

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117120.D
 Acq On : 17 Sep 2019 21:17
 Operator : HP/JU
 Sample : K4661-06MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

Quant Time: Sep 18 03:53:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62337	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	239818	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	124576	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	209740	20.00	ng	0.00
76) Chrysene-d12	13.97	240	141780	20.00	ng	0.00
87) Perylene-d12	15.42	264	120191	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	517692	129.66	ng	0.02
7) Phenol-d6	6.47	99	638634	123.76	ng	0.01
23) Nitrobenzene-d5	7.39	82	470347	103.05	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	167510	160.89	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	827554	103.87	ng	0.00
79) Terphenyl-d14	12.92	244	823043	108.51	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.71	88	68673	41.103	ng	# 85
3) Pyridine	3.45	79	92210	20.164	ng	97
4) n-Nitrosodimethylamine	3.36	42	70512	44.930	ng	97
6) Aniline	6.49	93	65587	9.872	ng	# 80
8) 2-Chlorophenol	6.62	128	210584	48.889	ng	98
9) Benzaldehyde	6.37	77	55186	15.661	ng	95
10) Phenol	6.48	94	230507	40.521	ng	93
11) bis(2-Chloroethyl)ether	6.56	93	202507	48.436	ng	98
12) 1,3-Dichlorobenzene	6.77	146	209135	43.268	ng	97
13) 1,4-Dichlorobenzene	6.84	146	215408	43.670	ng	98
14) 1,2-Dichlorobenzene	7.00	146	204365	44.500	ng	97
15) Benzyl Alcohol	6.97	79	193499	48.900	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	189571	45.894	ng	87
17) 2-Methylphenol	7.09	107	173347	48.018	ng	95
18) Hexachloroethane	7.33	117	83405	43.953	ng	99
19) n-Nitroso-di-n-propylamine	7.24	70	155054	49.347	ng	96
20) 3+4-Methylphenols	7.24	107	219945	48.913	ng	# 81
22) Acetophenone	7.23	105	317323	52.080	ng	98
24) Nitrobenzene	7.40	77	241527	53.585	ng	99
25) Isophorone	7.65	82	432483	53.516	ng	100
26) 2-Nitrophenol	7.72	139	108061	55.814	ng	97
27) 2,4-Dimethylphenol	7.76	122	184720	60.165	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	257442	51.705	ng	99
29) 2,4-Dichlorophenol	7.97	162	178331	55.433	ng	97
30) 1,2,4-Trichlorobenzene	8.05	180	170139	48.952	ng	96
31) Naphthalene	8.13	128	616177	53.424	ng	99
32) Benzoic acid	7.89	122	54258	26.783	ng	97
33) 4-Chloroaniline	8.18	127	21896	4.280	ng	97
34) Hexachlorobutadiene	8.24	225	98013	49.705	ng	99
35) Caprolactam	8.55	113	25067	23.021	ng	95
36) 4-Chloro-3-methylphenol	8.66	107	208043	55.461	ng	98
37) 2-Methylnaphthalene	8.82	142	420093	54.089	ng	99
38) 1-Methylnaphthalene	8.92	142	392401	53.944	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	164981	51.286	ng	98

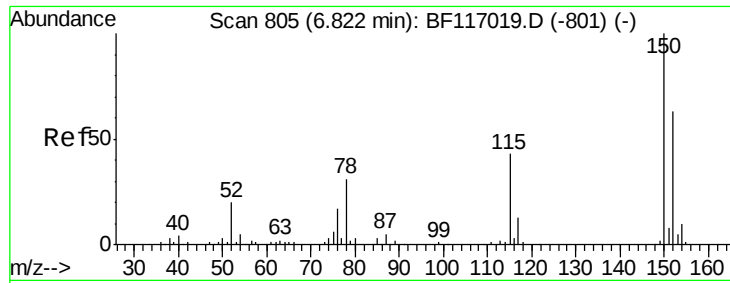
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	131566	91.297	ng	99
43) 2,4,6-Trichlorophenol	9.10	196	117167	53.671	ng	98
44) 2,4,5-Trichlorophenol	9.14	196	126506	54.238	ng	96
46) 1,1'-Biphenyl	9.27	154	509802	52.171	ng	99
47) 2-Chloronaphthalene	9.30	162	399760	51.836	ng	99
48) 2-Nitroaniline	9.40	65	130003	52.556	ng	94
49) Acenaphthylene	9.72	152	632887	54.781	ng	100
50) Dimethylphthalate	9.57	163	484475	54.925	ng	100
51) 2,6-Dinitrotoluene	9.64	165	103454	57.587	ng	93
52) Acenaphthene	9.89	154	362330	52.907	ng	99
53) 3-Nitroaniline	9.81	138	40366	17.809	ng	99
54) 2,4-Dinitrophenol	9.92	184	59181	76.718	ng	97
55) Dibenzofuran	10.06	168	549429	54.375	ng	96
56) 4-Nitrophenol	9.99	139	138324	94.161	ng	93
57) 2,4-Dinitrotoluene	10.05	165	141701	60.766	ng	96
58) Fluorene	10.40	166	454911	55.890	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.18	232	99717	55.868	ng	99
60) Diethylphthalate	10.27	149	477094	54.978	ng	97
61) 4-Chlorophenyl-phenylether	10.39	204	191482	54.373	ng	97
62) 4-Nitroaniline	10.43	138	115287	48.909	ng	100
63) Azobenzene	10.55	77	485331	54.759	ng	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	49249	51.025	ng	88
66) n-Nitrosodiphenylamine	10.51	169	392710	54.215	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	114462	53.438	ng	96
68) Hexachlorobenzene	10.95	284	121145	51.710	ng	# 92
69) Atrazine	11.03	200	94064	55.615	ng	98
70) Pentachlorophenol	11.15	266	122723	111.752	ng	97
71) Phenanthrene	11.36	178	643480	54.014	ng	99
72) Anthracene	11.41	178	670869	55.159	ng	98
73) Carbazole	11.57	167	629151	54.497	ng	99
74) Di-n-butylphthalate	11.89	149	760264	55.350	ng	99
75) Fluoranthene	12.54	202	652754	53.326	ng	99
77) Benzidine	12.92	184	11965	2.620	ng	95
78) Pyrene	12.77	202	651935	54.801	ng	99
80) Butylbenzylphthalate	13.38	149	317698	56.517	ng	98
81) Benzo(a)anthracene	13.96	228	497479	52.518	ng	100
82) 3,3'-Dichlorobenzidine	13.92	252	73926	24.218	ng	98
83) Chrysene	14.00	228	483324	52.315	ng	99
84) Bis(2-ethylhexyl)phthalate	13.94	149	428748	59.156	ng	99
85) Di-n-octyl phthalate	14.55	149	689527	60.445	ng	99
86) Indeno(1,2,3-cd)pyrene	16.86	276	400846	59.471	ng	98
88) Benzo(b)fluoranthene	15.00	252	379487	52.124	ng	99
89) Benzo(k)fluoranthene	15.03	252	405235	58.759	ng	99
90) Benzo(a)pyrene	15.36	252	371012	58.073	ng	98
91) Dibenzo(a,h)anthracene	16.87	278	334699	65.764	ng	98
92) Benzo(g,h,i)perylene	17.29	276	330756	65.218	ng	96

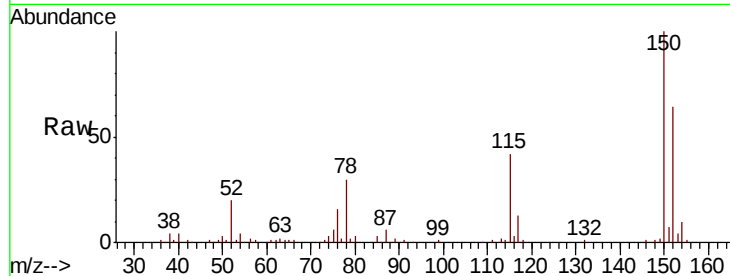
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Instrument :
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 ClientSampleId :
 HD-02-091319MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.5	191.3
115	65.9	55.0	82.4

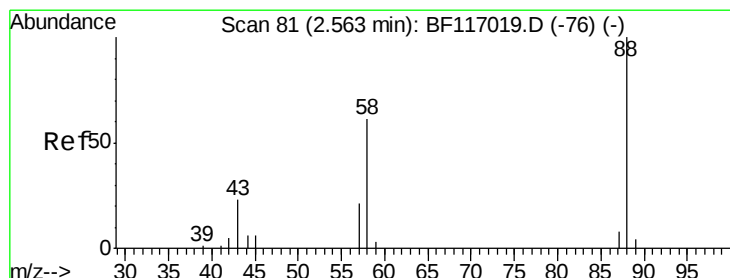
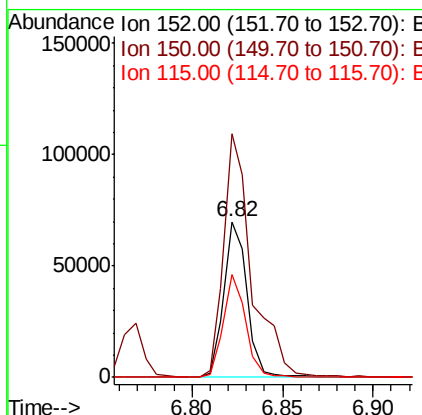
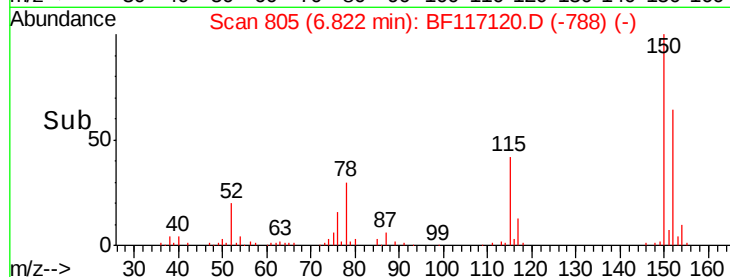


Abundance

Ion 152.00 (151.70 to 152.70): E

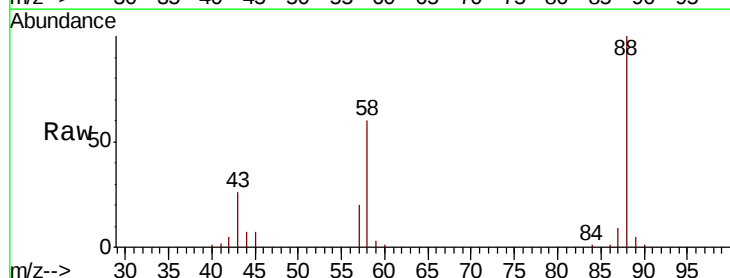
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 41.103 ng
 RT: 2.71 min Scan# 106
 Delta R.T. 0.15 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.2	49.3	73.9
43	0.0	18.8	28.2

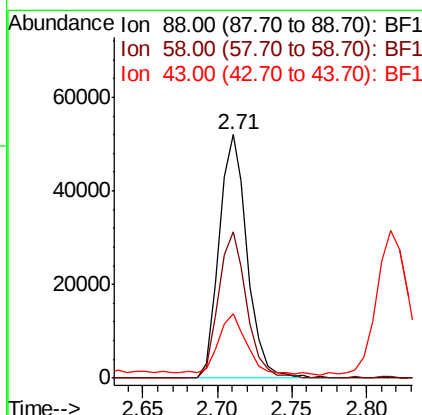
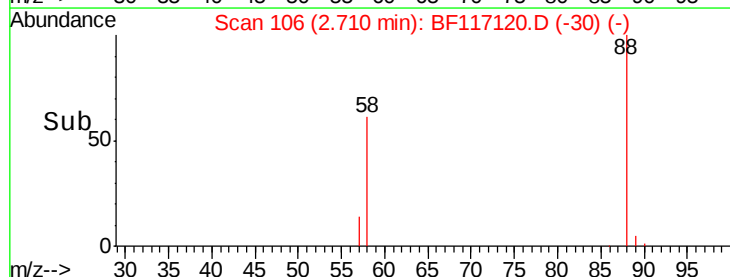


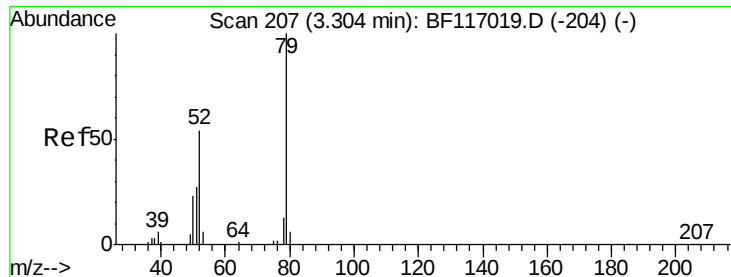
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 20.164 ng

RT: 3.45 min Scan# 231

Delta R.T. 0.14 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

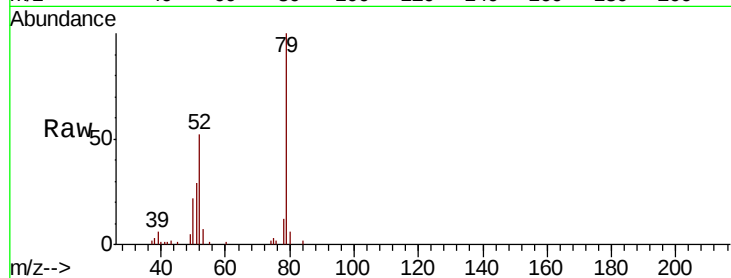
Tot Ion: 79 Resp: 92210

Ion Ratio Lower Upper

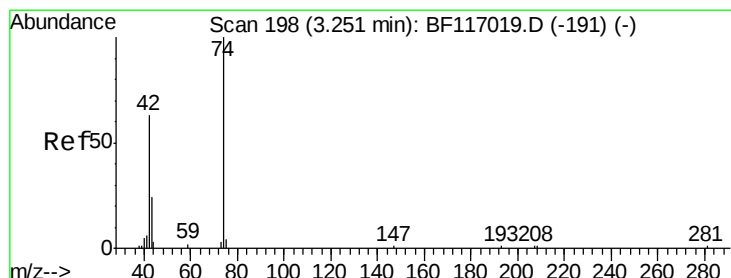
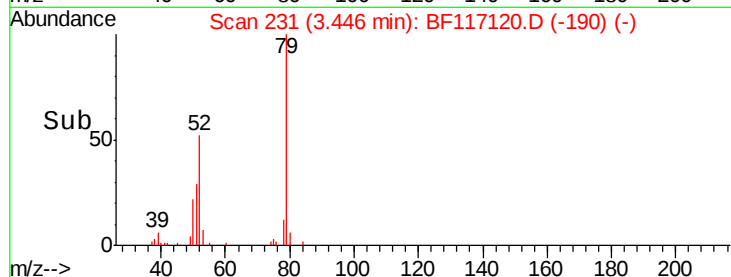
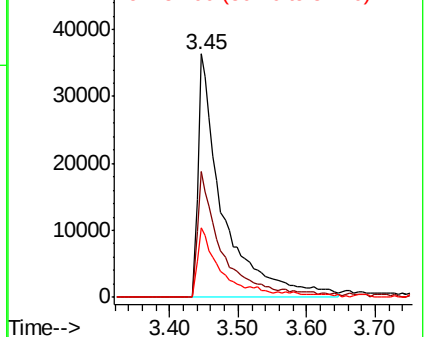
79 100

52 51.8 43.5 65.3

51 28.6 21.8 32.6



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 44.930 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.11 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

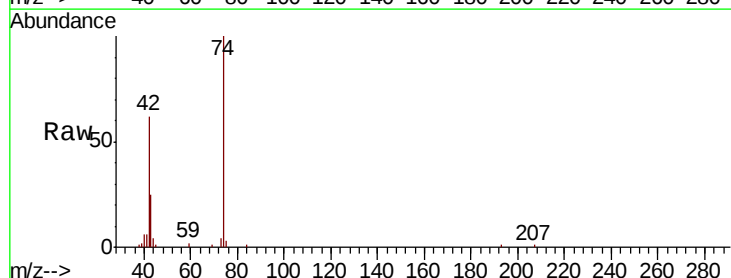
Tgt Ion: 42 Resp: 70512

Ion Ratio Lower Upper

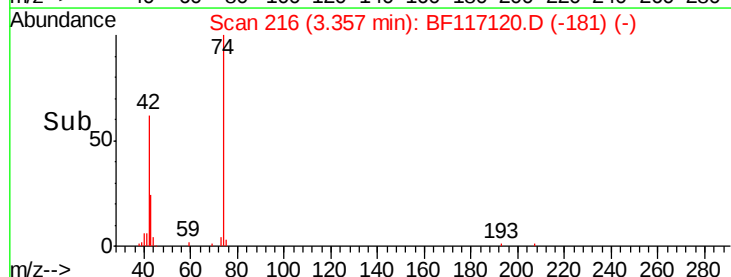
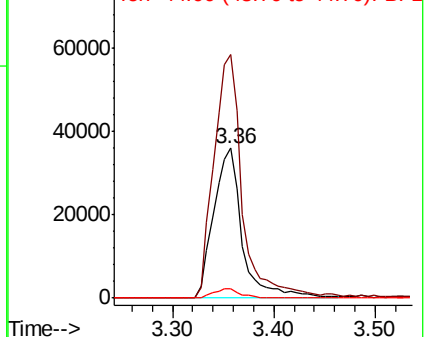
42 100

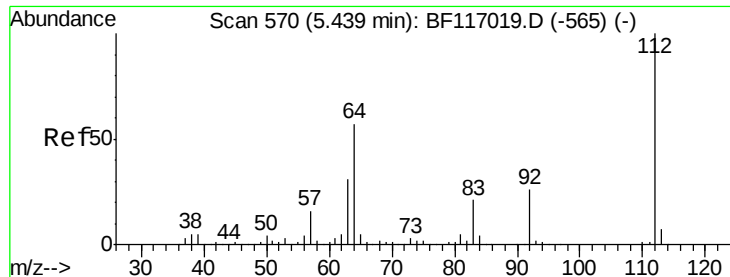
74 162.5 127.1 190.7

44 5.9 4.3 6.5



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 129.657 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.02 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

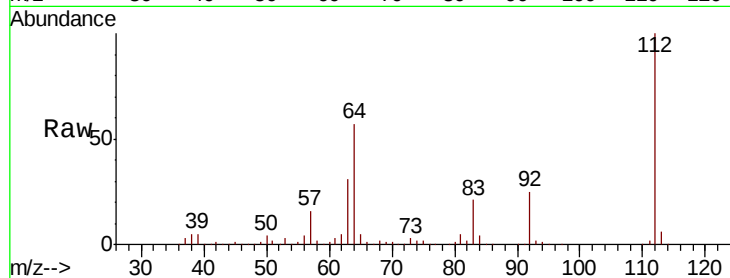
Tot Ion: 112 Resp: 517692

Ion Ratio Lower Upper

112 100

64 57.2 45.7 68.5

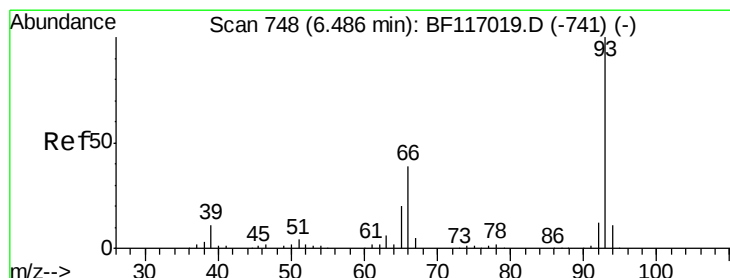
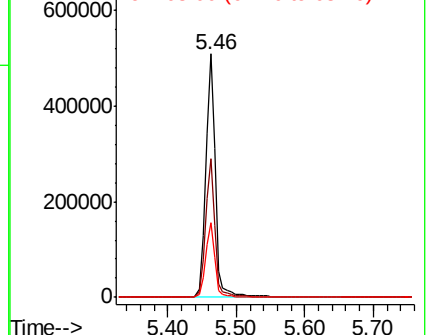
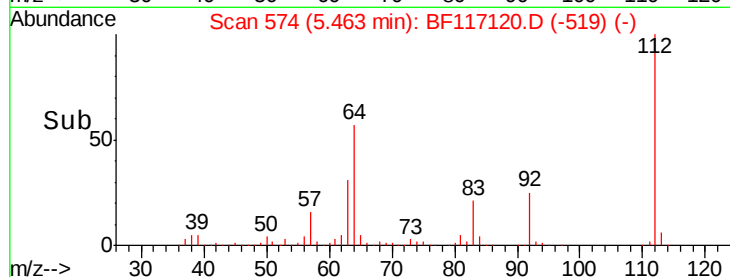
63 30.6 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 9.872 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

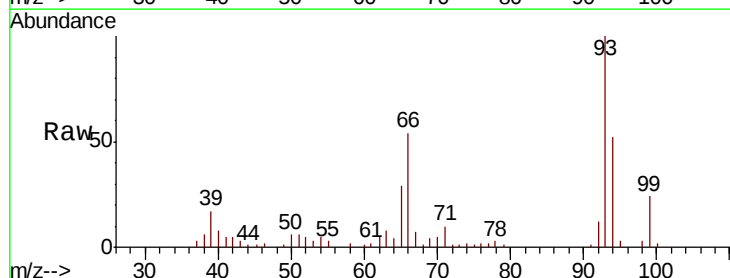
Tgt Ion: 93 Resp: 65587

Ion Ratio Lower Upper

93 100

66 53.9 32.6 49.0#

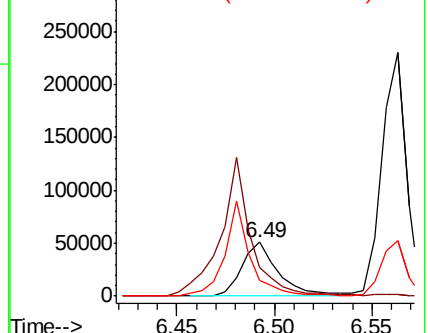
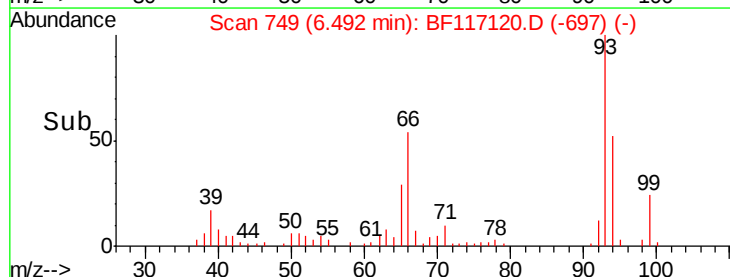
65 28.9 16.7 25.1#

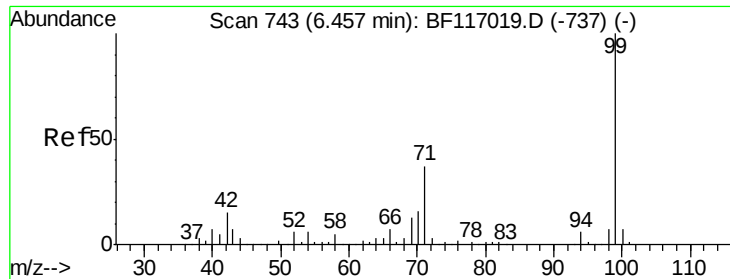


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 123.764 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

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ClientSampleId :

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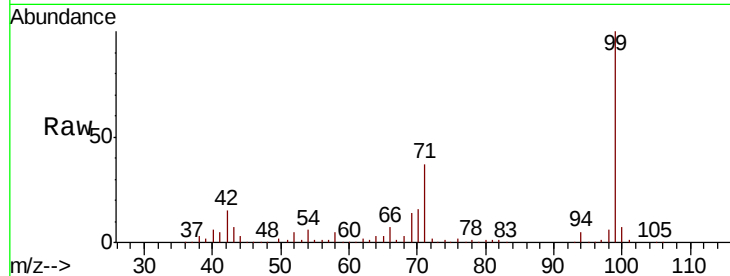
Tot Ion: 99 Resp: 638634

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

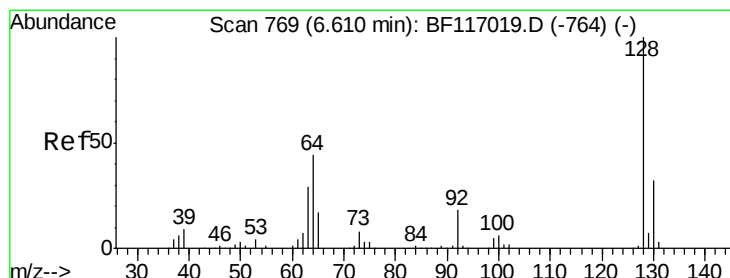
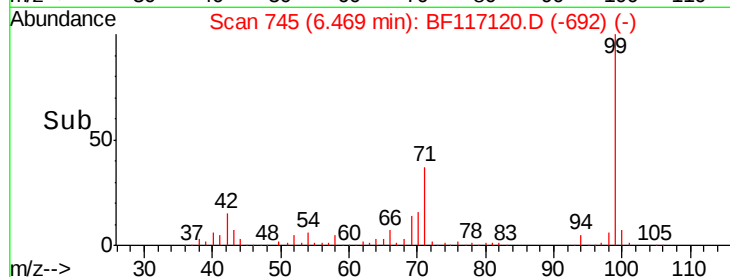
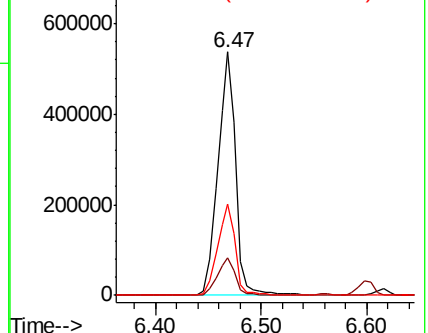
71 37.3 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 48.889 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

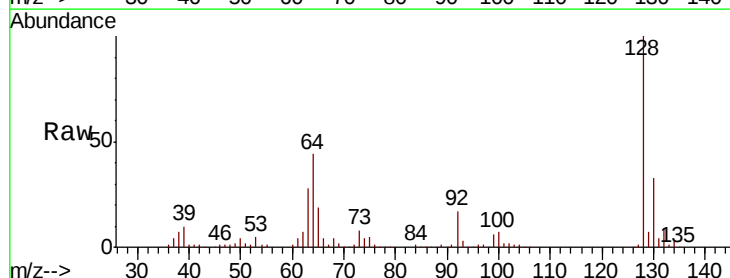
Tgt Ion:128 Resp: 210584

Ion Ratio Lower Upper

128 100

130 33.5 11.8 51.8

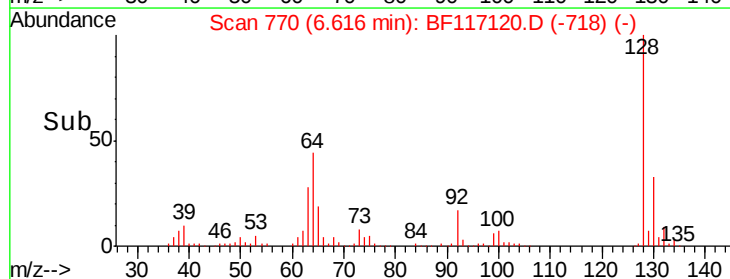
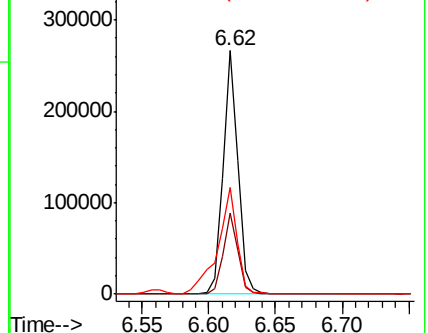
64 43.7 25.0 65.0

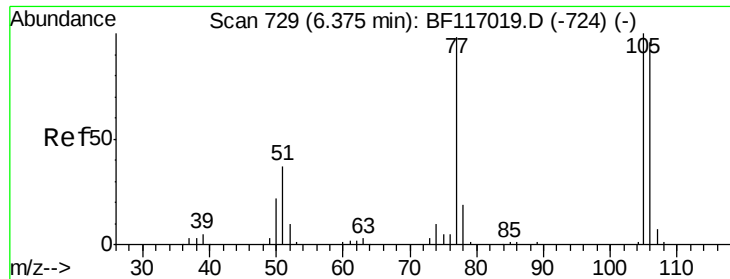


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

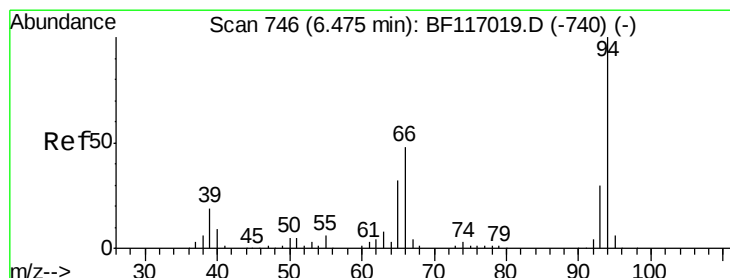
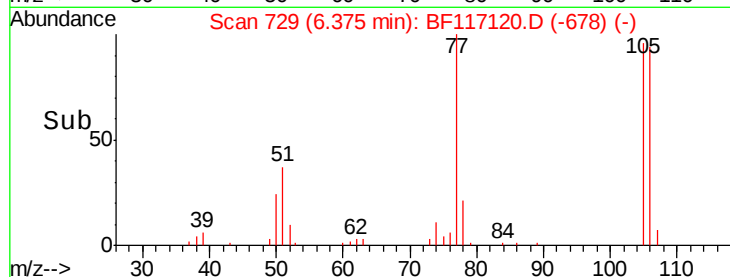
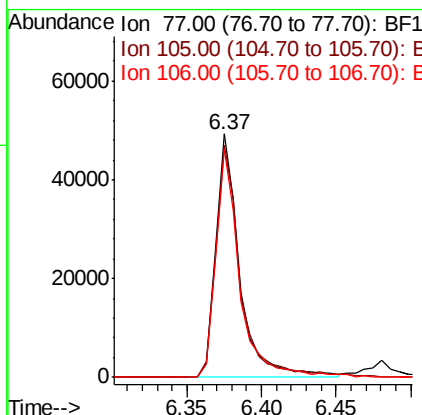
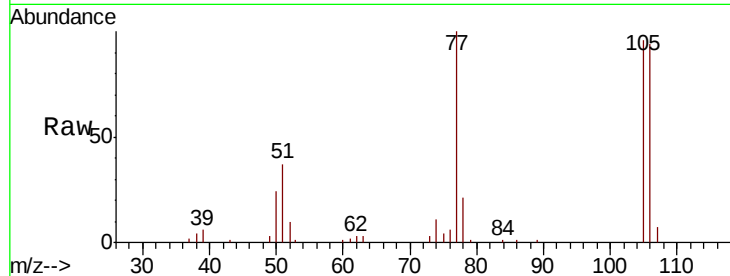




#9
Benzaldehyde
Concen: 15.661 ng
RT: 6.37 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

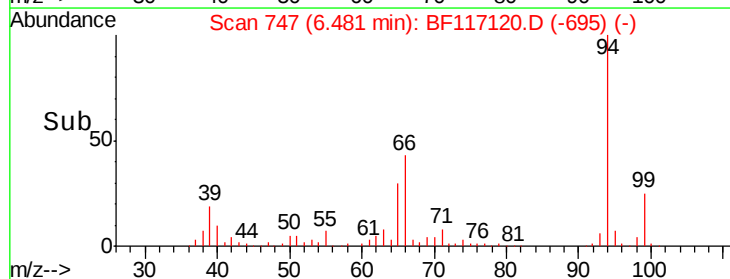
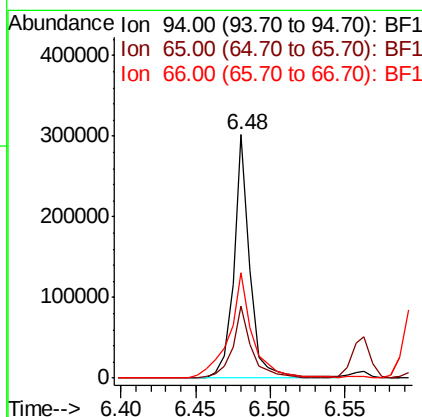
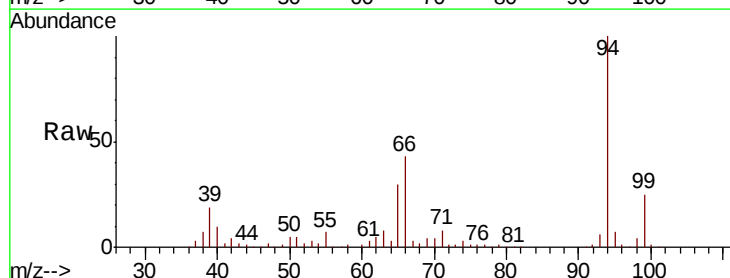
Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

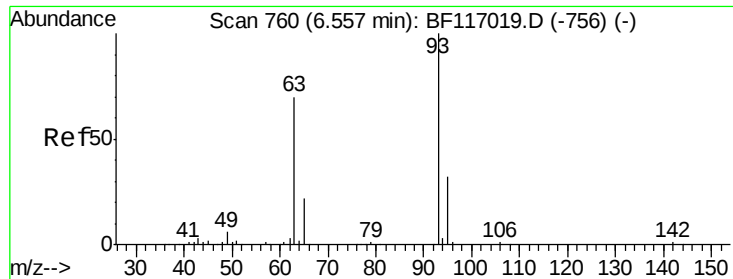
Tot Ion: 77 Resp: 55186
Ion Ratio Lower Upper
77 100
105 95.6 81.8 121.8
106 93.8 77.3 117.3



#10
Phenol
Concen: 40.521 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion: 94 Resp: 230507
Ion Ratio Lower Upper
94 100
65 29.6 12.5 52.5
66 43.3 28.9 68.9





#11

bis(2-Chloroethyl)ether

Concen: 48.436 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

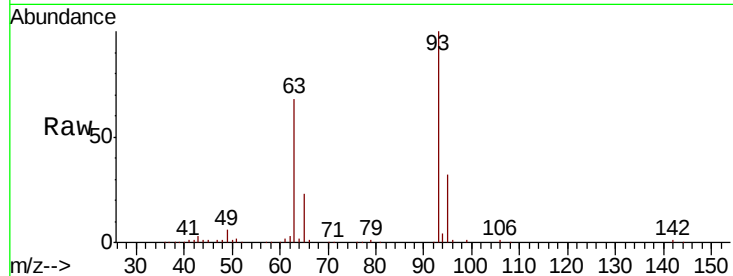
Tot Ion: 93 Resp: 202507

Ion Ratio Lower Upper

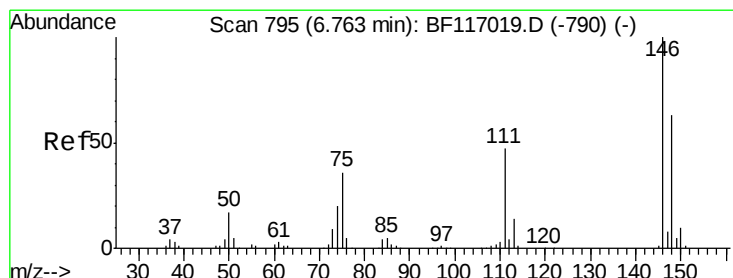
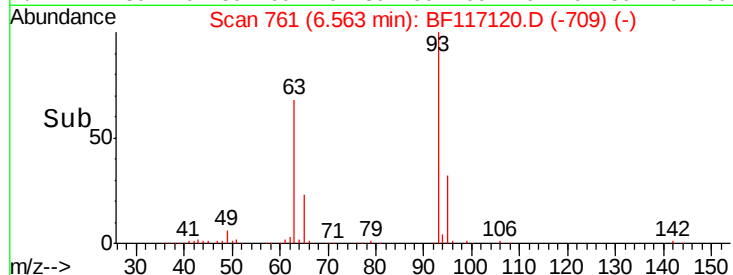
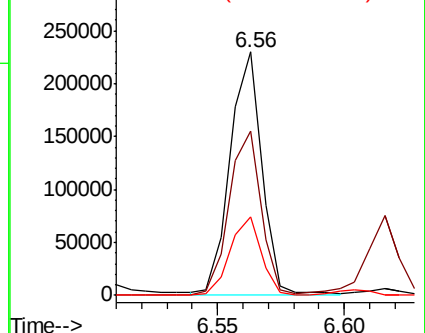
93 100

63 67.6 49.3 89.3

95 32.2 11.5 51.5



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 43.268 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

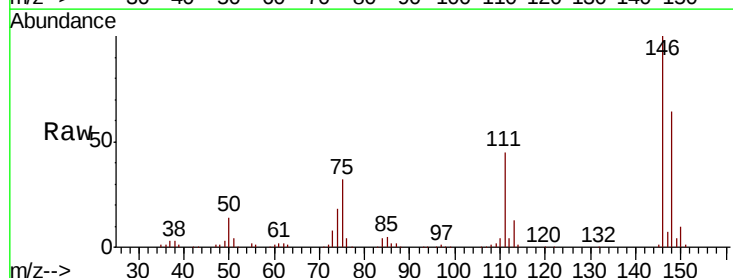
Tgt Ion: 146 Resp: 209135

Ion Ratio Lower Upper

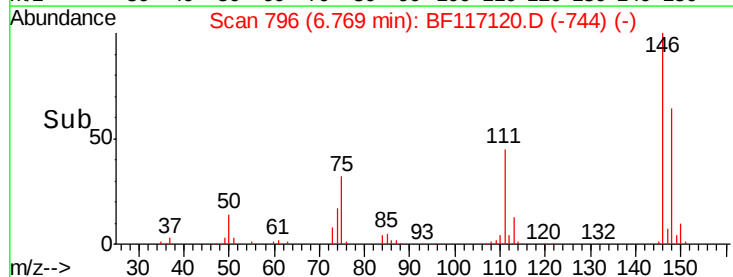
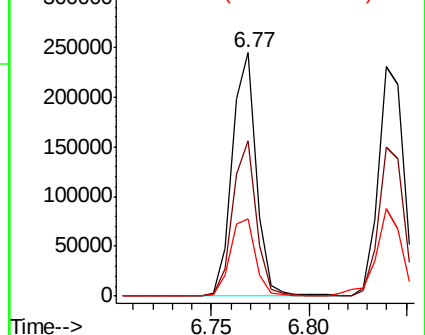
146 100

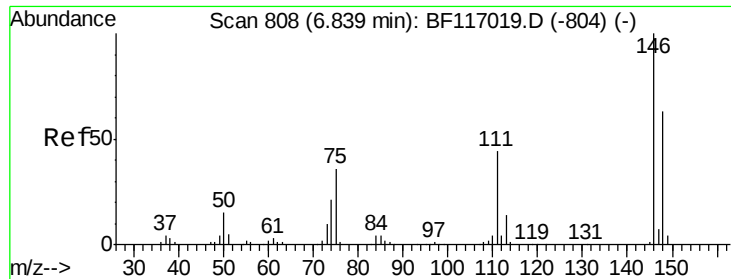
148 63.6 50.8 76.2

75 31.8 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

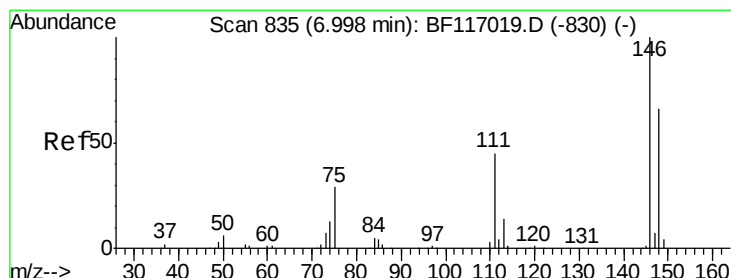
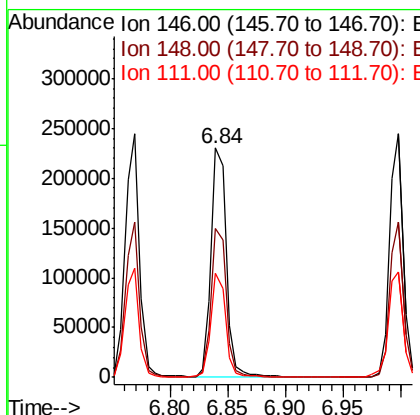
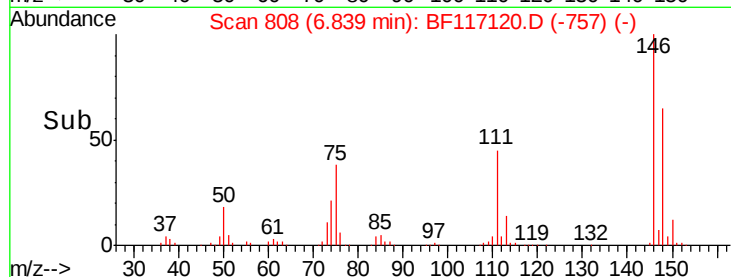
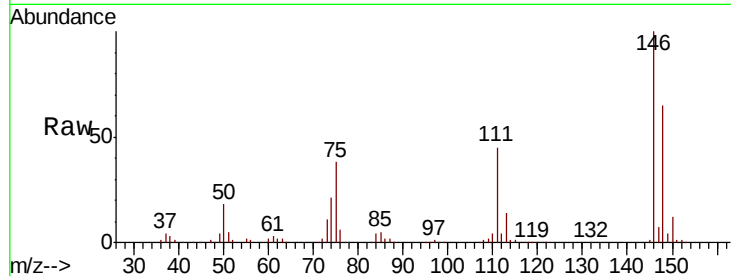




#13
 1,4-Dichlorobenzene
 Concen: 43.670 ng
 RT: 6.84 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

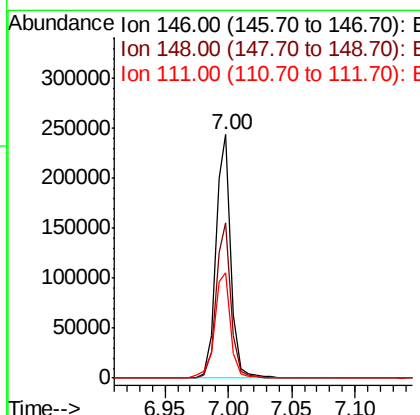
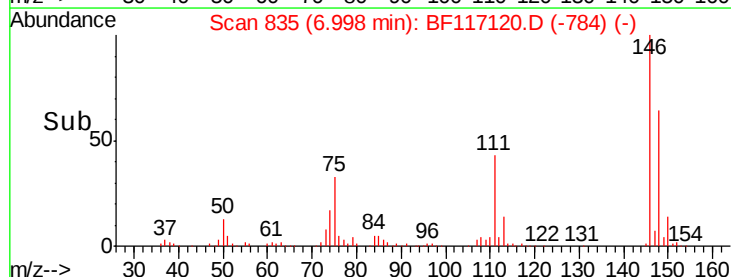
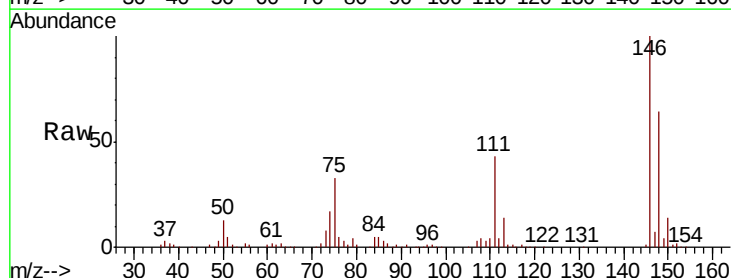
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

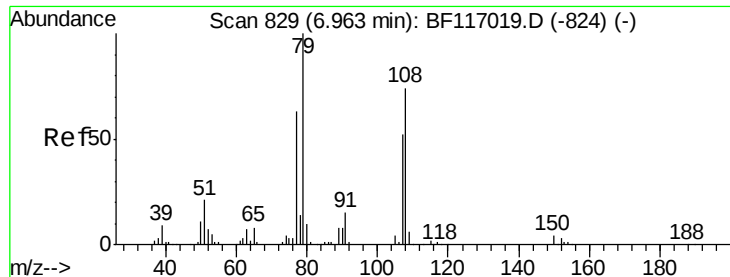
Tot Ion:146 Resp: 215408
 Ion Ratio Lower Upper
 146 100
 148 65.1 50.6 76.0
 111 45.4 35.0 52.6



#14
 1,2-Dichlorobenzene
 Concen: 44.500 ng
 RT: 7.00 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion:146 Resp: 204365
 Ion Ratio Lower Upper
 146 100
 148 63.8 52.6 78.8
 111 43.2 36.2 54.2





#15

Benzyl Alcohol

Concen: 48.900 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

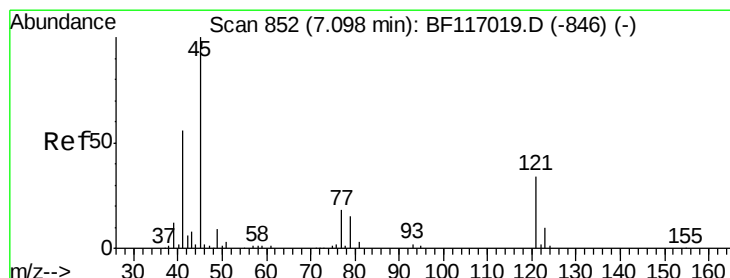
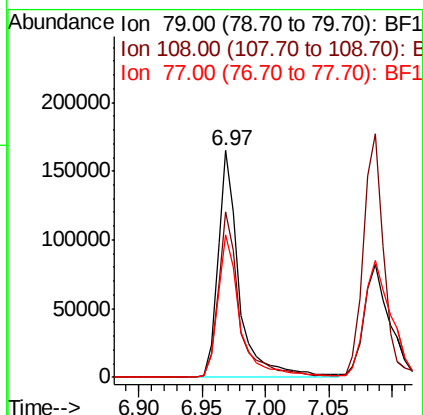
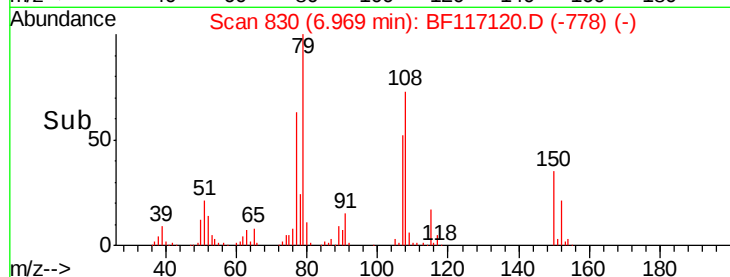
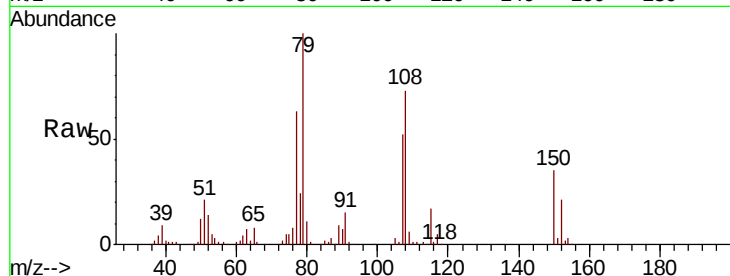
Tot Ion: 79 Resp: 193499

Ion Ratio Lower Upper

79 100

108 73.0 59.4 89.0

77 62.9 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.894 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

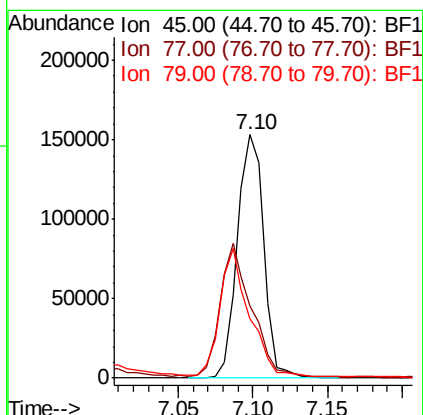
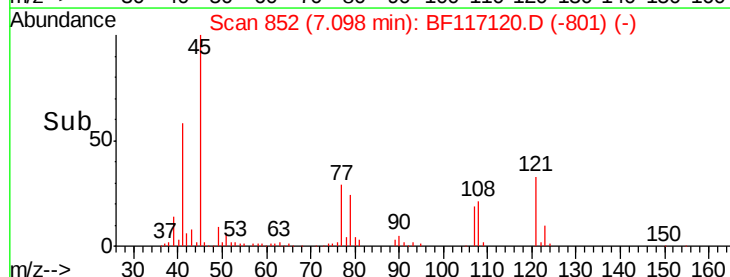
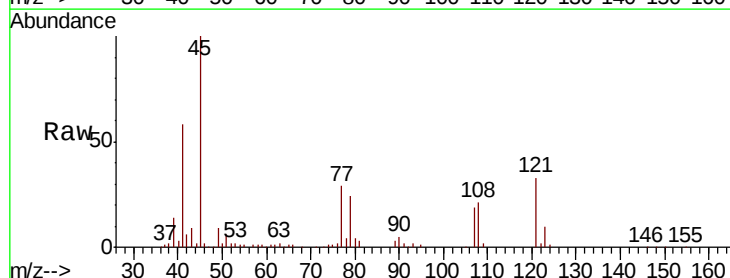
Tgt Ion: 45 Resp: 189571

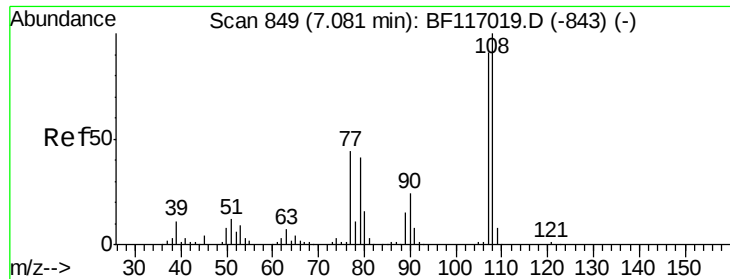
Ion Ratio Lower Upper

45 100

77 29.5 2.7 42.7

79 24.4 0.0 38.9

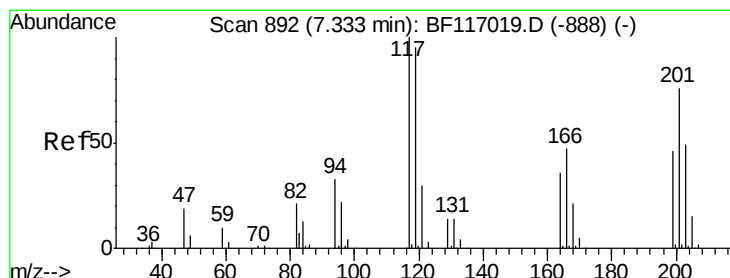
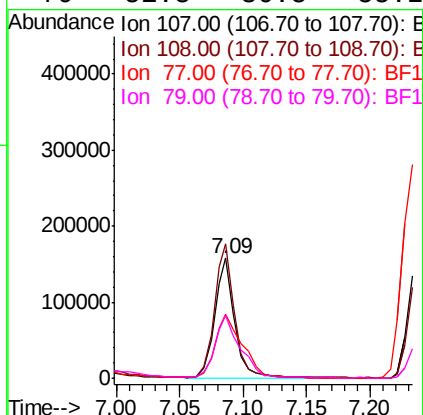
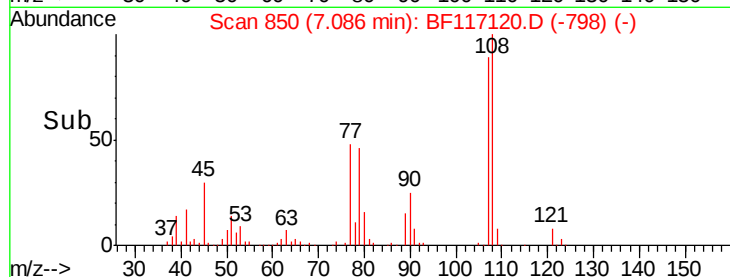
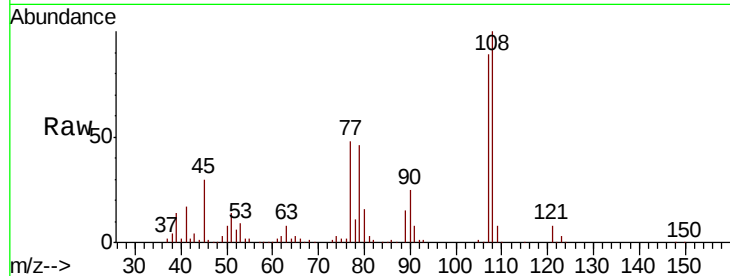




#17
2-Methylphenol
Concen: 48.018 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

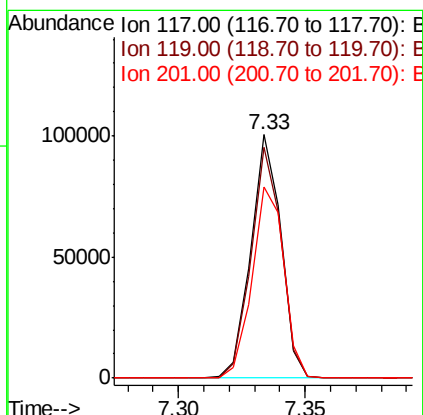
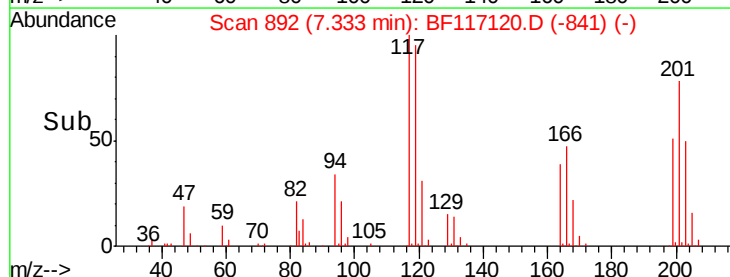
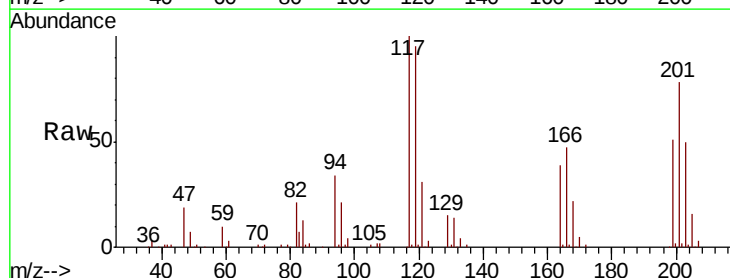
Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

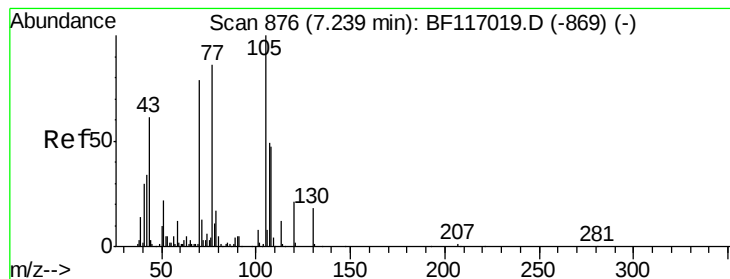
Tot Ion	Ratio	Lower	Upper
107	100		
108	112.1	87.7	131.5
77	53.7	38.6	58.0
79	51.8	36.8	55.2



#18
Hexachloroethane
Concen: 43.953 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.8	113.8
201	78.5	60.9	91.3





#19

n-Nitroso-di-n-propylamine

Concen: 49.347 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion: 70 Resp: 155054

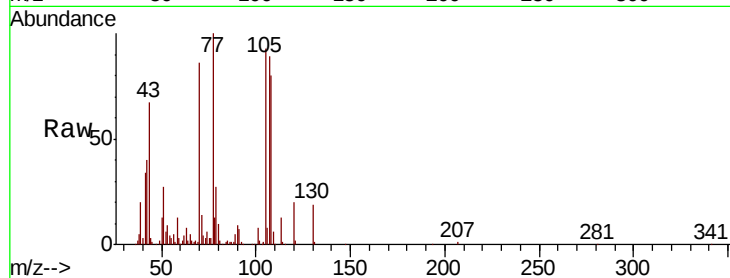
Ion Ratio Lower Upper

70 100

42 46.3 34.0 51.0

101 9.7 7.8 11.6

130 21.5 17.8 26.8



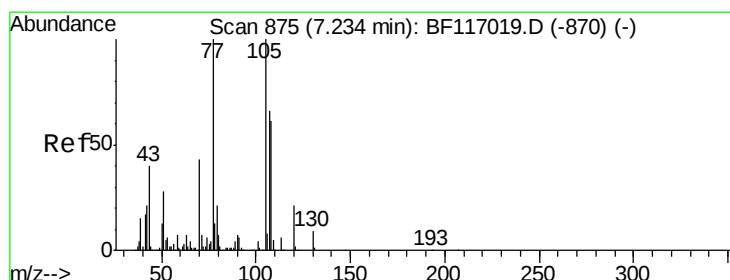
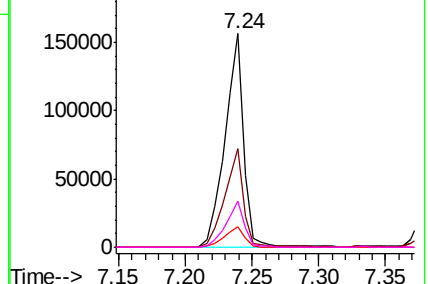
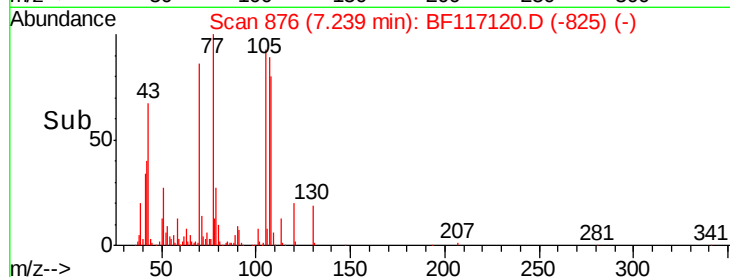
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

3+4-Methylphenols

Concen: 48.913 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Tgt Ion: 107 Resp: 219945

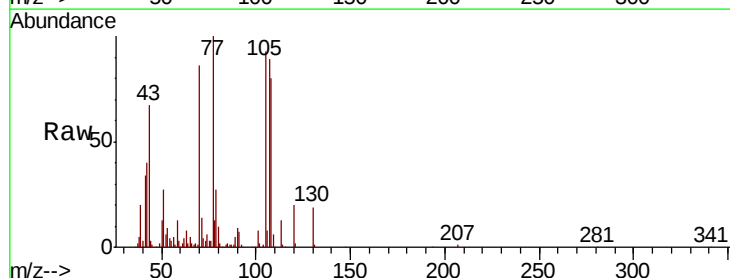
Ion Ratio Lower Upper

107 100

108 89.5 72.6 112.6

77 111.8 132.1 172.1#

79 30.5 12.1 52.1



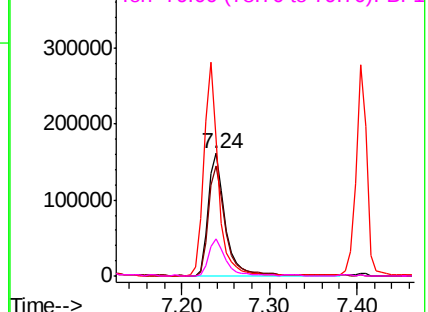
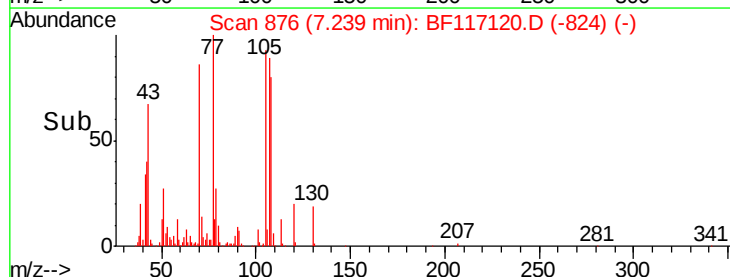
Abundance

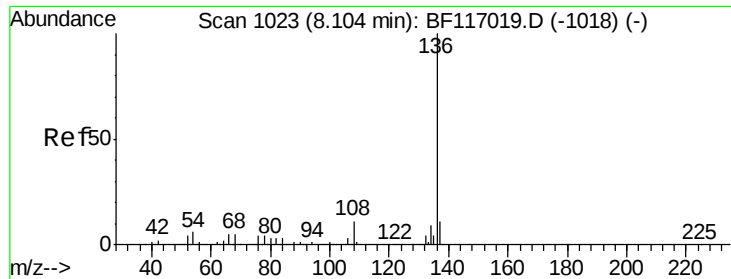
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion:136 Resp: 239818

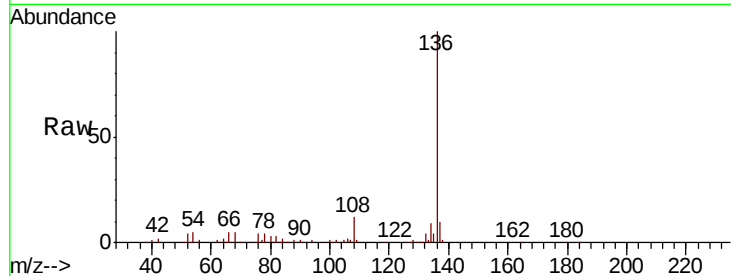
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.1 4.5 6.7

68 4.5 4.0 6.0

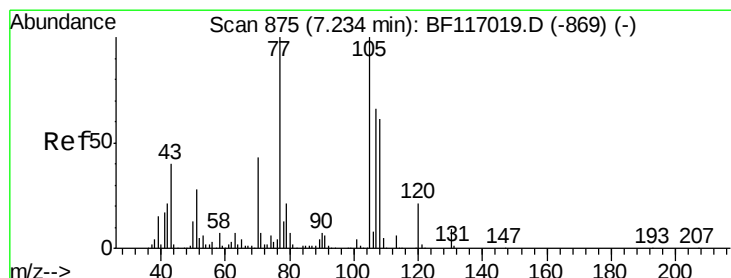
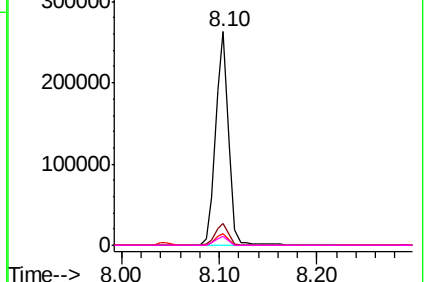
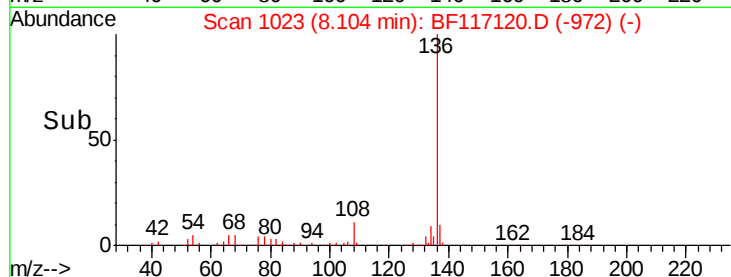


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 52.080 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Tgt Ion:105 Resp: 317323

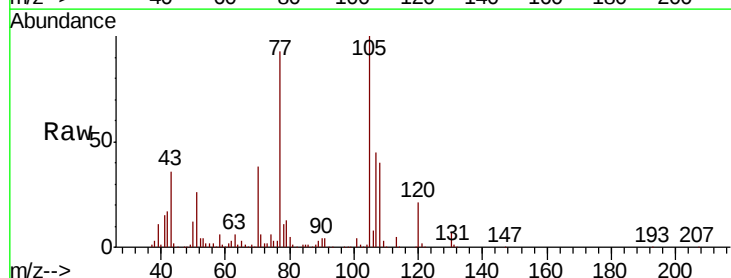
Ion Ratio Lower Upper

105 100

71 6.3 5.7 8.5

51 25.7 22.1 33.1

120 20.9 17.1 25.7

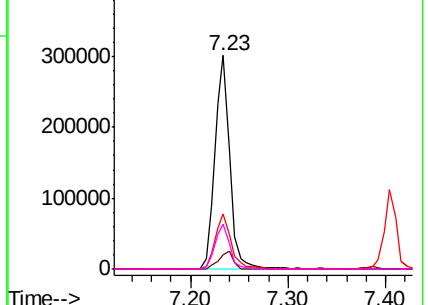
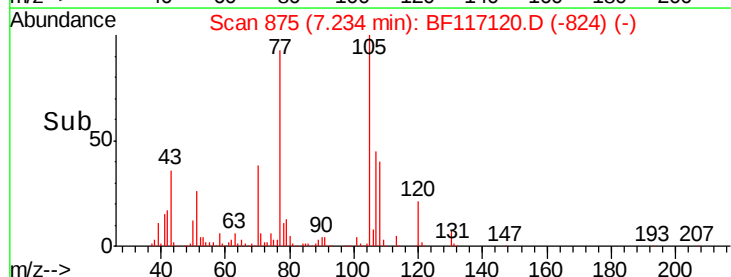


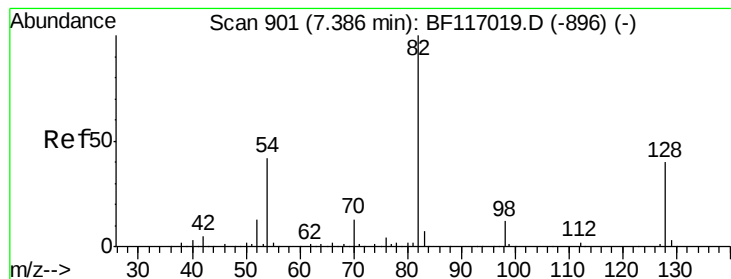
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 103.050 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

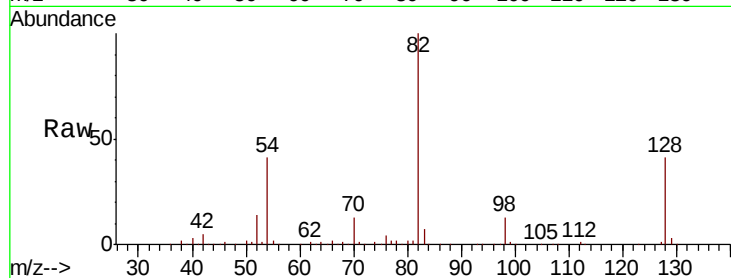
Tot Ion: 82 Resp: 470347

Ion Ratio Lower Upper

82 100

128 40.9 32.3 48.5

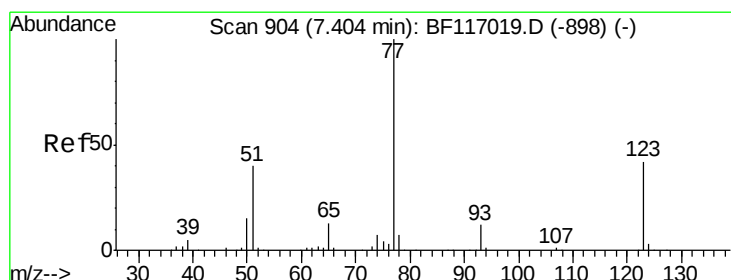
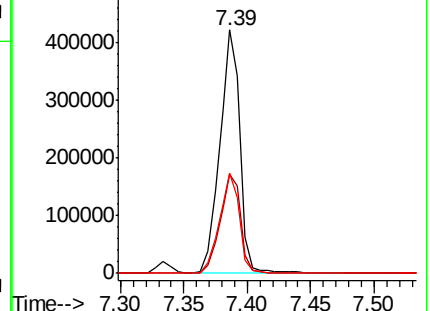
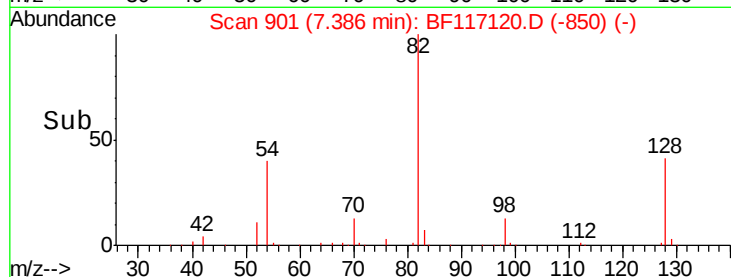
54 41.3 33.3 49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 53.585 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

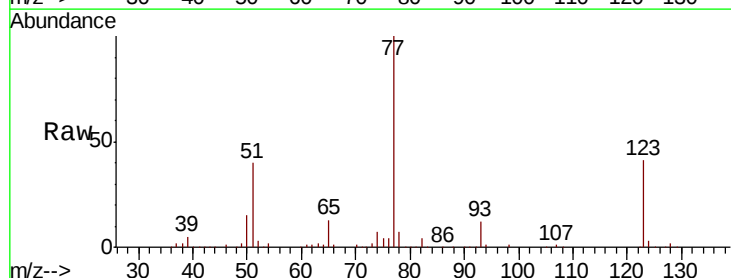
Tgt Ion: 77 Resp: 241527

Ion Ratio Lower Upper

77 100

123 41.3 33.5 50.3

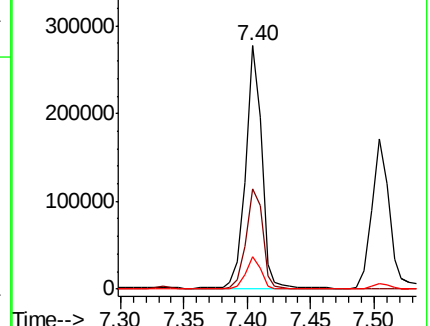
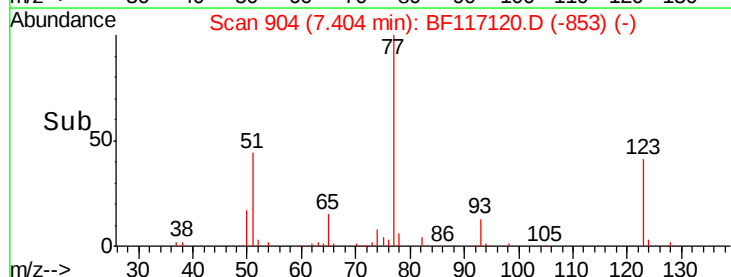
65 13.2 10.5 15.7

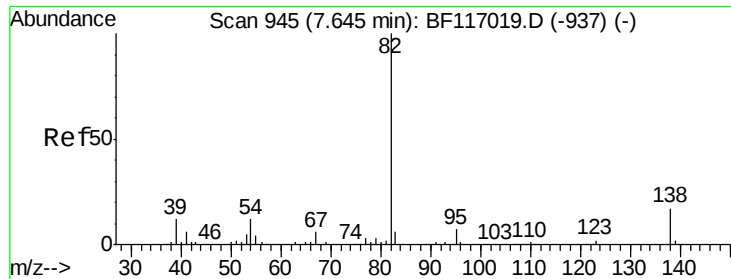


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 53.516 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

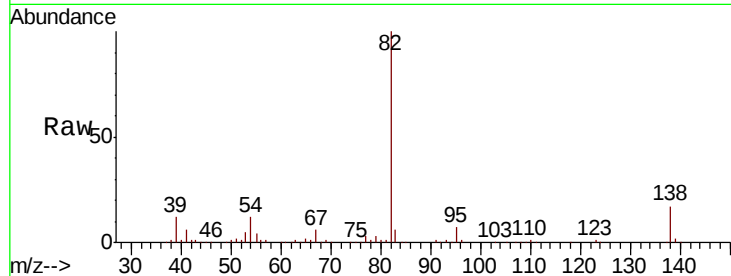
Tot Ion: 82 Resp: 432483

Ion Ratio Lower Upper

82 100

95 7.4 5.8 8.6

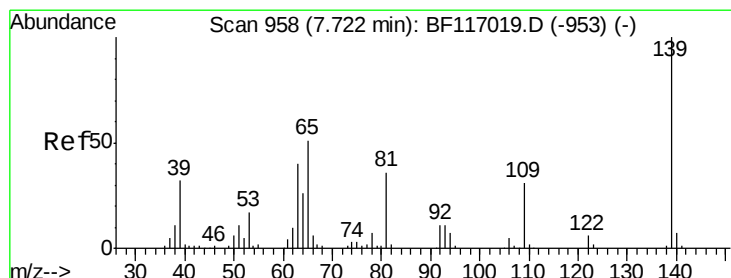
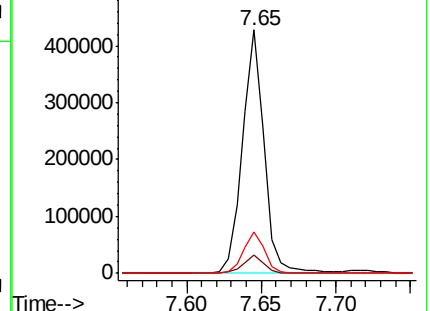
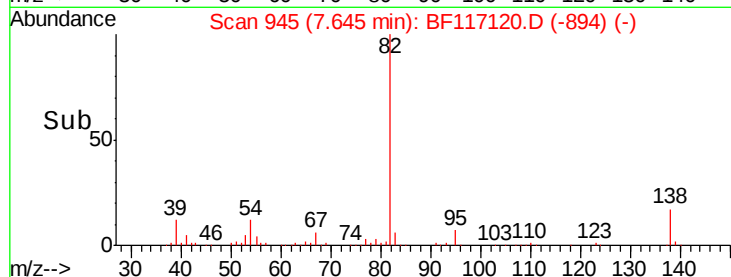
138 17.1 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 55.814 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

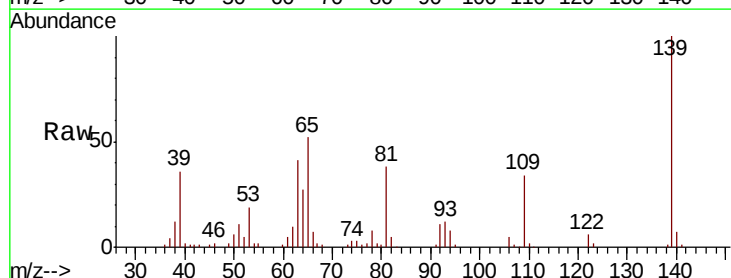
Tgt Ion: 139 Resp: 108061

Ion Ratio Lower Upper

139 100

109 34.0 24.6 36.8

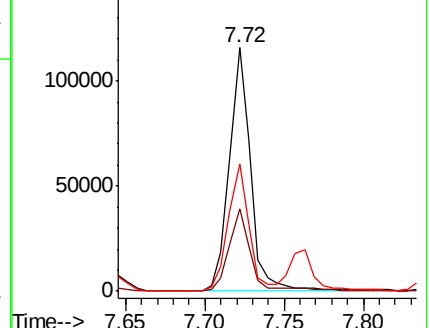
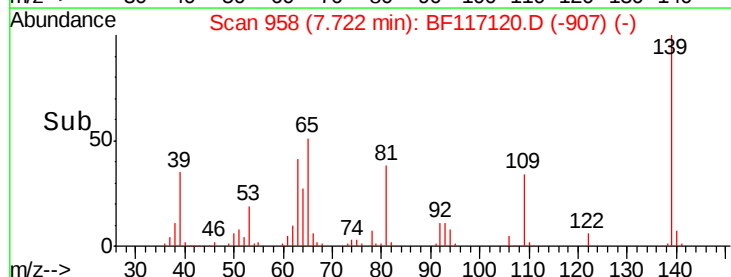
65 52.4 40.9 61.3

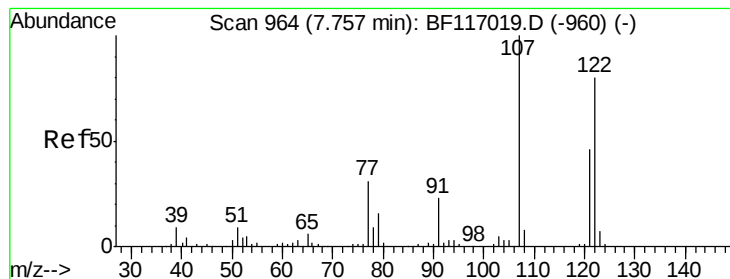


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 60.165 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

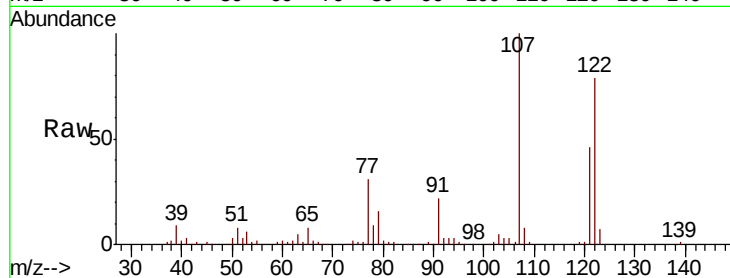
Tot Ion:122 Resp: 184720

Ion Ratio Lower Upper

122 100

107 126.1 98.9 148.3

121 57.7 45.3 67.9

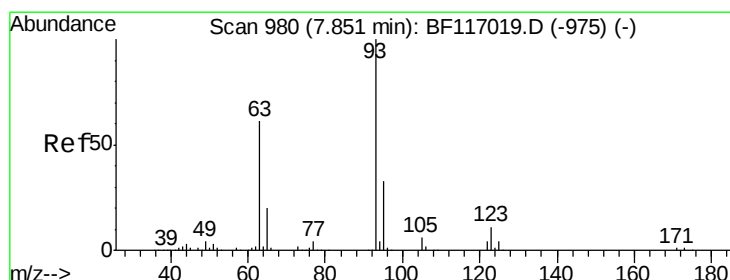
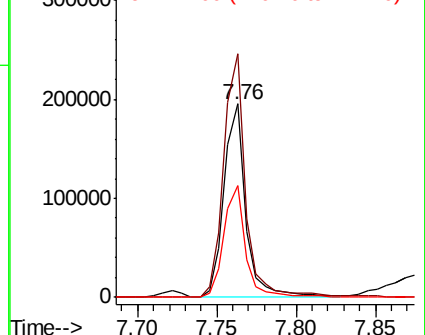
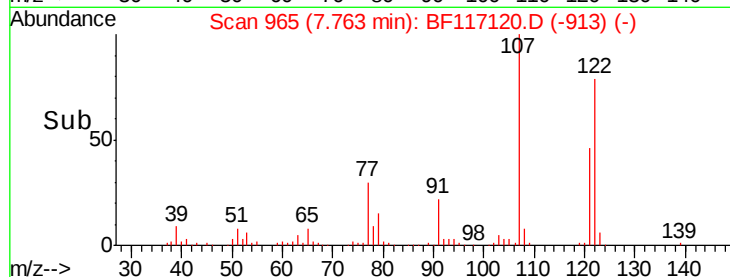


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 51.705 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

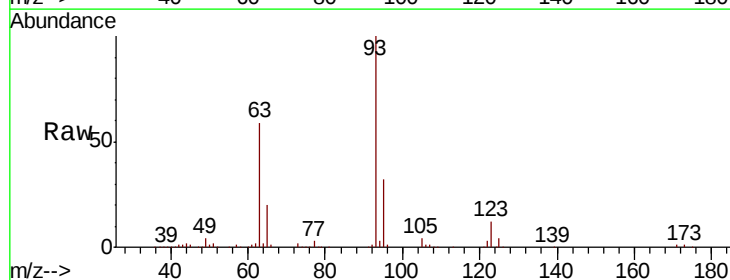
Tgt Ion: 93 Resp: 257442

Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 12.0 9.0 13.6

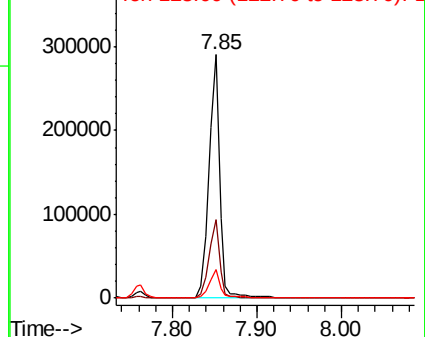
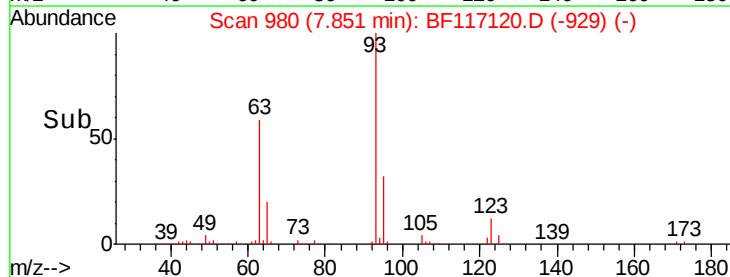


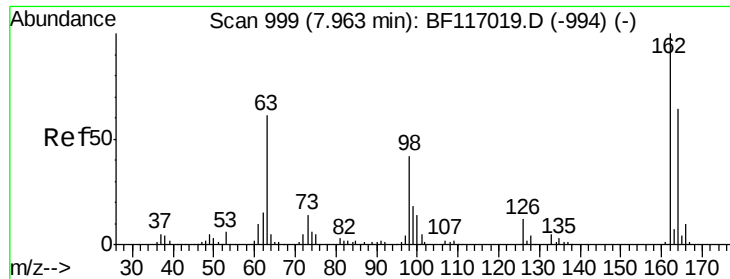
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

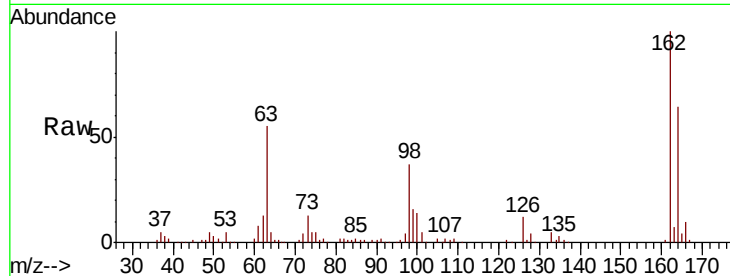




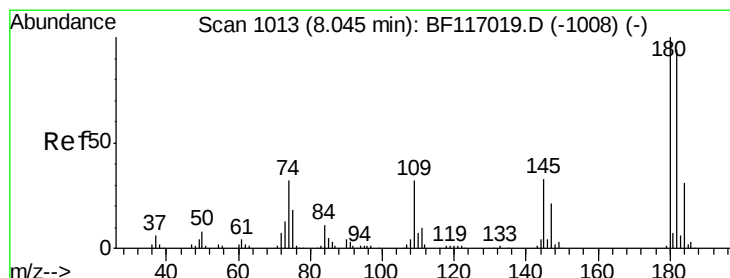
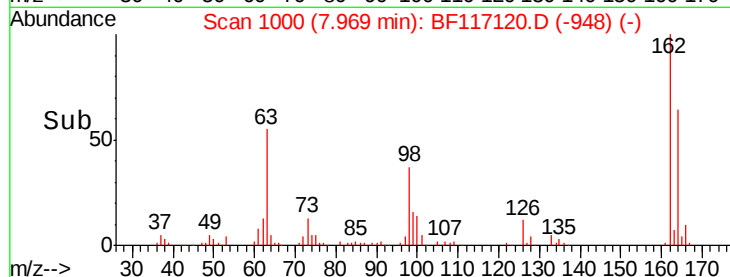
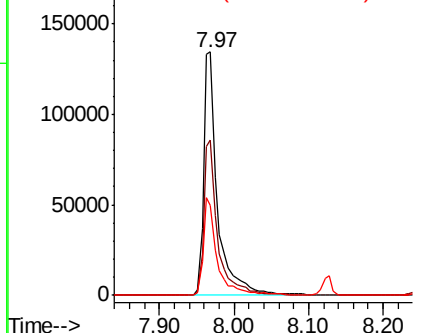
#29
 2,4-Dichlorophenol
 Concen: 55.433 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

Tot Ion:162 Resp: 178331
 Ion Ratio Lower Upper
 162 100
 164 64.0 43.8 83.8
 98 36.9 22.1 62.1

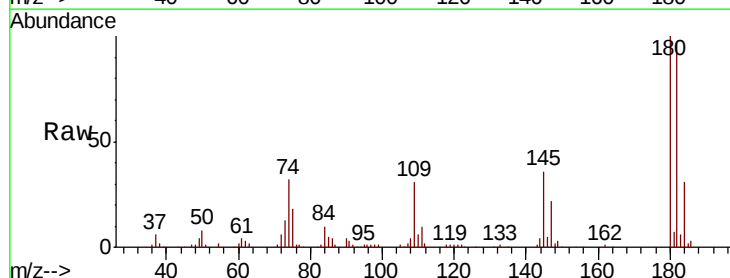


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

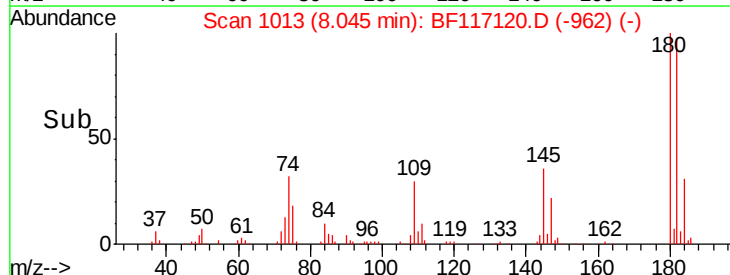
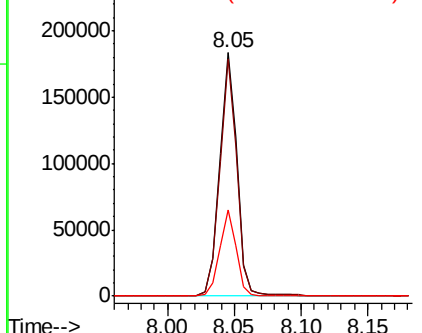


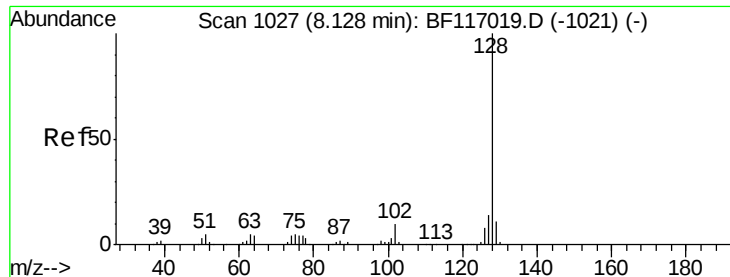
#30
 1,2,4-Trichlorobenzene
 Concen: 48.952 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion:180 Resp: 170139
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.4 113.0
 145 35.6 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

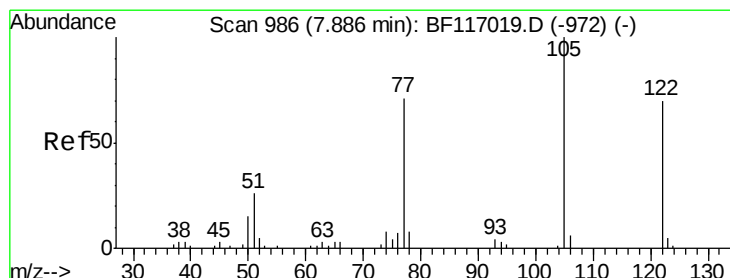
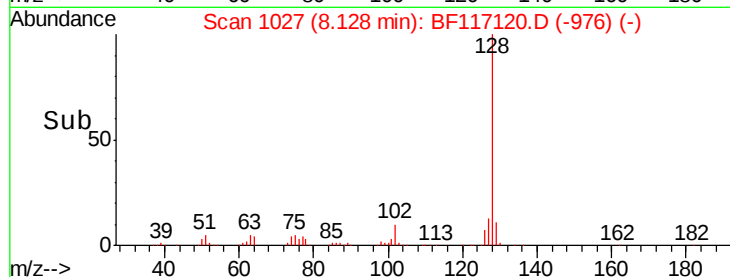
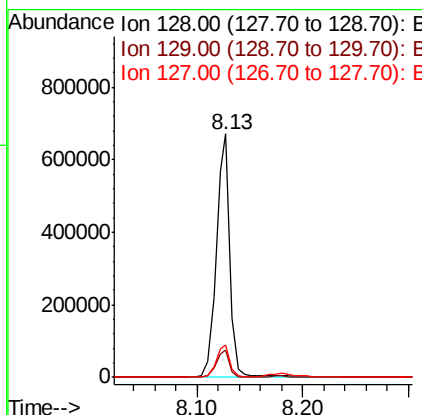
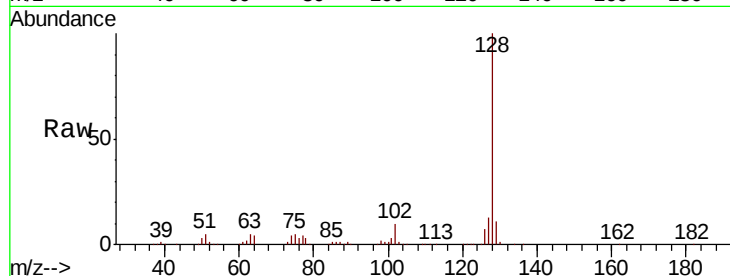




#31
Naphthalene
Concen: 53.424 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

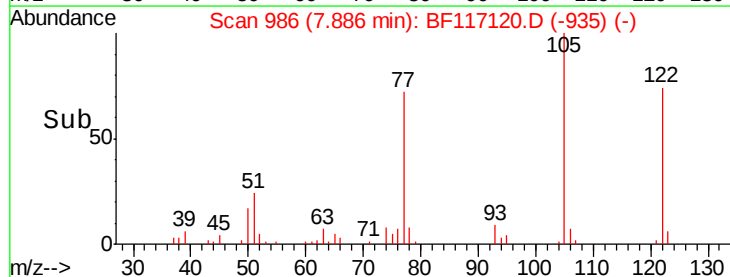
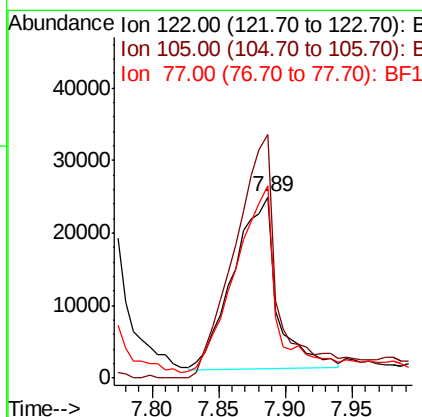
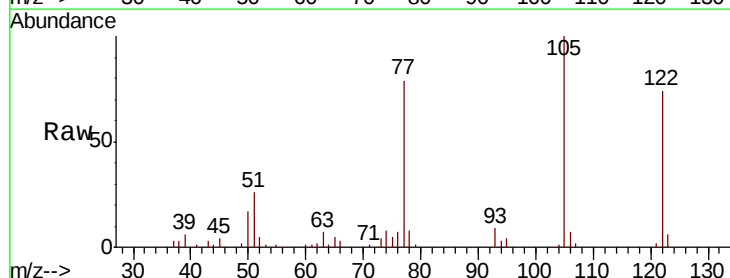
Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

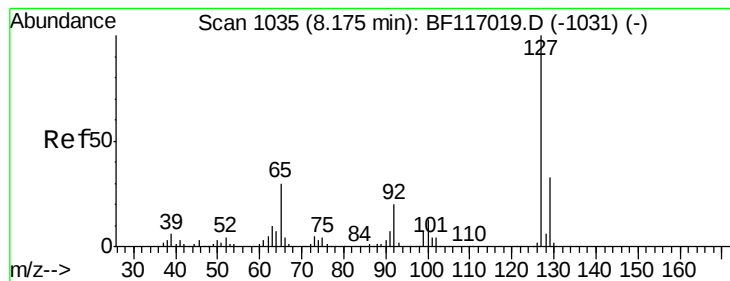
Tot Ion:128 Resp: 616177
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 26.783 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion:122 Resp: 54258
Ion Ratio Lower Upper
122 100
105 134.3 114.8 154.8
77 105.9 78.7 118.7





#33

4-Chloroaniline

Concen: 4.280 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion:127 Resp: 21896

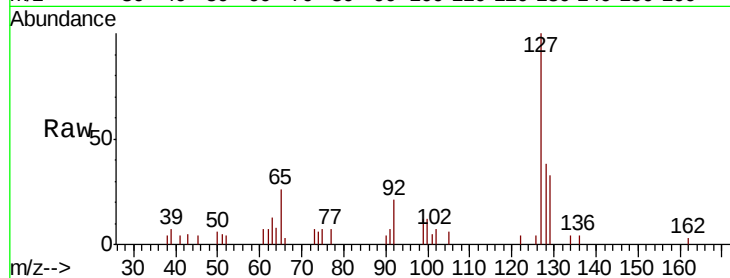
Ion Ratio Lower Upper

127 100

129 32.9 26.2 39.2

65 25.8 23.5 35.3

92 20.8 15.9 23.9

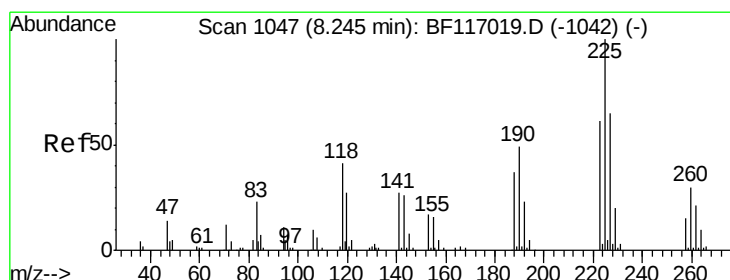
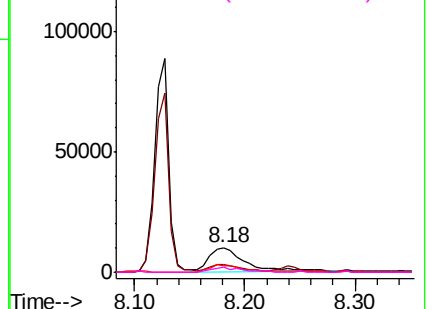
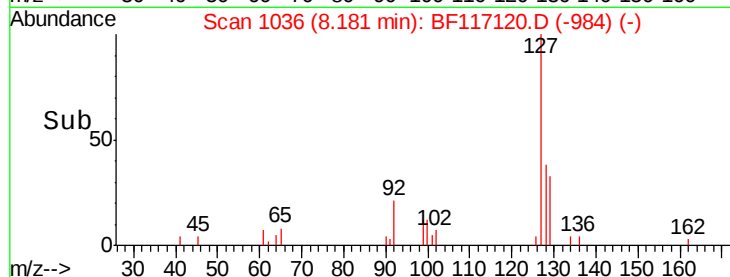


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 49.705 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

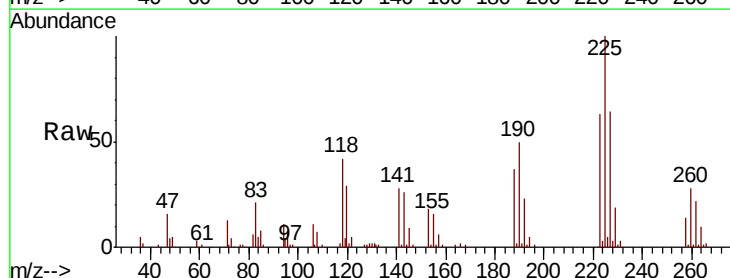
Tgt Ion:225 Resp: 98013

Ion Ratio Lower Upper

225 100

223 62.9 49.1 73.7

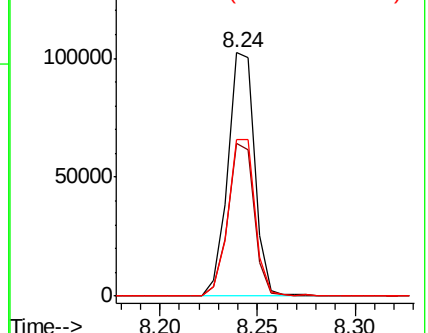
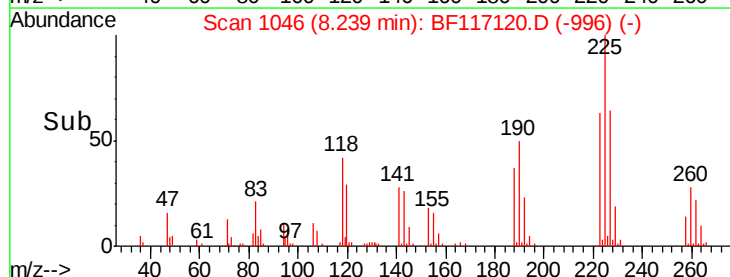
227 64.4 52.2 78.2

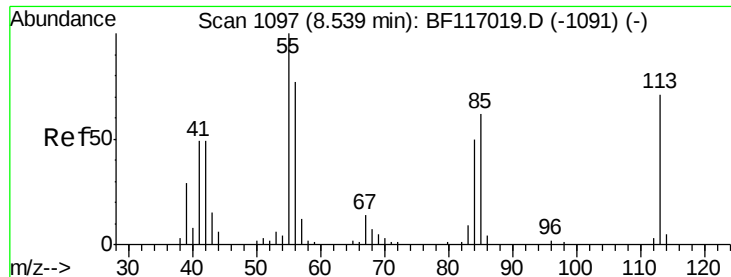


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

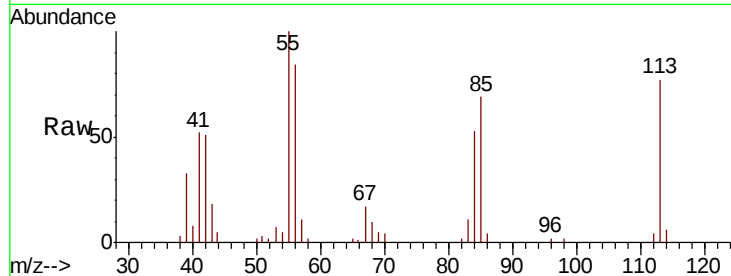




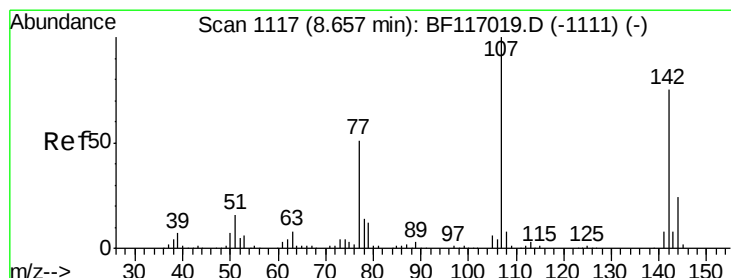
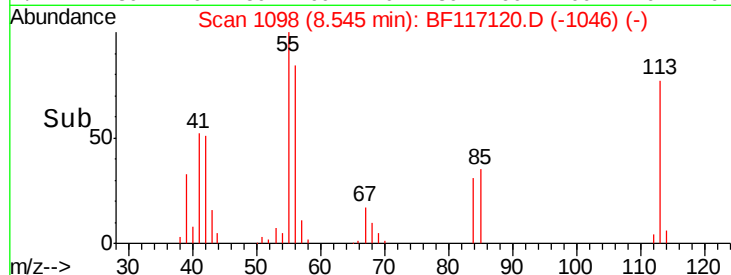
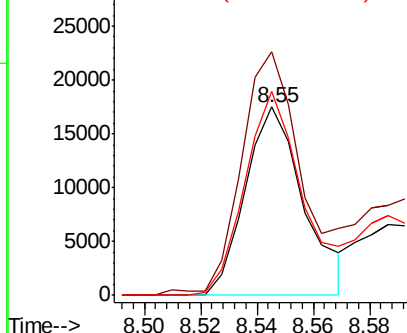
#35
Caprolactam
Concen: 23.021 ng
RT: 8.55 min Scan# 1098
Delta R.T. 0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

Tot Ion:113 Resp: 25067
Ion Ratio Lower Upper
113 100
55 129.4 120.6 160.6
56 108.3 88.8 128.8

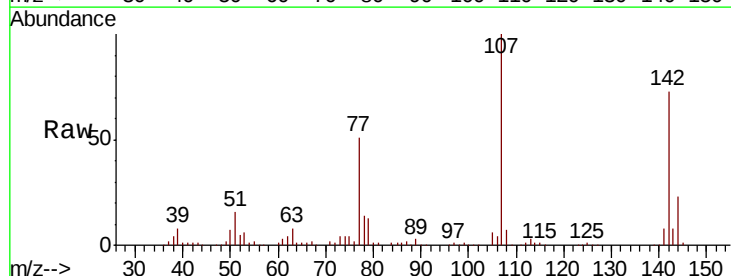


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

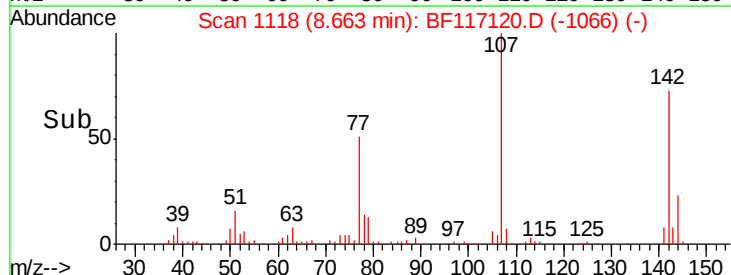
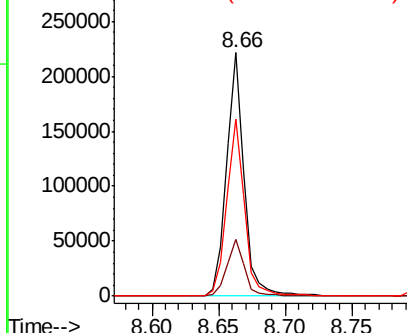


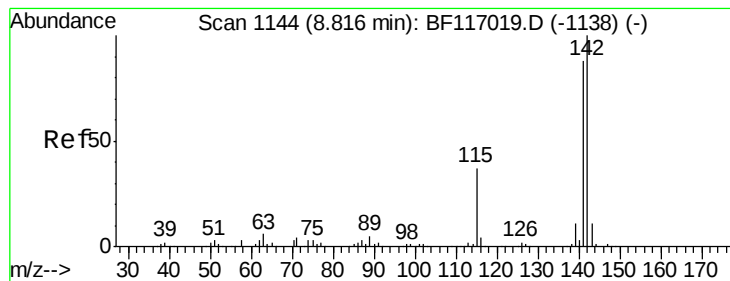
#36
4-Chloro-3-methylphenol
Concen: 55.461 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion:107 Resp: 208043
Ion Ratio Lower Upper
107 100
144 23.1 19.2 28.8
142 72.6 59.6 89.4



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 54.089 ng

RT: 8.82 min Scan# 1144

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

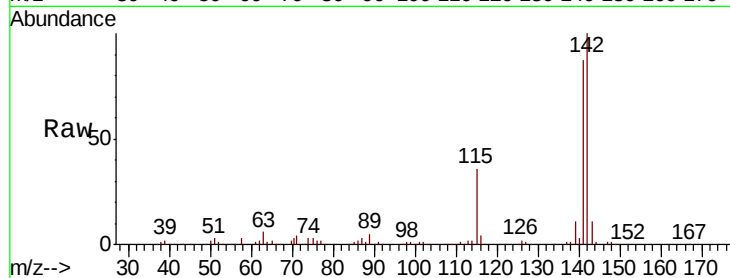
Tot Ion:142 Resp: 420093

Ion Ratio Lower Upper

142 100

141 87.3 70.7 106.1

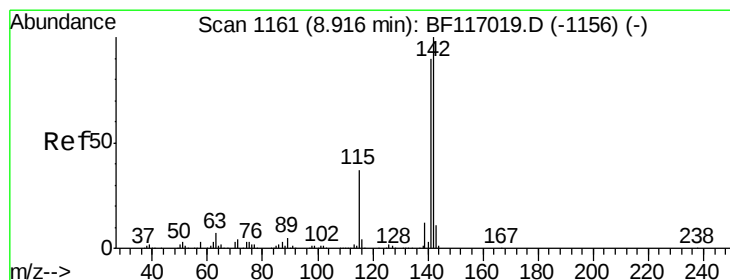
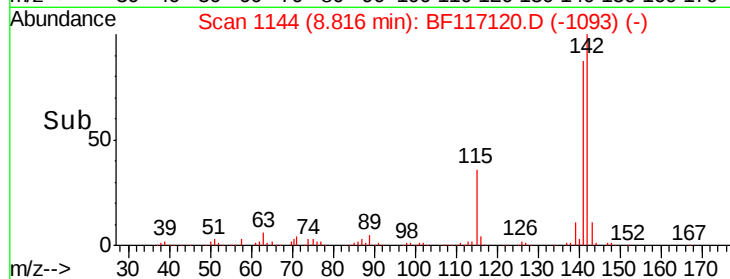
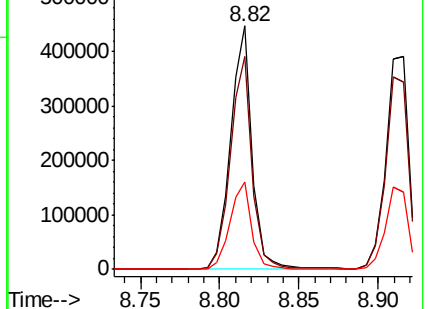
115 35.8 29.4 44.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 53.944 ng

RT: 8.92 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

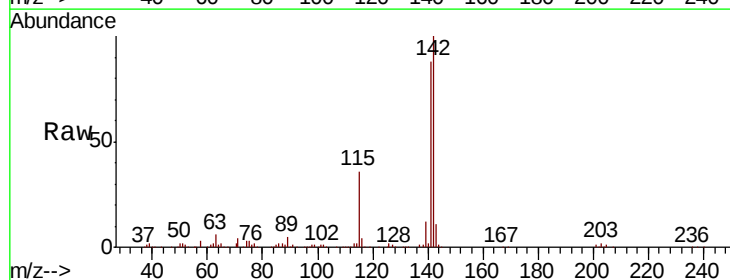
Tgt Ion:142 Resp: 392401

Ion Ratio Lower Upper

142 100

141 88.1 71.9 107.9

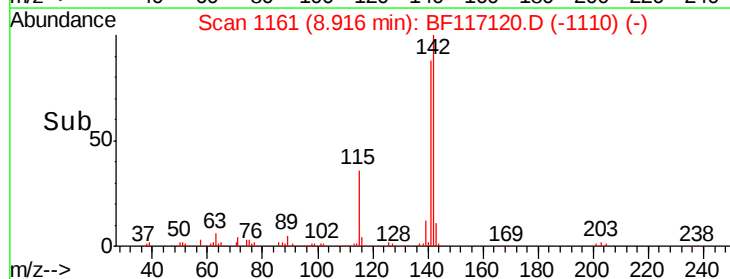
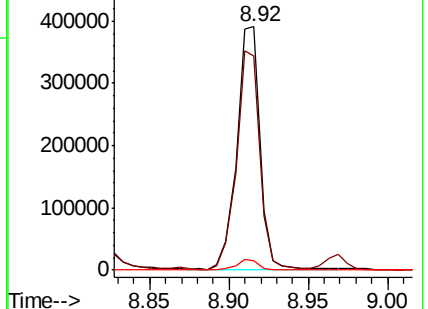
116 3.6 3.2 4.8

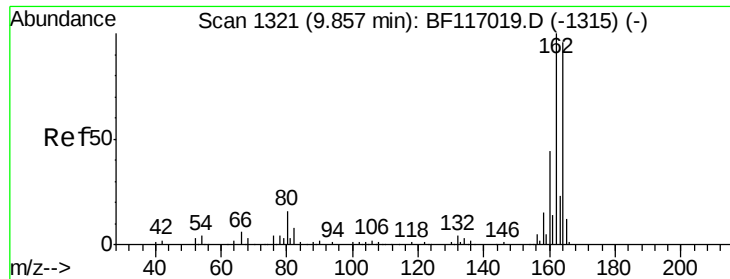


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

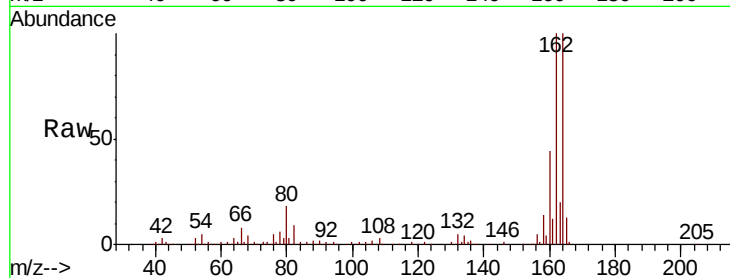
Tot Ion:164 Resp: 124576

Ion Ratio Lower Upper

164 100

162 99.5 83.4 125.2

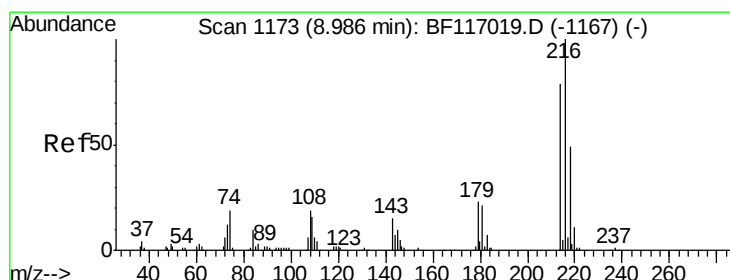
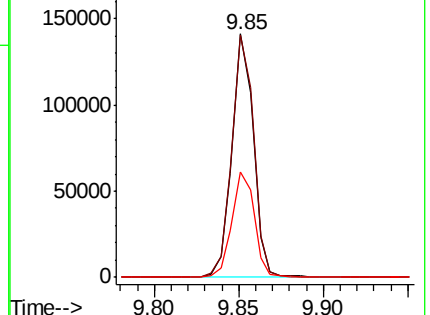
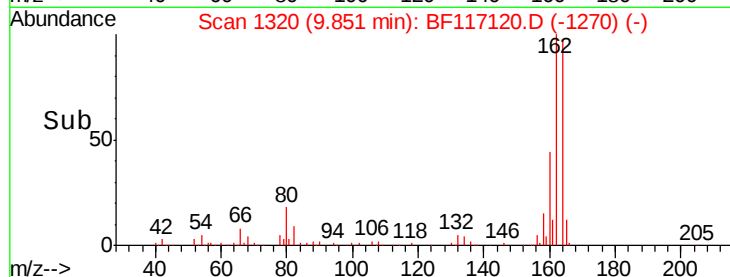
160 43.5 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.286 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Tgt Ion:216 Resp: 164981

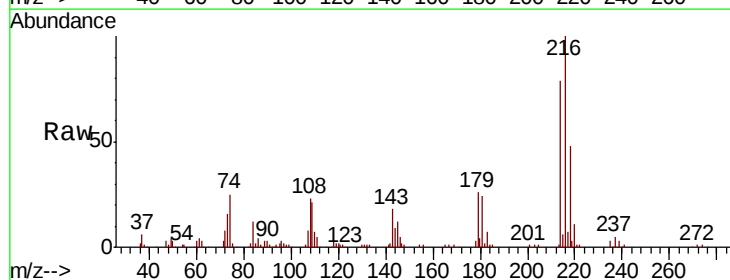
Ion Ratio Lower Upper

216 100

214 78.3 63.6 95.4

179 24.0 18.3 27.5

108 24.1 17.8 26.6

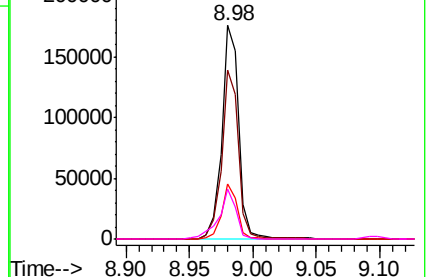
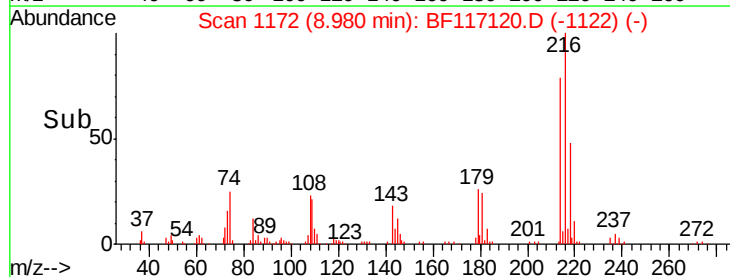


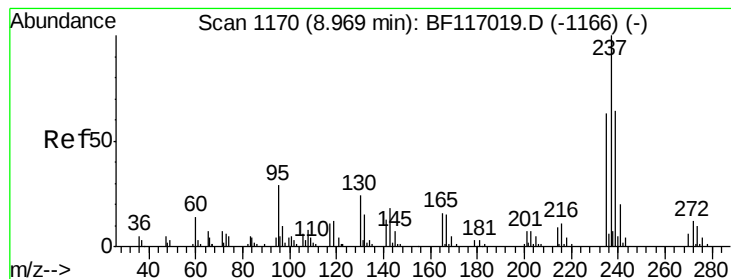
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 91.297 ng

RT: 8.97 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

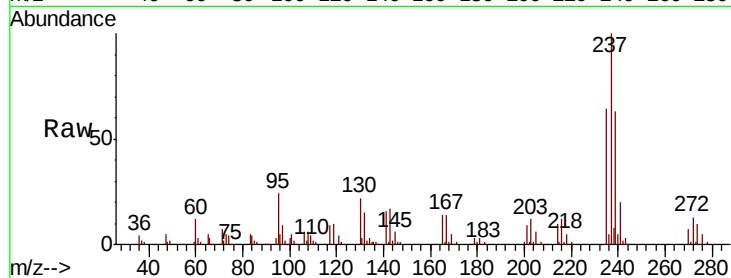
Tot Ion:237 Resp: 131566

Ion Ratio Lower Upper

237 100

235 64.0 43.2 83.2

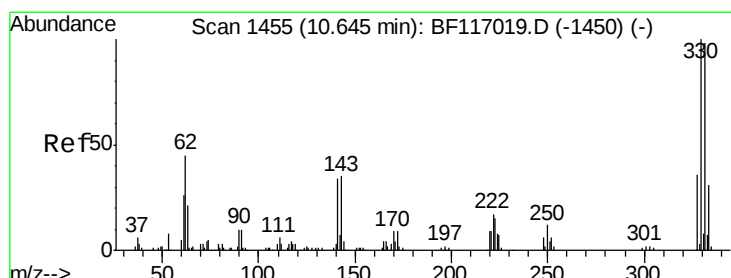
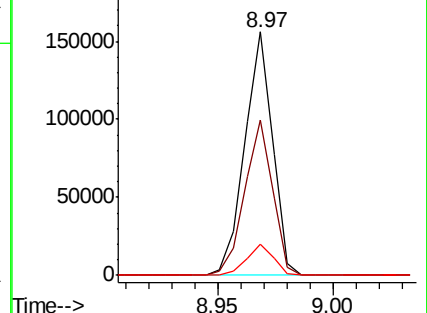
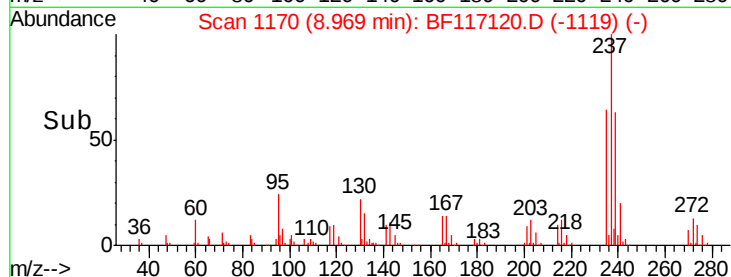
272 12.8 0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 160.886 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

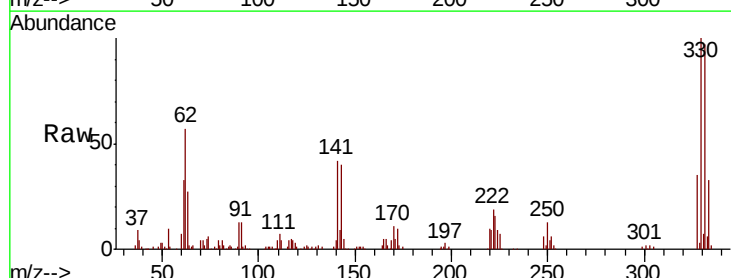
Tgt Ion:330 Resp: 167510

Ion Ratio Lower Upper

330 100

332 96.2 78.0 117.0

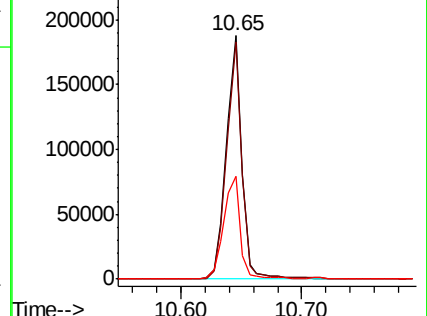
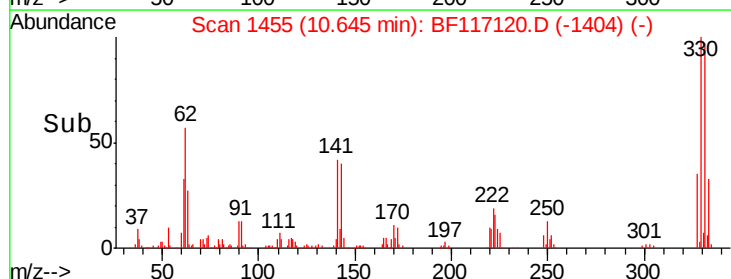
141 44.8 35.8 53.6

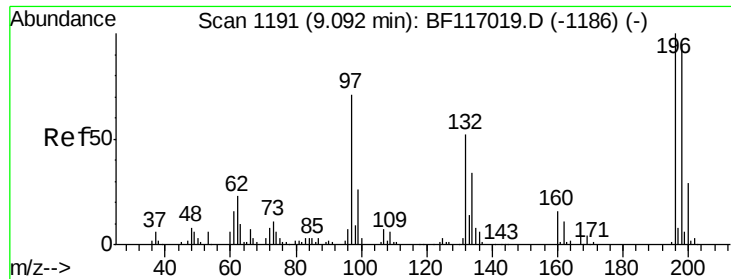


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

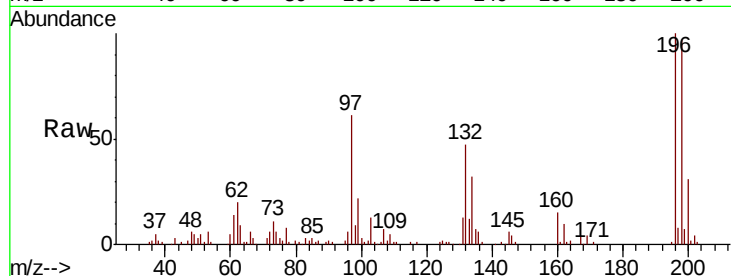




#43
 2,4,6-Trichlorophenol
 Concen: 53.671 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.8	75.7	113.5
200	30.6	23.3	34.9

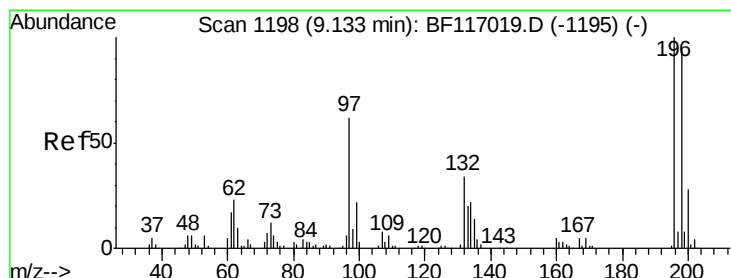
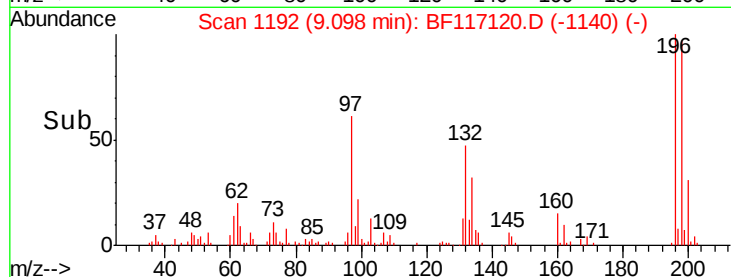
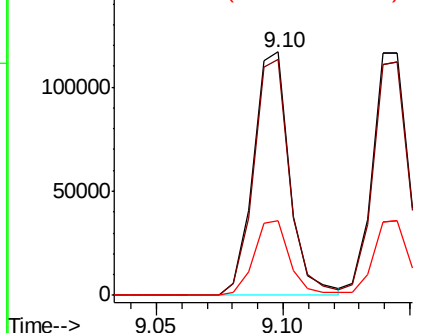


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 54.238 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.6	112.0
97	67.8	49.5	74.3
132	33.7	27.4	41.2

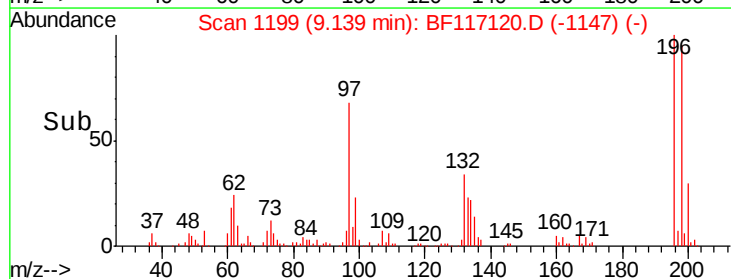
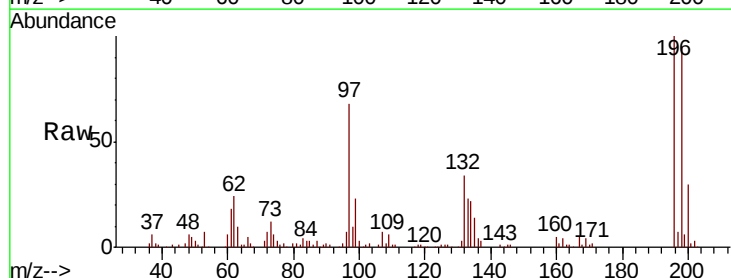
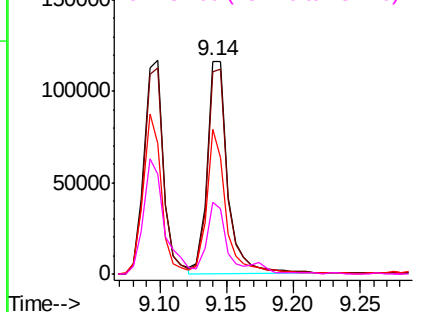
Abundance

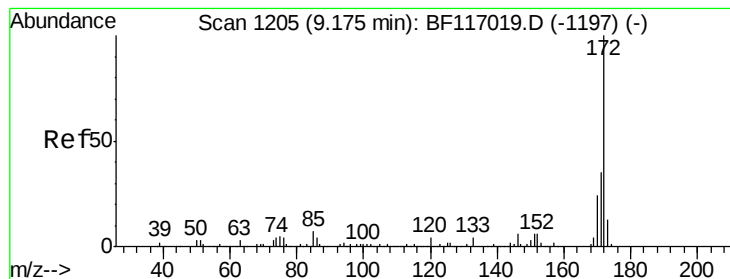
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 103.868 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

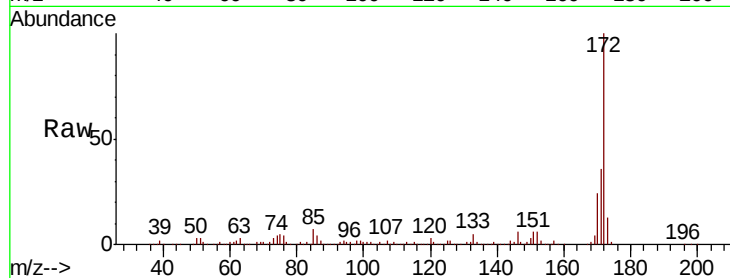
Tot Ion:172 Resp: 827554

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.9 18.9 28.3

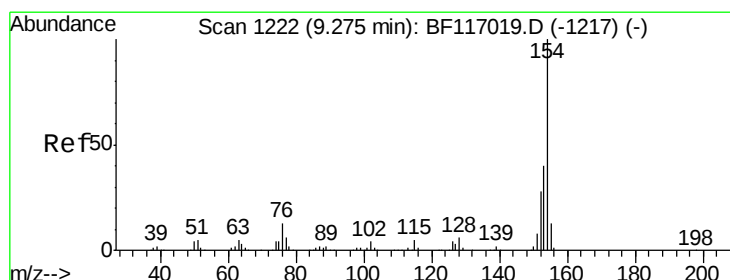
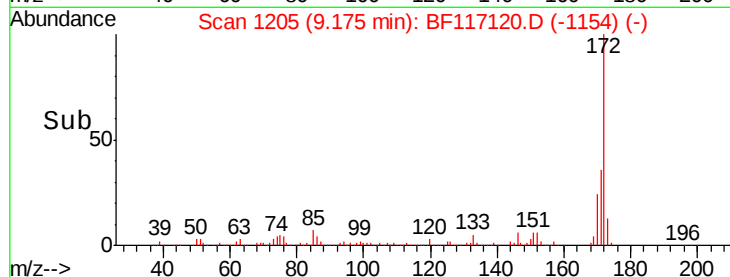
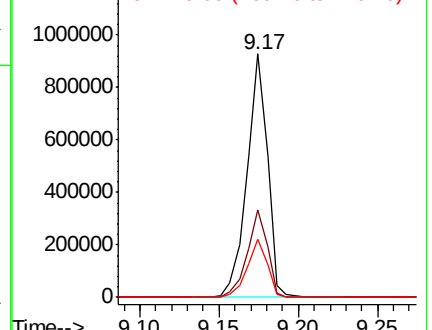


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 52.171 ng

RT: 9.27 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

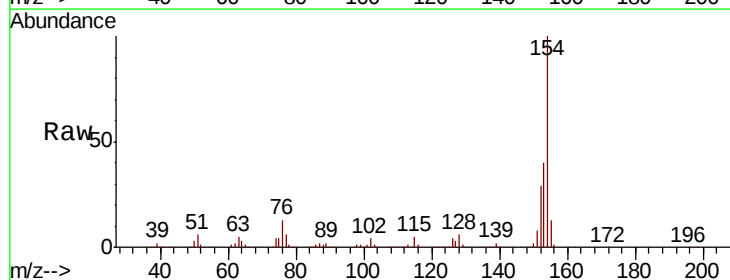
Tgt Ion:154 Resp: 509802

Ion Ratio Lower Upper

154 100

153 39.6 20.0 60.0

76 12.7 0.0 32.7

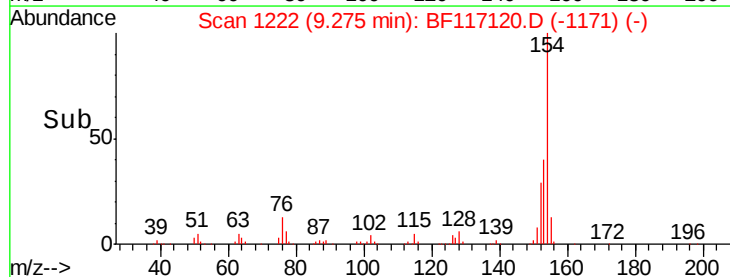
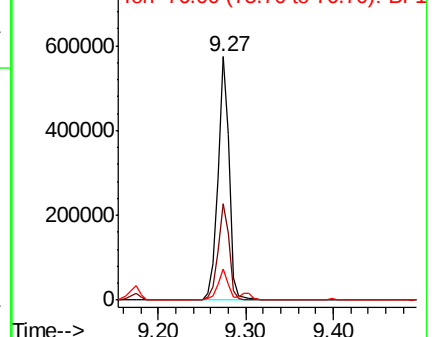


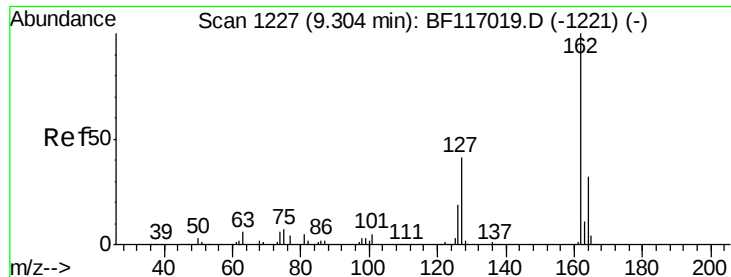
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

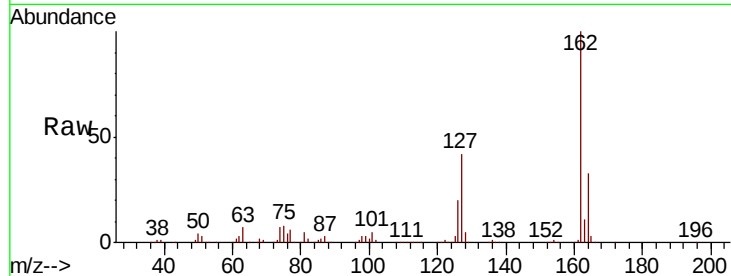




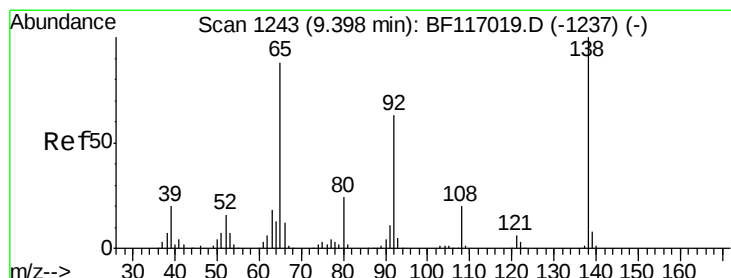
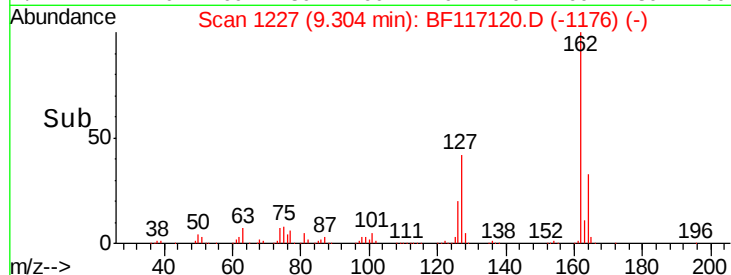
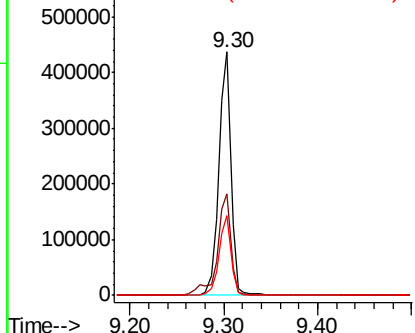
#47
2-Chloronaphthalene
Concen: 51.836 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.7	34.1	51.1
164	32.9	25.9	38.9

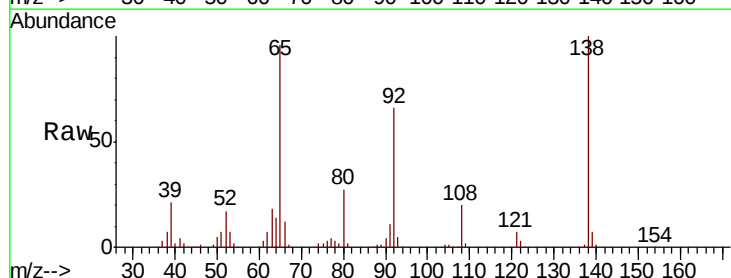


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

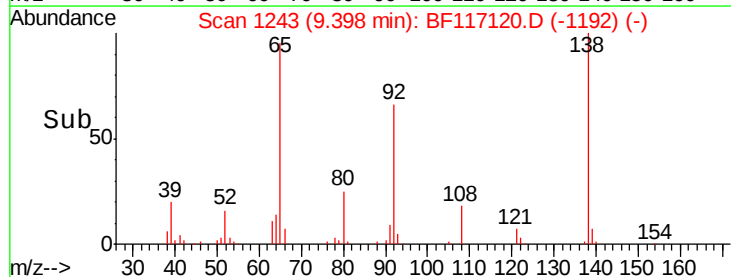
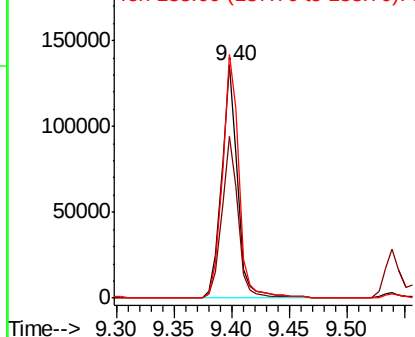


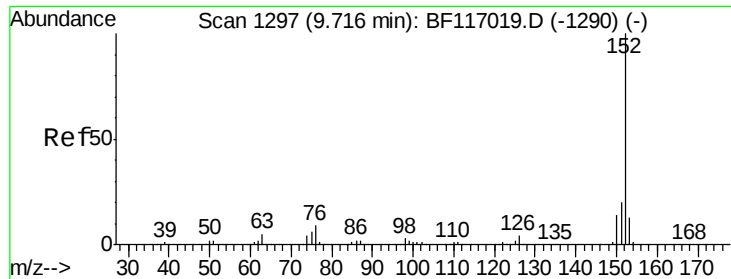
#48
2-Nitroaniline
Concen: 52.556 ng
RT: 9.40 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.4	57.5	86.3
138	104.5	90.6	136.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 54.781 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

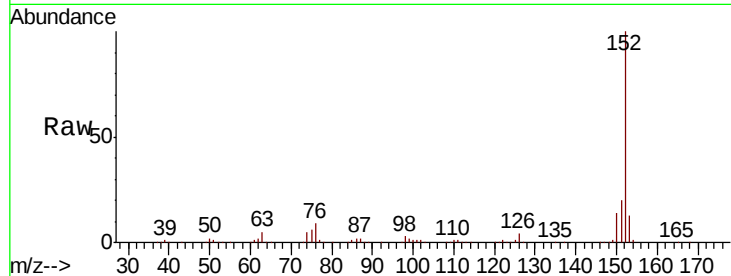
BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion:152 Resp: 632887

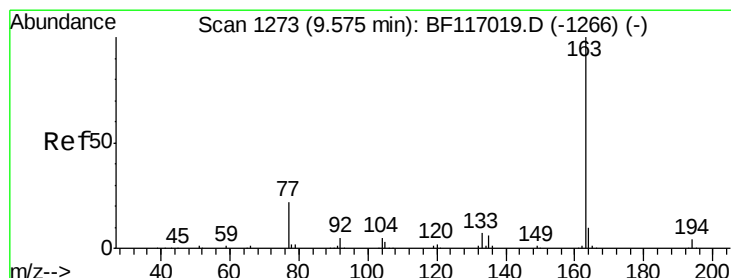
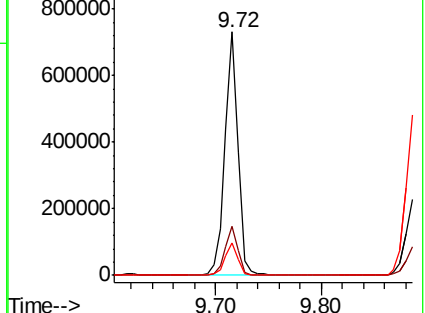
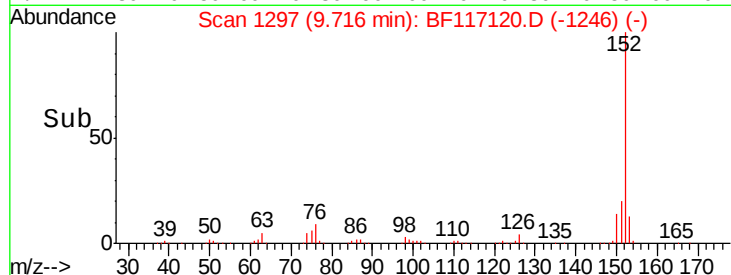
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.1	10.2	15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 54.925 ng

RT: 9.57 min Scan# 1273

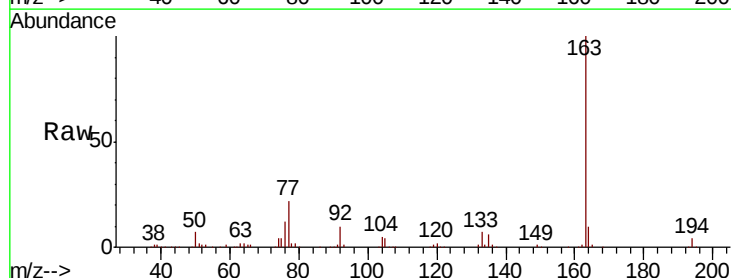
Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Tgt Ion:163 Resp: 484475

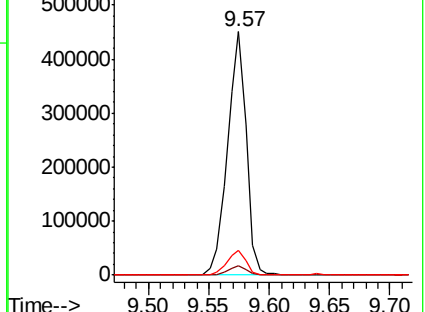
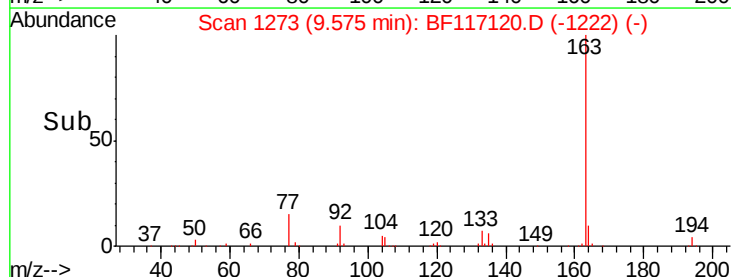
Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	10.2	8.2	12.4

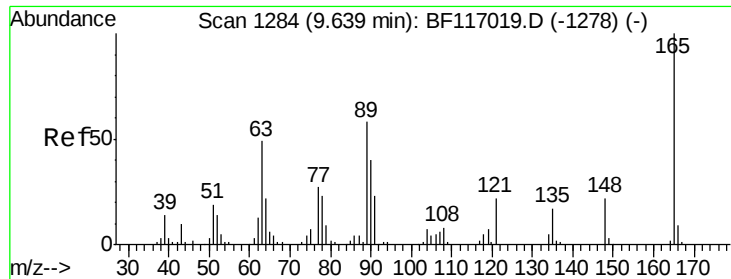


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 57.587 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

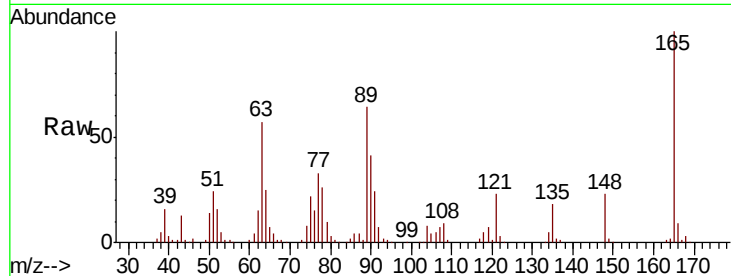
Tot Ion:165 Resp: 103454

Ion Ratio Lower Upper

165 100

63 56.9 41.8 62.8

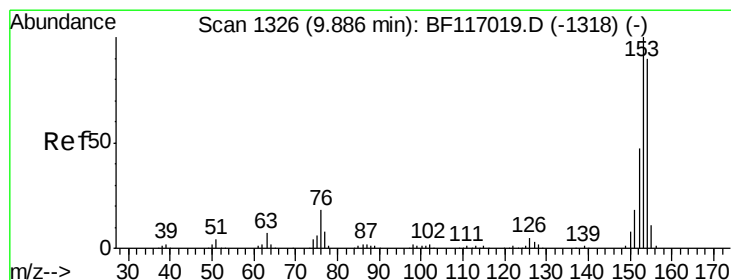
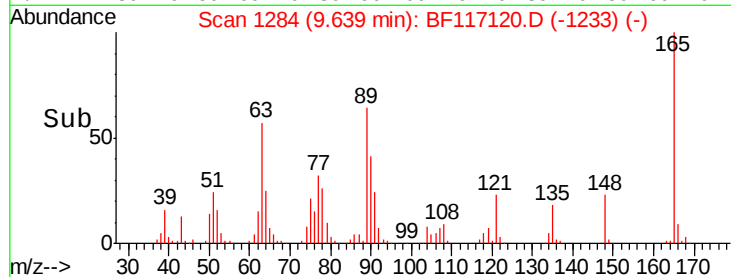
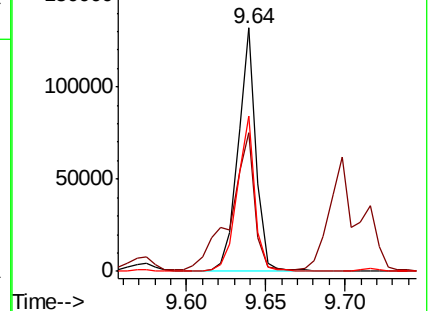
89 63.9 46.5 69.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 52.907 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

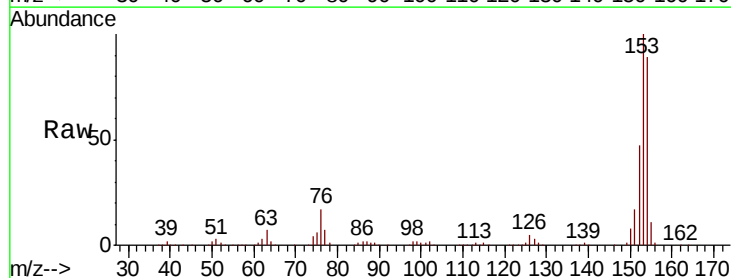
Tgt Ion:154 Resp: 362330

Ion Ratio Lower Upper

154 100

153 112.1 89.0 133.6

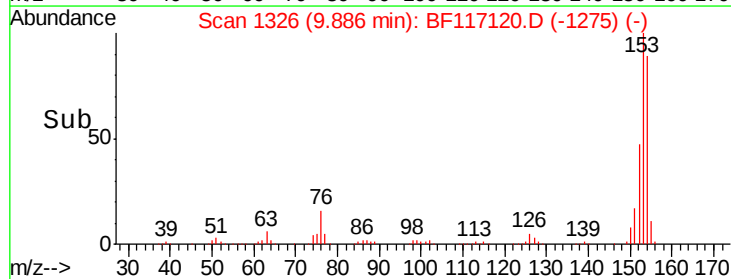
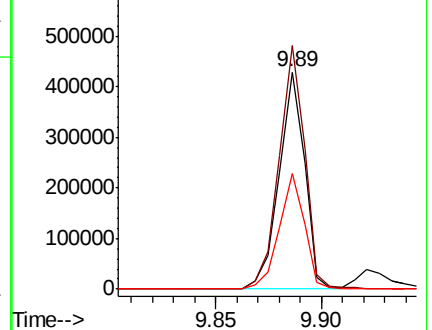
152 53.1 41.9 62.9

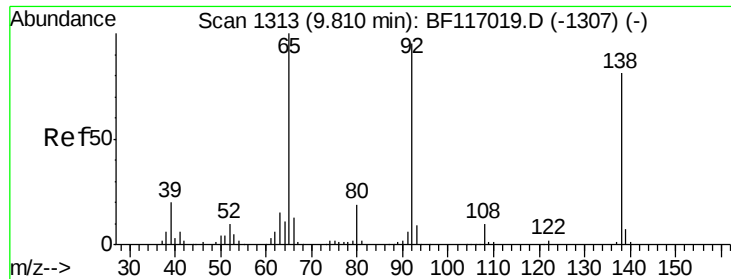


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 17.809 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

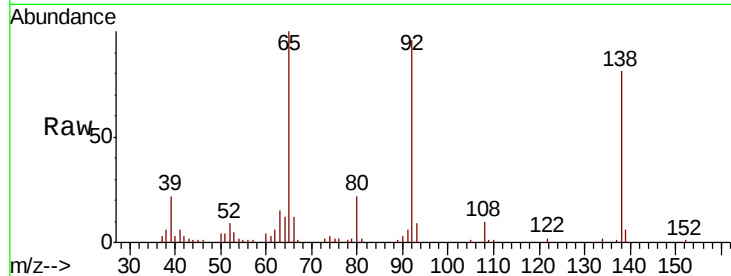
Tot Ion:138 Resp: 40366

Ion Ratio Lower Upper

138 100

108 12.5 9.5 14.3

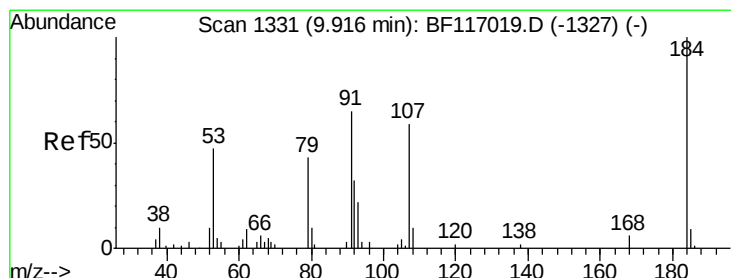
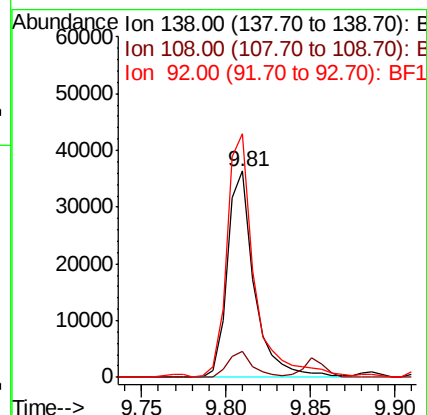
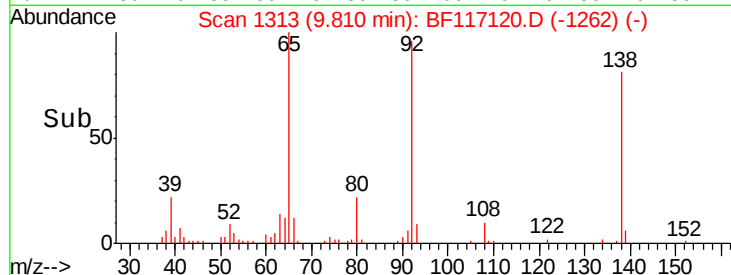
92 118.1 94.1 141.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 76.718 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

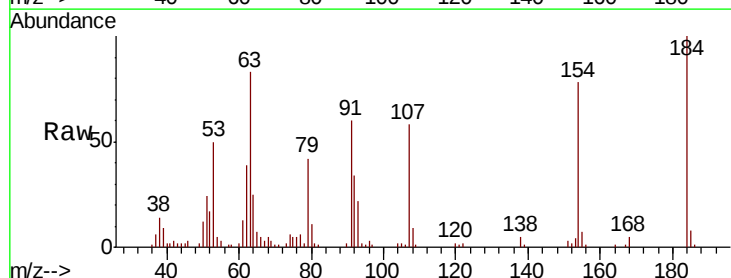
Tgt Ion:184 Resp: 59181

Ion Ratio Lower Upper

184 100

63 82.6 63.8 95.6

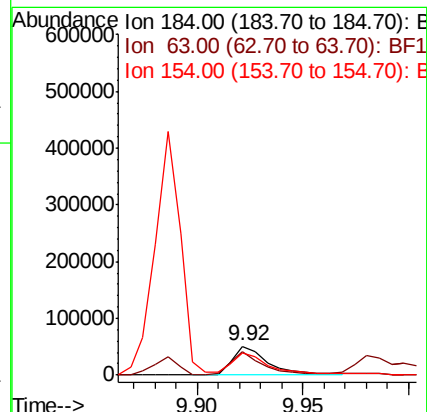
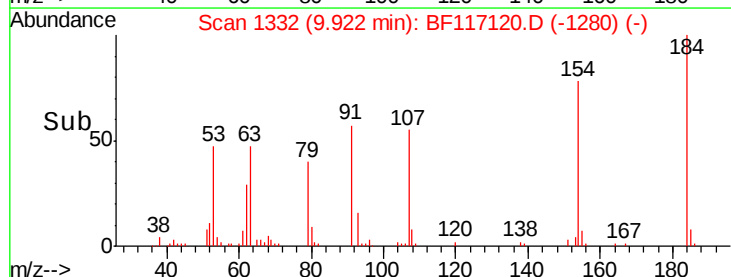
154 78.3 60.4 90.6

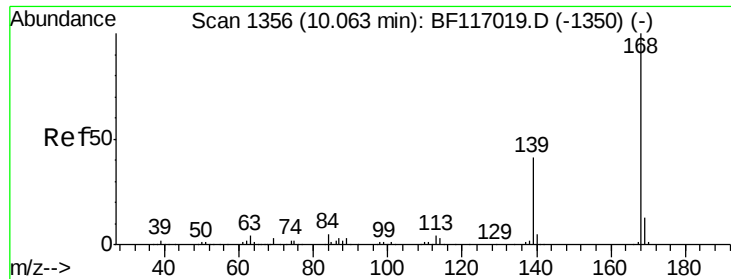


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

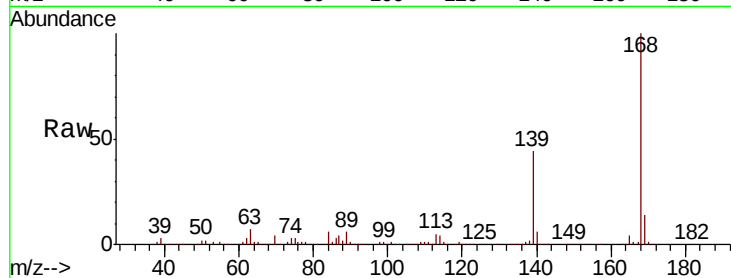




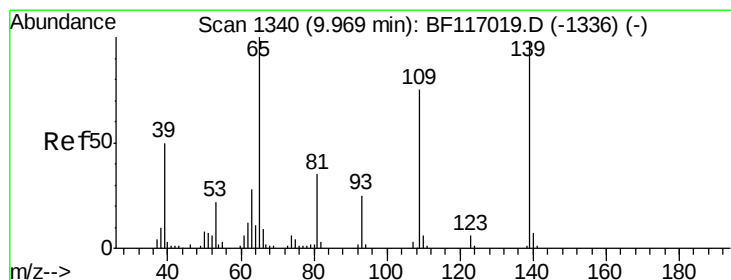
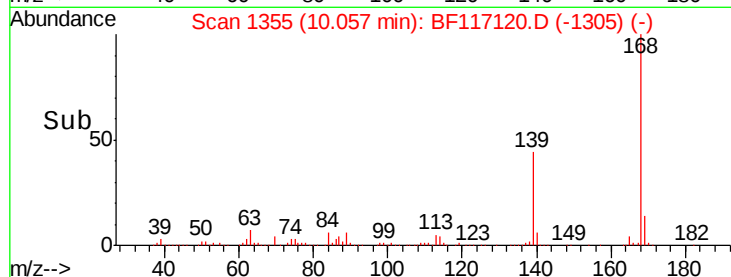
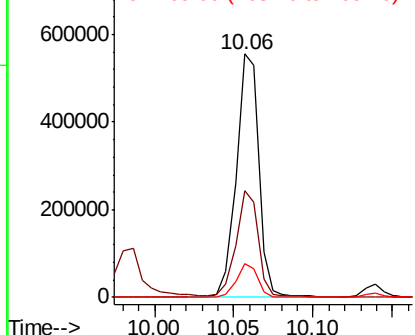
#55
Dibenzenofuran
Concen: 54.375 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

Tot Ion:168 Resp: 549429
Ion Ratio Lower Upper
168 100
139 43.7 32.8 49.2
169 13.9 10.5 15.7

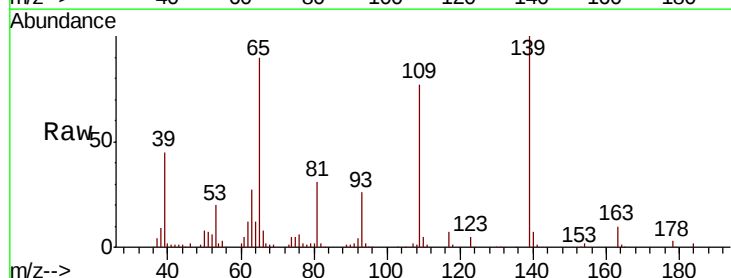


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

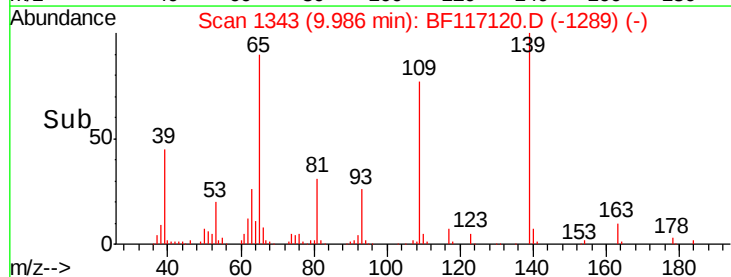
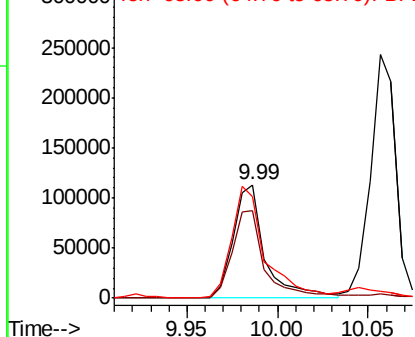


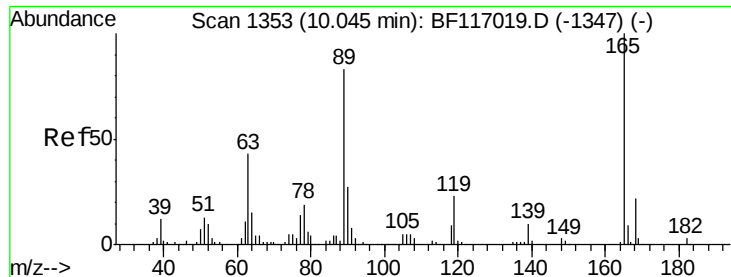
#56
4-Nitrophenol
Concen: 94.161 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion:139 Resp: 138324
Ion Ratio Lower Upper
139 100
109 77.1 56.4 96.4
65 89.9 82.5 122.5



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

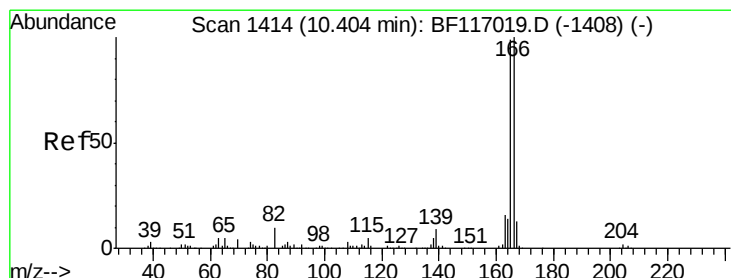
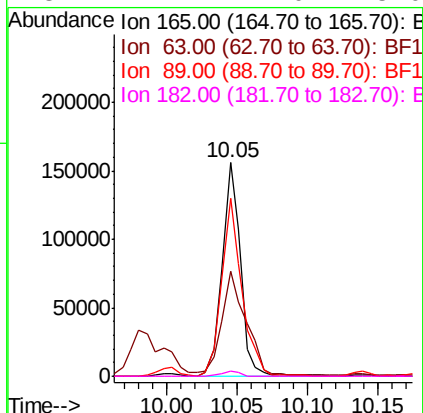
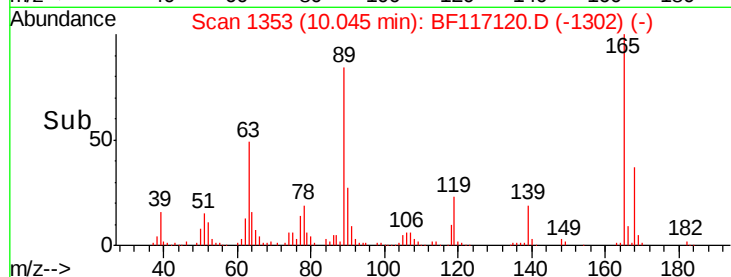
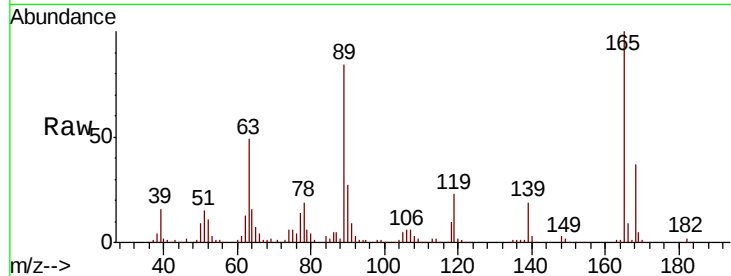




#57
2,4-Dinitrotoluene
Concen: 60.766 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

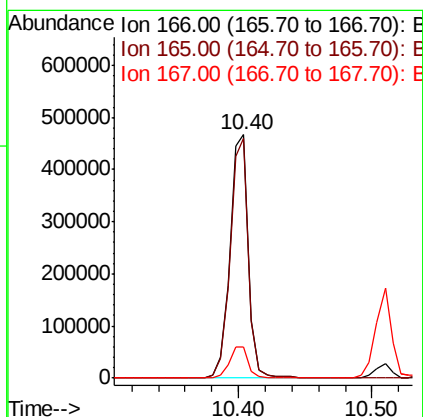
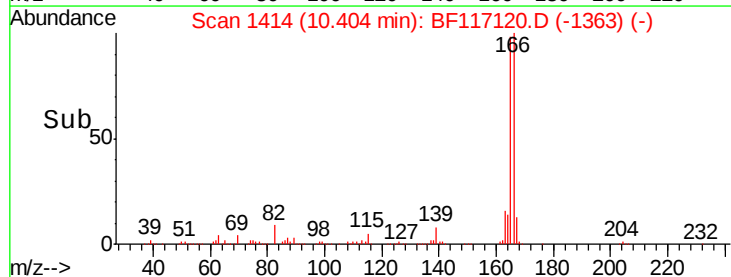
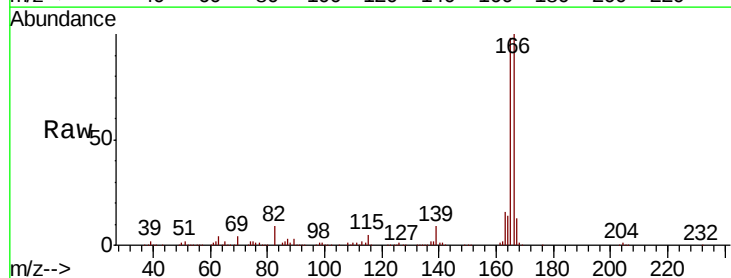
Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

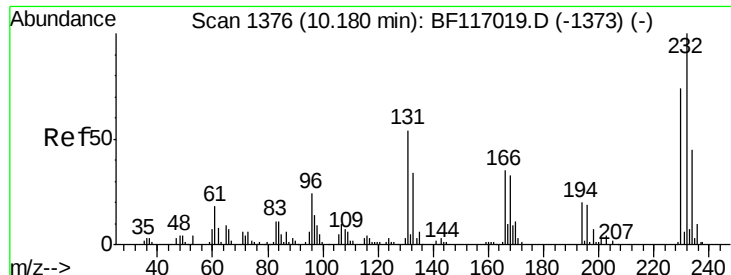
Tot Ion	Ratio	Lower	Upper
165	100		
63	49.1	35.0	52.4
89	83.6	66.1	99.1
182	2.4	2.0	3.0



#58
Fluorene
Concen: 55.890 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.9	118.3
167	13.0	10.6	15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 55.868 ng

RT: 10.18 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion:232 Resp: 99717

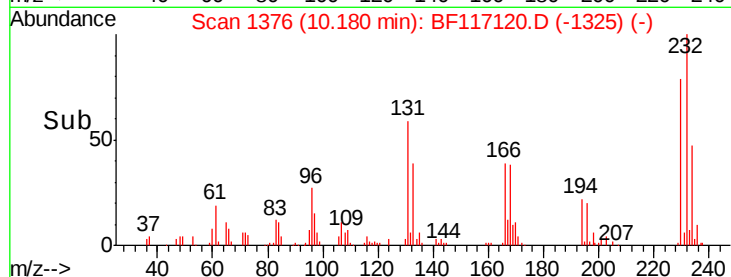
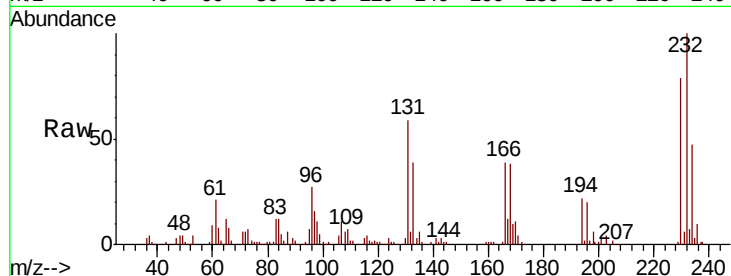
Ion Ratio Lower Upper

232 100

131 55.7 45.3 67.9

130 2.7 1.8 2.8

166 37.4 29.4 44.2

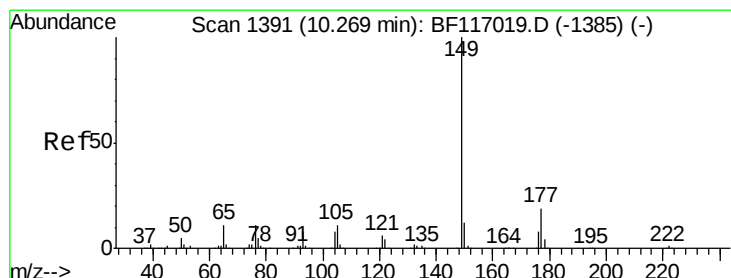
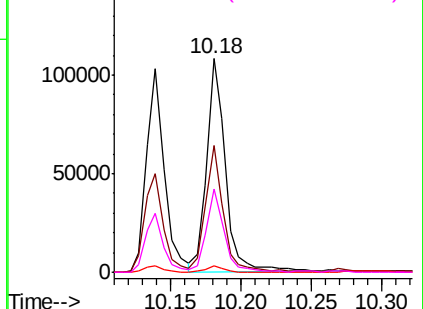


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 54.978 ng

RT: 10.27 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

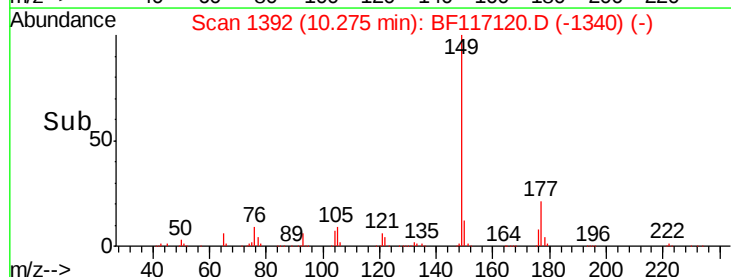
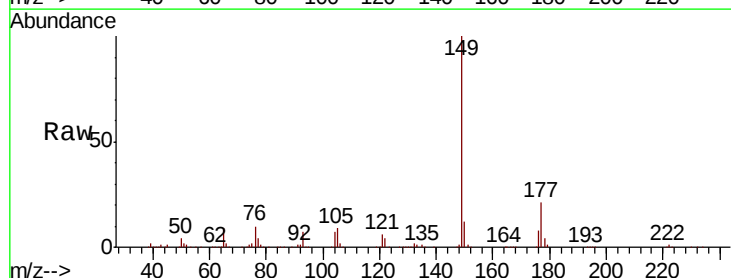
Tgt Ion:149 Resp: 477094

Ion Ratio Lower Upper

149 100

177 21.1 15.2 22.8

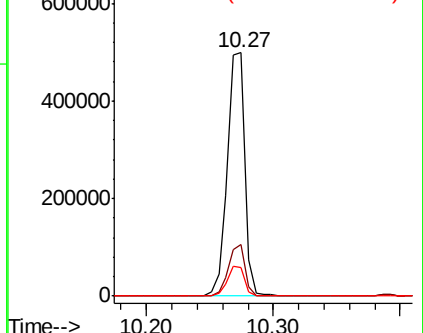
150 11.9 9.9 14.9

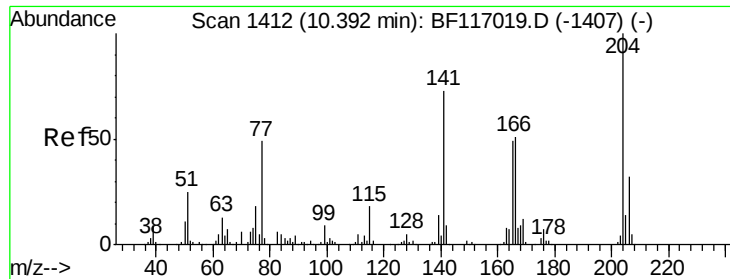


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

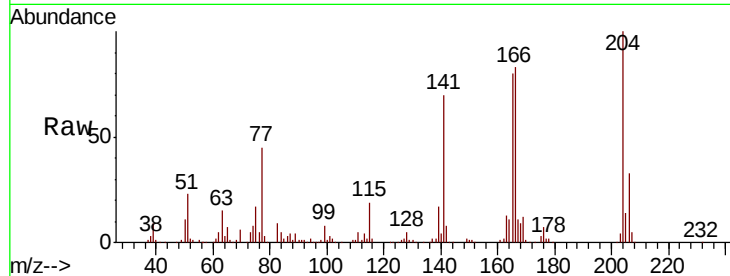




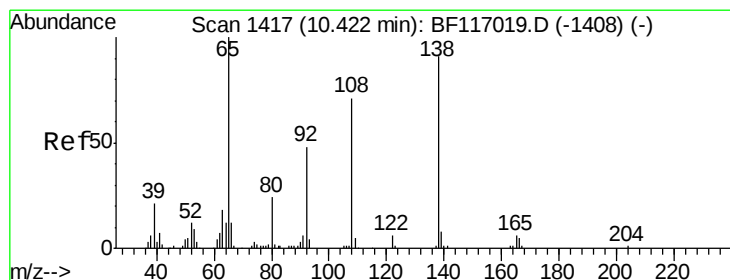
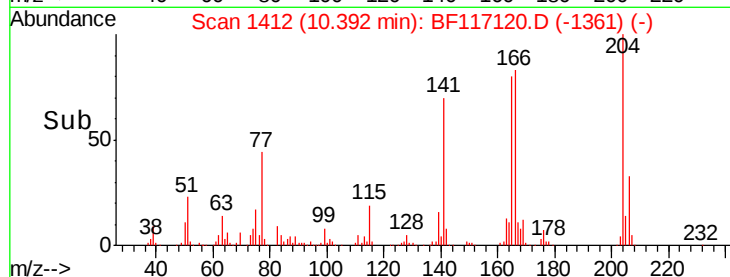
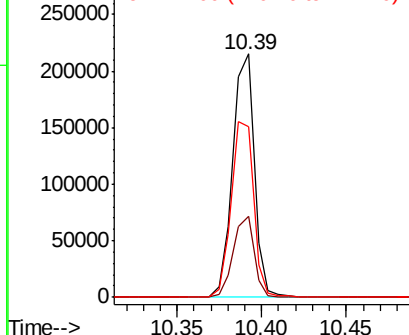
#61
4-Chlorophenyl-phenylether
Concen: 54.373 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

Tot Ion:204 Resp: 191482
Ion Ratio Lower Upper
204 100
206 33.3 26.0 39.0
141 69.8 58.2 87.2

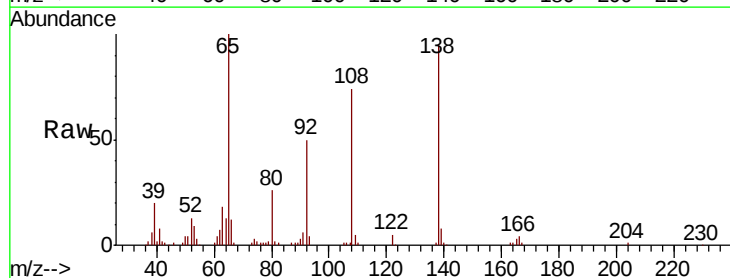


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

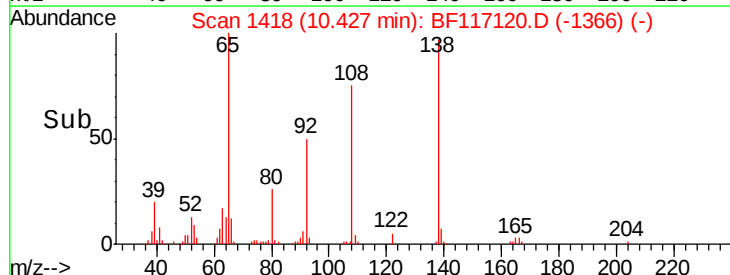
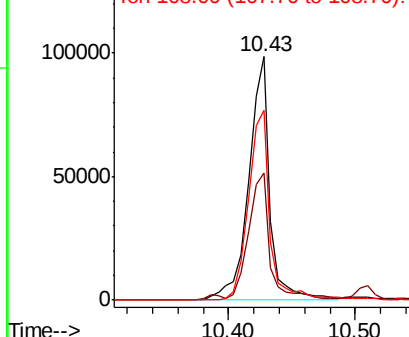


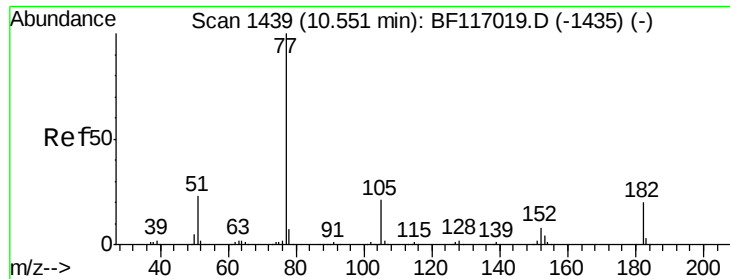
#62
4-Nitroaniline
Concen: 48.909 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion:138 Resp: 115287
Ion Ratio Lower Upper
138 100
92 52.2 32.9 72.9
108 78.2 58.3 98.3



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 54.759 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion: 77 Resp: 485331

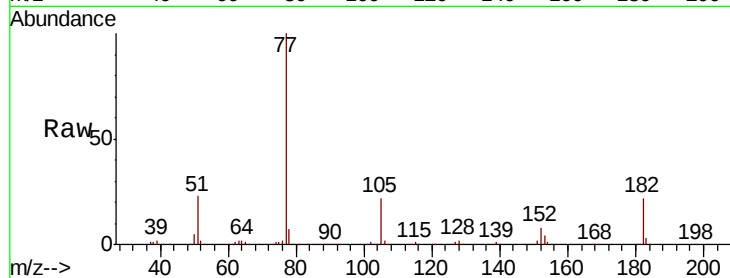
Ion Ratio Lower Upper

77 100

182 21.8 0.4 40.4

105 21.9 0.9 40.9

51 23.0 2.8 42.8

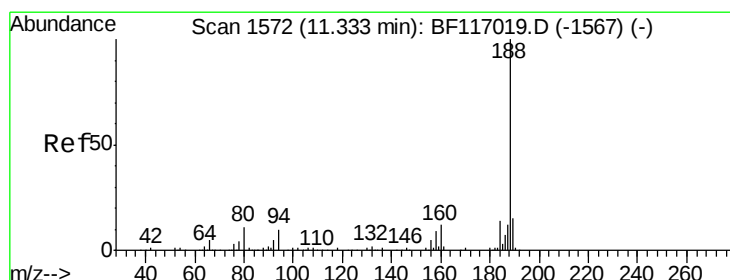
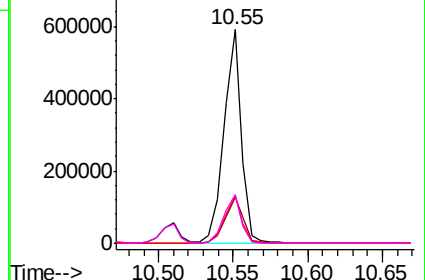
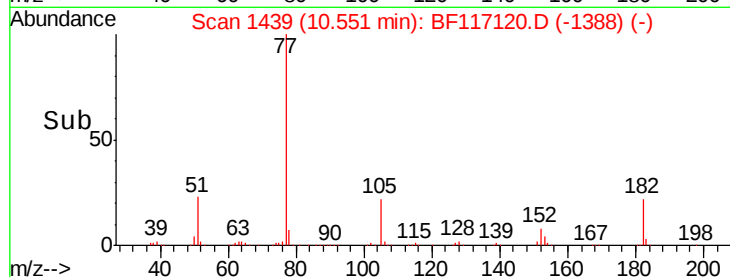


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

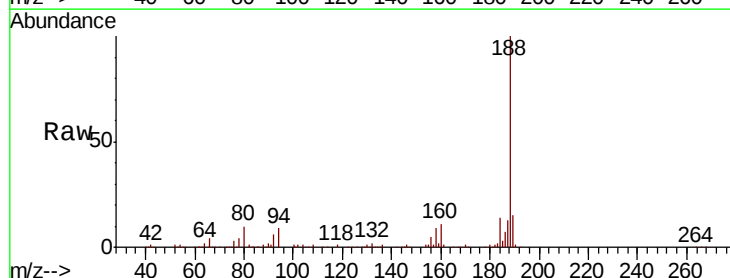
Tgt Ion: 188 Resp: 209740

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.2

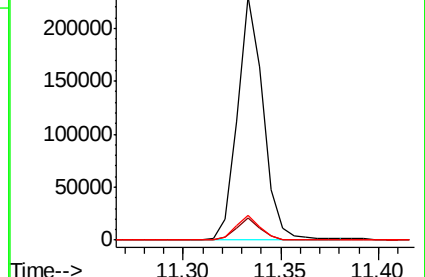
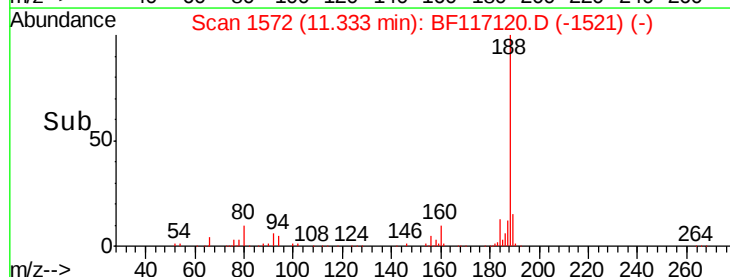
80 10.3 9.0 13.6

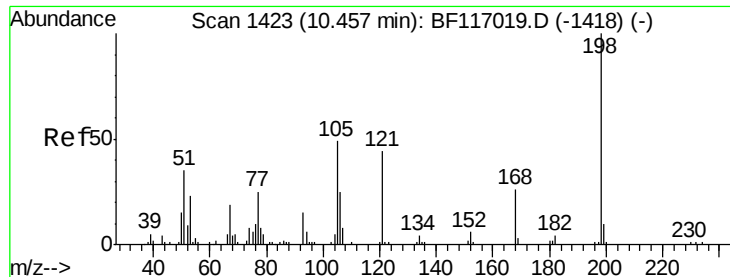


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 51.025 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

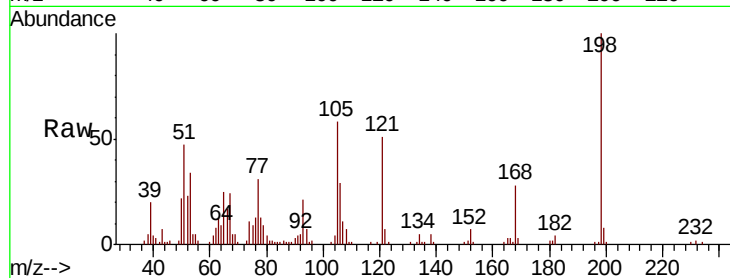
Tot Ion:198 Resp: 49249

Ion Ratio Lower Upper

198 100

51 47.4 18.7 58.7

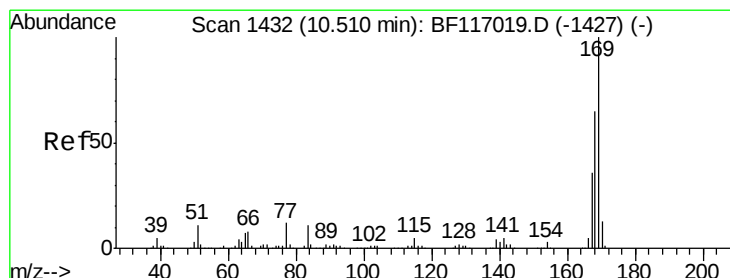
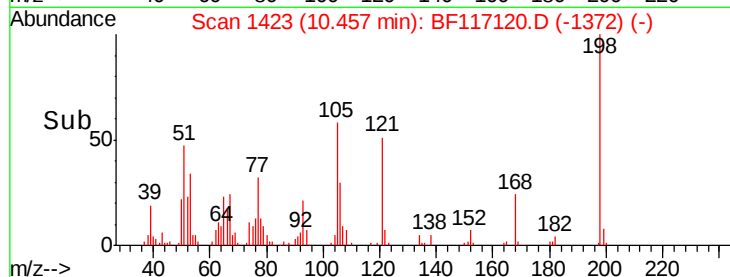
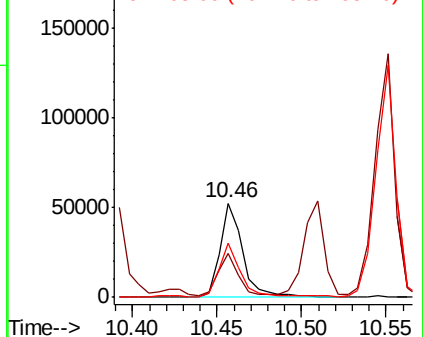
105 57.5 30.2 70.2



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 54.215 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

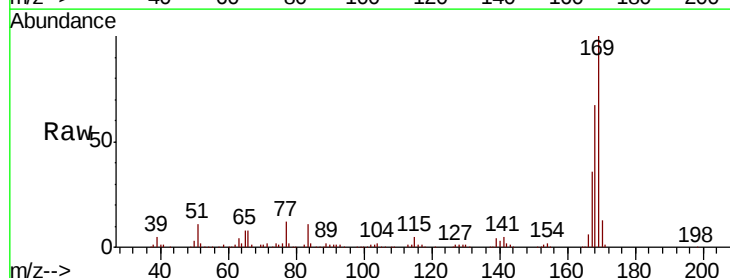
Tgt Ion:169 Resp: 392710

Ion Ratio Lower Upper

169 100

168 66.6 52.2 78.2

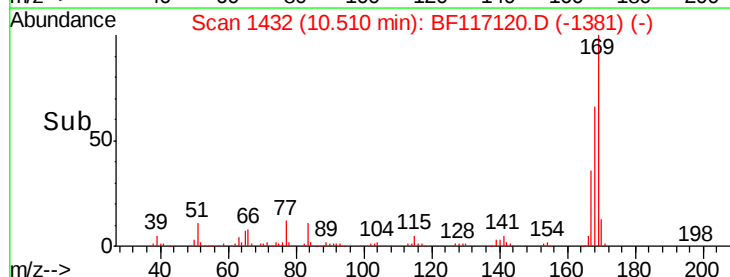
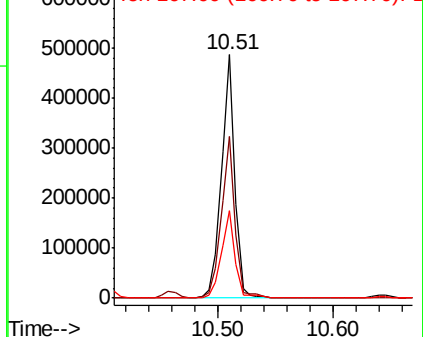
167 35.7 28.8 43.2

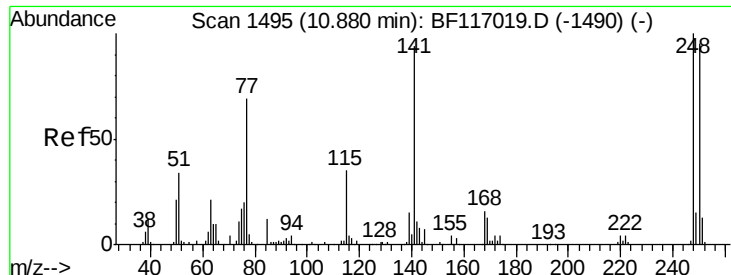


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

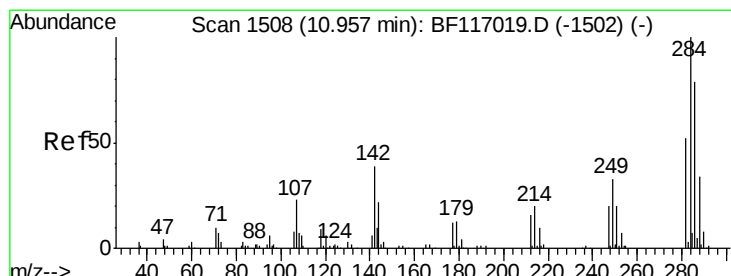
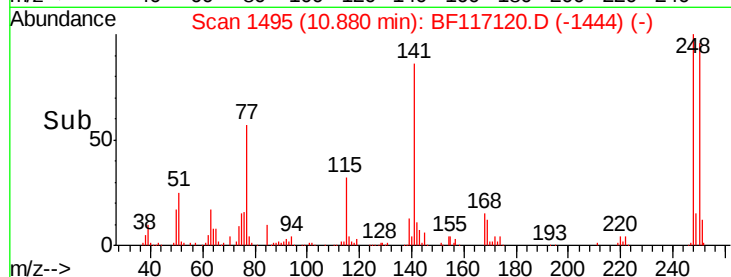
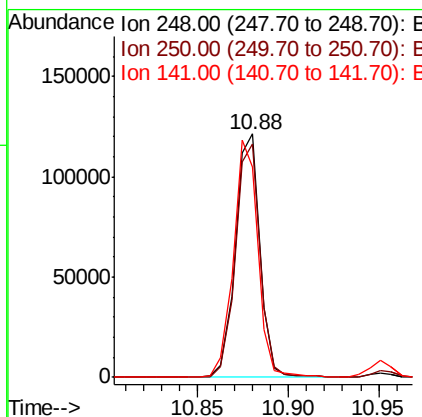
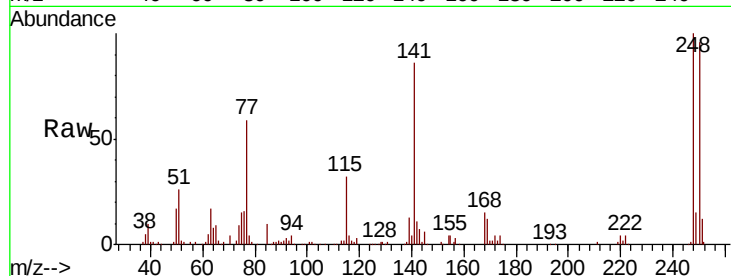




#67
 4-Bromophenyl-phenylether
 Concen: 53.438 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

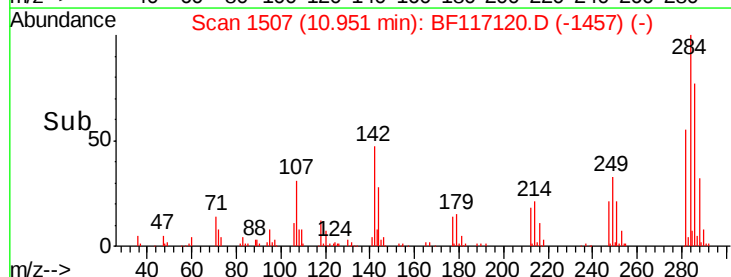
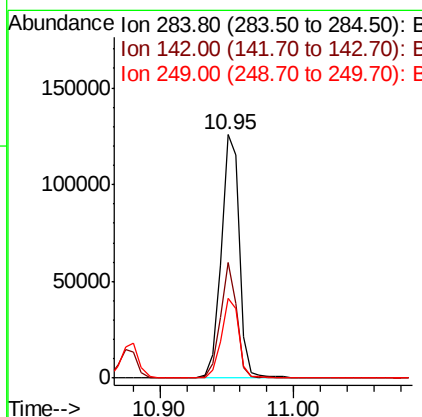
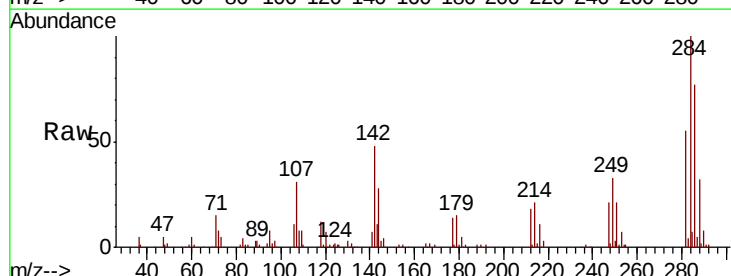
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

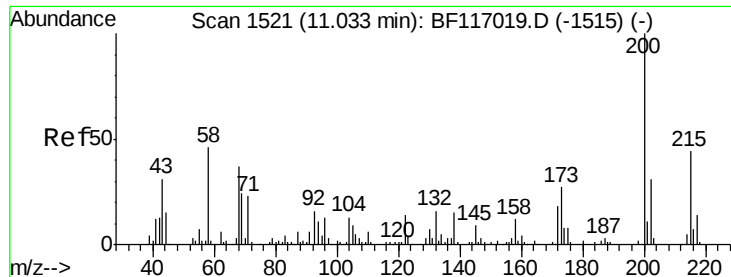
Tot Ion:248 Resp: 114462
 Ion Ratio Lower Upper
 248 100
 250 96.0 76.2 114.4
 141 86.4 75.0 112.4



#68
 Hexachlorobenzene
 Concen: 51.710 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion:284 Resp: 121145
 Ion Ratio Lower Upper
 284 100
 142 47.7 31.4 47.2#
 249 33.0 26.5 39.7

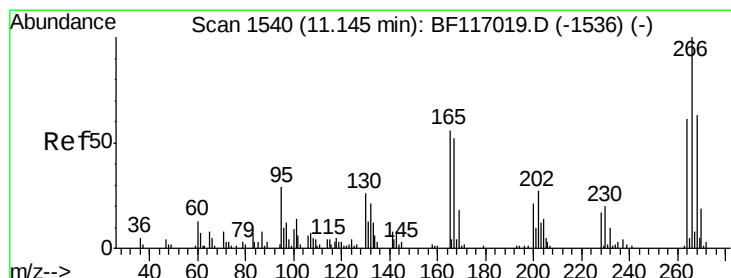
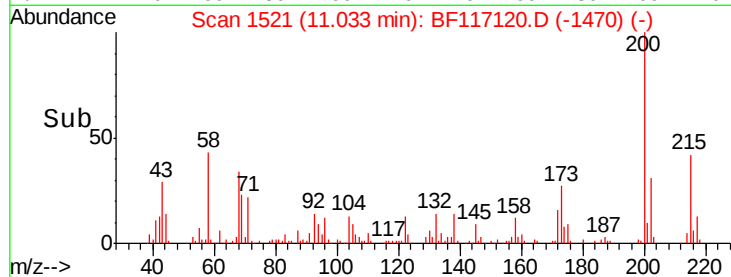
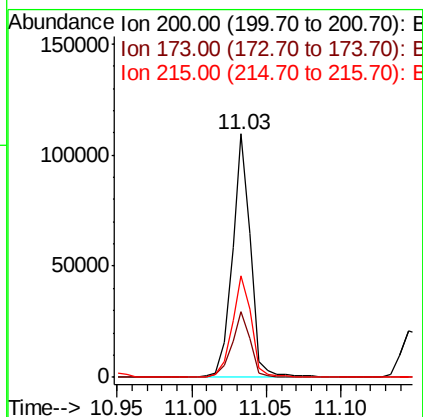
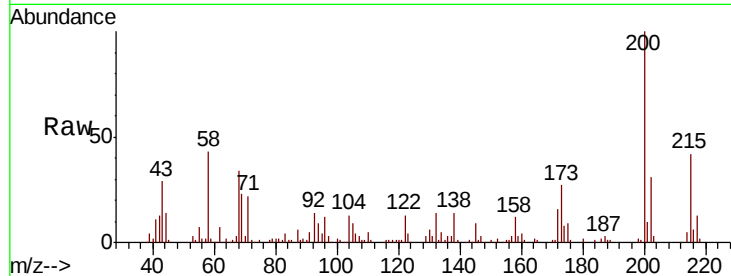




#69
 Atrazine
 Concen: 55.615 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

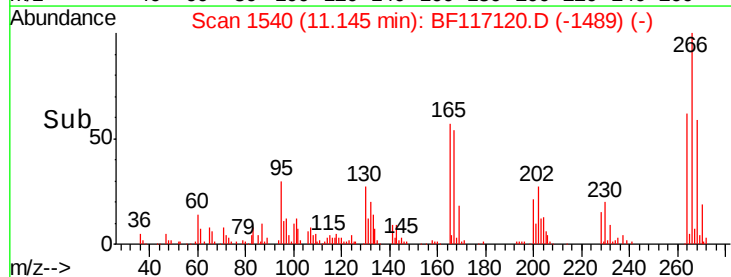
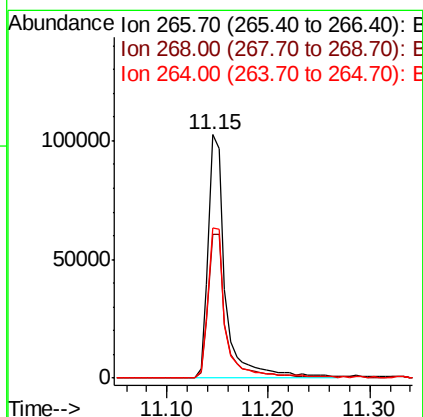
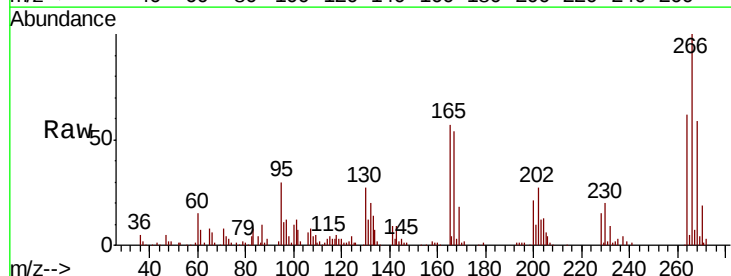
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

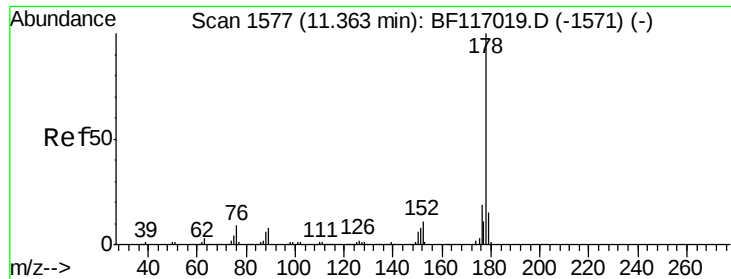
Tot Ion:200 Resp: 94064
 Ion Ratio Lower Upper
 200 100
 173 27.2 6.9 46.9
 215 41.9 23.8 63.8



#70
 Pentachlorophenol
 Concen: 111.752 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion:266 Resp: 122723
 Ion Ratio Lower Upper
 266 100
 268 59.0 50.5 75.7
 264 61.6 48.8 73.2

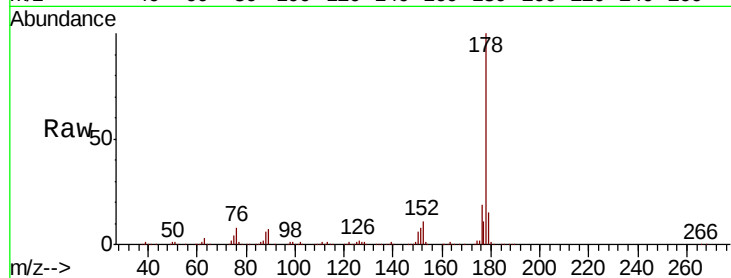




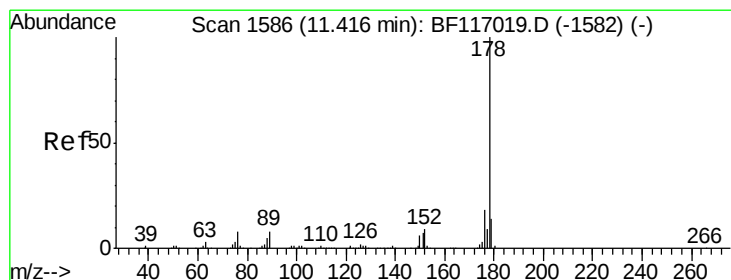
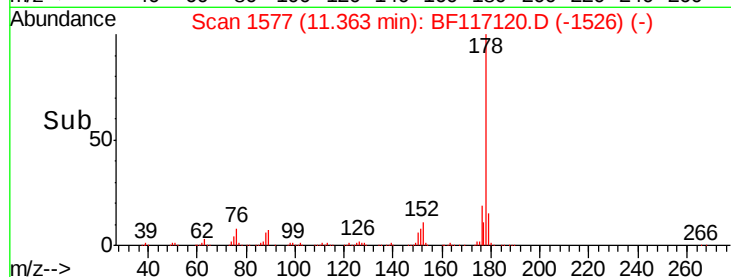
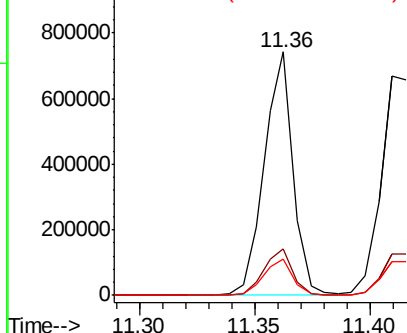
#71
Phenanthrene
Concen: 54.014 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

Tot Ion:178 Resp: 643480
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.7 12.4 18.6

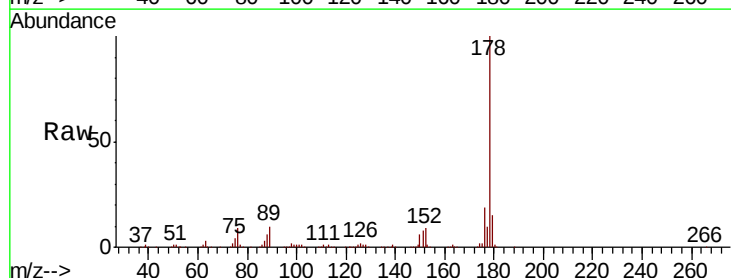


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

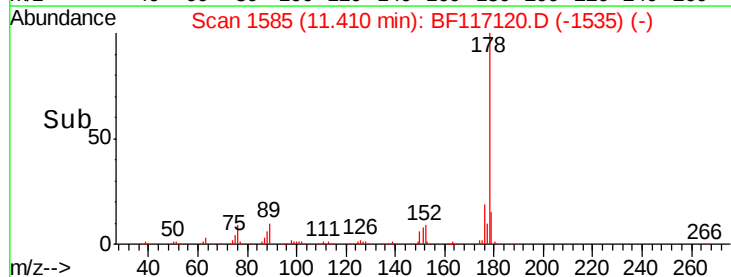
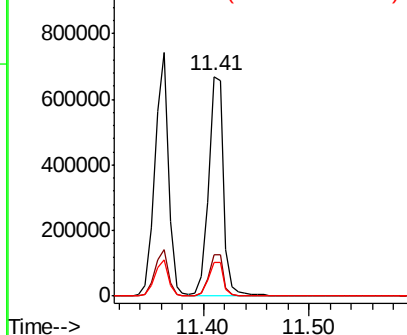


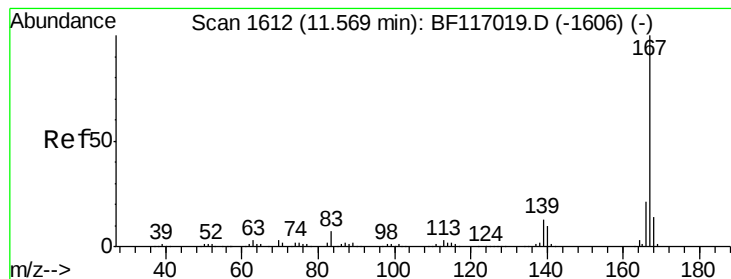
#72
Anthracene
Concen: 55.159 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion:178 Resp: 670869
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.4 11.6 17.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 54.497 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

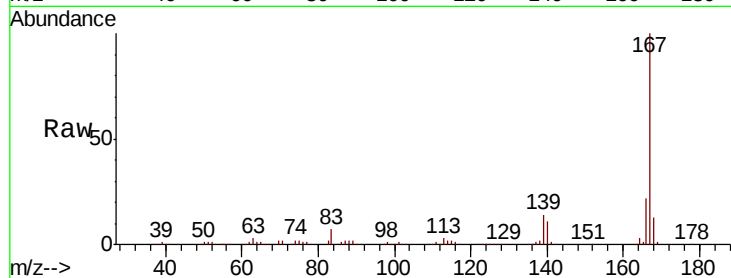
Tot Ion:167 Resp: 629151

Ion Ratio Lower Upper

167 100

166 22.0 17.2 25.8

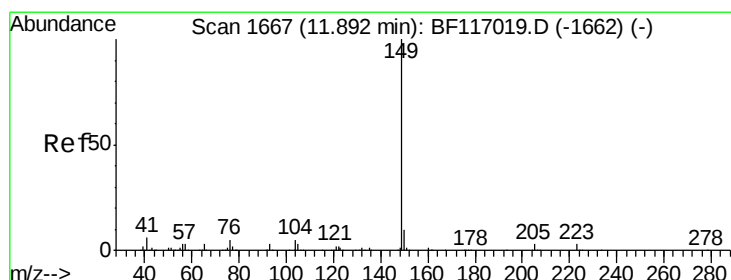
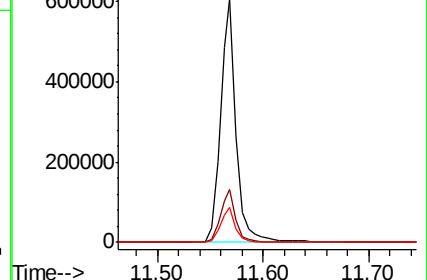
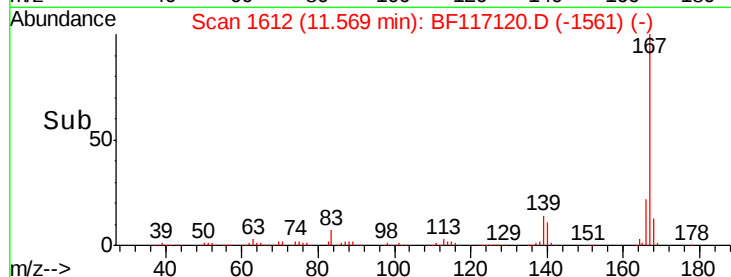
139 14.2 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 55.350 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

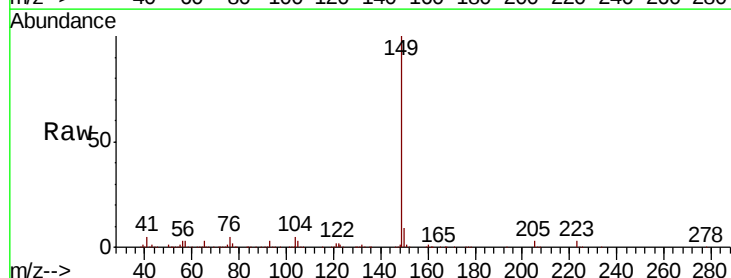
Tgt Ion:149 Resp: 760264

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

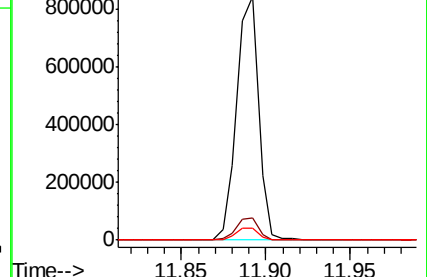
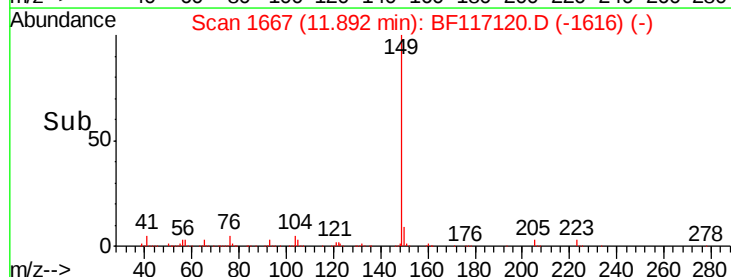
104 5.1 4.2 6.4

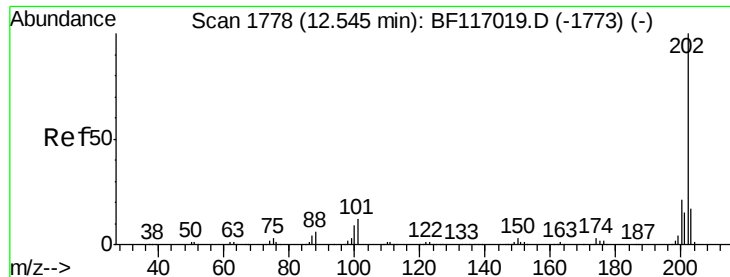


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

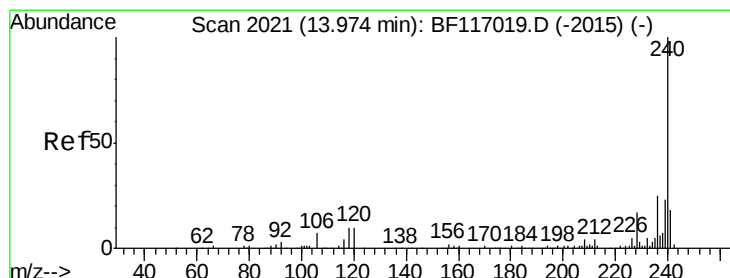
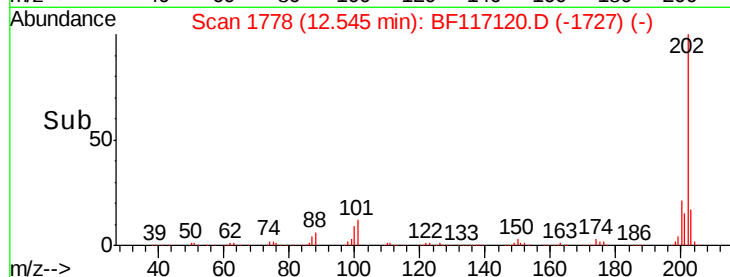
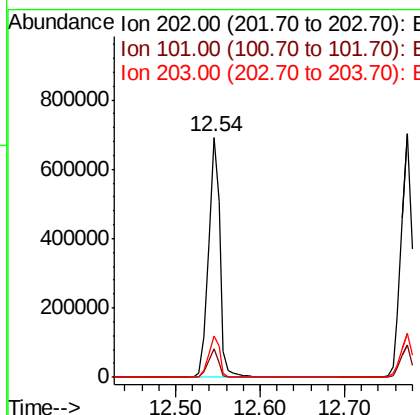
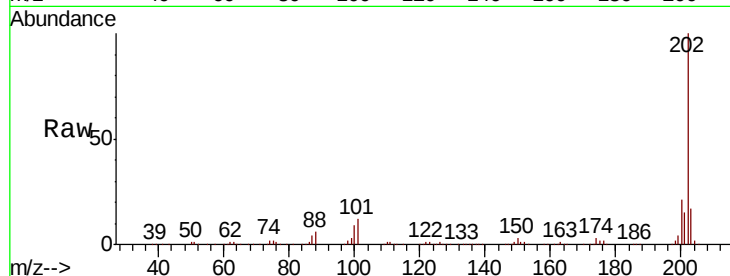




#75
 Fluoranthene
 Concen: 53.326 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

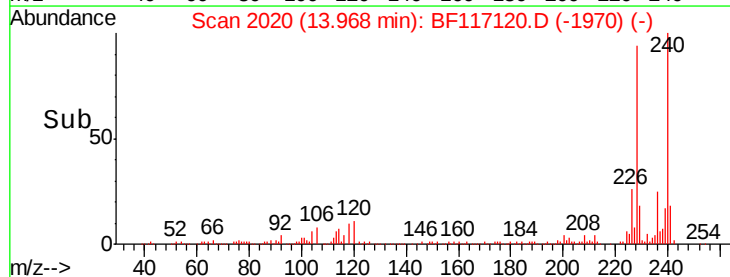
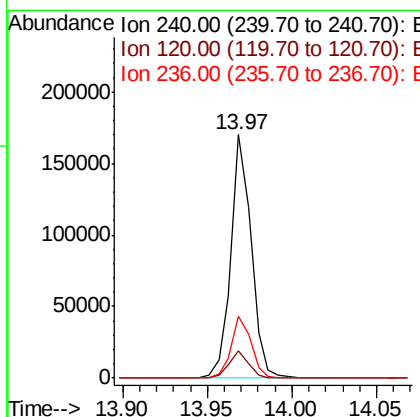
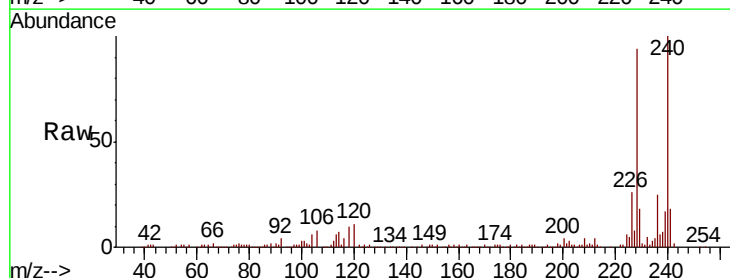
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091319MS

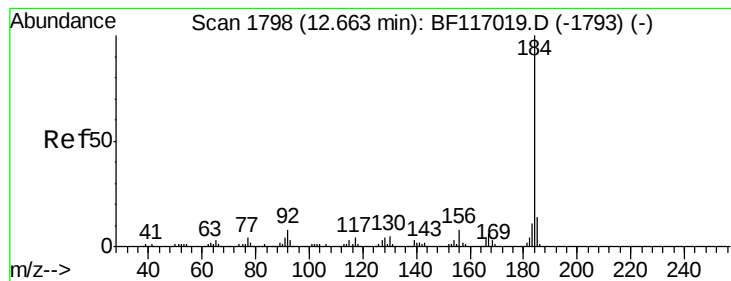
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.3
203	17.3	0.0	37.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117120.D
 Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	25.2	20.3	30.5





#77

Benzidine

Concen: 2.620 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

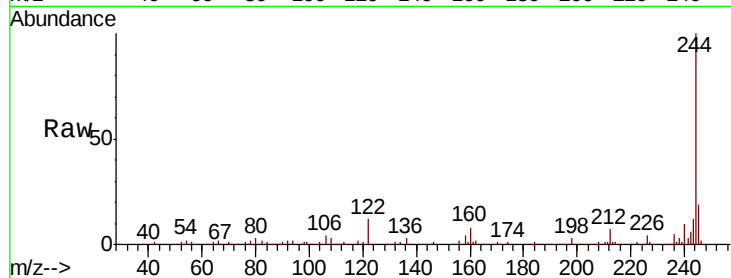
Tot Ion:184 Resp: 11965

Ion Ratio Lower Upper

184 100

185 16.8 11.6 17.4

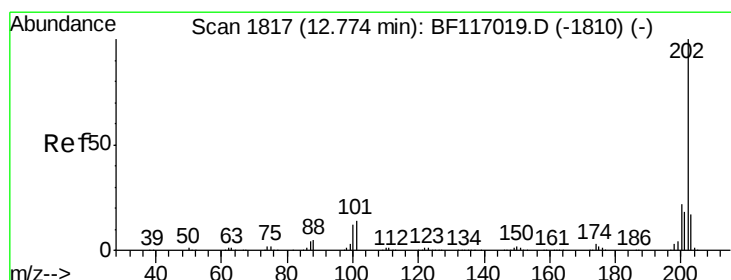
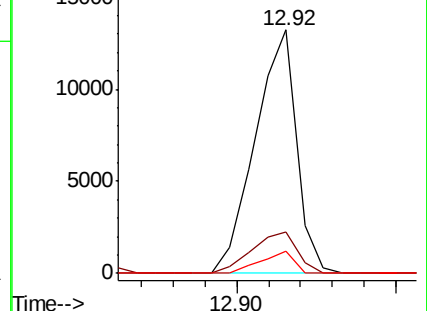
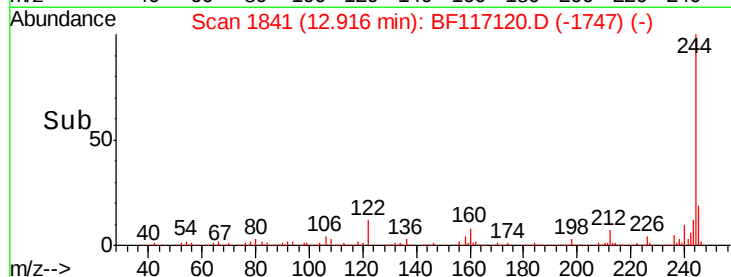
183 9.4 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 54.801 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

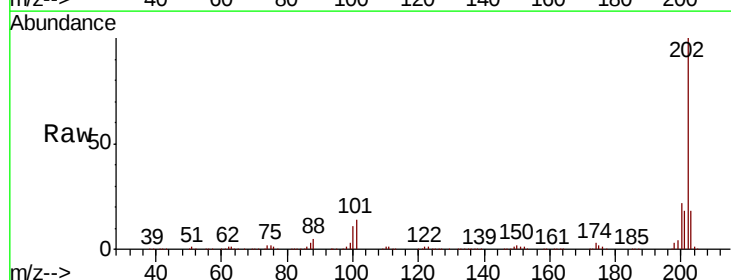
Tgt Ion:202 Resp: 651935

Ion Ratio Lower Upper

202 100

200 21.8 17.2 25.8

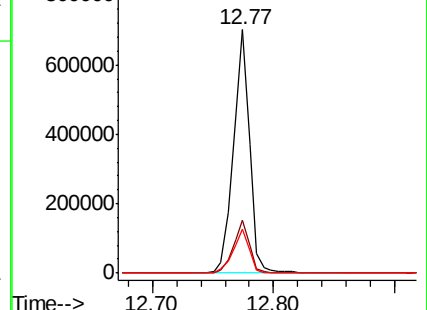
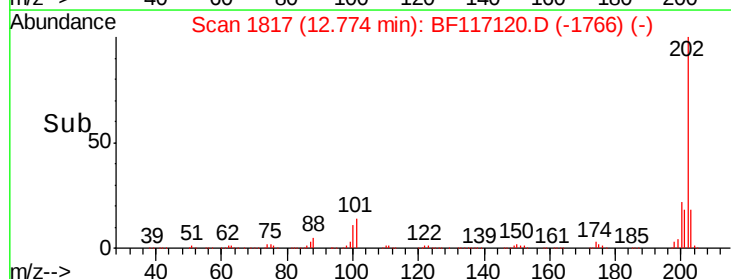
203 17.9 14.0 21.0

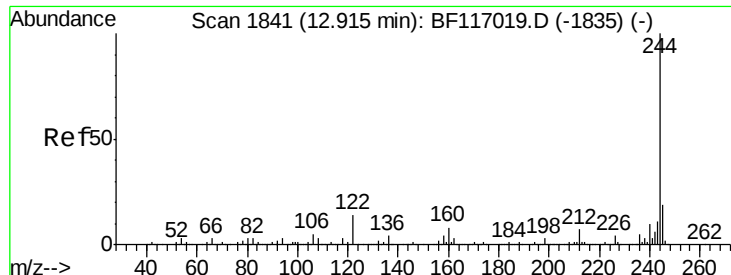


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 108.510 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

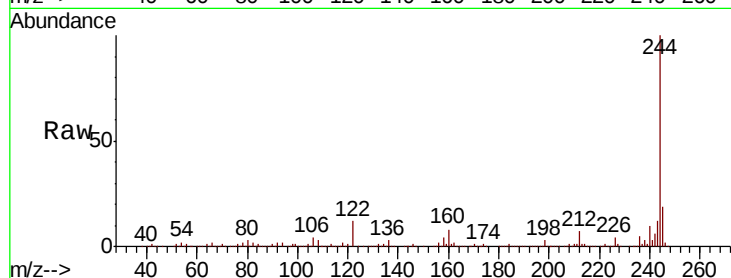
Tot Ion:244 Resp: 823043

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

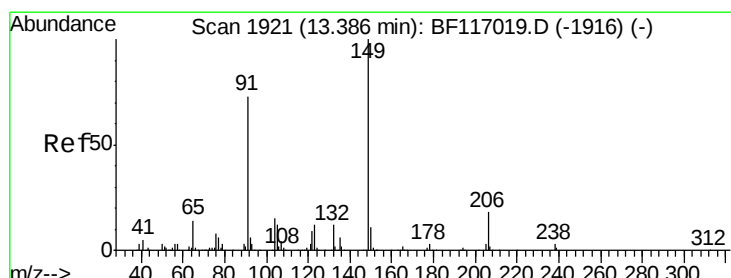
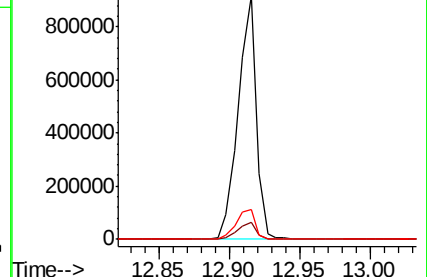
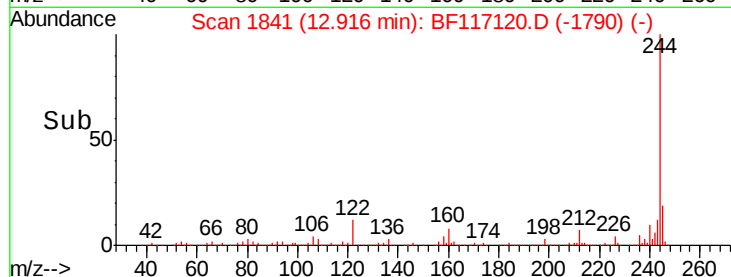
122 12.1 11.3 16.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 56.517 ng

RT: 13.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

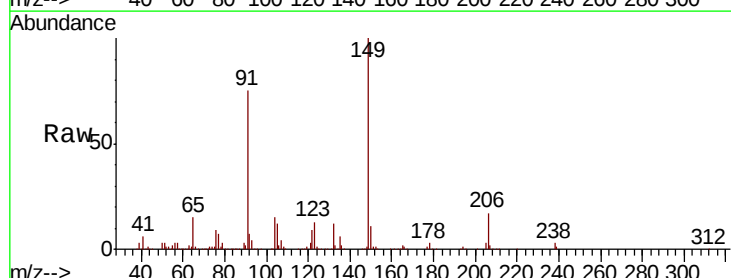
Tgt Ion:149 Resp: 317698

Ion Ratio Lower Upper

149 100

91 75.1 58.8 88.2

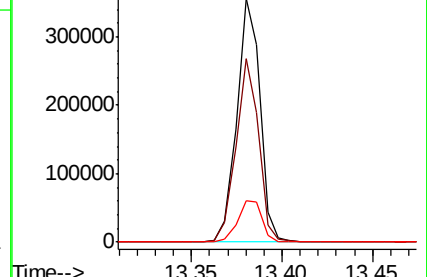
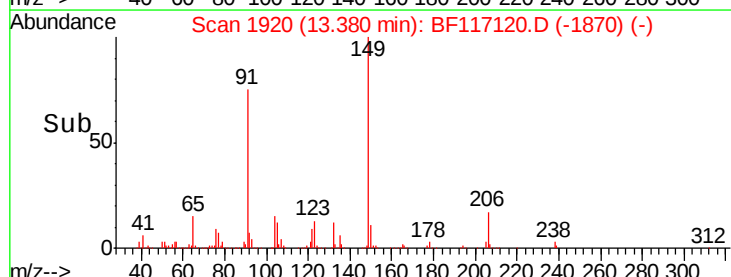
206 17.2 14.1 21.1

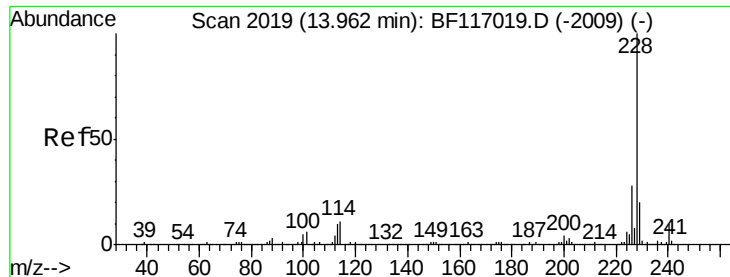


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.518 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

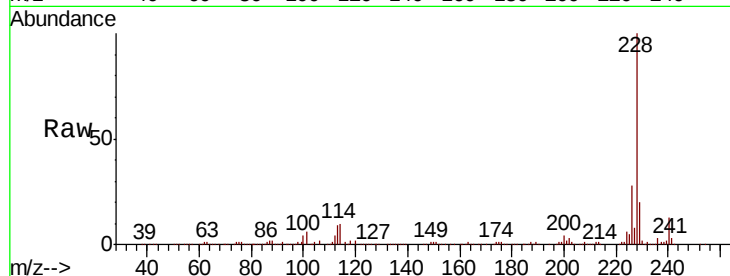
BNA_F

ClientSampleId :

HD-02-091319MS

Tot Ion:228 Resp: 497479

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	19.8	15.9	23.9

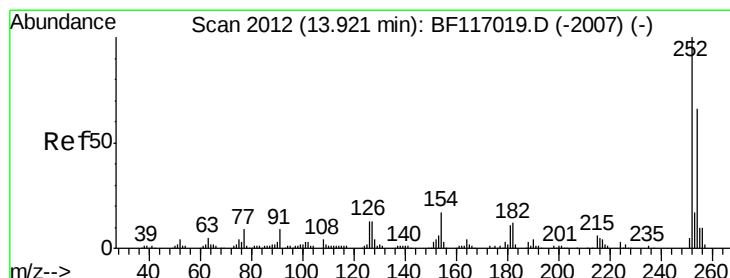
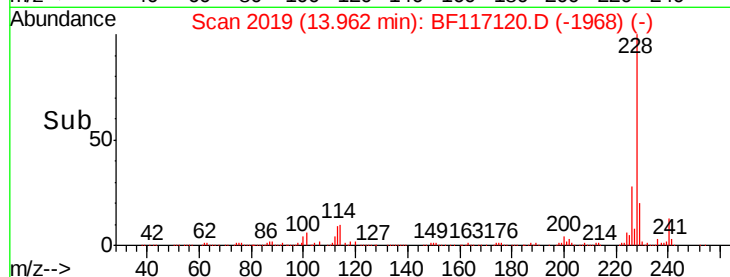
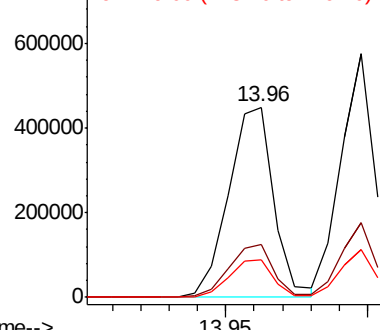


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.218 ng

RT: 13.92 min Scan# 2012

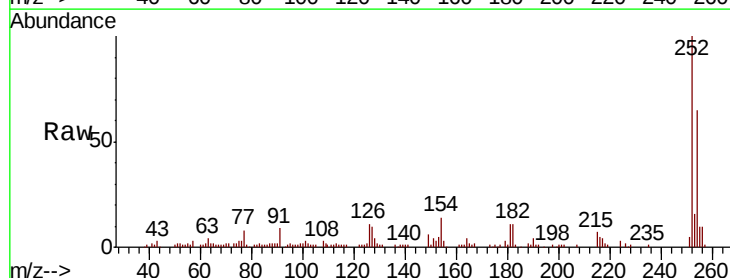
Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Tgt Ion:252 Resp: 73926

Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.6	79.0
126	11.2	10.4	15.6

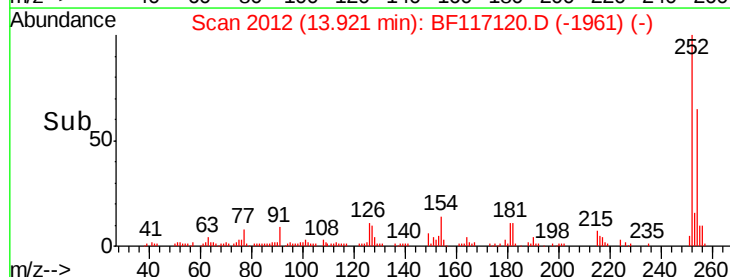
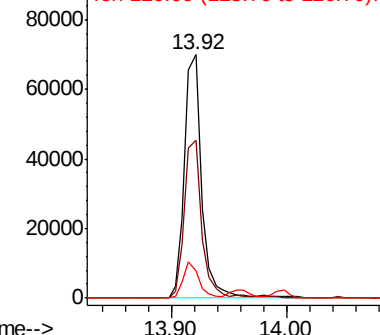


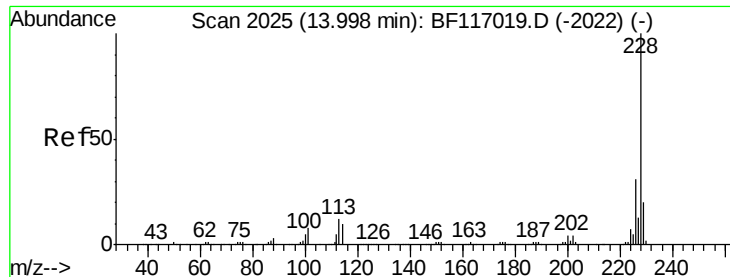
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 52.315 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

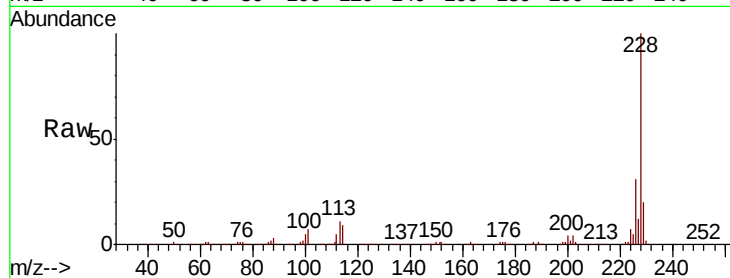
Tot Ion:228 Resp: 483324

Ion Ratio Lower Upper

228 100

226 30.6 24.8 37.2

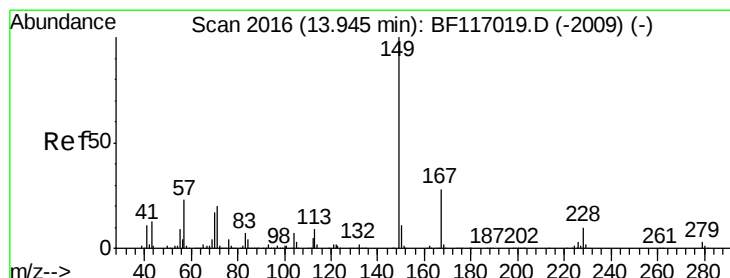
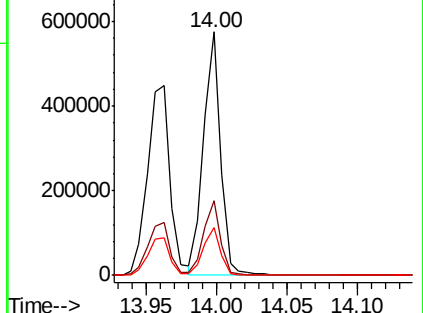
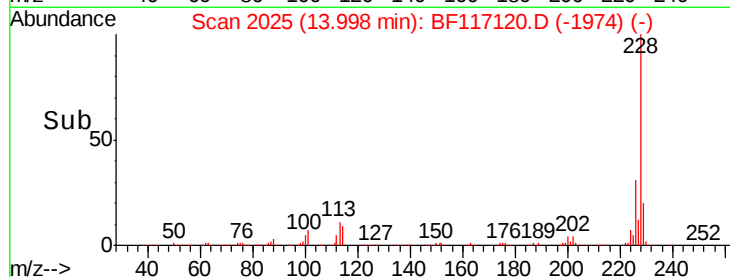
229 19.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.156 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

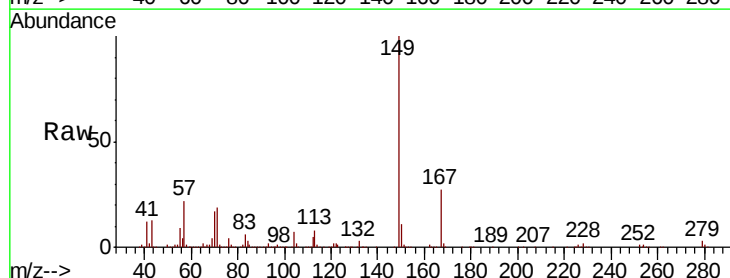
Tgt Ion:149 Resp: 428748

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.2

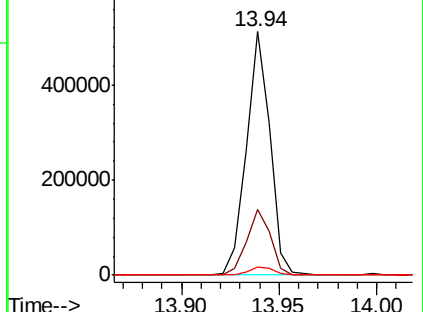
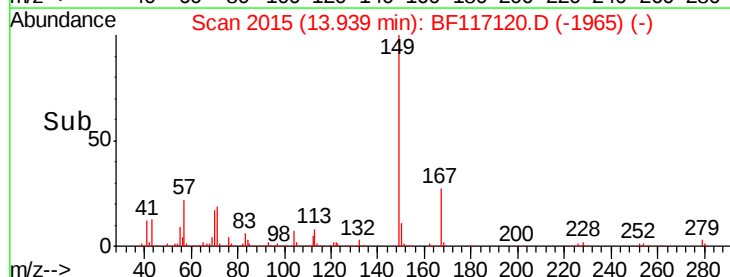
279 3.2 2.8 4.2

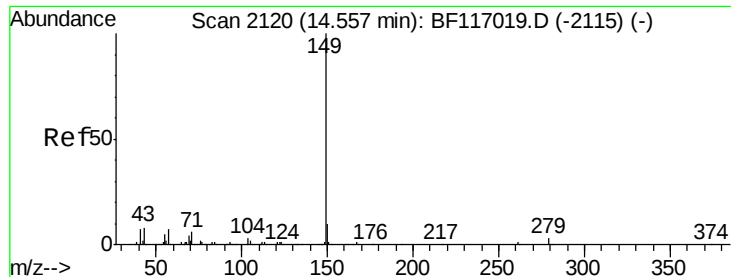


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

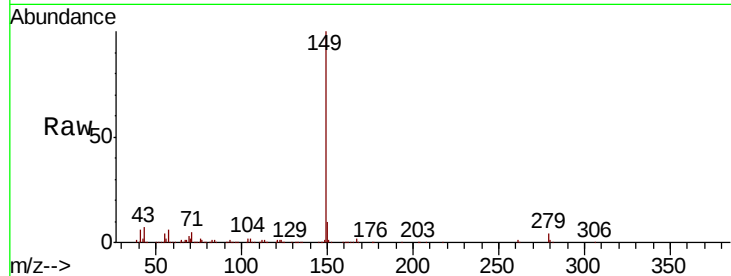




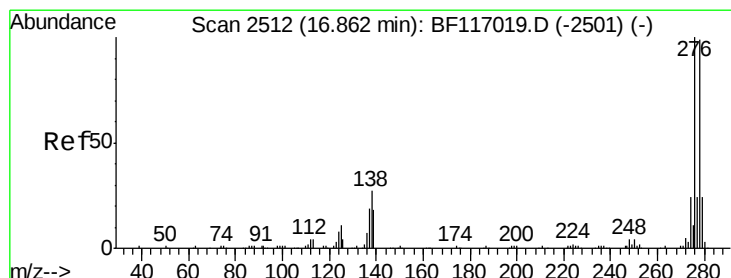
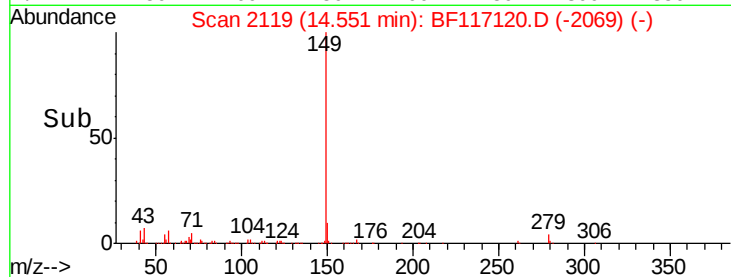
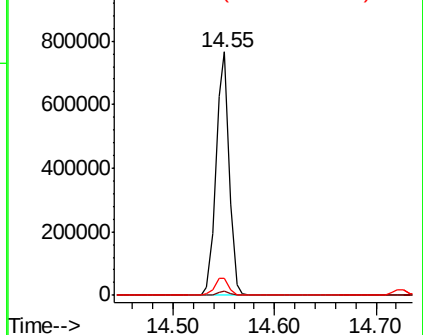
#85
Di-n-octyl phthalate
Concen: 60.445 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.3	6.2	9.4

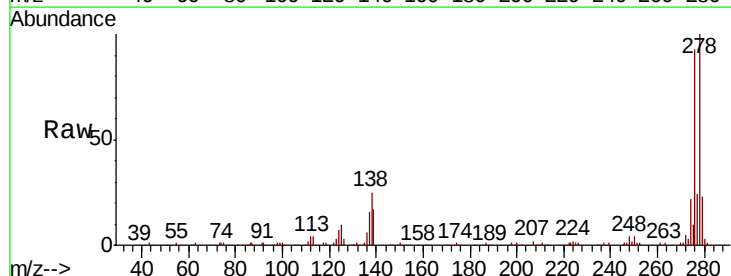


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

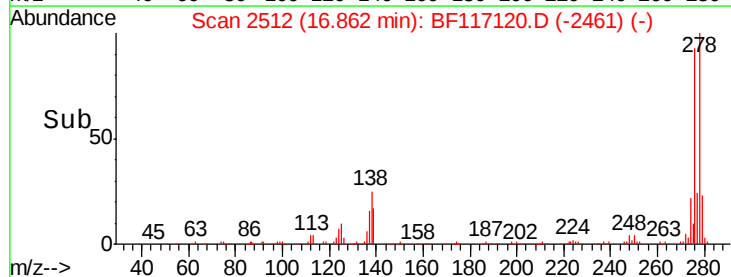
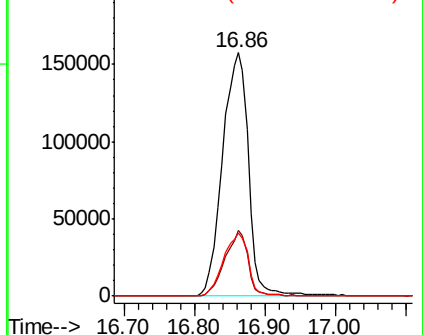


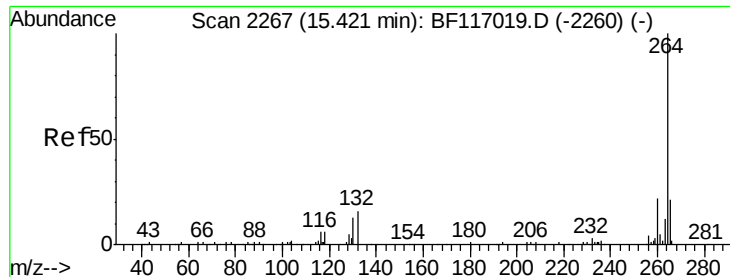
#86
Indeno(1,2,3-cd)pyrene
Concen: 59.471 ng
RT: 16.86 min Scan# 2512
Delta R.T. 0.00 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.7	31.1
277	25.2	19.8	29.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

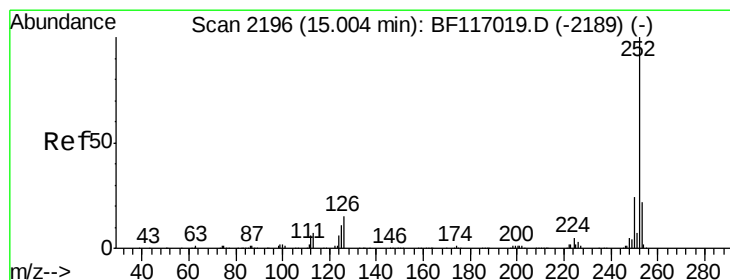
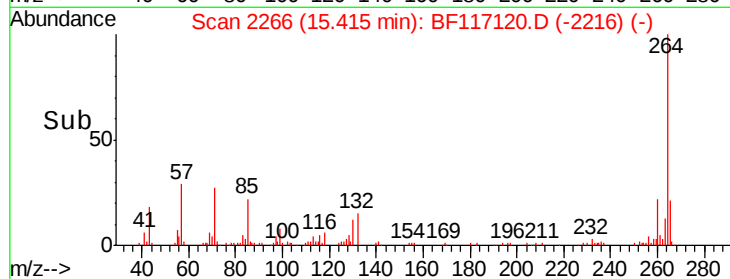
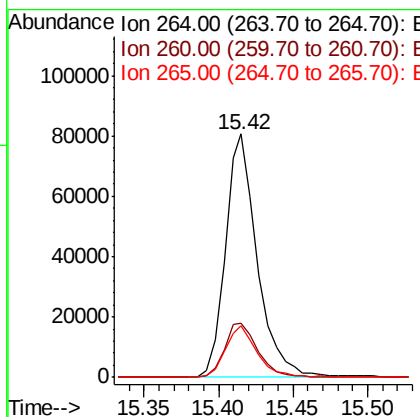
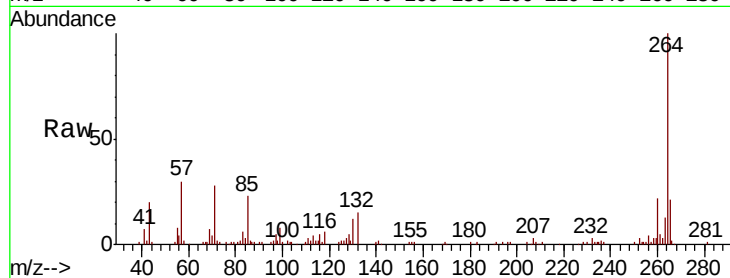




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

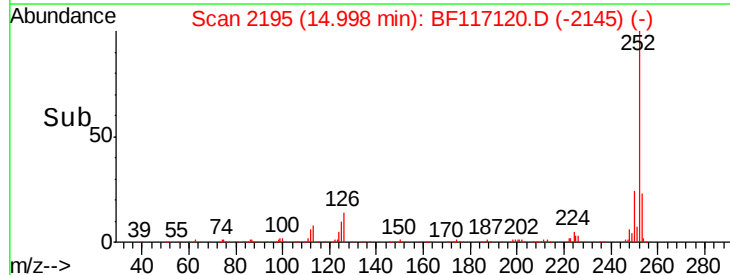
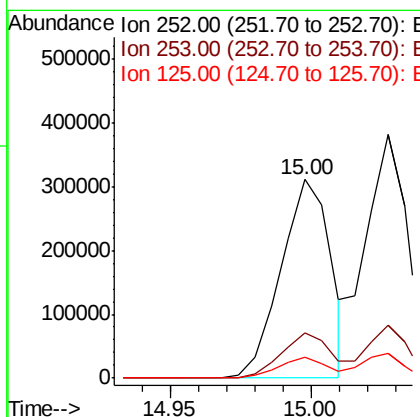
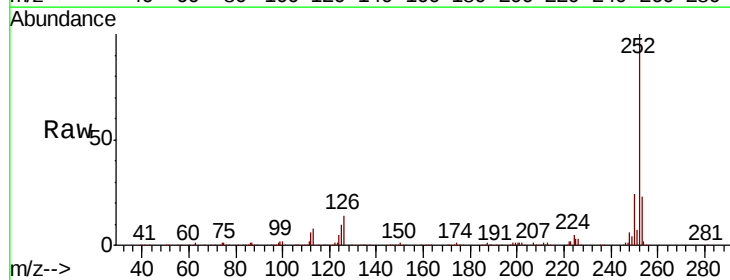
Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

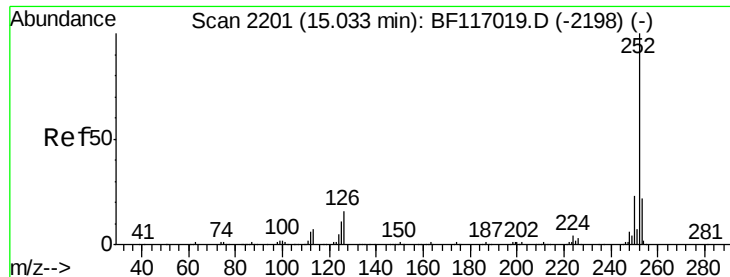
Tot	Ion:264	Resp:	120191
Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.6	26.4
265	21.4	16.6	24.8



#88
Benzo(b)fluoranthene
Concen: 52.124 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt	Ion:252	Resp:	379487
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	10.3	8.6	12.8

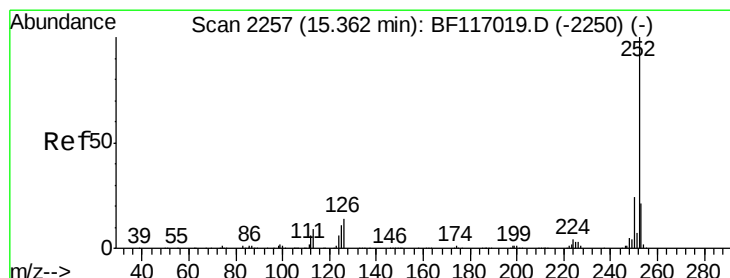
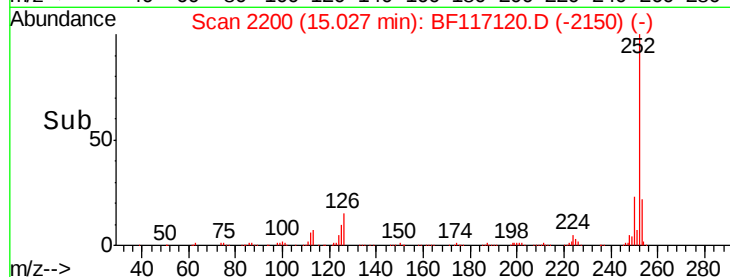
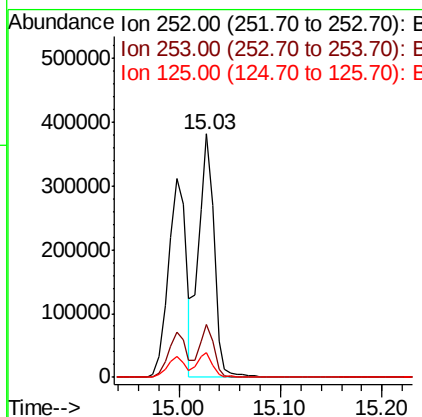
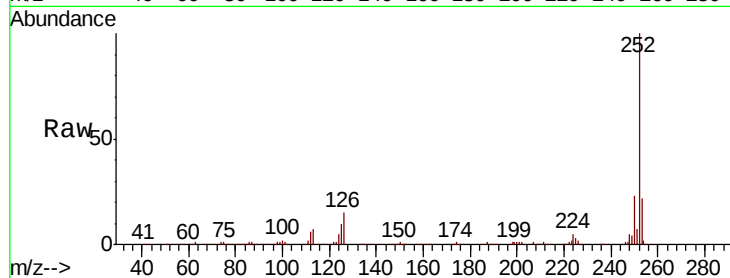




#89
Benzo(k)fluoranthene
Concen: 58.759 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

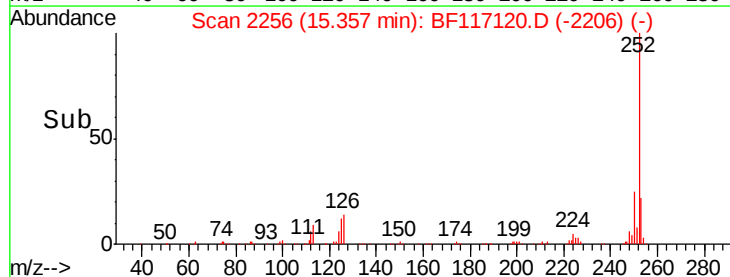
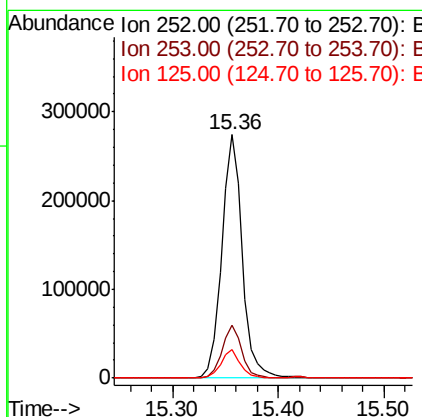
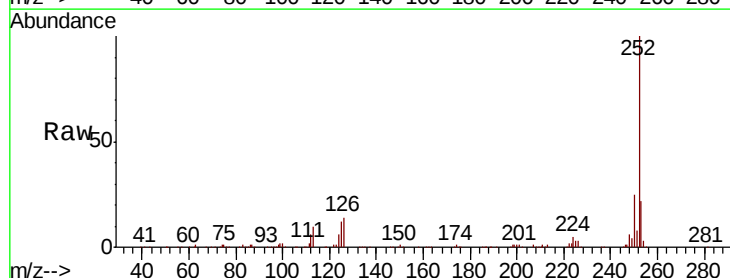
Instrument :
BNA_F
ClientSampleId :
HD-02-091319MS

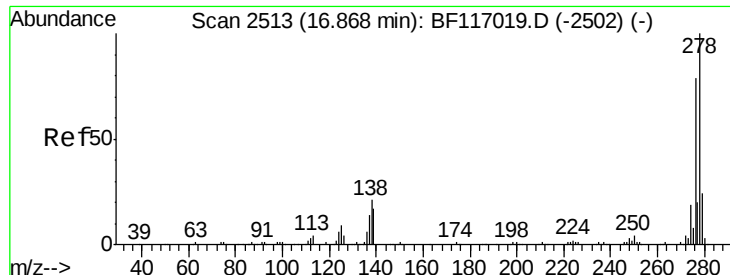
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	10.4	8.8	13.2



#90
Benzo(a)pyrene
Concen: 58.073 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117120.D
Acq: 17 Sep 2019 21:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.6	25.0
125	11.6	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 65.764 ng

RT: 16.87 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

Instrument :

BNA_F

ClientSampleId :

HD-02-091319MS

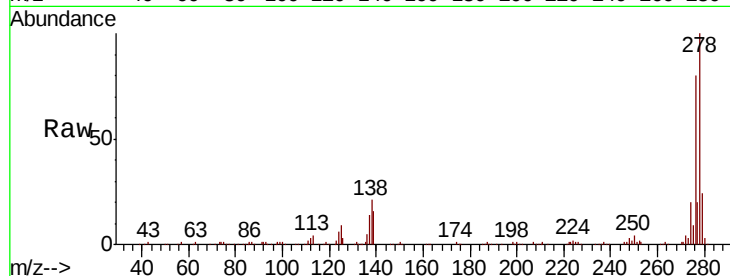
Tot Ion:278 Resp: 334699

Ion Ratio Lower Upper

278 100

139 15.7 13.5 20.3

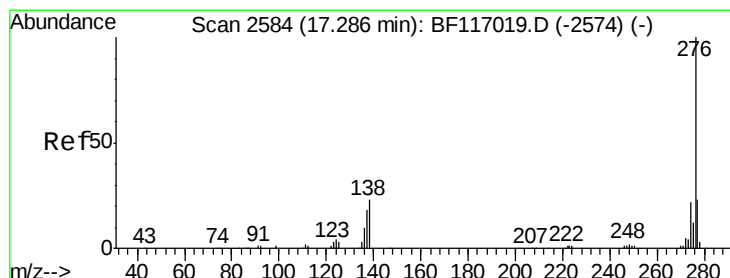
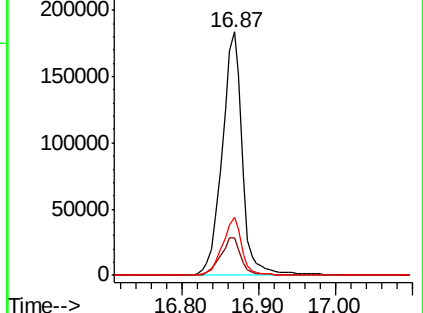
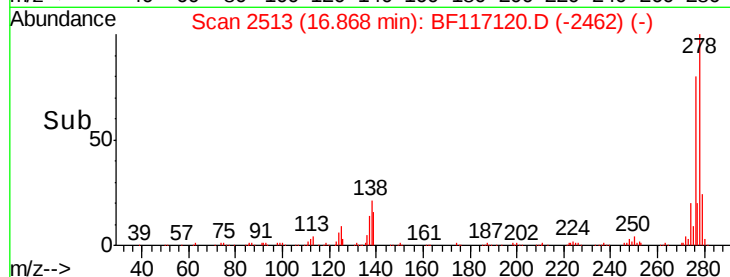
279 24.0 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 65.218 ng

RT: 17.29 min Scan# 2585

Delta R.T. 0.01 min

Lab File: BF117120.D

Acq: 17 Sep 2019 21:17

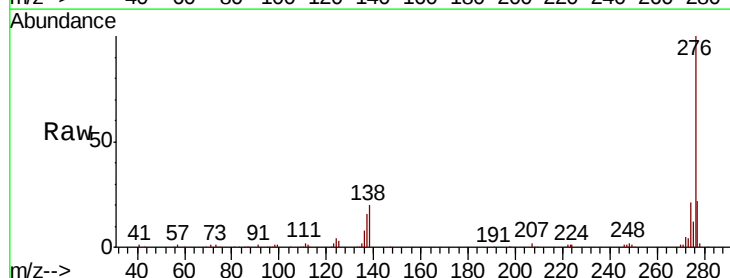
Tgt Ion:276 Resp: 330756

Ion Ratio Lower Upper

276 100

277 21.7 18.6 27.8

138 20.0 18.0 27.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

