

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117101.D
 Acq On : 17 Sep 2019 12:50
 Operator : HP/JU
 Sample : K4887-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

Quant Time: Sep 17 17:52:50 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	65425	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	259228	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	135225	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	217061	20.00	ng	0.00
76) Chrysene-d12	13.97	240	135232	20.00	ng	0.00
87) Perylene-d12	15.43	264	122669	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	226050	53.94	ng	0.00
7) Phenol-d6	6.46	99	193062	35.65	ng	0.00
23) Nitrobenzene-d5	7.39	82	477508	96.79	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	164363	145.43	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	837324	96.82	ng	0.00
79) Terphenyl-d14	12.92	244	770308	106.47	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.58	88	22635	12.908	ng	95
3) Pyridine	3.36	79	31962	6.659	ng	96
4) n-Nitrosodimethylamine	3.26	42	21084	12.801	ng	# 98
6) Aniline	6.49	93	115369	16.546	ng	100
8) 2-Chlorophenol	6.62	128	165304	36.565	ng	97
9) Benzaldehyde	6.37	77	179414	74.425	ng	# 86
10) Phenol	6.47	94	86025	14.409	ng	97
11) bis(2-Chloroethyl)ether	6.56	93	188742	43.013	ng	97
12) 1,3-Dichlorobenzene	6.77	146	186233	36.711	ng	96
13) 1,4-Dichlorobenzene	6.84	146	195348	37.734	ng	99
14) 1,2-Dichlorobenzene	7.00	146	181577	37.672	ng	98
15) Benzyl Alcohol	6.97	79	109518	26.371	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	185580	42.807	ng	88
17) 2-Methylphenol	7.09	107	111518	29.433	ng	# 93
18) Hexachloroethane	7.33	117	81193	40.768	ng	97
19) n-Nitroso-di-n-propylamine	7.24	70	156664	47.506	ng	97
20) 3+4-Methylphenols	7.23	107	122348	25.925	ng	# 45
22) Acetophenone	7.23	105	338967	51.466	ng	# 96
24) Nitrobenzene	7.41	77	233604	47.946	ng	93
25) Isophorone	7.65	82	432067	49.461	ng	99
26) 2-Nitrophenol	7.72	139	107233	51.239	ng	97
27) 2,4-Dimethylphenol	7.76	122	165144	49.761	ng	96
28) bis(2-Chloroethoxy)methane	7.85	93	255317	47.439	ng	100
29) 2,4-Dichlorophenol	7.97	162	162028	46.594	ng	98
30) 1,2,4-Trichlorobenzene	8.05	180	155187	41.307	ng	99
31) Naphthalene	8.13	128	645448	51.771	ng	99
32) Benzoic acid	7.85	122	19960	13.465	ng	# 86
33) 4-Chloroaniline	8.17	127	134683	24.357	ng	99
34) Hexachlorobutadiene	8.25	225	83529	39.188	ng	99
35) Caprolactam	8.55	113	7099	6.031	ng	92
36) 4-Chloro-3-methylphenol	8.65	107	176353	43.493	ng	97
37) 2-Methylnaphthalene	8.82	142	421760	50.237	ng	100
38) 1-Methylnaphthalene	8.92	142	399706	50.834	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	157483	45.100	ng	98

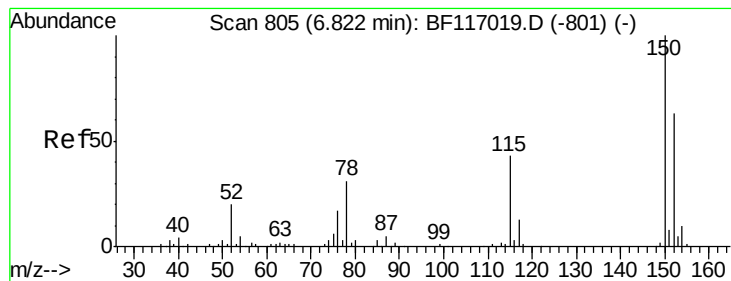
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117101.D
 Acq On : 17 Sep 2019 12:50
 Operator : HP/JU
 Sample : K4887-02MS
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Instrument :
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 Quant Title : ASP BNA STANDARDS FOR 5 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)
41) Hexachlorocyclopentadiene	8.97	237	119368	77.598	nq	97
43) 2,4,6-Trichlorophenol	9.10	196	111730	47.150	nq	97
44) 2,4,5-Trichlorophenol	9.14	196	120098	47.436	nq	97
46) 1,1'-Biphenyl	9.28	154	495035	46.670	nq	99
47) 2-Chloronaphthalene	9.30	162	389395	46.516	nq	99
48) 2-Nitroaniline	9.40	65	130193	48.488	nq	91
49) Acenaphthylene	9.72	152	618679	49.334	nq	99
50) Dimethylphthalate	9.57	163	485527	50.710	nq	100
51) 2,6-Dinitrotoluene	9.64	165	104268	53.470	nq #	87
52) Acenaphthene	9.89	154	359523	48.363	nq	99
53) 3-Nitroaniline	9.81	138	71645	29.120	nq	100
54) 2,4-Dinitrophenol	9.93	184	74858	87.883	nq	91
55) Dibenzofuran	10.06	168	548783	50.034	nq	100
56) 4-Nitrophenol	9.98	139	42785	26.831	nq	97
57) 2,4-Dinitrotoluene	10.05	165	141250	55.802	nq	98
58) Fluorene	10.40	166	448432	50.755	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	95691	49.390	nq #	98
60) Diethylphthalate	10.27	149	472266	50.136	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	190651	49.874	nq	99
62) 4-Nitroaniline	10.42	138	108526	42.415	nq	97
63) Azobenzene	10.55	77	485250	50.438	nq	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	54876	54.409	nq	84
66) n-Nitrosodiphenylamine	10.51	169	394724	52.655	nq	97
67) 4-Bromophenyl-phenylether	10.88	248	111288	50.204	nq	98
68) Hexachlorobenzene	10.96	284	115601	47.679	nq	99
69) Atrazine	11.04	200	101603	59.393	nq	98
70) Pentachlorophenol	11.15	266	108613	95.568	nq	98
71) Phenanthrene	11.36	178	621001	50.369	nq	100
72) Anthracene	11.42	178	647745	51.462	nq	97
73) Carbazole	11.57	167	612897	51.299	nq	99
74) Di-n-butylphthalate	11.89	149	725584	51.044	nq	99
75) Fluoranthene	12.55	202	635262	50.147	nq	97
77) Benzdine	12.66	184	80286	18.430	nq	99
78) Pyrene	12.77	202	638427	56.264	nq	99
80) Butylbenzylphthalate	13.39	149	290945	54.264	nq	93
81) Benzo(a)anthracene	13.96	228	458368	50.732	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	108954	37.422	nq	97
83) Chrysene	14.00	228	451031	51.183	nq	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	386339	55.885	nq	98
85) Di-n-octyl phthalate	14.56	149	583516	53.629	nq	99
86) Indeno(1,2,3-cd)pyrene	16.88	276	385333	59.937	nq	99
88) Benzo(b)fluoranthene	15.01	252	354709	47.737	nq	98
89) Benzo(k)fluoranthene	15.04	252	355890	50.562	nq	99
90) Benzo(a)pyrene	15.37	252	338798	51.960	nq	100
91) Dibenzo(a,h)anthracene	16.89	278	328014	63.148	nq	98
92) Benzo(g,h,i)perylene	17.31	276	322731	62.350	nq	97

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

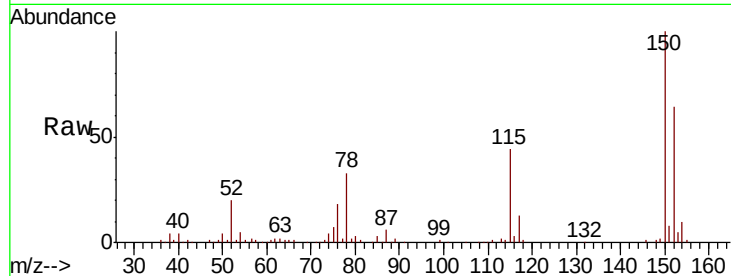


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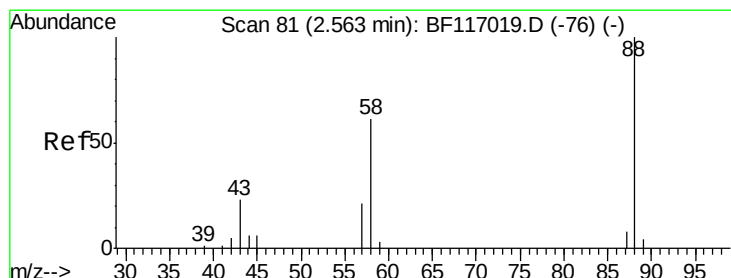
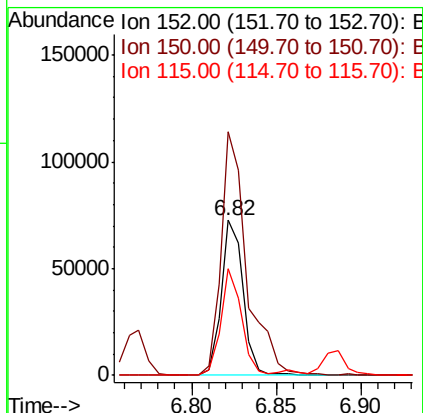
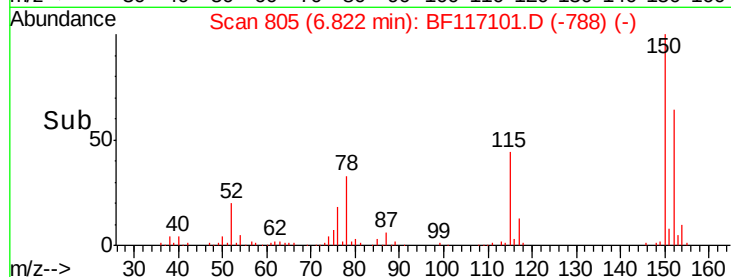
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:152 Resp: 65425
Ion Ratio Lower Upper
152 100
150 156.9 127.5 191.3
115 68.5 55.0 82.4



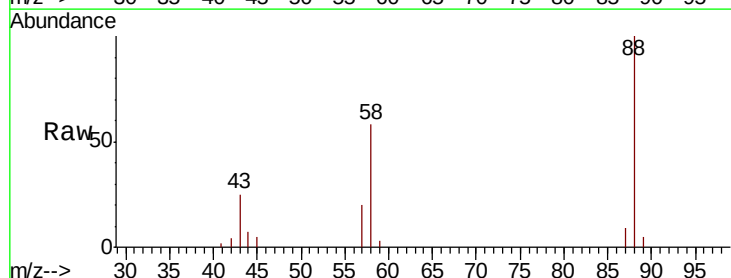
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



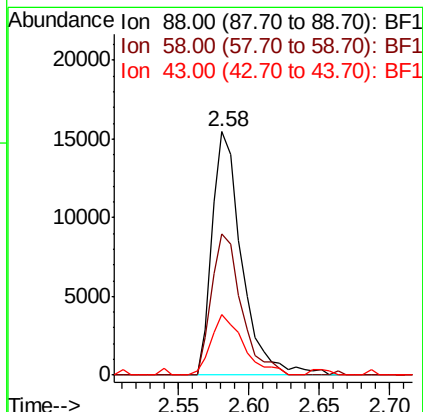
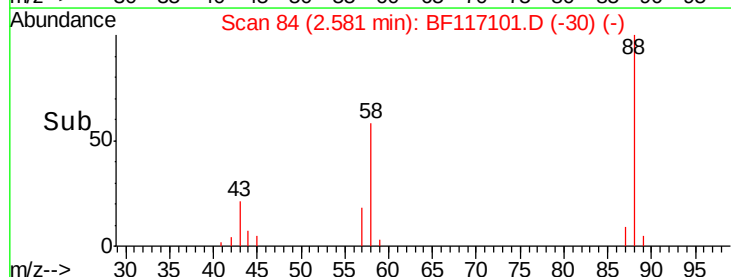
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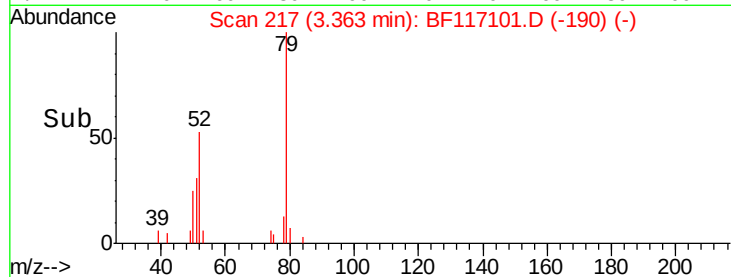
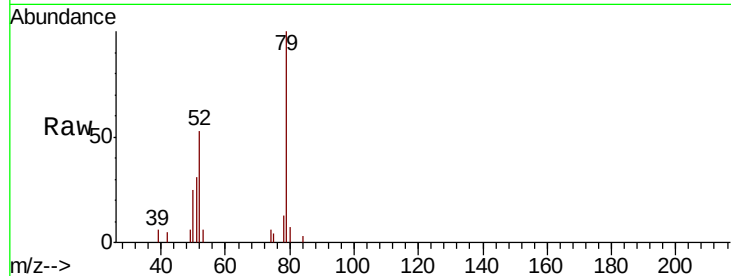
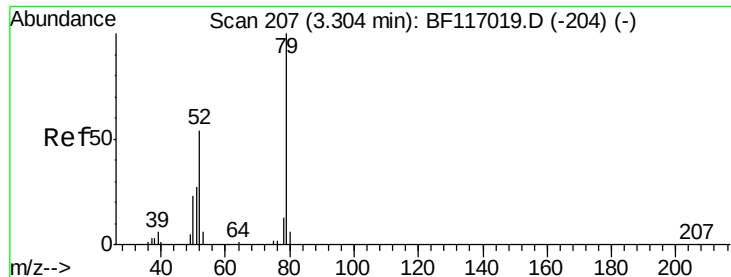
1,4-Dioxane
Concen: 12.908 ng
RT: 2.58 min Scan# 84
Delta R.T. 0.02 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion: 88 Resp: 22635
Ion Ratio Lower Upper
88 100
58 58.3 49.3 73.9
43 27.3 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

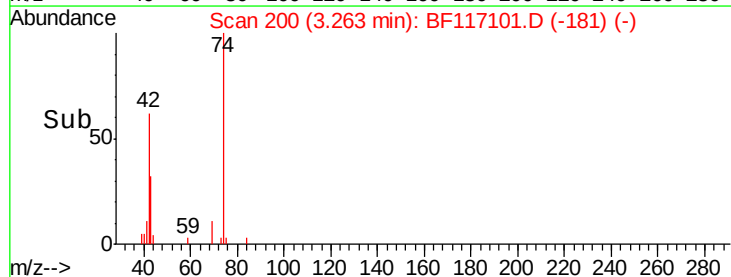
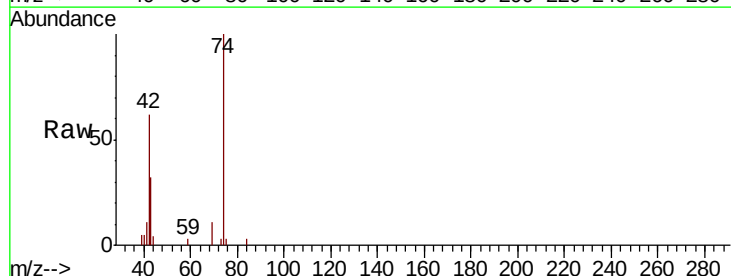
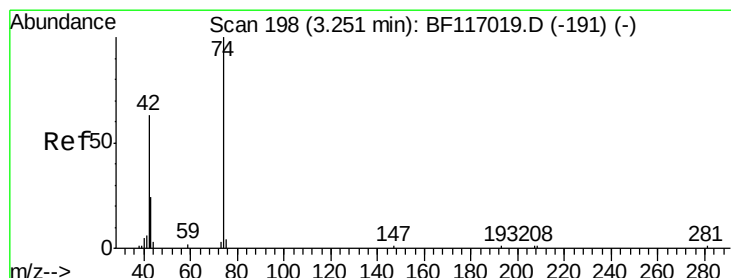
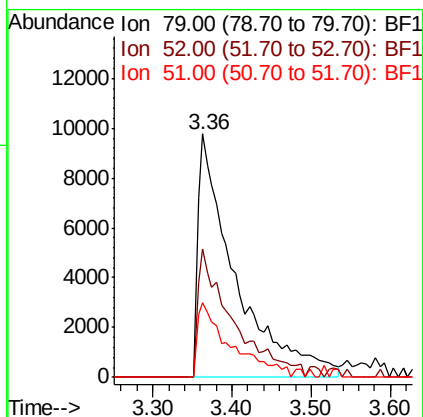




#3
 Pvridine
 Concen: 6.659 ng
 RT: 3.36 min Scan# 217
 Delta R.T. 0.06 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

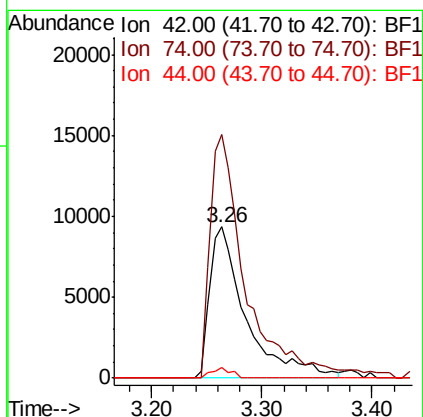
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

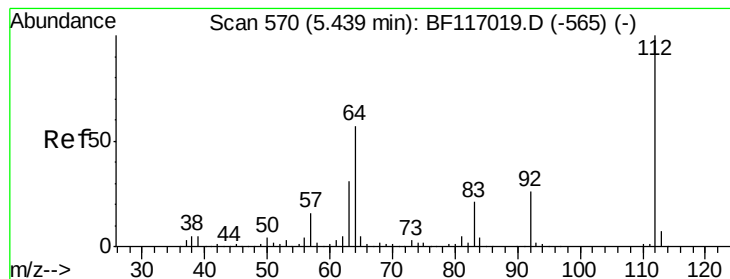
Tot Ion: 79 Resp: 31962
 Ion Ratio Lower Upper
 79 100
 52 52.6 43.5 65.3
 51 30.8 21.8 32.6



#4
 n-Nitrosodimethylamine
 Concen: 12.801 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion: 42 Resp: 21084
 Ion Ratio Lower Upper
 42 100
 74 161.4 127.1 190.7
 44 6.7 4.3 6.5#





#5

2-Fluorophenol

Concen: 53.943 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

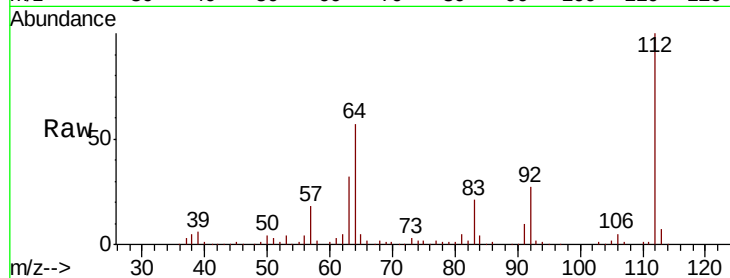
Tot Ion:112 Resp: 226050

Ion Ratio Lower Upper

112 100

64 57.3 45.7 68.5

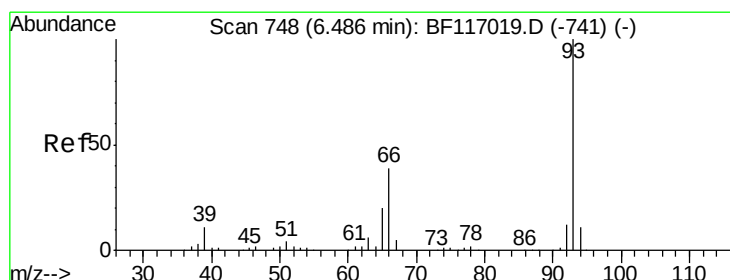
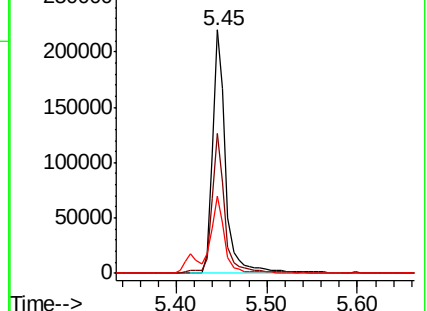
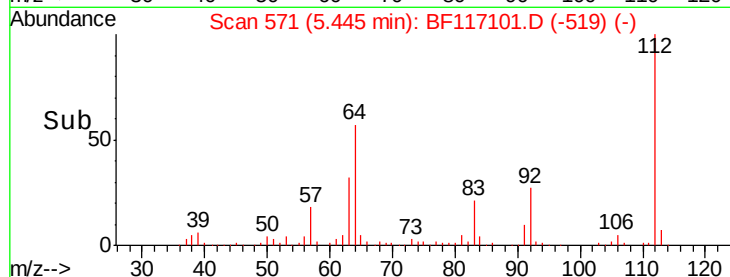
63 31.6 24.9 37.3



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: 16.546 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

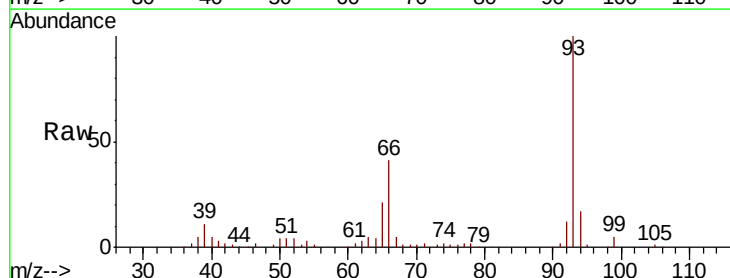
Tgt Ion: 93 Resp: 115369

Ion Ratio Lower Upper

93 100

66 40.7 32.6 49.0

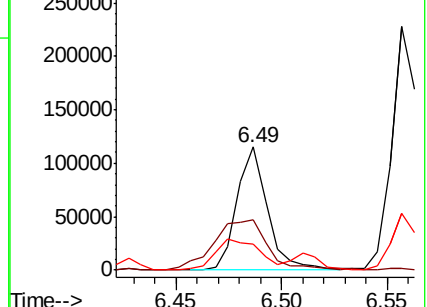
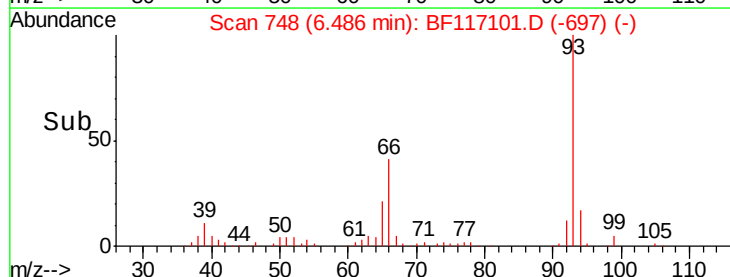
65 21.1 16.7 25.1

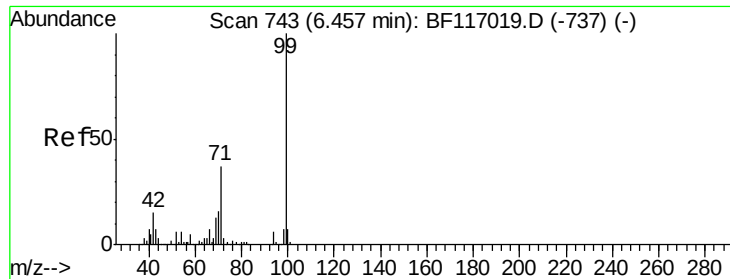


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 35.649 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

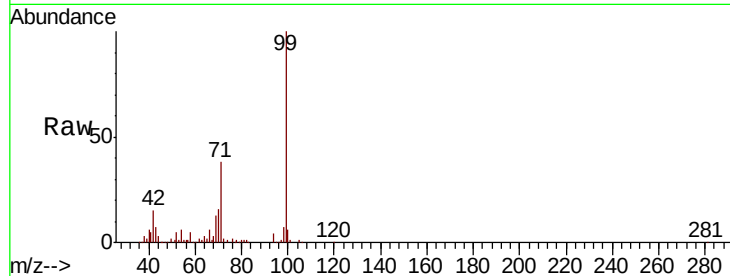
Tot Ion: 99 Resp: 193062

Ion Ratio Lower Upper

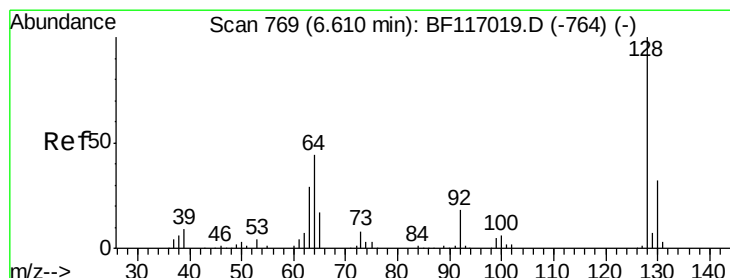
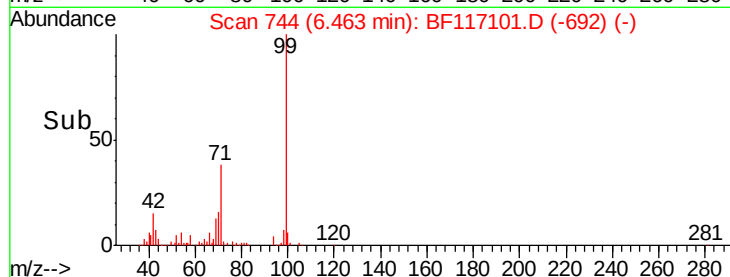
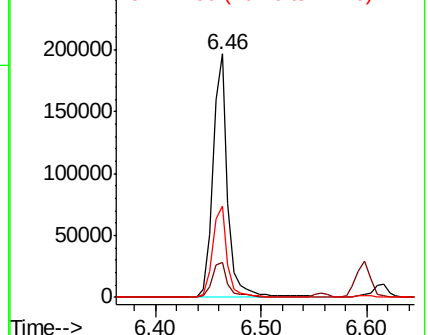
99 100

42 14.5 12.2 18.2

71 37.6 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: 36.565 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

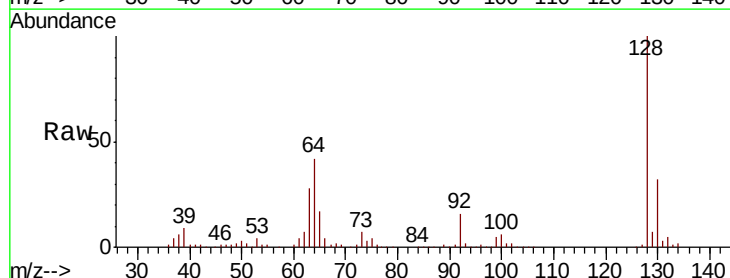
Tgt Ion: 128 Resp: 165304

Ion Ratio Lower Upper

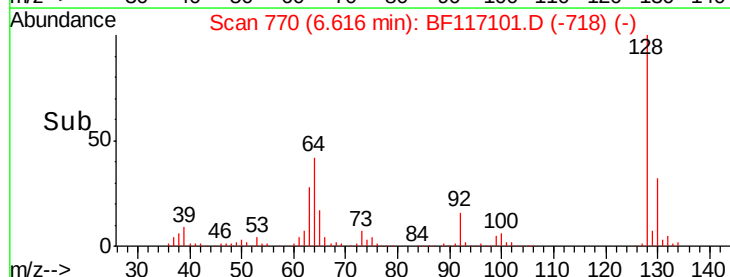
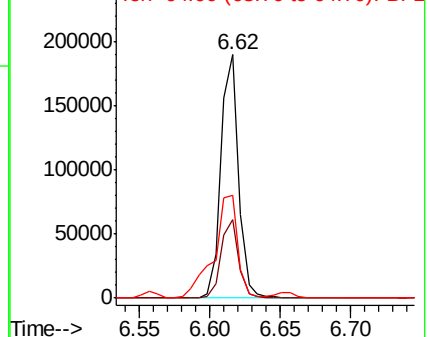
128 100

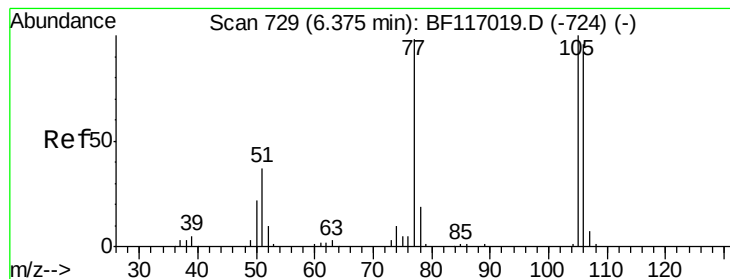
130 32.2 11.8 51.8

64 42.1 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: 74.425 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

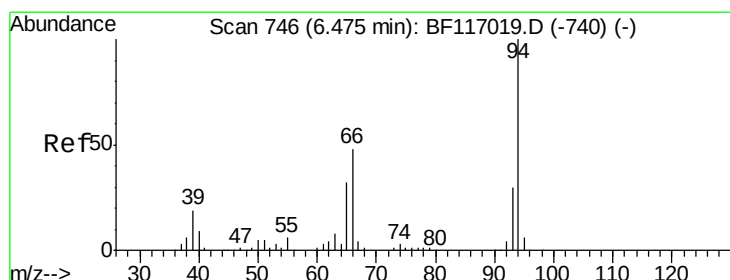
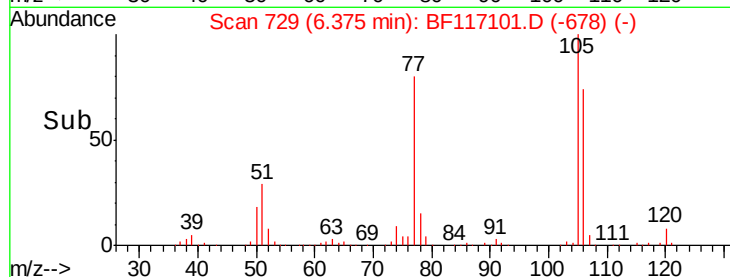
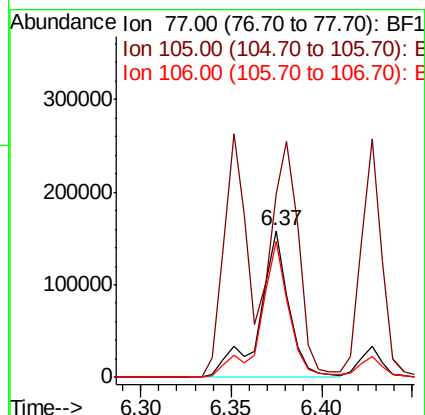
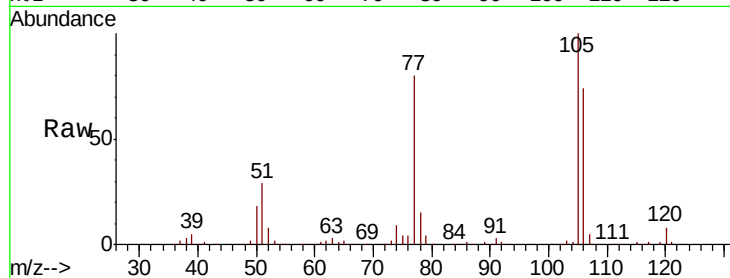
Tot Ion: 77 Resp: 179414

Ion Ratio Lower Upper

77 100

105 125.2 81.8 121.8#

106 93.0 77.3 117.3



#10

Phenol

Concen: 14.409 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

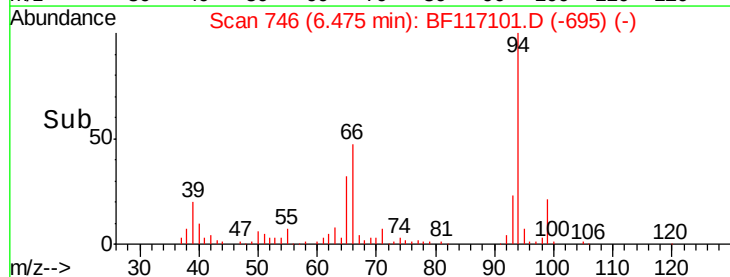
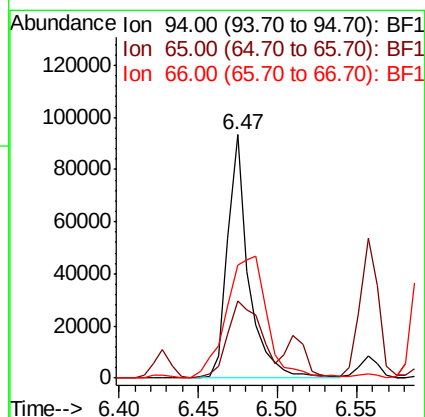
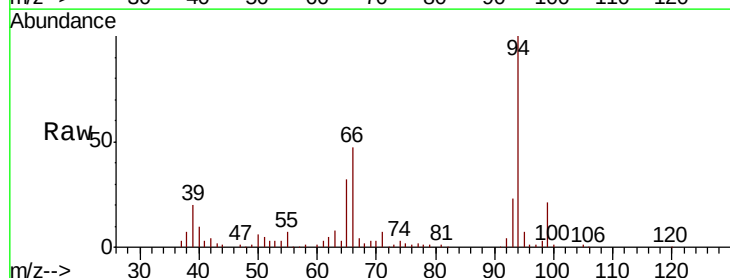
Tgt Ion: 94 Resp: 86025

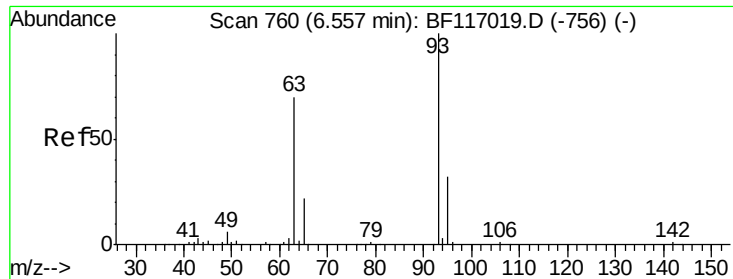
Ion Ratio Lower Upper

94 100

65 31.6 12.5 52.5

66 46.6 28.9 68.9





#11

bis(2-Chloroethyl)ether

Concen: 43.013 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

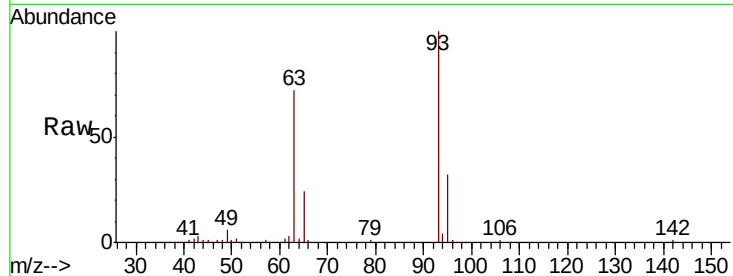
Tot Ion: 93 Resp: 188742

Ion Ratio Lower Upper

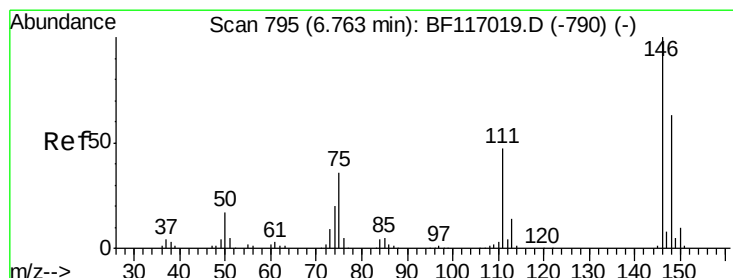
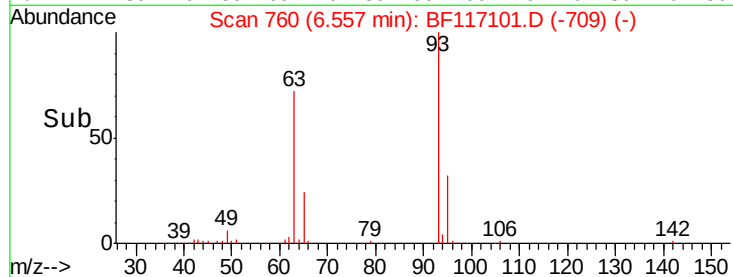
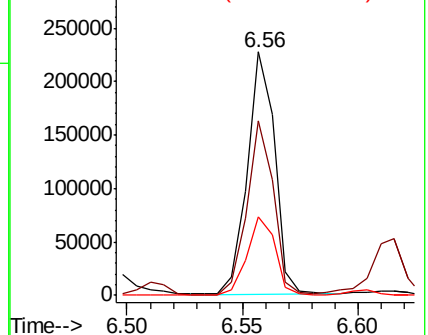
93 100

63 71.8 49.3 89.3

95 32.3 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: 36.711 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

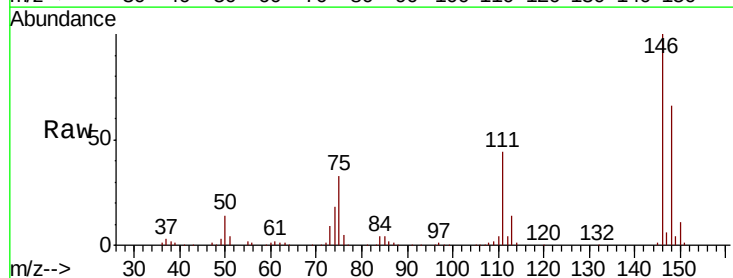
Tgt Ion: 146 Resp: 186233

Ion Ratio Lower Upper

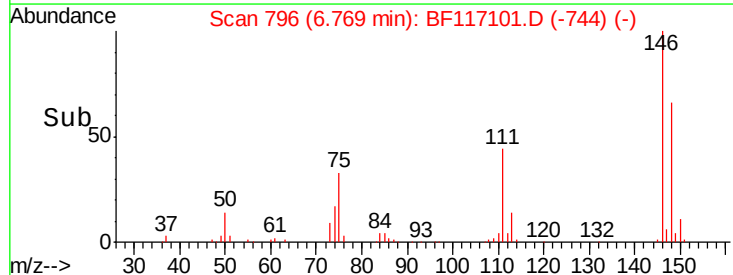
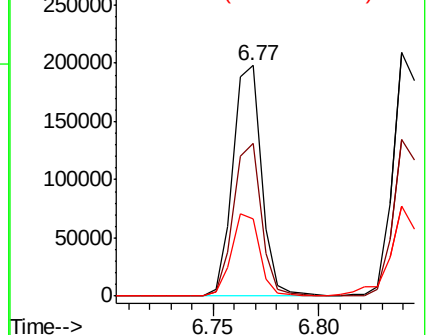
146 100

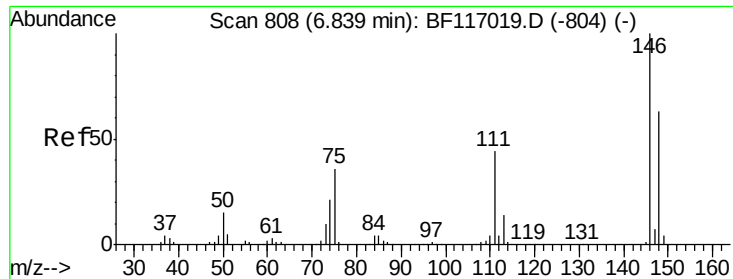
148 66.2 50.8 76.2

75 33.3 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: 37.734 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

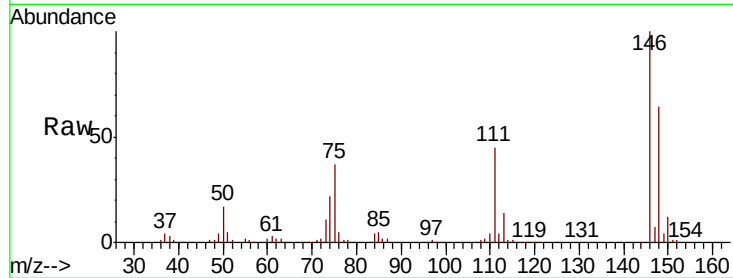
Tot Ion:146 Resp: 195348

Ion Ratio Lower Upper

146 100

148 64.1 50.6 76.0

111 45.2 35.0 52.6

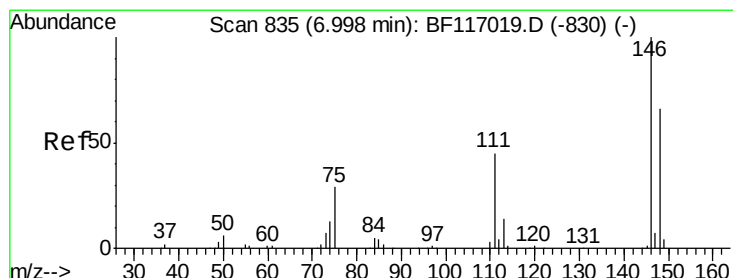
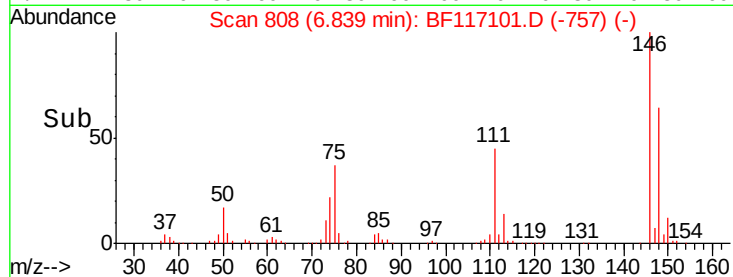
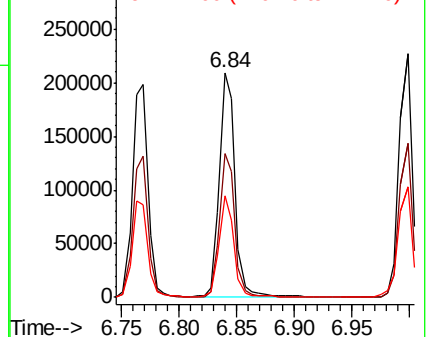


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.672 ng

RT: 7.00 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

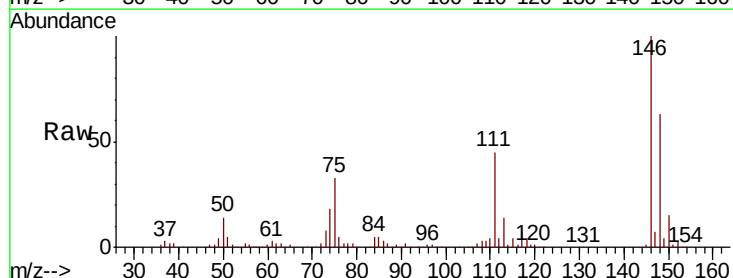
Tgt Ion:146 Resp: 181577

Ion Ratio Lower Upper

146 100

148 63.4 52.6 78.8

111 45.4 36.2 54.2

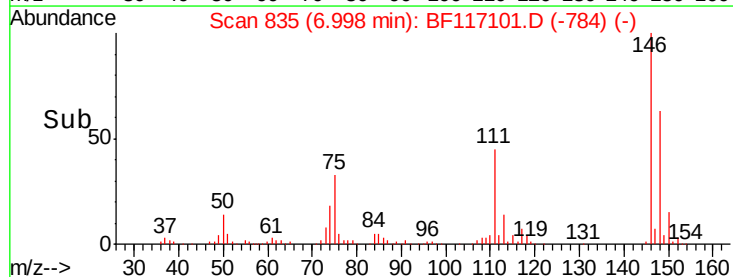
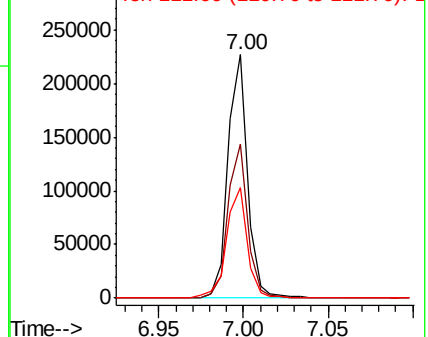


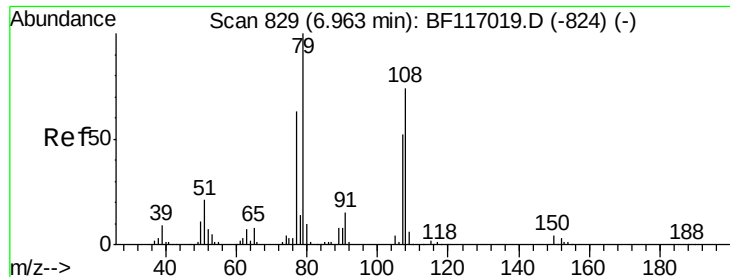
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 26.371 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

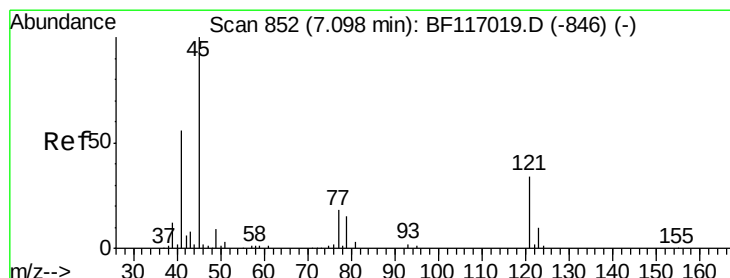
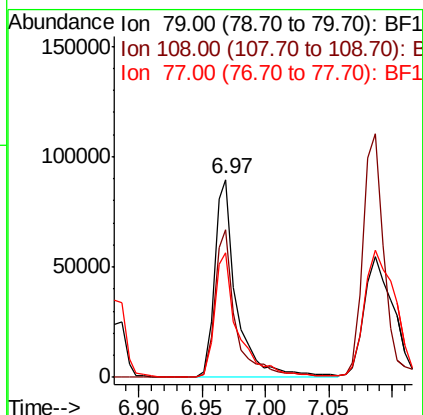
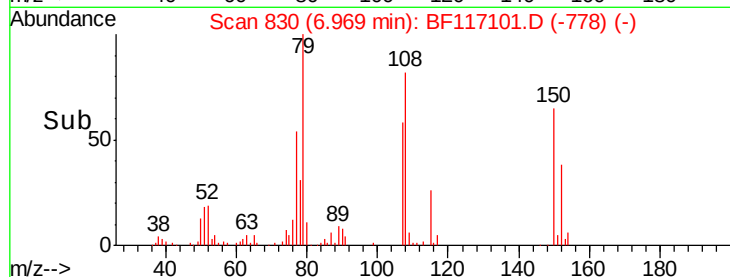
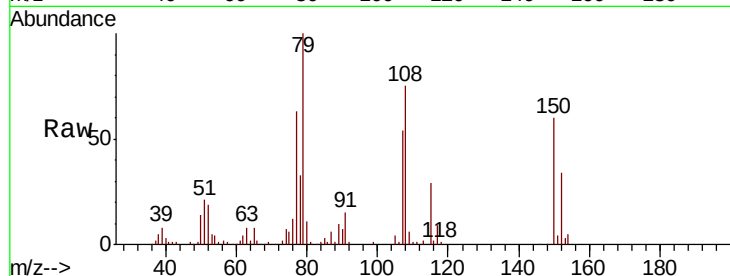
Tot Ion: 79 Resp: 109518

Ion Ratio Lower Upper

79 100

108 74.8 59.4 89.0

77 63.1 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.807 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

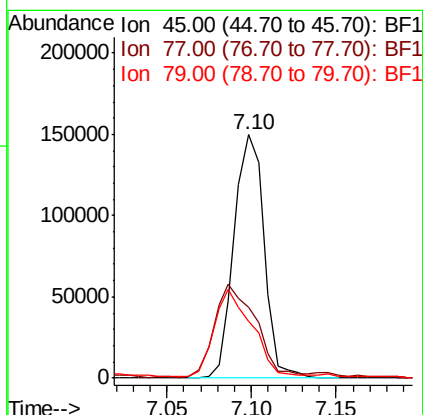
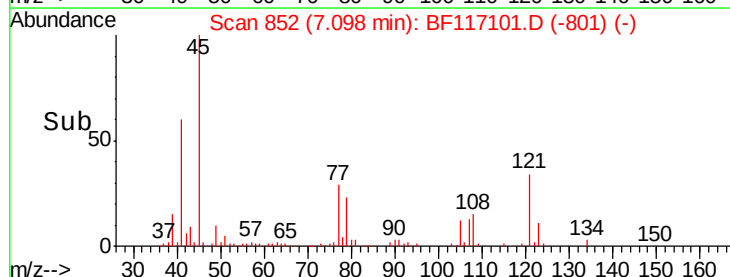
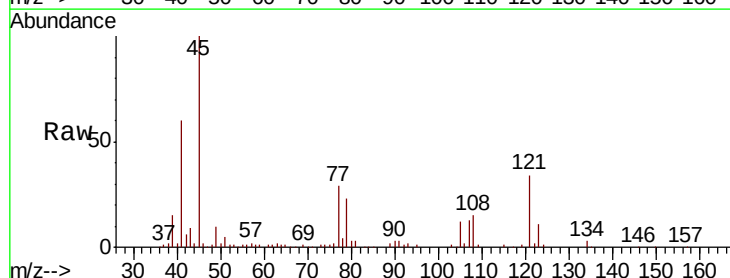
Tgt Ion: 45 Resp: 185580

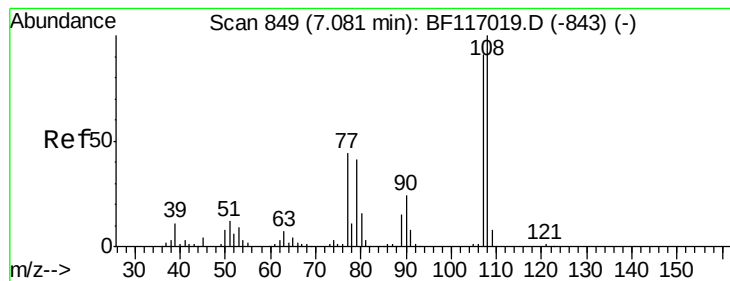
Ion Ratio Lower Upper

45 100

77 29.3 2.7 42.7

79 23.2 0.0 38.9

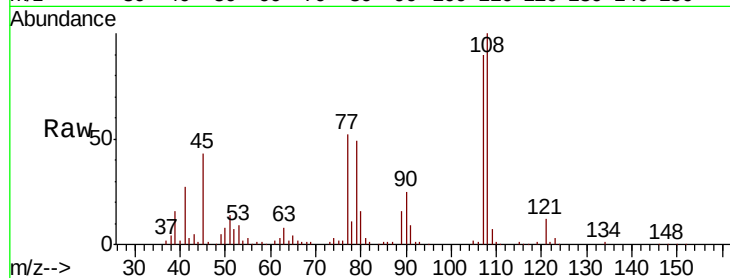




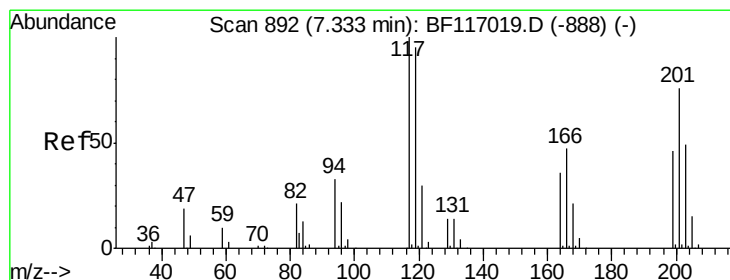
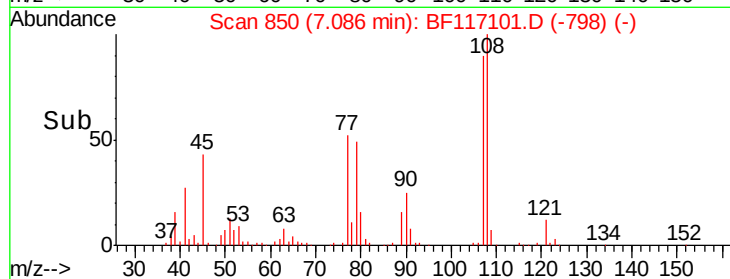
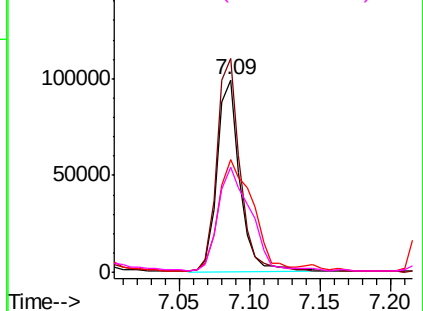
#17
2-Methylphenol
Concen: 29.433 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:107 Resp: 111518
Ion Ratio Lower Upper
107 100
108 111.2 87.7 131.5
77 58.4 38.6 58.0#
79 54.9 36.8 55.2

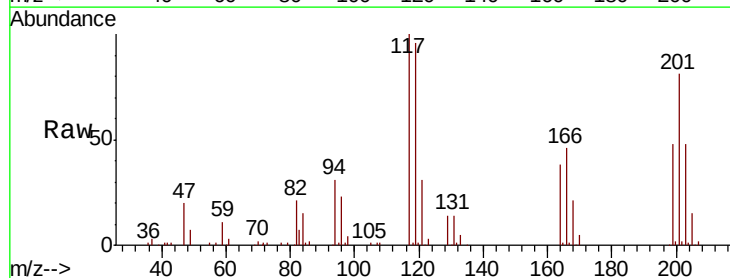


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

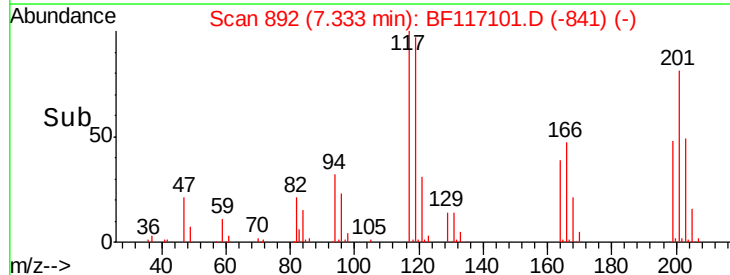
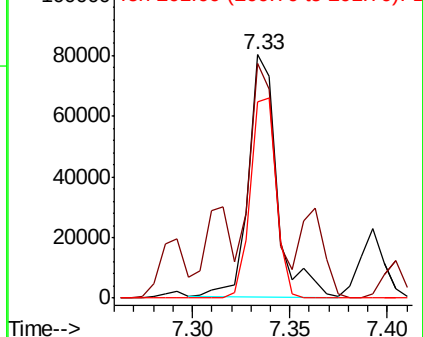


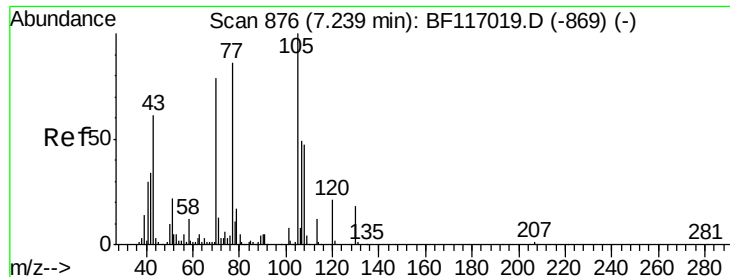
#18
Hexachloroethane
Concen: 40.768 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:117 Resp: 81193
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8
201 80.7 60.9 91.3



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

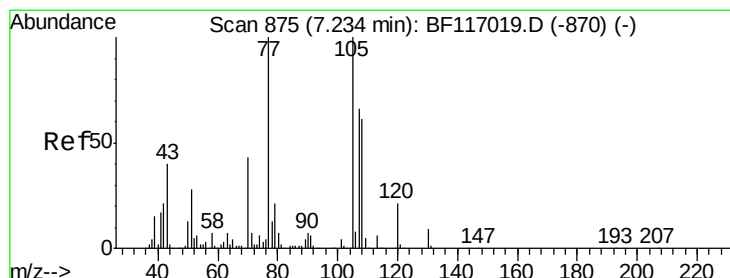
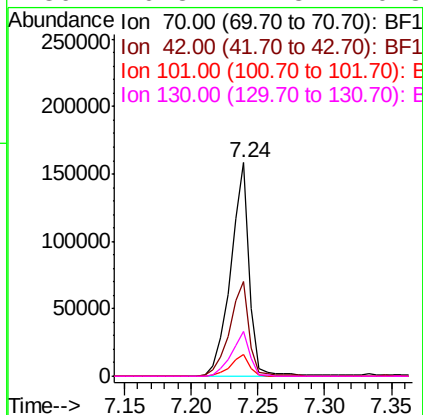
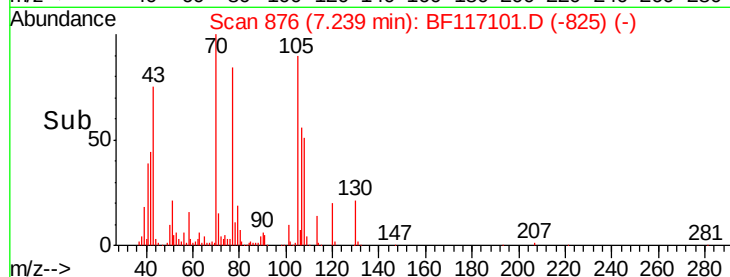
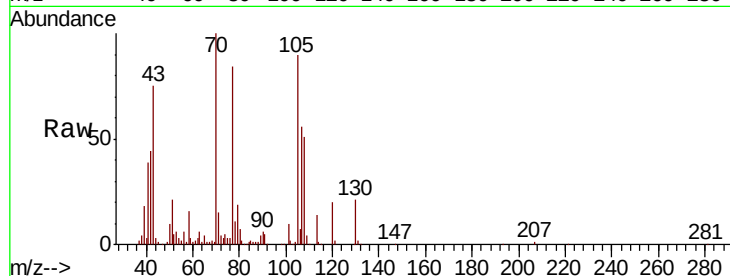




#19
n-Nitroso-di-n-propylamine
Concen: 47.506 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

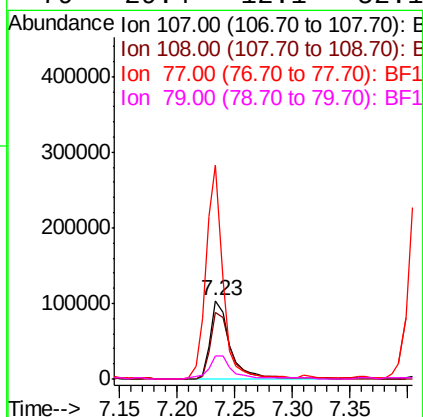
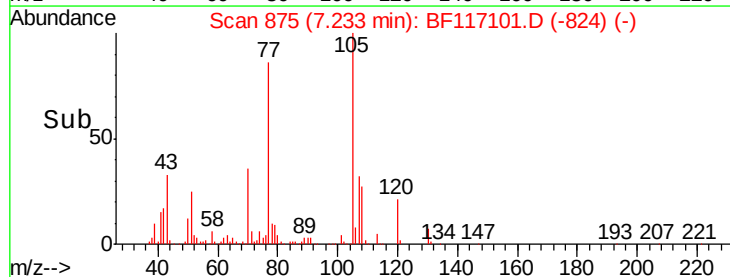
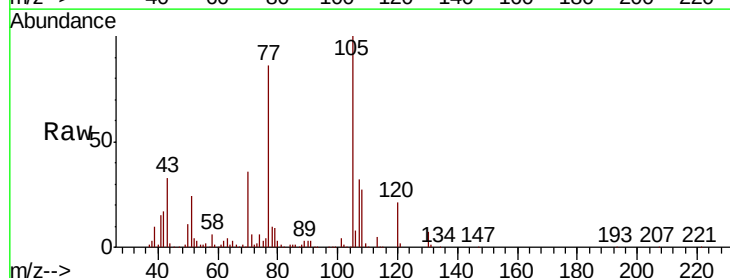
Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

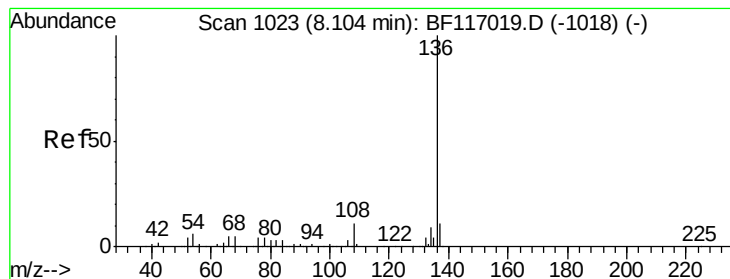
Tot Ion: 70 Resp: 156664
Ion Ratio Lower Upper
70 100
42 44.5 34.0 51.0
101 9.9 7.8 11.6
130 20.8 17.8 26.8



#20
3+4-Methylphenols
Concen: 25.925 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion: 107 Resp: 122348
Ion Ratio Lower Upper
107 100
108 85.8 72.6 112.6
77 273.0 132.1 172.1#
79 29.4 12.1 52.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

Tot Ion:136 Resp: 259228

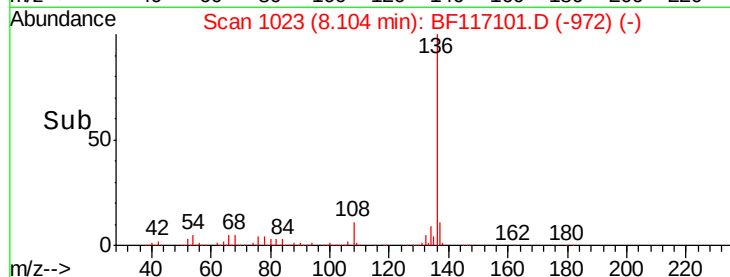
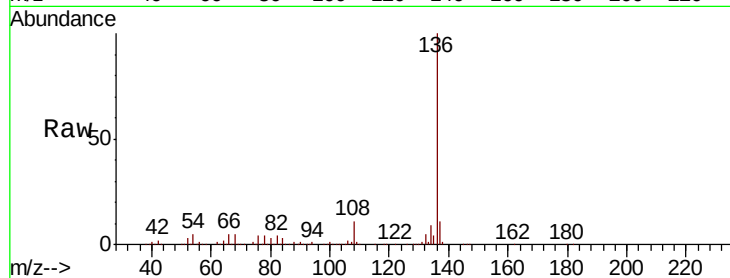
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 5.2 4.5 6.7

68 4.8 4.0 6.0

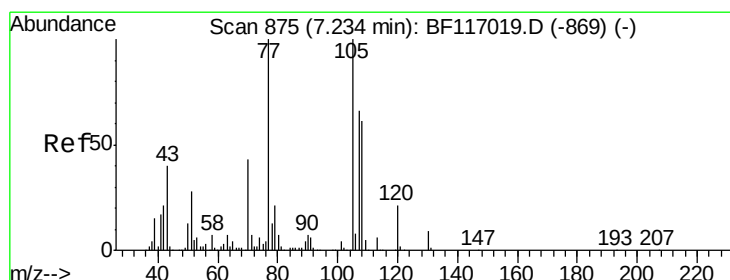
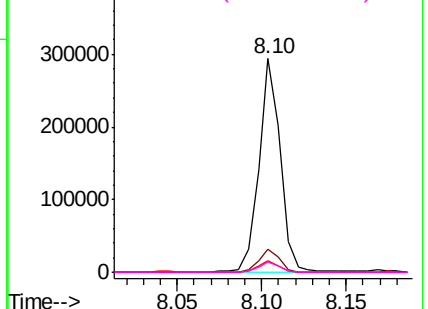


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.466 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Tgt Ion:105 Resp: 338967

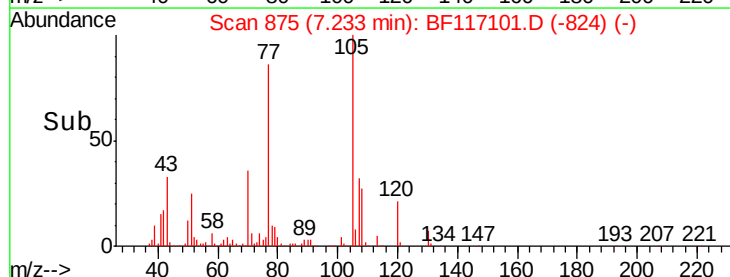
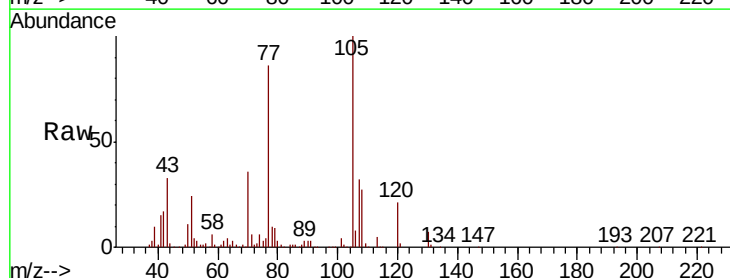
Ion Ratio Lower Upper

105 100

71 5.6 5.7 8.5#

51 24.5 22.1 33.1

120 20.9 17.1 25.7

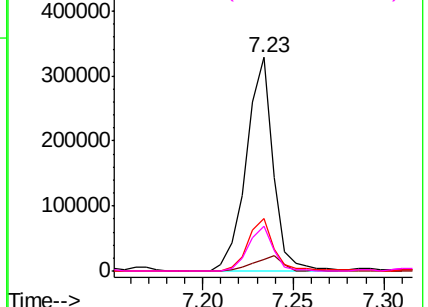


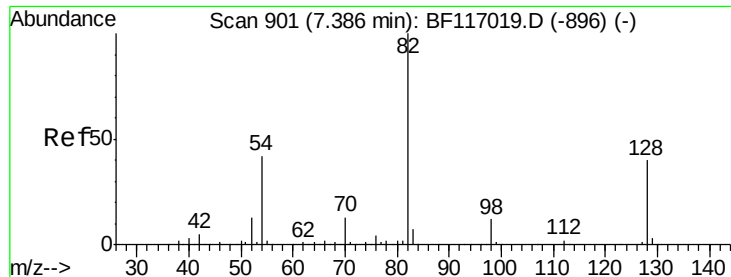
Abundance Ion 105.00 (104.70 to 105.70): E

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

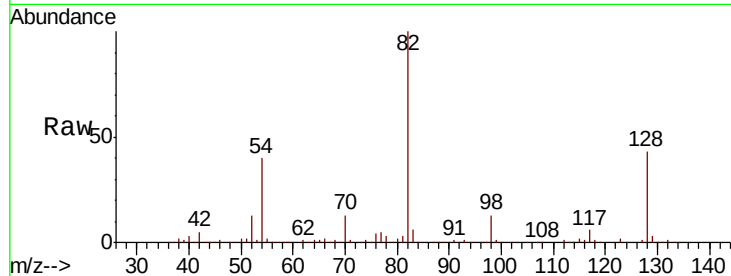




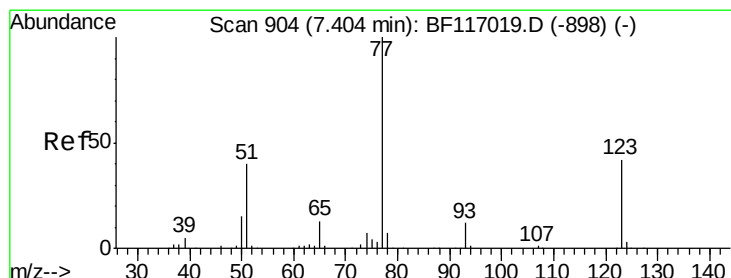
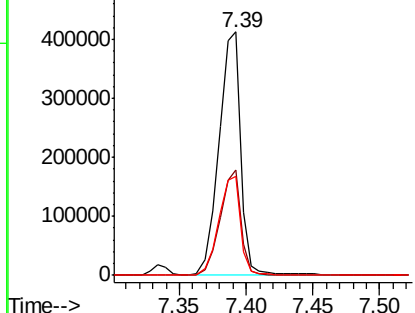
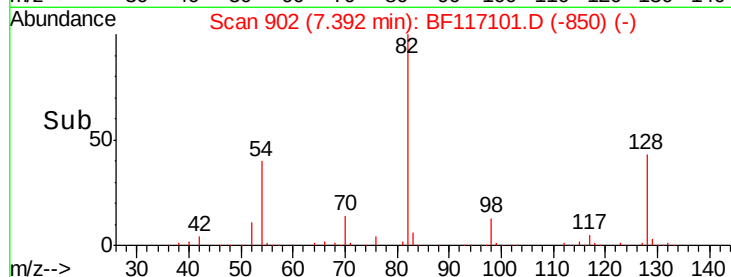
#23
 Nitrobenzene-d5
 Concen: 96.785 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

Tot Ion	82	Resp	477508
Ion Ratio	100	Lower	Upper
128	43.2	32.3	48.5
54	40.5	33.3	49.9

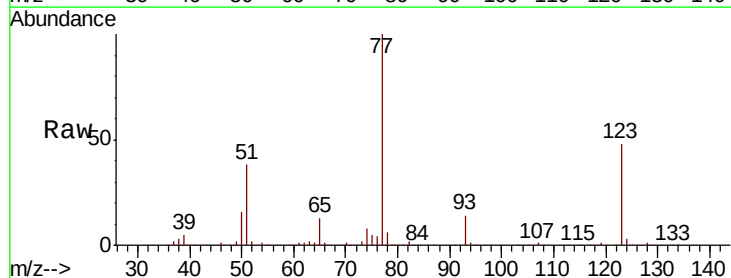


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

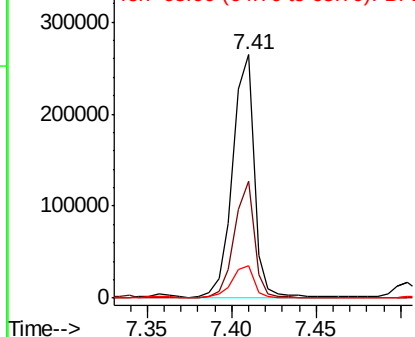
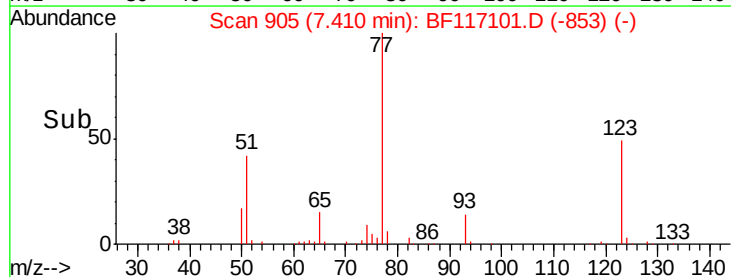


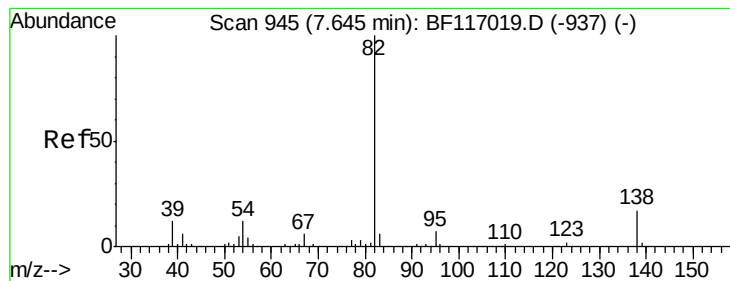
#24
 Nitrobenzene
 Concen: 47.946 ng
 RT: 7.41 min Scan# 905
 Delta R.T. 0.01 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion	77	Resp	233604
Ion Ratio	100	Lower	Upper
123	47.8	33.5	50.3
65	13.3	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: 49.461 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampled :

Z2-0157MS

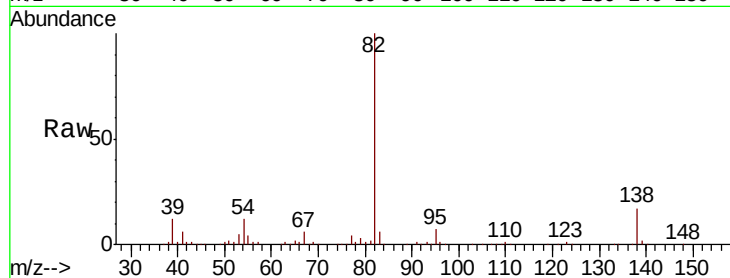
Tot Ion: 82 Resp: 432067

Ion Ratio Lower Upper

82 100

95 7.2 5.8 8.6

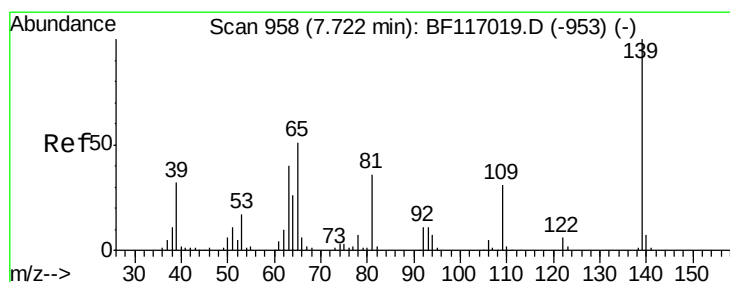
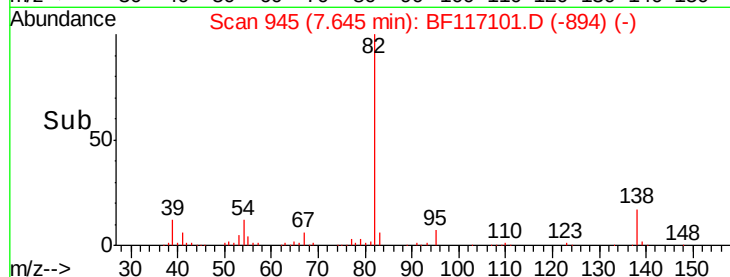
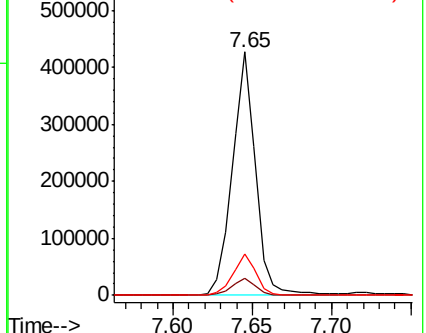
138 17.2 13.5 20.3



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: 51.239 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

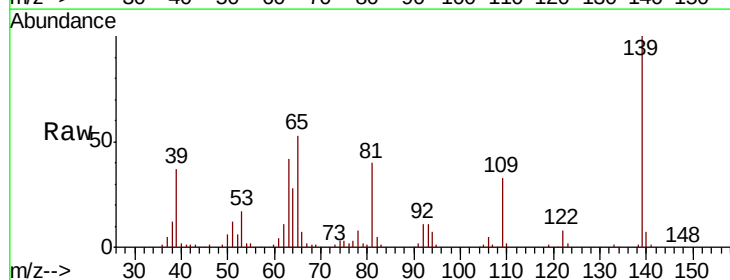
Tgt Ion: 139 Resp: 107233

Ion Ratio Lower Upper

139 100

109 32.7 24.6 36.8

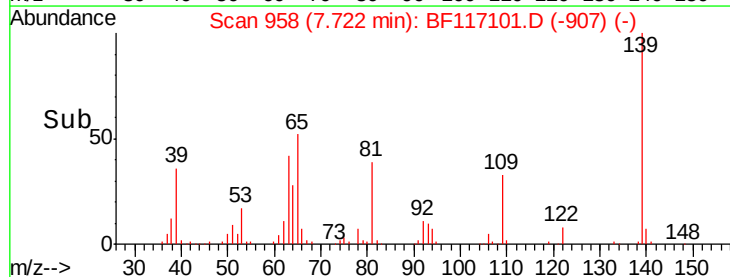
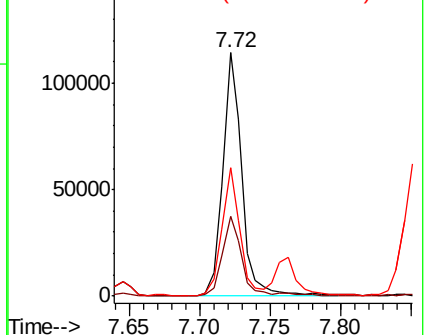
65 52.8 40.9 61.3

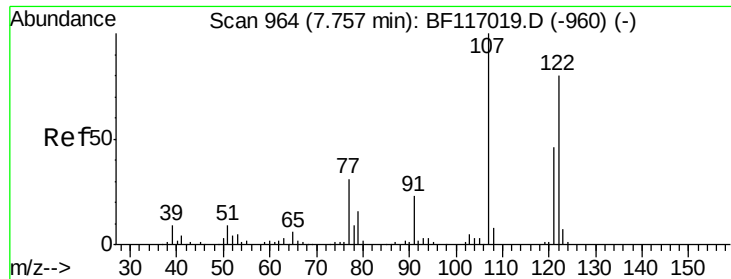


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 49.761 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

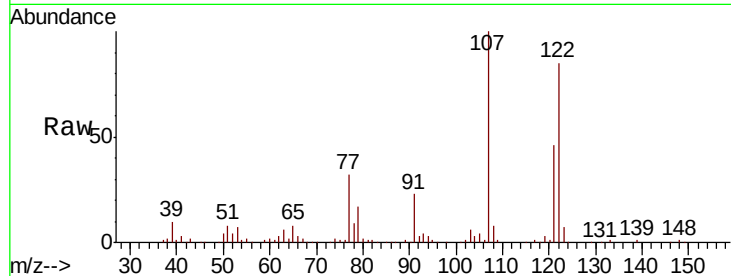
Tot Ion:122 Resp: 165144

Ion Ratio Lower Upper

122 100

107 117.9 98.9 148.3

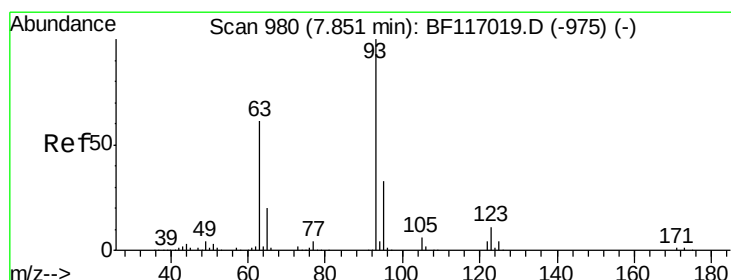
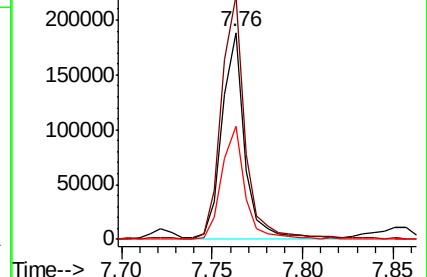
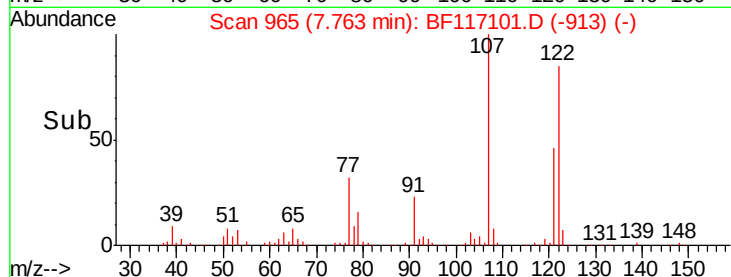
121 54.7 45.3 67.9



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: 47.439 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

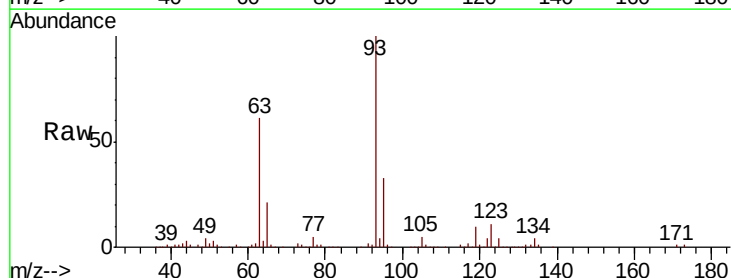
Tgt Ion: 93 Resp: 255317

Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

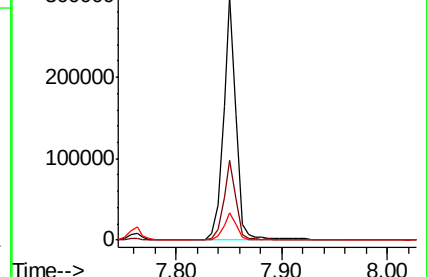
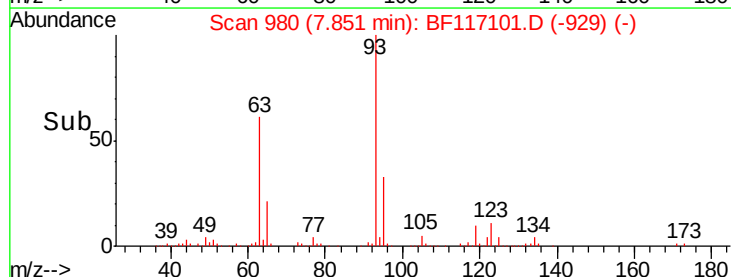
123 11.4 9.0 13.6

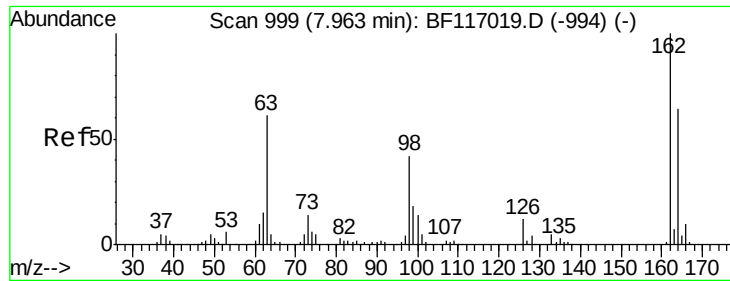


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

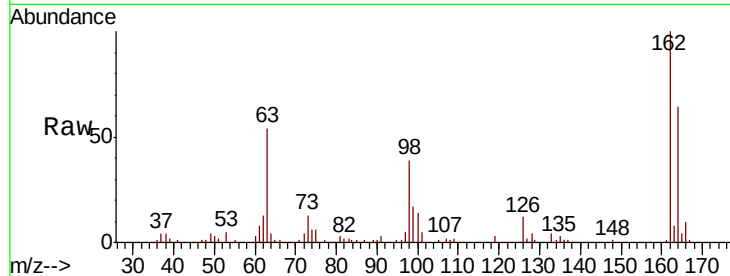




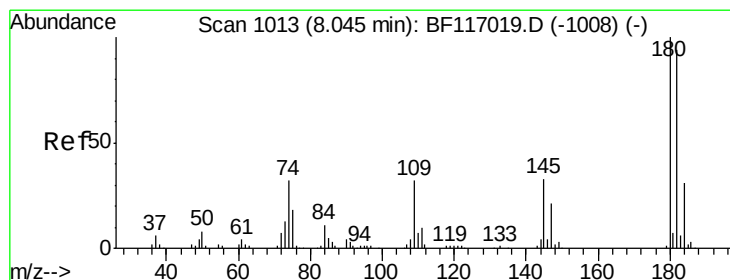
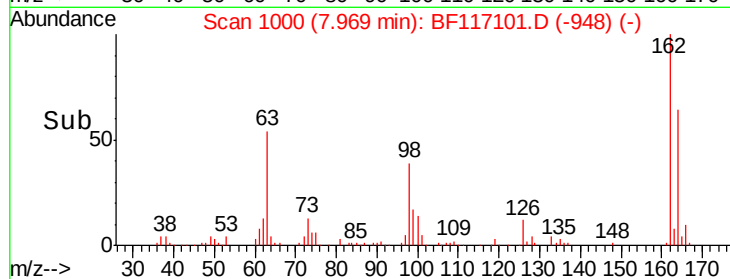
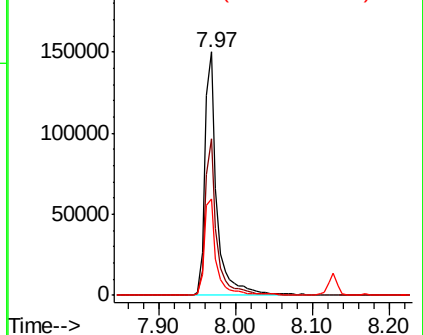
#29
 2,4-Dichlorophenol
 Concen: 46.594 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

Tot Ion:162 Resp: 162028
 Ion Ratio Lower Upper
 162 100
 164 64.3 43.8 83.8
 98 39.4 22.1 62.1

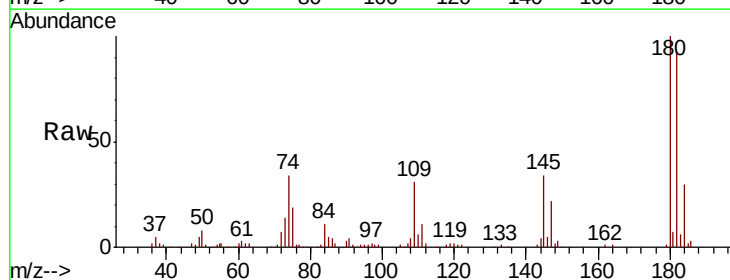


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

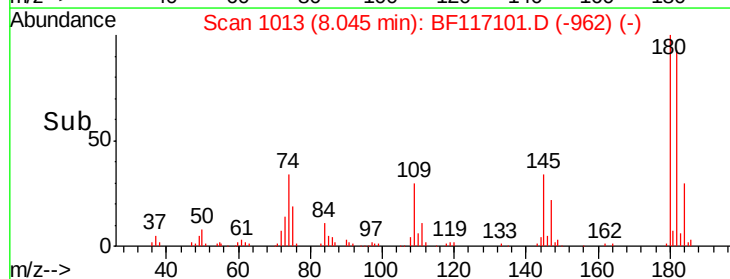
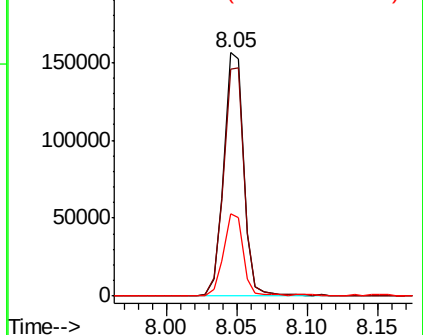


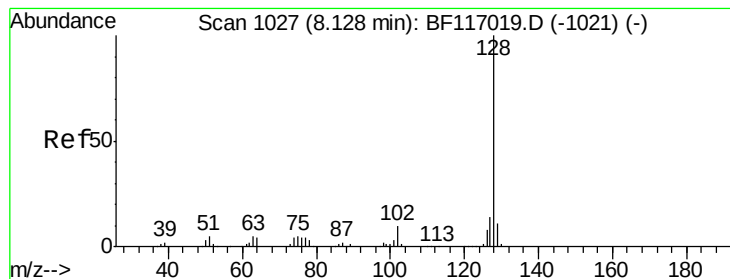
#30
 1,2,4-Trichlorobenzene
 Concen: 41.307 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion:180 Resp: 155187
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.4 113.0
 145 33.9 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: 51.771 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

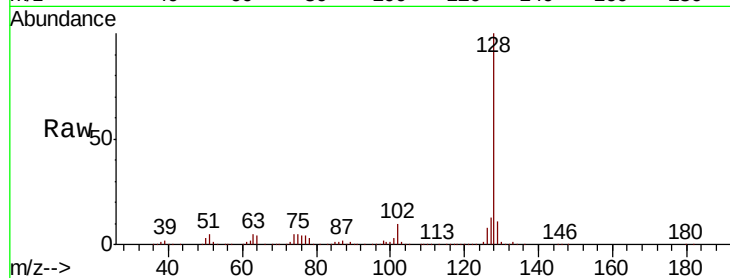
Tot Ion:128 Resp: 645448

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

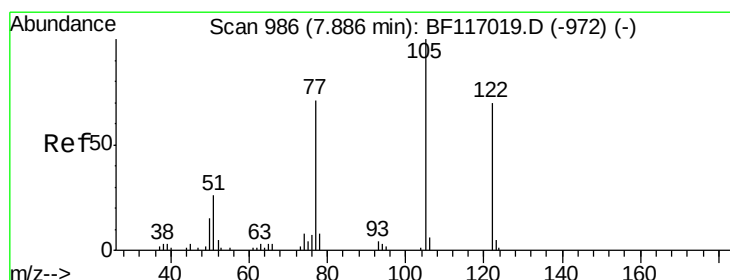
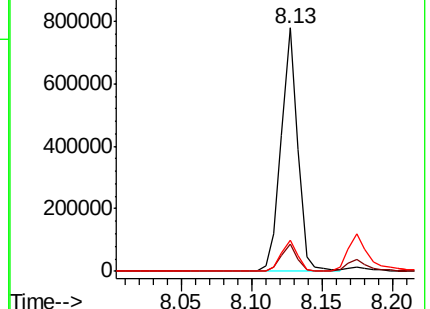
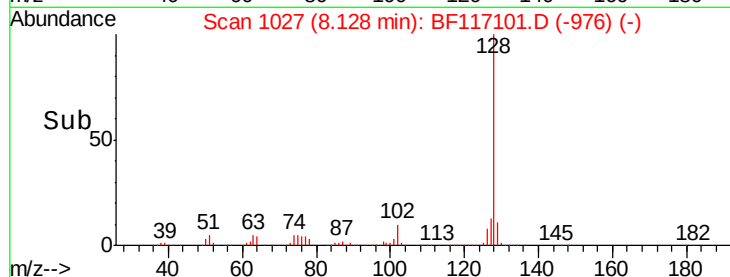
127 13.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 13.465 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.03 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

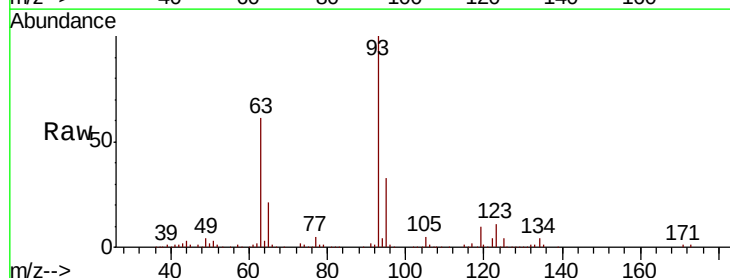
Tgt Ion:122 Resp: 19960

Ion Ratio Lower Upper

122 100

105 138.1 114.8 154.8

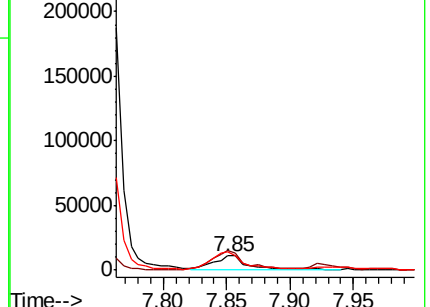
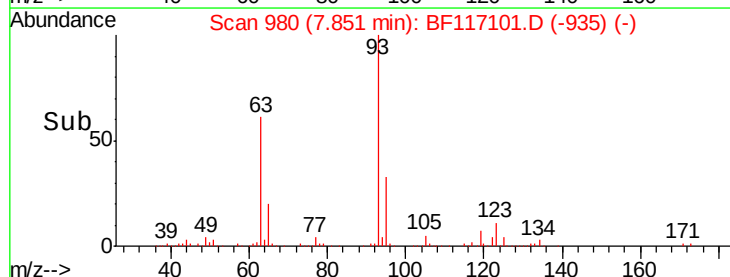
77 128.8 78.7 118.7#

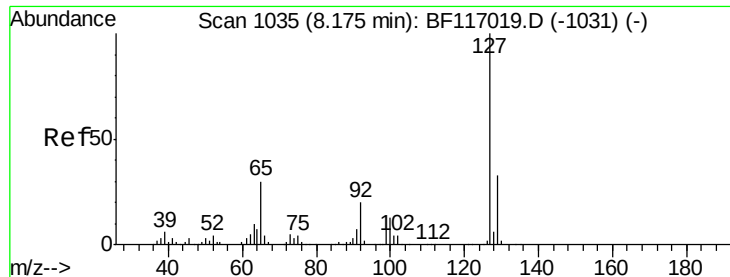


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

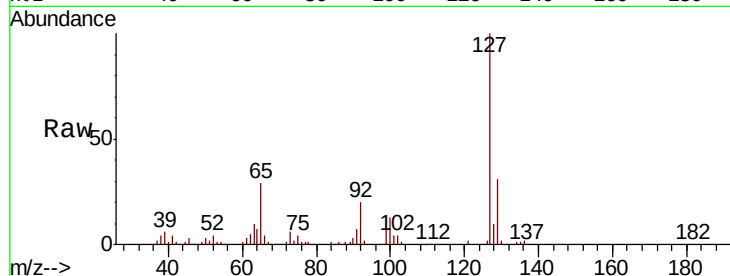




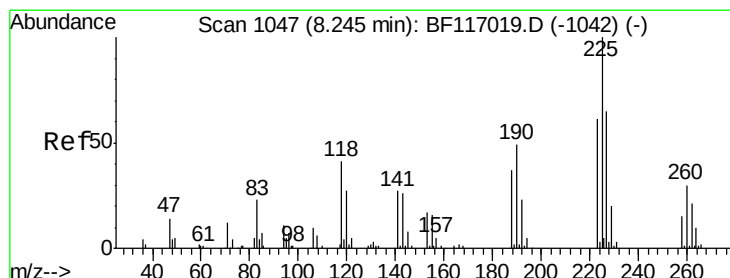
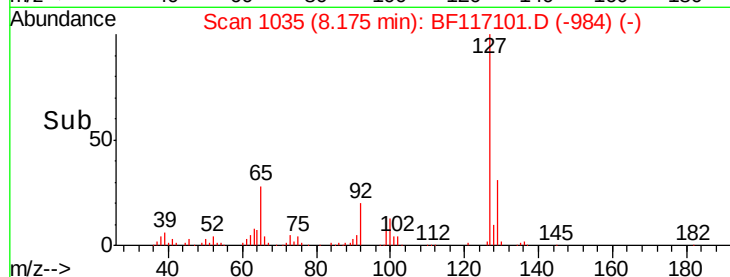
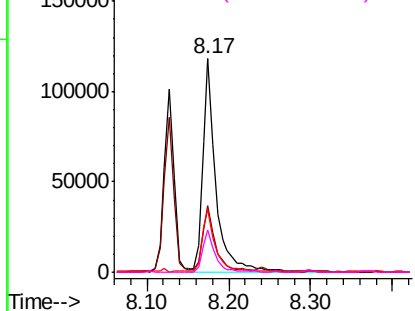
#33
4-Chloroaniline
Concen: 24.357 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:	127	Resp:	134683
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.2
65	29.2	23.5	35.3
92	19.5	15.9	23.9

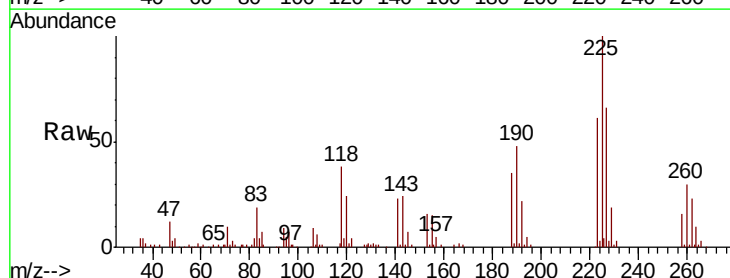


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

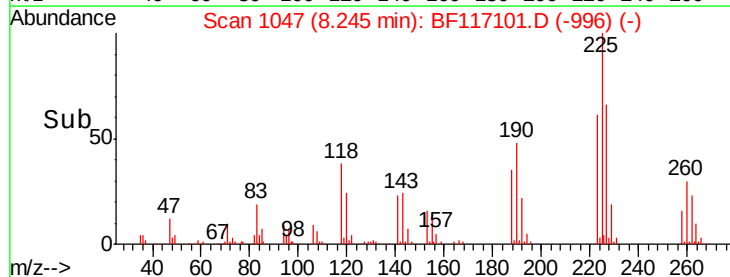
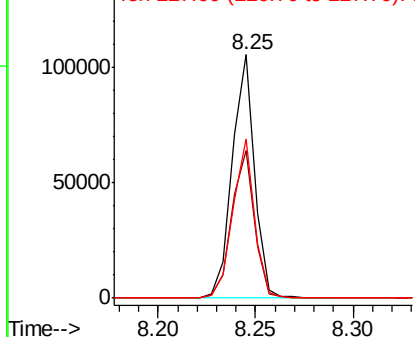


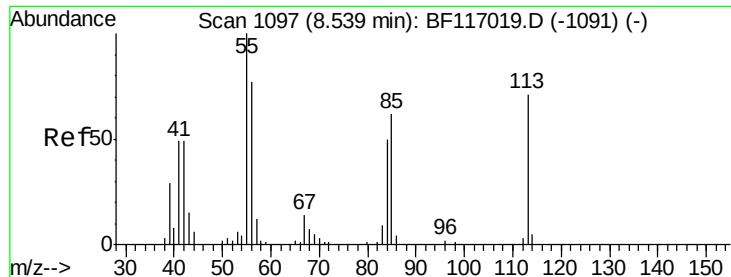
#34
Hexachlorobutadiene
Concen: 39.188 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:	225	Resp:	83529
Ion	Ratio	Lower	Upper
225	100		
223	60.8	49.1	73.7
227	65.6	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

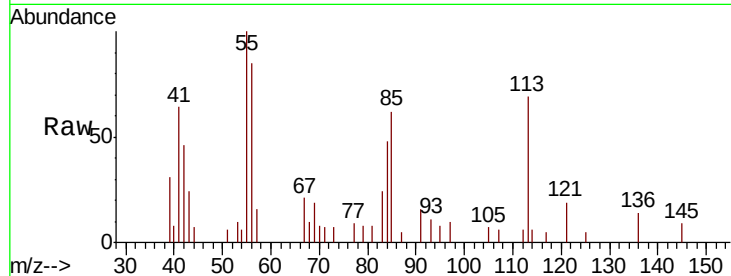




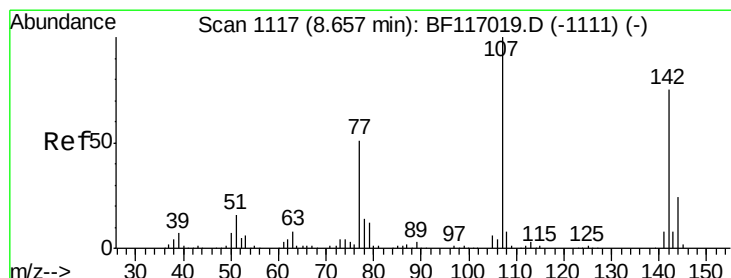
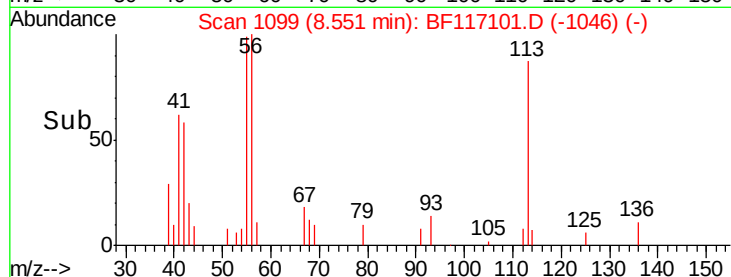
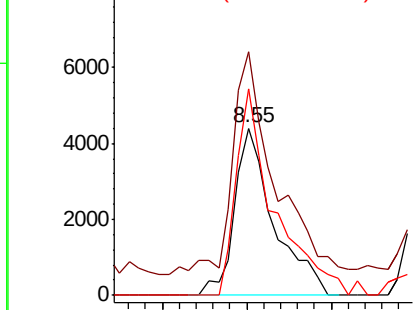
#35
Caprolactam
Concen: 6.031 ng
RT: 8.55 min Scan# 1099
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:113 Resp: 7099
Ion Ratio Lower Upper
113 100
55 145.8 120.6 160.6
56 123.5 88.8 128.8

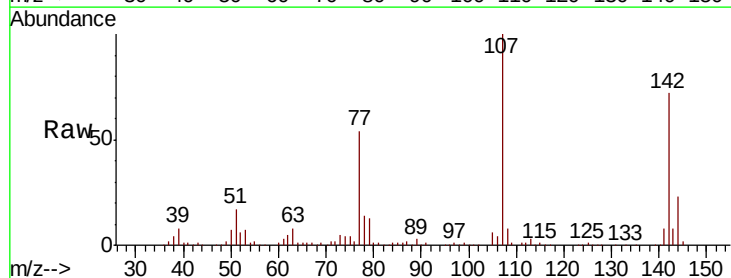


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

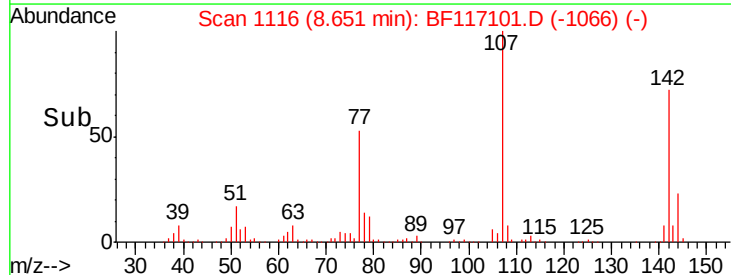
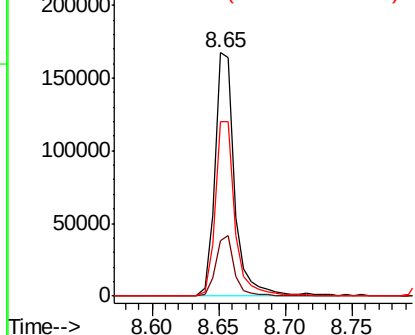


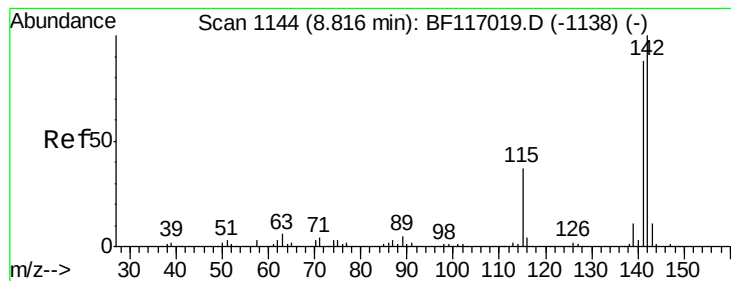
#36
4-Chloro-3-methylphenol
Concen: 43.493 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:107 Resp: 176353
Ion Ratio Lower Upper
107 100
144 22.7 19.2 28.8
142 71.8 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: 50.237 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

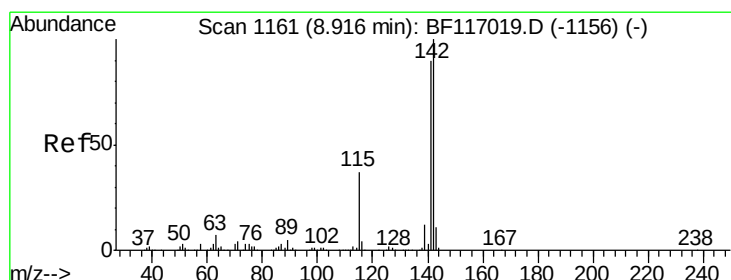
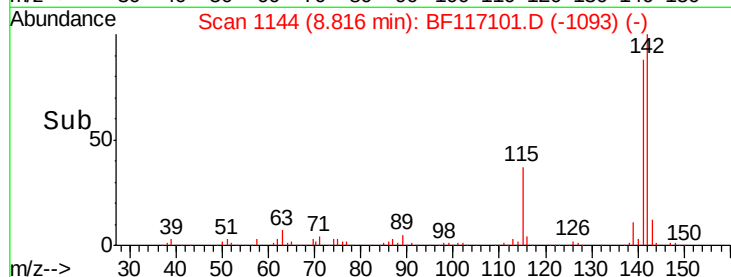
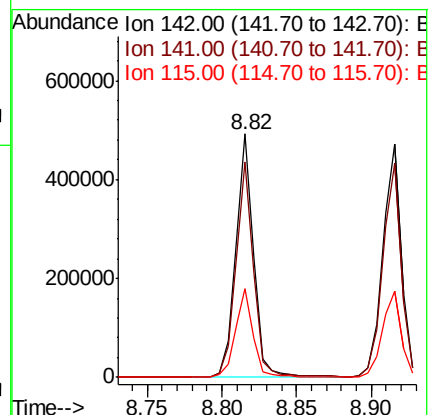
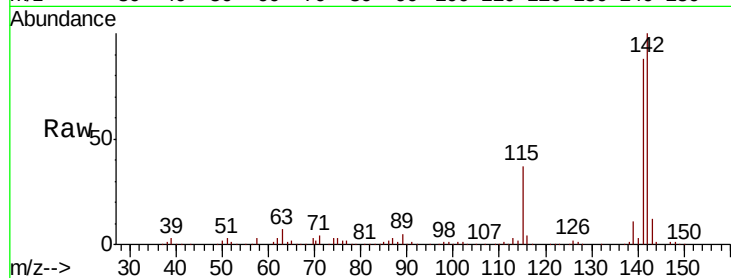
Tot Ion:142 Resp: 421760

Ion Ratio Lower Upper

142 100

141 88.5 70.7 106.1

115 36.6 29.4 44.0



#38

1-Methylnaphthalene

Concen: 50.834 ng

RT: 8.92 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

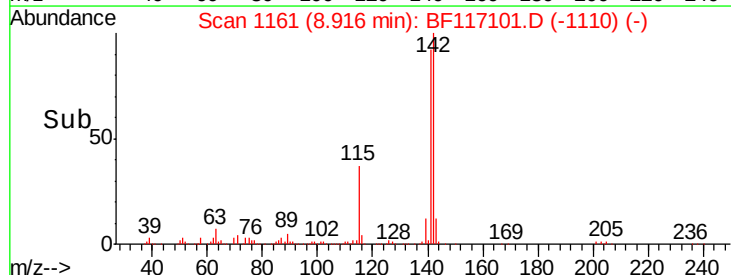
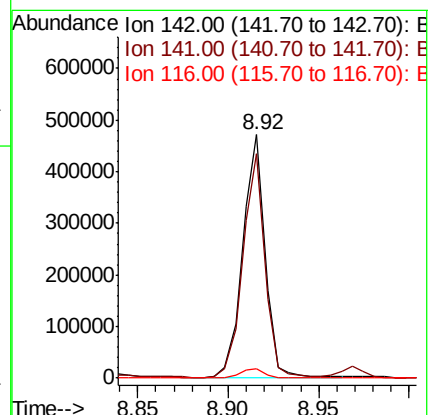
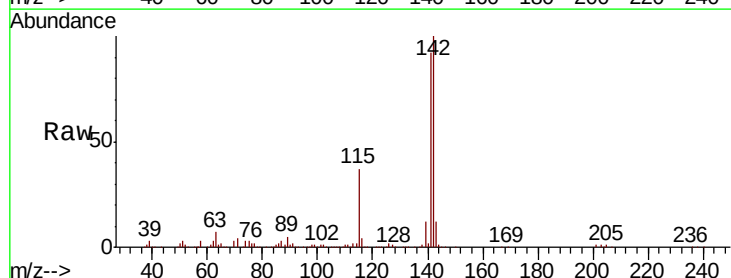
Tgt Ion:142 Resp: 399706

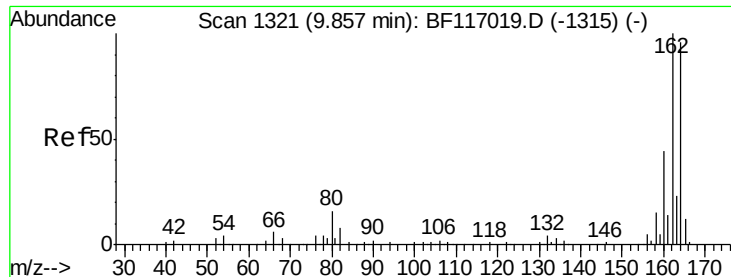
Ion Ratio Lower Upper

142 100

141 91.9 71.9 107.9

116 3.8 3.2 4.8

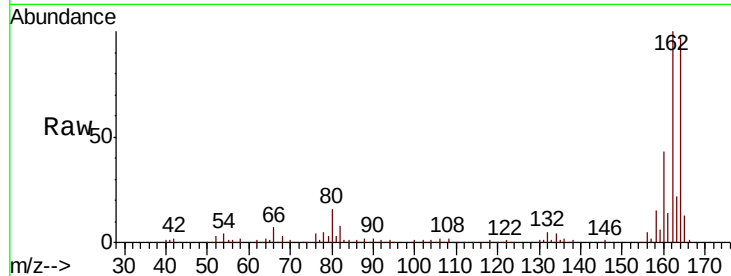




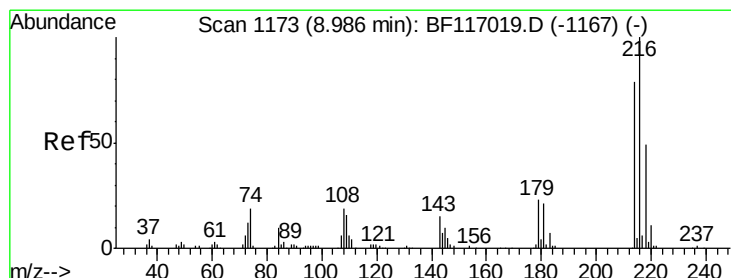
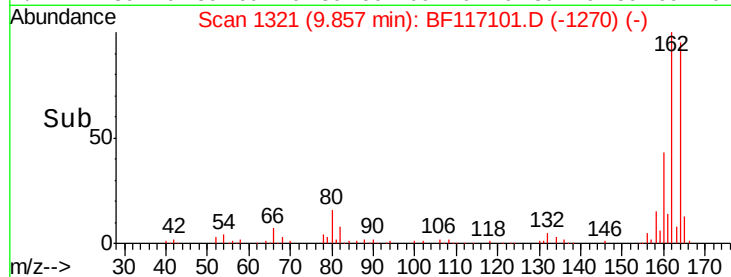
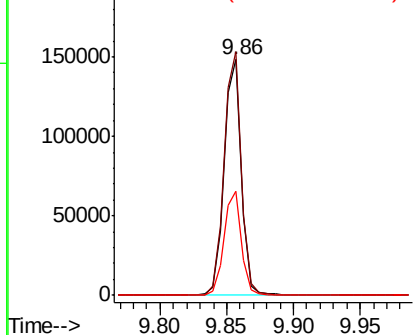
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:164 Resp: 135225
Ion Ratio Lower Upper
164 100
162 103.3 83.4 125.2
160 44.0 36.4 54.6

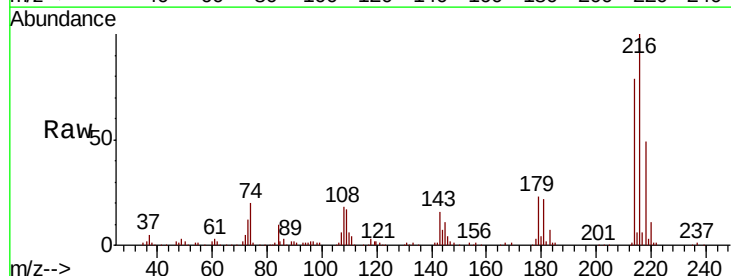


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

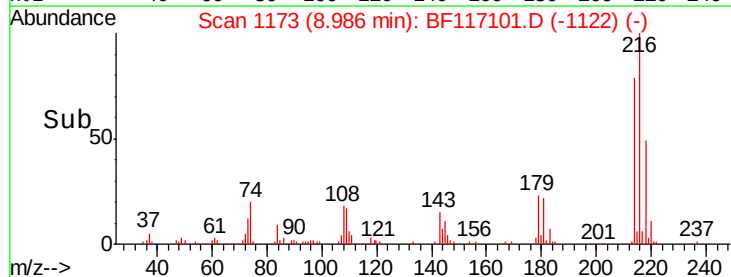
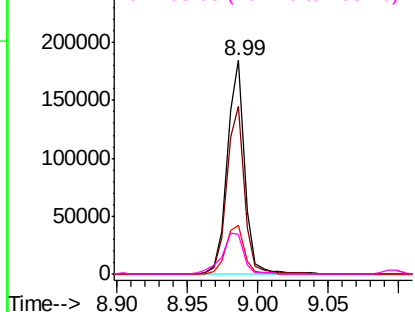


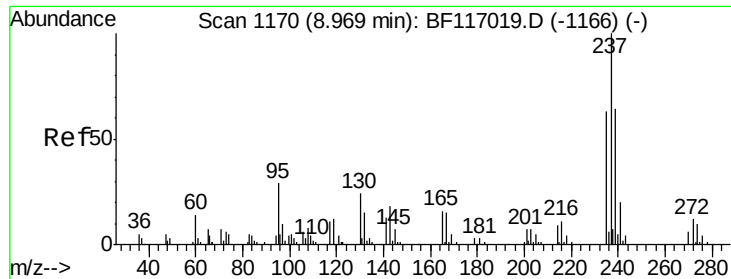
#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.100 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:216 Resp: 157483
Ion Ratio Lower Upper
216 100
214 80.4 63.6 95.4
179 24.4 18.3 27.5
108 24.0 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

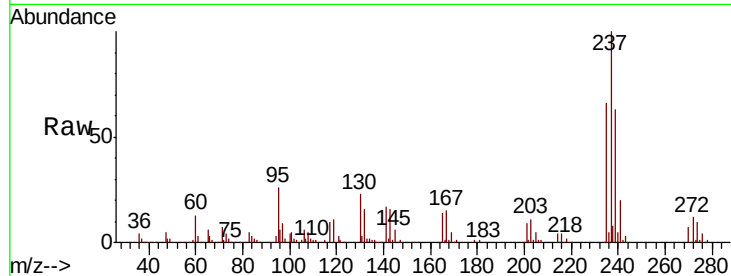




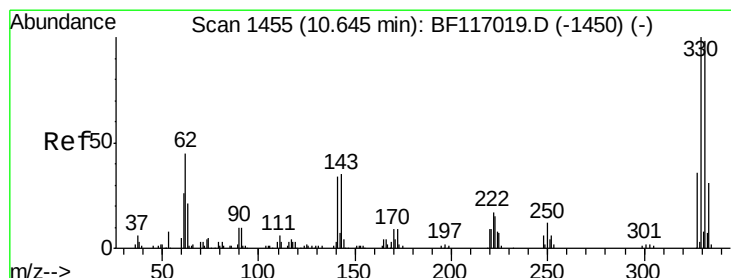
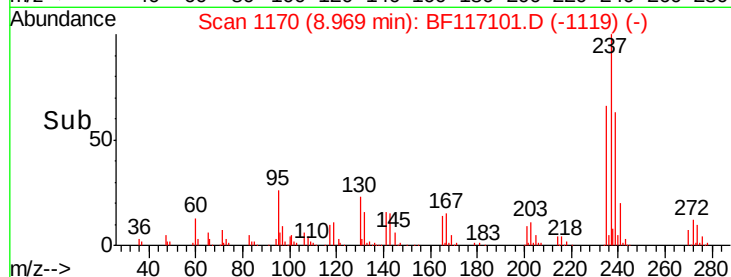
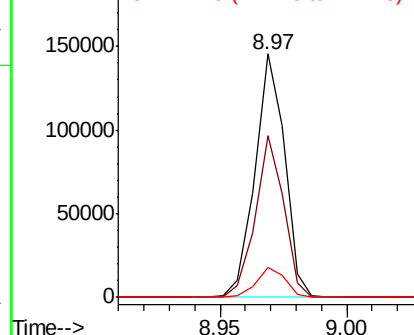
#41
Hexachlorocyclopentadiene
Concen: 77.598 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:237 Resp: 119368
Ion Ratio Lower Upper
237 100
235 66.2 43.2 83.2
272 12.4 0.0 31.9

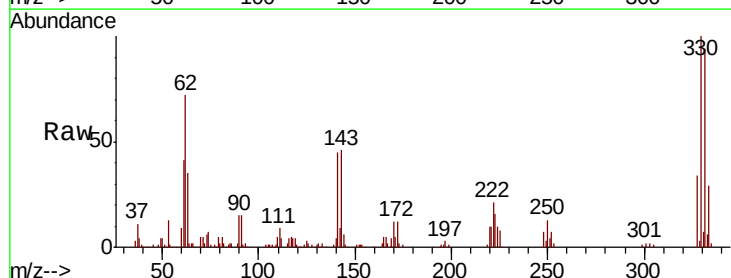


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

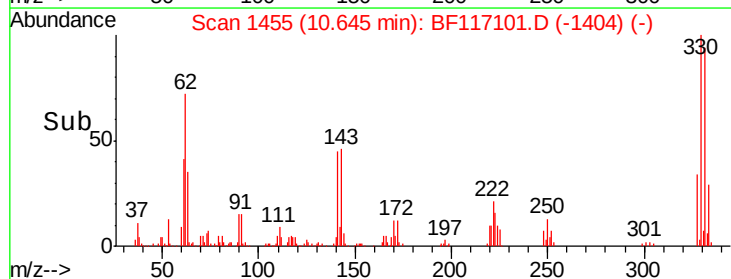
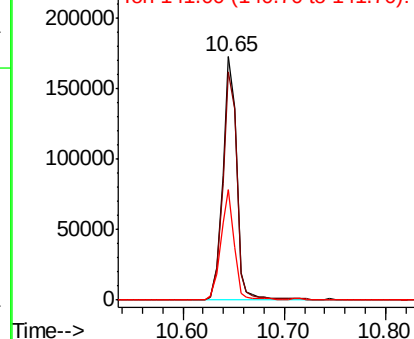


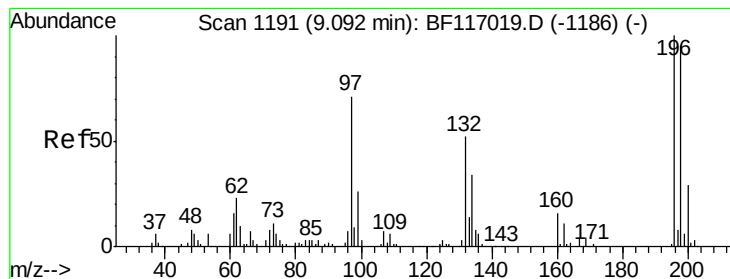
#42
2,4,6-Tribromophenol
Concen: 145.432 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:330 Resp: 164363
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 44.0 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: 47.150 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

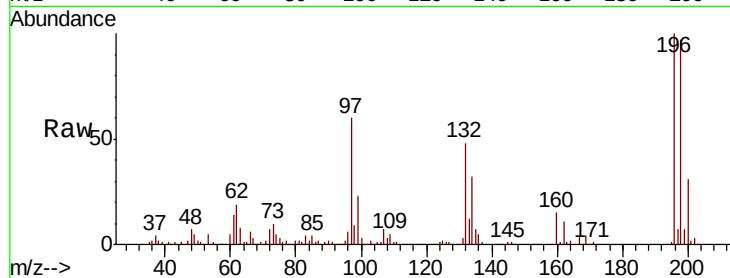
Tot Ion:196 Resp: 111730

Ion Ratio Lower Upper

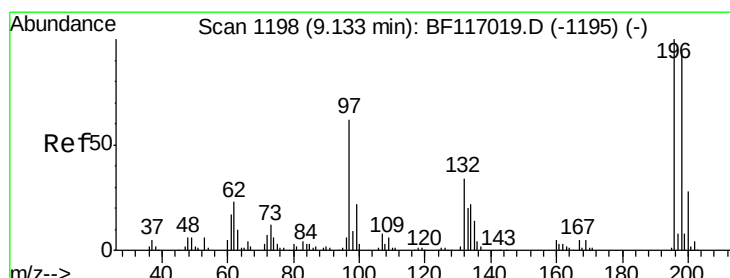
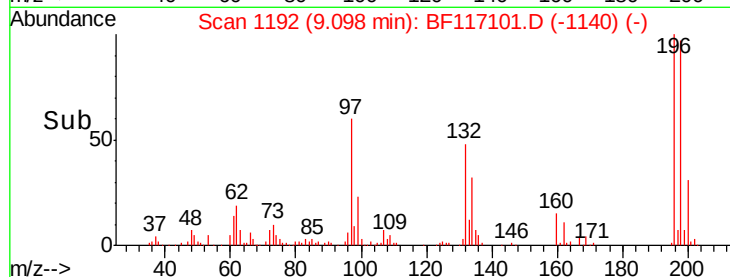
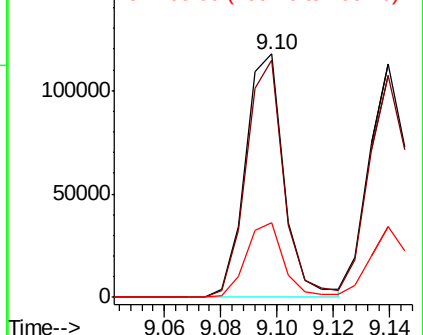
196 100

198 97.2 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: 47.436 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Tgt Ion:196 Resp: 120098

Ion Ratio Lower Upper

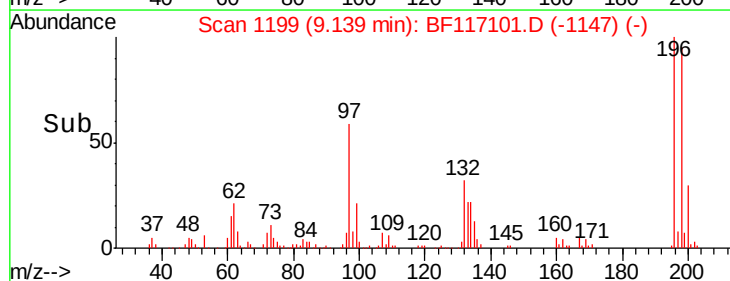
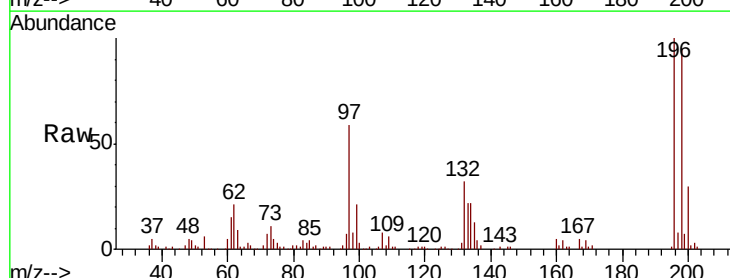
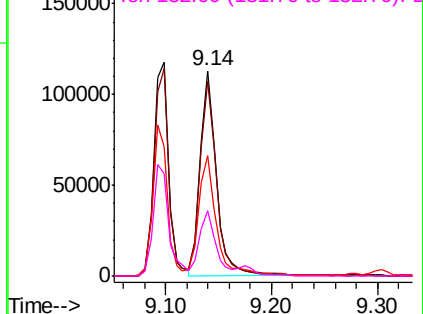
196 100

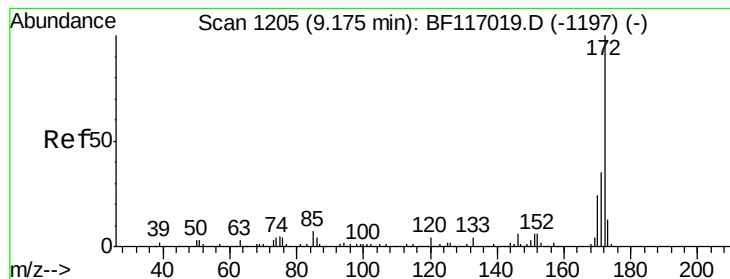
198 94.8 74.6 112.0

97 58.9 49.5 74.3

132 31.9 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: 96.818 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

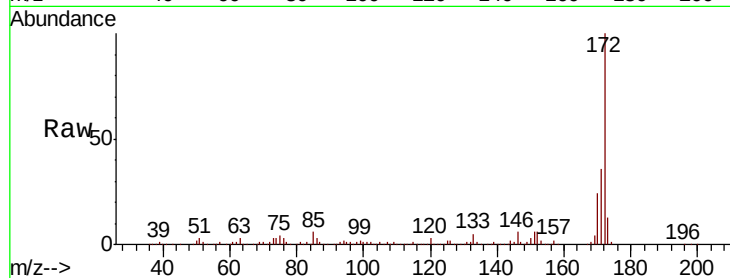
BNA_F

ClientSampleId :

Z2-0157MS

Tot Ion:172 Resp: 837324

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.2
170	23.9	18.9	28.3

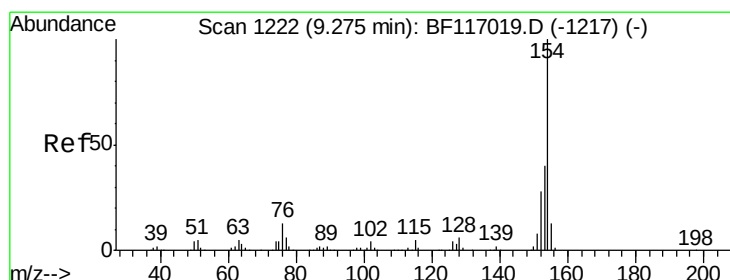
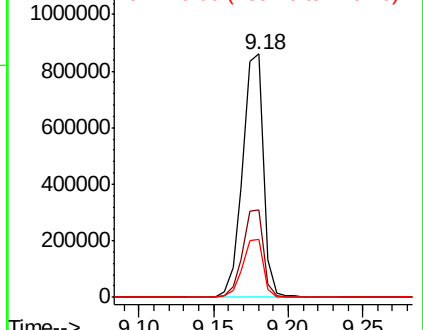
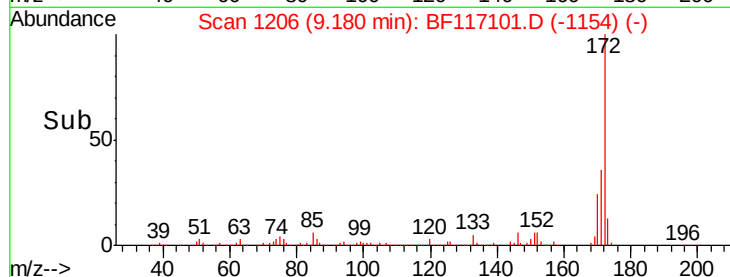


Abundance

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: 46.670 ng

RT: 9.28 min Scan# 1223

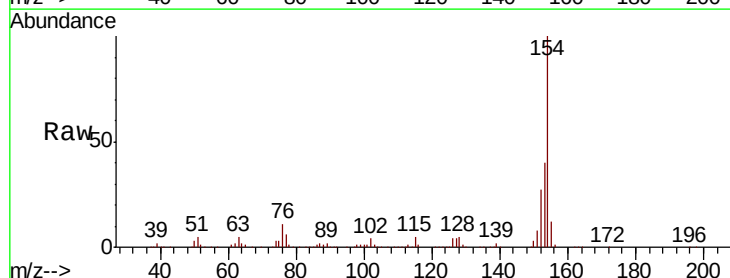
Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Tgt Ion:154 Resp: 495035

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	10.9	0.0	32.7

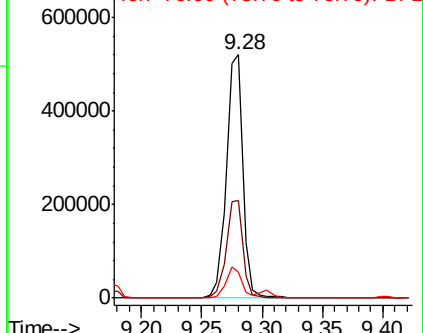
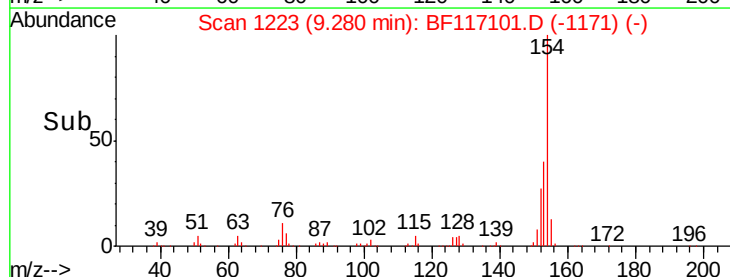


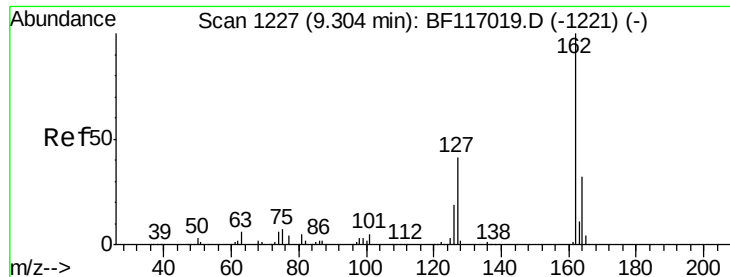
Abundance

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

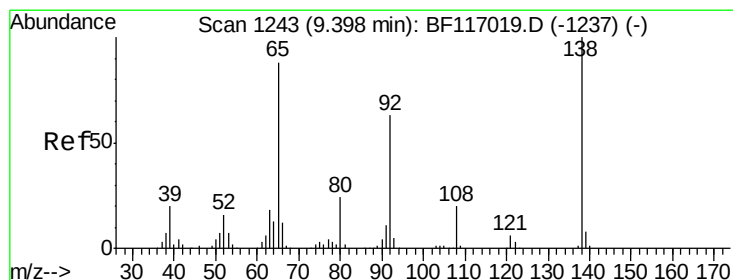
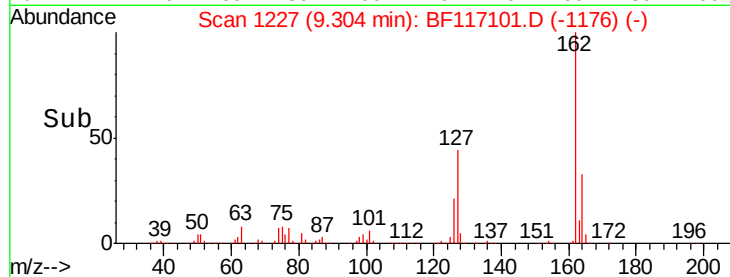
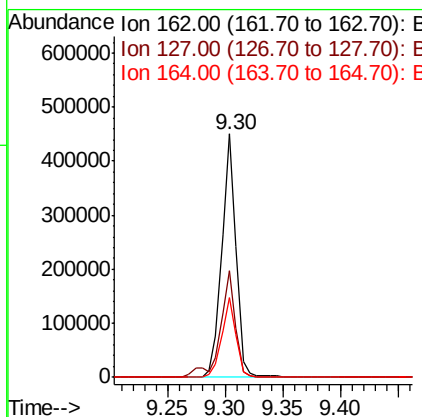
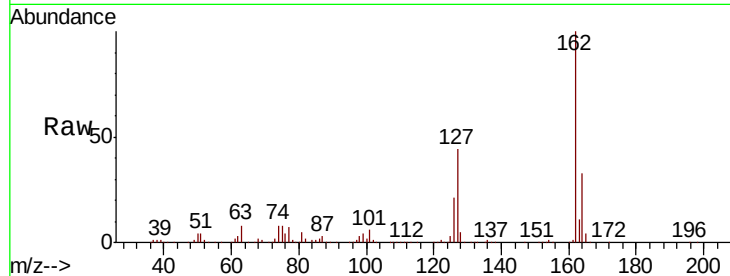




#47
 2-Chloronaphthalene
 Concen: 46.516 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

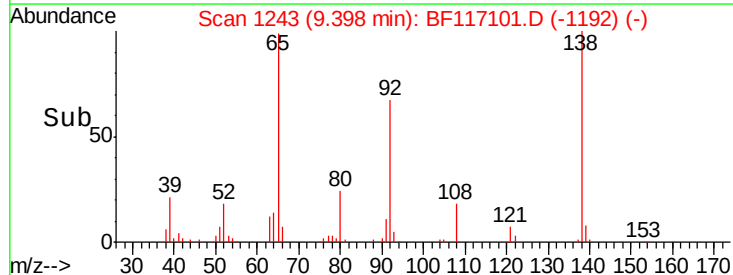
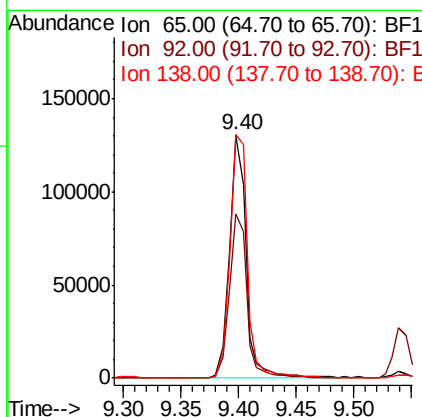
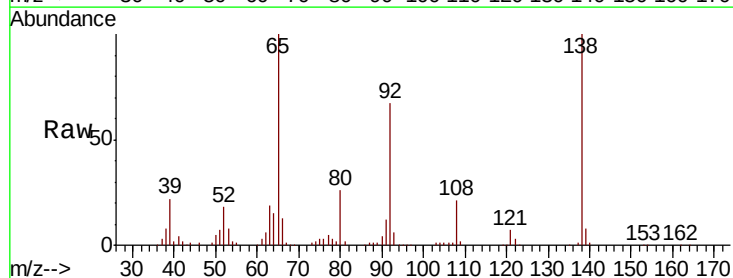
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

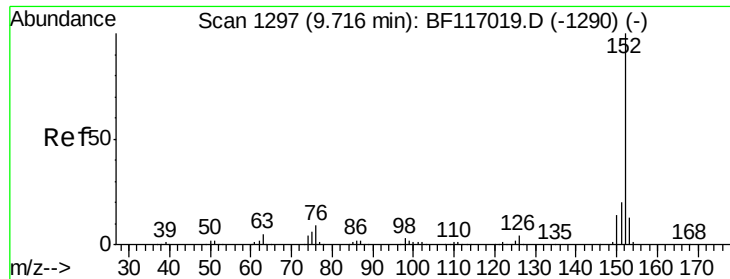
Tot Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.1	51.1
164	32.6	25.9	38.9



#48
 2-Nitroaniline
 Concen: 48.488 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.5	57.5	86.3
138	100.3	90.6	136.0





#49

Acenaphthylene

Concen: 49.334 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

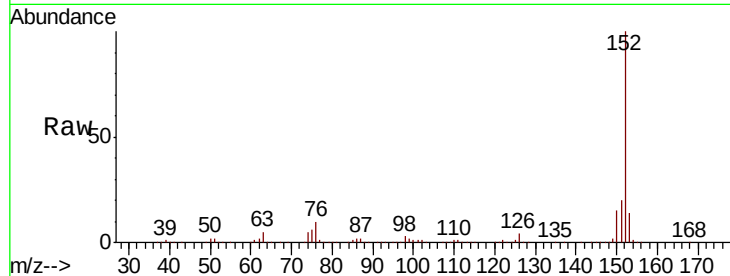
Tot Ion:152 Resp: 618679

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.2

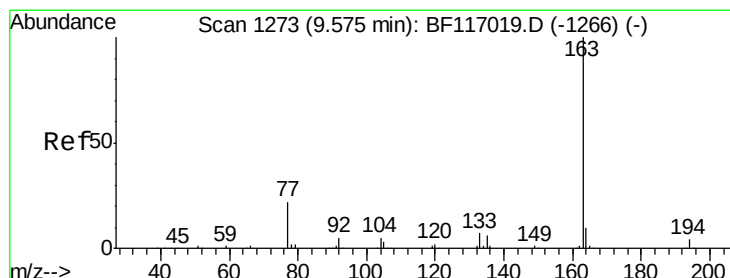
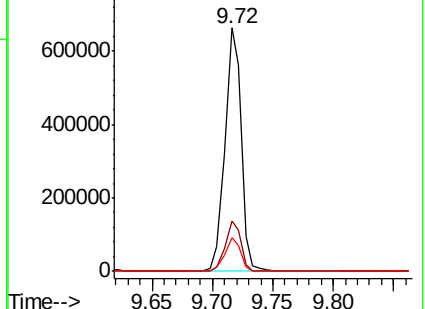
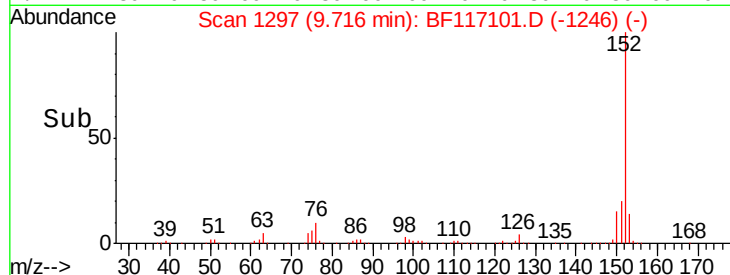
153 13.7 10.2 15.4



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: 50.710 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

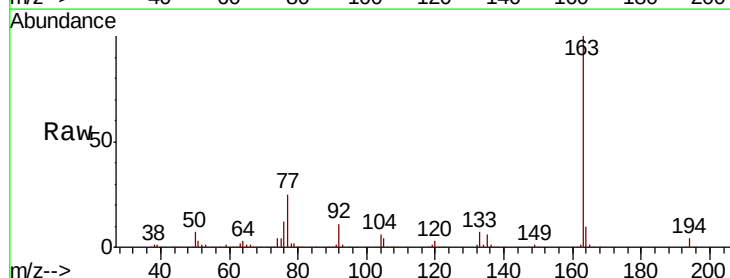
Tgt Ion:163 Resp: 485527

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

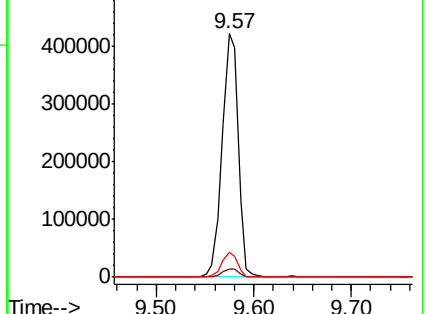
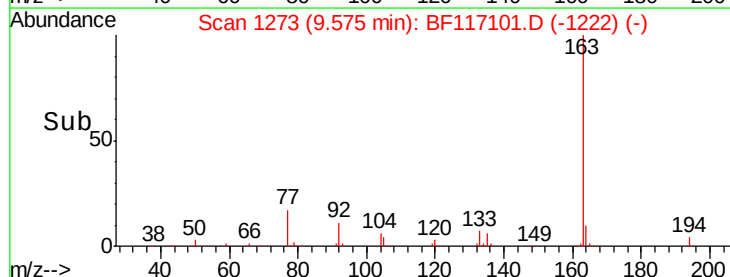
164 10.3 8.2 12.4

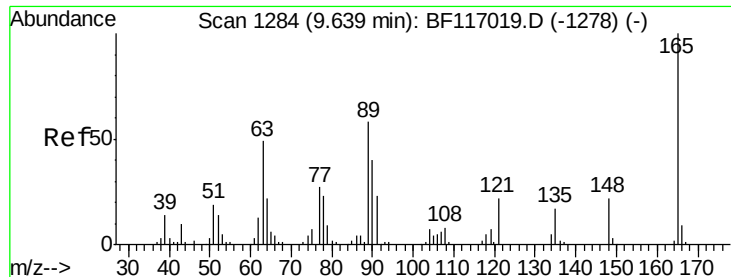


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 53.470 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

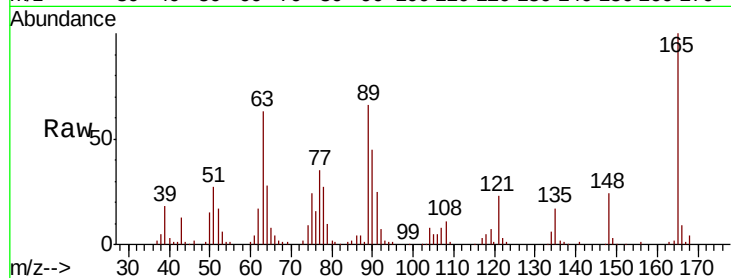
Tot Ion:165 Resp: 104268

Ion Ratio Lower Upper

165 100

63 63.4 41.8 62.8#

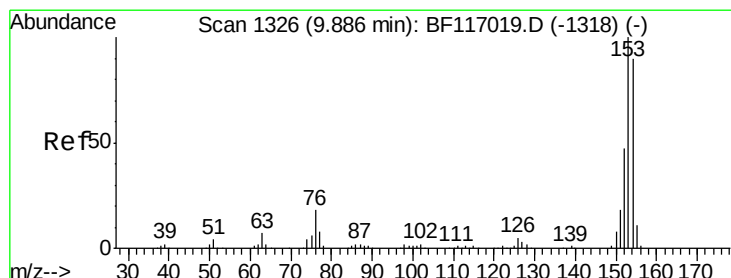
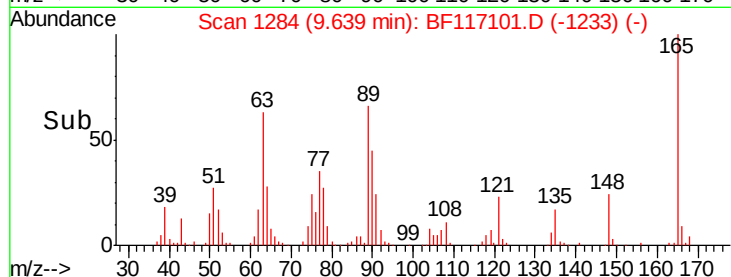
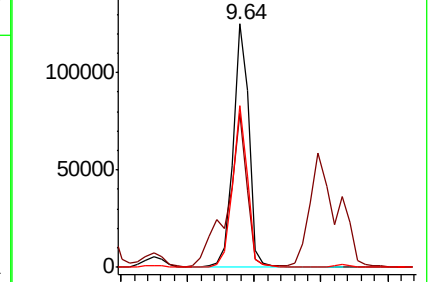
89 66.5 46.5 69.7



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: 48.363 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

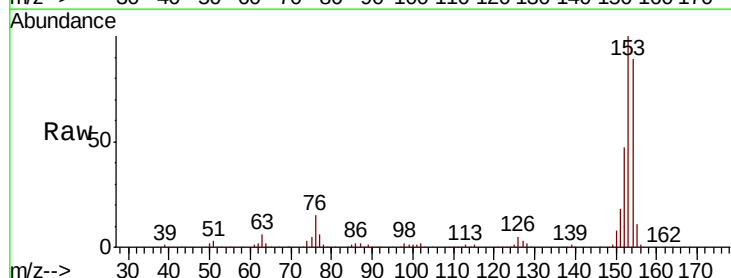
Tgt Ion:154 Resp: 359523

Ion Ratio Lower Upper

154 100

153 112.8 89.0 133.6

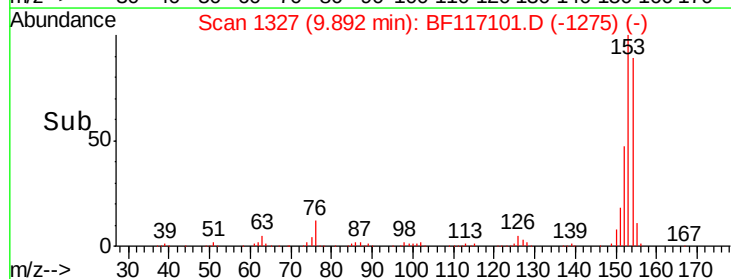
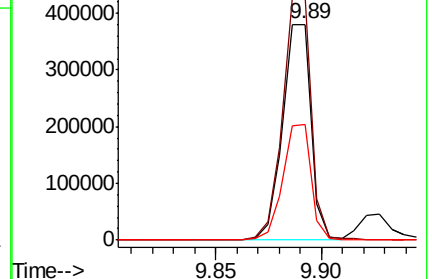
152 53.4 41.9 62.9

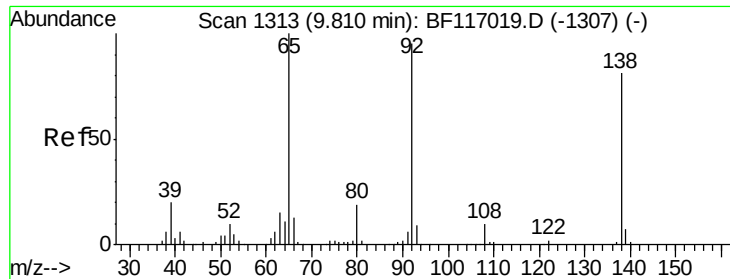


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

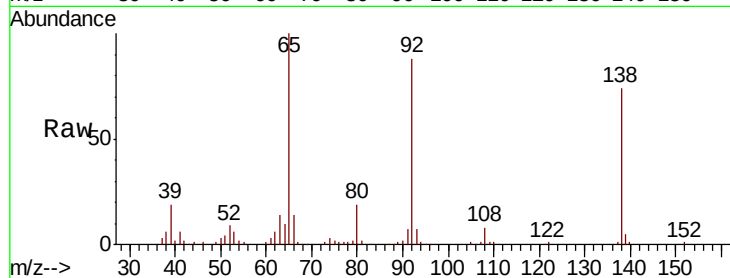




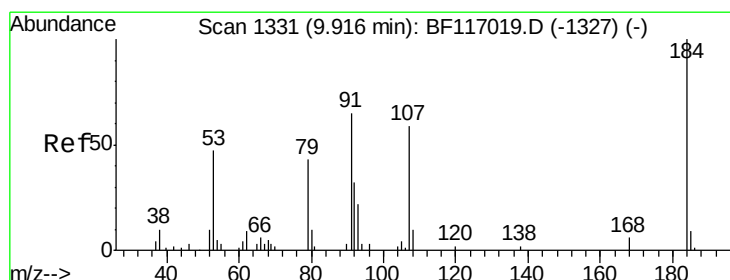
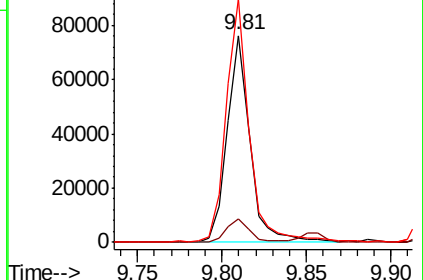
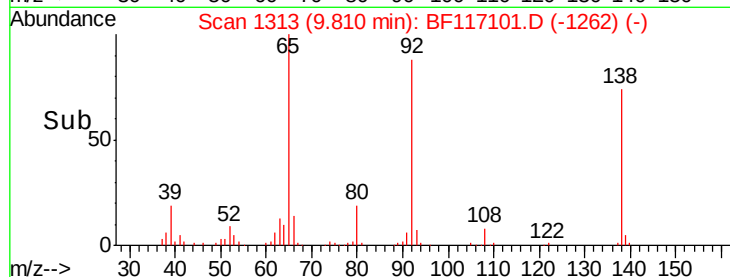
#53
3-Nitroaniline
Concen: 29.120 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:138 Resp: 71645
Ion Ratio Lower Upper
138 100
108 11.1 9.5 14.3
92 117.9 94.1 141.1

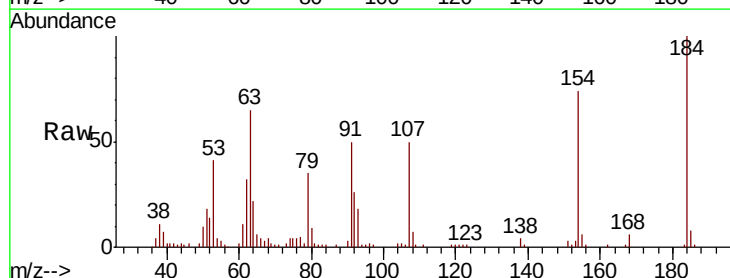


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

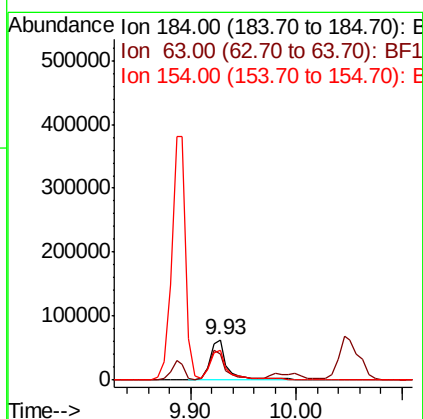
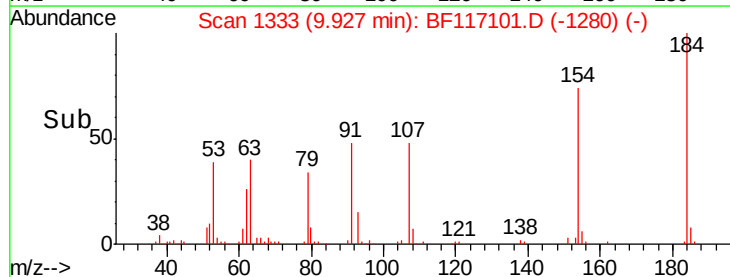


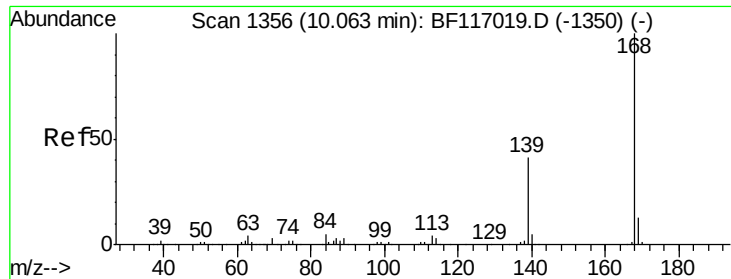
#54
2,4-Dinitrophenol
Concen: 87.883 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:184 Resp: 74858
Ion Ratio Lower Upper
184 100
63 65.3 63.8 95.6
154 73.5 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

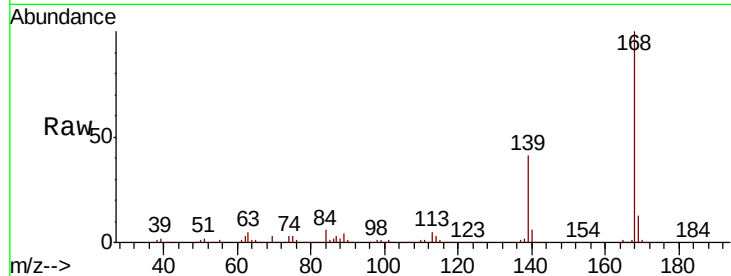




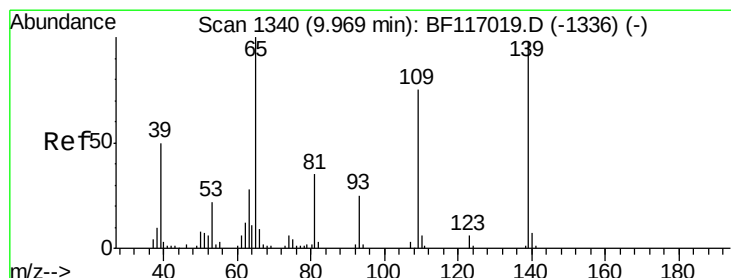
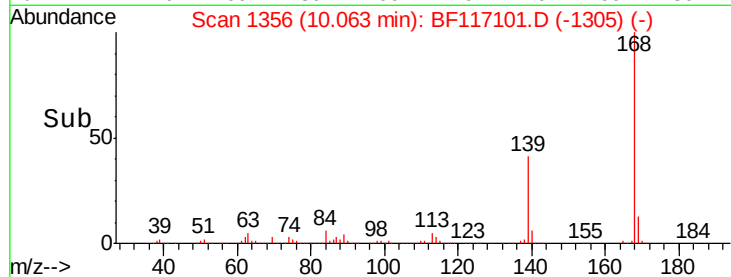
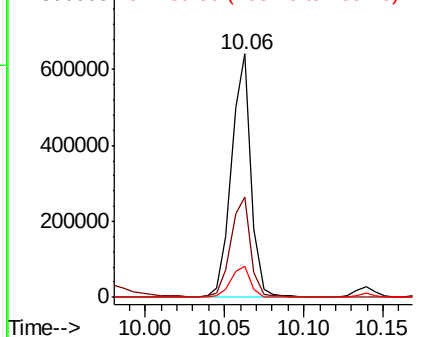
#55
Dibenzenofuran
Concen: 50.034 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion:168 Resp: 548783
Ion Ratio Lower Upper
168 100
139 41.3 32.8 49.2
169 13.0 10.5 15.7

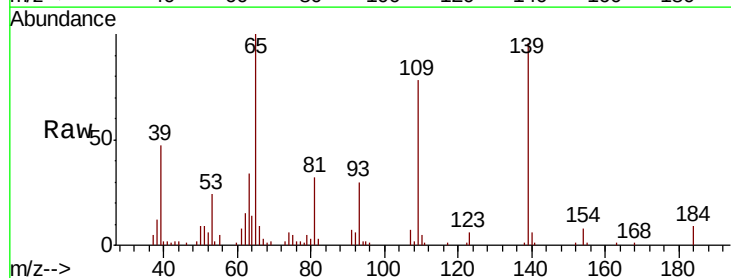


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

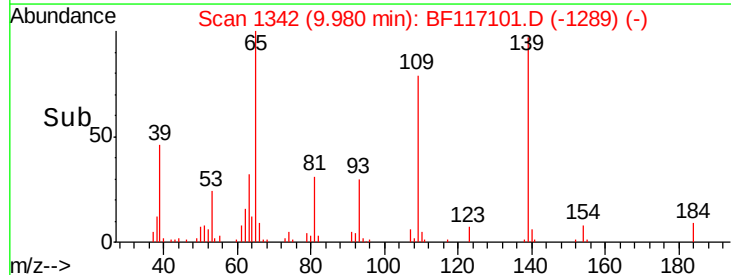
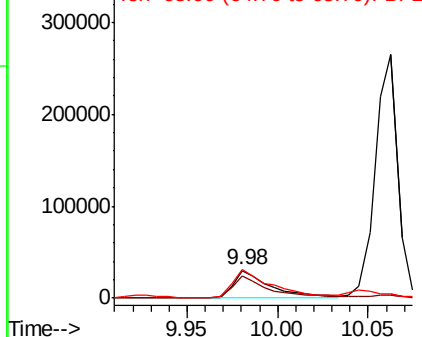


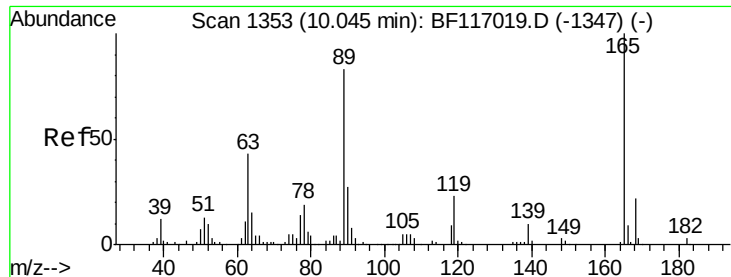
#56
4-Nitrophenol
Concen: 26.831 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:139 Resp: 42785
Ion Ratio Lower Upper
139 100
109 81.0 56.4 96.4
65 104.4 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

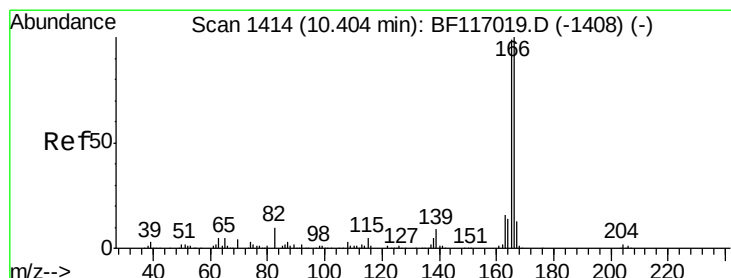
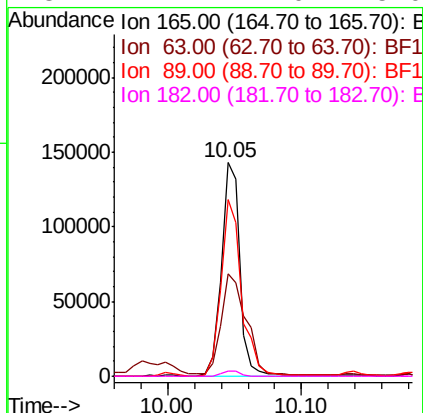
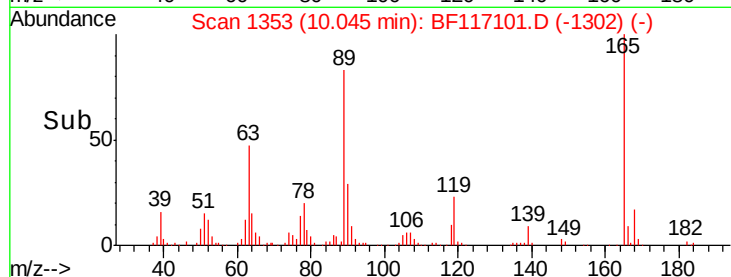
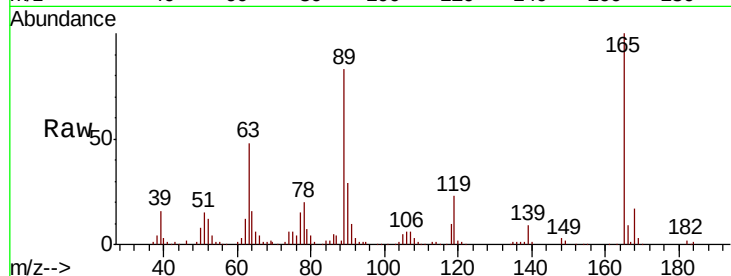




#57
 2,4-Dinitrotoluene
 Concen: 55.802 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

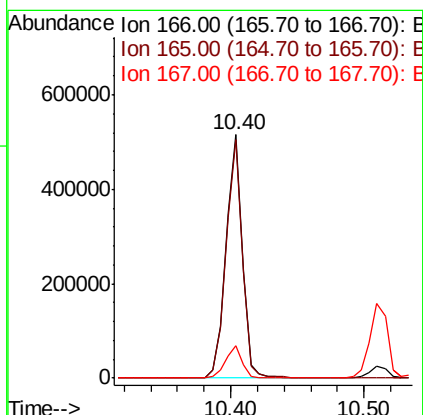
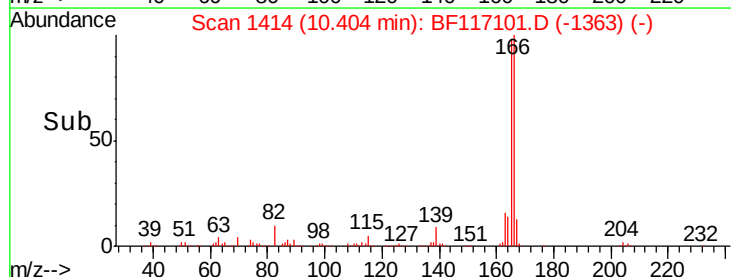
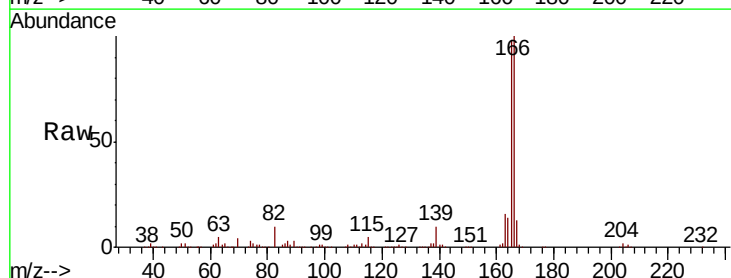
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

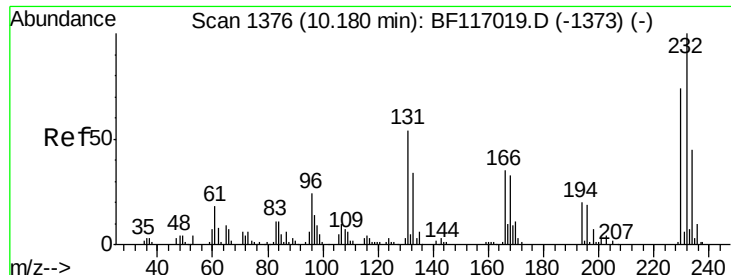
Tot Ion	Ratio	Lower	Upper
165	100		
63	48.0	35.0	52.4
89	82.5	66.1	99.1
182	2.2	2.0	3.0



#58
 Fluorene
 Concen: 50.755 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.9	118.3
167	13.3	10.6	15.8

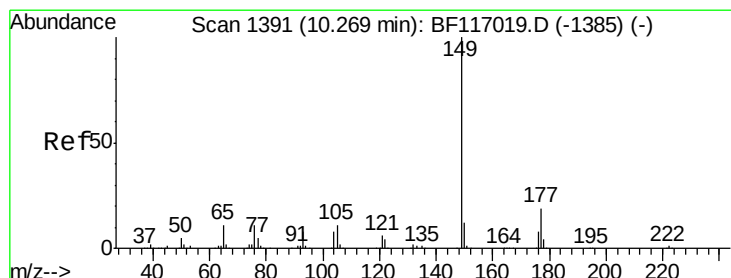
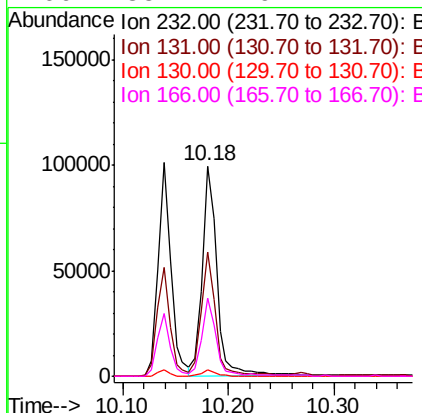
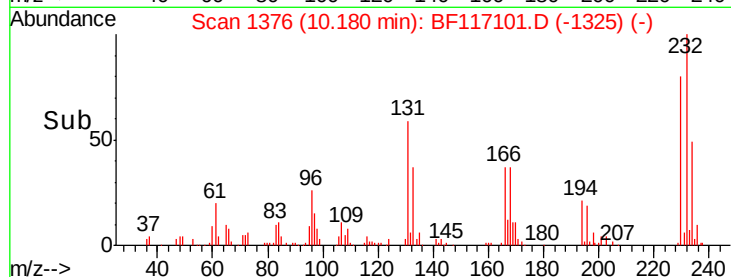
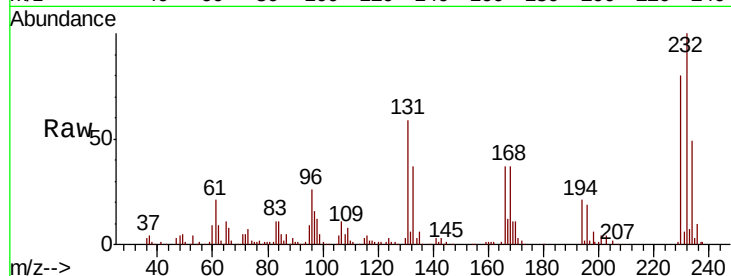




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.390 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

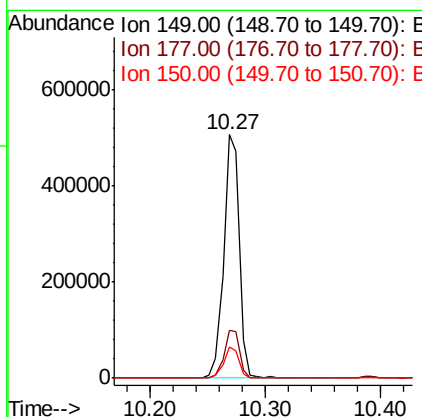
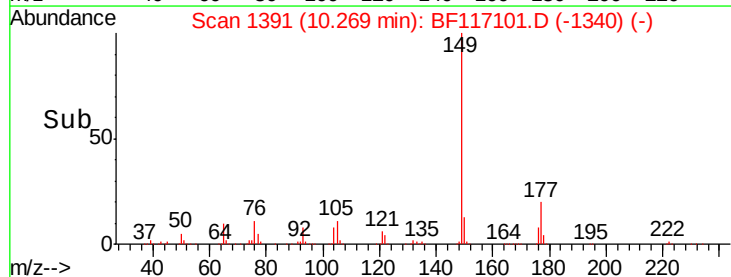
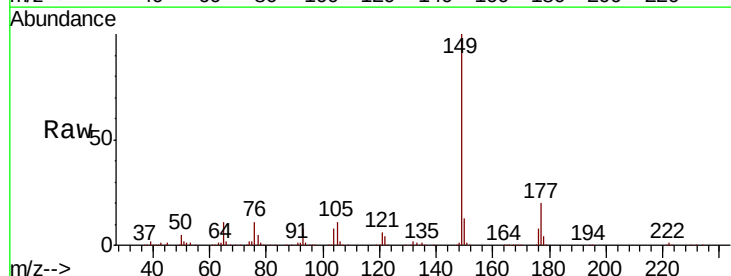
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

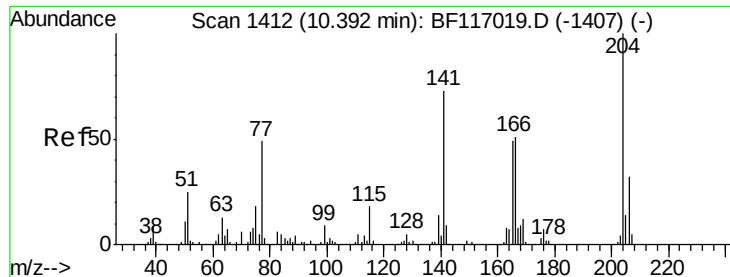
Tot Ion:232 Resp: 95691
 Ion Ratio Lower Upper
 232 100
 131 55.4 45.3 67.9
 130 2.9 1.8 2.8#
 166 35.2 29.4 44.2



#60
 Diethylphthalate
 Concen: 50.136 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion:149 Resp: 472266
 Ion Ratio Lower Upper
 149 100
 177 19.6 15.2 22.8
 150 12.9 9.9 14.9

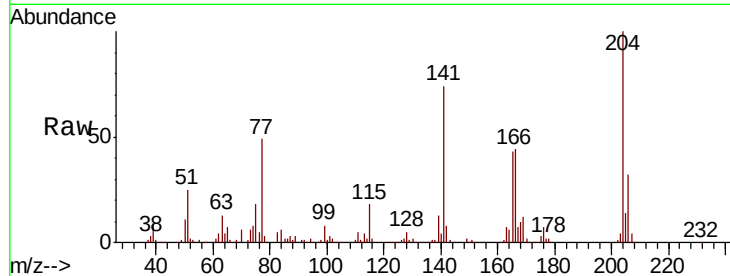




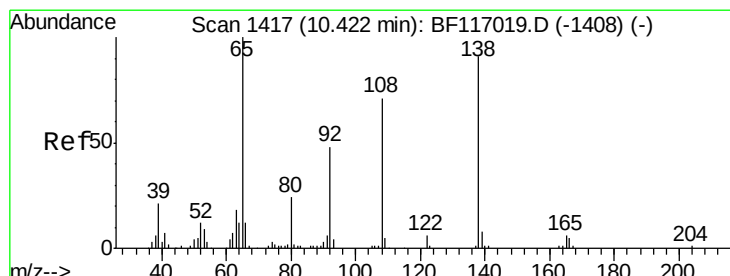
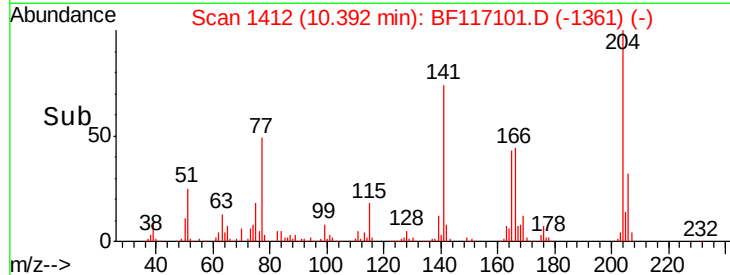
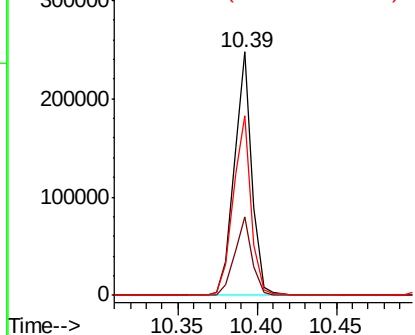
#61
4-Chlorophenyl-phenylether
Concen: 49.874 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.0	39.0
141	73.7	58.2	87.2

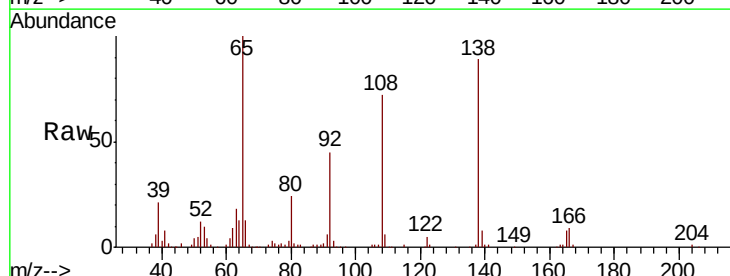


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

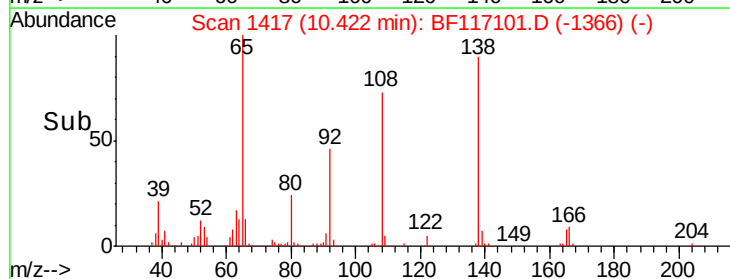
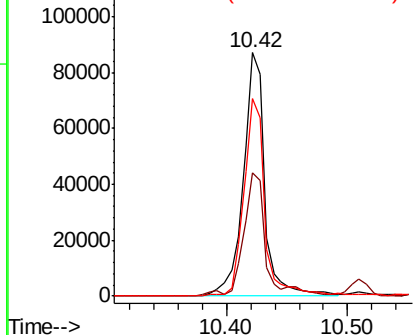


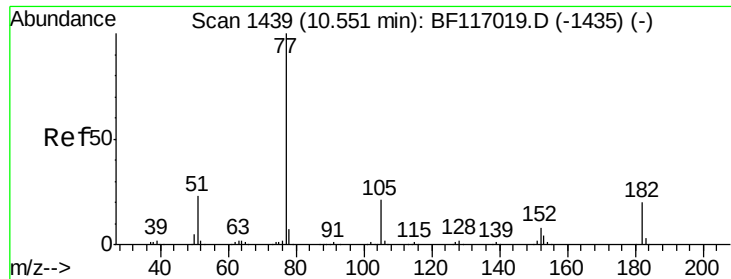
#62
4-Nitroaniline
Concen: 42.415 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.9	32.9	72.9
108	81.0	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: 50.438 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

Tot Ion: 77 Resp: 485250

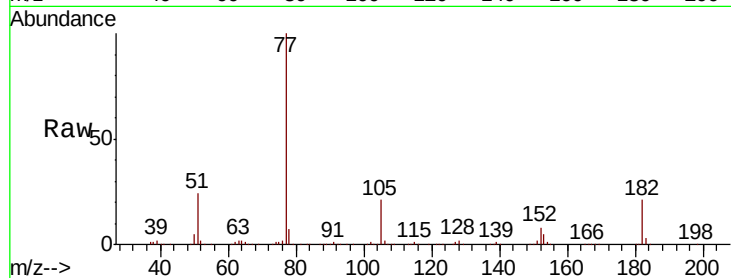
Ion Ratio Lower Upper

77 100

182 20.5 0.4 40.4

105 21.3 0.9 40.9

51 24.0 2.8 42.8

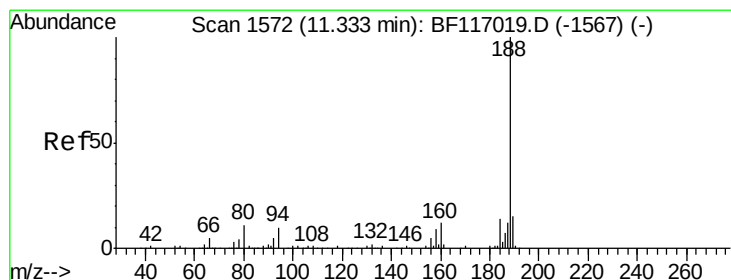
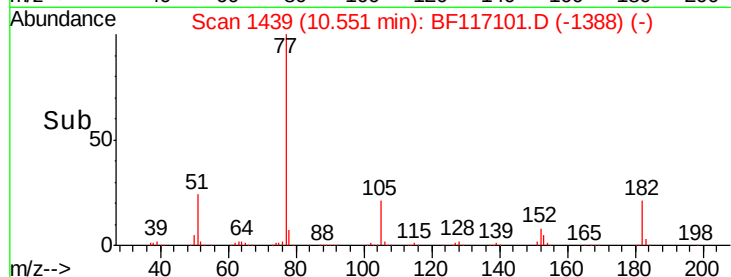
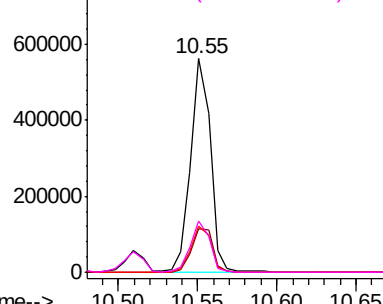


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

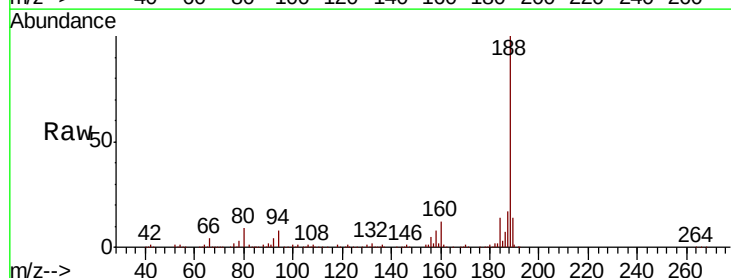
Tgt Ion: 188 Resp: 217061

Ion Ratio Lower Upper

188 100

94 7.7 8.2 12.2#

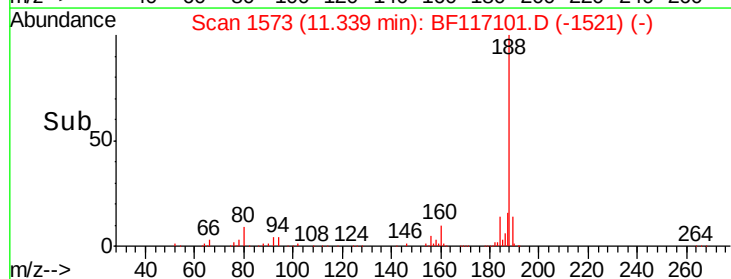
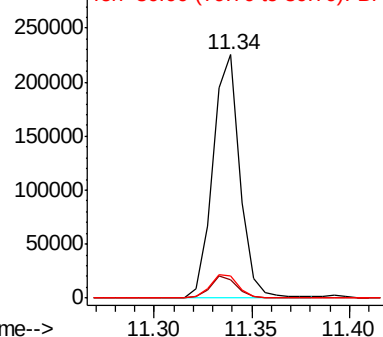
80 9.2 9.0 13.6

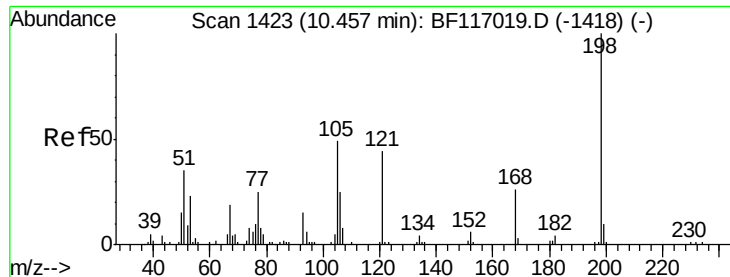


Abundance Ion 188.00 (187.70 to 188.70): E

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: 54.409 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

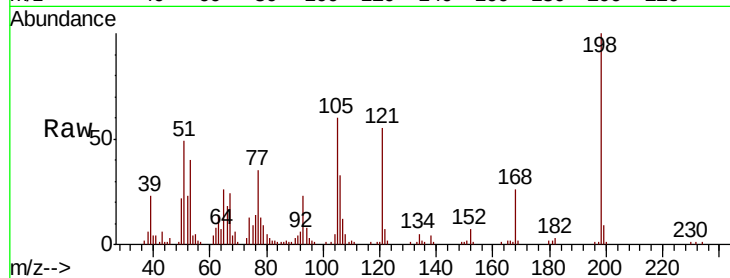
Tot Ion:198 Resp: 54876

Ion Ratio Lower Upper

198 100

51 49.4 18.7 58.7

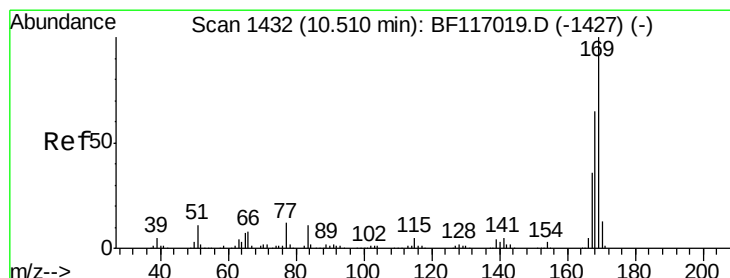
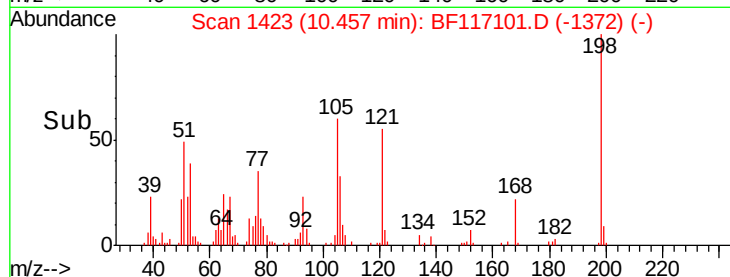
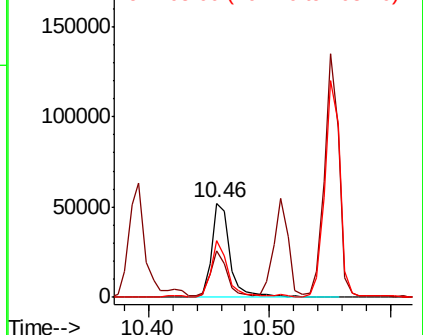
105 60.3 30.2 70.2



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: 52.655 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

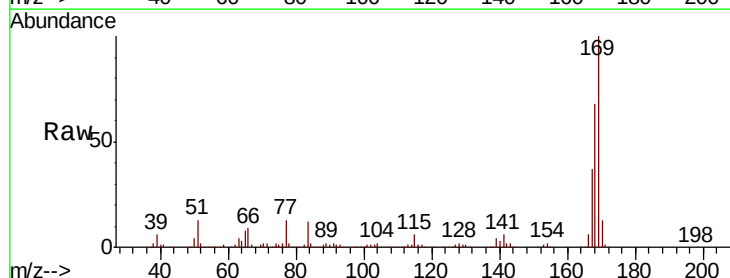
Tgt Ion:169 Resp: 394724

Ion Ratio Lower Upper

169 100

168 67.8 52.2 78.2

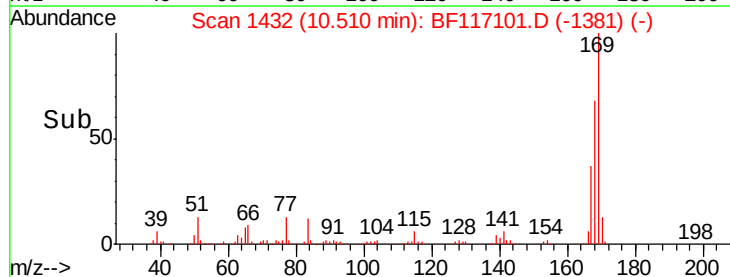
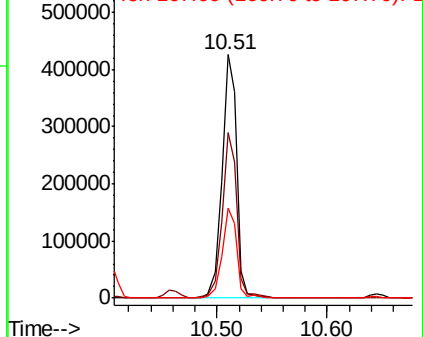
167 37.1 28.8 43.2

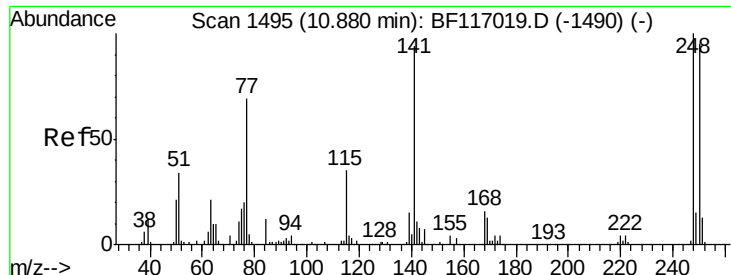


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

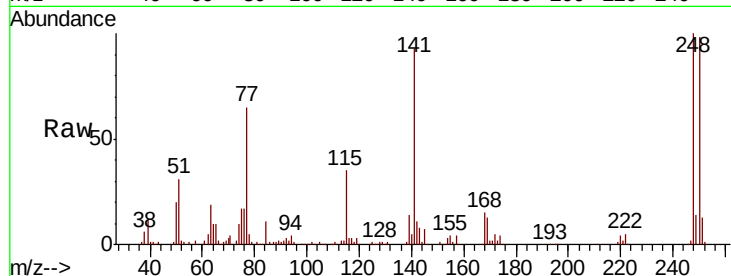




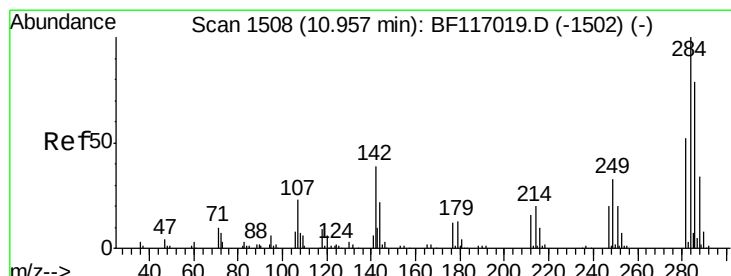
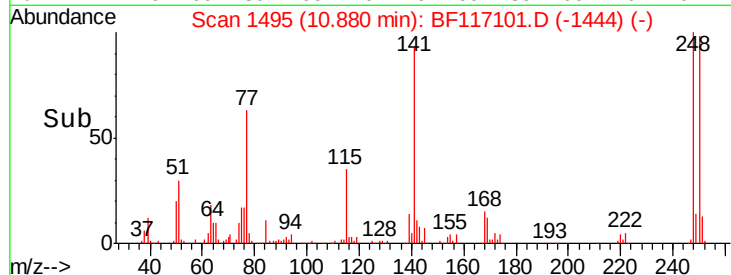
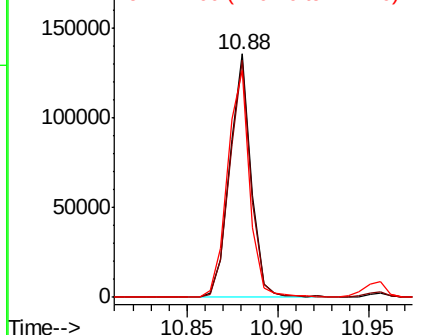
#67
 4-Bromophenyl-phenylether
 Concen: 50.204 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

Tot Ion:	248	Resp:	111288
Ion	Ratio	Lower	Upper
248	100		
250	97.6	76.2	114.4
141	93.0	75.0	112.4

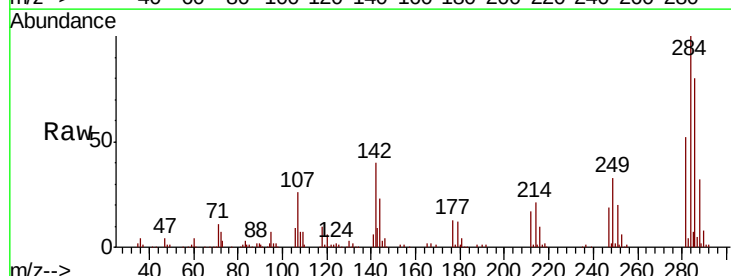


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

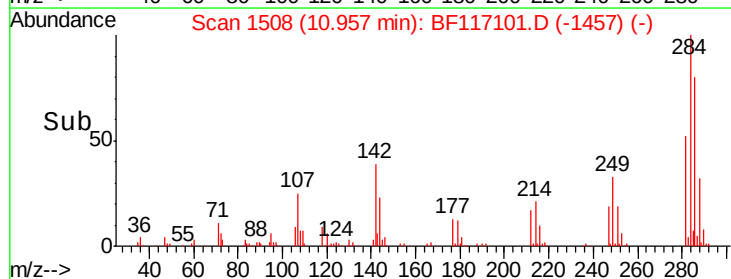
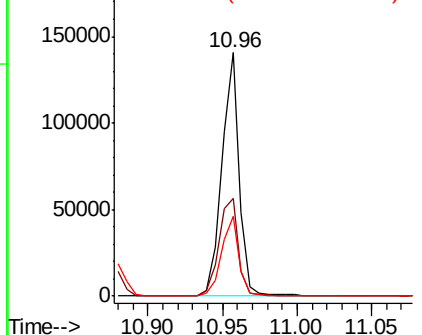


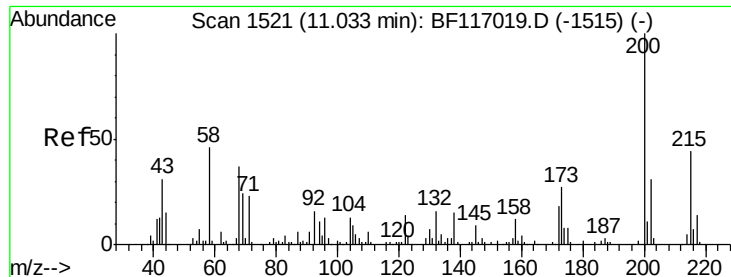
#68
 Hexachlorobenzene
 Concen: 47.679 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion:	284	Resp:	115601
Ion	Ratio	Lower	Upper
284	100		
142	40.2	31.4	47.2
249	32.8	26.5	39.7



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E

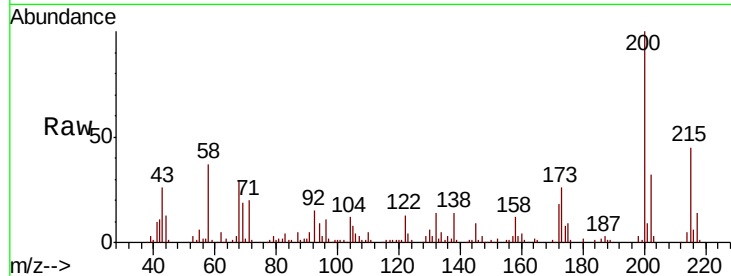




#69
Atrazine
Concen: 59.393 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.9	46.9
215	44.8	23.8	63.8

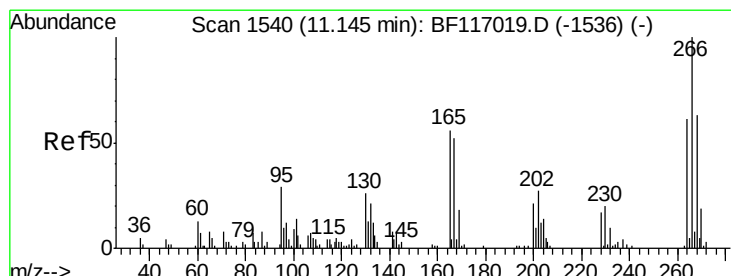
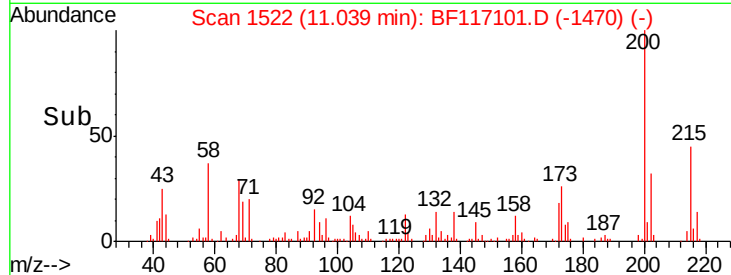
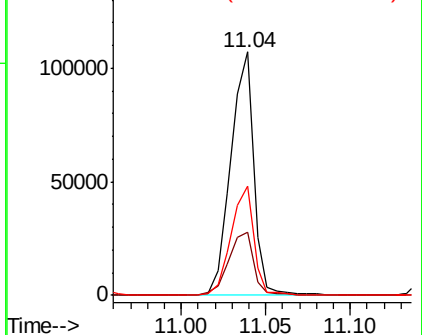


Abundance

Ion 200.00 (199.70 to 200.70): E

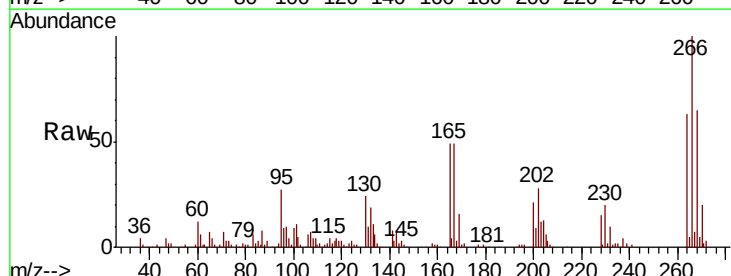
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 95.568 ng
RT: 11.15 min Scan# 1541
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.5	75.7
264	62.6	48.8	73.2

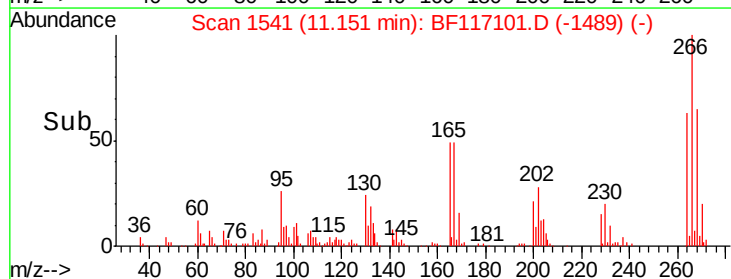
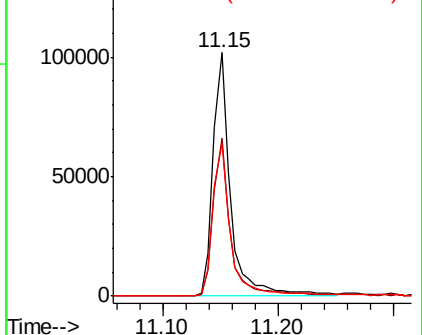


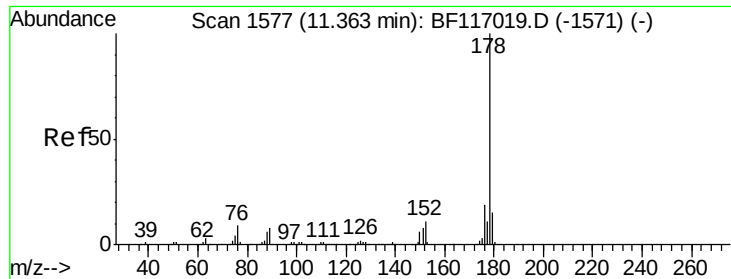
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

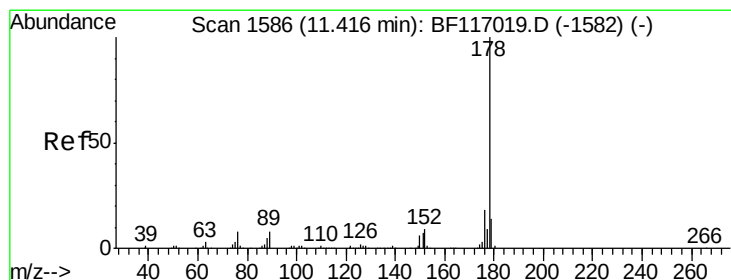
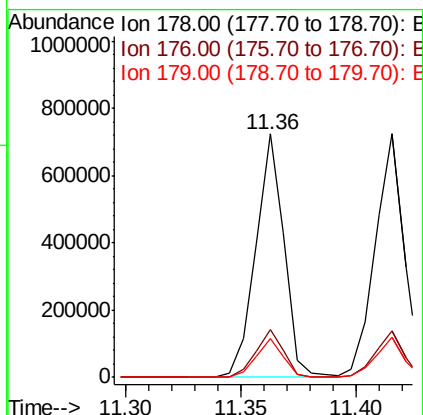
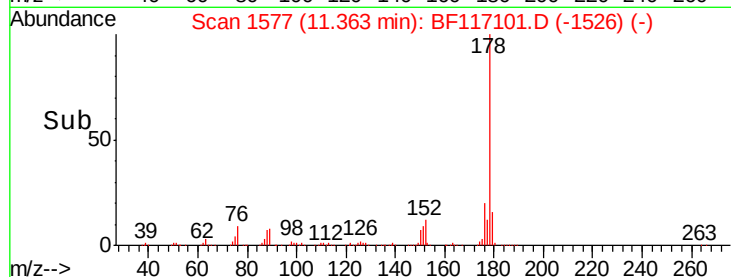
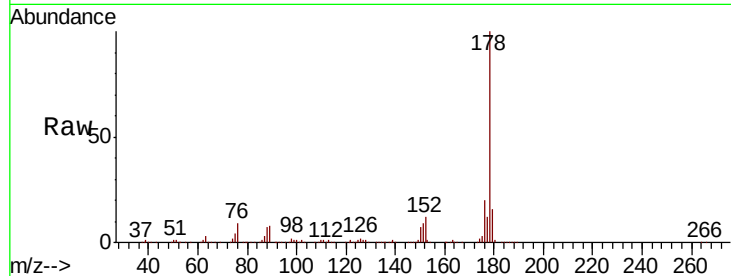




#71
Phenanthrene
Concen: 50.369 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

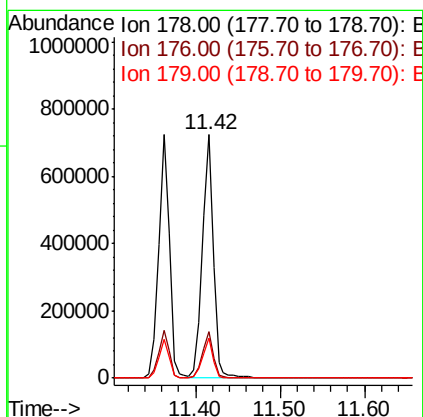
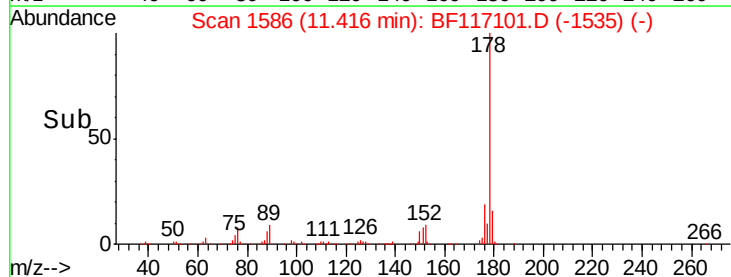
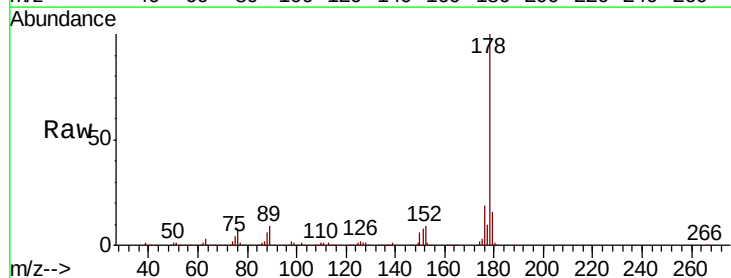
Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

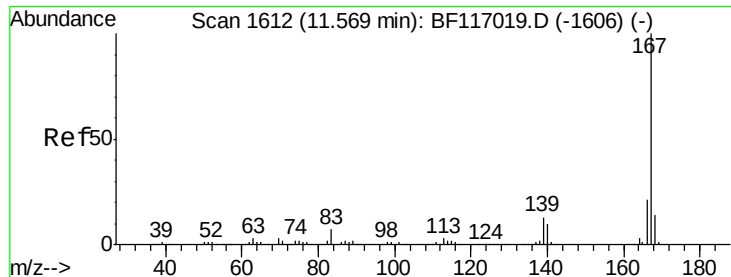
Tot Ion:178 Resp: 621001
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.7 12.4 18.6



#72
Anthracene
Concen: 51.462 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:178 Resp: 647745
Ion Ratio Lower Upper
178 100
176 19.2 14.6 21.8
179 16.2 11.6 17.4





#73

Carbazole

Concen: 51.299 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

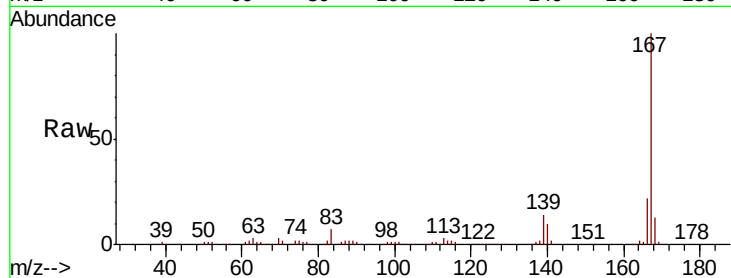
Tot Ion:167 Resp: 612897

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

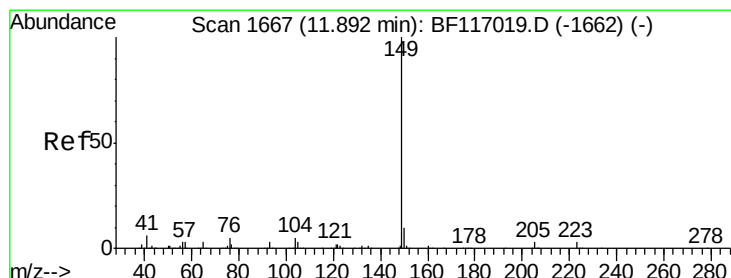
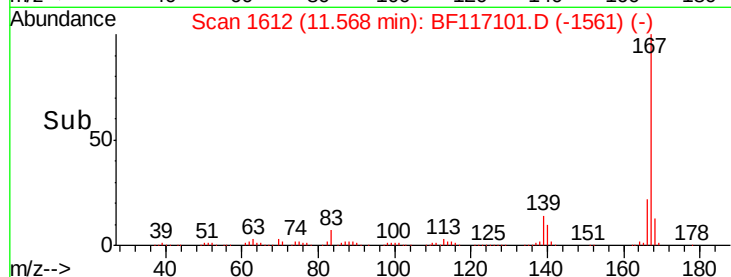
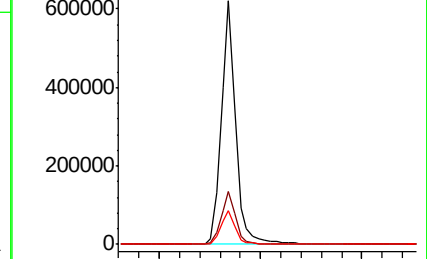
139 13.9 10.6 16.0



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: 51.044 ng

RT: 11.89 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

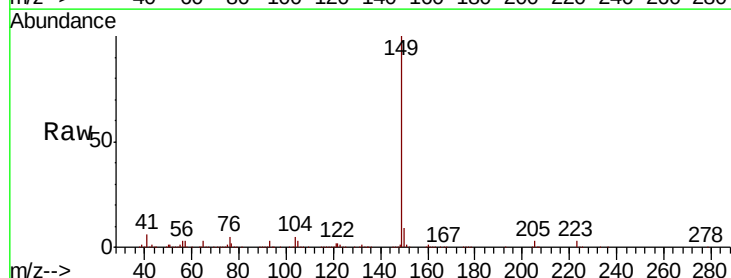
Tgt Ion:149 Resp: 725584

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

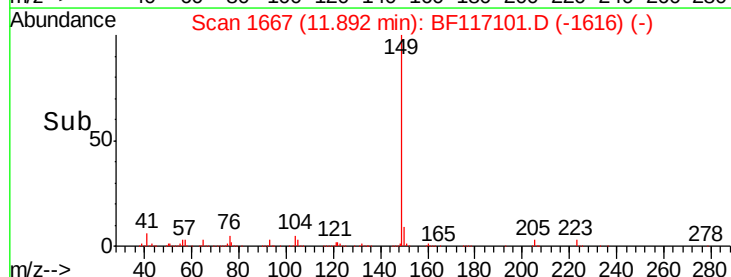
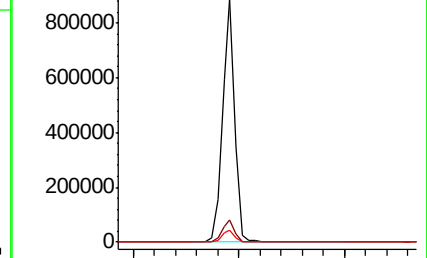
104 5.1 4.2 6.4

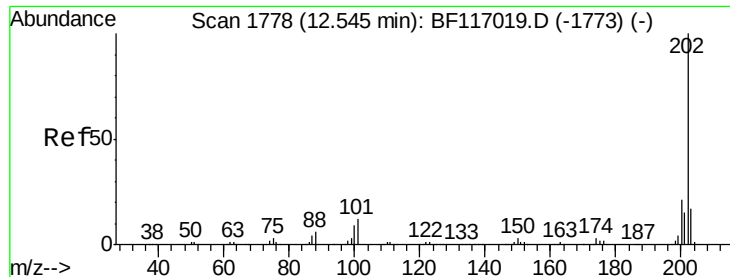


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

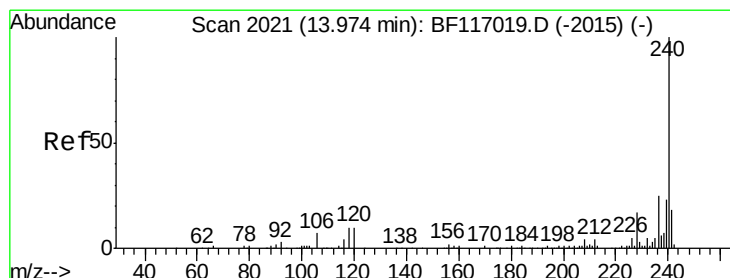
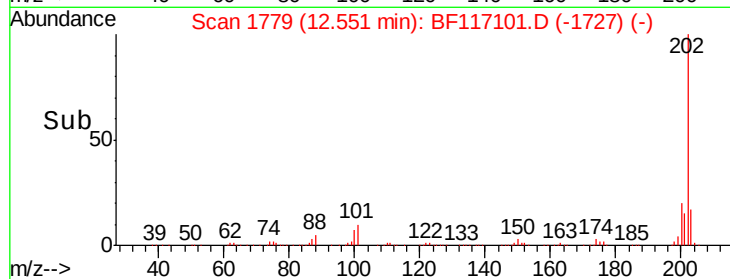
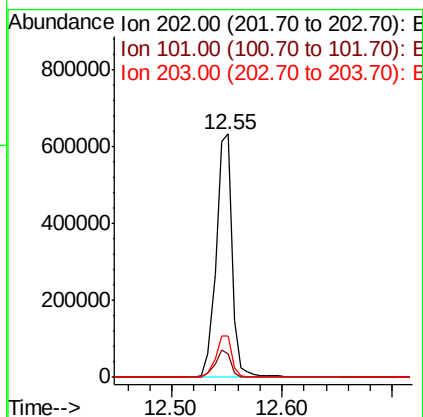
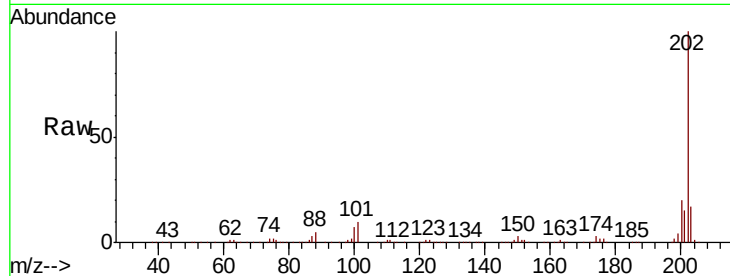




#75
 Fluoranthene
 Concen: 50.147 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

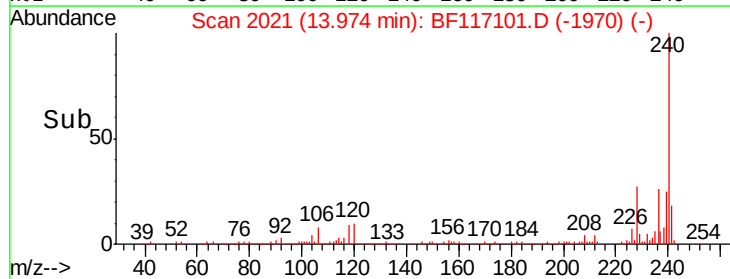
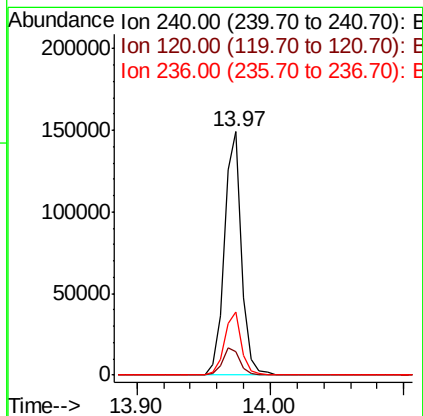
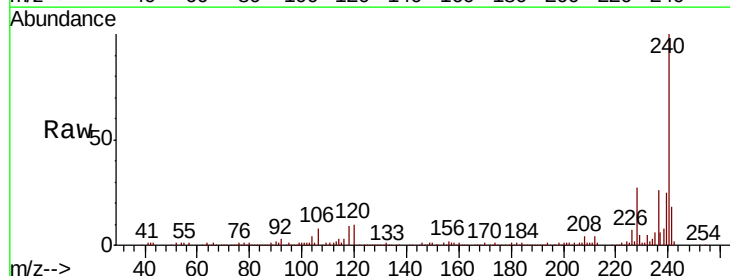
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MS

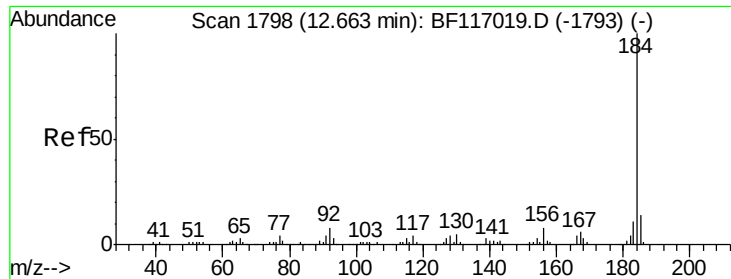
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.3
203	16.9	0.0	37.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117101.D
 Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.3	12.5
236	26.0	20.3	30.5

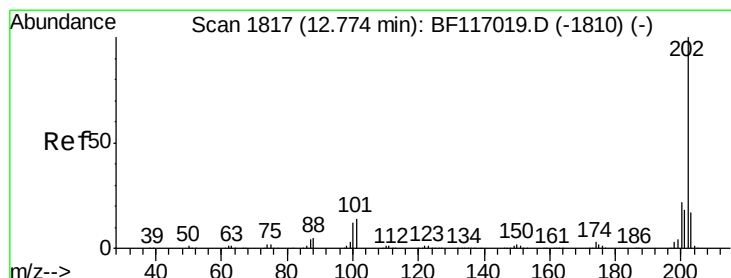
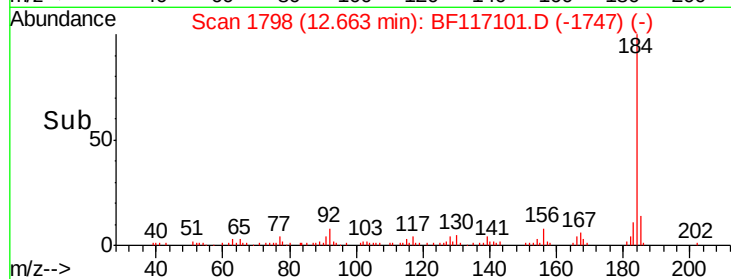
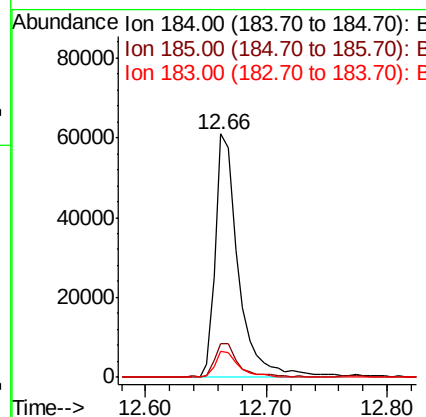
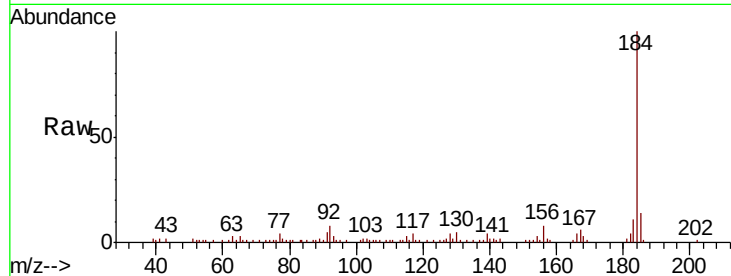




#77
Benzidine
Concen: 18.430 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

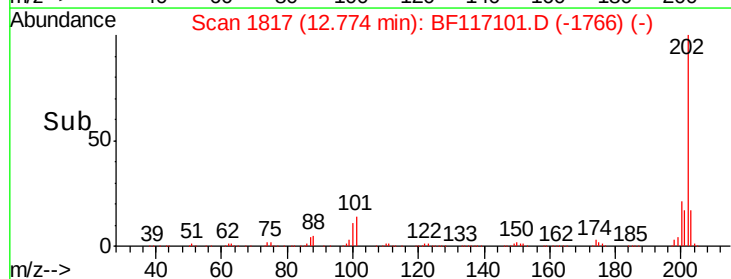
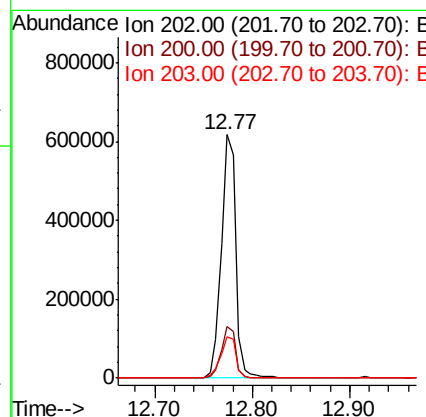
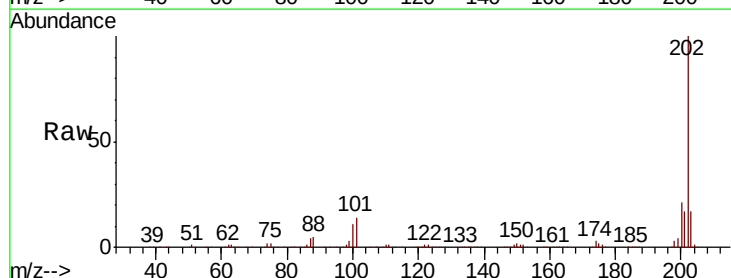
Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

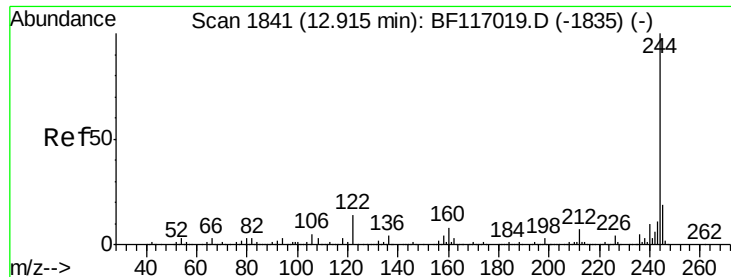
Tot Ion:184 Resp: 80286
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 10.9 9.0 13.4



#78
Pyrene
Concen: 56.264 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:202 Resp: 638427
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.1 14.0 21.0





#79

Terphenyl-d14

Concen: 106.475 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampled :

Z2-0157MS

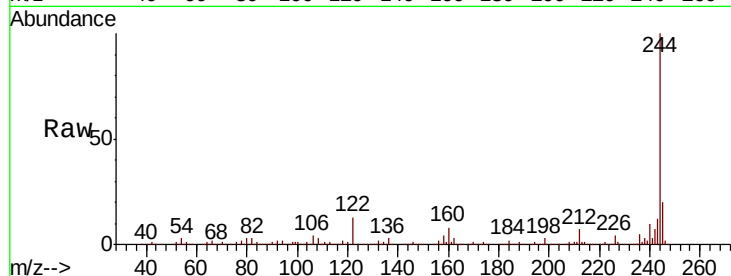
Tot Ion:244 Resp: 770308

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

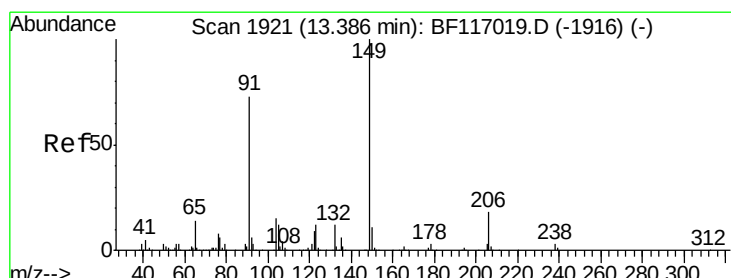
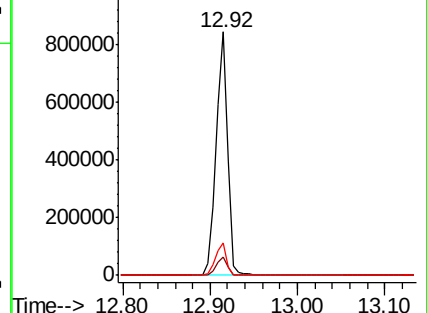
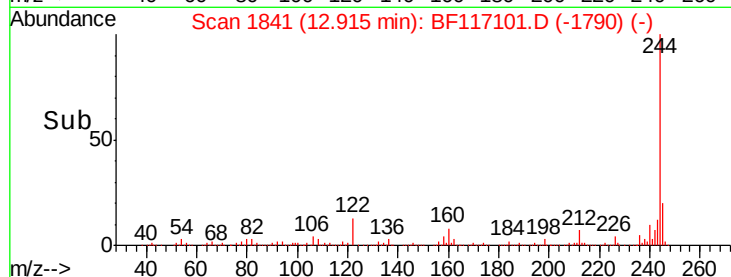
122 13.2 11.3 16.9



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: 54.264 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

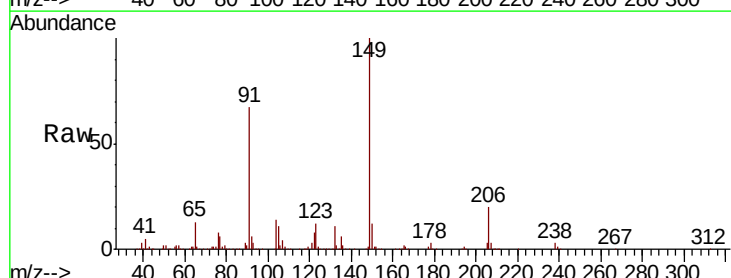
Tgt Ion:149 Resp: 290945

Ion Ratio Lower Upper

149 100

91 67.5 58.8 88.2

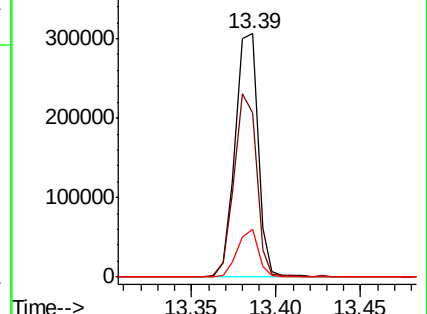
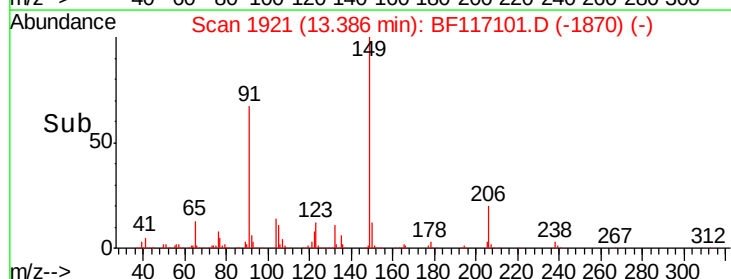
206 19.7 14.1 21.1

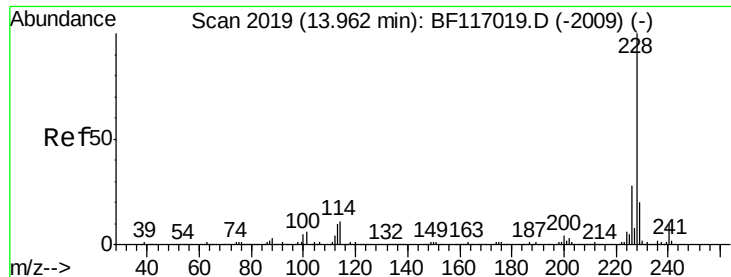


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.732 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

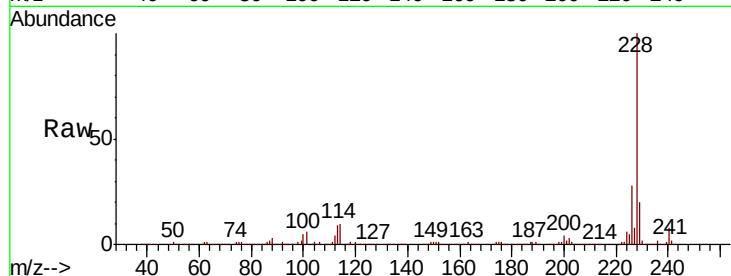
Tot Ion:228 Resp: 458368

Ion Ratio Lower Upper

228 100

226 27.8 22.3 33.5

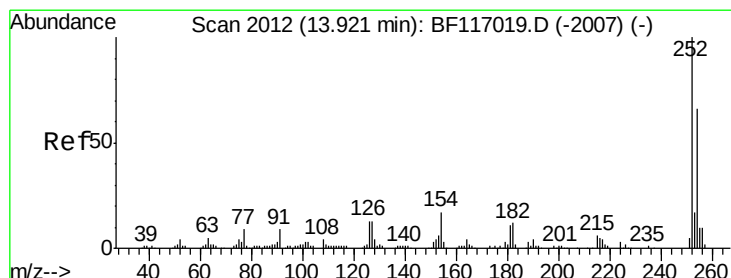
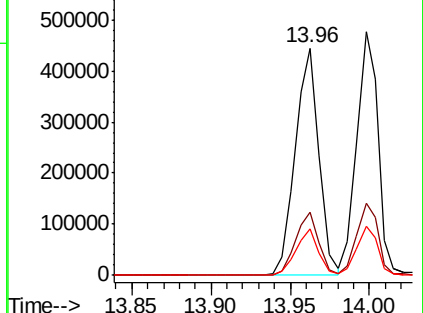
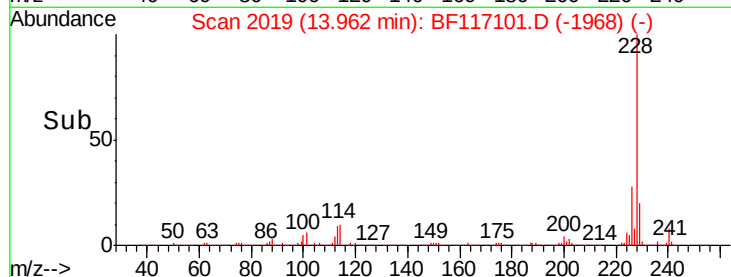
229 20.3 15.9 23.9



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: 37.422 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

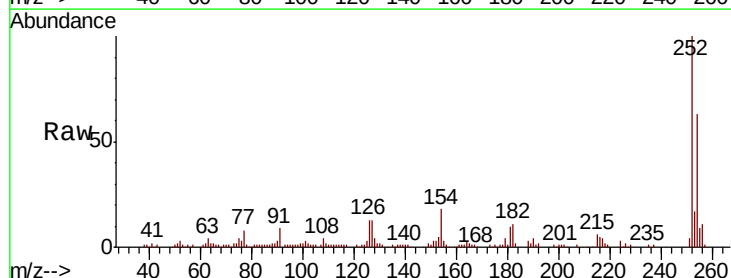
Tgt Ion:252 Resp: 108954

Ion Ratio Lower Upper

252 100

254 63.1 52.6 79.0

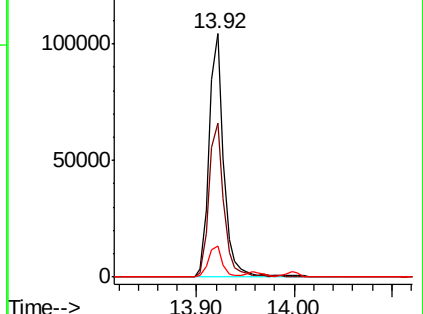
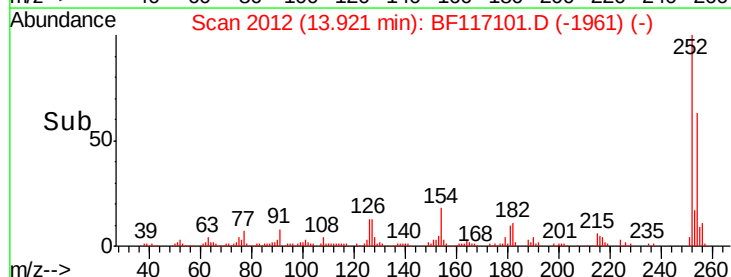
126 12.7 10.4 15.6

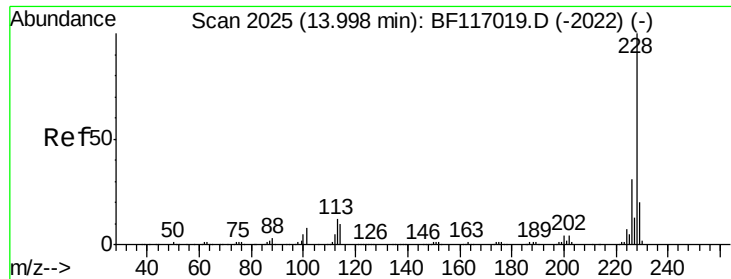


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 51.183 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

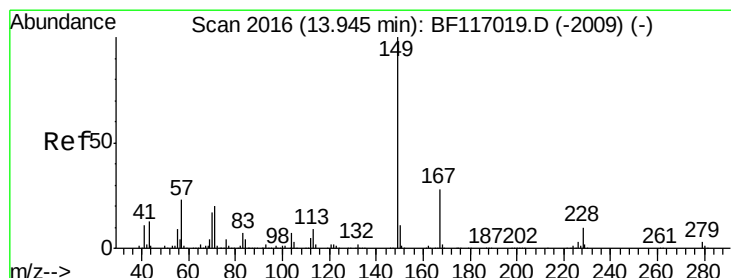
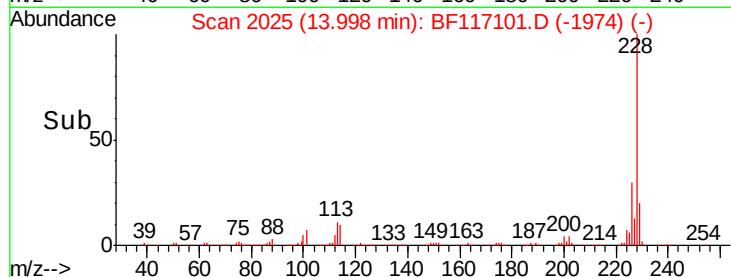
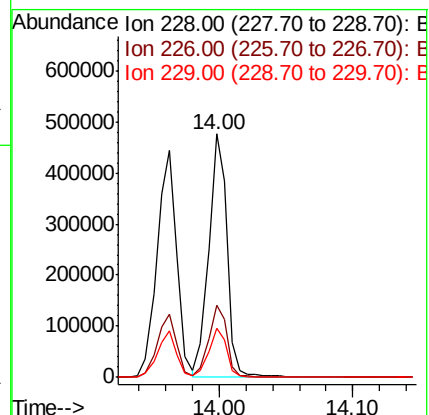
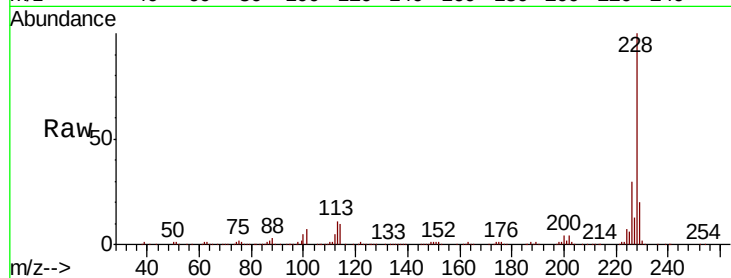
Tot Ion:228 Resp: 451031

Ion Ratio Lower Upper

228 100

226 29.6 24.8 37.2

229 20.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.885 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

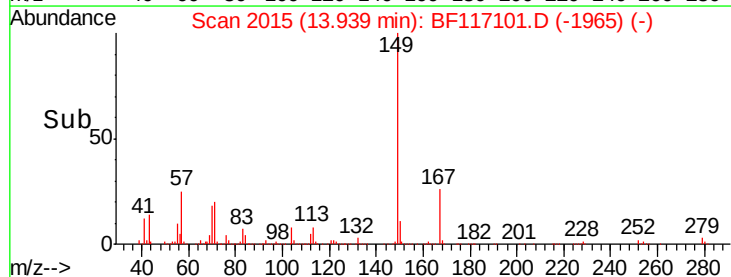
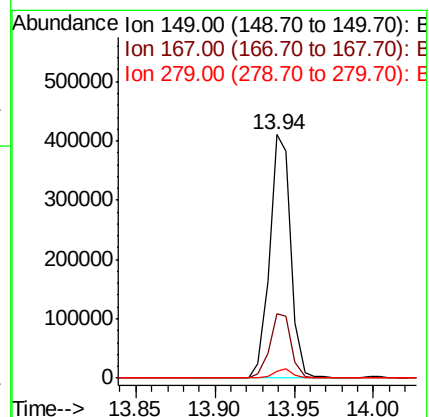
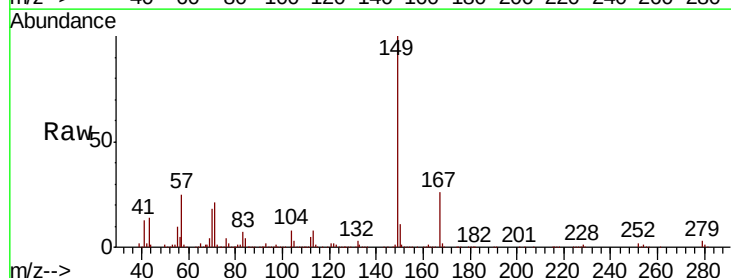
Tgt Ion:149 Resp: 386339

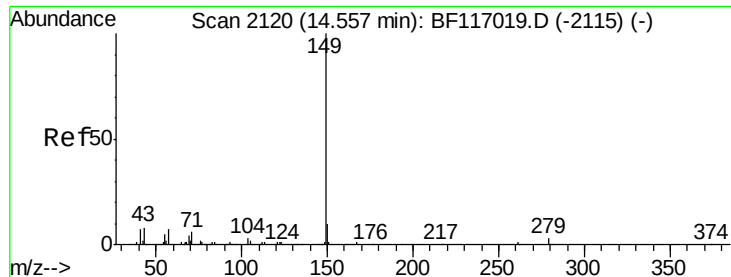
Ion Ratio Lower Upper

149 100

167 26.4 22.2 33.2

279 2.9 2.8 4.2

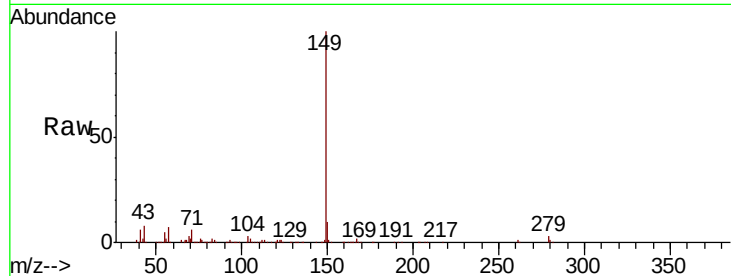




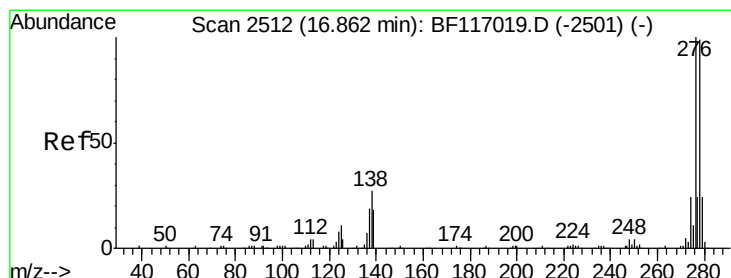
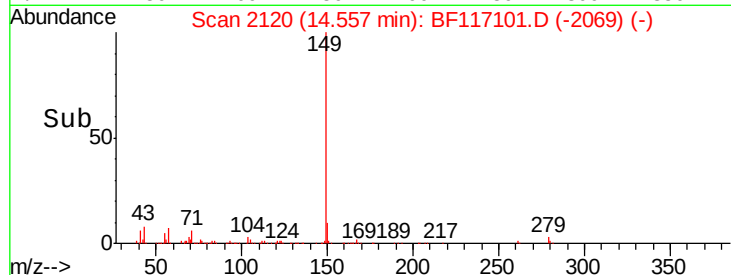
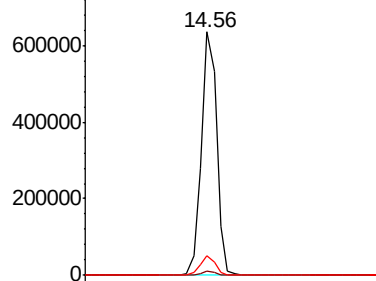
#85
Di-n-octyl phthalate
Concen: 53.629 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

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

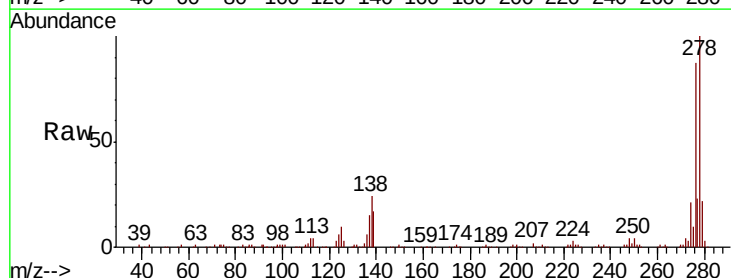


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

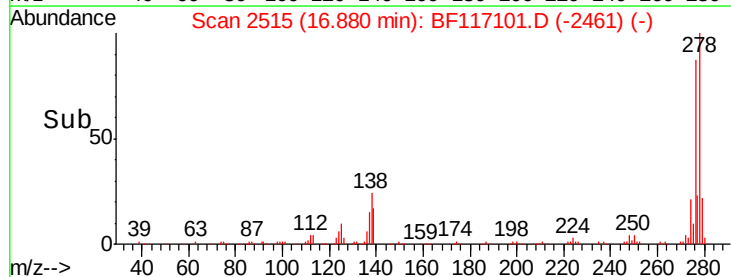
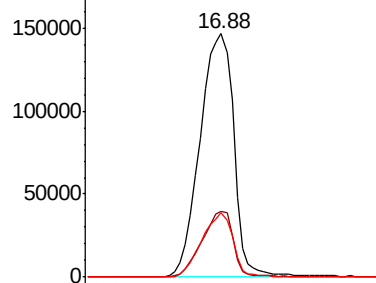


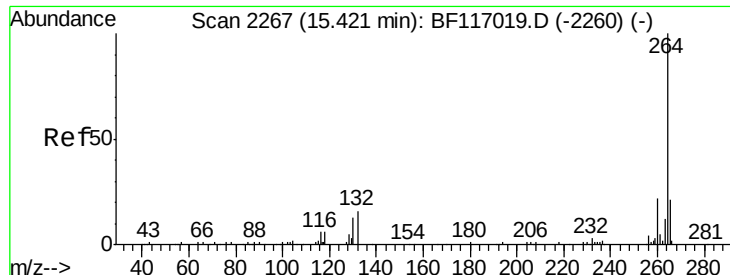
#86
Indeno(1,2,3-cd)pyrene
Concen: 59.937 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.02 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.8	20.7	31.1
277	24.5	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: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

Instrument :

BNA_F

ClientSampleId :

Z2-0157MS

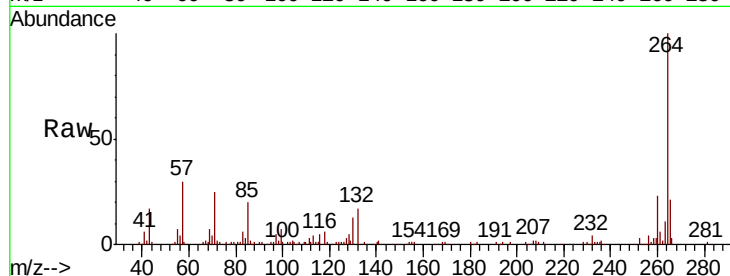
Tot Ion:264 Resp: 122669

Ion Ratio Lower Upper

264 100

260 22.8 17.6 26.4

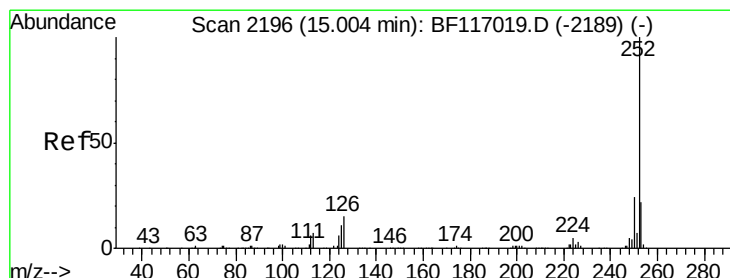
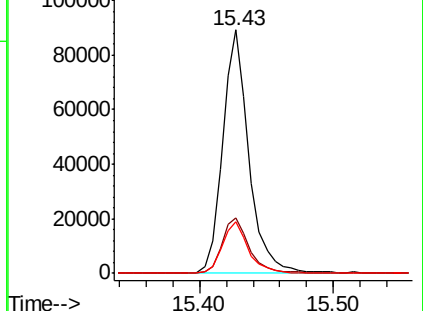
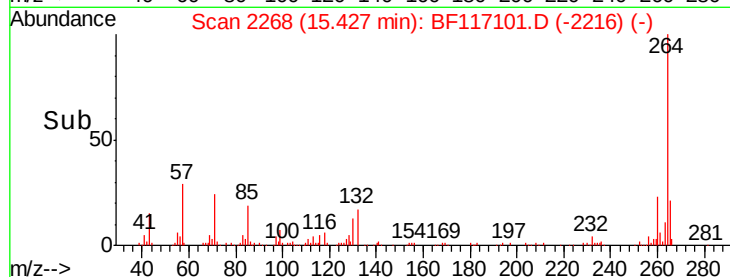
265 21.2 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.737 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117101.D

Acq: 17 Sep 2019 12:50

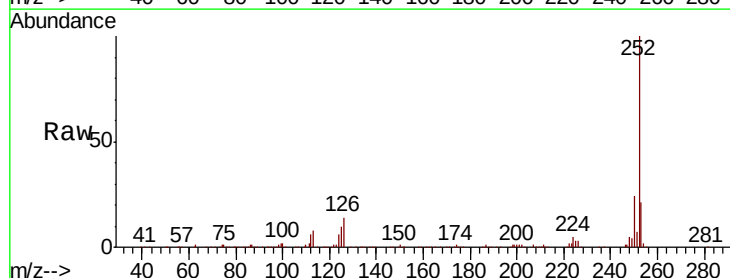
Tgt Ion:252 Resp: 354709

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

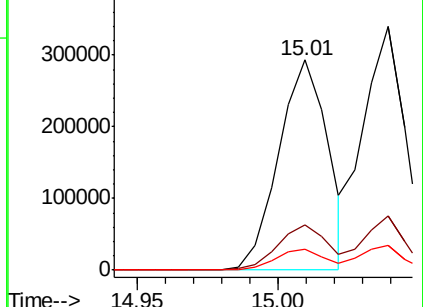
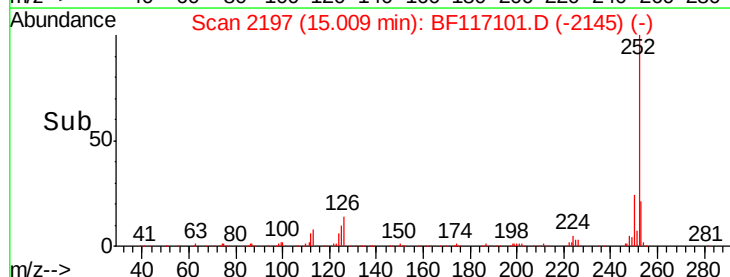
125 9.9 8.6 12.8

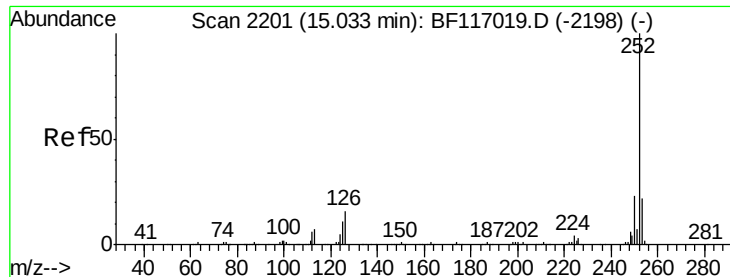


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

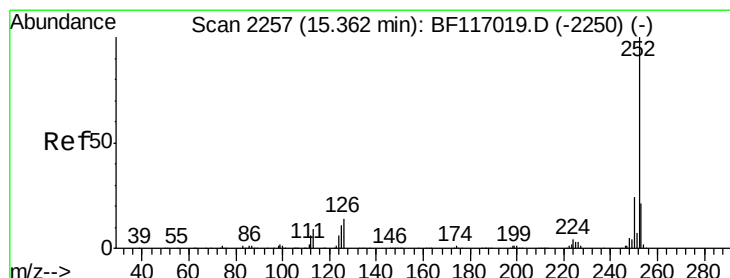
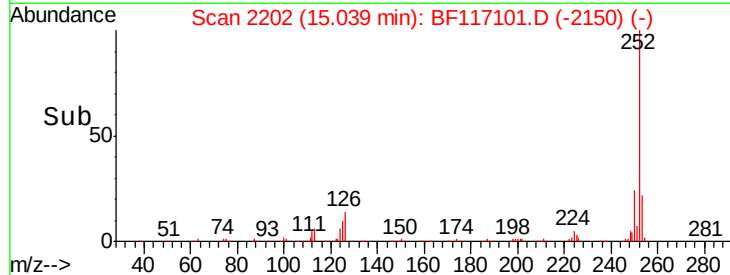
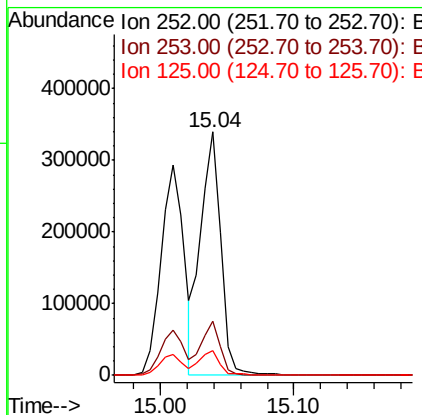
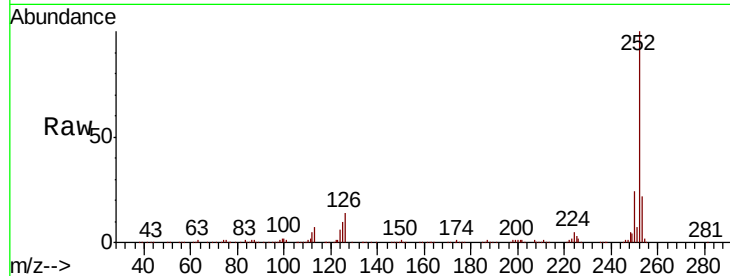




#89
Benzo(k)fluoranthene
Concen: 50.562 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

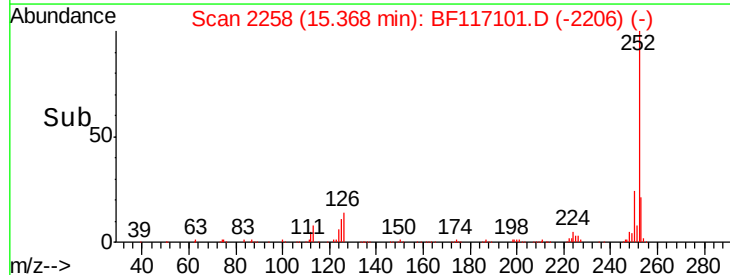
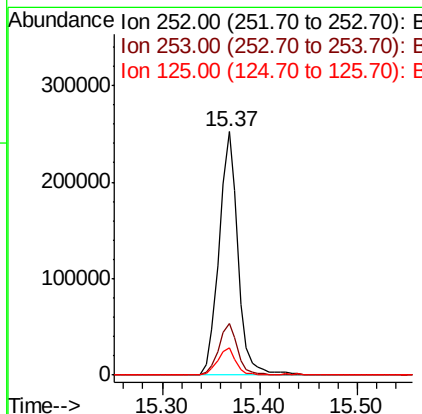
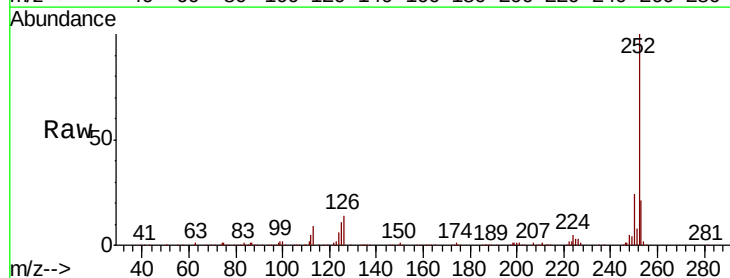
Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

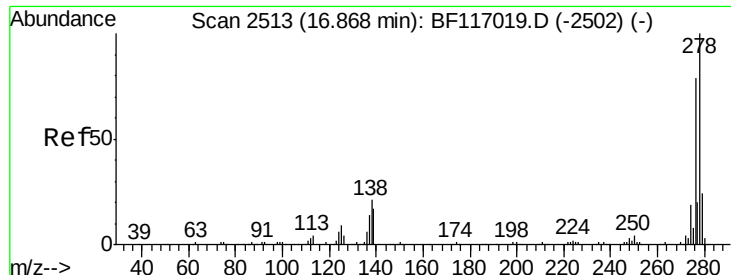
Tot Ion:252 Resp: 355890
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 10.2 8.8 13.2



#90
Benzo(a)pyrene
Concen: 51.960 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion:252 Resp: 338798
Ion Ratio Lower Upper
252 100
253 21.1 16.6 25.0
125 11.1 8.9 13.3

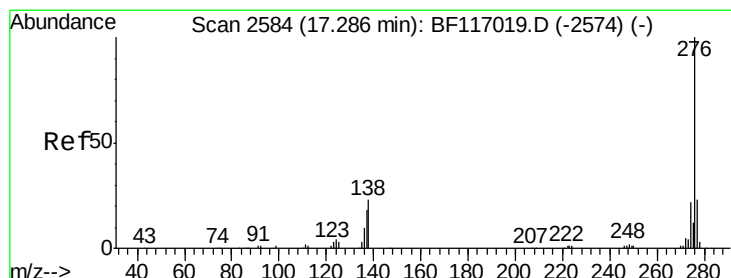
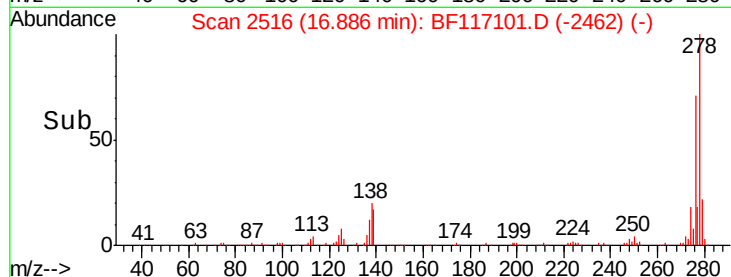
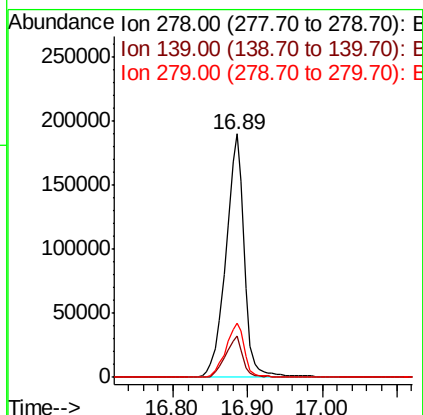
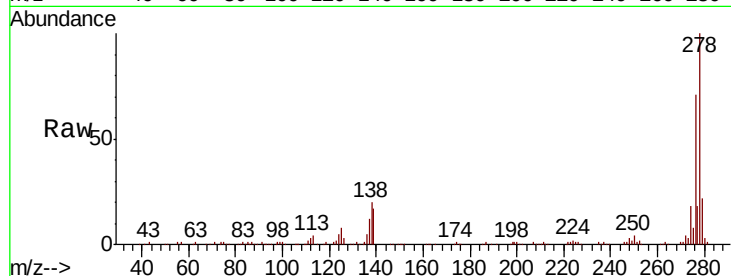




#91
Dibenzo(a,h)anthracene
Concen: 63.148 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Instrument :
BNA_F
ClientSampleId :
Z2-0157MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.5	20.3
279	22.2	18.8	28.2



#92
Benzo(g,h,i)perylene
Concen: 62.350 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BF117101.D
Acq: 17 Sep 2019 12:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	27.8
138	19.9	18.0	27.0

