

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117102.D
 Acq On : 17 Sep 2019 13:17
 Operator : HP/JU
 Sample : K4887-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Quant Time: Sep 17 17:53:31 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	62153	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	245469	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	127934	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	208693	20.00	ng	0.00
76) Chrysene-d12	13.97	240	139868	20.00	ng	0.00
87) Perylene-d12	15.42	264	129641	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	226508	56.90	ng	0.00
7) Phenol-d6	6.46	99	190690	37.06	ng	0.00
23) Nitrobenzene-d5	7.39	82	450429	96.41	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	160328	149.95	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	789816	96.53	ng	0.00
79) Terphenyl-d14	12.92	244	762285	101.87	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.57	88	25958	15.583	ng	# 91
3) Pyridine	3.34	79	50364	11.046	ng	95
4) n-Nitrosodimethylamine	3.25	42	24262	15.506	ng	# 86
6) Aniline	6.49	93	161133	24.325	ng	98
8) 2-Chlorophenol	6.62	128	164797	38.372	ng	96
9) Benzaldehyde	6.37	77	167465	72.910	ng	# 86
10) Phenol	6.47	94	92299	16.273	ng	97
11) bis(2-Chloroethyl)ether	6.56	93	188064	45.115	ng	98
12) 1,3-Dichlorobenzene	6.77	146	184091	38.199	ng	96
13) 1,4-Dichlorobenzene	6.84	146	188157	38.258	ng	99
14) 1,2-Dichlorobenzene	7.00	146	182728	39.906	ng	98
15) Benzyl Alcohol	6.97	79	116049	29.414	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.10	45	178837	43.424	ng	88
17) 2-Methylphenol	7.09	107	111244	30.907	ng	93
18) Hexachloroethane	7.33	117	76901	40.645	ng	97
19) n-Nitroso-di-n-propylamine	7.24	70	153536	49.009	ng	98
20) 3+4-Methylphenols	7.23	107	123732	27.598	ng	# 46
22) Acetophenone	7.23	105	328714	52.707	ng	96
24) Nitrobenzene	7.41	77	226514	49.097	ng	94
25) Isophorone	7.65	82	416995	50.411	ng	100
26) 2-Nitrophenol	7.72	139	107898	54.447	ng	93
27) 2,4-Dimethylphenol	7.76	122	158383	50.399	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	245871	48.244	ng	99
29) 2,4-Dichlorophenol	7.97	162	160279	48.675	ng	96
30) 1,2,4-Trichlorobenzene	8.05	180	148916	41.860	ng	96
31) Naphthalene	8.13	128	623275	52.795	ng	100
32) Benzoic acid	7.86	122	23424	15.109	ng	94
33) 4-Chloroaniline	8.17	127	170604	32.582	ng	98
34) Hexachlorobutadiene	8.25	225	81136	40.199	ng	97
35) Caprolactam	8.55	113	8641	7.753	ng	91
36) 4-Chloro-3-methylphenol	8.66	107	175247	45.643	ng	99
37) 2-Methylnaphthalene	8.82	142	406950	51.190	ng	99
38) 1-Methylnaphthalene	8.92	142	387118	51.993	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	151531	45.868	ng	98

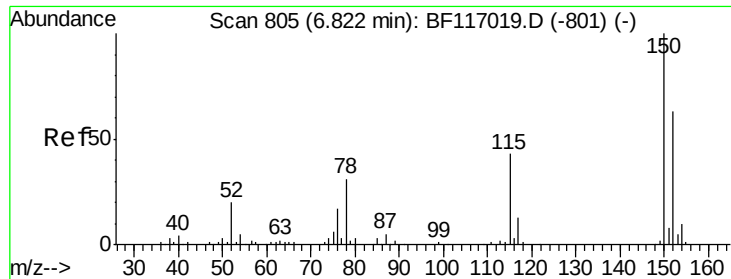
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117102.D
 Acq On : 17 Sep 2019 13:17
 Operator : HP/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	112968	77.620	ng	100
43) 2,4,6-Trichlorophenol	9.10	196	108122	48.227	ng	98
44) 2,4,5-Trichlorophenol	9.14	196	120158	50.164	ng	97
46) 1,1'-Biphenyl	9.28	154	474971	47.331	ng	98
47) 2-Chloronaphthalene	9.30	162	370438	46.773	ng	100
48) 2-Nitroaniline	9.40	65	127992	50.385	ng	94
49) Acenaphthylene	9.72	152	587433	49.512	ng	99
50) Dimethylphthalate	9.57	163	457776	50.536	ng	100
51) 2,6-Dinitrotoluene	9.64	165	99705	54.044	ng	89
52) Acenaphthene	9.89	154	341781	48.596	ng	99
53) 3-Nitroaniline	9.81	138	75216	32.313	ng	99
54) 2,4-Dinitrophenol	9.93	184	75075	92.611	ng	93
55) Dibenzofuran	10.06	168	518502	49.968	ng	98
56) 4-Nitrophenol	9.98	139	41832	27.729	ng	96
57) 2,4-Dinitrotoluene	10.05	165	134806	56.292	ng	96
58) Fluorene	10.40	166	428394	51.251	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.18	232	94326	51.460	ng	98
60) Diethylphthalate	10.27	149	454459	50.995	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	181294	50.129	ng	97
62) 4-Nitroaniline	10.42	138	111388	46.015	ng	92
63) Azobenzene	10.55	77	462139	50.774	ng	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	54592	56.058	ng	83
66) n-Nitrosodiphenylamine	10.51	169	372020	51.616	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	106396	49.922	ng	98
68) Hexachlorobenzene	10.96	284	110009	47.192	ng	97
69) Atrazine	11.04	200	99791	61.437	ng	99
70) Pentachlorophenol	11.15	266	112501	102.958	ng	99
71) Phenanthrene	11.36	178	608817	51.361	ng	99
72) Anthracene	11.42	178	637315	52.663	ng	98
73) Carbazole	11.57	167	594657	51.768	ng	99
74) Di-n-butylphthalate	11.89	149	709719	51.929	ng	99
75) Fluoranthene	12.55	202	615987	50.575	ng	97
77) Benzidine	12.67	184	196636	43.643	ng	99
78) Pyrene	12.77	202	627276	53.449	ng	100
80) Butylbenzylphthalate	13.39	149	289225	52.155	ng	96
81) Benzo(a)anthracene	13.96	228	465010	49.762	ng	99
82) 3,3'-Dichlorobenzidine	13.92	252	126127	41.885	ng	96
83) Chrysene	14.00	228	463175	50.819	ng	100
84) Bis(2-ethylhexyl)phthalate	13.94	149	394733	55.207	ng	98
85) Di-n-octyl phthalate	14.55	149	605311	53.788	ng	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	408653	61.458	ng	98
88) Benzo(b)fluoranthene	15.00	252	371349	47.289	ng	98
89) Benzo(k)fluoranthene	15.03	252	381486	51.283	ng	98
90) Benzo(a)pyrene	15.36	252	359301	52.141	ng	98
91) Dibenzo(a,h)anthracene	16.88	278	343066	62.494	ng	98
92) Benzo(g,h,i)perylene	17.30	276	337609	61.716	ng	98

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

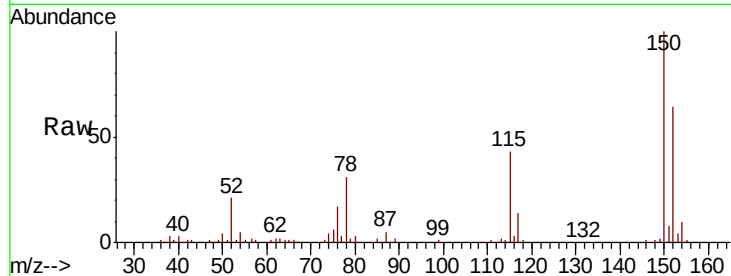


#1

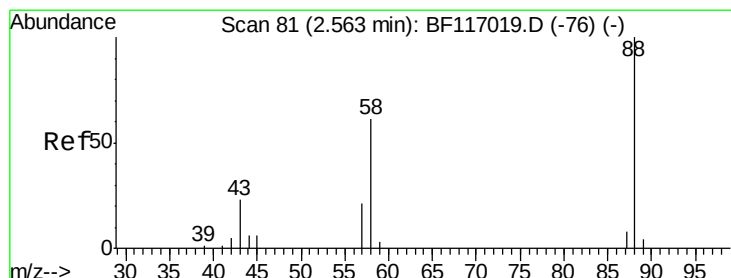
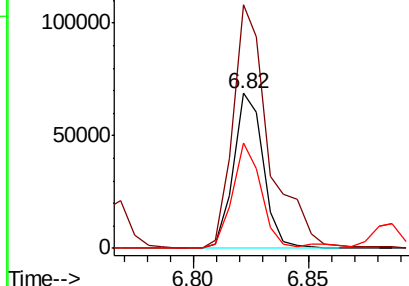
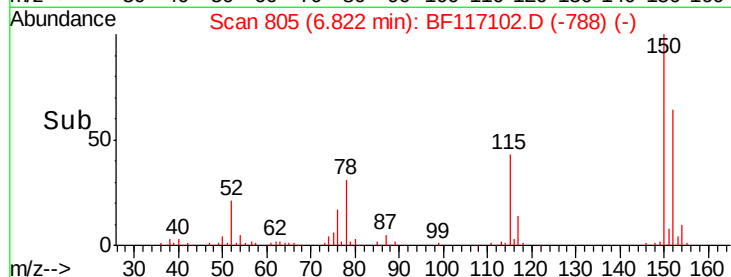
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:152 Resp: 62153
Ion Ratio Lower Upper
152 100
150 157.1 127.5 191.3
115 68.2 55.0 82.4



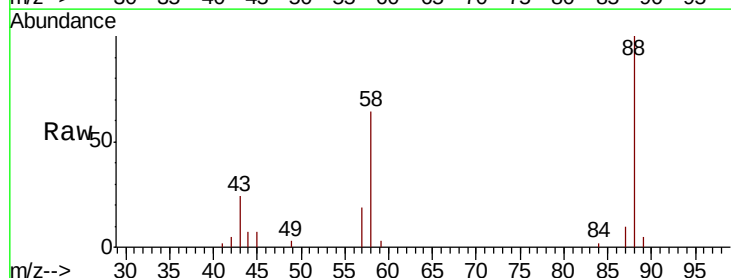
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



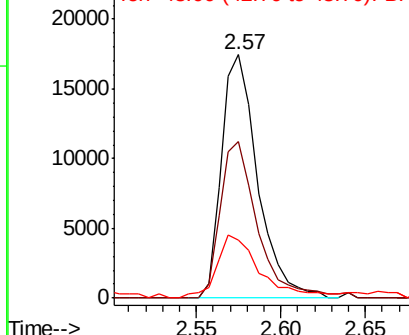
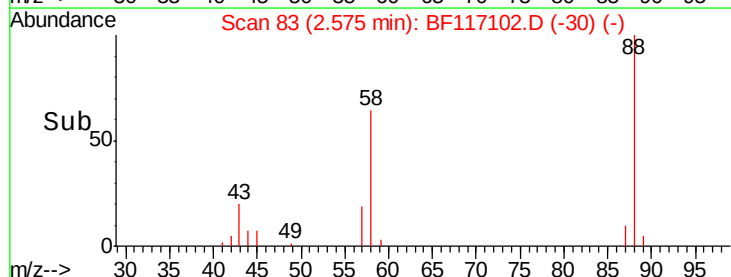
#2

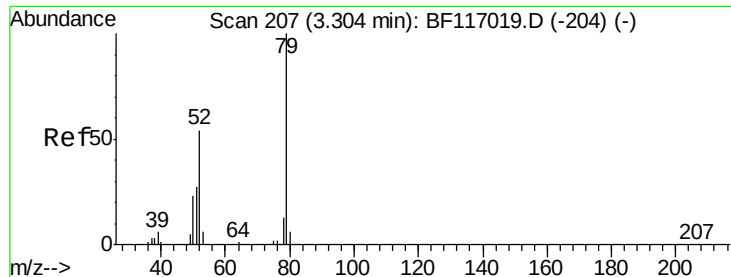
1,4-Dioxane
Concen: 15.583 ng
RT: 2.57 min Scan# 83
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion: 88 Resp: 25958
Ion Ratio Lower Upper
88 100
58 66.8 49.3 73.9
43 31.1 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: 11.046 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.04 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

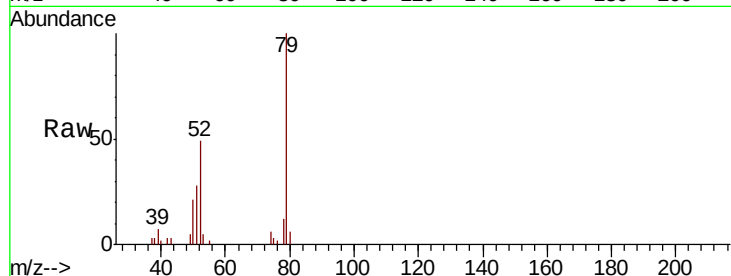
Tot Ion: 79 Resp: 50364

Ion Ratio Lower Upper

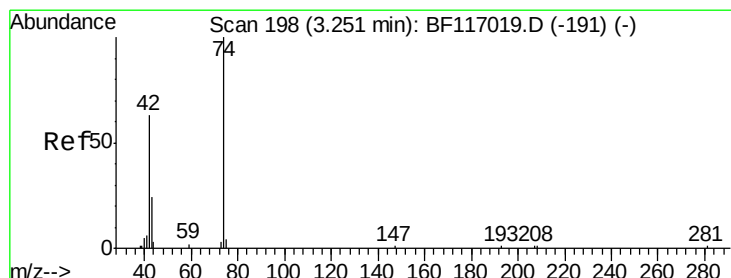
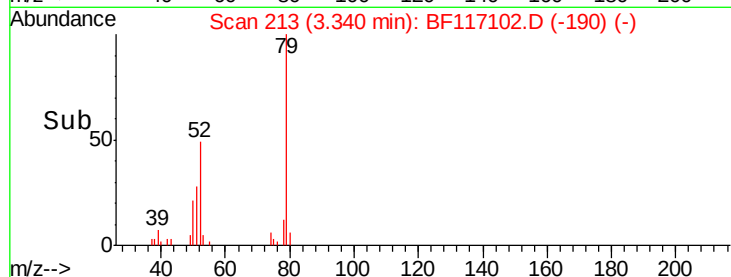
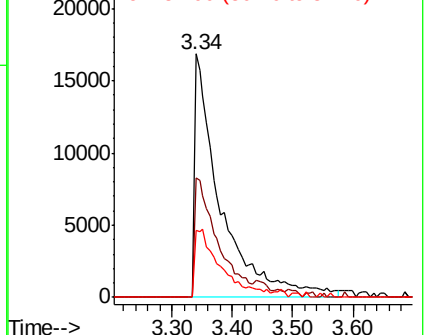
79 100

52 49.0 43.5 65.3

51 27.6 21.8 32.6



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



#4

n-Nitrosodimethylamine

Concen: 15.506 ng

RT: 3.25 min Scan# 198

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

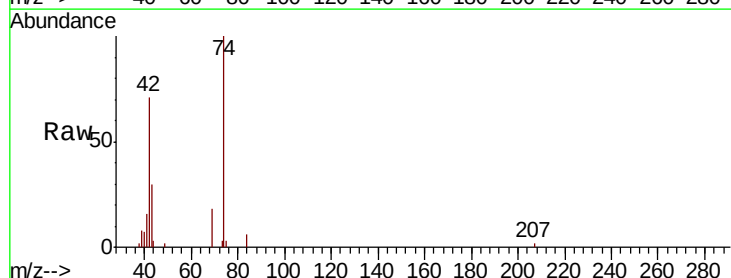
Tgt Ion: 42 Resp: 24262

Ion Ratio Lower Upper

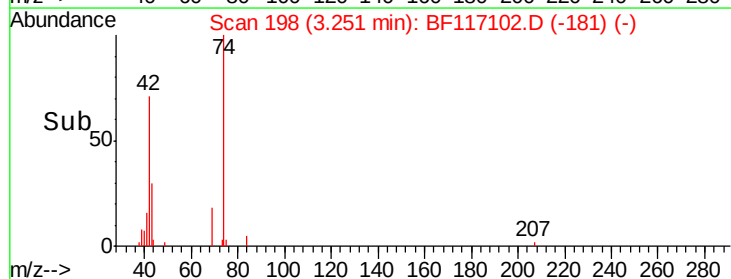
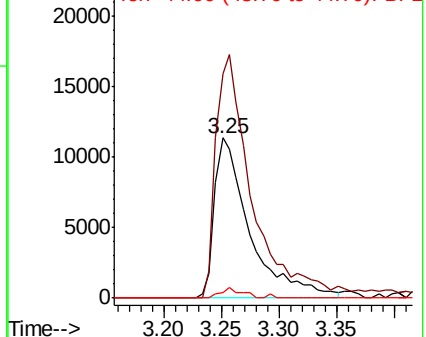
42 100

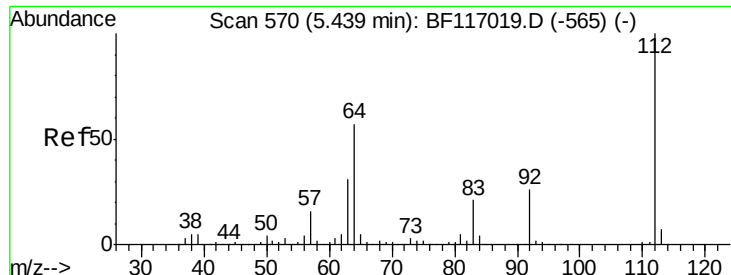
74 140.4 127.1 190.7

44 3.7 4.3 6.5#



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





#5

2-Fluorophenol

Concen: 56.898 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

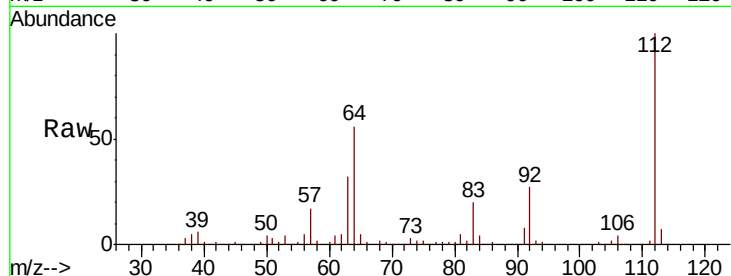
Tot Ion:112 Resp: 226508

Ion Ratio Lower Upper

112 100

64 56.4 45.7 68.5

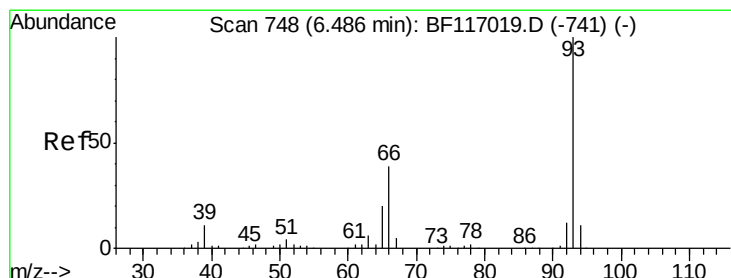
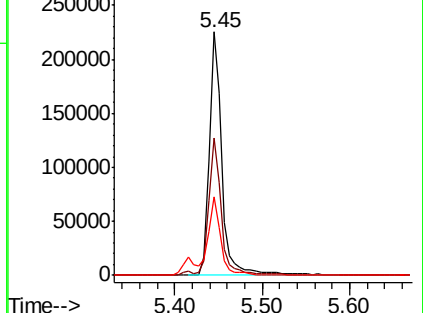
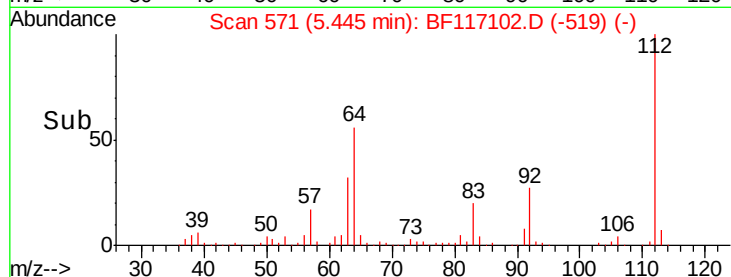
63 32.4 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.325 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

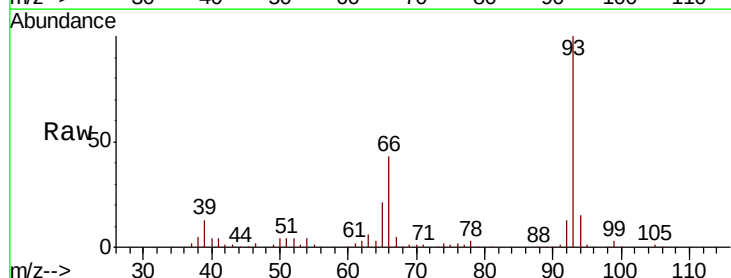
Tgt Ion: 93 Resp: 161133

Ion Ratio Lower Upper

93 100

66 42.6 32.6 49.0

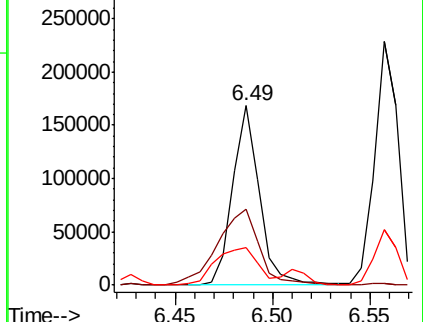
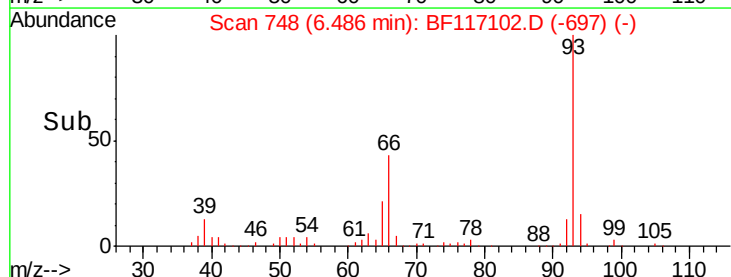
65 21.1 16.7 25.1

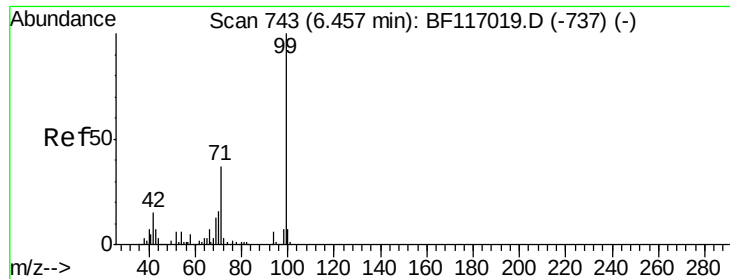


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 37.064 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

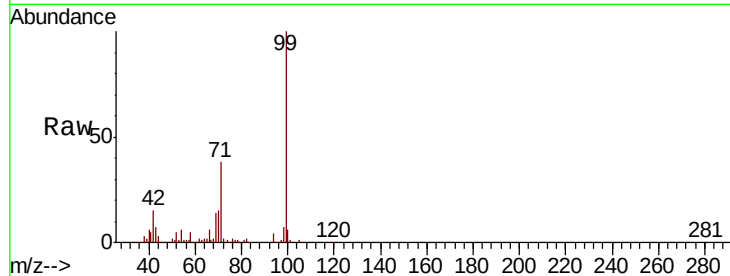
Tot Ion: 99 Resp: 190690

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

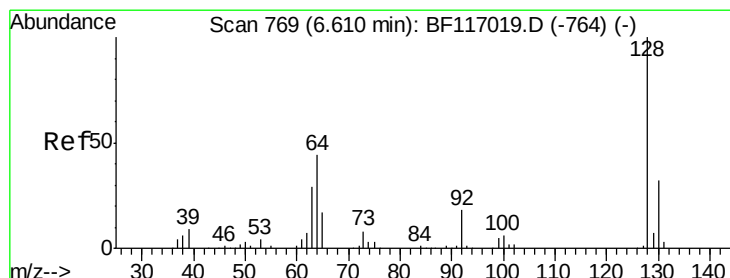
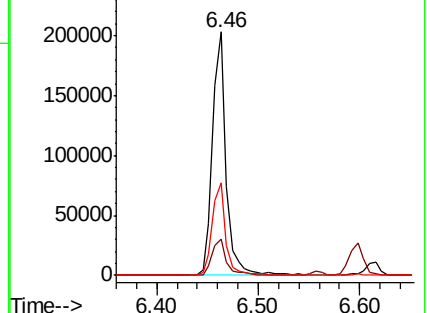
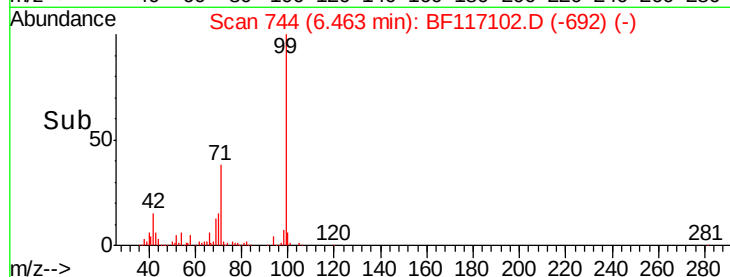
71 38.0 29.8 44.8



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: 38.372 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

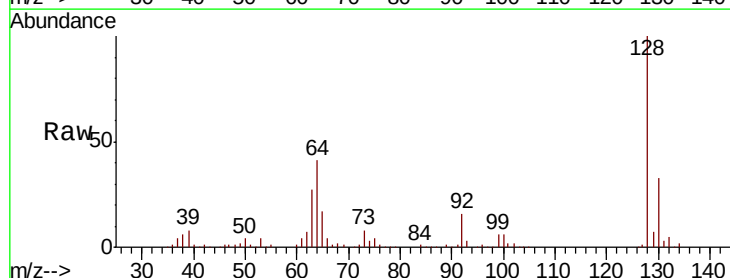
Tgt Ion: 128 Resp: 164797

Ion Ratio Lower Upper

128 100

130 32.7 11.8 51.8

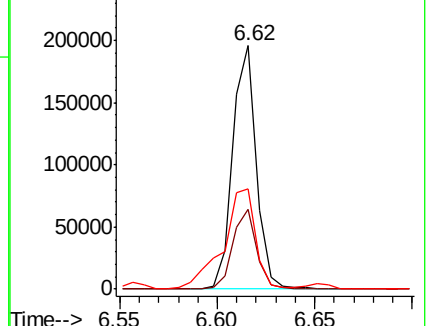
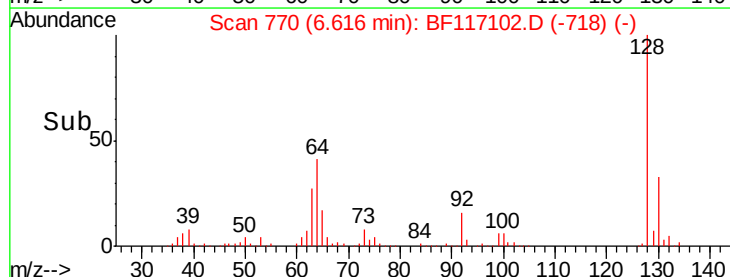
64 41.1 25.0 65.0

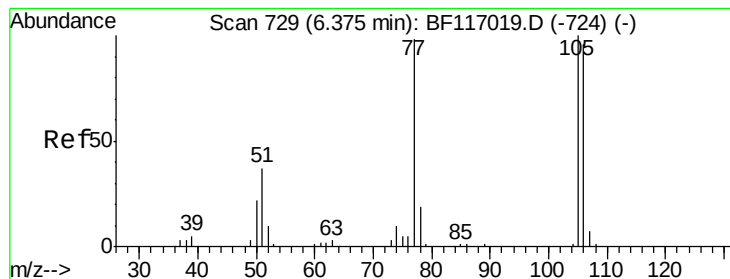


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 72.910 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

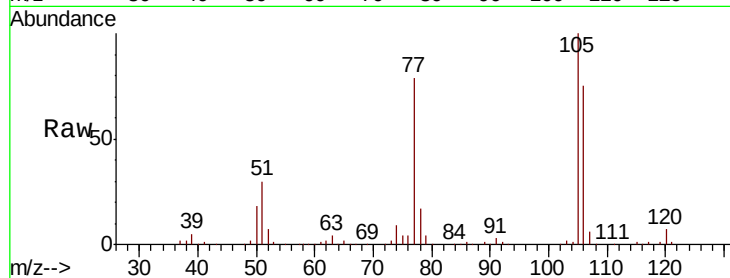
Tot Ion: 77 Resp: 167465

Ion Ratio Lower Upper

77 100

105 125.9 81.8 121.8#

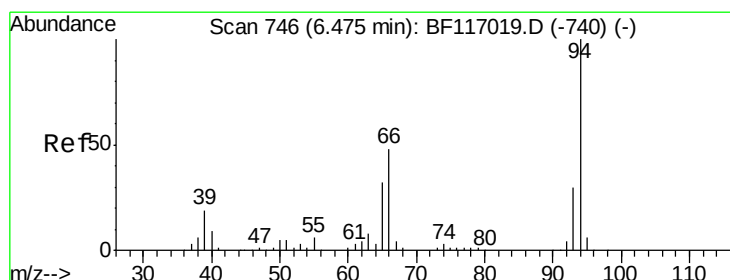
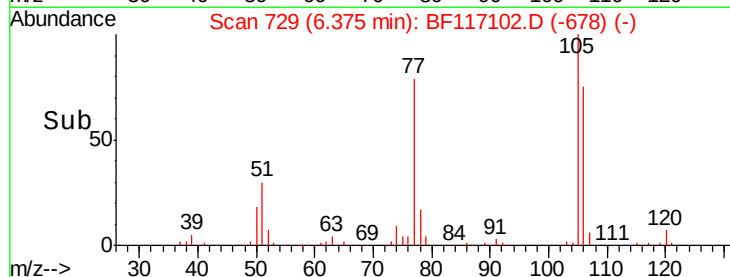
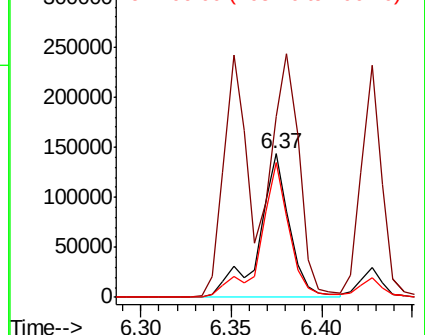
106 94.1 77.3 117.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 16.273 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

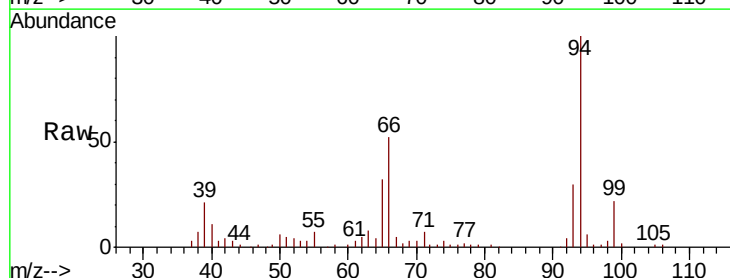
Tgt Ion: 94 Resp: 92299

Ion Ratio Lower Upper

94 100

65 31.8 12.5 52.5

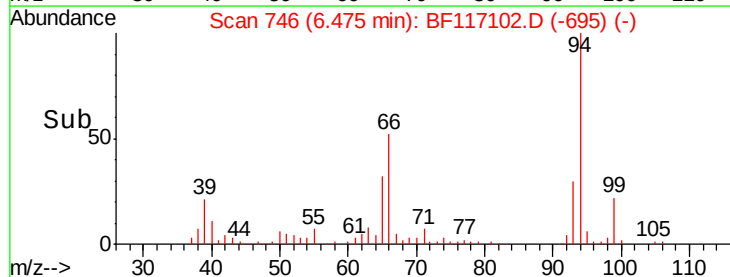
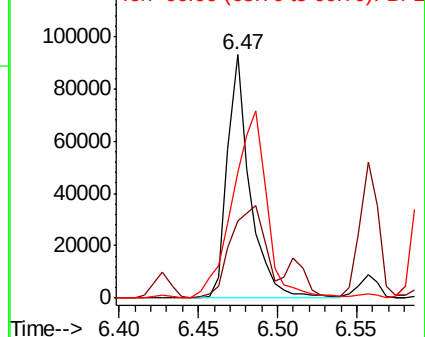
66 51.7 28.9 68.9

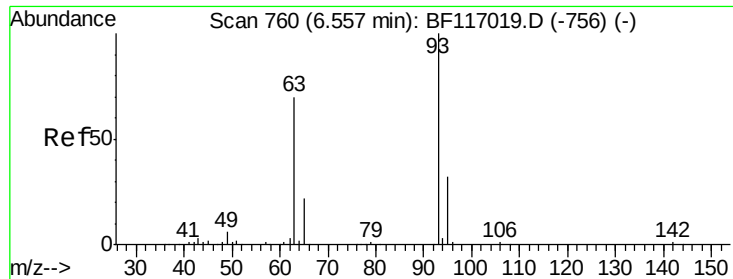


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 45.115 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

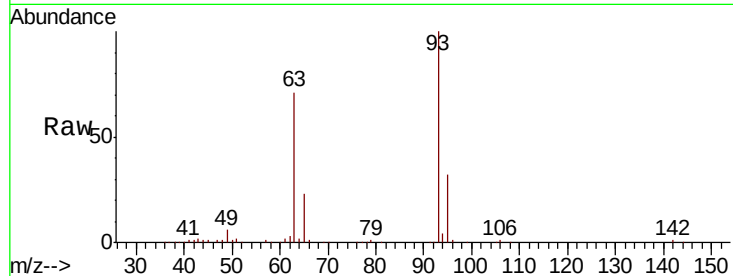
Tot Ion: 93 Resp: 188064

Ion Ratio Lower Upper

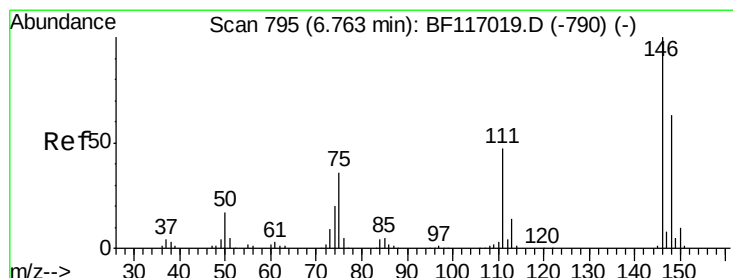
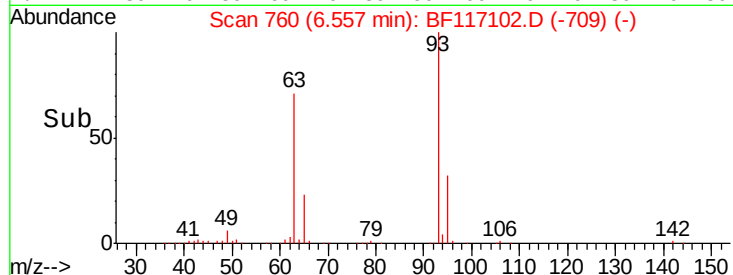
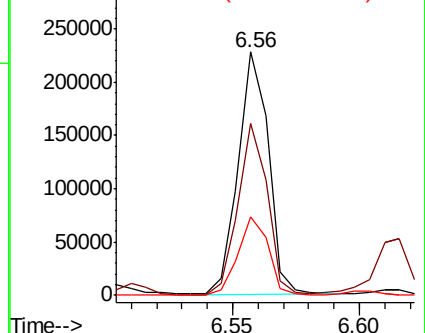
93 100

63 70.8 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: 38.199 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

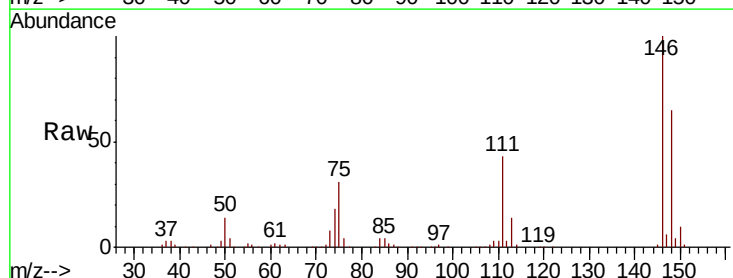
Tgt Ion: 146 Resp: 184091

Ion Ratio Lower Upper

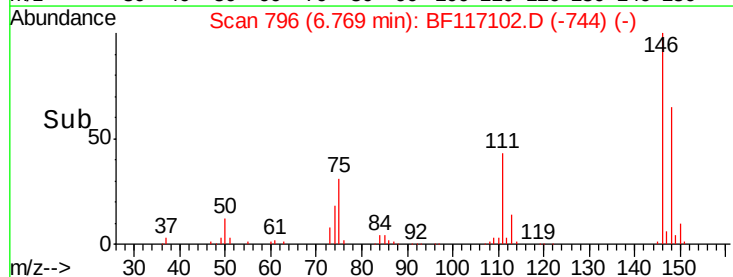
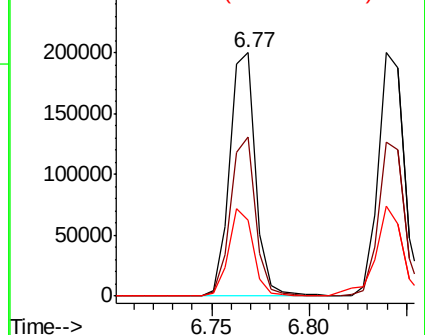
146 100

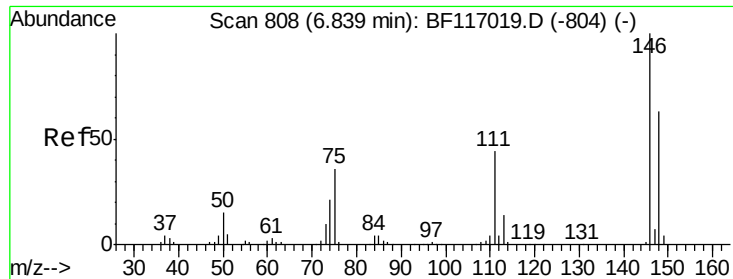
148 65.4 50.8 76.2

75 31.4 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

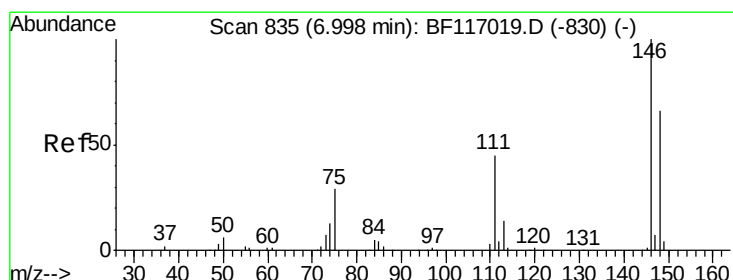
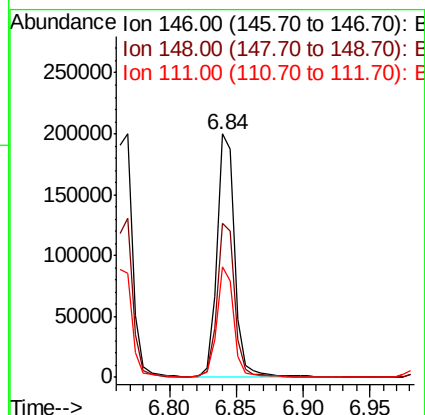
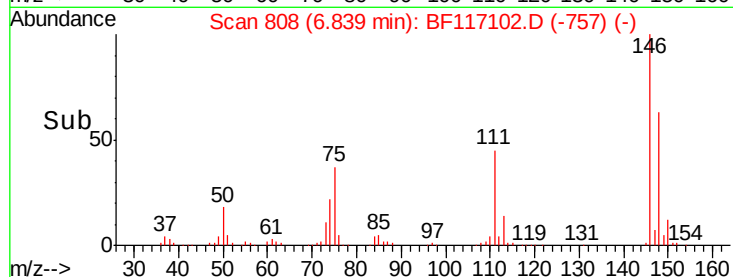
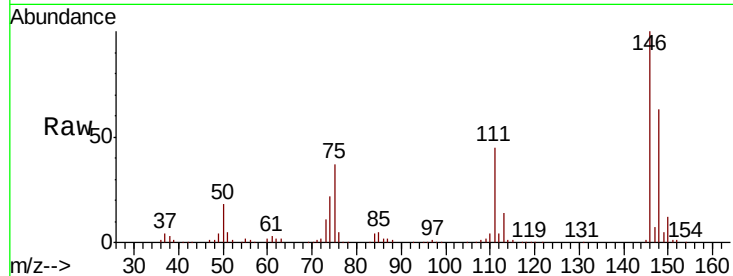




#13
 1,4-Dichlorobenzene
 Concen: 38.258 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

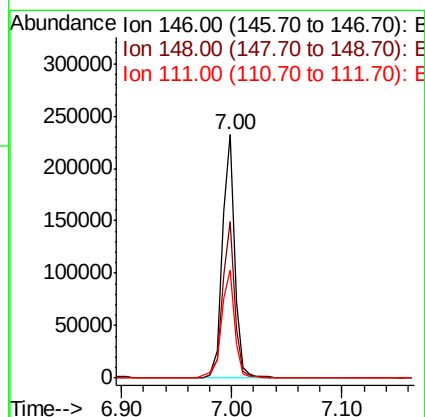
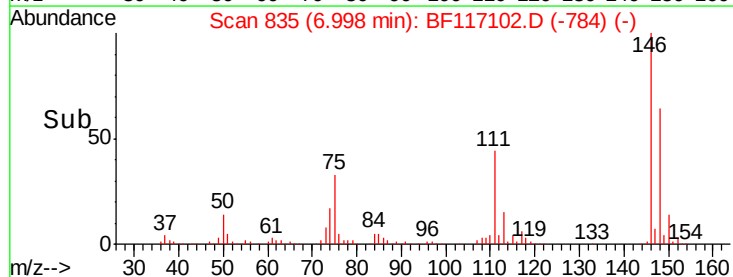
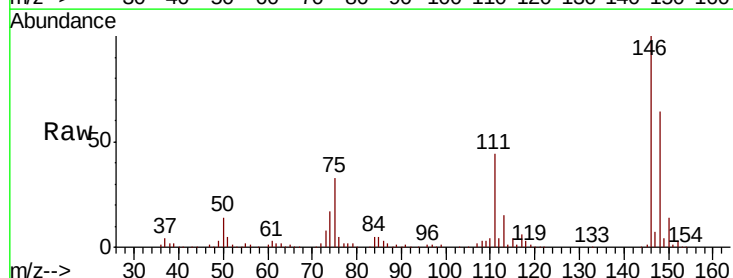
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

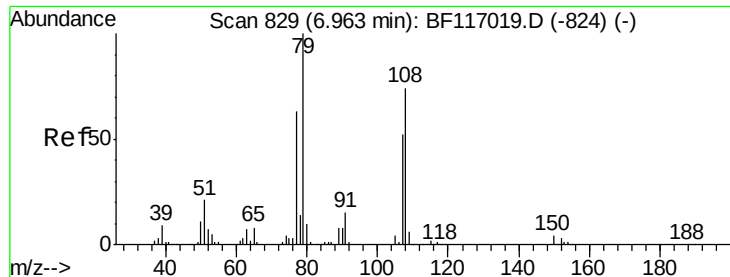
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
111	45.4	35.0	52.6



#14
 1,2-Dichlorobenzene
 Concen: 39.906 ng
 RT: 7.00 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.6	78.8
111	44.3	36.2	54.2





#15

Benzyl Alcohol

Concen: 29.414 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

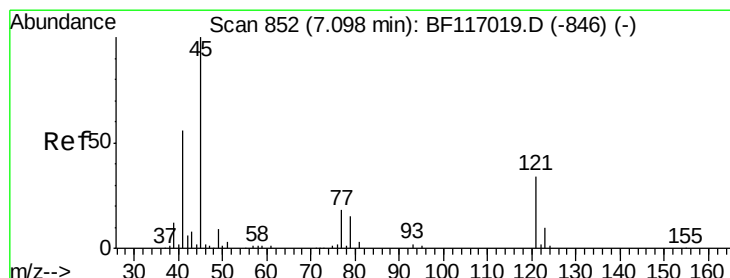
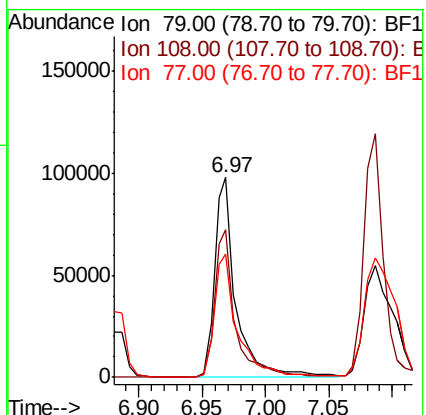
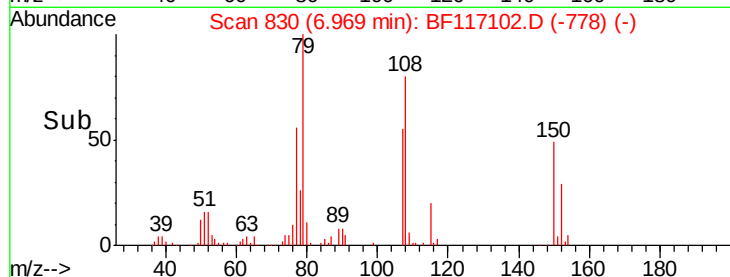
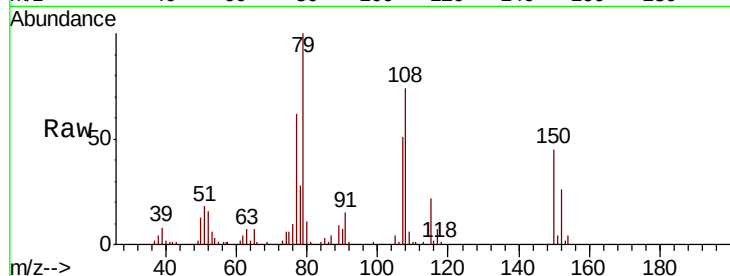
Tot Ion: 79 Resp: 116049

Ion Ratio Lower Upper

79 100

108 74.2 59.4 89.0

77 62.0 50.2 75.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.424 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

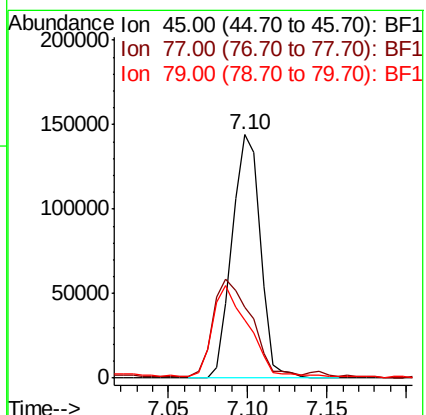
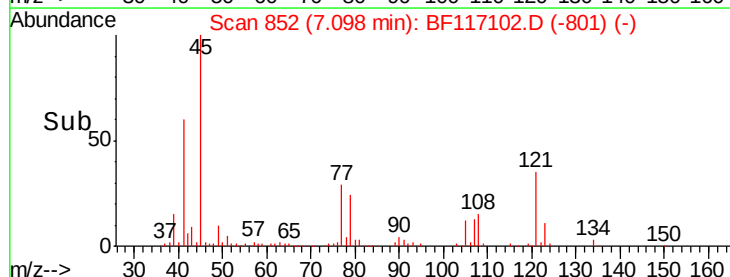
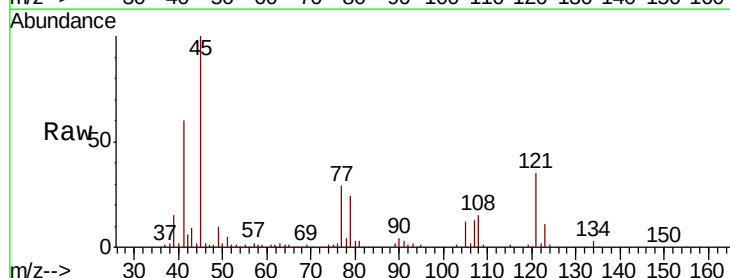
Tgt Ion: 45 Resp: 178837

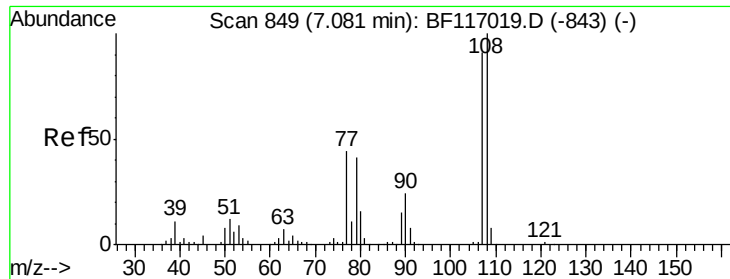
Ion Ratio Lower Upper

45 100

77 29.3 2.7 42.7

79 23.7 0.0 38.9

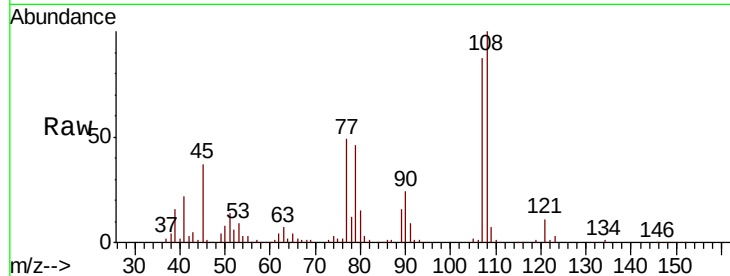




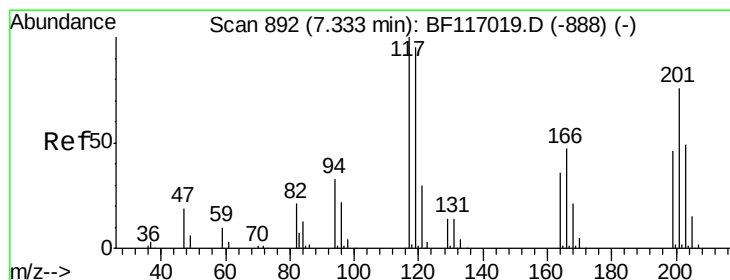
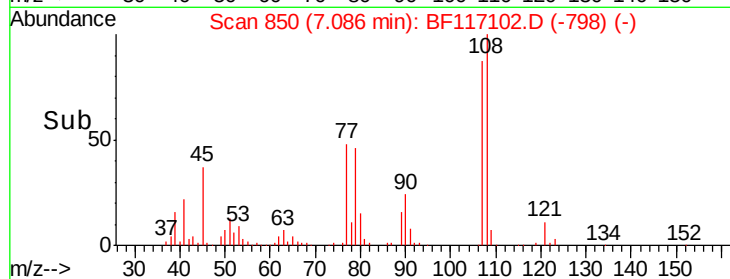
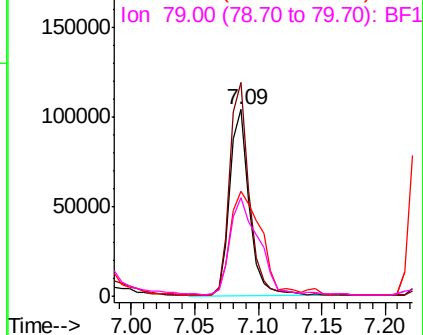
#17
2-Methylphenol
Concen: 30.907 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:	107	Resp:	111244
Ion	Ratio	Lower	Upper
107	100		
108	114.3	87.7	131.5
77	56.0	38.6	58.0
79	52.6	36.8	55.2

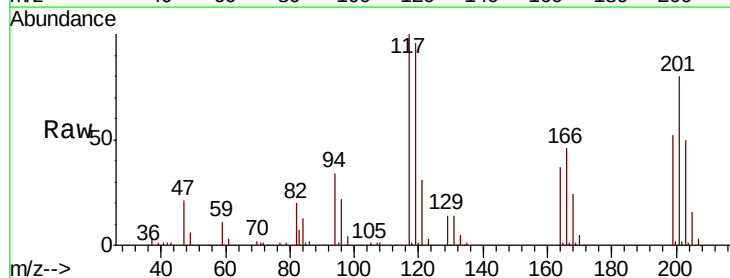


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

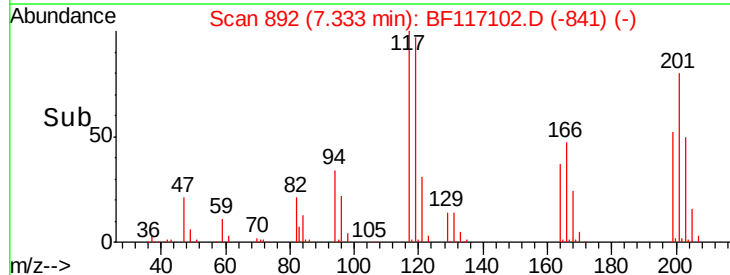
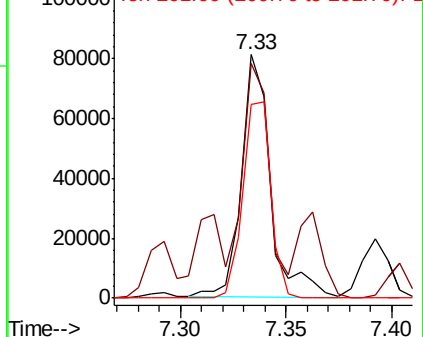


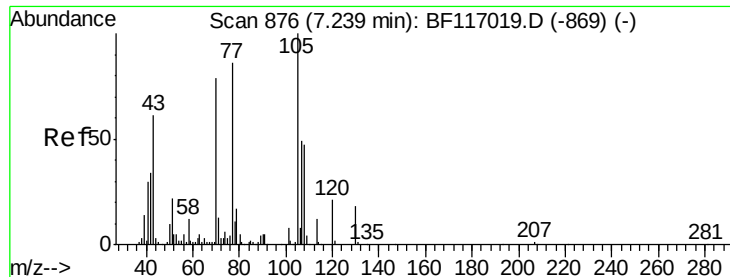
#18
Hexachloroethane
Concen: 40.645 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:	117	Resp:	76901
Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	79.8	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

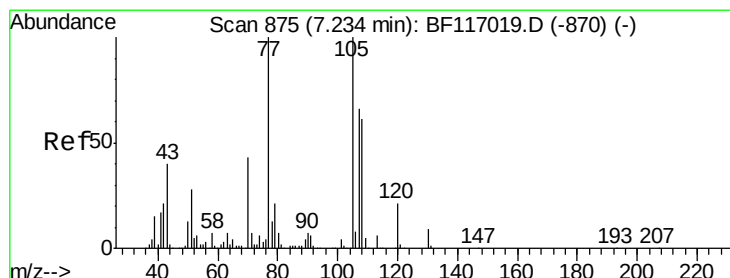
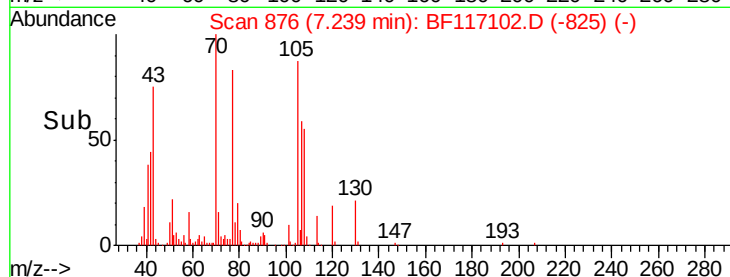
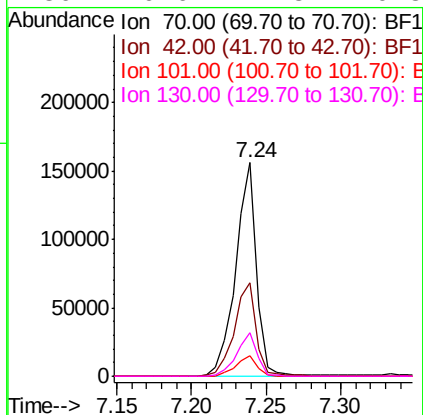
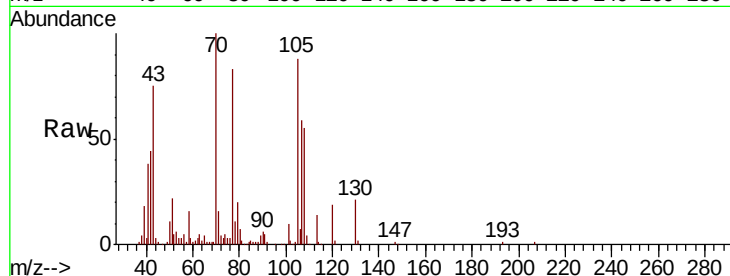




#19
n-Nitroso-di-n-propylamine
Concen: 49.009 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

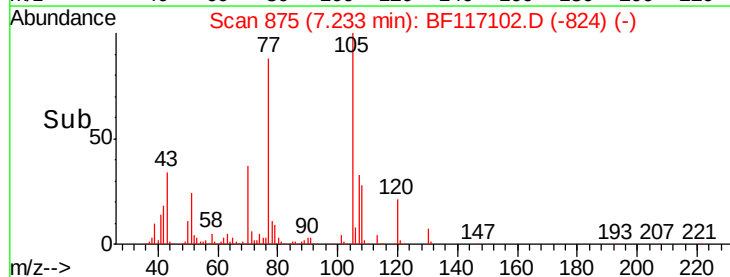
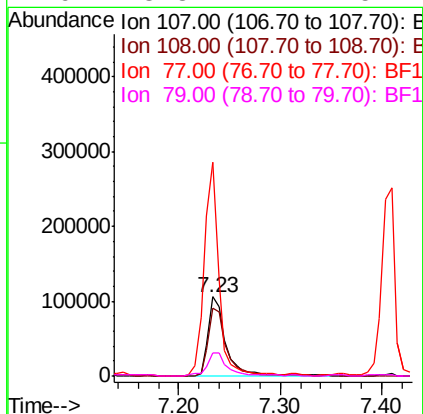
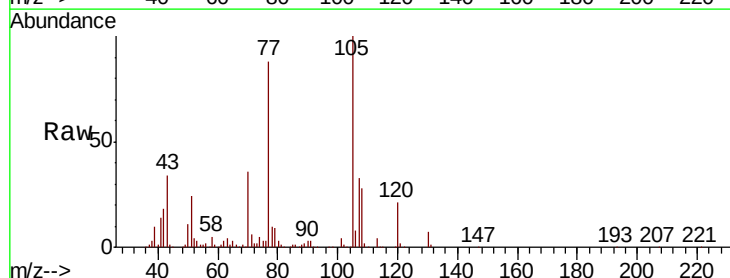
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

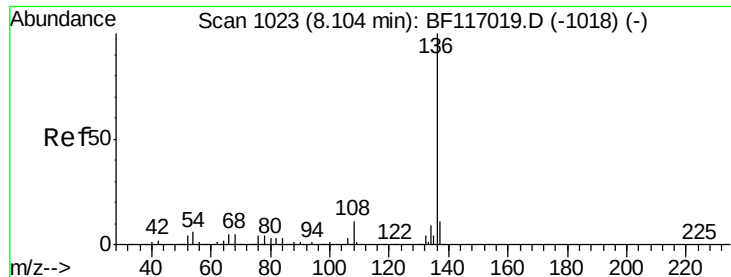
Tot Ion:	70	Resp:	153536
Ion	Ratio	Lower	Upper
70	100		
42	43.5	34.0	51.0
101	9.7	7.8	11.6
130	20.6	17.8	26.8



#20
3+4-Methylphenols
Concen: 27.598 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:	107	Resp:	123732
Ion	Ratio	Lower	Upper
107	100		
108	85.2	72.6	112.6
77	269.7	132.1	172.1#
79	28.8	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: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

Tot Ion:136 Resp: 245469

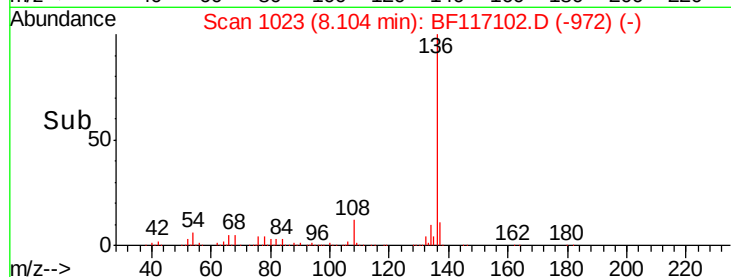
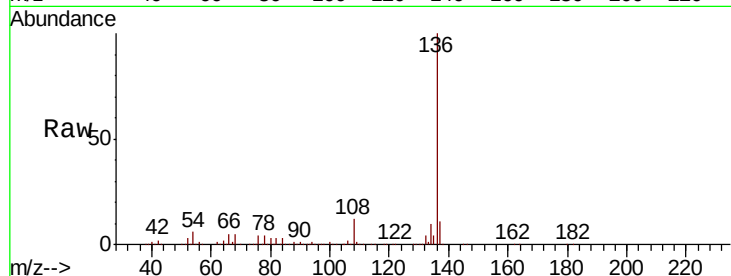
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.6 4.5 6.7

68 4.6 4.0 6.0

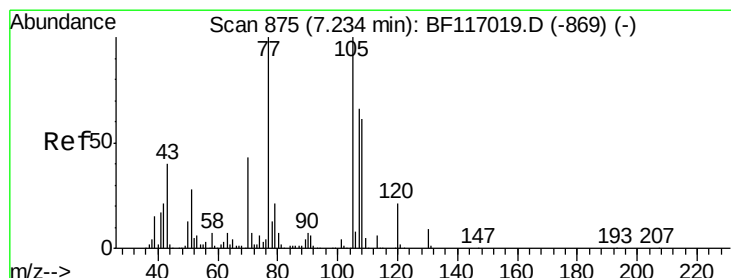
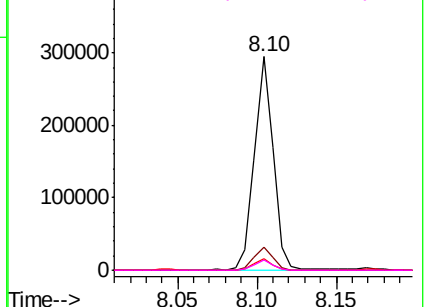


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 52.707 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Tgt Ion:105 Resp: 328714

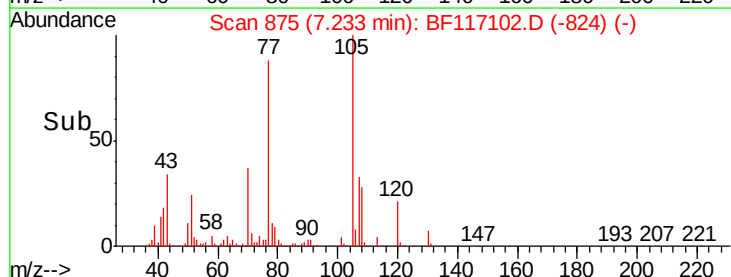
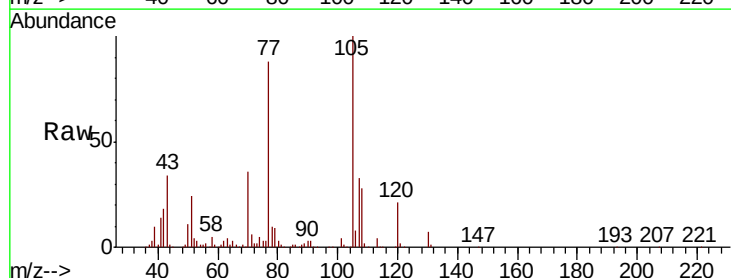
Ion Ratio Lower Upper

105 100

71 5.8 5.7 8.5

51 24.2 22.1 33.1

120 21.5 17.1 25.7

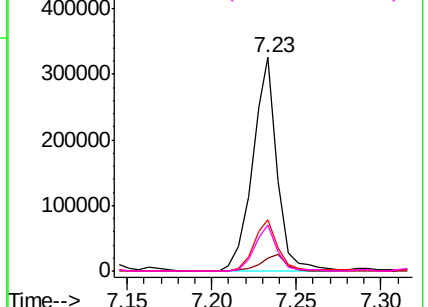


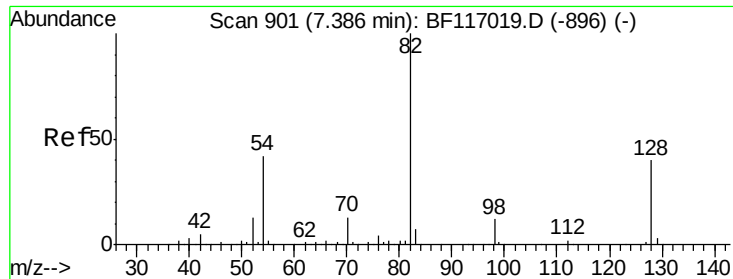
Abundance Ion 105.00 (104.70 to 105.70): E

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

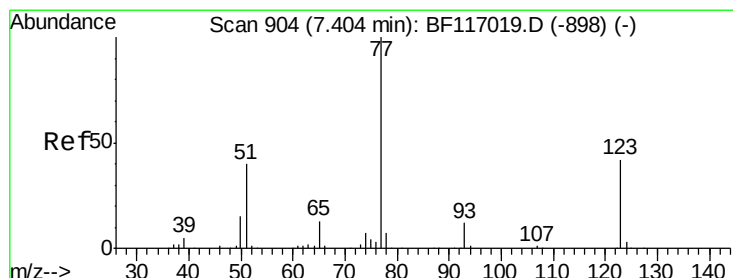
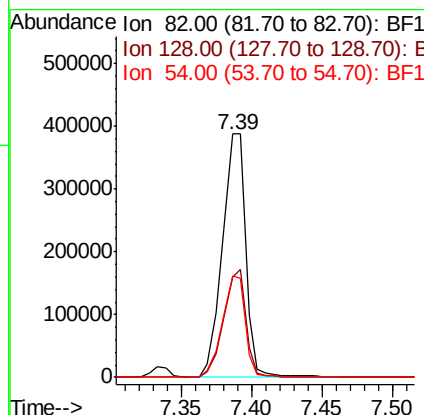
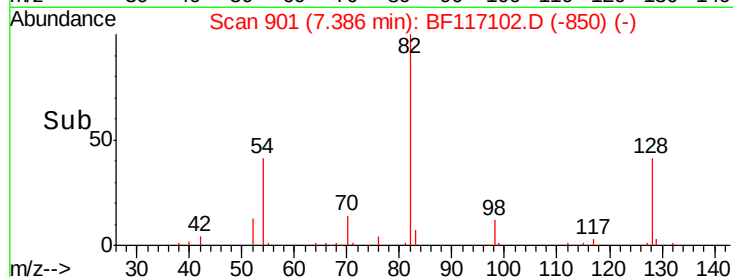
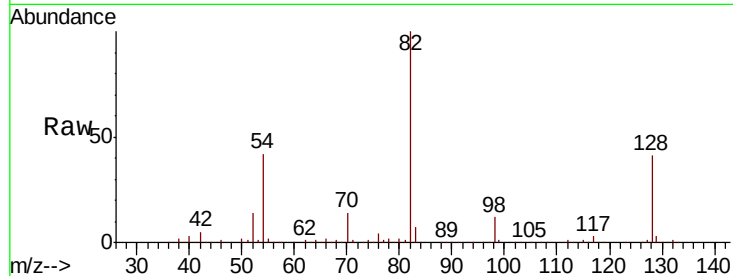




#23
Nitrobenzene-d5
Concen: 96.414 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

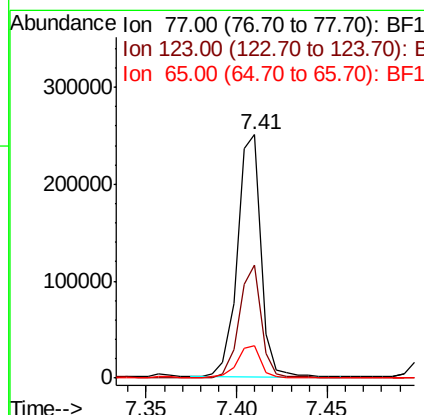
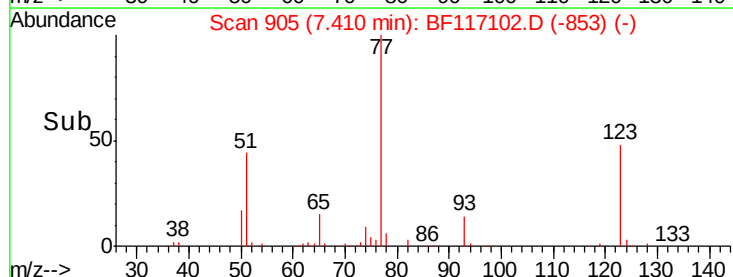
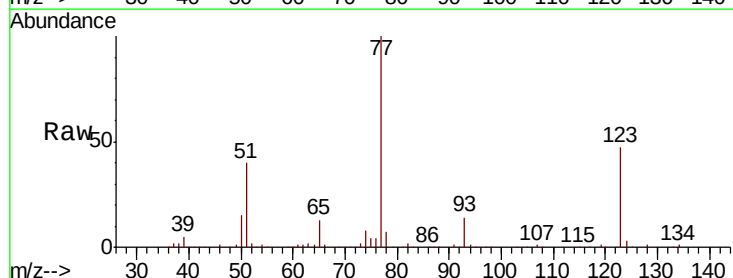
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

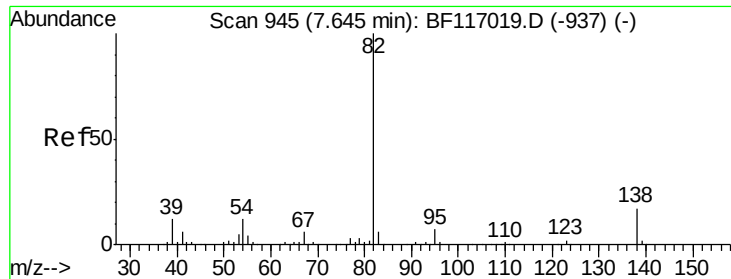
Tot Ion: 82 Resp: 450429
Ion Ratio Lower Upper
82 100
128 41.2 32.3 48.5
54 41.5 33.3 49.9



#24
Nitrobenzene
Concen: 49.097 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion: 77 Resp: 226514
Ion Ratio Lower Upper
77 100
123 46.7 33.5 50.3
65 13.2 10.5 15.7





#25

Isophorone

Concen: 50.411 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

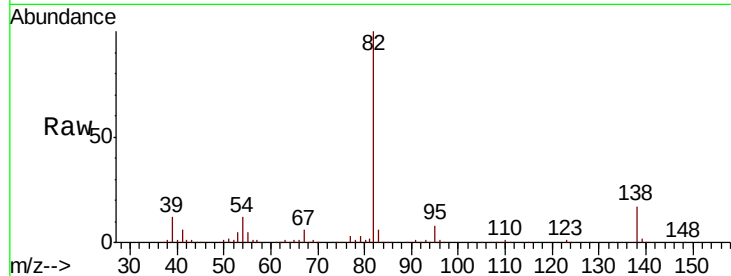
Tot Ion: 82 Resp: 416995

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

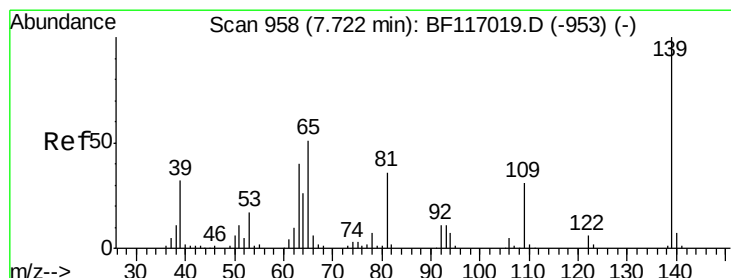
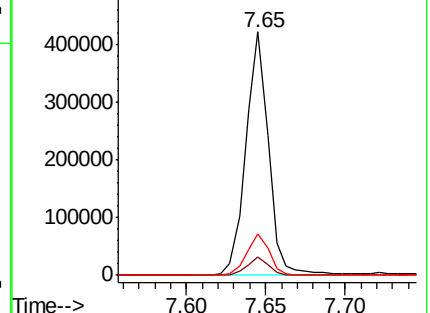
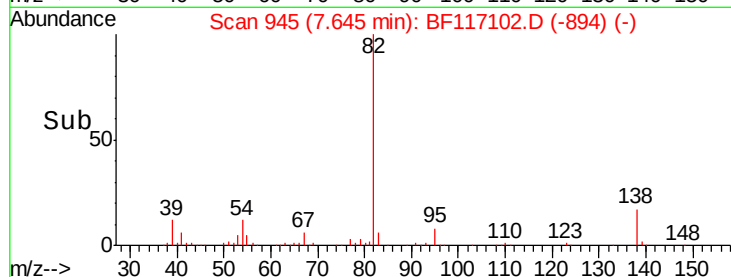
138 17.0 13.5 20.3



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: 54.447 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

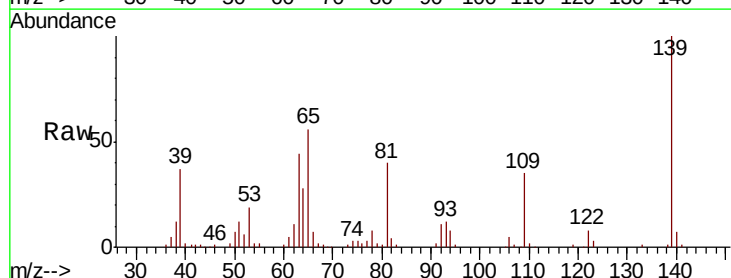
Tgt Ion: 139 Resp: 107898

Ion Ratio Lower Upper

139 100

109 34.7 24.6 36.8

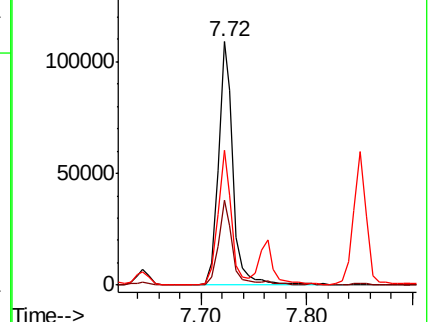
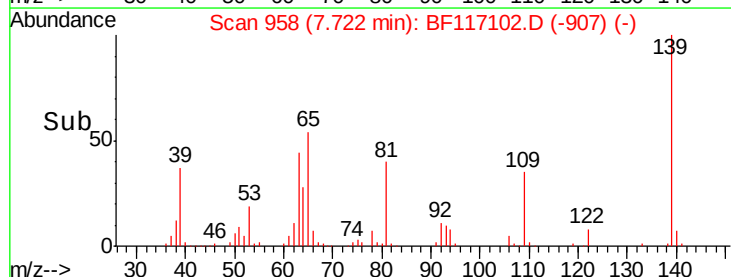
65 55.5 40.9 61.3

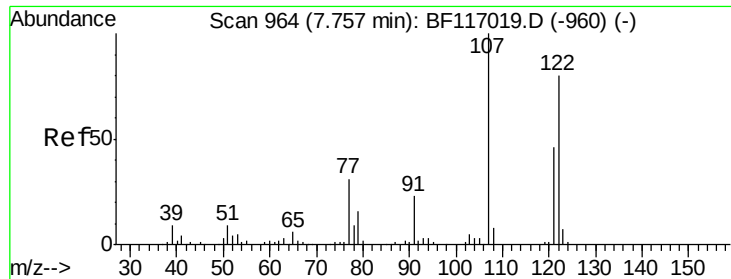


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

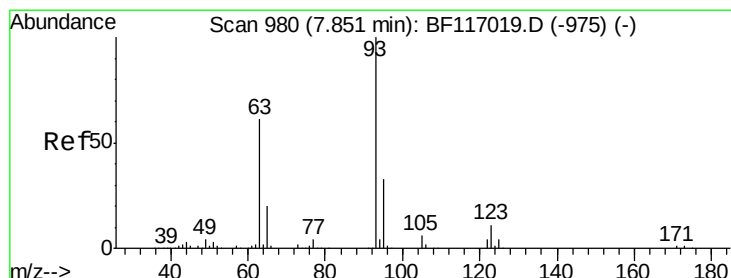
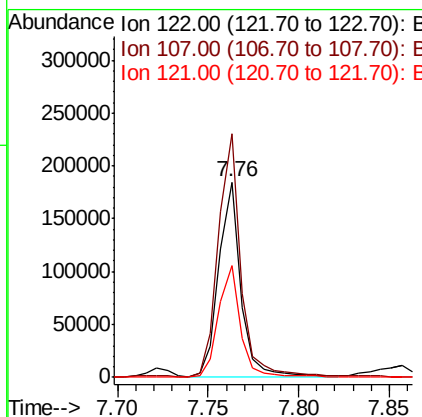
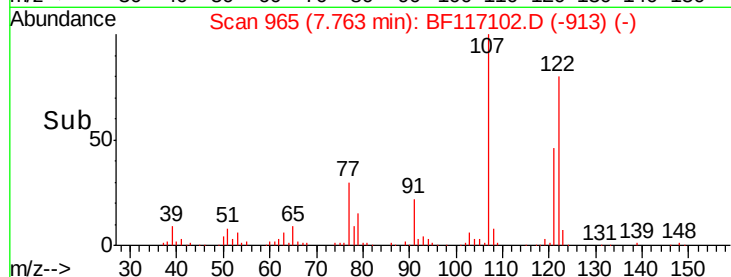
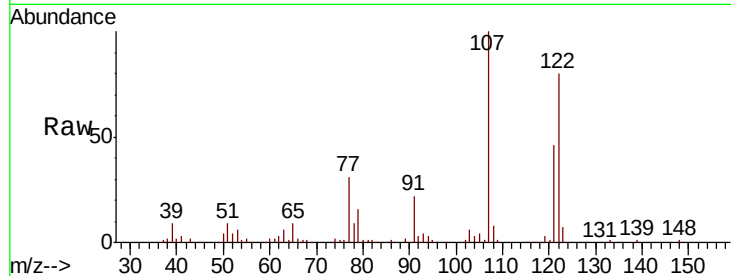




#27
 2,4-Dimethylphenol
 Concen: 50.399 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

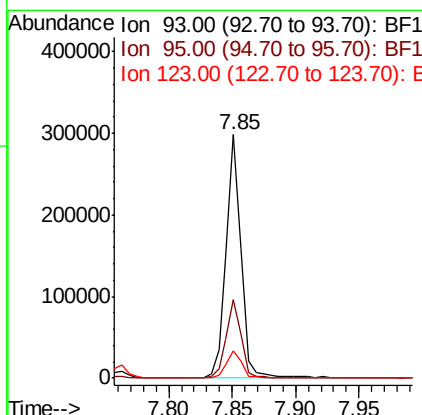
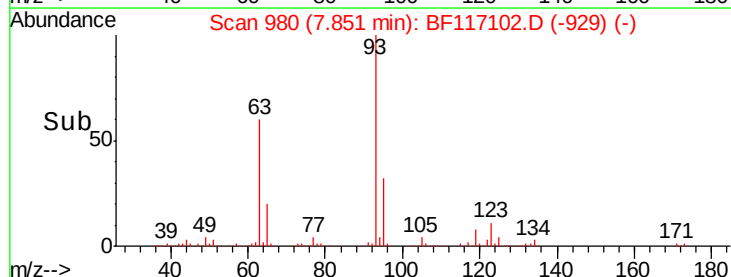
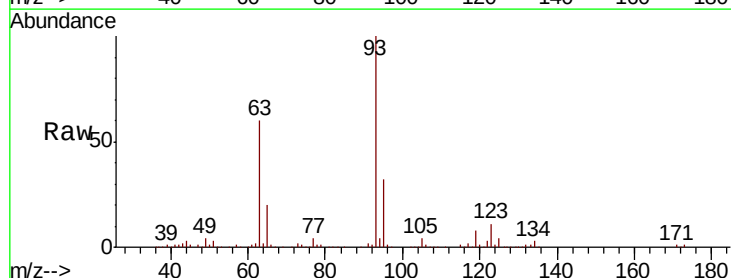
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

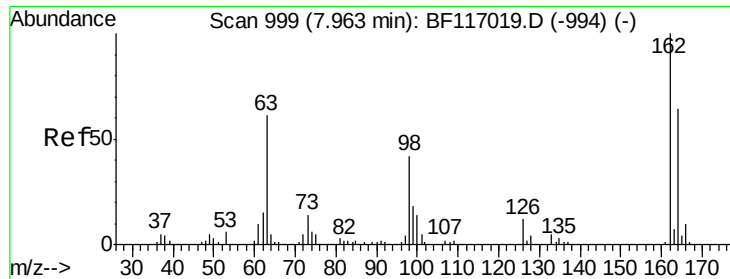
Tot Ion:122 Resp: 158383
 Ion Ratio Lower Upper
 122 100
 107 124.6 98.9 148.3
 121 57.3 45.3 67.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.244 ng
 RT: 7.85 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion: 93 Resp: 245871
 Ion Ratio Lower Upper
 93 100
 95 32.1 26.2 39.4
 123 11.1 9.0 13.6

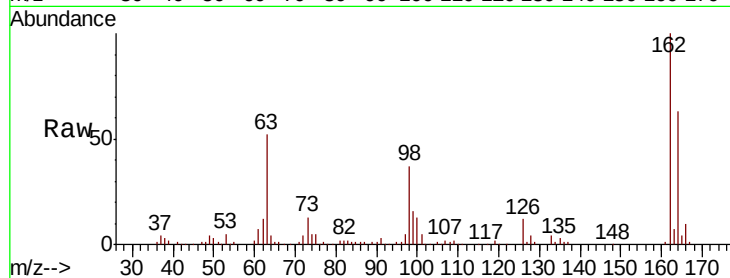




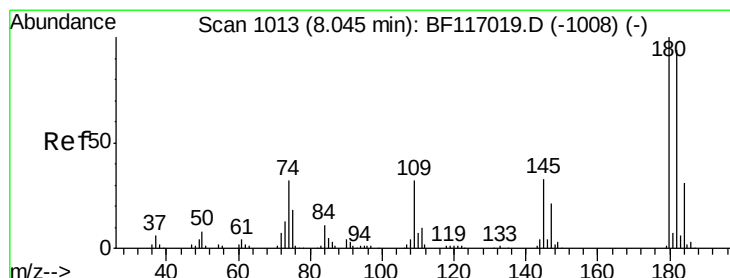
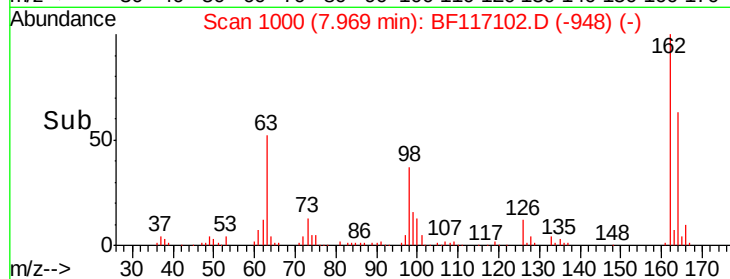
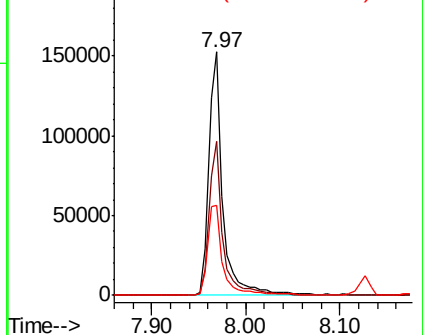
#29
 2,4-Dichlorophenol
 Concen: 48.675 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion:162 Resp: 160279
 Ion Ratio Lower Upper
 162 100
 164 63.4 43.8 83.8
 98 36.9 22.1 62.1

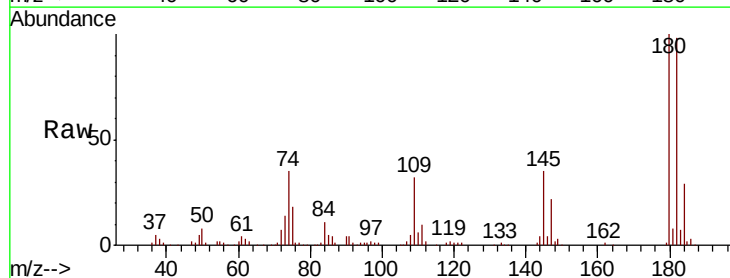


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

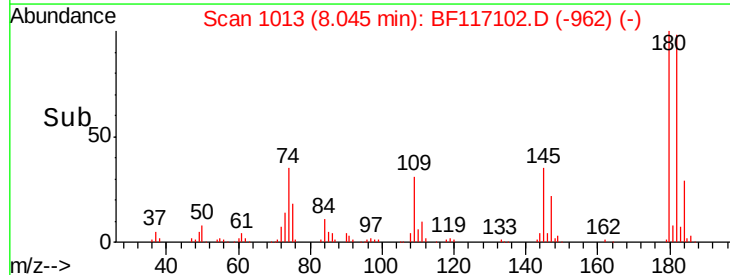
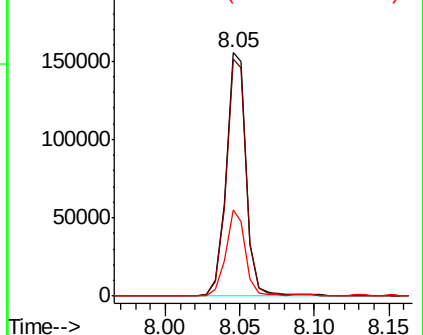


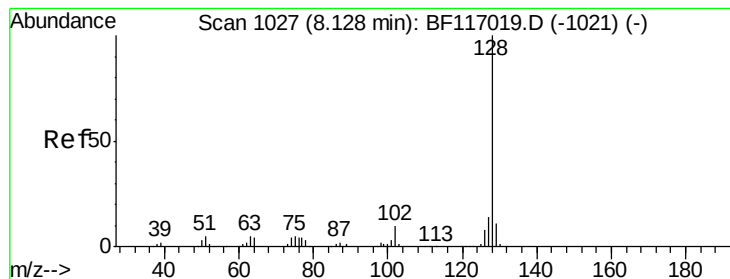
#30
 1,2,4-Trichlorobenzene
 Concen: 41.860 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:180 Resp: 148916
 Ion Ratio Lower Upper
 180 100
 182 97.6 75.4 113.0
 145 35.4 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: 52.795 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

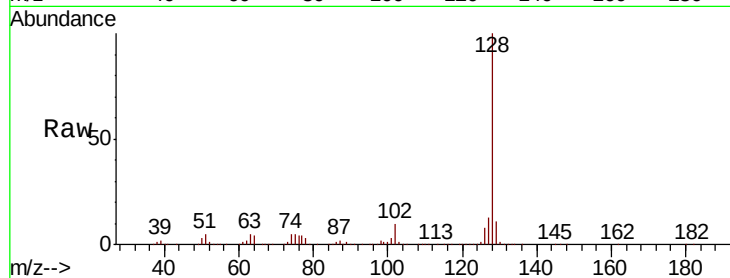
Tot Ion:128 Resp: 623275

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

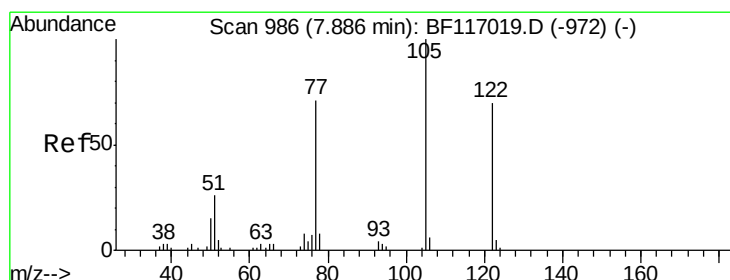
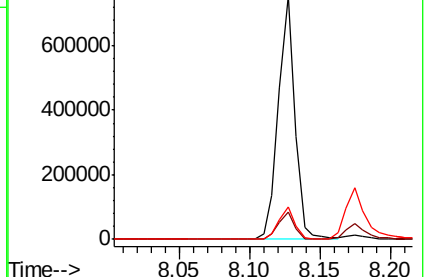
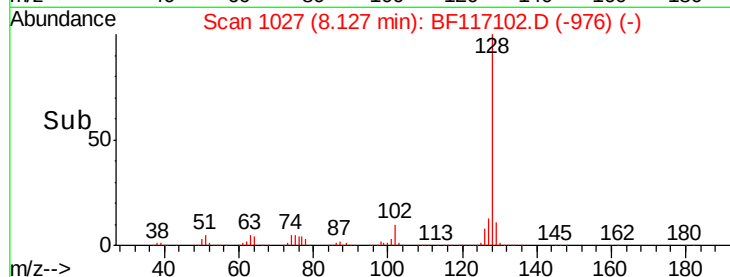
127 13.2 10.8 16.2



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: 15.109 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.03 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

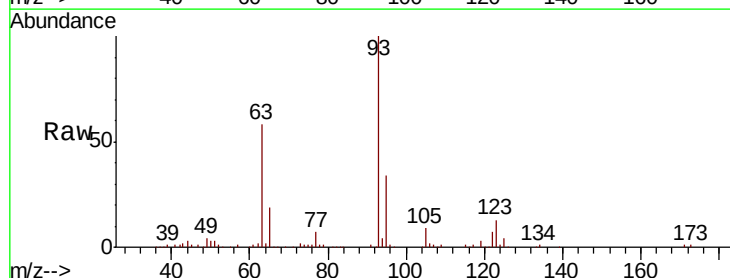
Tgt Ion:122 Resp: 23424

Ion Ratio Lower Upper

122 100

105 129.0 114.8 154.8

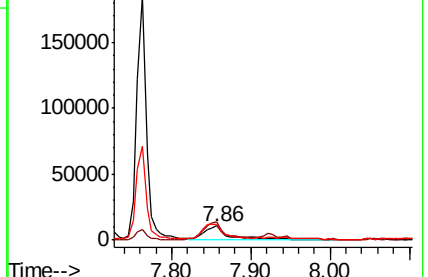
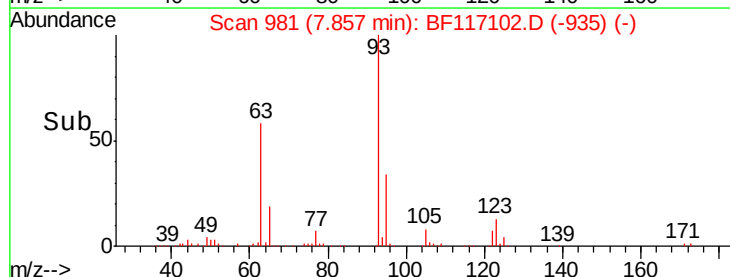
77 106.2 78.7 118.7

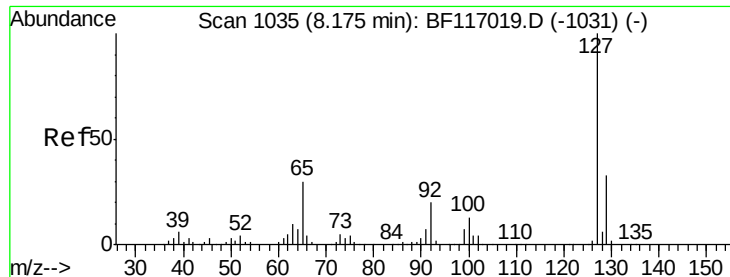


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

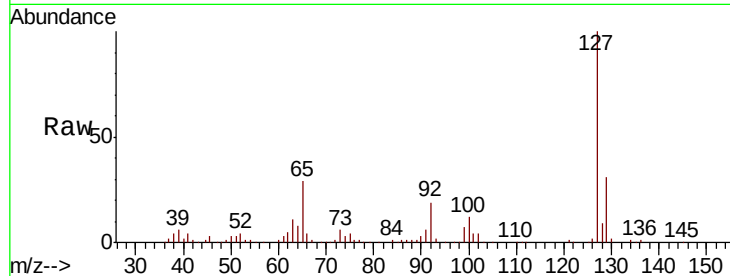




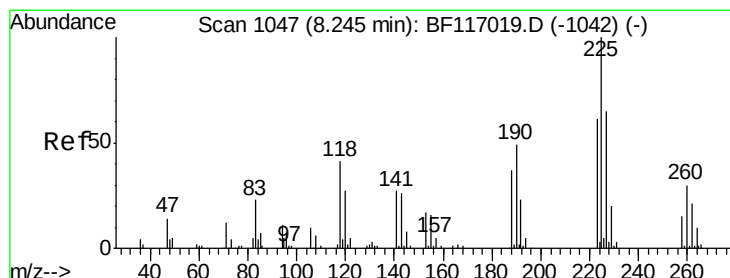
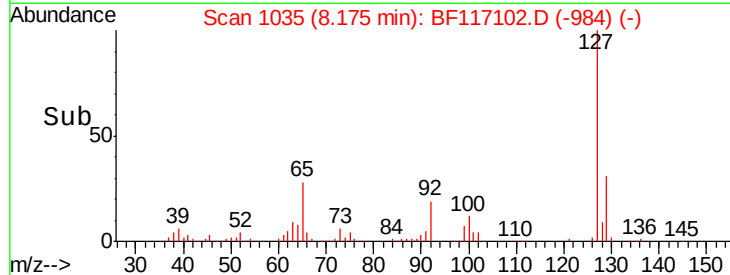
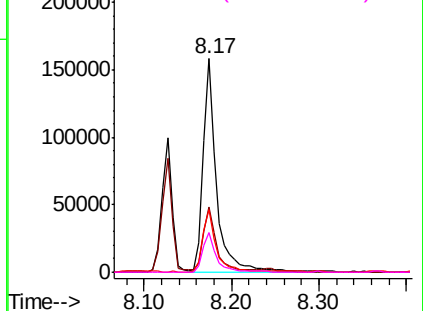
#33
4-Chloroaniline
Concen: 32.582 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:	127	Resp:	170604
Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.2	39.2
65	29.1	23.5	35.3
92	18.8	15.9	23.9

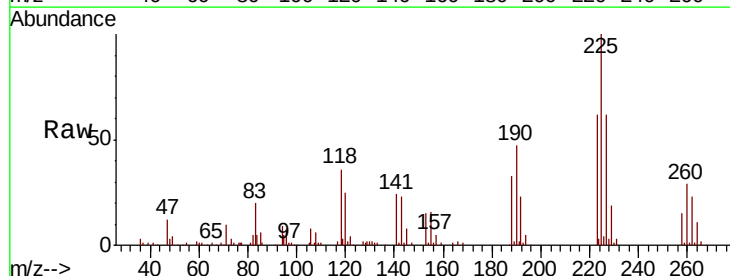


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

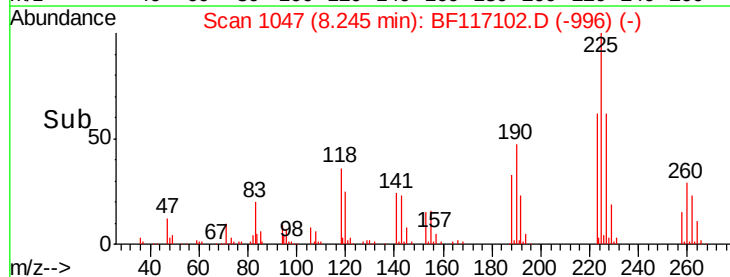
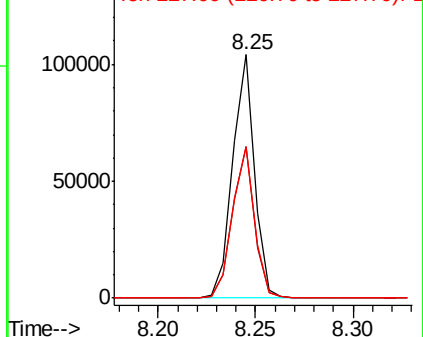


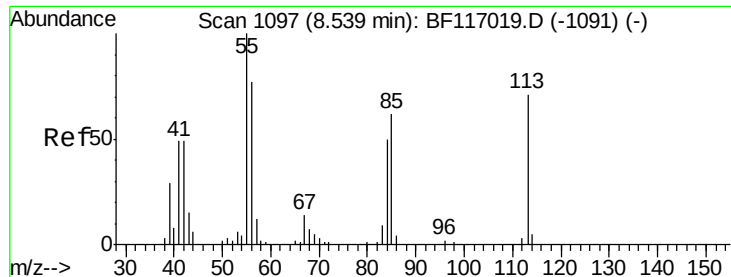
#34
Hexachlorobutadiene
Concen: 40.199 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:	225	Resp:	81136
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.1	73.7
227	62.0	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

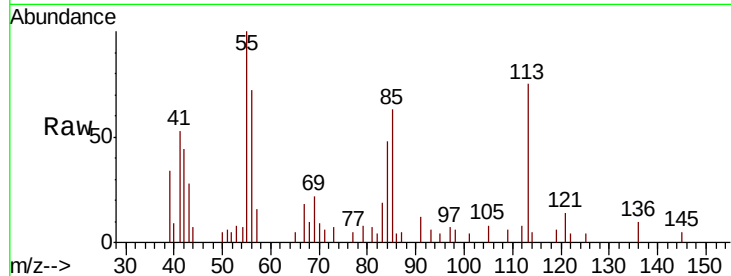




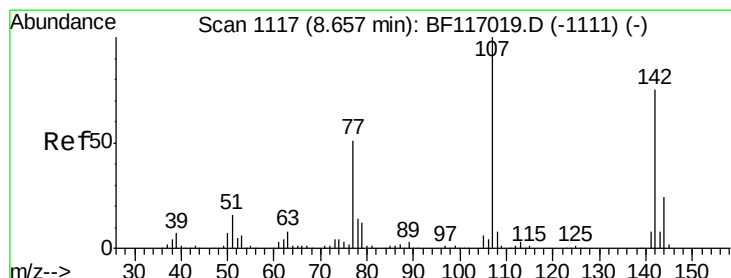
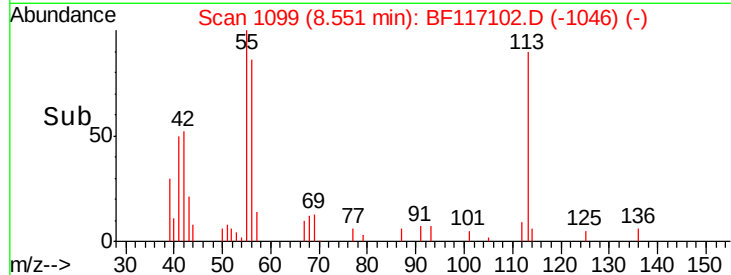
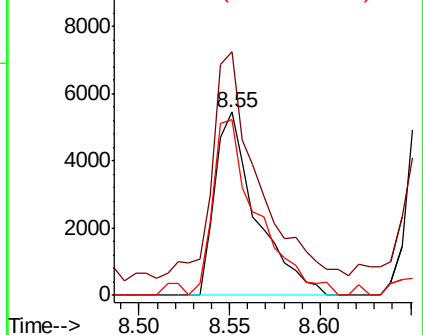
#35
 Caprolactam
 Concen: 7.753 ng
 RT: 8.55 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion:113 Resp: 8641
 Ion Ratio Lower Upper
 113 100
 55 132.9 120.6 160.6
 56 96.1 88.8 128.8

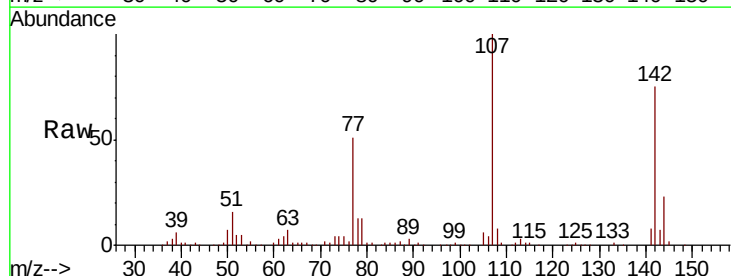


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

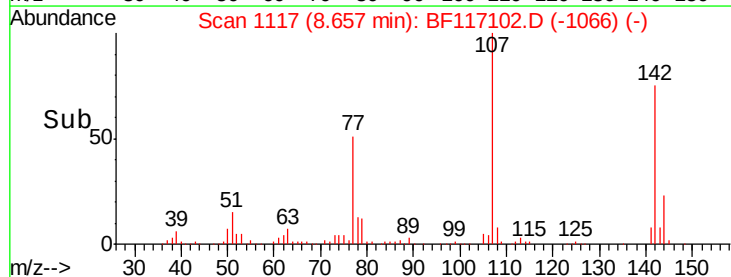
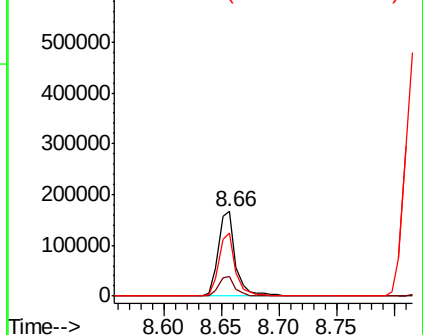


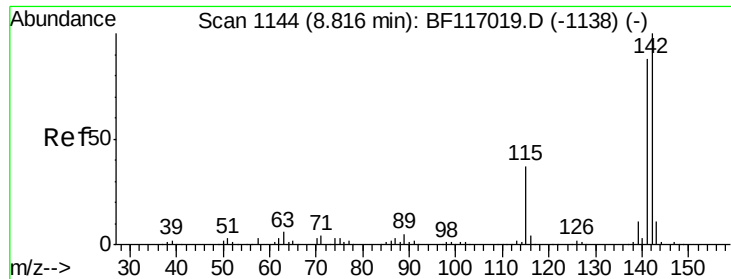
#36
 4-Chloro-3-methylphenol
 Concen: 45.643 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:107 Resp: 175247
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.2 28.8
 142 74.9 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

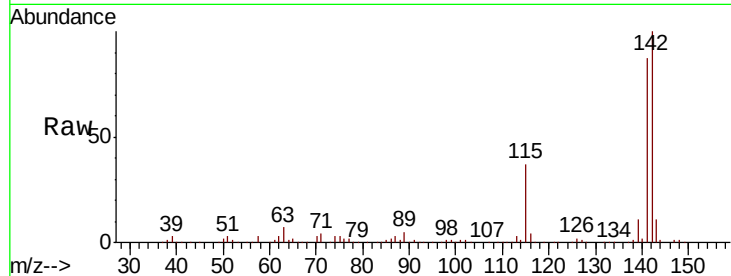




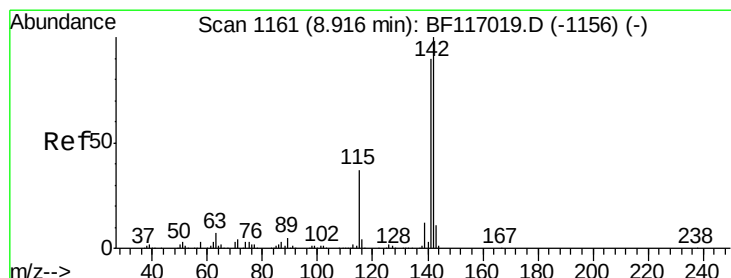
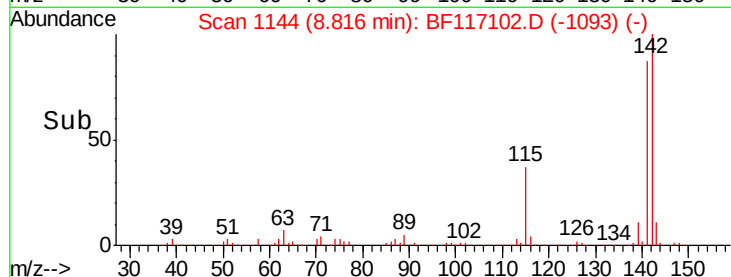
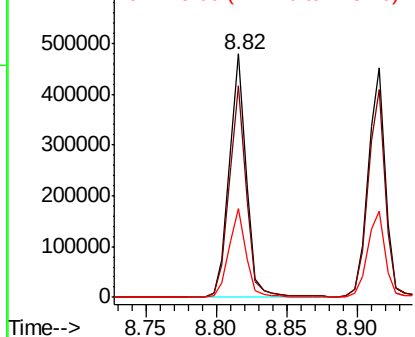
#37
2-Methylnaphthalene
Concen: 51.190 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.7	106.1
115	36.6	29.4	44.0

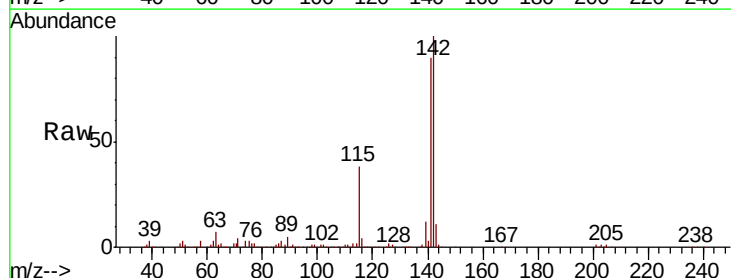


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

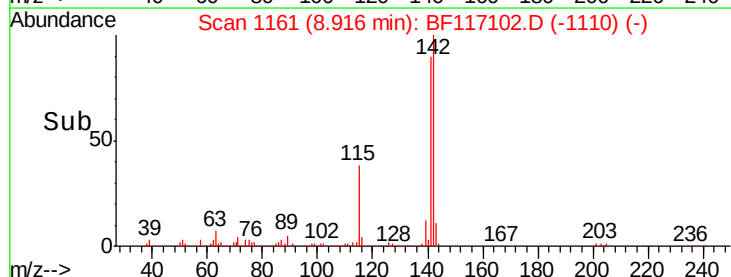
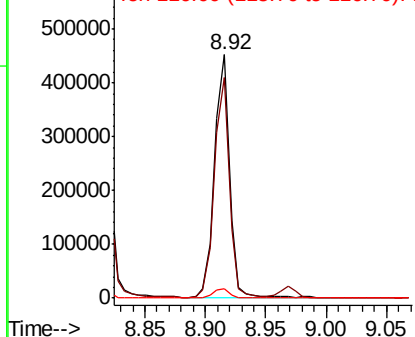


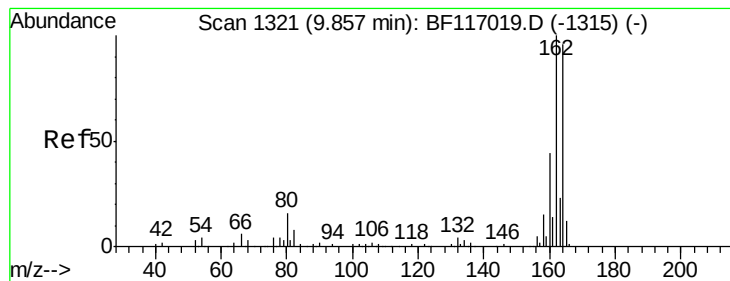
#38
1-Methylnaphthalene
Concen: 51.993 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.9	107.9
116	3.9	3.2	4.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

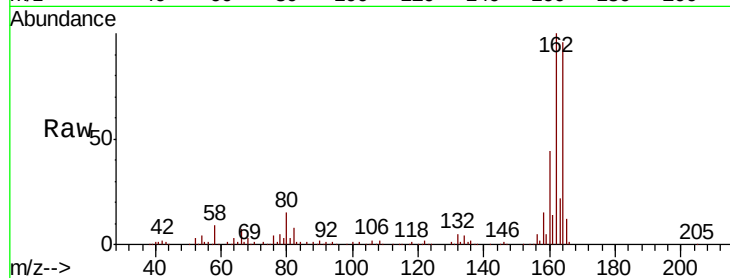
Tot Ion:164 Resp: 127934

Ion Ratio Lower Upper

164 100

162 104.2 83.4 125.2

160 45.6 36.4 54.6

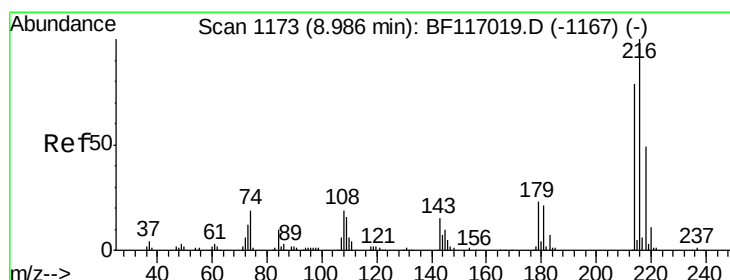
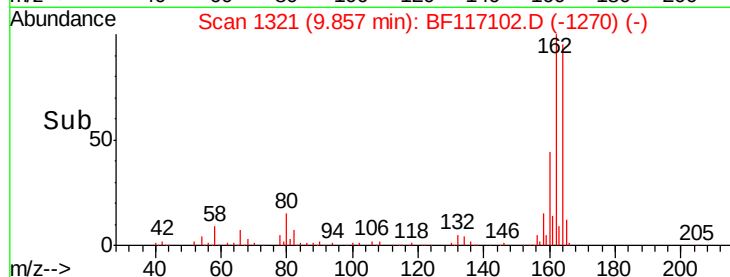
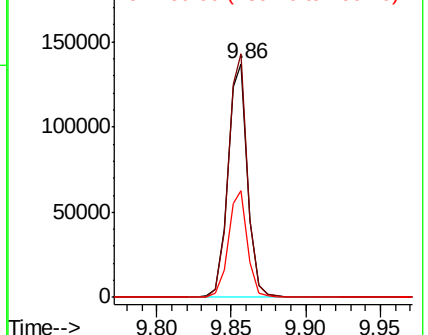


Abundance

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: 45.868 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Tgt Ion:216 Resp: 151531

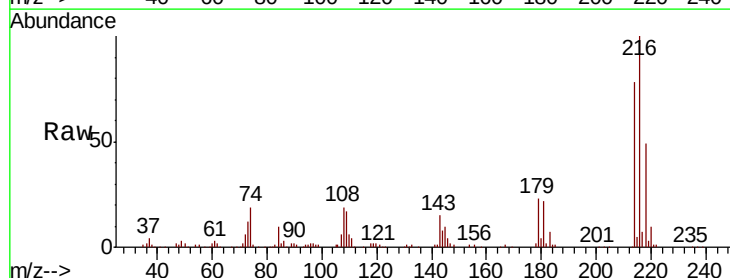
Ion Ratio Lower Upper

216 100

214 79.0 63.6 95.4

179 23.8 18.3 27.5

108 24.9 17.8 26.6



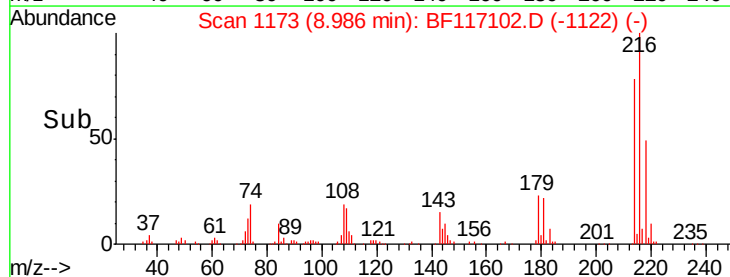
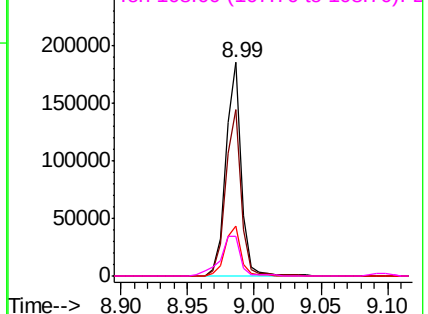
Abundance

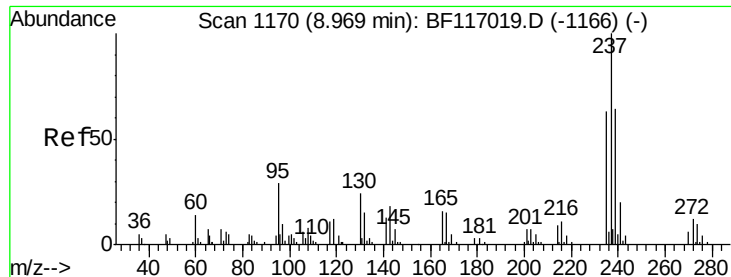
Ion 216.00 (215.70 to 216.70): E

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

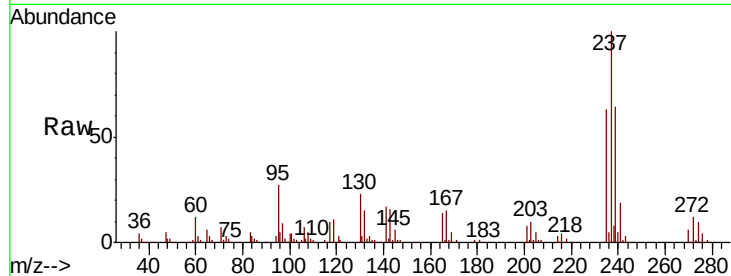




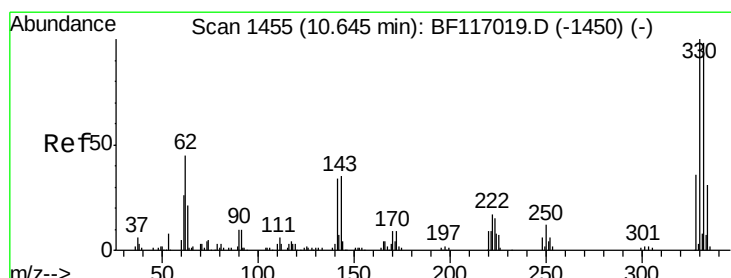
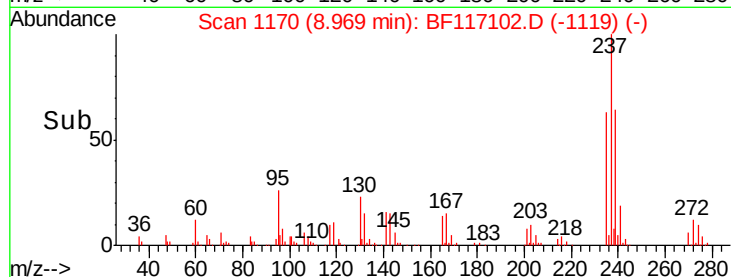
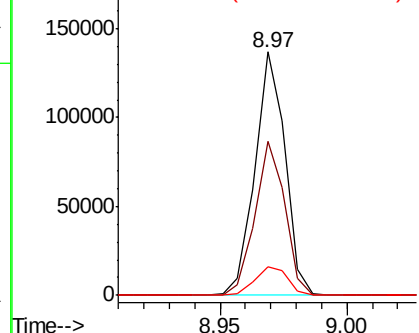
#41
Hexachlorocyclopentadiene
Concen: 77.620 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:237 Resp: 112968
Ion Ratio Lower Upper
237 100
235 63.5 43.2 83.2
272 11.8 0.0 31.9

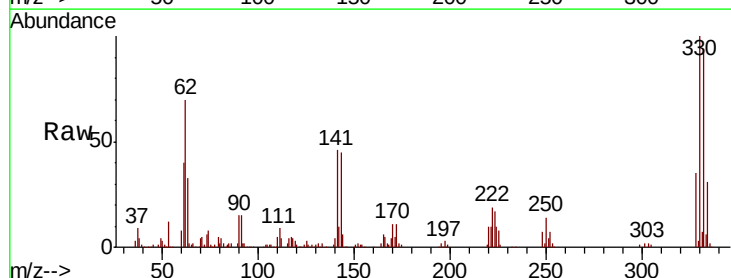


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

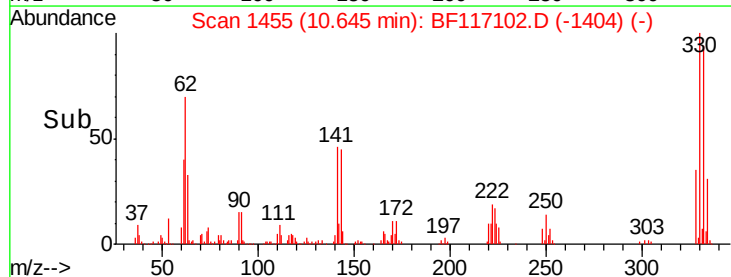
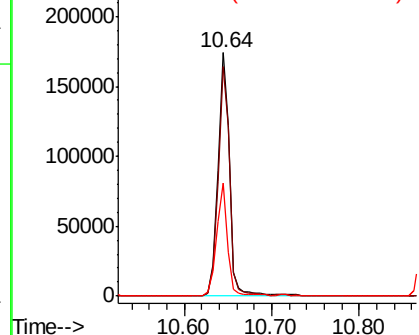


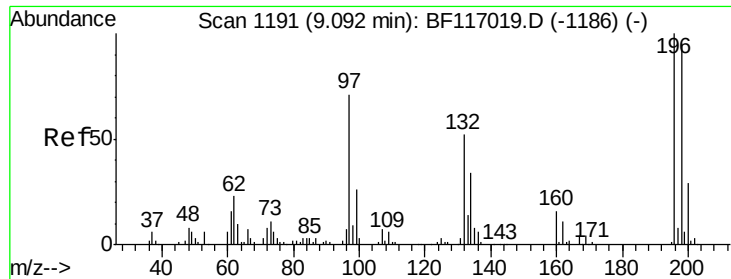
#42
2,4,6-Tribromophenol
Concen: 149.946 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:330 Resp: 160328
Ion Ratio Lower Upper
330 100
332 93.6 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

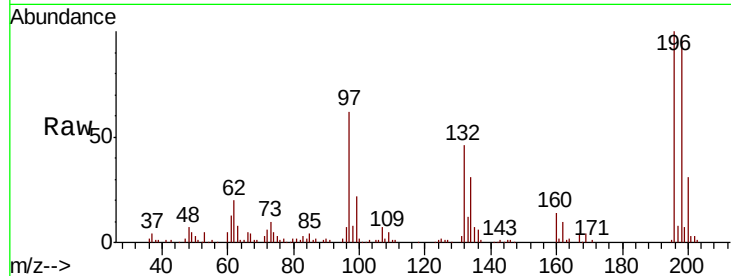




#43
 2,4,6-Trichlorophenol
 Concen: 48.227 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	196	Resp	108122
Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.7	113.5
200	30.5	23.3	34.9

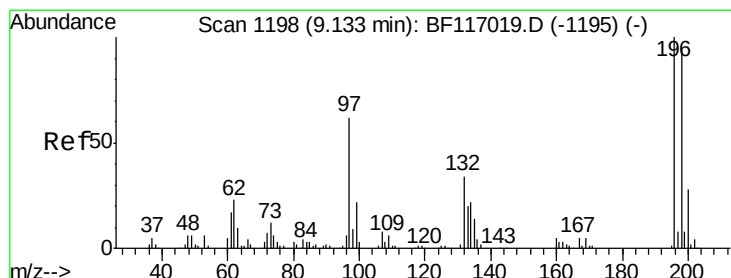
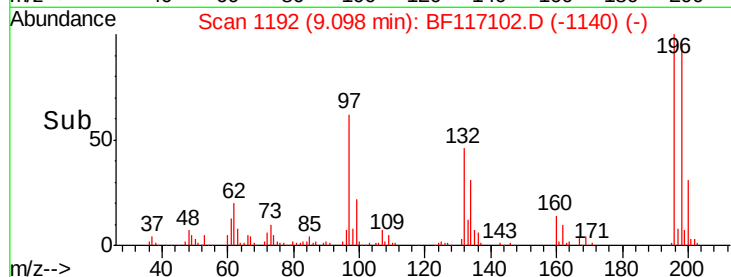
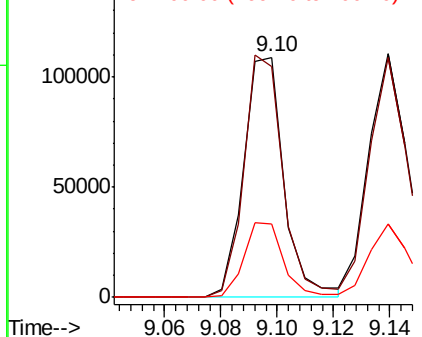


Abundance

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: 50.164 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	196	Resp	120158
Ion	Ratio	Lower	Upper
196	100		
198	98.7	74.6	112.0
97	61.8	49.5	74.3
132	33.1	27.4	41.2

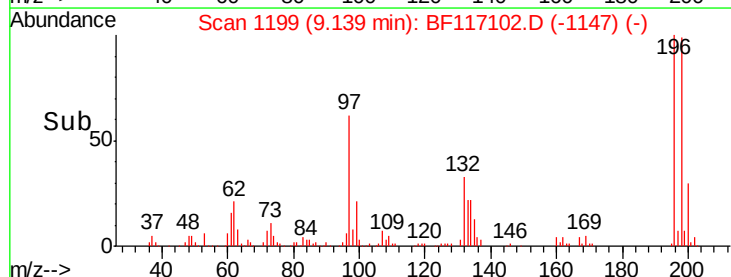
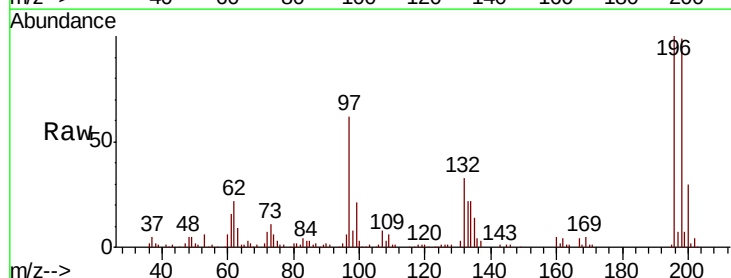
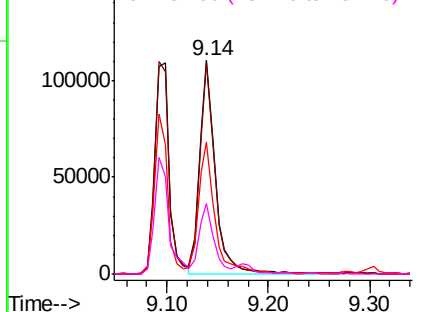
Abundance

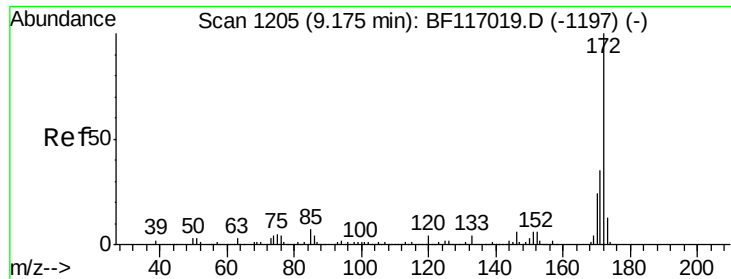
Ion 196.00 (195.70 to 196.70): E

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

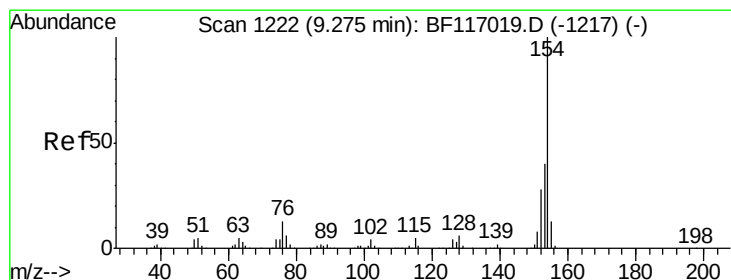
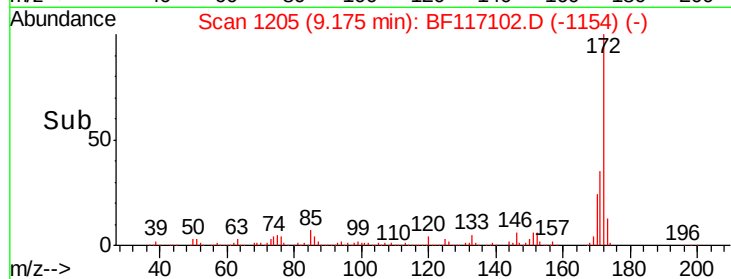
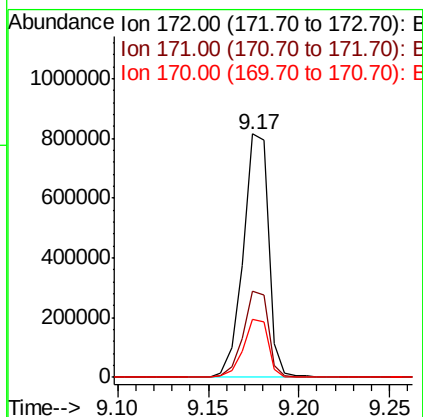
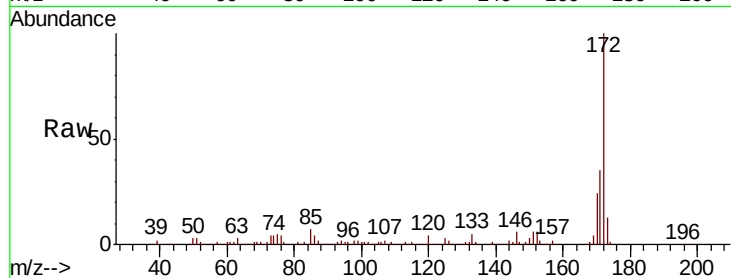




#45
 2-Fluorobiphenyl
 Concen: 96.529 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

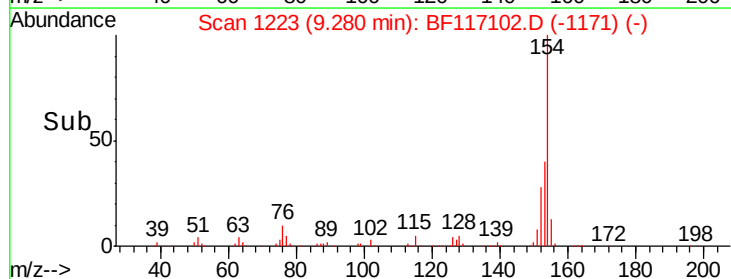
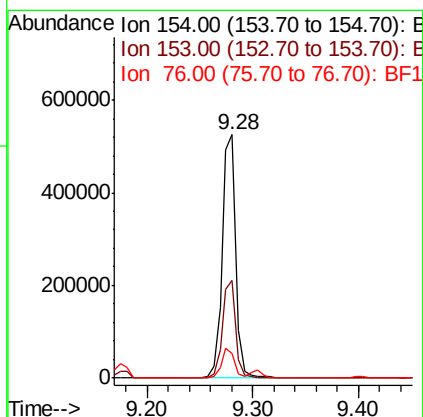
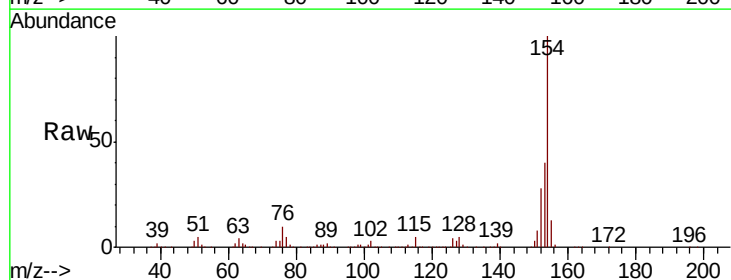
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

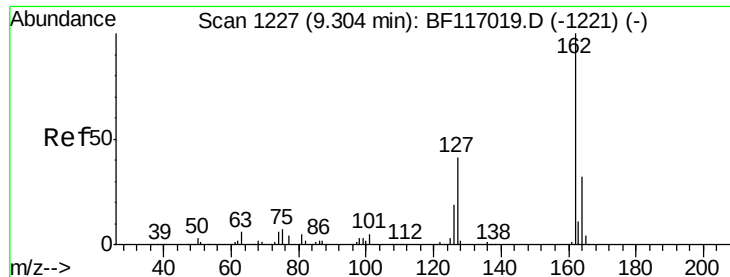
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.8	18.9	28.3



#46
 1,1'-Biphenyl
 Concen: 47.331 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.0	60.0
76	10.2	0.0	32.7

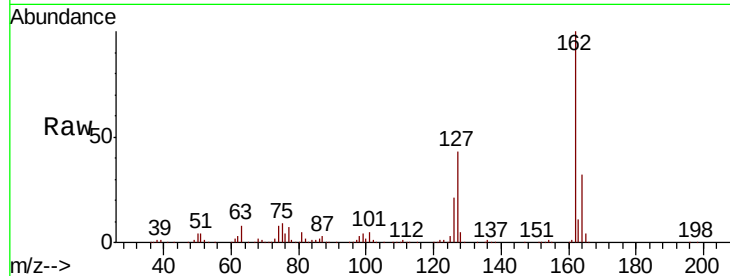




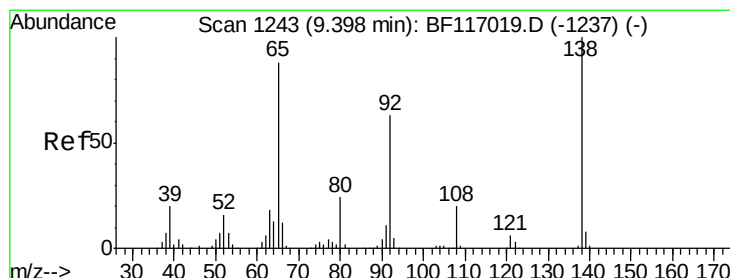
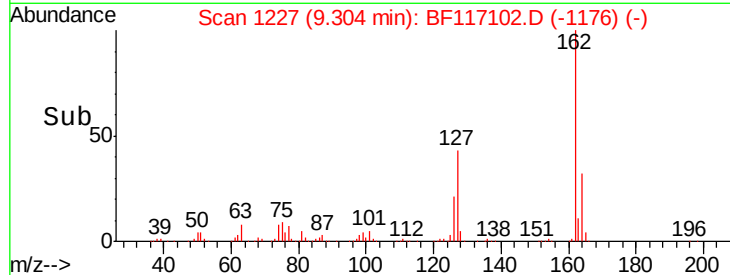
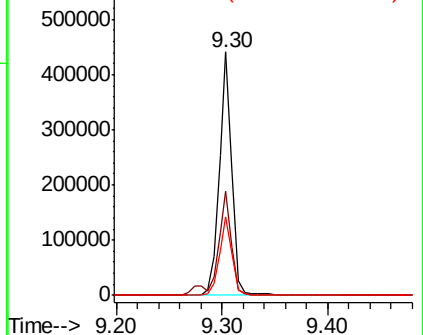
#47
 2-Chloronaphthalene
 Concen: 46.773 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.7	34.1	51.1
164	32.2	25.9	38.9

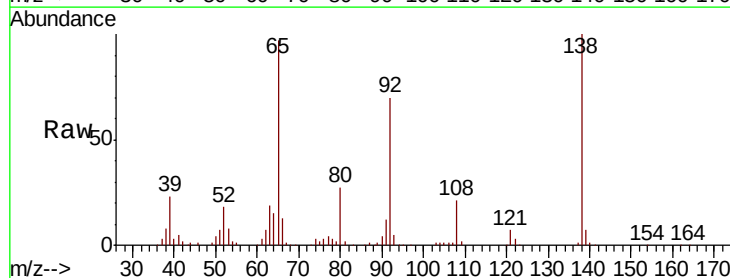


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

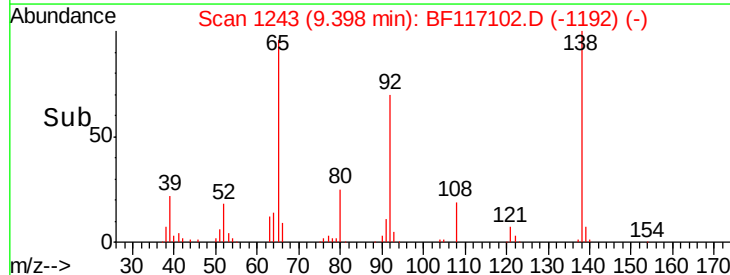
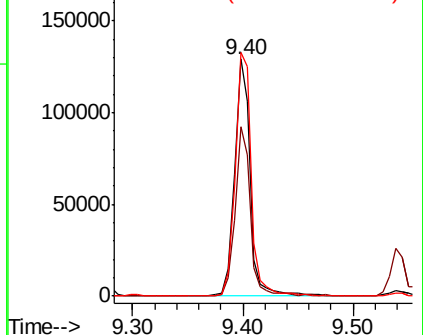


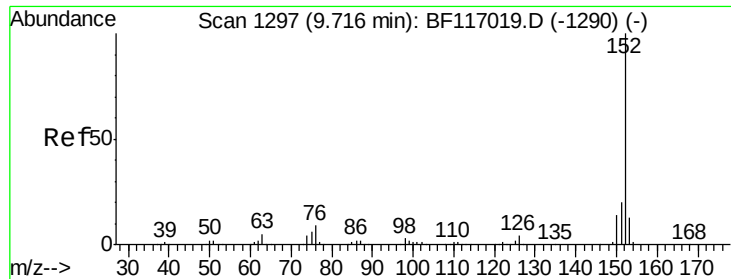
#48
 2-Nitroaniline
 Concen: 50.385 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.6	57.5	86.3
138	102.9	90.6	136.0



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





#49

Acenaphthylene

Concen: 49.512 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

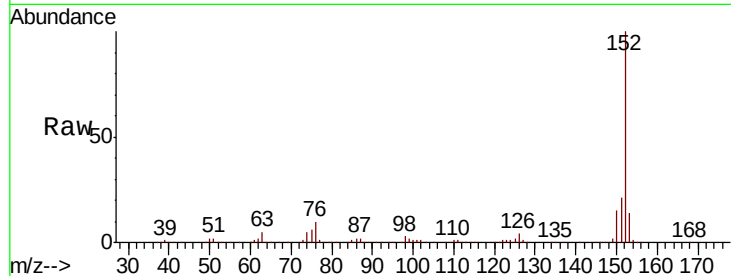
Tot Ion:152 Resp: 587433

Ion Ratio Lower Upper

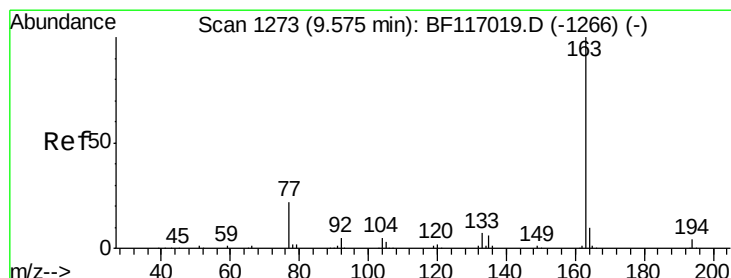
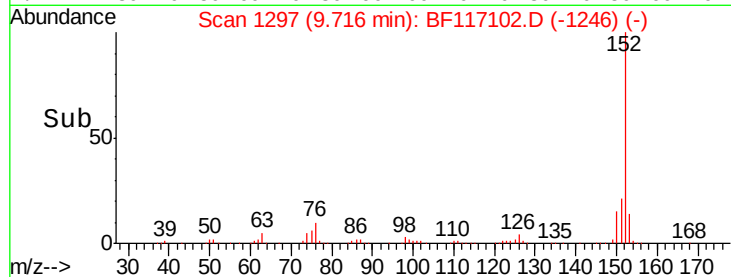
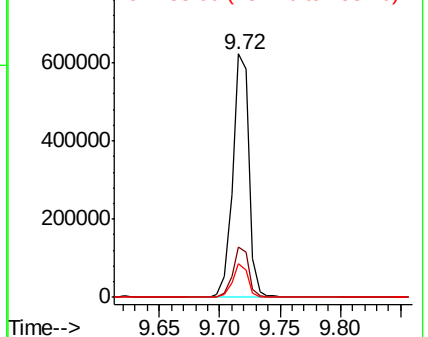
152 100

151 20.7 16.2 24.2

153 13.6 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: 50.536 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

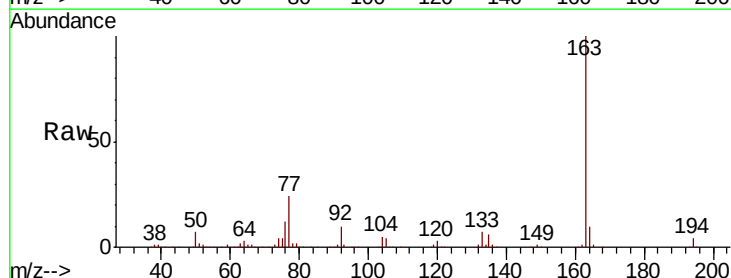
Tgt Ion:163 Resp: 457776

Ion Ratio Lower Upper

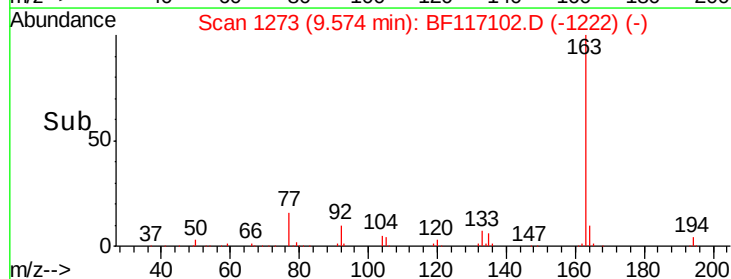
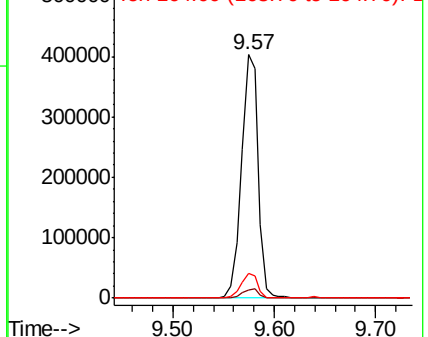
163 100

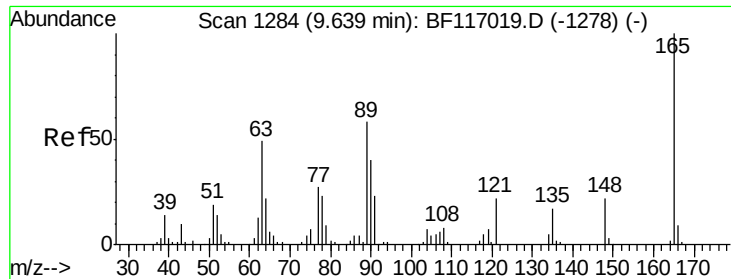
194 3.5 2.9 4.3

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

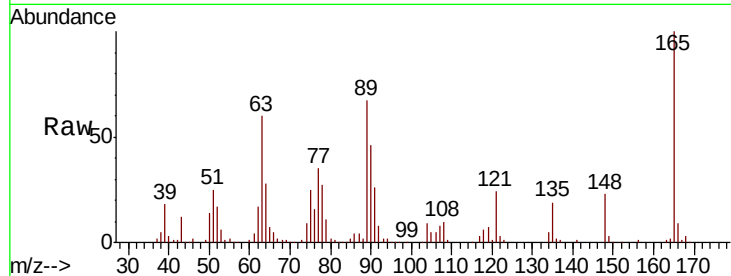




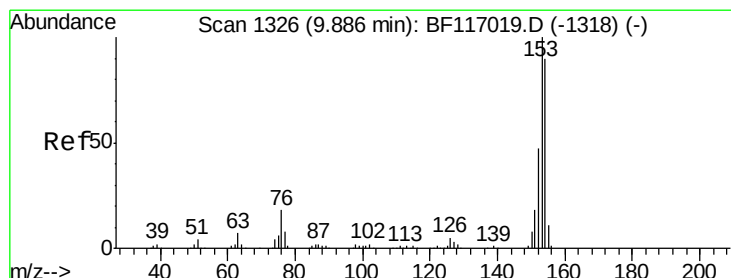
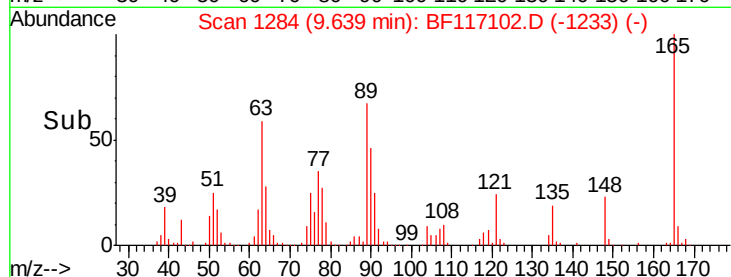
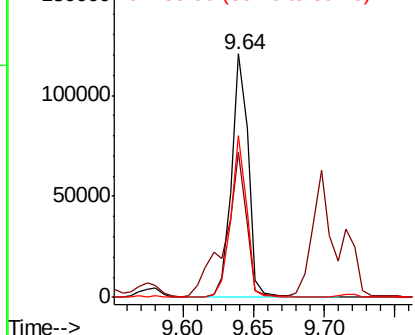
#51
 2,6-Dinitrotoluene
 Concen: 54.044 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion:165 Resp: 99705
 Ion Ratio Lower Upper
 165 100
 63 59.5 41.8 62.8
 89 66.5 46.5 69.7

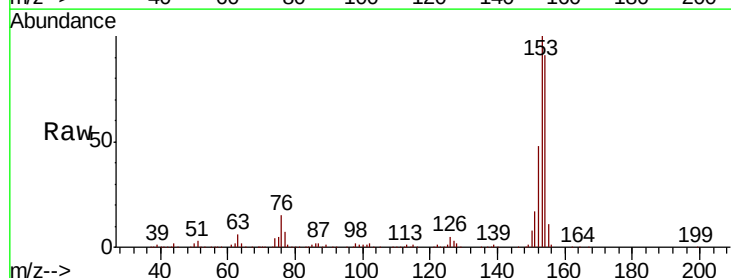


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

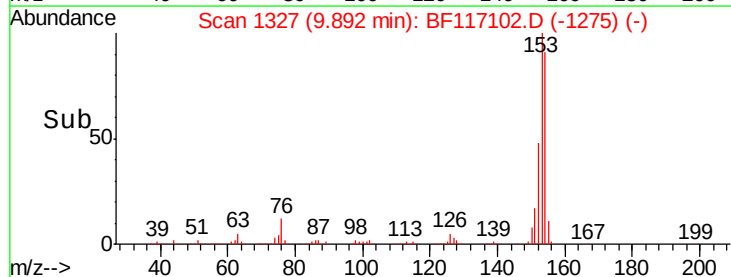
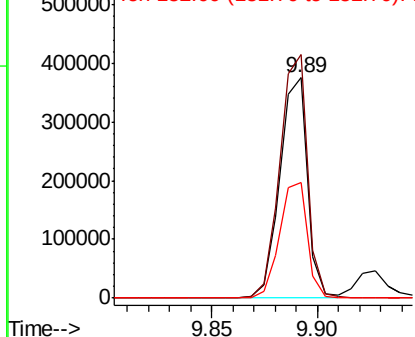


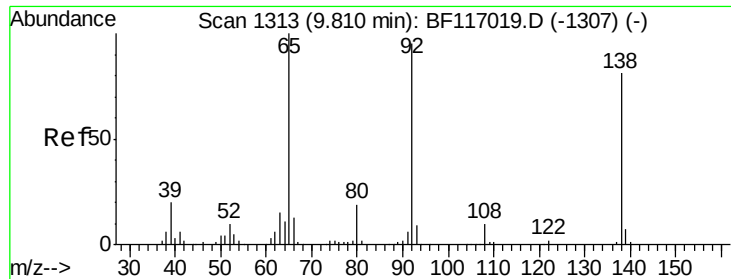
#52
 Acenaphthene
 Concen: 48.596 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:154 Resp: 341781
 Ion Ratio Lower Upper
 154 100
 153 110.4 89.0 133.6
 152 52.5 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

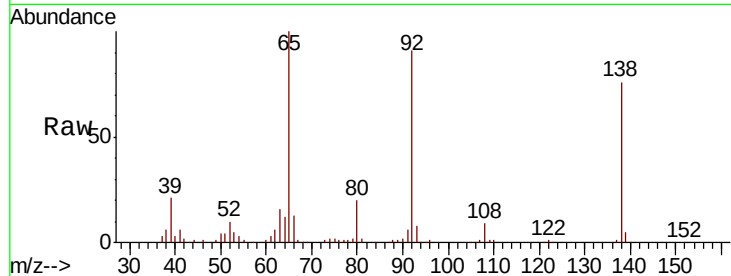




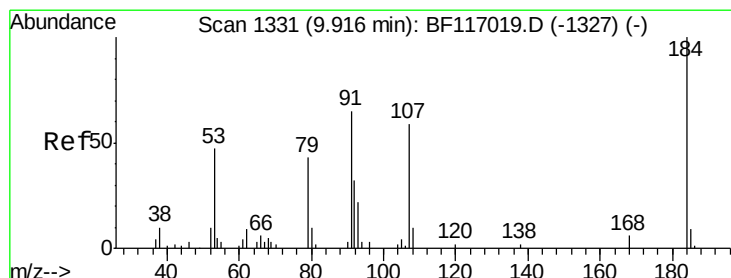
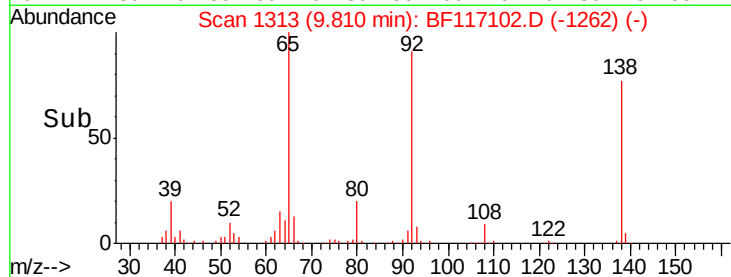
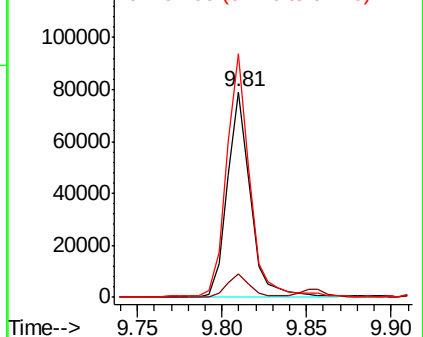
#53
3-Nitroaniline
Concen: 32.313 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:138 Resp: 75216
Ion Ratio Lower Upper
138 100
108 11.7 9.5 14.3
92 118.4 94.1 141.1

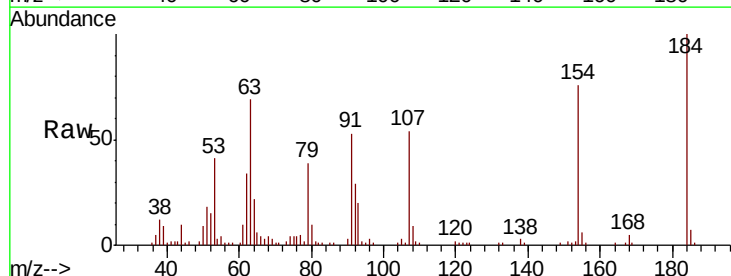


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

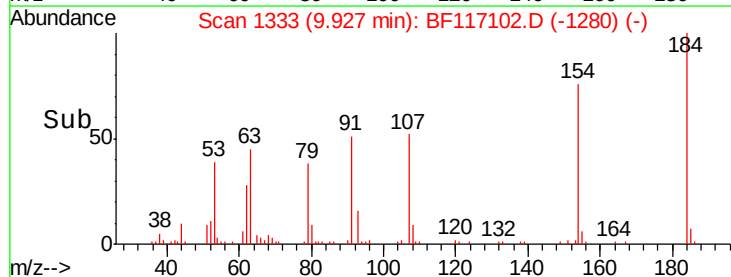
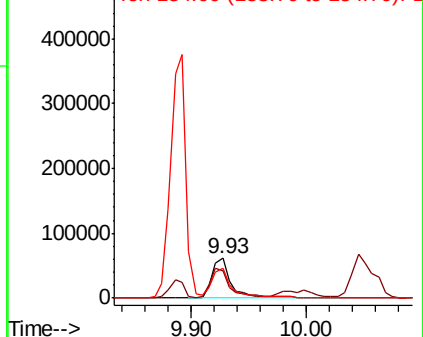


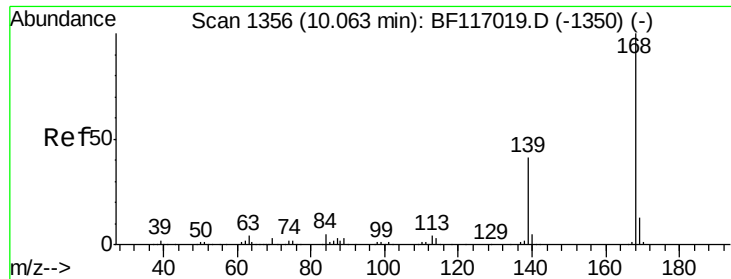
#54
2,4-Dinitrophenol
Concen: 92.611 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:184 Resp: 75075
Ion Ratio Lower Upper
184 100
63 69.0 63.8 95.6
154 76.3 60.4 90.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

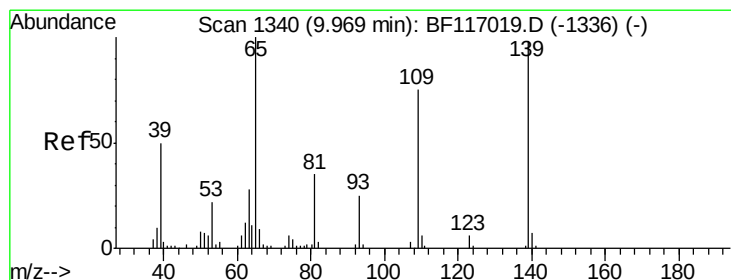
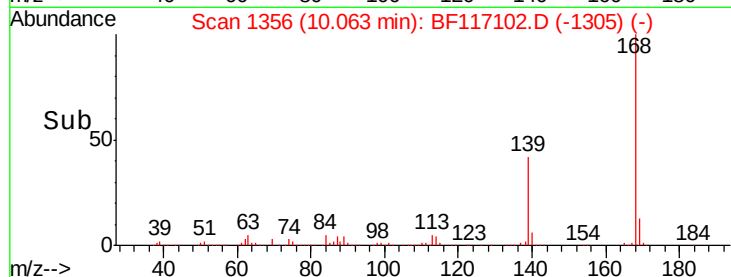
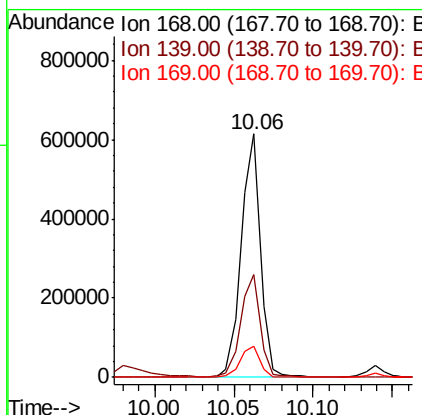
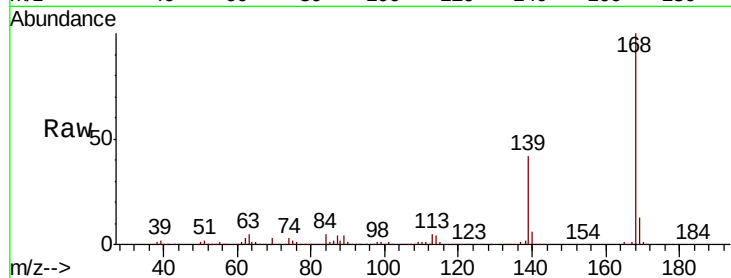




#55
Dibenzenofuran
Concen: 49.968 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

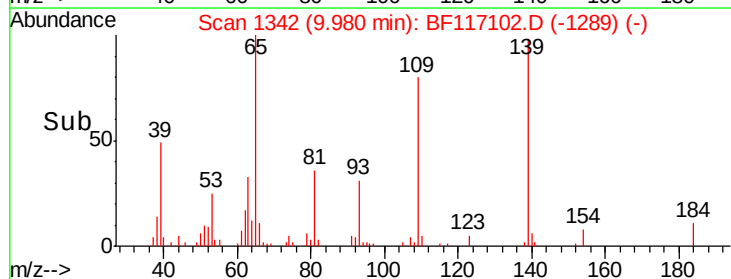
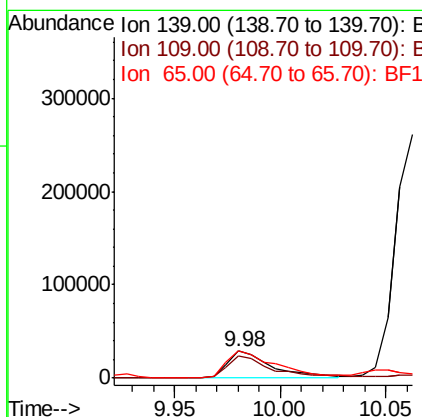
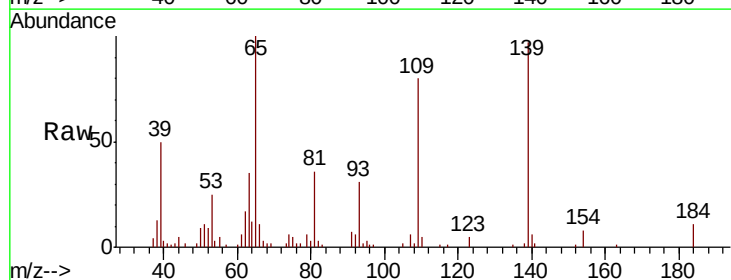
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

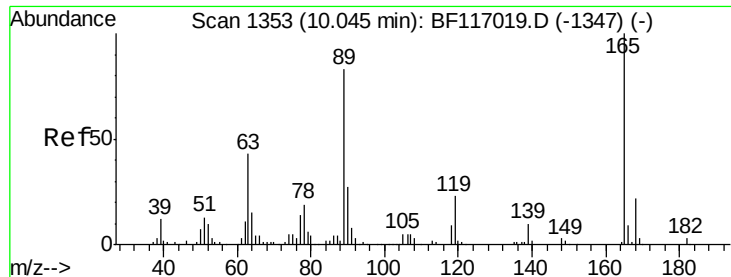
Tot Ion:168 Resp: 518502
Ion Ratio Lower Upper
168 100
139 42.5 32.8 49.2
169 13.0 10.5 15.7



#56
4-Nitrophenol
Concen: 27.729 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:139 Resp: 41832
Ion Ratio Lower Upper
139 100
109 83.0 56.4 96.4
65 103.5 82.5 122.5

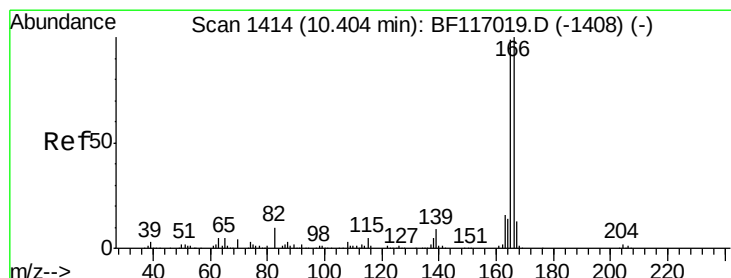
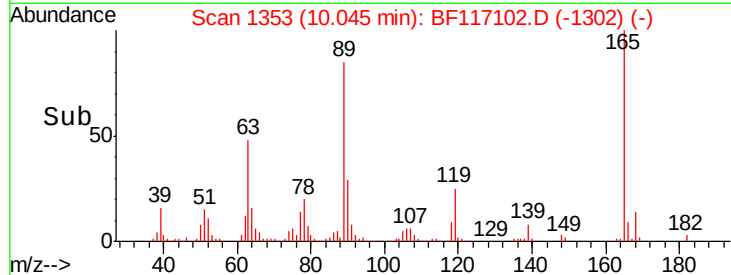
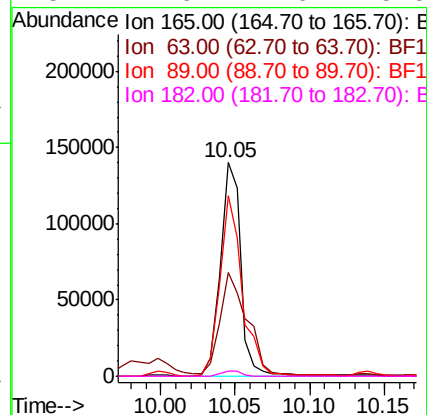
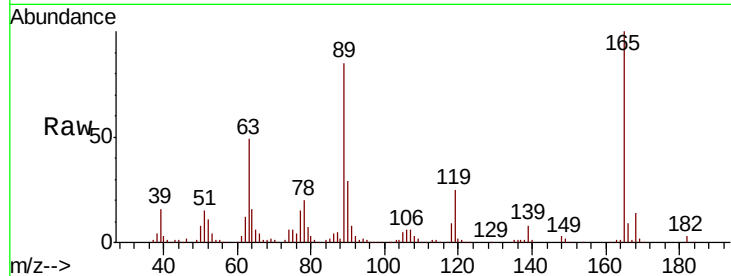




#57
2,4-Dinitrotoluene
Concen: 56.292 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

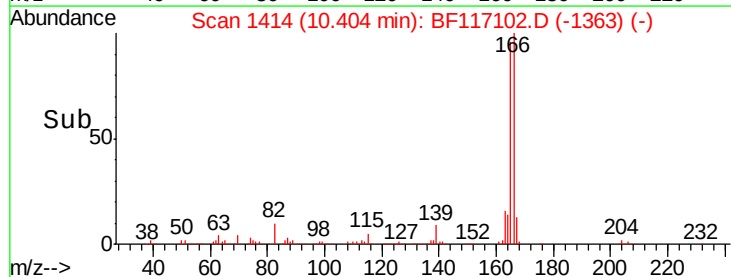
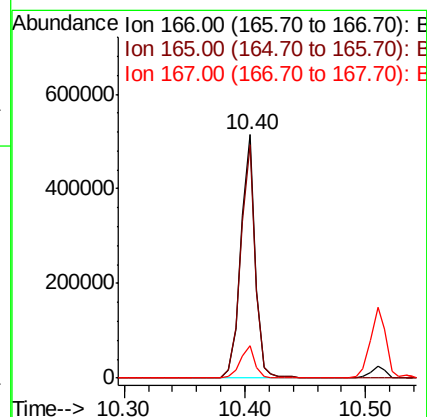
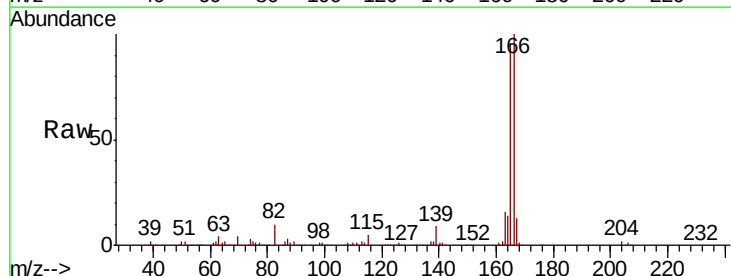
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

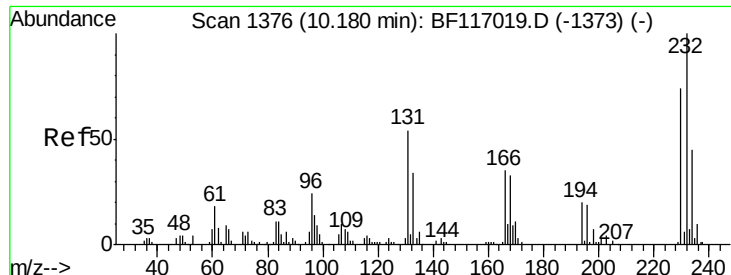
Tot Ion	Ratio	Lower	Upper
165	100		
63	48.5	35.0	52.4
89	84.8	66.1	99.1
182	2.6	2.0	3.0



#58
Fluorene
Concen: 51.251 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.9	118.3
167	13.4	10.6	15.8





#59

2,3,4,6-Tetrachlorophenol

Concen: 51.460 ng

RT: 10.18 min Scan# 1376

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

Tot Ion:232 Resp: 94326

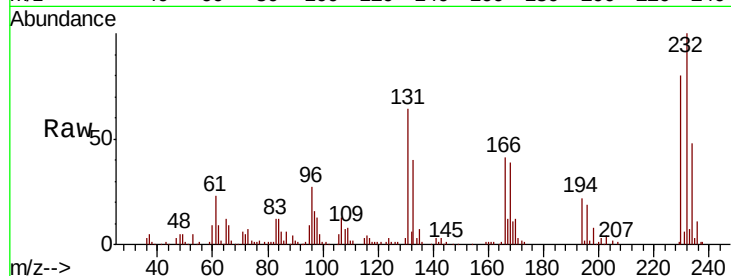
Ion Ratio Lower Upper

232 100

131 55.7 45.3 67.9

130 2.6 1.8 2.8

166 35.6 29.4 44.2

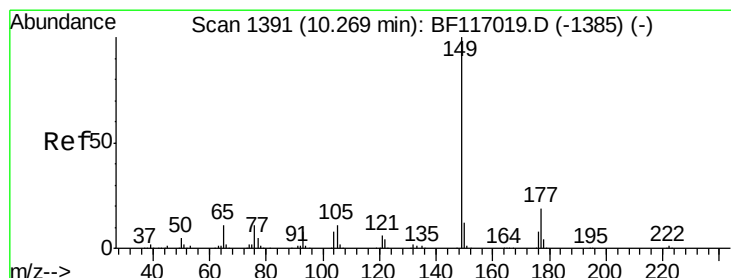
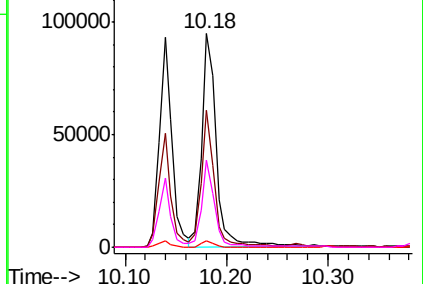
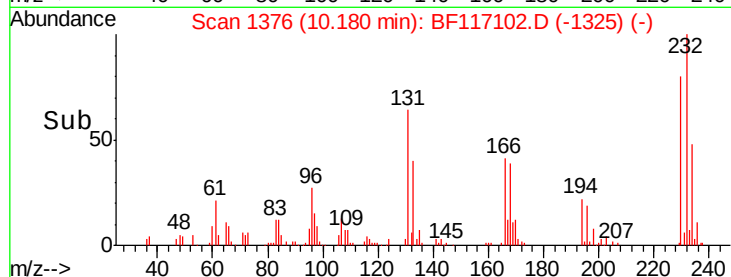


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 50.995 ng

RT: 10.27 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

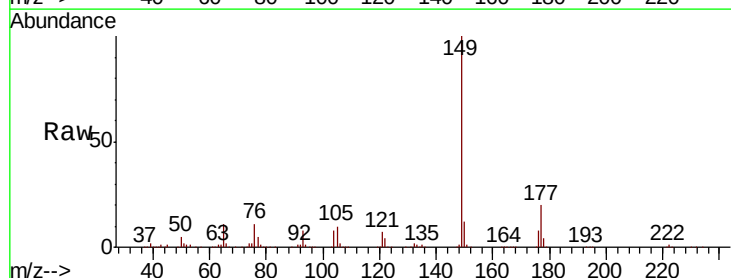
Tgt Ion:149 Resp: 454459

Ion Ratio Lower Upper

149 100

177 19.8 15.2 22.8

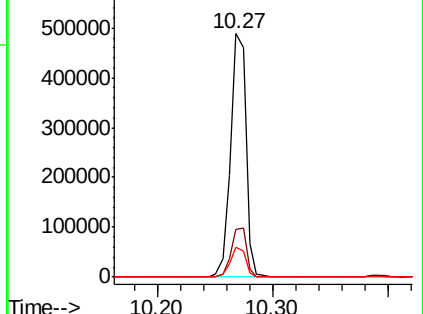
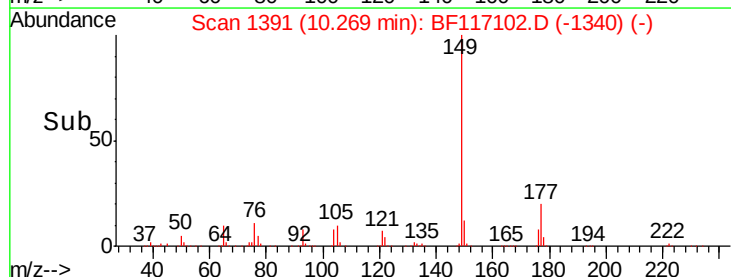
150 12.5 9.9 14.9

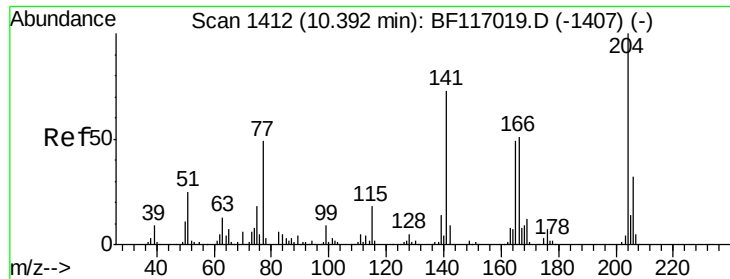


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

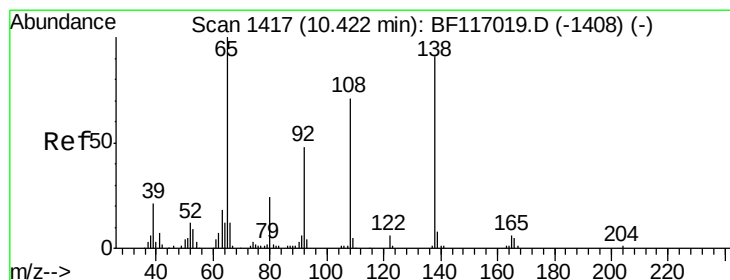
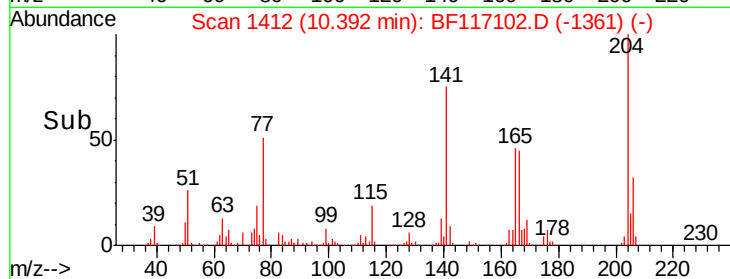
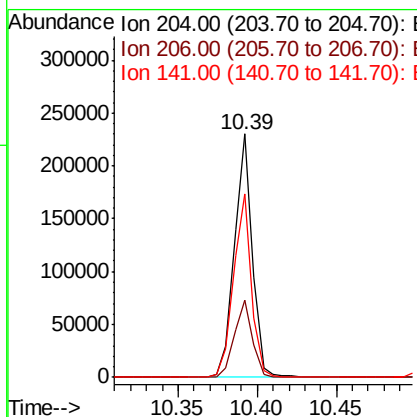
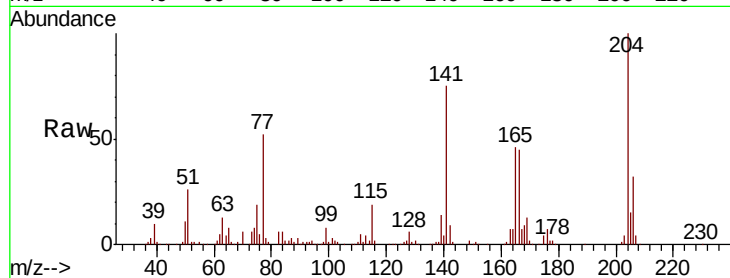




#61
 4-Chlorophenyl-phenylether
 Concen: 50.129 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

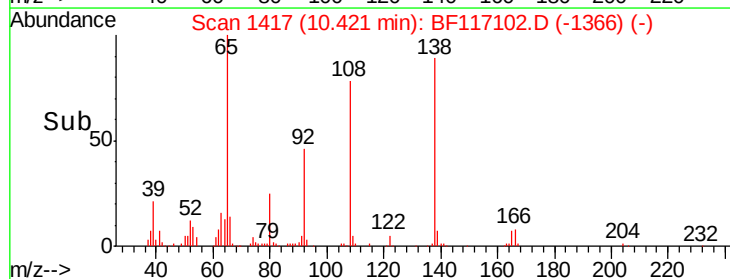
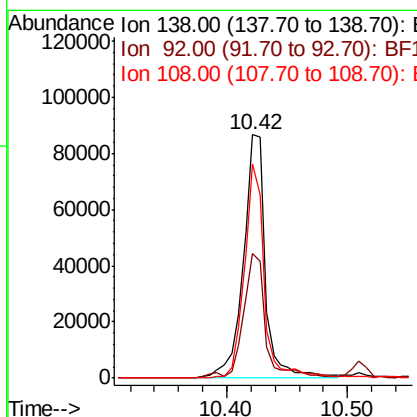
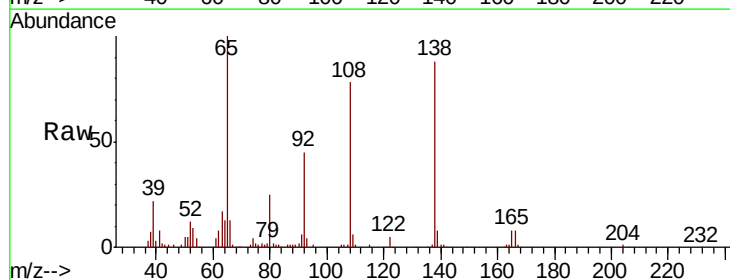
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

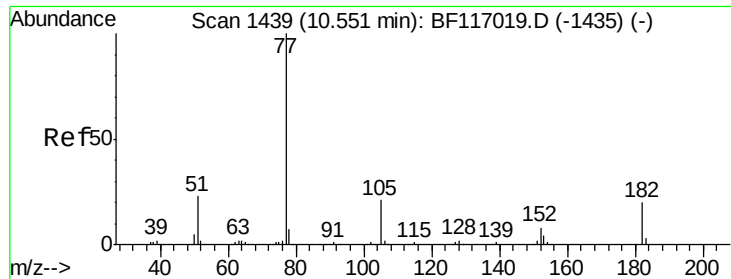
Tot Ion:	204	Resp:	181294
Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.0	39.0
141	75.2	58.2	87.2



#62
 4-Nitroaniline
 Concen: 46.015 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:	138	Resp:	111388
Ion	Ratio	Lower	Upper
138	100		
92	51.2	32.9	72.9
108	87.9	58.3	98.3





#63

Azobenzene

Concen: 50.774 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

Tot Ion: 77 Resp: 462139

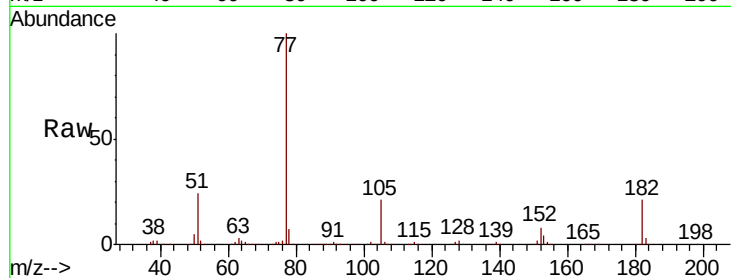
Ion Ratio Lower Upper

77 100

182 20.8 0.4 40.4

105 21.2 0.9 40.9

51 24.0 2.8 42.8

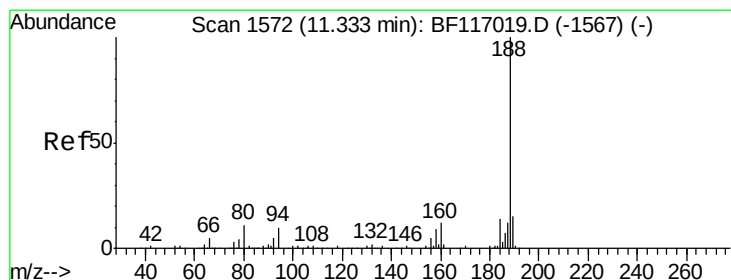
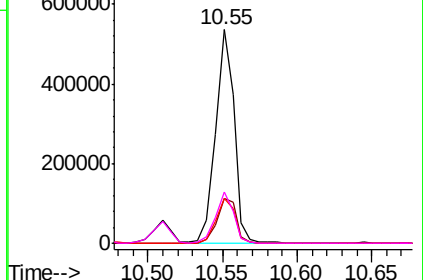
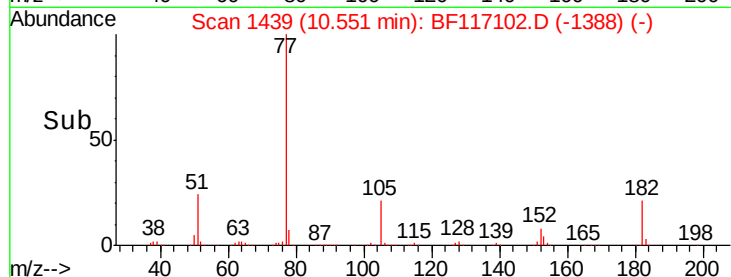


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

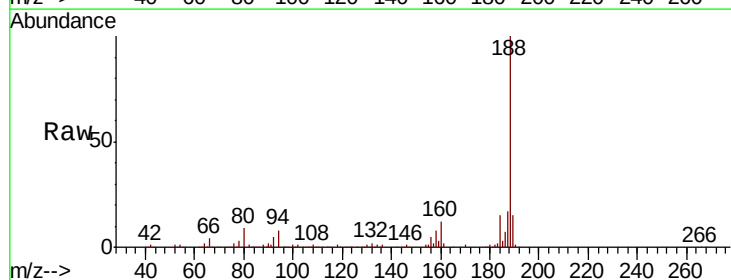
Tgt Ion: 188 Resp: 208693

Ion Ratio Lower Upper

188 100

94 7.7 8.2 12.2#

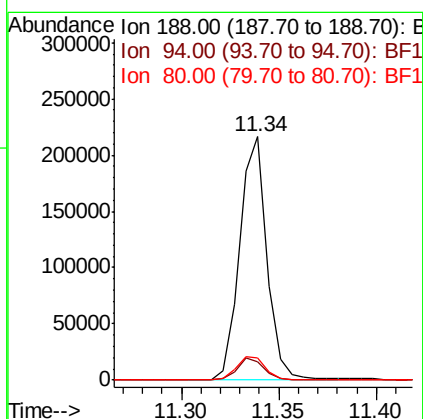
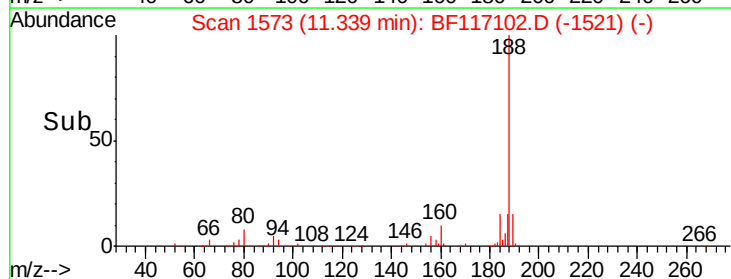
80 9.1 9.0 13.6

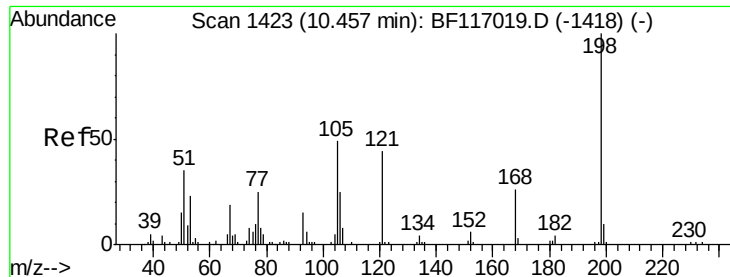


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

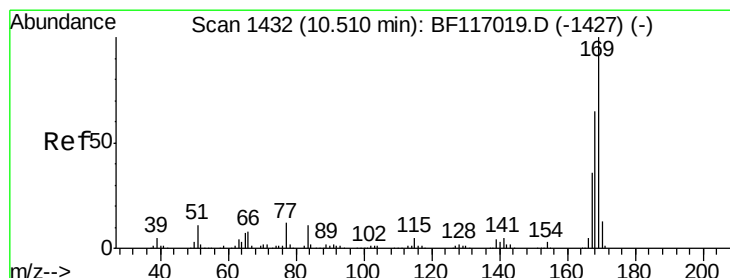
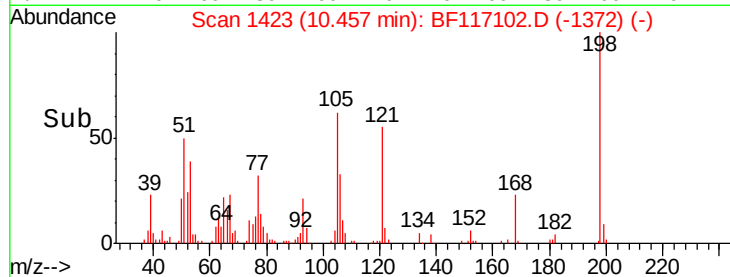
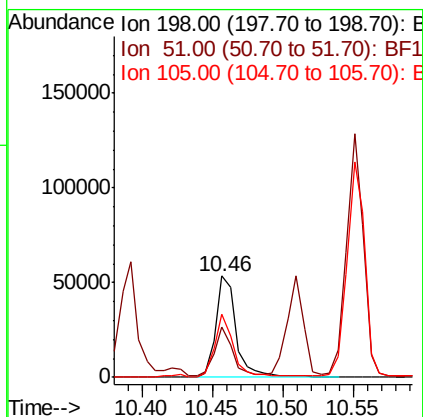
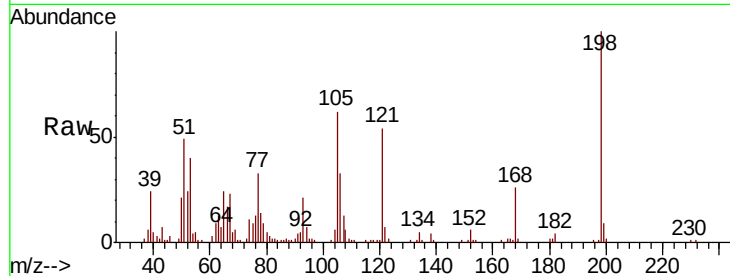




#65
 4,6-Dinitro-2-methylphenol
 Concen: 56.058 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

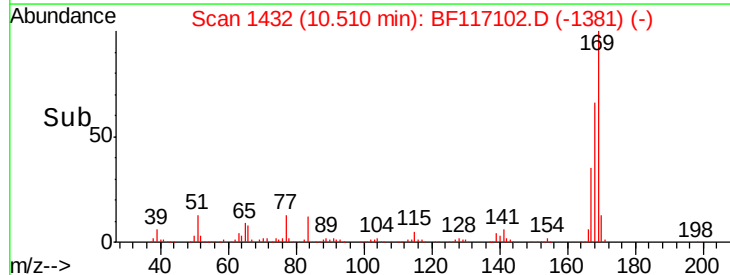
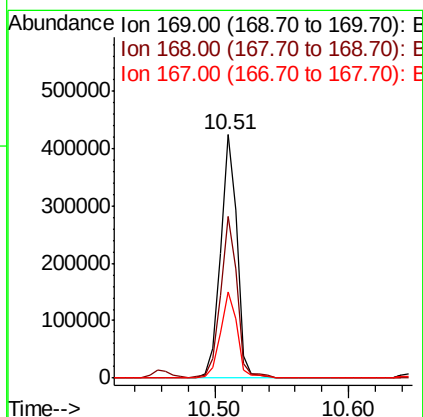
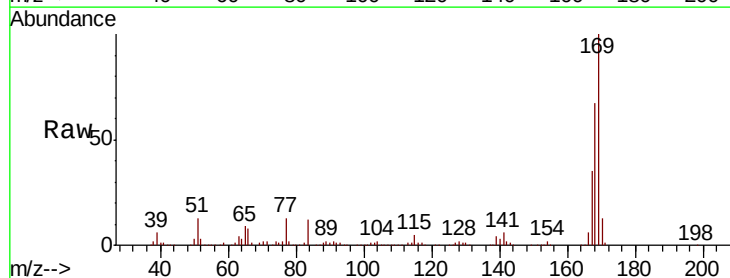
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

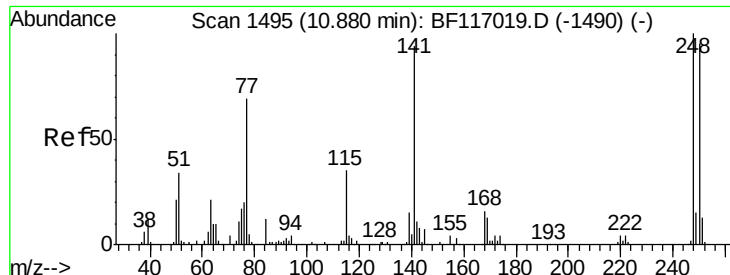
Tot Ion	Ratio	Lower	Upper
198	100		
51	49.3	18.7	58.7
105	61.7	30.2	70.2



#66
 n-Nitrosodiphenylamine
 Concen: 51.616 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.2	78.2
167	35.4	28.8	43.2

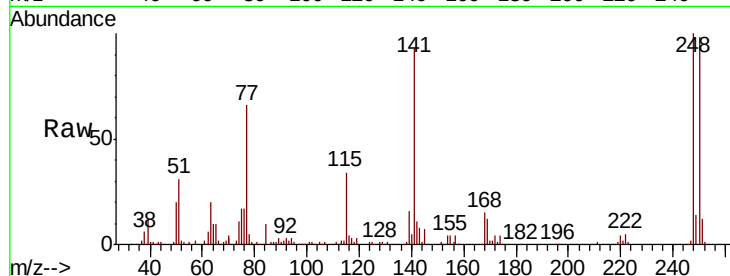




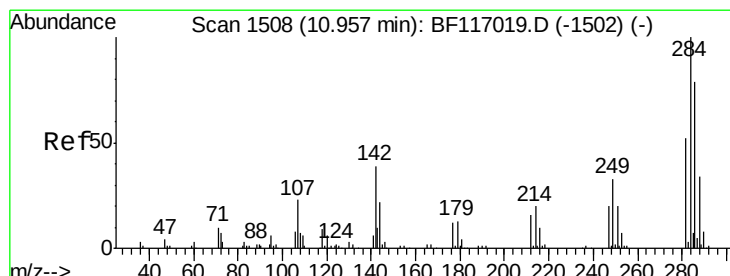
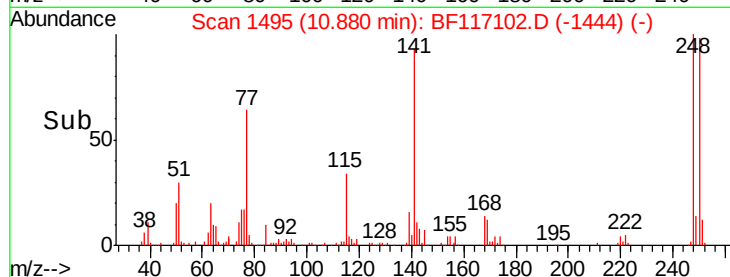
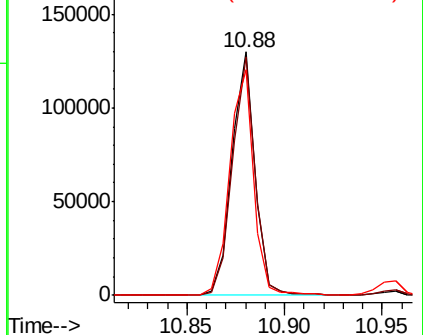
#67
4-Bromophenyl-phenylether
Concen: 49.922 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:248 Resp: 106396
Ion Ratio Lower Upper
248 100
250 97.7 76.2 114.4
141 92.6 75.0 112.4

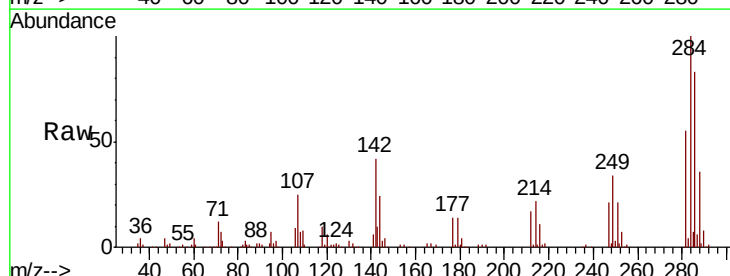


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

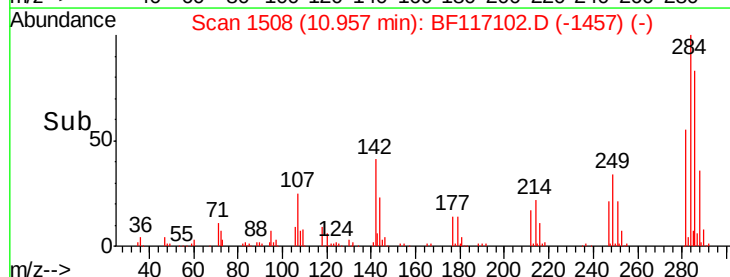
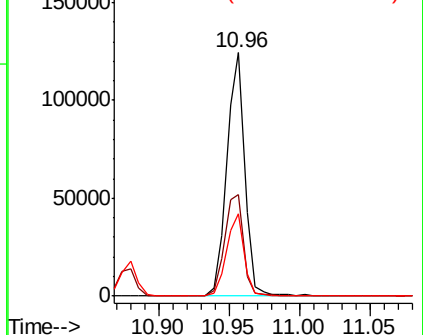


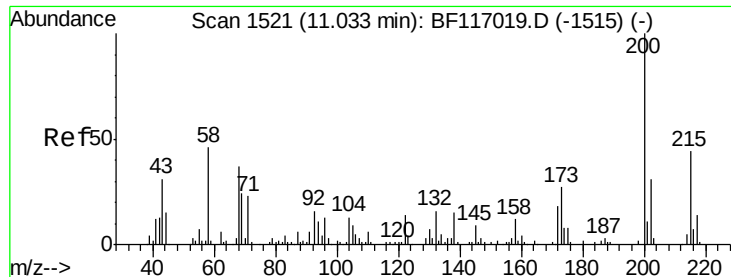
#68
Hexachlorobenzene
Concen: 47.192 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:284 Resp: 110009
Ion Ratio Lower Upper
284 100
142 41.6 31.4 47.2
249 34.1 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: 61.437 ng

RT: 11.04 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

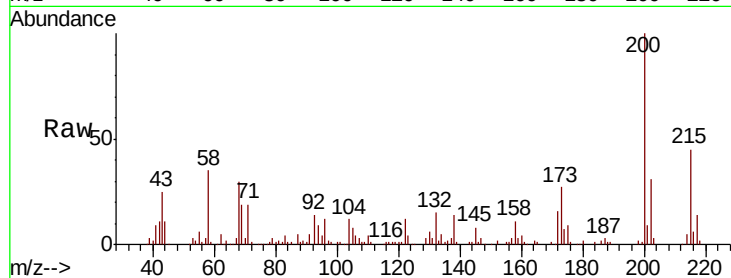
Tot Ion:200 Resp: 99791

Ion Ratio Lower Upper

200 100

173 27.1 6.9 46.9

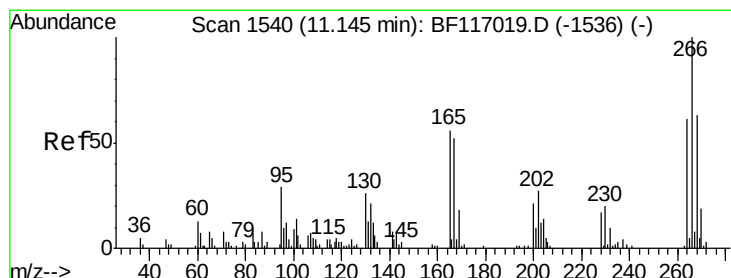
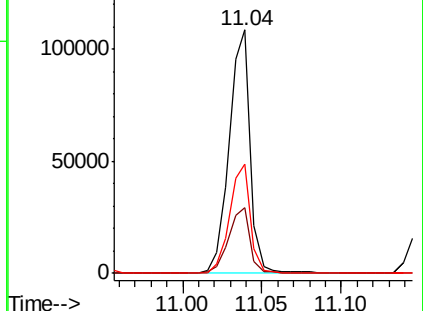
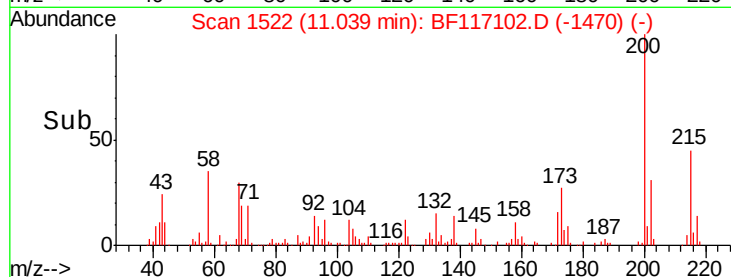
215 44.8 23.8 63.8



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: 102.958 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

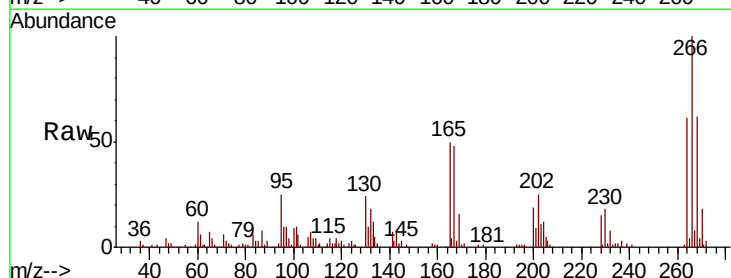
Tgt Ion:266 Resp: 112501

Ion Ratio Lower Upper

266 100

268 61.5 50.5 75.7

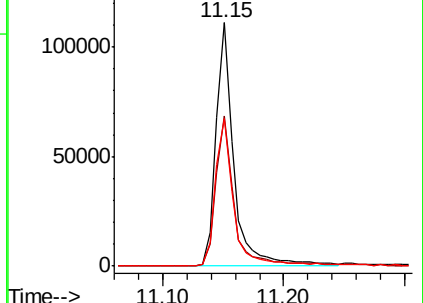
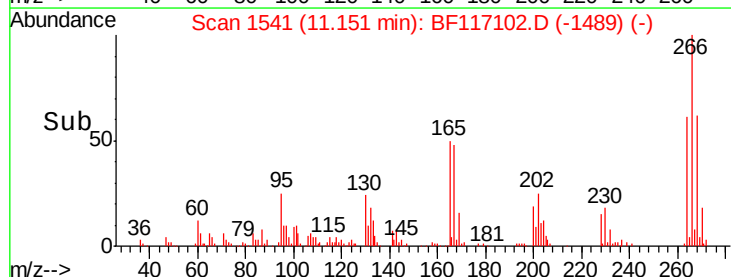
264 60.9 48.8 73.2

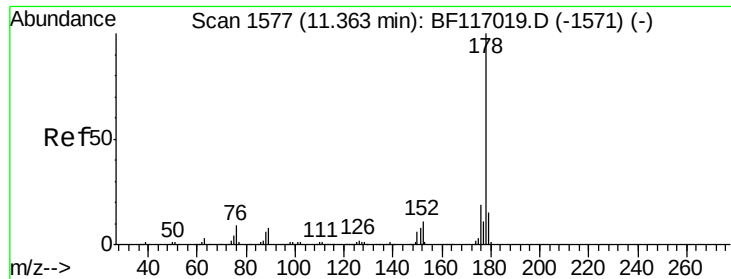


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 51.361 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

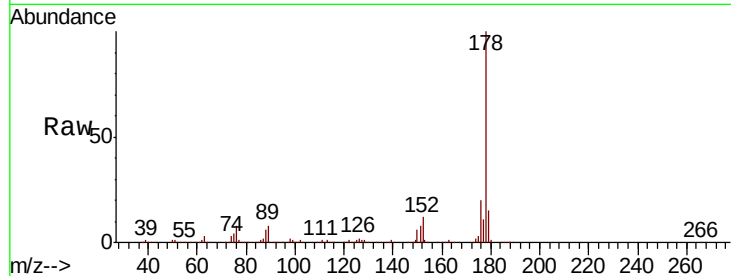
Tot Ion:178 Resp: 608817

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

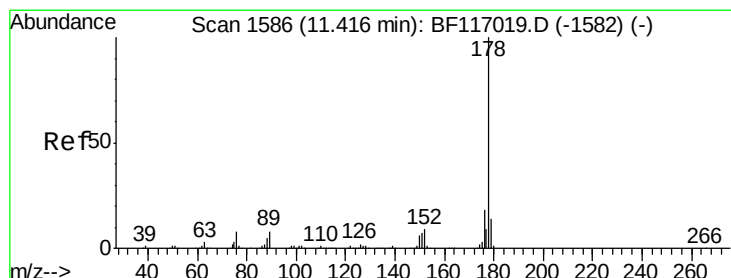
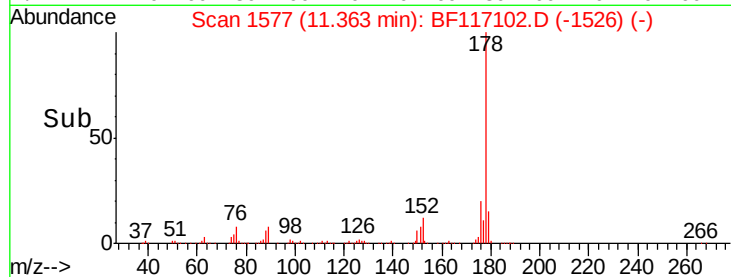
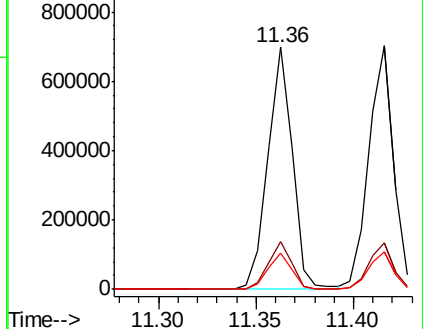
179 15.1 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.663 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

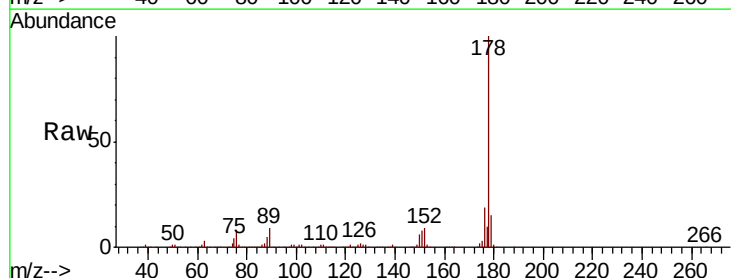
Tgt Ion:178 Resp: 637315

Ion Ratio Lower Upper

178 100

176 19.0 14.6 21.8

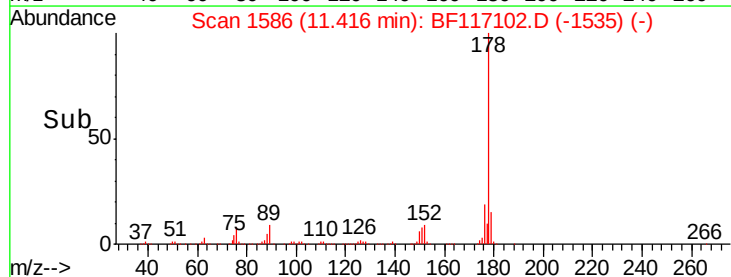
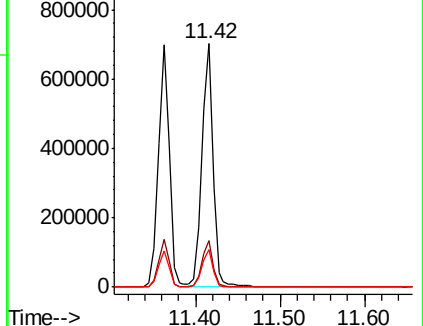
179 15.4 11.6 17.4

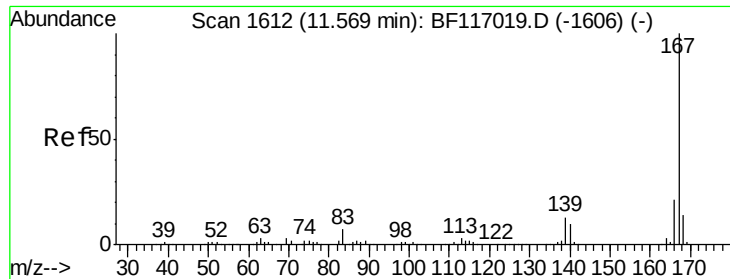


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

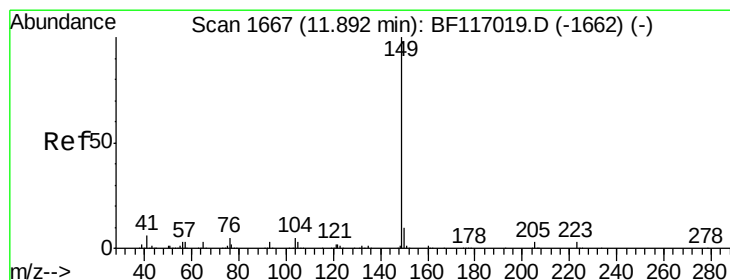
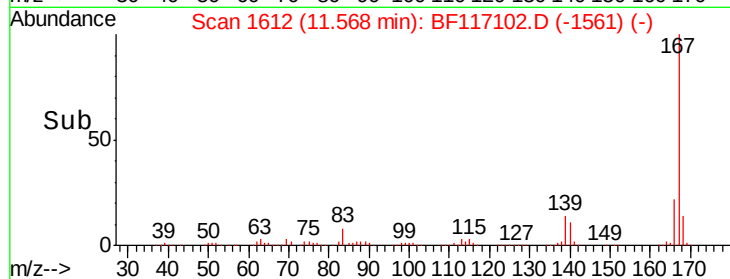
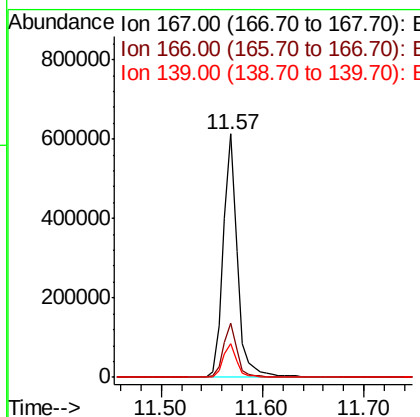
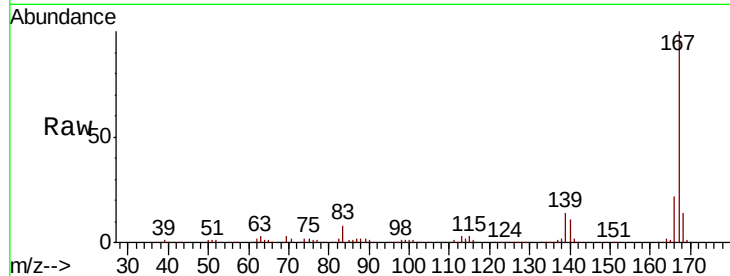




#73
 Carbazole
 Concen: 51.768 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

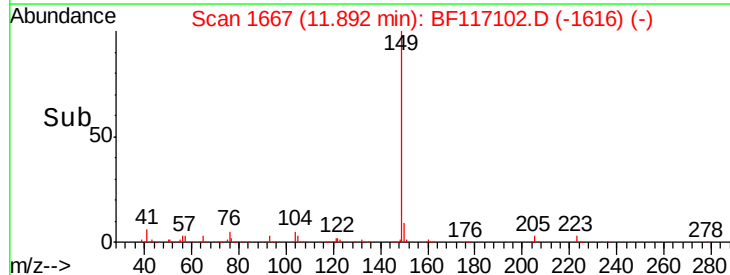
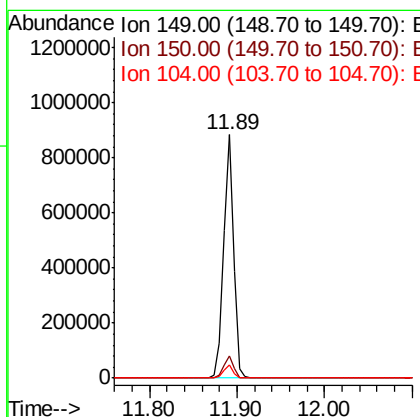
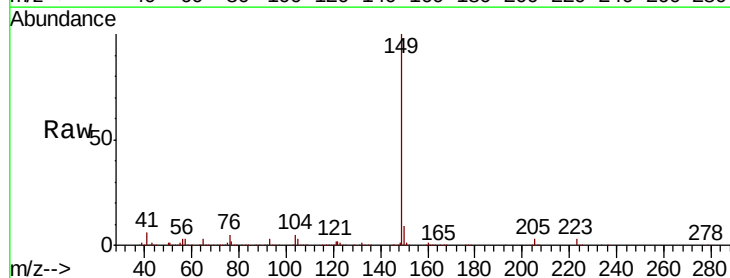
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

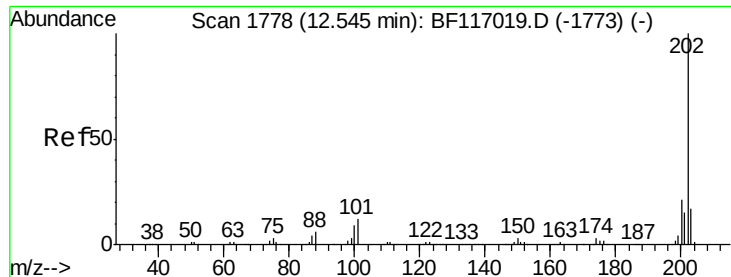
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	13.9	10.6	16.0



#74
 Di-n-butylphthalate
 Concen: 51.929 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	5.3	4.2	6.4

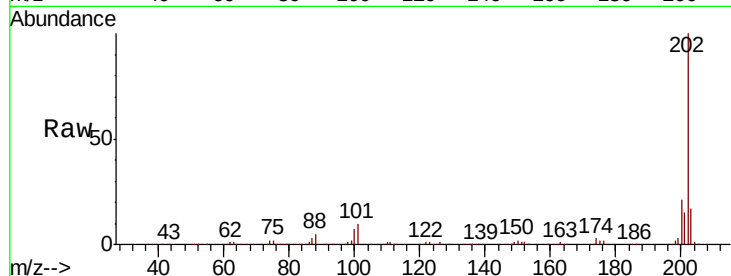




#75
 Fluoranthene
 Concen: 50.575 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.3
203	17.2	0.0	37.1

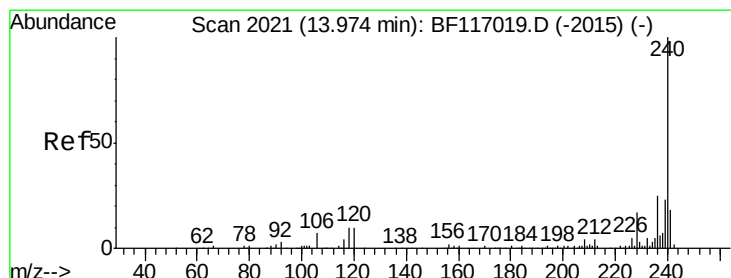
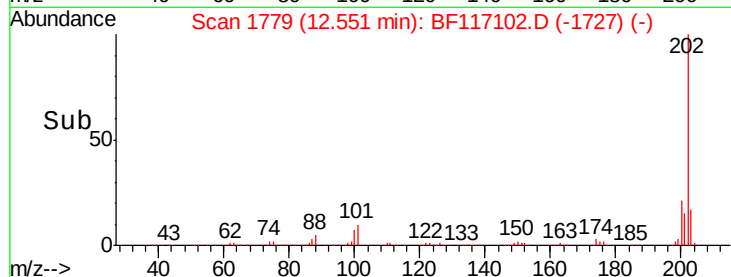
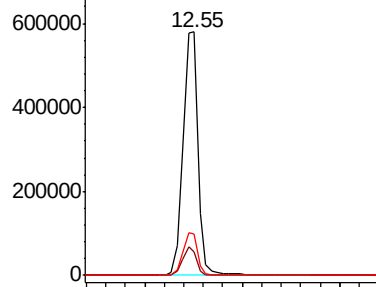


Abundance

Ion 202.00 (201.70 to 202.70): E

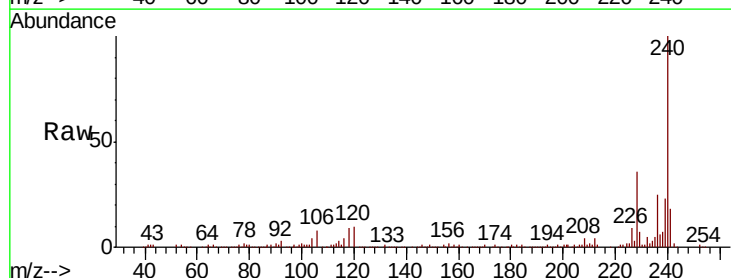
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	24.9	20.3	30.5

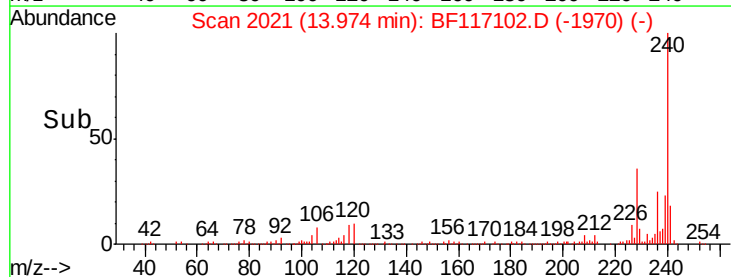
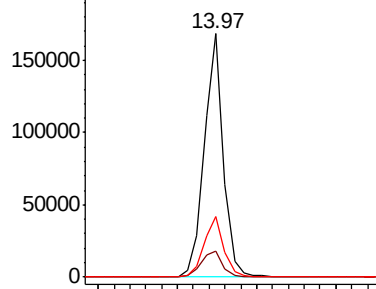


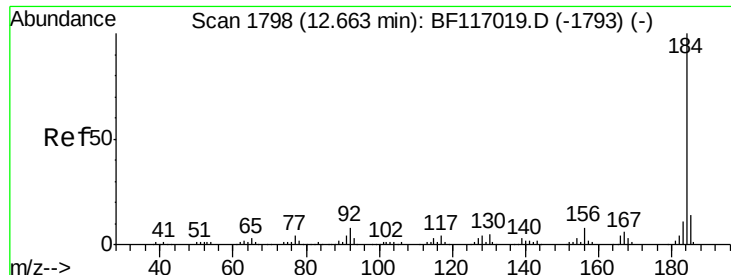
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

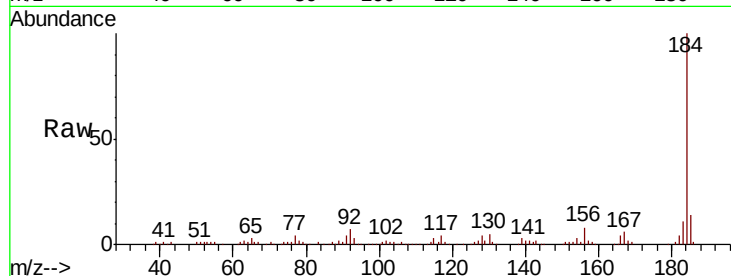




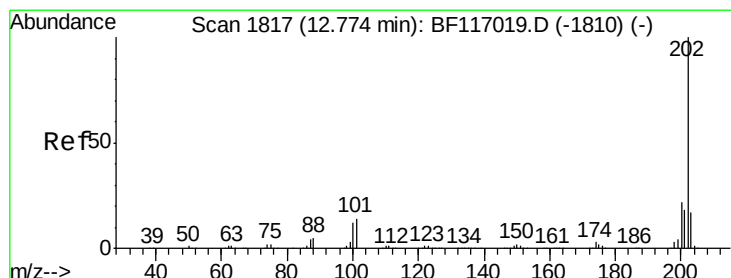
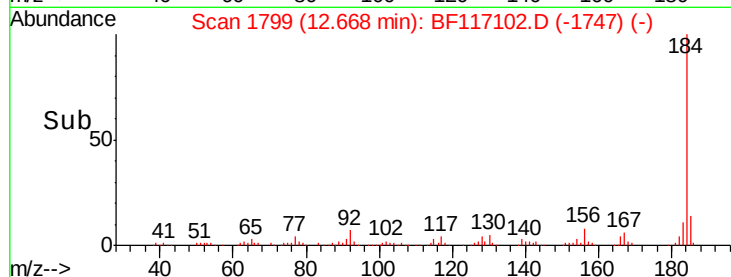
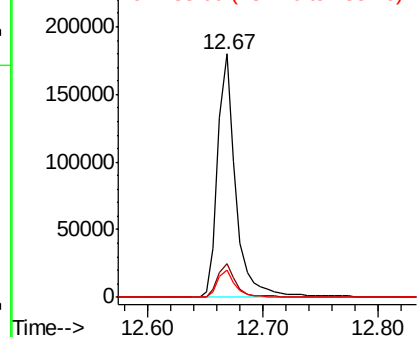
#77
Benzidine
Concen: 43.643 ng
RT: 12.67 min Scan# 1799
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:184 Resp: 196636
Ion Ratio Lower Upper
184 100
185 14.0 11.6 17.4
183 11.1 9.0 13.4

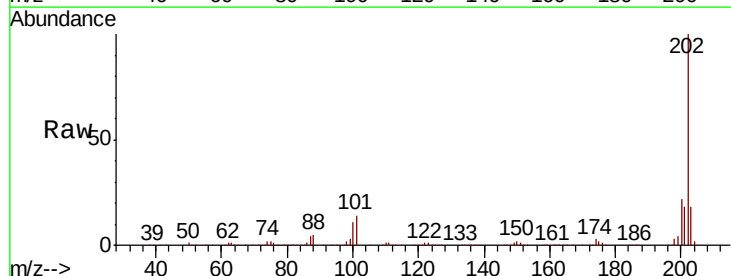


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

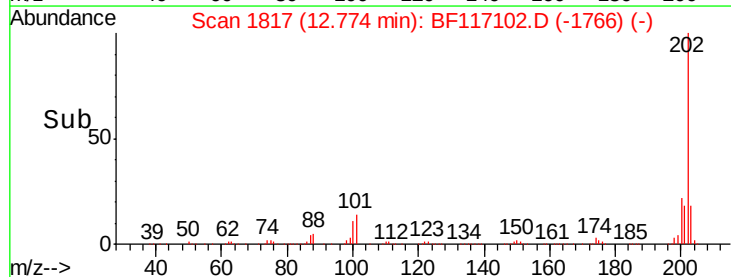
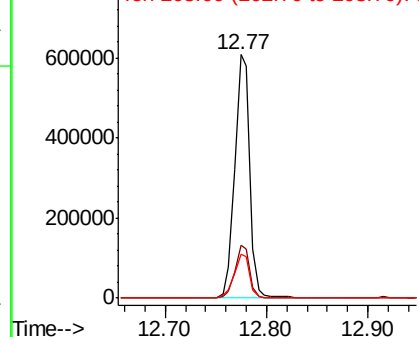


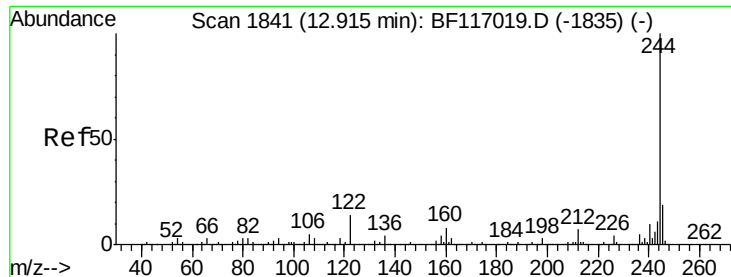
#78
Pyrene
Concen: 53.449 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:202 Resp: 627276
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 17.8 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

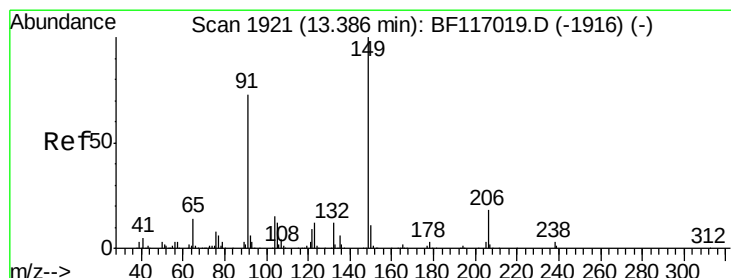
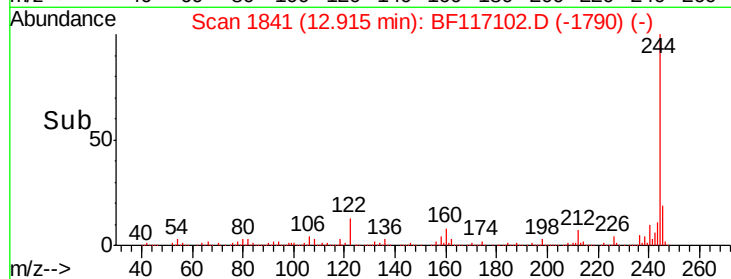
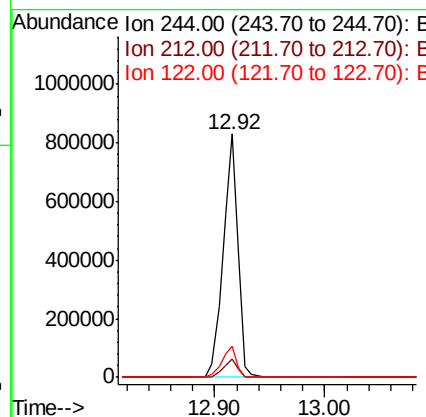
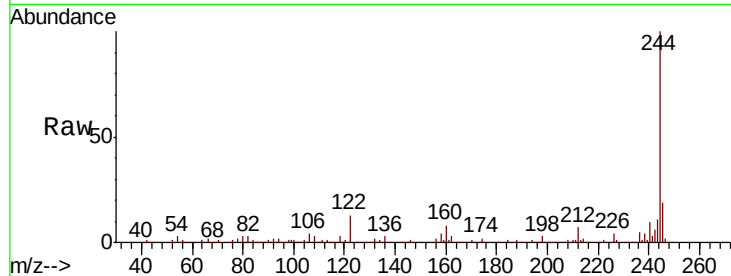




#79
 Terphenyl-d14
 Concen: 101.873 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

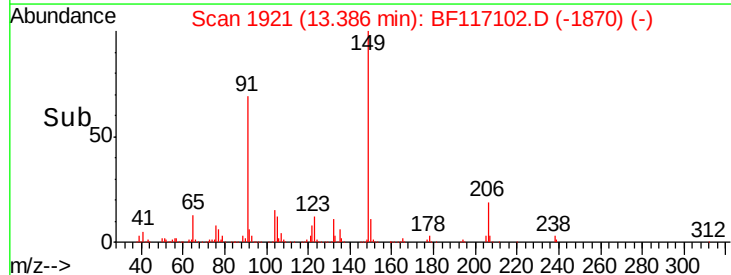
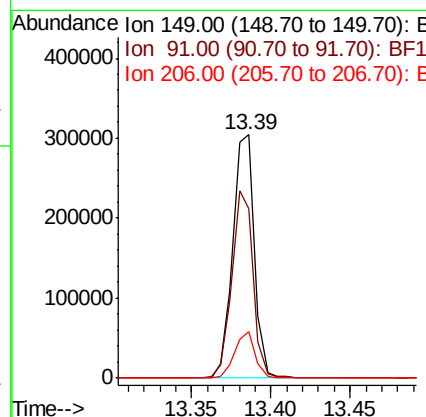
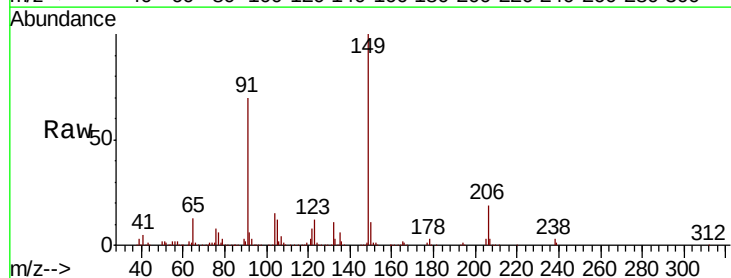
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

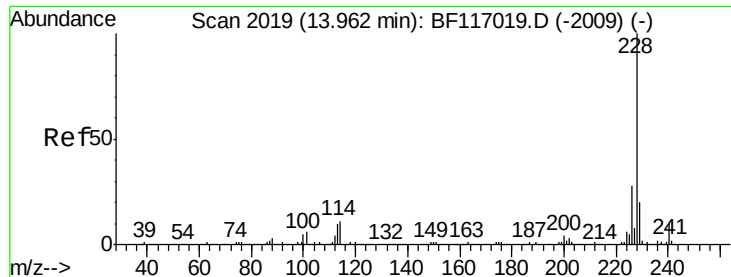
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	12.6	11.3	16.9



#80
 Butylbenzylphthalate
 Concen: 52.155 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.7	58.8	88.2
206	19.1	14.1	21.1

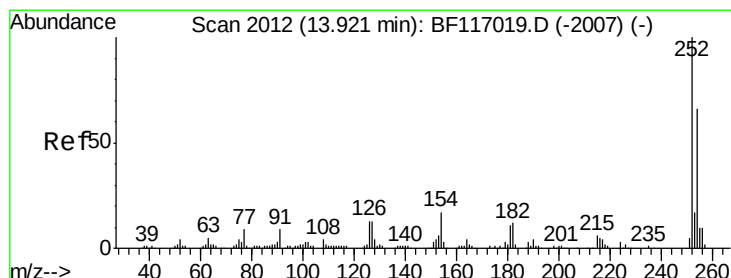
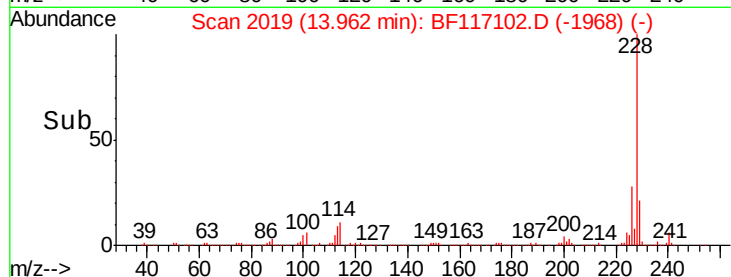
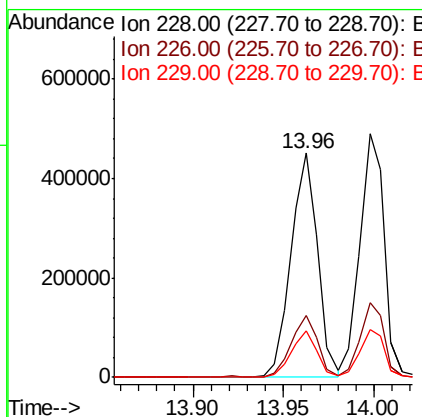
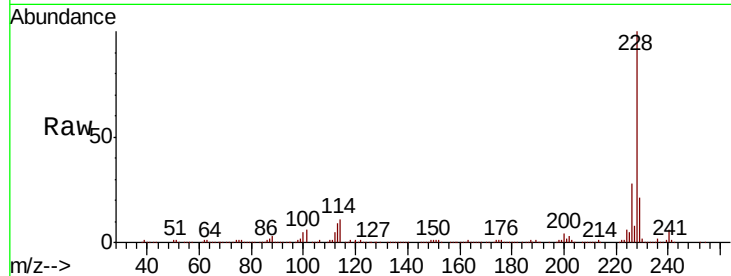




#81
Benzo(a)anthracene
Concen: 49.762 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

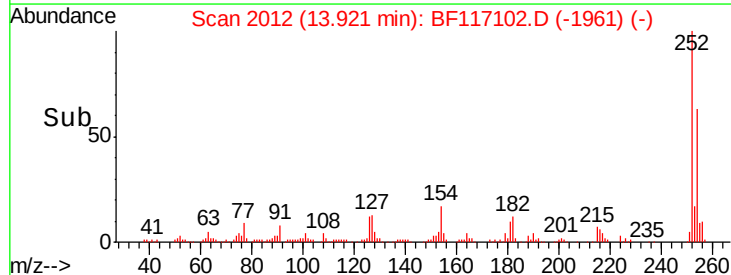
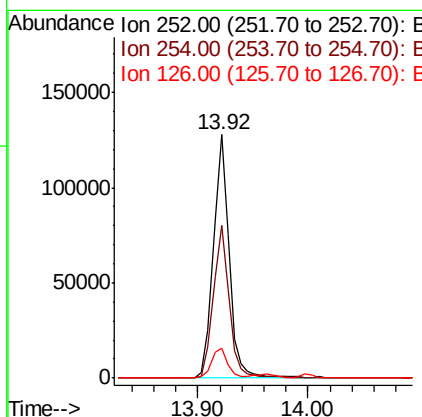
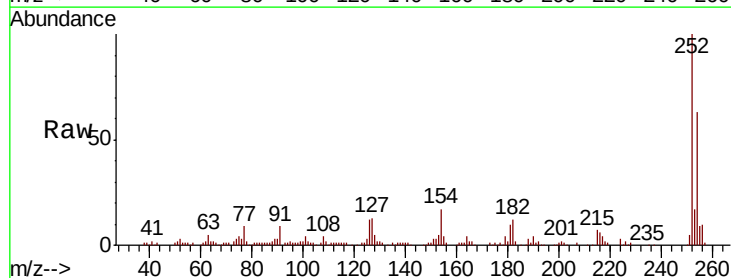
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

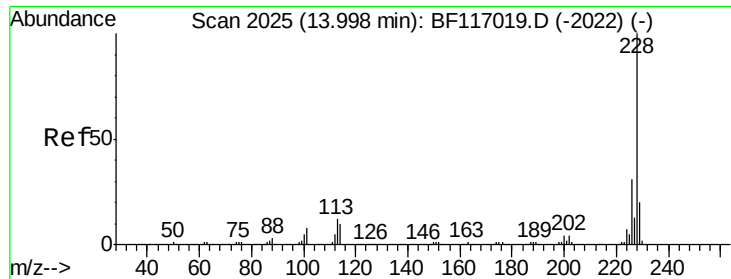
Tot Ion:228 Resp: 465010
Ion Ratio Lower Upper
228 100
226 27.9 22.3 33.5
229 20.7 15.9 23.9



#82
3,3'-Dichlorobenzidine
Concen: 41.885 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:252 Resp: 126127
Ion Ratio Lower Upper
252 100
254 62.7 52.6 79.0
126 12.4 10.4 15.6





#83

Chrysene

Concen: 50.819 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

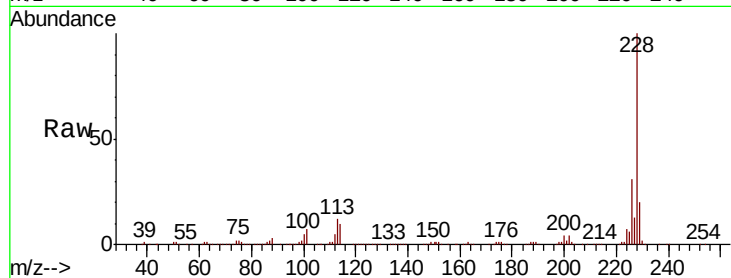
Tot Ion:228 Resp: 463175

Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

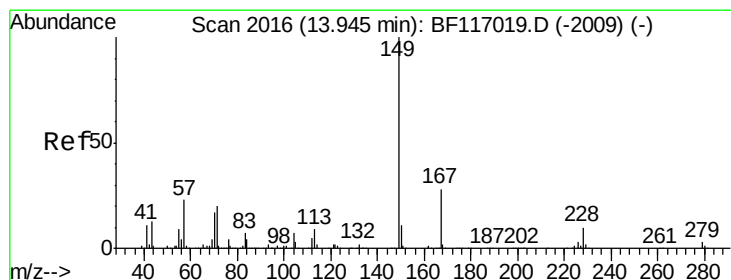
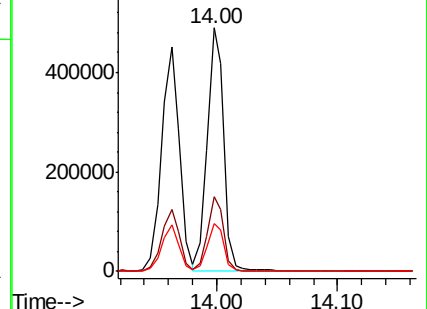
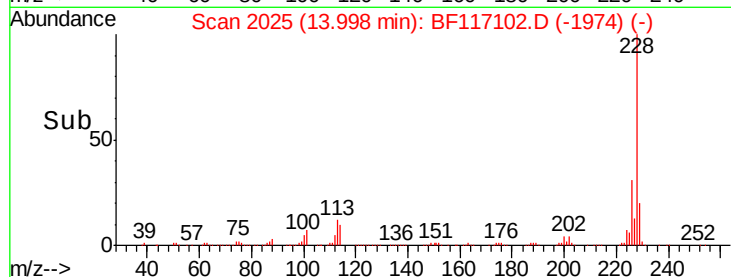
229 19.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.207 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

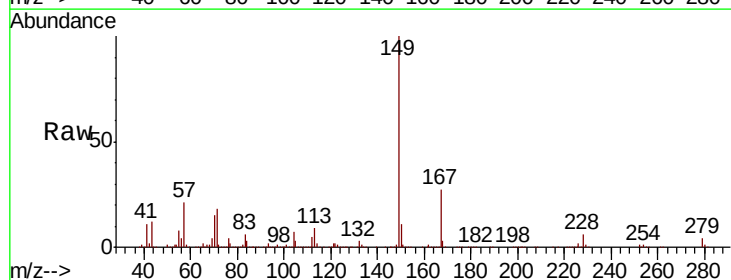
Tgt Ion:149 Resp: 394733

Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

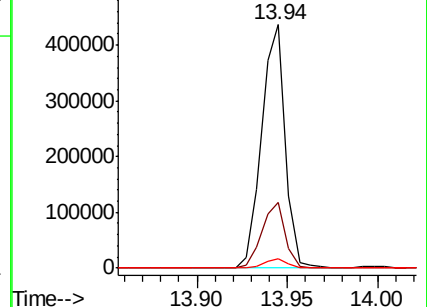
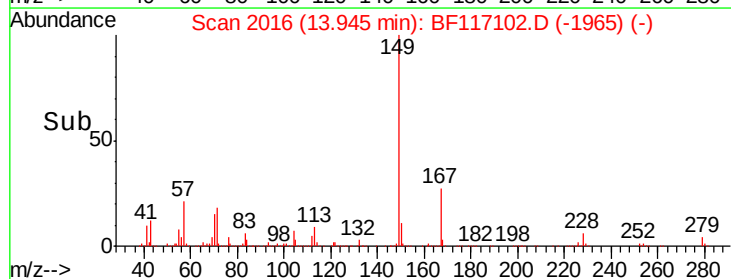
279 3.6 2.8 4.2

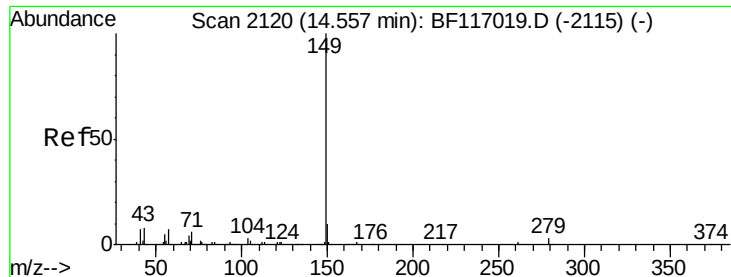


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

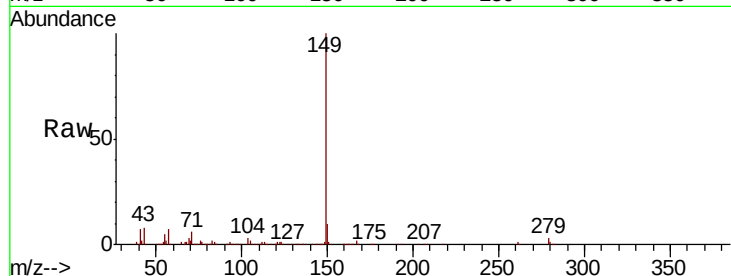




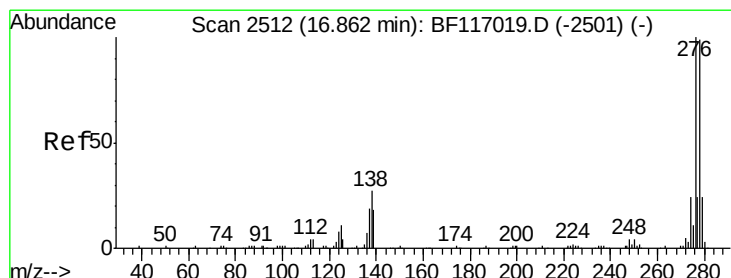
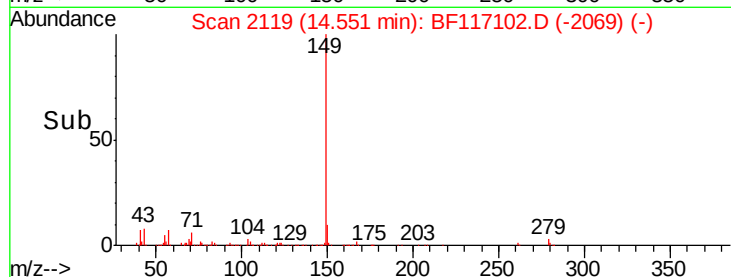
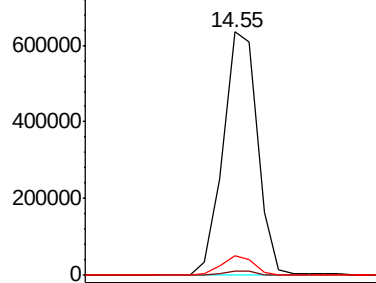
#85
Di-n-octyl phthalate
Concen: 53.788 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.2	9.4

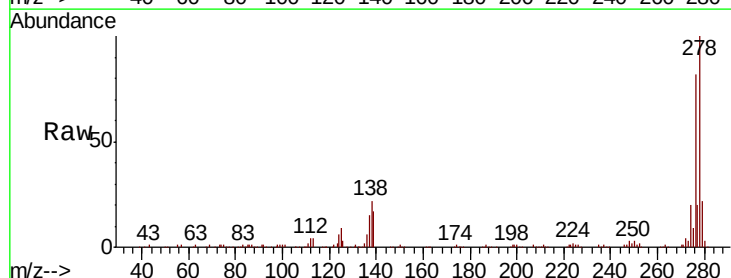


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

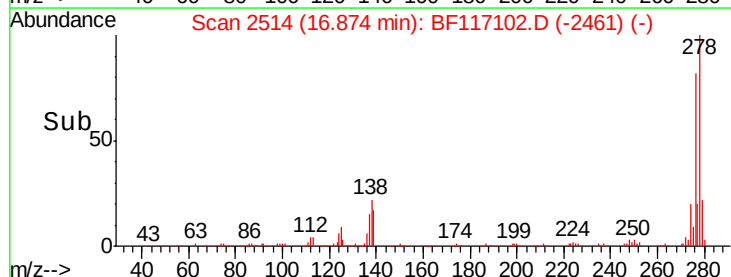
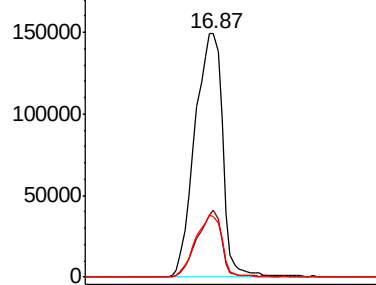


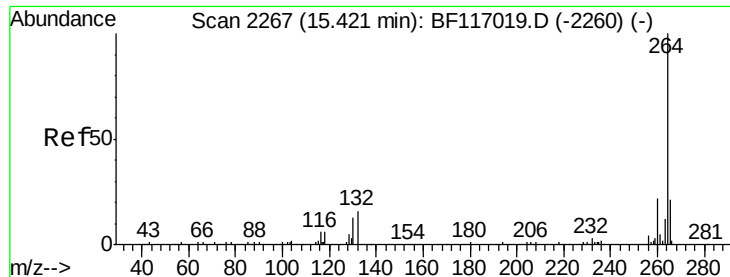
#86
Indeno(1,2,3-cd)pyrene
Concen: 61.458 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.7	31.1
277	24.6	19.8	29.8



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

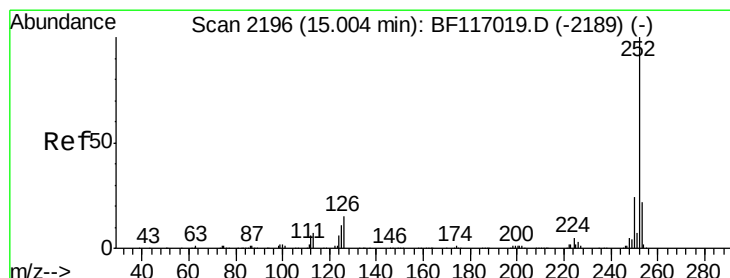
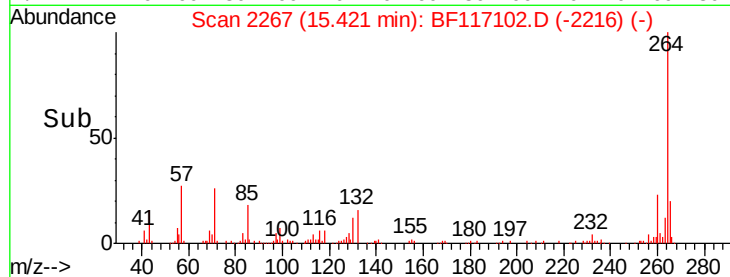
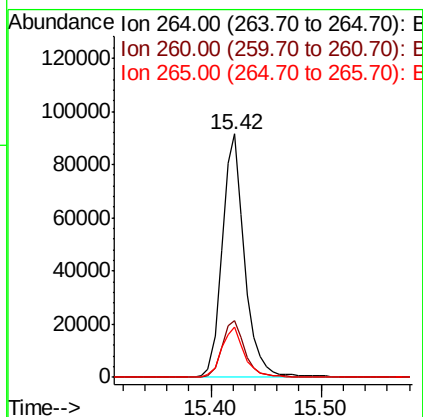
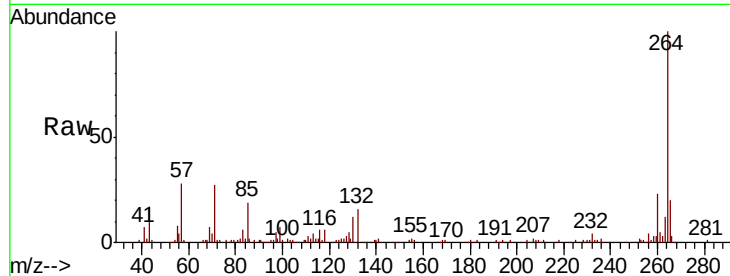




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

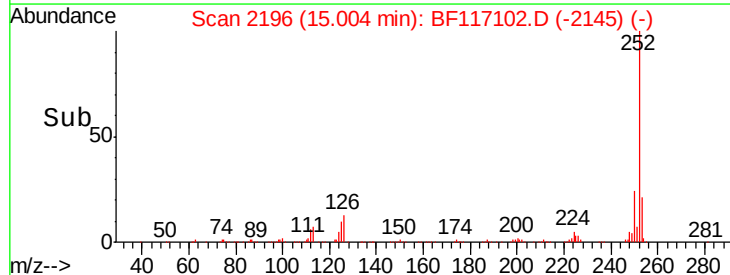
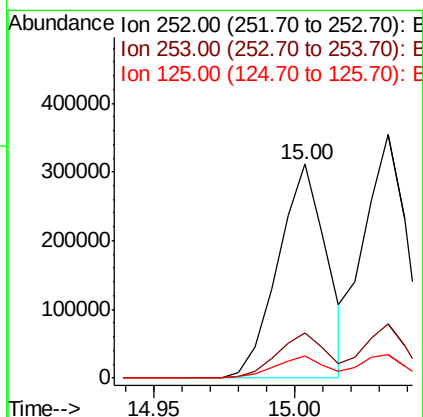
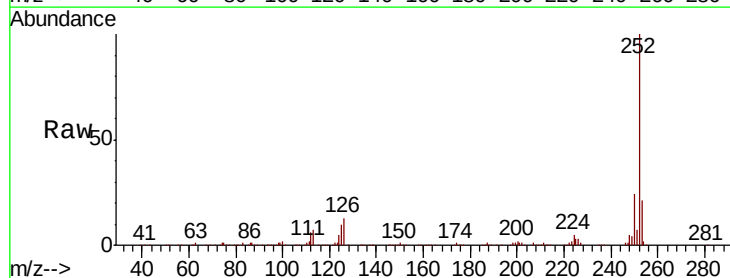
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

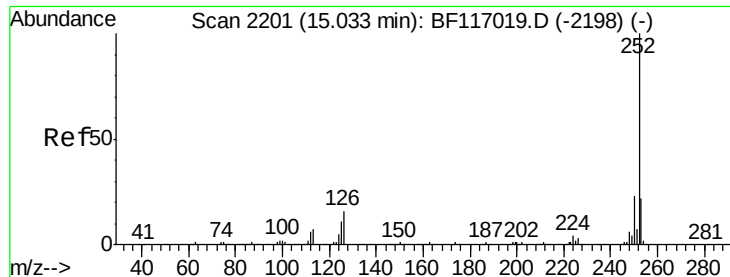
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.6	26.4
265	20.5	16.6	24.8



#88
Benzo(b)fluoranthene
Concen: 47.289 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.6	26.4
125	10.3	8.6	12.8

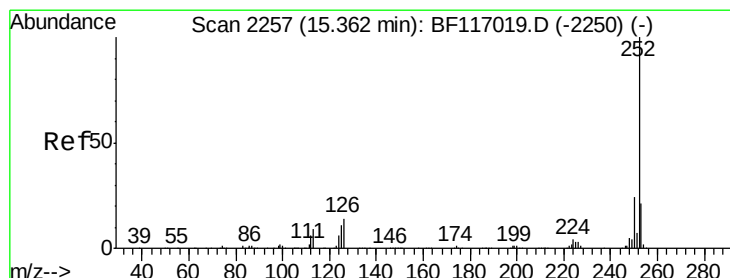
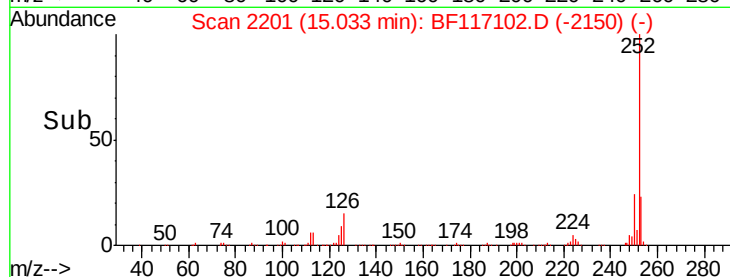
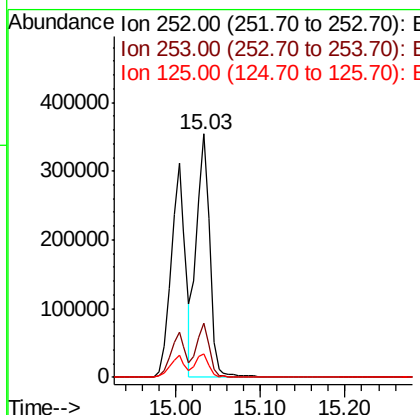
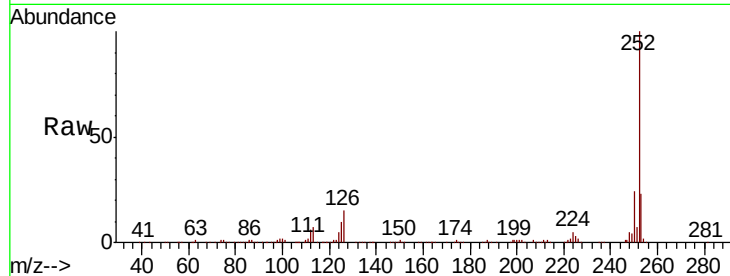




#89
Benzo(k)fluoranthene
Concen: 51.283 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

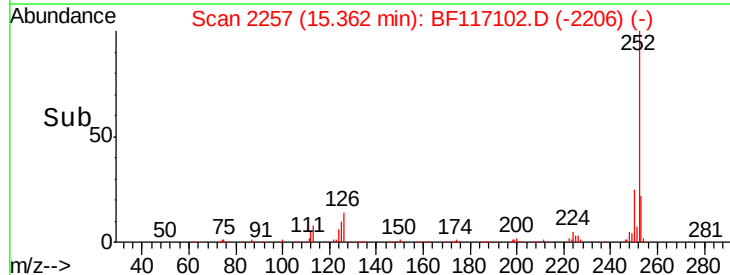
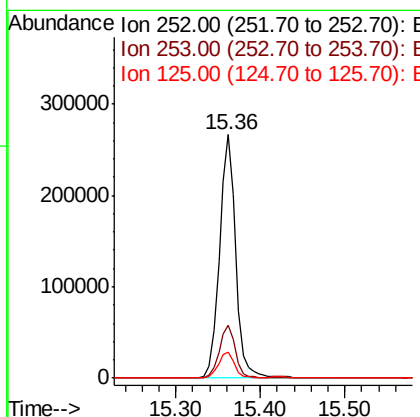
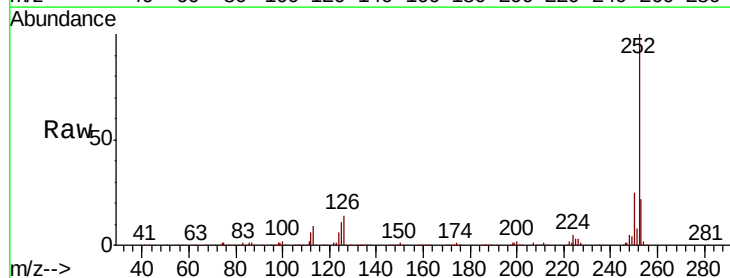
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

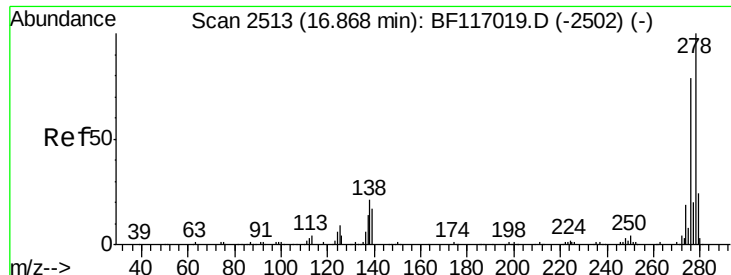
Tot Ion:252 Resp: 381486
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.6 8.8 13.2



#90
Benzo(a)pyrene
Concen: 52.141 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:252 Resp: 359301
Ion Ratio Lower Upper
252 100
253 21.9 16.6 25.0
125 10.7 8.9 13.3

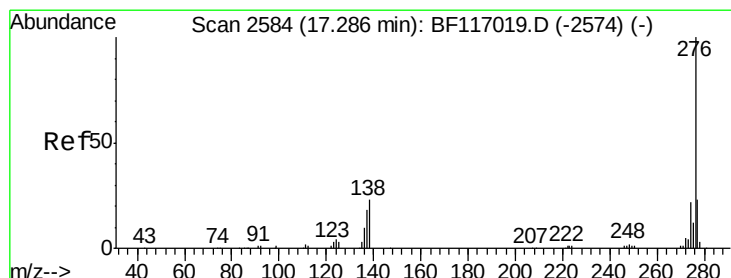
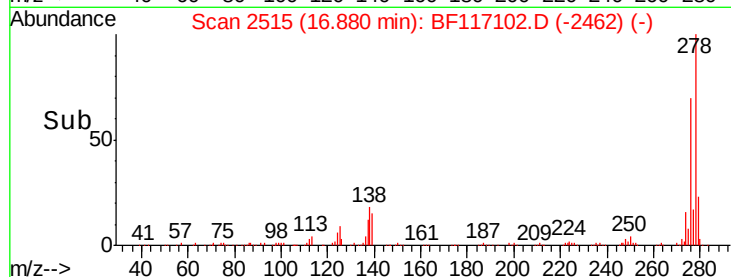
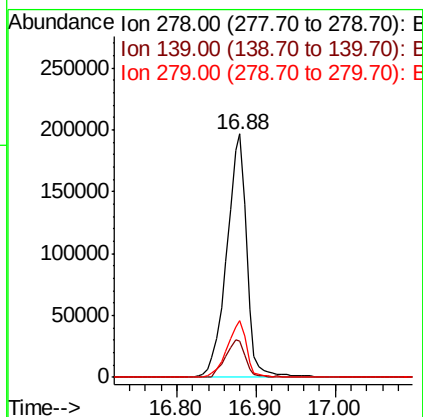
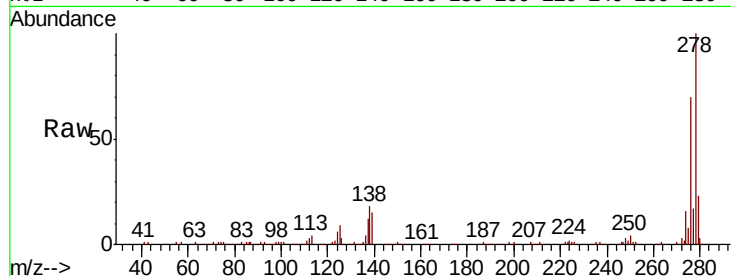




#91
Dibenzo(a,h)anthracene
Concen: 62.494 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.9	13.5	20.3
279	23.4	18.8	28.2



#92
Benzo(g,h,i)perylene
Concen: 61.716 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.02 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	27.8
138	21.1	18.0	27.0

