

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102681.D
 Acq On : 1 Feb 2018 3:17
 Operator : SJ/JU
 Sample : J1385-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Quant Time: Feb 01 04:18:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	139549	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	491933	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	175281	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	288426	20.00	ng	0.00
75) Chrysene-d12	13.87	240	260327	20.00	ng	0.00
86) Perylene-d12	15.30	264	192574	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1062487	115.44	ng	0.03
7) Phenol-d6	6.38	99	1167726	105.24	ng	0.02
23) Nitrobenzene-d5	7.28	82	803621	93.88	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	172838	99.52	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1153751	96.78	ng	0.00
78) Terphenyl-d14	12.82	244	898791	77.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	179724	41.100	ng	97
3) Pyridine	3.12	79	430986	37.714	ng	96
4) n-Nitrosodimethylamine	3.09	42	226396	50.534	ng	98
6) Aniline	6.38	93	268683	18.308	ng	# 44
8) 2-Chlorophenol	6.50	128	382059	39.601	ng	99
9) Benzaldehyde	6.26	77	154091	21.638	ng	97
10) Phenol	6.39	94	485706	40.097	ng	98
11) bis(2-Chloroethyl)ether	6.45	93	373546	40.545	ng	97
12) 1,3-Dichlorobenzene	6.65	146	416411	36.292	ng	98
13) 1,4-Dichlorobenzene	6.73	146	431651	37.555	ng	98
14) 1,2-Dichlorobenzene	6.88	146	400306	38.076	ng	98
15) Benzyl Alcohol	6.87	79	289846	37.023	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.99	45	621110	40.196	ng	# 44
17) 2-Methylphenol	6.99	107	316659	37.792	ng	# 90
18) Hexachloroethane	7.21	117	112304	28.040	ng	91
19) n-Nitroso-di-n-propylamine	7.13	70	280092	41.249	ng	98
20) 3+4-Methylphenols	7.15	107	424555	43.082	ng	92
22) Acetophenone	7.12	105	553265	47.179	ng	# 99
24) Nitrobenzene	7.30	77	413419	47.192	ng	98
25) Isophorone	7.54	82	735966	48.226	ng	99
26) 2-Nitrophenol	7.62	139	181825	39.436	ng	94
27) 2,4-Dimethylphenol	7.66	122	326230	48.728	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	472120	50.081	ng	98
29) 2,4-Dichlorophenol	7.87	162	292019	42.820	ng	98
30) 1,2,4-Trichlorobenzene	7.93	180	274752	37.584	ng	98
31) Naphthalene	8.02	128	965597	39.314	ng	100
32) Benzoic acid	7.76	122	19096	3.404	ng	89
33) 4-Chloroaniline	8.07	127	164871	15.963	ng	97
34) Hexachlorobutadiene	8.12	225	151264	38.742	ng	98
35) Caprolactam	8.44	113	83453	37.053	ng	98
36) 4-Chloro-3-methylphenol	8.57	107	274527	38.190	ng	98
37) 2-Methylnaphthalene	8.70	142	655333	40.064	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	247955	47.019	ng	98
40) Hexachlorocyclopentadiene	8.85	237	5941	2.517	ng	89

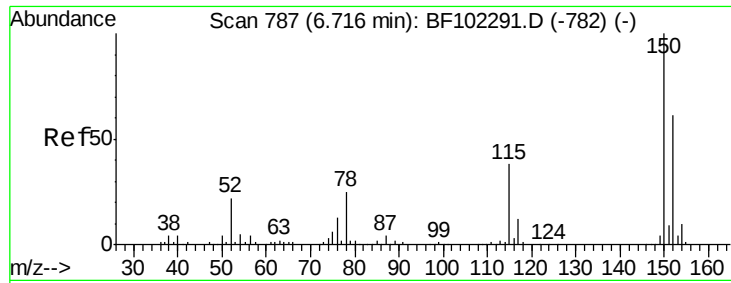
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.00	196	156885	44.441	nq	99
43) 2,4,5-Trichlorophenol	9.05	196	158221	39.806	nq	97
45) 1,1'-Biphenyl	9.17	154	740408	47.241	nq	98
46) 2-Chloronaphthalene	9.19	162	513028	42.112	nq	98
47) 2-Nitroaniline	9.30	65	166691	43.889	nq	95
48) Acenaphthylene	9.61	152	724896	38.194	nq	100
49) Dimethylphthalate	9.47	163	694642	47.946	nq	100
50) 2,6-Dinitrotoluene	9.55	165	115910	37.107	nq	88
51) Acenaphthene	9.78	154	428627	38.669	nq	99
52) 3-Nitroaniline	9.72	138	126407	34.208	nq	98
53) 2,4-Dinitrophenol	9.85	184	3651	6.180	nq	# 28
54) Dibenzofuran	9.95	168	617637	41.172	nq	98
55) 4-Nitrophenol	9.91	139	114378	46.891	nq	95
56) 2,4-Dinitrotoluene	9.95	165	136366	35.500	nq	# 79
57) Fluorene	10.29	166	490618	41.273	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.08	232	106717	37.603	nq	96
59) Diethylphthalate	10.16	149	536793	38.128	nq	100
60) 4-Chlorophenyl-phenylether	10.28	204	216111	41.932	nq	98
61) 4-Nitroaniline	10.33	138	131505	35.664	nq	89
62) Azobenzene	10.45	77	494524	38.365	nq	96
64) 4,6-Dinitro-2-methylphenol	10.37	198	9465	4.919	nq	97
65) n-Nitrosodiphenylamine	10.40	169	427457	40.378	nq	98
66) 4-Bromophenyl-phenylether	10.77	248	121499	39.131	nq	96
67) Hexachlorobenzene	10.84	284	123843	35.664	nq	97
68) Atrazine	10.94	200	123559	39.518	nq	98
69) Pentachlorophenol	11.05	266	73359	40.216	nq	98
70) Phenanthrene	11.26	178	673758	40.087	nq	98
71) Anthracene	11.31	178	704312	41.056	nq	99
72) Carbazole	11.47	167	689487	41.198	nq	99
73) Di-n-butylphthalate	11.79	149	806997	38.576	nq	99
74) Fluoranthene	12.45	202	730863	42.643	nq	99
76) Benzidine	12.57	184	427545	48.888	nq	97
77) Pyrene	12.67	202	750714	37.298	nq	99
79) Butylbenzylphthalate	13.29	149	375424	37.480	nq	97
80) Benzo(a)anthracene	13.86	228	664501	41.460	nq	99
81) 3,3'-Dichlorobenzidine	13.83	252	222634	37.866	nq	98
82) Chrysene	13.90	228	640124	39.330	nq	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	518769	38.538	nq	99
84) Di-n-octyl phthalate	14.45	149	936349	42.773	nq	100
85) Indeno(1,2,3-cd)pyrene	16.70	276	413163	30.738	nq	96
87) Benzo(b)fluoranthene	14.89	252	505436	40.494	nq	98
88) Benzo(k)fluoranthene	14.92	252	512943	43.498	nq	98
89) Benzo(a)pyrene	15.24	252	452319	40.181	nq	98
90) Dibenzo(a,h)anthracene	16.71	278	345824	37.924	nq	97
91) Benzo(g,h,i)perylene	17.13	276	342442	38.033	nq	97

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

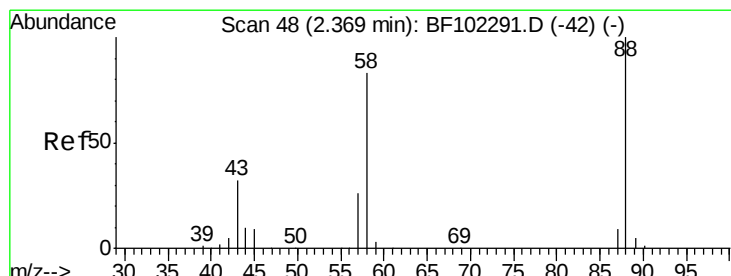
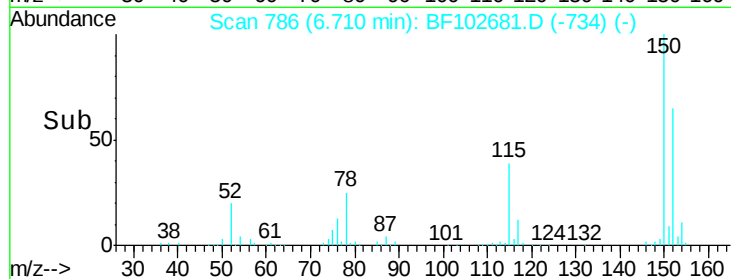
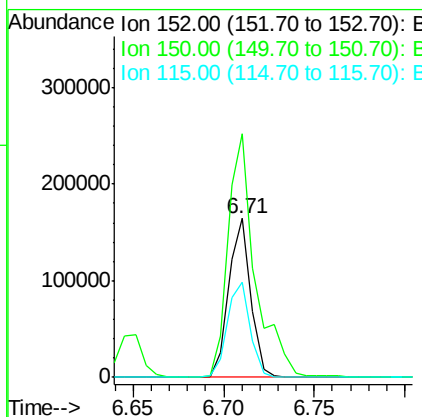
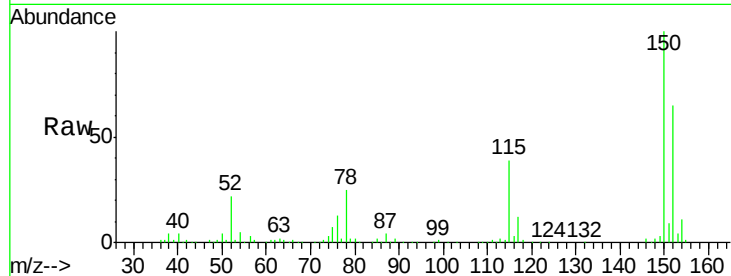


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

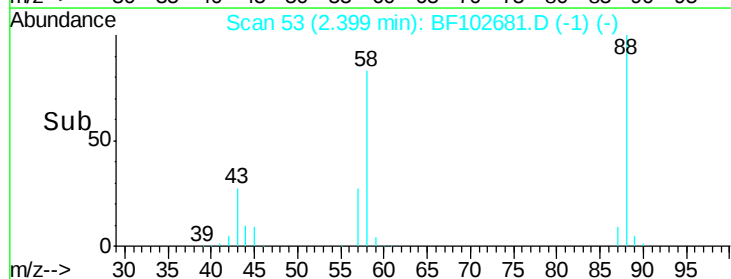
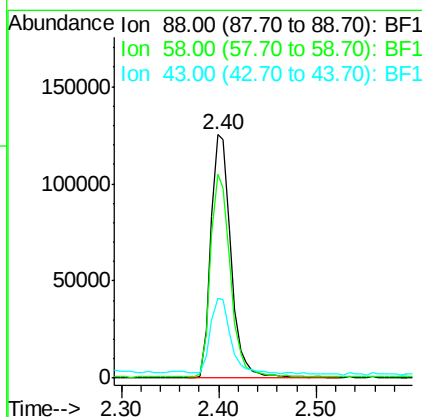
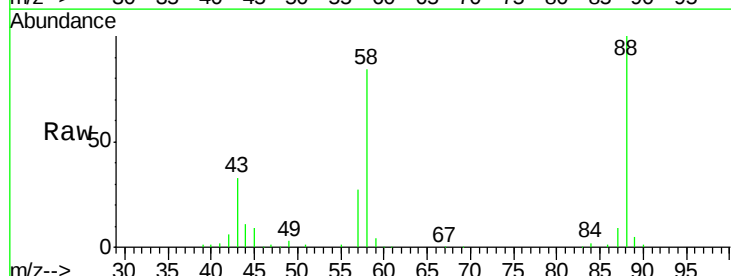
Tot Ion:152 Resp: 139549
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 60.0 50.1 75.1

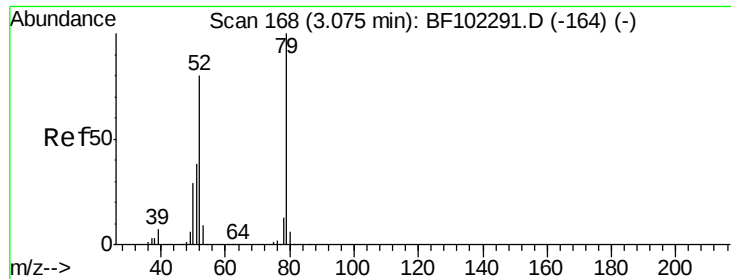


#2

1,4-Dioxane
Concen: 41.100 ng
RT: 2.40 min Scan# 53
Delta R.T. 0.04 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 88 Resp: 179724
Ion Ratio Lower Upper
88 100
58 81.3 62.6 93.8
43 32.6 24.6 37.0





#3

Pvridine

Concen: 37.714 ng

RT: 3.12 min Scan# 176

Delta R.T. 0.06 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

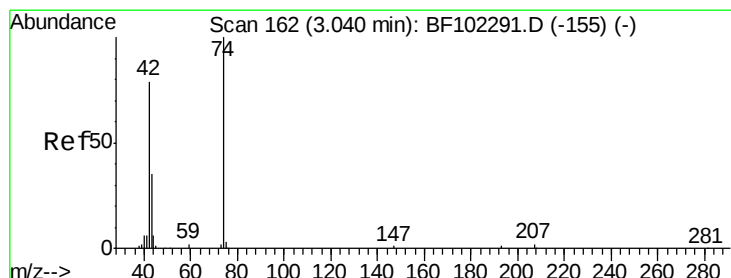
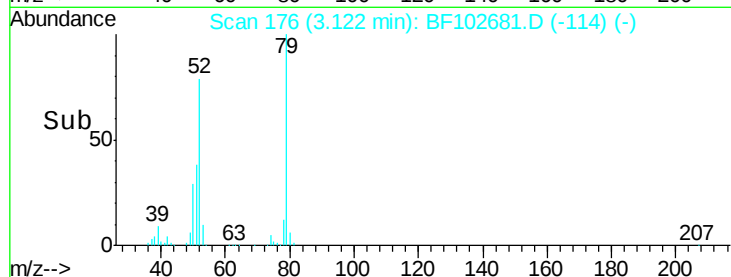
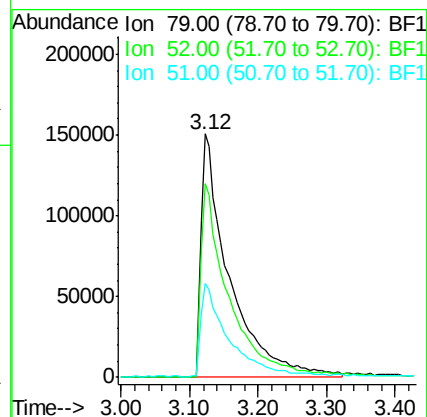
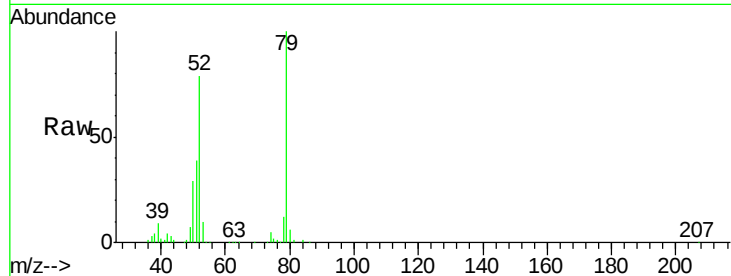
Tot Ion: 79 Resp: 430986

Ion Ratio Lower Upper

79 100

52 79.4 59.8 89.6

51 38.6 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 50.534 ng

RT: 3.09 min Scan# 170

Delta R.T. 0.05 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

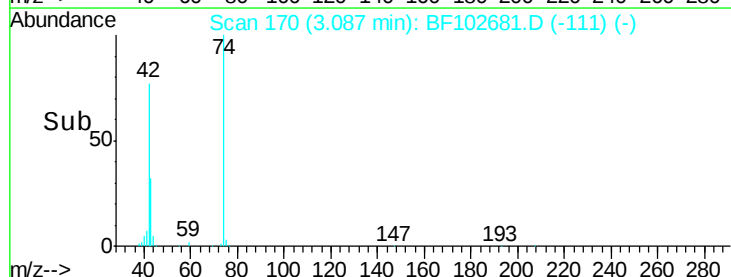
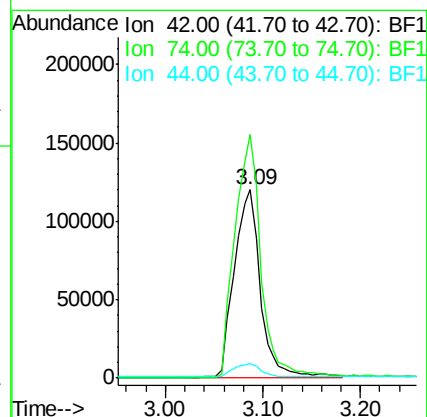
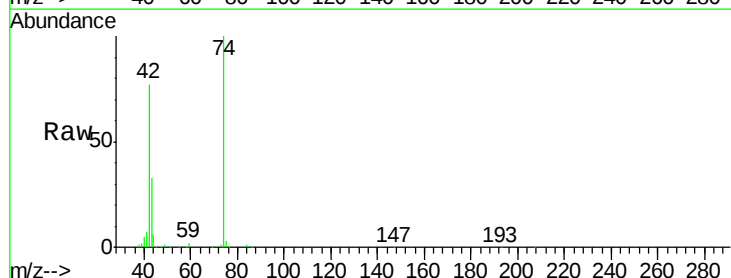
Tgt Ion: 42 Resp: 226396

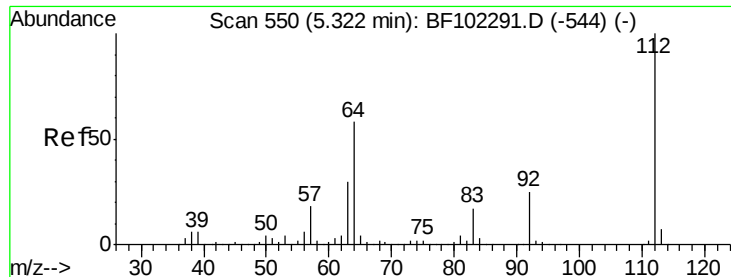
Ion Ratio Lower Upper

42 100

74 129.4 104.9 157.3

44 7.5 6.9 10.3





#5

2-Fluorophenol

Concen: 115.444 ng

RT: 5.35 min Scan# 554

Delta R.T. 0.03 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

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ClientSampleId :

EPE-106-5(120-122)MSD

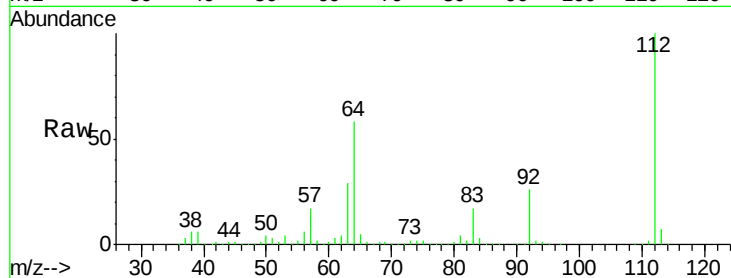
Tot Ion:112 Resp: 1062487

Ion Ratio Lower Upper

112 100

64 57.9 47.9 71.9

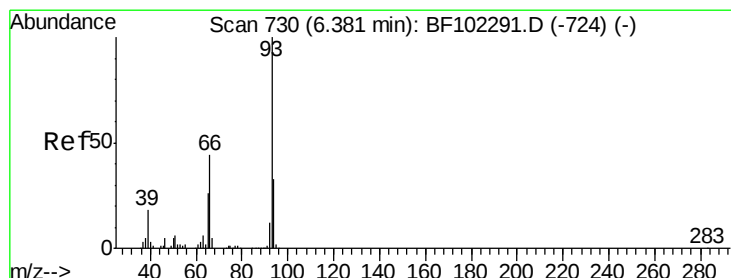
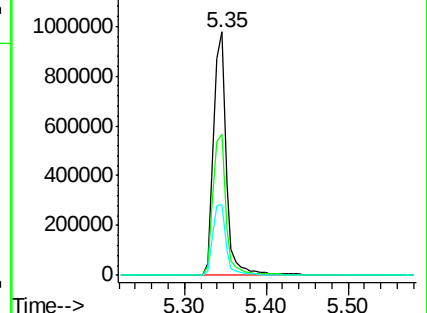
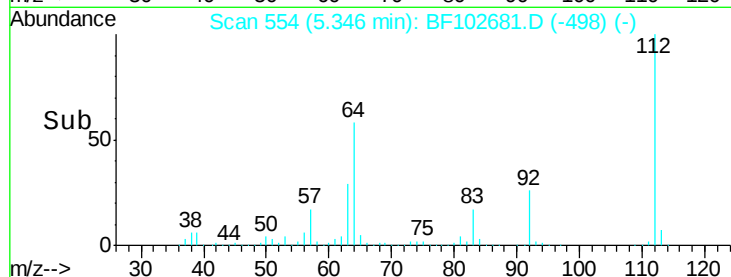
63 29.3 23.7 35.5



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: 18.308 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

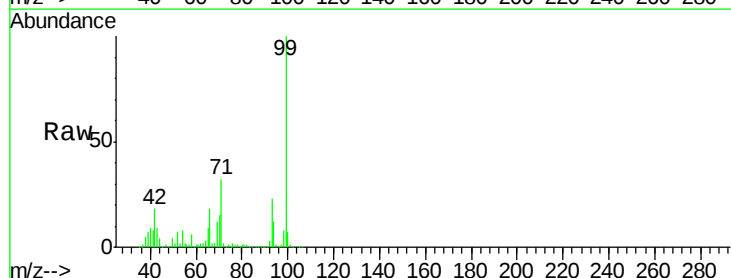
Tgt Ion: 93 Resp: 268683

Ion Ratio Lower Upper

93 100

66 79.8 32.2 48.2#

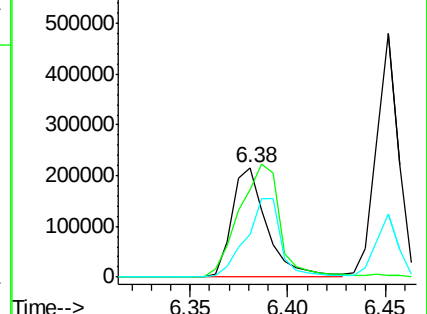
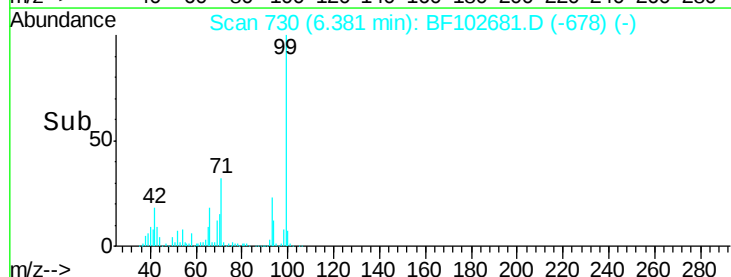
65 38.8 16.4 24.6#

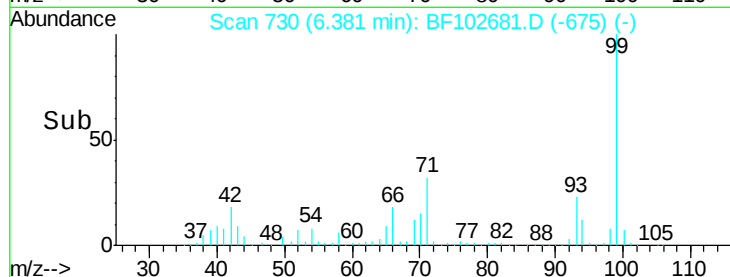
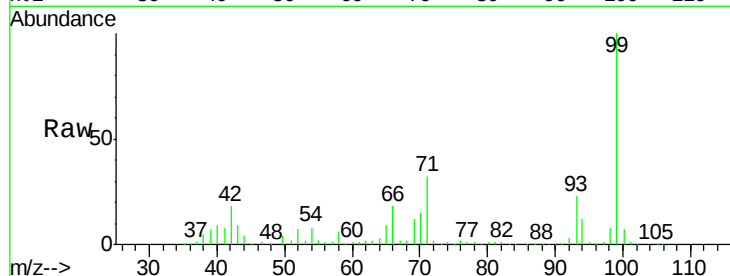
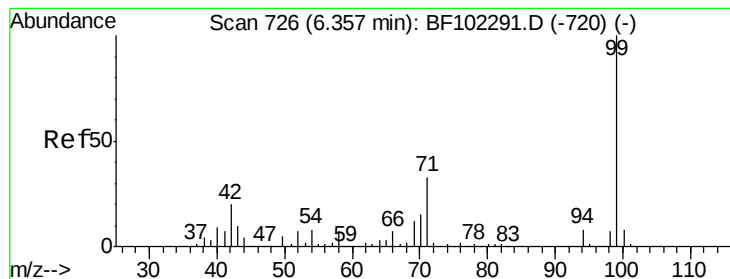


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.242 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

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ClientSampleId :

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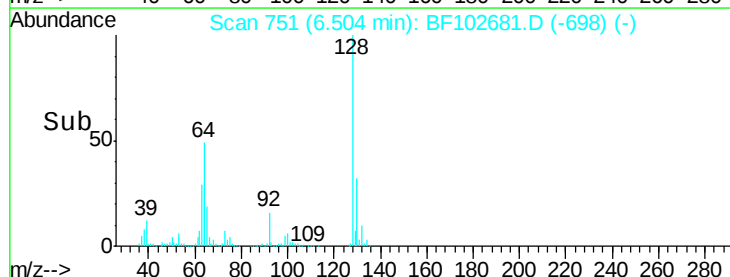
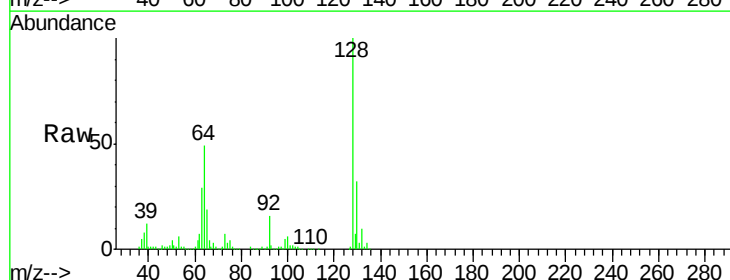
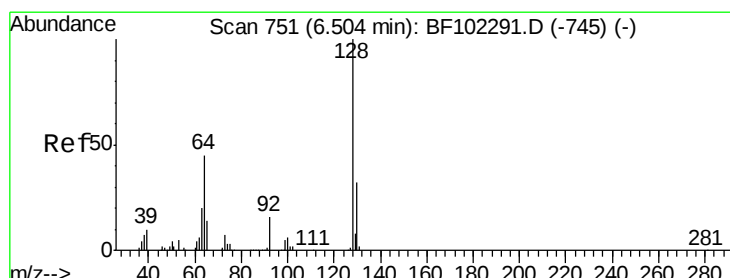
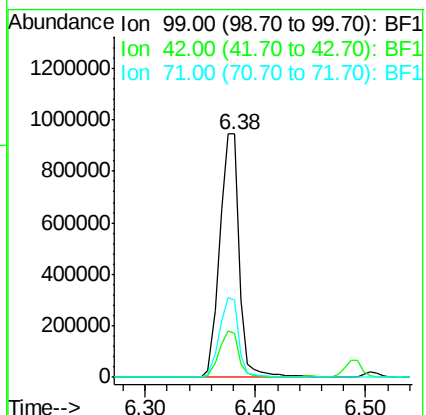
Tot Ion: 99 Resp: 1167726

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 31.8 25.4 38.0



#8

2-Chlorophenol

Concen: 39.601 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

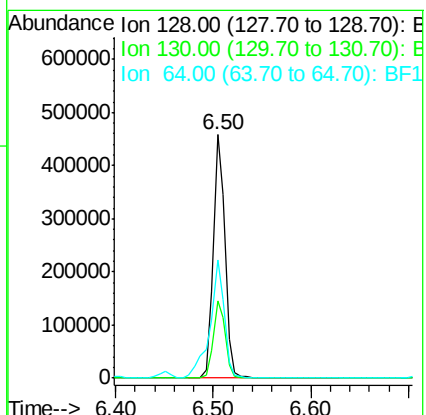
Tgt Ion:128 Resp: 382059

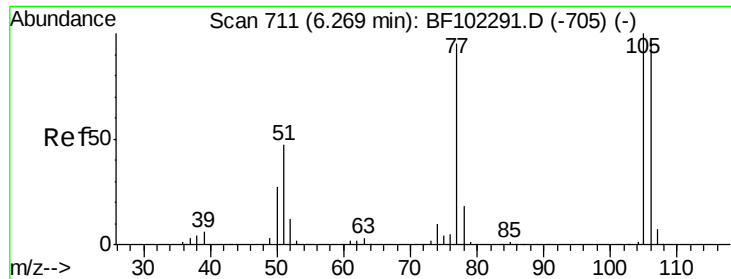
Ion Ratio Lower Upper

128 100

130 32.0 13.0 53.0

64 48.6 29.4 69.4

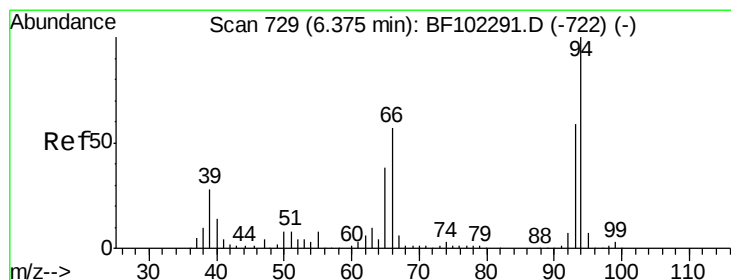
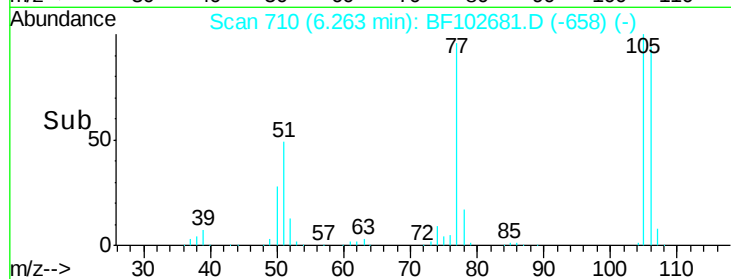
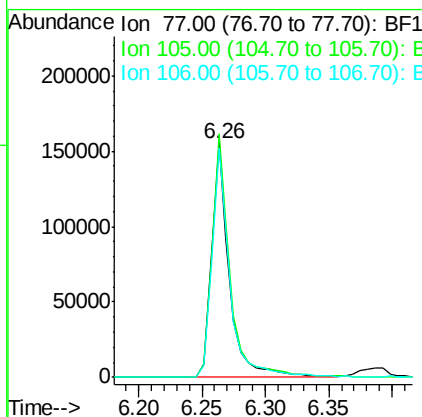
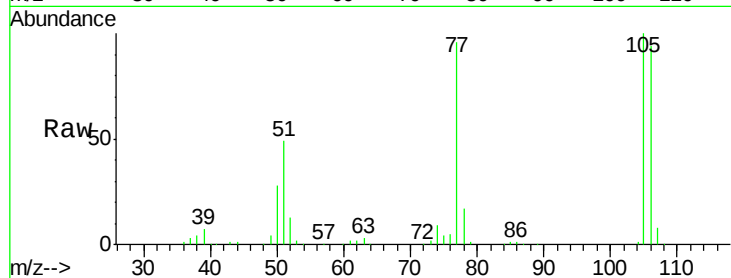




#9
Benzaldehyde
Concen: 21.638 ng
RT: 6.26 min Scan# 710
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

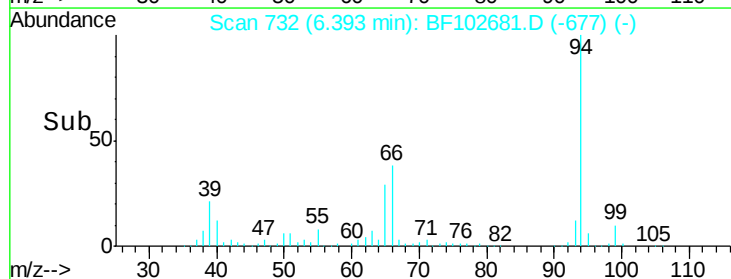
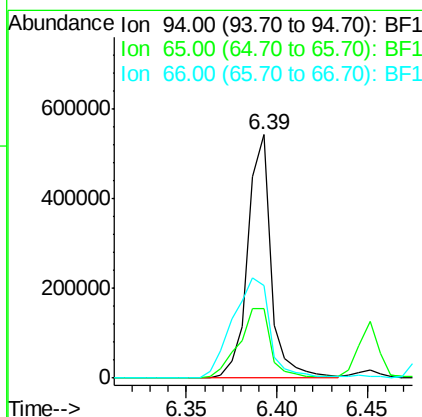
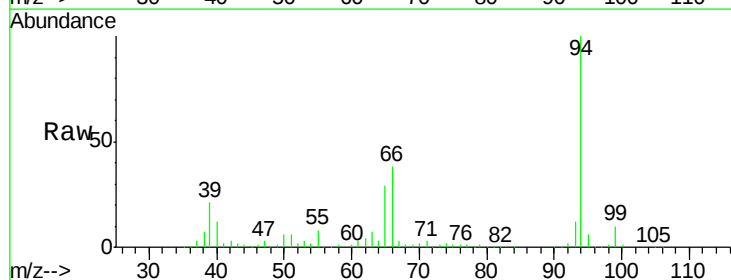
Instrument :
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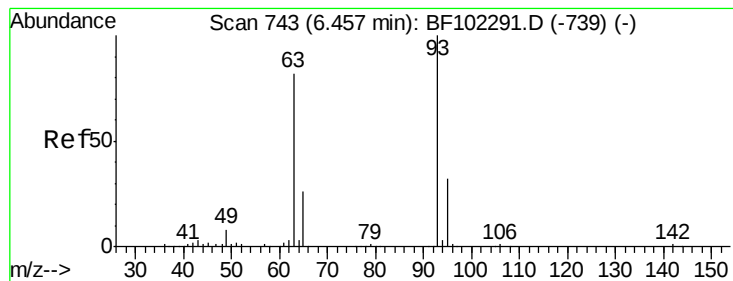
Tot Ion: 77 Resp: 154091
Ion Ratio Lower Upper
77 100
105 103.8 81.1 121.1
106 97.7 74.5 114.5



#10
Phenol
Concen: 40.097 ng
RT: 6.39 min Scan# 732
Delta R.T. 0.02 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 94 Resp: 485706
Ion Ratio Lower Upper
94 100
65 28.5 7.9 47.9
66 38.0 16.2 56.2

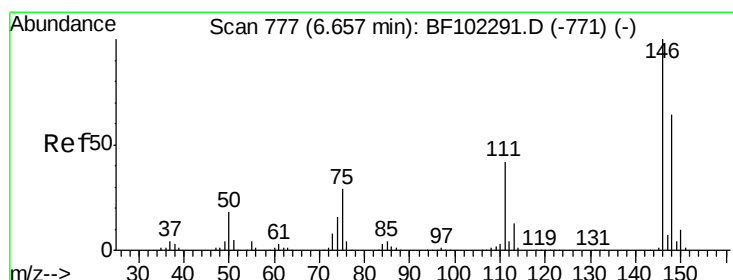
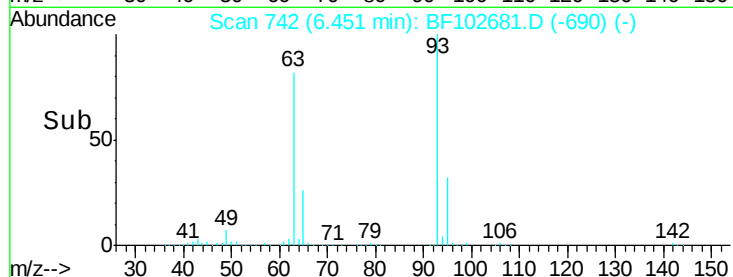
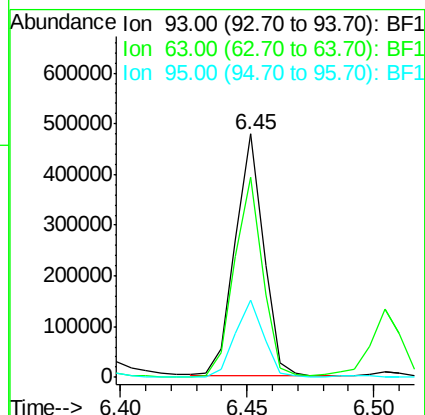
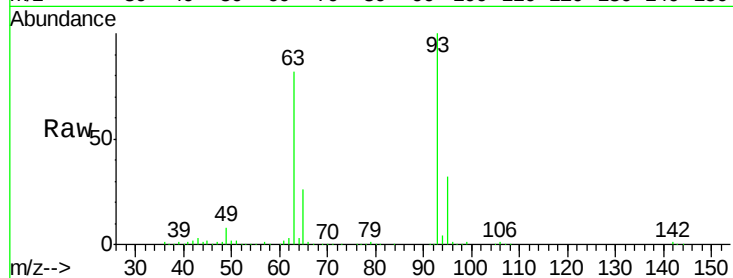




#11
bis(2-Chloroethyl)ether
Concen: 40.545 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

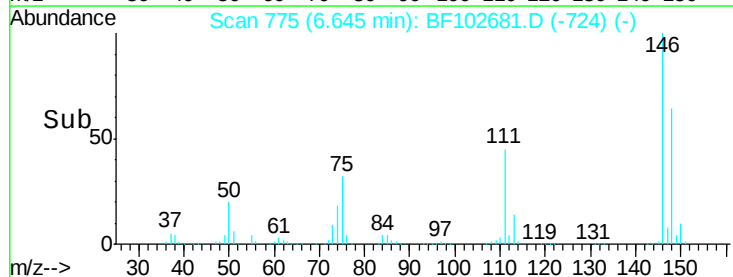
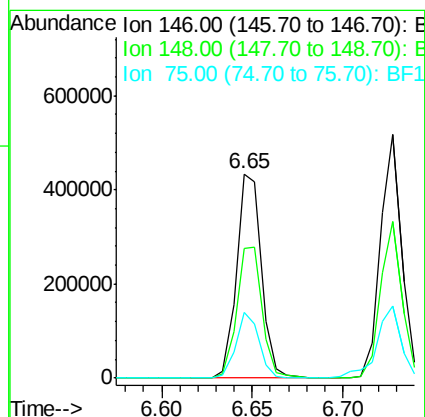
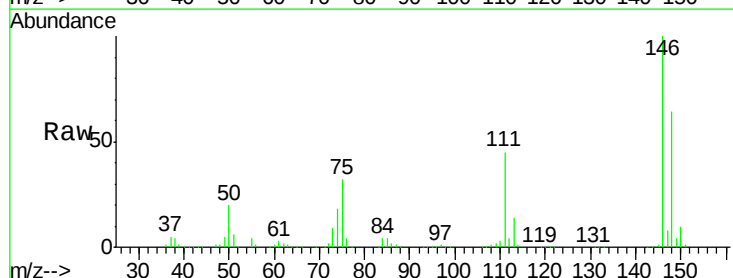
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

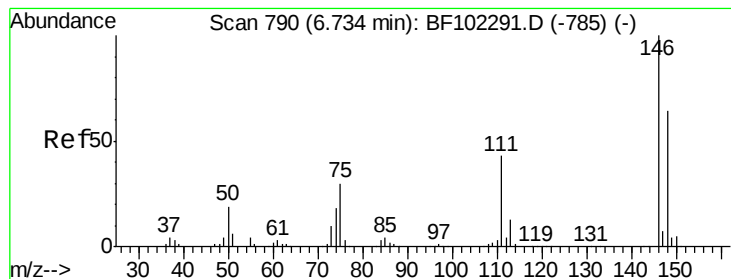
Tot Ion: 93 Resp: 373546
Ion Ratio Lower Upper
93 100
63 82.3 58.6 98.6
95 31.7 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 36.292 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 146 Resp: 416411
Ion Ratio Lower Upper
146 100
148 63.7 51.8 77.8
75 32.1 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 37.555 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

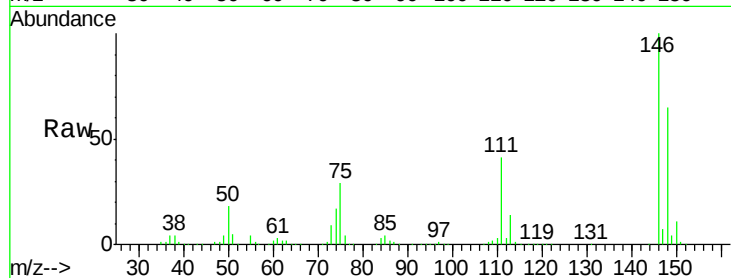
Tot Ion:146 Resp: 431651

Ion Ratio Lower Upper

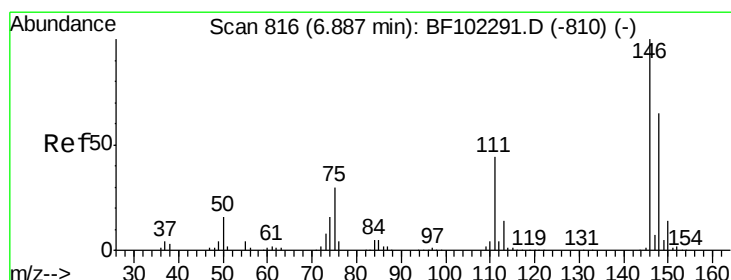
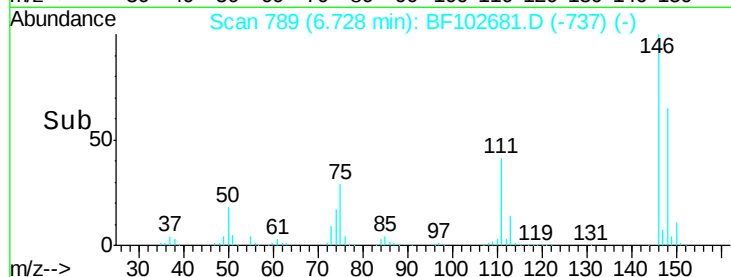
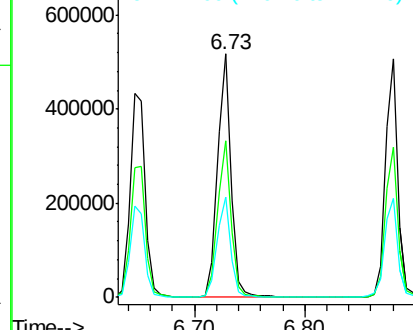
146 100

148 64.6 50.8 76.2

111 41.4 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.076 ng

RT: 6.88 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

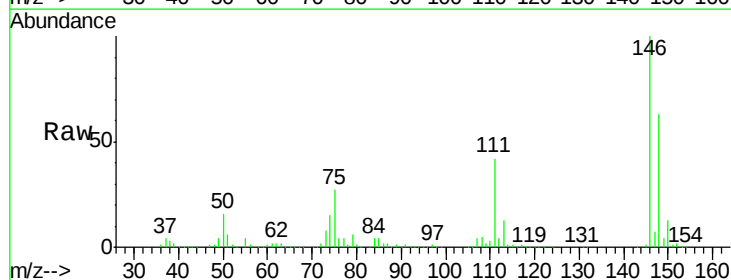
Tgt Ion:146 Resp: 400306

Ion Ratio Lower Upper

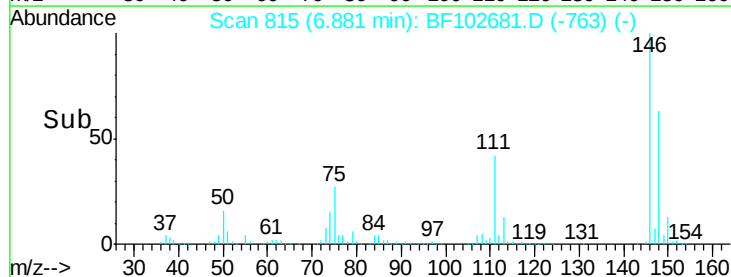
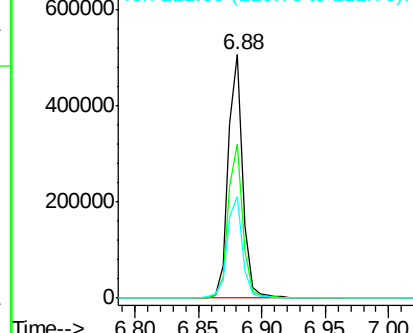
146 100

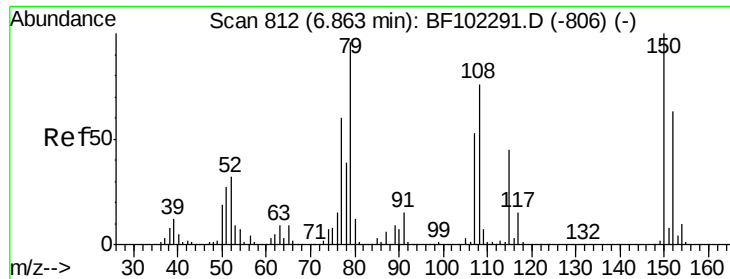
148 63.2 50.6 75.8

111 41.9 36.0 54.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

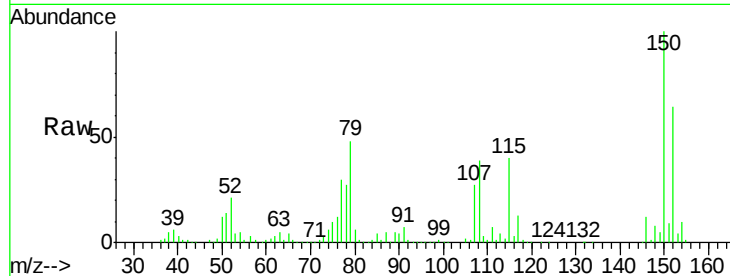




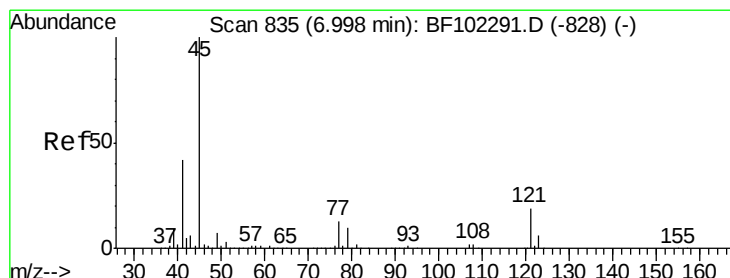
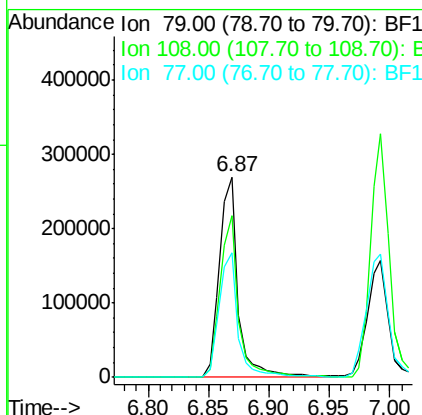
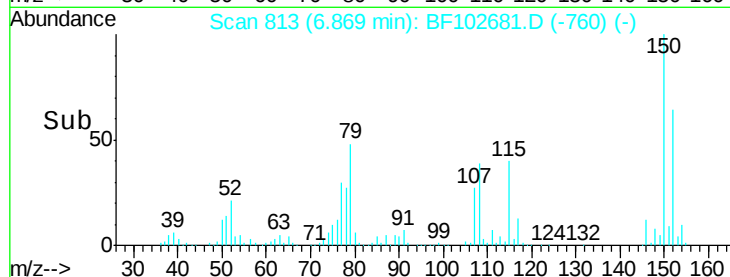
#15
Benzyl Alcohol
Concen: 37.023 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion: 79 Resp: 289846
Ion Ratio Lower Upper
79 100
108 80.5 65.1 97.7
77 62.4 50.6 75.8

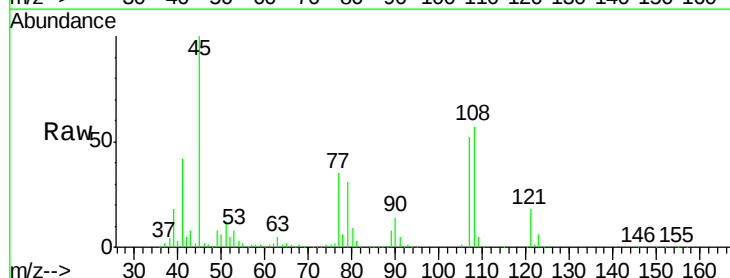


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

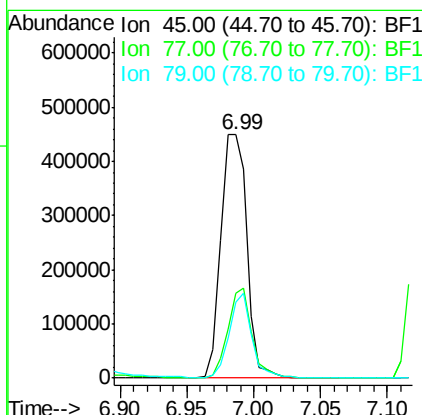
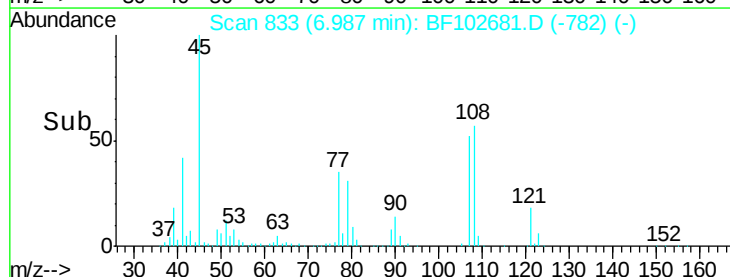


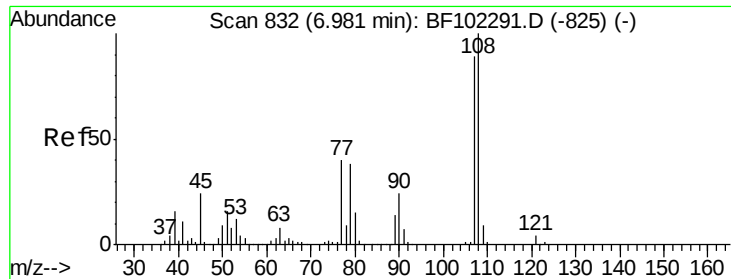
#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.196 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 45 Resp: 621110
Ion Ratio Lower Upper
45 100
77 34.7 0.0 32.9#
79 31.0 0.0 29.6#



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 37.792 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.02 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

Tot Ion:107 Resp: 316659

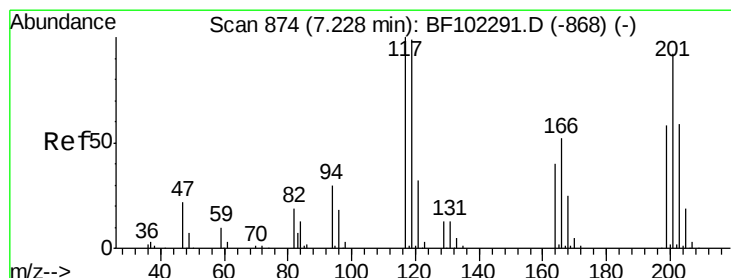
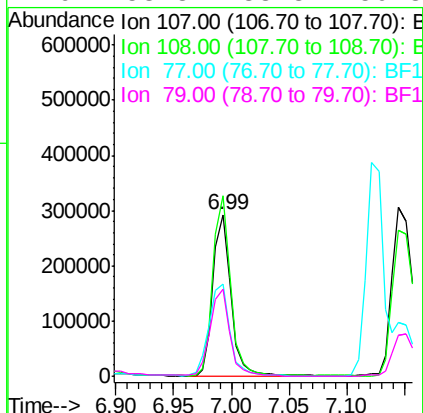
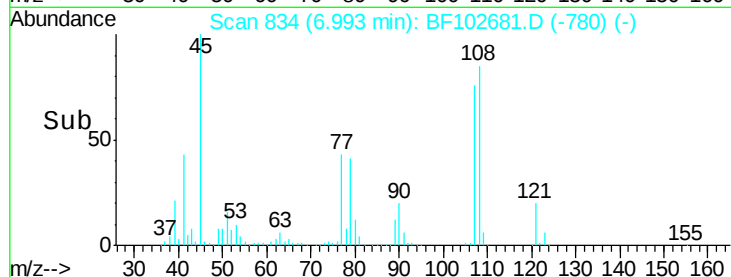
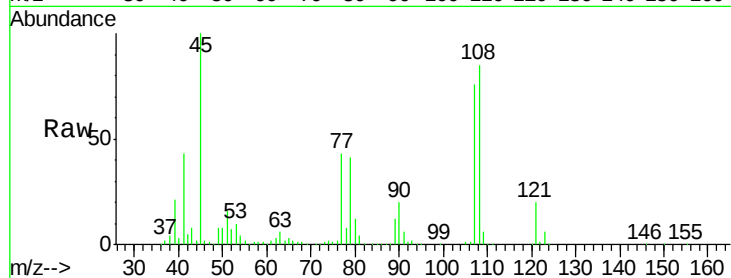
Ion Ratio Lower Upper

107 100

108 111.9 91.7 137.5

77 56.9 33.8 50.8#

79 53.8 33.8 50.8#



#18

Hexachloroethane

Concen: 28.040 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

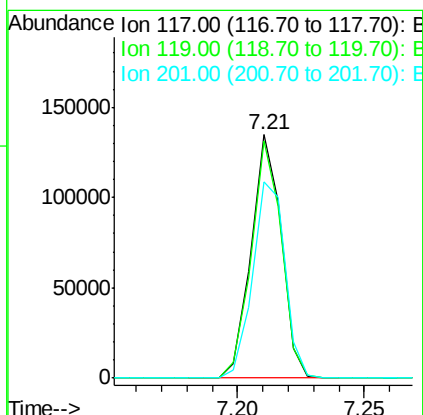
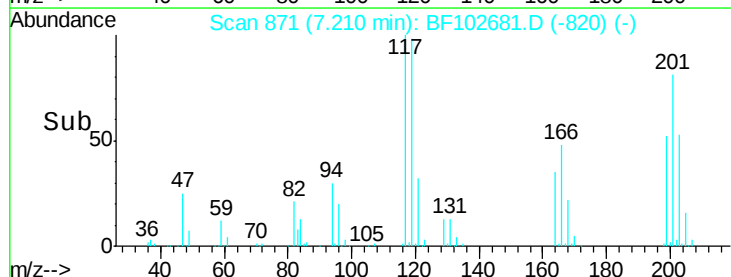
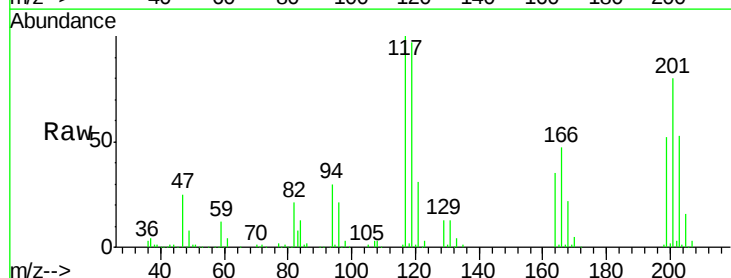
Tgt Ion:117 Resp: 112304

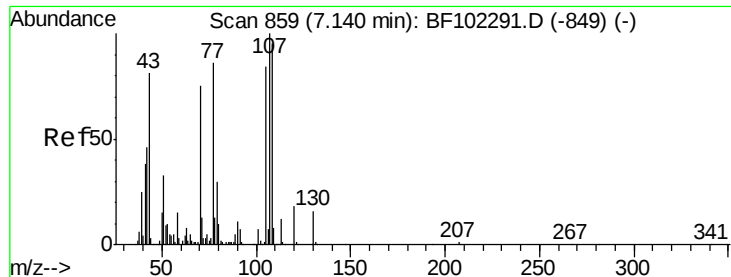
Ion Ratio Lower Upper

117 100

119 97.5 75.8 113.8

201 80.4 75.7 113.5

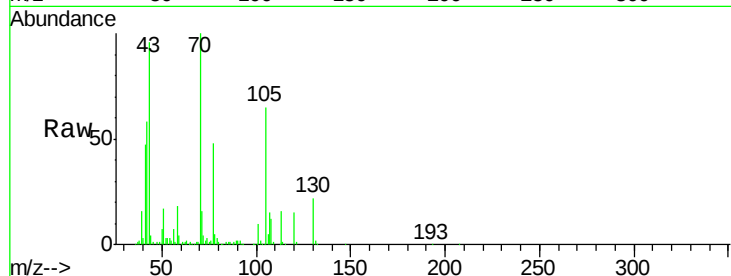




#19
n-Nitroso-di-n-propylamine
Concen: 41.249 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	57.9	47.5	71.3
101	10.3	7.4	11.2
130	22.4	16.6	25.0



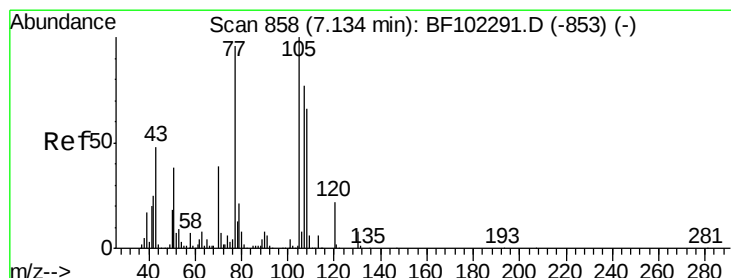
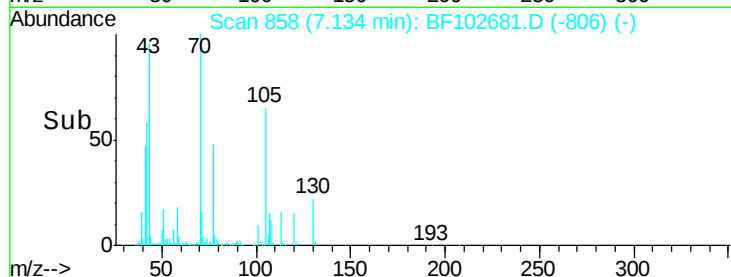
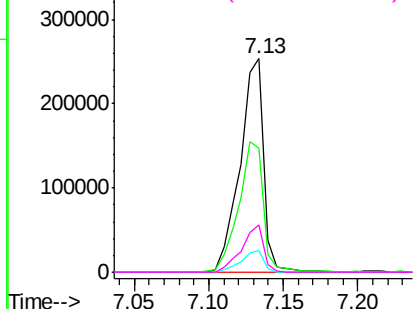
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

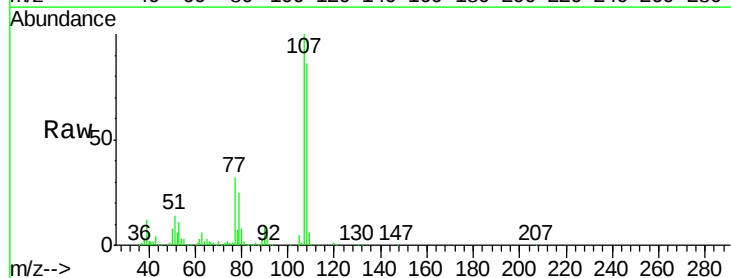
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 43.082 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.3	68.2	108.2
77	32.1	26.7	66.7
79	24.5	6.3	46.3



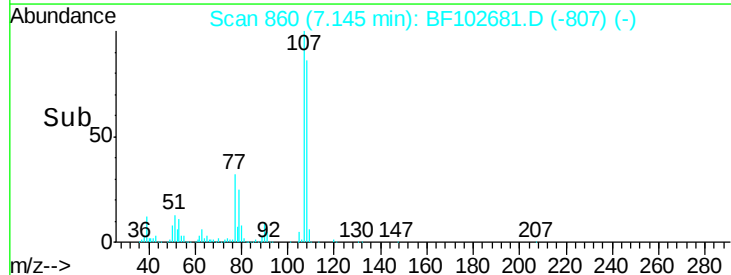
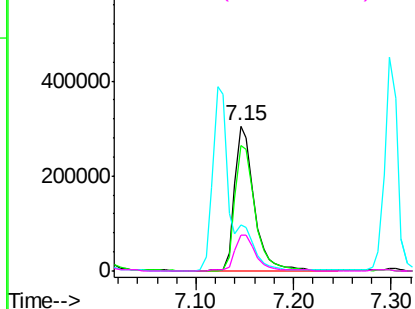
Abundance

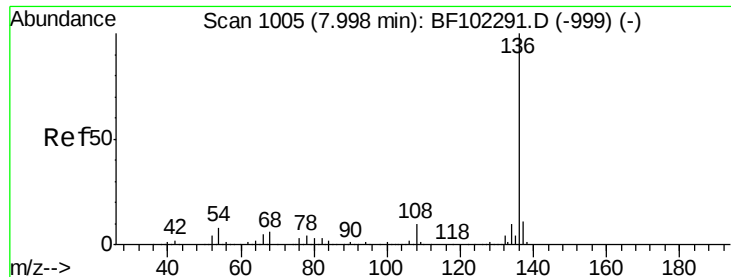
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

Tot Ion:136 Resp: 491933

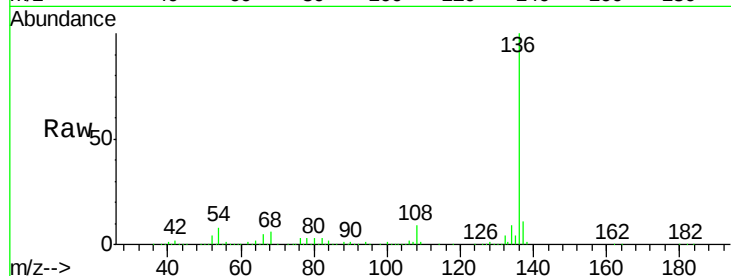
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.8 6.6 9.8

68 5.6 5.0 7.4

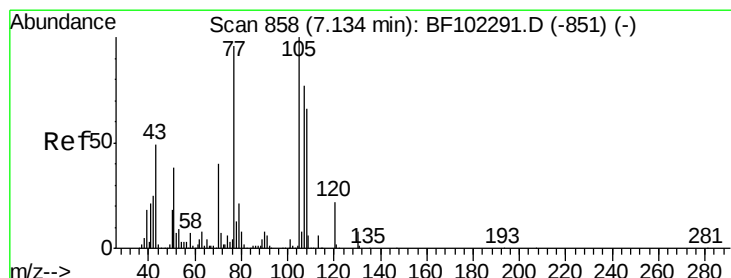
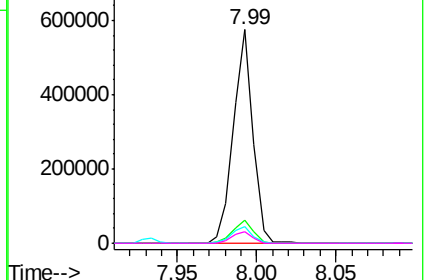
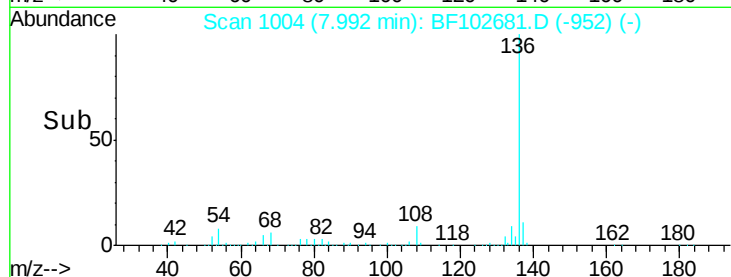


Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.179 ng

RT: 7.12 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Tgt Ion:105 Resp: 553265

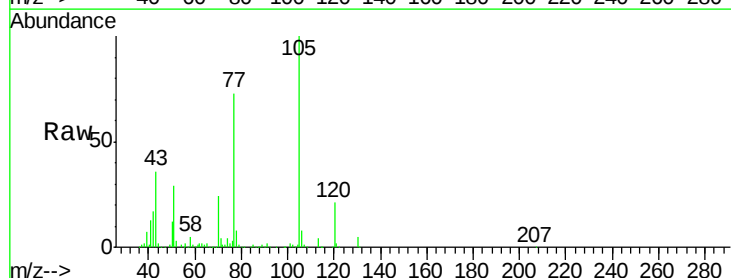
Ion Ratio Lower Upper

105 100

71 4.0 4.4 6.6#

51 28.6 22.3 33.5

120 20.8 16.9 25.3

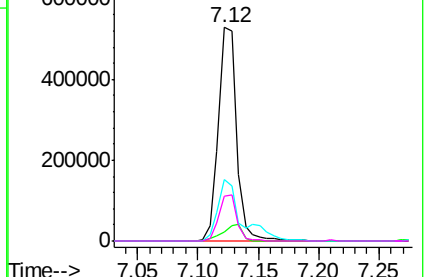
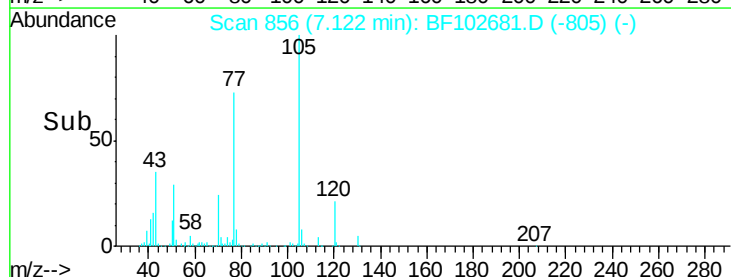


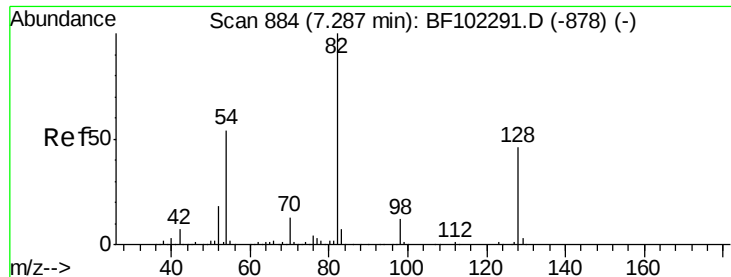
Abundance Ion 105.00 (104.70 to 105.70): E

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

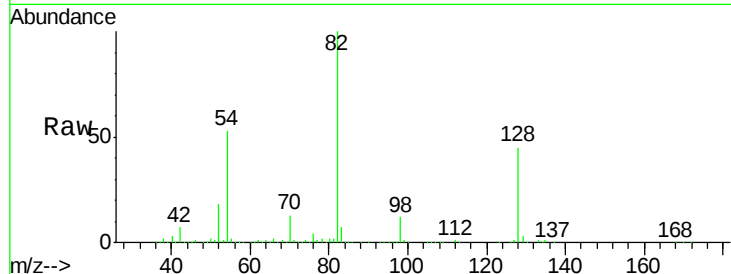




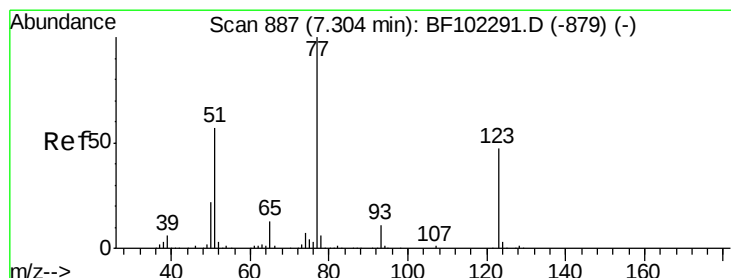
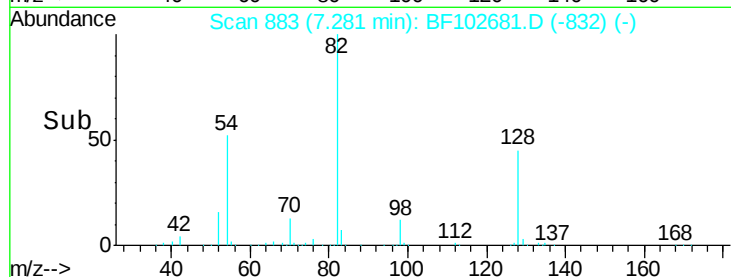
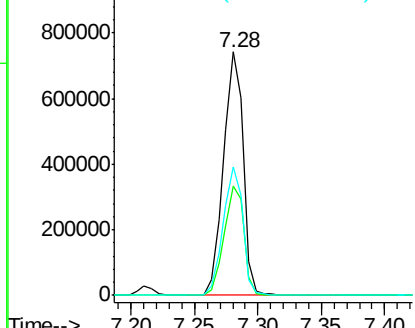
#23
Nitrobenzene-d5
Concen: 93.878 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion: 82 Resp: 803621
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 52.8 41.4 62.2

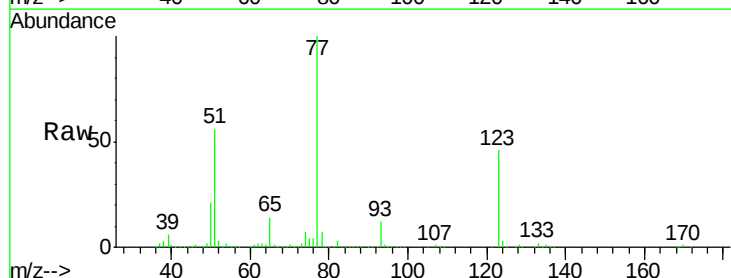


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

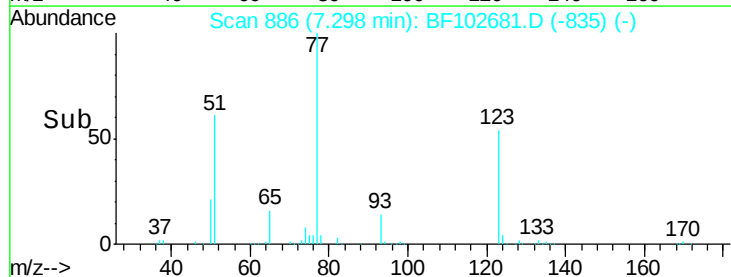
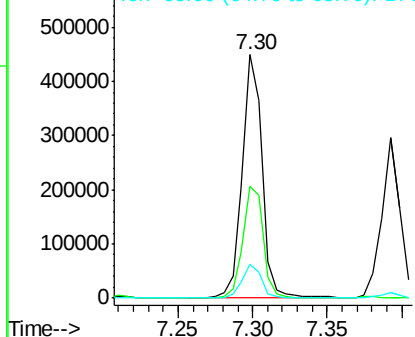


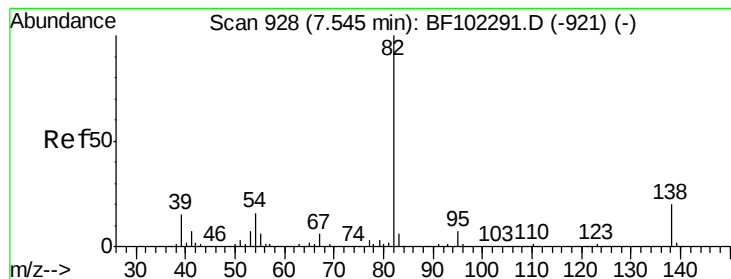
#24
Nitrobenzene
Concen: 47.192 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 77 Resp: 413419
Ion Ratio Lower Upper
77 100
123 45.7 37.9 56.9
65 14.0 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 48.226 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

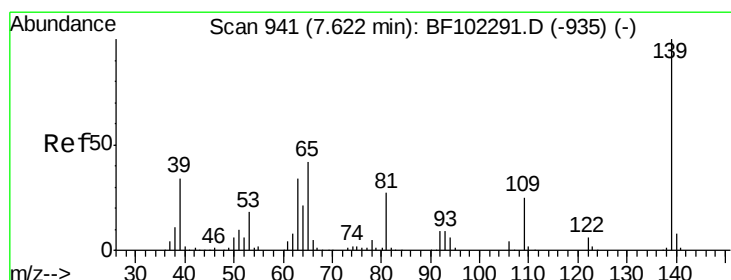
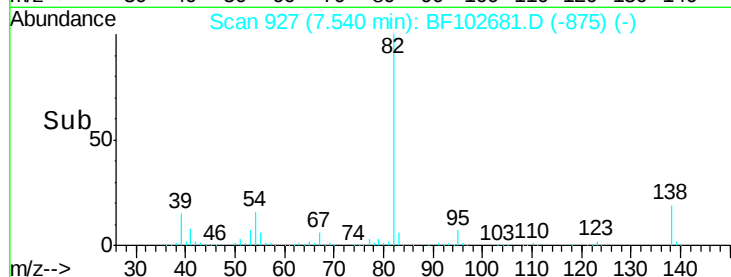
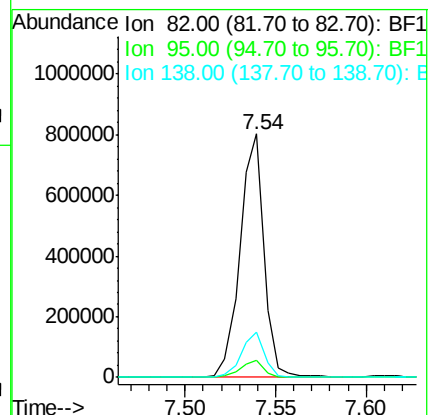
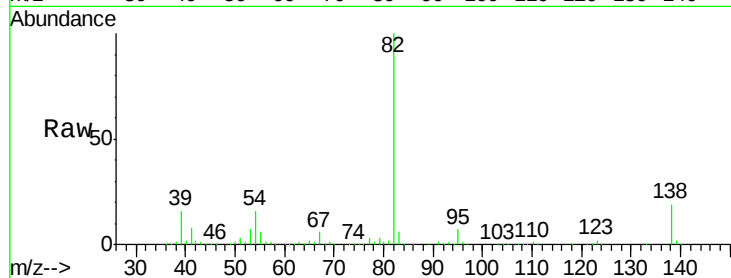
Tot Ion: 82 Resp: 735966

Ion Ratio Lower Upper

82 100

95 6.8 5.2 7.8

138 18.8 14.9 22.3



#26

2-Nitrophenol

Concen: 39.436 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

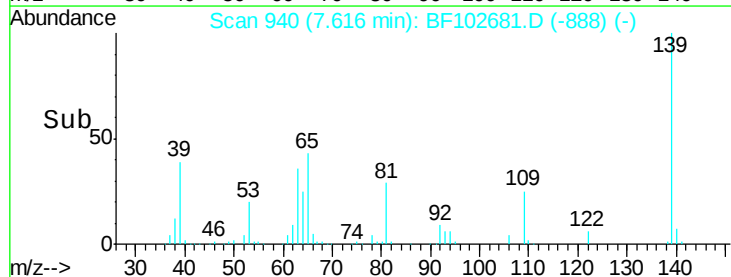
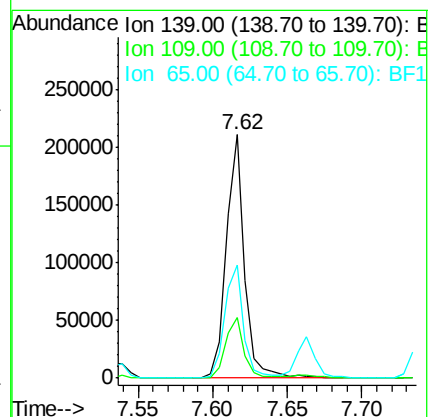
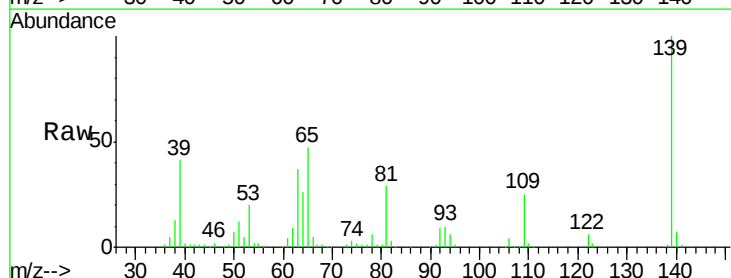
Tgt Ion: 139 Resp: 181825

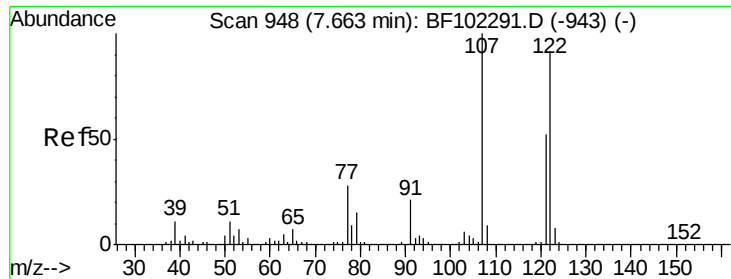
Ion Ratio Lower Upper

139 100

109 24.7 22.7 34.1

65 46.6 40.5 60.7

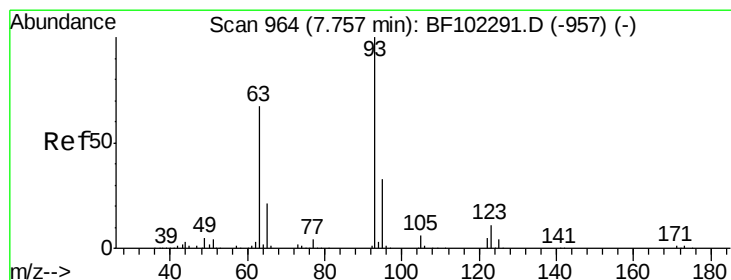
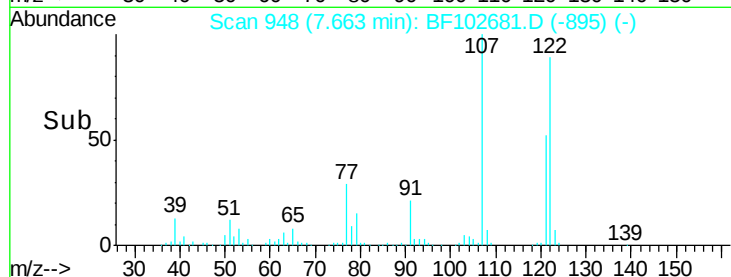
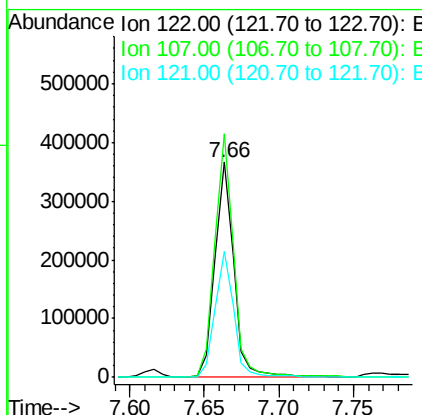
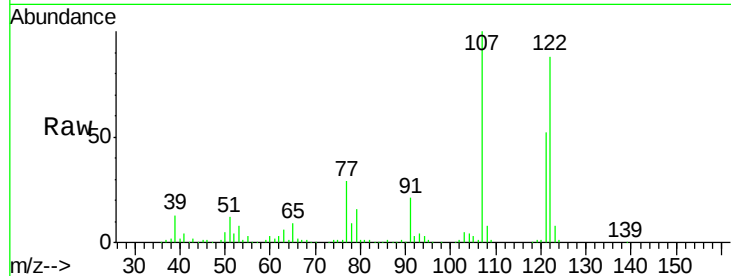




#27
2,4-Dimethylphenol
Concen: 48.728 ng
RT: 7.66 min Scan# 948
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

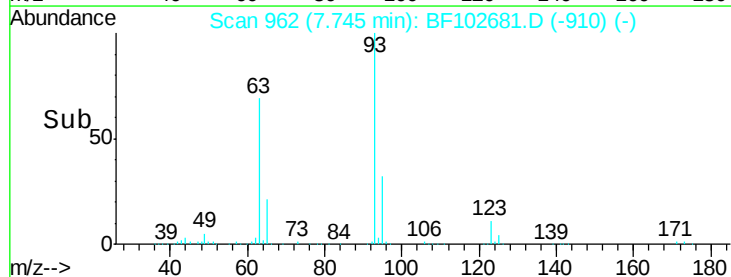
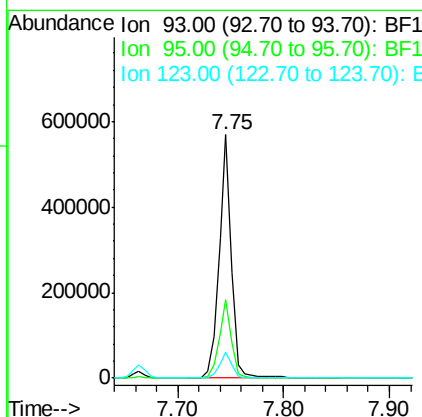
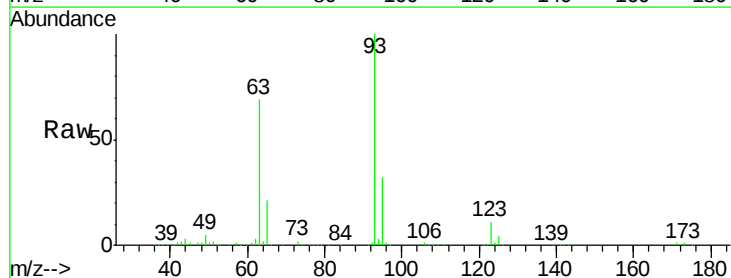
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

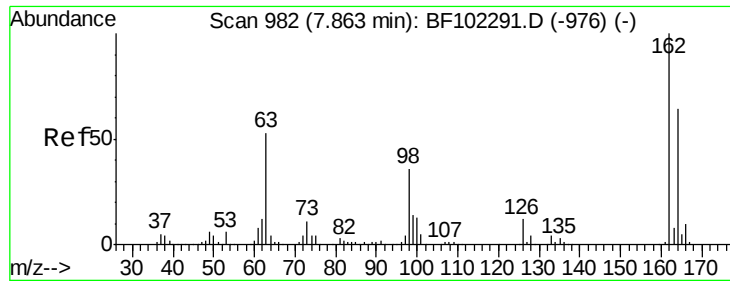
Tot Ion:122 Resp: 326230
Ion Ratio Lower Upper
122 100
107 113.0 91.2 136.8
121 58.4 47.2 70.8



#28
bis(2-Chloroethoxy)methane
Concen: 50.081 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 93 Resp: 472120
Ion Ratio Lower Upper
93 100
95 32.0 26.3 39.5
123 10.7 9.8 14.6

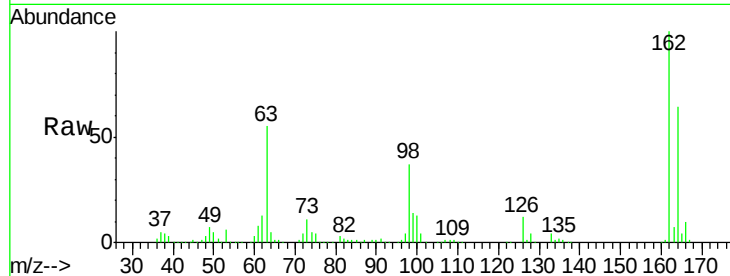




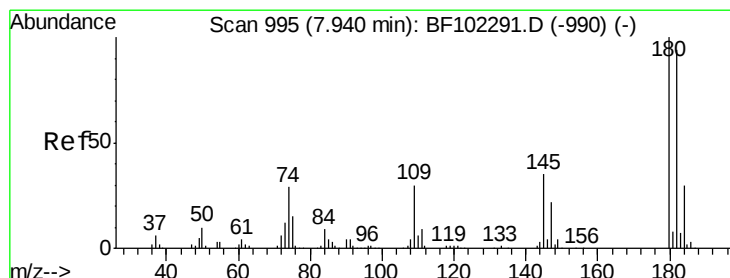
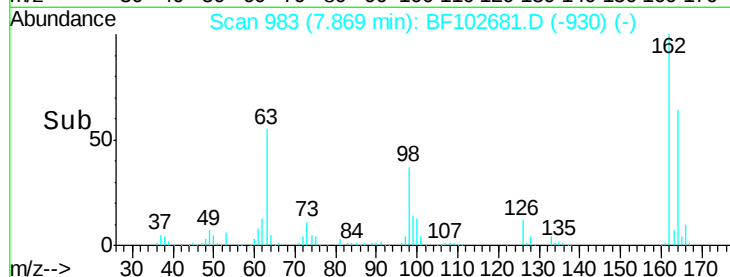
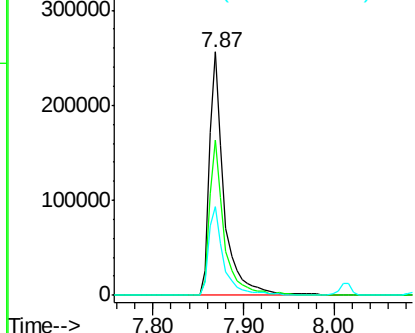
#29
 2,4-Dichlorophenol
 Concen: 42.820 ng
 RT: 7.87 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	42.7	82.7
98	36.6	18.1	58.1

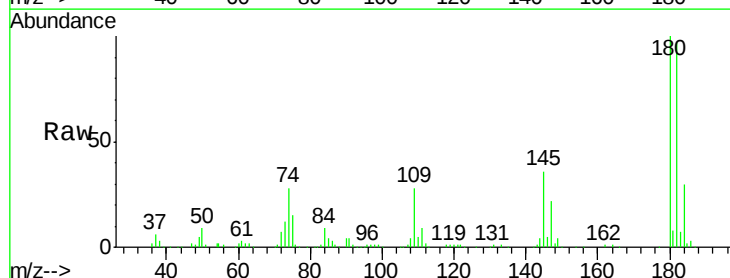


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

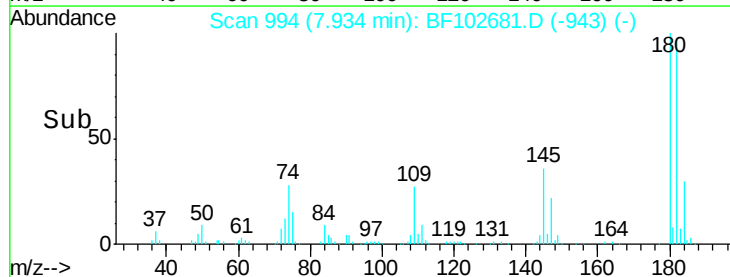
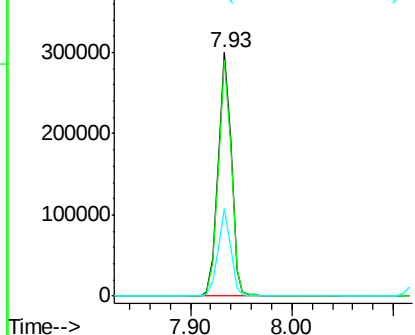


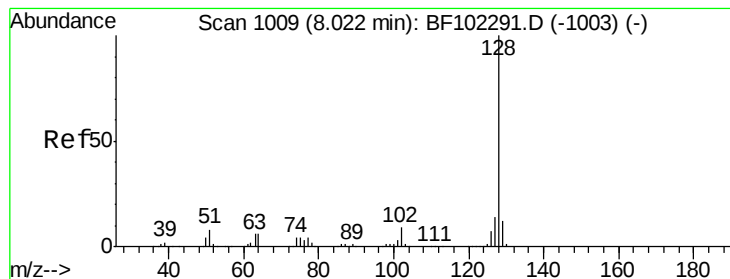
#30
 1,2,4-Trichlorobenzene
 Concen: 37.584 ng
 RT: 7.93 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.8	115.2
145	35.9	26.5	39.7



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: 39.314 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

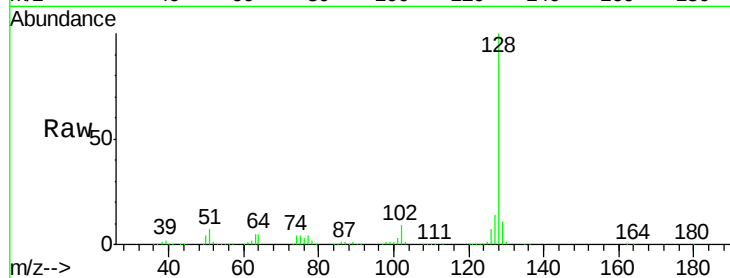
Tot Ion:128 Resp: 965597

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

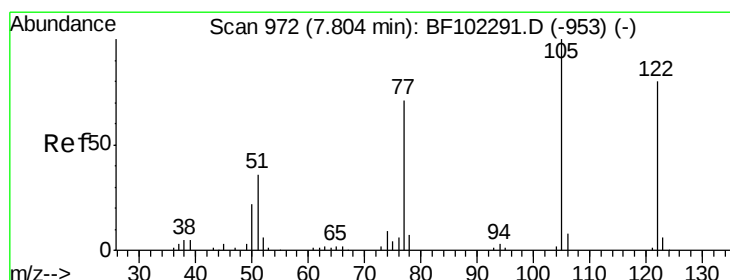
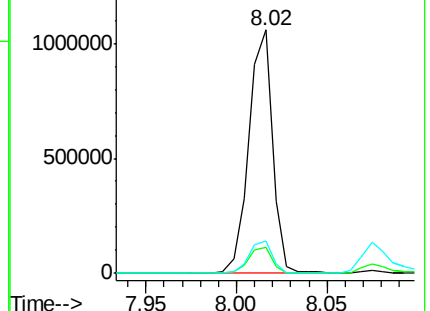
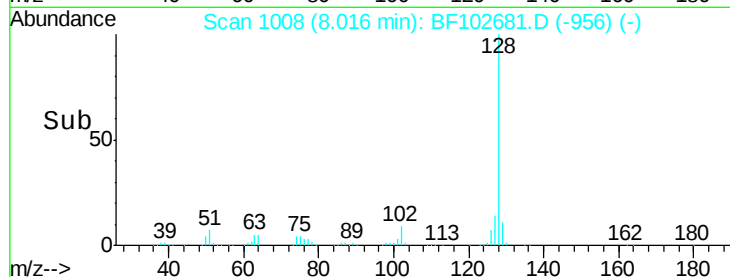
127 13.6 10.9 16.3



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: 3.404 ng

RT: 7.76 min Scan# 965

Delta R.T. -0.05 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

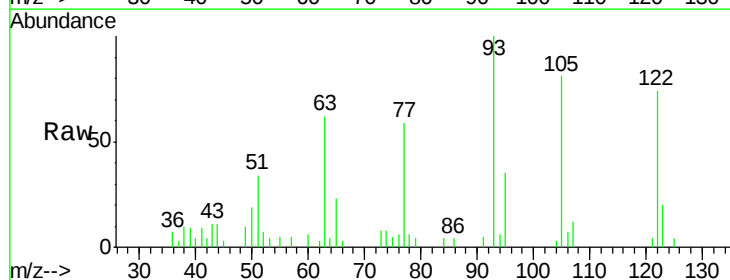
Tgt Ion:122 Resp: 19096

Ion Ratio Lower Upper

122 100

105 108.8 101.1 141.1

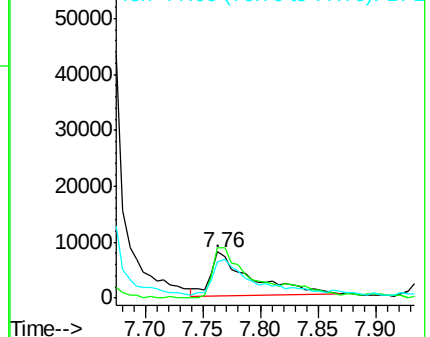
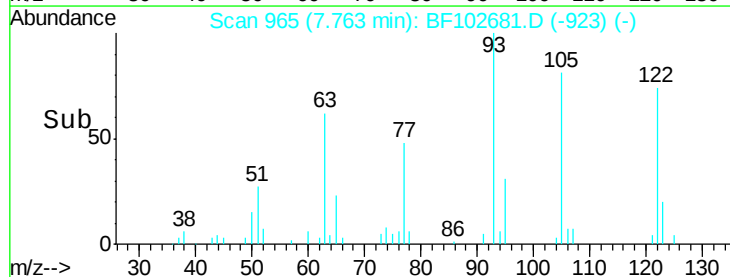
77 79.3 70.7 110.7

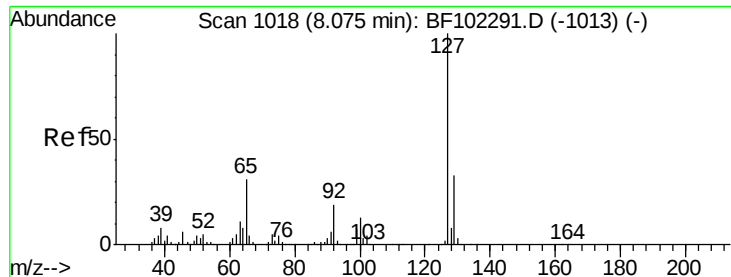


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

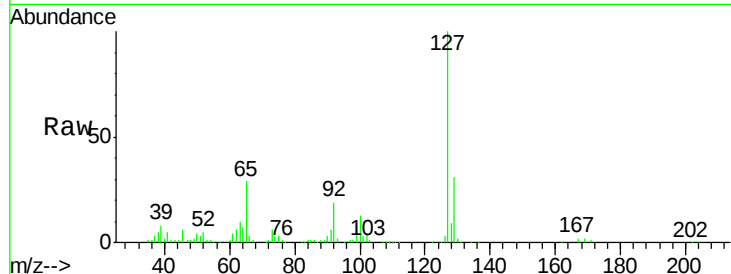




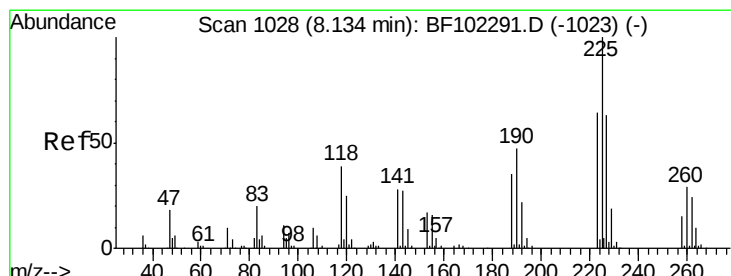
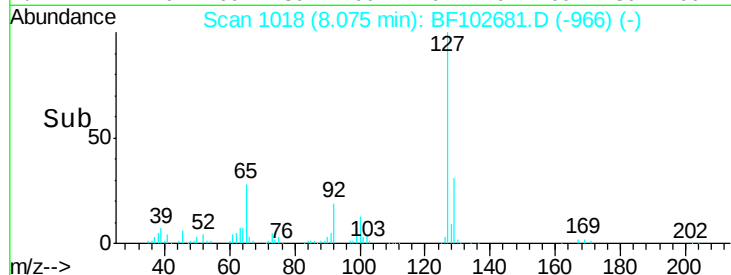
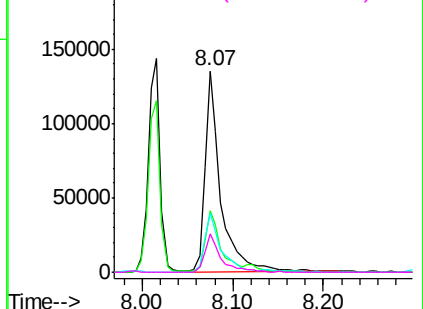
#33
4-Chloroaniline
Concen: 15.963 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion:	127	Resp:	164871
Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.9	38.9
65	29.2	25.0	37.4
92	19.0	15.2	22.8

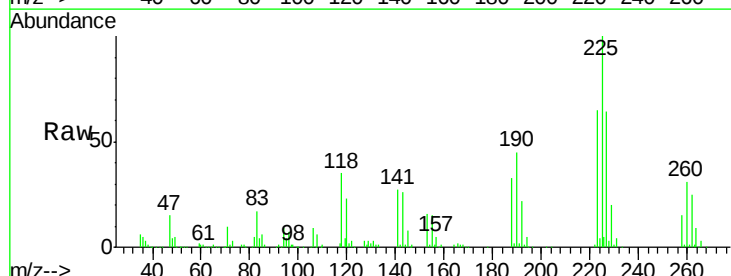


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

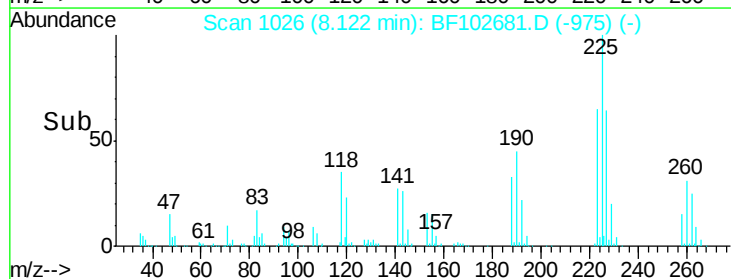
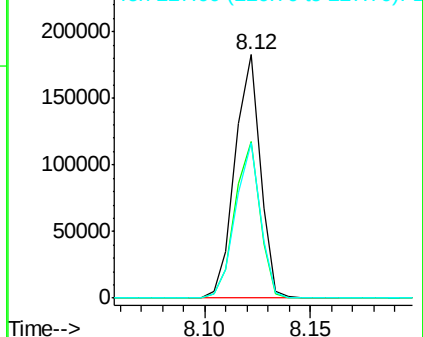


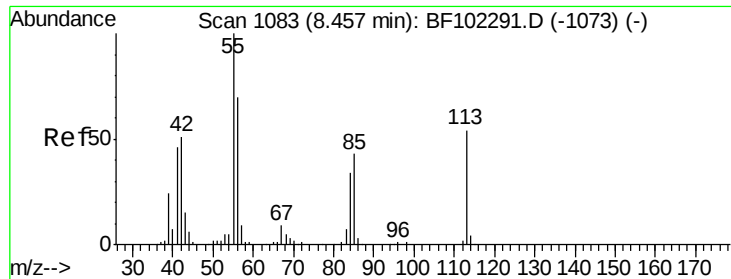
#34
Hexachlorobutadiene
Concen: 38.742 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:	225	Resp:	151264
Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.6	76.0
227	63.8	51.9	77.9



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

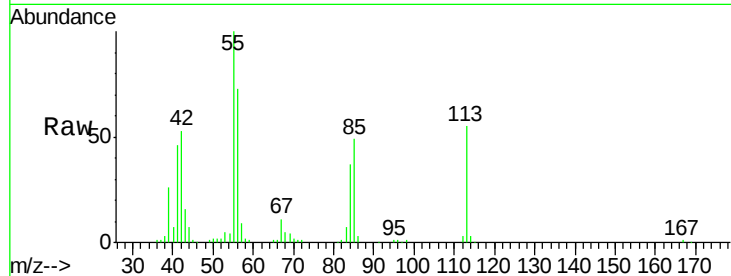




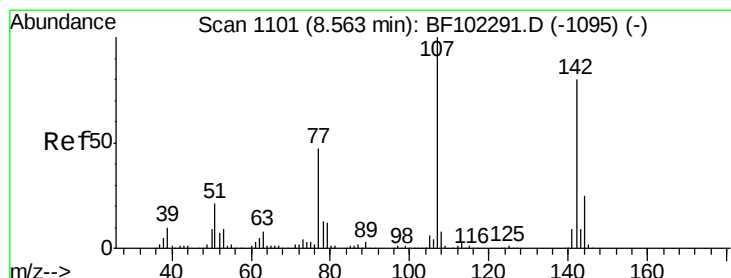
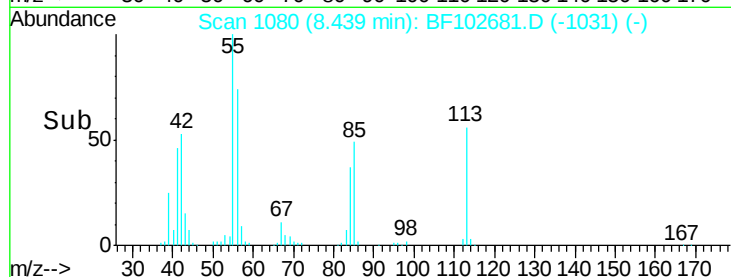
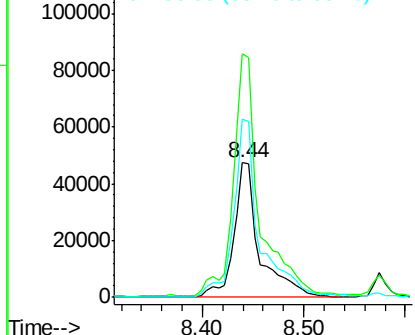
#35
 Caprolactam
 Concen: 37.053 ng
 RT: 8.44 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Tot Ion:113 Resp: 83453
 Ion Ratio Lower Upper
 113 100
 55 181.2 163.3 203.3
 56 132.7 115.7 155.7

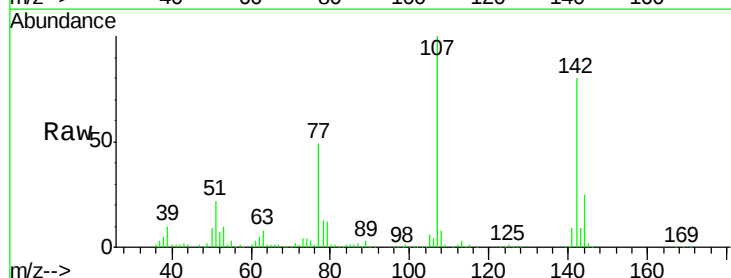


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

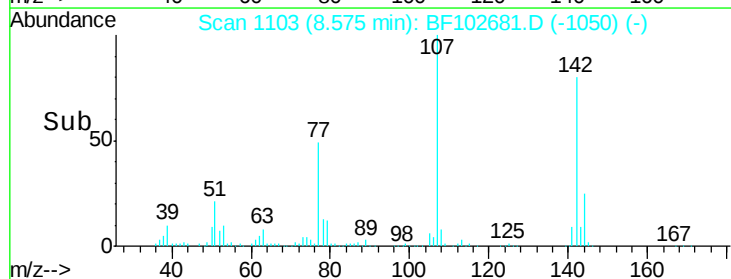
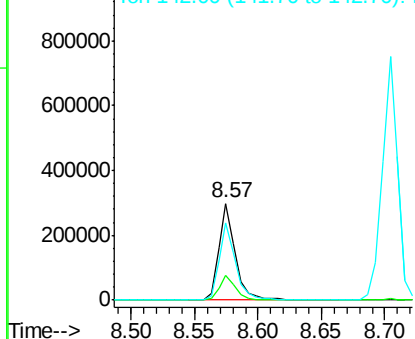


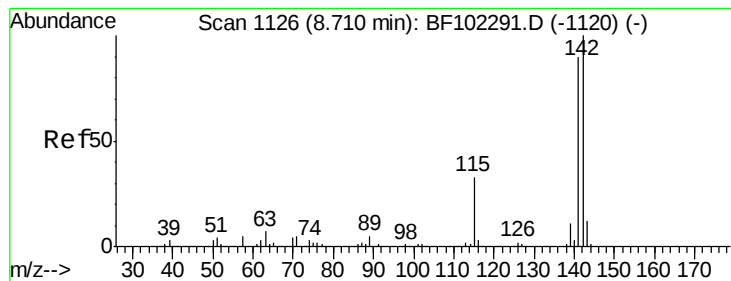
#36
 4-Chloro-3-methylphenol
 Concen: 38.190 ng
 RT: 8.57 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion:107 Resp: 274527
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.5 30.7
 142 80.0 62.0 93.0



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: 40.064 ng

RT: 8.70 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

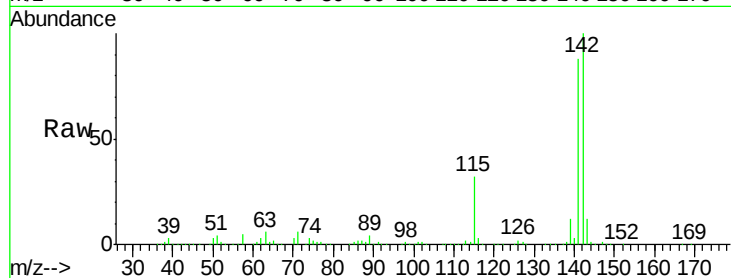
Tot Ion:142 Resp: 655333

Ion Ratio Lower Upper

142 100

141 87.9 70.8 106.2

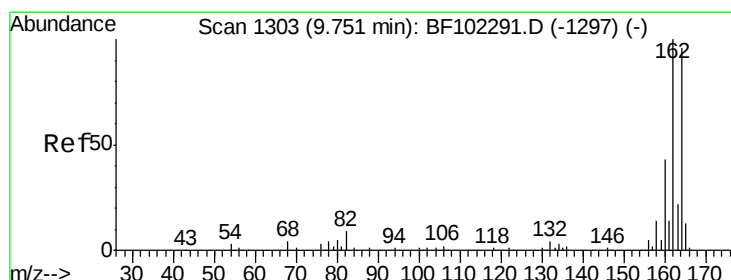
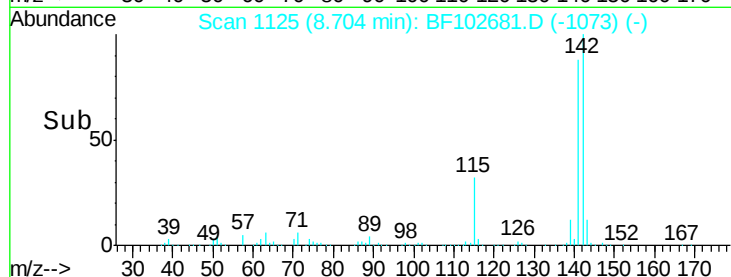
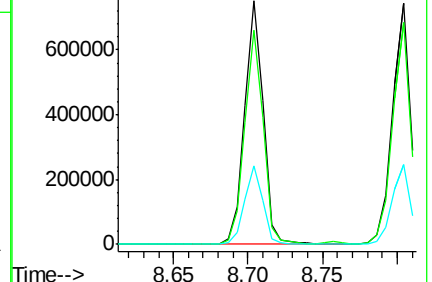
115 32.3 26.1 39.1



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

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

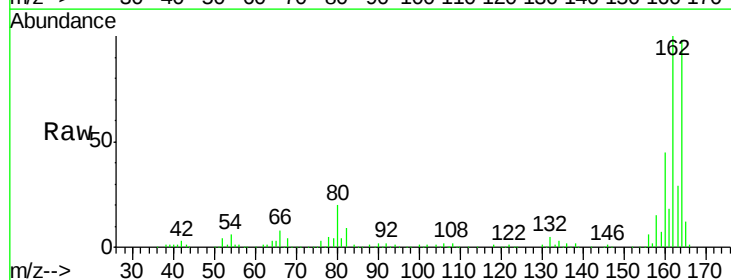
Tgt Ion:164 Resp: 175281

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

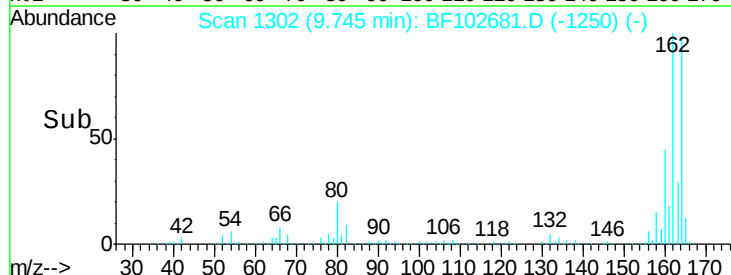
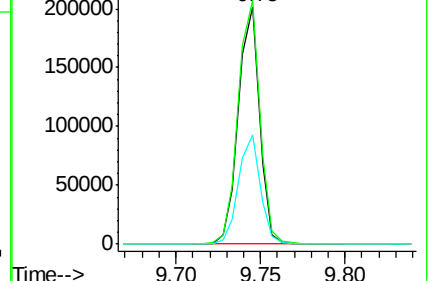
160 46.1 38.3 57.5

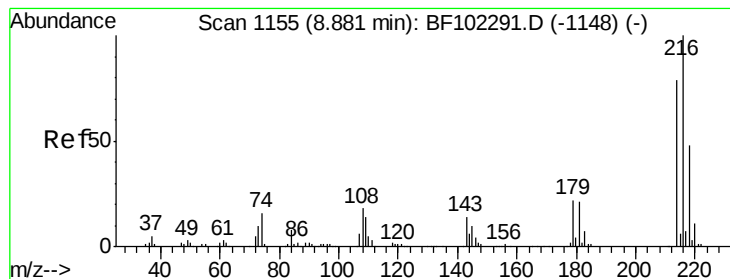


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

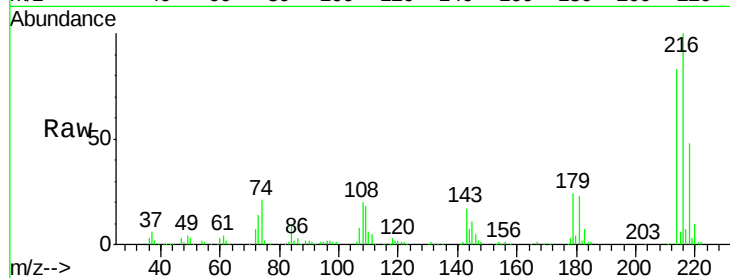




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.019 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Tot Ion	Ratio	Lower	Upper
216	100		
214	80.8	63.0	94.4
179	23.3	18.1	27.1
108	20.3	17.2	25.8

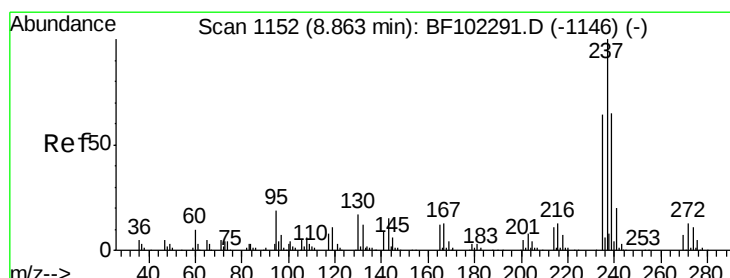
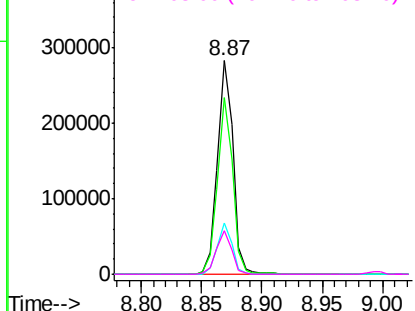
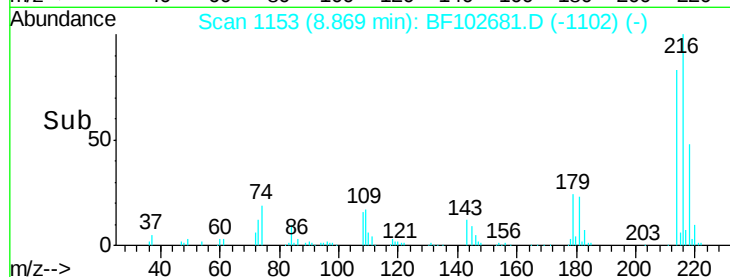


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

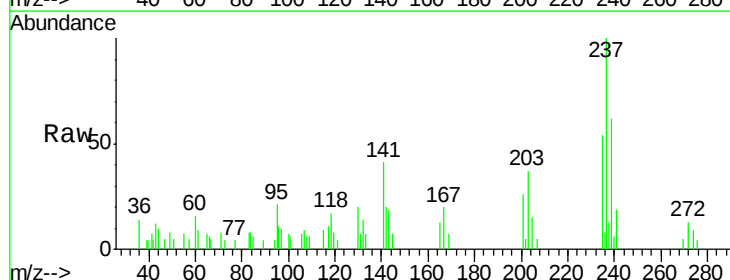
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
 Hexachlorocyclopentadiene
 Concen: 2.517 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

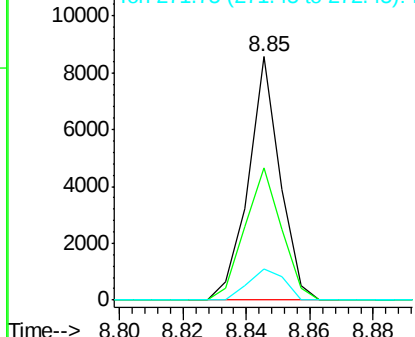
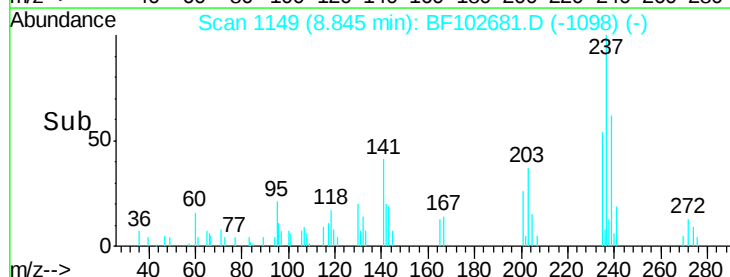
Tgt Ion	Ratio	Lower	Upper
237	100		
235	54.5	44.8	84.8
272	12.9	0.0	33.3

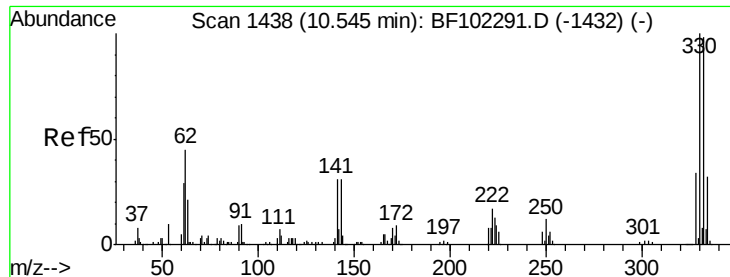


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

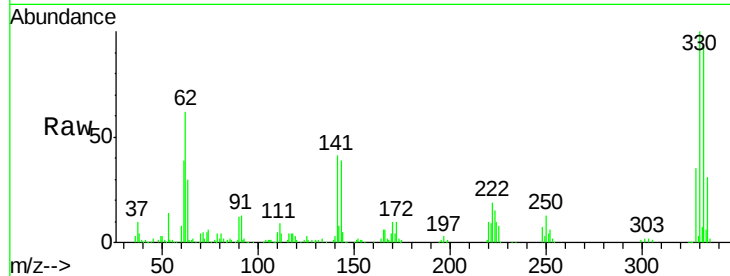




#41
 2,4,6-Tribromophenol
 Concen: 99.516 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	40.3	29.9	44.9

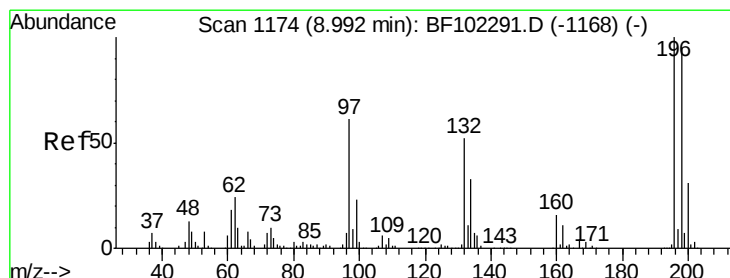
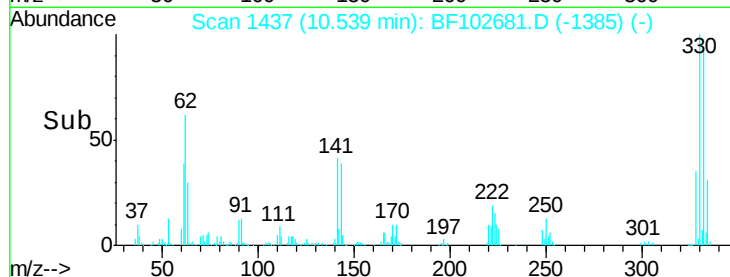
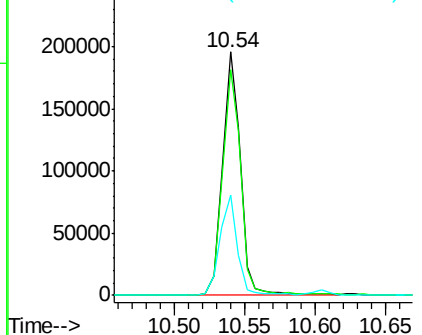


Abundance

Ion 329.80 (329.50 to 330.50): E

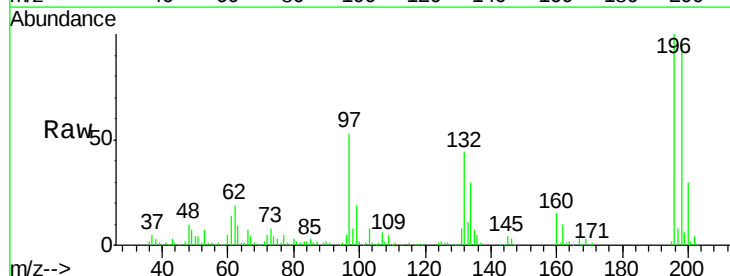
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 44.441 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.7	113.5
200	29.7	24.5	36.7

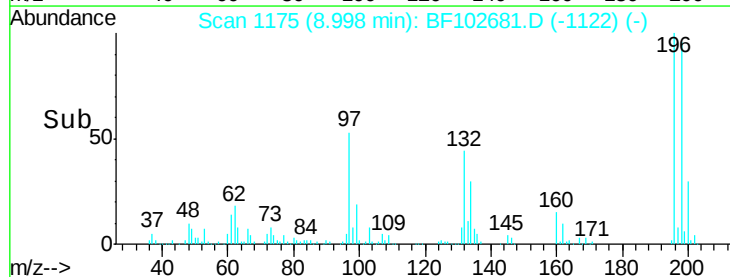
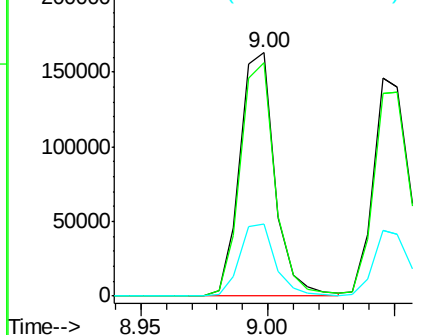


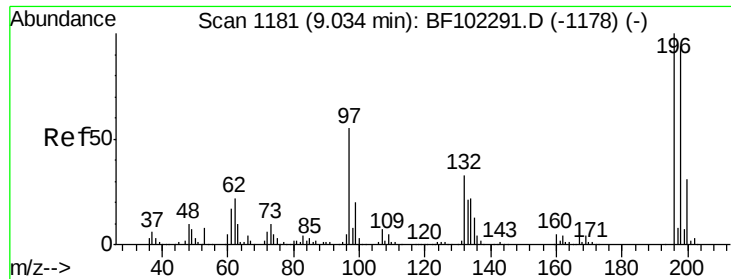
Abundance

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

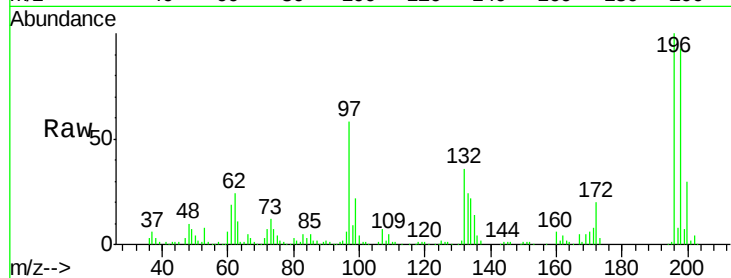




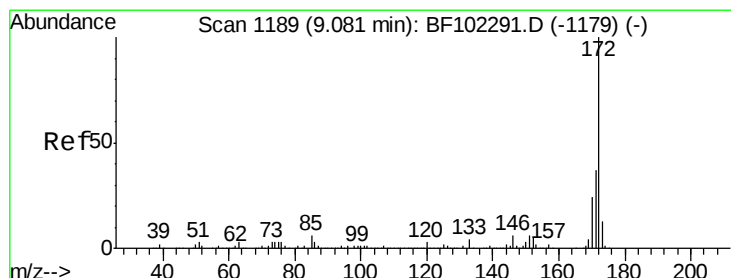
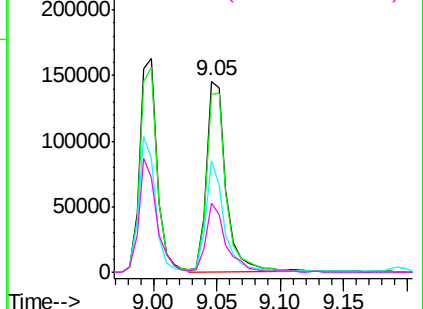
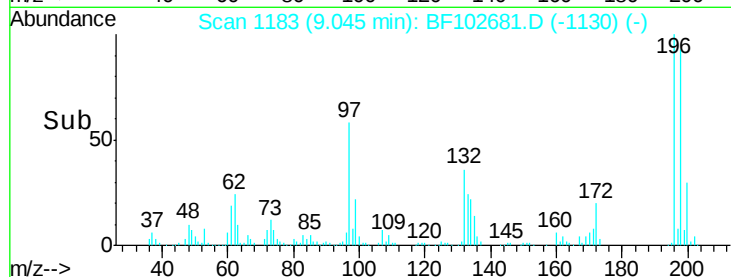
#43
2,4,5-Trichlorophenol
Concen: 39.806 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.1	74.6	112.0
97	58.4	42.9	64.3
132	36.4	26.3	39.5

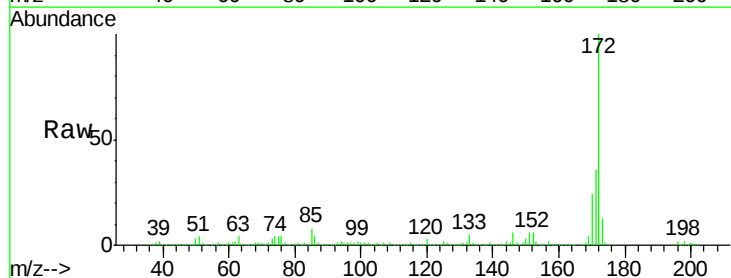


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF1
Ion 132.00 (131.70 to 132.70): E

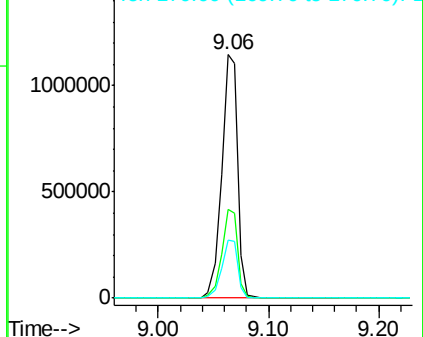
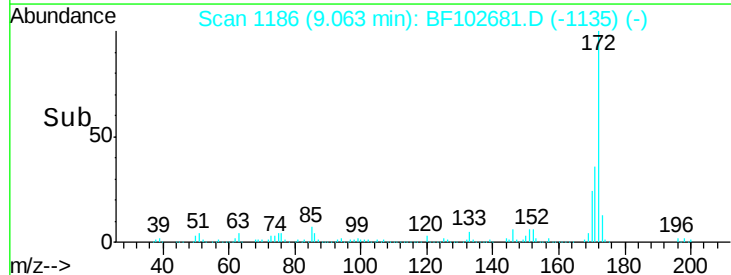


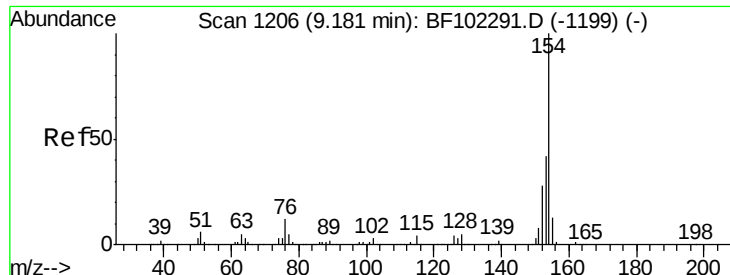
#44
2-Fluorobiphenyl
Concen: 96.783 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

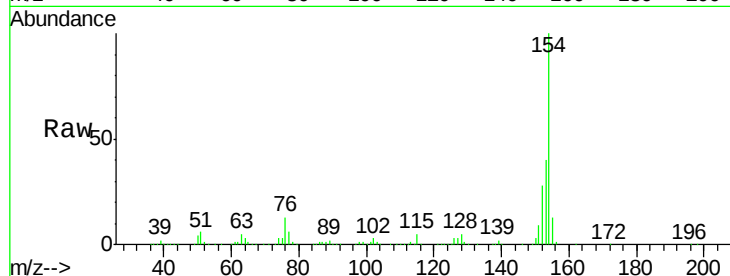




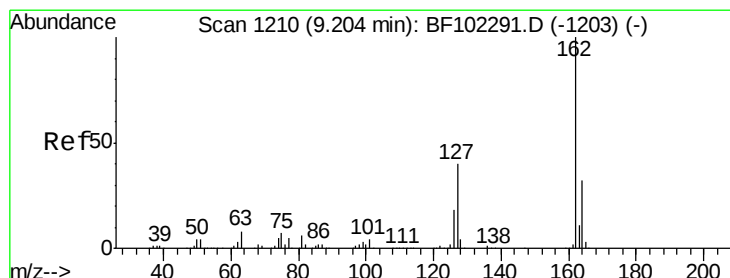
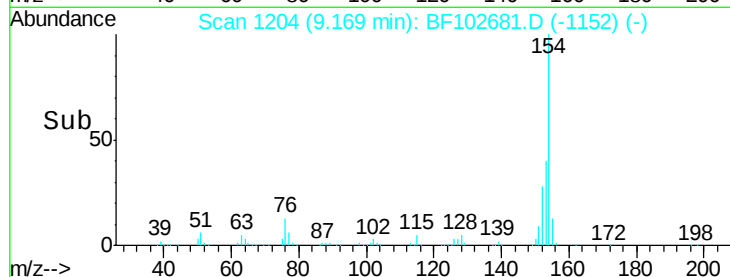
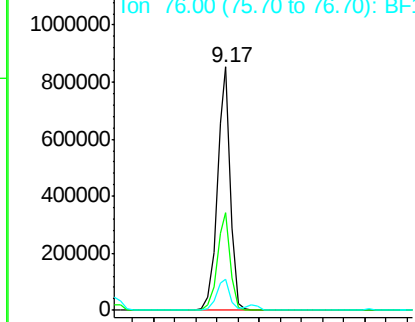
#45
 1,1'-Biphenyl
 Concen: 47.241 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Tot Ion:154 Resp: 740408
 Ion Ratio Lower Upper
 154 100
 153 40.4 21.3 61.3
 76 12.9 0.0 34.0

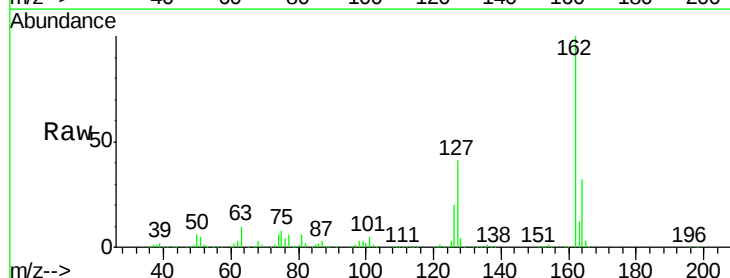


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

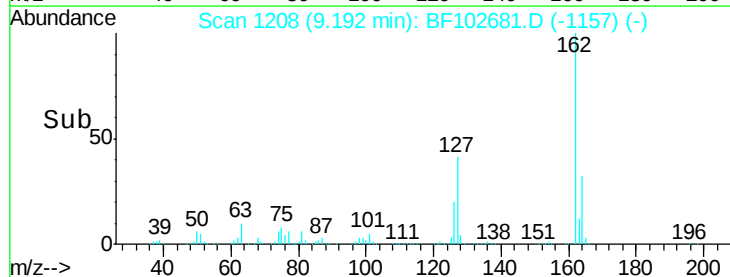
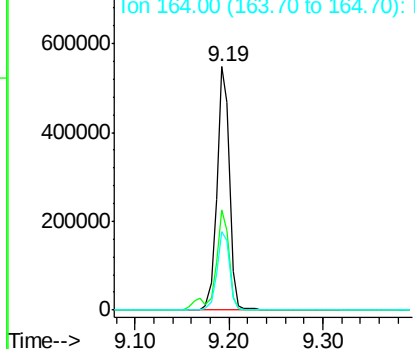


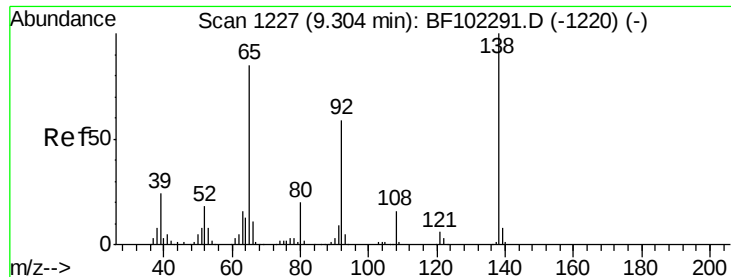
#46
 2-Chloronaphthalene
 Concen: 42.112 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion:162 Resp: 513028
 Ion Ratio Lower Upper
 162 100
 127 40.9 33.9 50.9
 164 32.1 26.5 39.7



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

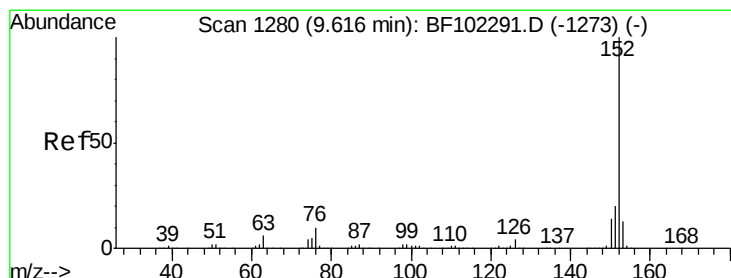
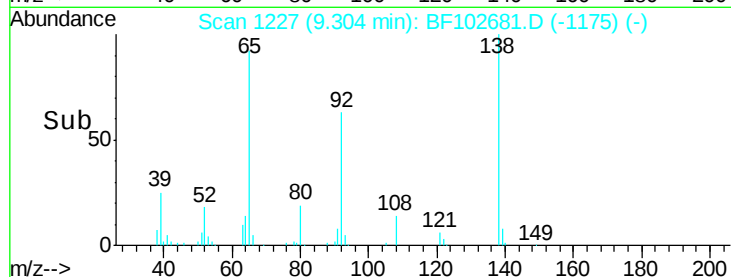
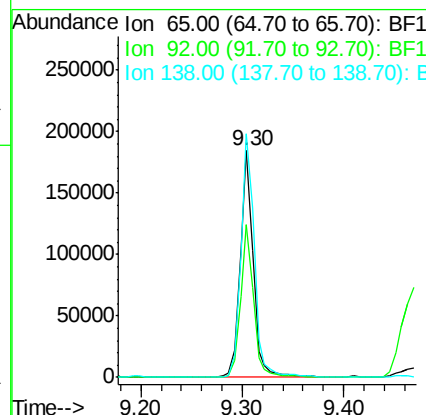
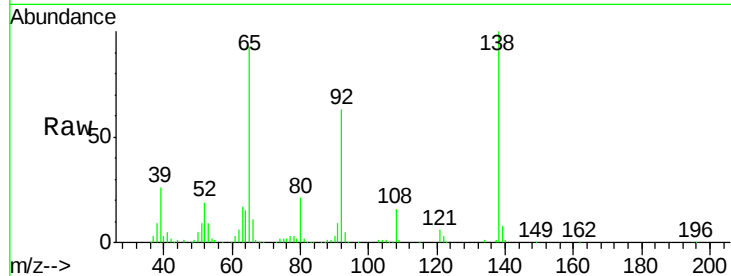




#47
 2-Nitroaniline
 Concen: 43.889 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

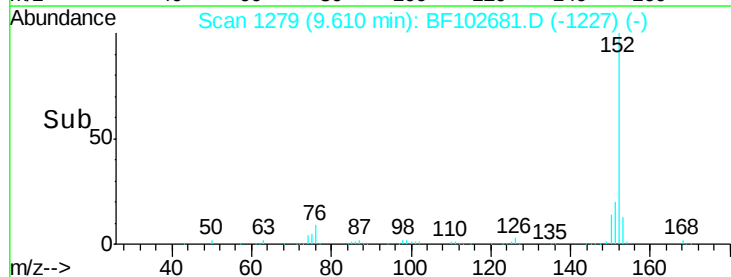
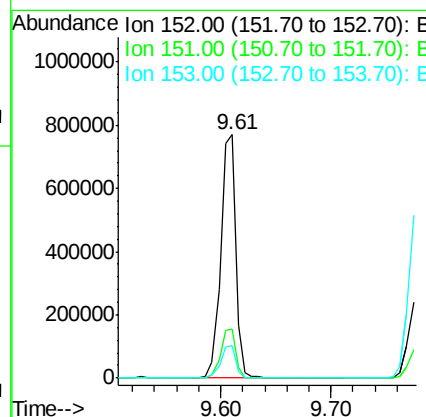
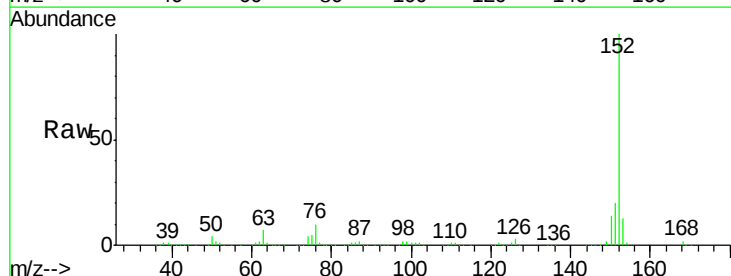
Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

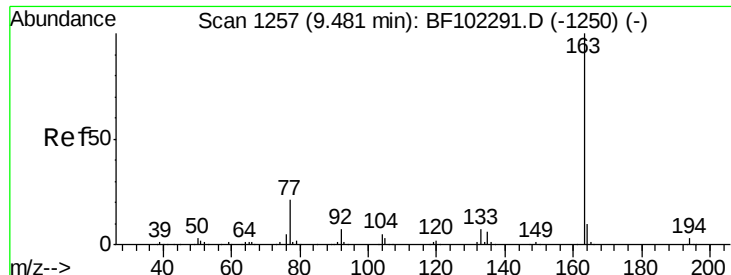
Tot Ion	Ratio	Lower	Upper
65	100		
92	67.3	55.8	83.6
138	107.4	91.2	136.8



#48
 Acenaphthylene
 Concen: 38.194 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1

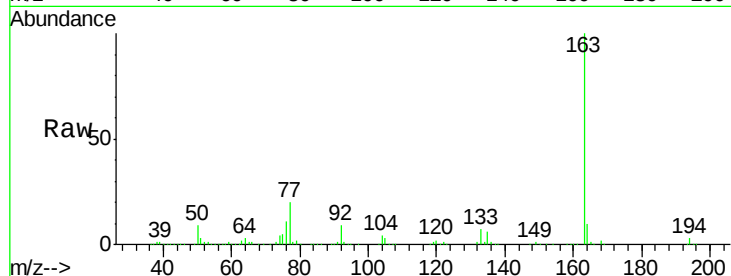




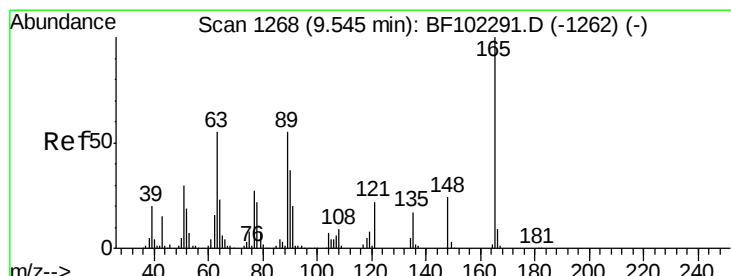
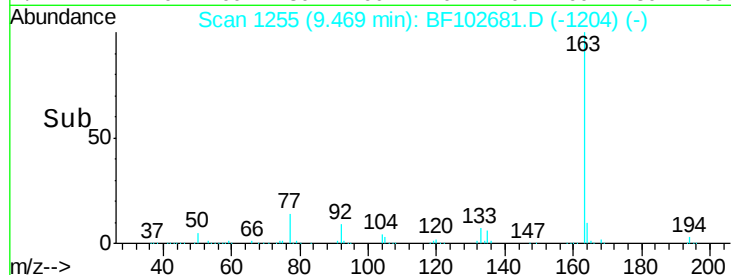
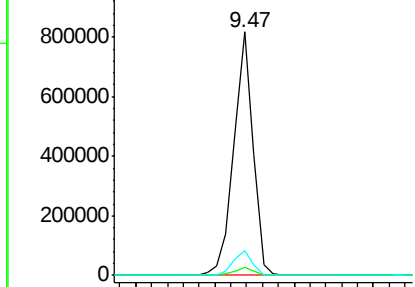
#49
Dimethylphthalate
Concen: 47.946 ng
RT: 9.47 min Scan# 1255
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion:163 Resp: 694642
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.3 8.2 12.2

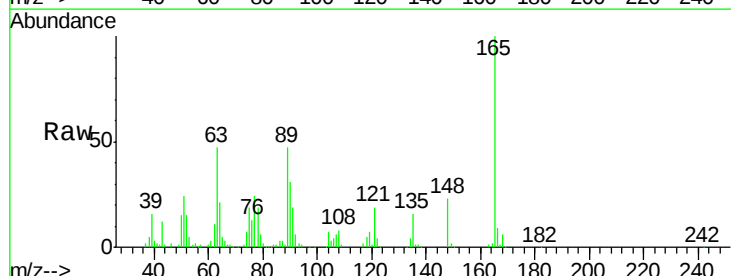


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

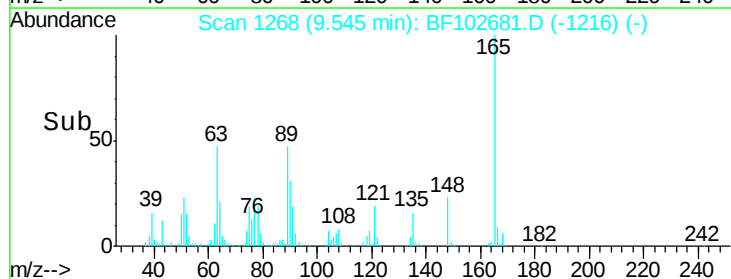
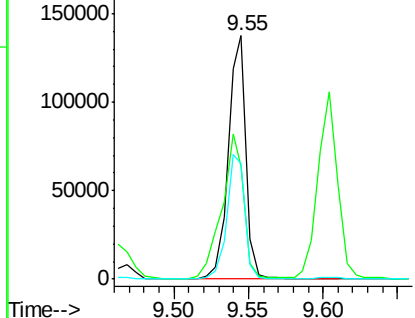


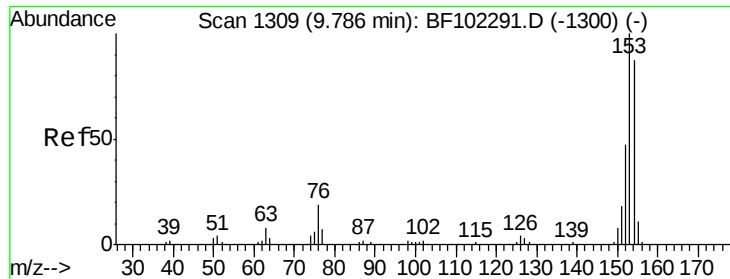
#50
2,6-Dinitrotoluene
Concen: 37.107 ng
RT: 9.55 min Scan# 1268
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:165 Resp: 115910
Ion Ratio Lower Upper
165 100
63 46.7 44.7 67.1
89 47.3 44.0 66.0



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





#51

Acenaphthene

Concen: 38.669 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

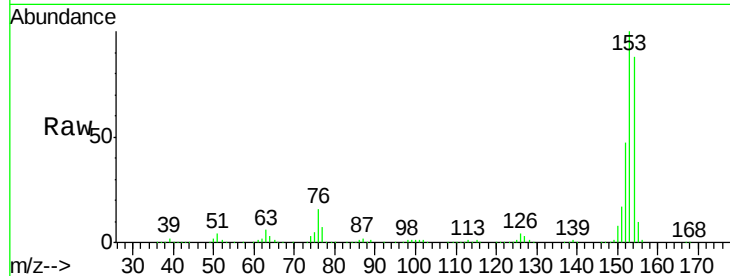
Tot Ion:154 Resp: 428627

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

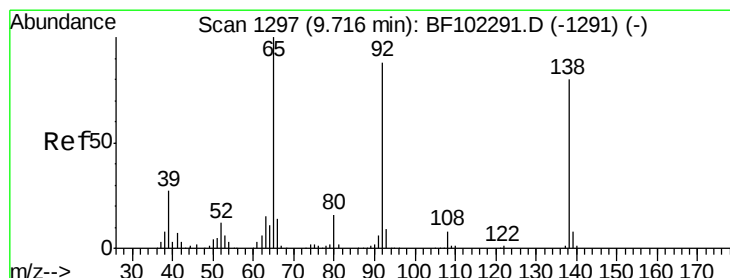
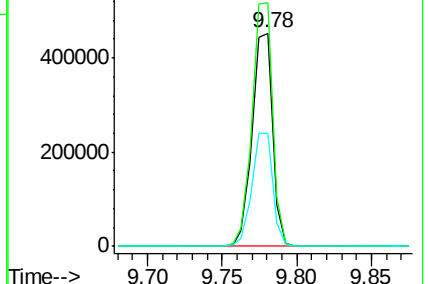
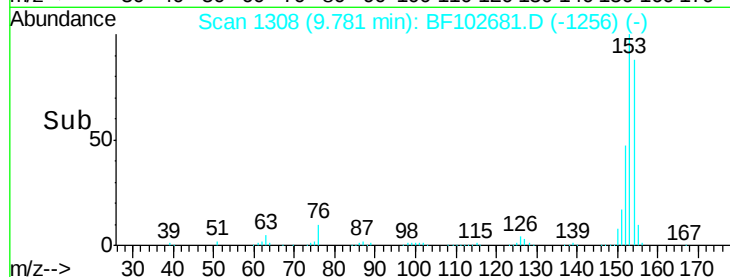
152 53.3 43.8 65.8



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



#52

3-Nitroaniline

Concen: 34.208 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

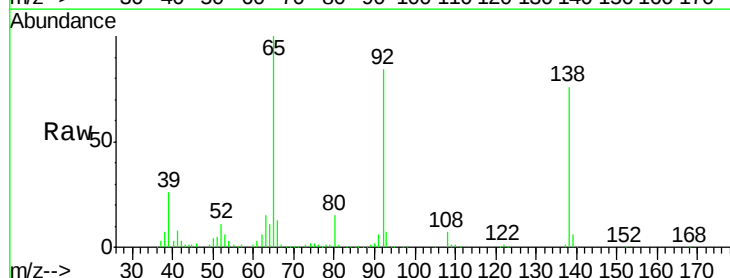
Tgt Ion:138 Resp: 126407

Ion Ratio Lower Upper

138 100

108 9.8 9.4 14.0

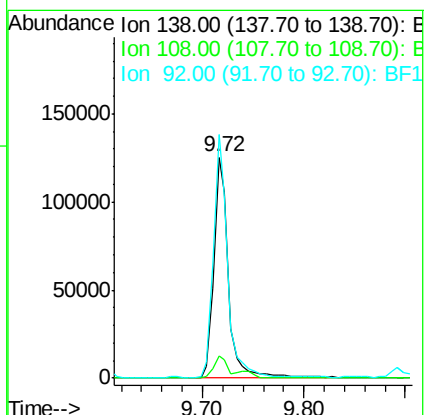
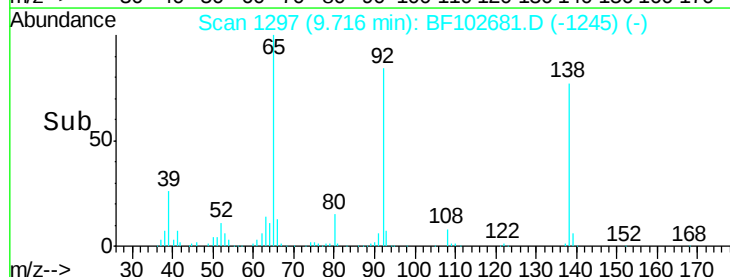
92 110.2 89.4 134.2

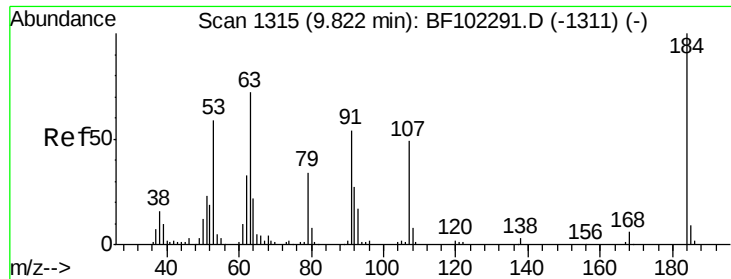


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

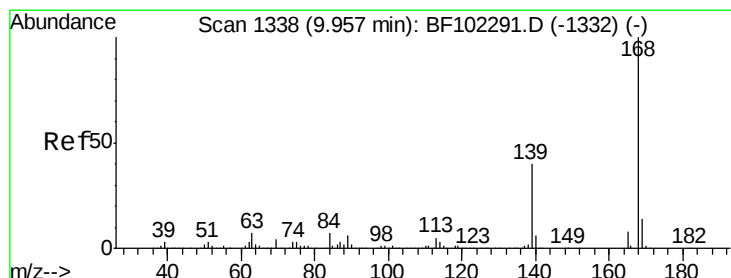
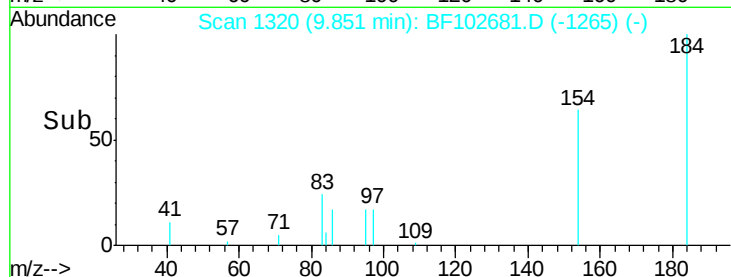
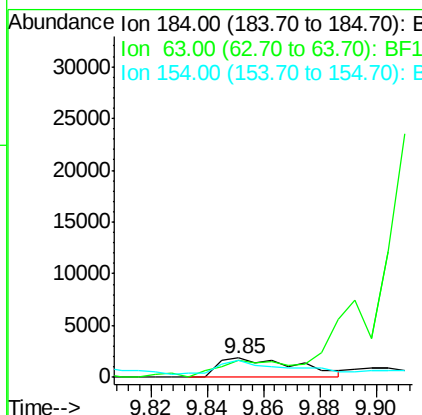
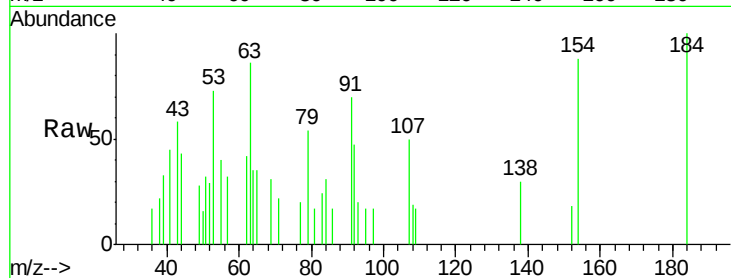




#53
2,4-Dinitrophenol
Concen: 6.180 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

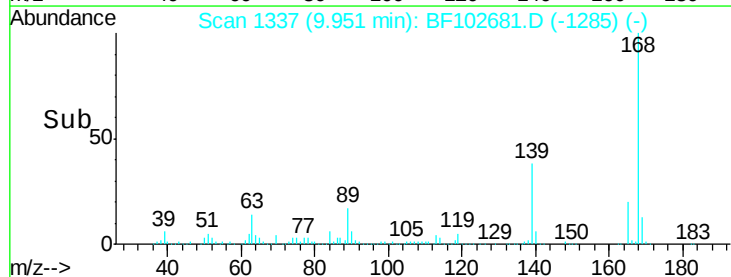
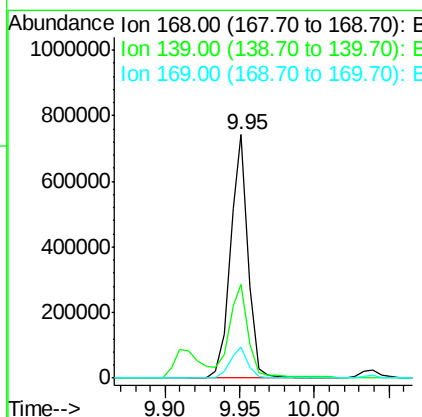
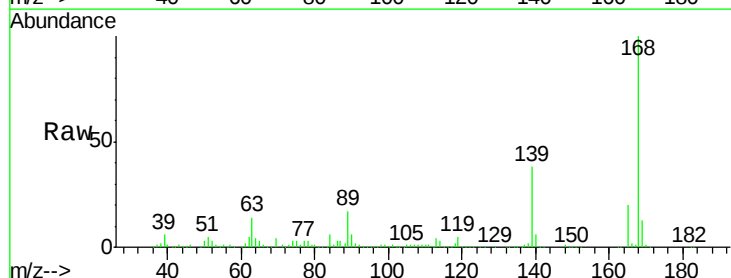
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

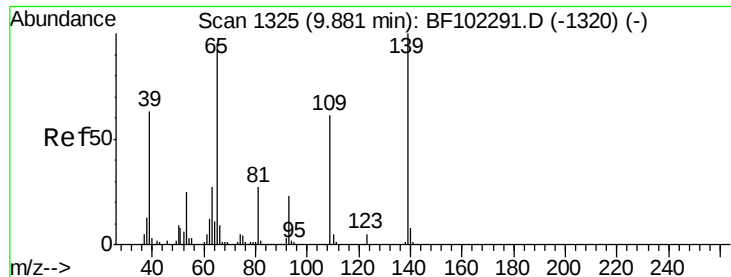
Tot Ion:184 Resp: 3651
Ion Ratio Lower Upper
184 100
63 86.2 54.2 81.2#
154 87.6 184.0 276.0#



#54
Dibenzofuran
Concen: 41.172 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:168 Resp: 617637
Ion Ratio Lower Upper
168 100
139 38.5 30.1 45.1
169 12.9 10.9 16.3

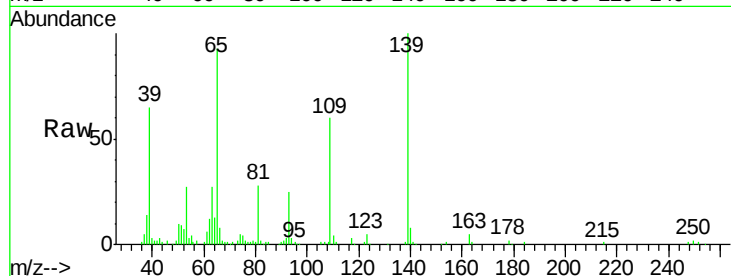




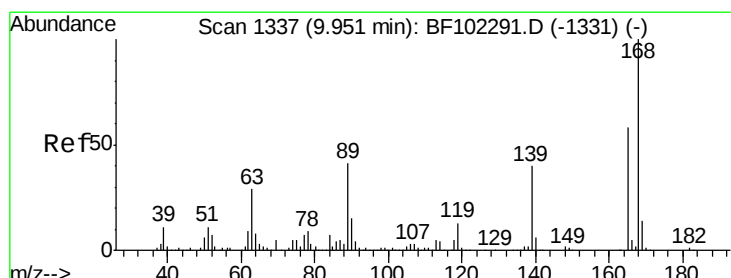
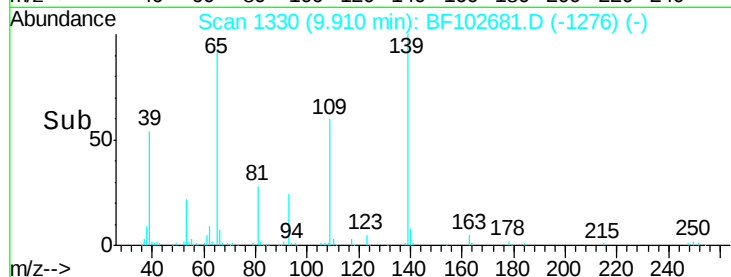
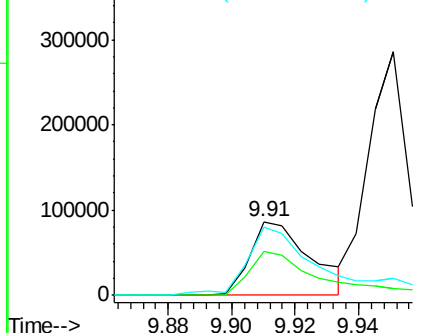
#55
4-Nitrophenol
Concen: 46.891 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion:139 Resp: 114378
Ion Ratio Lower Upper
139 100
109 59.9 48.4 88.4
65 93.2 72.6 112.6

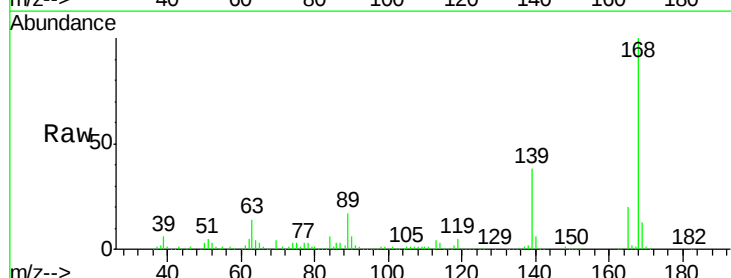


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

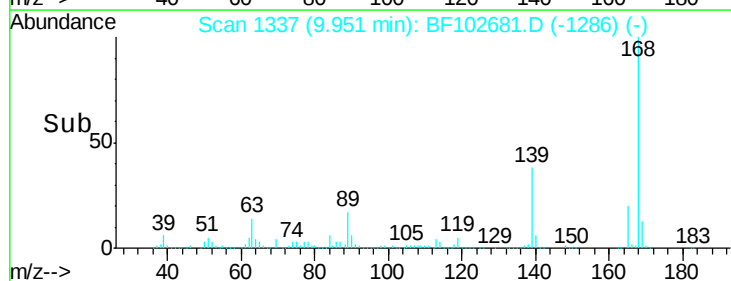
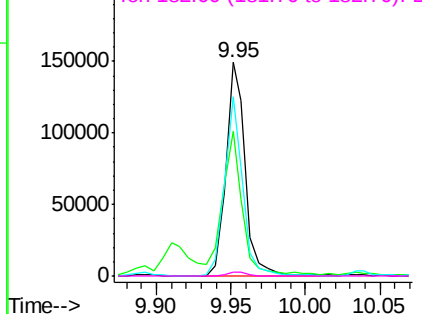


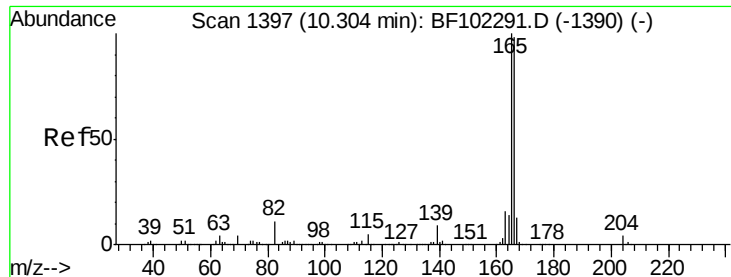
#56
2,4-Dinitrotoluene
Concen: 35.500 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:165 Resp: 136366
Ion Ratio Lower Upper
165 100
63 67.6 36.4 54.6#
89 83.7 57.8 86.6
182 2.1 1.6 2.4



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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 41.273 ng

RT: 10.29 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

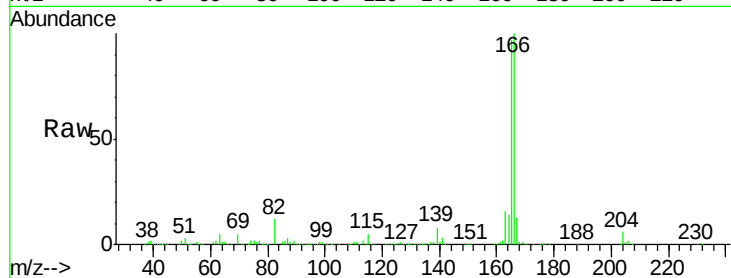
Tot Ion:166 Resp: 490618

Ion Ratio Lower Upper

166 100

165 97.3 79.8 119.8

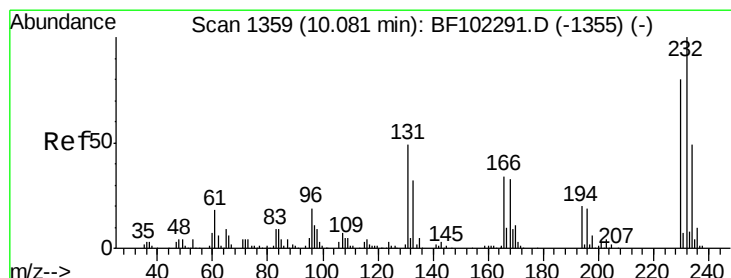
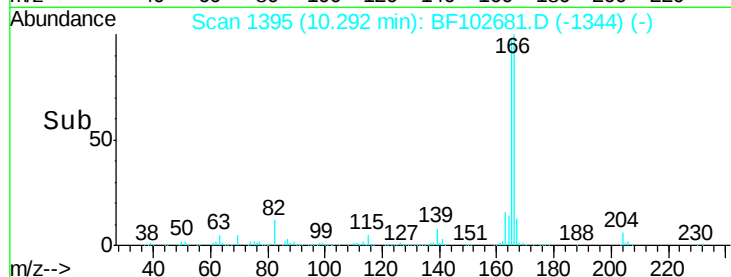
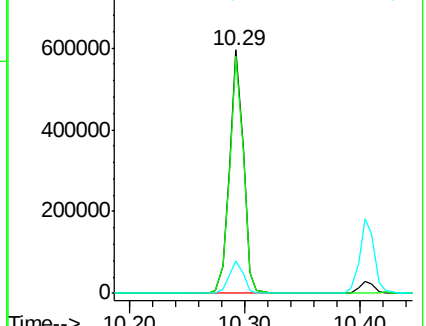
167 13.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 37.603 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Tgt Ion:232 Resp: 106717

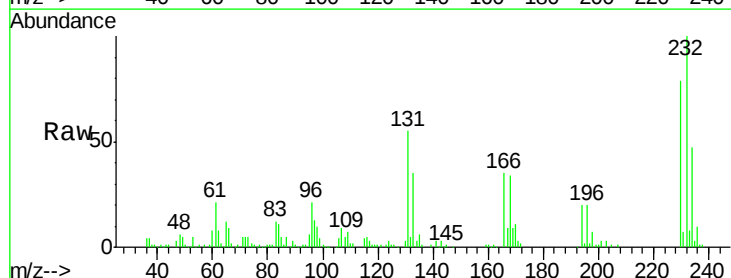
Ion Ratio Lower Upper

232 100

131 52.4 43.8 65.8

130 2.6 2.1 3.1

166 31.5 27.8 41.6

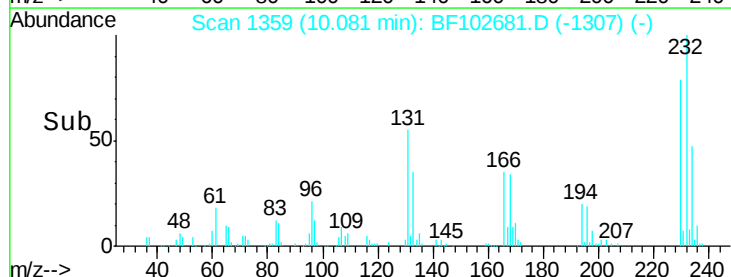
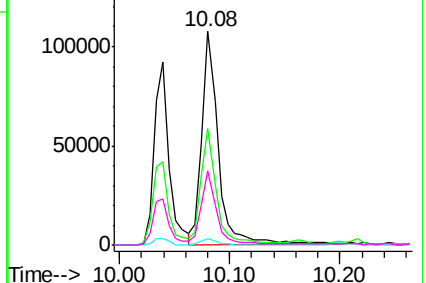


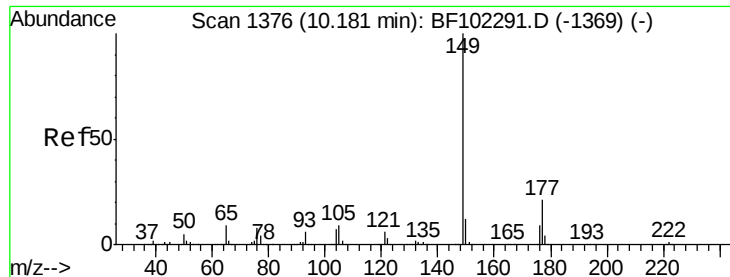
Abundance Ion 232.00 (231.70 to 232.70): E

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

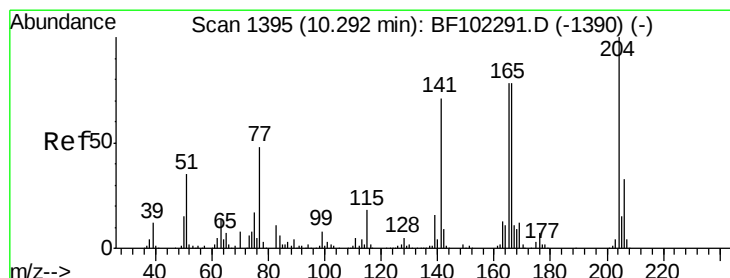
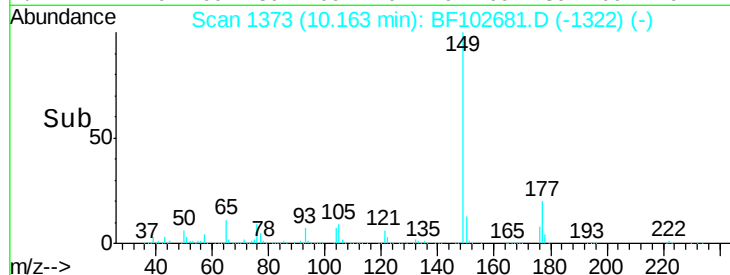
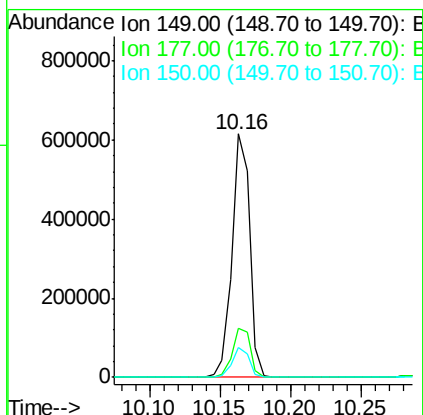
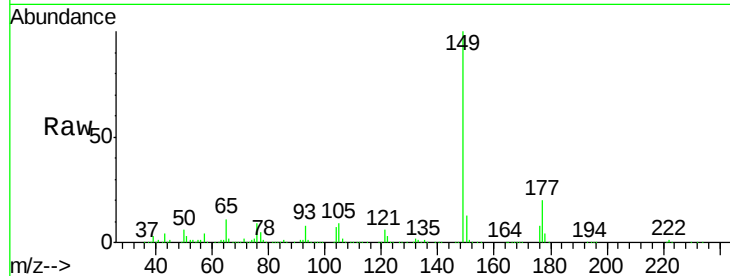




#59
Diethylphthalate
Concen: 38.128 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

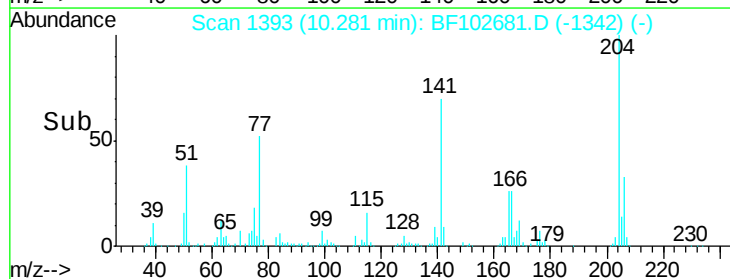
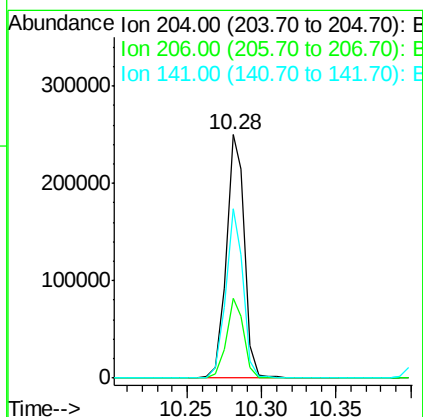
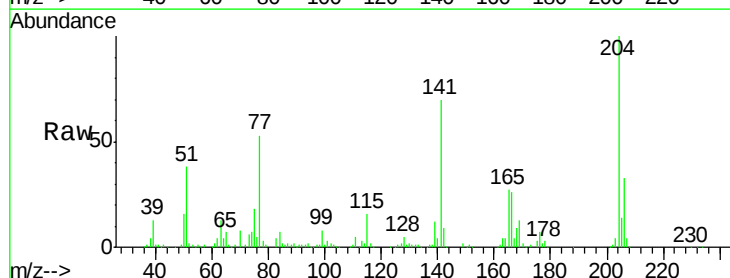
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

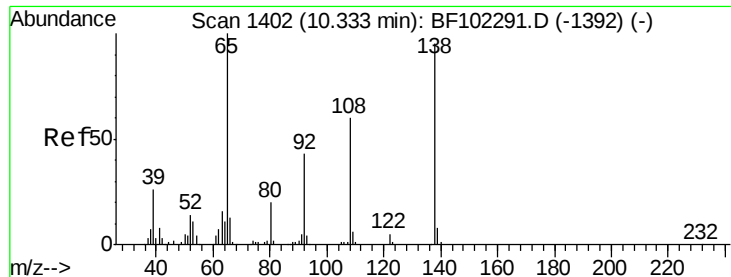
Tot Ion:149 Resp: 536793
Ion Ratio Lower Upper
149 100
177 20.2 16.1 24.1
150 12.5 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 41.932 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:204 Resp: 216111
Ion Ratio Lower Upper
204 100
206 32.5 26.5 39.7
141 69.7 54.6 81.8

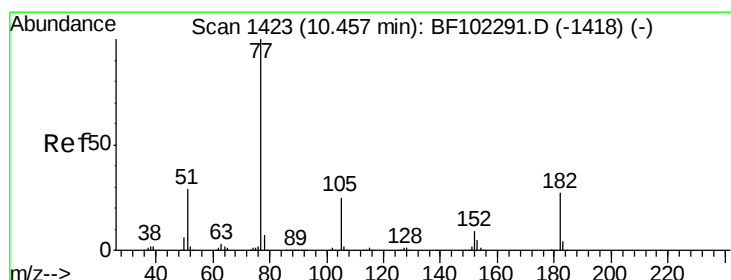
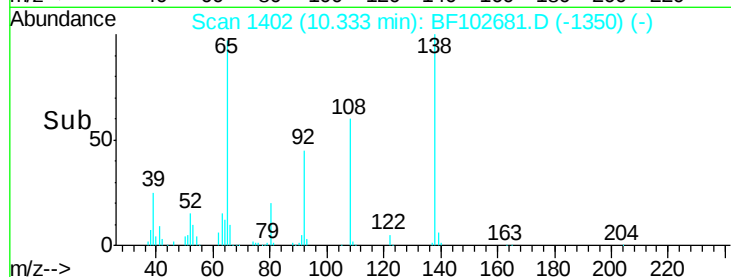
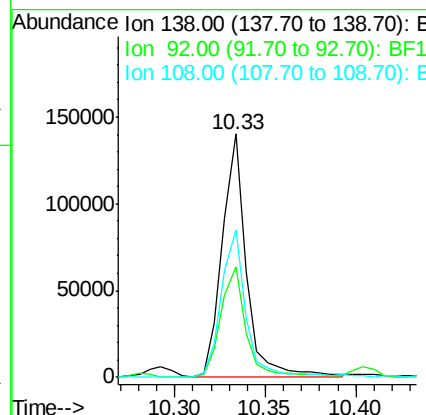
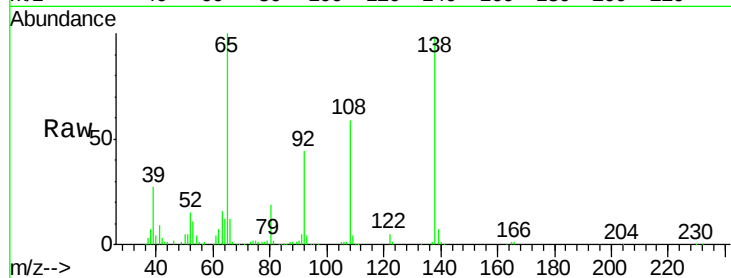




#61
4-Nitroaniline
Concen: 35.664 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

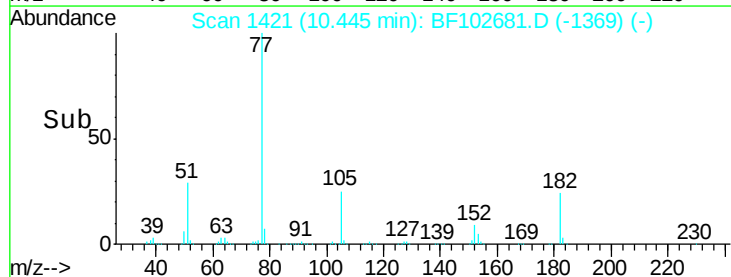
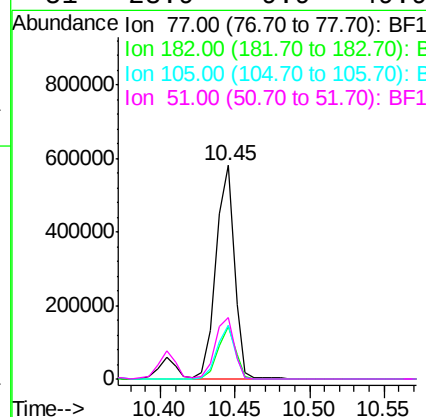
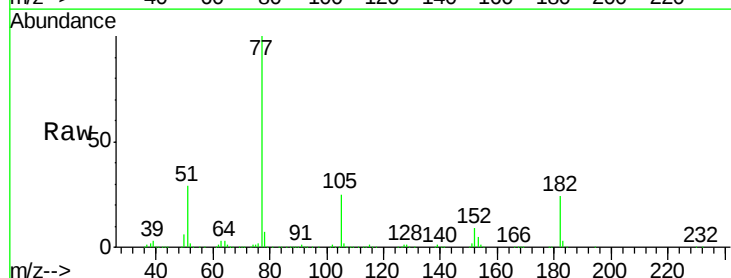
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

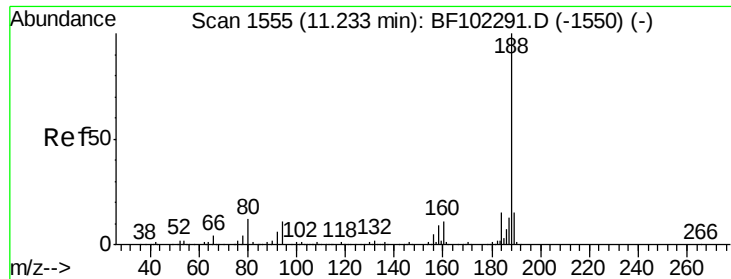
Tot Ion:138 Resp: 131505
Ion Ratio Lower Upper
138 100
92 45.2 30.2 70.2
108 60.7 52.5 92.5



#62
Azobenzene
Concen: 38.365 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion: 77 Resp: 494524
Ion Ratio Lower Upper
77 100
182 24.5 1.7 41.7
105 25.2 3.0 43.0
51 28.9 9.9 49.9

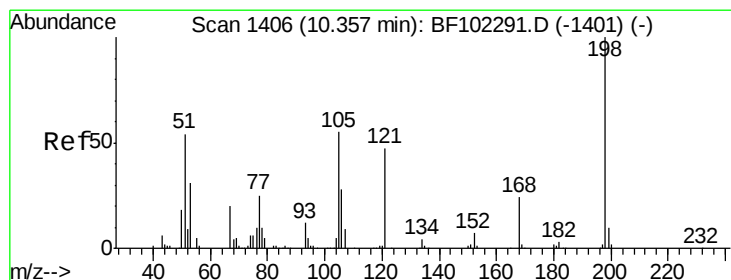
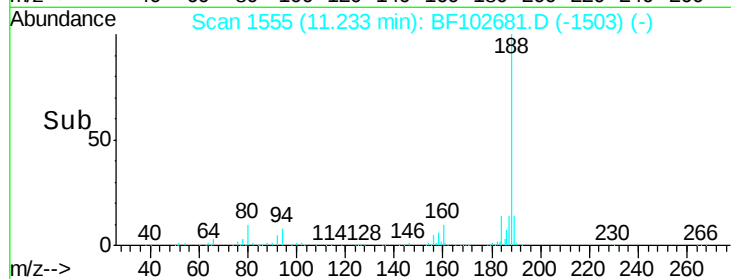
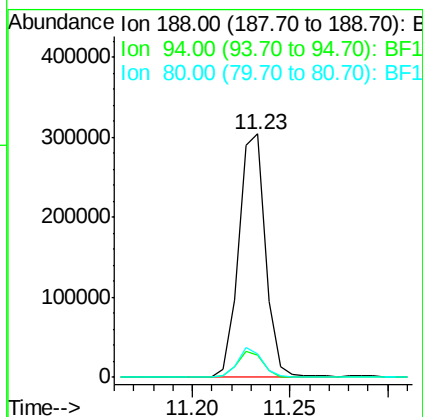
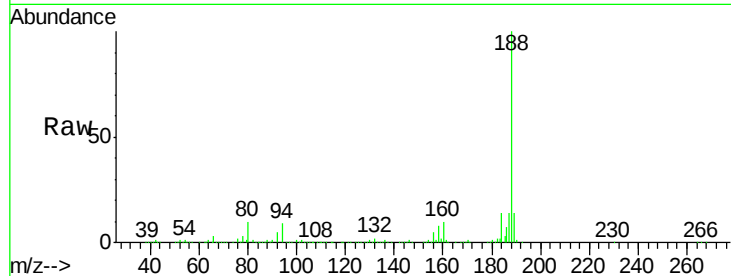




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

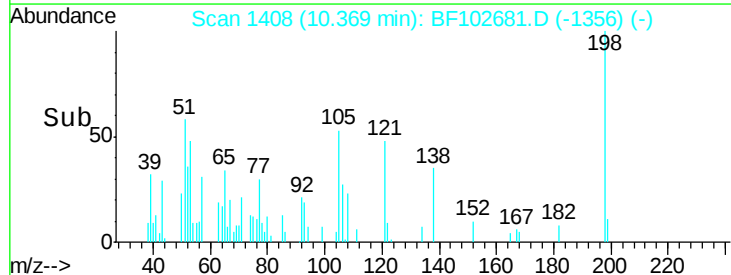
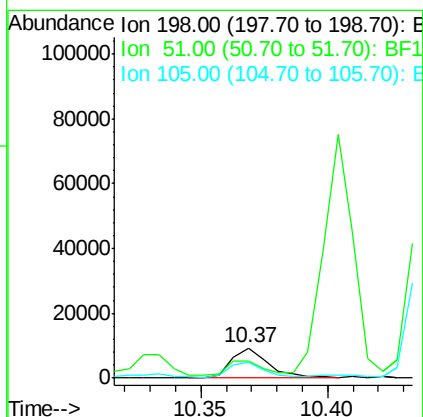
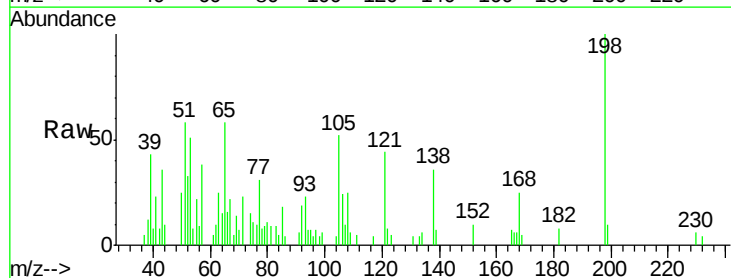
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

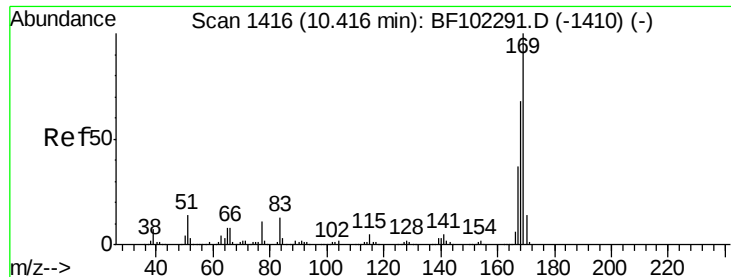
Tot Ion:188 Resp: 288426
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 4.919 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:198 Resp: 9465
Ion Ratio Lower Upper
198 100
51 57.9 37.7 77.7
105 52.2 36.3 76.3

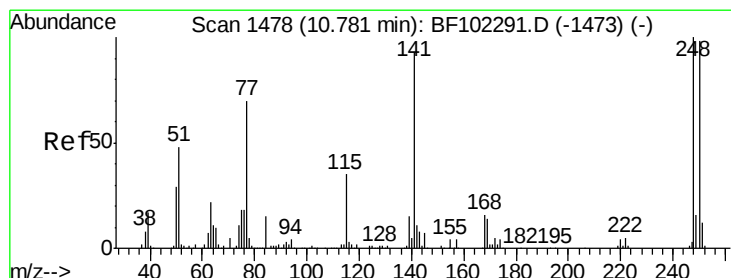
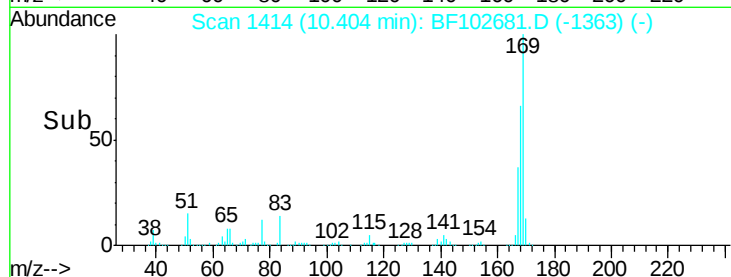
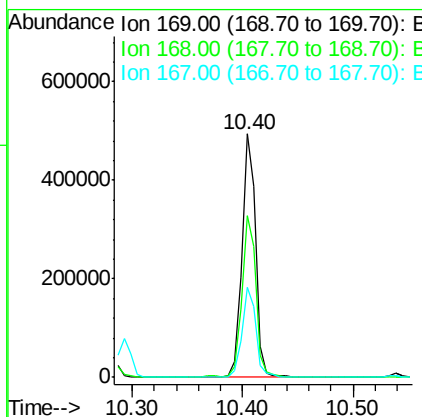
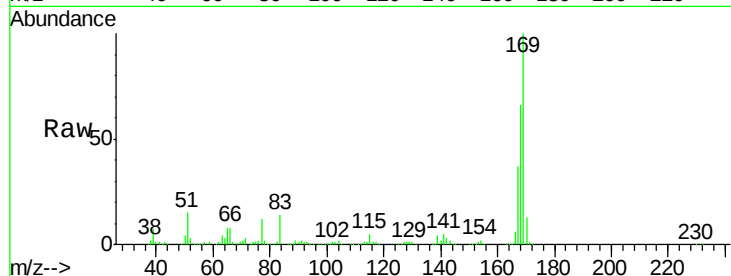




#65
n-Nitrosodiphenylamine
Concen: 40.378 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

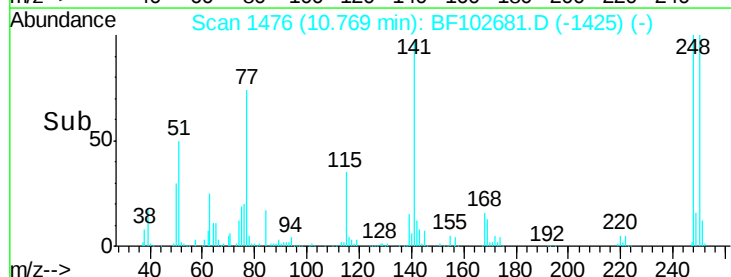
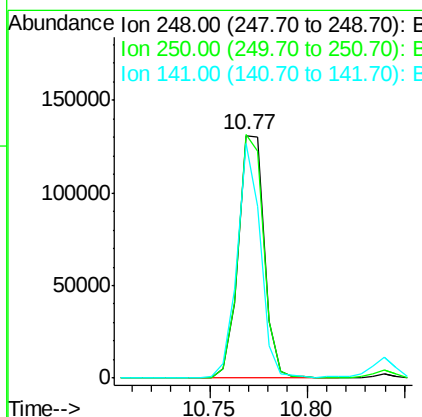
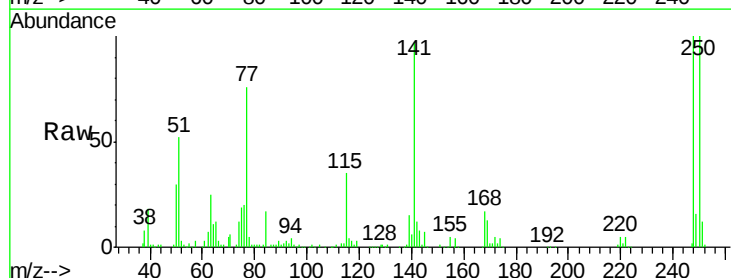
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

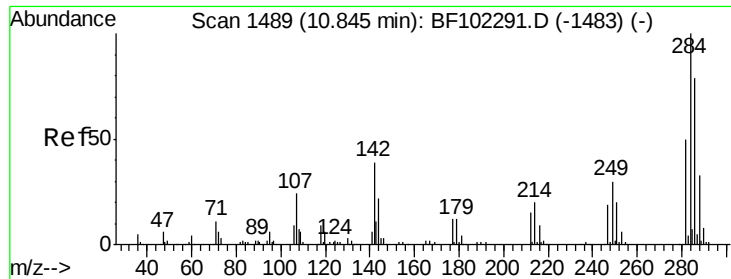
Tot Ion:169 Resp: 427457
Ion Ratio Lower Upper
169 100
168 66.4 54.4 81.6
167 36.7 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 39.131 ng
RT: 10.77 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:248 Resp: 121499
Ion Ratio Lower Upper
248 100
250 100.2 76.9 115.3
141 96.9 74.4 111.6

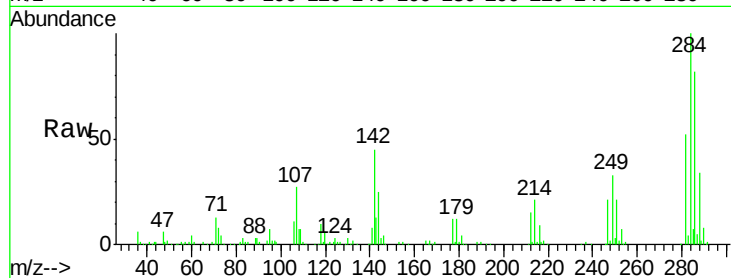




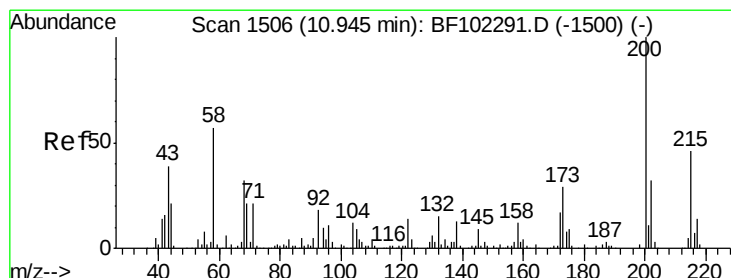
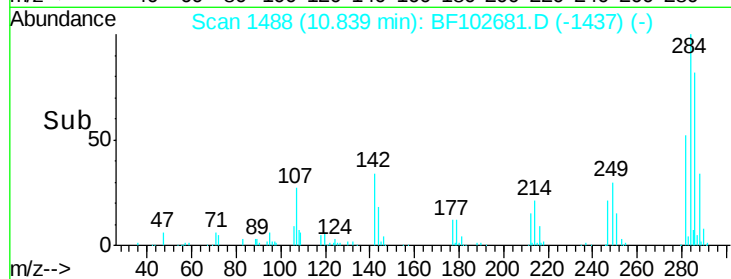
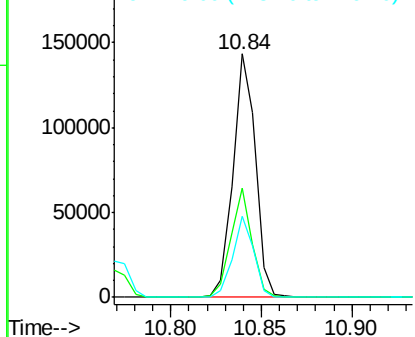
#67
Hexachlorobenzene
Concen: 35.664 ng
RT: 10.84 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

Tot Ion:284 Resp: 123843
Ion Ratio Lower Upper
284 100
142 45.0 34.6 52.0
249 33.2 24.8 37.2

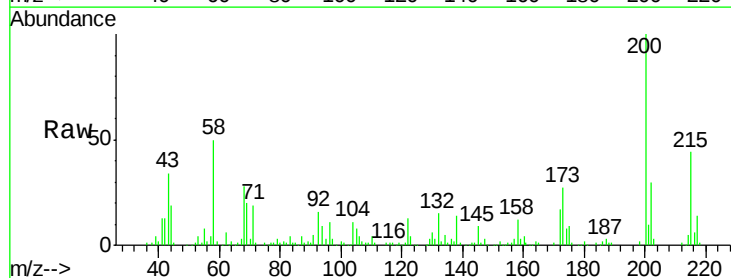


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

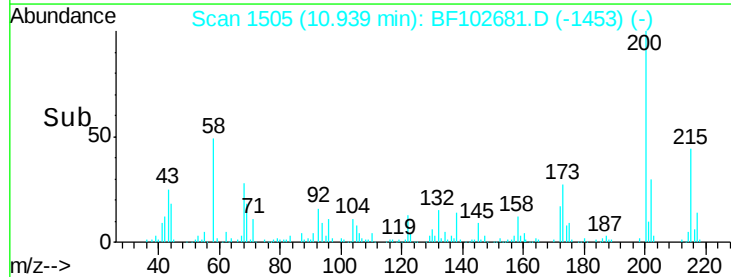
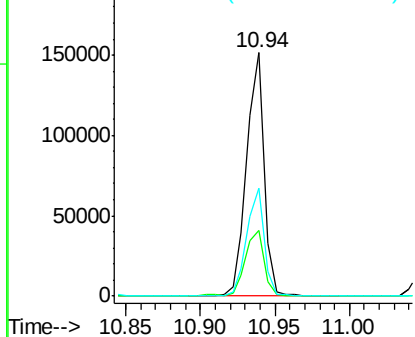


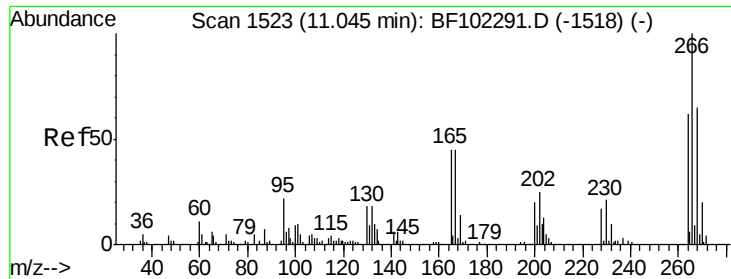
#68
Atrazine
Concen: 39.518 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:200 Resp: 123559
Ion Ratio Lower Upper
200 100
173 27.2 8.6 48.6
215 44.5 25.1 65.1



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

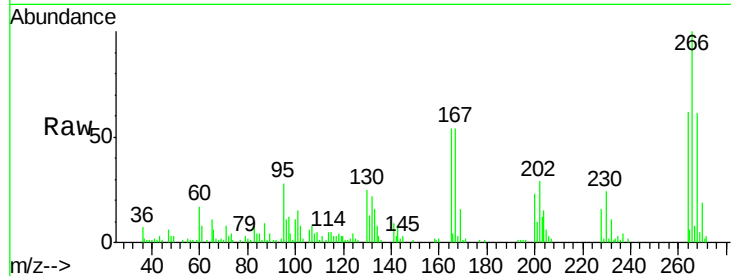




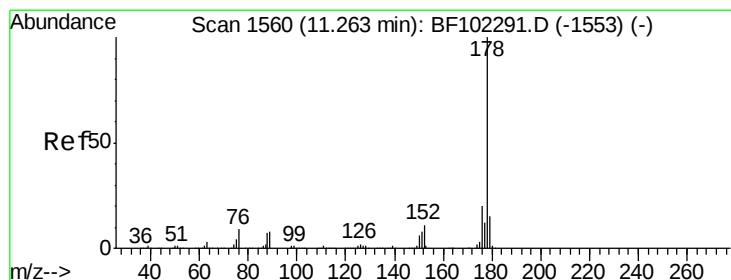
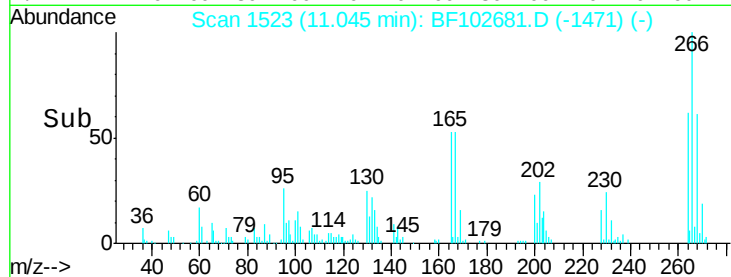
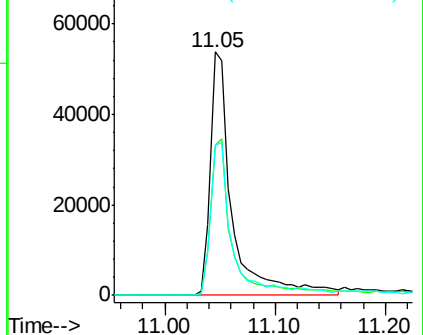
#69
 Pentachlorophenol
 Concen: 40.216 ng
 RT: 11.05 min Scan# 1523
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

Tot Ion:266 Resp: 73359
 Ion Ratio Lower Upper
 266 100
 268 61.4 51.1 76.7
 264 61.5 49.5 74.3

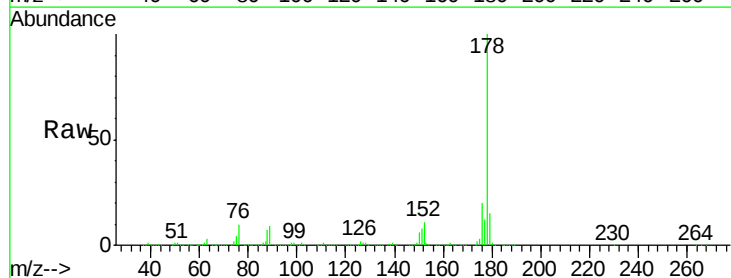


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

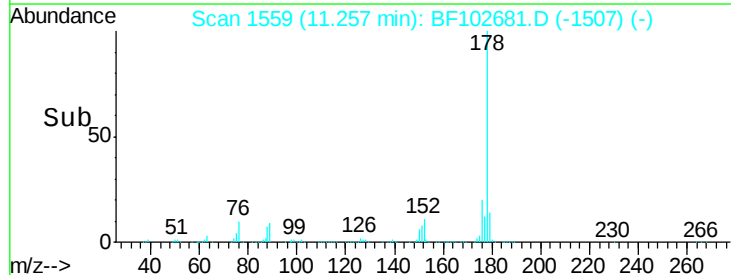
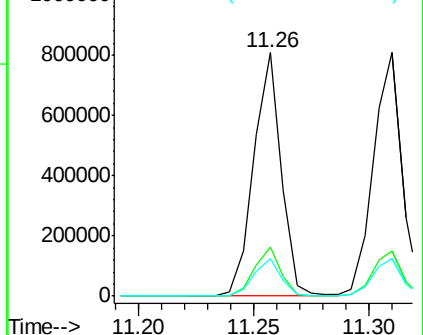


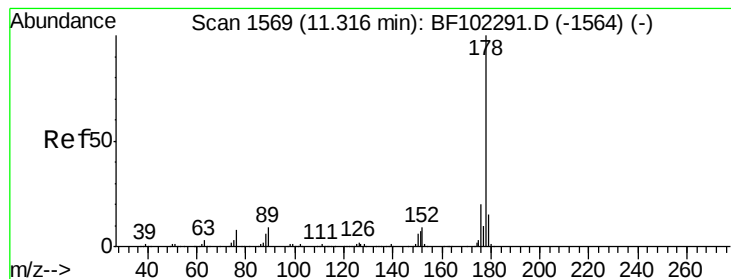
#70
 Phenanthrene
 Concen: 40.087 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion:178 Resp: 673758
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 15.3 13.0 19.6



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





#71

Anthracene

Concen: 41.056 ng

RT: 11.31 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

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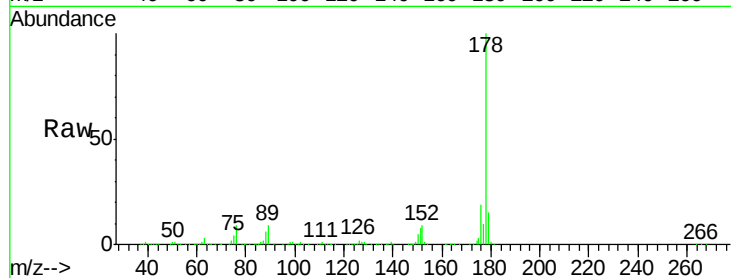
Tot Ion:178 Resp: 704312

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

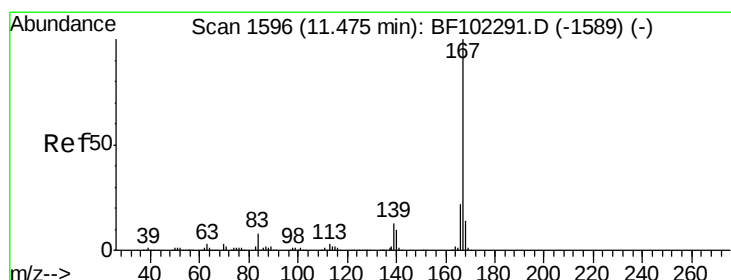
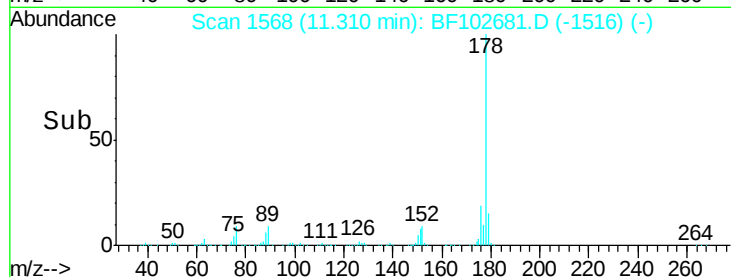
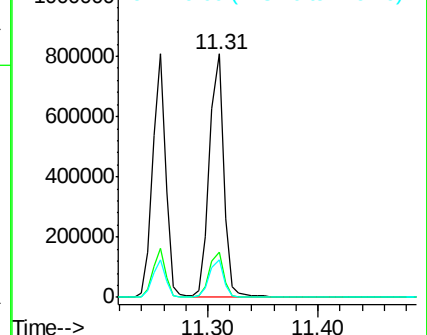
179 15.3 12.6 19.0



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

Carbazole

Concen: 41.198 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

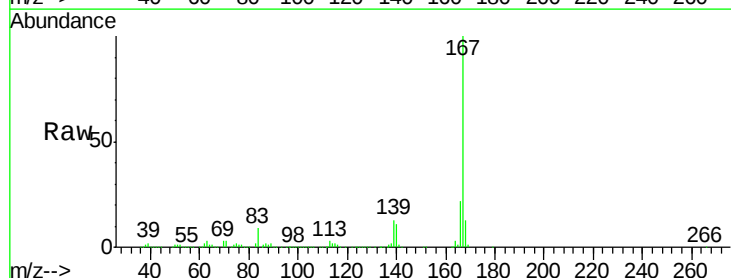
Tgt Ion:167 Resp: 689487

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

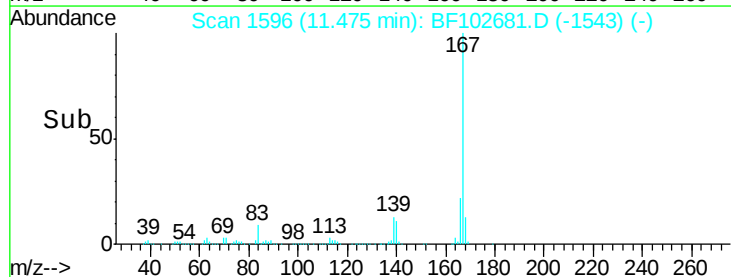
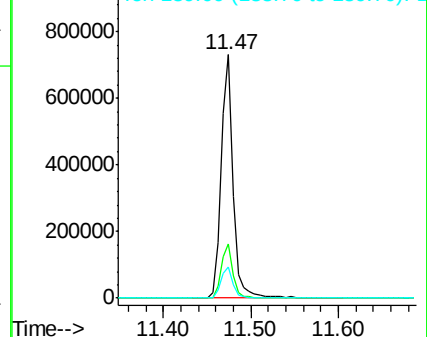
139 13.0 10.9 16.3

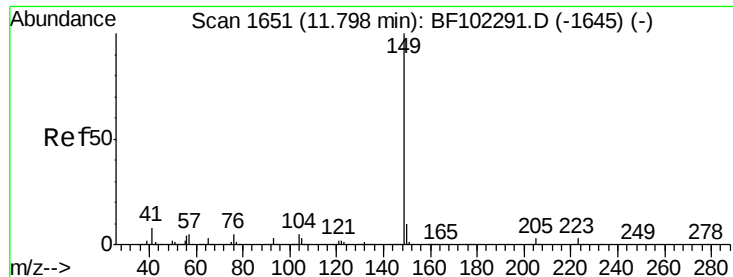


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

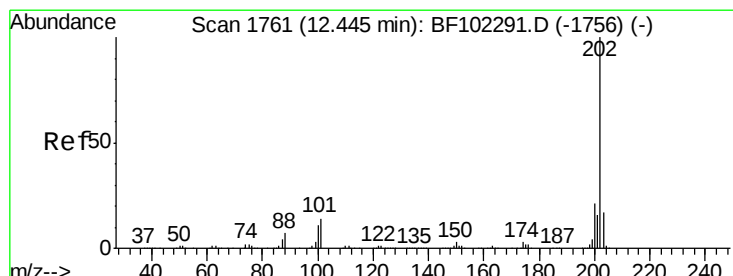
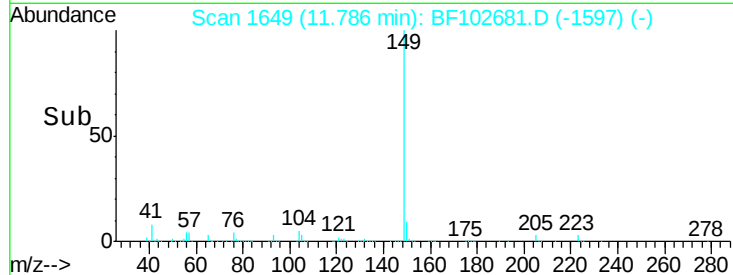
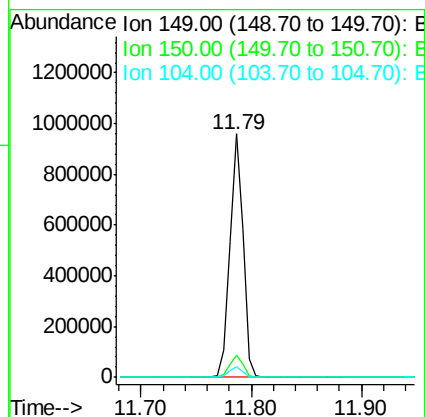
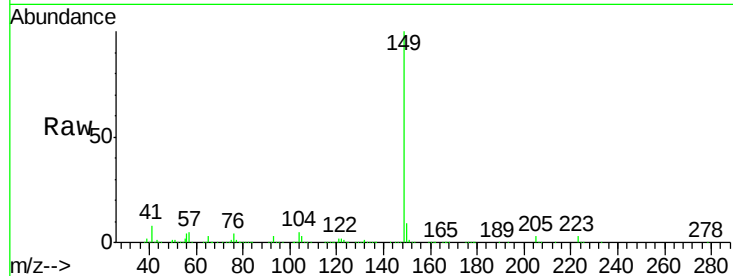




#73
Di-n-butylphthalate
Concen: 38.576 ng
RT: 11.79 min Scan# 1649
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

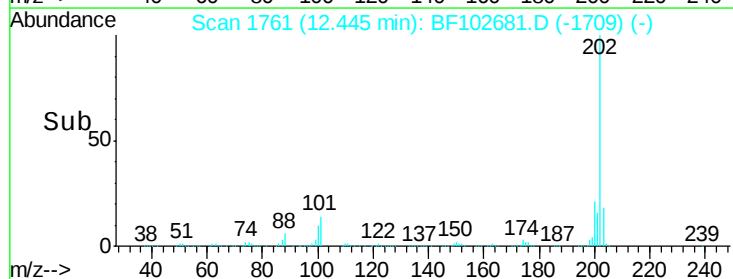
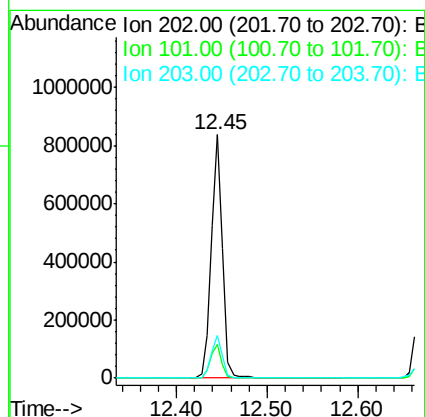
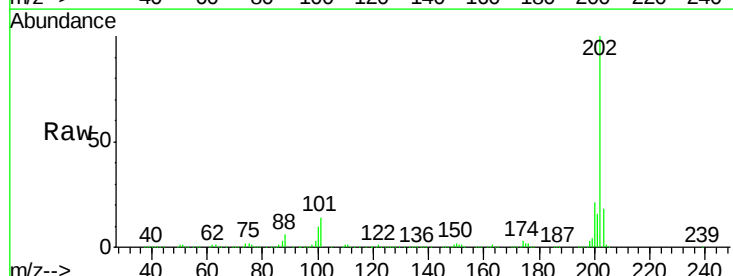
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

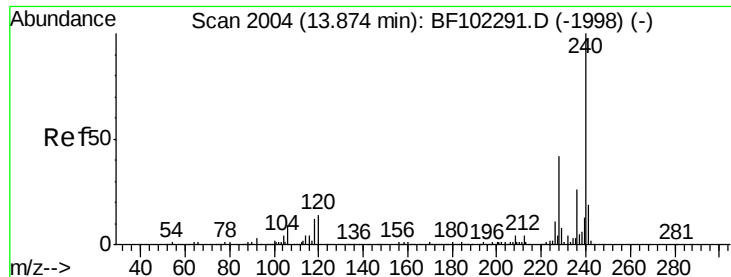
Tot Ion:149 Resp: 806997
Ion Ratio Lower Upper
149 100
150 9.3 7.8 11.6
104 4.6 3.8 5.8



#74
Fluoranthene
Concen: 42.643 ng
RT: 12.45 min Scan# 1761
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:202 Resp: 730863
Ion Ratio Lower Upper
202 100
101 13.8 0.0 34.1
203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

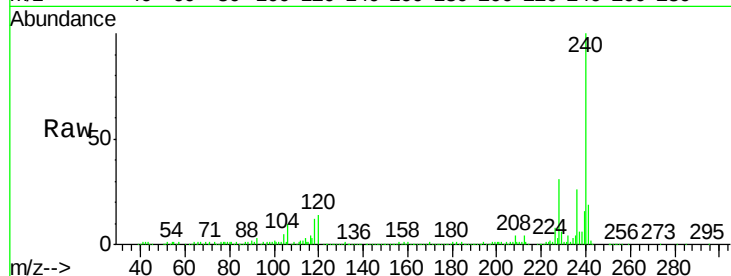
Tot Ion:240 Resp: 260327

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

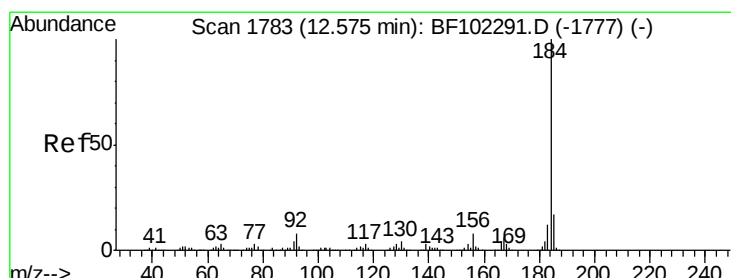
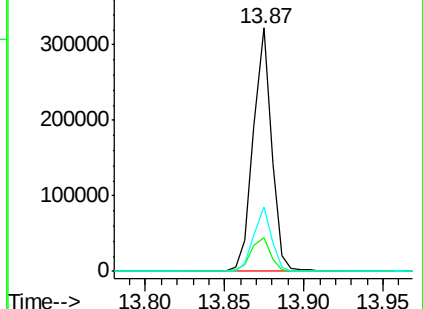
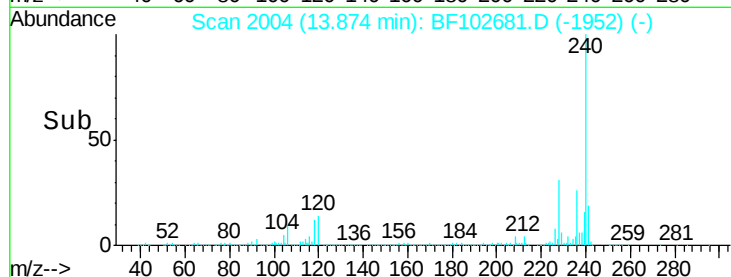
236 26.4 20.7 31.1



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



#76

Benzidine

Concen: 48.888 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

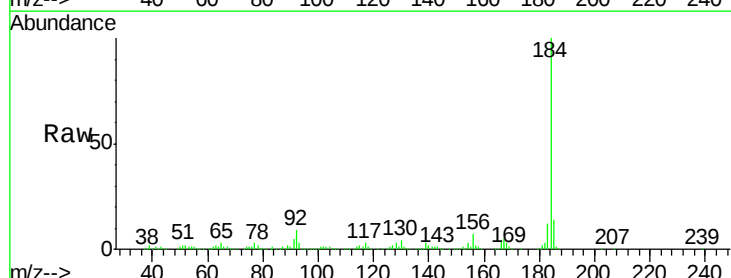
Tgt Ion:184 Resp: 427545

Ion Ratio Lower Upper

184 100

185 13.5 12.6 18.8

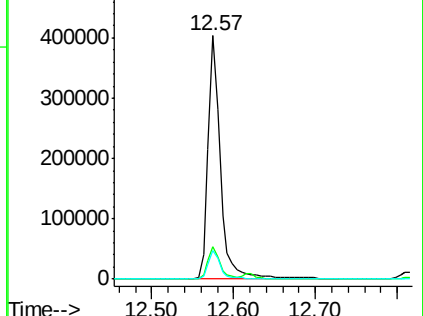
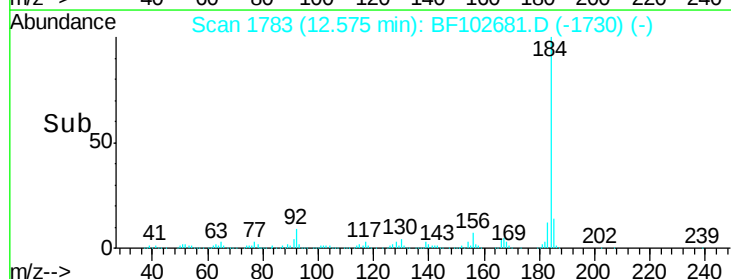
183 11.7 9.3 13.9

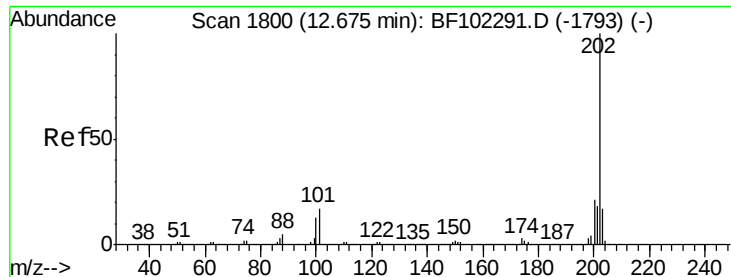


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 37.298 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

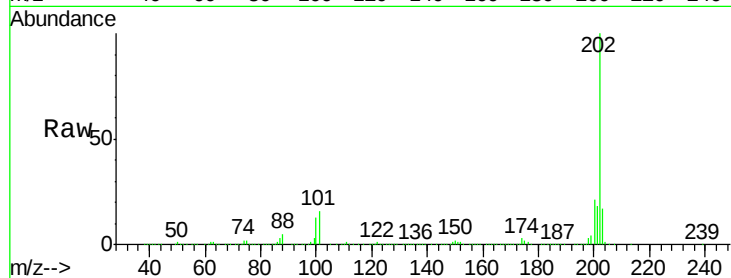
Tot Ion:202 Resp: 750714

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

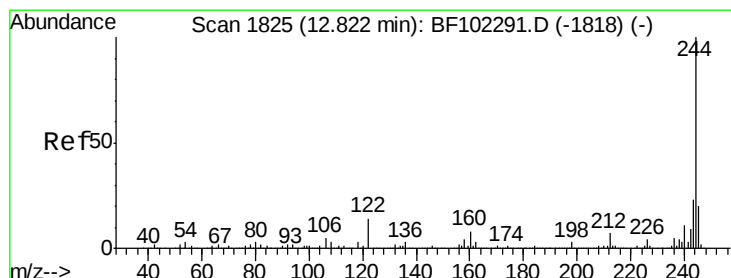
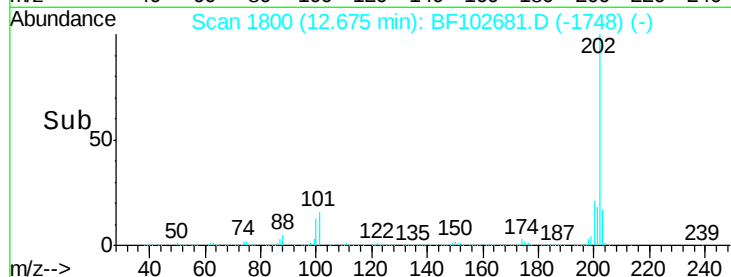
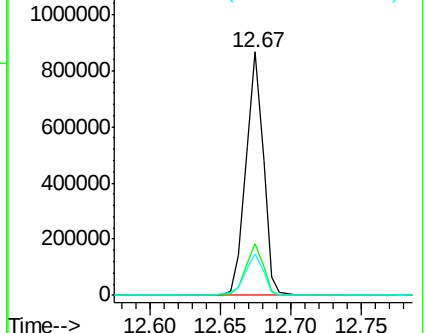
203 17.2 14.3 21.5



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



#78

Terphenyl-d14

Concen: 77.833 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

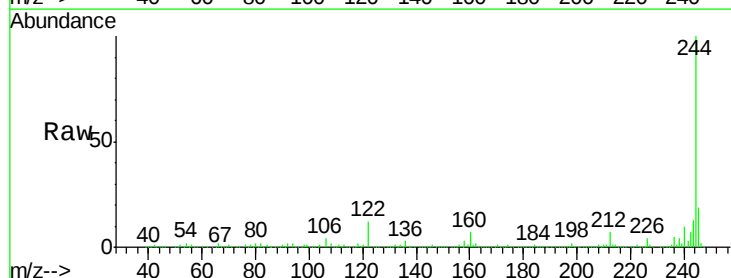
Tgt Ion:244 Resp: 898791

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

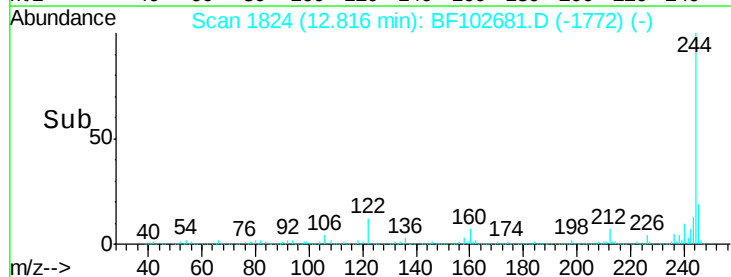
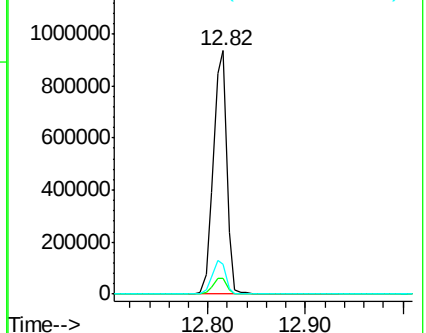
122 12.3 11.0 16.4

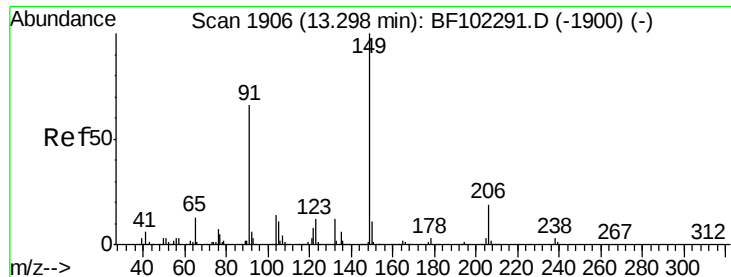


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 37.480 ng

RT: 13.29 min Scan# 1904

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

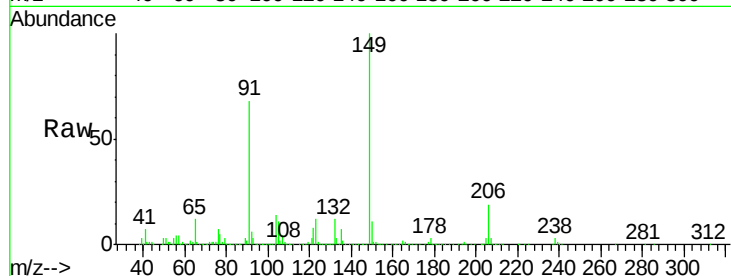
Tot Ion:149 Resp: 375424

Ion Ratio Lower Upper

149 100

91 68.3 56.8 85.2

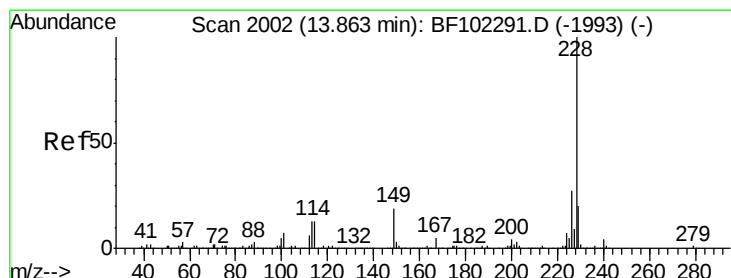
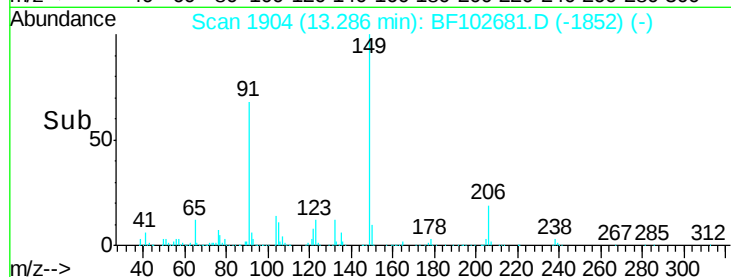
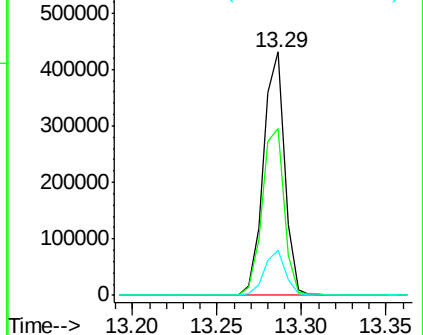
206 18.7 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 41.460 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

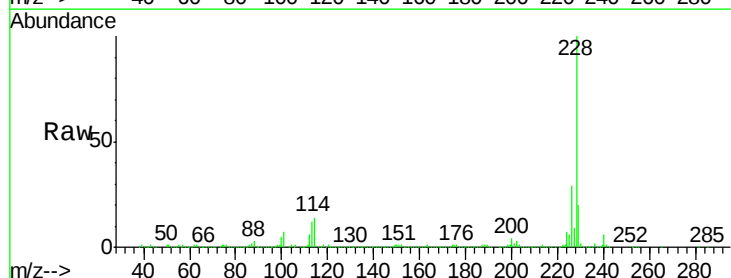
Tgt Ion:228 Resp: 664501

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

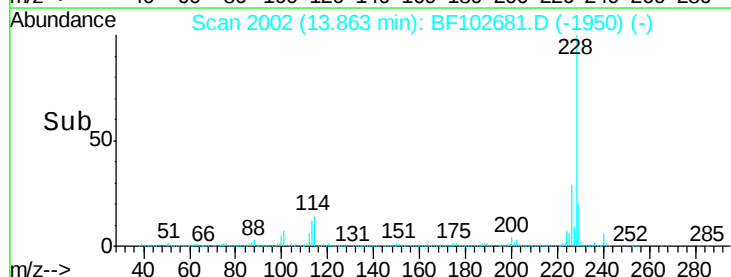
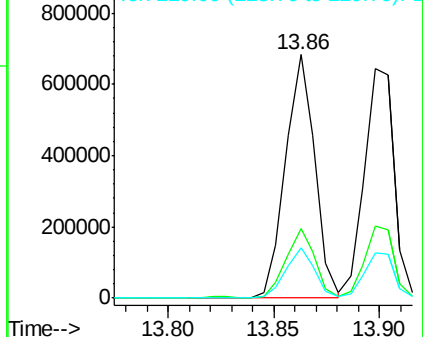
229 20.4 15.8 23.6

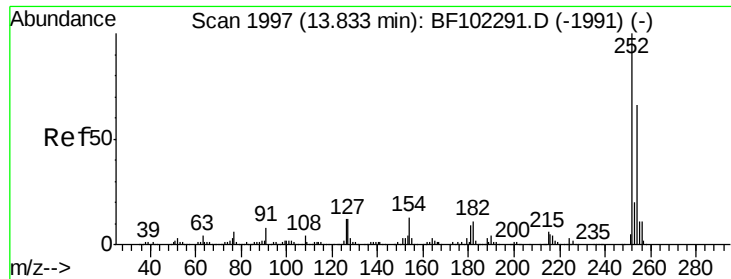


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

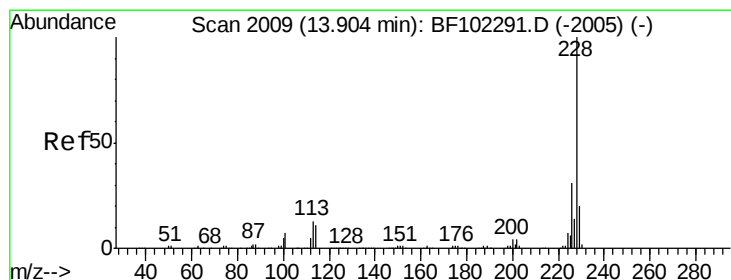
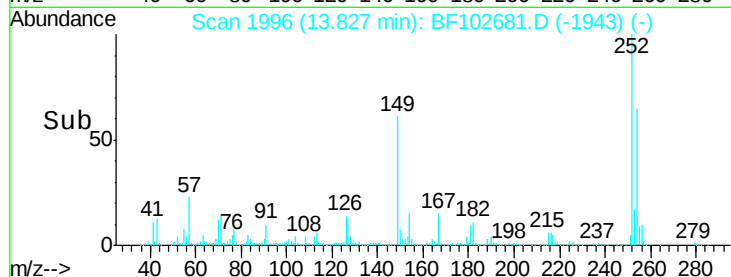
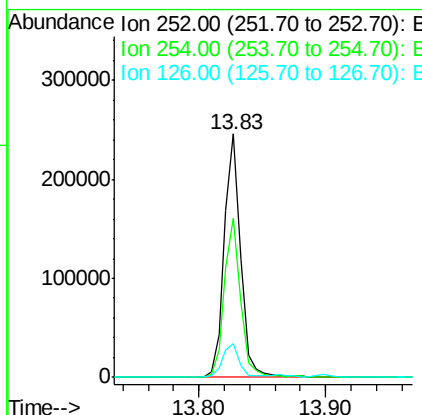
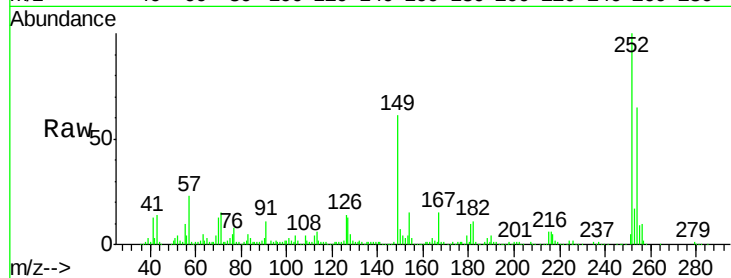




#81
 3,3'-Dichlorobenzidine
 Concen: 37.866 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

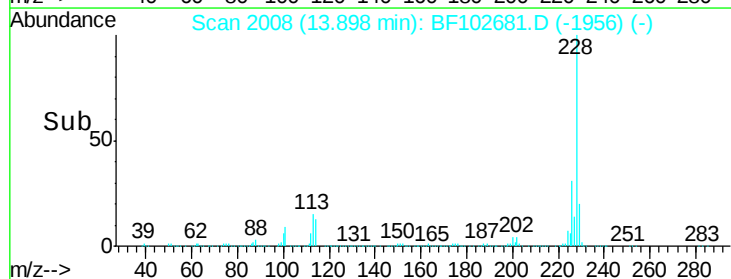
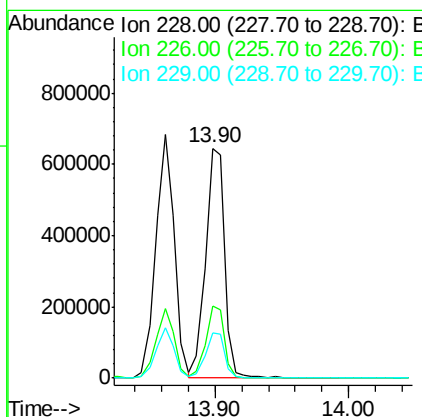
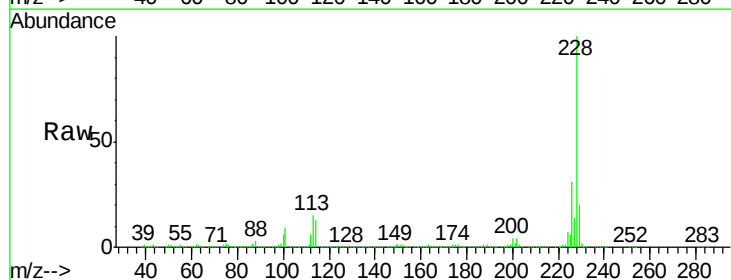
Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

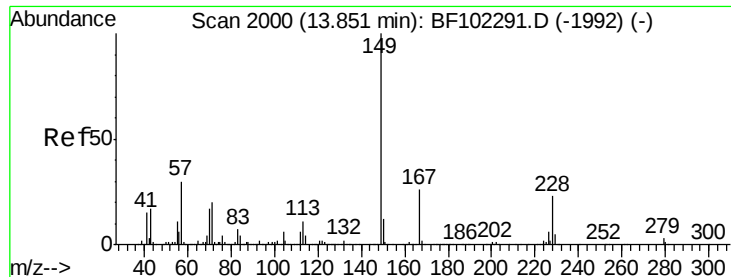
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.3	50.4	75.6
126	14.0	11.3	16.9



#82
 Chrysene
 Concen: 39.330 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	19.9	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 38.538 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

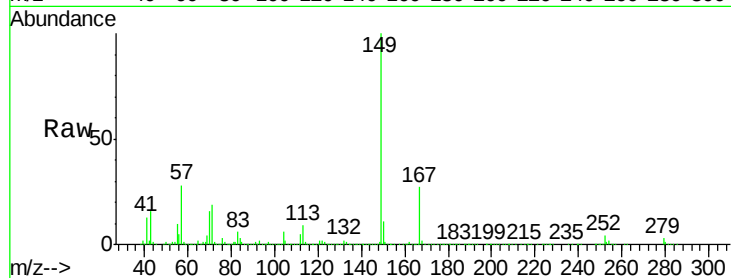
Tot Ion:149 Resp: 518769

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

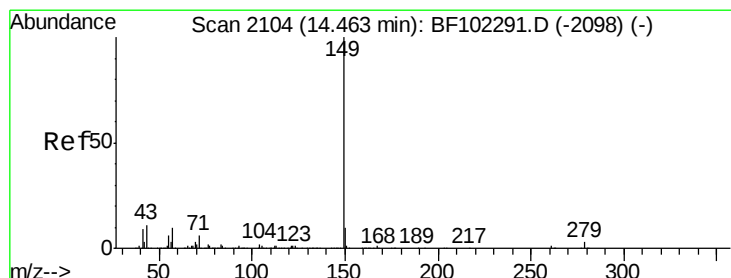
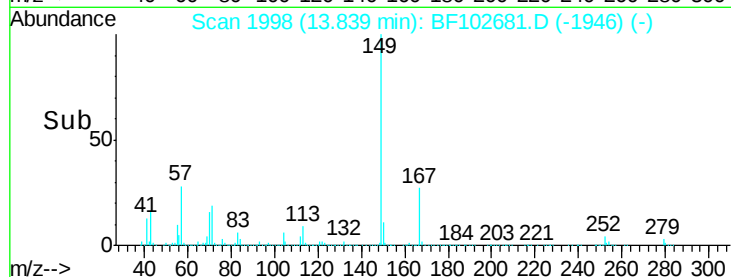
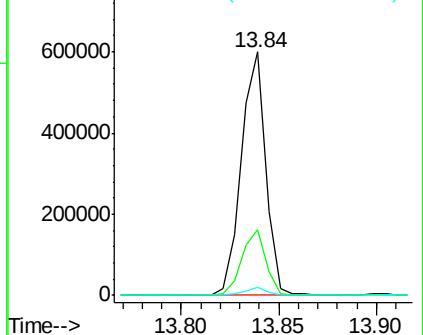
279 3.2 3.0 4.4



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



#84

Di-n-octyl phthalate

Concen: 42.773 ng

RT: 14.45 min Scan# 2102

Delta R.T. 0.01 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

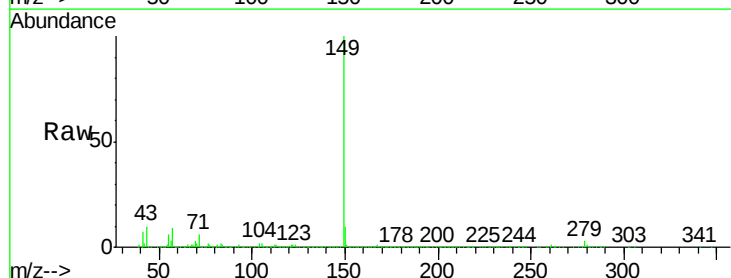
Tgt Ion:149 Resp: 936349

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

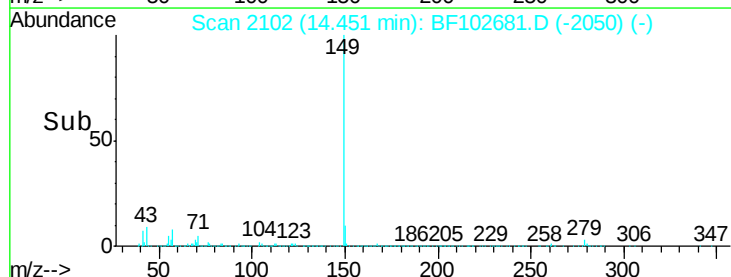
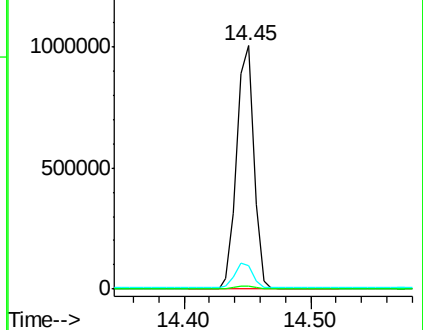
43 10.5 8.4 12.6

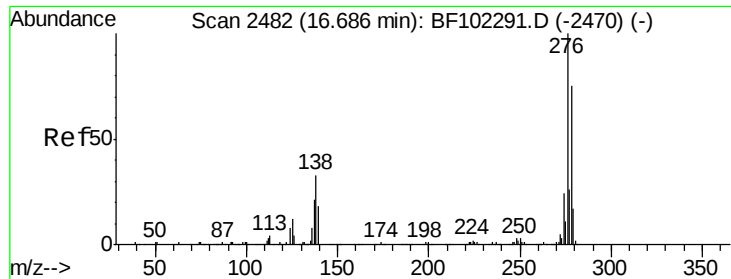


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

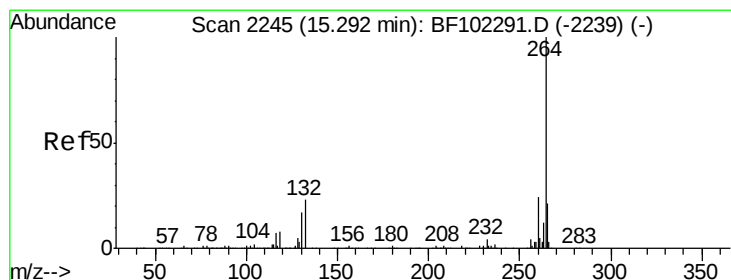
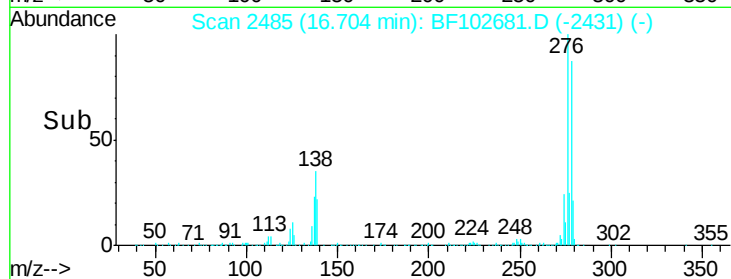
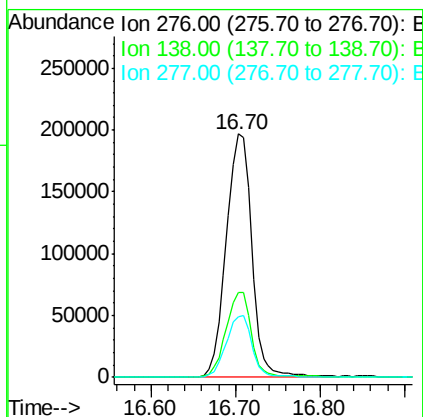
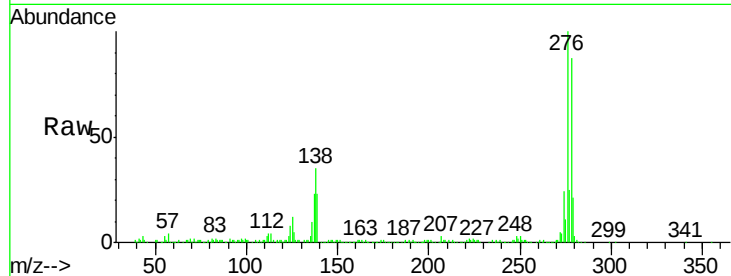




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 30.738 ng
 RT: 16.70 min Scan# 2485
 Delta R.T. 0.02 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

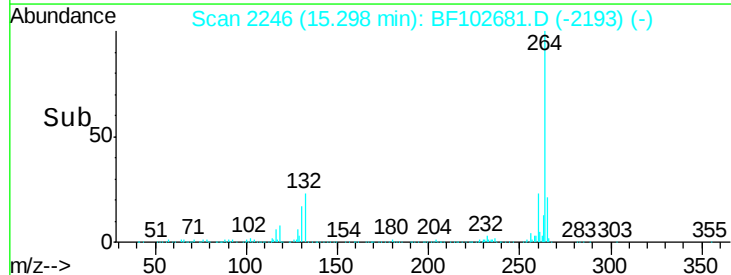
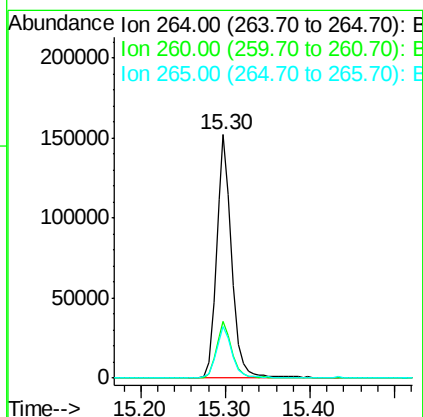
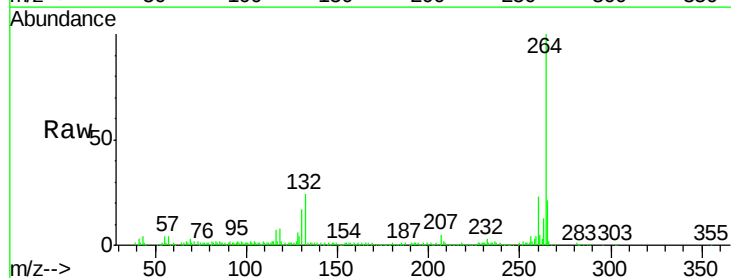
Instrument :
 BNA_F
 ClientSampleId :
 EPE-106-5(120-122)MSD

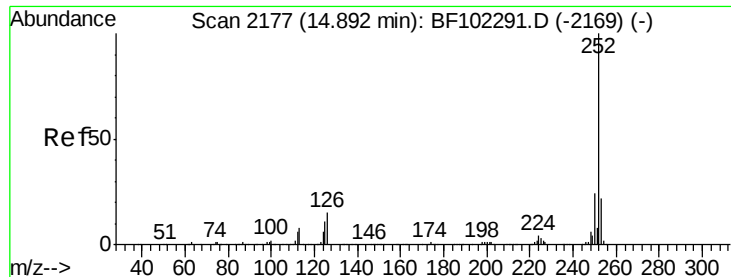
Tot Ion:276 Resp: 413163
 Ion Ratio Lower Upper
 276 100
 138 34.4 25.0 37.6
 277 25.5 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102681.D
 Acq: 1 Feb 2018 3:17

Tgt Ion:264 Resp: 192574
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.0 17.5 26.3

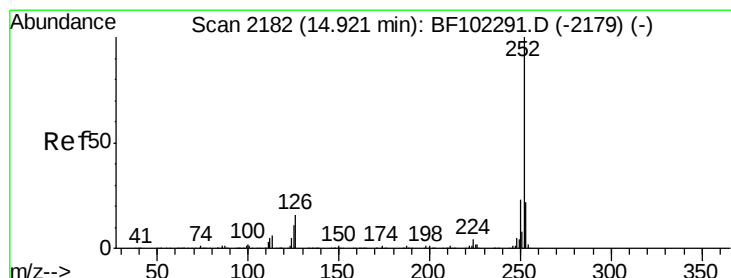
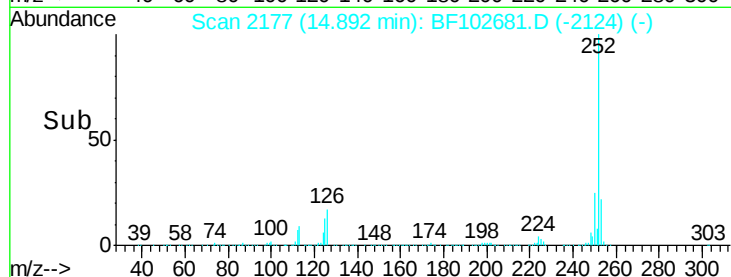
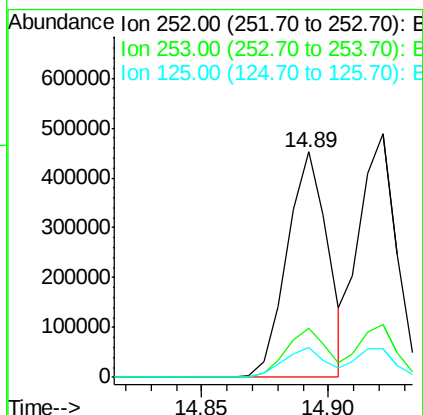
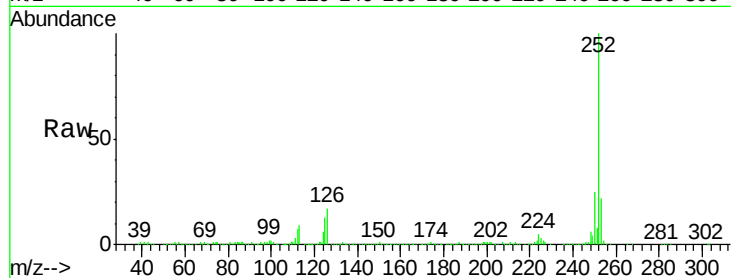




#87
Benzo(b)fluoranthene
Concen: 40.494 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

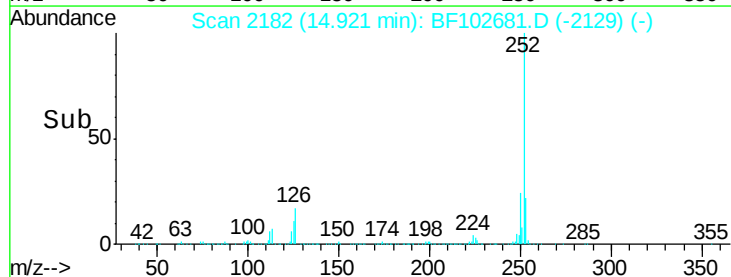
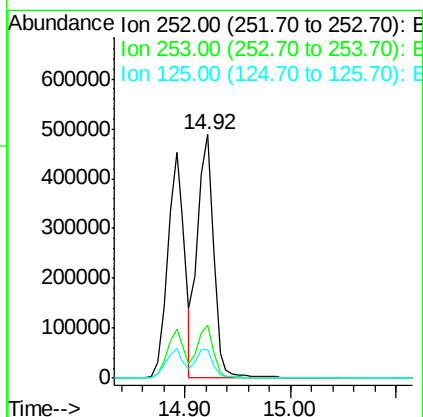
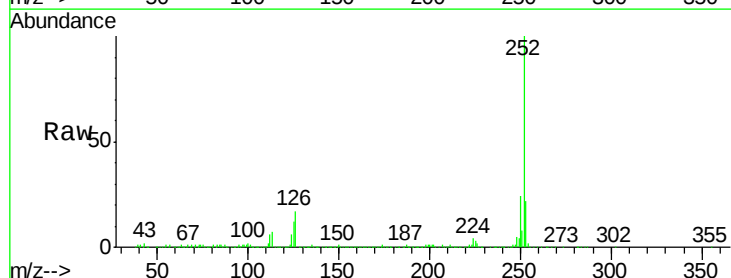
Instrument :
BNA_F
ClientSampleId :
EPE-106-5(120-122)MSD

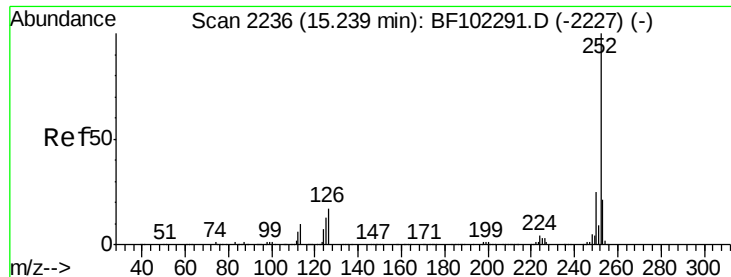
Tot Ion:252 Resp: 505436
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 13.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 43.498 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF102681.D
Acq: 1 Feb 2018 3:17

Tgt Ion:252 Resp: 512943
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 11.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 40.181 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

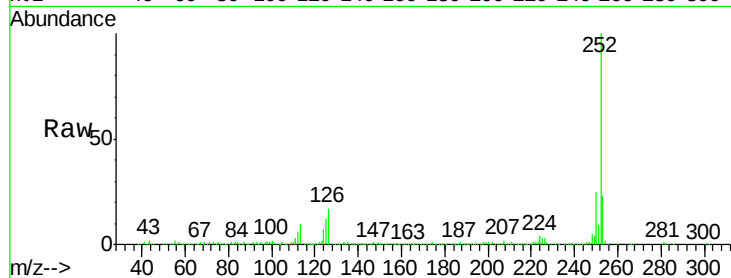
Tot Ion:252 Resp: 452319

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

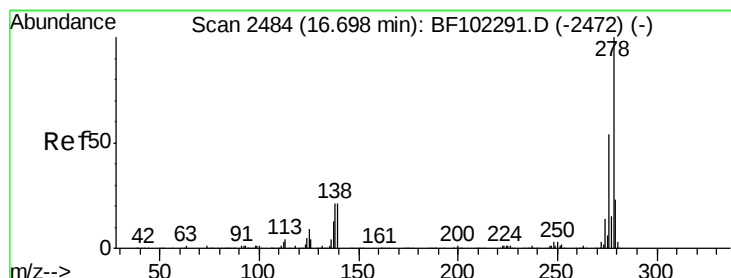
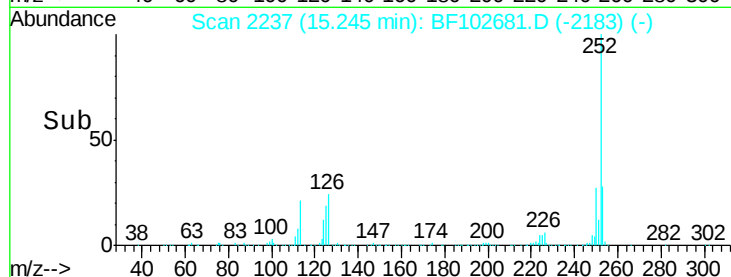
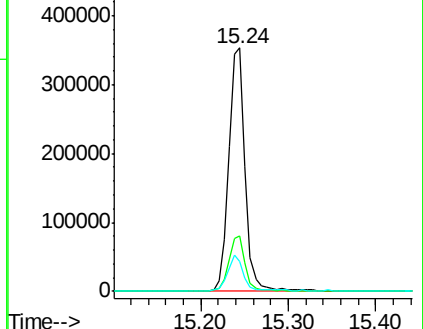
125 12.2 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 37.924 ng

RT: 16.71 min Scan# 2486

Delta R.T. 0.02 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

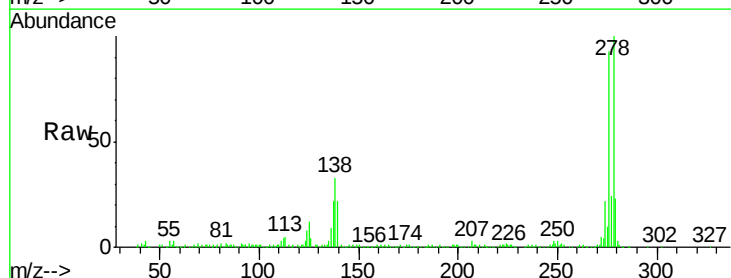
Tgt Ion:278 Resp: 345824

Ion Ratio Lower Upper

278 100

139 22.3 15.9 23.9

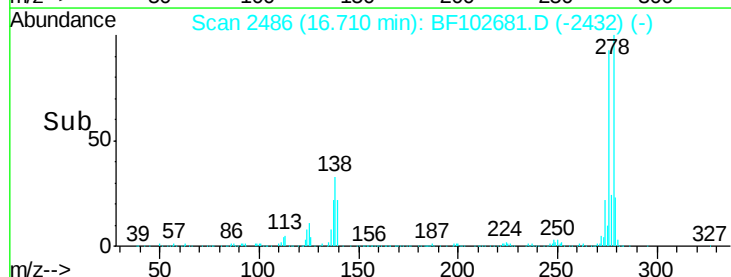
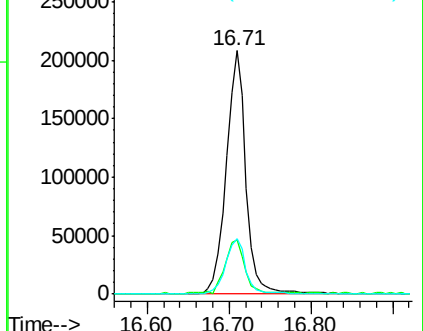
279 22.7 19.0 28.4

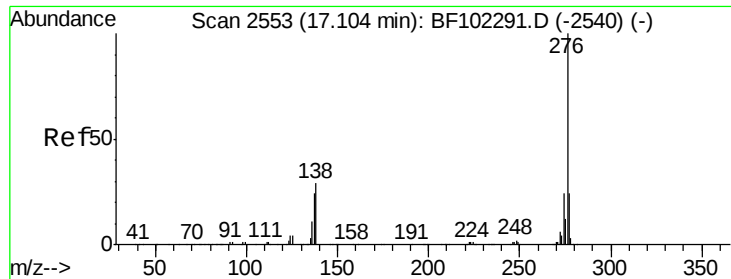


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.033 ng

RT: 17.13 min Scan# 2557

Delta R.T. 0.02 min

Lab File: BF102681.D

Acq: 1 Feb 2018 3:17

Instrument :

BNA_F

ClientSampleId :

EPE-106-5(120-122)MSD

Tot Ion: 276 Resp: 342442

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 28.9 21.8 32.8

