

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102783.D
 Acq On : 6 Feb 2018 14:51
 Operator : SJ/JU
 Sample : J1454-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 06 16:51:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	133957	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	689984	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	292060	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	415685	20.00	ng	0.00
75) Chrysene-d12	14.06	240	248313	20.00	ng	0.01
86) Perylene-d12	15.57	264	234649	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1321186	149.78	ng	0.01
7) Phenol-d6	6.52	99	1459256	137.40	ng	0.01
23) Nitrobenzene-d5	7.45	82	917373	92.23	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	238385	101.41	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1326910	75.39	ng	0.00
78) Terphenyl-d14	13.00	244	834636	79.59	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.43	77	37369	4.738	ng	# 16
10) Phenol	6.52	94	41376	3.635	ng	# 30
15) Benzyl Alcohol	7.06	79	24927	3.053	ng	# 44
18) Hexachloroethane	7.43	117	120178	33.456	ng	# 1
19) n-Nitroso-di-n-propylamine	7.33	70	209060	29.855	ng	# 63
22) Acetophenone	7.29	105	70772	4.192	ng	# 38
24) Nitrobenzene	7.46	77	41149	3.449	ng	# 56
25) Isophorone	7.70	82	205702	8.981	ng	# 1
26) 2-Nitrophenol	7.79	139	29576	13.708	ng	# 1
27) 2,4-Dimethylphenol	7.83	122	31764	3.283	ng	# 47
31) Naphthalene	8.19	128	202894	6.019	ng	# 88
32) Benzoic acid	7.96	122	19387	11.259	ng	# 32
35) Caprolactam	8.62	113	8575	2.807	ng	# 1
37) 2-Methylnaphthalene	8.88	142	194717	8.822	ng	100
47) 2-Nitroaniline	9.45	65	2703	3.892	ng	# 58
49) Dimethylphthalate	9.63	163	164870	7.240	ng	# 93
51) Acenaphthene	9.96	154	241385	13.419	ng	99
53) 2,4-Dinitrophenol	9.95	184	342	8.373	ng	# 1
54) Dibenzofuran	10.13	168	190107	7.499	ng	# 90
55) 4-Nitrophenol	10.03	139	14533	7.174	ng	# 1
56) 2,4-Dinitrotoluene	10.08	165	9251	4.566	ng	# 56
57) Fluorene	10.47	166	320337	17.368	ng	99
64) 4,6-Dinitro-2-methylphenol	10.54	198	1422	9.552	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	88324	6.024	ng	# 50
70) Phenanthrene	11.45	178	2259687	97.607	ng	99
71) Anthracene	11.49	178	569125	24.170	ng	99
72) Carbazole	11.64	167	337054	14.611	ng	97
73) Di-n-butylphthalate	11.97	149	115699	4.129	ng	97
74) Fluoranthene	12.65	202	2552635	109.590	ng	100
77) Pyrene	12.87	202	2174415	111.671	ng	99
80) Benzo(a)anthracene	14.06	228	1015080	65.000	ng	98
82) Chrysene	14.09	228	1067383	67.804	ng	97
83) Bis(2-ethylhexyl)phthalate	14.03	149	56971	4.776	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.91	276	91740	7.026	ng	100

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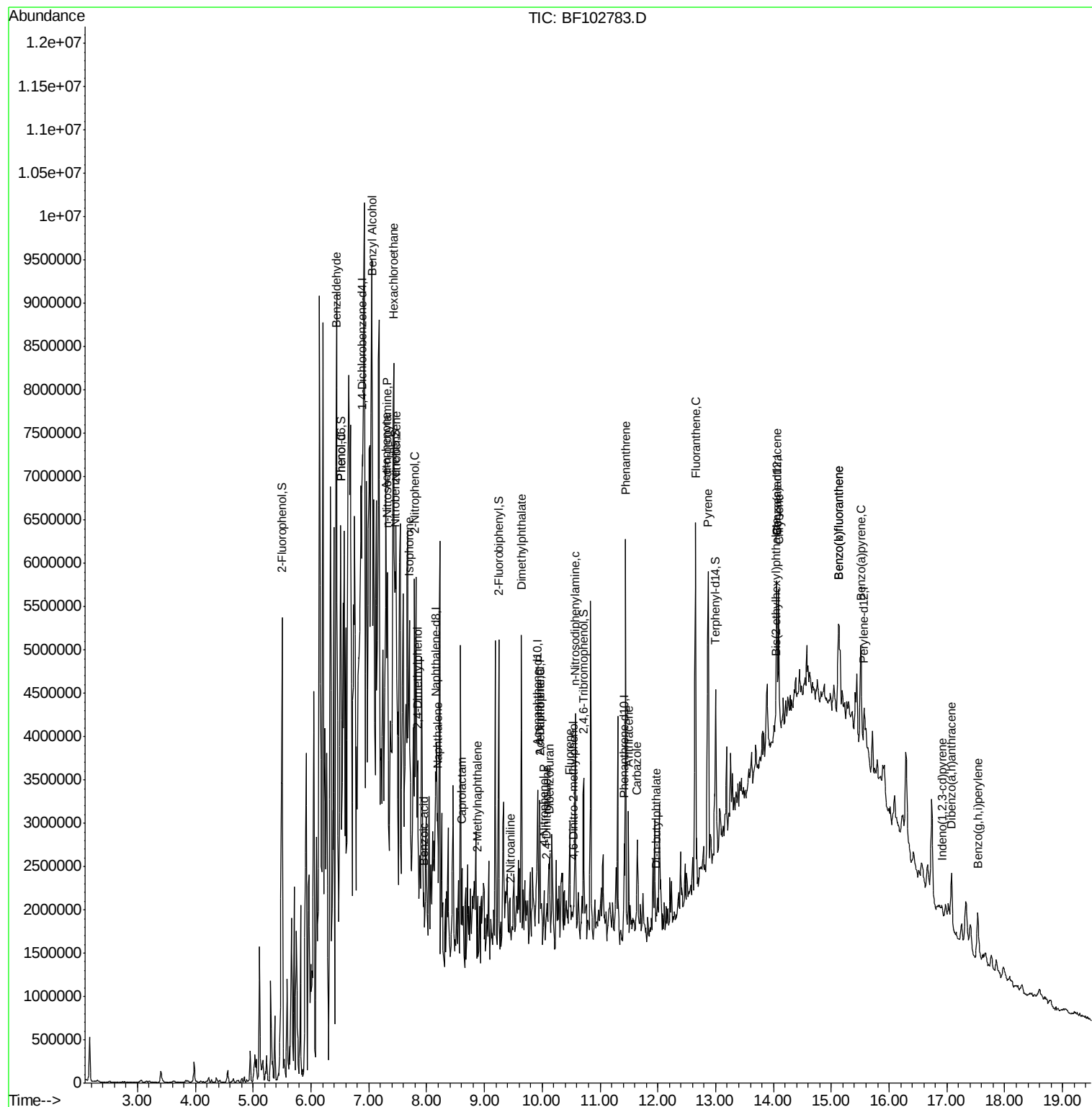
Quant Time: Feb 06 16:51:37 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
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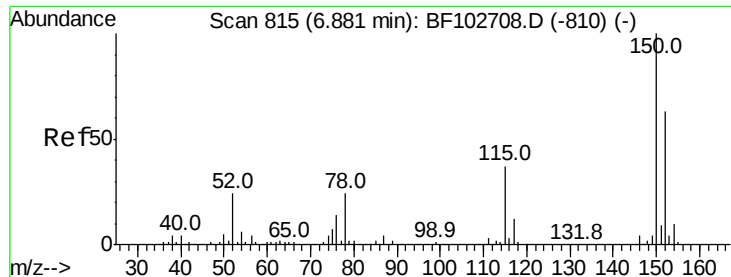
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	15.13	252	1518938	99.844	ng	# 91
88) Benzo(k)fluoranthene	15.13	252	1518938	104.495	ng	# 93
89) Benzo(a)pyrene	15.51	252	732129	53.465	ng	# 92
90) Dibenzo(a,h)anthracene	17.09	278	125437	11.286	ng	# 87
91) Benzo(g,h,i)perylene	17.53	276	444201	40.831	ng	97

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

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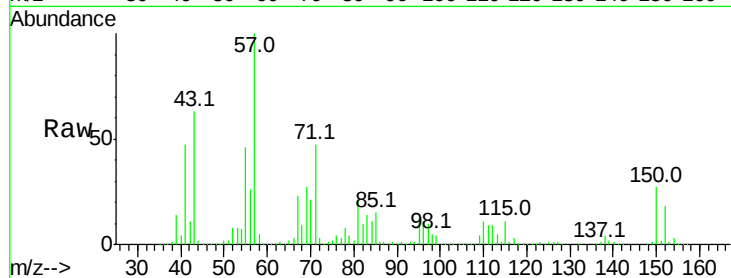




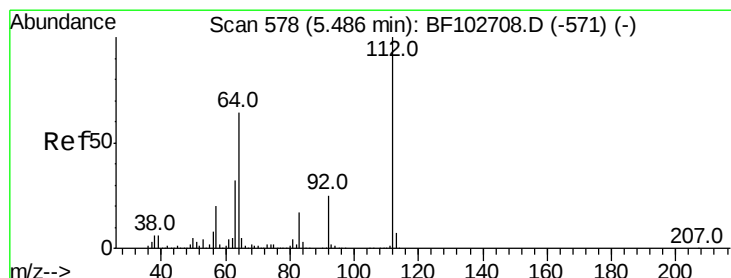
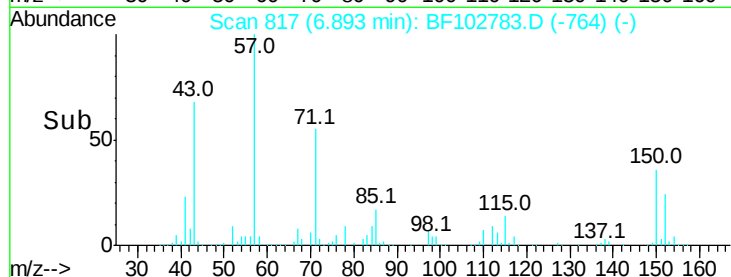
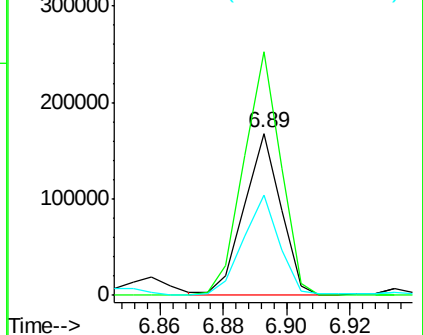
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.01 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	124.6	186.8
115	61.4	50.1	75.1



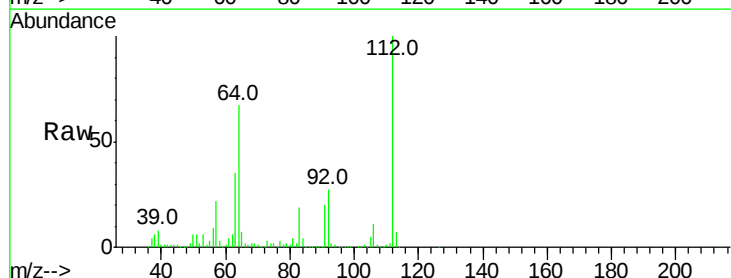
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



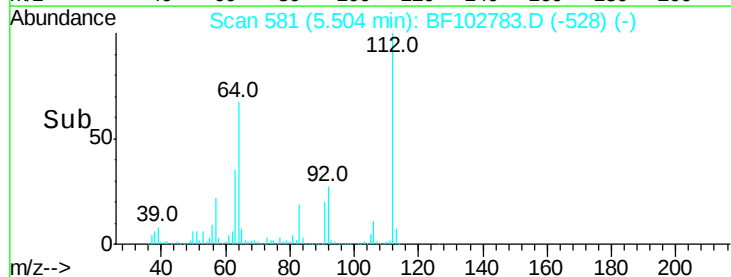
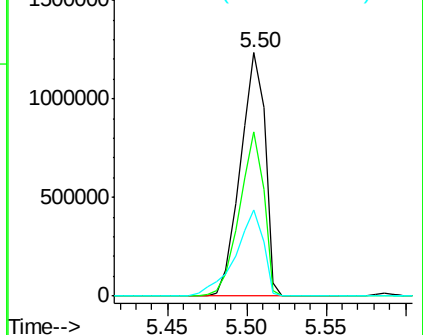
#5

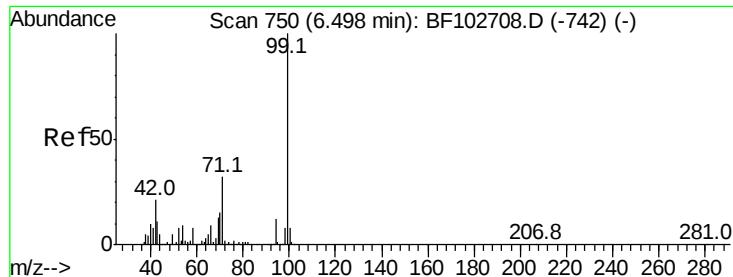
2-Fluorophenol
Concen: 149.783 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	35.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 137.397 ng

RT: 6.52 min Scan# 753

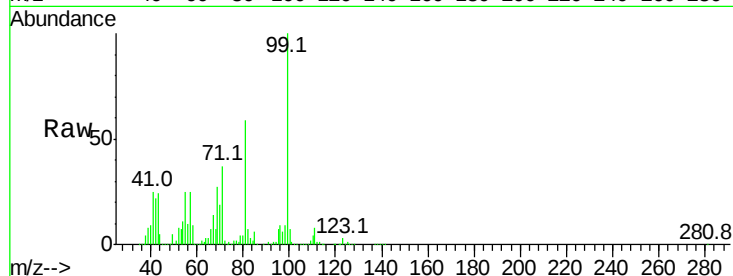
Delta R.T. 0.01 min

Lab File: BF102783.D

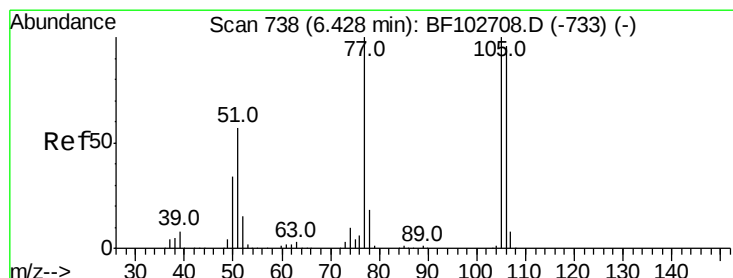
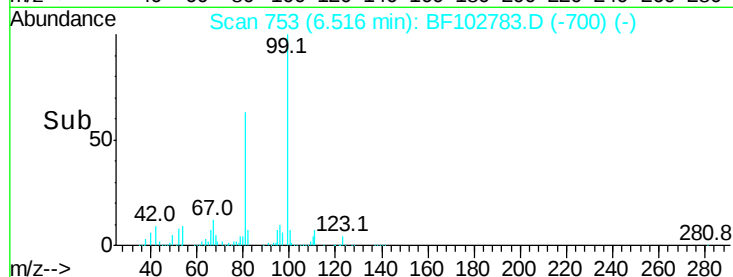
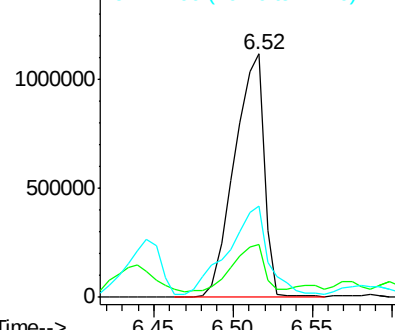
Acq: 6 Feb 2018 14:51

Tot Ion: 99 Resp: 1459256

Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.5	21.7#
71	37.4	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 4.738 ng

RT: 6.43 min Scan# 738

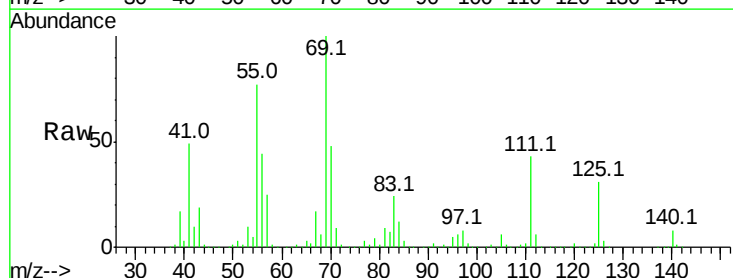
Delta R.T. -0.01 min

Lab File: BF102783.D

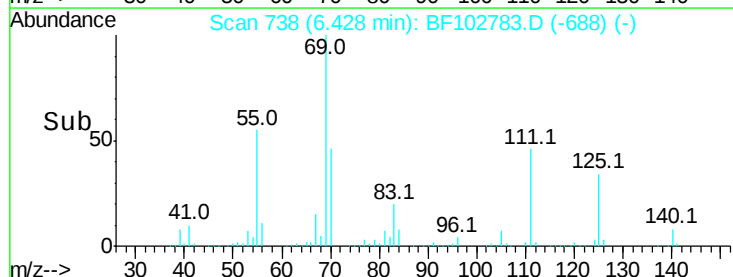
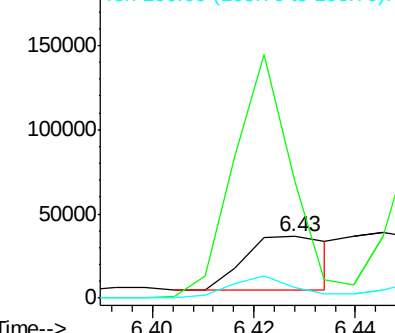
Acq: 6 Feb 2018 14:51

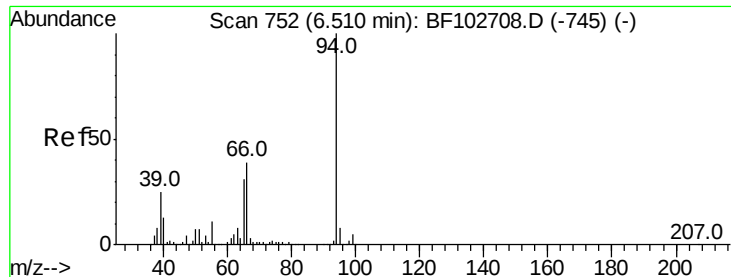
Tgt Ion: 77 Resp: 37369

Ion	Ratio	Lower	Upper
77	100		
105	190.1	81.1	121.1#
106	17.3	74.5	114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 3.635 ng

RT: 6.52 min Scan# 754

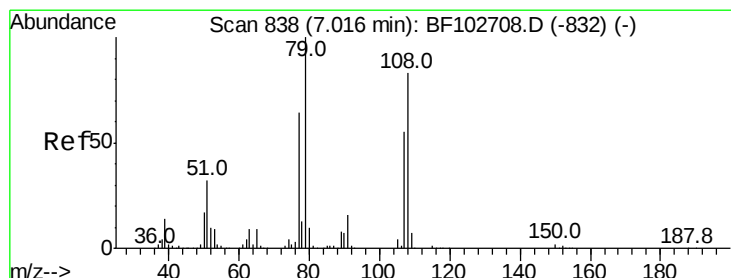
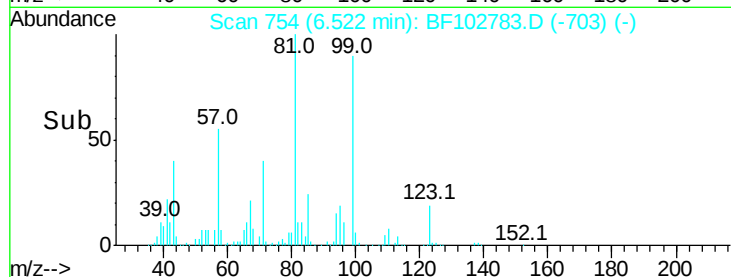
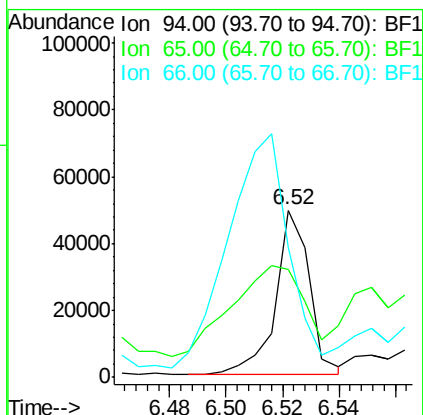
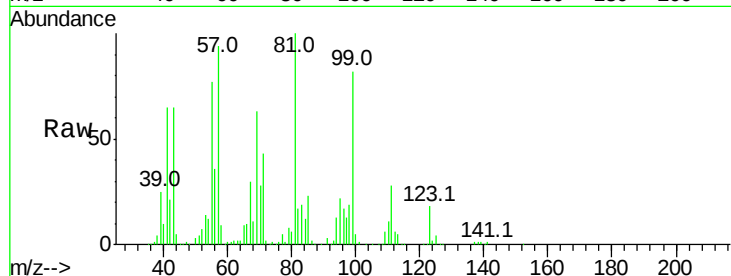
Delta R.T. 0.00 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

Tot Ion: 94 Resp: 41376

Ion	Ratio	Lower	Upper
94	100		
65	64.4	7.9	47.9#
66	77.5	16.2	56.2#



#15

Benzyl Alcohol

Concen: 3.053 ng

RT: 7.06 min Scan# 846

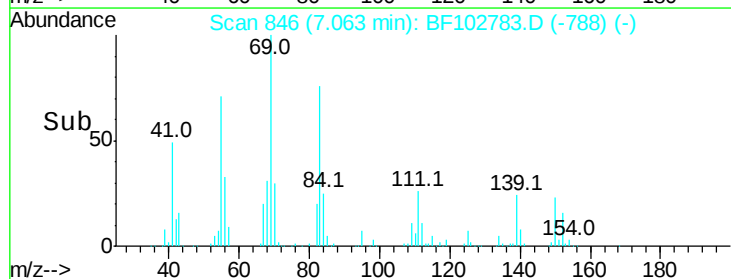
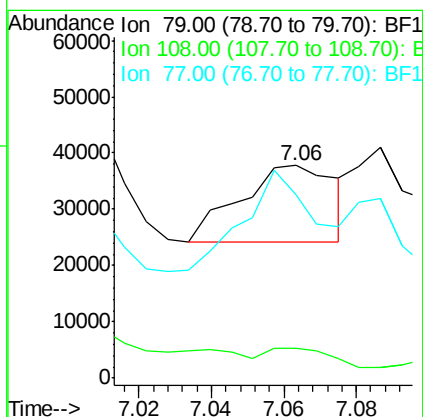
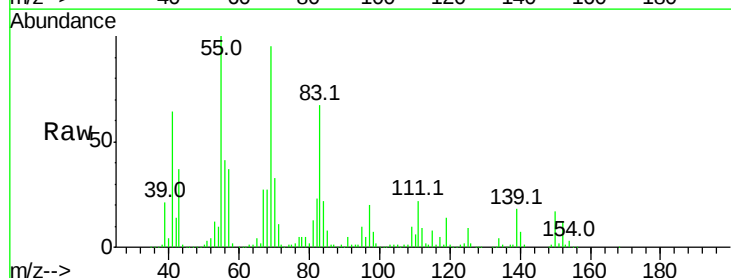
Delta R.T. 0.04 min

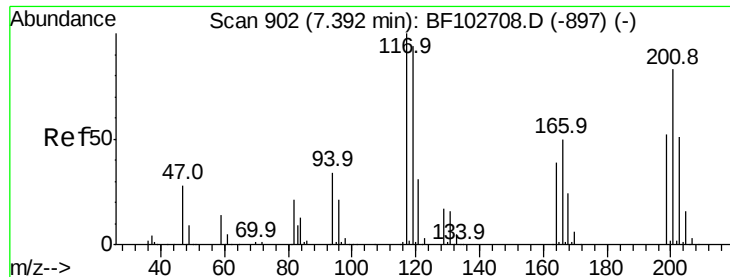
Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

Tgt Ion: 79 Resp: 24927

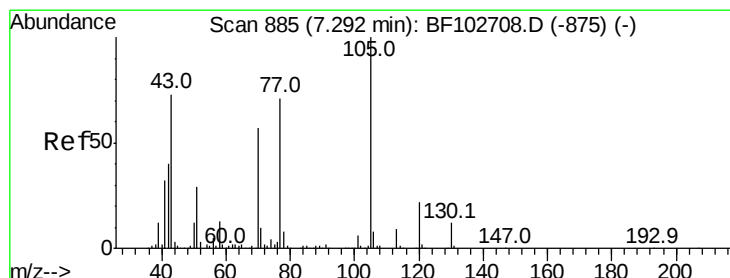
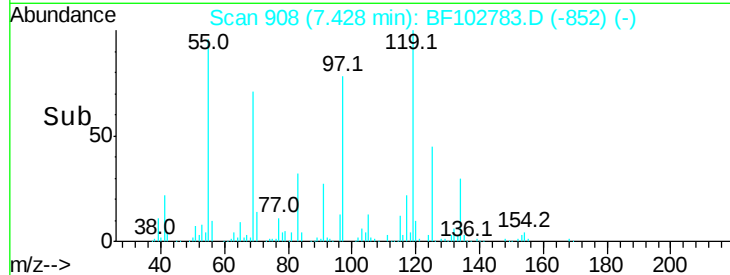
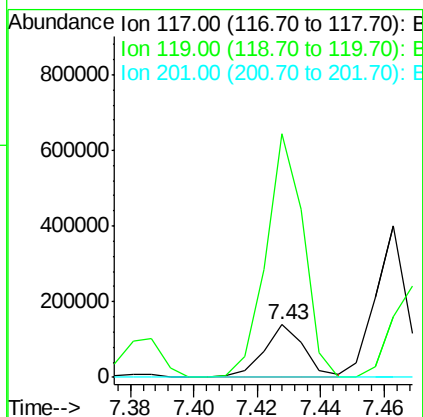
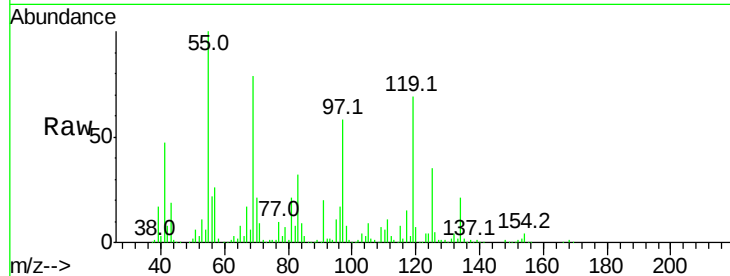
Ion	Ratio	Lower	Upper
79	100		
108	13.8	65.1	97.7#
77	86.2	50.6	75.8#





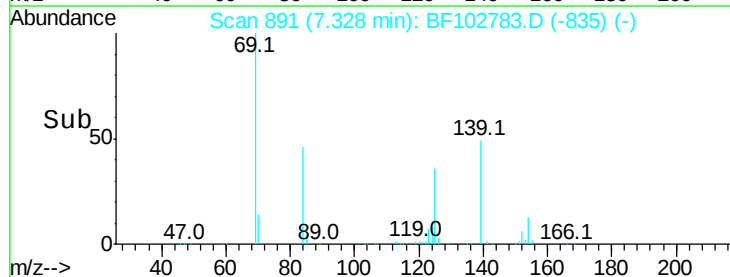
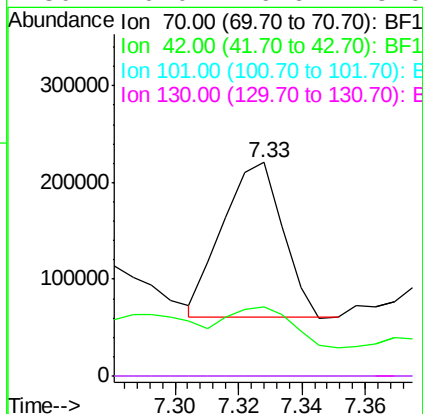
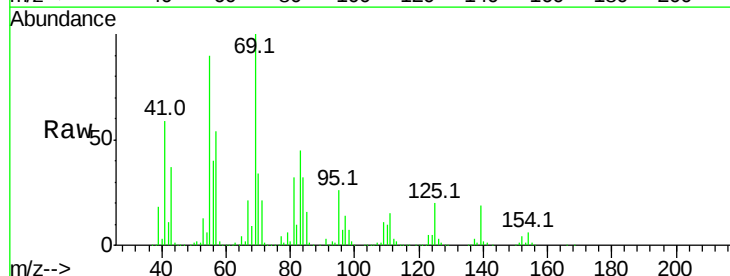
#18
Hexachloroethane
Concen: 33.456 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.03 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

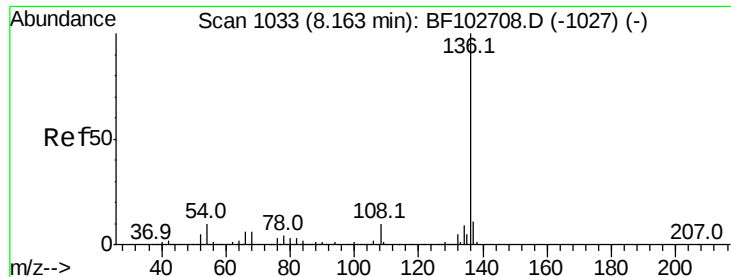
Tot Ion:117 Resp: 120178
Ion Ratio Lower Upper
117 100
119 464.3 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 29.855 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.03 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

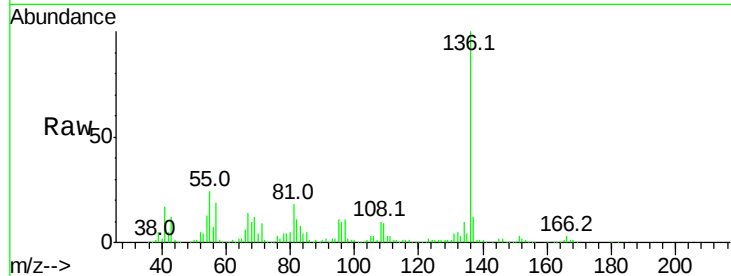
Tgt Ion: 70 Resp: 209060
Ion Ratio Lower Upper
70 100
42 32.2 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



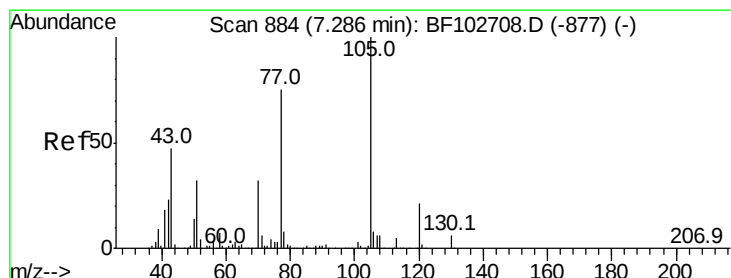
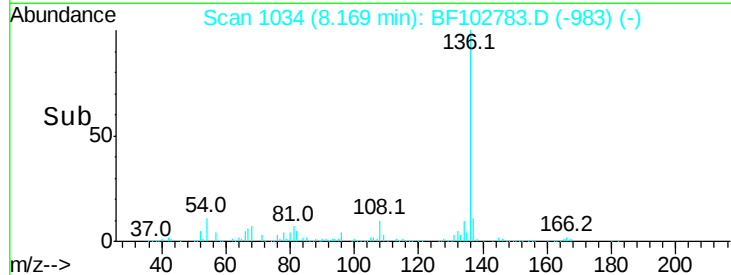
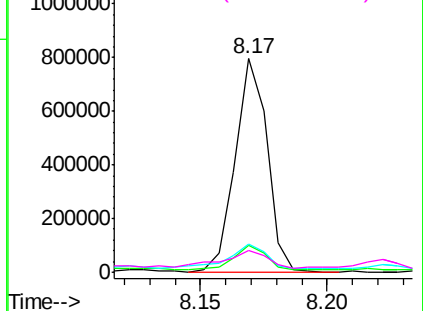


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tot Ion:136	Resp: 689984
Ion Ratio	Lower Upper
136 100	
137 12.4	8.9 13.3
54 12.9	6.6 9.8#
68 10.2	5.0 7.4#

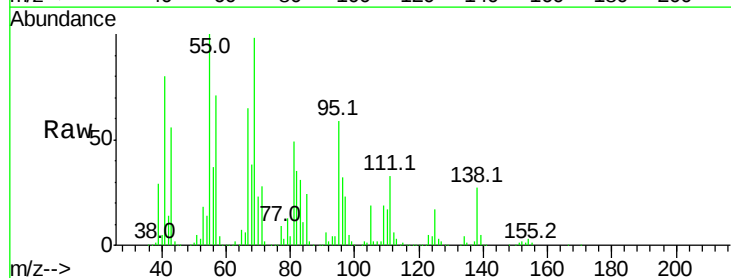


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

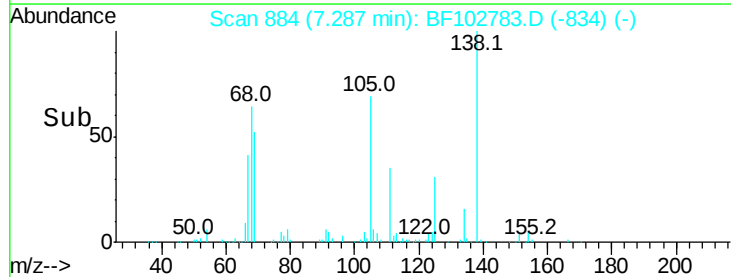
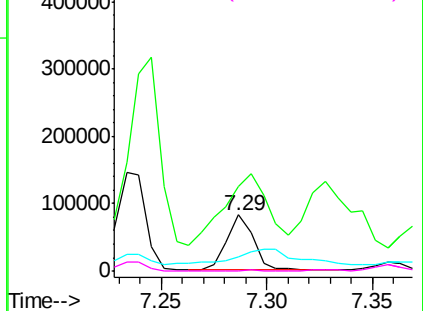


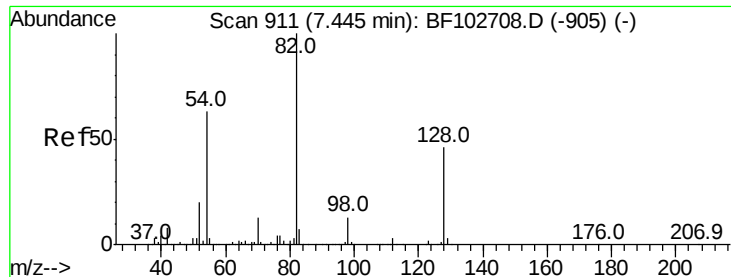
#22
Acetophenone
Concen: 4.192 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tgt	Ion:105	Resp:	70772
Ion	Ratio	Lower	Upper
105	100		
71	149.9	4.4	6.6#
51	26.1	22.3	33.5
120	1.0	16.9	25.3#



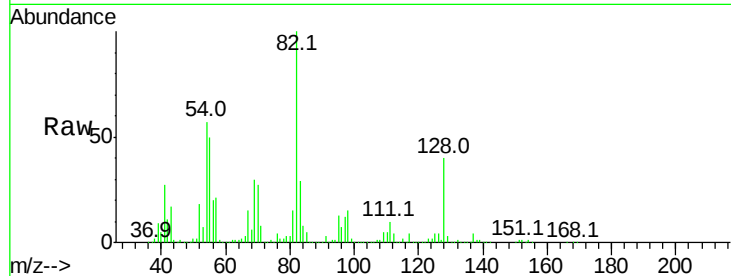
Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E



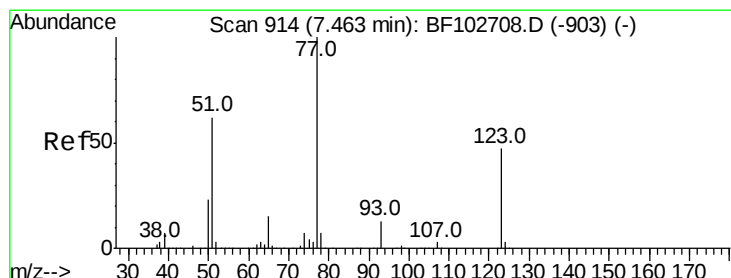
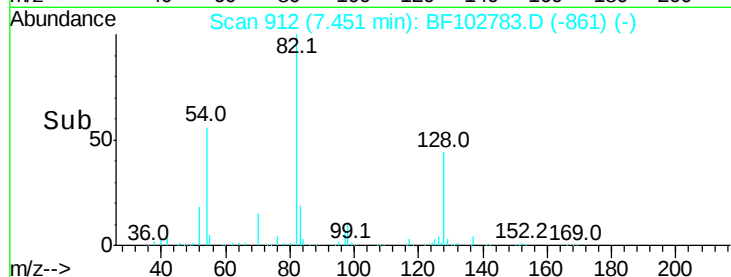
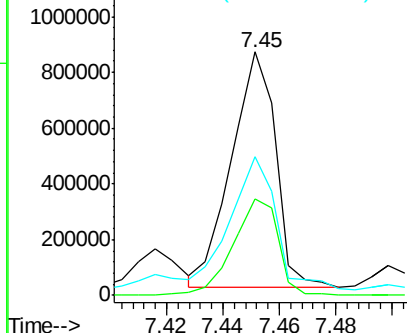


#23
Nitrobenzene-d5
Concen: 92.232 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.00 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tot Ion: 82 Resp: 917373
Ion Ratio Lower Upper
82 100
128 39.7 36.1 54.1
54 57.1 41.4 62.2

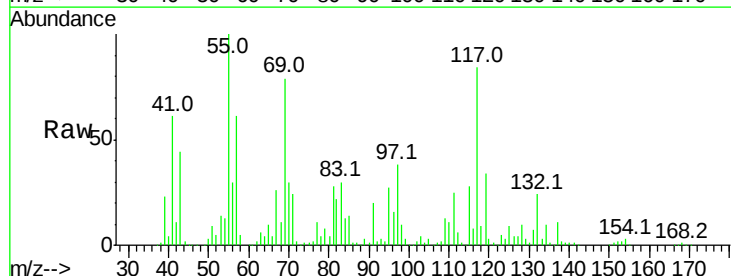


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

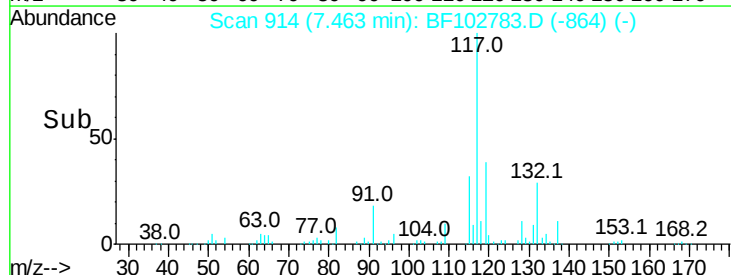
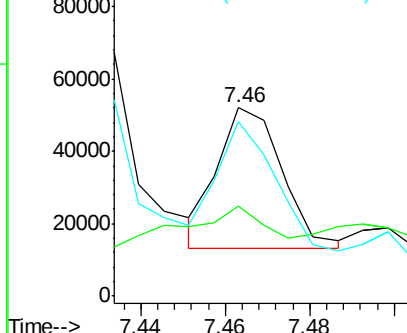


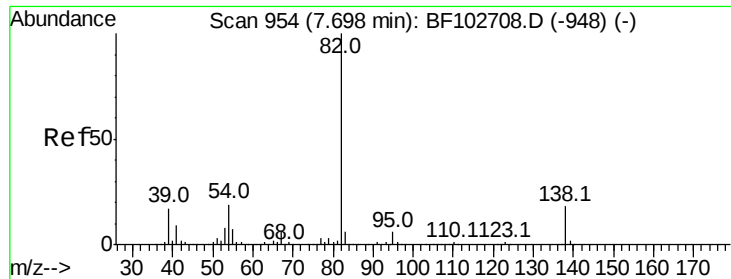
#24
Nitrobenzene
Concen: 3.449 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tgt Ion: 77 Resp: 41149
Ion Ratio Lower Upper
77 100
123 48.0 37.9 56.9
65 92.5 11.0 16.4#



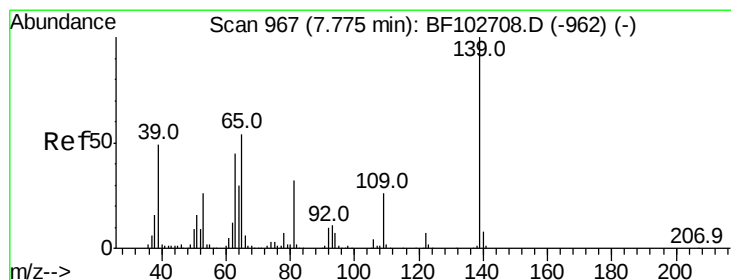
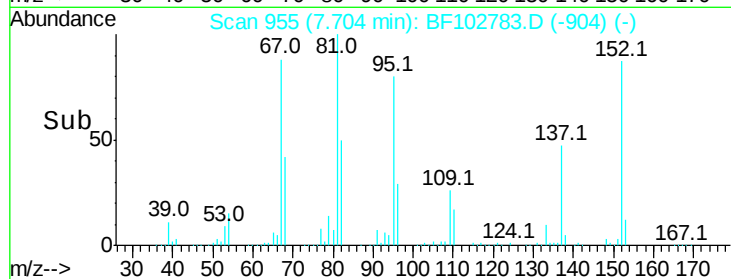
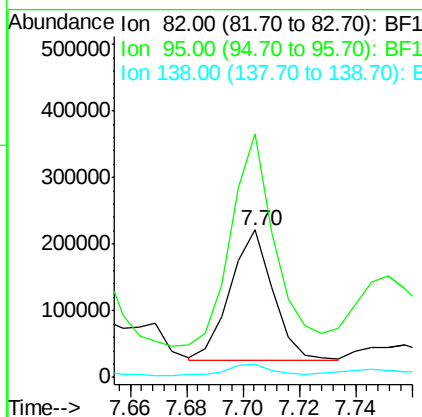
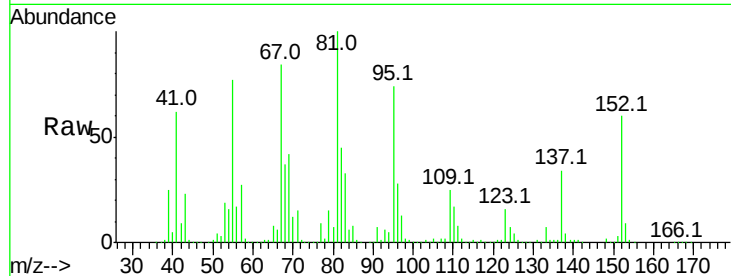
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





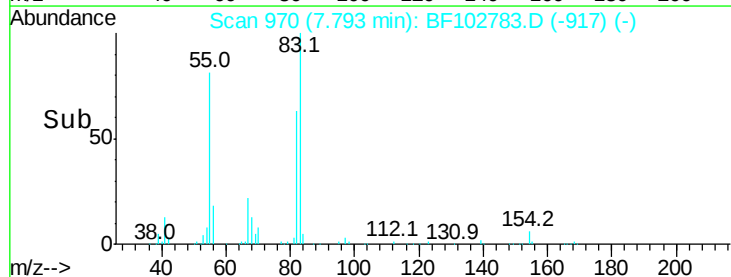
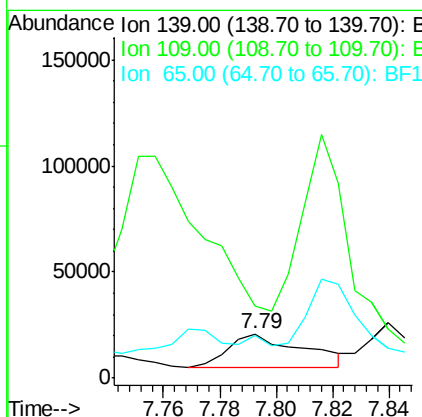
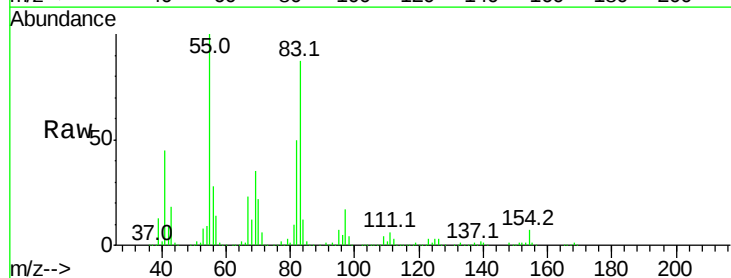
#25
Isophorone
Concen: 8.981 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

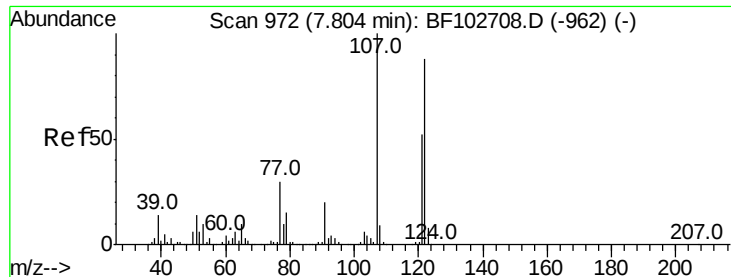
Tot Ion	Ratio	Lower	Upper
82	100		
95	165.5	5.2	7.8#
138	8.8	14.9	22.3#



#26
2-Nitrophenol
Concen: 13.708 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

Tgt Ion	Ratio	Lower	Upper
139	100		
109	161.8	22.7	34.1#
65	96.4	40.5	60.7#





#27

2,4-Dimethylphenol

Concen: 3.283 ng

RT: 7.83 min Scan# 977

Delta R.T. 0.02 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

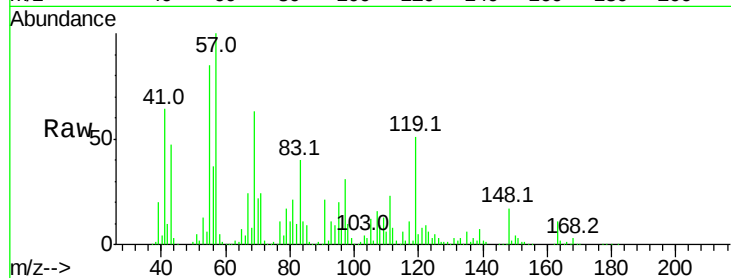
Tot Ion:122 Resp: 31764

Ion Ratio Lower Upper

122 100

107 176.2 91.2 136.8#

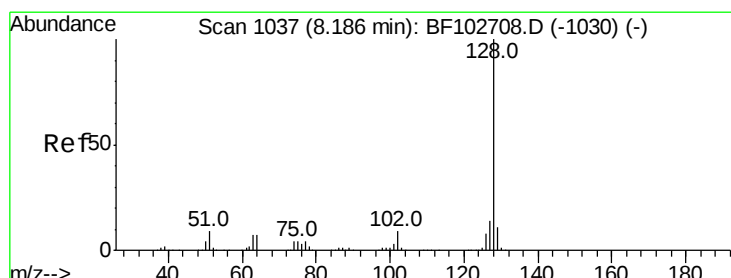
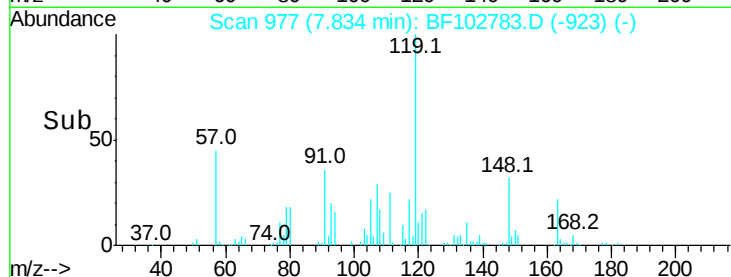
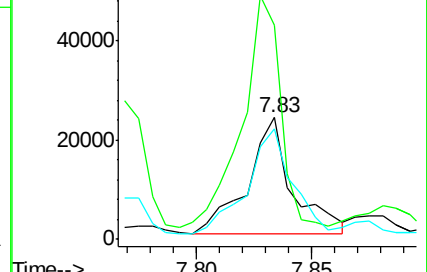
121 91.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 6.019 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

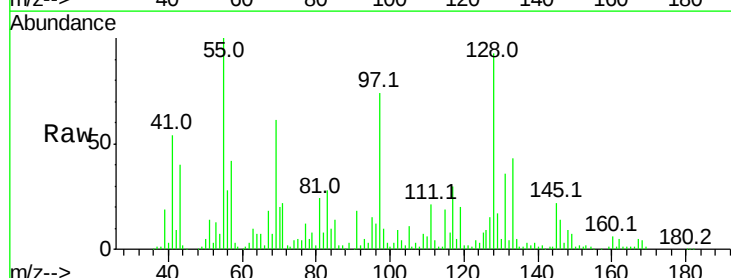
Tgt Ion:128 Resp: 202894

Ion Ratio Lower Upper

128 100

129 17.8 8.8 13.2#

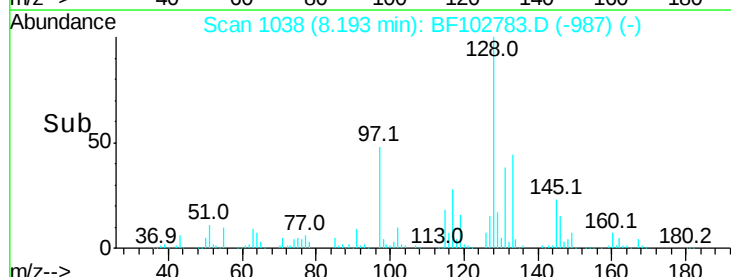
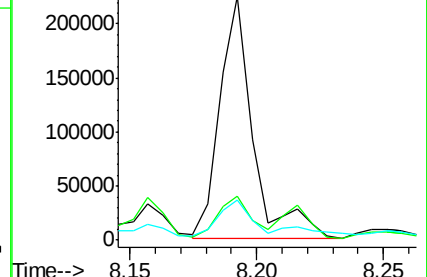
127 16.2 10.9 16.3

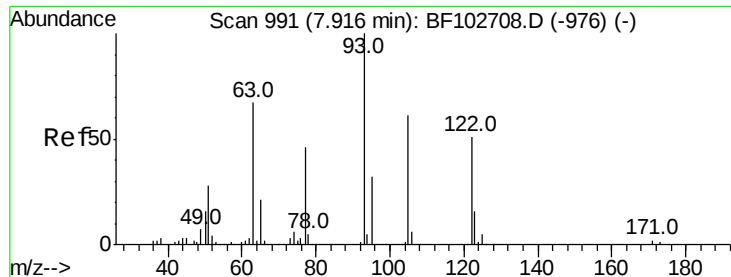


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

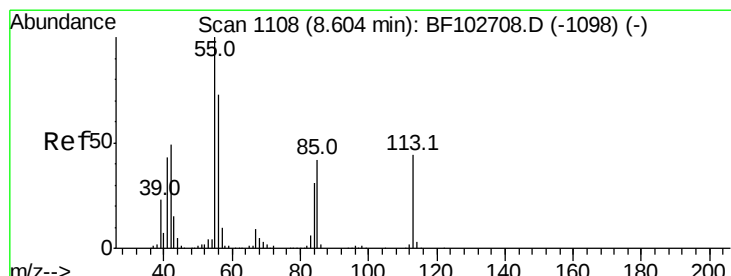
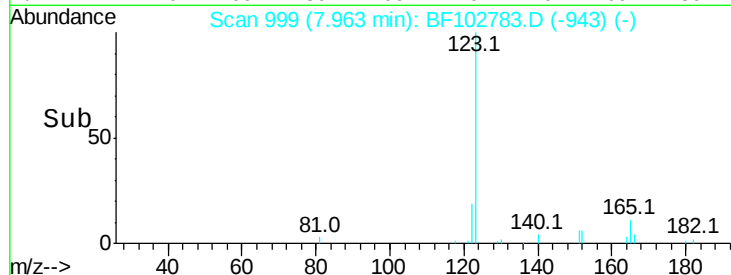
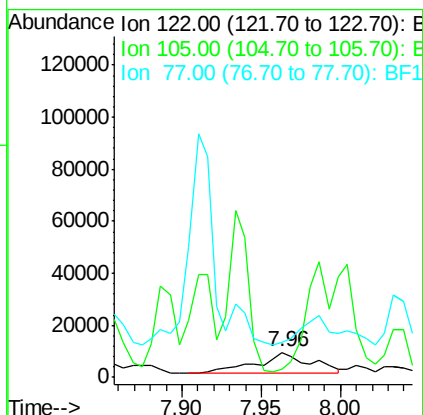
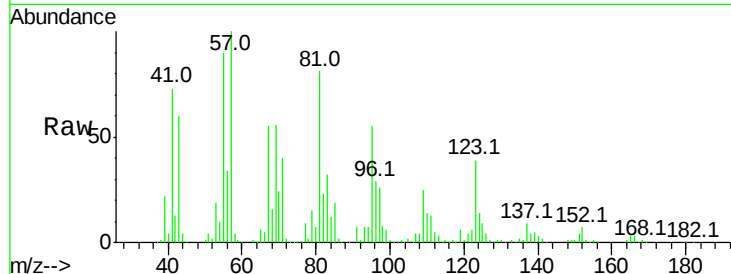
Ion 127.00 (126.70 to 127.70): E





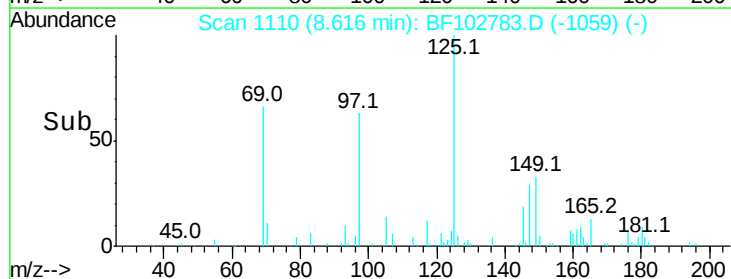
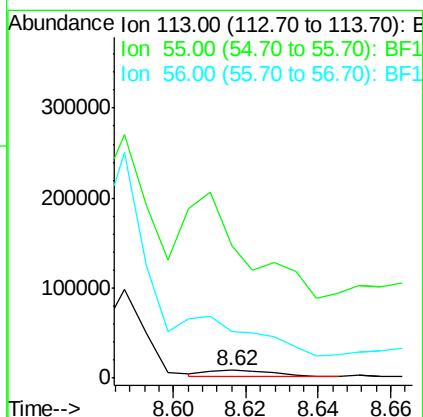
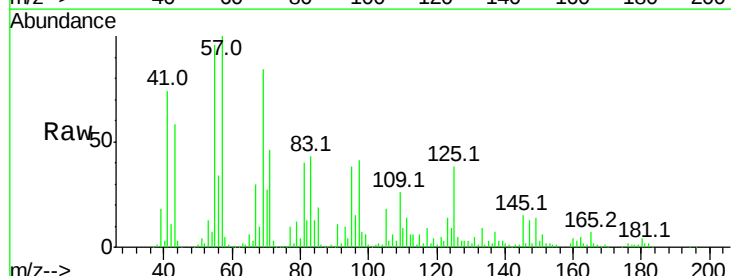
#32
Benzoic acid
Concen: 11.259 ng
RT: 7.96 min Scan# 999
Delta R.T. 0.03 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

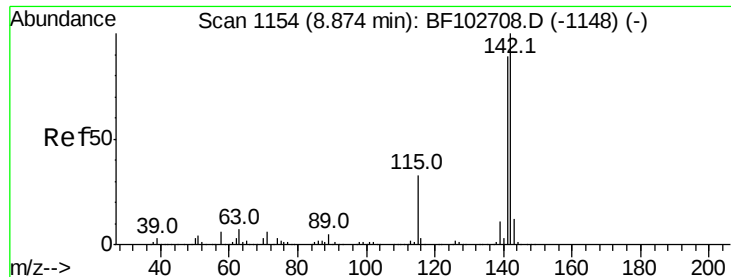
Tot Ion:122 Resp: 19387
Ion Ratio Lower Upper
122 100
105 33.0 101.1 141.1#
77 141.2 70.7 110.7#



#35
Caprolactam
Concen: 2.807 ng
RT: 8.62 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

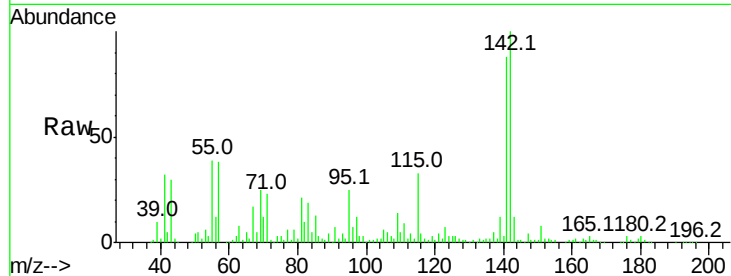
Tgt Ion:113 Resp: 8575
Ion Ratio Lower Upper
113 100
55 1656.5 163.3 203.3#
56 575.7 115.7 155.7#



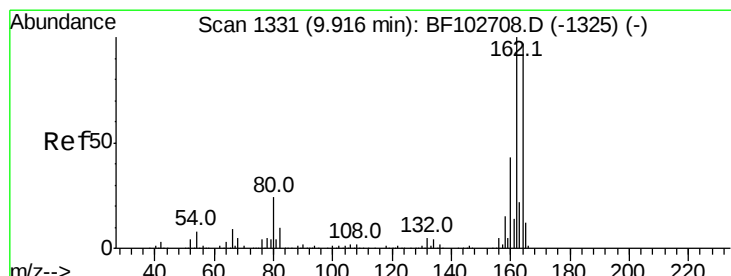
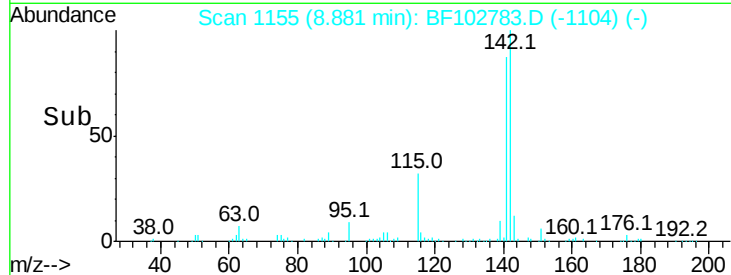
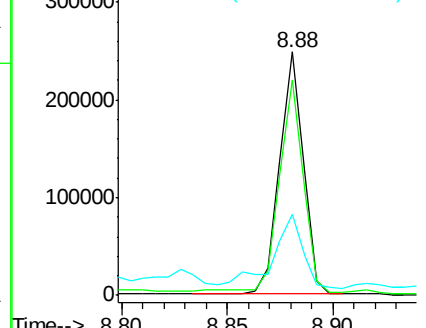


#37
 2-Methylnaphthalene
 Concen: 8.822 ng
 RT: 8.88 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tot Ion:	142	Resp:	194717
Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	33.2	26.1	39.1

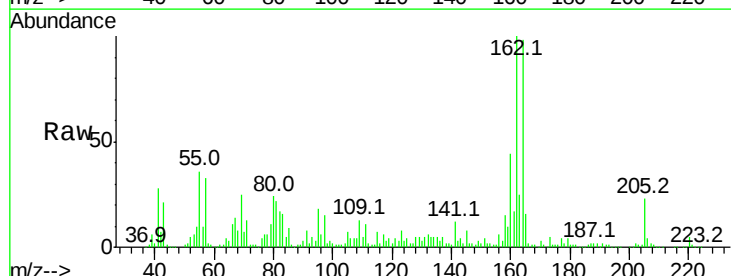


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

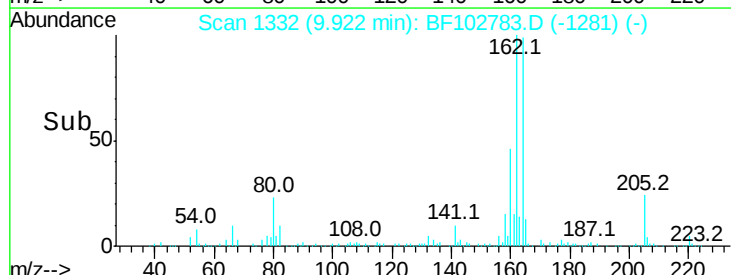
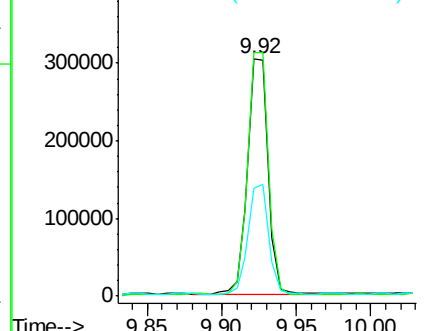


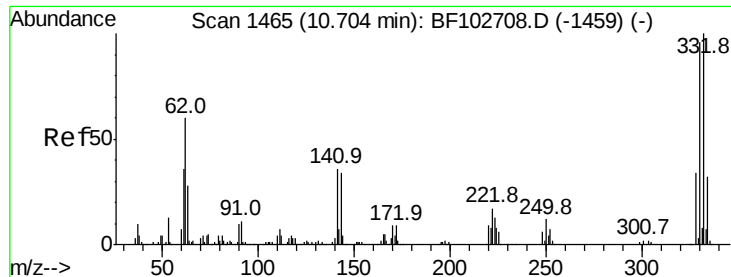
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tgt Ion:	164	Resp:	292060
Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.5	38.3	57.5



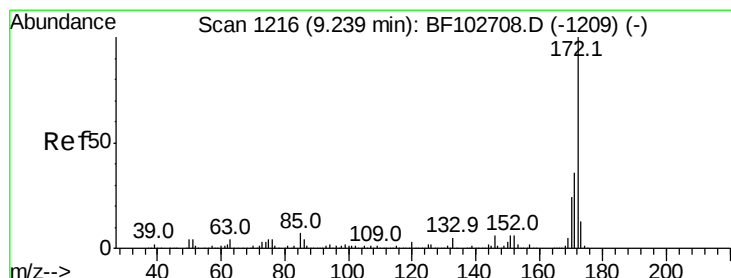
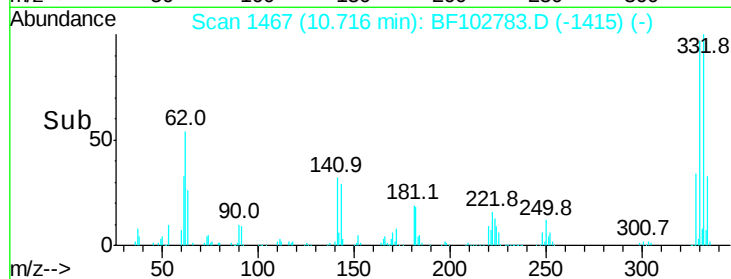
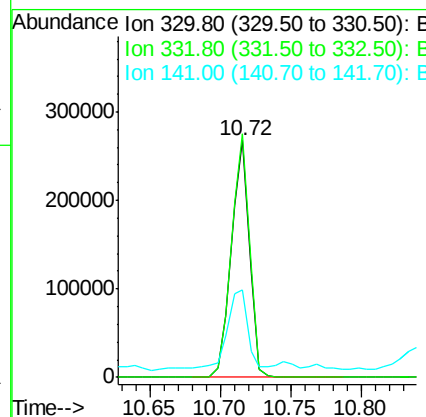
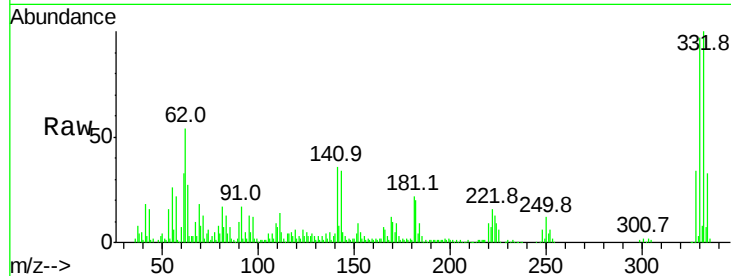
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





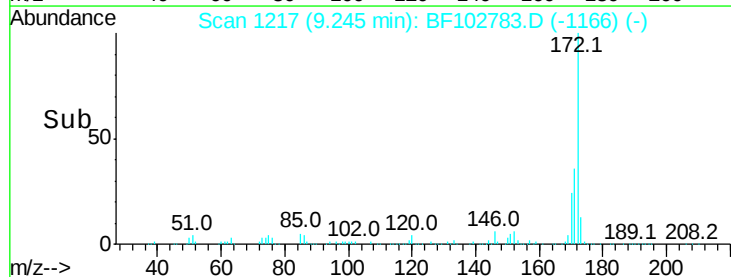
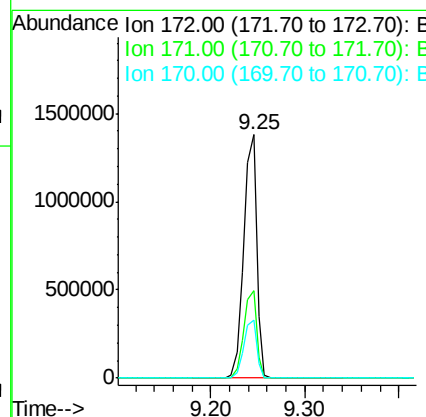
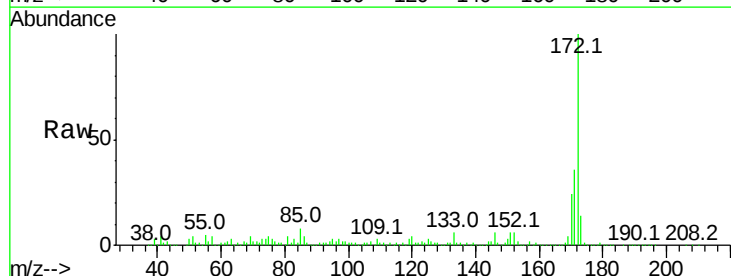
#41
 2,4,6-Tribromophenol
 Concen: 101.408 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

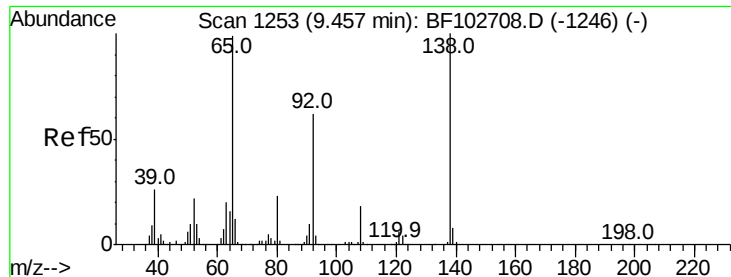
Tot Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.0	115.6
141	39.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 75.389 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.9	19.6	29.4





#47

2-Nitroaniline

Concen: 3.892 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

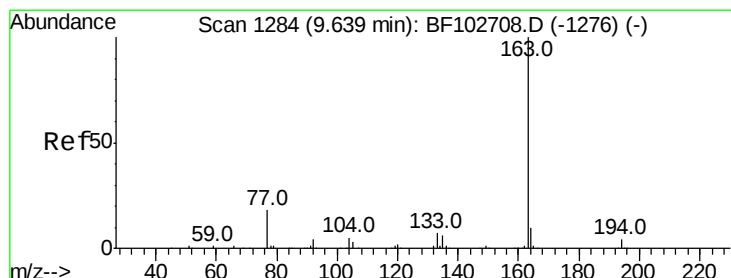
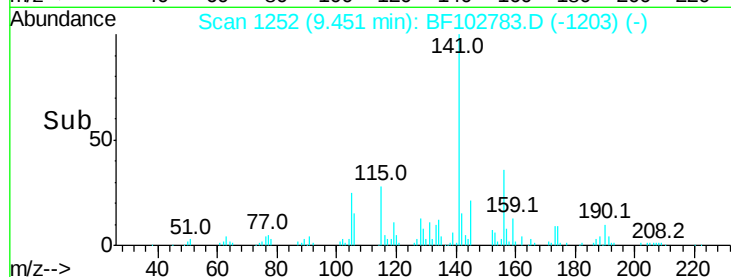
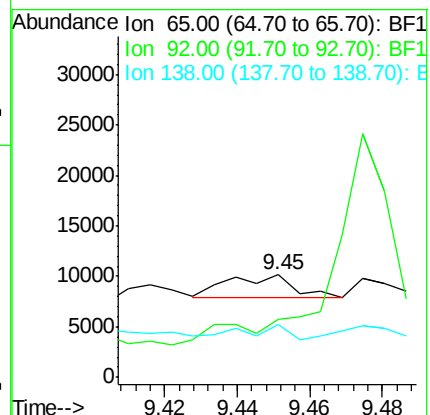
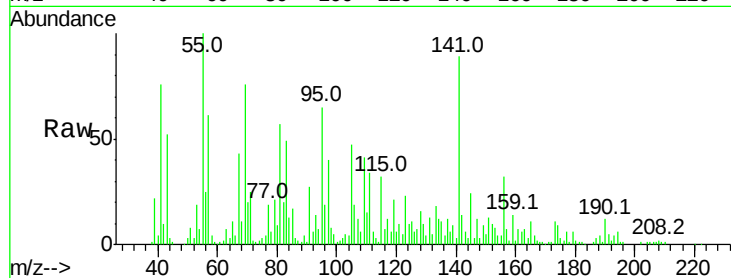
Tot Ion: 65 Resp: 2703

Ion Ratio Lower Upper

65 100

92 56.4 55.8 83.6

138 51.9 91.2 136.8#



#49

Dimethylphthalate

Concen: 7.240 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

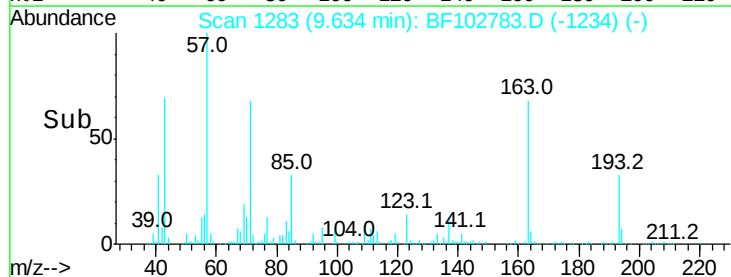
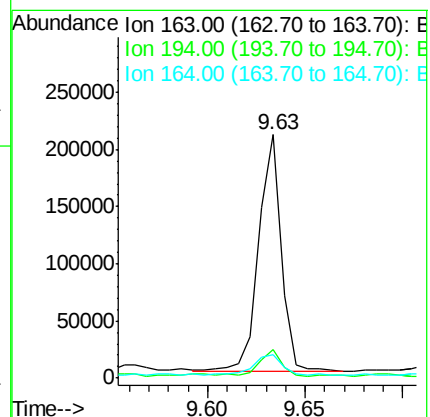
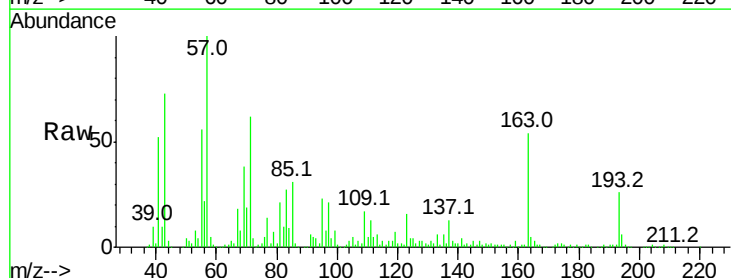
Tgt Ion: 163 Resp: 164870

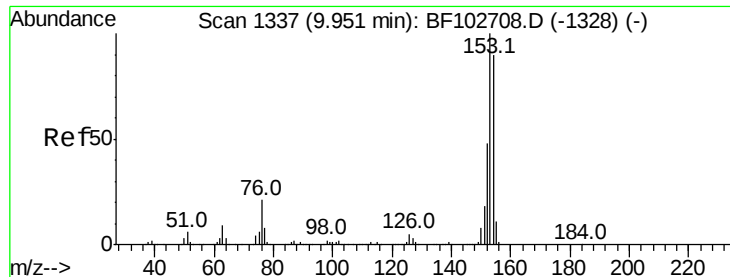
Ion Ratio Lower Upper

163 100

194 11.7 2.7 4.1#

164 9.8 8.2 12.2





#51

Acenaphthene

Concen: 13.419 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

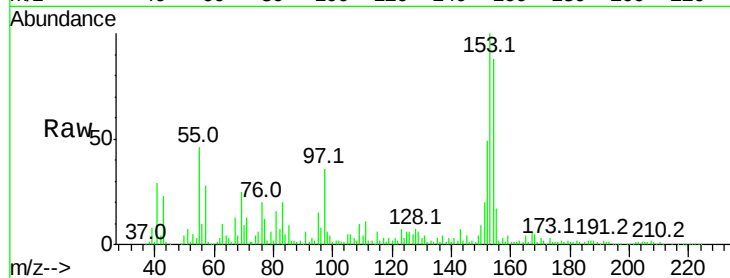
Tot Ion:154 Resp: 241385

Ion Ratio Lower Upper

154 100

153 113.2 91.2 136.8

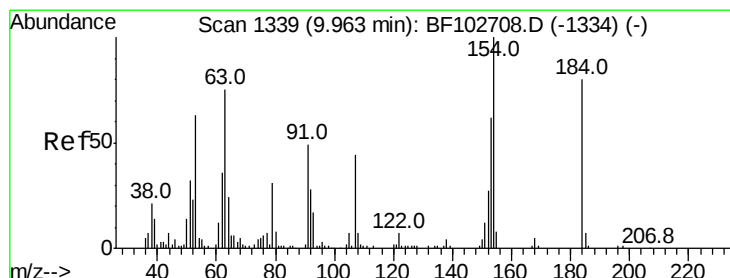
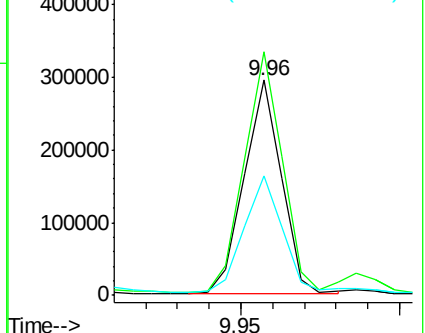
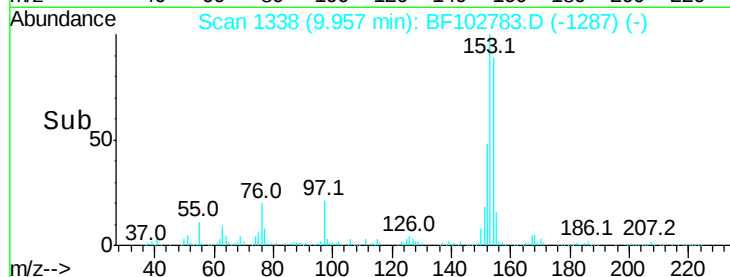
152 55.5 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 8.373 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

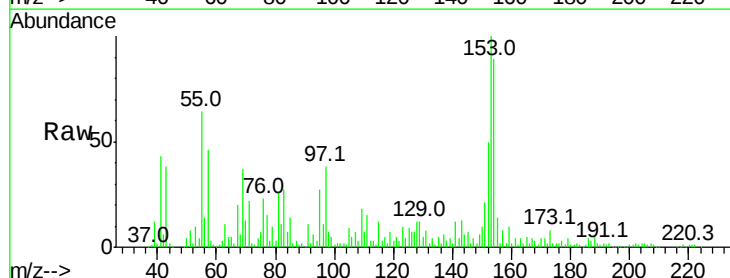
Tgt Ion:184 Resp: 342

Ion Ratio Lower Upper

184 100

63 3819.0 54.2 81.2#

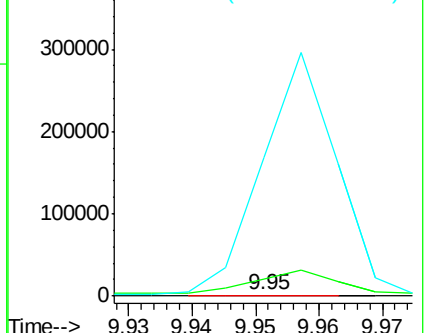
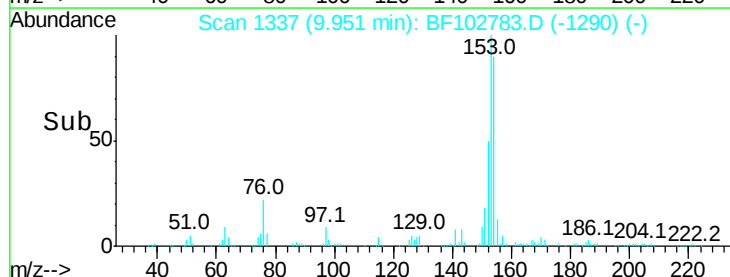
154 30207.5 184.0 276.0#

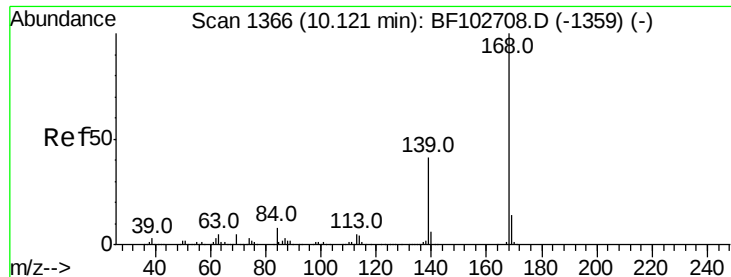


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

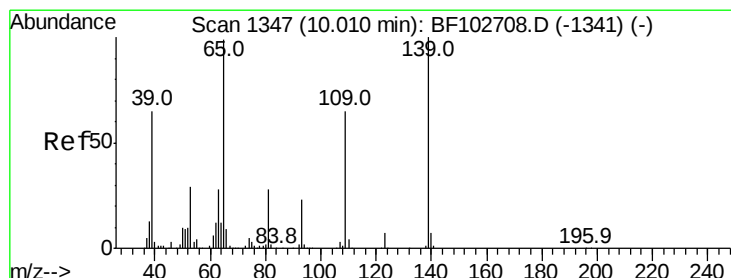
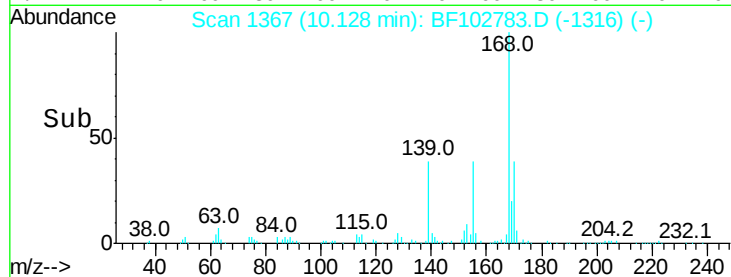
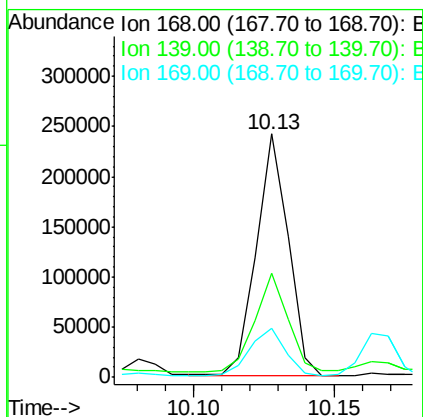
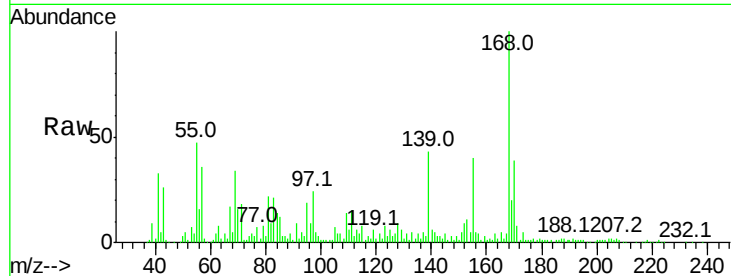
Ion 154.00 (153.70 to 154.70): E





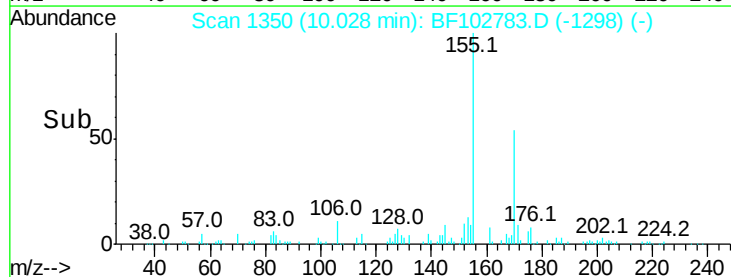
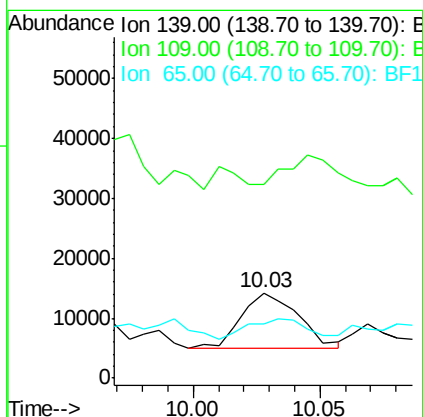
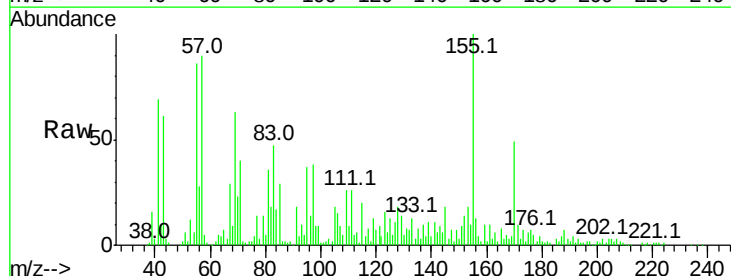
#54
Dibenzofuran
Concen: 7.499 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

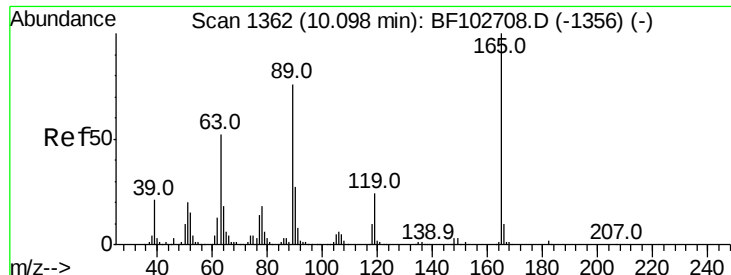
Tot Ion:168 Resp: 190107
Ion Ratio Lower Upper
168 100
139 42.5 30.1 45.1
169 20.1 10.9 16.3#



#55
4-Nitrophenol
Concen: 7.174 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

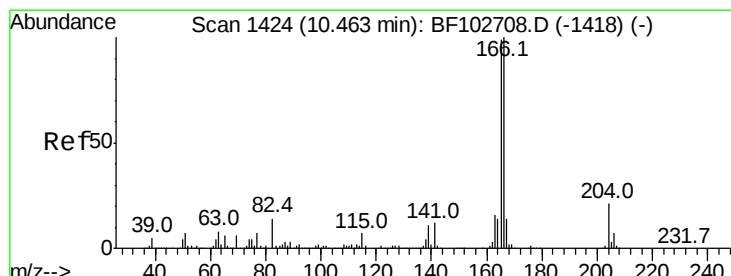
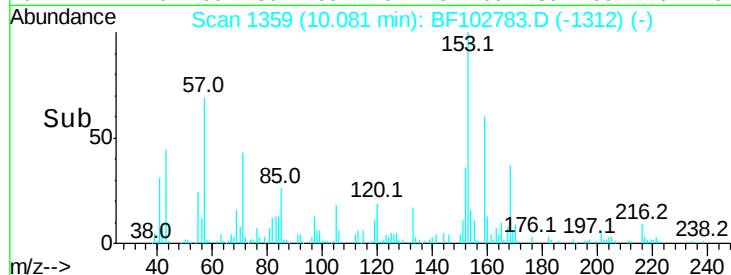
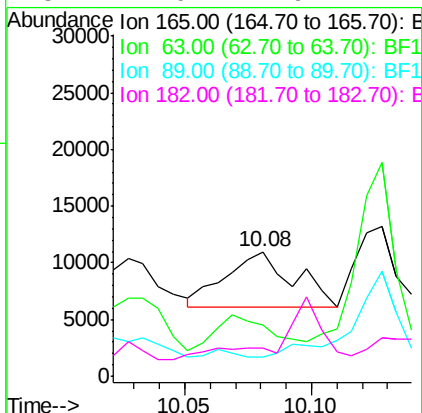
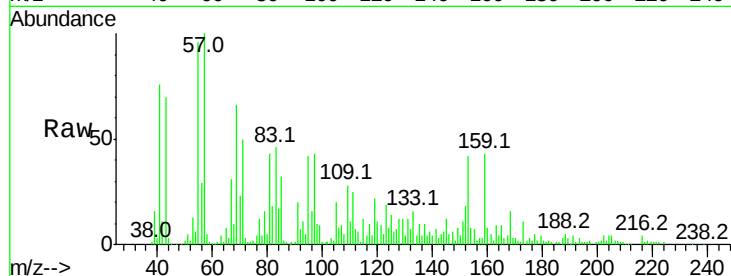
Tgt Ion:139 Resp: 14533
Ion Ratio Lower Upper
139 100
109 227.5 48.4 88.4#
65 63.1 72.6 112.6#





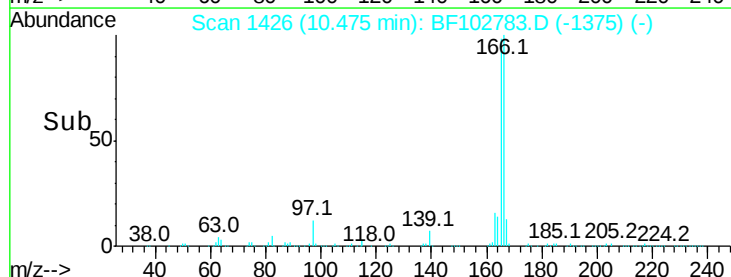
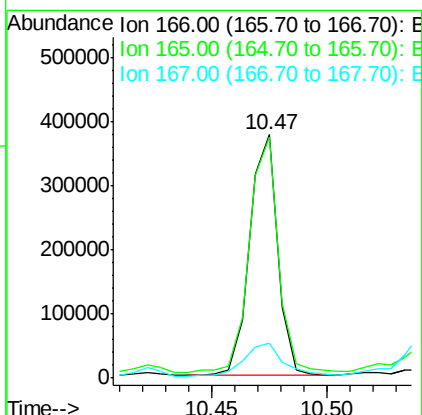
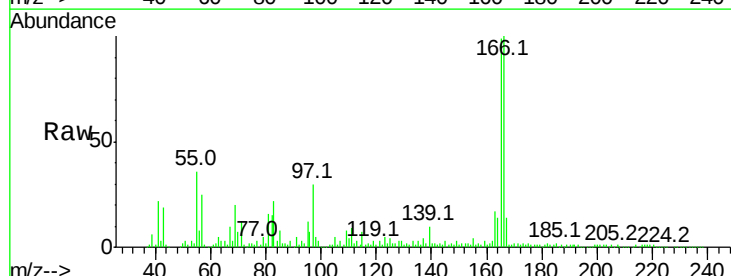
#56
2,4-Dinitrotoluene
Concen: 4.566 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

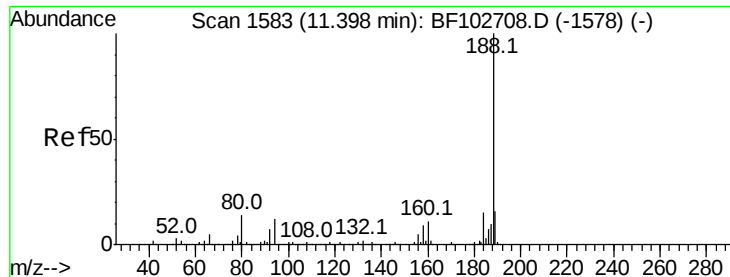
Tot Ion:165 Resp: 9251
Ion Ratio Lower Upper
165 100
63 41.4 36.4 54.6
89 15.4 57.8 86.6#
182 22.9 1.6 2.4#



#57
Fluorene
Concen: 17.368 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

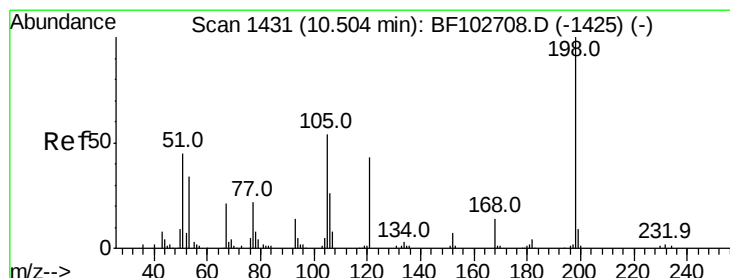
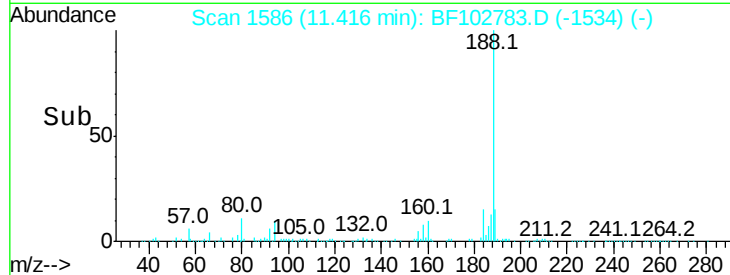
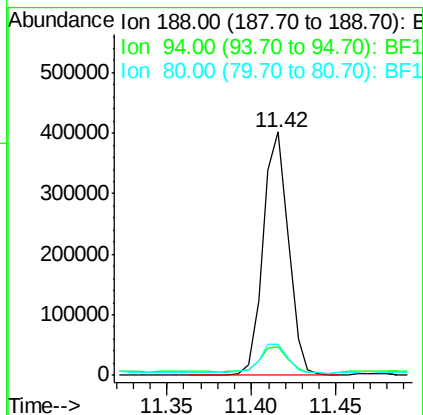
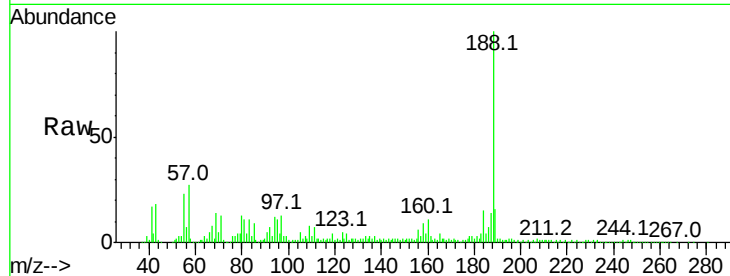
Tgt Ion:166 Resp: 320337
Ion Ratio Lower Upper
166 100
165 99.1 79.8 119.8
167 14.3 10.6 16.0





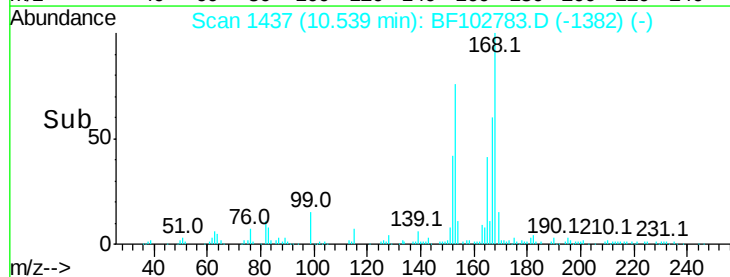
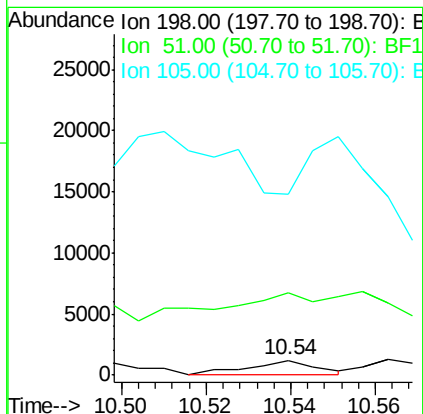
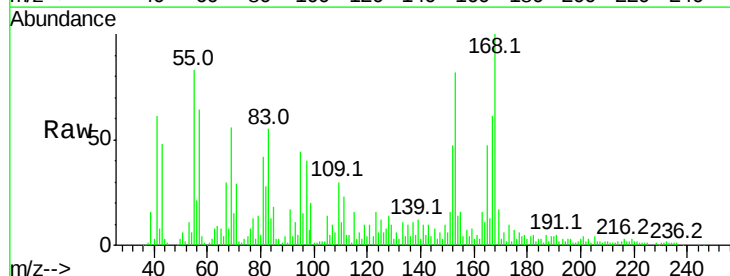
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

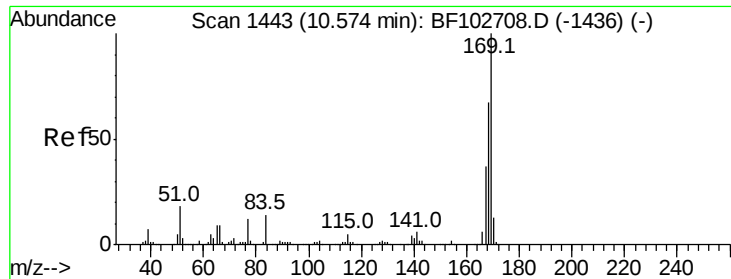
Tot Ion:188 Resp: 415685
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.552 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.02 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tgt Ion:198 Resp: 1422
 Ion Ratio Lower Upper
 198 100
 51 570.9 37.7 77.7#
 105 1244.4 36.3 76.3#

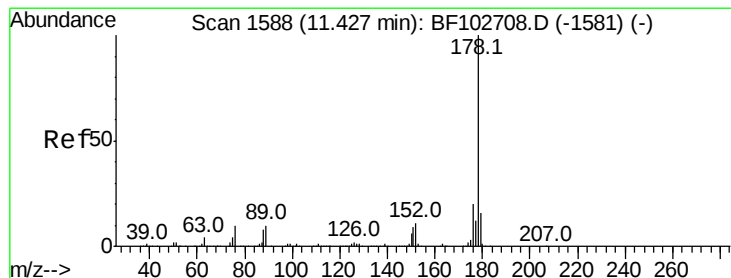
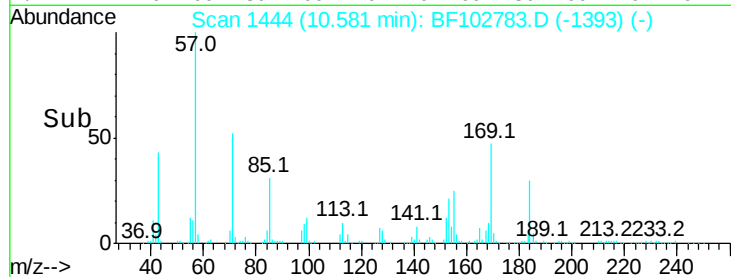
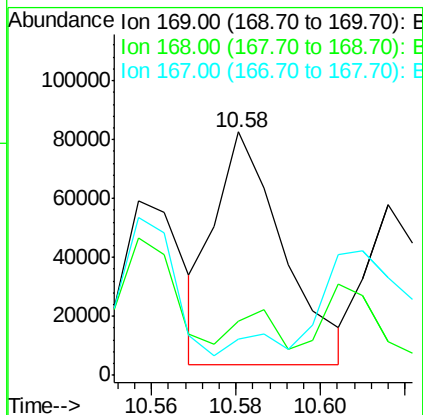
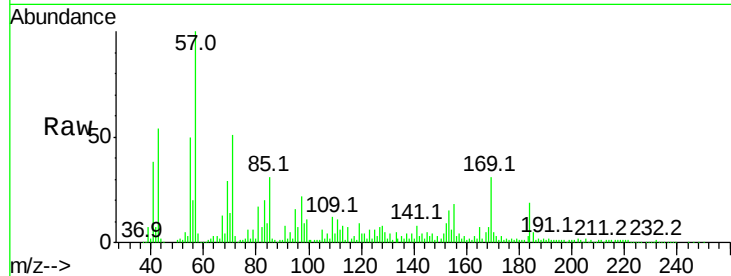




#65

n-Nitrosodiphenylamine
 Concen: 6.024 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

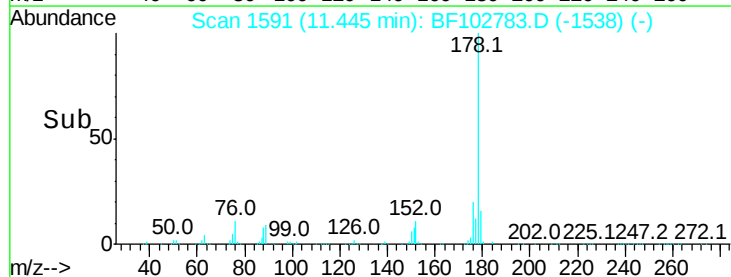
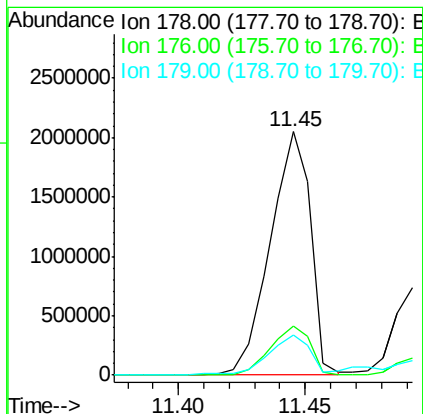
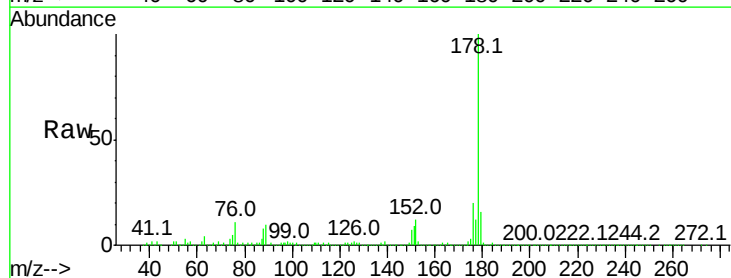
Tot Ion	Ratio	Lower	Upper
169	100		
168	22.3	54.4	81.6#
167	14.6	29.8	44.6#

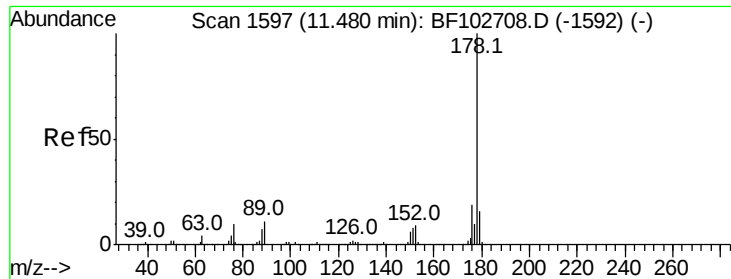


#70

Phenanthrene
 Concen: 97.607 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

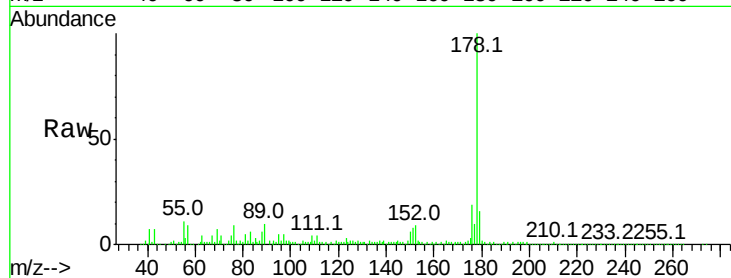
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.5	13.0	19.6



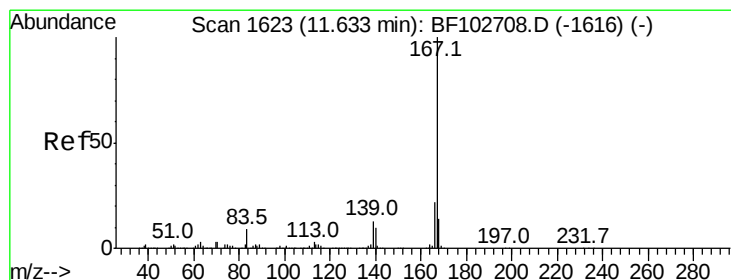
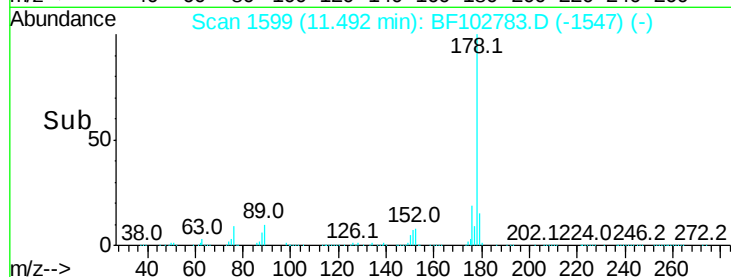
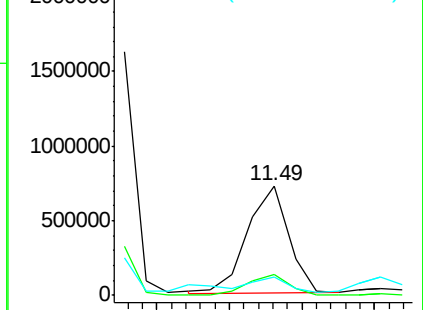


#71
 Anthracene
 Concen: 24.170 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.2	12.6	19.0

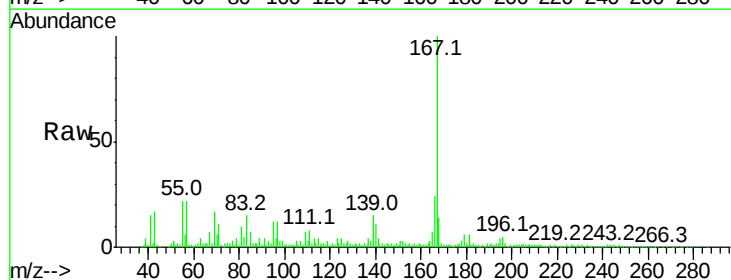


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

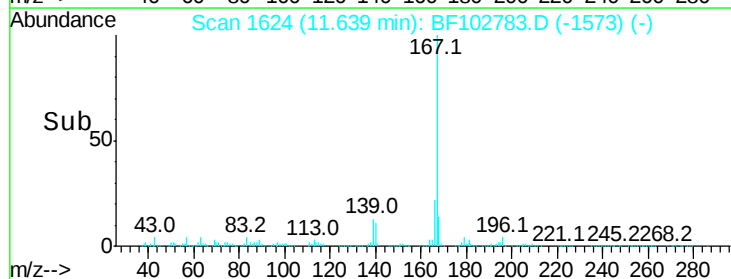
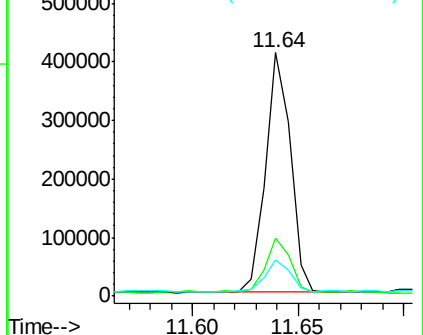


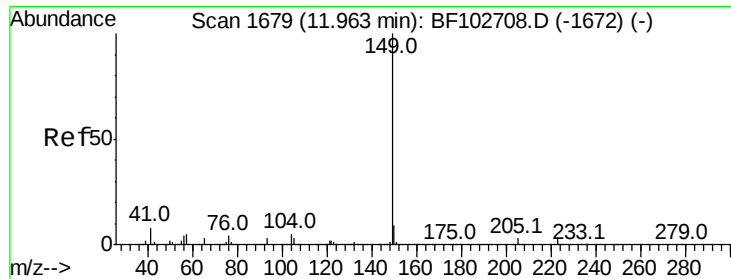
#72
 Carbazole
 Concen: 14.611 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.6	26.4
139	15.0	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: 4.129 ng

RT: 11.97 min Scan# 1680

Delta R.T. 0.00 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

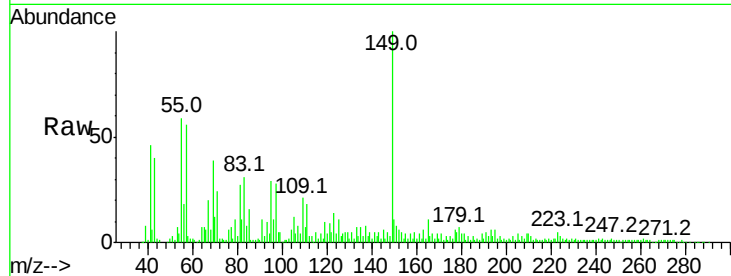
Tot Ion:149 Resp: 115699

Ion Ratio Lower Upper

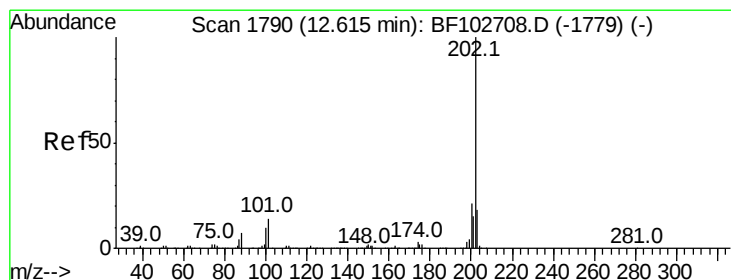
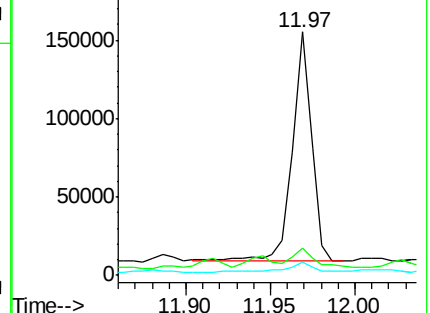
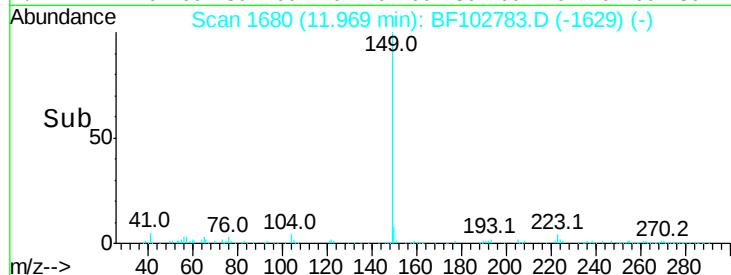
149 100

150 11.2 7.8 11.6

104 5.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 109.590 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.03 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

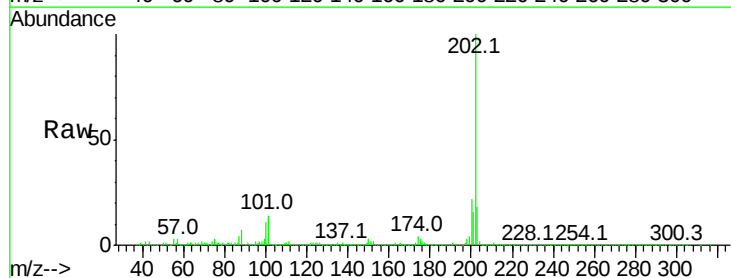
Tgt Ion:202 Resp: 2552635

Ion Ratio Lower Upper

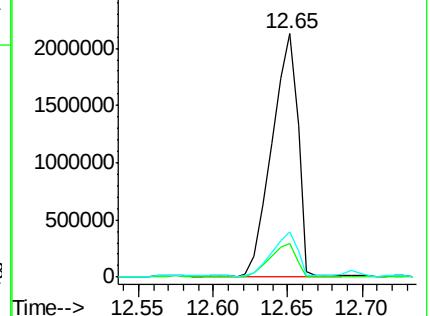
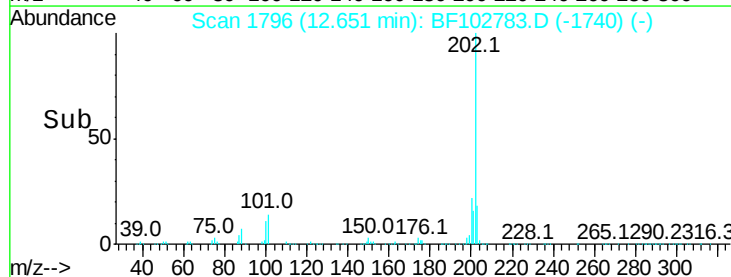
202 100

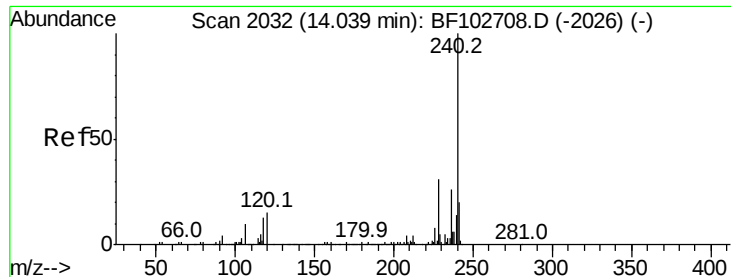
101 14.1 0.0 34.1

203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

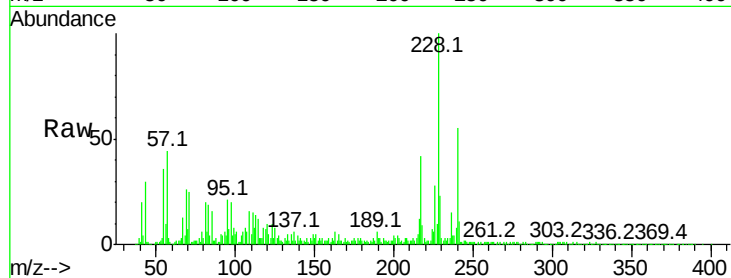
Tot Ion:240 Resp: 248313

Ion Ratio Lower Upper

240 100

120 18.2 9.5 14.3#

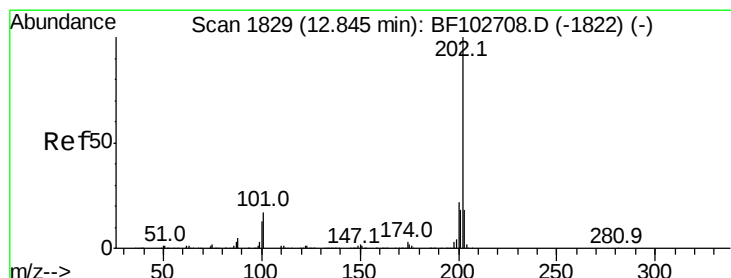
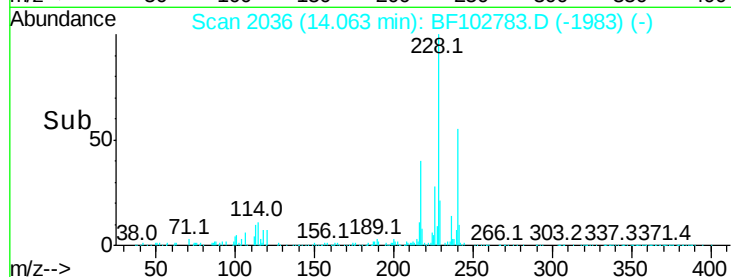
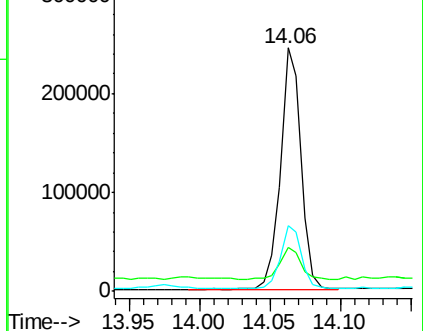
236 27.1 20.7 31.1



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



#77

Pyrene

Concen: 111.671 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

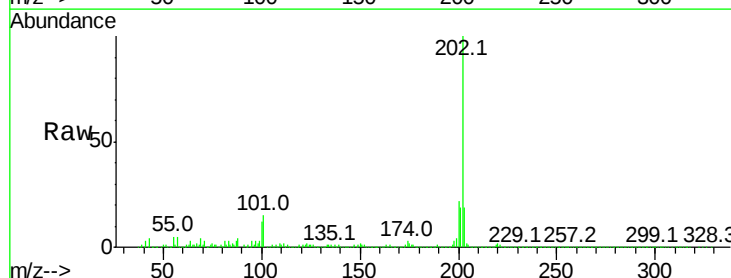
Tgt Ion:202 Resp: 2174415

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

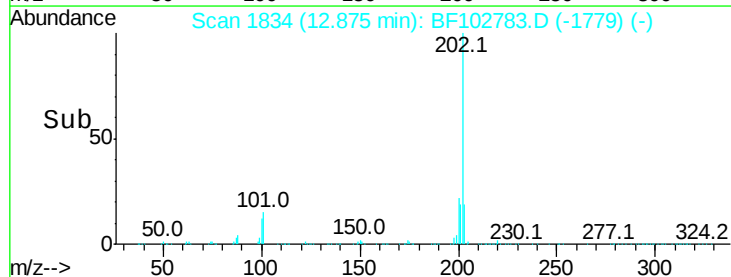
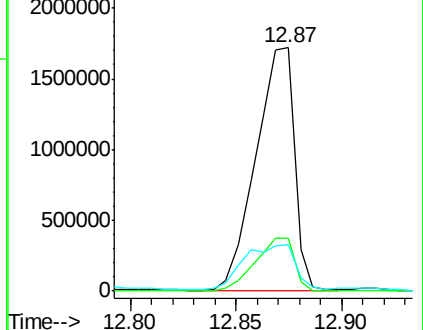
203 18.9 14.3 21.5

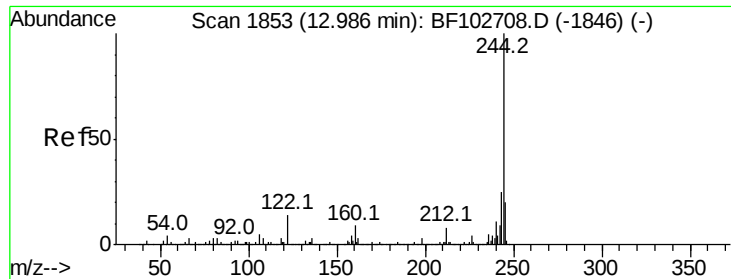


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.586 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

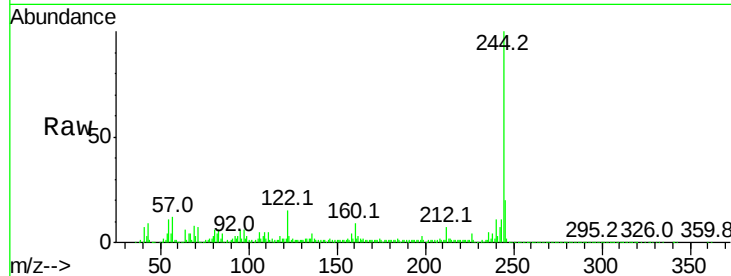
Tot Ion:244 Resp: 834636

Ion Ratio Lower Upper

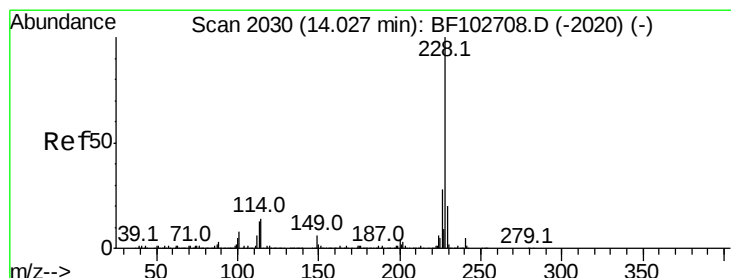
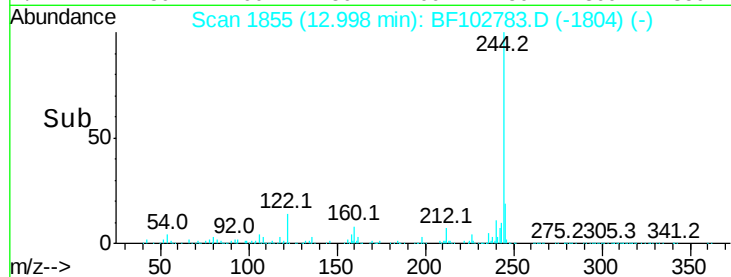
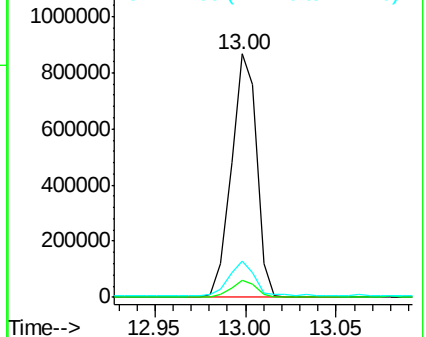
244 100

212 7.0 5.4 8.0

122 14.9 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



#80

Benzo(a)anthracene

Concen: 65.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

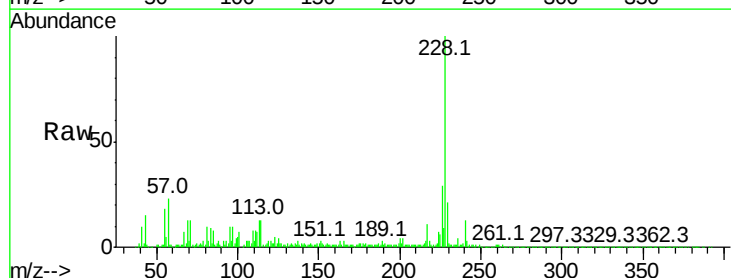
Tgt Ion:228 Resp: 1015080

Ion Ratio Lower Upper

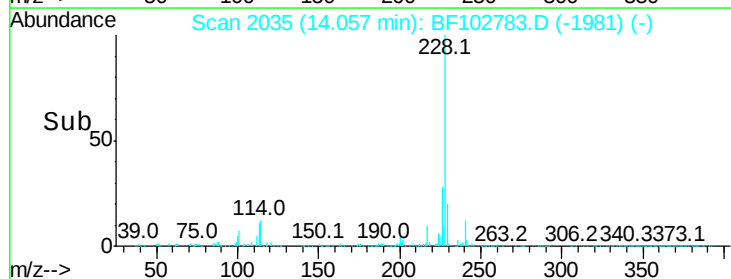
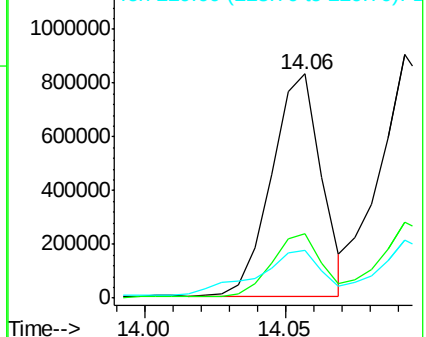
228 100

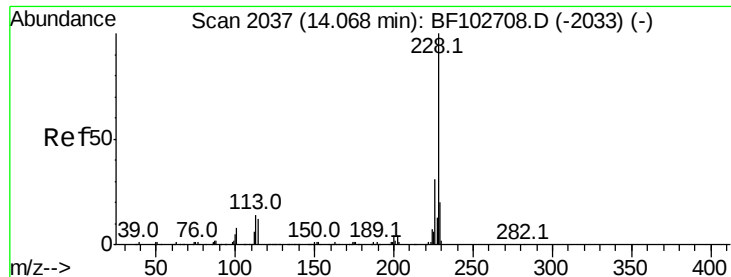
226 28.6 22.6 33.8

229 21.3 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





#82

Chrysene

Concen: 67.804 ng

RT: 14.09 min Scan# 2041

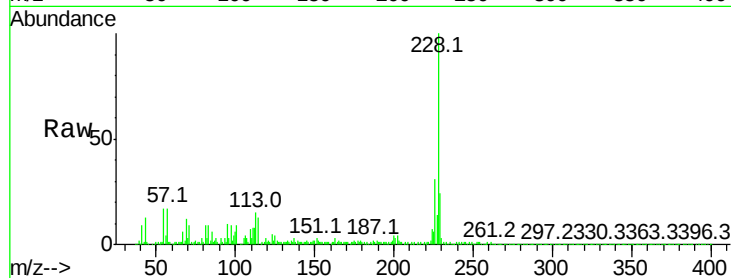
Delta R.T. 0.01 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

Tot Ion:228 Resp: 1067383

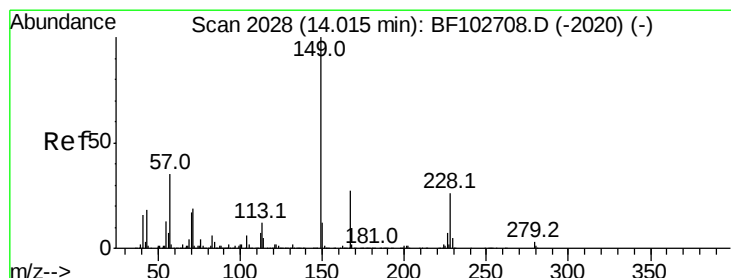
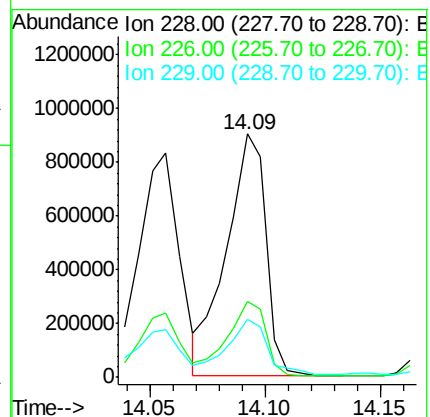
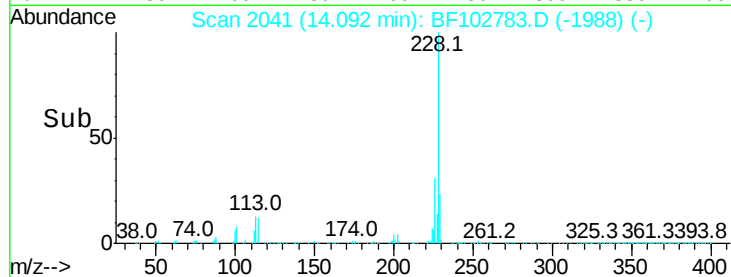
Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.7	16.2	24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.776 ng

RT: 14.03 min Scan# 2031

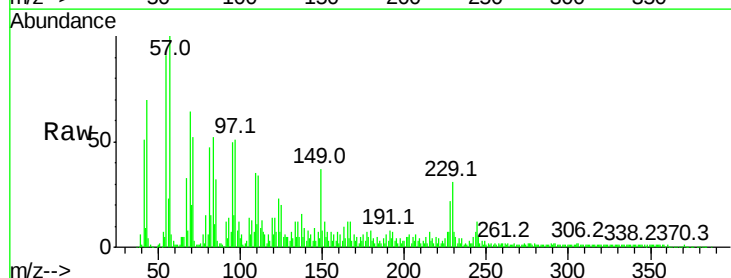
Delta R.T. 0.01 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

Tgt Ion:149 Resp: 56971

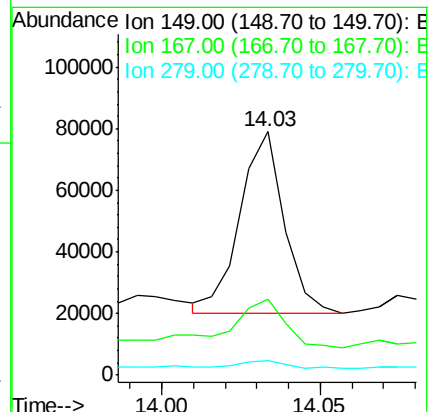
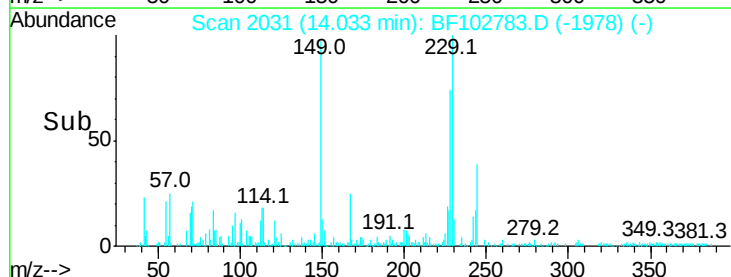
Ion	Ratio	Lower	Upper
149	100		
167	31.2	21.3	31.9
279	5.8	3.0	4.4#

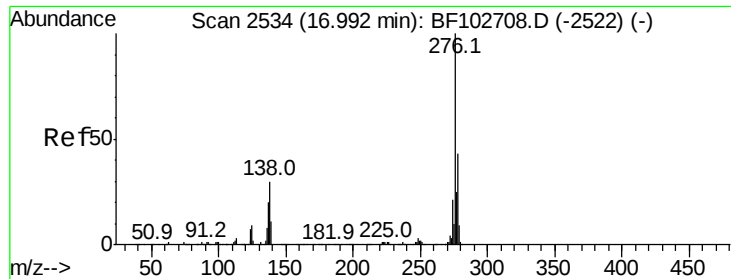


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.026 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.11 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

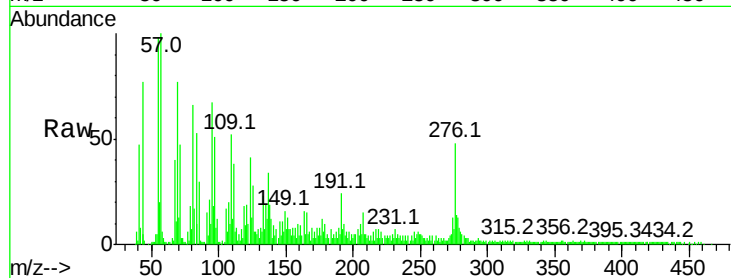
Tot Ion:276 Resp: 91740

Ion Ratio Lower Upper

276 100

138 31.1 25.0 37.6

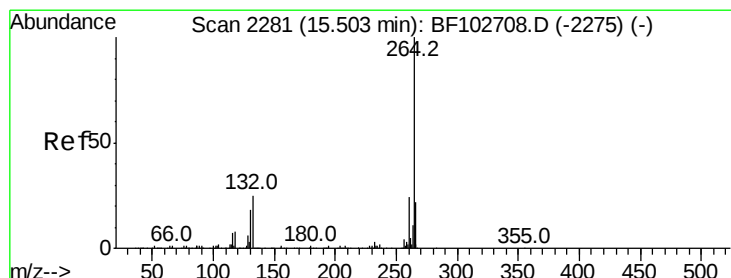
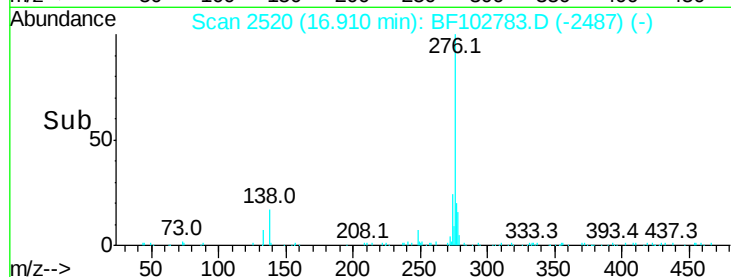
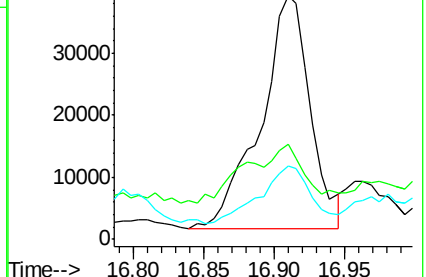
277 25.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.04 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

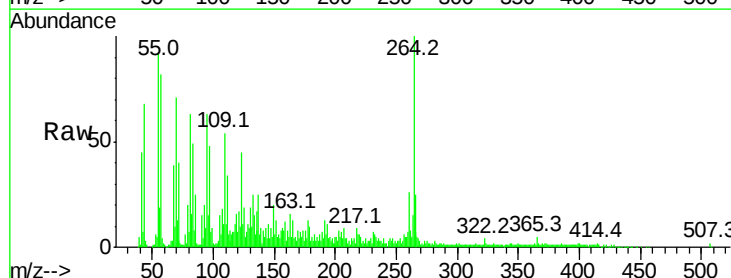
Tgt Ion:264 Resp: 234649

Ion Ratio Lower Upper

264 100

260 25.6 19.2 28.8

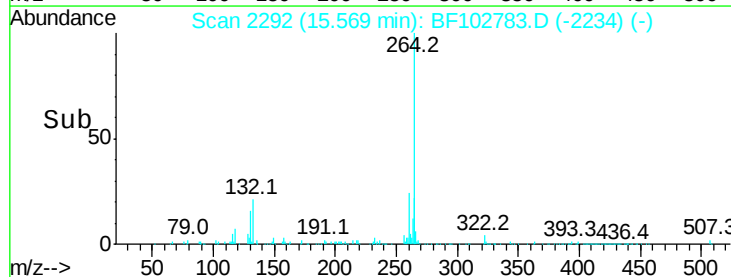
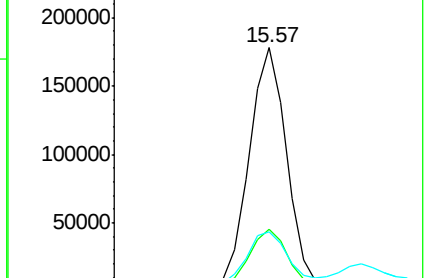
265 24.6 17.5 26.3

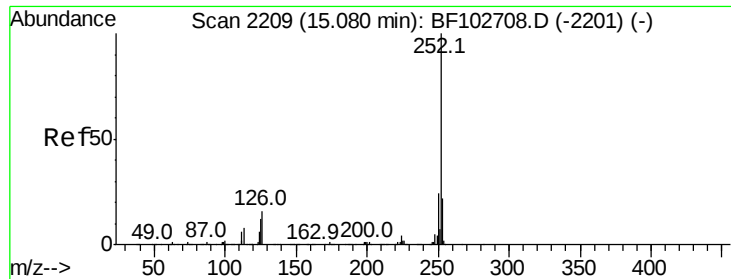


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 99.844 ng

RT: 15.13 min Scan# 2218

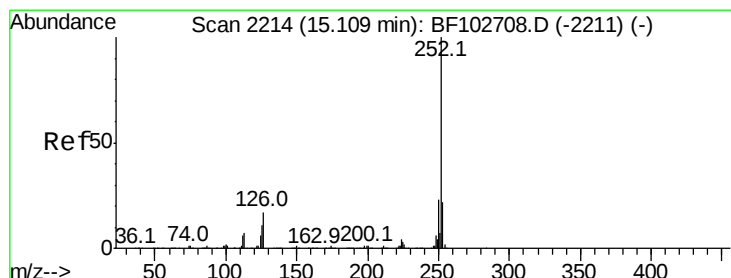
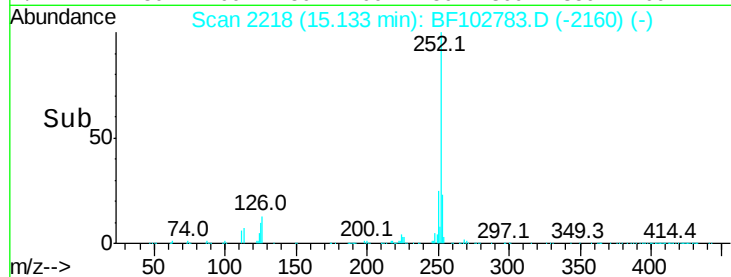
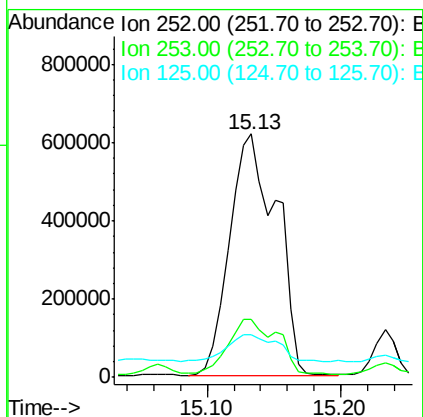
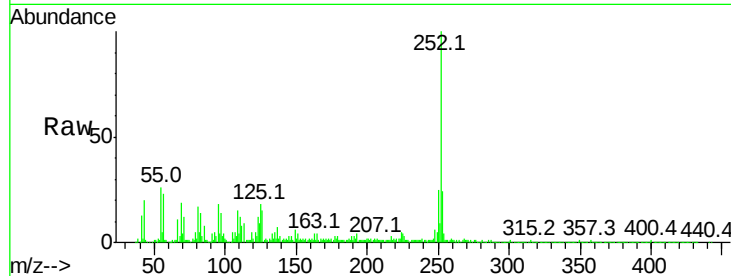
Delta R.T. 0.04 min

Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

Tot Ion:252 Resp: 1518938

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	17.8	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 104.495 ng

RT: 15.13 min Scan# 2218

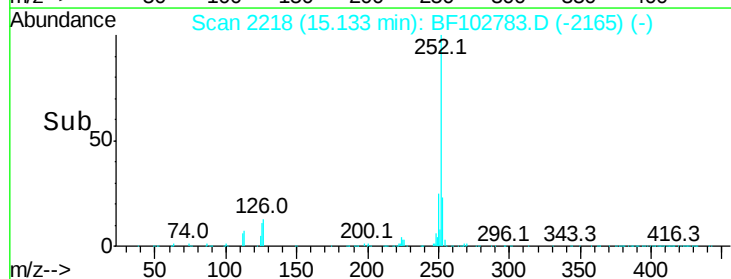
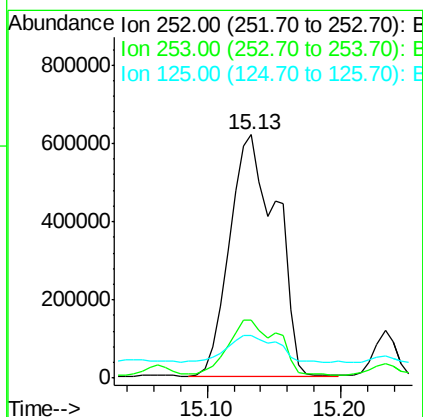
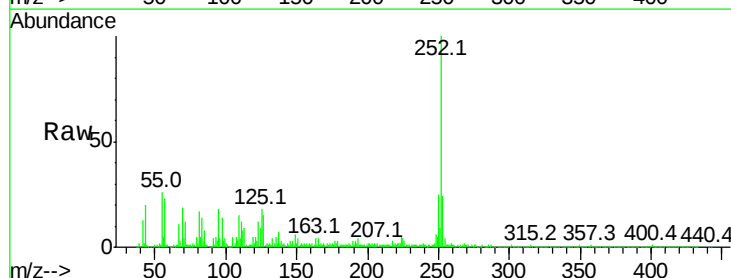
Delta R.T. 0.01 min

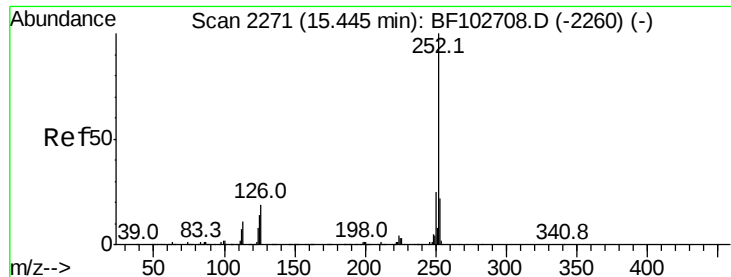
Lab File: BF102783.D

Acq: 6 Feb 2018 14:51

Tgt Ion:252 Resp: 1518938

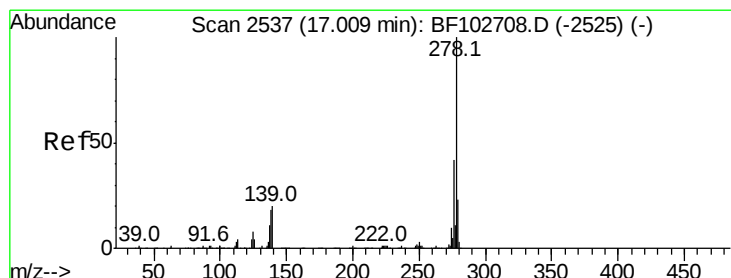
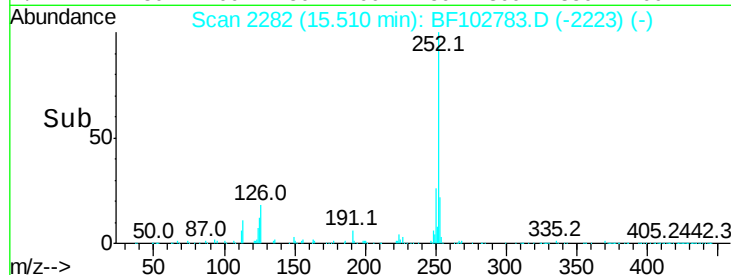
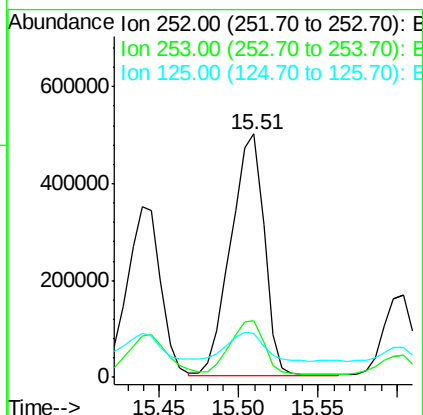
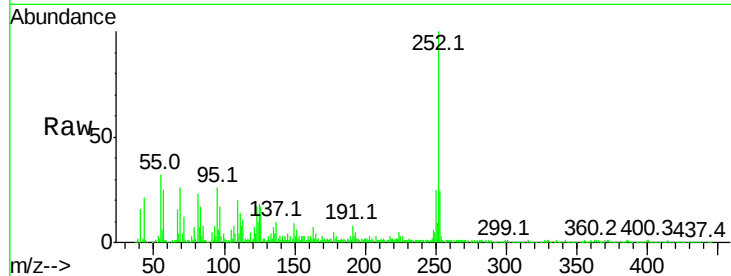
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	17.8	10.2	15.2





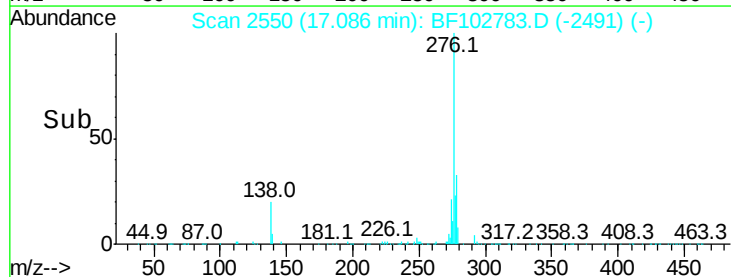
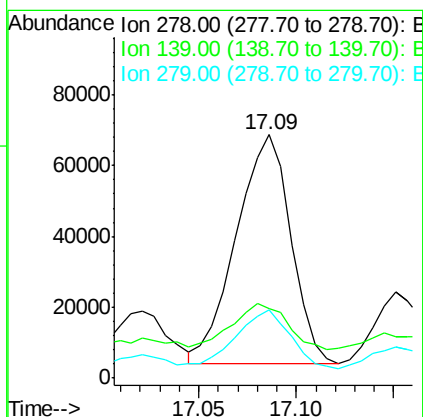
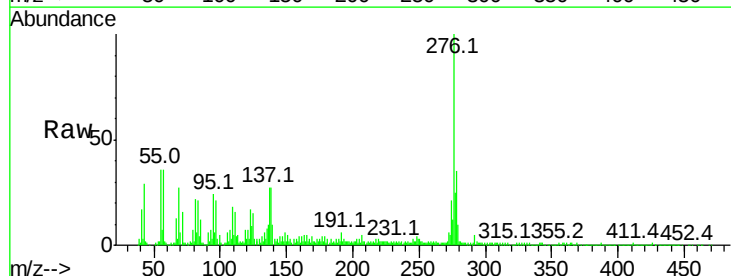
#89
Benzo(a)pyrene
Concen: 53.465 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.05 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

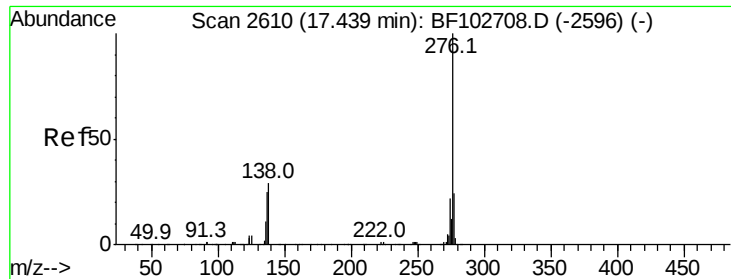
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	18.1	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 11.286 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.05 min
Lab File: BF102783.D
Acq: 6 Feb 2018 14:51

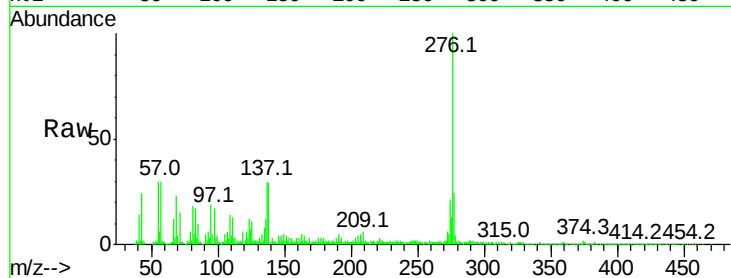
Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.5	15.9	23.9
279	27.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 40.831 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. 0.06 min
 Lab File: BF102783.D
 Acq: 6 Feb 2018 14:51

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	29.0	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

