

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102795.D
 Acq On : 6 Feb 2018 20:17
 Operator : SJ/JU
 Sample : J1459-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Feb 07 00:21:04 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	6.88	152	193583	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	769338	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	299425	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	420078	20.00	ng	0.00
75) Chrysene-d12	14.04	240	353672	20.00	ng	0.00
86) Perylene-d12	15.53	264	334107	20.00	ng	0.00

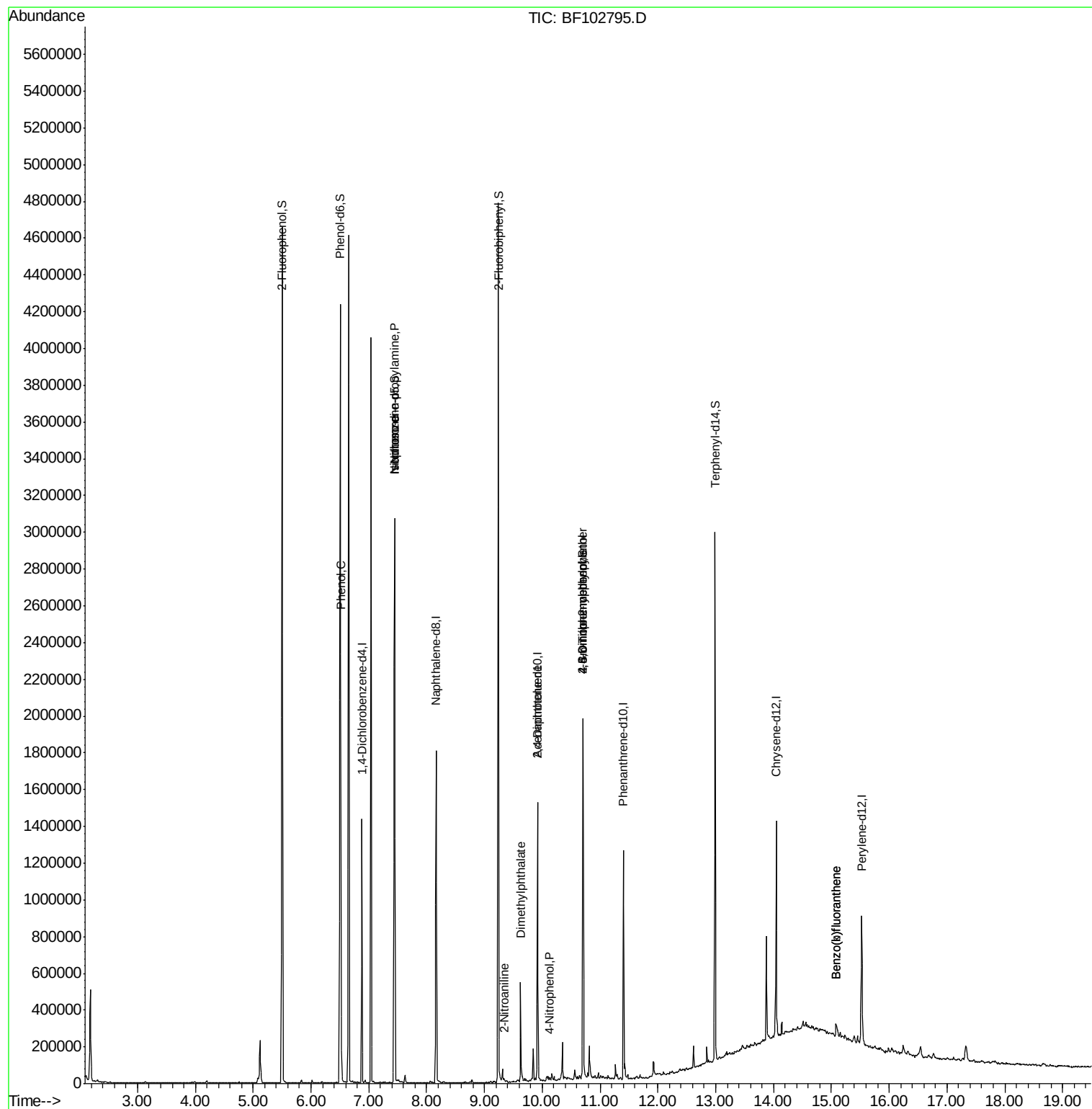
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1346722	105.65	ng	0.01
7) Phenol-d6	6.51	99	1600850	104.30	ng	0.00
23) Nitrobenzene-d5	7.45	82	966783	87.17	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	237953	98.73	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1490625	82.61	ng	0.00
78) Terphenyl-d14	12.99	244	971985	65.07	ng	0.00

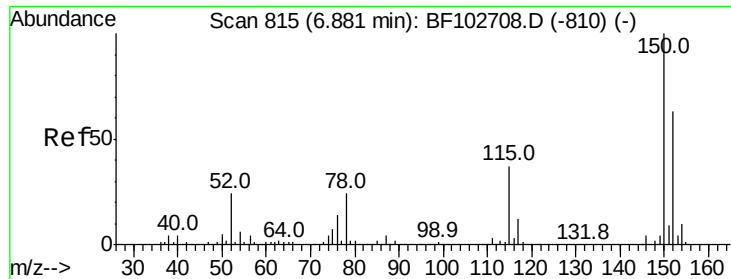
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	45726	2.780	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	126954	12.546	ng	# 83
25) Isophorone	7.45	82	966769	37.857	ng	# 64
47) 2-Nitroaniline	9.34	65	118	3.490	ng	# 2
49) Dimethylphthalate	9.63	163	190004	8.138	ng	99
55) 4-Nitrophenol	10.12	139	327	4.093	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	37623	8.987	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	411	9.010	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14846	3.341	ng	# 1
87) Benzo(b)fluoranthene	15.09	252	44334	2.047	ng	# 80
88) Benzo(k)fluoranthene	15.09	252	44334	2.142	ng	# 83

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

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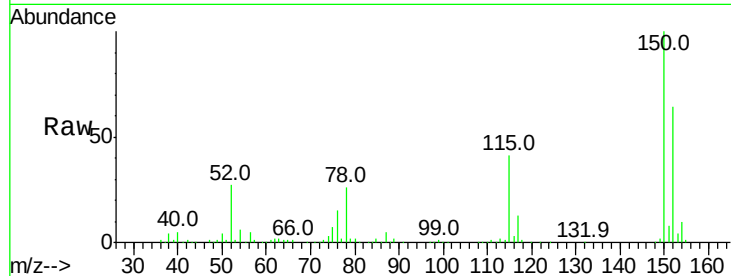




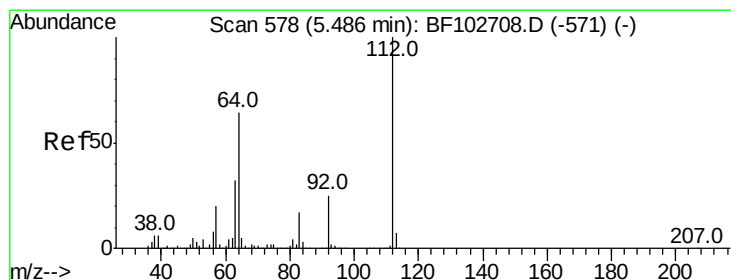
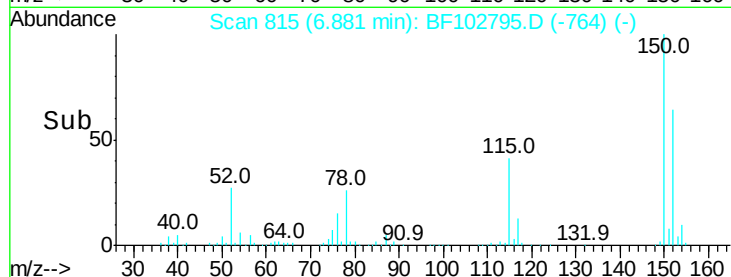
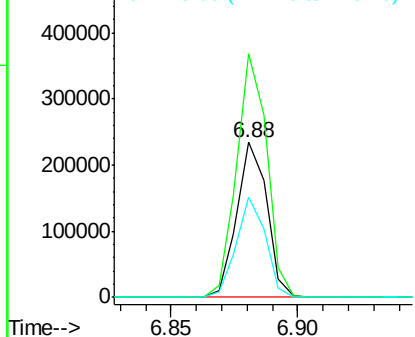
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102795.D
Acq: 6 Feb 2018 20:17

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	64.9	50.1	75.1



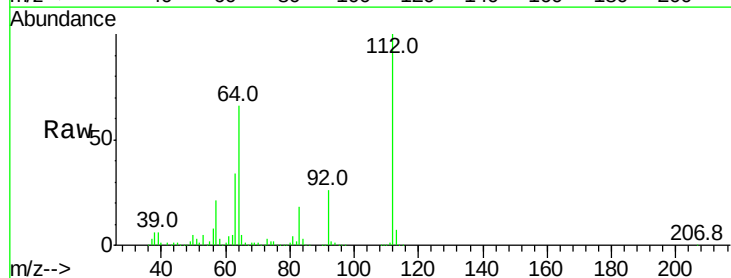
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



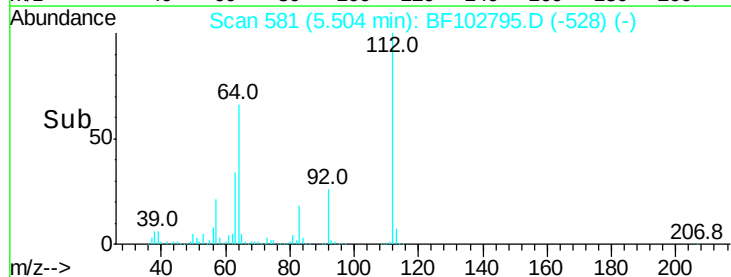
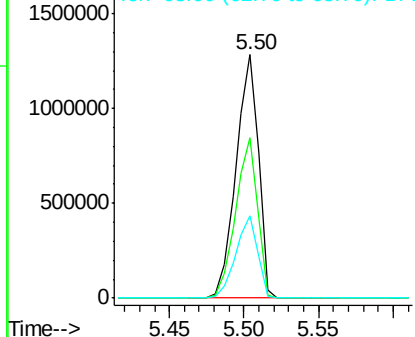
#5

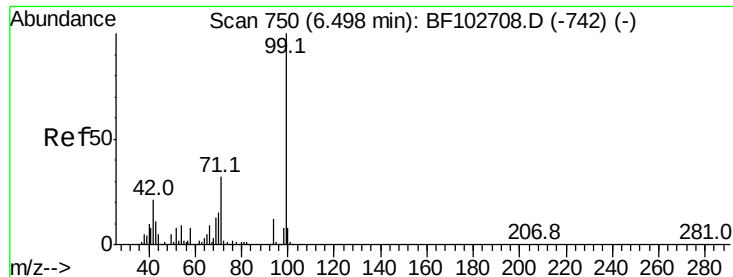
2-Fluorophenol
Concen: 105.651 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102795.D
Acq: 6 Feb 2018 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	33.9	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: 104.303 ng

RT: 6.51 min Scan# 752

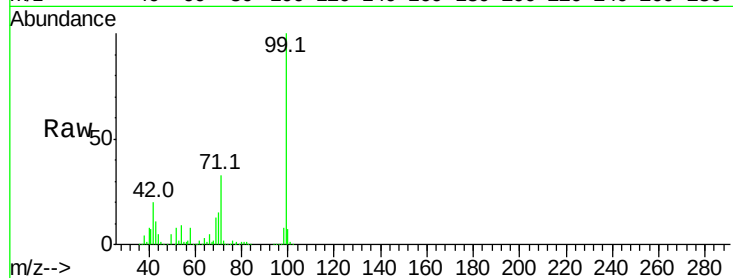
Delta R.T. 0.01 min

Lab File: BF102795.D

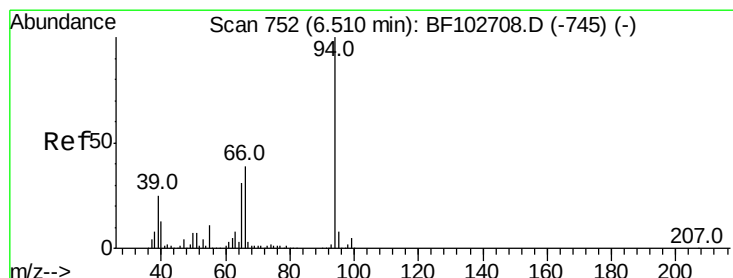
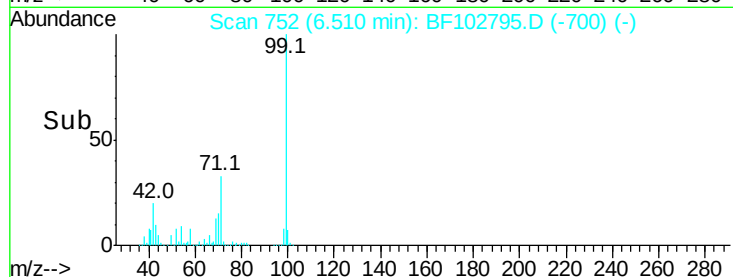
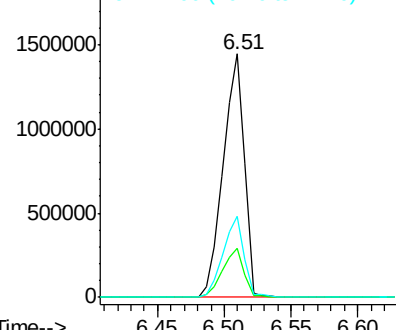
Acq: 6 Feb 2018 20:17

Tot Ion: 99 Resp: 1600850

Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	33.3	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



#10

Phenol

Concen: 2.780 ng

RT: 6.52 min Scan# 754

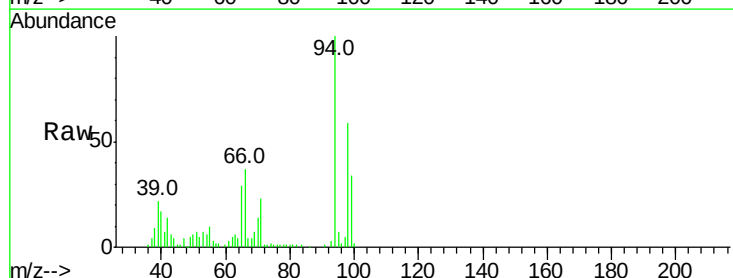
Delta R.T. -0.00 min

Lab File: BF102795.D

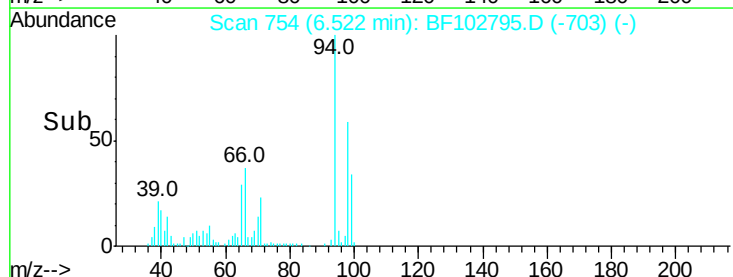
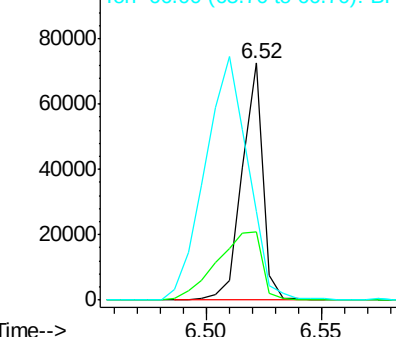
Acq: 6 Feb 2018 20:17

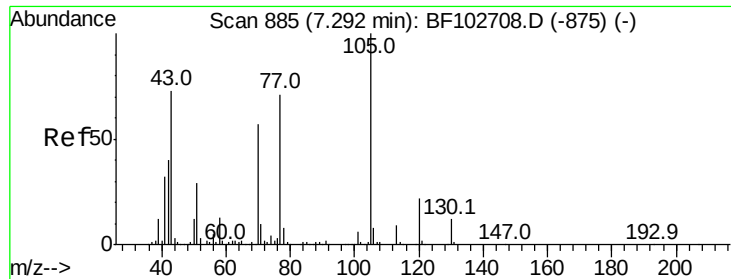
Tgt Ion: 94 Resp: 45726

Ion	Ratio	Lower	Upper
94	100		
65	28.8	7.9	47.9
66	37.2	16.2	56.2



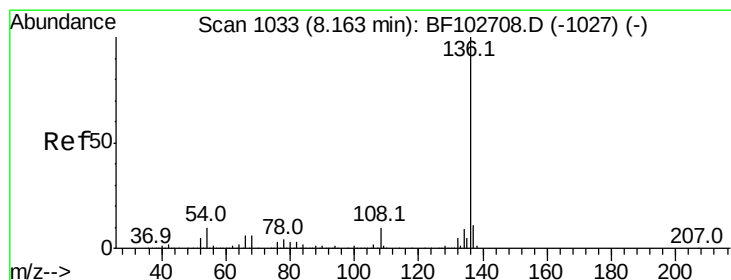
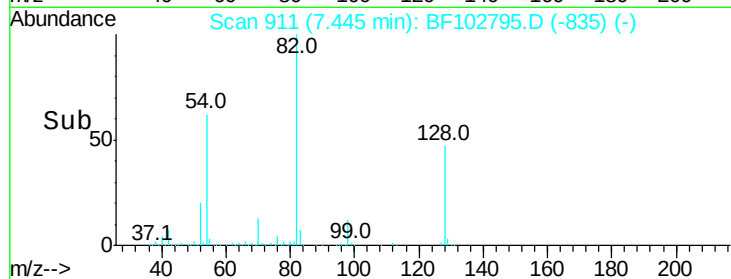
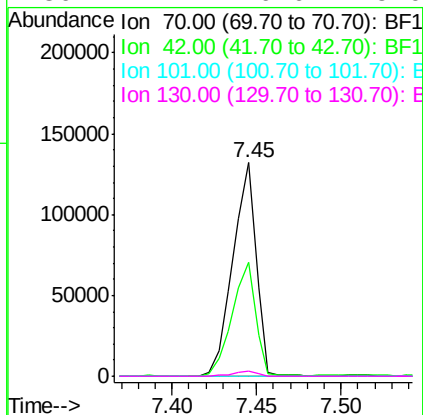
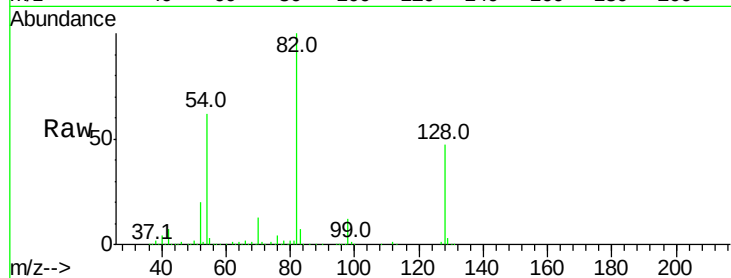
Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





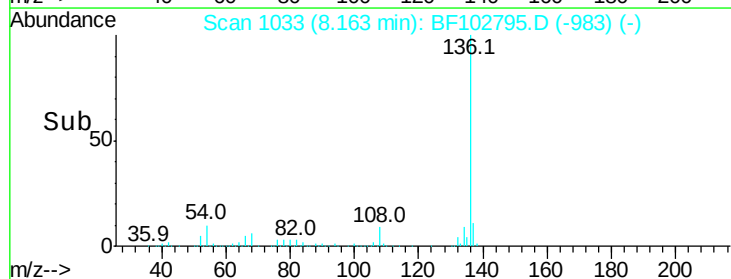
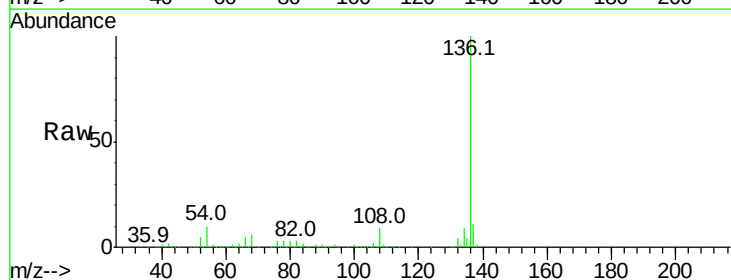
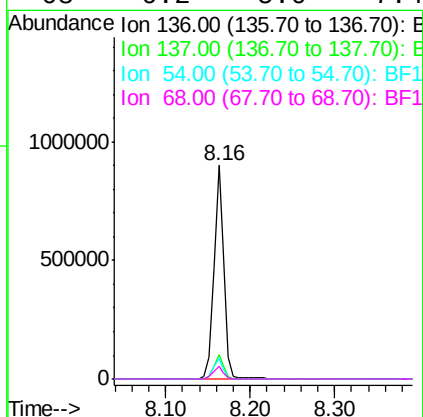
#19
 n-Nitroso-di-n-propylamine
 Concen: 12.546 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.15 min
 Lab File: BF102795.D
 Acq: 6 Feb 2018 20:17

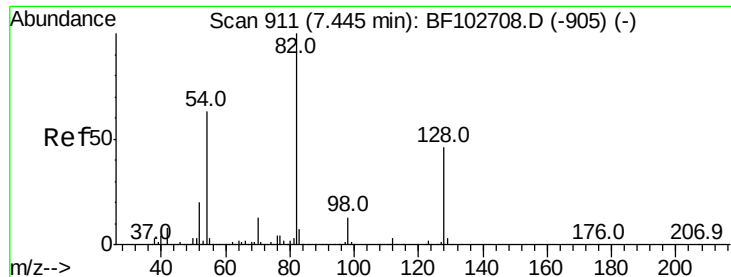
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF102795.D
 Acq: 6 Feb 2018 20:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.9	6.6	9.8#
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 87.174 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

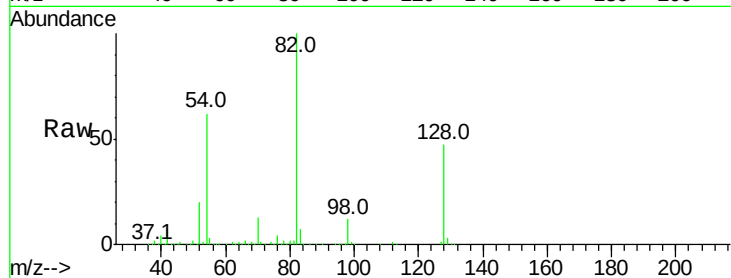
Tot Ion: 82 Resp: 966783

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

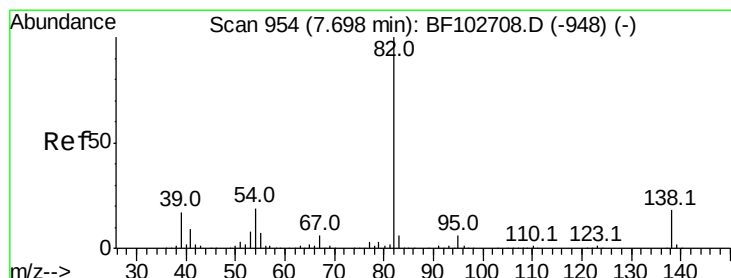
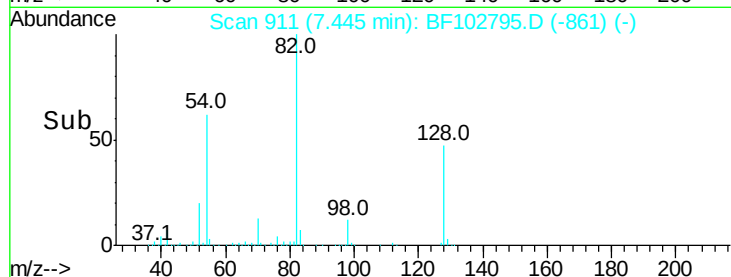
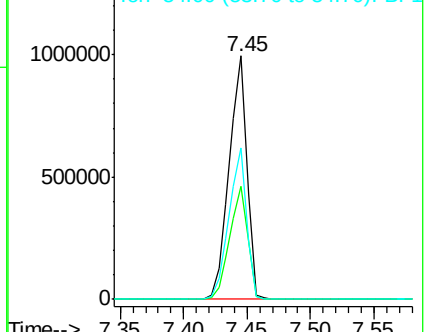
54 62.1 41.4 62.2



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



#25

Isophorone

Concen: 37.857 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

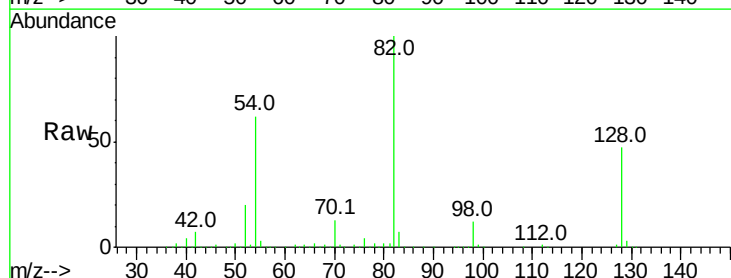
Tgt Ion: 82 Resp: 966769

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

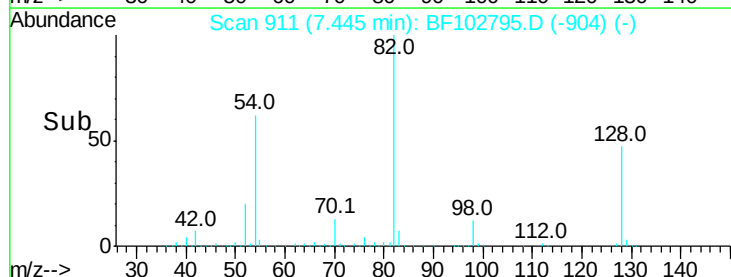
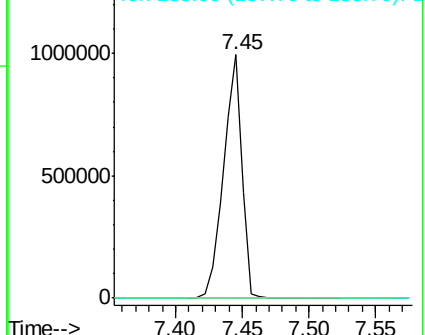
138 0.0 14.9 22.3#

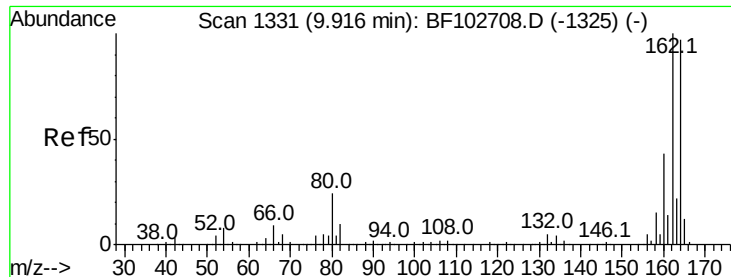


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

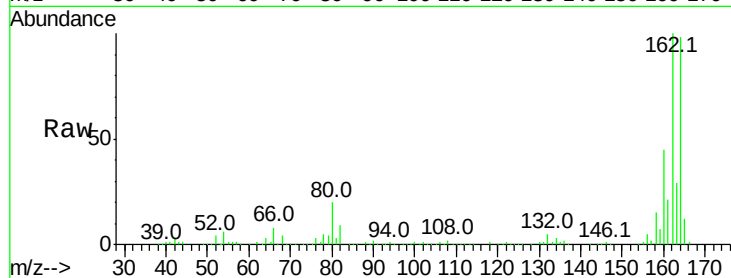
Tot Ion:164 Resp: 299425

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

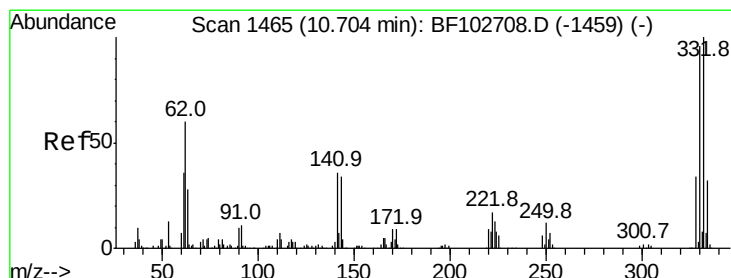
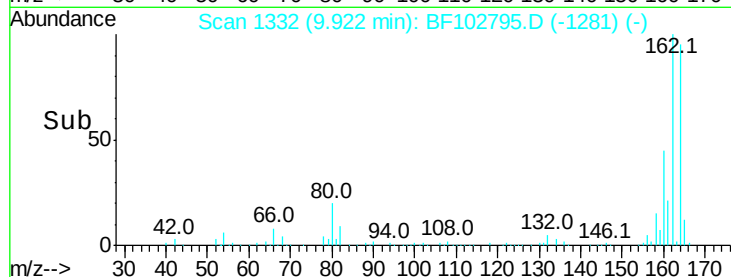
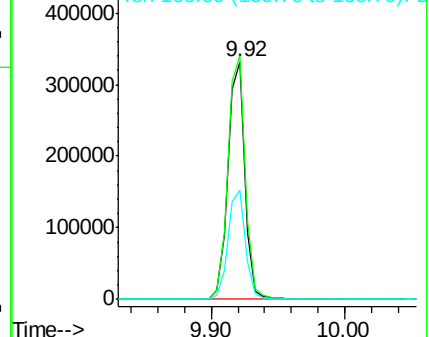
160 45.9 38.3 57.5



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: 98.735 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

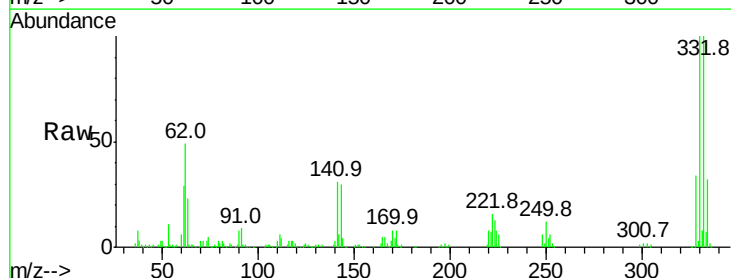
Tgt Ion:330 Resp: 237953

Ion Ratio Lower Upper

330 100

332 101.9 77.0 115.6

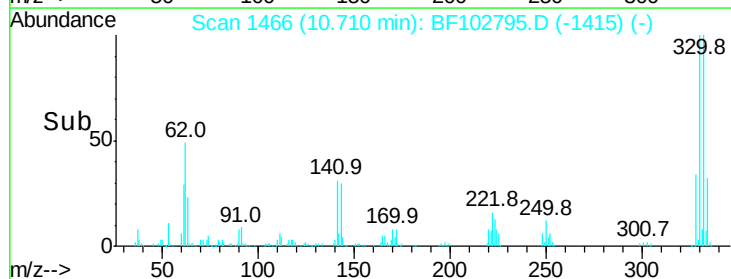
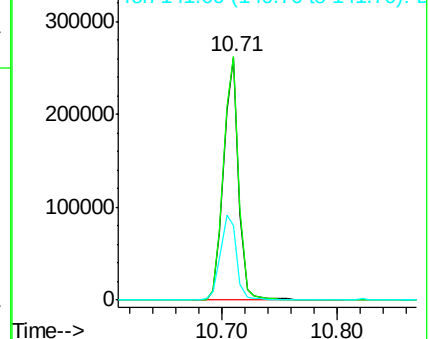
141 37.7 29.9 44.9

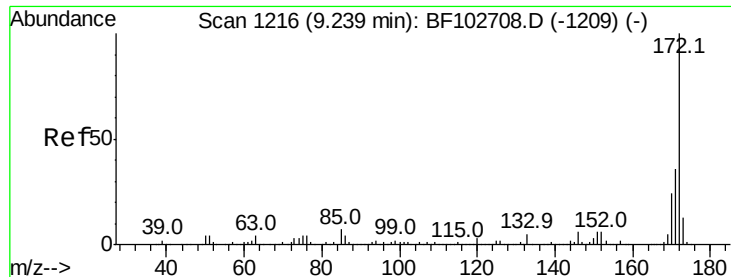


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

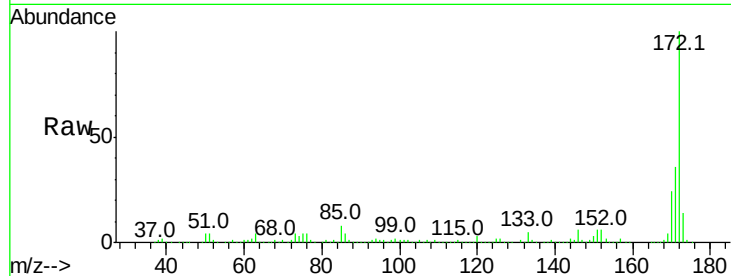




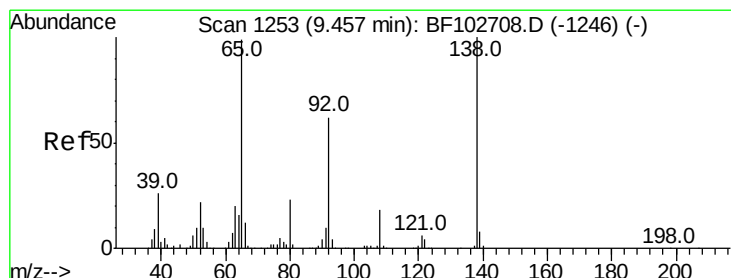
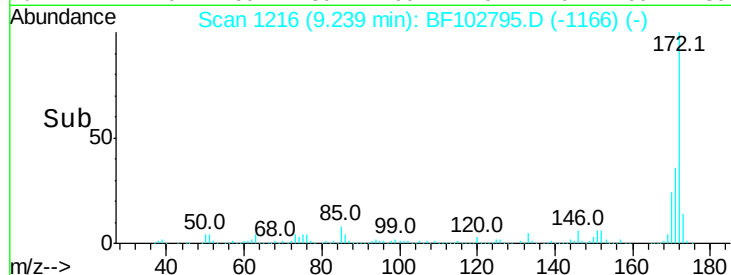
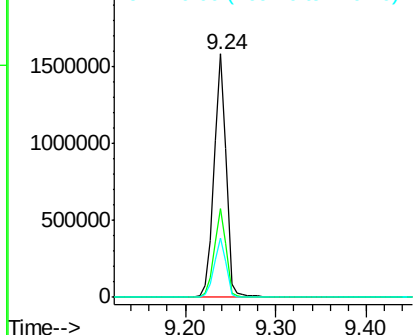
#44
 2-Fluorobiphenyl
 Concen: 82.608 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102795.D
 Acq: 6 Feb 2018 20:17

Tot Ion:172 Resp: 1490625

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	19.6	29.4



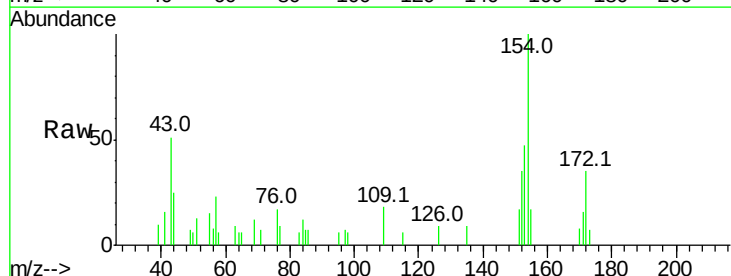
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



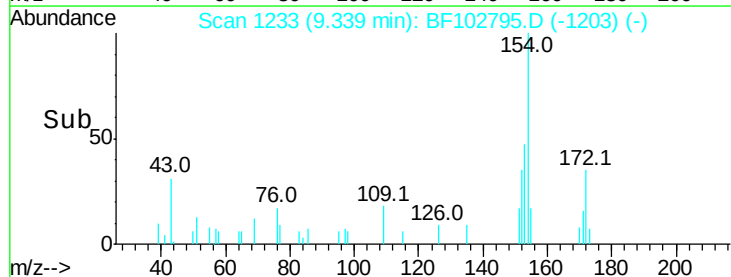
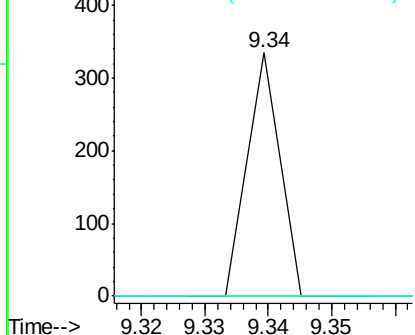
#47
 2-Nitroaniline
 Concen: 3.490 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.12 min
 Lab File: BF102795.D
 Acq: 6 Feb 2018 20:17

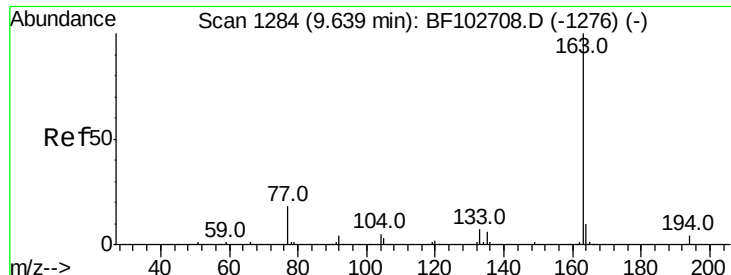
Tgt Ion: 65 Resp: 118

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#



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





#49

Dimethylphthalate

Concen: 8.138 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

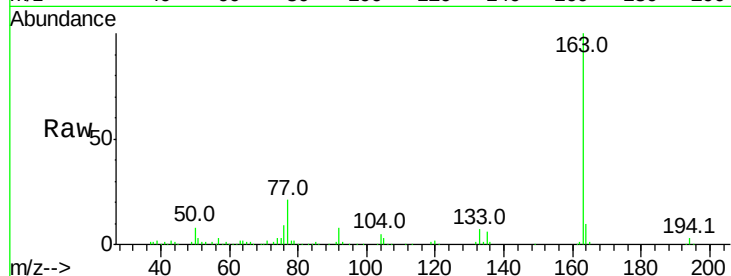
Tot Ion:163 Resp: 190004

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

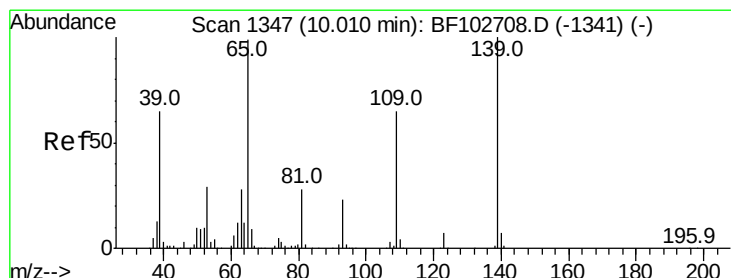
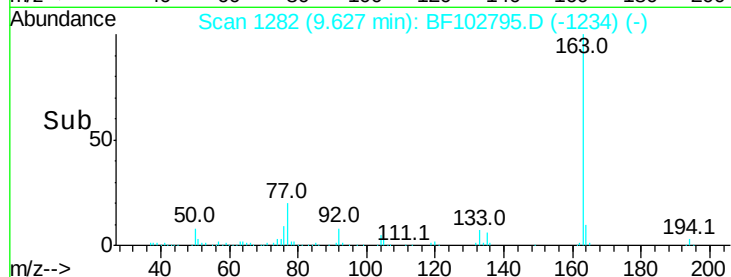
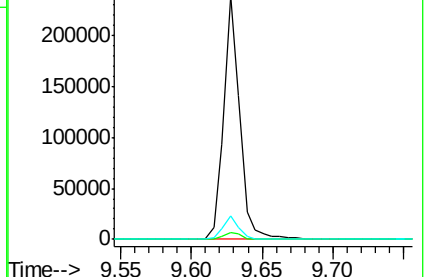
164 9.6 8.2 12.2



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



#55

4-Nitrophenol

Concen: 4.093 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

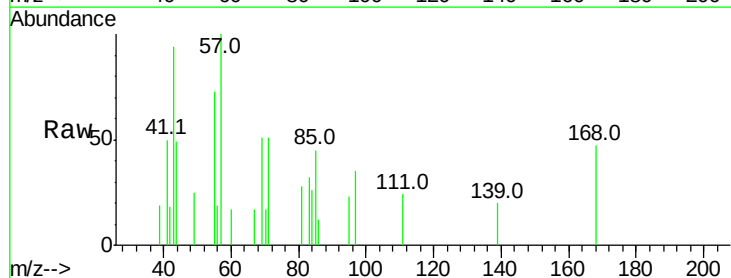
Tgt Ion:139 Resp: 327

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

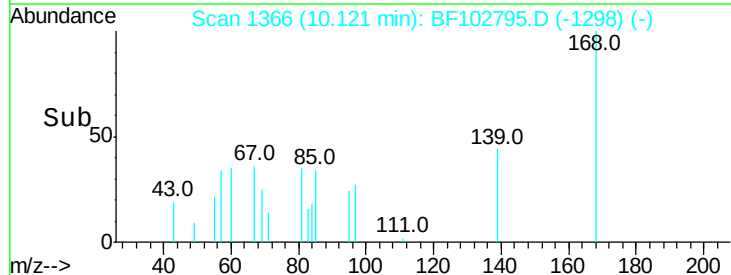
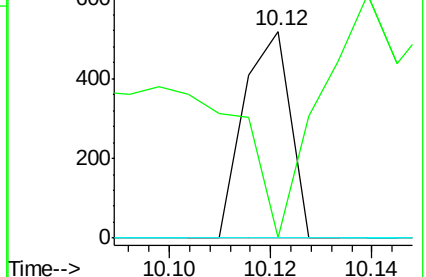
65 0.0 72.6 112.6#

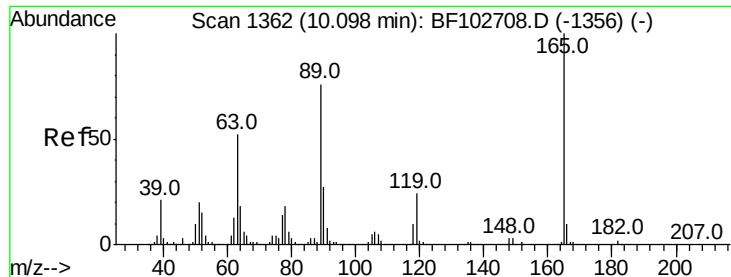


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

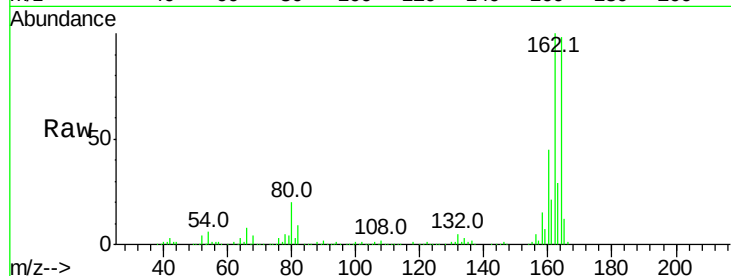
Ion 65.00 (64.70 to 65.70): BF1



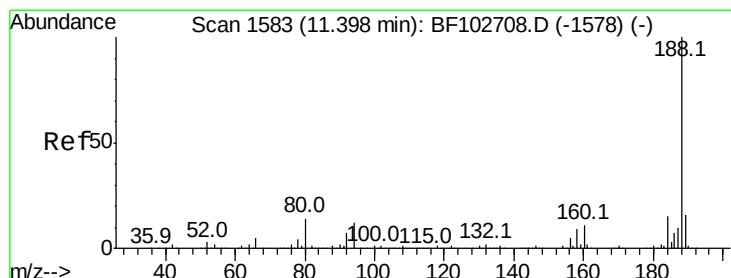
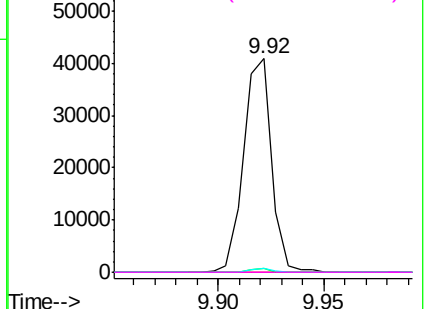
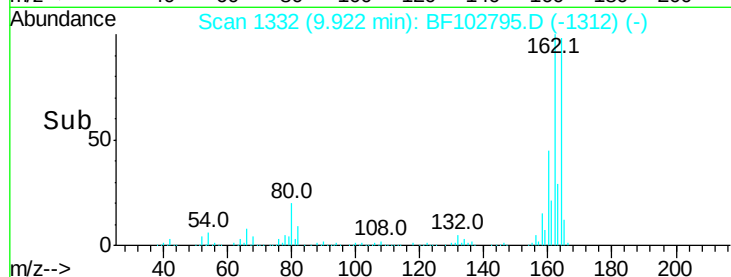


#56
 2,4-Dinitrotoluene
 Concen: 8.987 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102795.D
 Acq: 6 Feb 2018 20:17

Tot Ion:165 Resp: 37623
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#

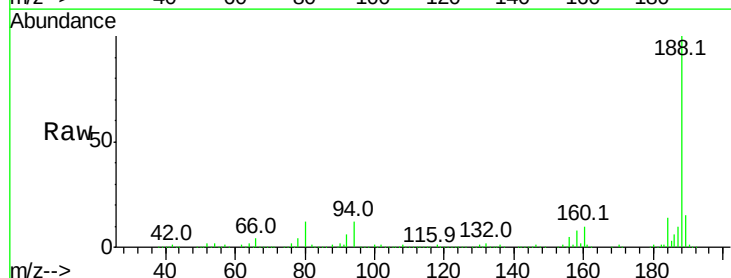


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

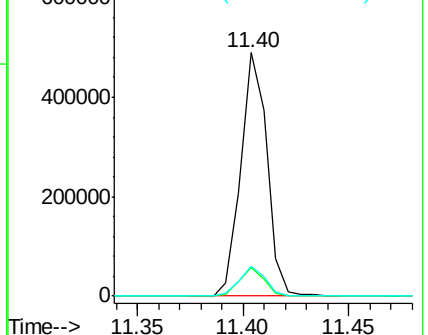
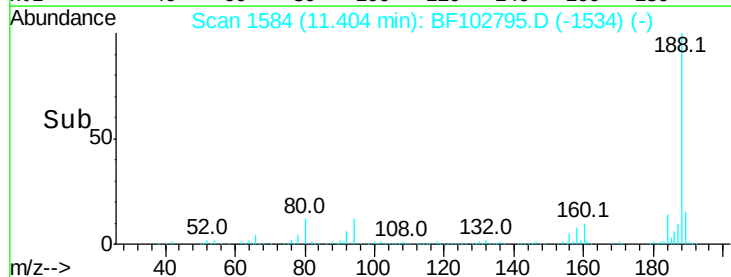


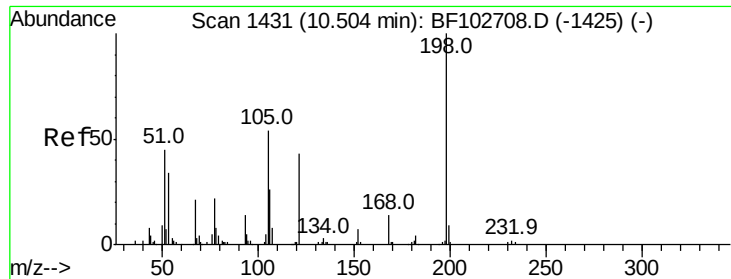
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102795.D
 Acq: 6 Feb 2018 20:17

Tgt Ion:188 Resp: 420078
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 12.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 9.010 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

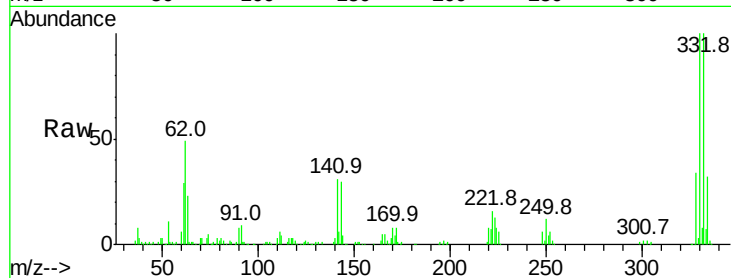
Tot Ion:198 Resp: 411

Ion Ratio Lower Upper

198 100

51 158.0 37.7 77.7#

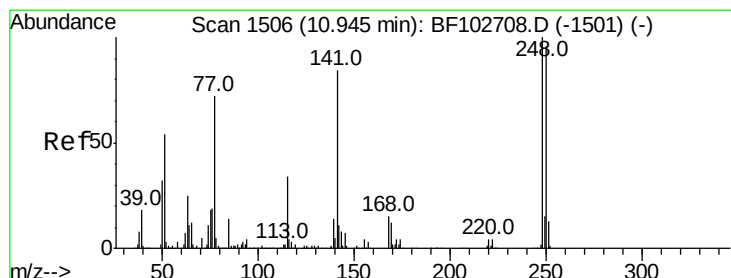
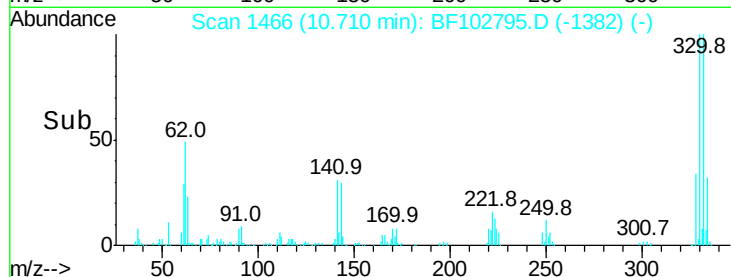
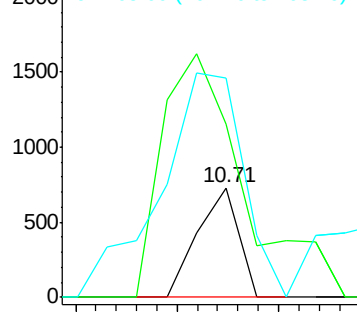
105 200.0 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.341 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

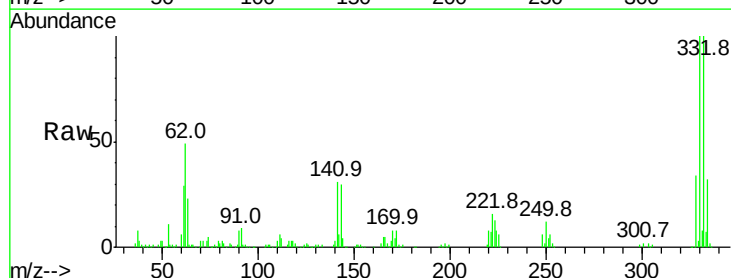
Tgt Ion:248 Resp: 14846

Ion Ratio Lower Upper

248 100

250 202.6 76.9 115.3#

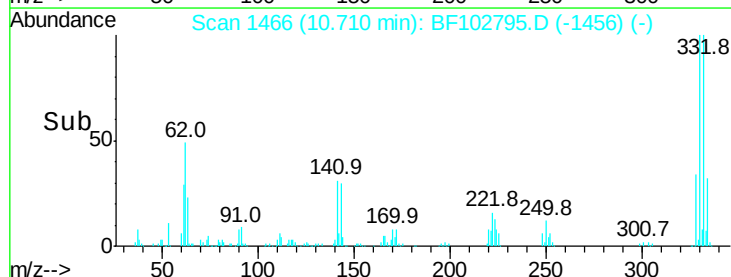
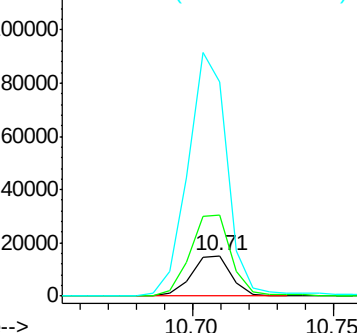
141 535.6 74.4 111.6#

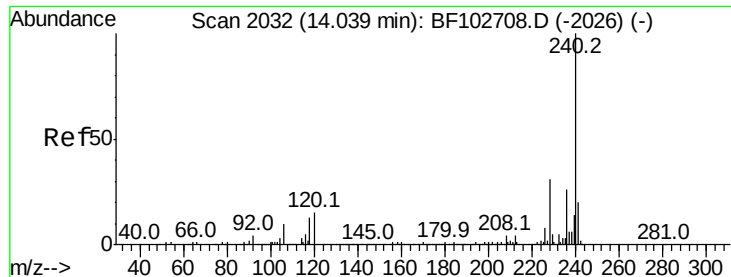


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

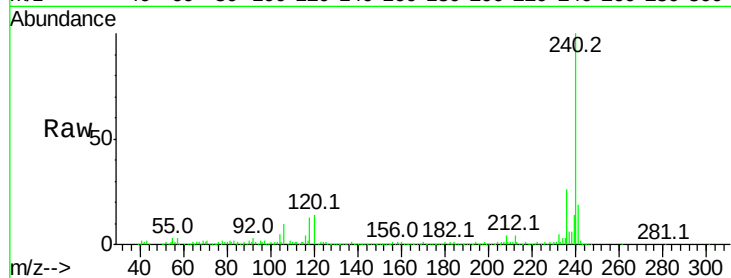
Tot Ion:240 Resp: 353672

Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	26.4	20.7	31.1

240 100

120 14.4 9.5 14.3#

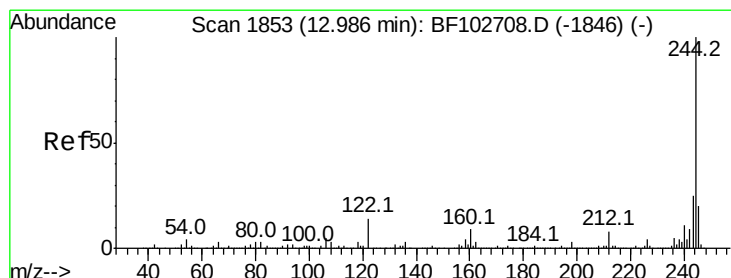
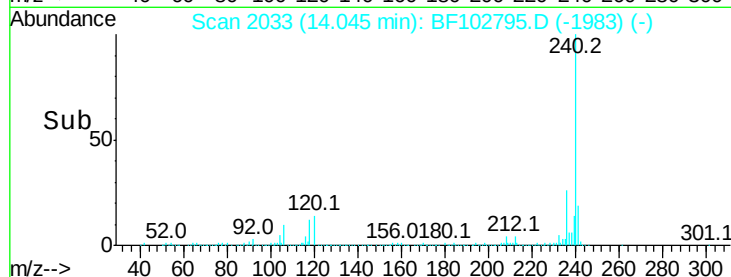
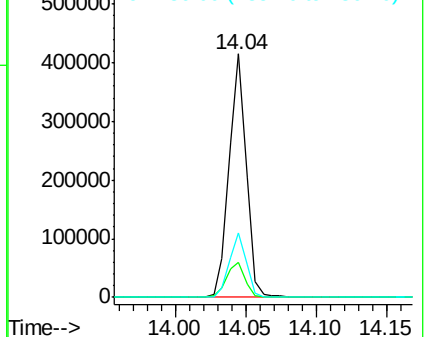
236 26.4 20.7 31.1



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



#78

Terphenyl-d14

Concen: 65.073 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

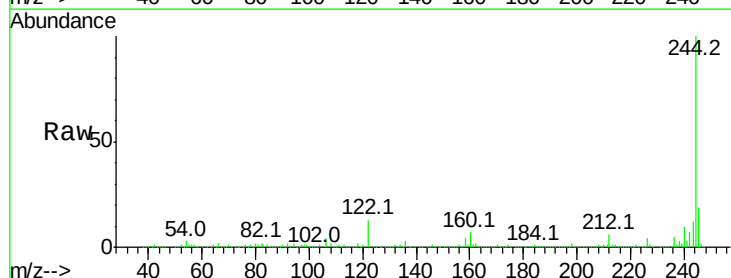
Tgt Ion:244 Resp: 971985

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.7	11.0	16.4

244 100

212 6.3 5.4 8.0

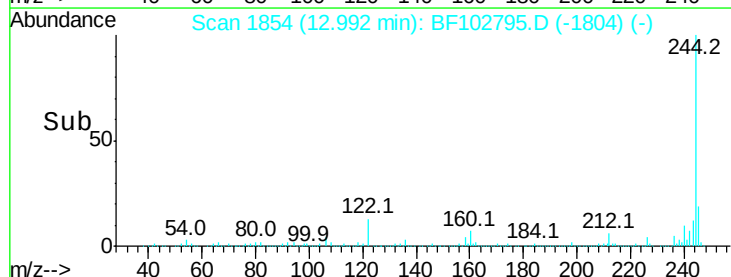
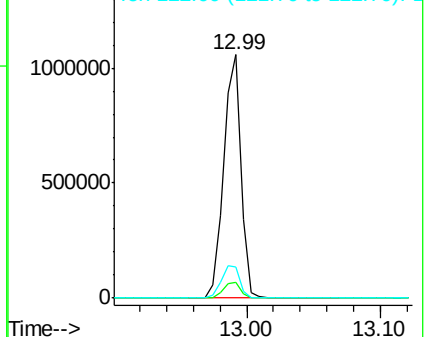
122 12.7 11.0 16.4

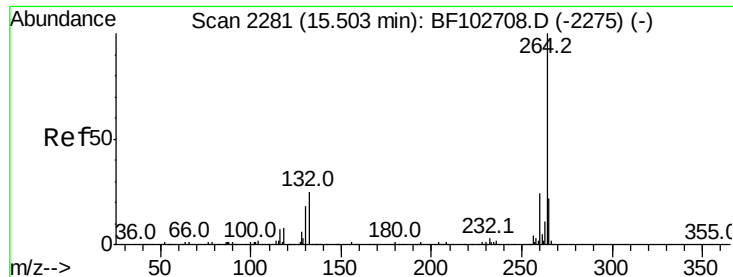


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

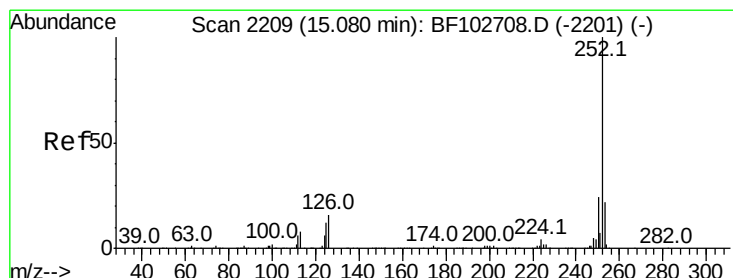
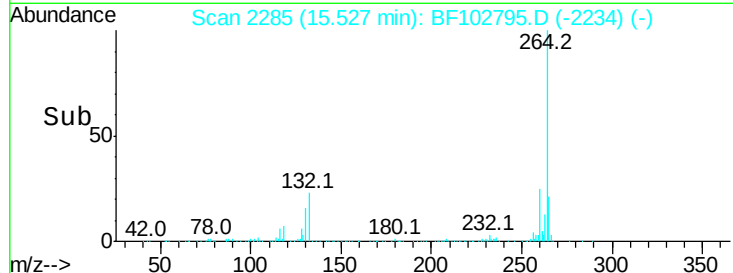
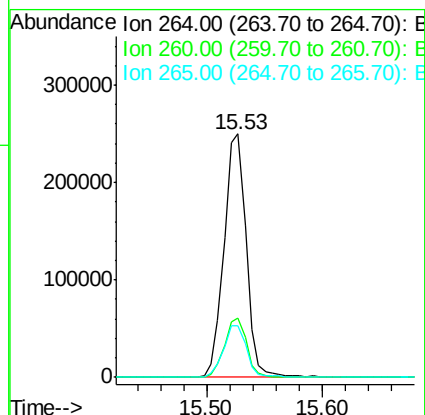
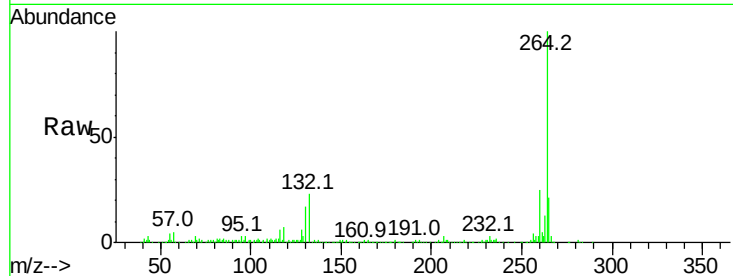
Ion 122.00 (121.70 to 122.70): E





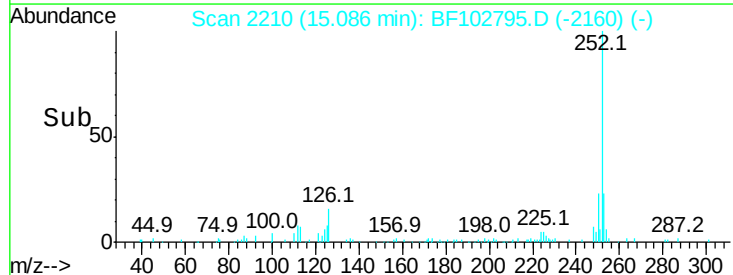
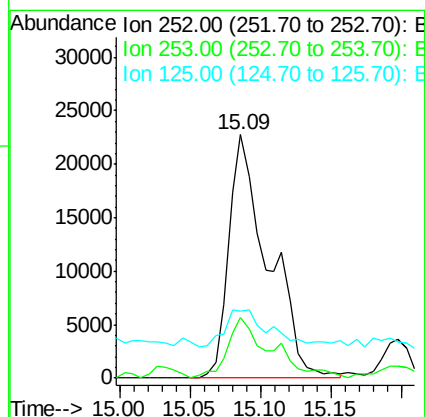
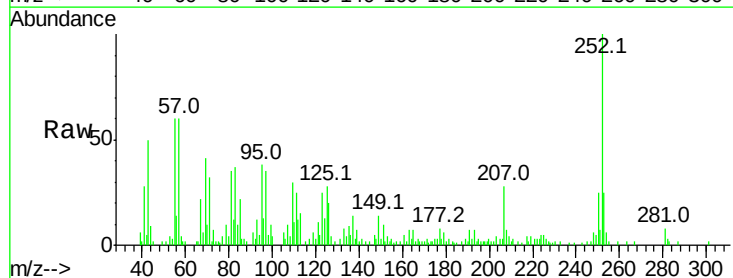
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF102795.D
Acq: 6 Feb 2018 20:17

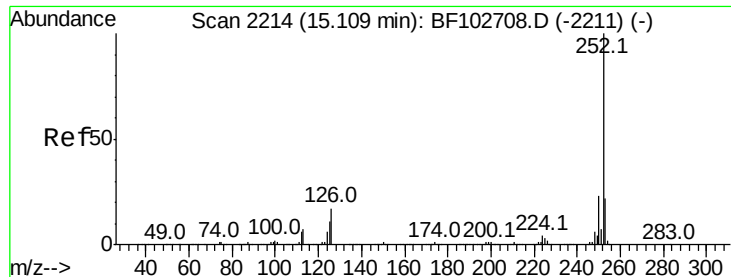
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 2.047 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102795.D
Acq: 6 Feb 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	27.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.142 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.04 min

Lab File: BF102795.D

Acq: 6 Feb 2018 20:17

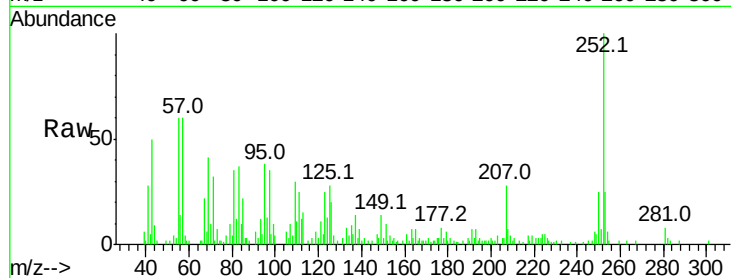
Tot Ion:252 Resp: 44334

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 27.6 10.2 15.2#



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

