

Data Path : U:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102790.D
 Acq On : 6 Feb 2018 18:02
 Operator : SJ/JU
 Sample : J1457-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Feb 06 19:02:39 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	203537	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	807853	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	318061	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	424486	20.00	ng	0.00
75) Chrysene-d12	14.04	240	379670	20.00	ng	0.00
86) Perylene-d12	15.53	264	348066	20.00	ng	0.00

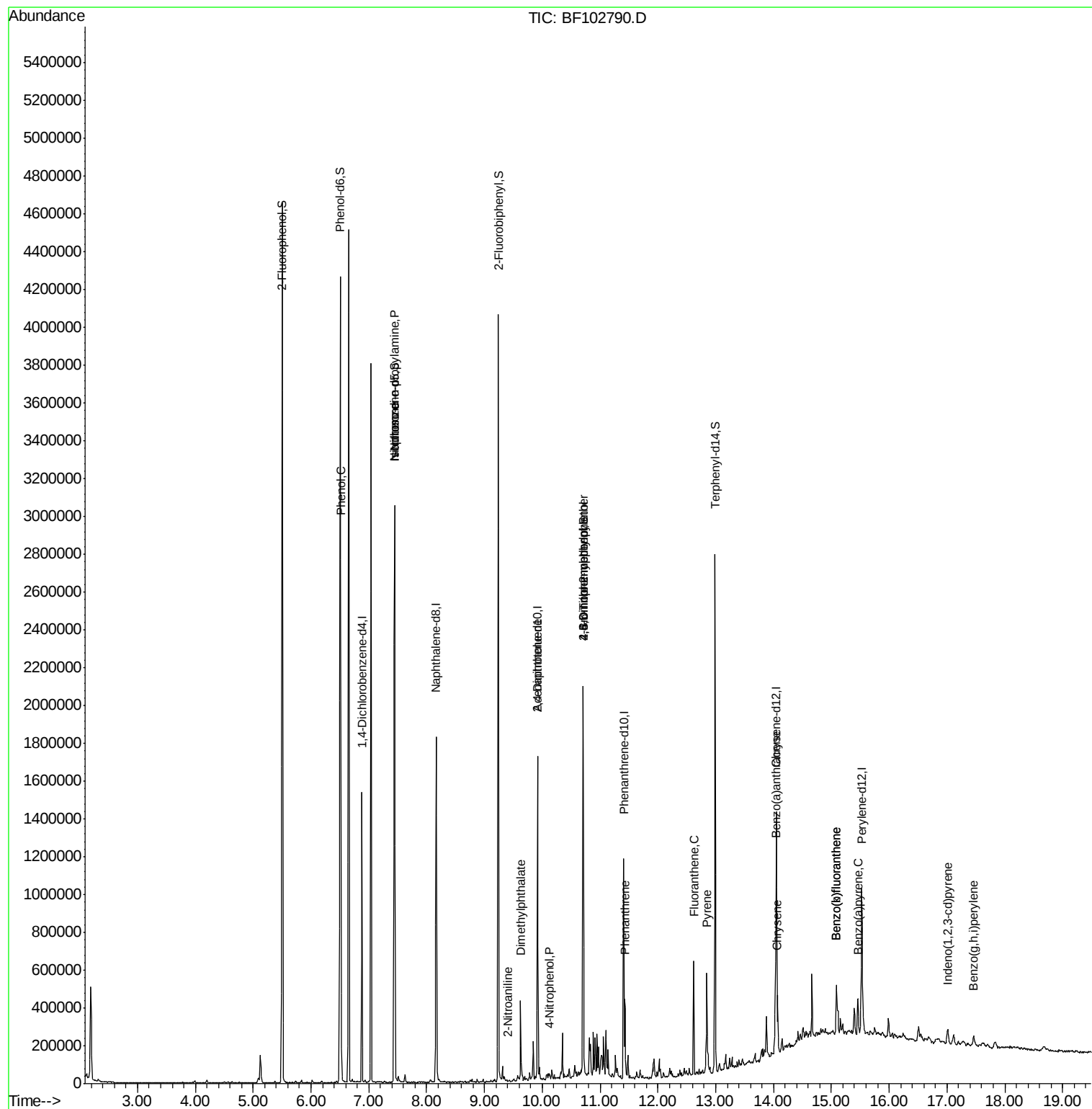
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1390329	103.74	ng	0.01
7) Phenol-d6	6.51	99	1621821	100.50	ng	0.00
23) Nitrobenzene-d5	7.45	82	966242	82.97	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	231857	90.57	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1227451	64.04	ng	0.00
78) Terphenyl-d14	12.99	244	866222	54.02	ng	0.00

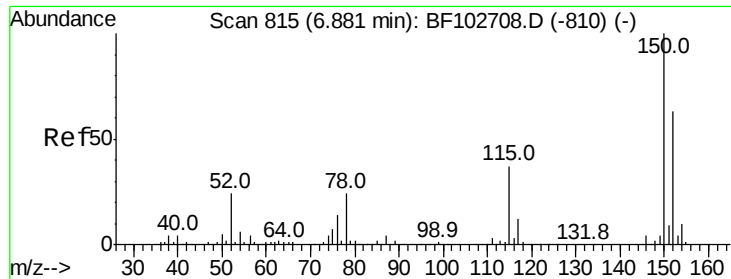
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	61220	3.540	ng	99
19) n-Nitroso-di-n-propylamine	7.45	70	129358	12.158	ng	# 80
25) Isophorone	7.45	82	966224	36.032	ng	# 64
47) 2-Nitroaniline	9.41	65	108	3.488	ng	# 2
49) Dimethylphthalate	9.63	163	158733	6.401	ng	99
55) 4-Nitrophenol	10.12	139	3248	4.670	ng	# 14
56) 2,4-Dinitrotoluene	9.92	165	41006	9.141	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	365	8.983	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	14903	3.319	ng	# 1
70) Phenanthrene	11.43	178	147884	6.255	ng	97
74) Fluoranthene	12.62	202	241841	10.167	ng	97
77) Pyrene	12.85	202	220787	7.416	ng	99
80) Benzo(a)anthracene	14.03	228	119745	5.015	ng	99
82) Chrysene	14.07	228	111952	4.651	ng	97
85) Indeno(1,2,3-cd)pyrene	17.01	276	46015	2.305	ng	96
87) Benzo(b)fluoranthene	15.09	252	193937	8.594	ng	# 92
88) Benzo(k)fluoranthene	15.09	252	193937	8.994	ng	# 95
89) Benzo(a)pyrene	15.46	252	92333	4.546	ng	# 94
91) Benzo(a,h,i)perylene	17.46	276	45058	2.792	ng	94

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

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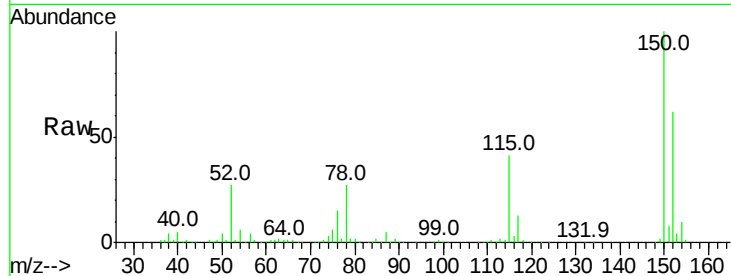




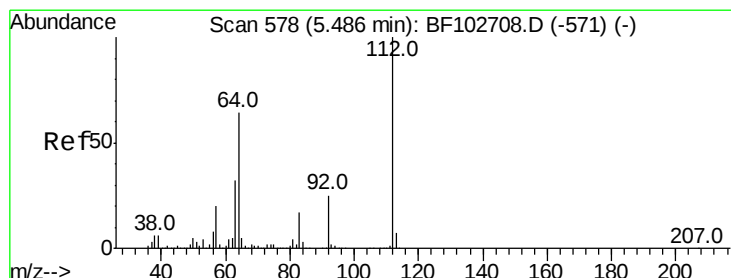
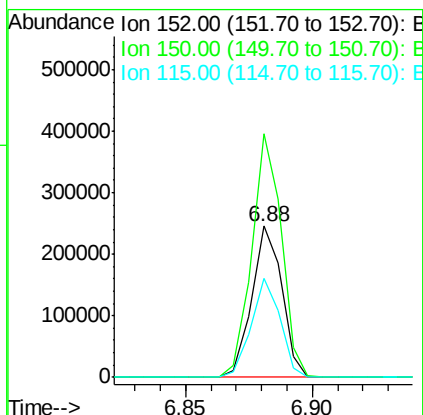
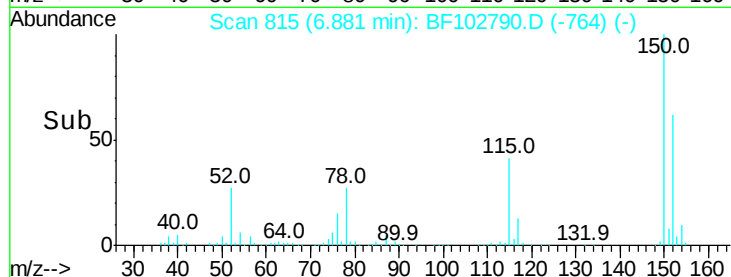
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	65.5	50.1	75.1



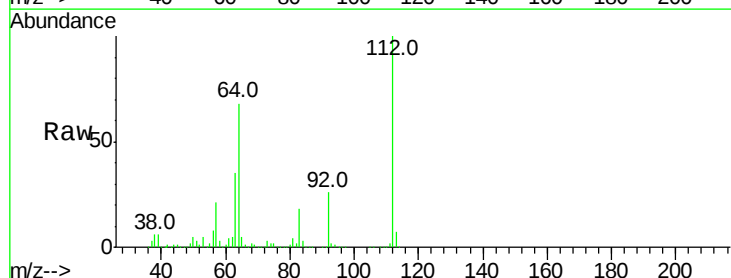
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



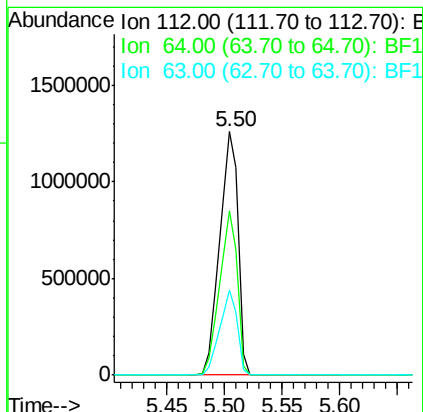
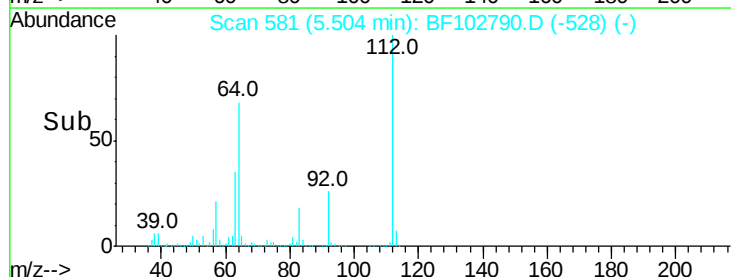
#5

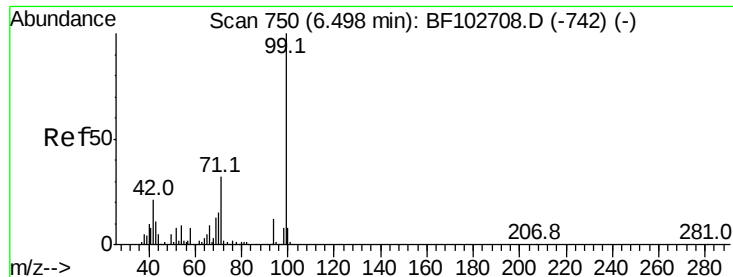
2-Fluorophenol
Concen: 103.738 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	47.9	71.9
63	34.6	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: 100.501 ng

RT: 6.51 min Scan# 752

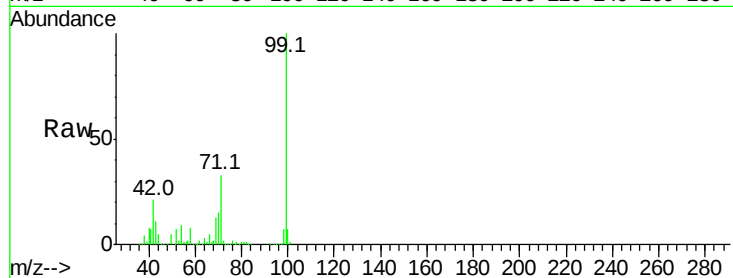
Delta R.T. 0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tot Ion: 99 Resp: 1621821

Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	33.5	25.4	38.0

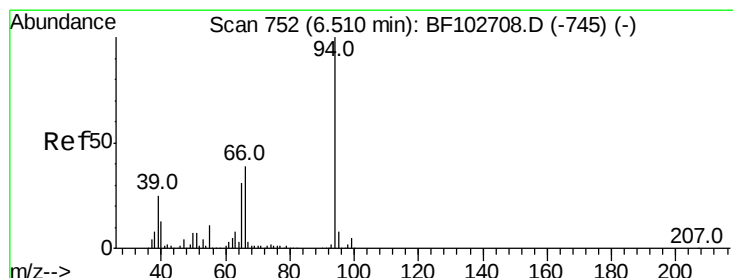
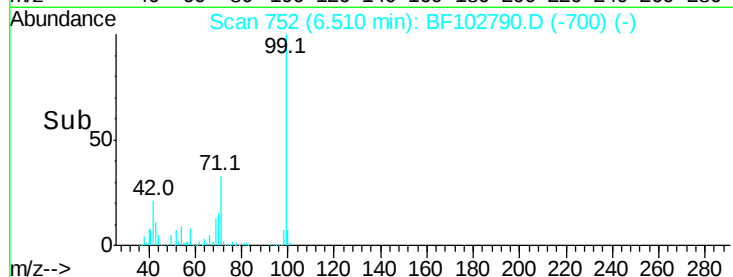
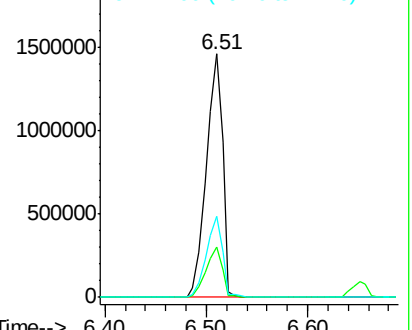


Abundance

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: 3.540 ng

RT: 6.52 min Scan# 754

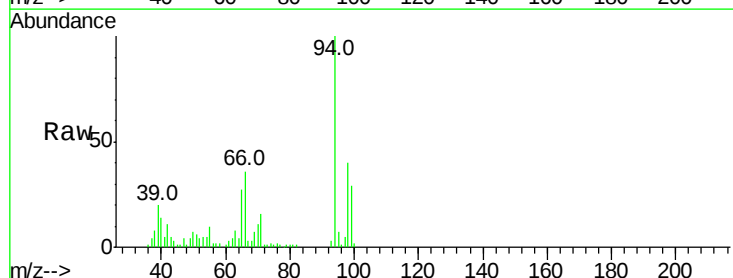
Delta R.T. 0.00 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tgt Ion: 94 Resp: 61220

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.9	47.9
66	35.9	16.2	56.2

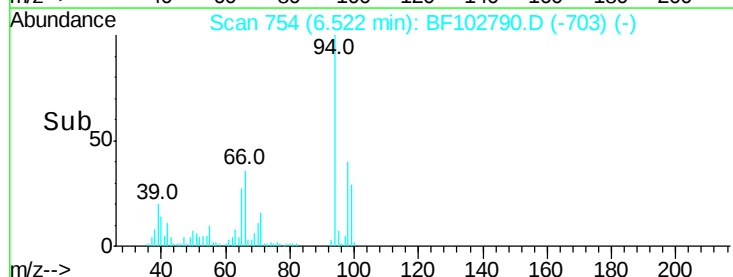
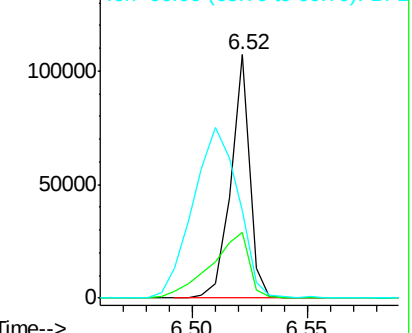


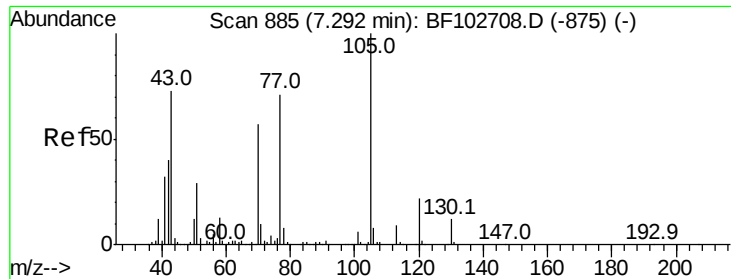
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

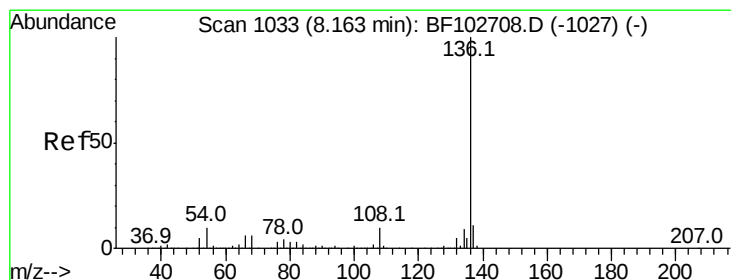
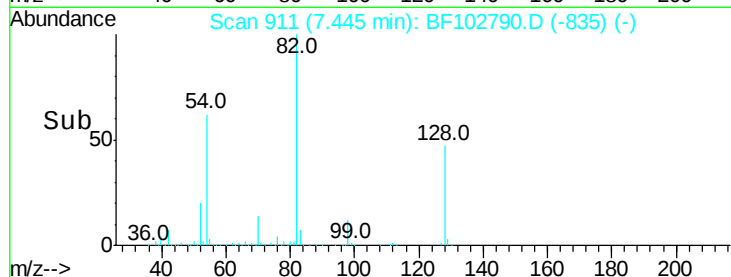
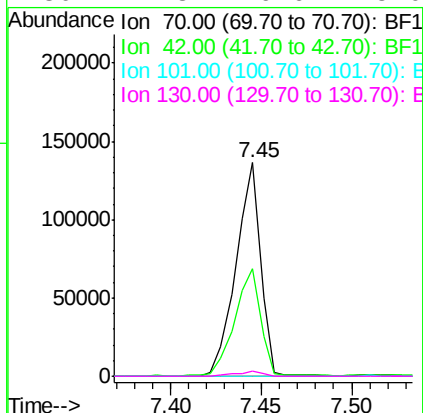
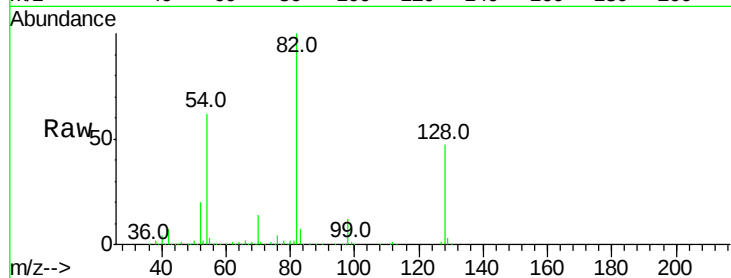
Ion 66.00 (65.70 to 66.70): BF1





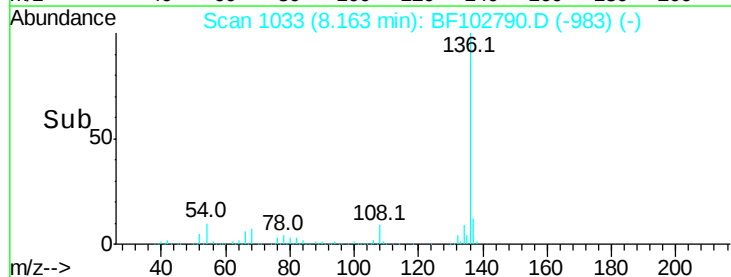
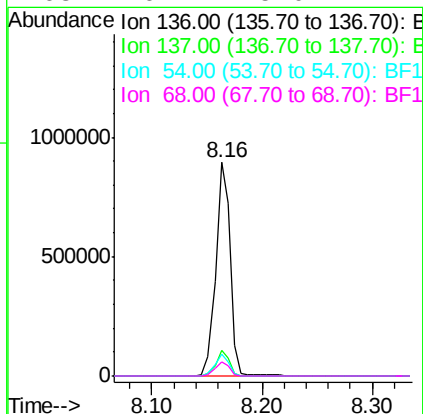
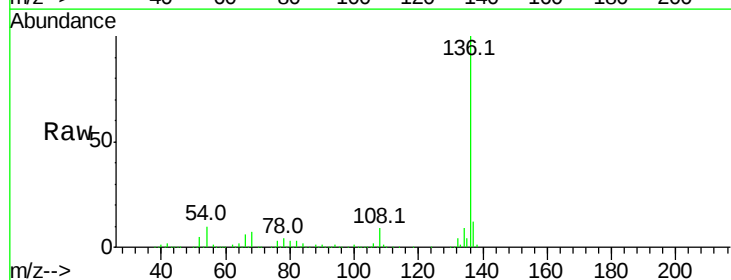
#19
n-Nitroso-di-n-propylamine
Concen: 12.158 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

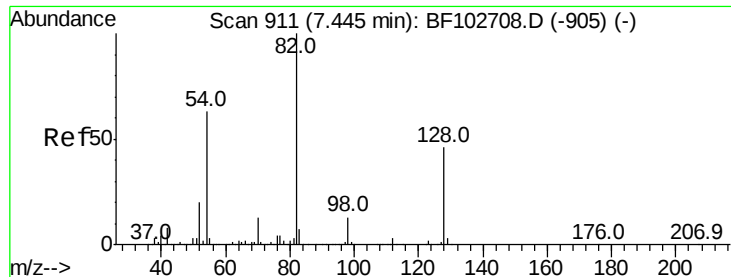
Tot Ion:	70	Resp:	129358
Ion	Ratio	Lower	Upper
70	100		
42	50.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

Tgt Ion:	136	Resp:	807853
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	10.4	6.6	9.8#
68	6.7	5.0	7.4





#23

Nitrobenzene-d5

Concen: 82.972 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

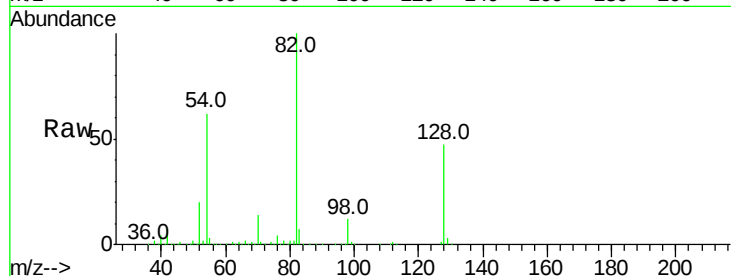
Tot Ion: 82 Resp: 966242

Ion Ratio Lower Upper

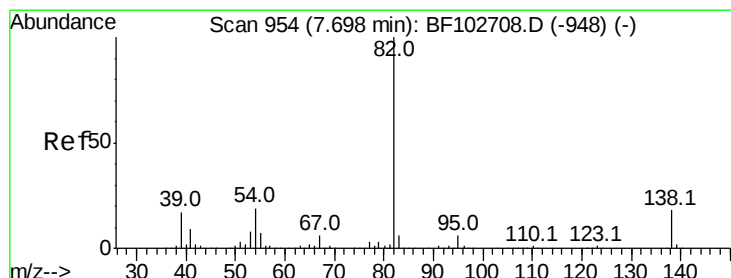
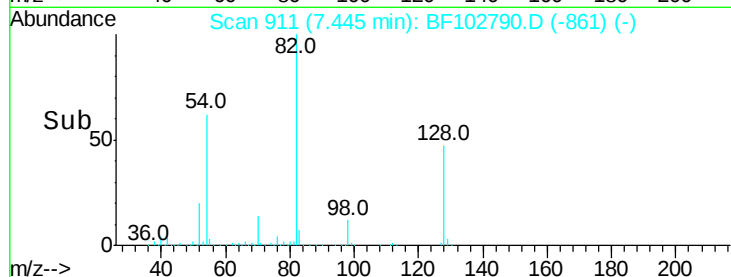
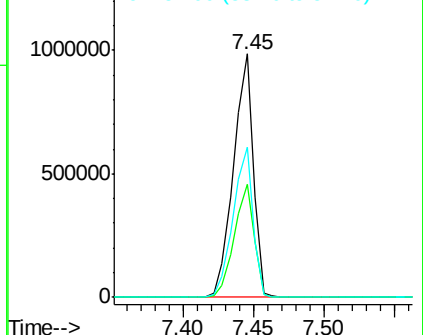
82 100

128 46.6 36.1 54.1

54 61.7 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: 36.032 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

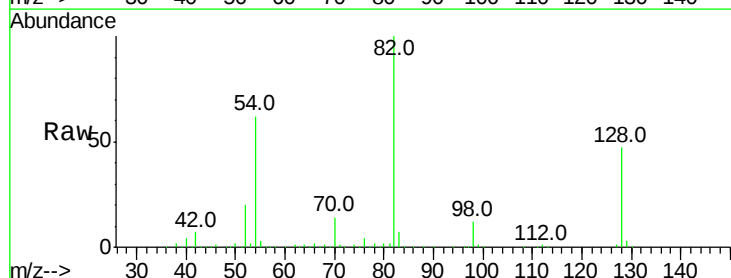
Tgt Ion: 82 Resp: 966224

Ion Ratio Lower Upper

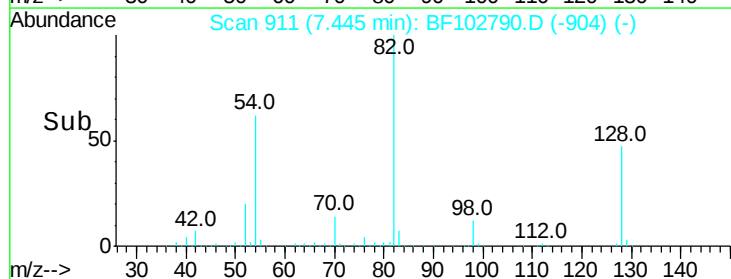
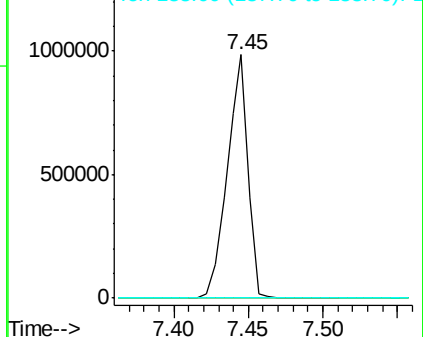
82 100

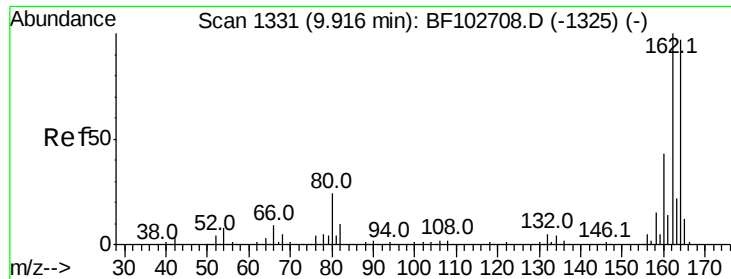
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



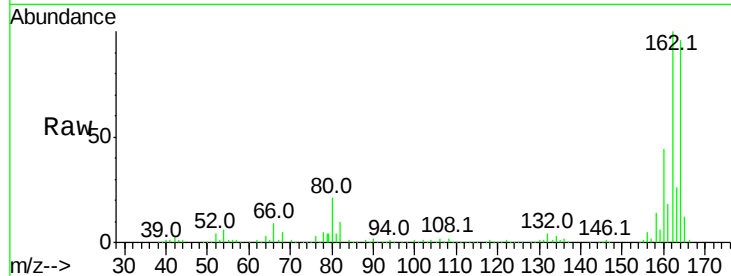
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



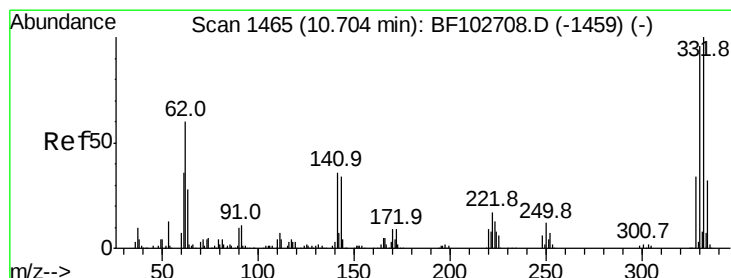
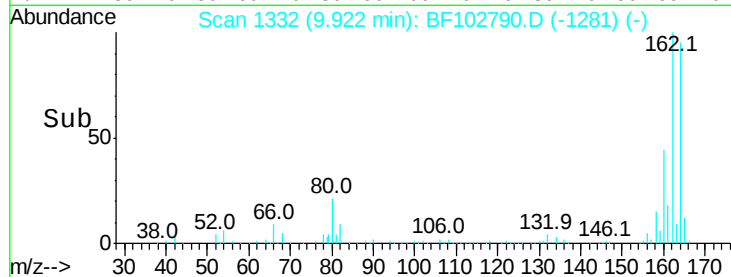
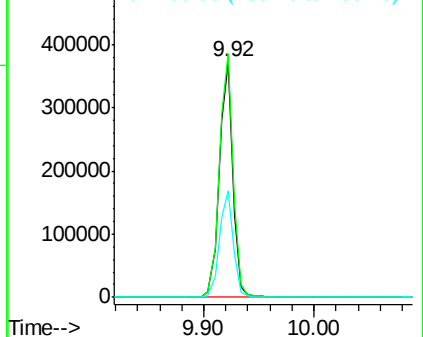


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

Tot Ion:164 Resp: 318061
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 45.6 38.3 57.5

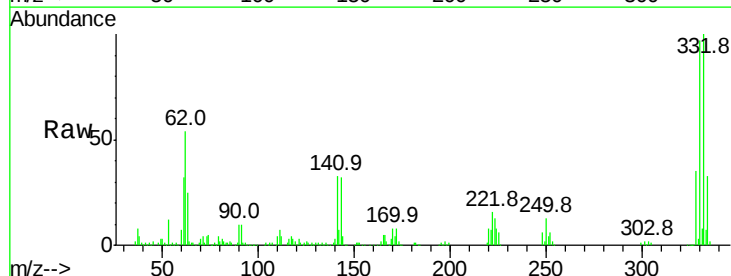


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

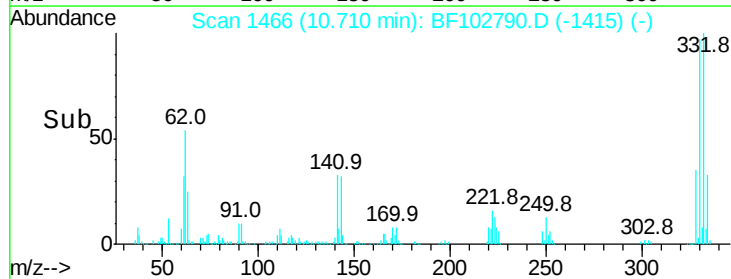
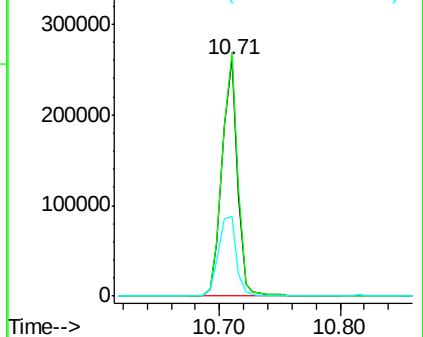


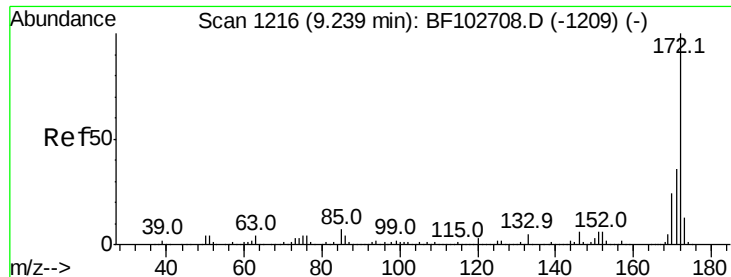
#41
2,4,6-Tribromophenol
Concen: 90.568 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

Tgt Ion:330 Resp: 231857
Ion Ratio Lower Upper
330 100
332 103.3 77.0 115.6
141 39.0 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

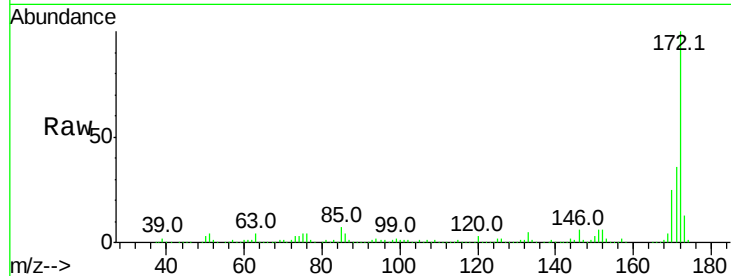




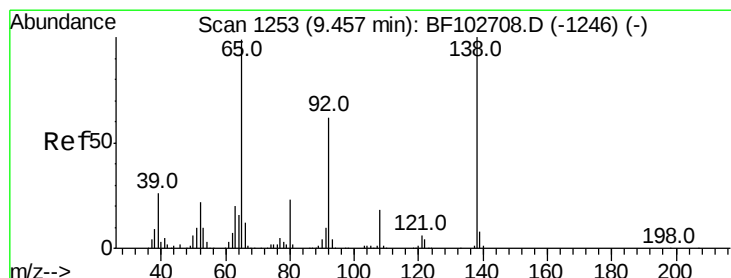
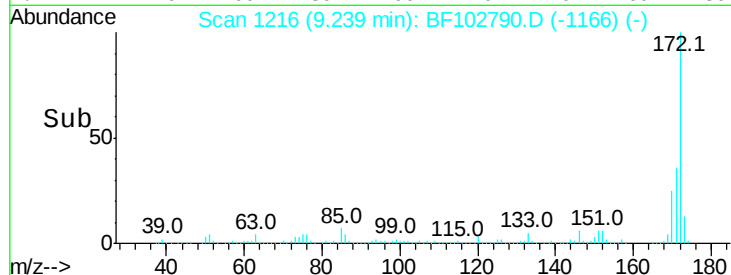
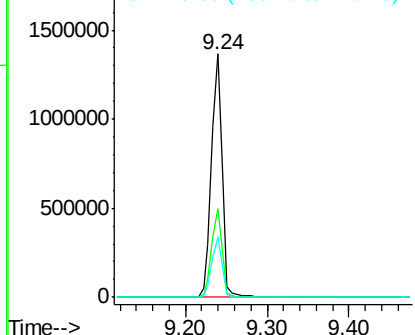
#44
 2-Fluorobiphenyl
 Concen: 64.037 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102790.D
 Acq: 6 Feb 2018 18:02

Tot Ion:172 Resp: 1227451

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.7	19.6	29.4



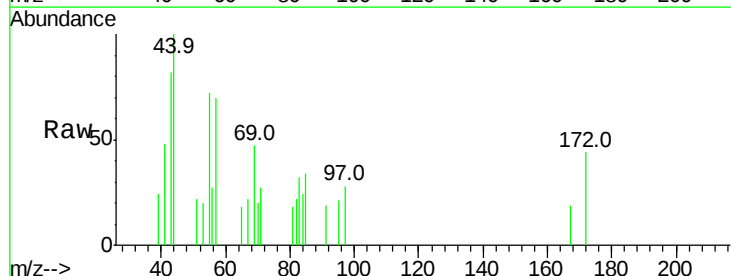
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



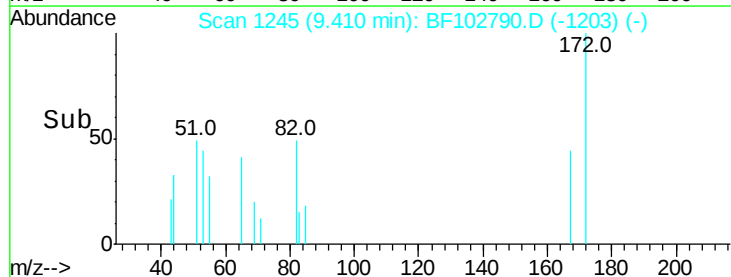
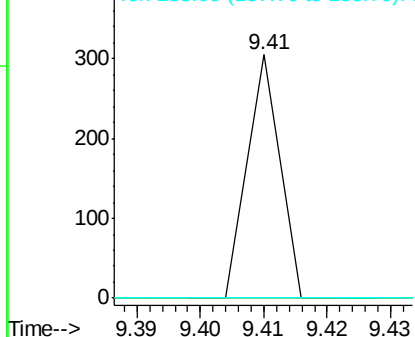
#47
 2-Nitroaniline
 Concen: 3.488 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.05 min
 Lab File: BF102790.D
 Acq: 6 Feb 2018 18:02

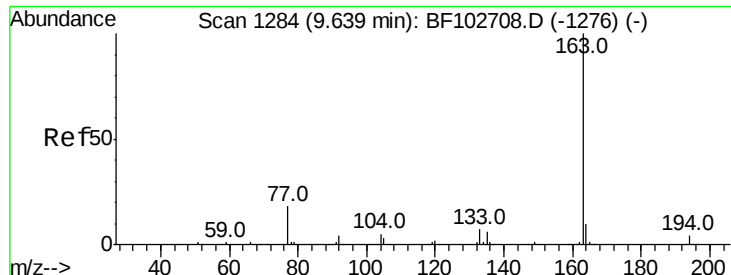
Tgt Ion: 65 Resp: 108

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: 6.401 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

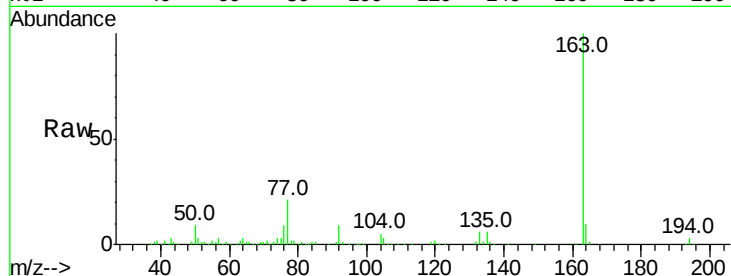
Tot Ion:163 Resp: 158733

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

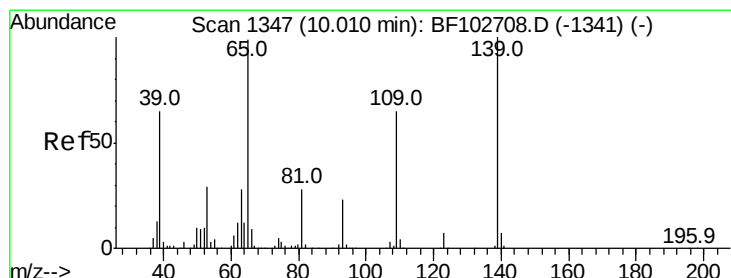
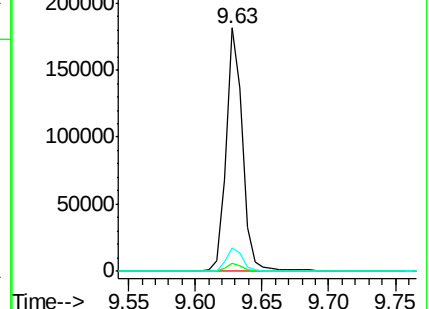
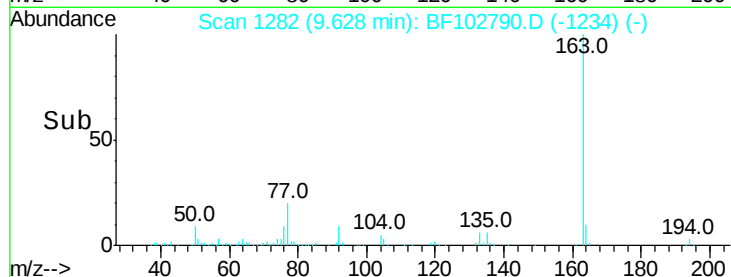
164 9.8 8.2 12.2



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: 4.670 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.10 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

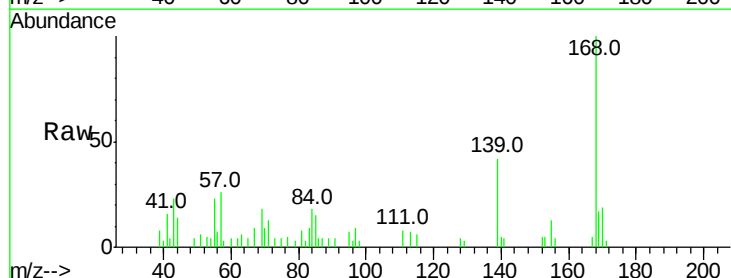
Tgt Ion:139 Resp: 3248

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

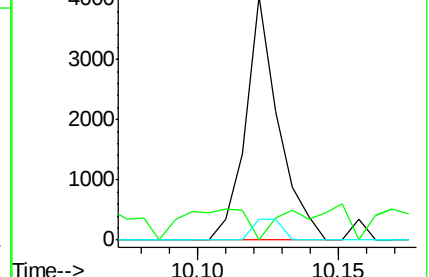
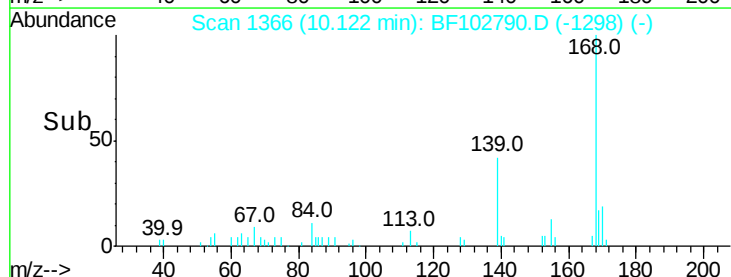
65 8.7 72.6 112.6#

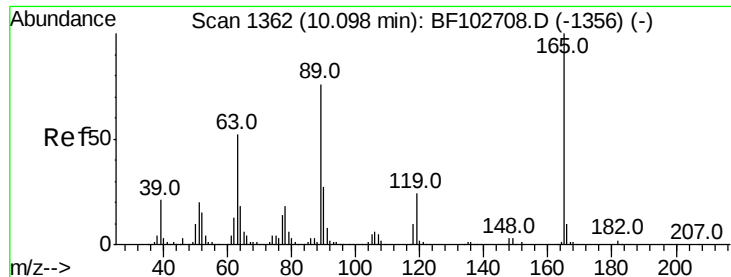


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 9.141 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.18 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tot Ion:165 Resp: 41006

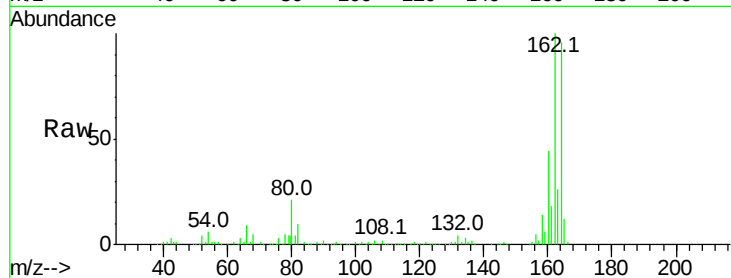
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

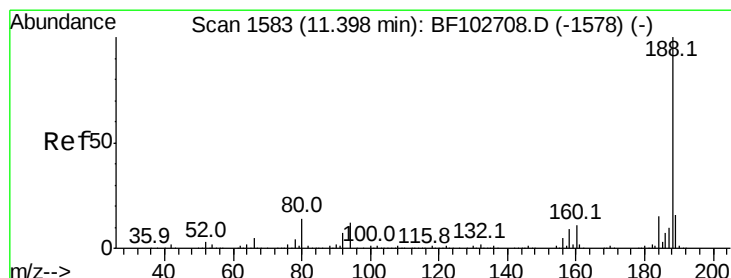
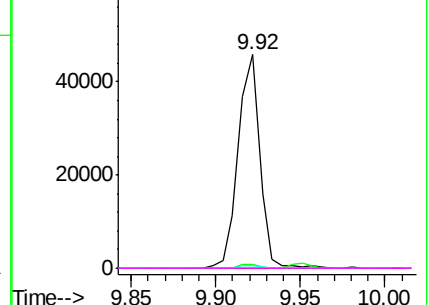
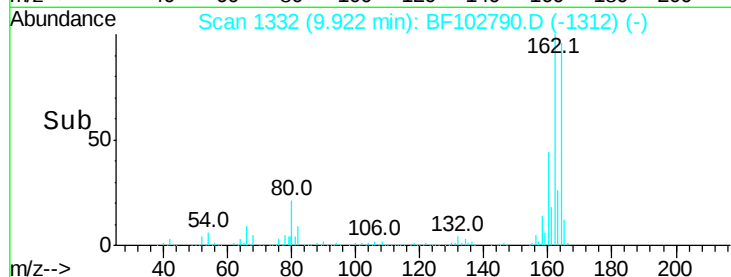


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

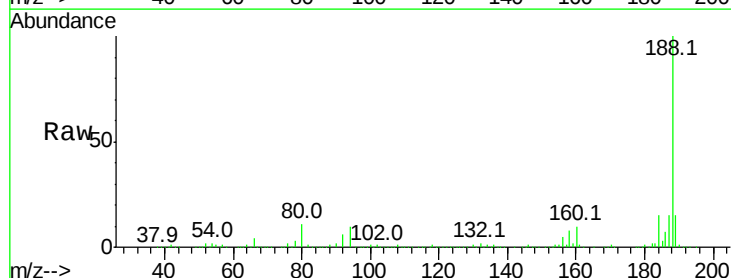
Tgt Ion:188 Resp: 424486

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

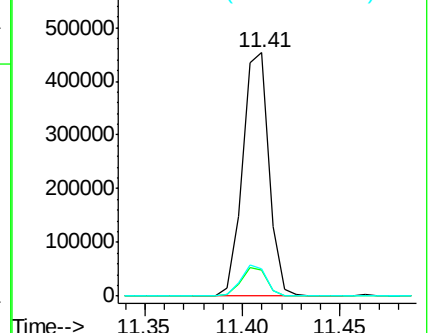
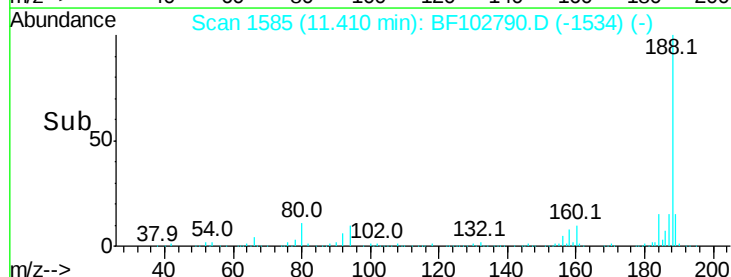
80 11.4 9.2 13.8

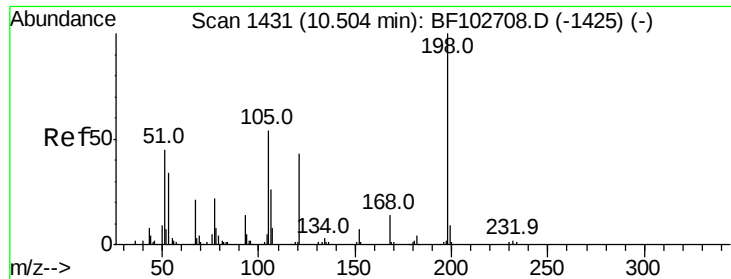


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.983 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

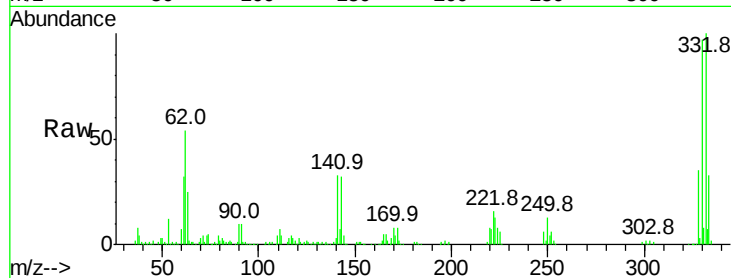
Tot Ion:198 Resp: 365

Ion Ratio Lower Upper

198 100

51 261.7 37.7 77.7#

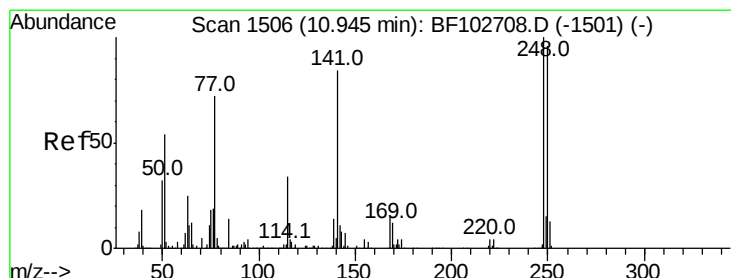
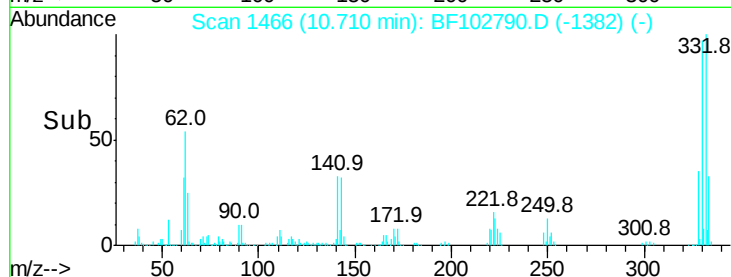
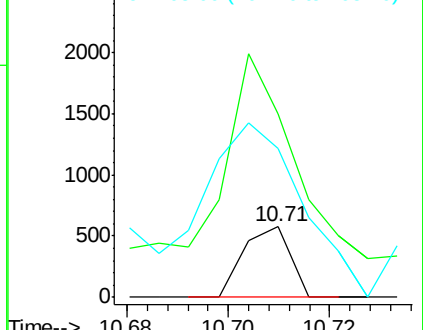
105 212.0 36.3 76.3#



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: 3.319 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

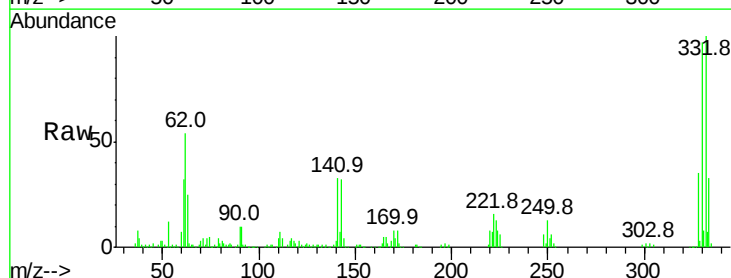
Tgt Ion:248 Resp: 14903

Ion Ratio Lower Upper

248 100

250 210.3 76.9 115.3#

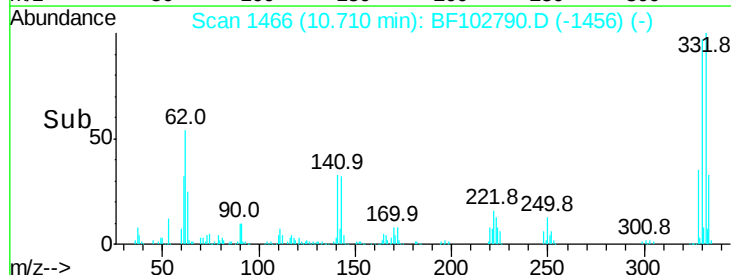
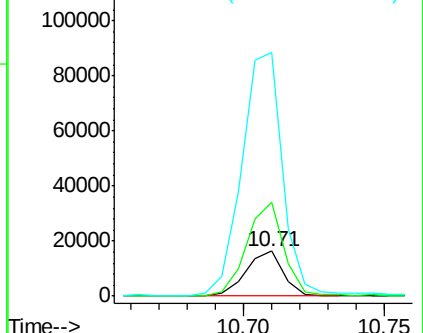
141 545.8 74.4 111.6#

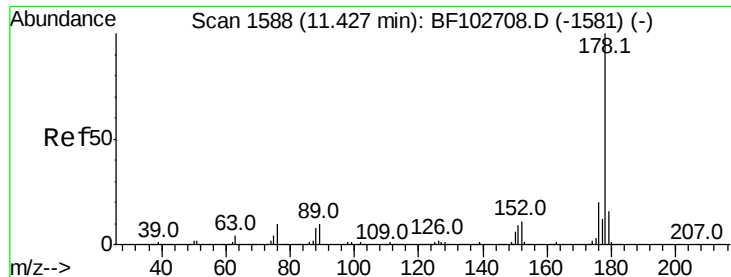


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 6.255 ng

RT: 11.43 min Scan# 1588

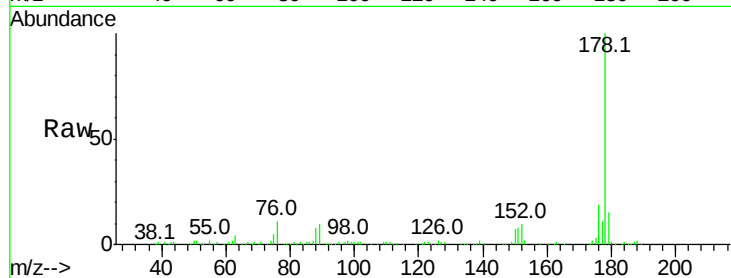
Delta R.T. -0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tot Ion:178 Resp: 147884

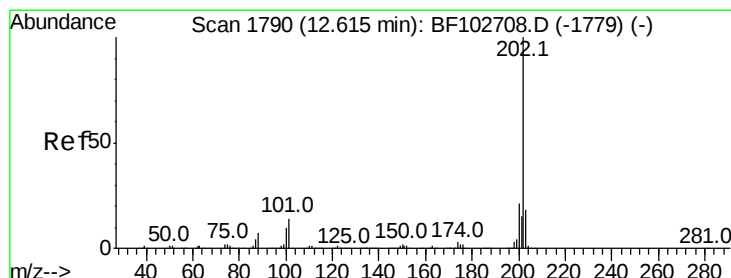
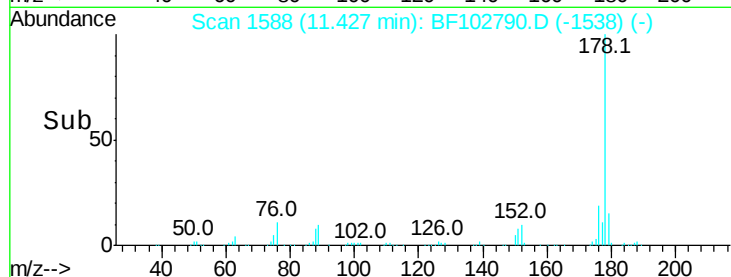
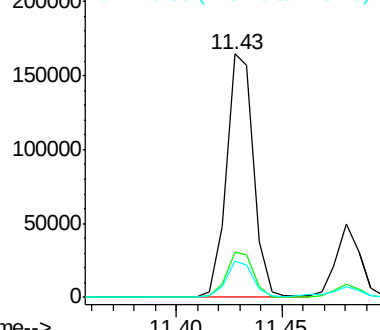
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.1	13.0	19.6



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



#74

Fluoranthene

Concen: 10.167 ng

RT: 12.62 min Scan# 1791

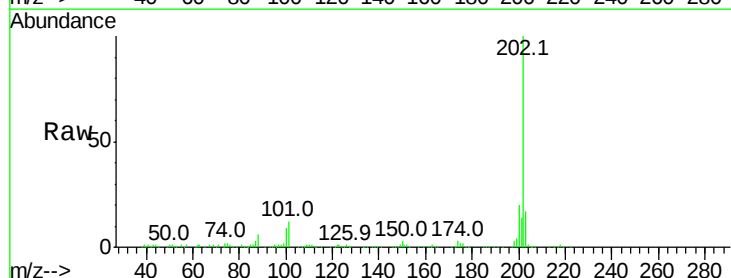
Delta R.T. 0.00 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tgt Ion:202 Resp: 241841

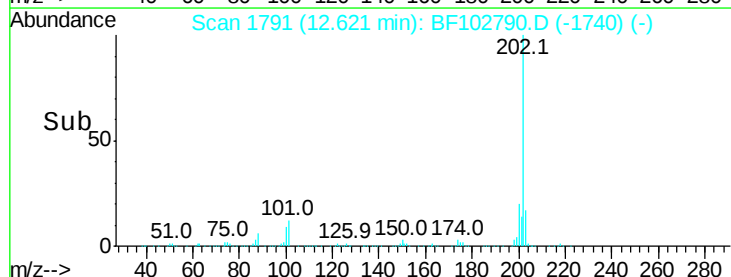
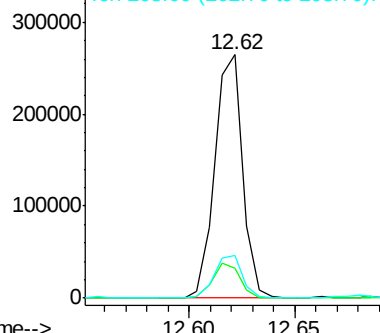
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.3	0.0	38.1

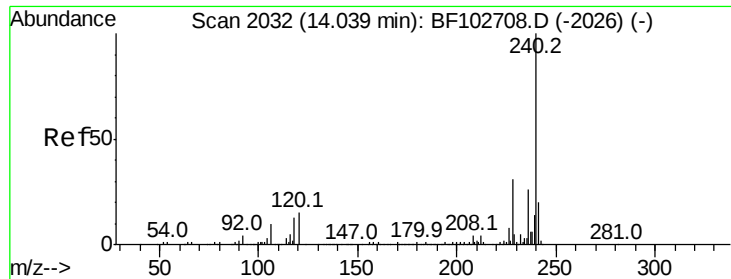


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

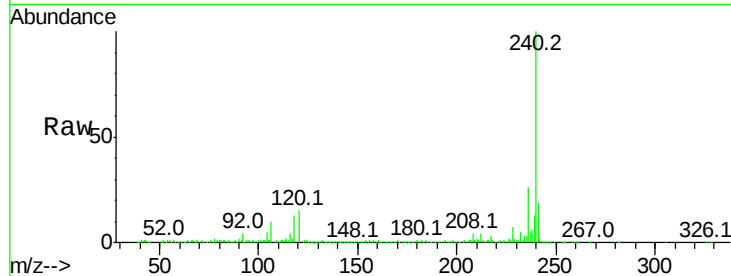
Tot Ion:240 Resp: 379670

Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3
236	25.8	20.7	31.1

240 100

120 14.9 9.5 14.3

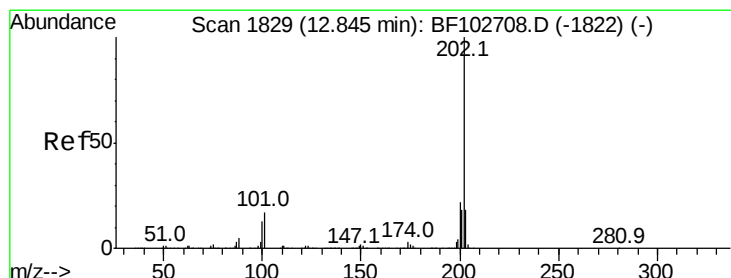
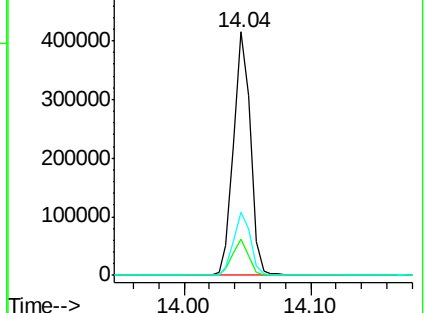
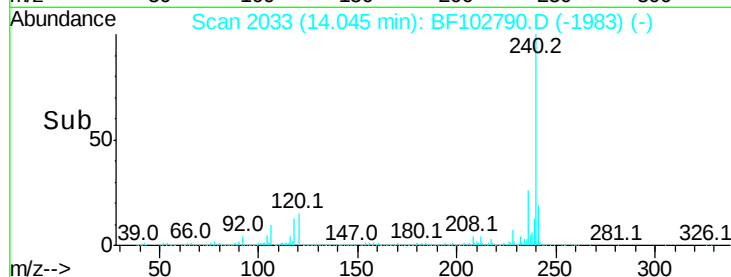
236 25.8 20.7 31.1



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: 7.416 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

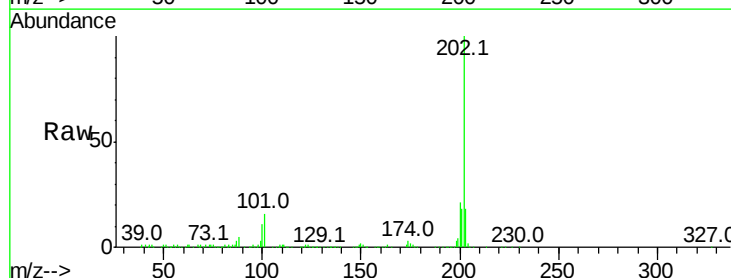
Tgt Ion:202 Resp: 220787

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.2	14.3	21.5

202 100

200 21.4 17.4 26.2

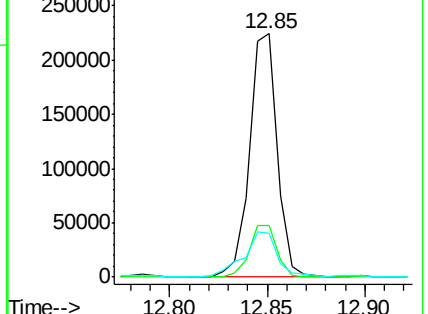
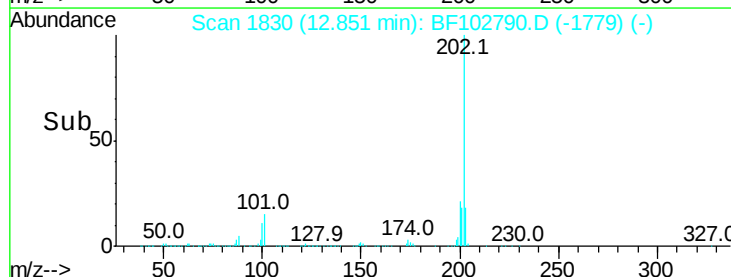
203 18.2 14.3 21.5

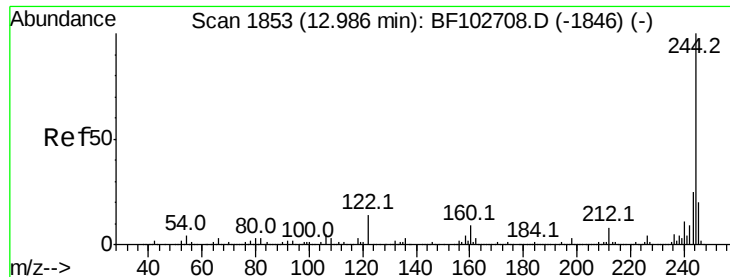


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

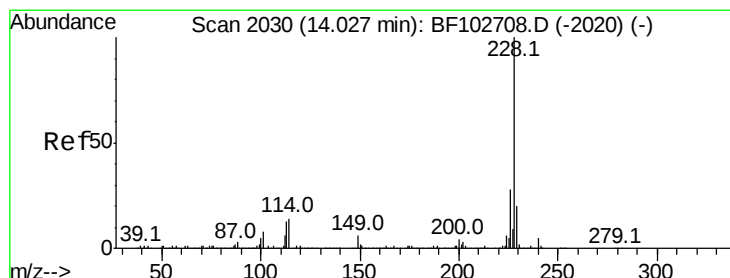
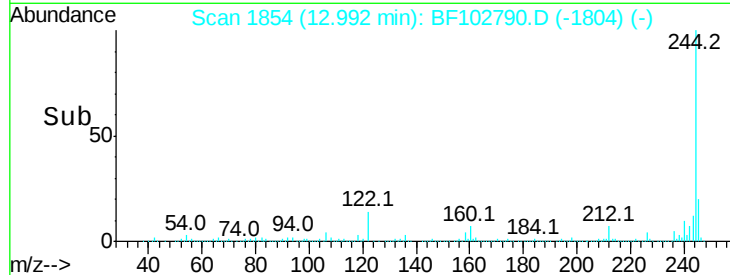
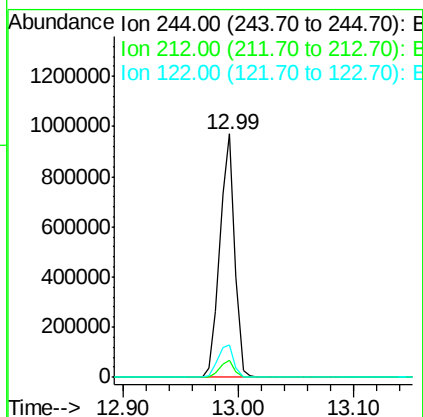
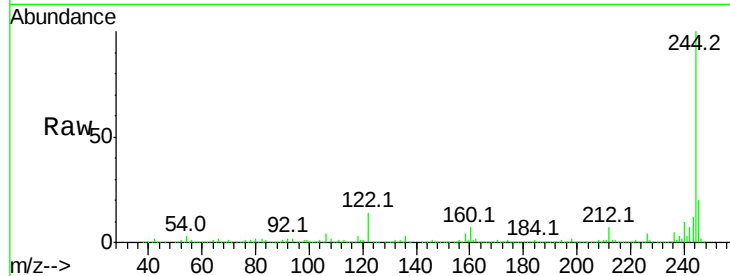
Ion 203.00 (202.70 to 203.70): E





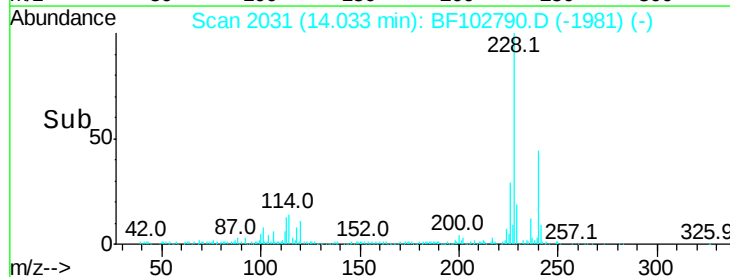
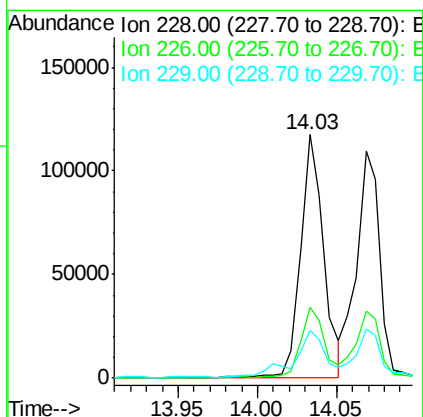
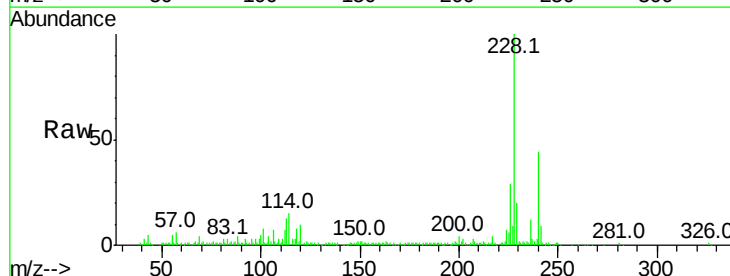
#78
 Terphenyl-d14
 Concen: 54.021 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102790.D
 Acq: 6 Feb 2018 18:02

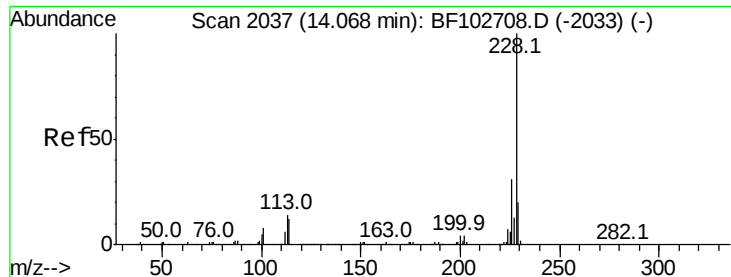
Tot Ion:244 Resp: 866222
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.5 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 5.015 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF102790.D
 Acq: 6 Feb 2018 18:02

Tgt Ion:228 Resp: 119745
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 19.7 15.8 23.6





#82

Chrysene

Concen: 4.651 ng

RT: 14.07 min Scan# 2037

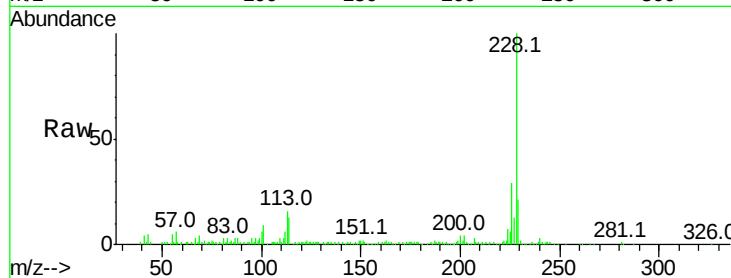
Delta R.T. -0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tot Ion:228 Resp: 111952

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	21.3	16.2	24.4

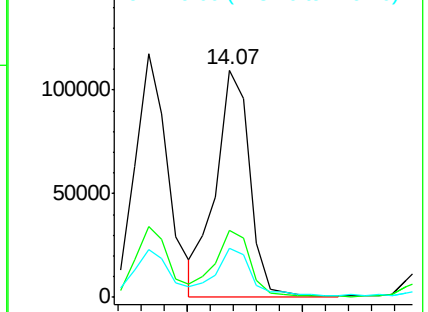
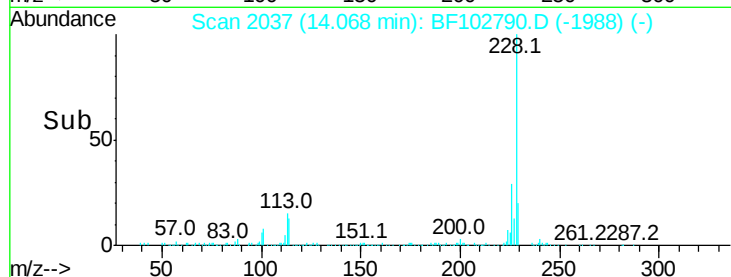


Abundance

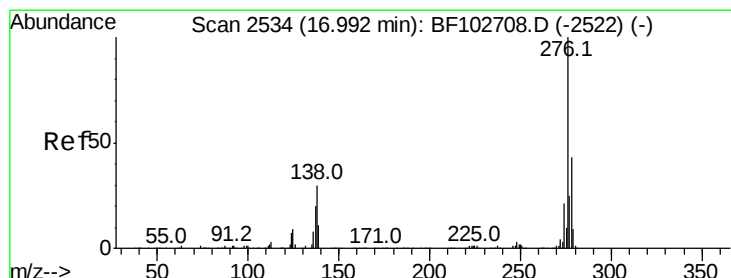
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.305 ng

RT: 17.01 min Scan# 2537

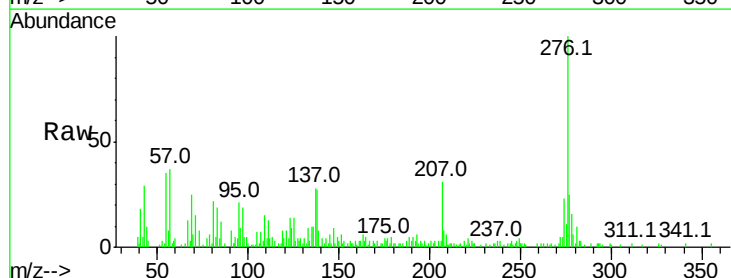
Delta R.T. -0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

Tgt Ion:276 Resp: 46015

Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	23.7	20.1	30.1

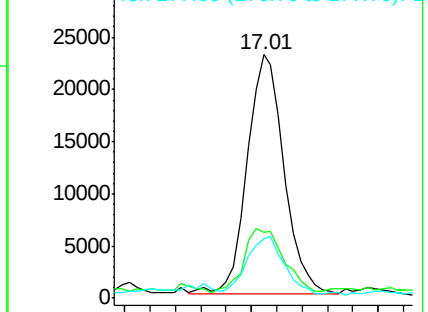
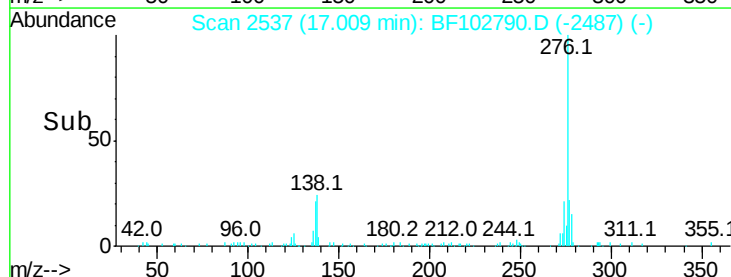


Abundance

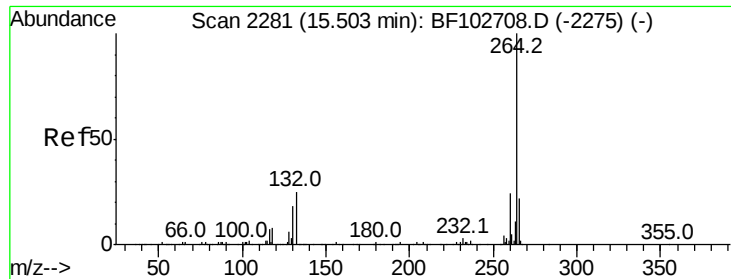
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

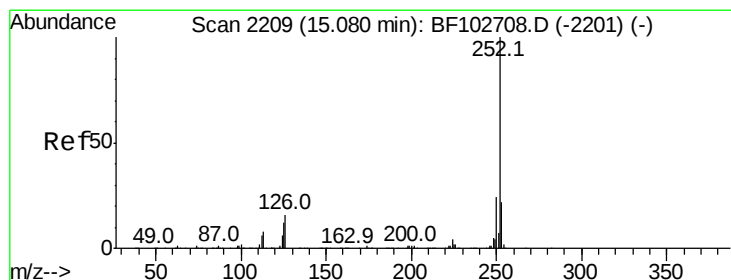
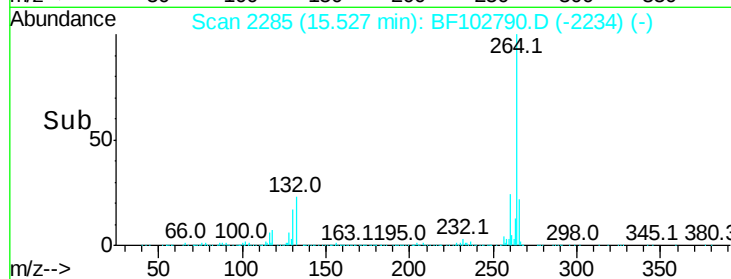
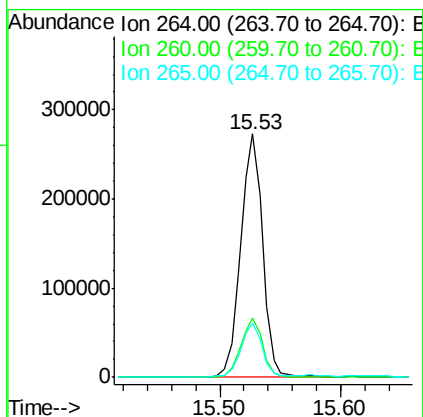
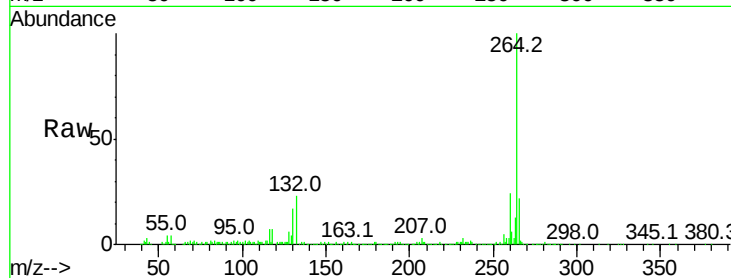


Time-->



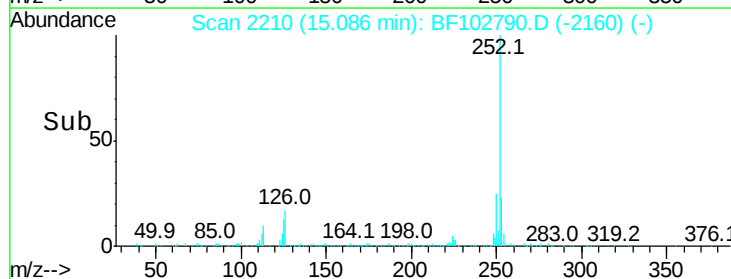
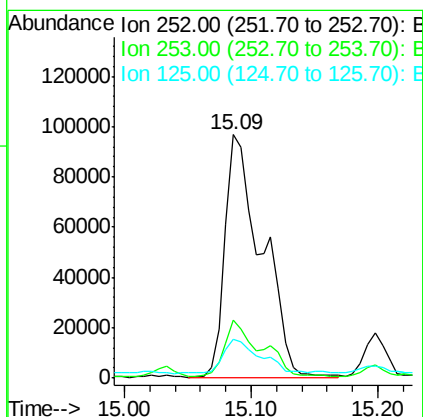
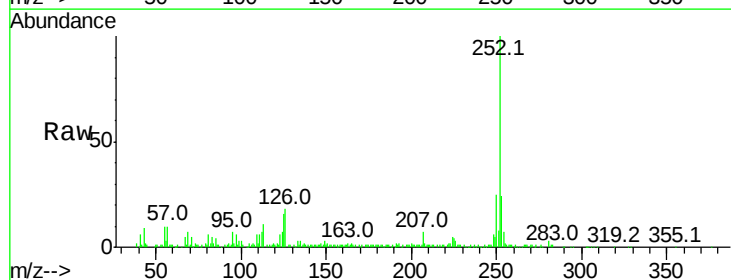
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

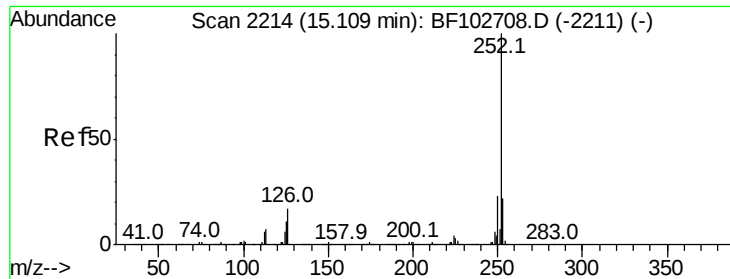
Tot Ion:264 Resp: 348066
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.594 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

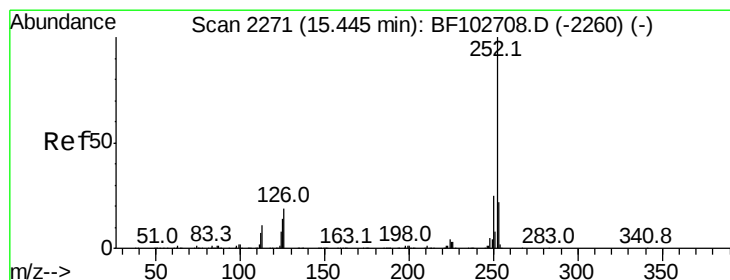
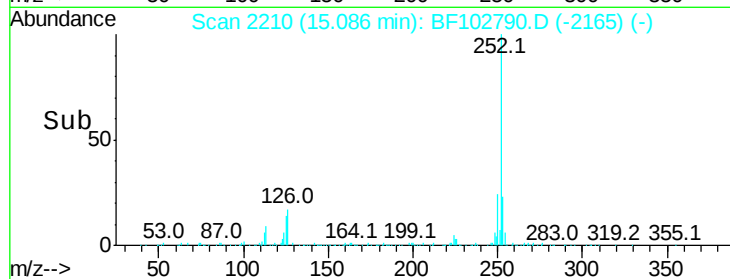
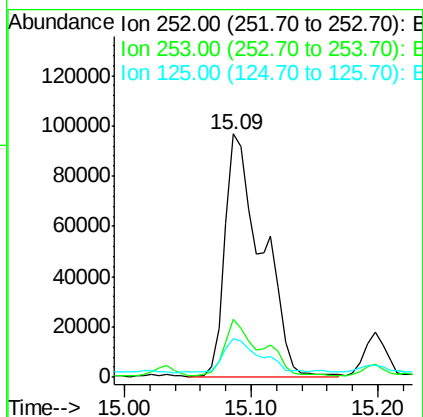
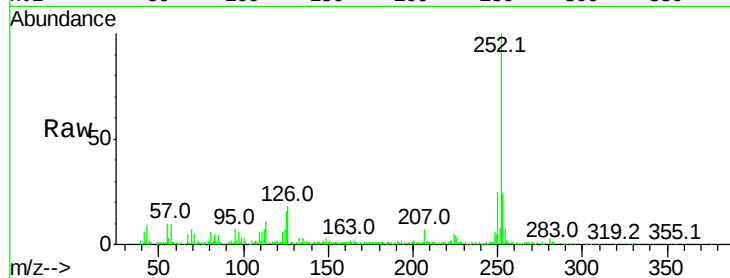
Tgt Ion:252 Resp: 193937
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 16.1 9.0 13.6#





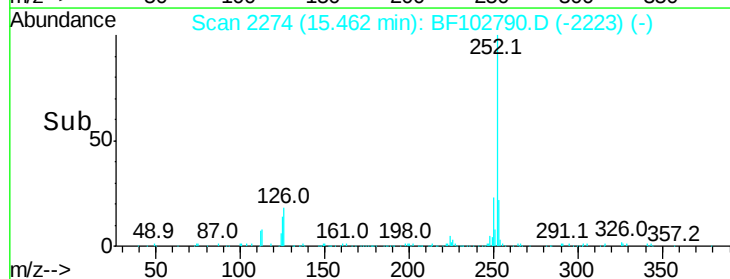
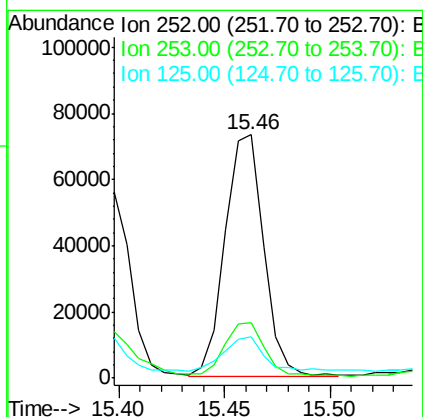
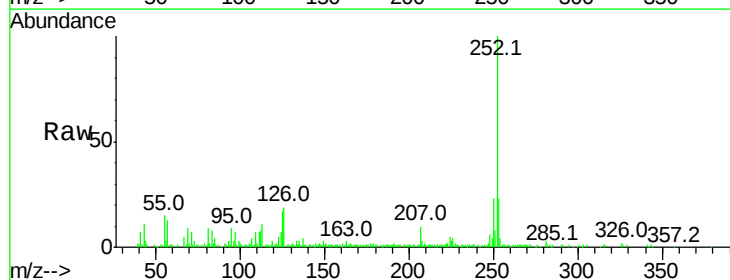
#88
Benzo(k)fluoranthene
Concen: 8.994 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

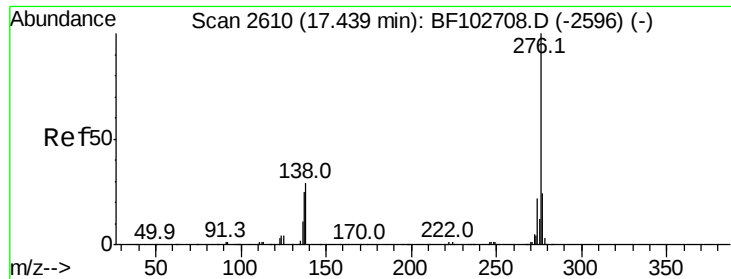
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	16.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.546 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF102790.D
Acq: 6 Feb 2018 18:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	17.0	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.792 ng

RT: 17.46 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF102790.D

Acq: 6 Feb 2018 18:02

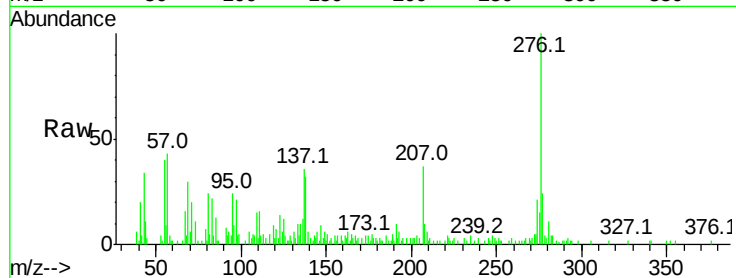
Tot Ion: 276 Resp: 45058

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 31.6 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

