

Data File : BF108960.D
Acq On : 12 Sep 2018 19:53
Operator : JU/SJ
Sample : J4853-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 13 02:14:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	164222	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	622600	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	295380	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	518206	20.00	ng	0.00
75) Chrysene-d12	13.87	240	382362	20.00	ng	0.00
86) Perylene-d12	15.28	264	447956	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	547523	55.23	ng	0.00
7) Phenol-d6	6.37	99	692454	54.29	ng	0.00
23) Nitrobenzene-d5	7.29	82	436575	43.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	166468	59.03	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	810396	46.80	ng	0.00
78) Terphenyl-d14	12.82	244	649607	39.62	ng	0.00

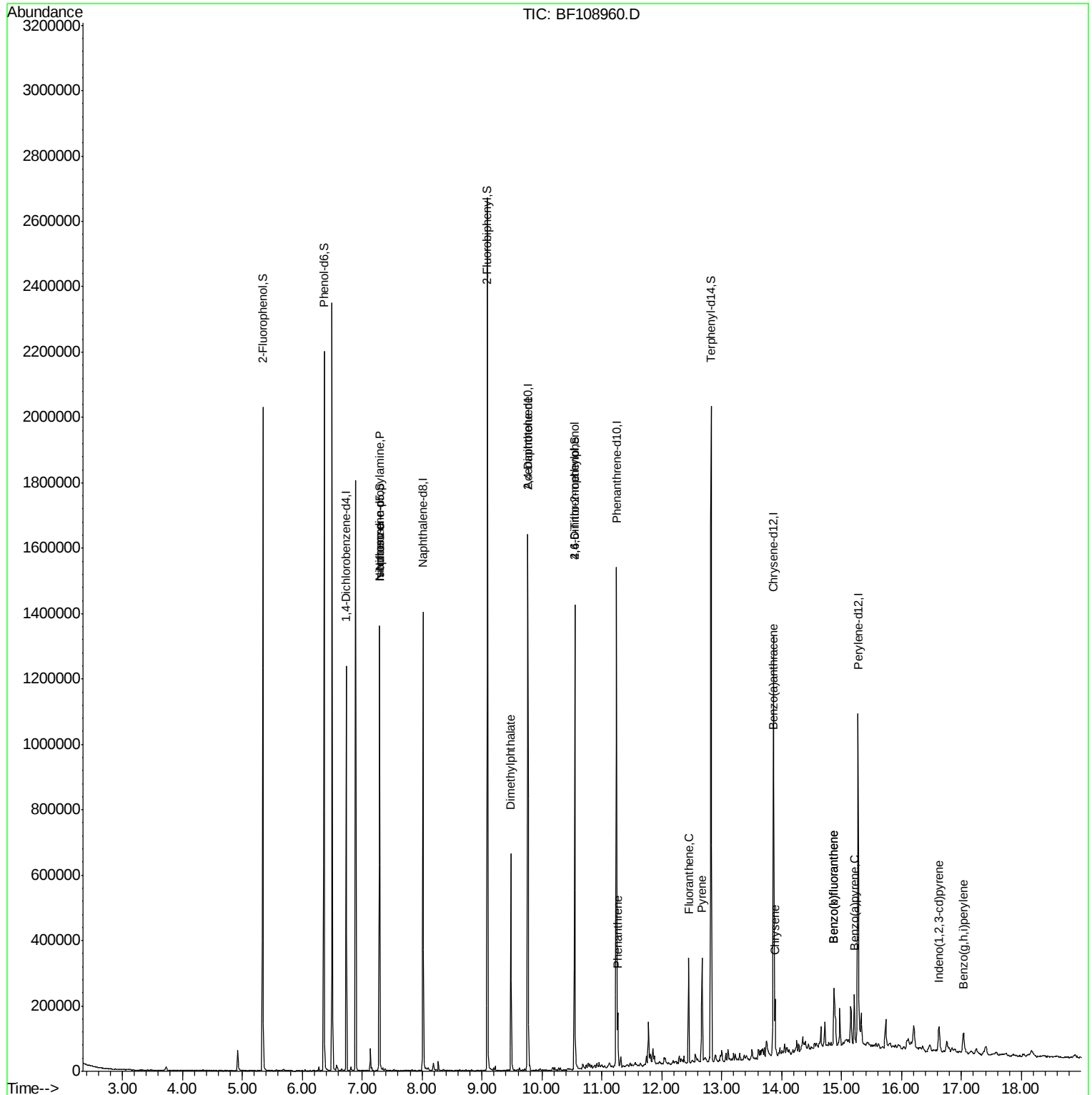
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	57486	6.484	ng	# 78
25) Isophorone	7.29	82	431812	21.760	ng	# 64
49) Dimethylphthalate	9.48	163	252549	12.224	ng	99
56) 2,4-Dinitrotoluene	9.77	165	37525	7.454	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	160	6.936	ng	# 1
70) Phenanthrene	11.27	178	54659	2.209	ng	98
74) Fluoranthene	12.45	202	121316	4.951	ng	95
77) Pyrene	12.67	202	123933	4.212	ng	99
80) Benzo(a)anthracene	13.85	228	59628	2.433	ng	98
82) Chrysene	13.89	228	59853	2.523	ng	96
85) Indeno(1,2,3-cd)pyrene	16.62	276	47549	2.265	ng	94
87) Benzo(b)fluoranthene	14.87	252	122030	5.010	ng	96
88) Benzo(k)fluoranthene	14.87	252	122030	5.440	ng	98
89) Benzo(a)pyrene	15.21	252	67089	3.053	ng	97
91) Benzo(g,h,i)perylene	17.04	276	47713	2.461	ng	94

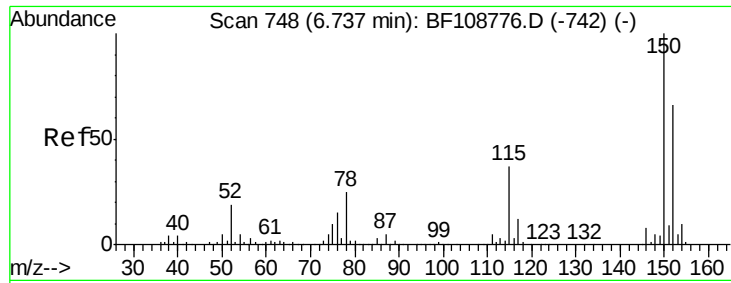
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator    : JU/SJ
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Misc       :
ALS Vial    : 13      Sample Multip
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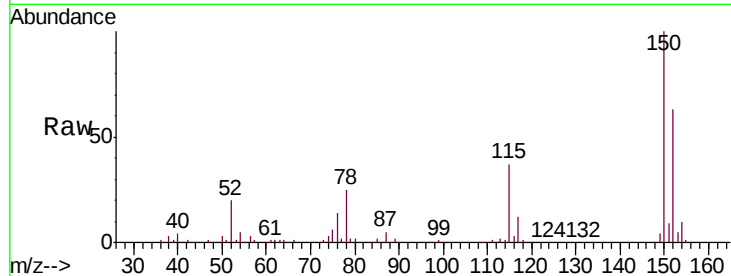
Quant Time: Sep 13 02:14:55 2018
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
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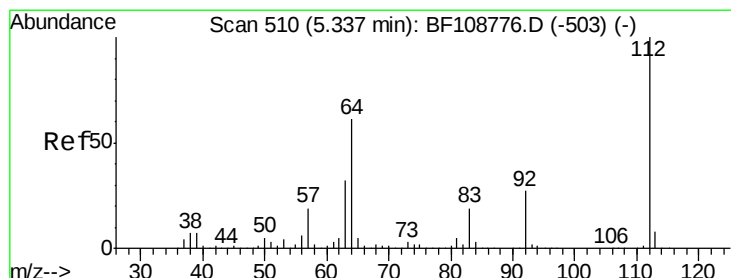
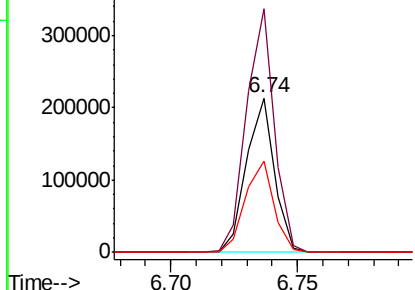
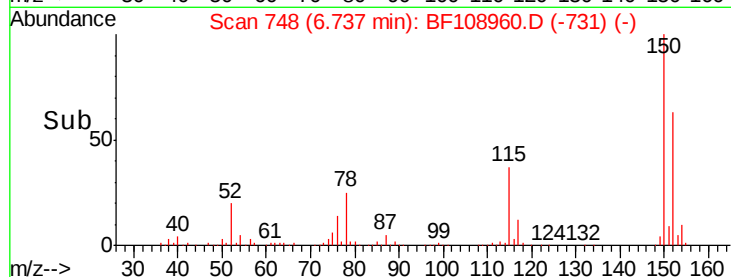


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 748
 Delta R.T. -0.00 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

Tgt Ion:152 Resp: 164222
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 59.0 50.1 75.1

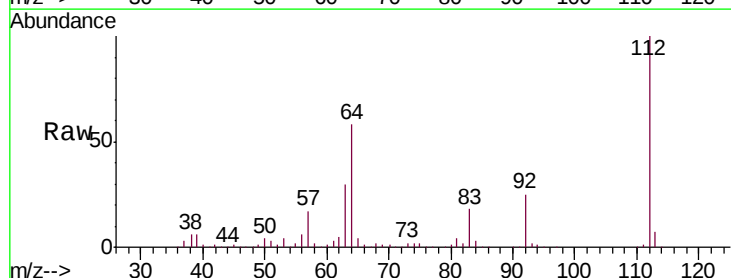


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

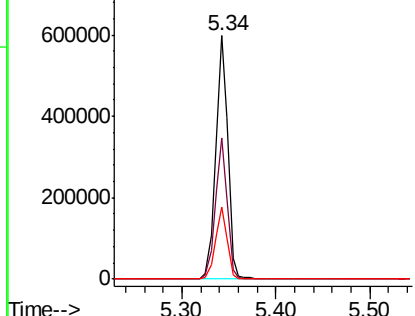
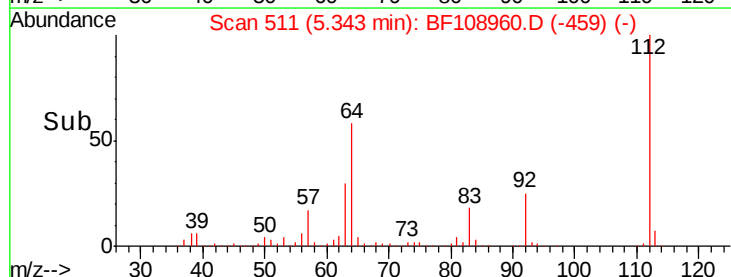


#5
 2-Fluorophenol
 Concen: 55.234 ng
 RT: 5.34 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

Tgt Ion:112 Resp: 547523
 Ion Ratio Lower Upper
 112 100
 64 57.8 47.9 71.9
 63 29.6 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: 54.292 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

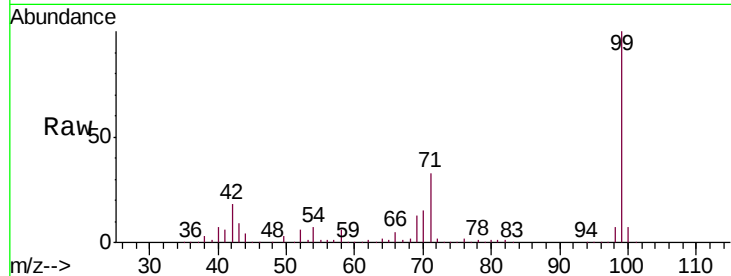
Tgt Ion: 99 Resp: 692454

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

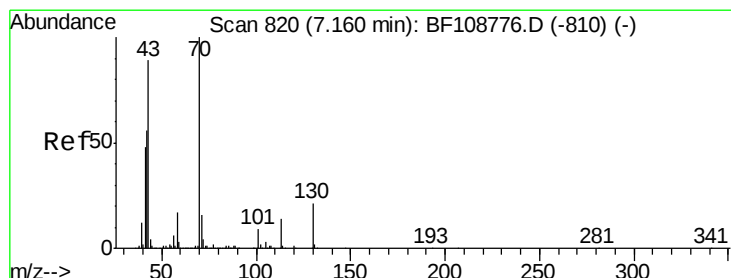
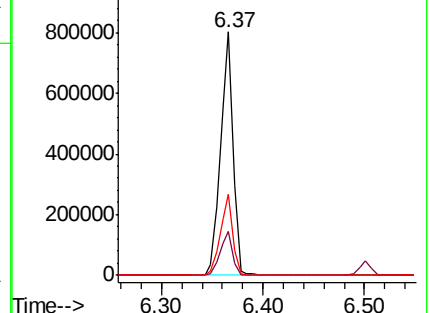
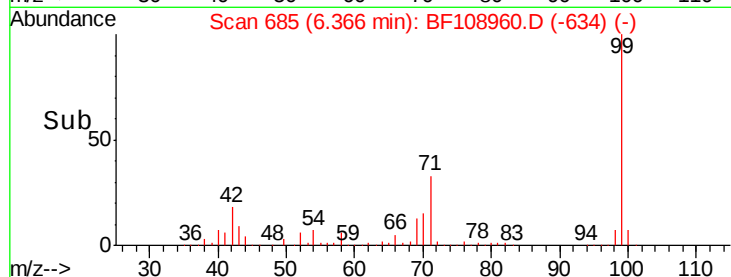
71 33.3 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.484 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

Tgt Ion: 70 Resp: 57486

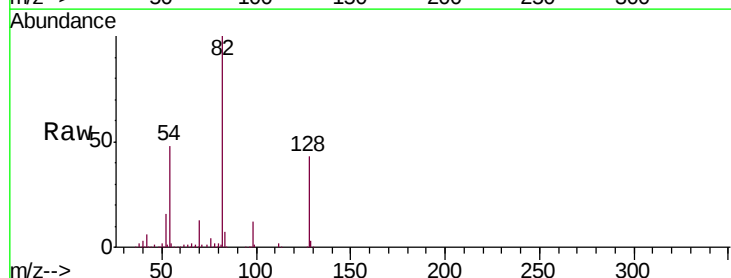
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

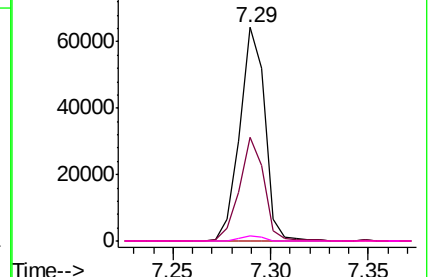
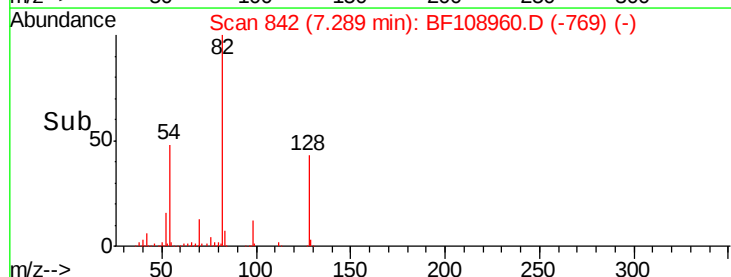


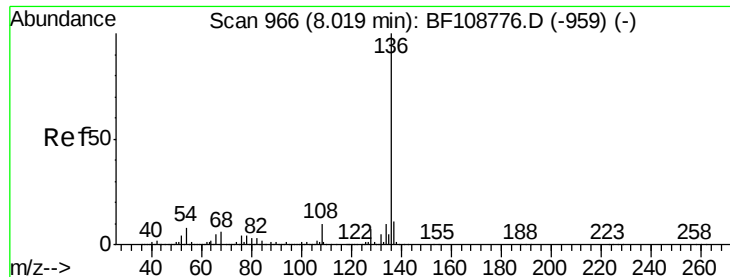
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

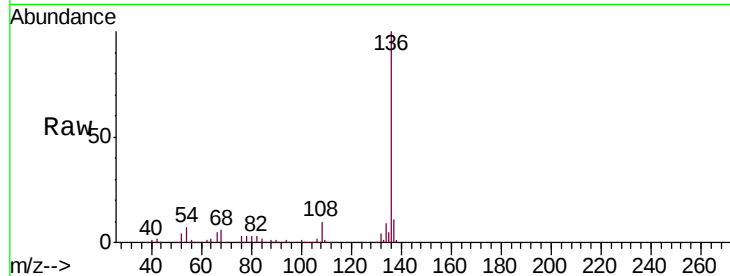
Ion 130.00 (129.70 to 130.70): BF1



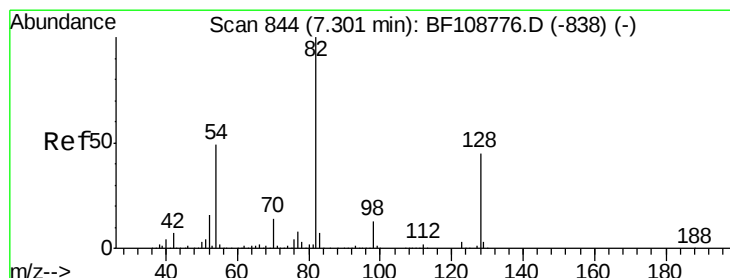
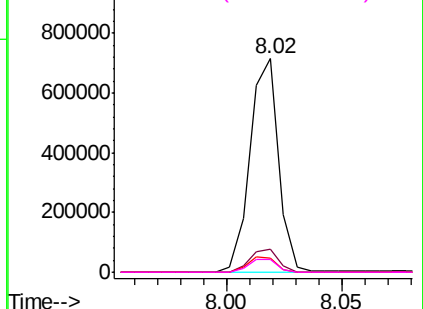
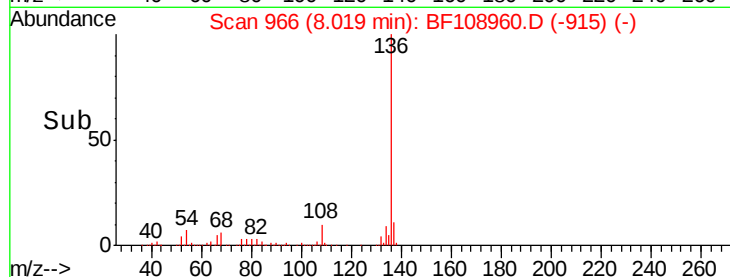


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion:	136	Resp:	622600
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.7	6.6	9.8
68	5.9	5.0	7.4

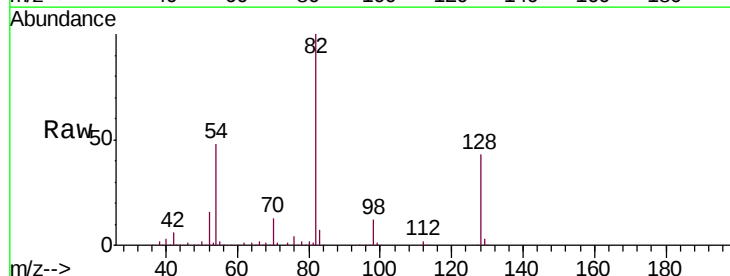


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

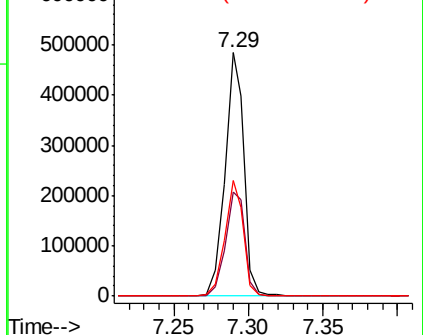
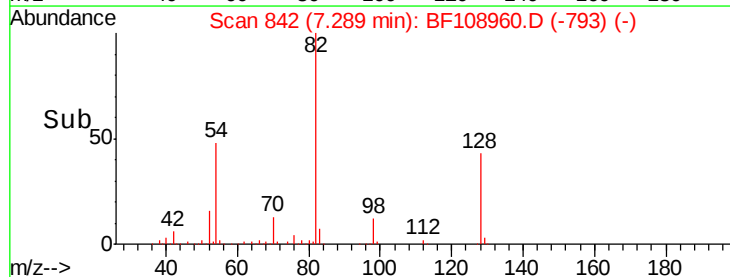


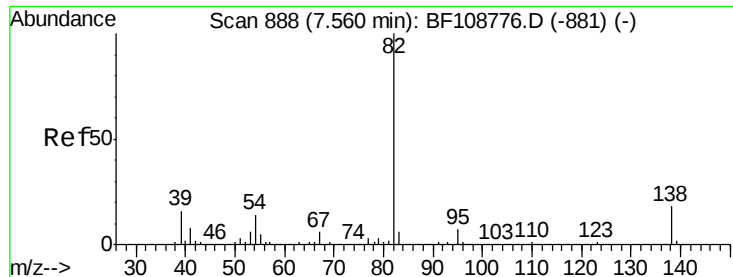
#23
Nitrobenzene-d5
Concen: 43.883 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion:	82	Resp:	436575
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	47.7	41.4	62.2



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





#25

Isophorone

Concen: 21.760 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

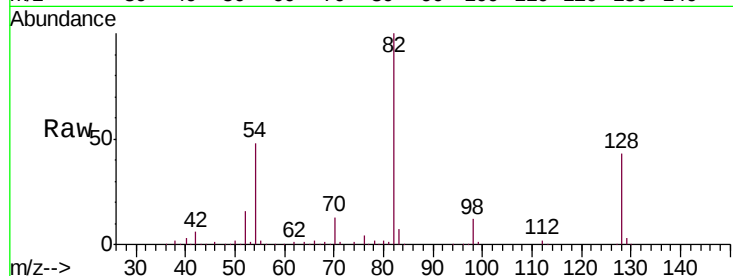
Tgt Ion: 82 Resp: 431812

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

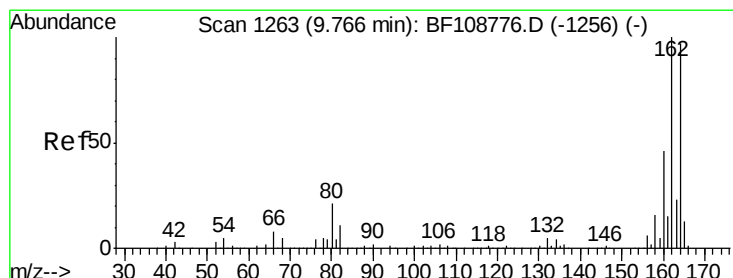
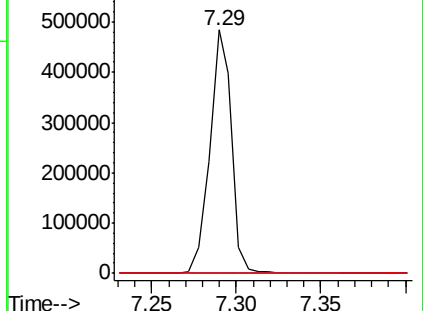
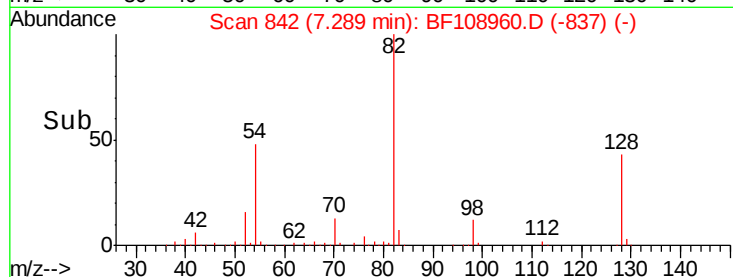
138 0.0 14.9 22.3#



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: 9.77 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

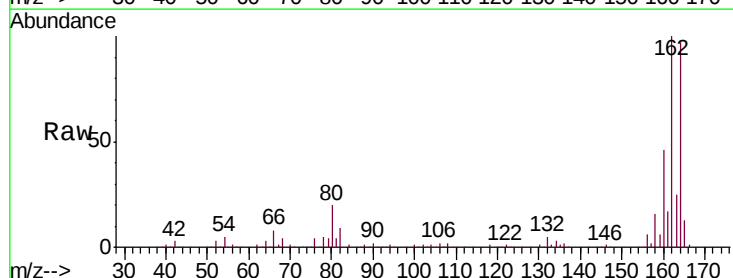
Tgt Ion: 164 Resp: 295380

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

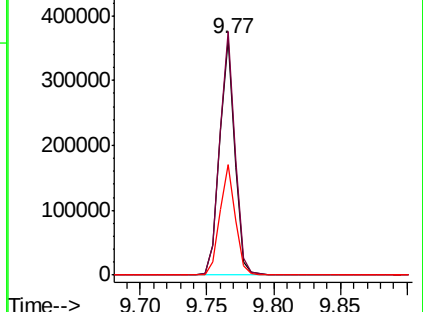
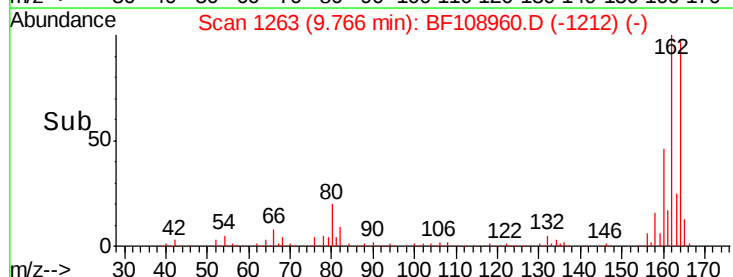
160 47.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

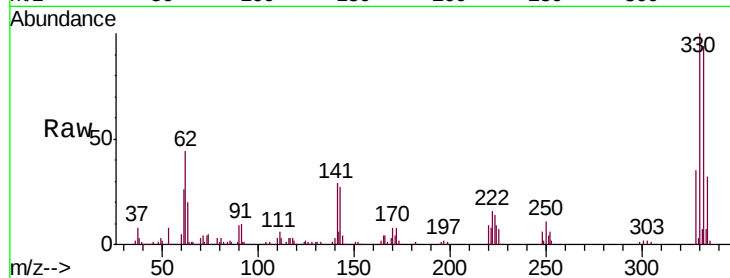
Ion 160.00 (159.70 to 160.70): E



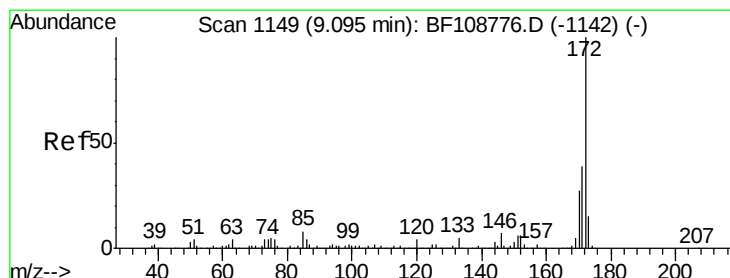
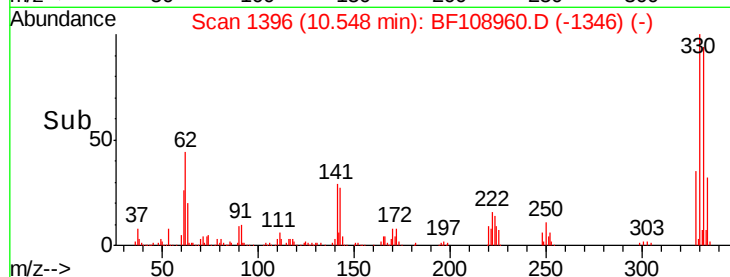
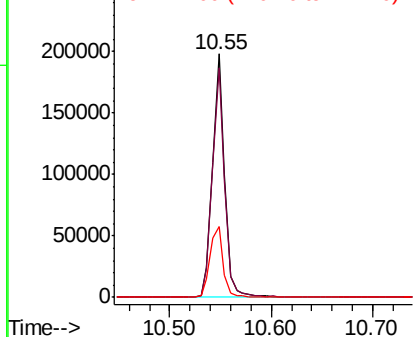


#41
 2,4,6-Tribromophenol
 Concen: 59.035 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	31.5	29.9	44.9

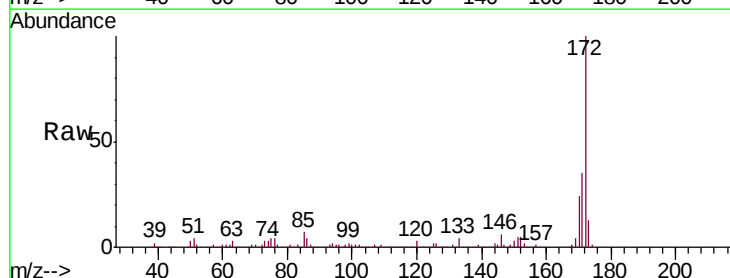


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

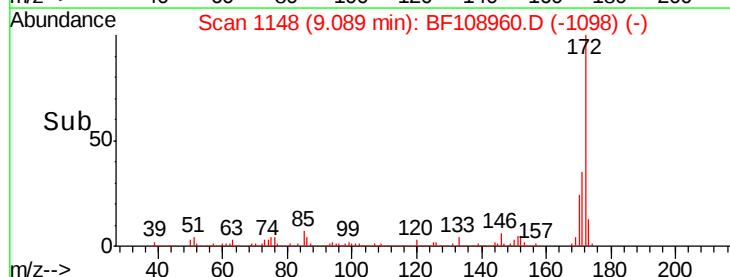
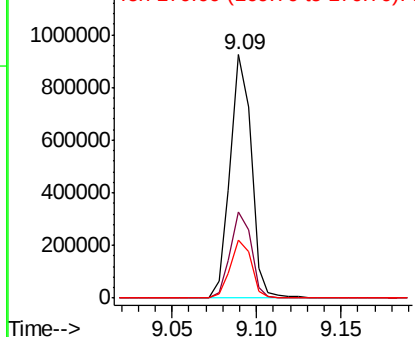


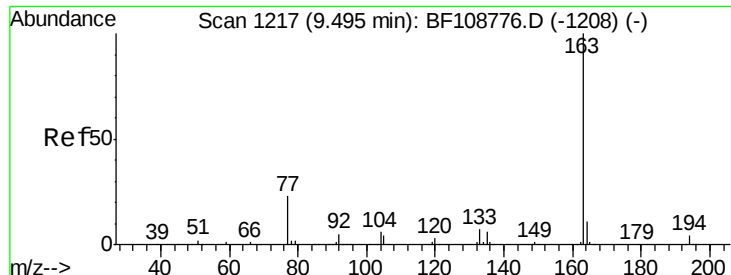
#44
 2-Fluorobiphenyl
 Concen: 46.805 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.8	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





#49

Dimethylphthalate

Concen: 12.224 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

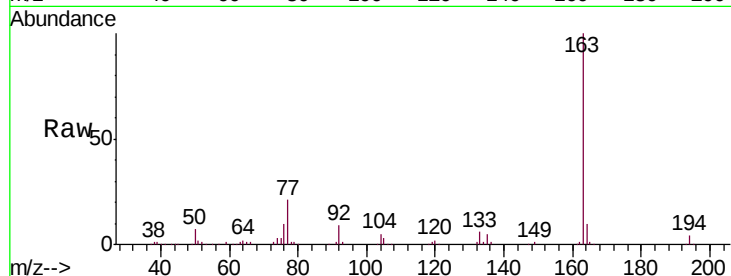
Tgt Ion:163 Resp: 252549

Ion Ratio Lower Upper

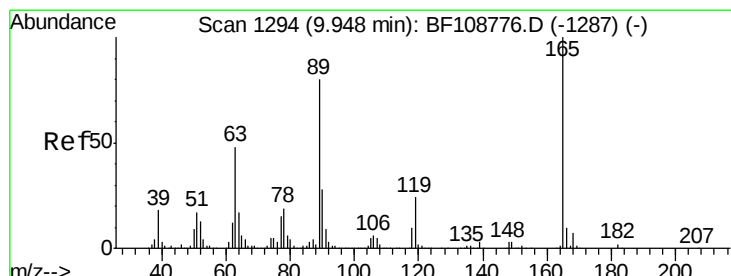
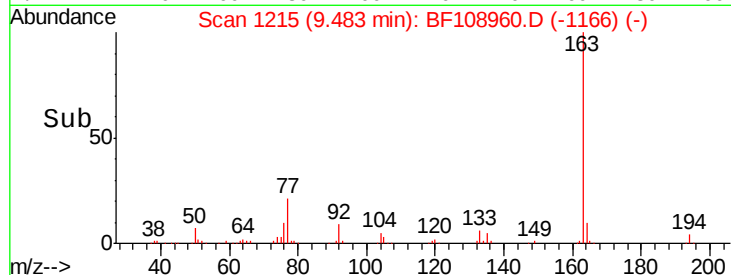
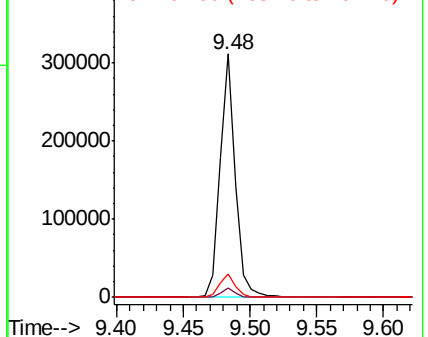
163 100

194 3.7 2.7 4.1

164 9.7 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



#56

2,4-Dinitrotoluene

Concen: 7.454 ng

RT: 9.77 min Scan# 1263

Delta R.T. -0.18 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

Tgt Ion:165 Resp: 37525

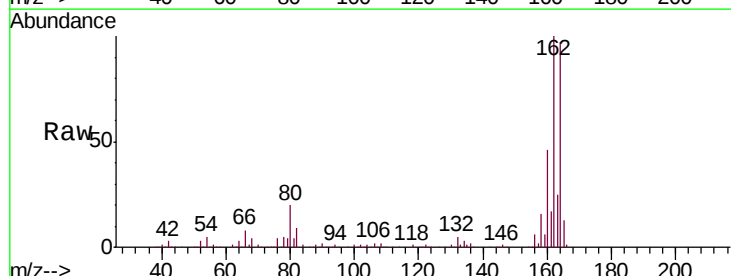
Ion Ratio Lower Upper

165 100

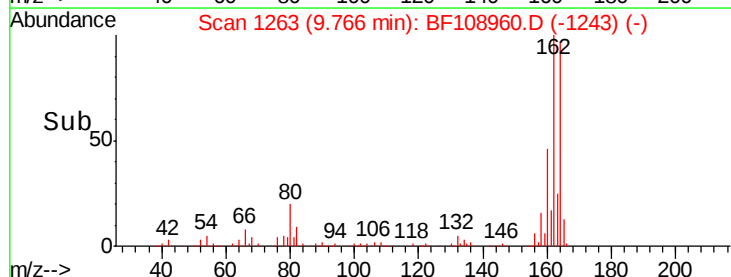
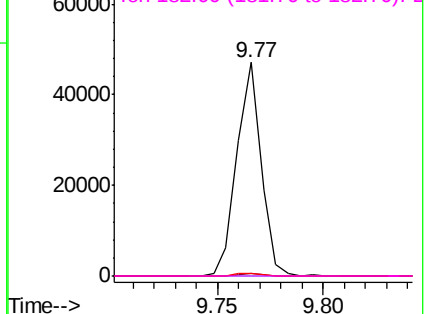
63 1.0 36.4 54.6#

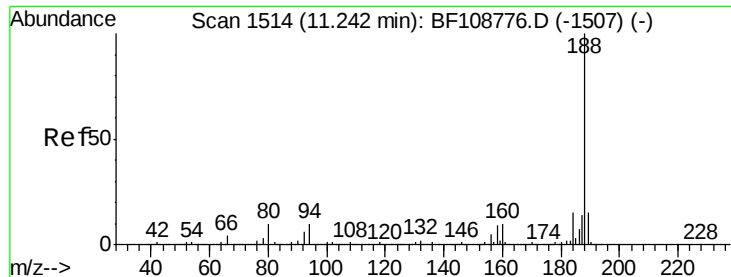
89 1.5 57.8 86.6#

182 0.0 1.6 2.4#



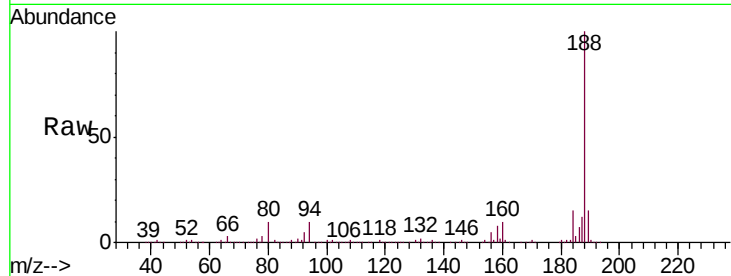
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E



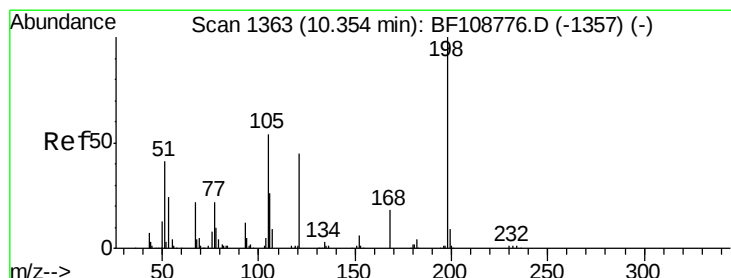
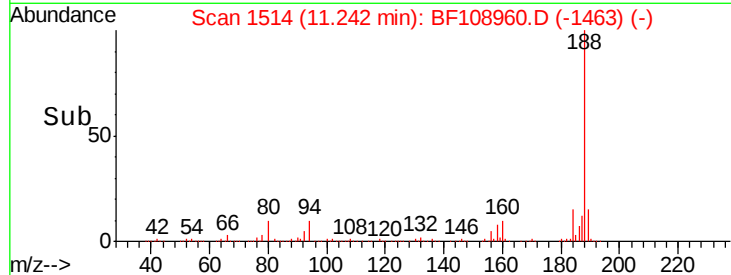
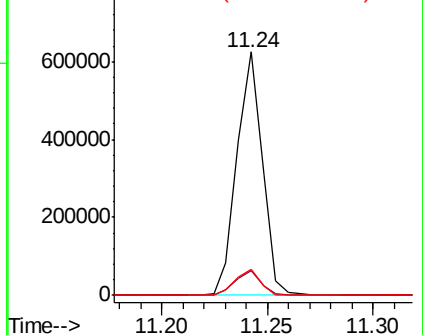


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion:188 Resp: 518206
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.4 9.2 13.8

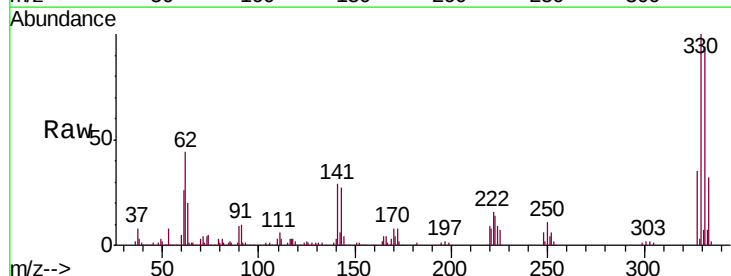


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

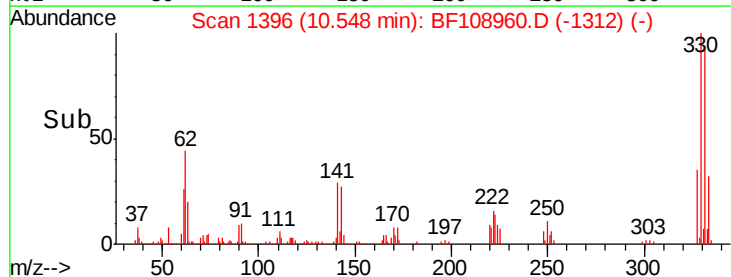
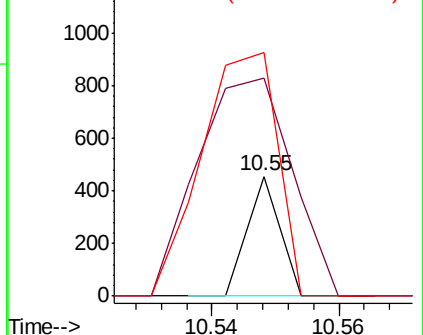


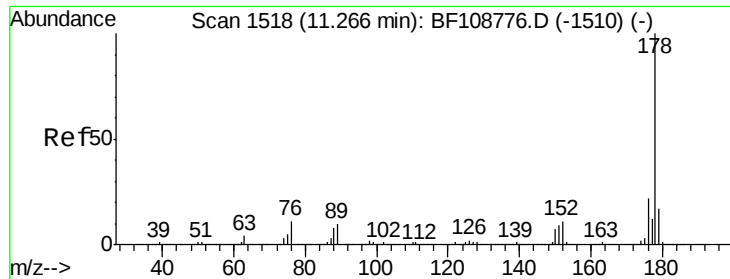
#64
4,6-Dinitro-2-methylphenol
Concen: 6.936 ng
RT: 10.55 min Scan# 1396
Delta R.T. 0.19 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion:198 Resp: 160
Ion Ratio Lower Upper
198 100
51 182.6 37.7 77.7#
105 204.0 36.3 76.3#



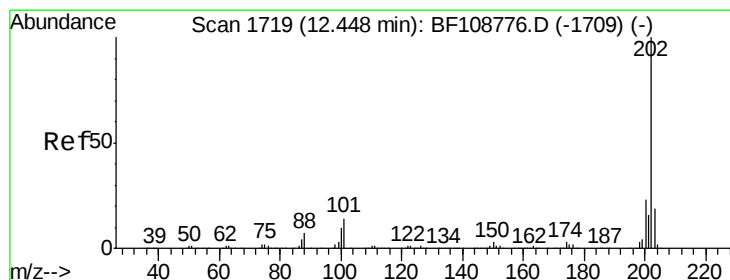
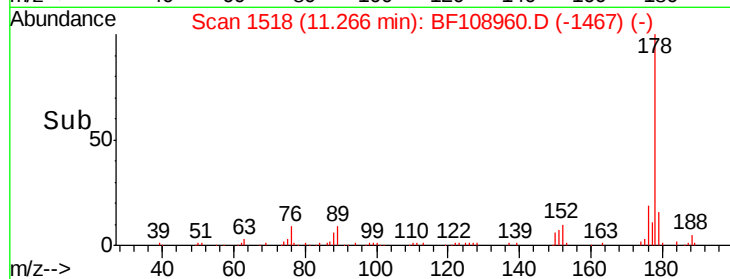
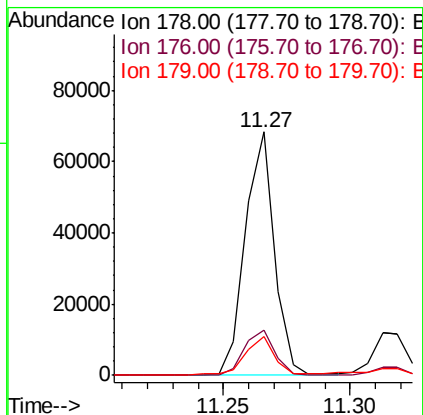
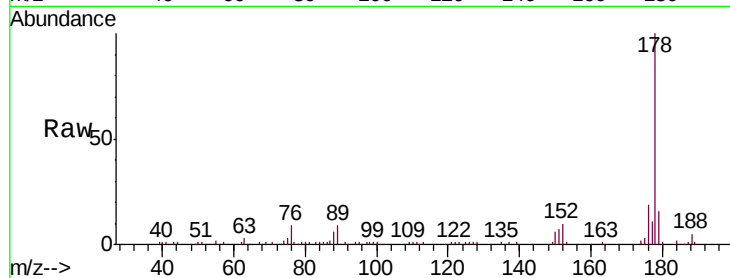
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





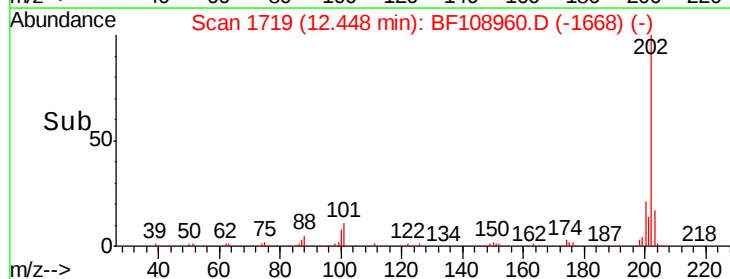
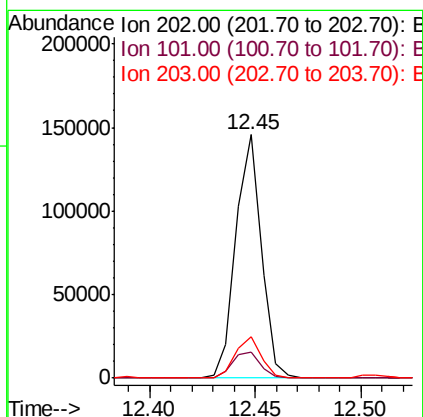
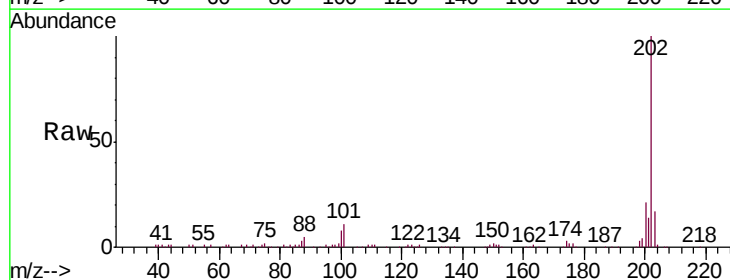
#70
Phenanthrene
Concen: 2.209 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

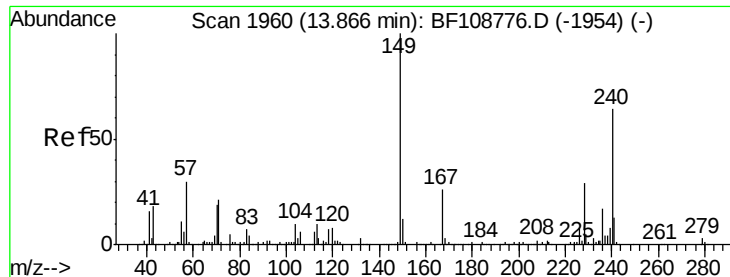
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.1	13.0	19.6



#74
Fluoranthene
Concen: 4.951 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

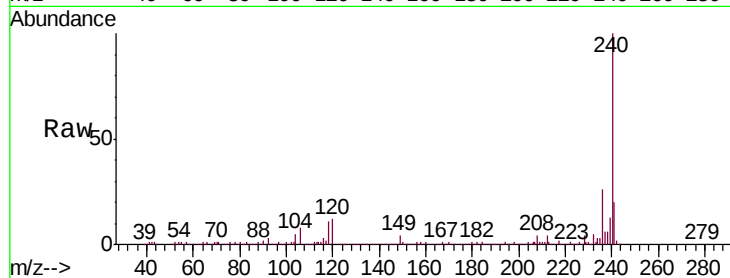
Tgt Ion:240 Resp: 382362

Ion Ratio Lower Upper

240 100

120 12.4 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

13.87

400000

300000

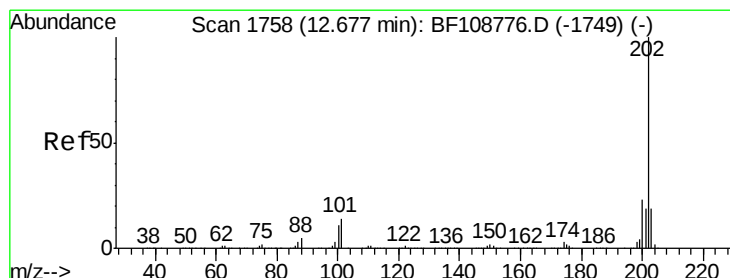
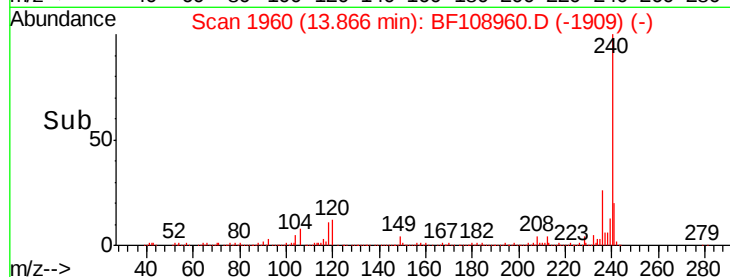
200000

100000

0

13.80 13.90 14.00

Time-->



#77

Pyrene

Concen: 4.212 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

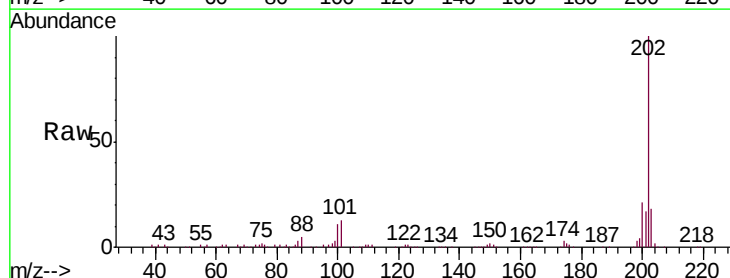
Tgt Ion:202 Resp: 123933

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 17.9 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

12.67

150000

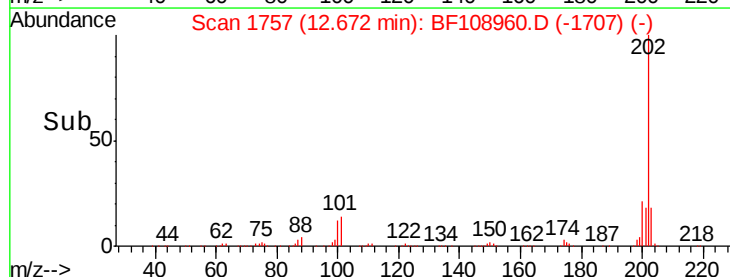
100000

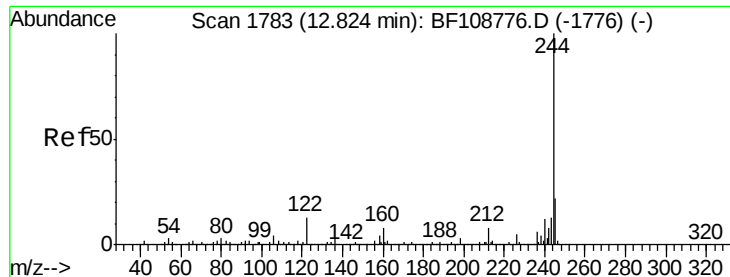
50000

0

12.65 12.70 12.75

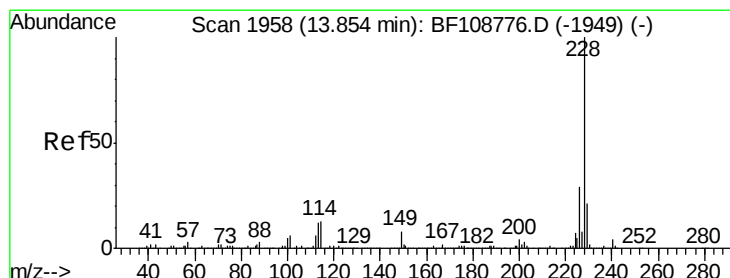
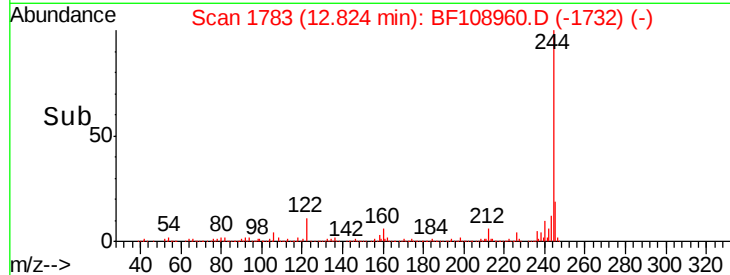
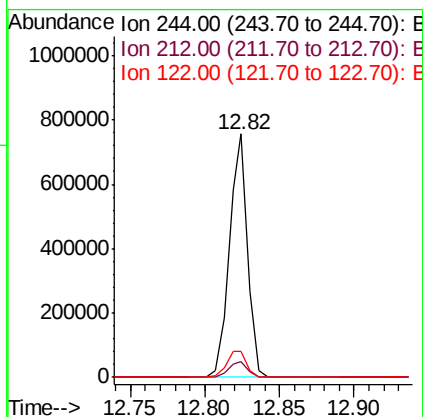
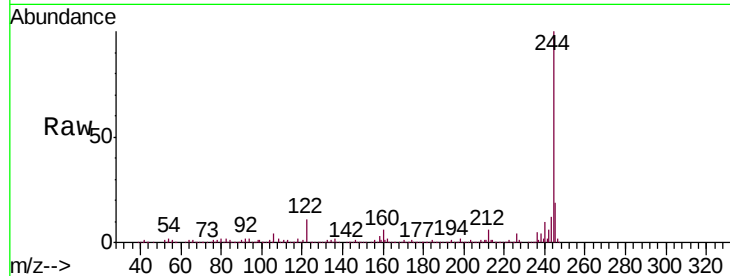
Time-->





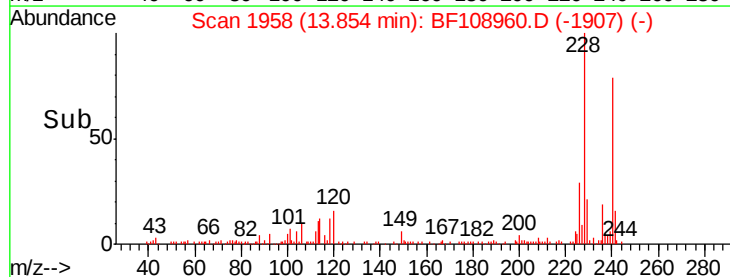
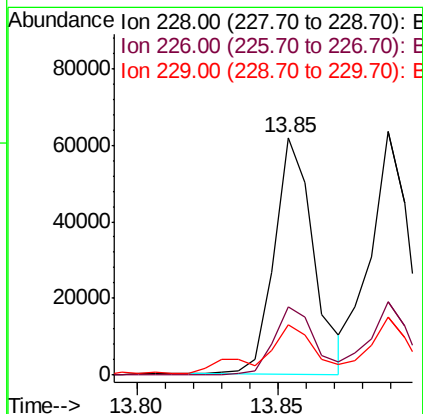
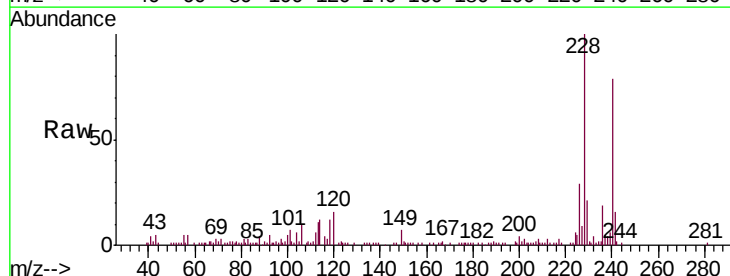
#78
 Terphenyl-d14
 Concen: 39.617 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

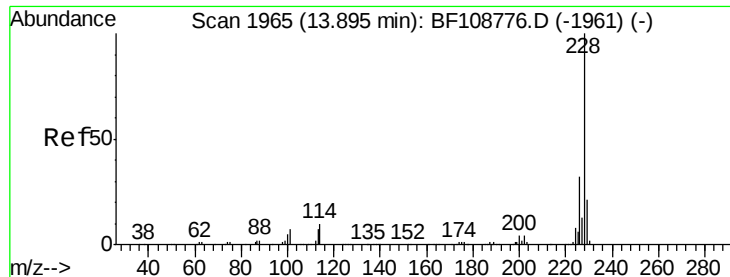
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.5	11.0	16.4#



#80
 Benzo(a)anthracene
 Concen: 2.433 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.1	15.8	23.6





#82

Chrysene

Concen: 2.523 ng

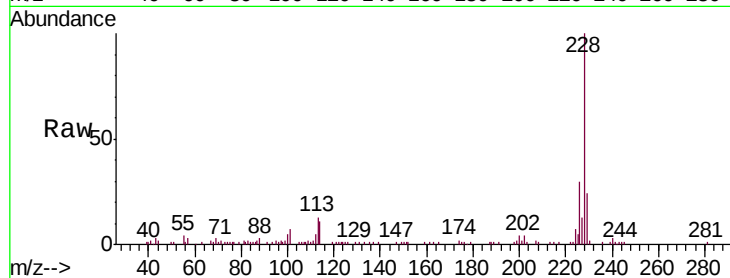
RT: 13.89 min Scan# 1964

Delta R.T. -0.01 min

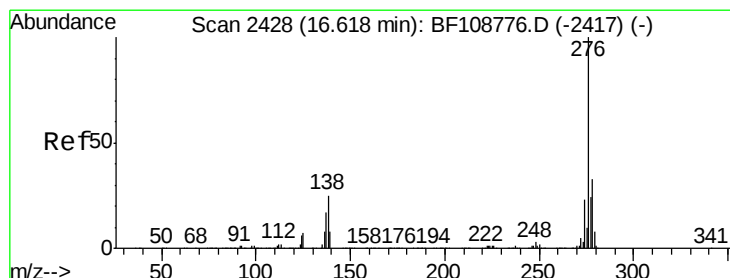
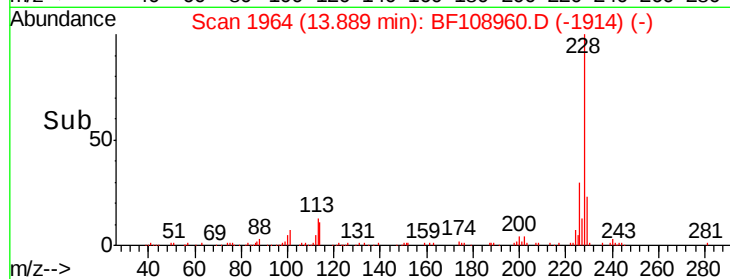
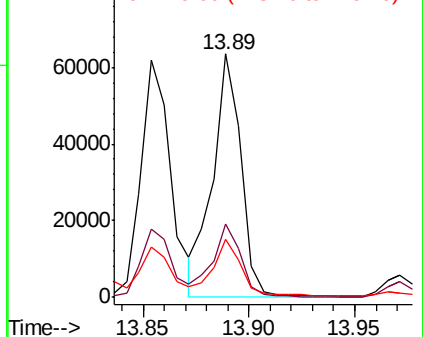
Lab File: BF108960.D

Acq: 12 Sep 2018 19:53

Tgt Ion:	228	Resp:	59853
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	23.9	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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.265 ng

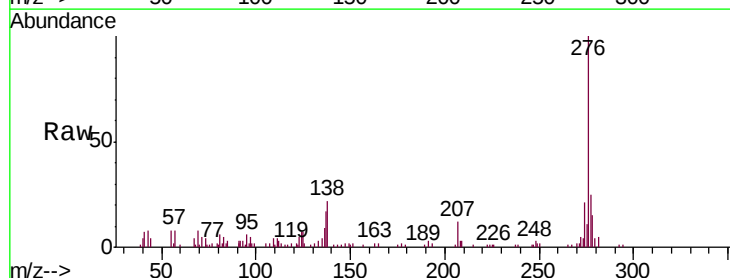
RT: 16.62 min Scan# 2429

Delta R.T. 0.01 min

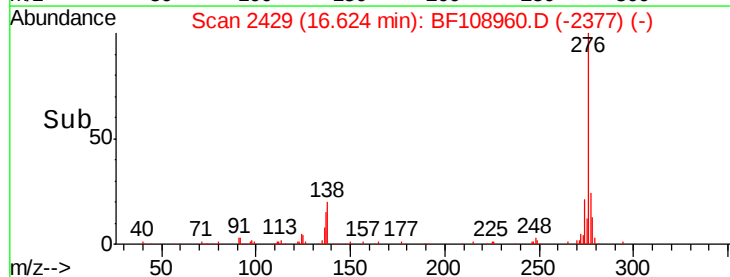
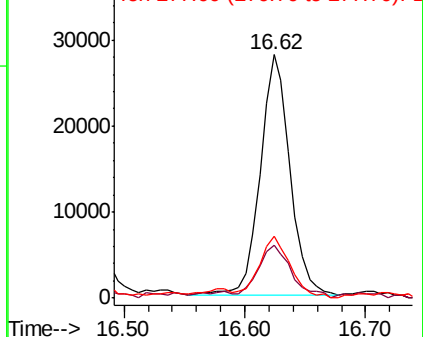
Lab File: BF108960.D

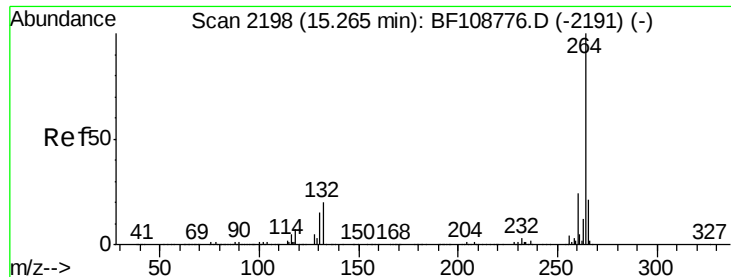
Acq: 12 Sep 2018 19:53

Tgt Ion:	276	Resp:	47549
Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	27.5	20.1	30.1



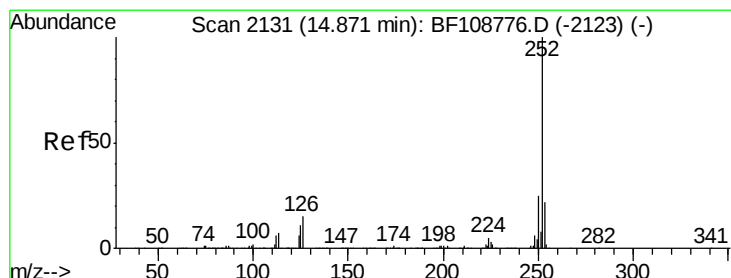
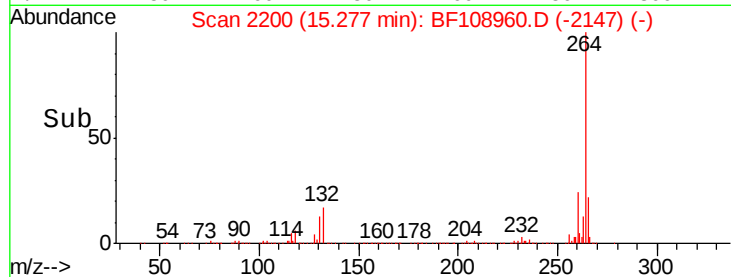
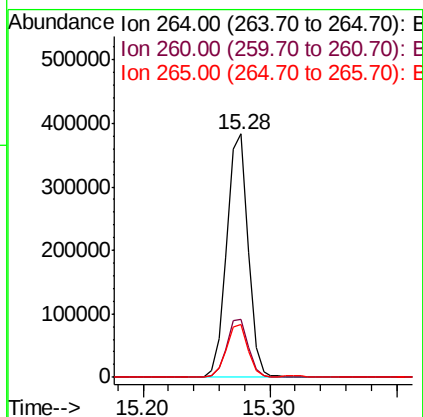
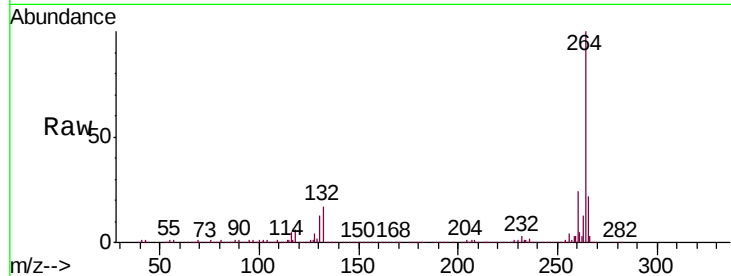
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





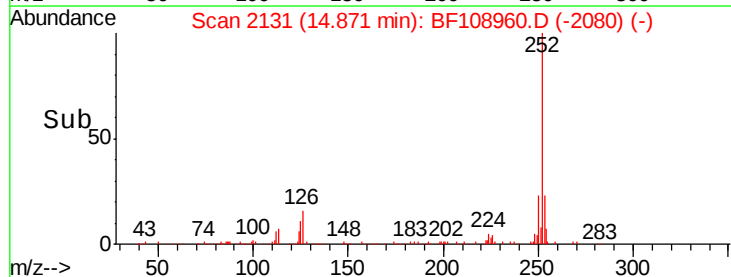
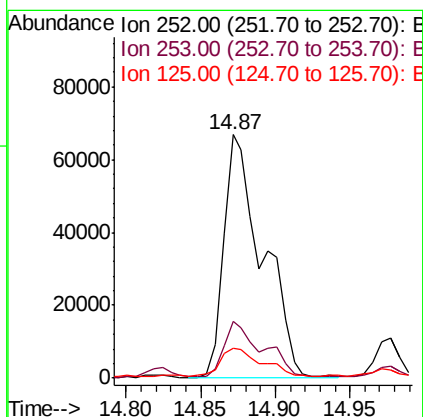
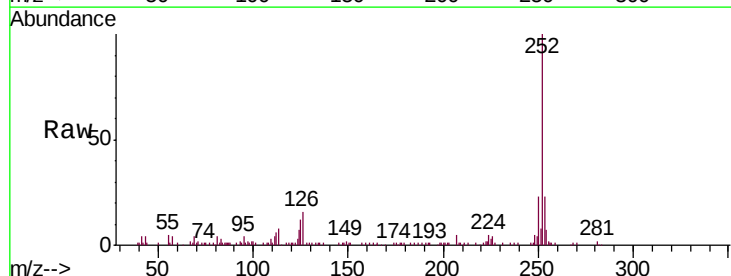
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

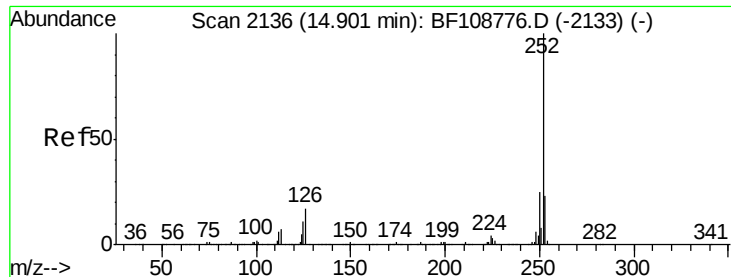
Tgt Ion:	264	Resp:	447956
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 5.010 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

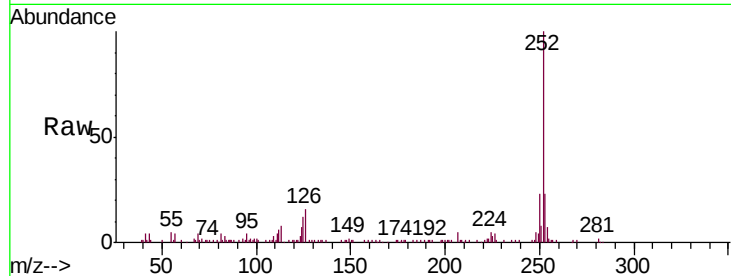
Tgt Ion:	252	Resp:	122030
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	12.4	9.0	13.6



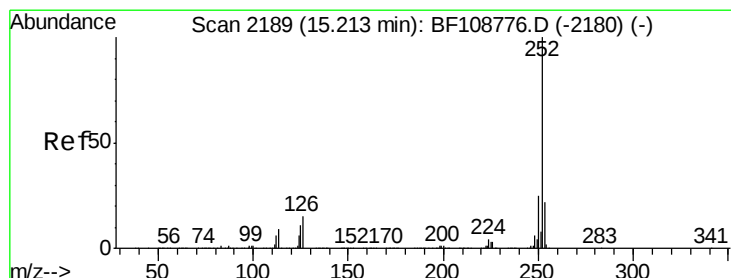
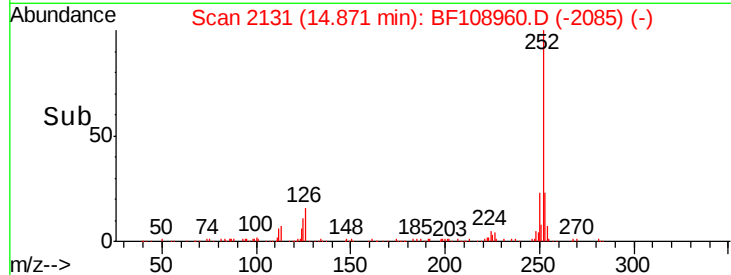
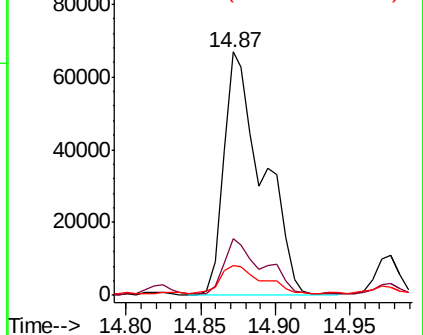


#88
Benzo(k)fluoranthene
Concen: 5.440 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.03 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion:	252	Resp:	122030
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.4	10.2	15.2

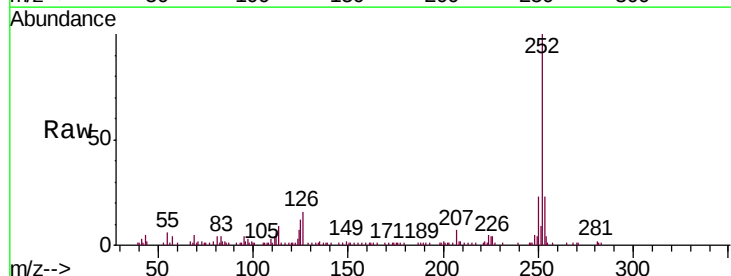


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

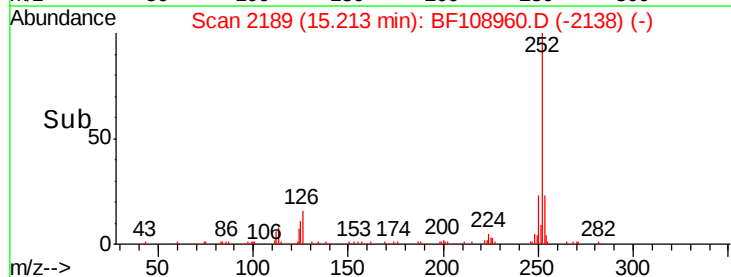
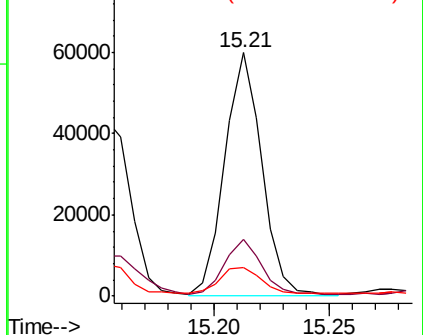


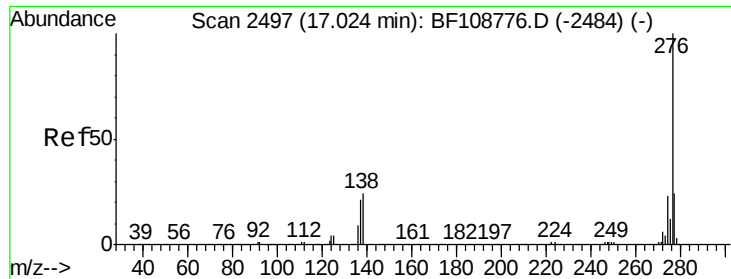
#89
Benzo(a)pyrene
Concen: 3.053 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

Tgt Ion:	252	Resp:	67089
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.9	9.8	14.6



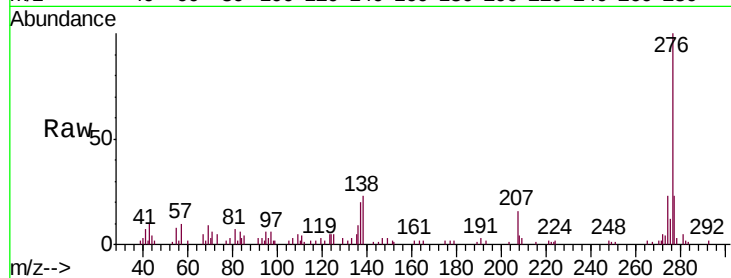
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 2.461 ng
 RT: 17.04 min Scan# 2499
 Delta R.T. 0.01 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

Tgt Ion:	276	Resp:	47713
Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	22.7	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

