

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
 Data File : BF108960.D
 Acq On : 12 Sep 2018 19:53
 Operator : JU/SJ
 Sample : J4853-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

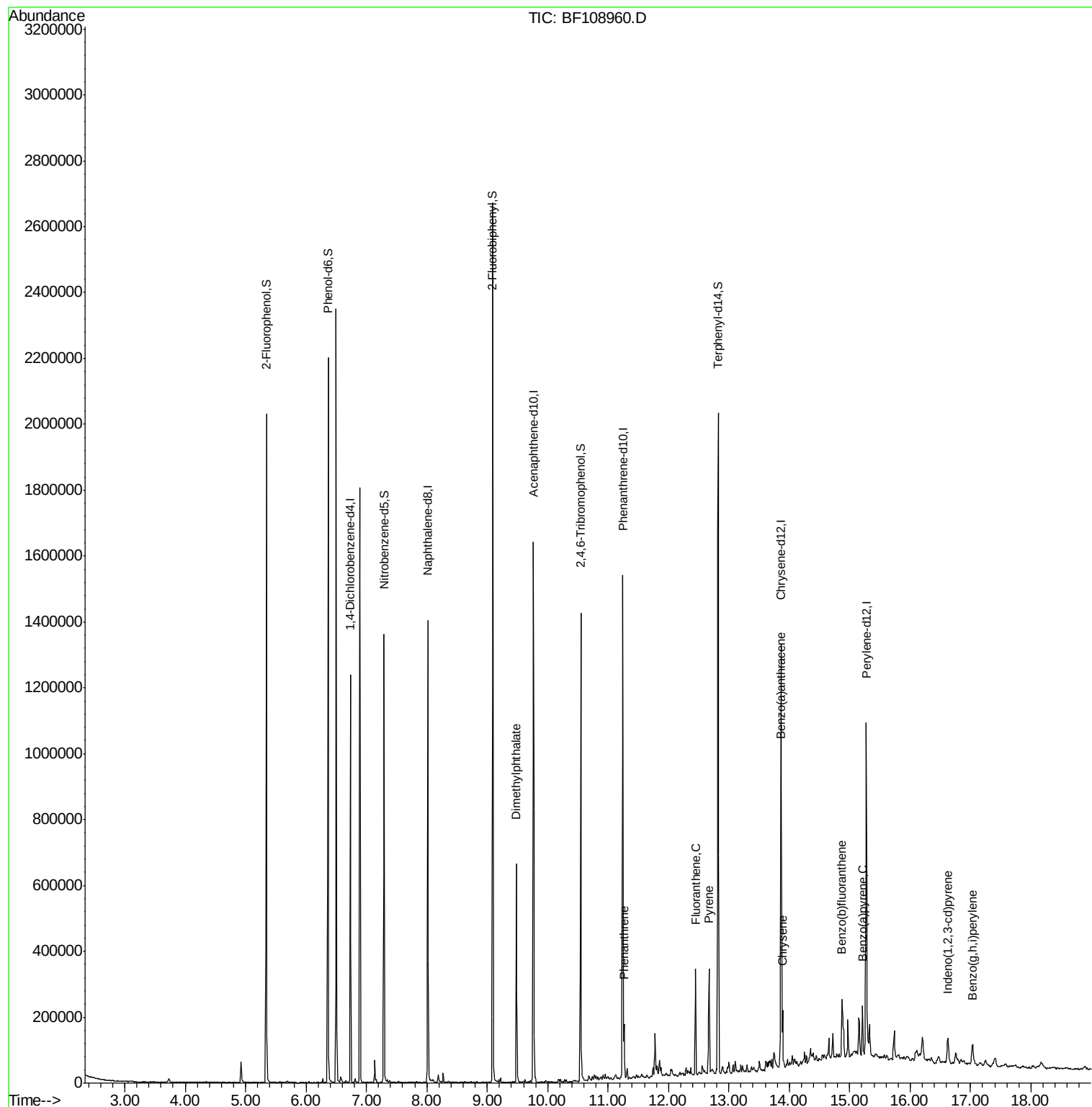
Quant Time: Sep 13 03:23:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

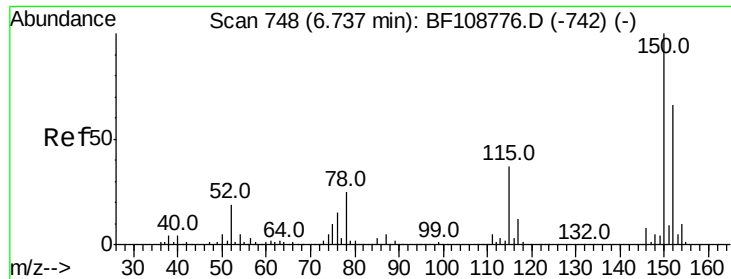
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	164222	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	622600	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	295380	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	518206	20.00	ng	0.00
75) Chrysene-d12	13.87	240	382362	20.00	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
49) Dimethylphthalate	9.48	163	252549	12.224	ng	99
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	89702m	3.683	ng	
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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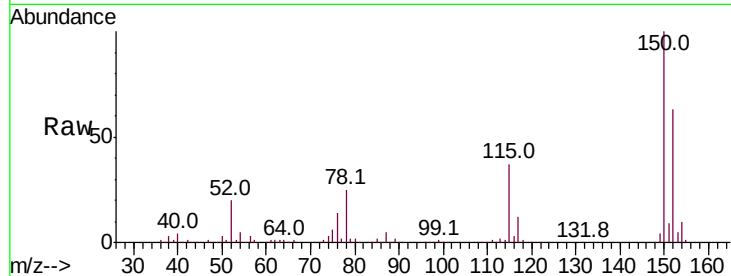




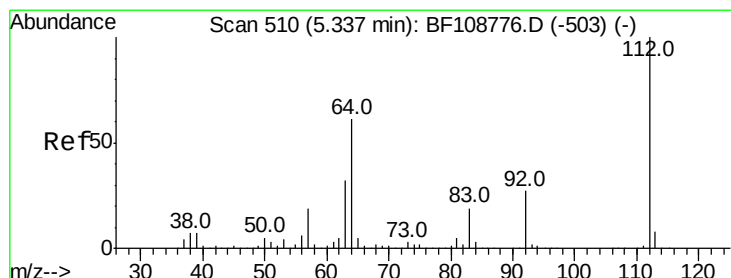
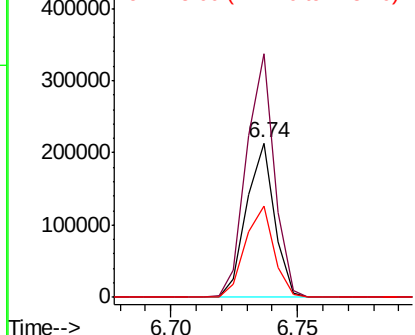
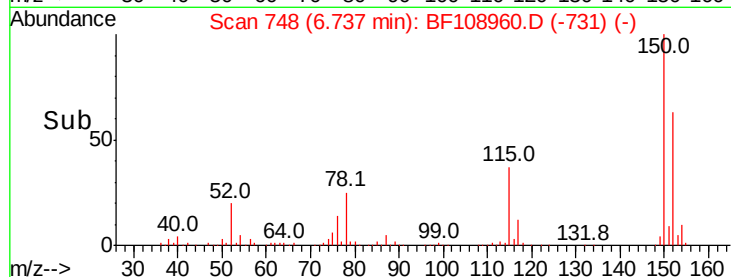
#1

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

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



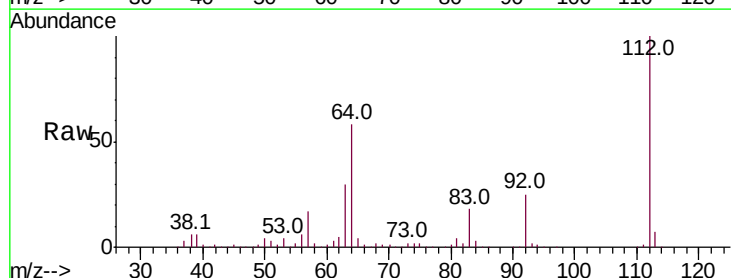
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



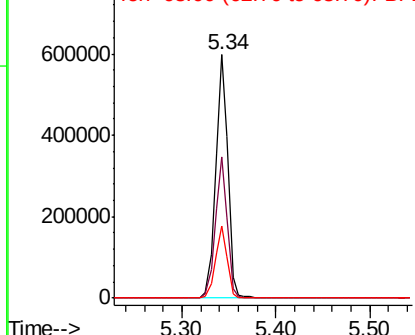
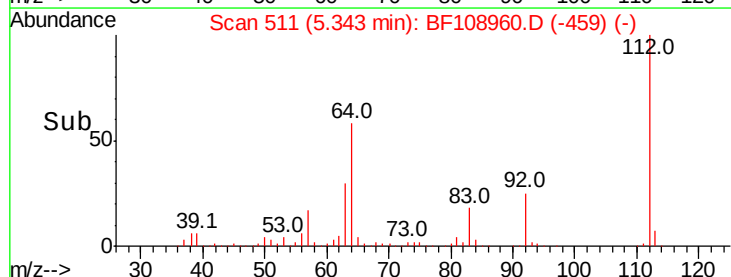
#5

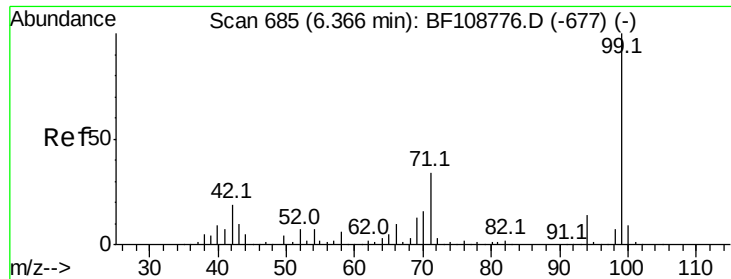
2-Fluorophenol
Concen: 55.234 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

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

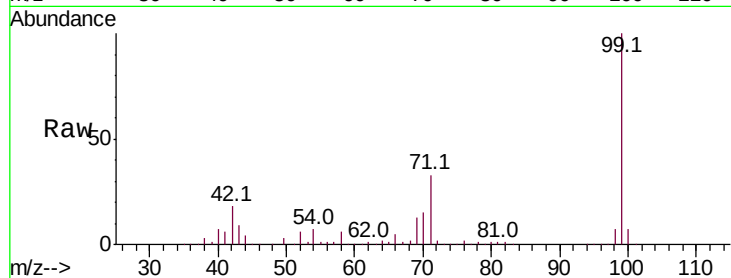
Delta R.T. -0.00 min

Lab File: BF108960.D

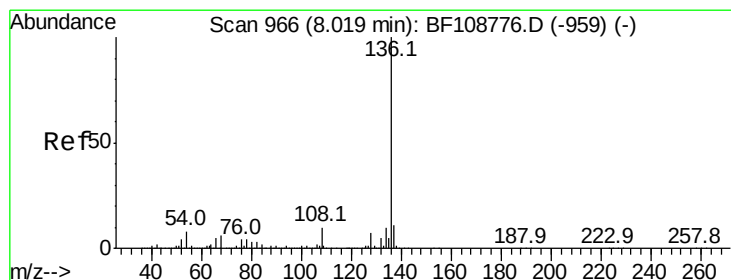
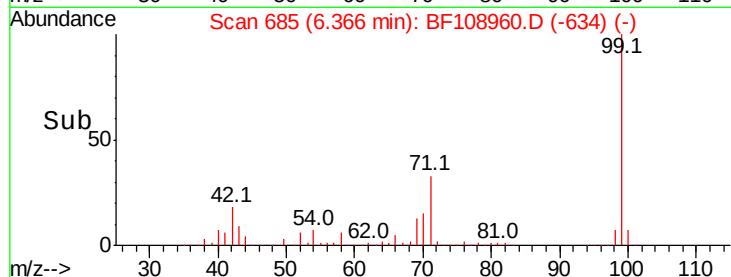
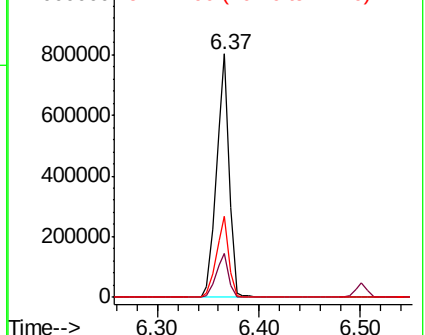
Acq: 12 Sep 2018 19:53

Tot 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 966

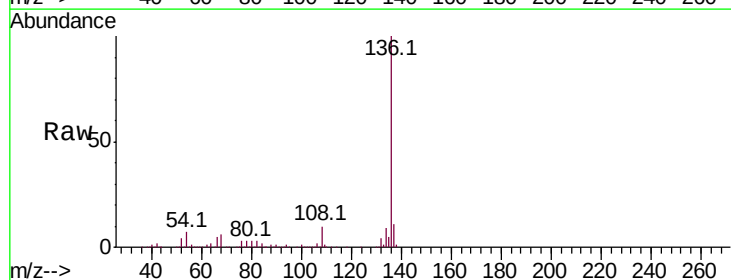
Delta R.T. -0.00 min

Lab File: BF108960.D

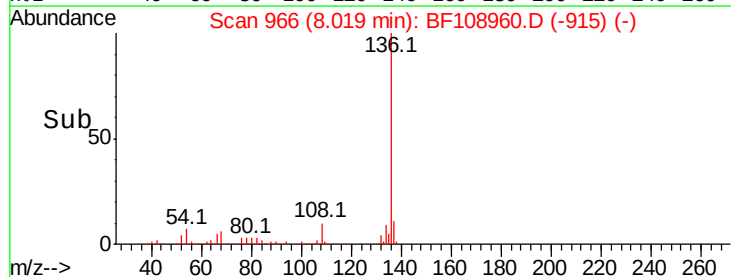
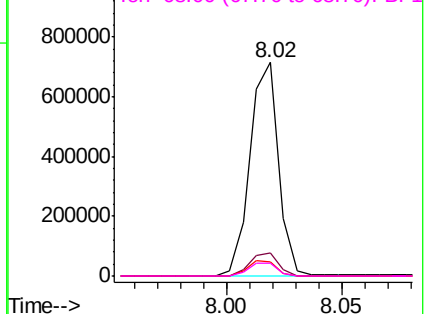
Acq: 12 Sep 2018 19:53

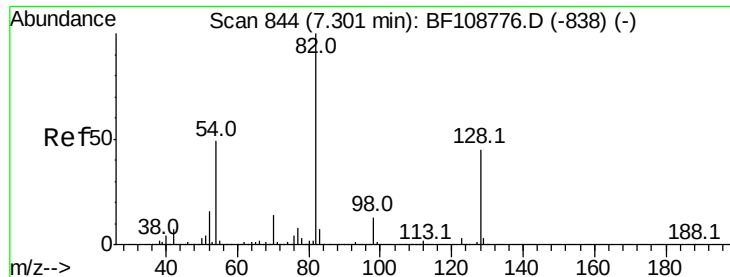
Tgt Ion: 136 Resp: 622600

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



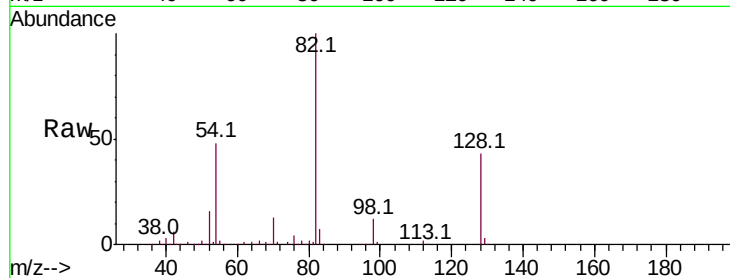
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



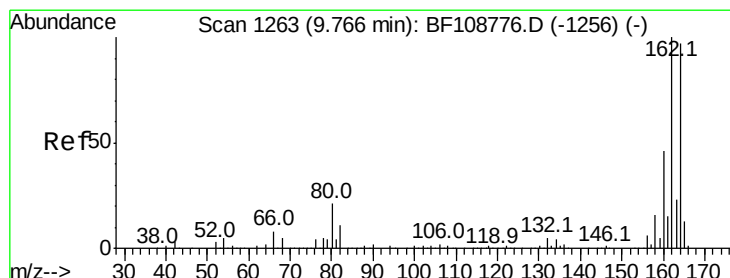
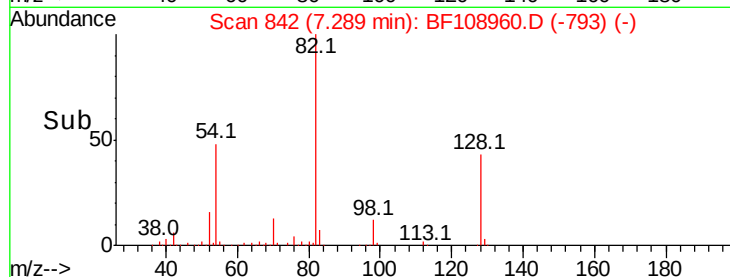
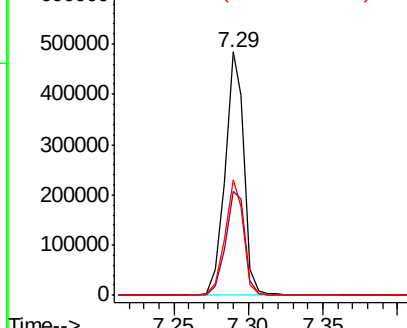


#23
Nitrobenzene-d5
Concen: 43.883 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

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

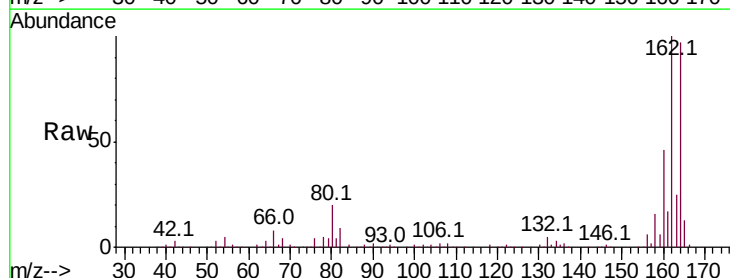


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

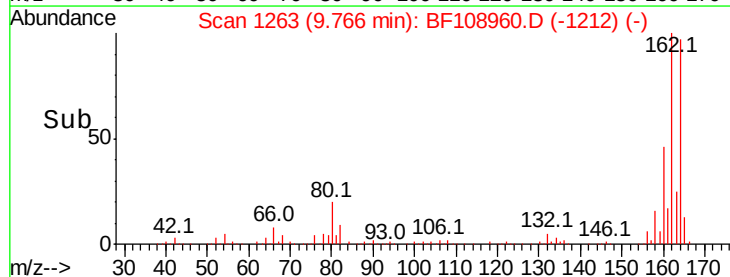
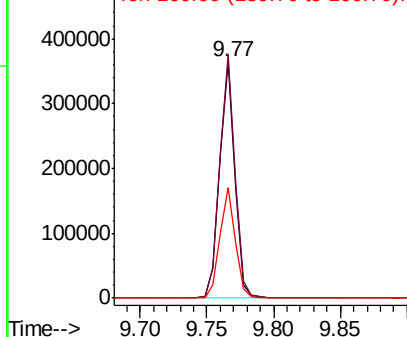


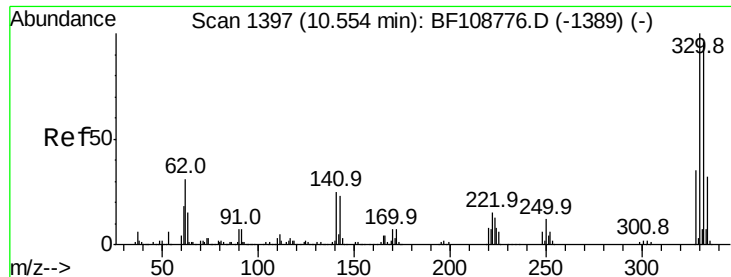
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

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

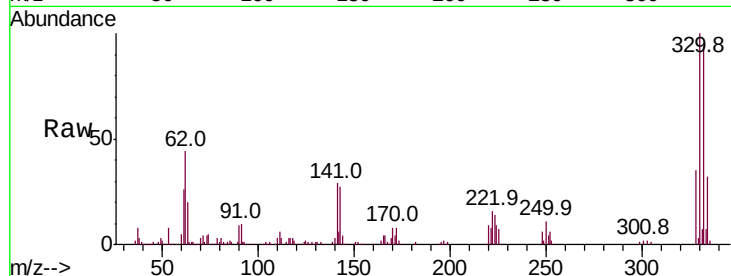
Tot Ion:330 Resp: 166468

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

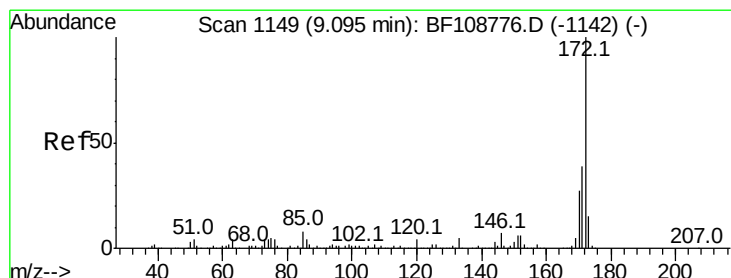
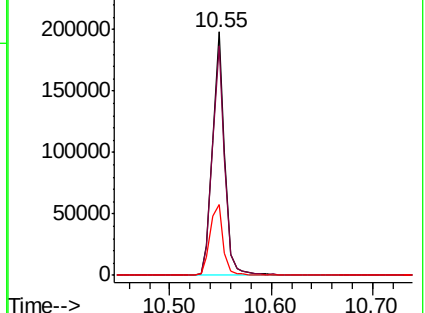
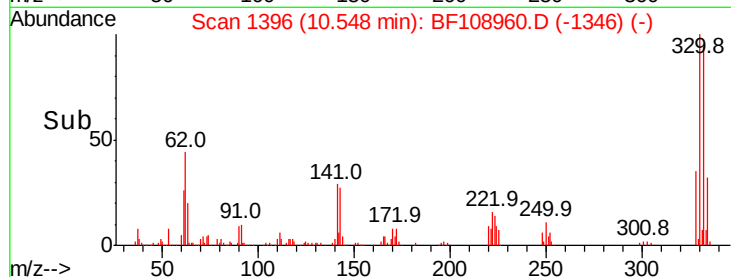
141 31.5 29.9 44.9



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

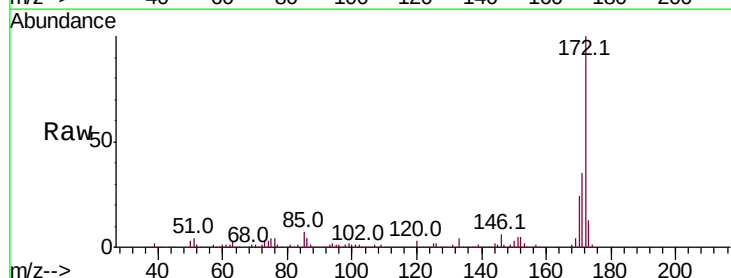
Tgt Ion:172 Resp: 810396

Ion Ratio Lower Upper

172 100

171 35.3 29.7 44.5

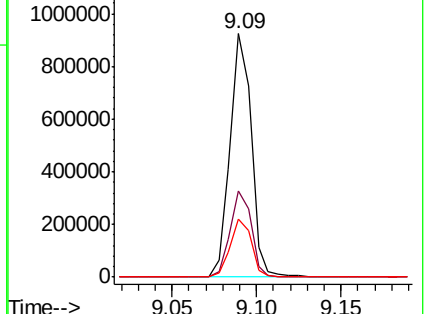
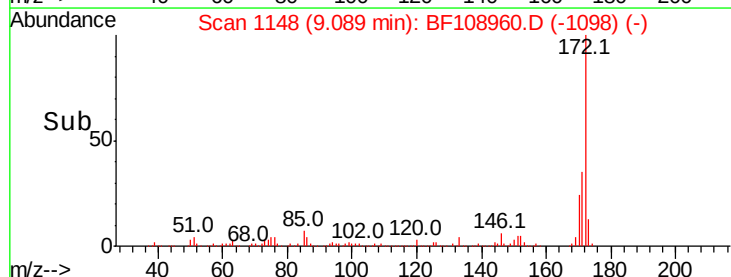
170 23.8 19.6 29.4

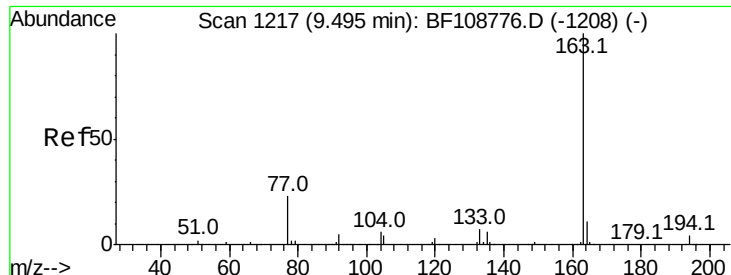


Abundance Ion 172.00 (171.70 to 172.70): E

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

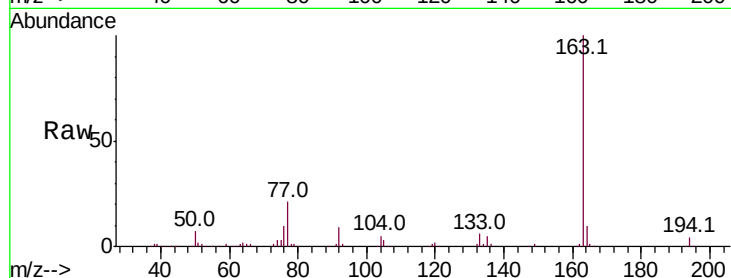
Tot Ion:163 Resp: 252549

Ion Ratio Lower Upper

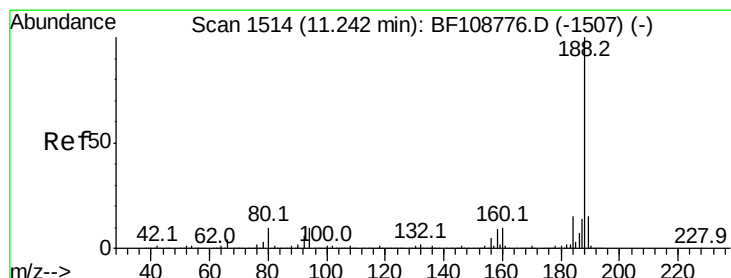
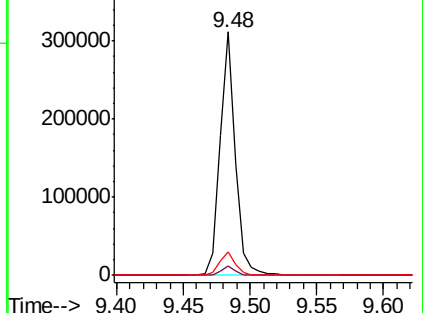
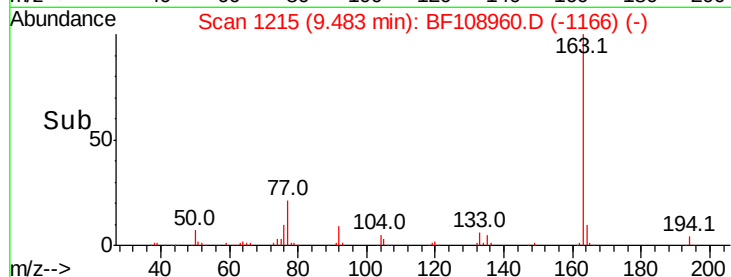
163 100

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



#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

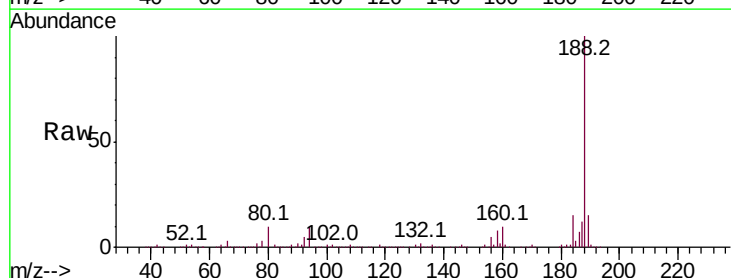
Tgt Ion:188 Resp: 518206

Ion Ratio Lower Upper

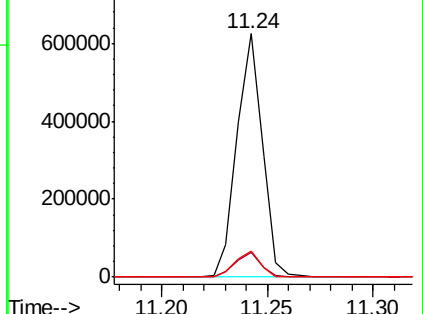
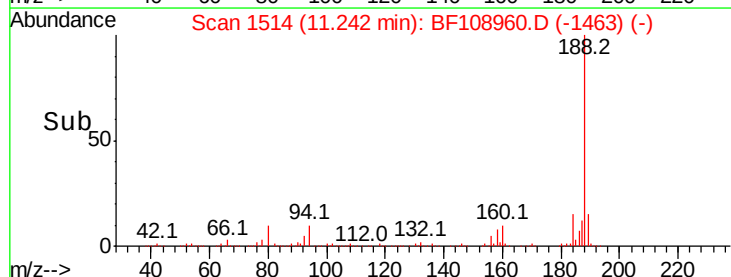
188 100

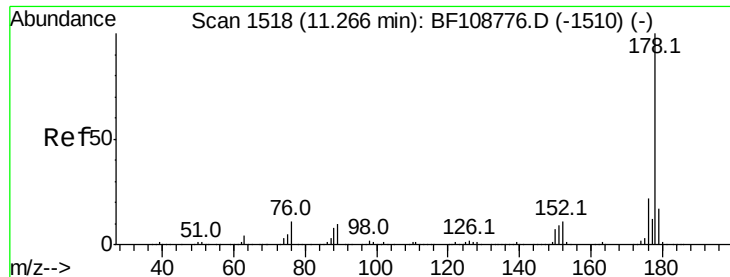
94 10.0 8.5 12.7

80 10.4 9.2 13.8



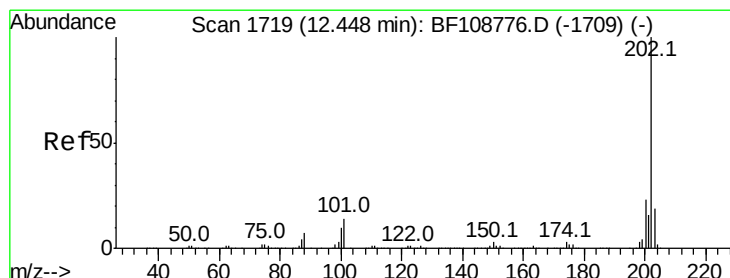
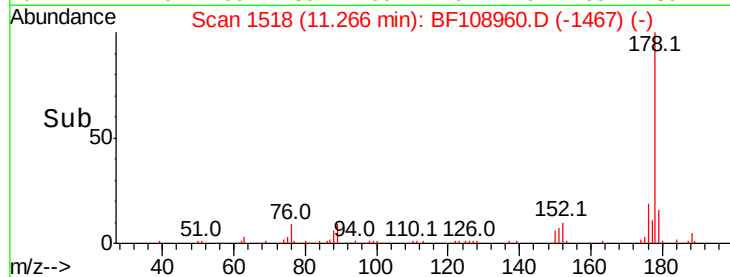
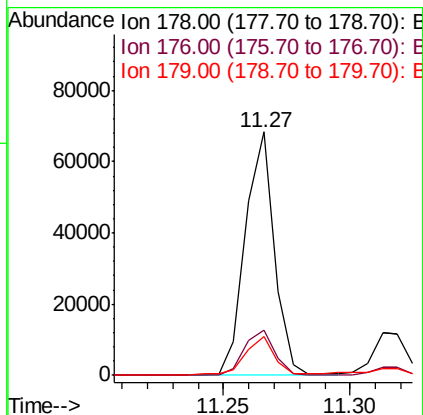
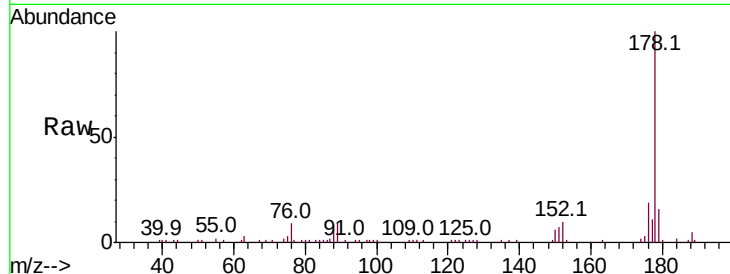
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





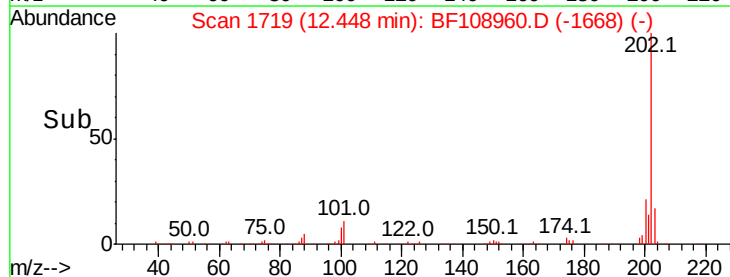
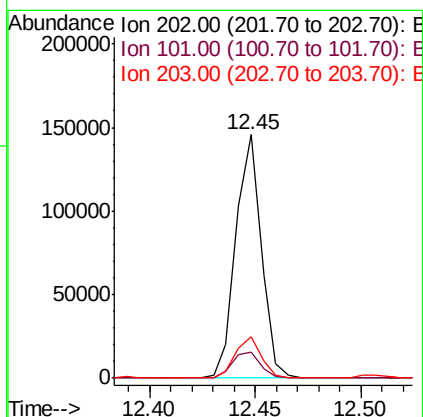
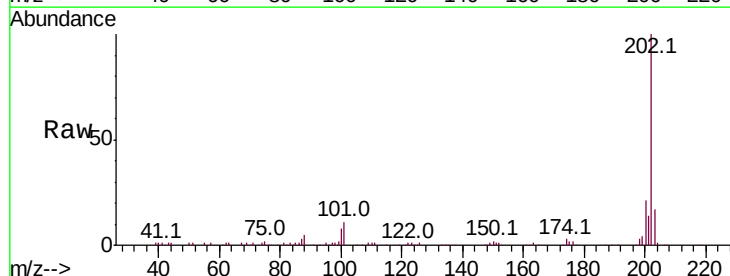
#70
Phenanthrene
Concen: 2.209 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

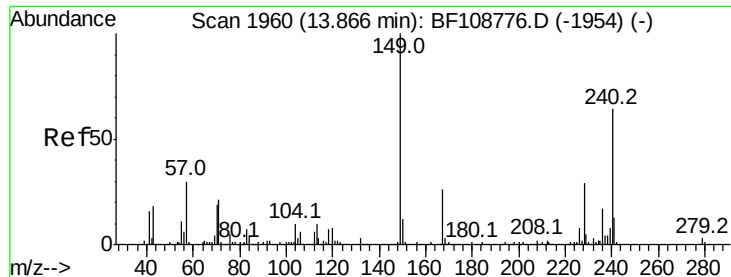
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.1	13.0	19.6



#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

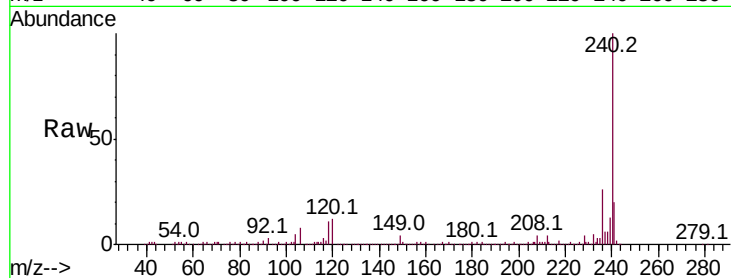
Tot Ion:240 Resp: 382362

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

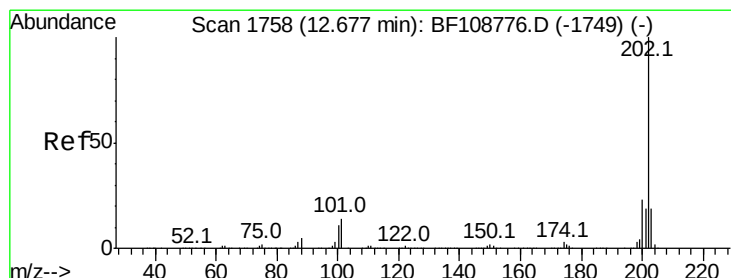
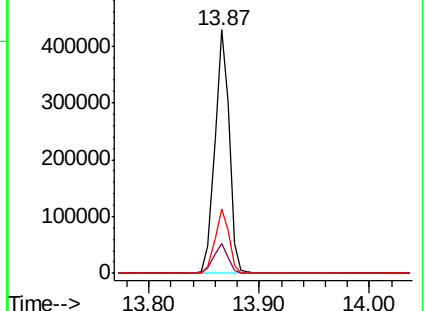
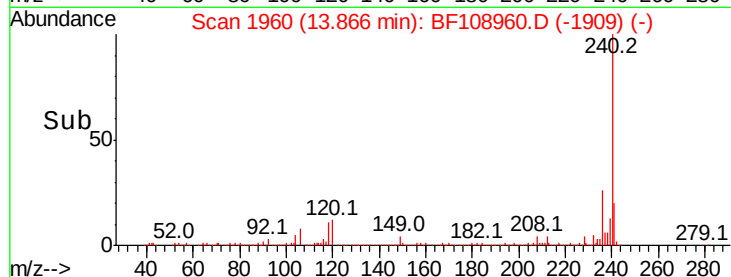
236 26.4 20.7 31.1



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



#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

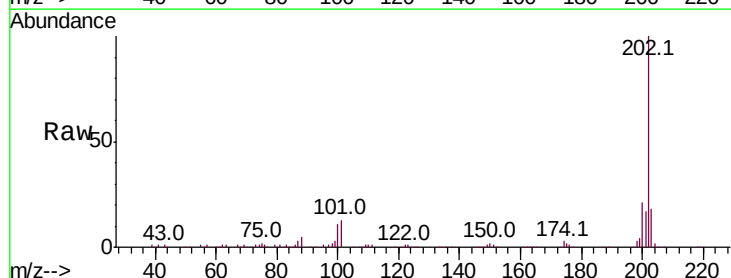
Tgt Ion:202 Resp: 123933

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

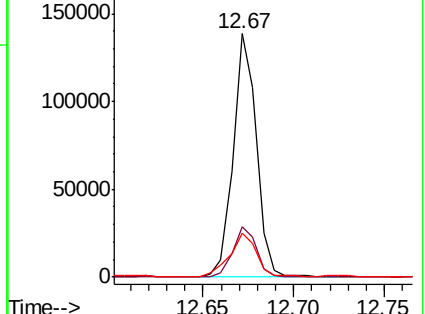
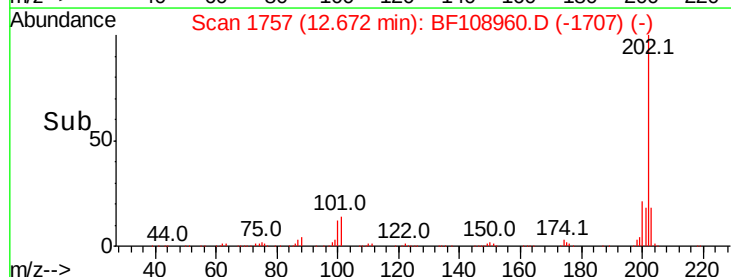
203 17.9 14.3 21.5

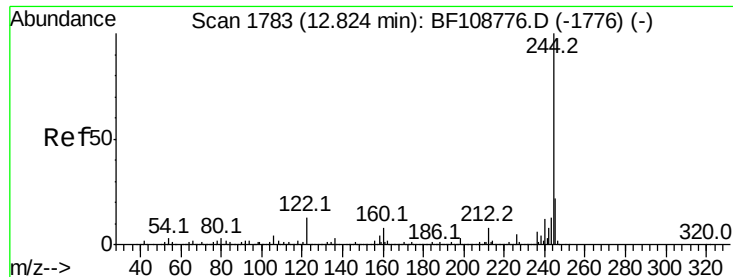


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#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

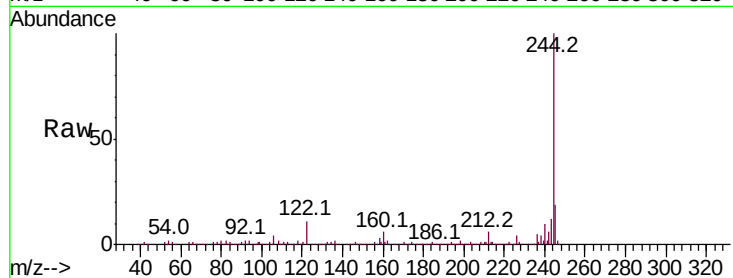
Tot Ion:244 Resp: 649607

Ion Ratio Lower Upper

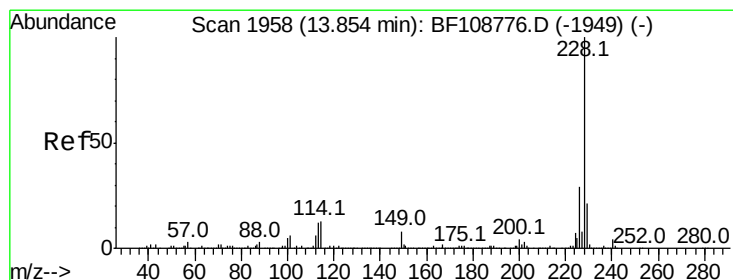
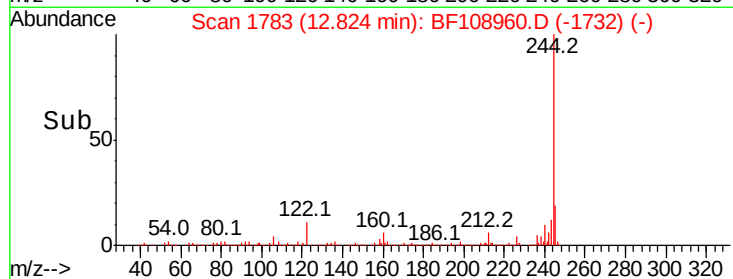
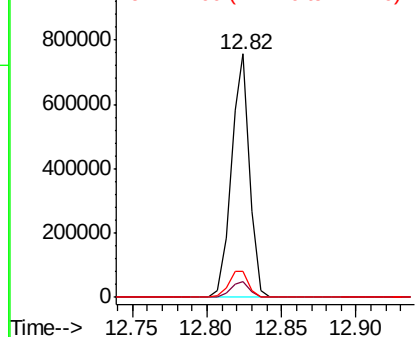
244 100

212 6.5 5.4 8.0

122 10.5 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: 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

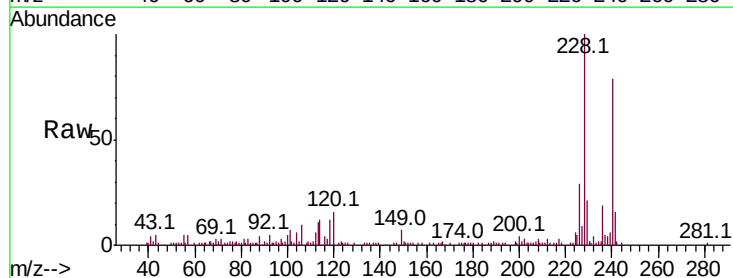
Tgt Ion:228 Resp: 59628

Ion Ratio Lower Upper

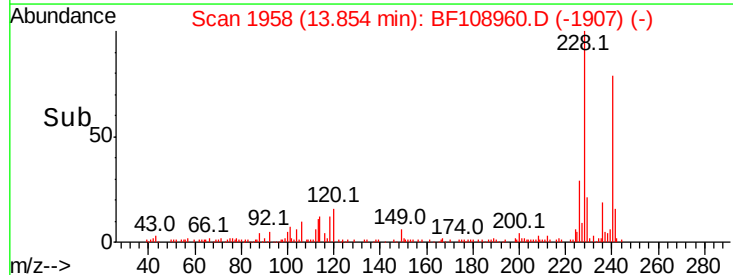
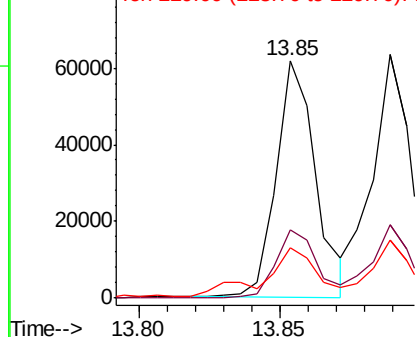
228 100

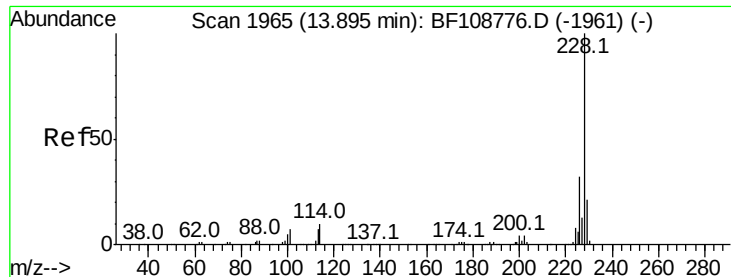
226 28.9 22.6 33.8

229 21.1 15.8 23.6



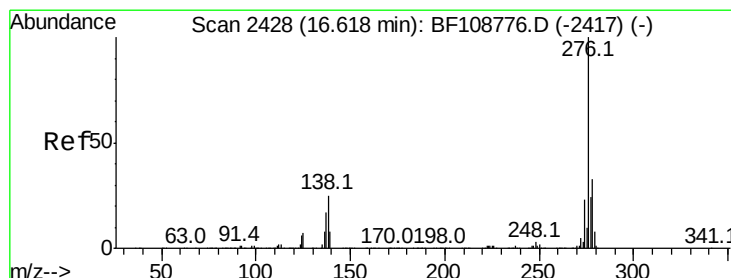
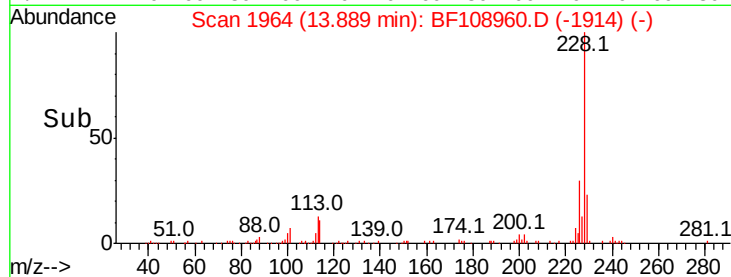
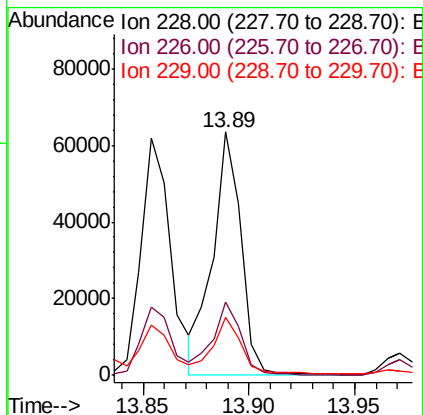
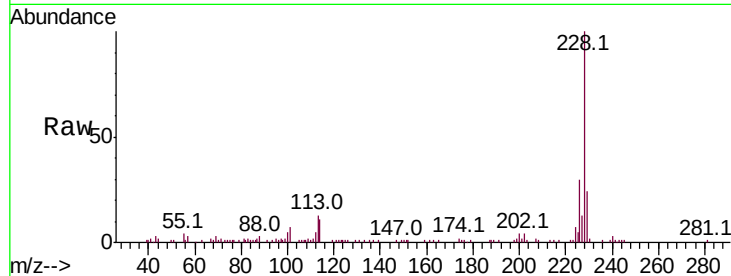
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





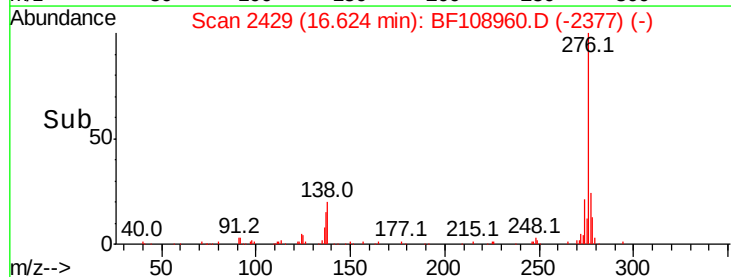
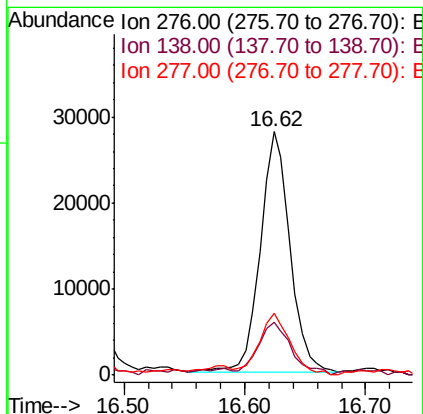
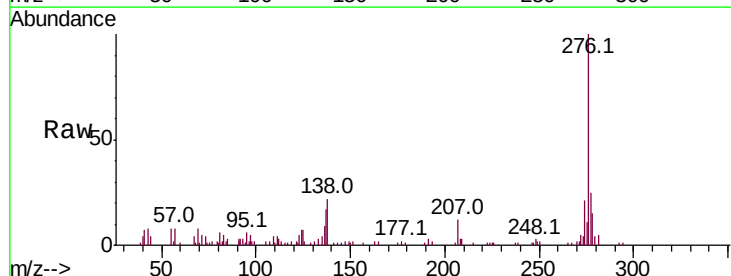
#82
 Chrysene
 Concen: 2.523 ng
 RT: 13.89 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF108960.D
 Acq: 12 Sep 2018 19:53

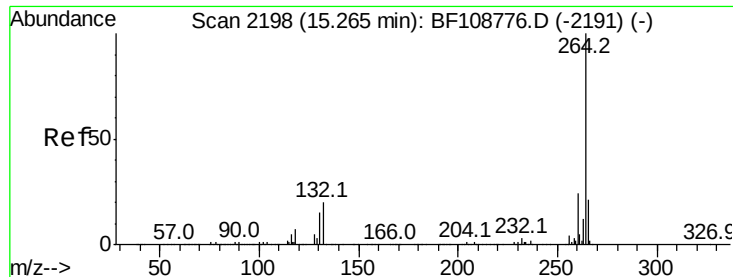
Tot	Ion:228	Resp:	59853
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	23.9	16.2	24.4



#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

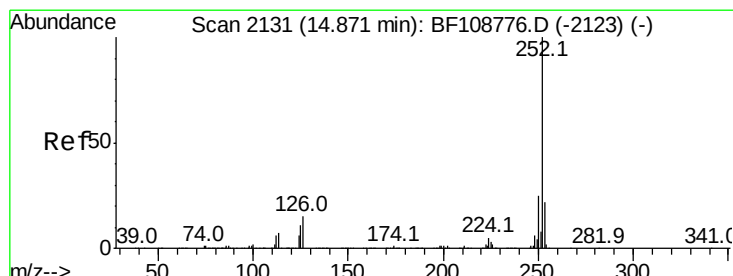
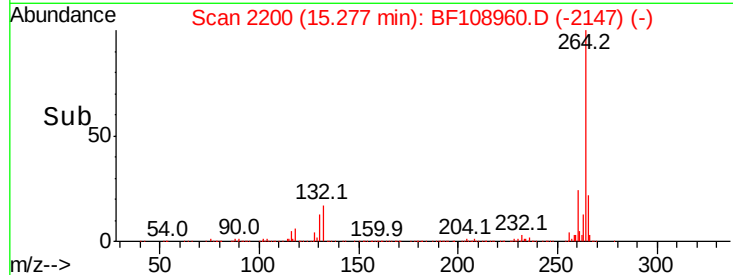
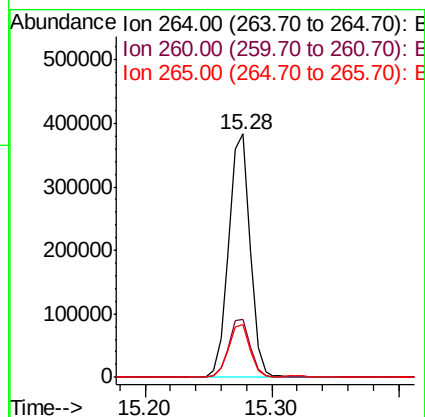
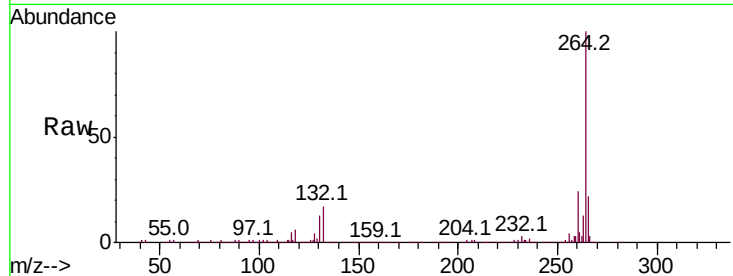
Tgt	Ion:276	Resp:	47549
Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	27.5	20.1	30.1





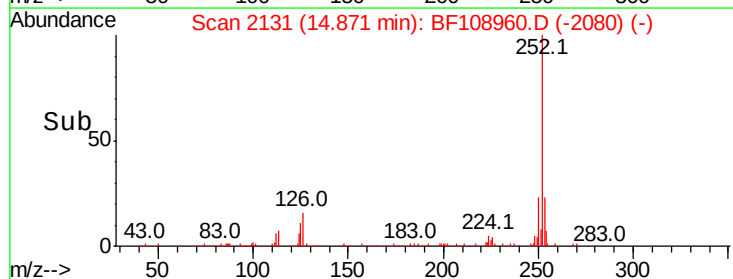
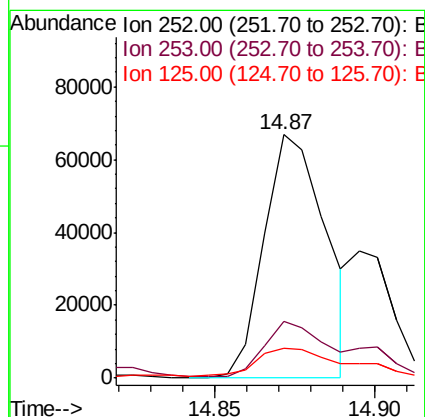
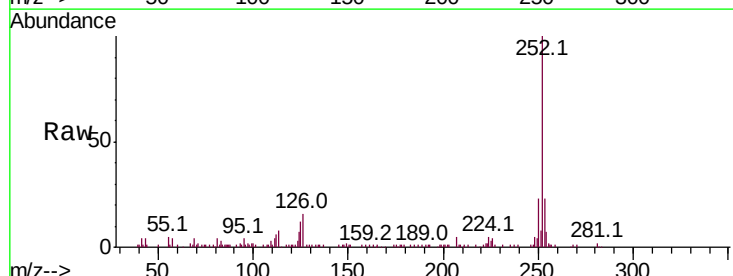
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108960.D
Acq: 12 Sep 2018 19:53

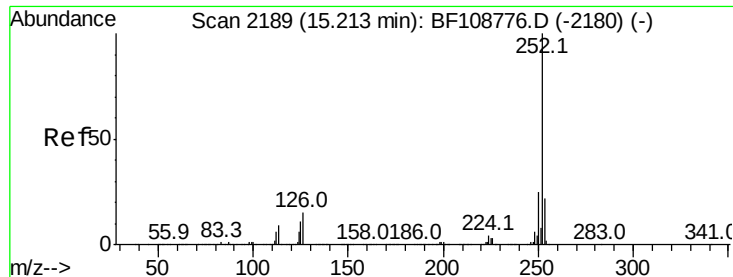
Tot Ion:264	Resp:	447956
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.2 28.8
265	21.8	17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.683 ng m
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:	89702
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.0 25.6
125	12.4	9.0 13.6





#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

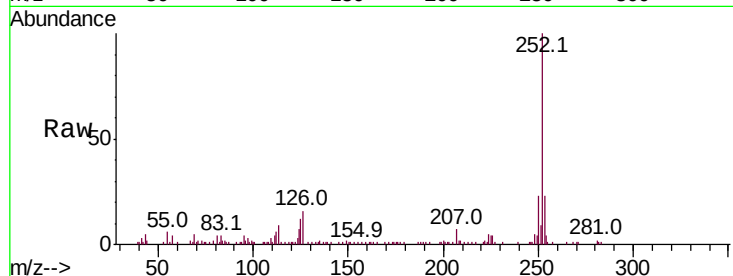
Tot Ion:252 Resp: 67089

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.9	9.8	14.6

252 100

253 23.3 17.1 25.7

125 11.9 9.8 14.6

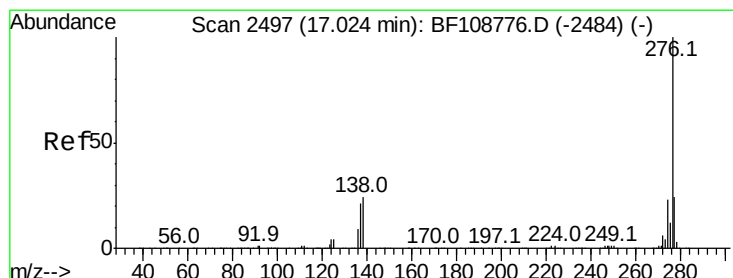
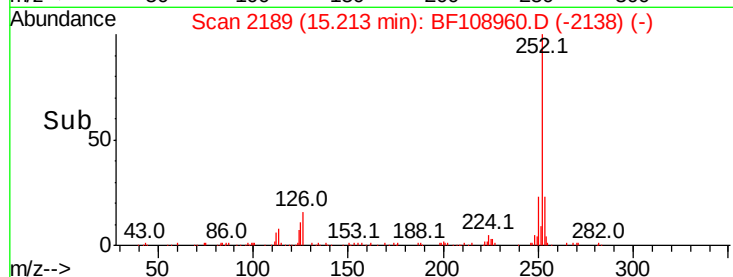
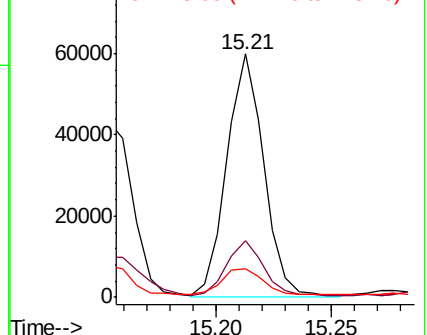


Abundance

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

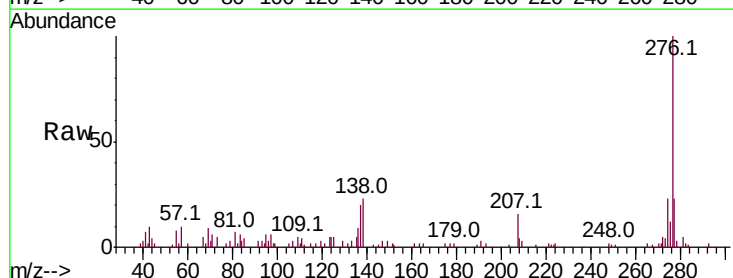
Tgt Ion:276 Resp: 47713

Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	22.7	21.8	32.8

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

