

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
 Data File : BF108961.D
 Acq On : 12 Sep 2018 20:20
 Operator : JU/SJ
 Sample : J4838-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

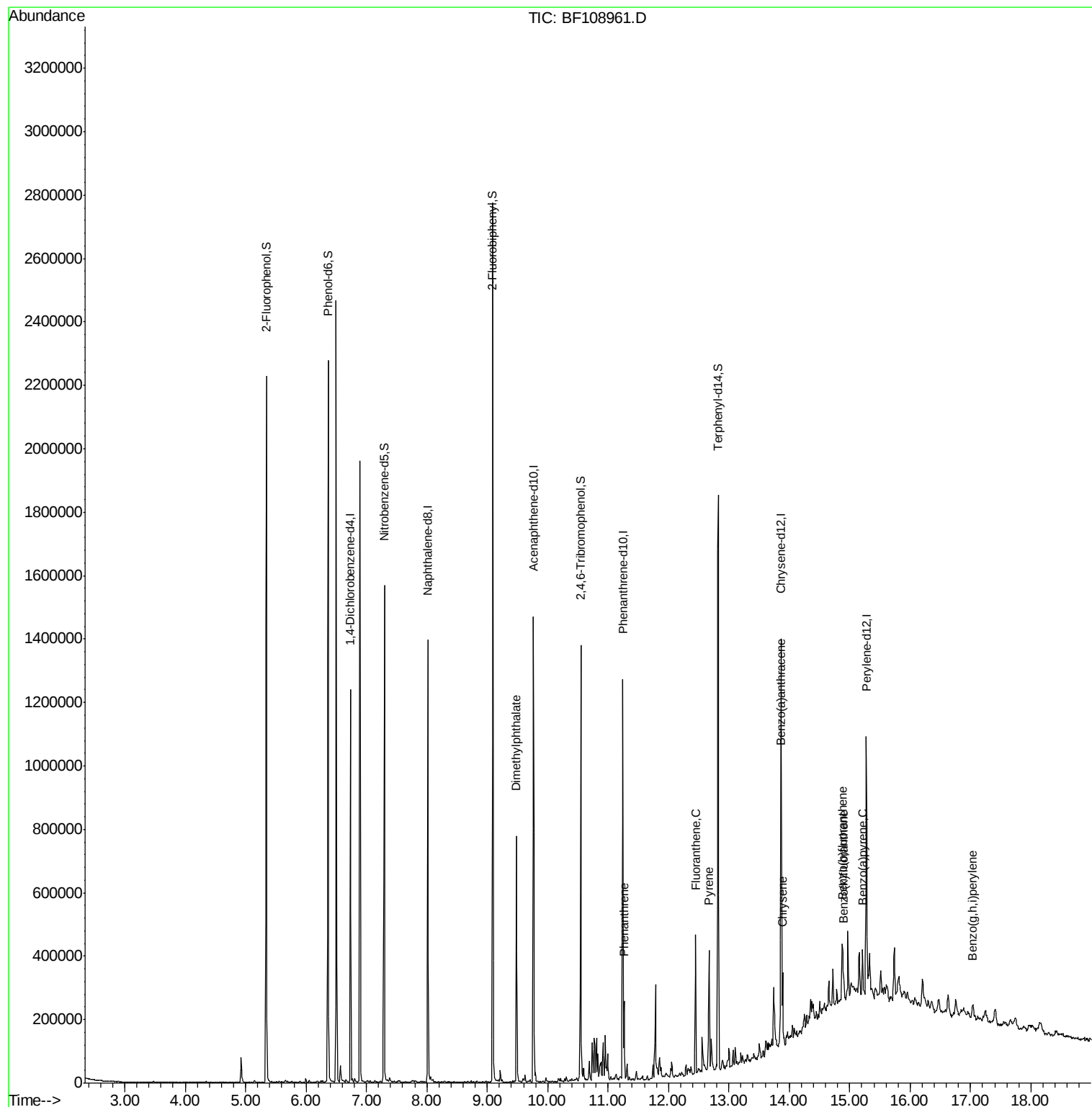
Quant Time: Sep 13 11:26:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

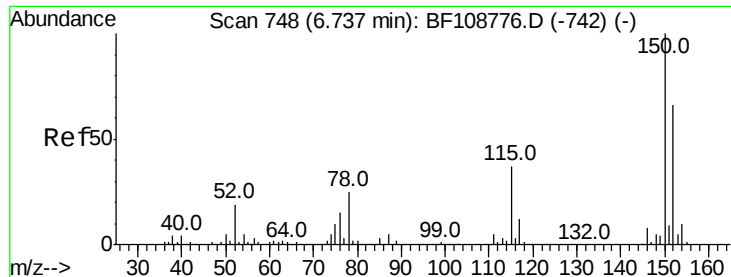
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	164290	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	594202	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	259403	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	405936	20.00	ng	0.00
75) Chrysene-d12	13.87	240	380586	20.00	ng	0.00
86) Perylene-d12	15.28	264	362319	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	640753	64.61	ng	0.00
7) Phenol-d6	6.37	99	819169	64.20	ng	0.00
23) Nitrobenzene-d5	7.30	82	516963	54.45	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	161042	65.03	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	835486	54.95	ng	0.00
78) Terphenyl-d14	12.82	244	600537	36.80	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	287262	15.833	ng	100
70) Phenanthrene	11.27	178	87568	4.517	ng	98
74) Fluoranthene	12.45	202	157948	8.229	ng	95
77) Pyrene	12.67	202	146241	4.994	ng	98
80) Benzo(a)anthracene	13.85	228	77171	3.163	ng	96
82) Chrysene	13.89	228	83511	3.536	ng	97
87) Benzo(b)fluoranthene	14.88	252	99785m	5.065	ng	
88) Benzo(k)fluoranthene	14.90	252	41343m	2.279	ng	
89) Benzo(a)pyrene	15.21	252	65440	3.681	ng	96
91) Benzo(g,h,i)perylene	17.04	276	39067	2.491	ng	# 90

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

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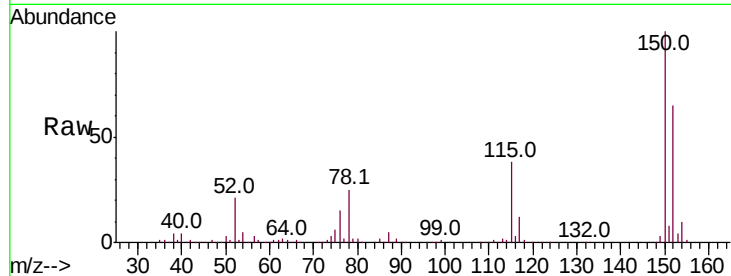




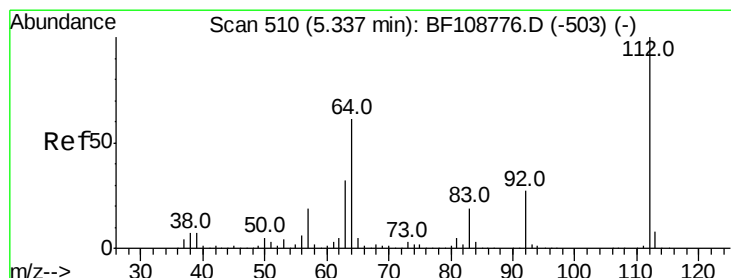
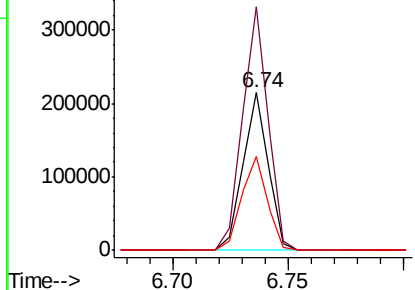
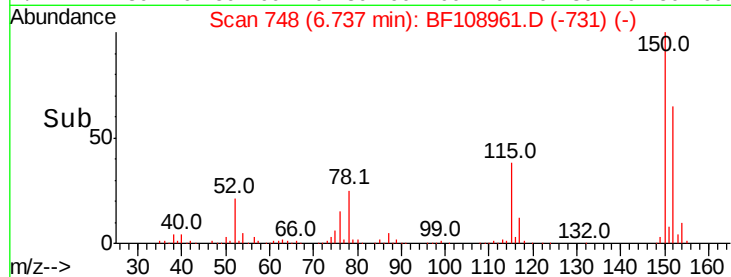
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	59.2	50.1	75.1



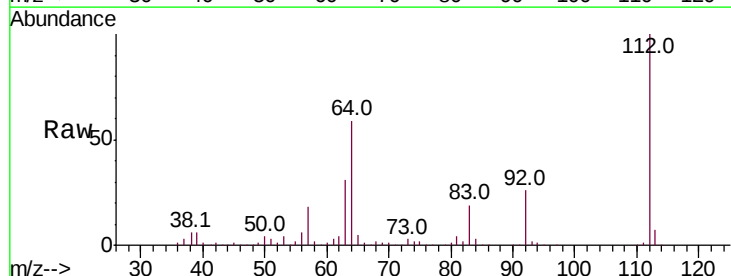
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



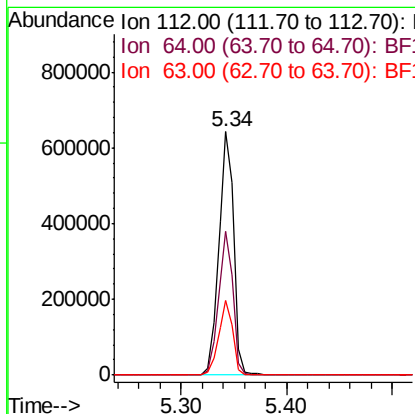
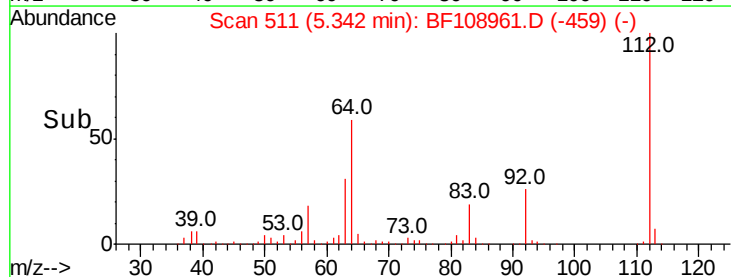
#5

2-Fluorophenol
Concen: 64.612 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	30.9	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: 64.200 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

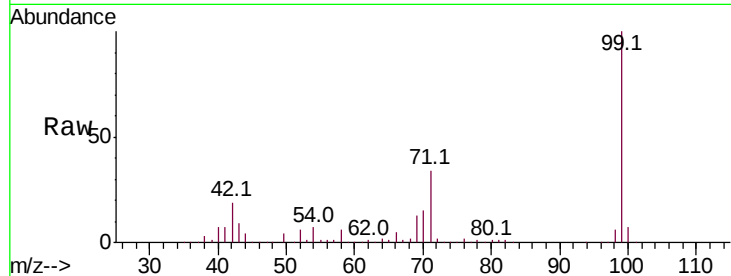
Tot Ion: 99 Resp: 819169

Ion Ratio Lower Upper

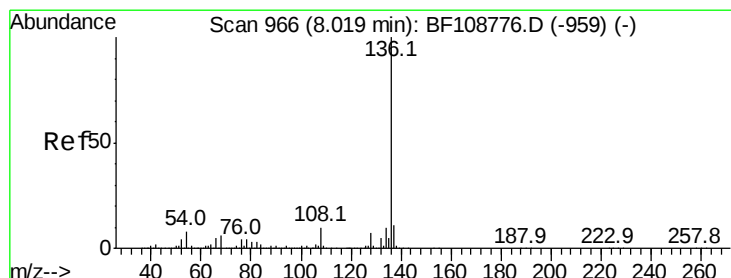
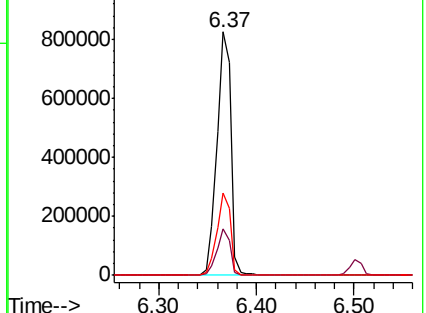
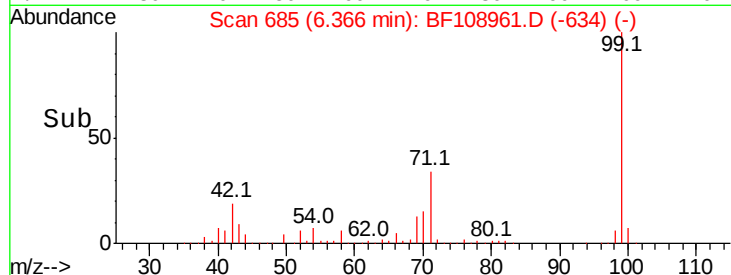
99 100

42 19.0 14.5 21.7

71 33.9 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: BF108961.D

Acq: 12 Sep 2018 20:20

Tgt Ion: 136 Resp: 594202

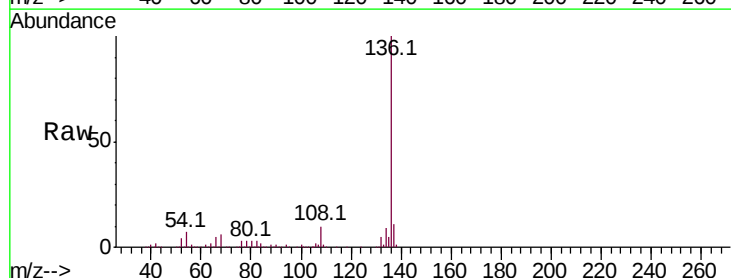
Ion Ratio Lower Upper

136 100

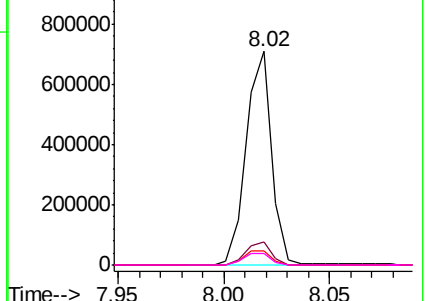
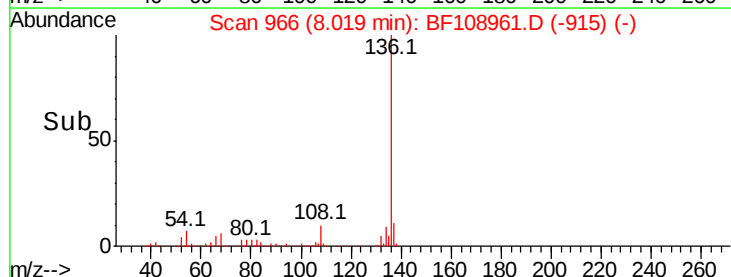
137 10.6 8.9 13.3

54 6.7 6.6 9.8

68 5.7 5.0 7.4



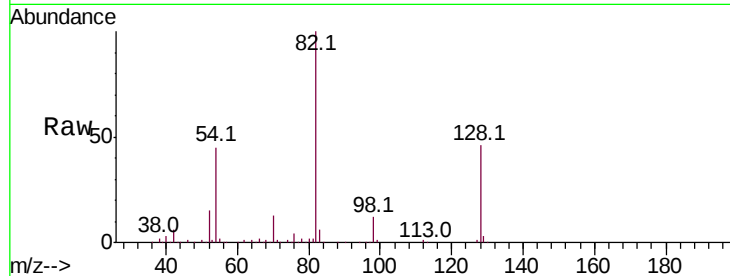
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



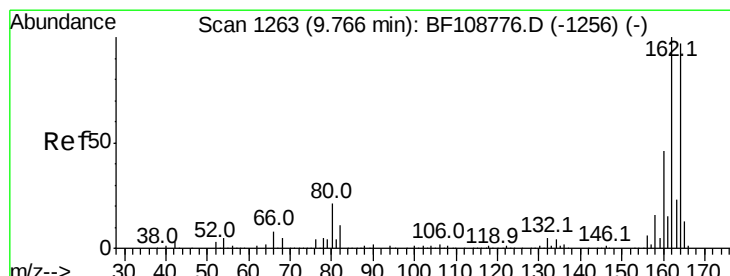
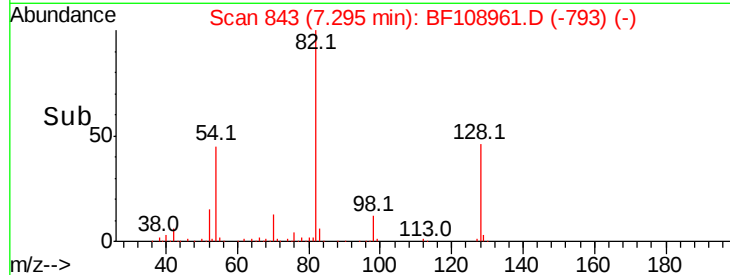
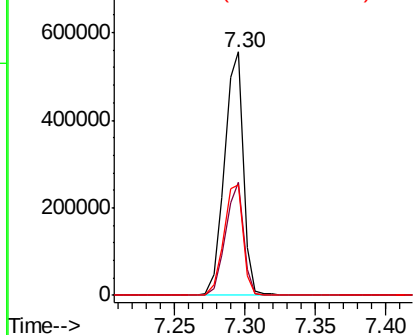


#23
Nitrobenzene-d5
Concen: 54.446 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	45.5	41.4	62.2

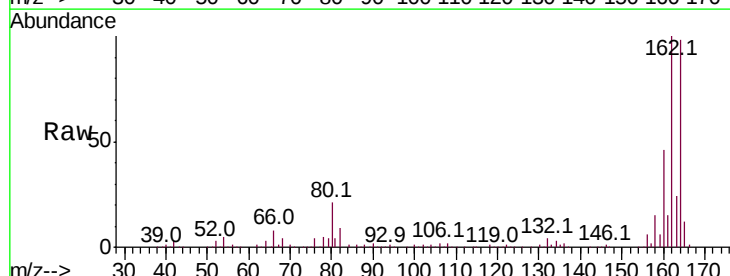


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

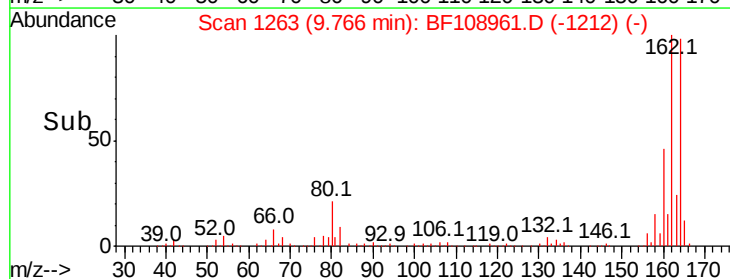
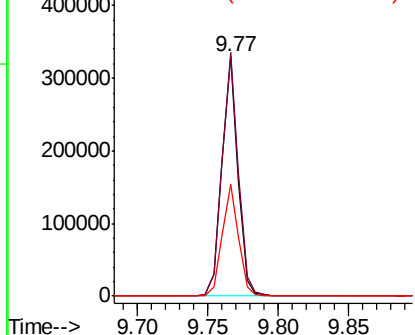


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	46.5	38.3	57.5



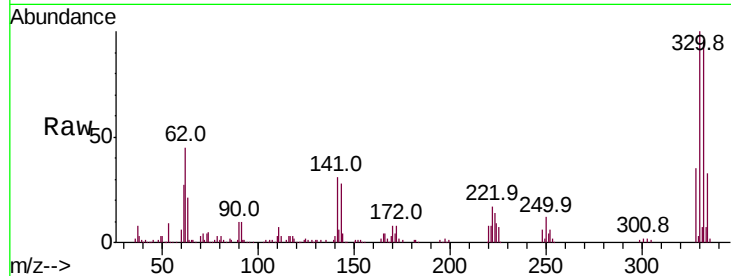
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



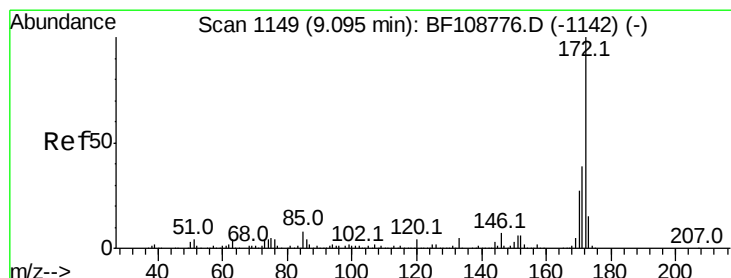
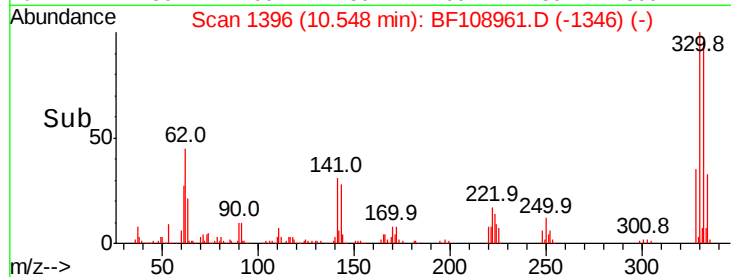
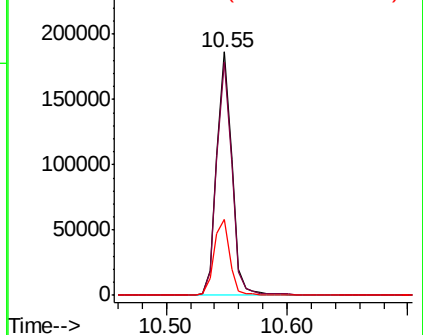


#41
 2,4,6-Tribromophenol
 Concen: 65.031 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	32.4	29.9	44.9

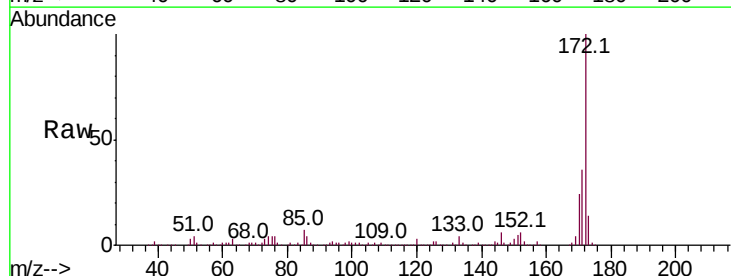


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

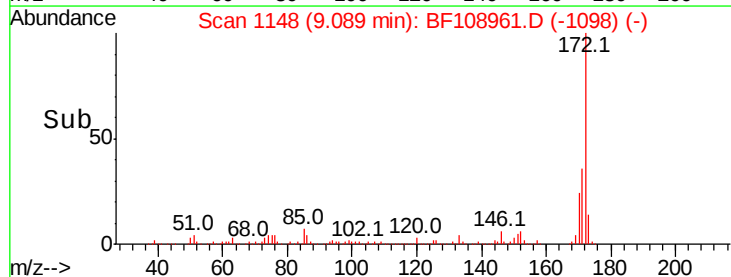
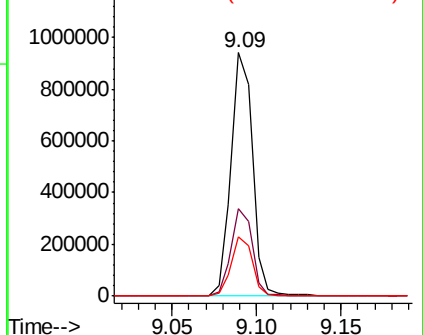


#44
 2-Fluorobiphenyl
 Concen: 54.946 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.3	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: 15.833 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

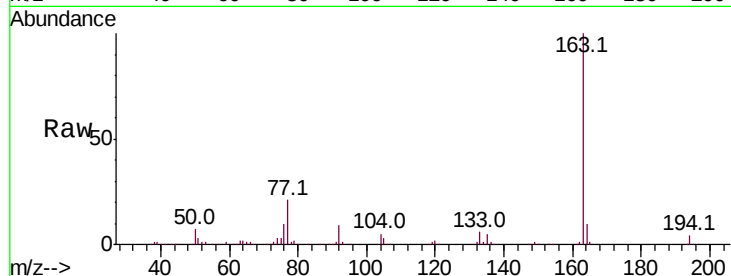
Tot Ion:163 Resp: 287262

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

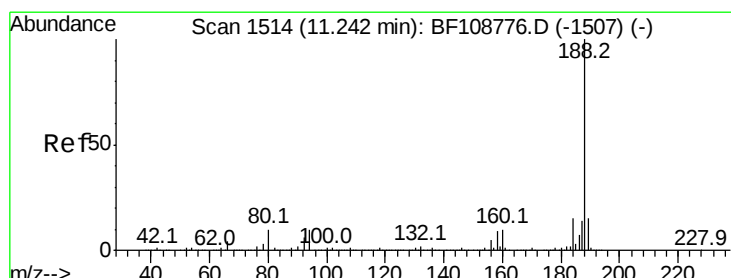
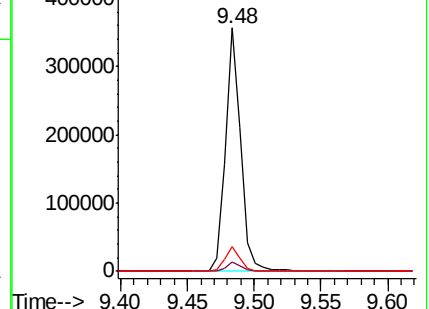
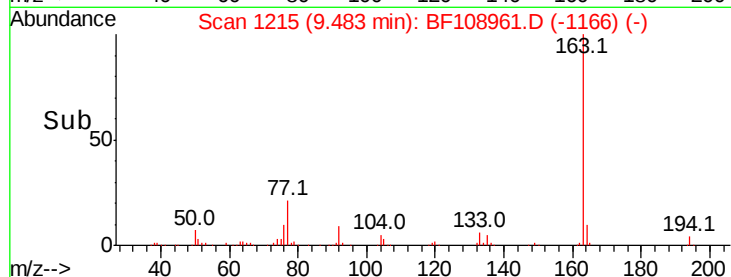
164 10.3 8.2 12.2



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: BF108961.D

Acq: 12 Sep 2018 20:20

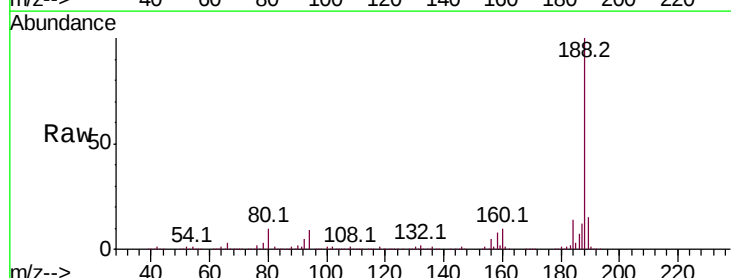
Tgt Ion:188 Resp: 405936

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

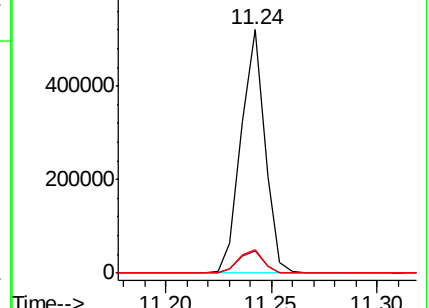
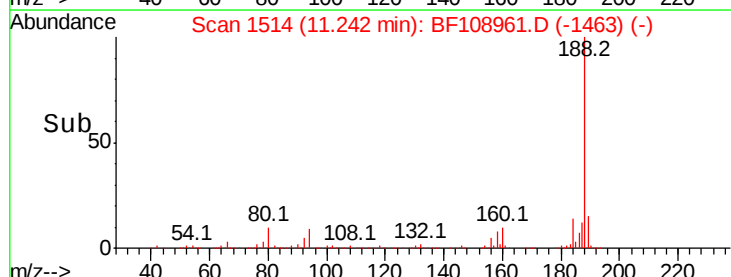
80 9.6 9.2 13.8

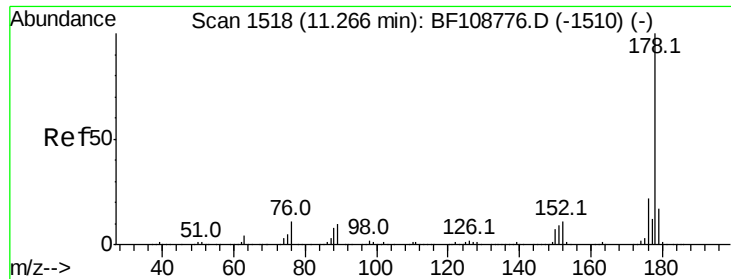


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

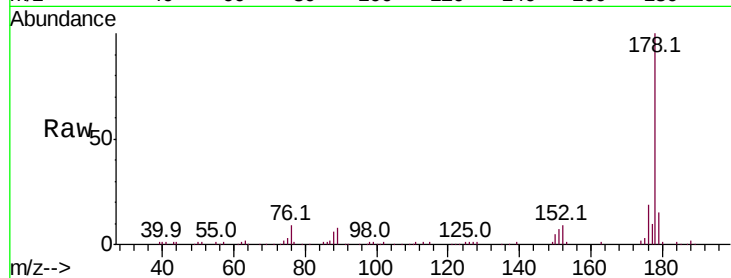
Ion 80.00 (79.70 to 80.70): BF1





#70
Phenanthrene
Concen: 4.517 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6

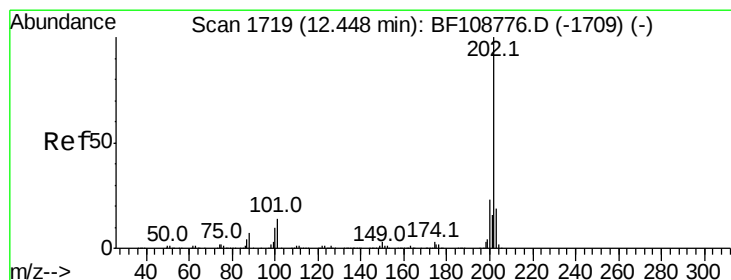
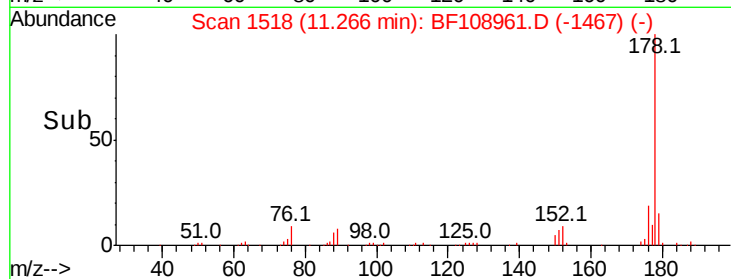
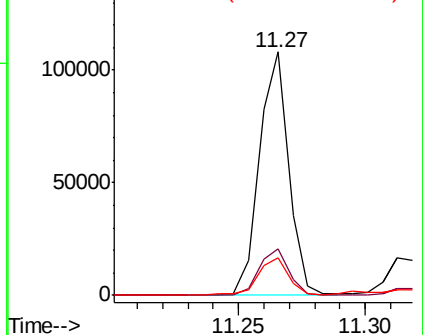


Abundance

Ion 178.00 (177.70 to 178.70): E

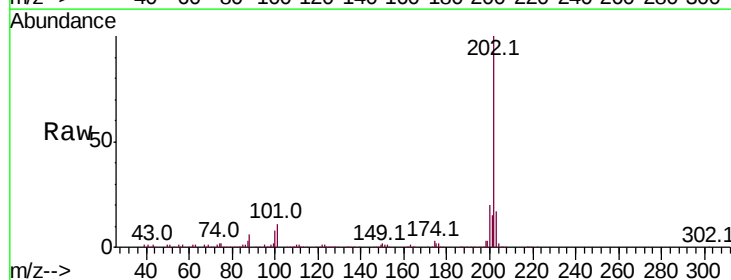
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 8.229 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	16.8	0.0	38.1

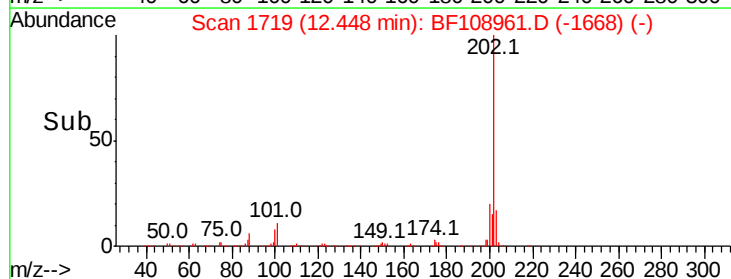
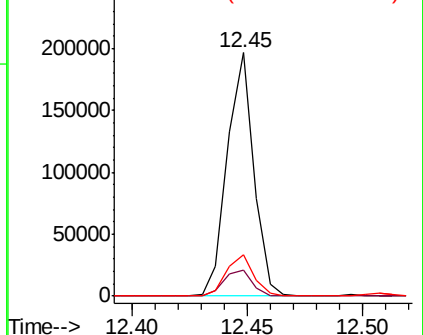


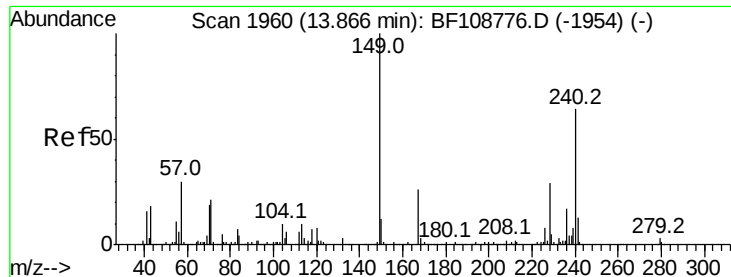
Abundance

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: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

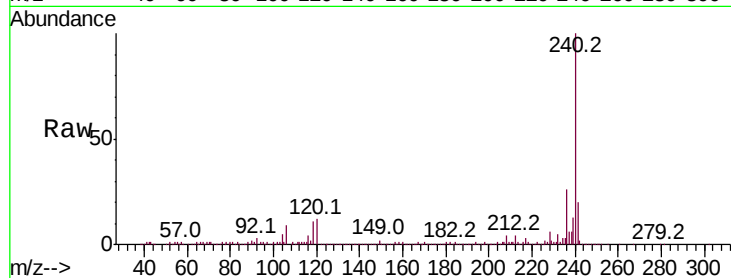
Tot Ion:240 Resp: 380586

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

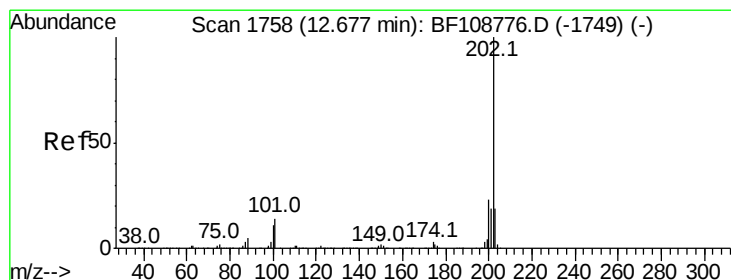
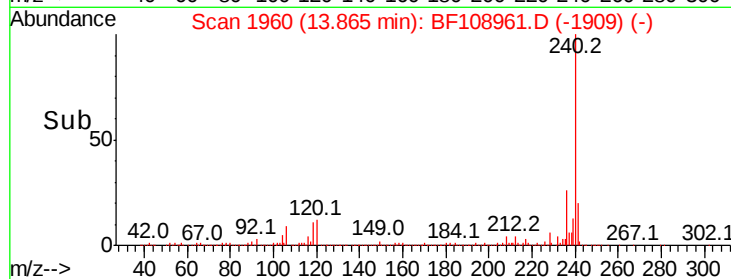
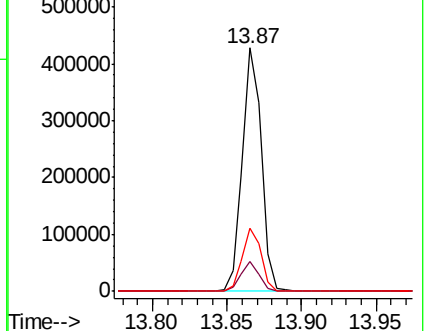
236 25.9 20.7 31.1



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: 4.994 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

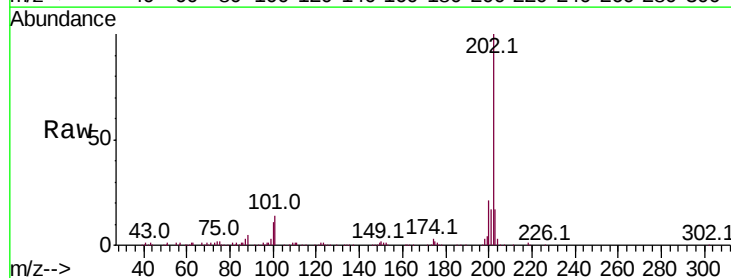
Tgt Ion:202 Resp: 146241

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

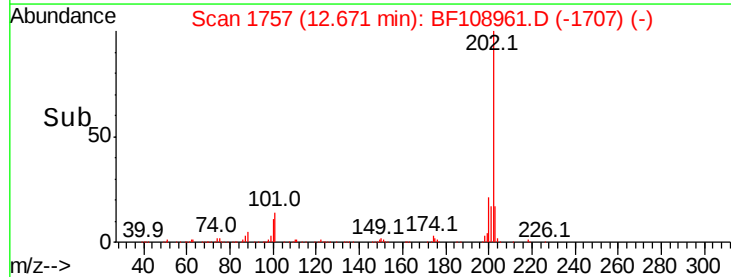
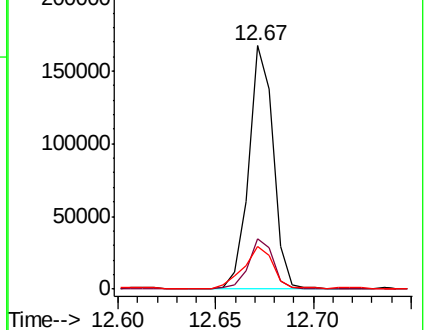
203 17.3 14.3 21.5

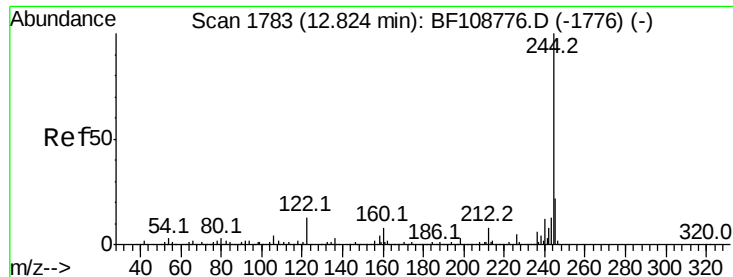


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

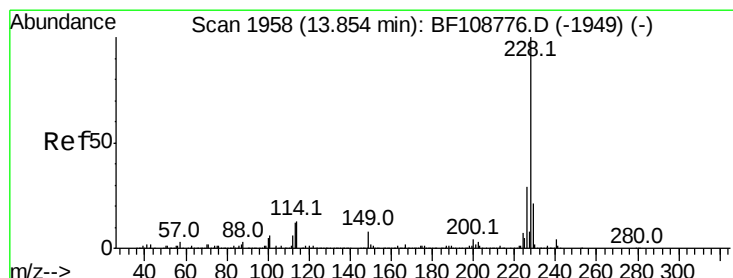
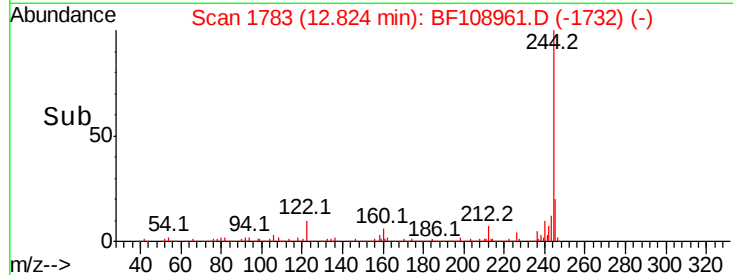
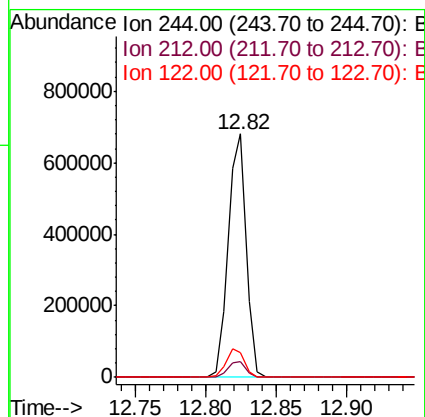
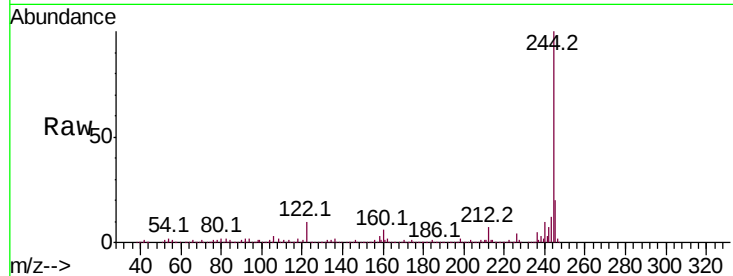
Ion 203.00 (202.70 to 203.70): E





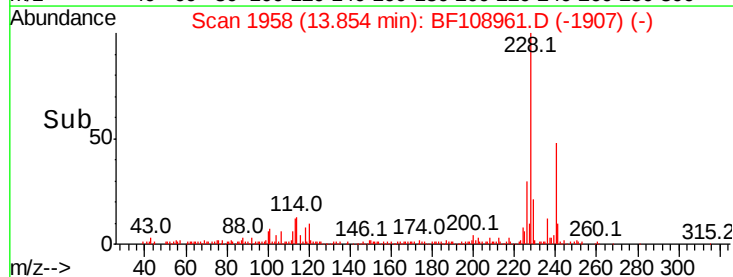
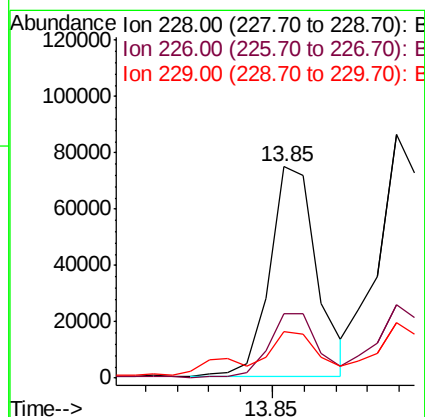
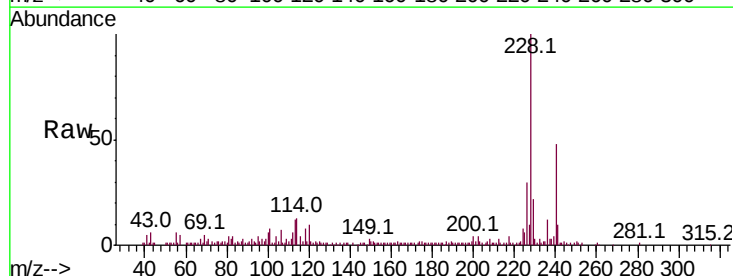
#78
 Terphenyl-d14
 Concen: 36.796 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

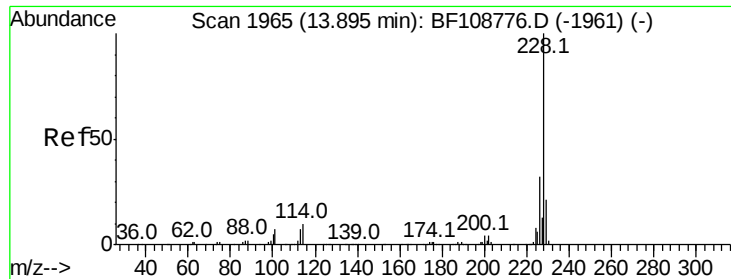
Tot Ion:244	Resp:	600537
Ion Ratio	Lower	Upper
244	100	
212	6.6	5.4 8.0
122	10.4	11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.163 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: BF108961.D
 Acq: 12 Sep 2018 20:20

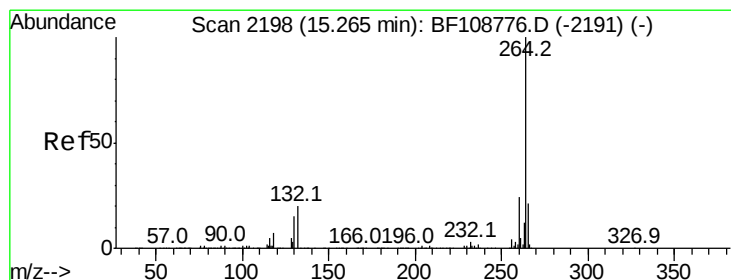
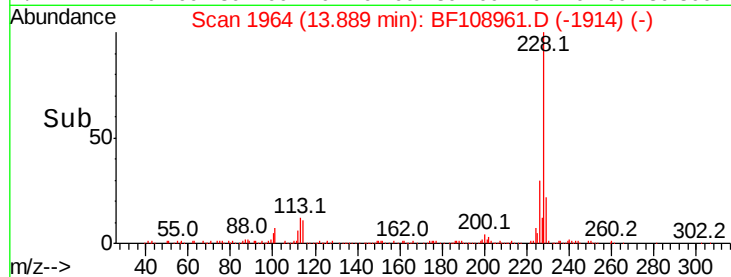
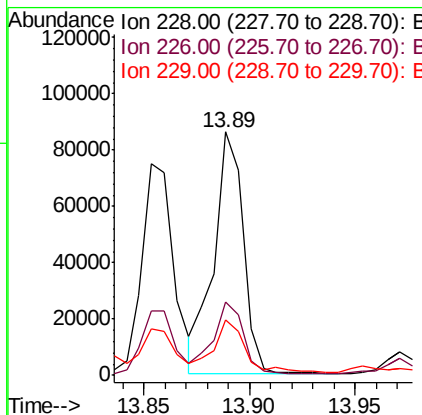
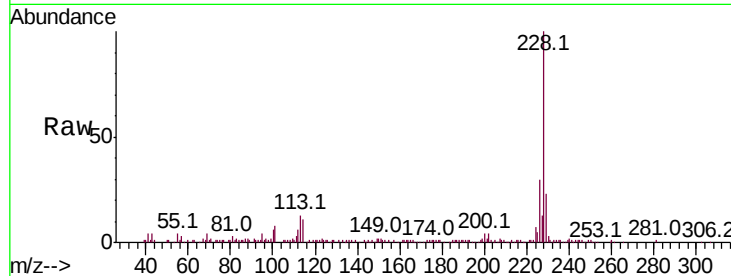
Tgt Ion:228	Resp:	77171
Ion Ratio	Lower	Upper
228	100	
226	30.2	22.6 33.8
229	22.1	15.8 23.6





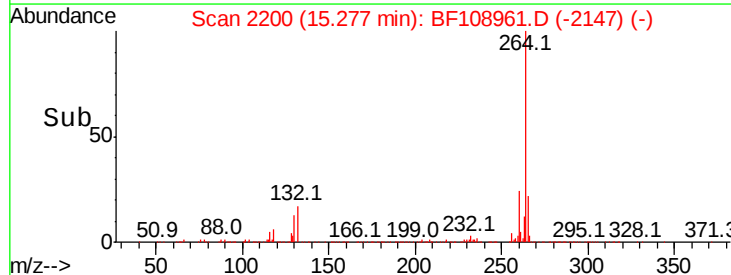
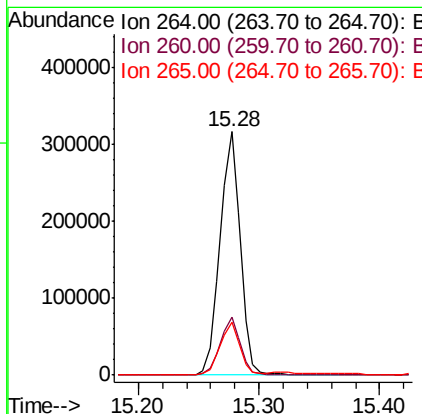
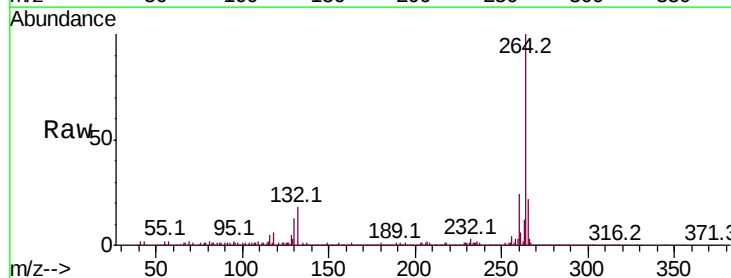
#82
Chrysene
Concen: 3.536 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

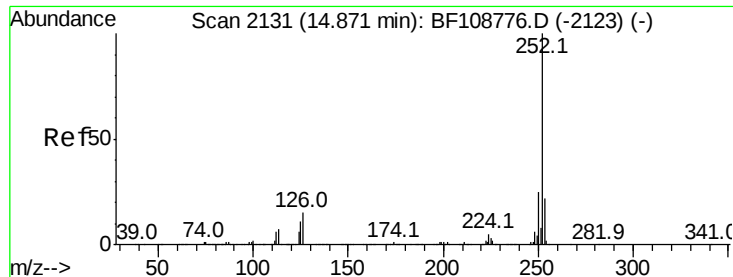
Tot	Ion:228	Resp:	83511
Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.6	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt	Ion:264	Resp:	362319
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.065 ng m

RT: 14.88 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

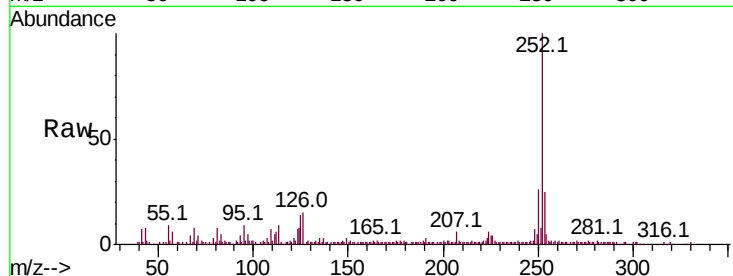
Tot Ion:252 Resp: 99785

Ion Ratio Lower Upper

252 100

253 24.8 17.0 25.6

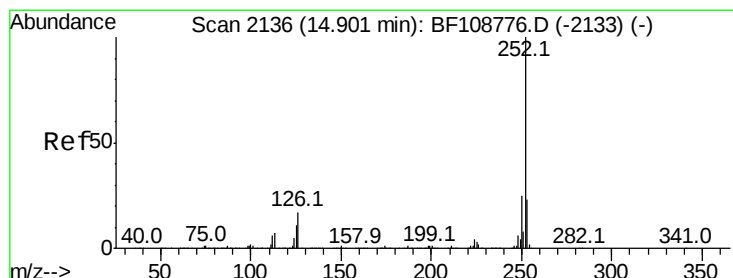
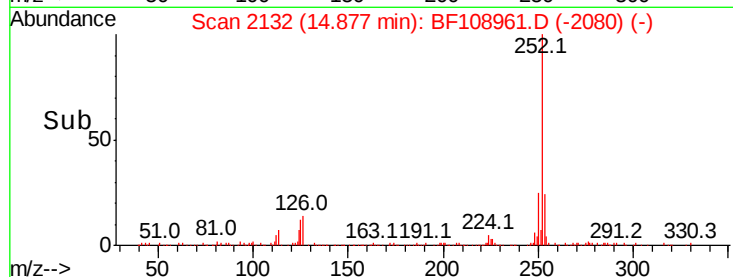
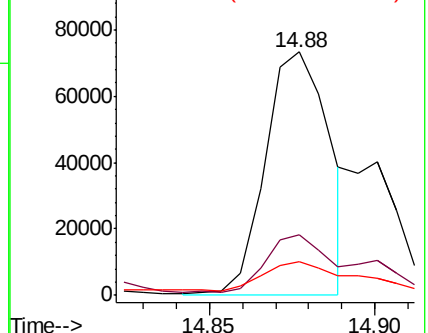
125 13.9 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 2.279 ng m

RT: 14.90 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF108961.D

Acq: 12 Sep 2018 20:20

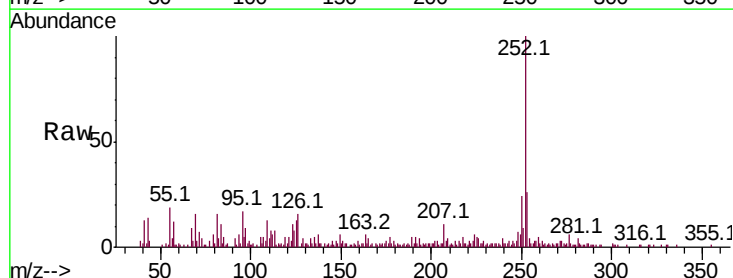
Tgt Ion:252 Resp: 41343

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

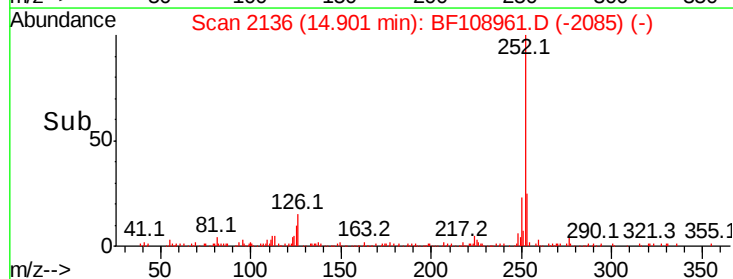
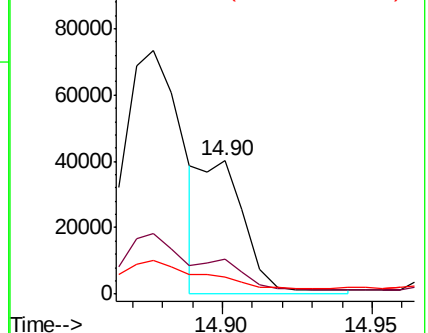
125 13.2 10.2 15.2

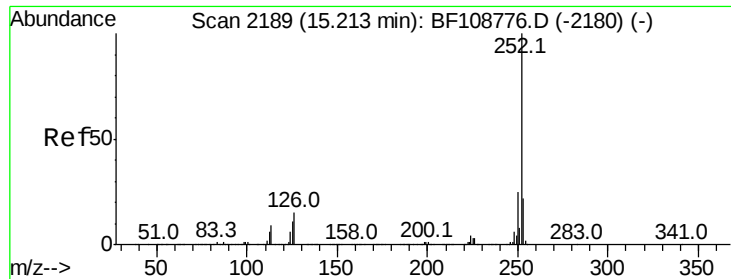


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

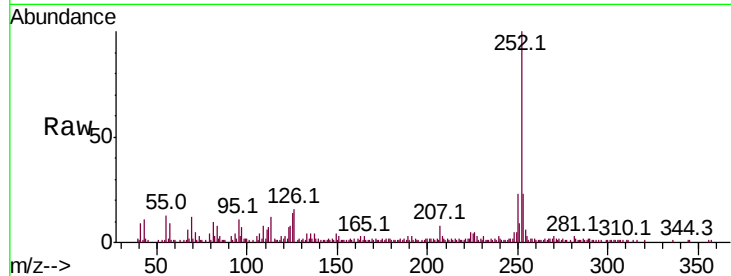
Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 3.681 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.7	9.8	14.6

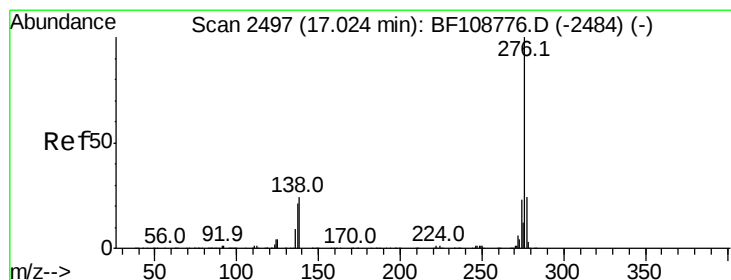
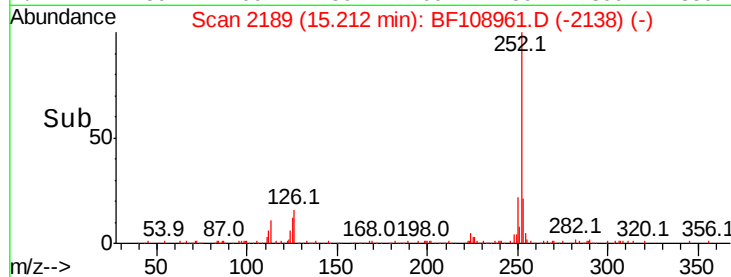
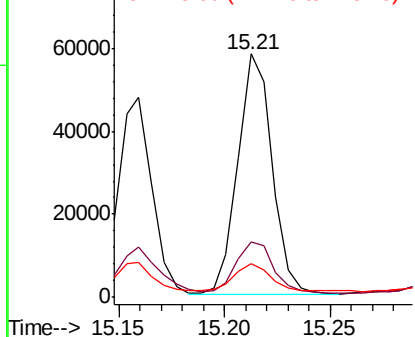


Abundance

Ion 252.00 (251.70 to 252.70): E

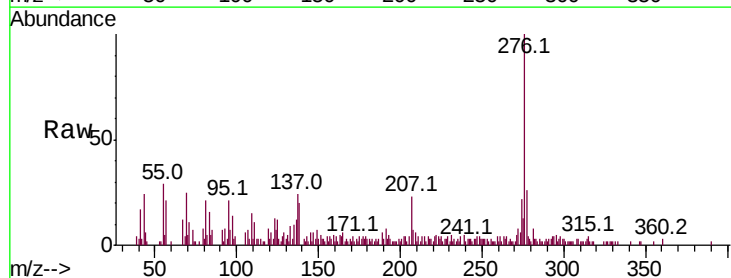
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.491 ng
RT: 17.04 min Scan# 2500
Delta R.T. 0.02 min
Lab File: BF108961.D
Acq: 12 Sep 2018 20:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	20.2	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

