

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
 Data File : BF108955.D
 Acq On : 12 Sep 2018 17:39
 Operator : JU/SJ
 Sample : J4780-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

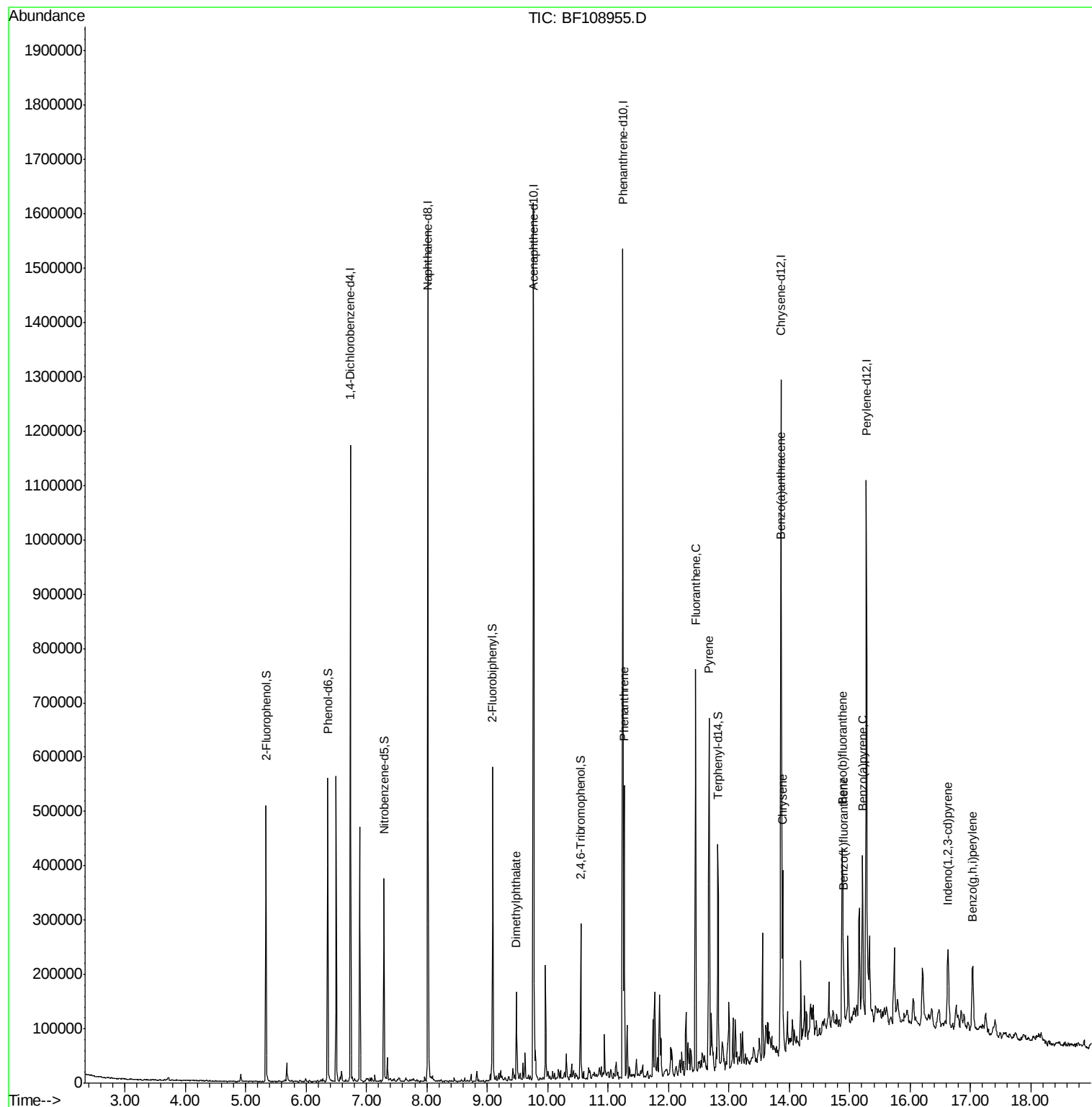
Quant Time: Sep 13 02:18:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

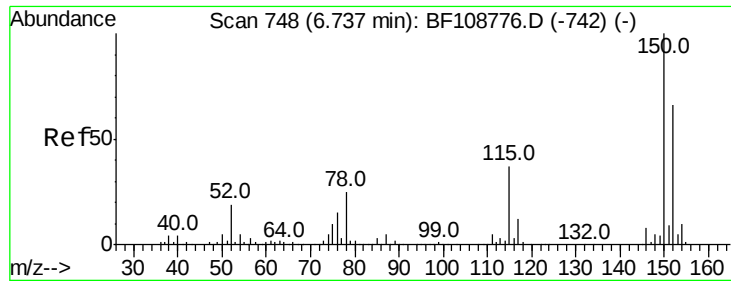
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	162133	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	632870	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	293654	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	494235	20.00	ng	0.00
75) Chrysene-d12	13.87	240	353157	20.00	ng	0.00
86) Perylene-d12	15.28	264	430959	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	134519	13.75	ng	0.00
7) Phenol-d6	6.36	99	174143	13.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	104994	10.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	36317	12.95	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	167859	9.75	ng	0.00
78) Terphenyl-d14	12.82	244	123139	8.13	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	62407	3.038	ng	99
70) Phenanthrene	11.27	178	179795	7.618	ng	98
74) Fluoranthene	12.45	202	281853	12.061	ng	96
77) Pyrene	12.67	202	261877	9.637	ng	99
80) Benzo(a)anthracene	13.85	228	122200	5.398	ng	97
82) Chrysene	13.89	228	122530	5.592	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	90300m	4.656	ng	
87) Benzo(b)fluoranthene	14.88	252	184781m	7.885	ng	
88) Benzo(k)fluoranthene	14.90	252	43424m	2.012	ng	
89) Benzo(a)pyrene	15.21	252	128465	6.076	ng	97
91) Benzo(g,h,i)perylene	17.04	276	88983	4.770	ng	93

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

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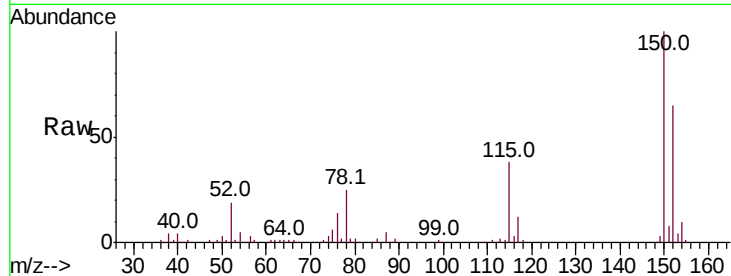




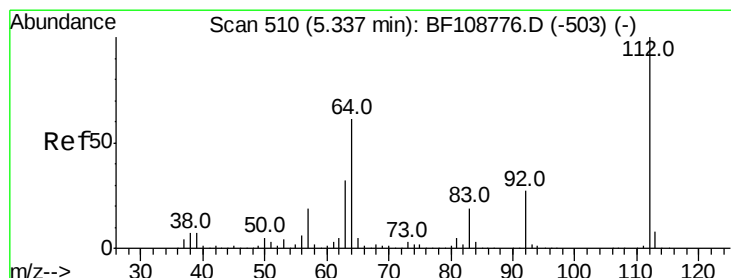
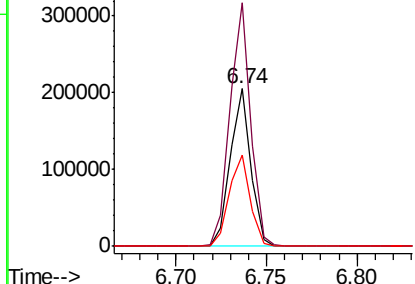
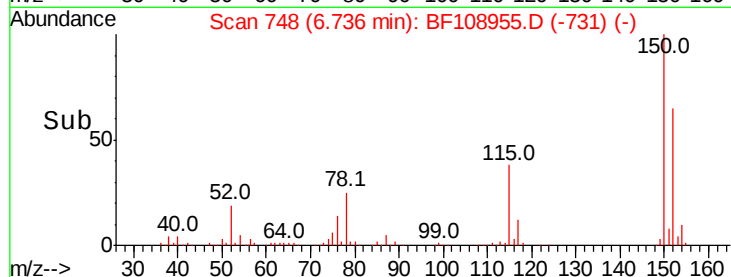
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	58.2	50.1	75.1



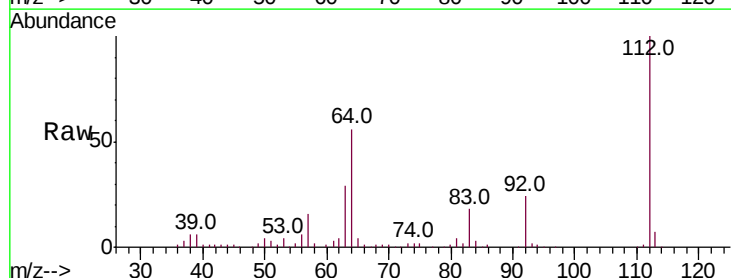
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



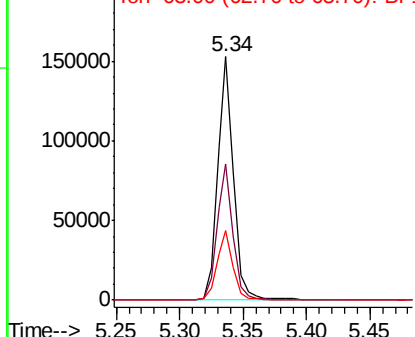
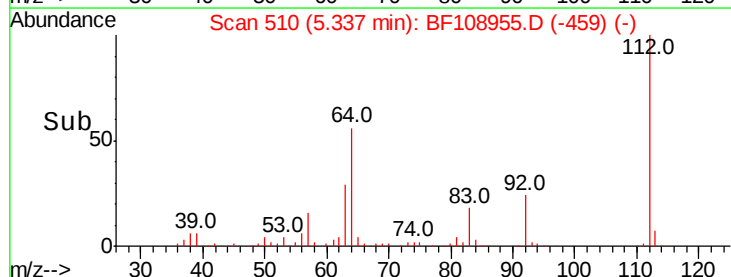
#5

2-Fluorophenol
Concen: 13.745 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	28.5	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: 13.830 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

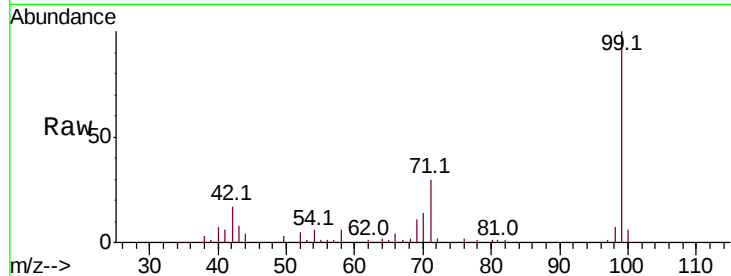
Tot Ion: 99 Resp: 174143

Ion Ratio Lower Upper

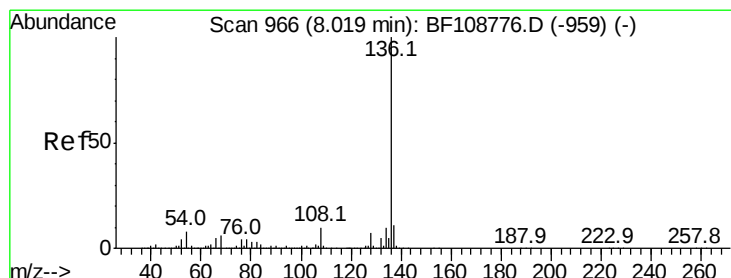
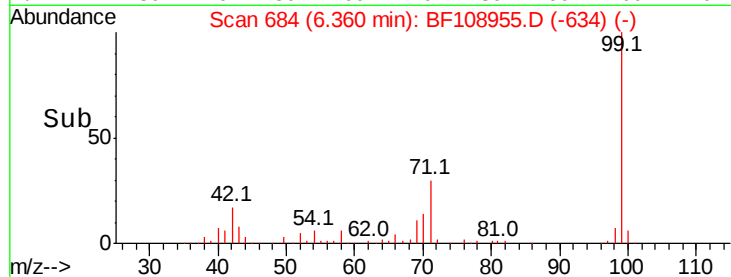
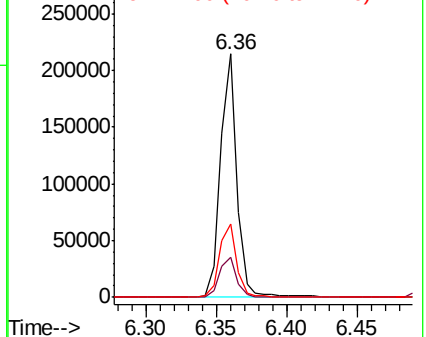
99 100

42 16.7 14.5 21.7

71 30.3 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: BF108955.D

Acq: 12 Sep 2018 17:39

Tgt Ion: 136 Resp: 632870

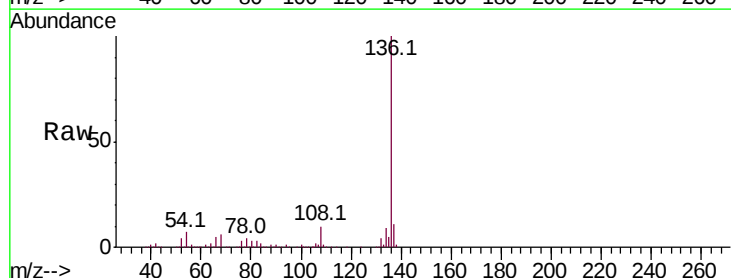
Ion Ratio Lower Upper

136 100

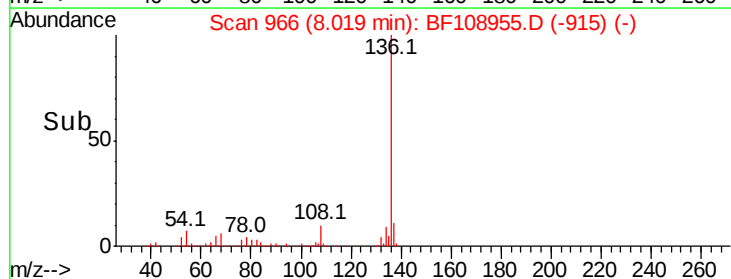
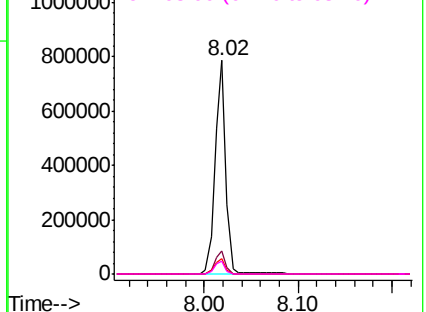
137 10.9 8.9 13.3

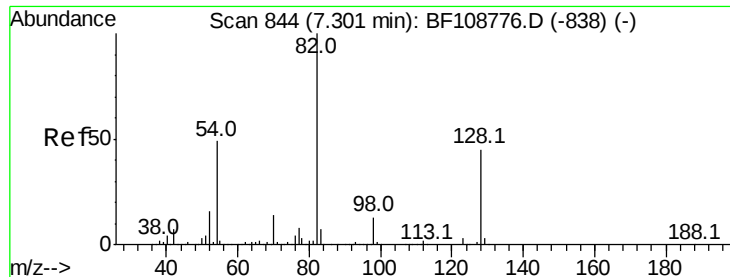
54 7.1 6.6 9.8

68 5.9 5.0 7.4



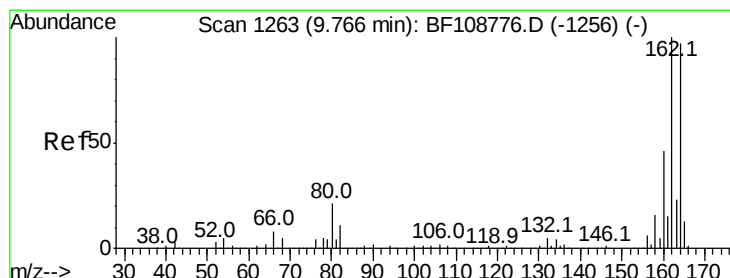
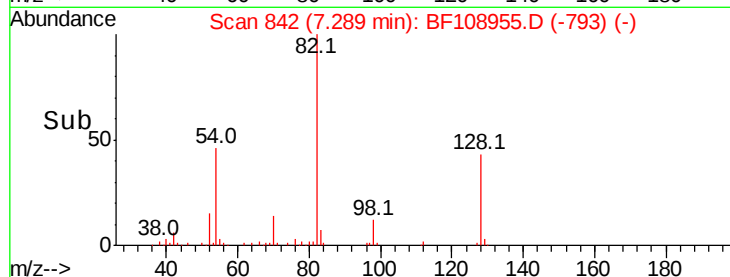
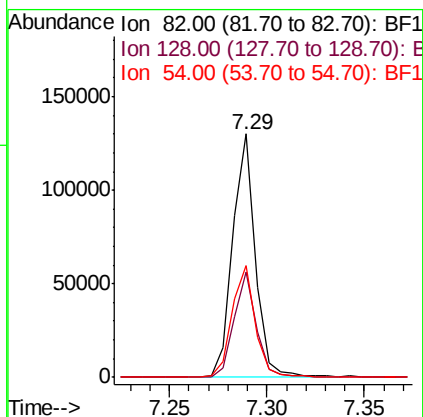
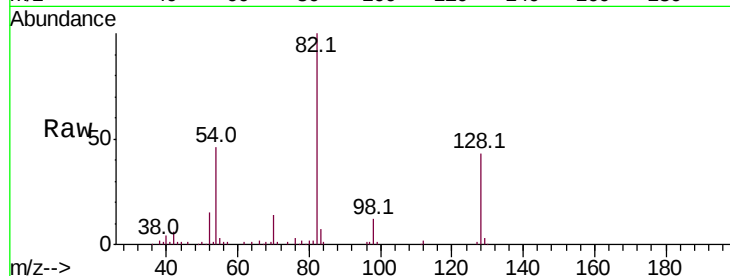
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





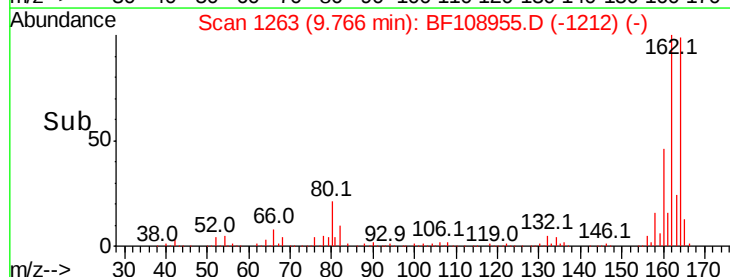
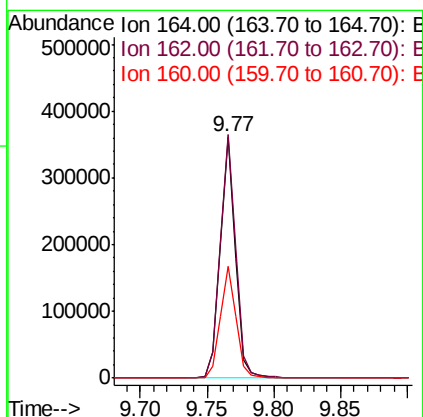
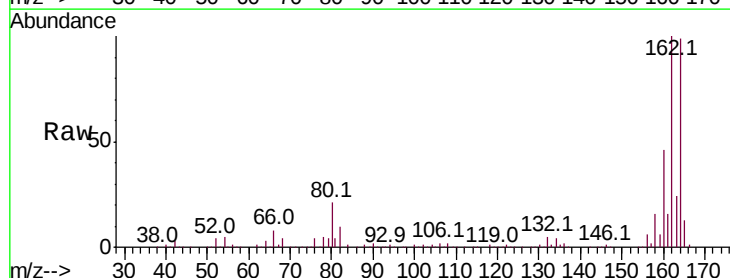
#23
 Nitrobenzene-d5
 Concen: 10.382 ng
 RT: 7.29 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	45.7	41.4	62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	86.1	129.1
160	46.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 12.955 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

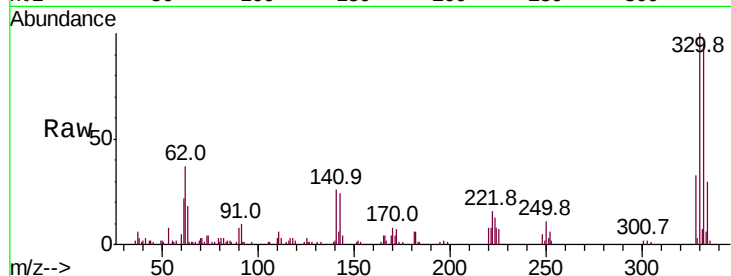
Tot Ion:330 Resp: 36317

Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	32.3	29.9	44.9

330 100

332 94.5 77.0 115.6

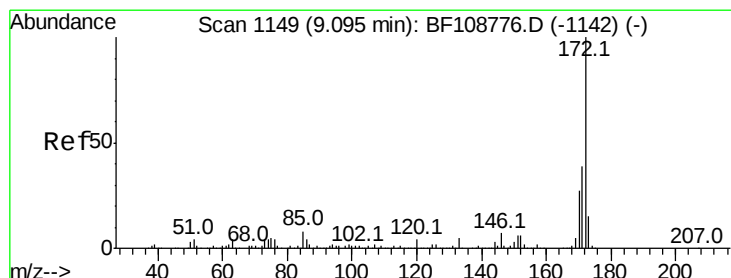
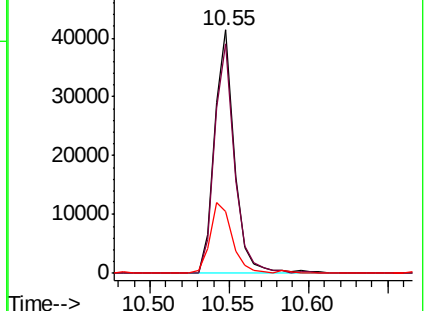
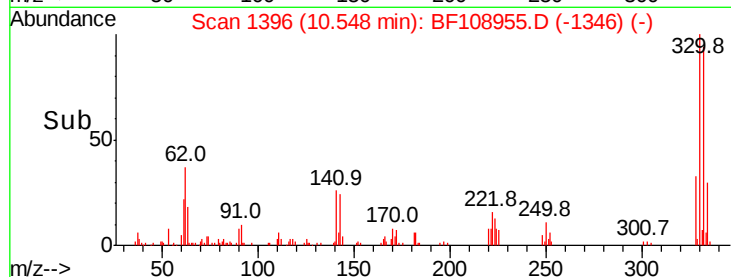
141 32.3 29.9 44.9



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: 9.752 ng

RT: 9.09 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

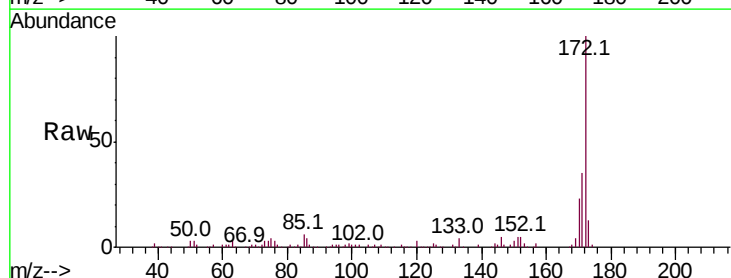
Tgt Ion:172 Resp: 167859

Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.8	19.6	29.4

172 100

171 34.8 29.7 44.5

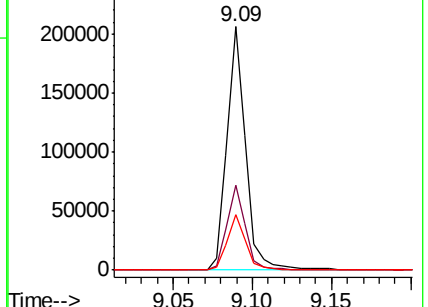
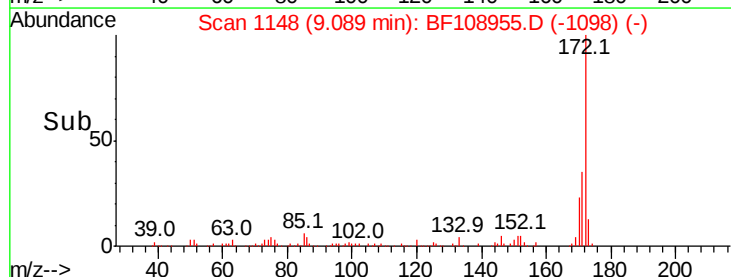
170 22.8 19.6 29.4

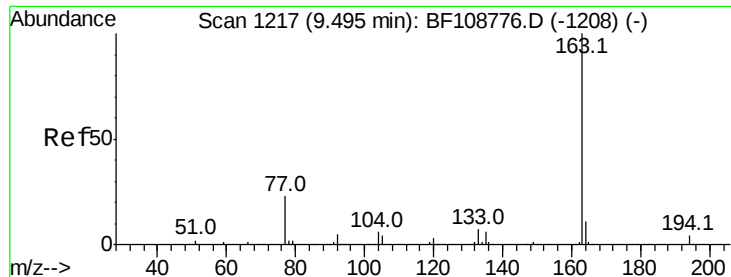


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.038 ng

RT: 9.48 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

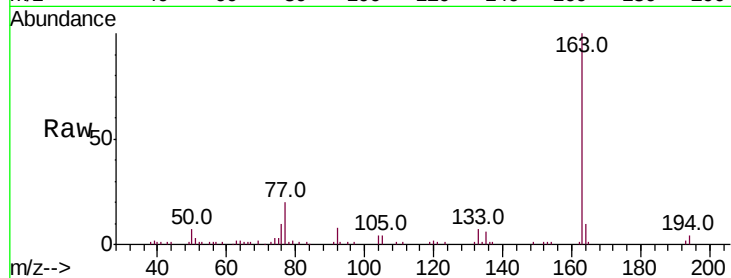
Tot Ion:163 Resp: 62407

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

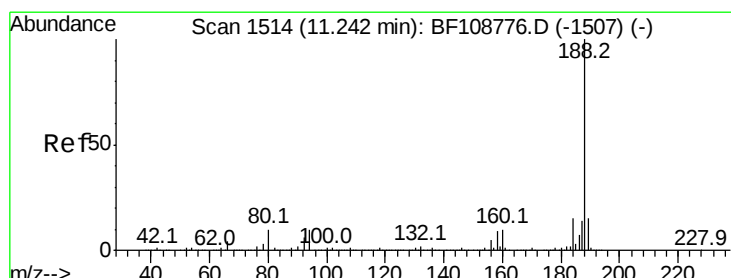
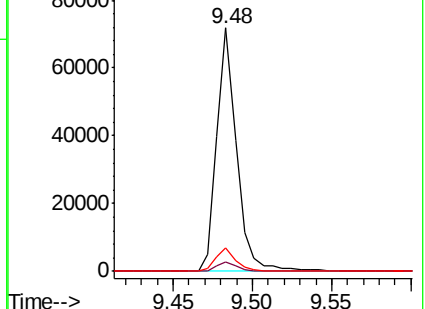
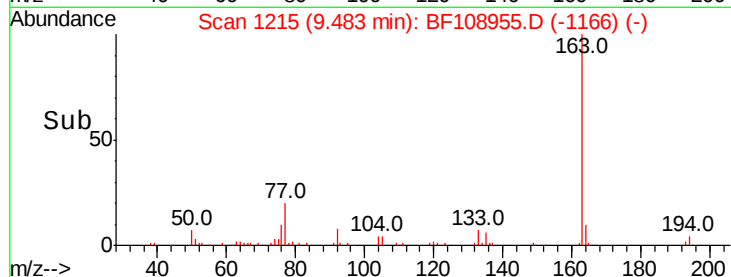
164 9.8 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1514

Delta R.T. -0.00 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

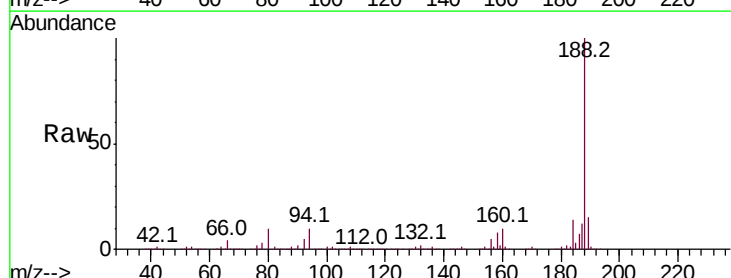
Tgt Ion:188 Resp: 494235

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

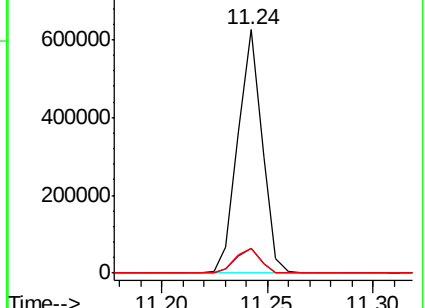
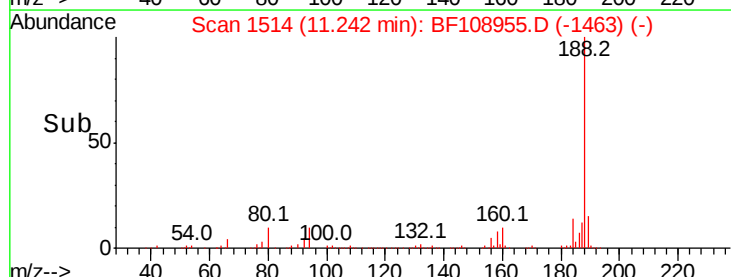
80 10.0 9.2 13.8

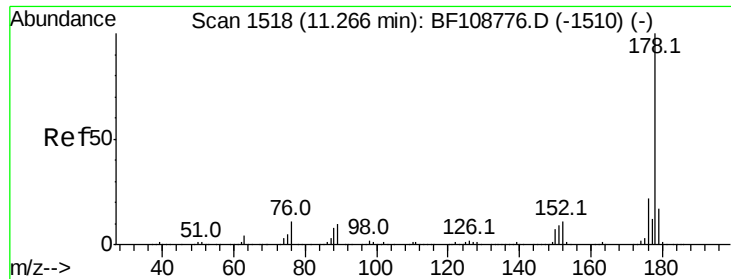


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

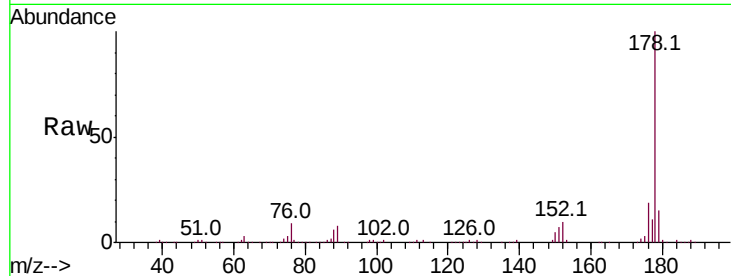
Ion 80.00 (79.70 to 80.70): BF1





#70
Phenanthrene
Concen: 7.618 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.1	13.0	19.6

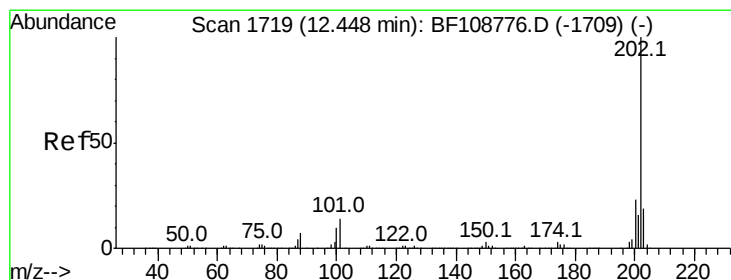
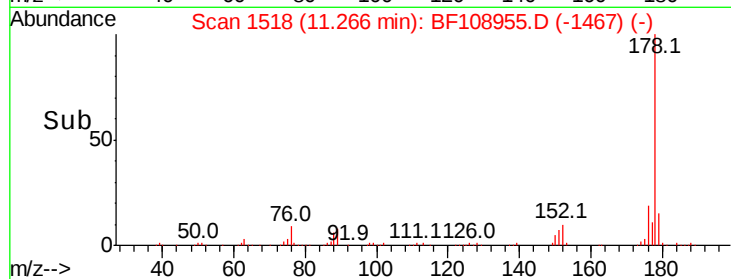
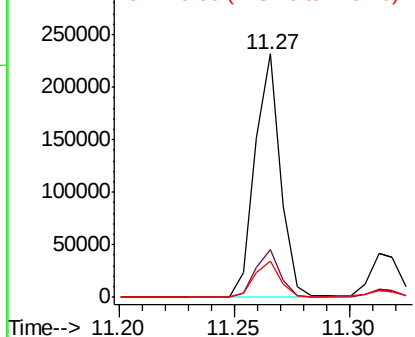


Abundance

Ion 178.00 (177.70 to 178.70): E

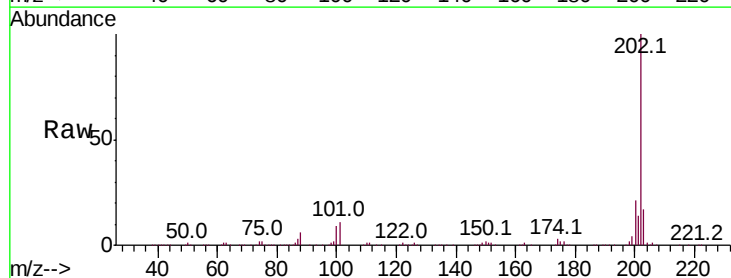
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 12.061 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.3	0.0	38.1

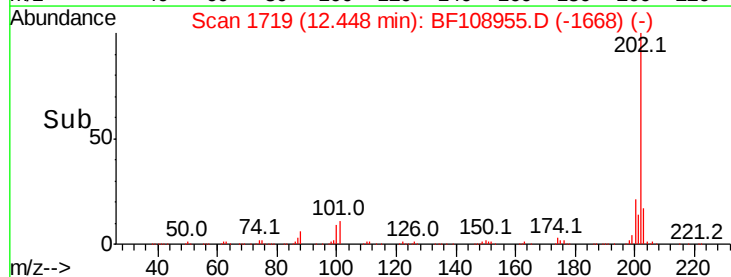
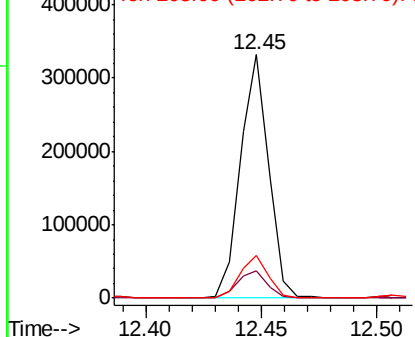


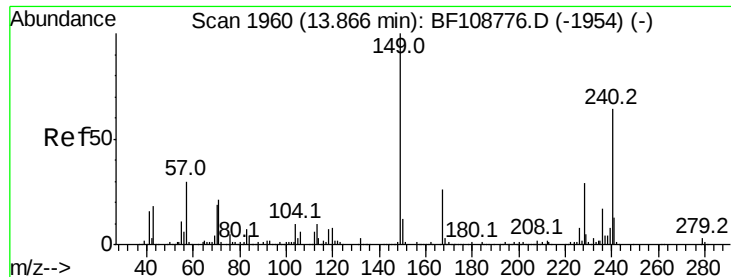
Abundance

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: 13.87 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

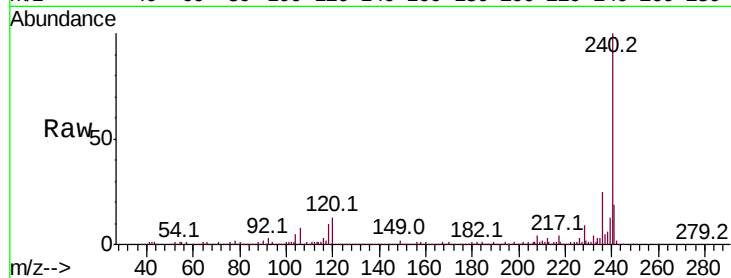
Tot Ion:240 Resp: 353157

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

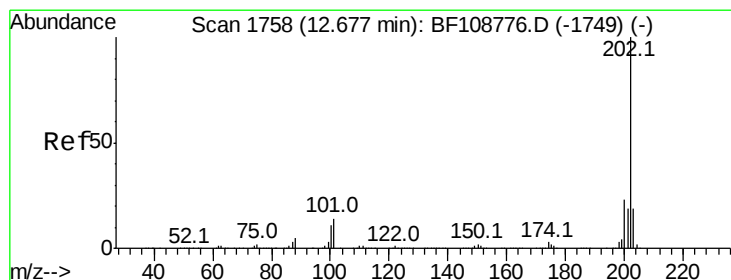
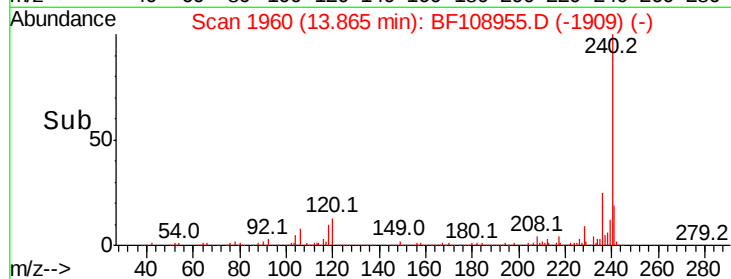
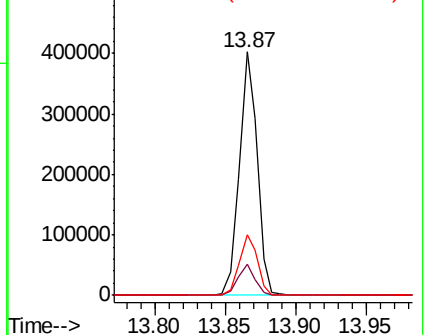
236 25.1 20.7 31.1



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: 9.637 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

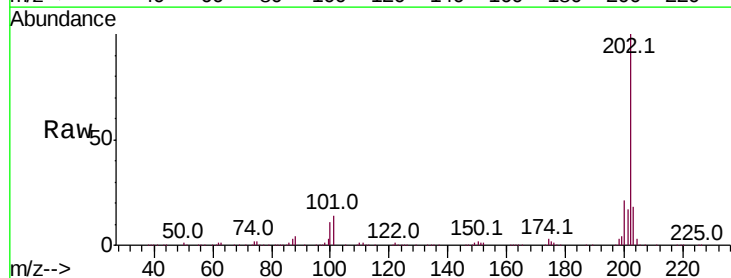
Tgt Ion:202 Resp: 261877

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

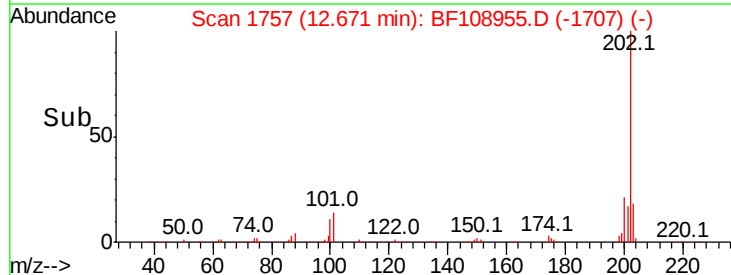
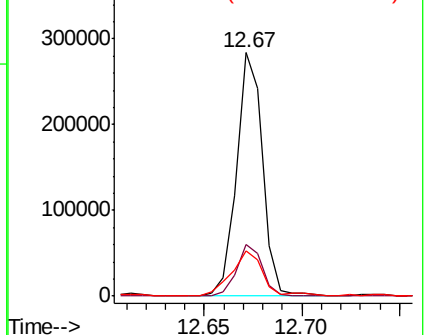
203 18.4 14.3 21.5

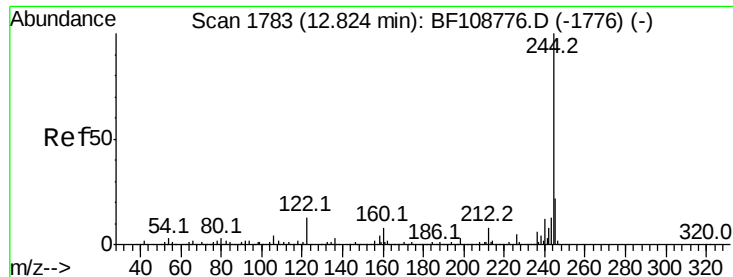


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.131 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

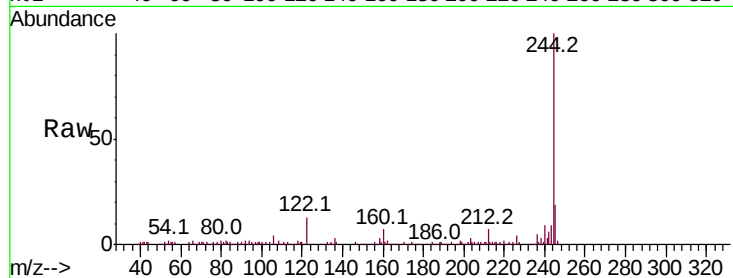
Tot Ion:244 Resp: 123139

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

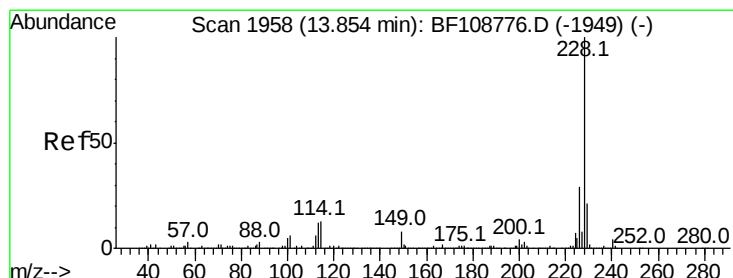
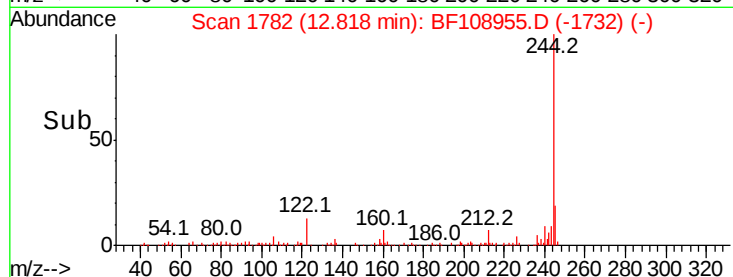
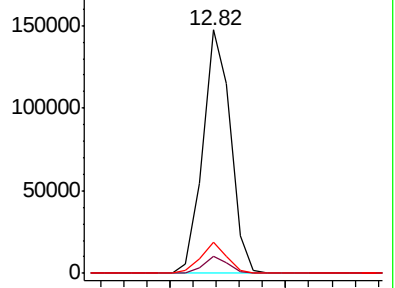
122 12.6 11.0 16.4



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: 5.398 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

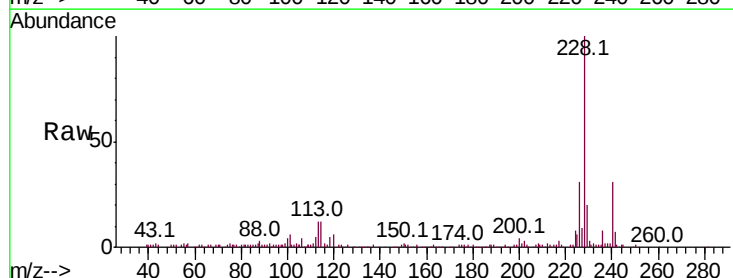
Tgt Ion:228 Resp: 122200

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

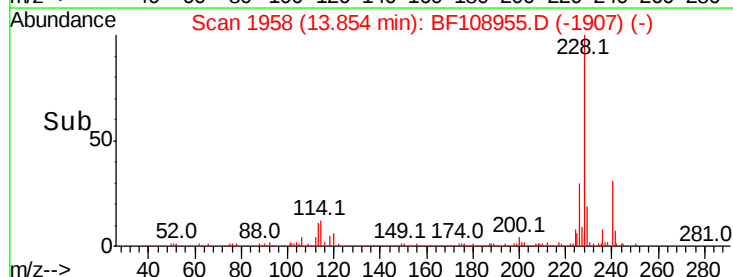
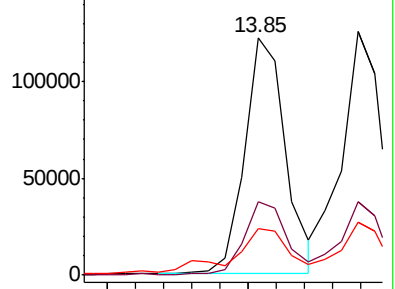
229 19.6 15.8 23.6

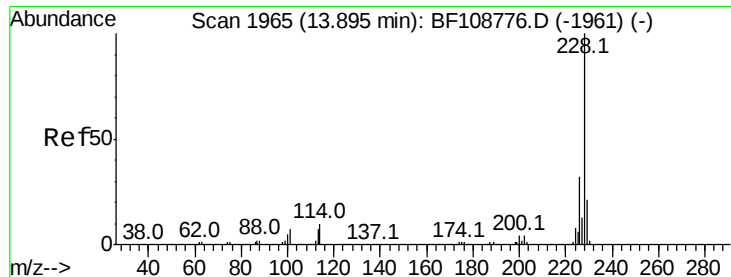


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.592 ng

RT: 13.89 min Scan# 1964

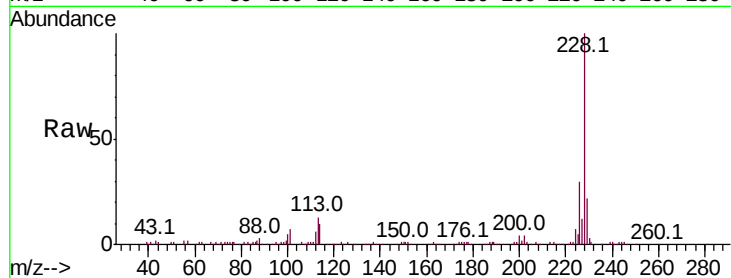
Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

Tot Ion:228 Resp: 122530

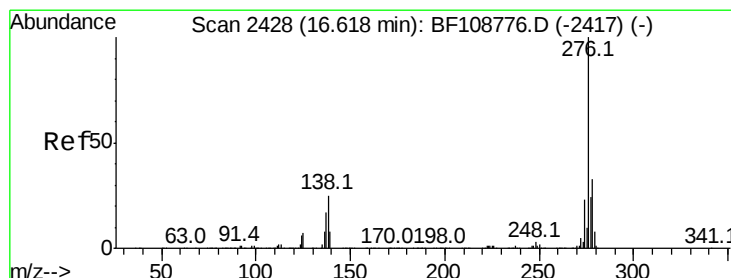
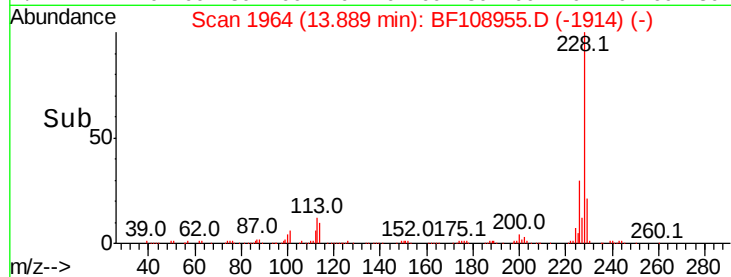
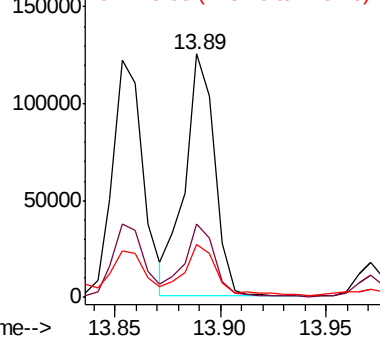
Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.8	16.2	24.4



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: 4.656 ng m

RT: 16.62 min Scan# 2429

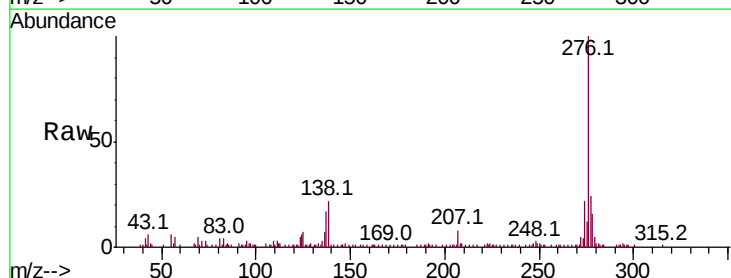
Delta R.T. 0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

Tgt Ion:276 Resp: 90300

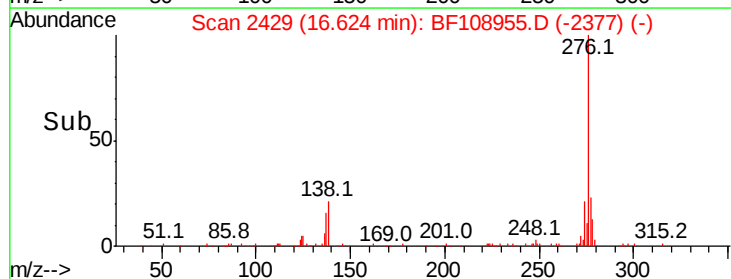
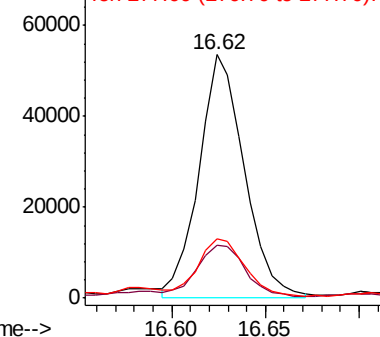
Ion	Ratio	Lower	Upper
276	100		
138	4.7	25.0	37.6#
277	4.5	20.1	30.1#

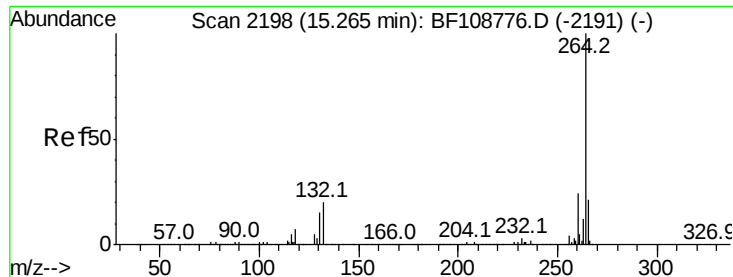


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

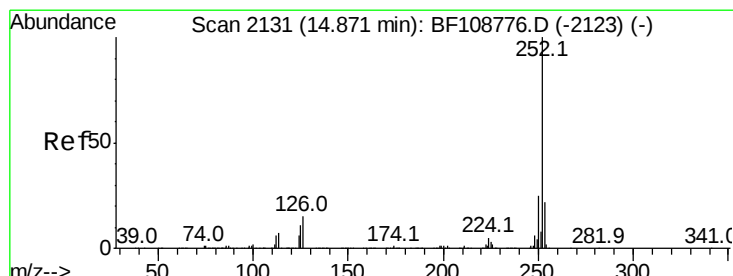
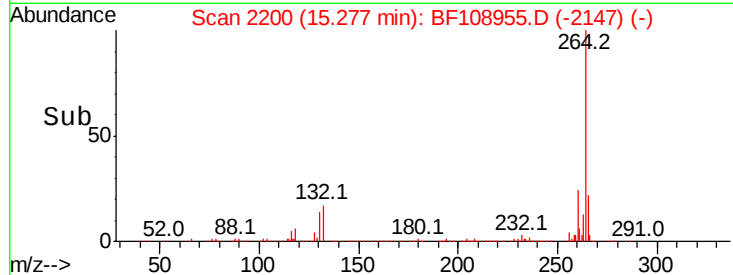
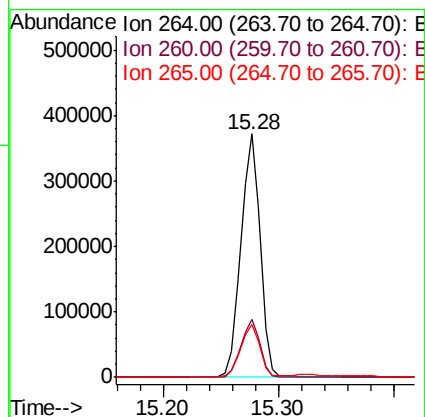
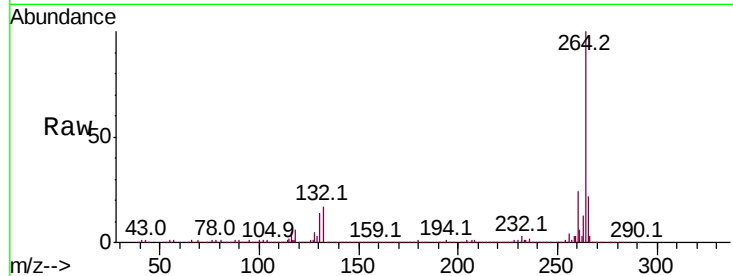
Ion 277.00 (276.70 to 277.70): E





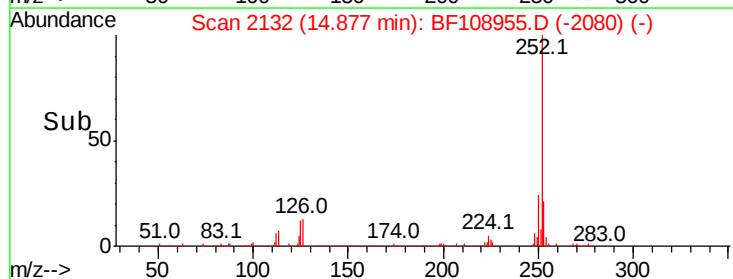
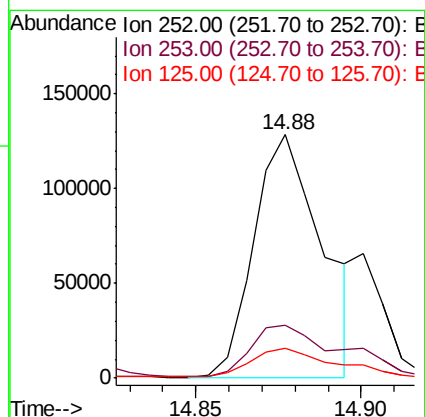
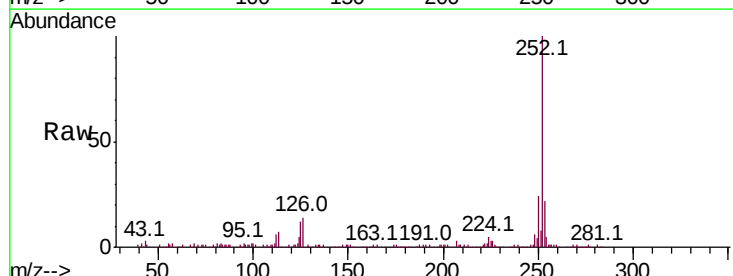
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. 0.01 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

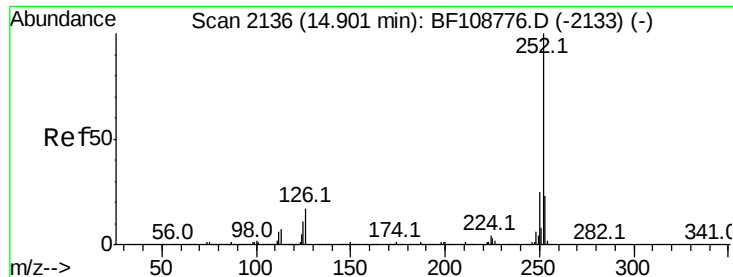
Tot	Ion:264	Resp:	430959
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.5	26.3



#87
 Benzo(b)fluoranthene
 Concen: 7.885 ng m
 RT: 14.88 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

Tgt	Ion:252	Resp:	184781
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.012 ng/mL

RT: 14.90 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

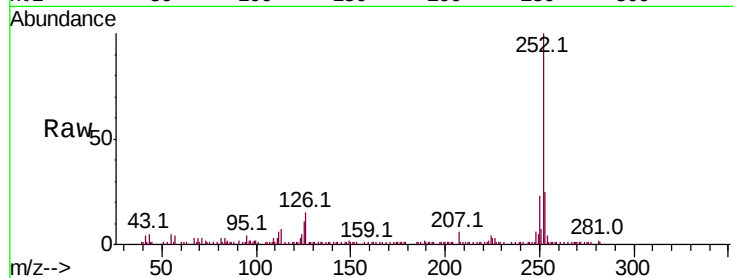
Tot Ion:252 Resp: 43424

Ion Ratio Lower Upper

252 100

253 24.5 17.9 26.9

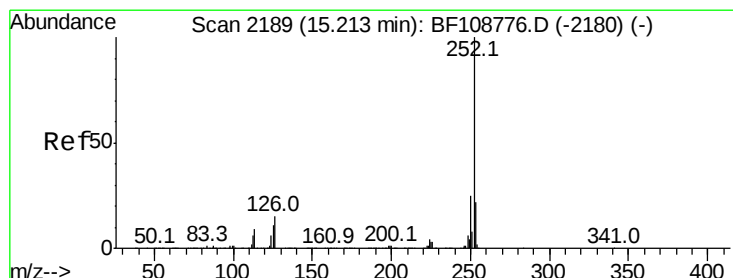
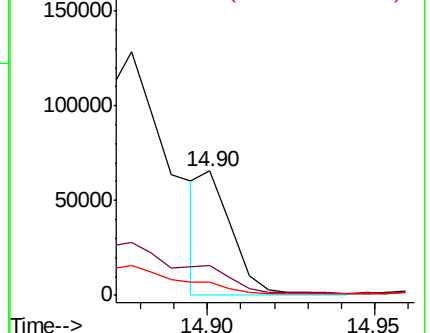
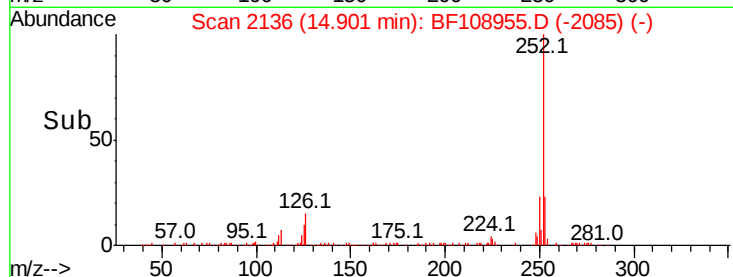
125 10.9 10.2 15.2



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: 6.076 ng/mL

RT: 15.21 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

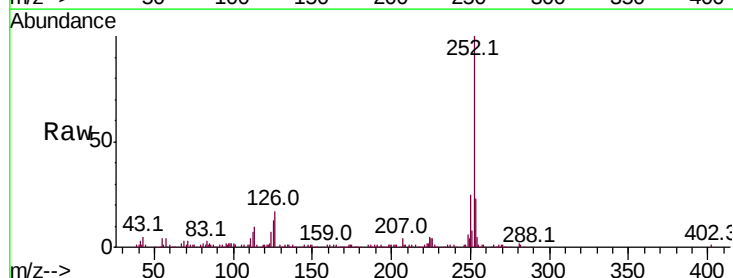
Tgt Ion:252 Resp: 128465

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

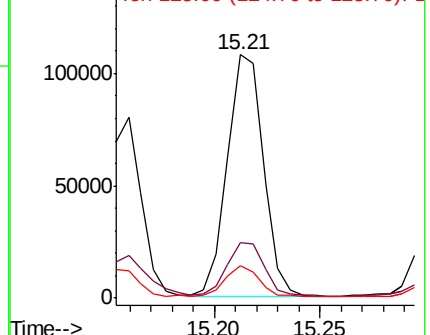
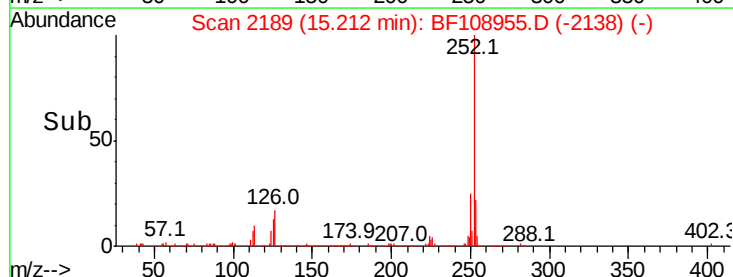
125 13.1 9.8 14.6

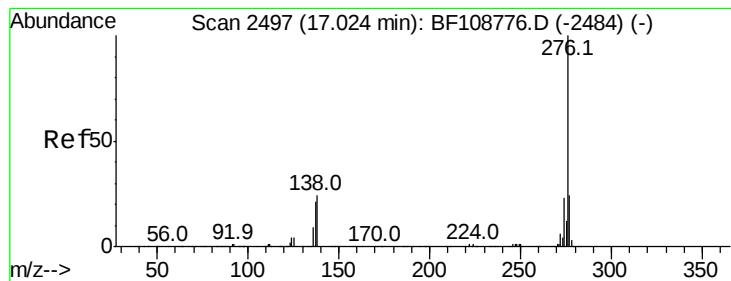


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.770 ng

RT: 17.04 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

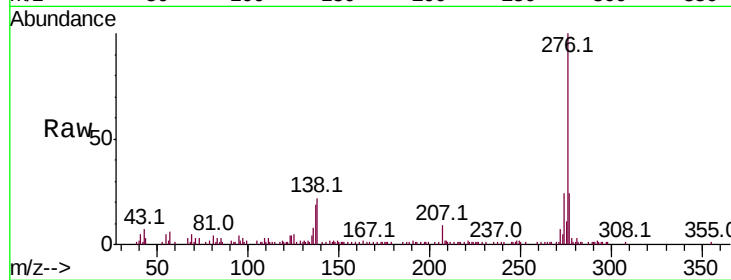
Tot Ion: 276 Resp: 88983

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 22.1 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

