

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 02:13:20 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

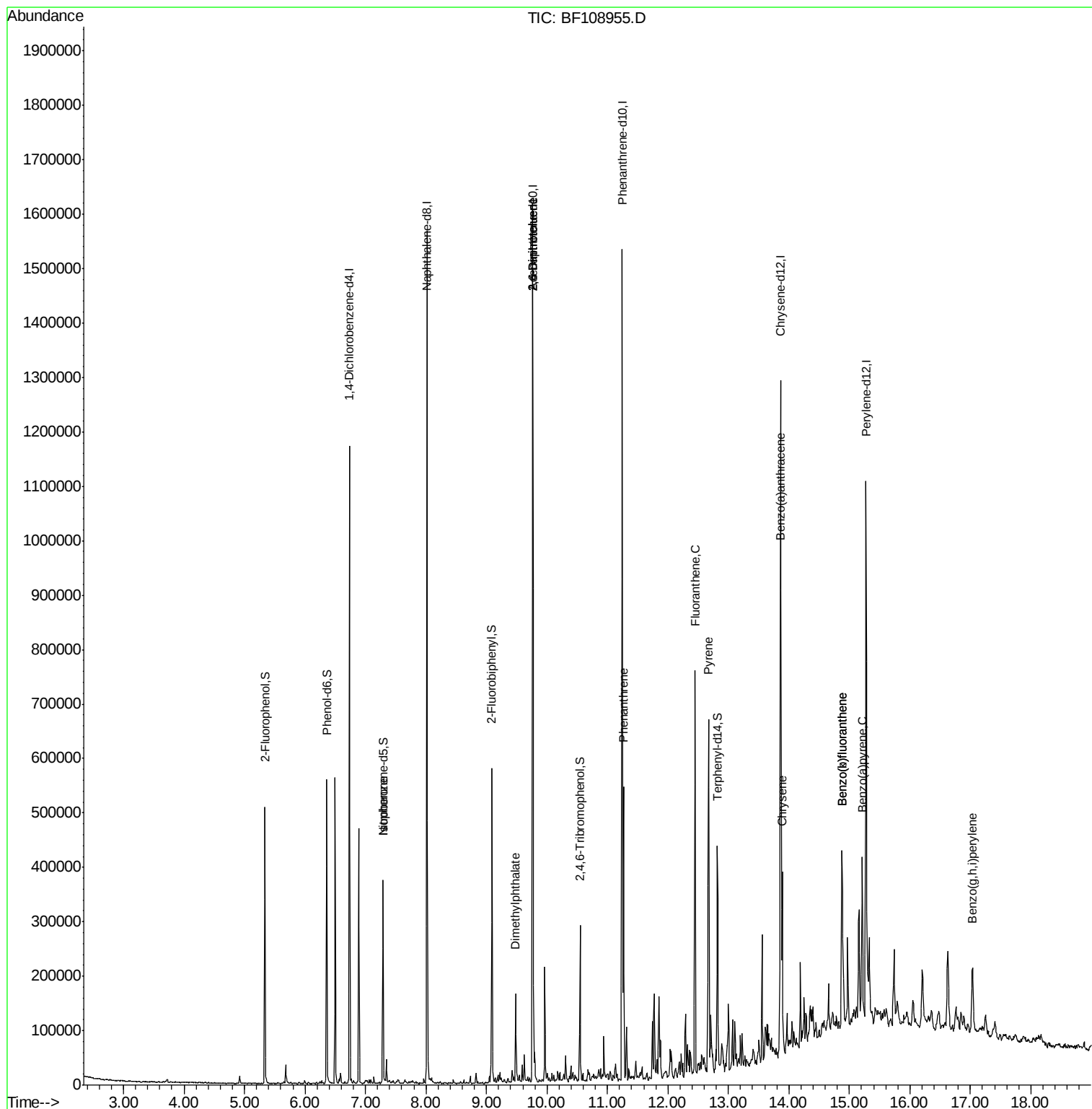
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	134519	13.75	ng	0.00
7) Phenol-d6	6.36	99	174143	13.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	104994	10.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	36317	12.95	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	167859	9.75	ng	0.00
78) Terphenyl-d14	12.82	244	123139	8.13	ng	0.00

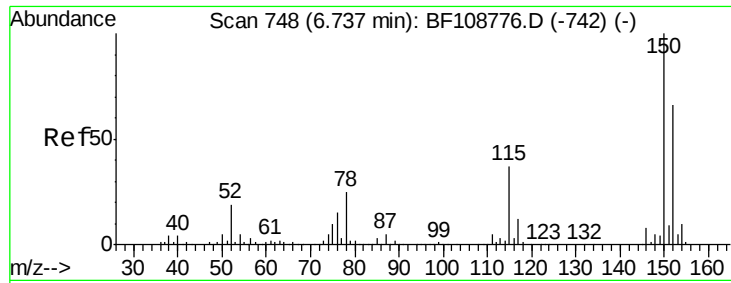
Target Compounds				Qvalue		
25) Isophorone	7.29	82	103013	5.107	ng	# 64
49) Dimethylphthalate	9.48	163	62407	3.038	ng	99
50) 2,6-Dinitrotoluene	9.77	165	38453	9.825	ng	# 26
56) 2,4-Dinitrotoluene	9.77	165	38453	7.683	ng	# 23
70) Phenanthrene	11.27	178	179795	7.618	ng	98
74) Fluoranthene	12.45	202	281853	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
87) Benzo(b)fluoranthene	14.88	252	226211	9.653	ng	99
88) Benzo(k)fluoranthene	14.88	252	226211	10.482	ng	98
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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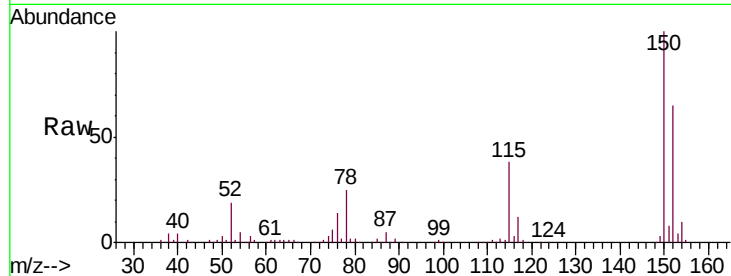
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Response via : Initial Calibration





#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

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

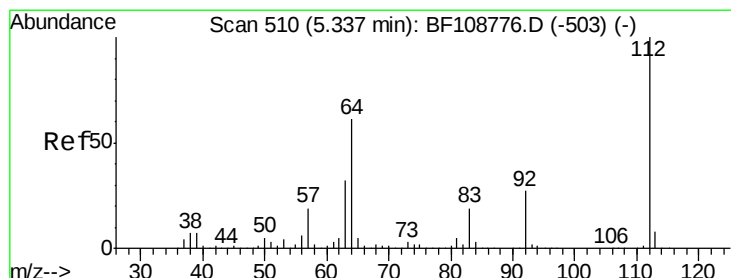
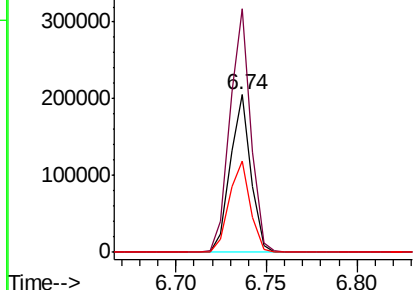
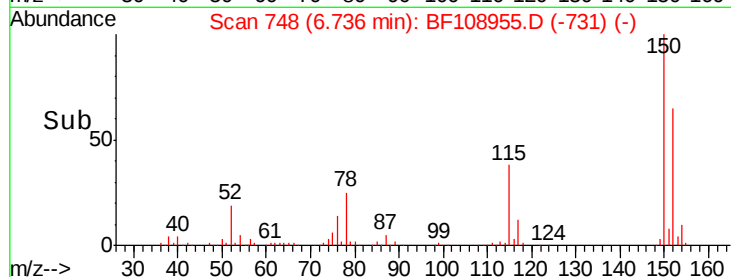


Abundance

Ion 152.00 (151.70 to 152.70): E

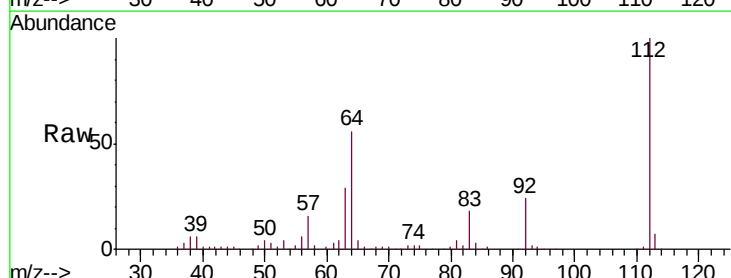
Ion 150.00 (149.70 to 150.70): E

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

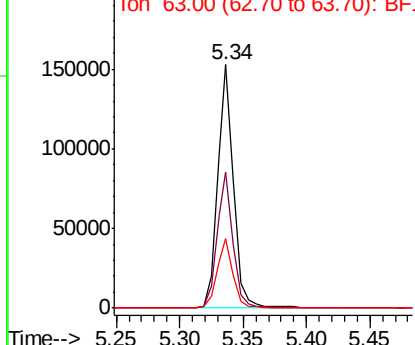
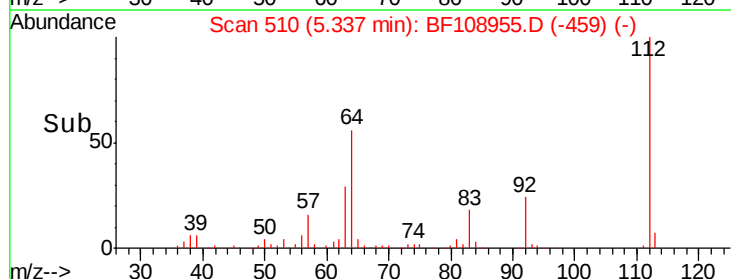


Abundance

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

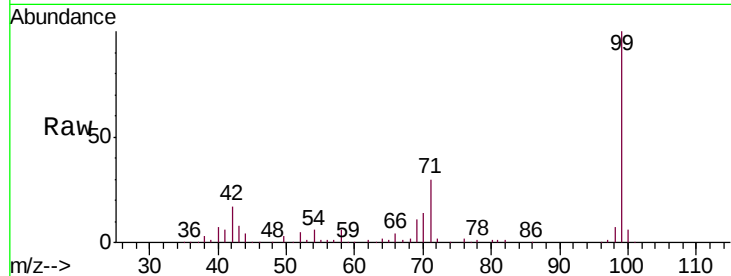
Tgt Ion: 99 Resp: 174143

Ion Ratio Lower Upper

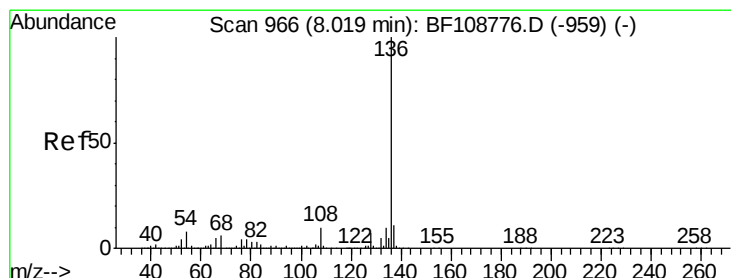
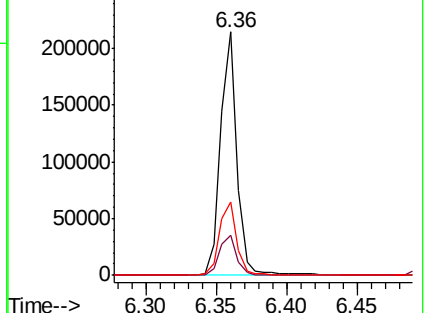
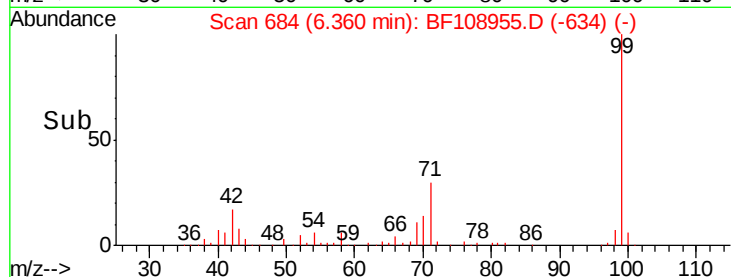
99 100

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

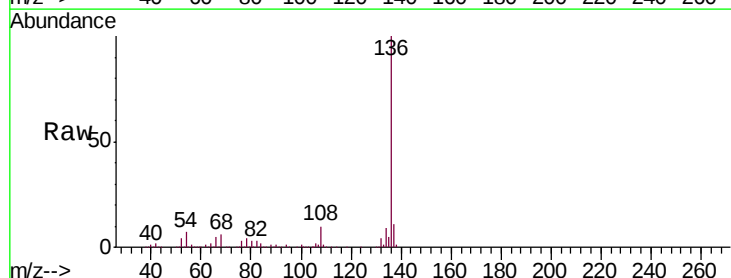
Ion Ratio Lower Upper

136 100

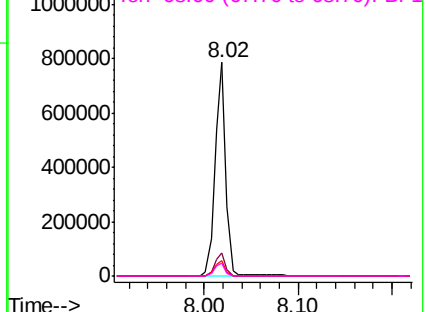
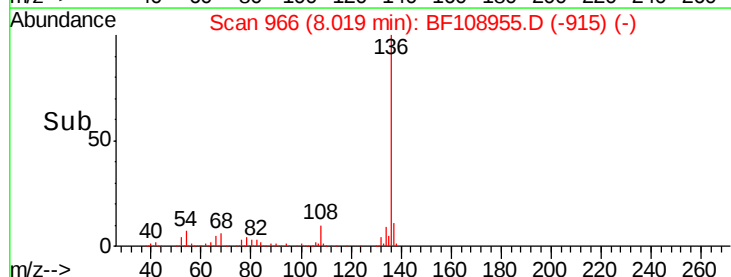
137 10.9 8.9 13.3

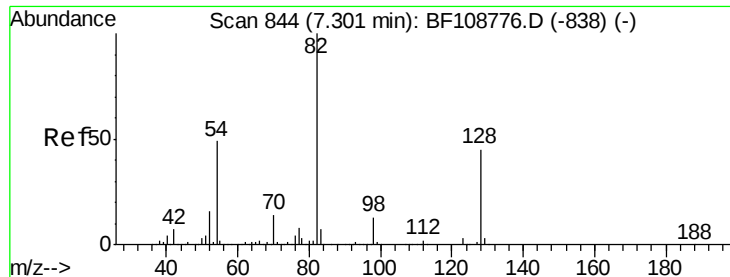
54 7.1 6.6 9.8

68 5.9 5.0 7.4



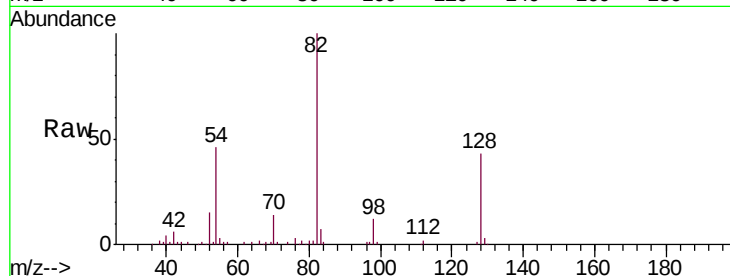
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



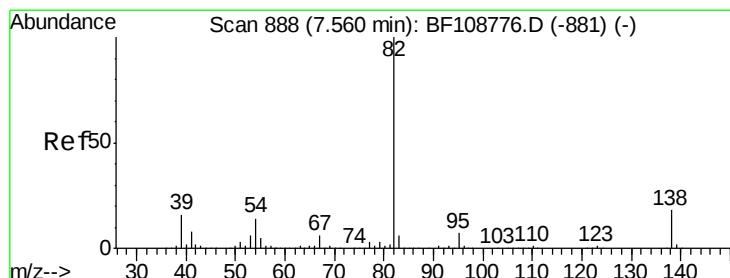
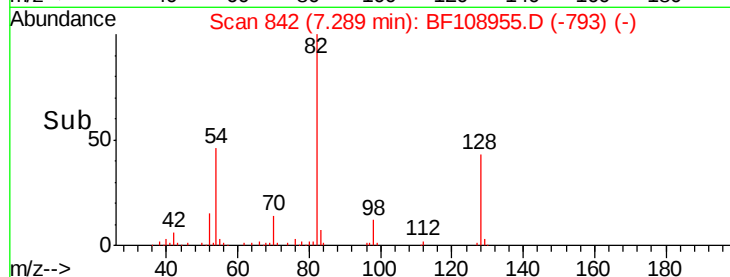
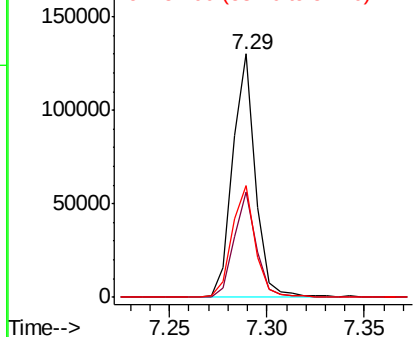


#23
Nitrobenzene-d5
Concen: 10.382 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tgt Ion:	82	Resp:	104994
Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	45.7	41.4	62.2

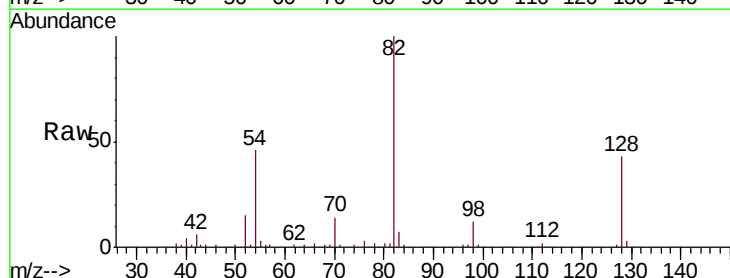


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

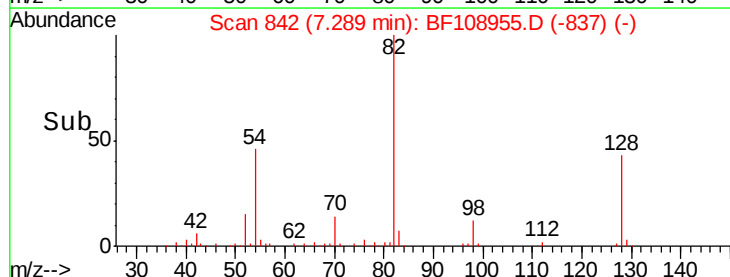
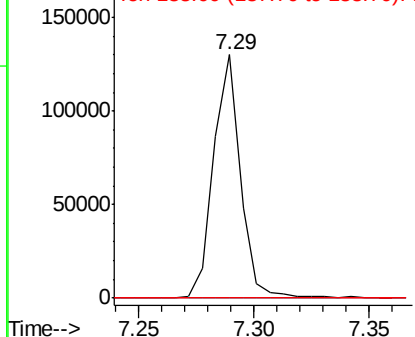


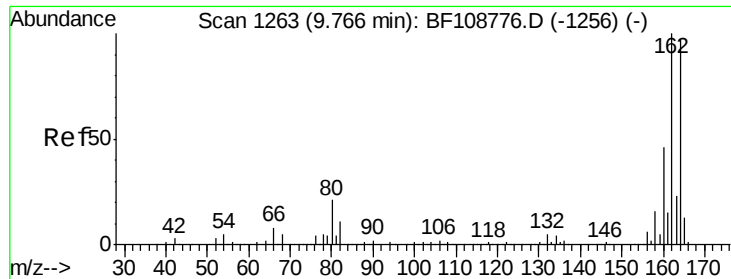
#25
Isophorone
Concen: 5.107 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.27 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tgt Ion:	82	Resp:	103013
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: BF108955.D

Acq: 12 Sep 2018 17:39

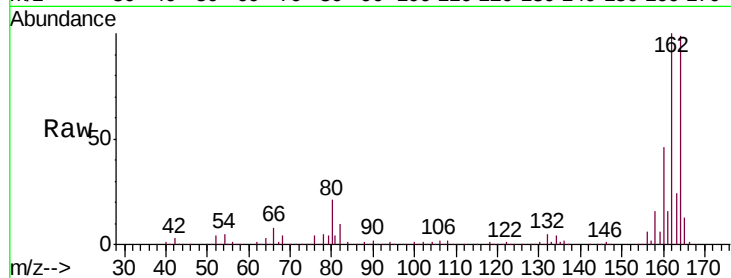
Tgt Ion:164 Resp: 293654

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

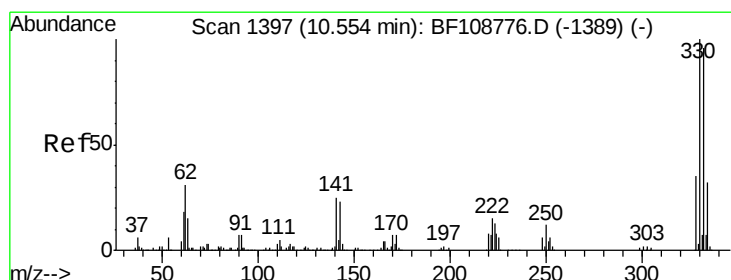
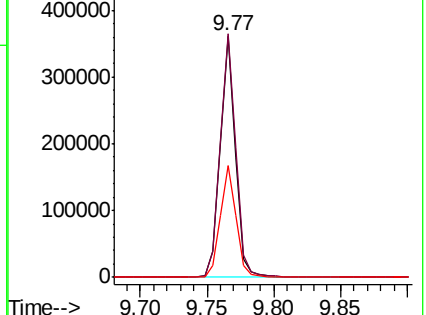
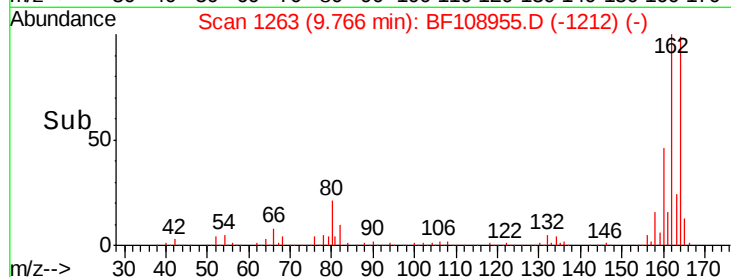
160 46.3 38.3 57.5



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: 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

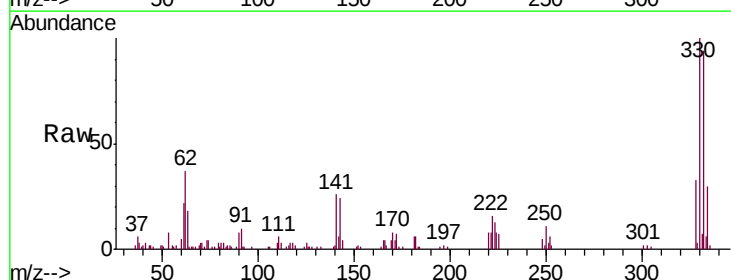
Tgt Ion:330 Resp: 36317

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

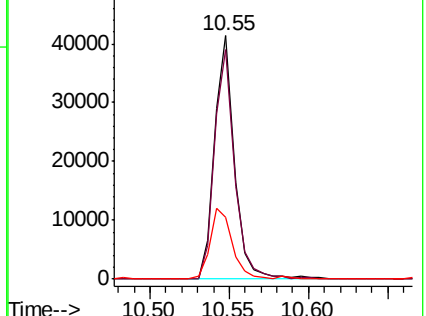
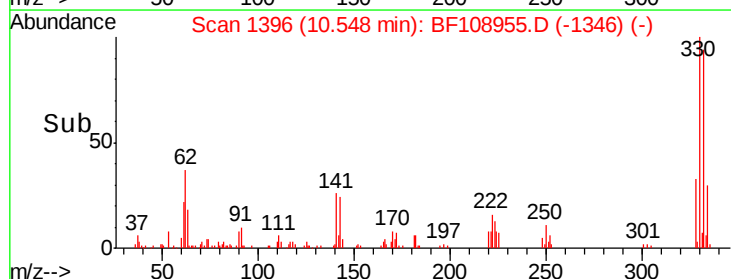
141 32.3 29.9 44.9

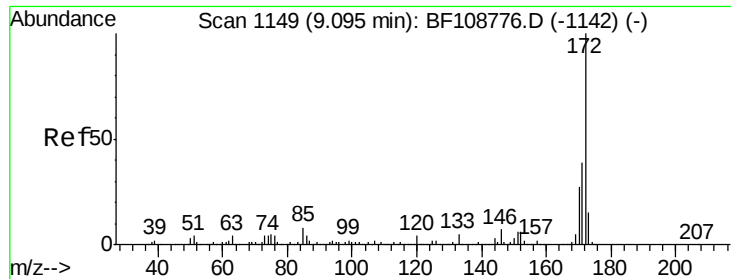


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

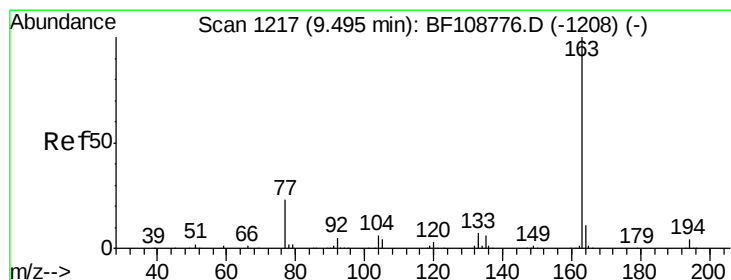
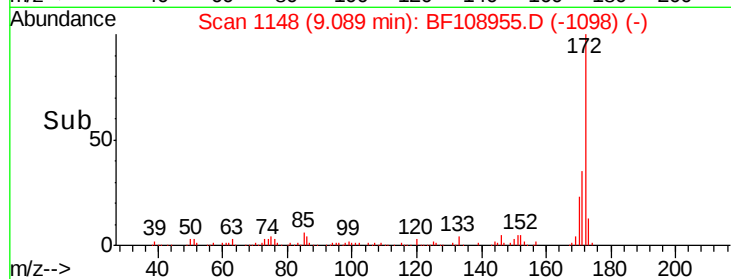
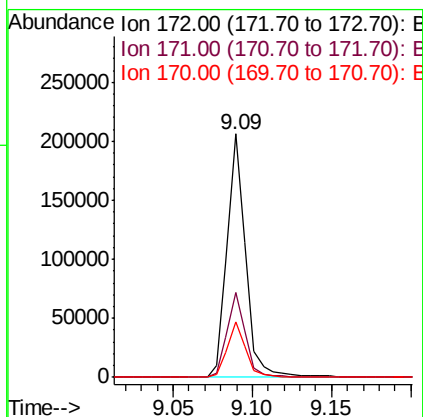
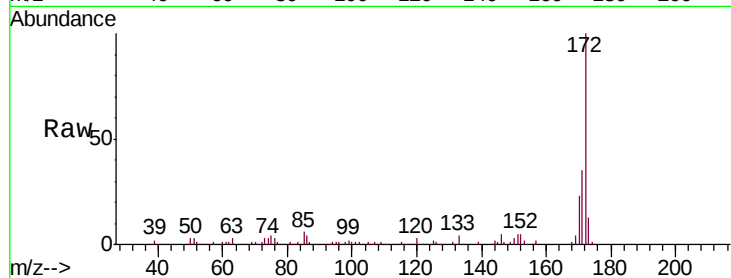
Ion 141.00 (140.70 to 141.70): E





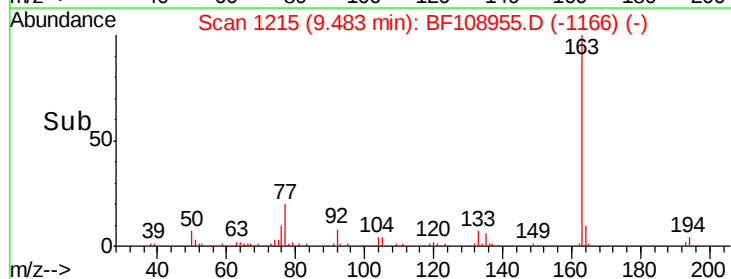
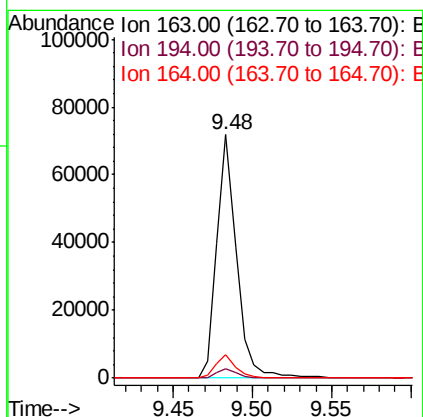
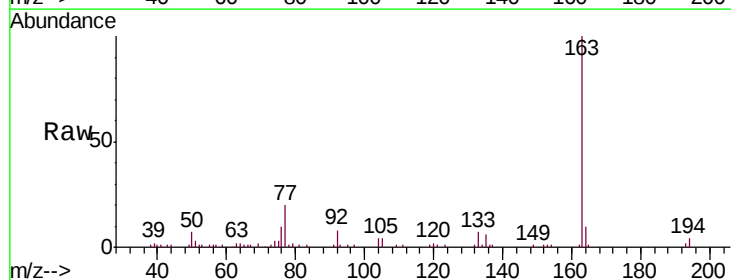
#44
 2-Fluorobiphenyl
 Concen: 9.752 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

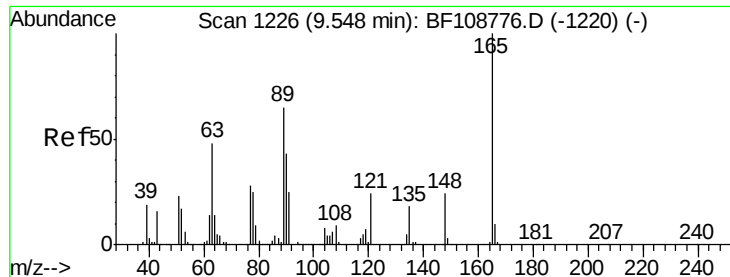
Tgt Ion:	172	Resp:	167859
Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.8	19.6	29.4



#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

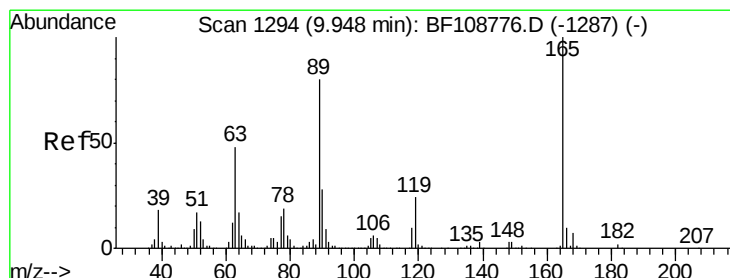
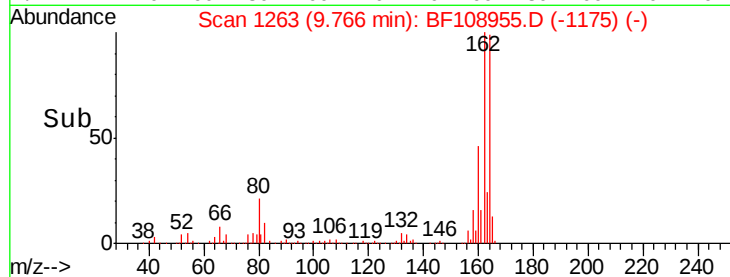
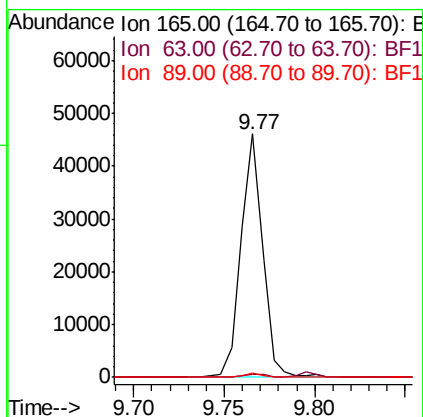
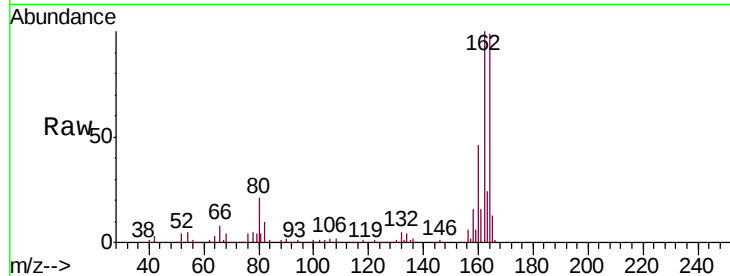
Tgt Ion:	163	Resp:	62407
Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.8	8.2	12.2





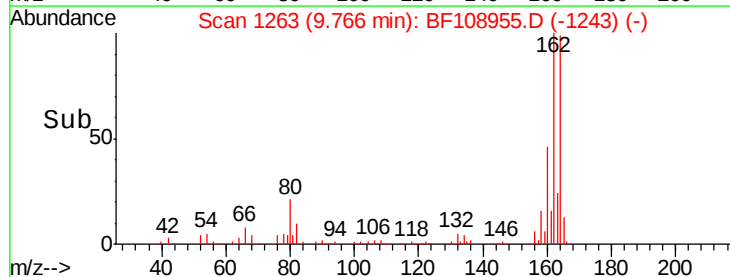
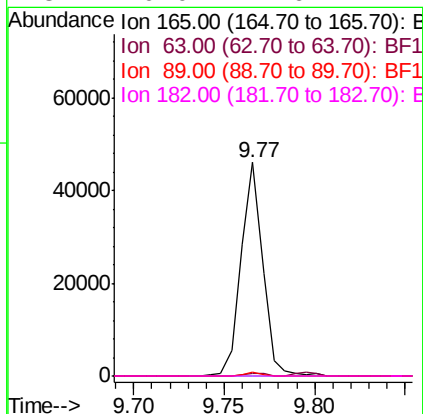
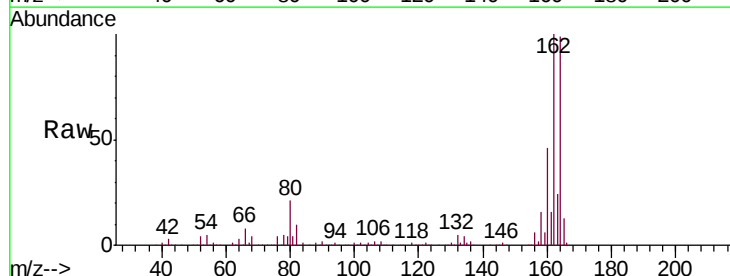
#50
 2,6-Dinitrotoluene
 Concen: 9.825 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

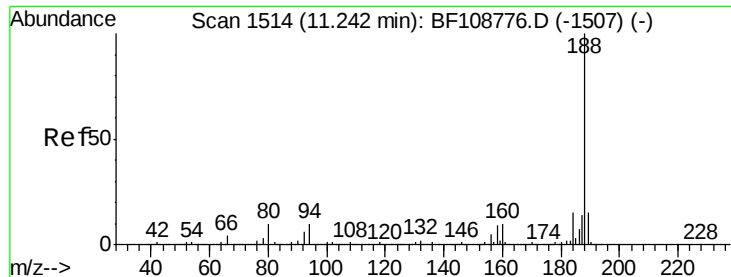
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.683 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.18 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

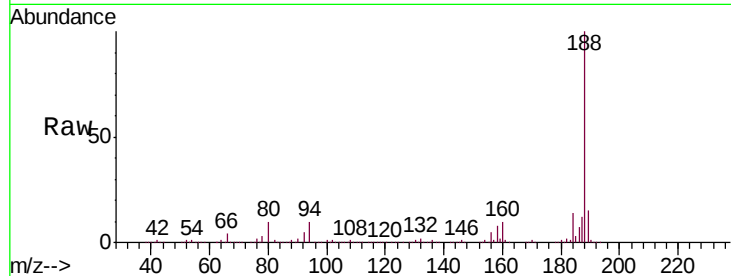
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



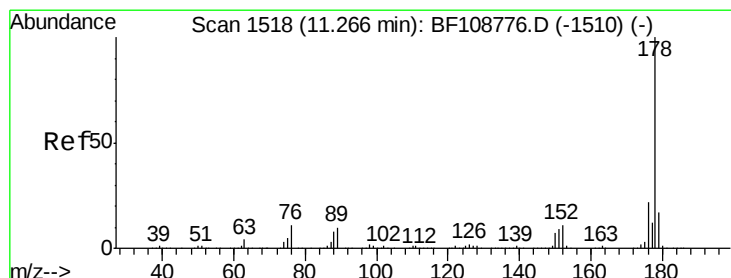
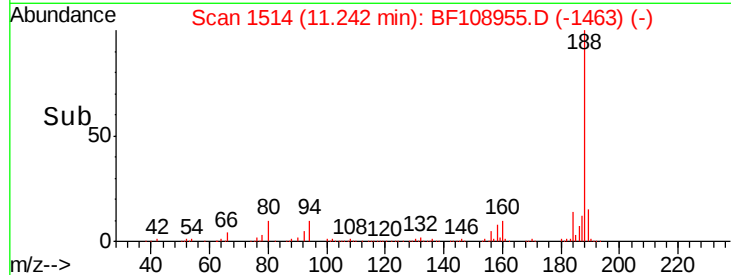
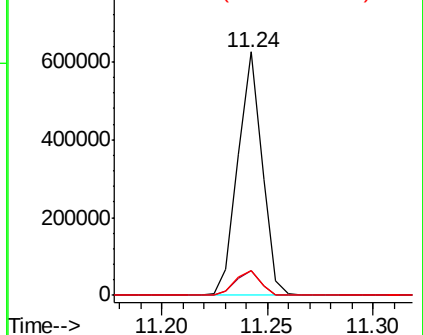


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.0	9.2	13.8

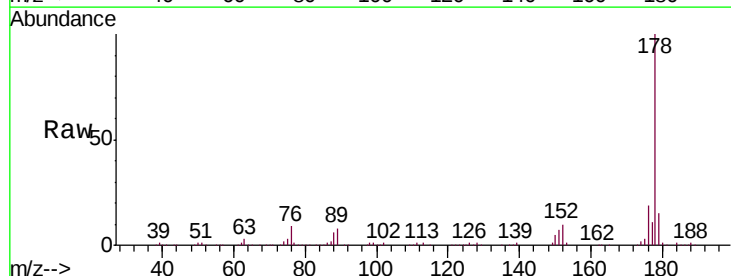


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

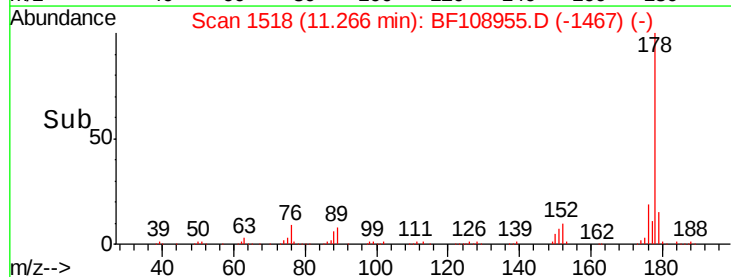
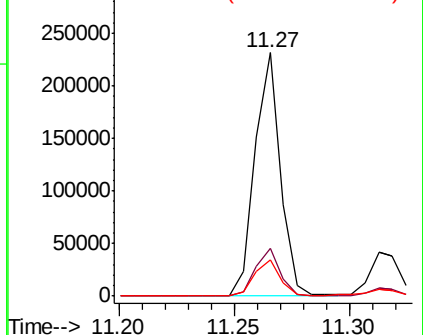


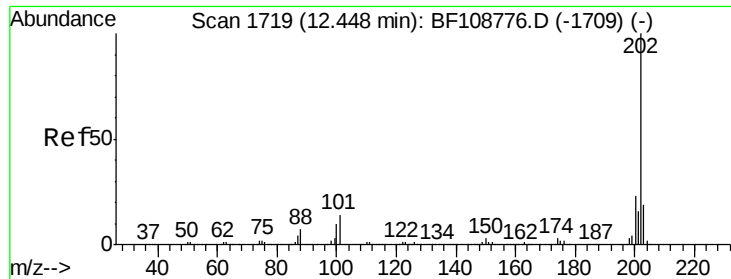
#70
Phenanthrene
Concen: 7.618 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

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



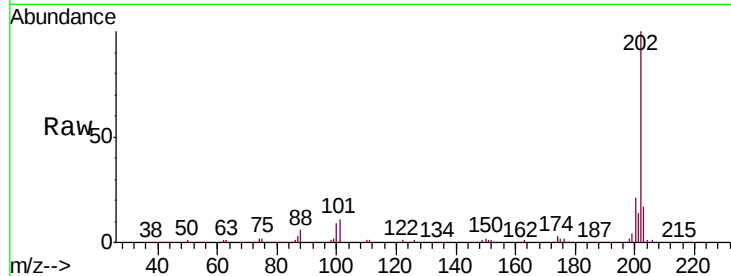
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



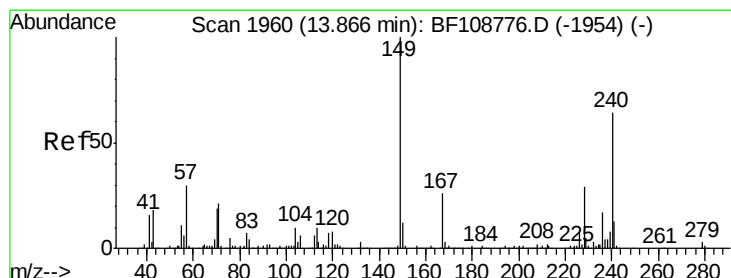
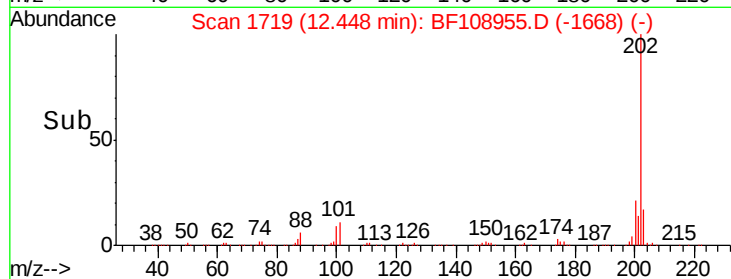
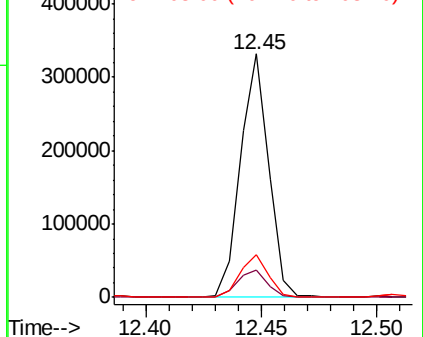


#74
 Fluoranthene
 Concen: 12.061 ng
 RT: 12.45 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

Tgt Ion:	202	Resp:	281853
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.3	0.0	38.1

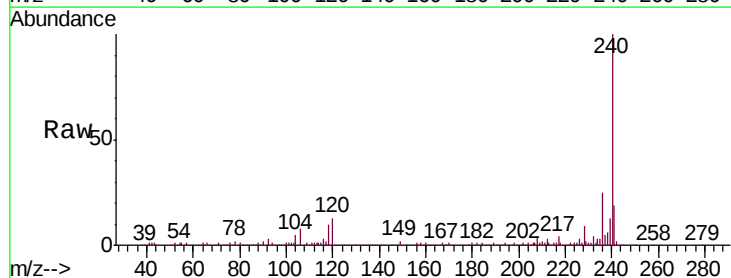


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

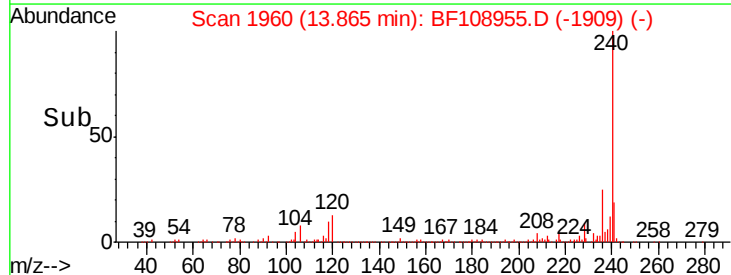
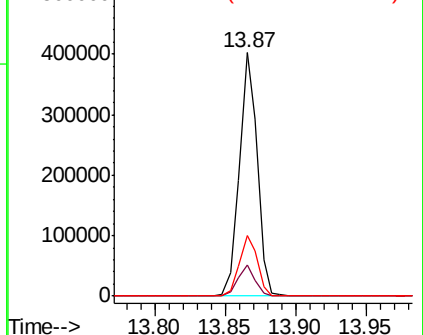


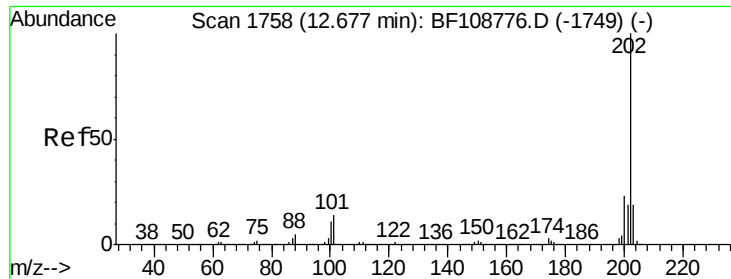
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BF108955.D
 Acq: 12 Sep 2018 17:39

Tgt 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

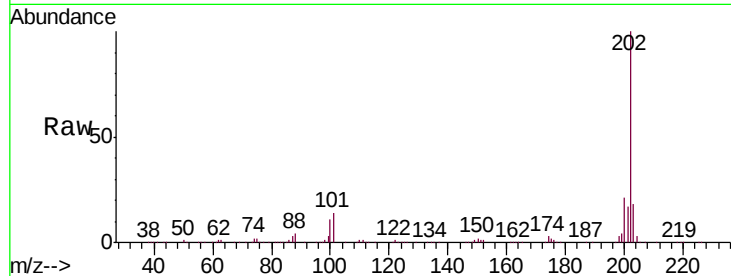
RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

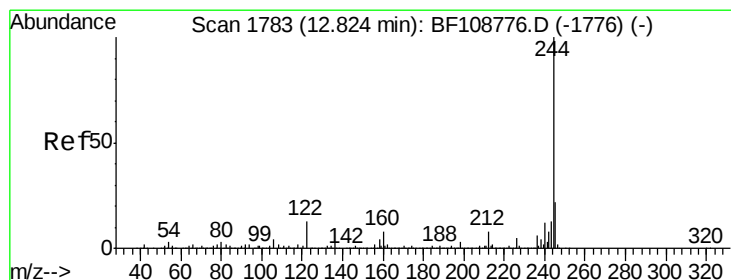
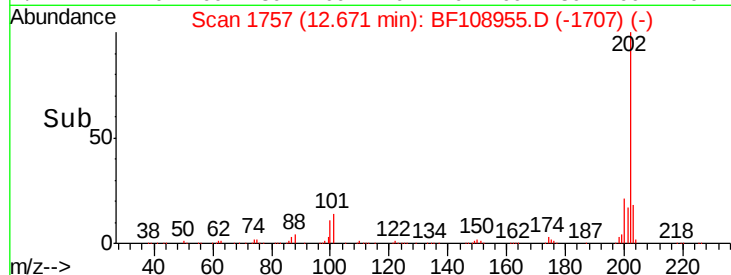
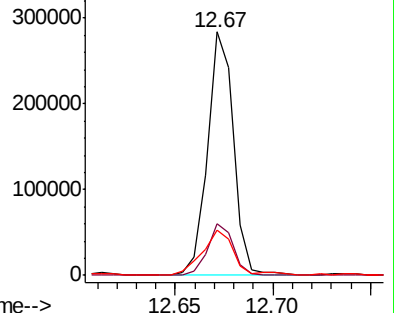
Tgt Ion:	202	Resp:	261877
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.4	14.3	21.5



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

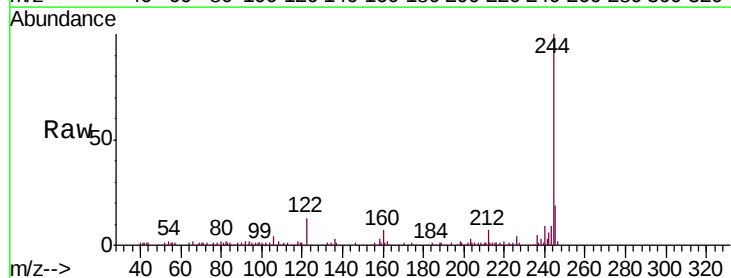
RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108955.D

Acq: 12 Sep 2018 17:39

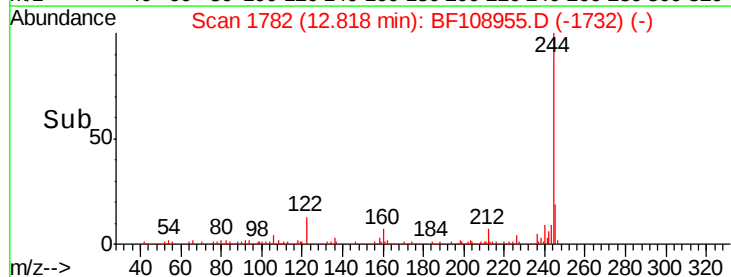
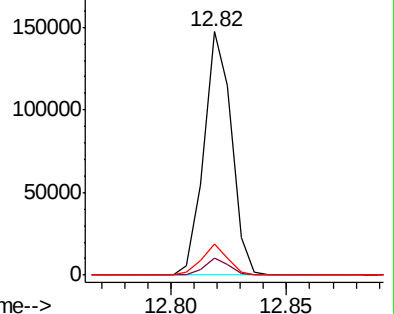
Tgt Ion:	244	Resp:	123139
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.6	11.0	16.4

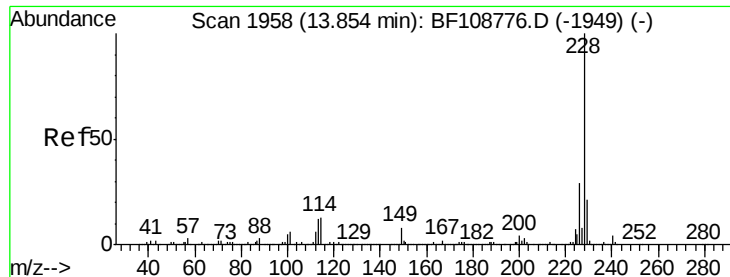


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

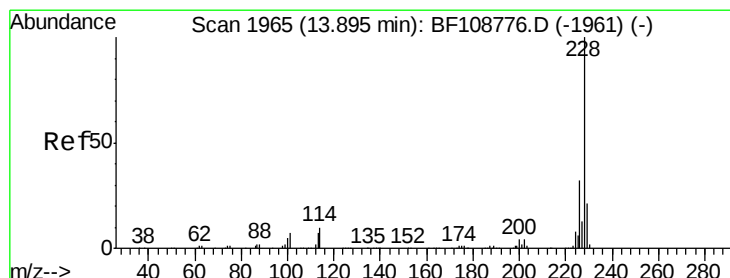
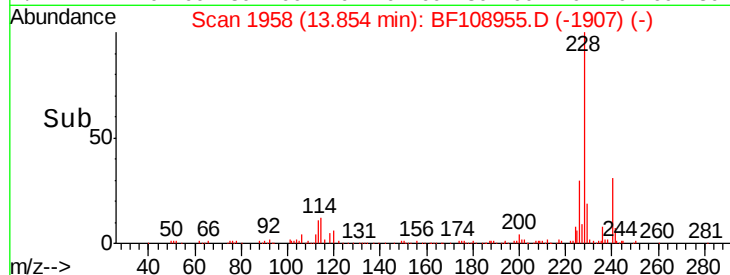
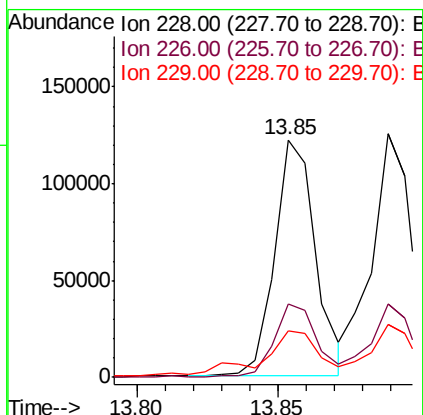
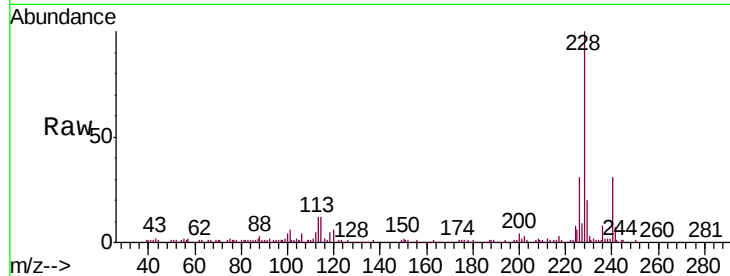
Ion 122.00 (121.70 to 122.70): E





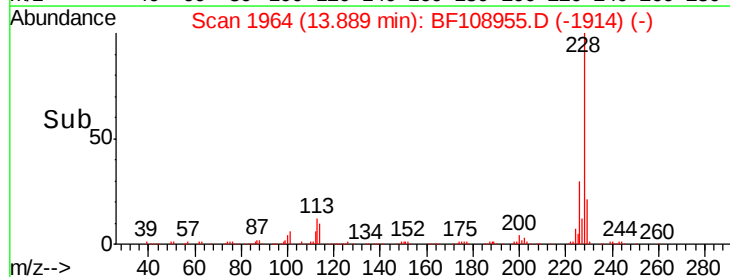
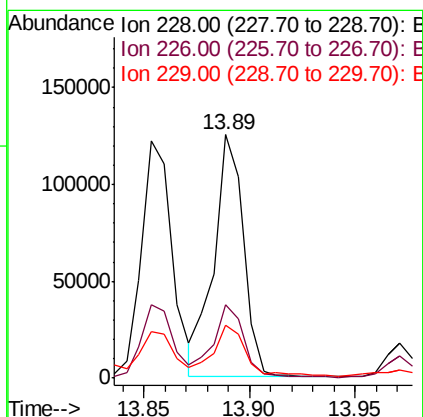
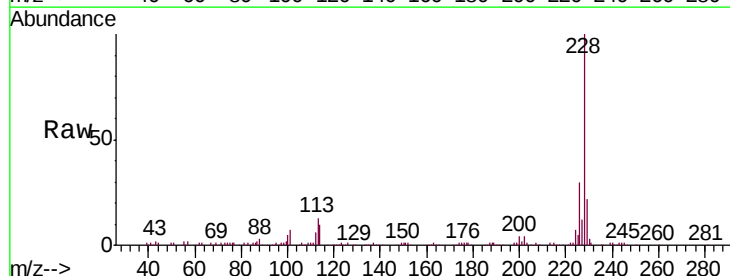
#80
Benzo(a)anthracene
Concen: 5.398 ng
RT: 13.85 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

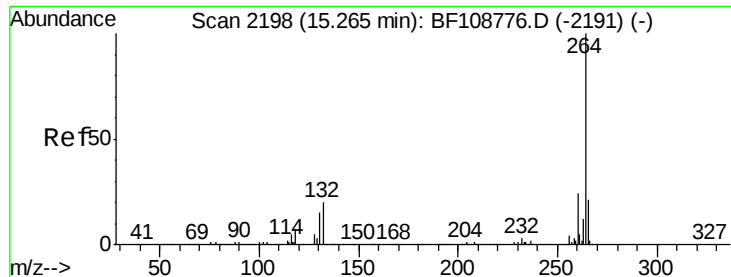
Tgt Ion:	228	Resp:	122200
Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	19.6	15.8	23.6



#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

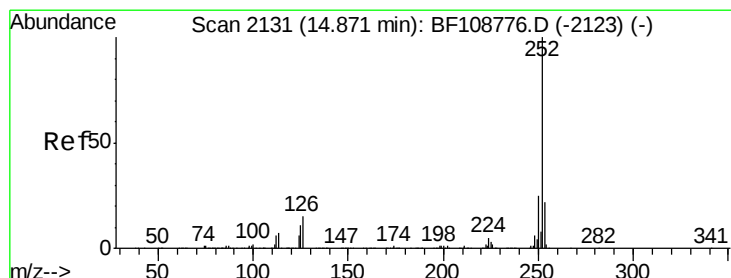
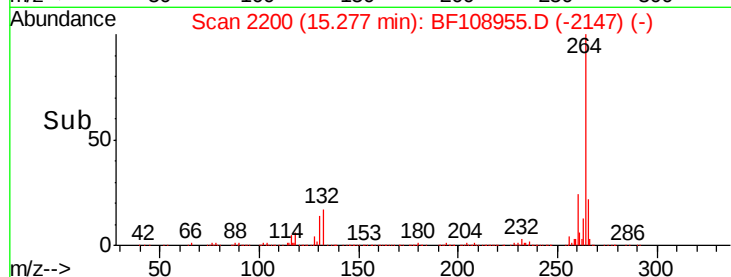
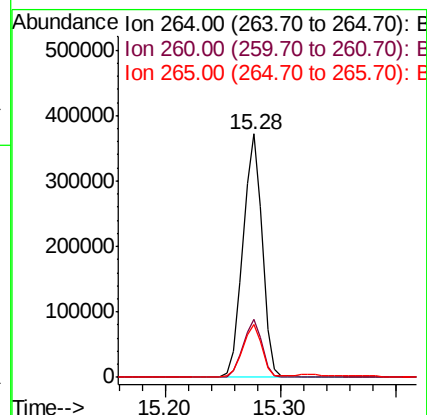
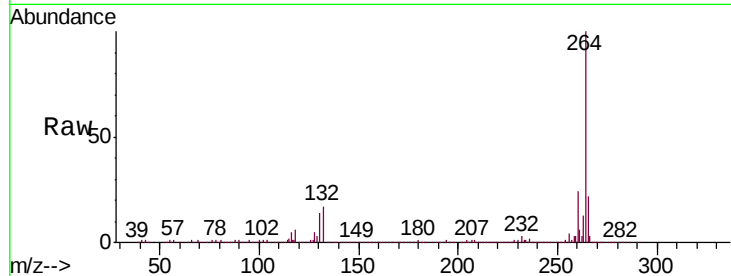
Tgt Ion:	228	Resp:	122530
Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.8	16.2	24.4





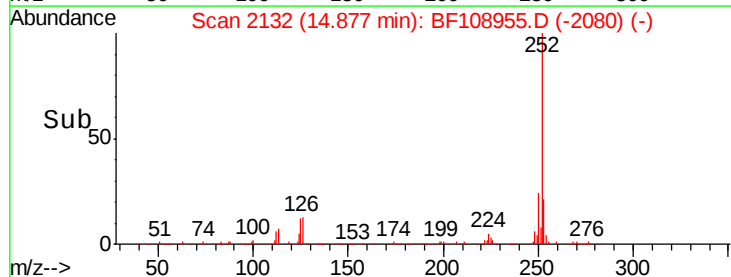
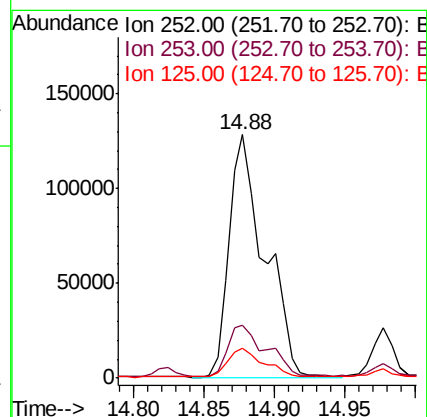
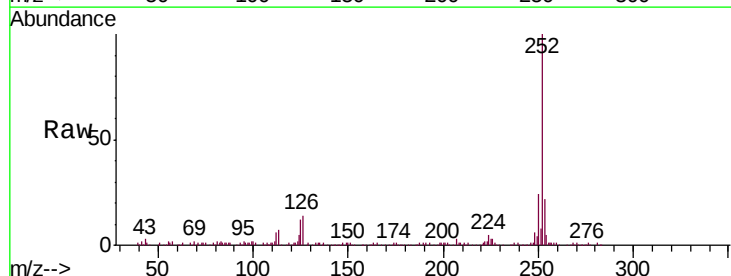
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

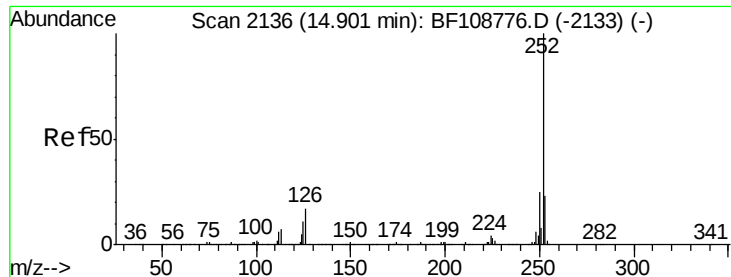
Tgt Ion:	264	Resp:	430959
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 9.653 ng
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

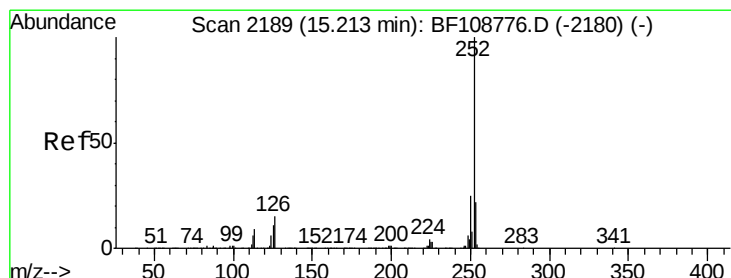
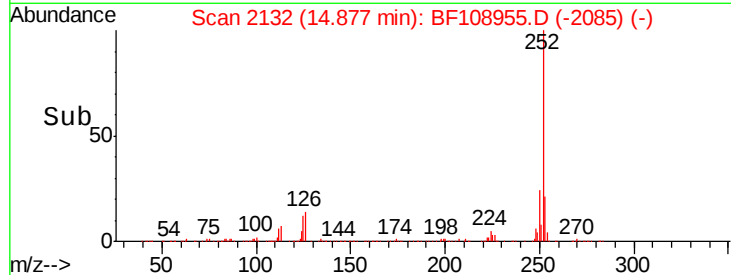
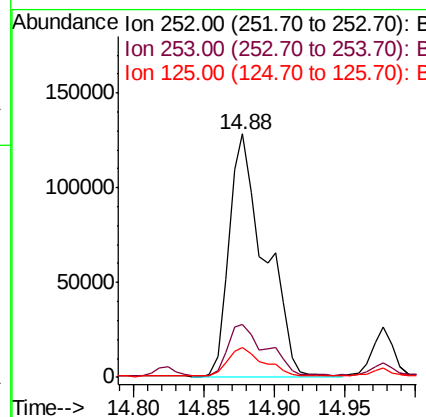
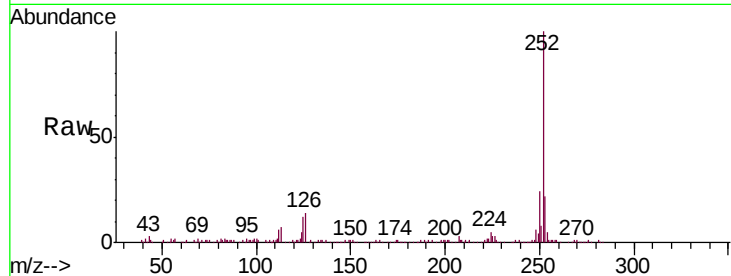
Tgt Ion:	252	Resp:	226211
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.1	9.0	13.6





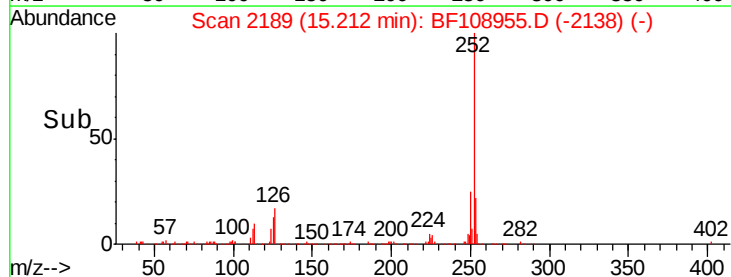
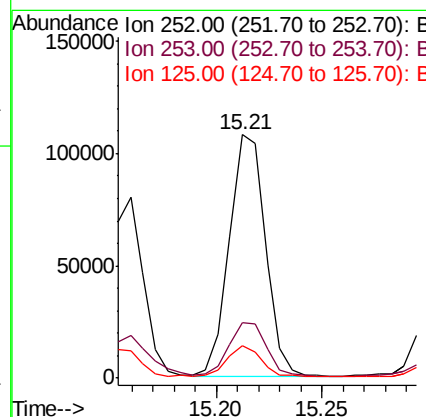
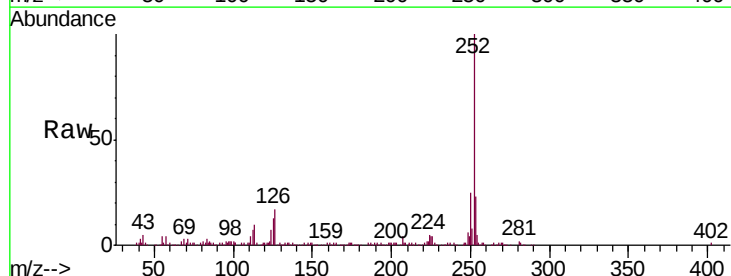
#88
Benzo(k)fluoranthene
Concen: 10.482 ng
RT: 14.88 min Scan# 2132
Delta R.T. -0.02 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

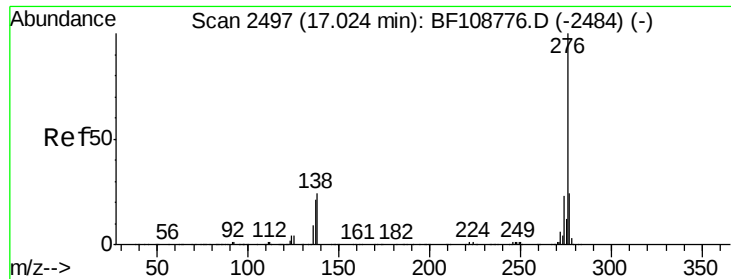
Tgt Ion:	252	Resp:	226211
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.076 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108955.D
Acq: 12 Sep 2018 17:39

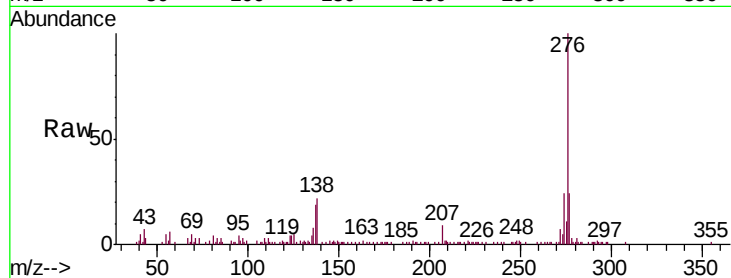
Tgt Ion:	252	Resp:	128465
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.1	9.8	14.6





#91
 Benzo(g,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

Tgt 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

