

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111856.D
 Acq On : 4 Jan 2019 20:30
 Operator : JU/SJ
 Sample : K1033-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

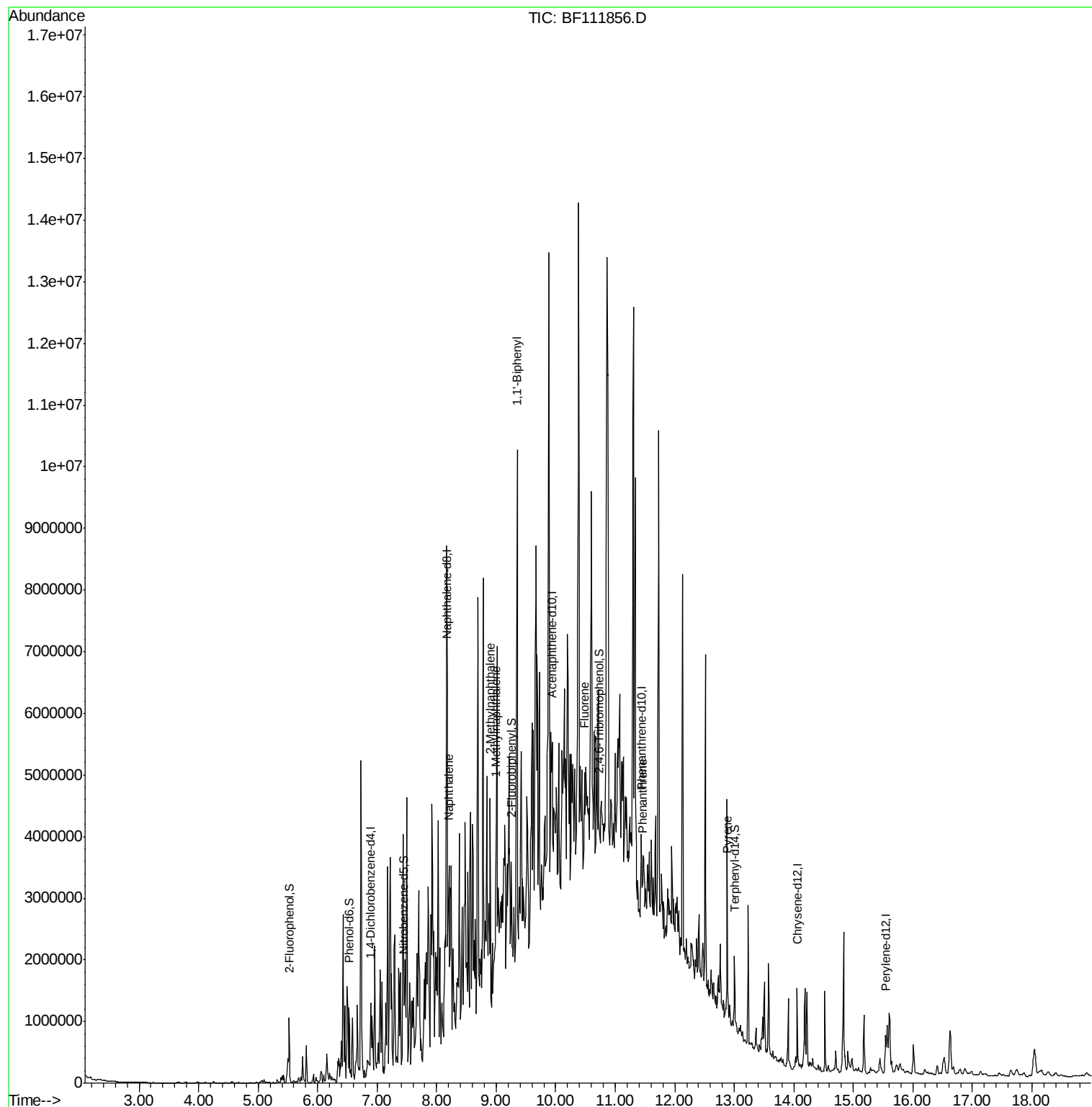
Quant Time: Jan 05 01:26:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	136511	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	557898	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	272630	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	308688	20.00	ng	0.02
76) Chrysene-d12	14.06	240	335939	20.00	ng	0.00
87) Perylene-d12	15.54	264	295992	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	256581	32.04	ng	0.00
7) Phenol-d6	6.53	99	343704	33.72	ng	0.00
23) Nitrobenzene-d5	7.45	82	238168	24.85	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	82201	25.52	ng	0.01
45) 2-Fluorobiphenyl	9.25	172	512325	27.39	ng	0.00
79) Terphenyl-d14	13.00	244	342455	19.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.20	128	355198	13.251	ng	# 89
37) 2-Methylnaphthalene	8.90	142	763832	43.797	ng	98
38) 1-Methylnaphthalene	8.99	142	413651m	24.696	ng	
46) 1,1'-Biphenyl	9.36	154	107075	4.653	ng	95
58) Fluorene	10.49	166	100460	5.620	ng	# 85
71) Phenanthrene	11.46	178	106300m	6.493	ng	
78) Pyrene	12.87	202	48698	2.053	ng	94

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

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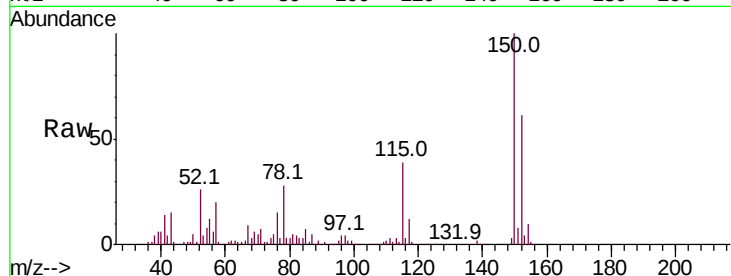




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	126.6	189.8
115	63.8	50.7	76.1

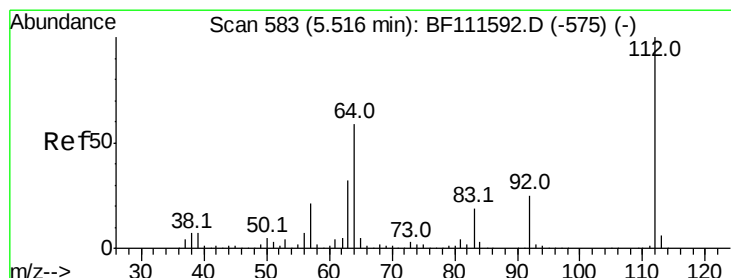
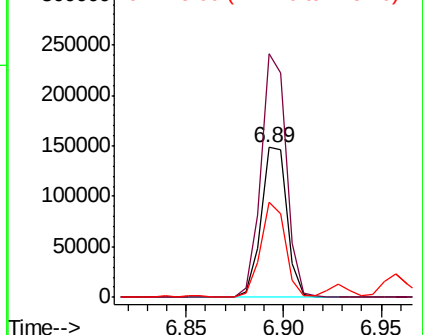
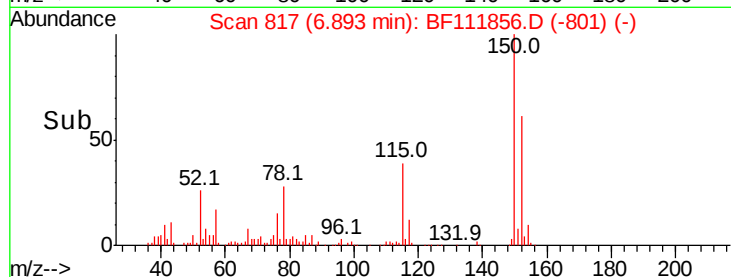


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

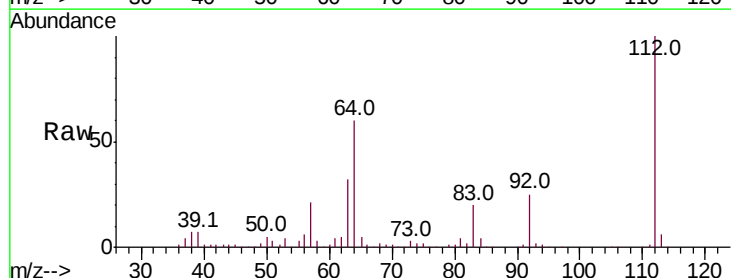
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 32.038 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	51.8	77.6
63	32.2	26.8	40.2

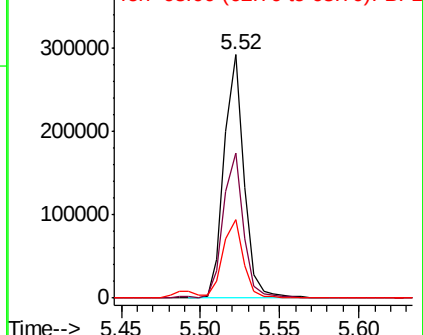
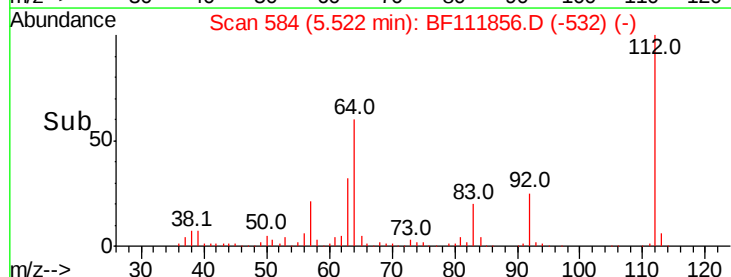


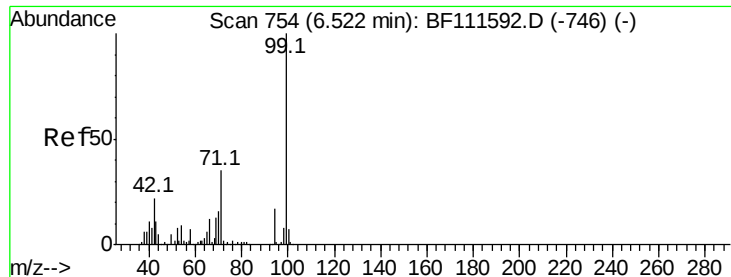
Abundance

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: 33.722 ng

RT: 6.53 min Scan# 755

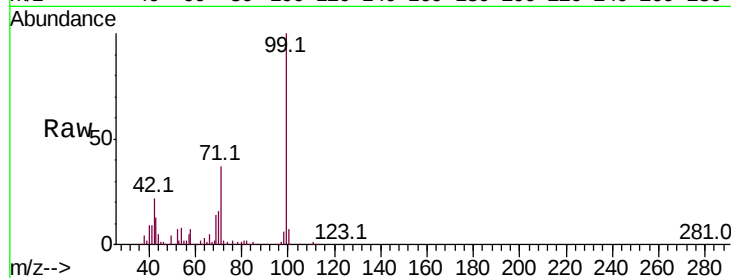
Delta R.T. 0.01 min

Lab File: BF111856.D

Acq: 4 Jan 2019 20:30

Tot Ion: 99 Resp: 343704

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.4	26.0
71	37.0	26.1	39.1

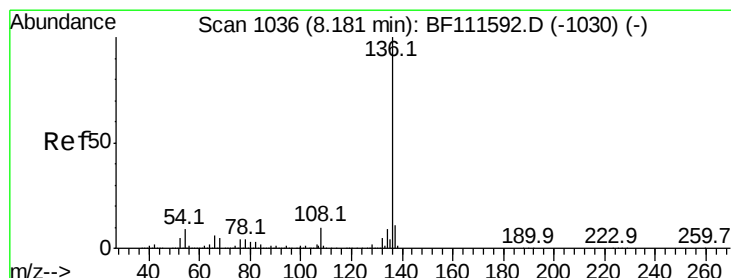
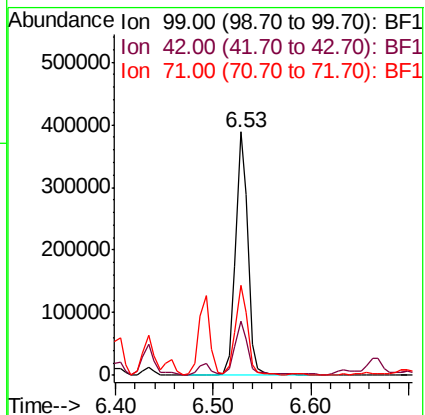
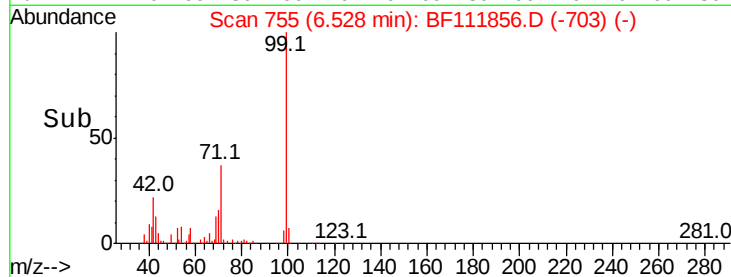


Abundance

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: 8.18 min Scan# 1036

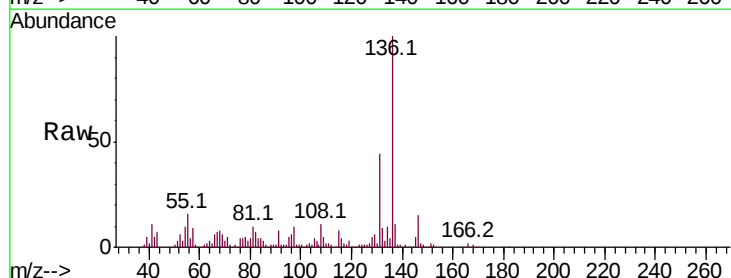
Delta R.T. 0.00 min

Lab File: BF111856.D

Acq: 4 Jan 2019 20:30

Tgt Ion: 136 Resp: 557898

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.4	7.7	11.5
68	7.6	4.9	7.3#



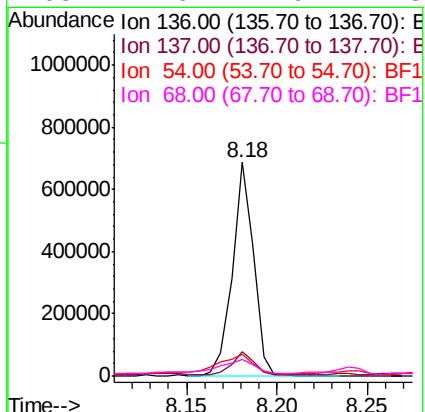
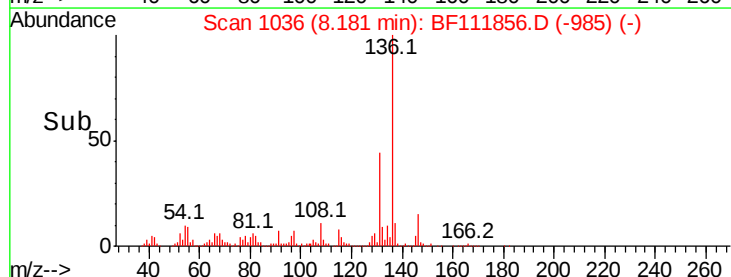
Abundance

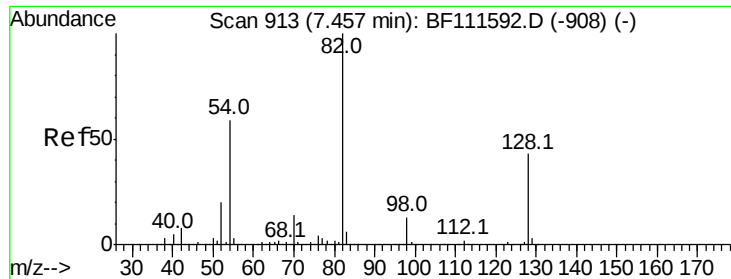
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

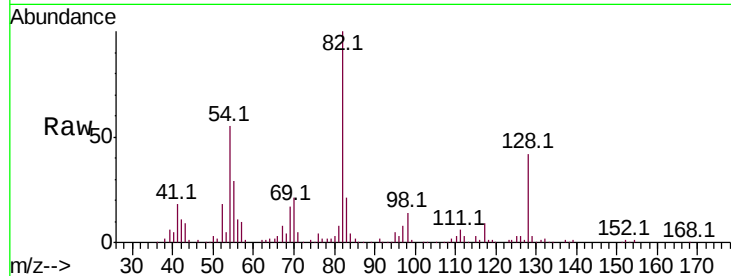
Ion 68.00 (67.70 to 68.70): BF1





#23
Nitrobenzene-d5
Concen: 24.849 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tot Ion	82	Resp	238168
Ion Ratio	100	Lower	Upper
128	42.2	37.4	56.2
54	55.1	47.6	71.4

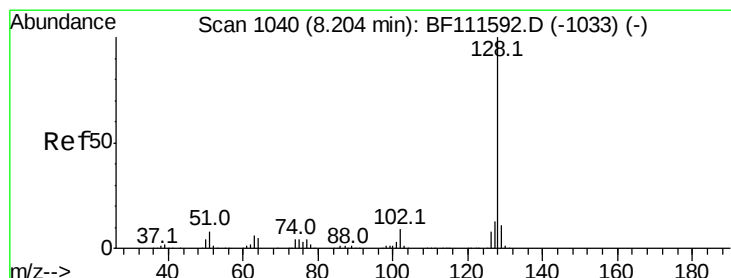
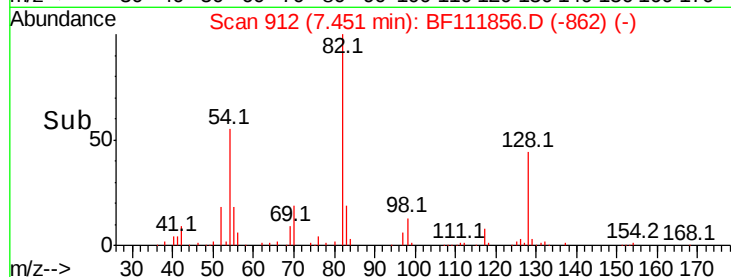
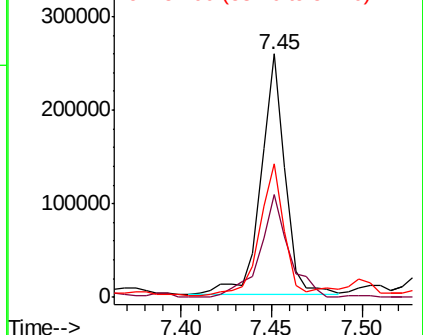


Abundance

Ion 82.00 (81.70 to 82.70): BF1

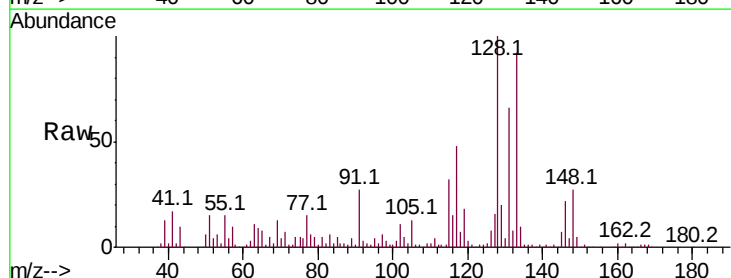
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 13.251 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tgt Ion	128	Resp	355198
Ion Ratio	100	Lower	Upper
129	20.0	9.8	14.8#
127	16.5	12.0	18.0

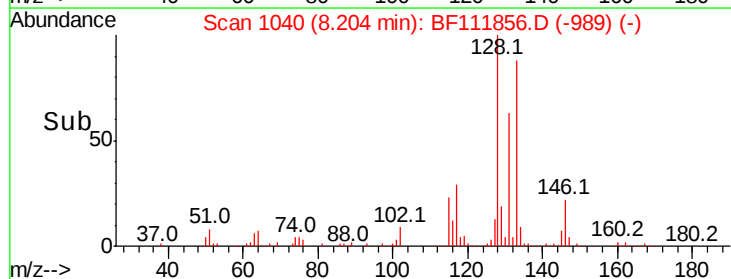
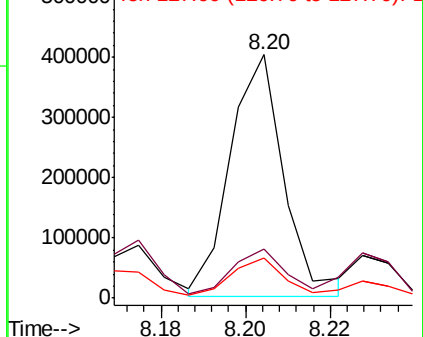


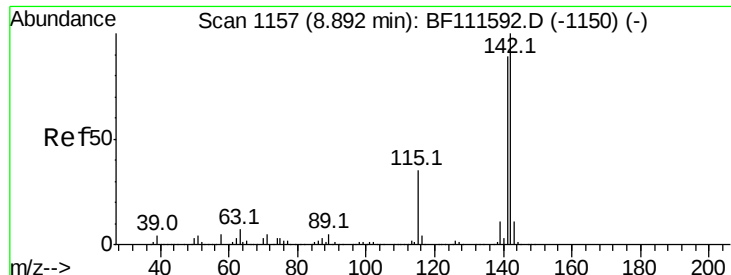
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

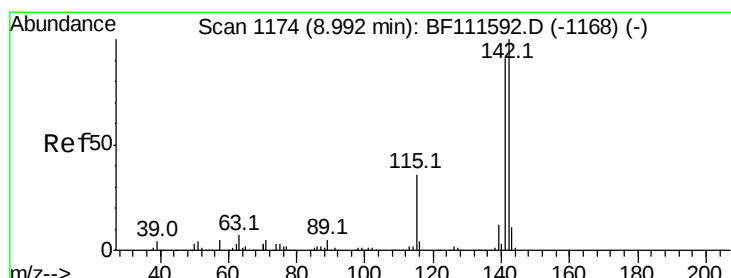
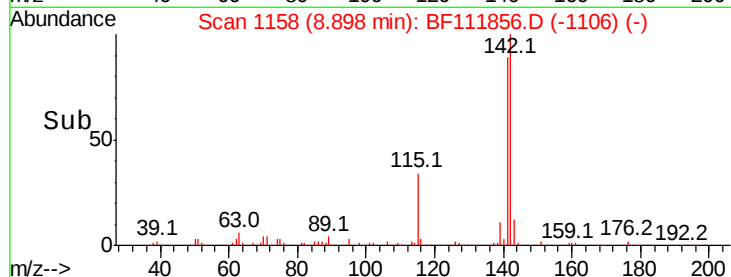
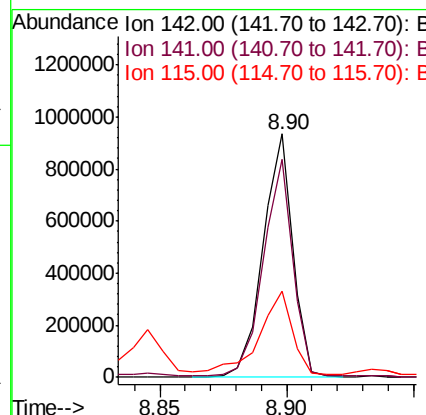
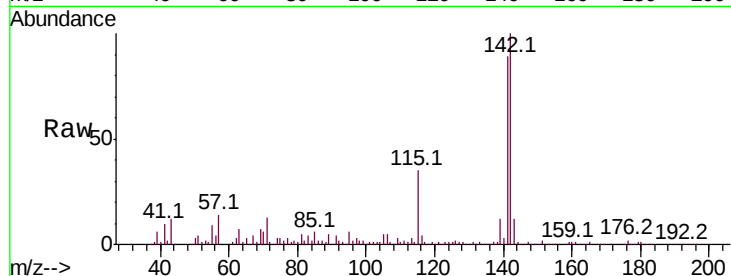
Ion 127.00 (126.70 to 127.70): E





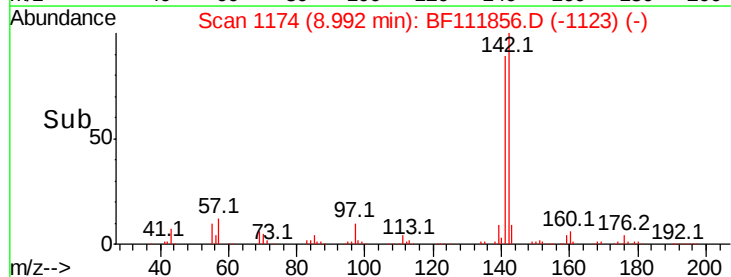
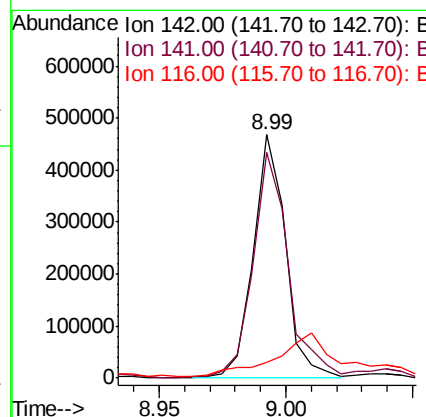
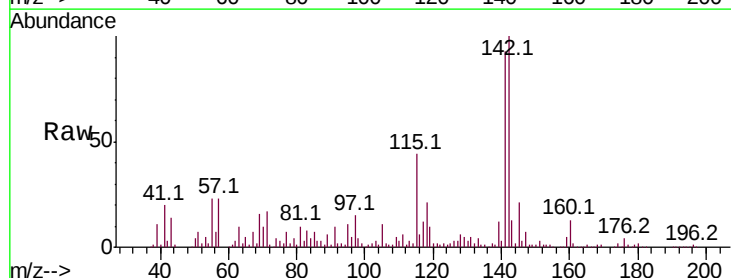
#37
2-Methylnaphthalene
Concen: 43.797 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

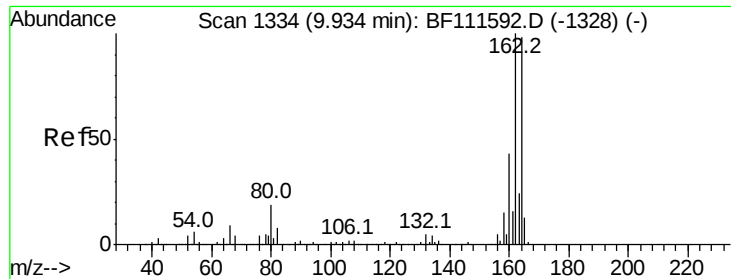
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.6	105.8
115	35.2	27.0	40.6



#38
1-Methylnaphthalene
Concen: 24.696 ng m
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4
116	6.5	2.9	4.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111856.D

Acq: 4 Jan 2019 20:30

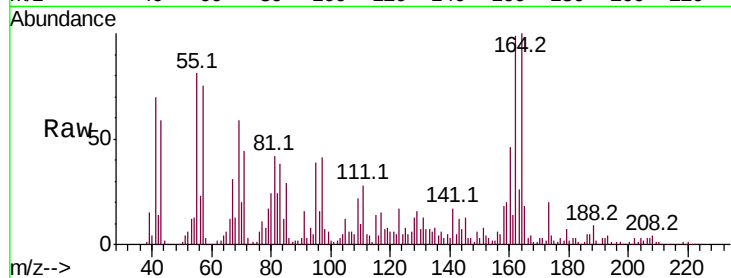
Tot Ion:164 Resp: 272630

Ion Ratio Lower Upper

164 100

162 99.3 81.4 122.0

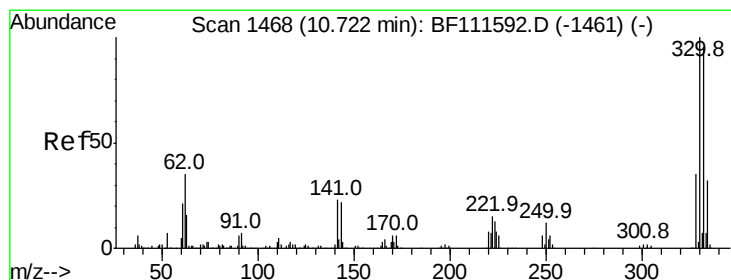
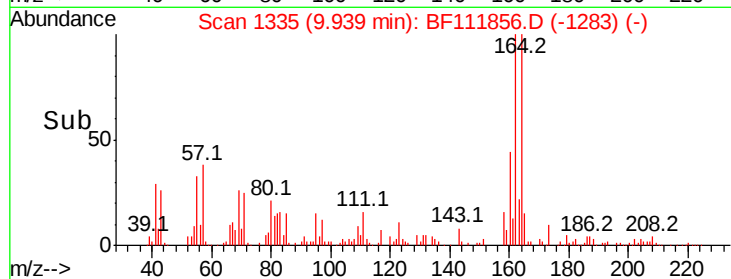
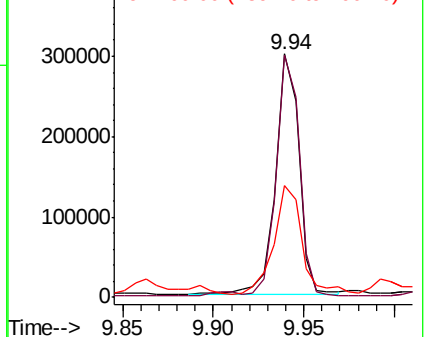
160 45.7 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 25.518 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF111856.D

Acq: 4 Jan 2019 20:30

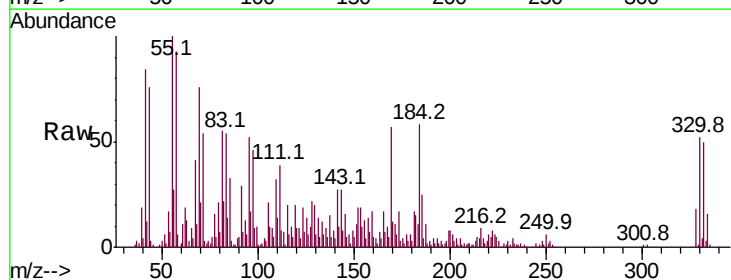
Tgt Ion:330 Resp: 82201

Ion Ratio Lower Upper

330 100

332 95.4 76.0 114.0

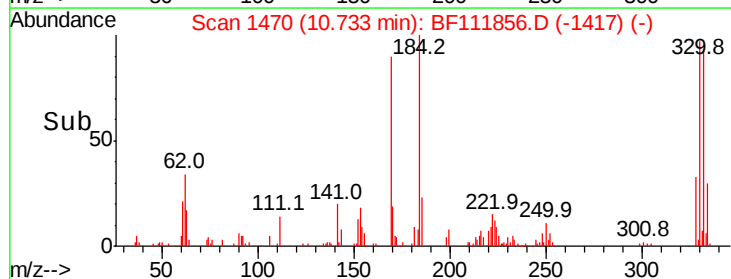
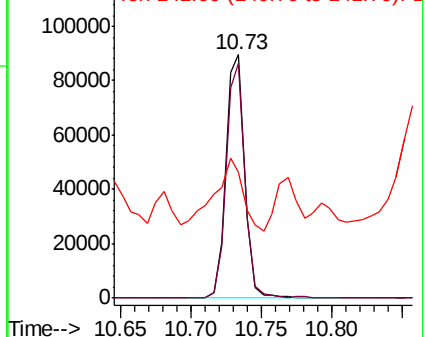
141 46.3 31.0 46.6

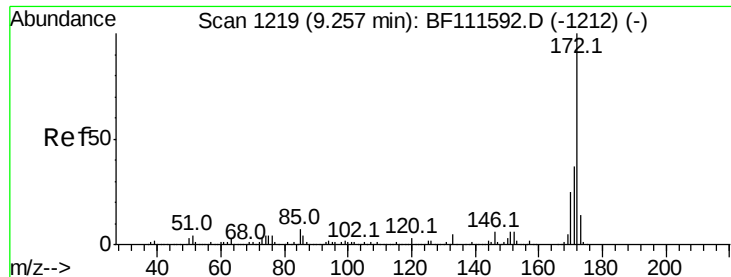


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

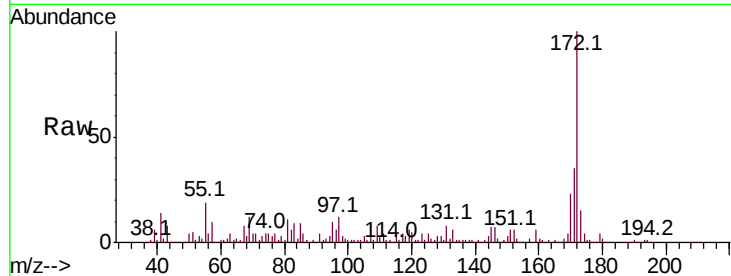
Ion 141.00 (140.70 to 141.70): E



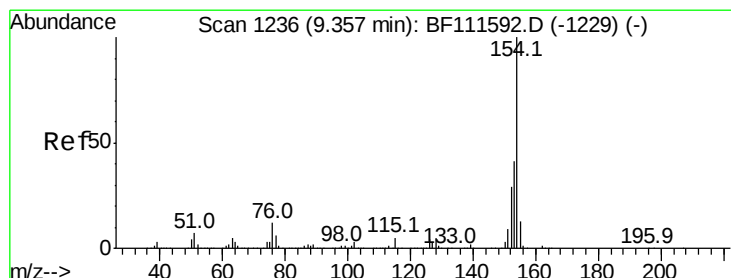
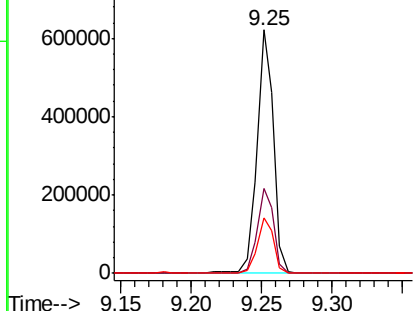
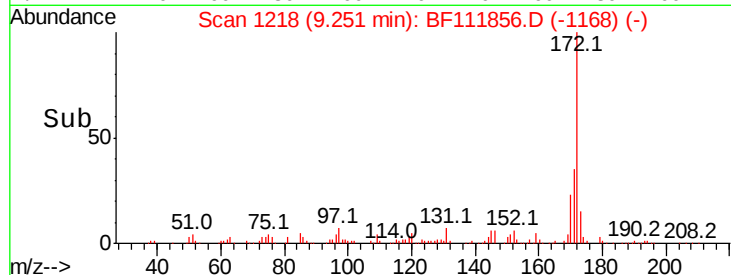


#45
2-Fluorobiphenyl
Concen: 27.391 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tot Ion:172 Resp: 512325
Ion Ratio Lower Upper
172 100
171 35.0 33.0 49.4
170 22.6 22.3 33.5

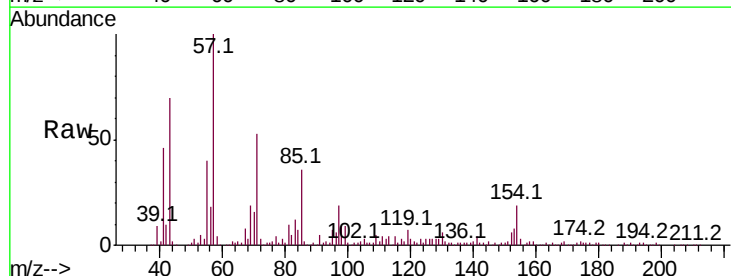


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

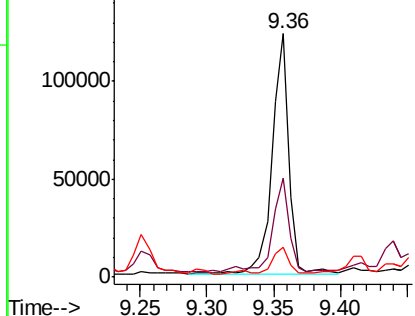
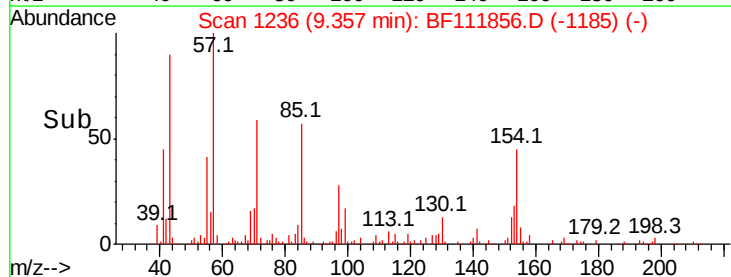


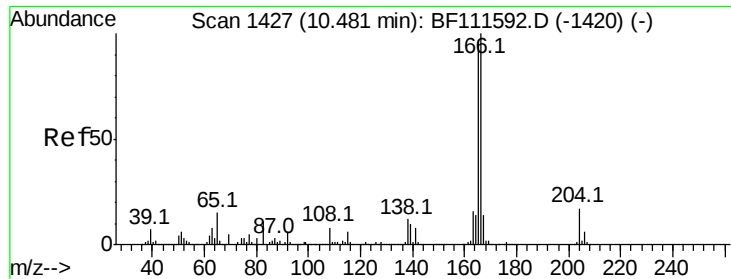
#46
1,1'-Biphenyl
Concen: 4.653 ng
RT: 9.36 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tgt Ion:154 Resp: 107075
Ion Ratio Lower Upper
154 100
153 40.8 23.7 63.7
76 12.1 0.0 35.0



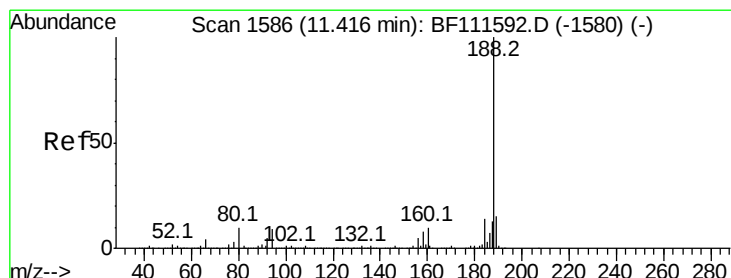
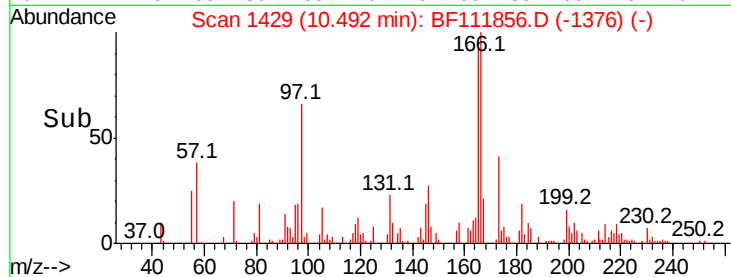
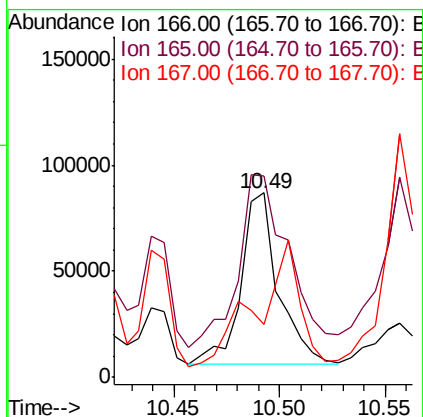
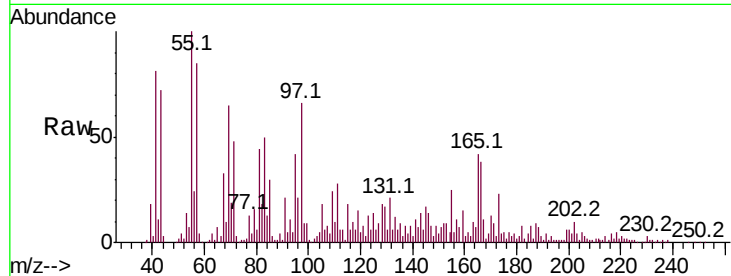
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





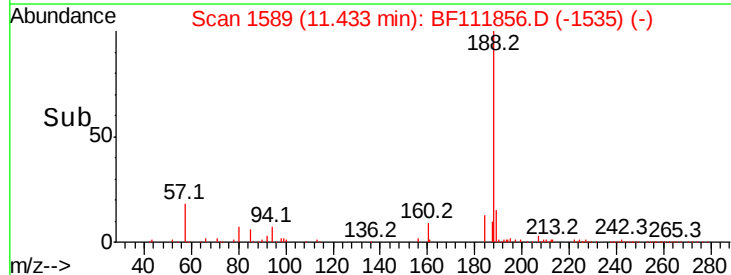
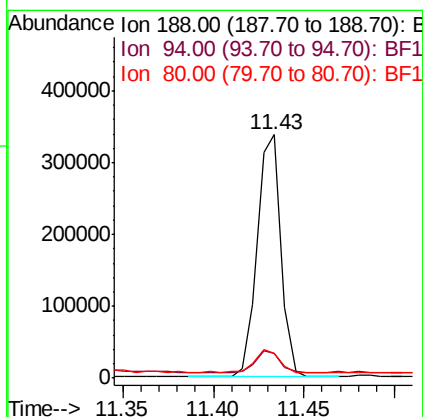
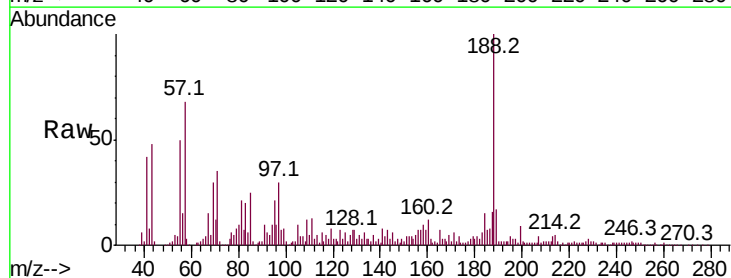
#58
 Fluorene
 Concen: 5.620 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.01 min
 Lab File: BF111856.D
 Acq: 4 Jan 2019 20:30

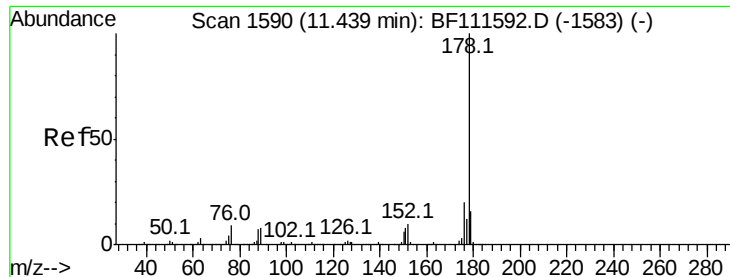
Tot Ion	Ratio	Lower	Upper
166	100		
165	109.3	78.4	117.6
167	29.0	11.2	16.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.02 min
 Lab File: BF111856.D
 Acq: 4 Jan 2019 20:30

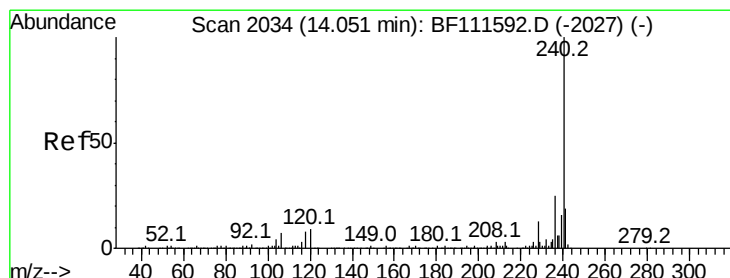
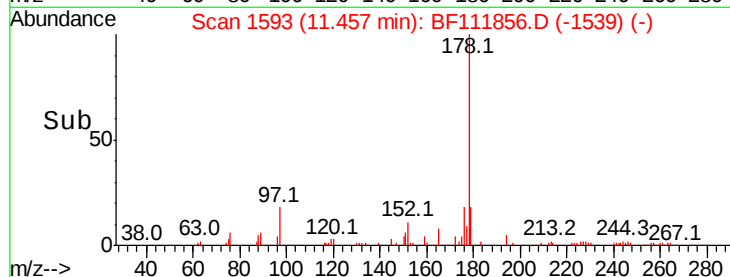
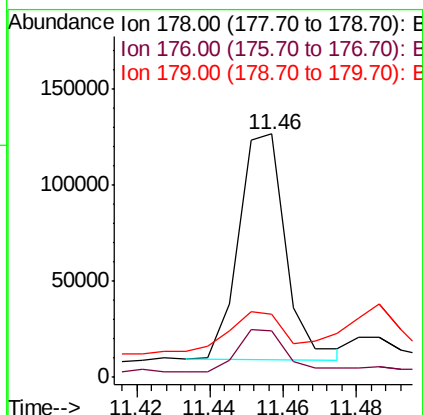
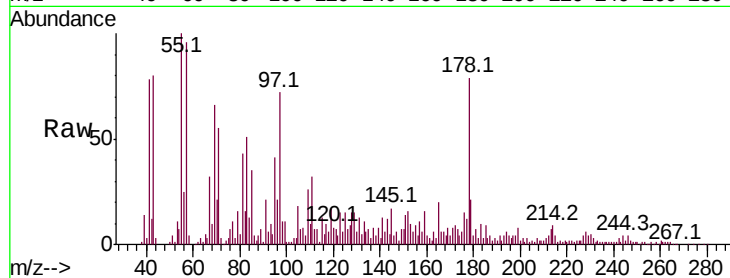
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.6	14.4
80	10.4	9.8	14.6





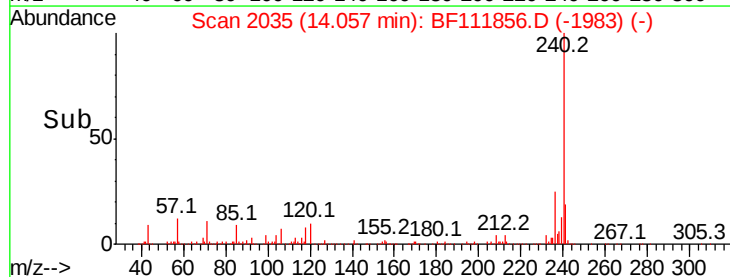
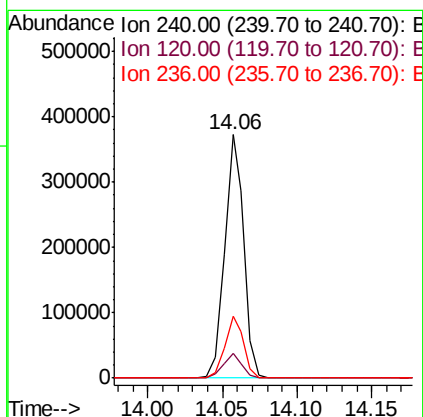
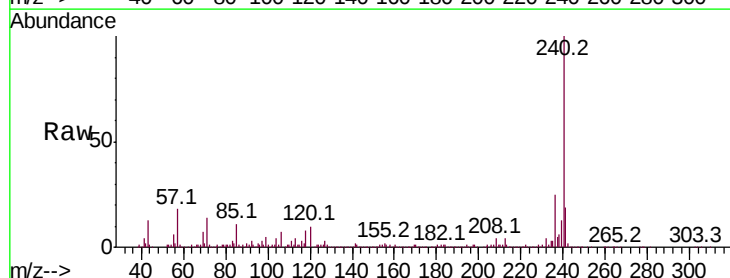
#71
Phenanthrene
Concen: 6.493 ng m
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

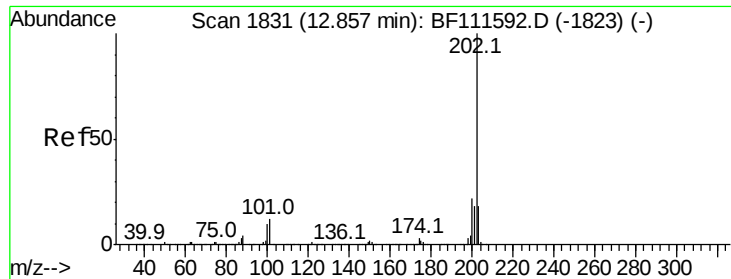
Tot Ion:178 Resp: 106300
Ion Ratio Lower Upper
178 100
176 19.2 18.1 27.1
179 26.0 14.0 21.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF111856.D
Acq: 4 Jan 2019 20:30

Tgt Ion:240 Resp: 335939
Ion Ratio Lower Upper
240 100
120 10.4 12.2 18.2#
236 25.2 20.2 30.2





#78

Pvrene

Concen: 2.053 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

Lab File: BF111856.D

Acq: 4 Jan 2019 20:30

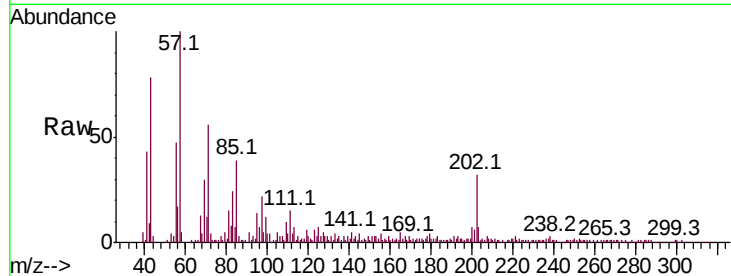
Tot Ion:202 Resp: 48698

Ion Ratio Lower Upper

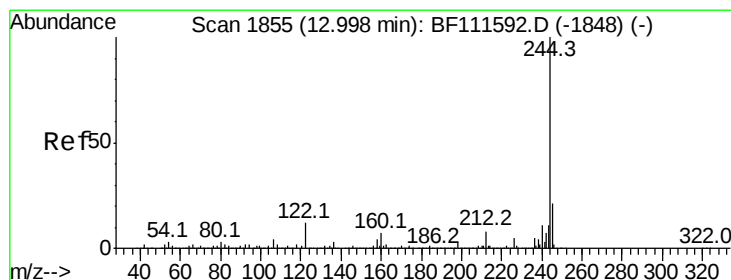
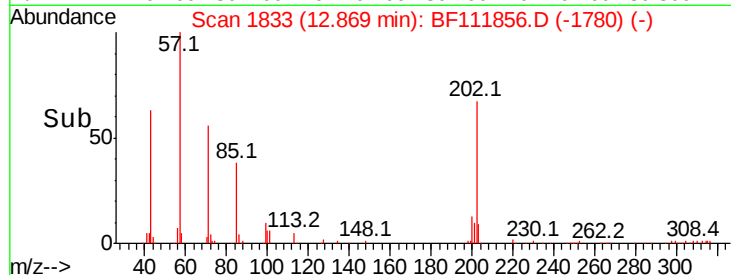
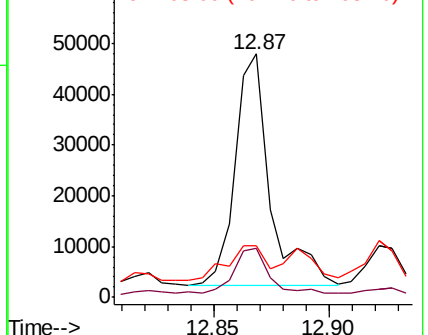
202 100

200 20.3 19.0 28.4

203 21.0 15.2 22.8



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



#79

Terphenyl-d14

Concen: 19.332 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111856.D

Acq: 4 Jan 2019 20:30

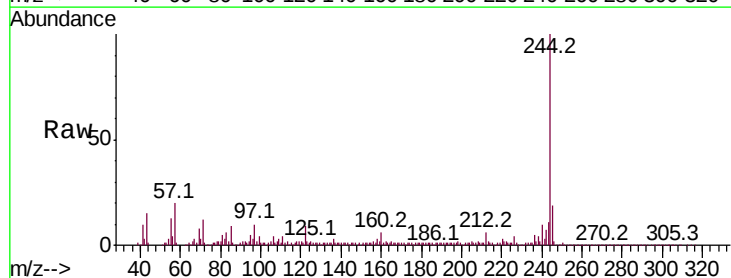
Tgt Ion:244 Resp: 342455

Ion Ratio Lower Upper

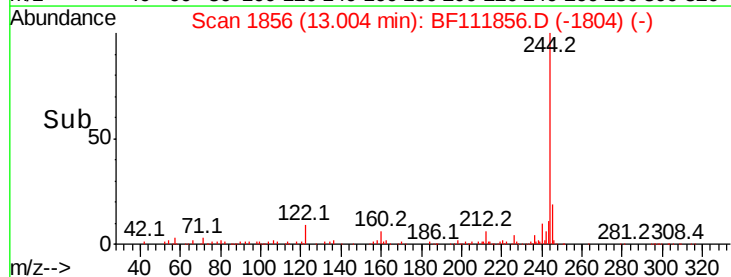
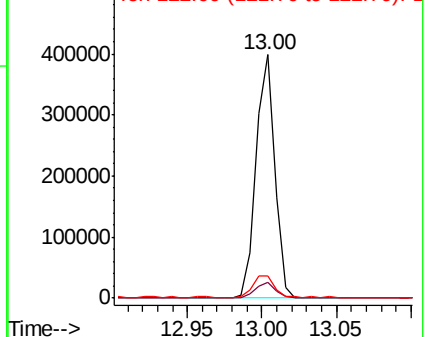
244 100

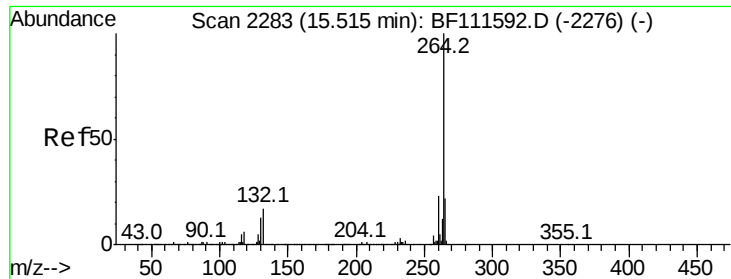
212 6.3 5.7 8.5

122 9.2 13.1 19.7#



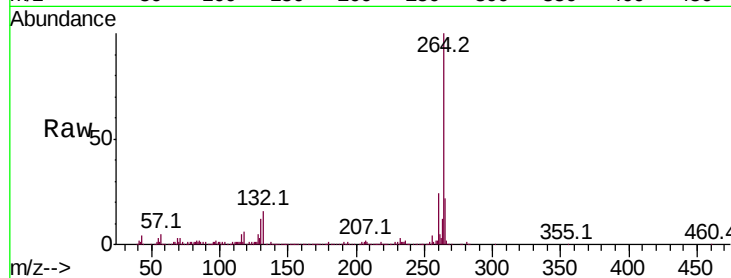
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.02 min
 Lab File: BF111856.D
 Acq: 4 Jan 2019 20:30

Tot Ion:	264	Resp:	295992
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.0	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

