

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108737.D
 Acq On : 4 Sep 2018 13:40
 Operator : JU/SJ
 Sample : J4726-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 14:33:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	72091	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	277873	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	116648	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	228041	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	239294	20.00	ng	-0.01
86) Perylene-d12	15.75	264	209640	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	360504	86.87	ng	-0.02
7) Phenol-d6	6.62	99	547149	92.06	ng	-0.02
23) Nitrobenzene-d5	7.55	82	349783	63.89	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	117377	76.22	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	548522	63.23	ng	-0.02
78) Terphenyl-d14	13.11	244	574251	46.63	ng	-0.02

Target Compounds

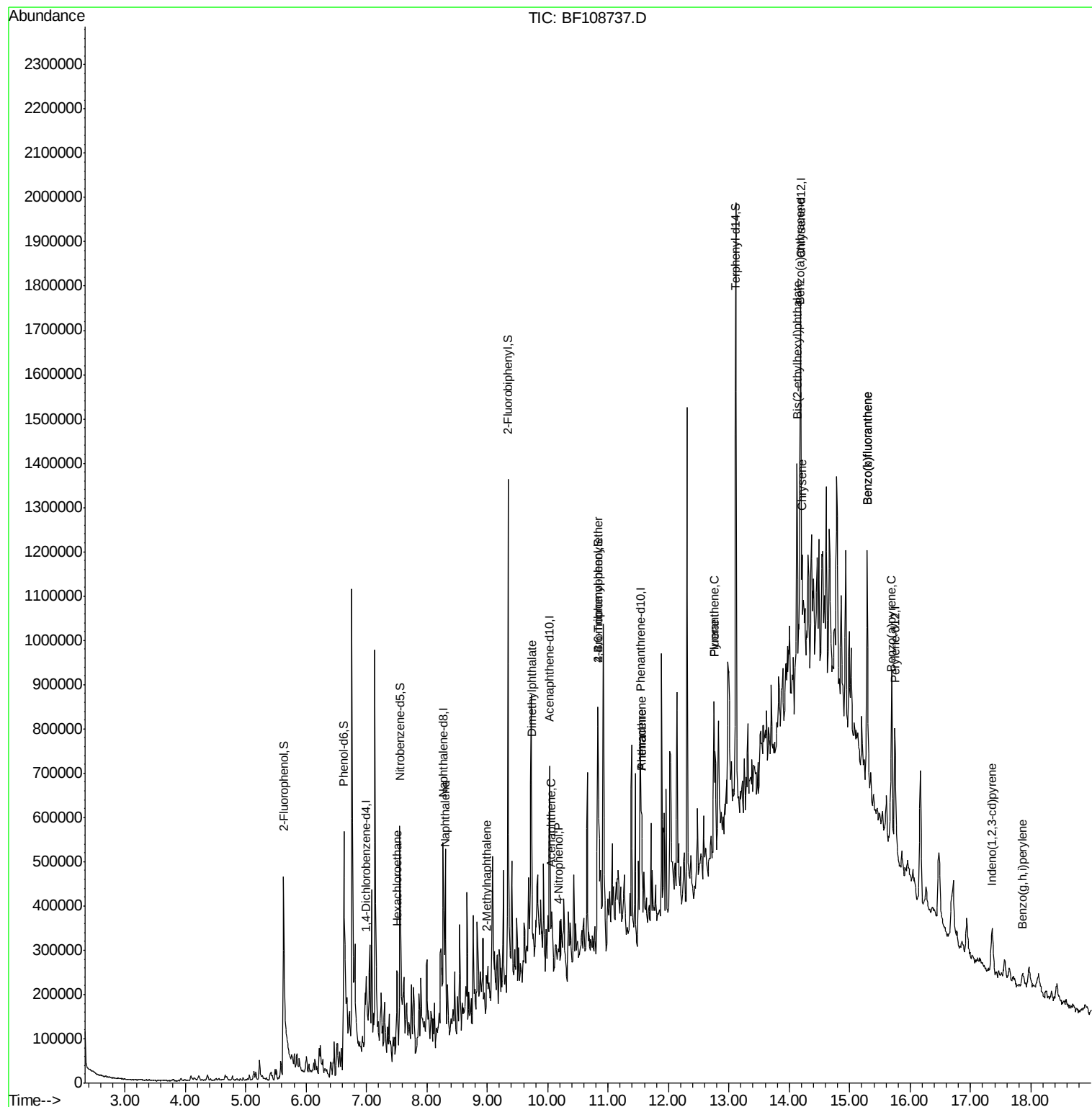
						Qvalue
18) Hexachloroethane	7.51	117	8838	4.002	ng	# 1
31) Naphthalene	8.30	128	34905	2.637	ng	# 94
37) 2-Methylnaphthalene	8.99	142	50428	5.631	ng	# 93
49) Dimethylphthalate	9.74	163	79892	8.698	ng	# 98
51) Acenaphthene	10.07	154	14558	2.092	ng	# 84
55) 4-Nitrophenol	10.17	139	700	5.231	ng	# 1
66) 4-Bromophenyl-phenylether	10.83	248	7406	2.642	ng	# 1
70) Phenanthrene	11.55	178	120251	10.447	ng	98
71) Anthracene	11.55	178	120251	9.943	ng	98
74) Fluoranthene	12.75	202	210019	16.210	ng	93
77) Pyrene	12.75	202	210019	11.675	ng	98
80) Benzo(a)anthracene	14.18	228	123210	8.446	ng	96
82) Chrysene	14.21	228	106365	7.582	ng	97
83) Bis(2-ethylhexyl)phthalate	14.12	149	156117	16.057	ng	99
85) Indeno(1,2,3-cd)pyrene	17.37	276	37201	3.814	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	160603	12.471	ng	# 90
88) Benzo(k)fluoranthene	15.28	252	160603	12.589	ng	# 93
89) Benzo(a)pyrene	15.68	252	83914	7.210	ng	# 89
91) Benzo(a,h,i)perylene	17.86	276	37309	4.130	ng	91

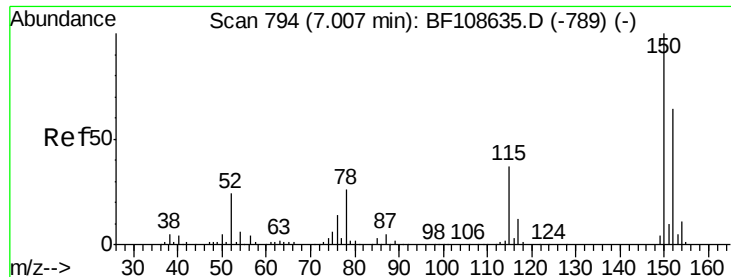
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108737.D
Acq On : 4 Sep 2018 13:40
Operator : JU/SJ
Sample : J4726-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 04 14:33:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration



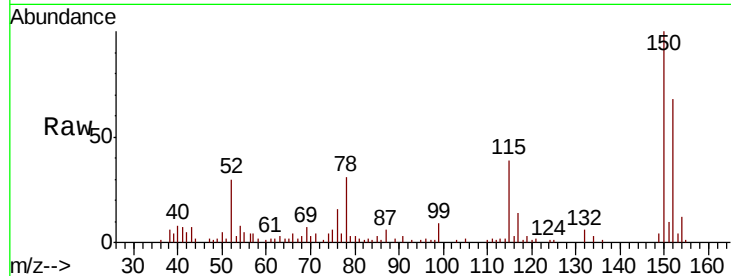


#1

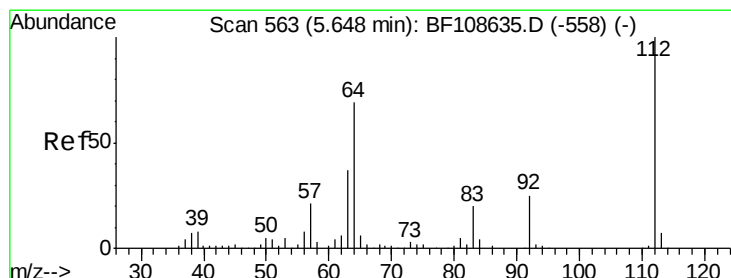
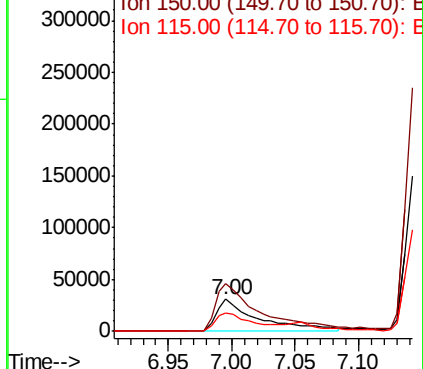
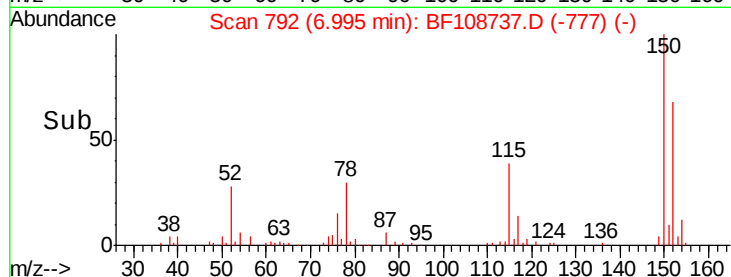
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72091
Ion Ratio Lower Upper
152 100
150 147.4 124.6 186.8
115 57.9 50.1 75.1



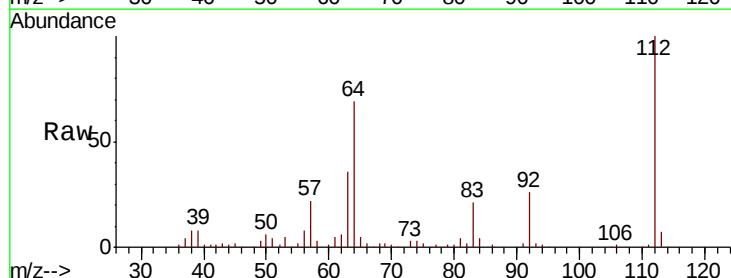
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



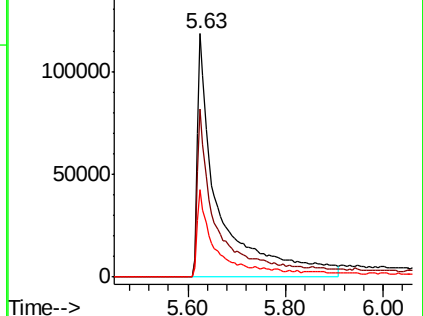
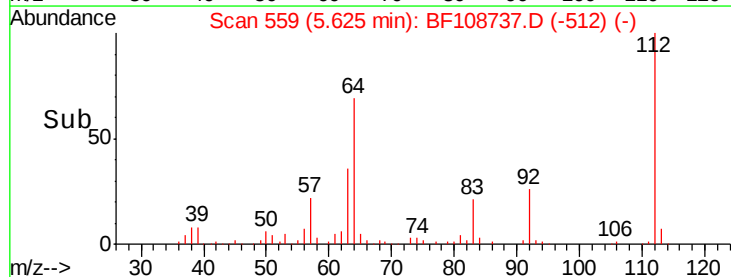
#5

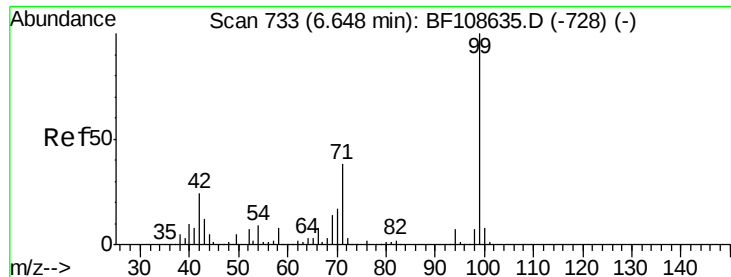
2-Fluorophenol
Concen: 86.872 ng
RT: 5.63 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion:112 Resp: 360504
Ion Ratio Lower Upper
112 100
64 69.0 47.9 71.9
63 36.2 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: 92.056 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampleId :

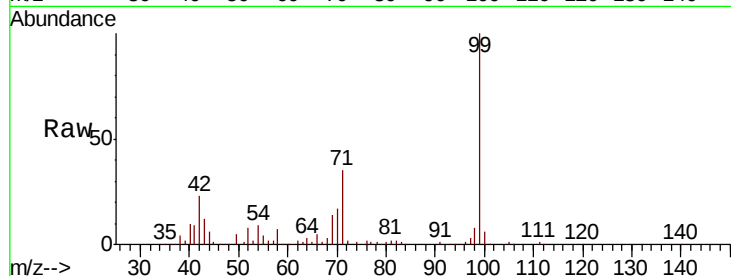
Tot Ion: 99 Resp: 547149

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

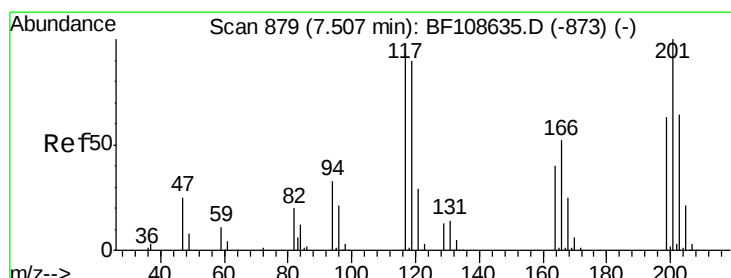
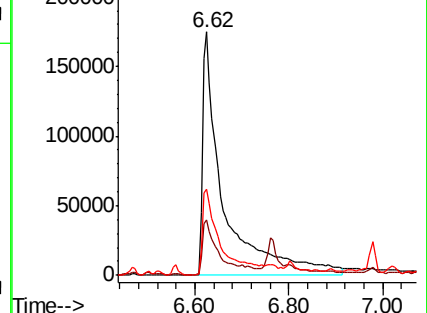
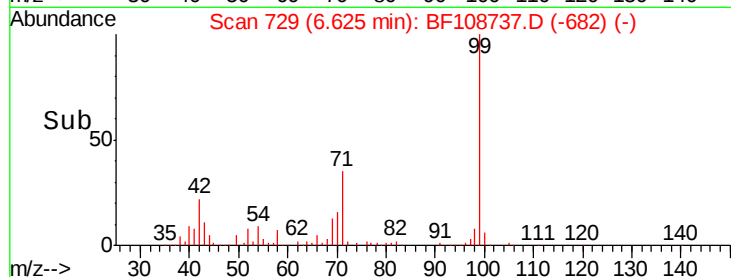
71 35.3 25.4 38.0



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



#18

Hexachloroethane

Concen: 4.002 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.01 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

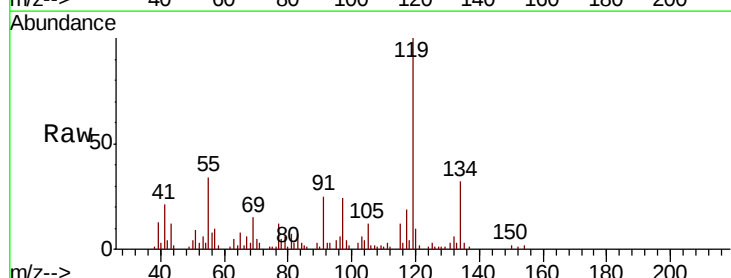
Tgt Ion: 117 Resp: 8838

Ion Ratio Lower Upper

117 100

119 518.9 75.8 113.8#

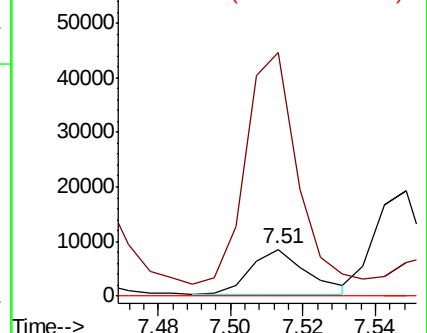
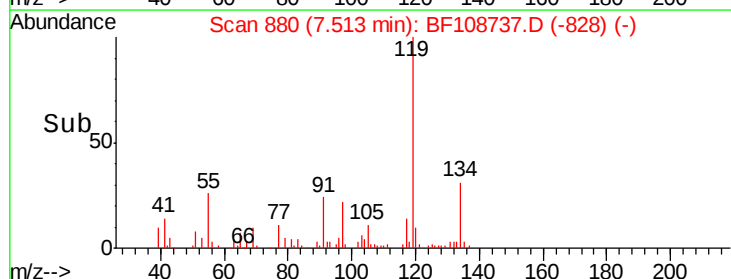
201 0.0 75.7 113.5#

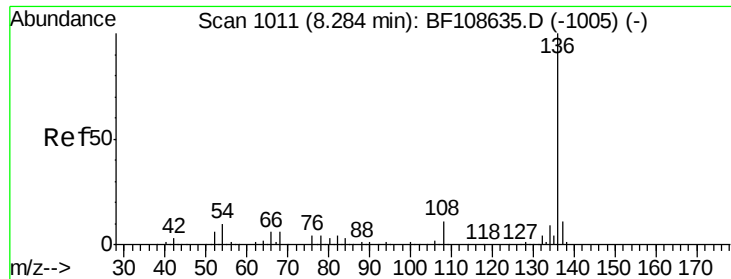


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 277873

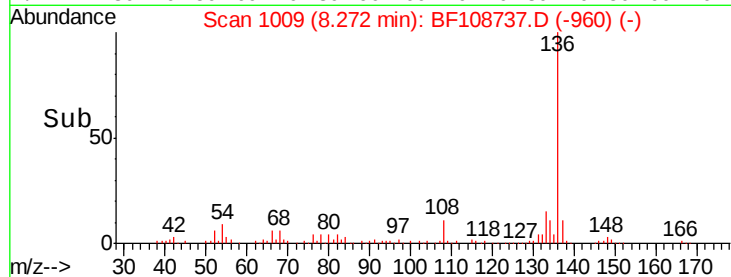
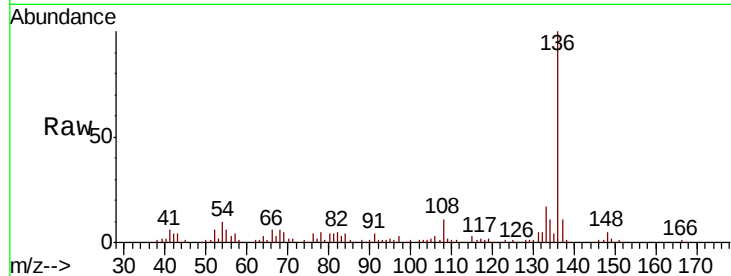
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.9 6.6 9.8#

68 6.2 5.0 7.4

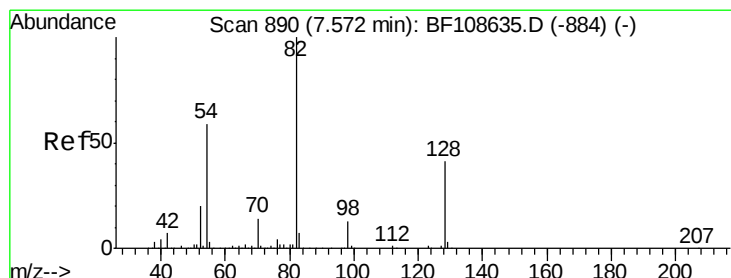
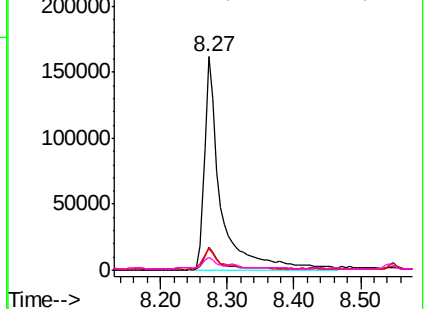


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.894 ng

RT: 7.55 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

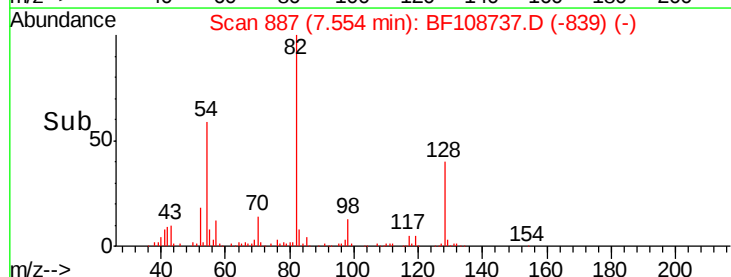
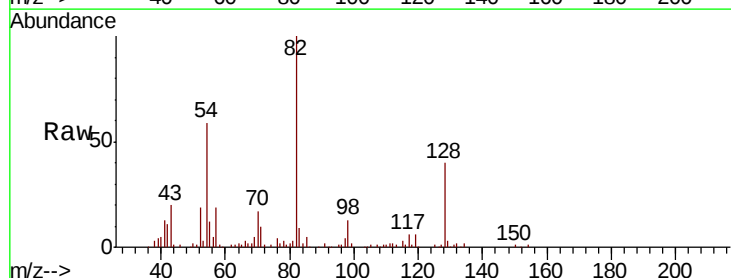
Tgt Ion: 82 Resp: 349783

Ion Ratio Lower Upper

82 100

128 39.6 36.1 54.1

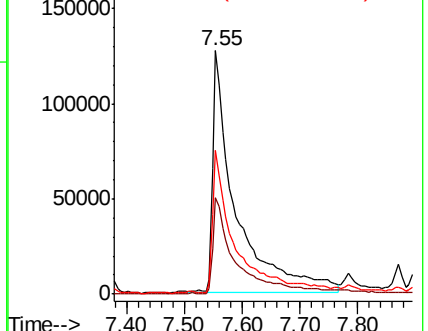
54 59.0 41.4 62.2

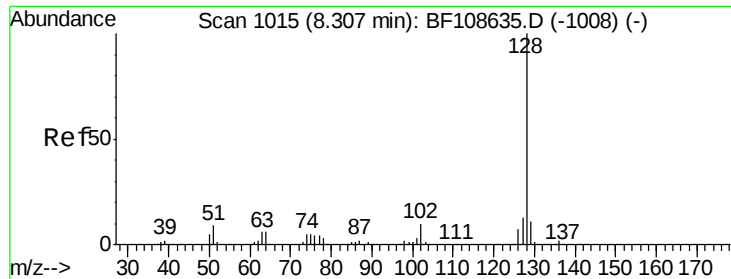


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

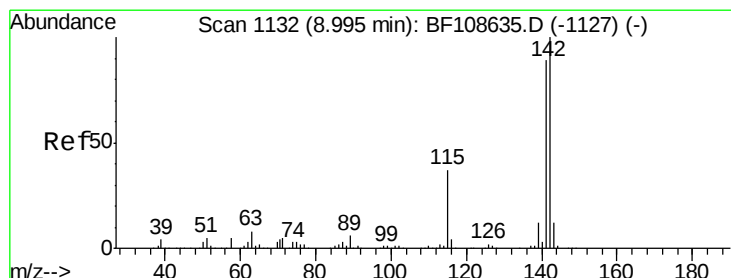
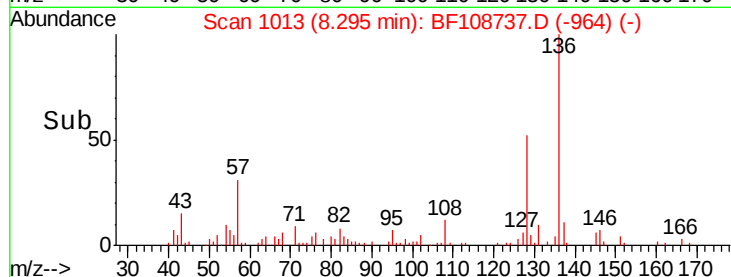
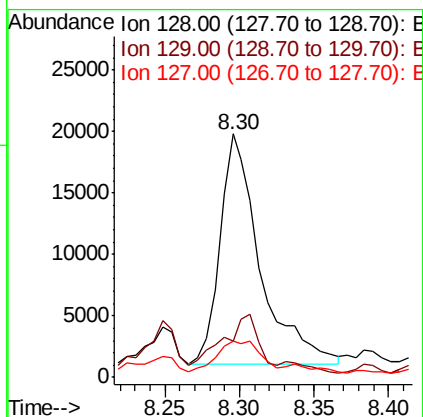
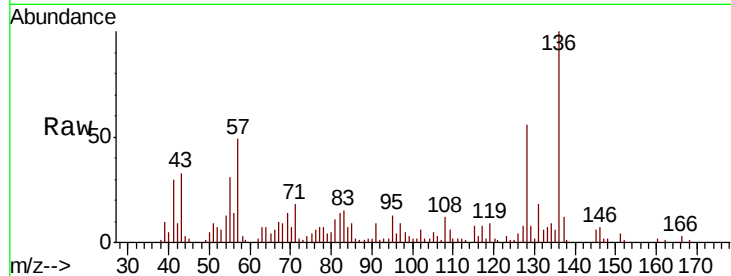




#31
Naphthalene
Concen: 2.637 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

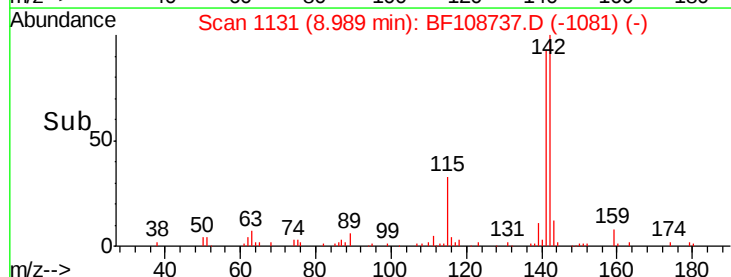
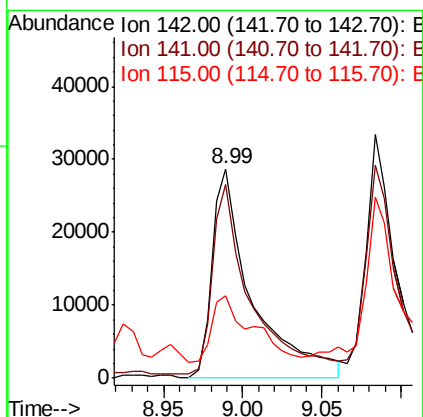
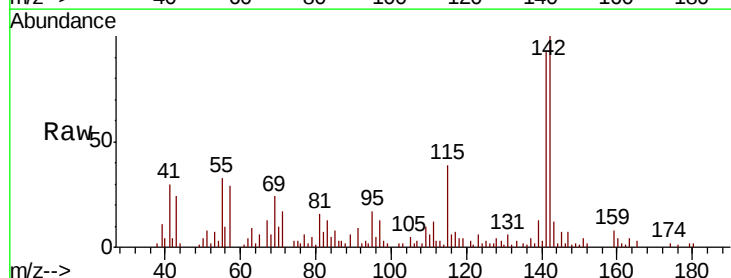
Instrument :
BNA_F
ClientSampleId :

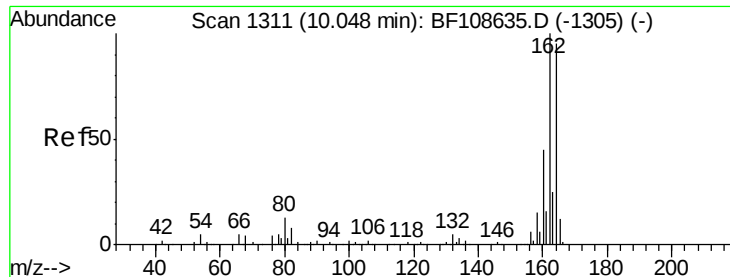
Tot Ion:128 Resp: 34905
Ion Ratio Lower Upper
128 100
129 14.9 8.8 13.2#
127 14.7 10.9 16.3



#37
2-Methylnaphthalene
Concen: 5.631 ng
RT: 8.99 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion:142 Resp: 50428
Ion Ratio Lower Upper
142 100
141 92.9 70.8 106.2
115 39.2 26.1 39.1#

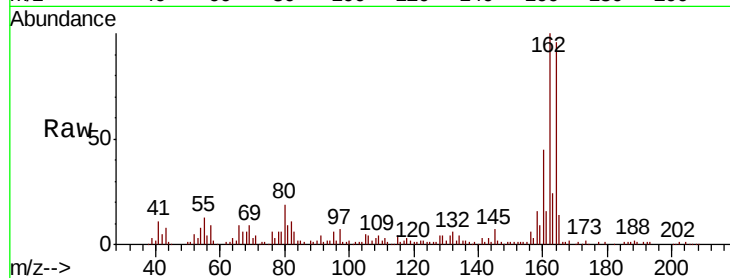




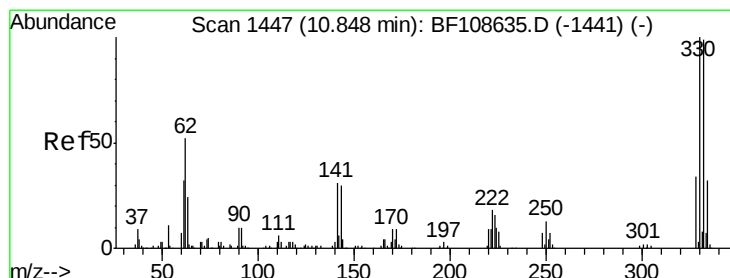
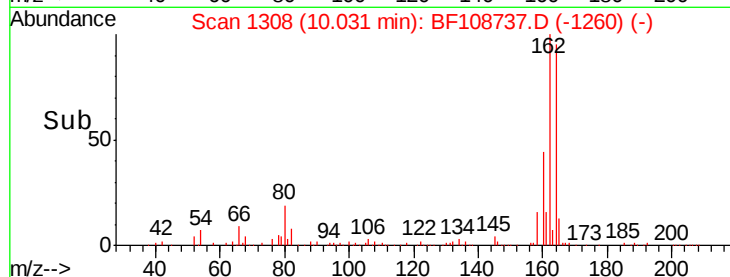
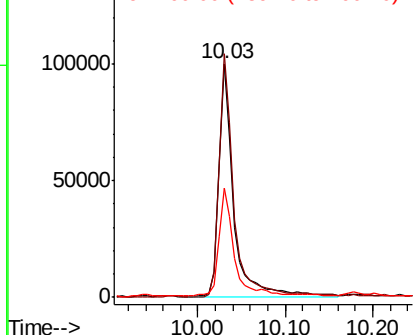
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 116648
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 46.8 38.3 57.5

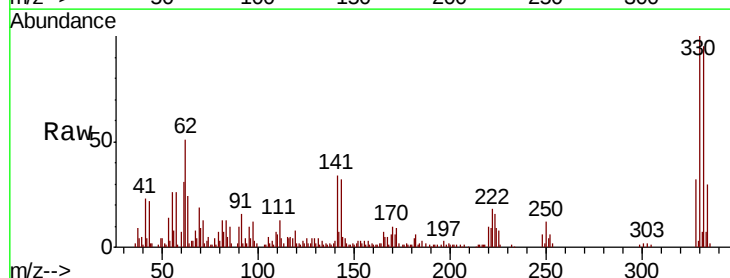


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

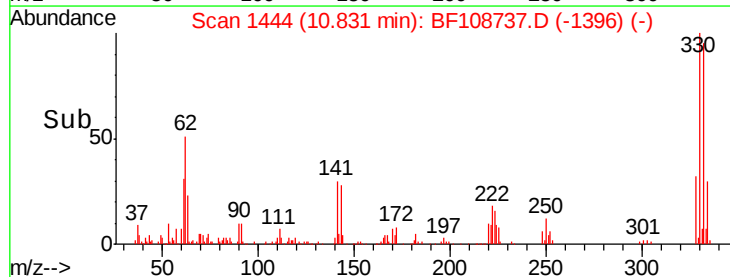
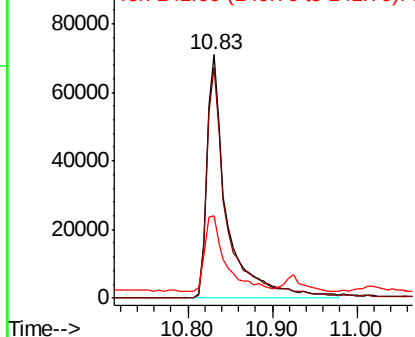


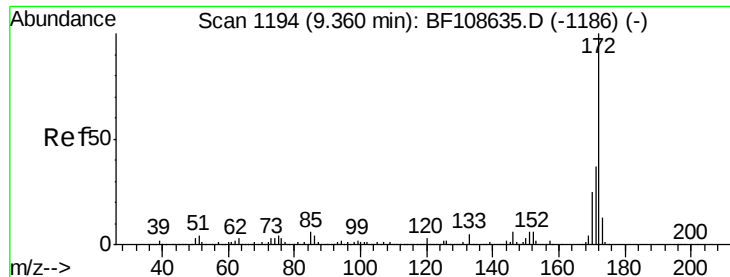
#41
2,4,6-Tribromophenol
Concen: 76.224 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion:330 Resp: 117377
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 32.9 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

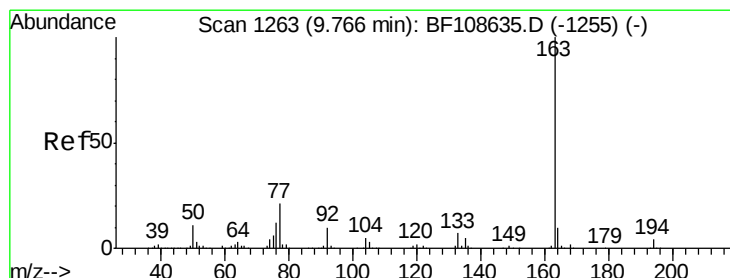
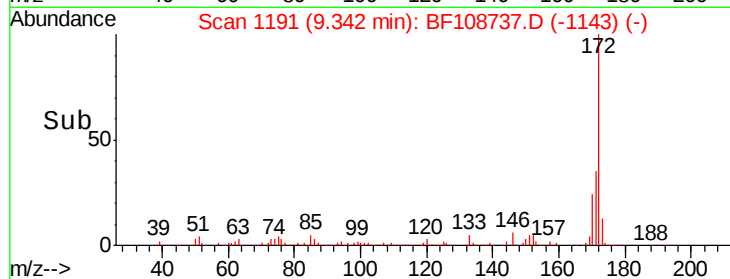
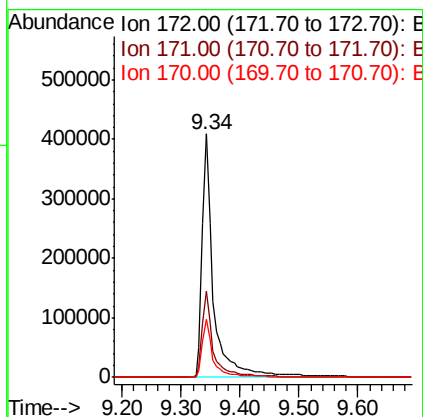
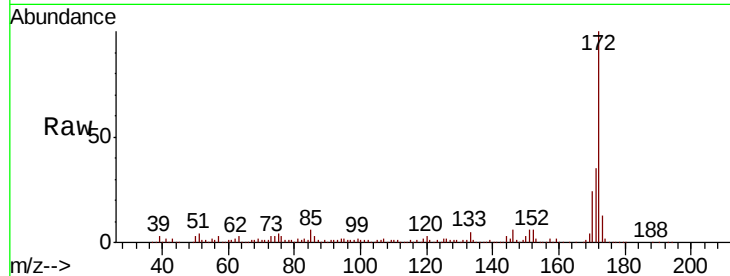




#44
2-Fluorobiphenyl
Concen: 63.227 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

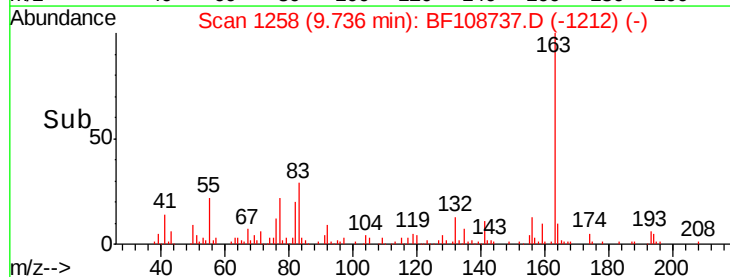
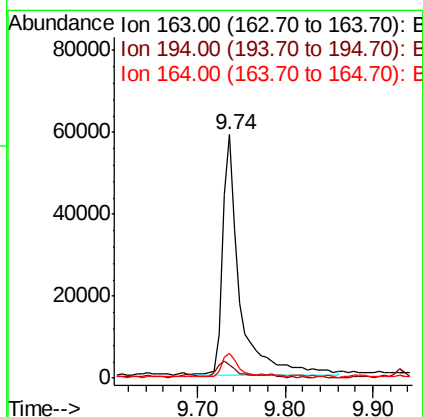
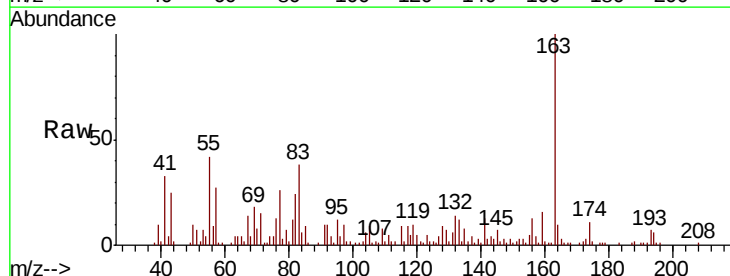
Instrument :
BNA_F
ClientSampled :

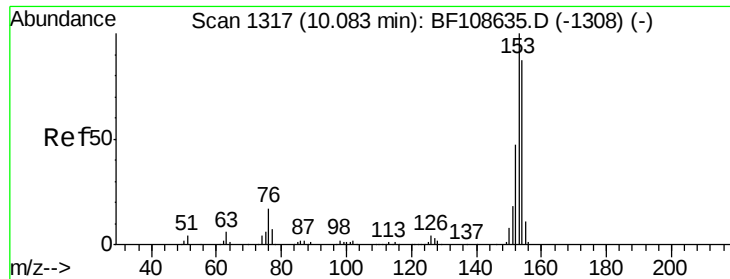
Tot Ion:172 Resp: 548522
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 23.8 19.6 29.4



#49
Dimethylphthalate
Concen: 8.698 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion:163 Resp: 79892
Ion Ratio Lower Upper
163 100
194 5.5 2.7 4.1#
164 9.9 8.2 12.2





#51

Acenaphthene

Concen: 2.092 ng

RT: 10.07 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampleId :

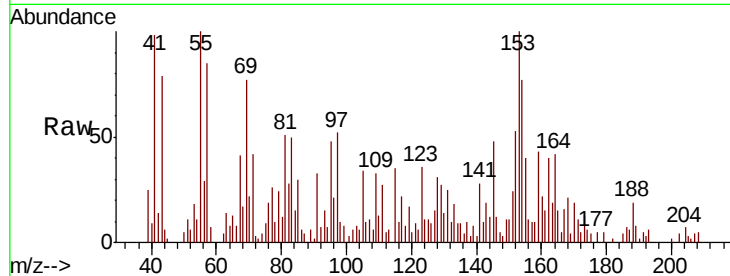
Tot Ion:154 Resp: 14558

Ion Ratio Lower Upper

154 100

153 129.6 91.2 136.8

152 68.4 43.8 65.8#

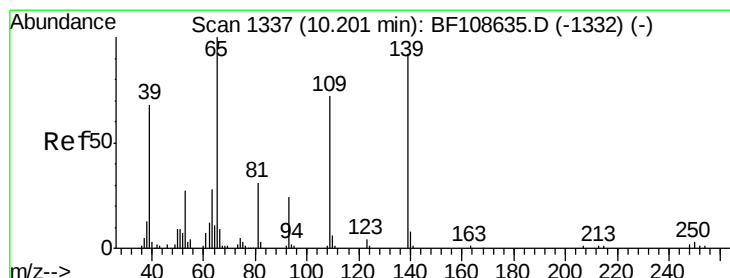
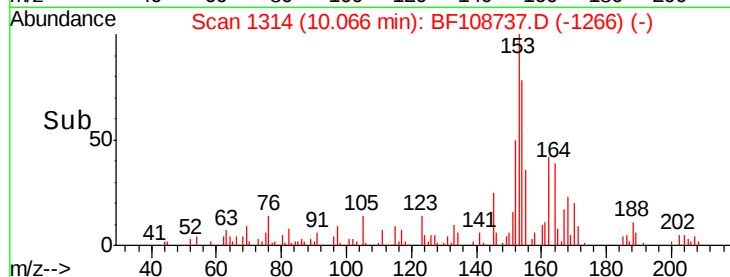
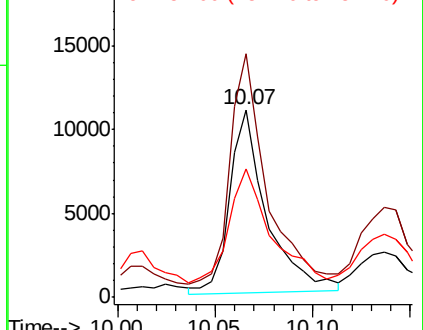


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 5.231 ng

RT: 10.17 min Scan# 1332

Delta R.T. -0.03 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

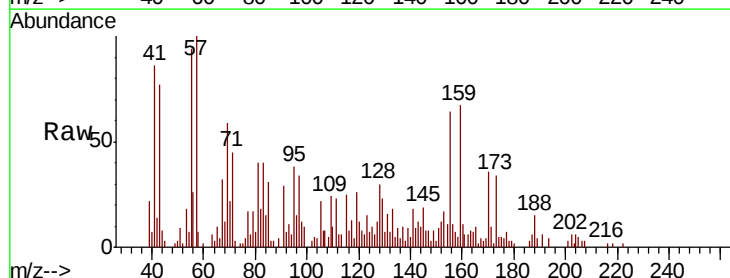
Tgt Ion:139 Resp: 700

Ion Ratio Lower Upper

139 100

109 272.7 48.4 88.4#

65 112.4 72.6 112.6

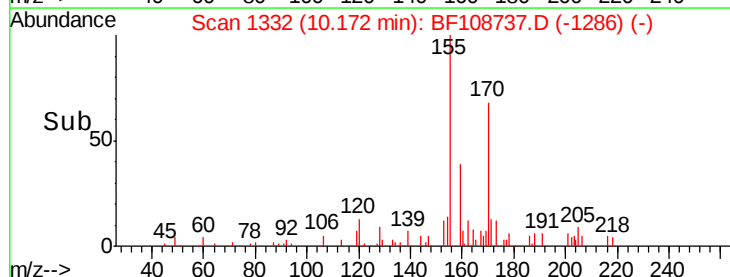
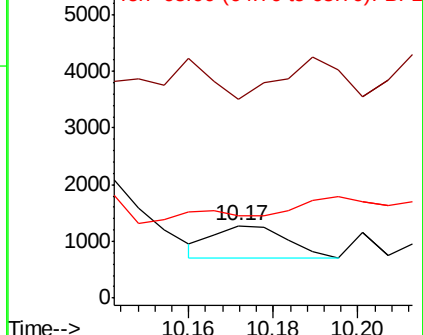


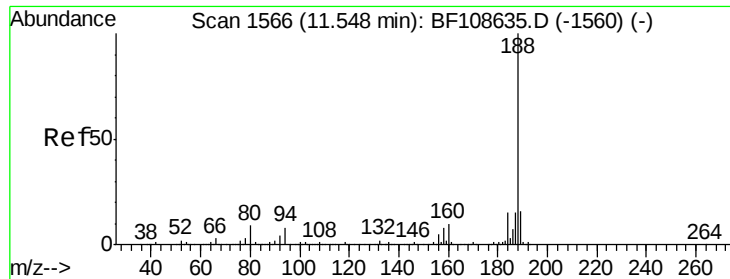
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

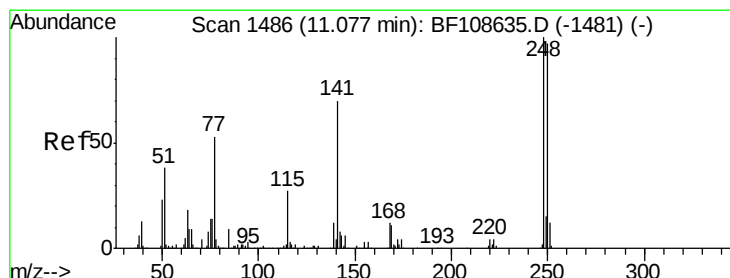
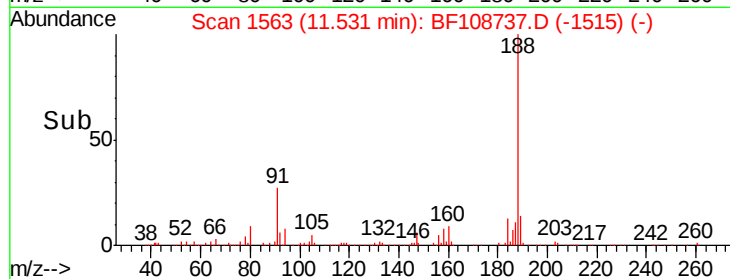
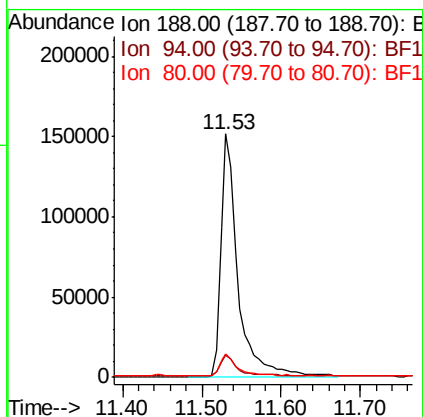
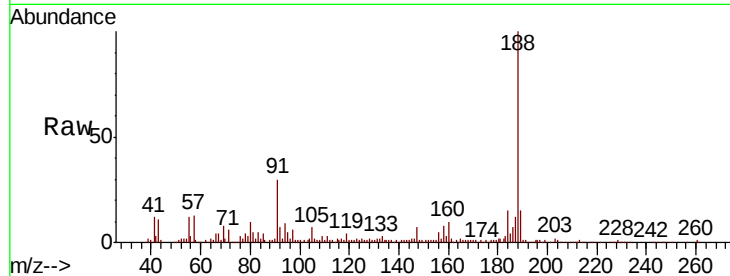




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

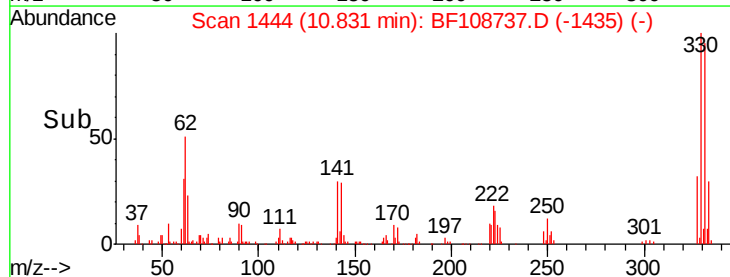
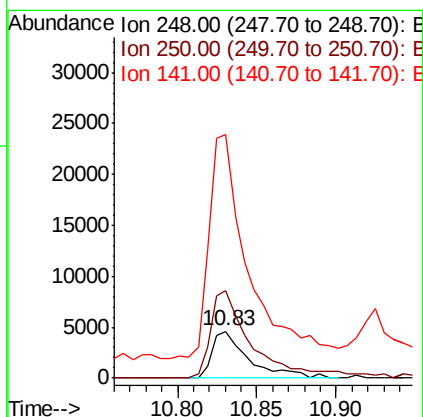
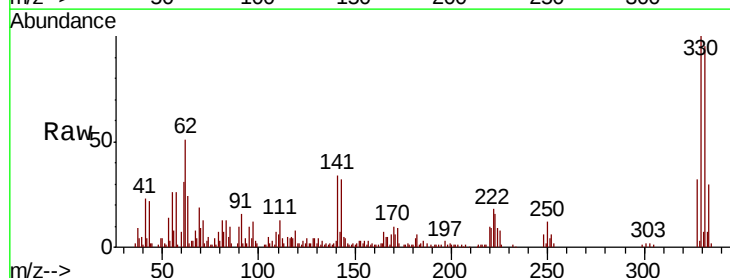
Instrument :
BNA_F
ClientSampleId :

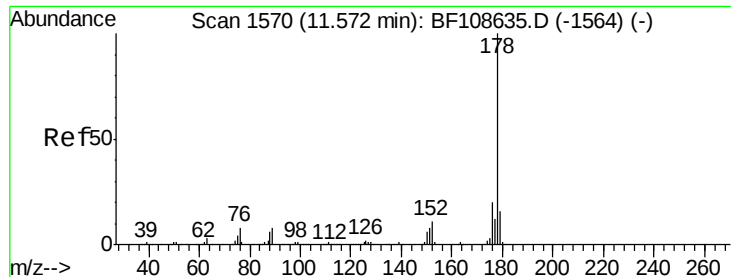
Tot Ion:188 Resp: 228041
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 9.8 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.642 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.25 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion:248 Resp: 7406
Ion Ratio Lower Upper
248 100
250 188.1 76.9 115.3#
141 521.3 74.4 111.6#





#70

Phenanthrene

Concen: 10.447 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampled :

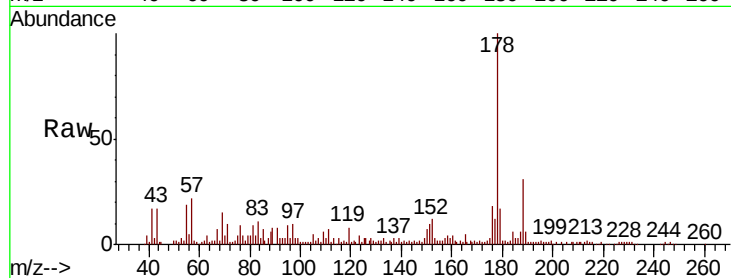
Tot Ion:178 Resp: 120251

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

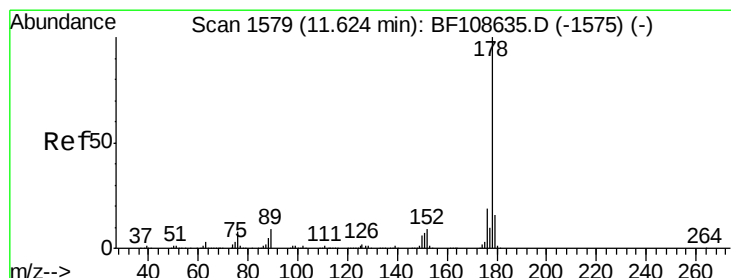
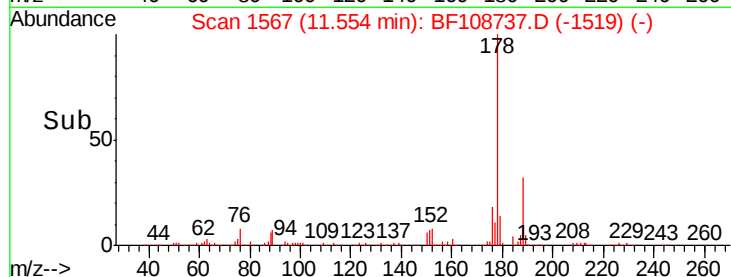
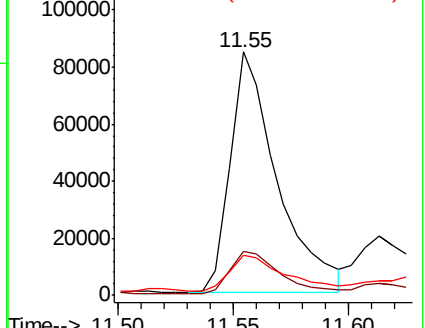
179 16.7 13.0 19.6



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



#71

Anthracene

Concen: 9.943 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.07 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

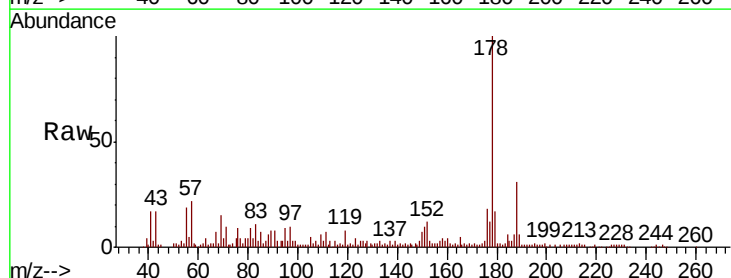
Tgt Ion:178 Resp: 120251

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

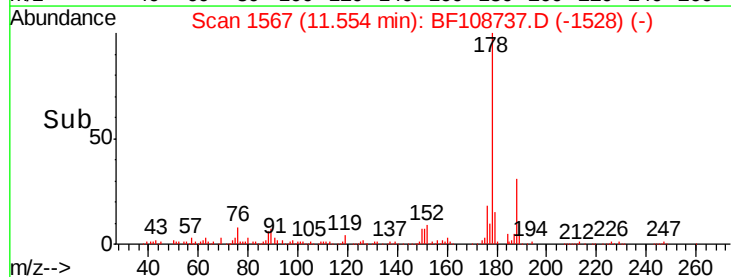
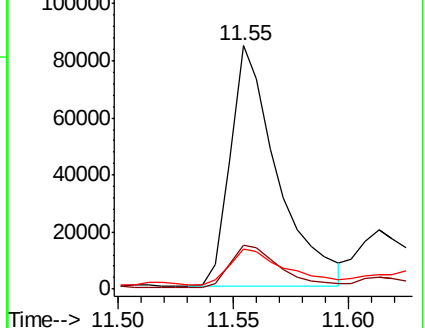
179 16.7 12.6 19.0

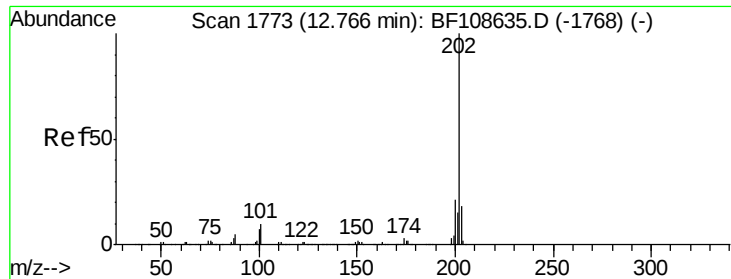


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

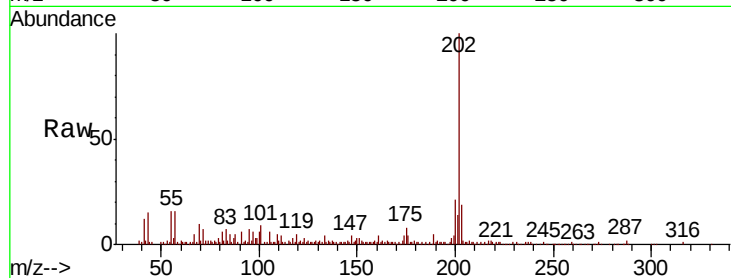




#74
 Fluoranthene
 Concen: 16.210 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	19.3	0.0	38.1

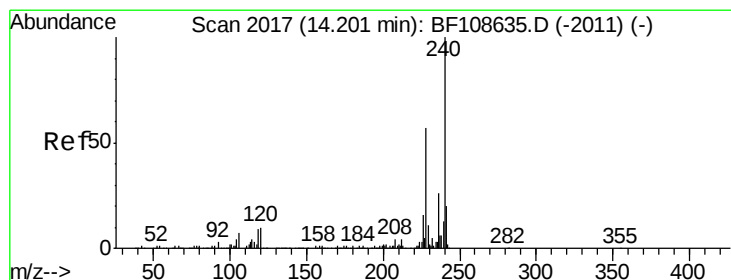
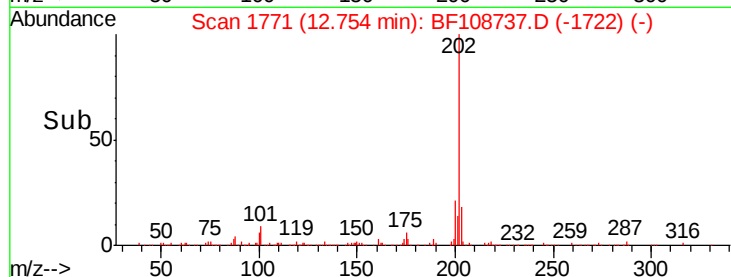
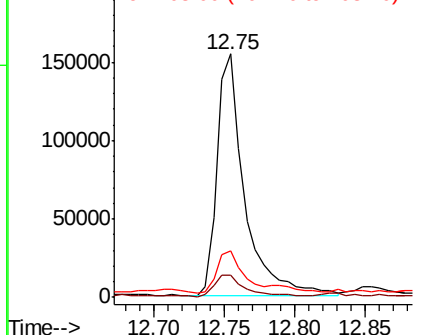


Abundance

Ion 202.00 (201.70 to 202.70): E

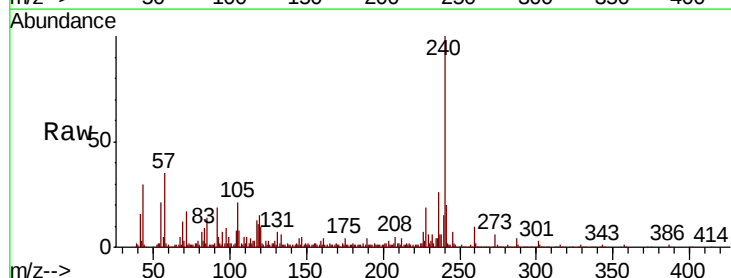
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	9.5	14.3
236	26.0	20.7	31.1

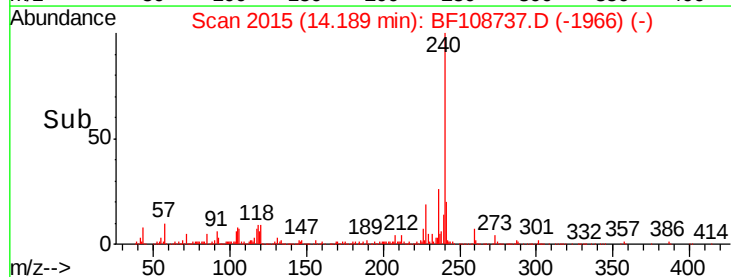
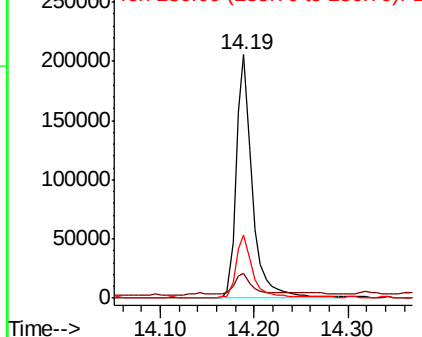


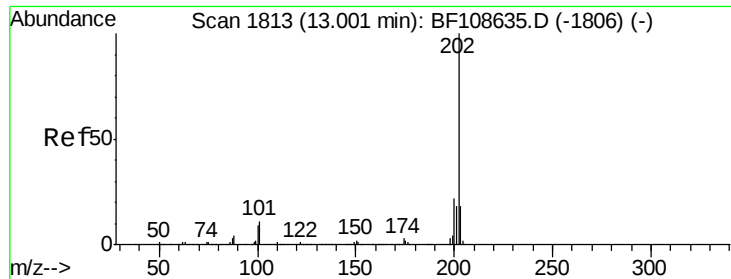
Abundance

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

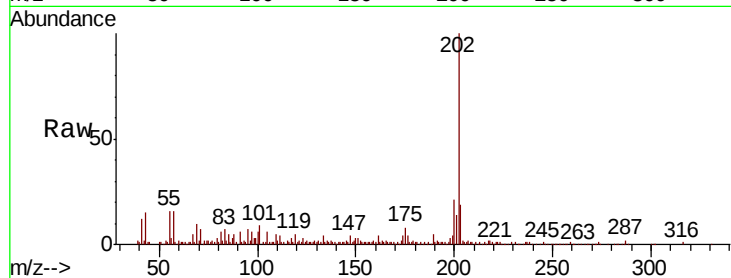




#77
Pvrene
Concen: 11.675 ng
RT: 12.75 min Scan# 1771
Delta R.T. -0.25 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	19.3	14.3	21.5

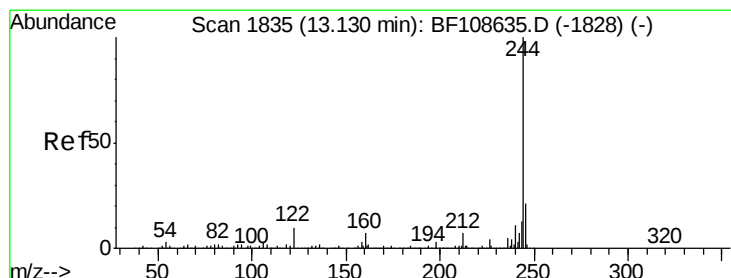
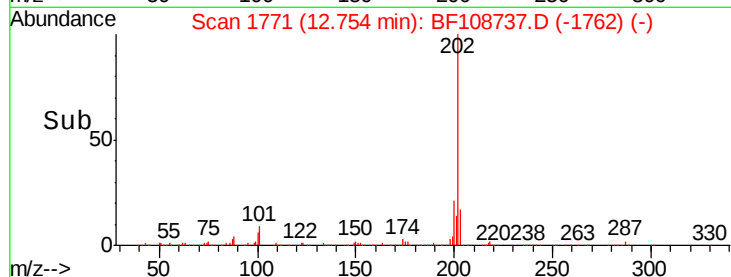
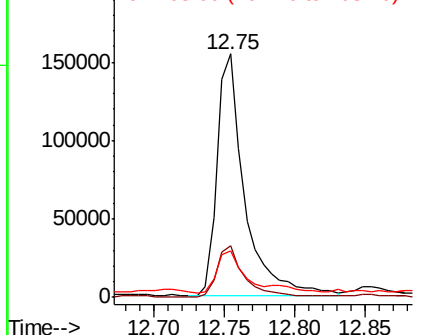


Abundance

Ion 202.00 (201.70 to 202.70): E

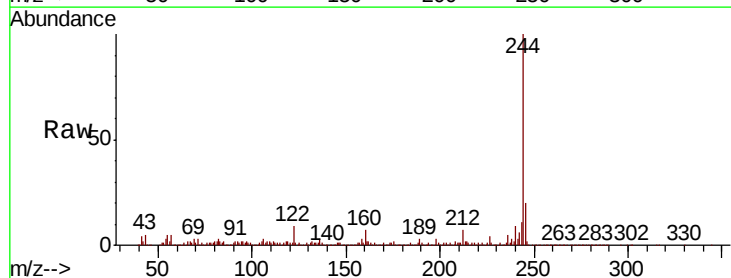
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 46.626 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.1	11.0	16.4

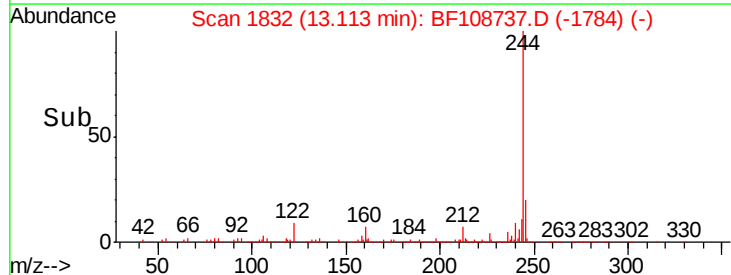
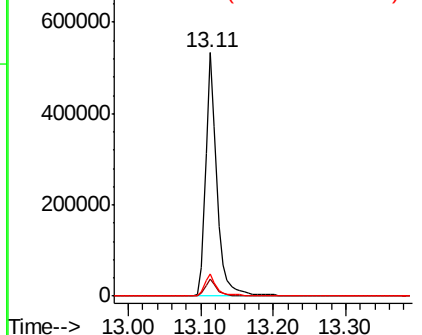


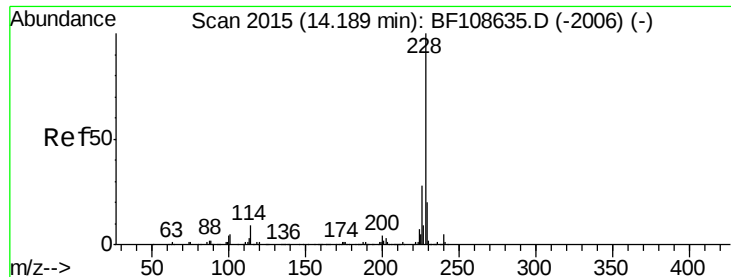
Abundance

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

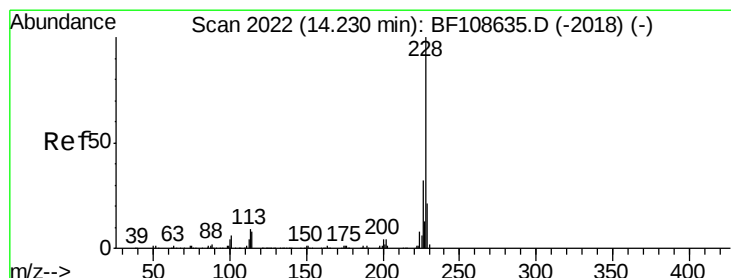
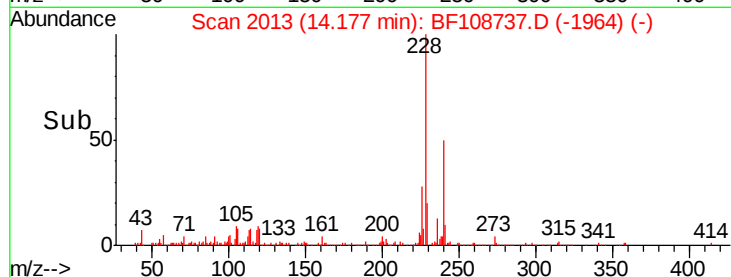
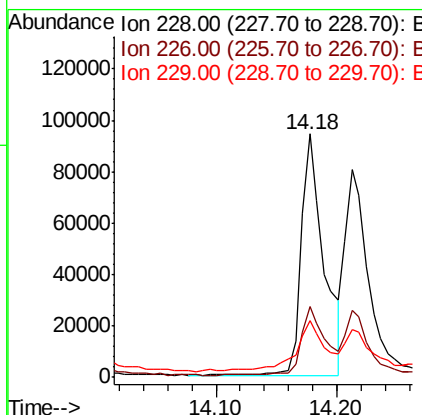
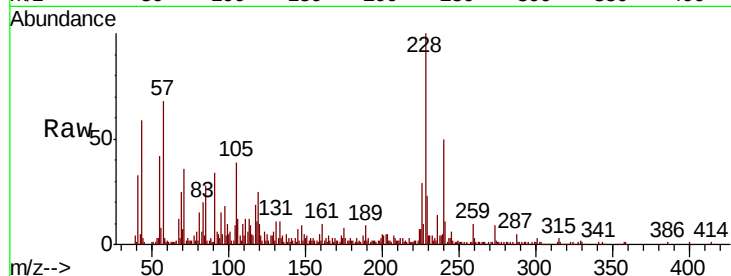




#80
Benzo(a)anthracene
Concen: 8.446 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

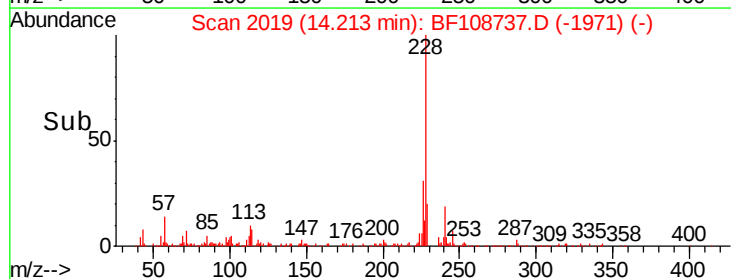
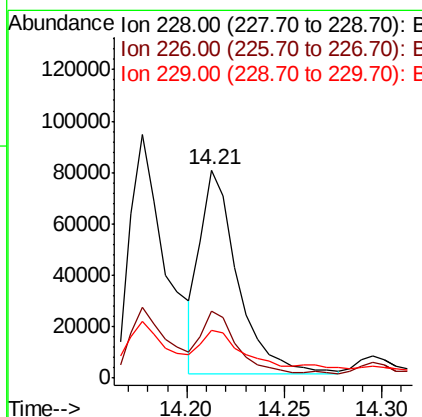
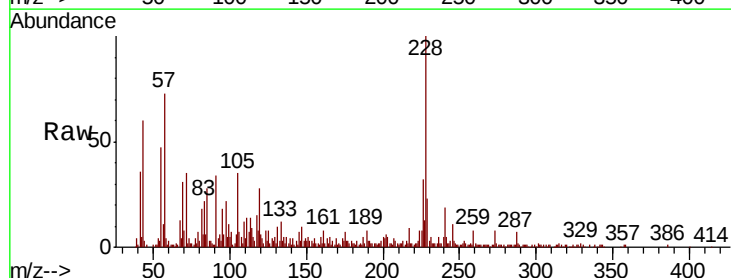
Instrument :
BNA_F
ClientSampleId :

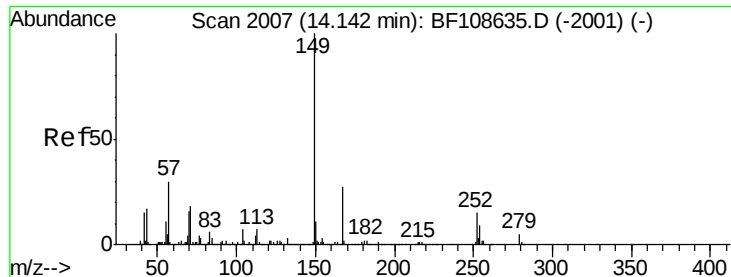
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	23.2	15.8	23.6



#82
Chrysene
Concen: 7.582 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	23.0	16.2	24.4

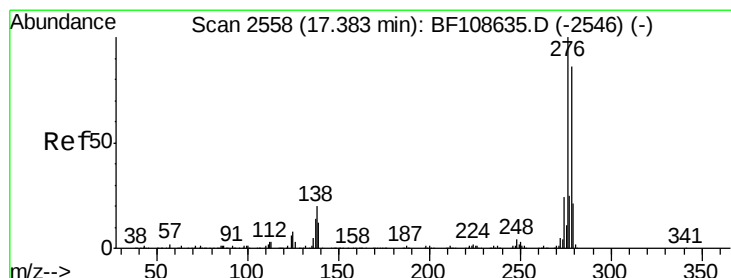
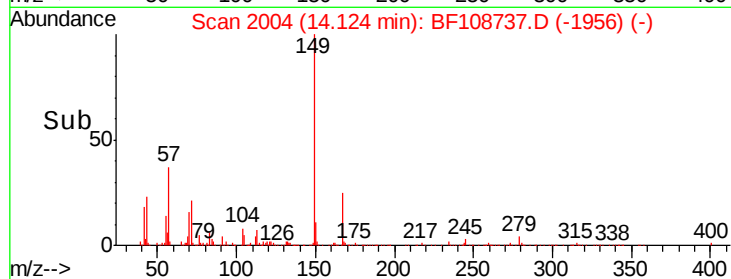
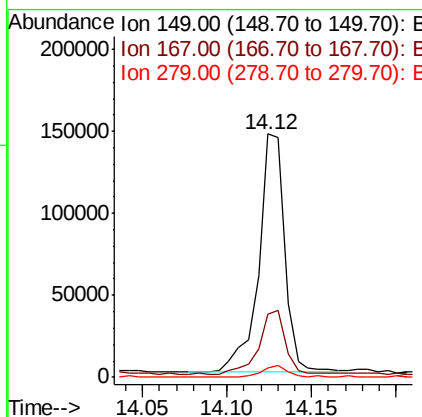
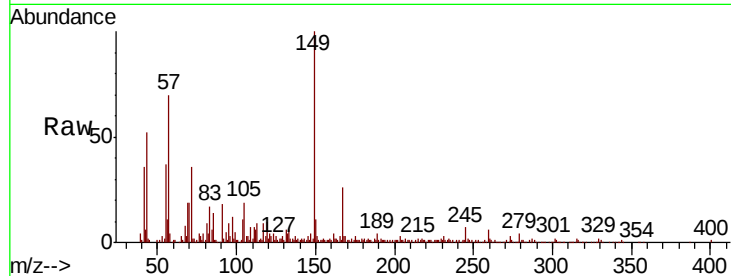




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.057 ng
 RT: 14.12 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

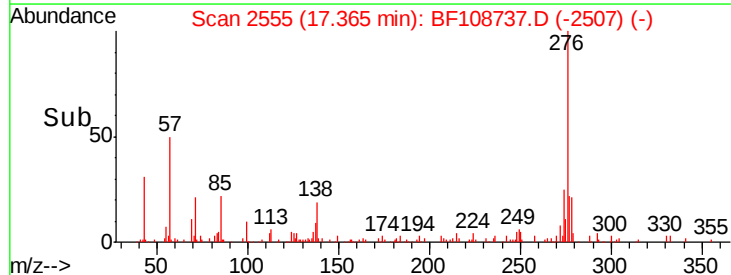
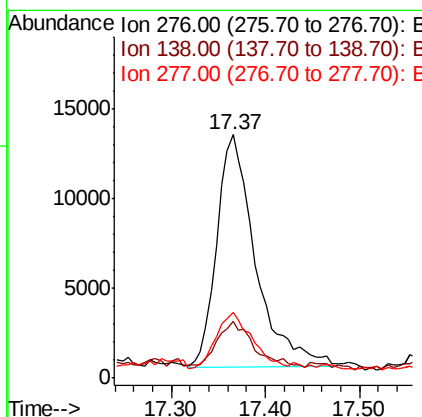
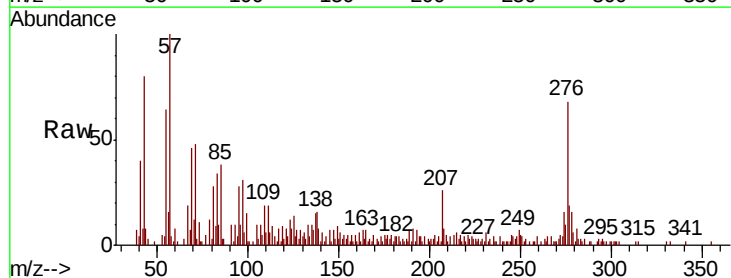
Instrument :
 BNA_F
 ClientSampleId :

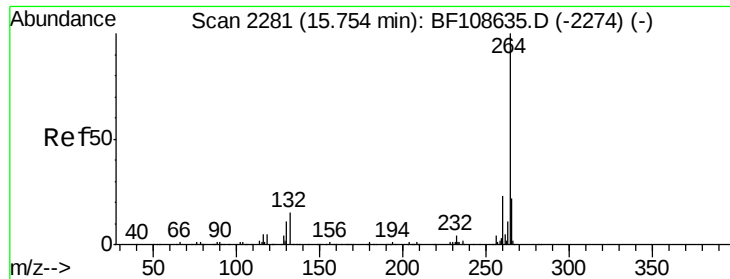
Tot Ion	149	Resp	156117
Ion Ratio	100	Lower	Upper
149	100		
167	26.2	21.3	31.9
279	3.8	3.0	4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.814 ng
 RT: 17.37 min Scan# 2555
 Delta R.T. -0.02 min
 Lab File: BF108737.D
 Acq: 4 Sep 2018 13:40

Tgt Ion	276	Resp	37201
Ion Ratio	100	Lower	Upper
276	100		
138	18.3	25.0	37.6#
277	22.6	20.1	30.1

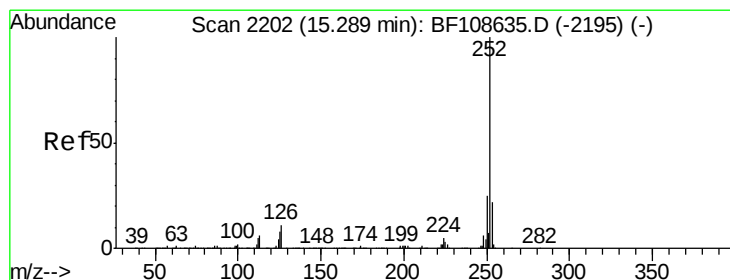
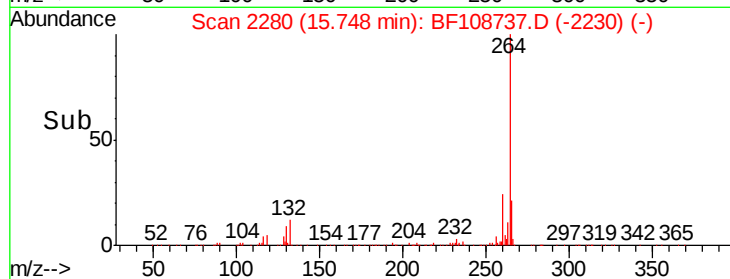
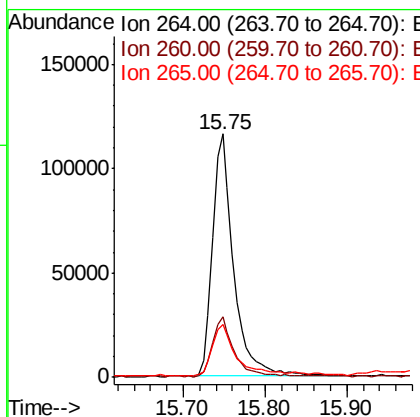
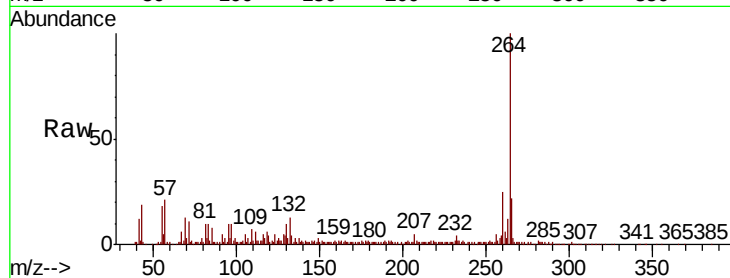




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

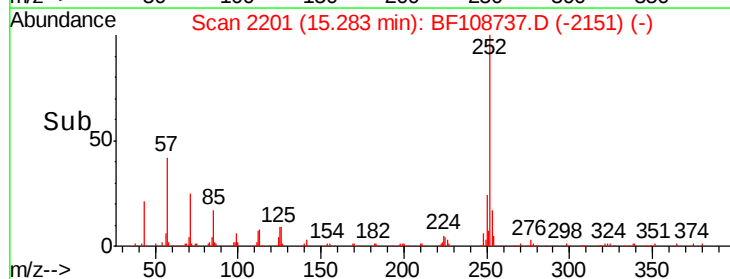
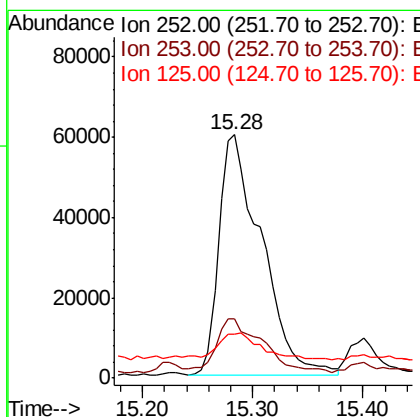
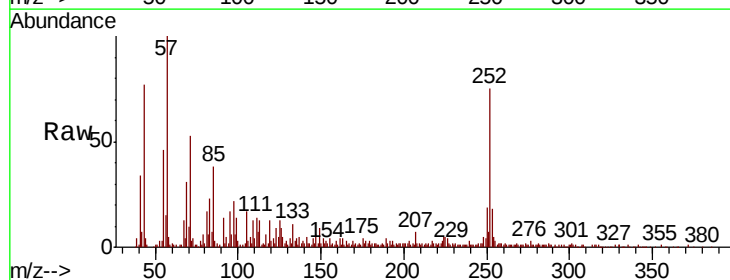
Instrument :
BNA_F
ClientSampleId :

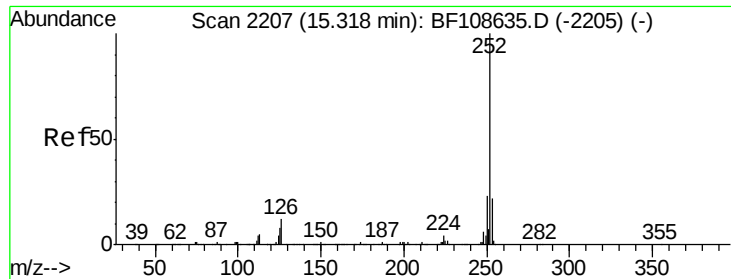
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 12.471 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	18.0	9.0	13.6

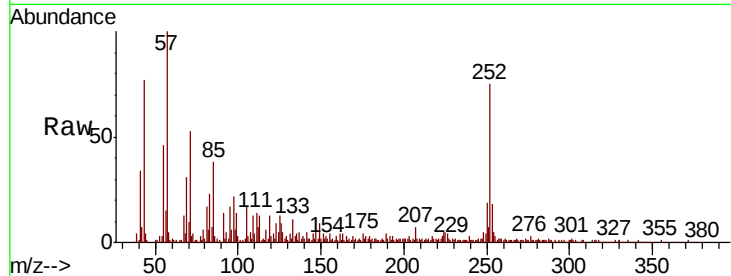




#88
Benzo(k)fluoranthene
Concen: 12.589 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	18.0	10.2	15.2

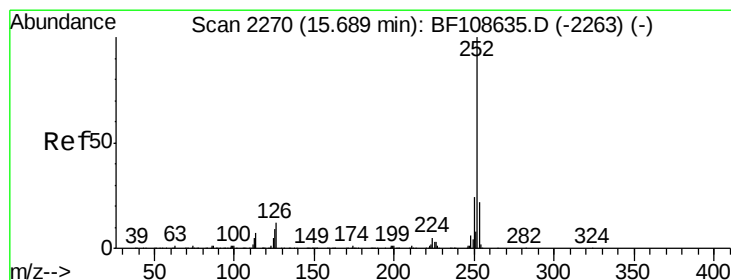
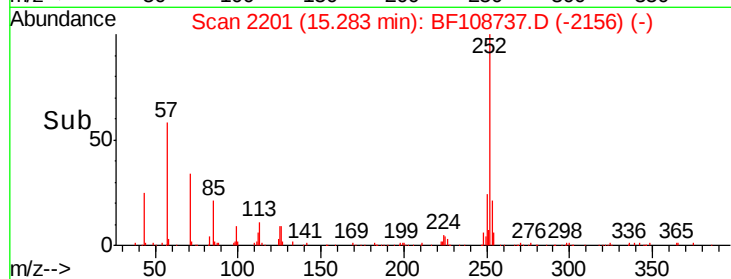
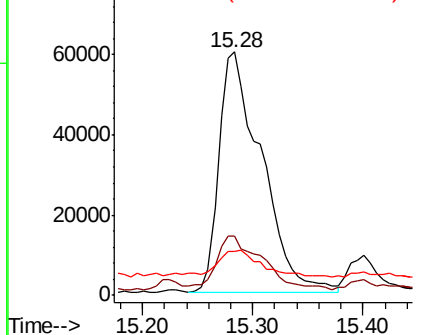


Abundance

Ion 252.00 (251.70 to 252.70): E

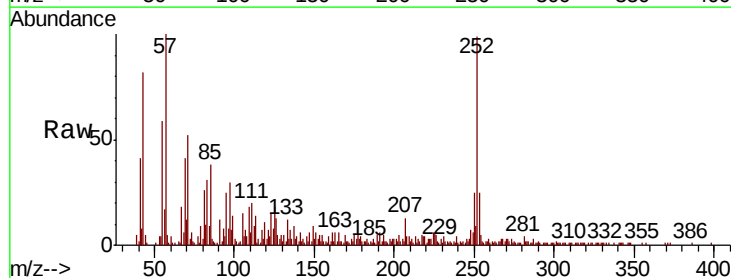
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 7.210 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108737.D
Acq: 4 Sep 2018 13:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	18.4	9.8	14.6

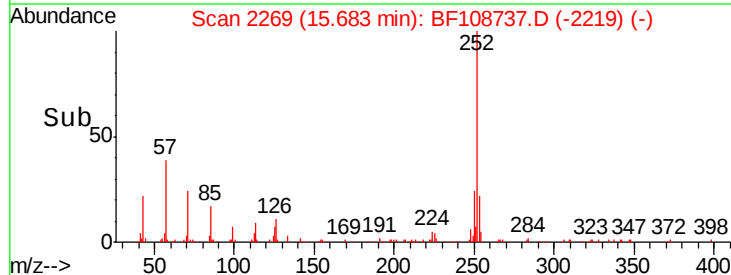
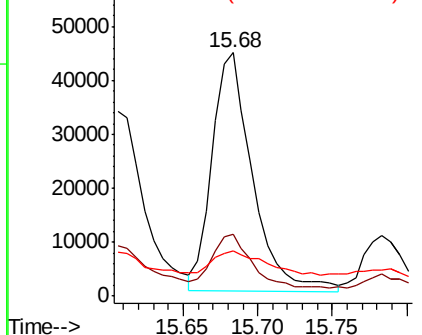


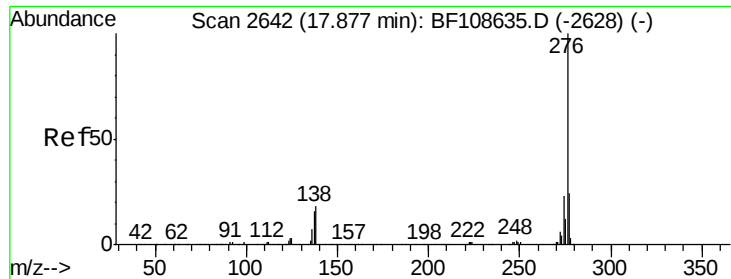
Abundance

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: 4.130 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.02 min

Lab File: BF108737.D

Acq: 4 Sep 2018 13:40

Instrument :

BNA_F

ClientSampleId :

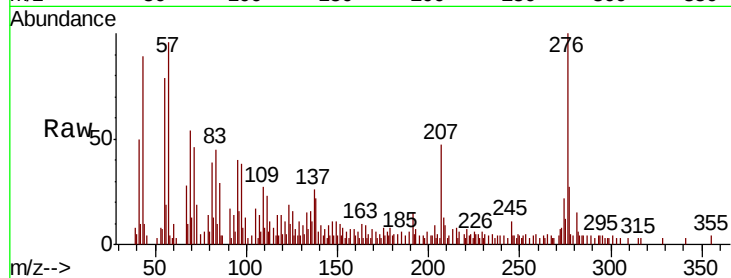
Tot Ion: 276 Resp: 37309

Ion Ratio Lower Upper

276 100

277 26.5 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

