

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108738.D
 Acq On : 4 Sep 2018 14:07
 Operator : JU/SJ
 Sample : J4726-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 14:34:23 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	65281	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	239931	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	102059	20.00	ng	-0.01
63) Phenanthrene-d10	11.53	188	214845	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	222921	20.00	ng	-0.01
86) Perylene-d12	15.75	264	171861	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	256564	68.27	ng	-0.02
7) Phenol-d6	6.62	99	394278	73.26	ng	-0.02
23) Nitrobenzene-d5	7.55	82	237884	50.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.83	330	101973	75.69	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	389270	51.28	ng	-0.02
78) Terphenyl-d14	13.12	244	457287	39.86	ng	-0.01

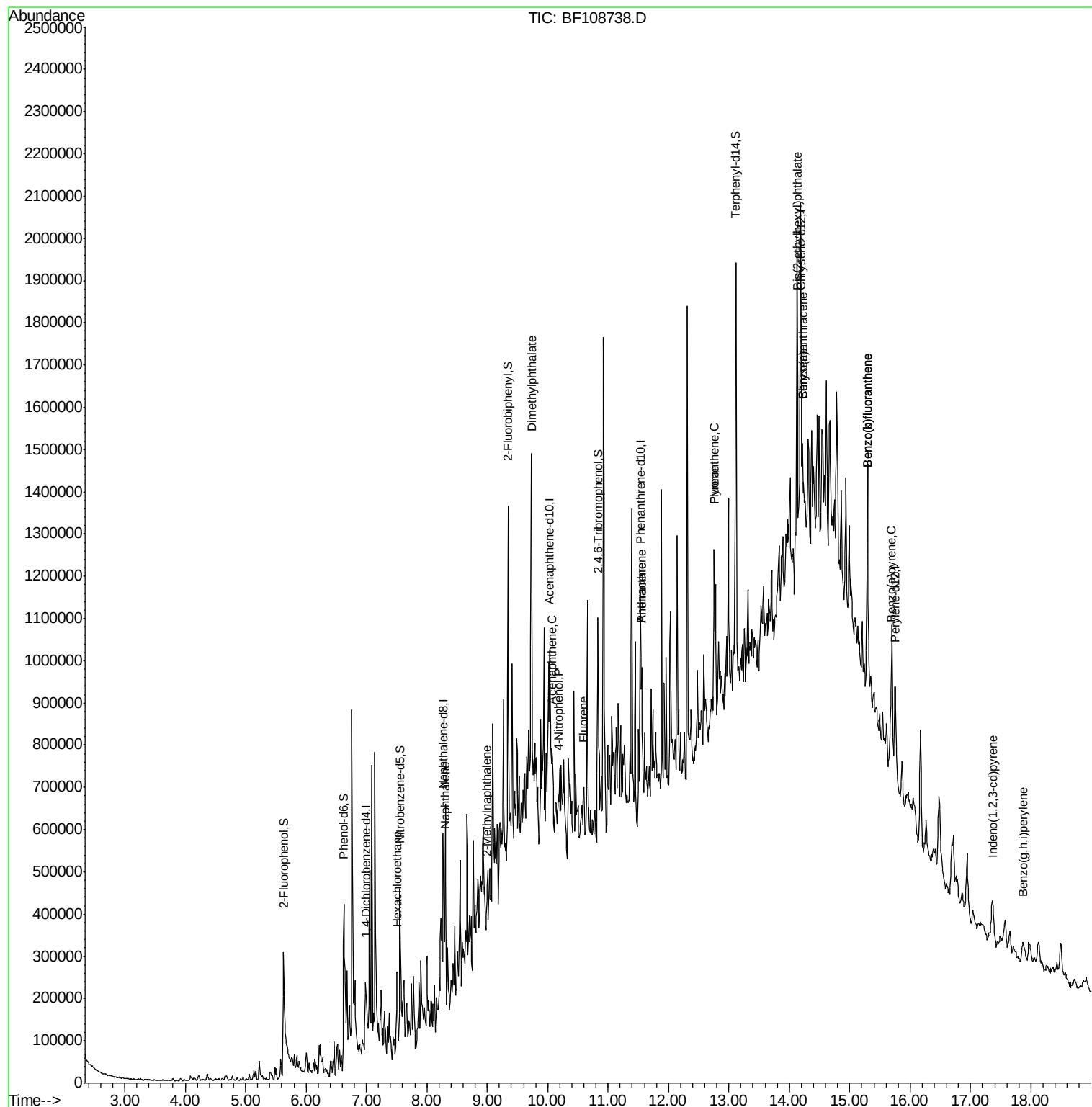
Target Compounds				Qvalue		
18) Hexachloroethane	7.51	117	8552	4.276	ng	# 1
31) Naphthalene	8.30	128	31474	2.754	ng	# 86
37) 2-Methylnaphthalene	8.99	142	27527	3.560	ng	# 89
49) Dimethylphthalate	9.74	163	72377	9.006	ng	# 91
51) Acenaphthene	10.07	154	17949	2.948	ng	# 92
55) 4-Nitrophenol	10.18	139	438	5.097	ng	# 1
57) Fluorene	10.59	166	20224	2.739	ng	# 70
70) Phenanthrene	11.56	178	144658	13.340	ng	99
71) Anthracene	11.56	178	144658	12.695	ng	97
74) Fluoranthene	12.75	202	234345	19.198	ng	92
77) Pyrene	12.75	202	234345	13.984	ng	97
80) Benzo(a)anthracene	14.22	228	123468	9.085	ng	94
82) Chrysene	14.22	228	123468	9.447	ng	98
83) Bis(2-ethylhexyl)phthalate	14.13	149	209951	23.181	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.37	276	41566	4.574	ng	# 81
87) Benzo(b)fluoranthene	15.28	252	161801	15.326	ng	# 88
88) Benzo(k)fluoranthene	15.28	252	161801	15.471	ng	# 90
89) Benzo(a)pyrene	15.68	252	84052	8.810	ng	# 83
91) Benzo(a,h,i)perylene	17.87	276	46035	6.216	ng	# 88

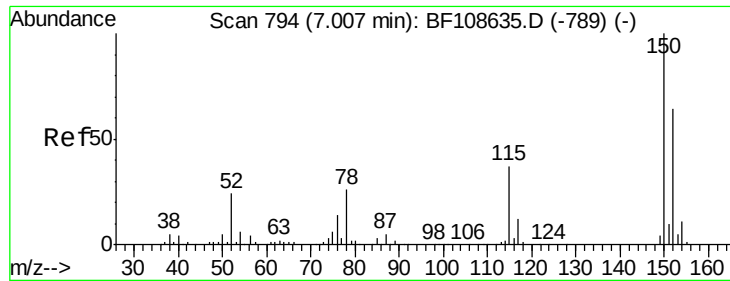
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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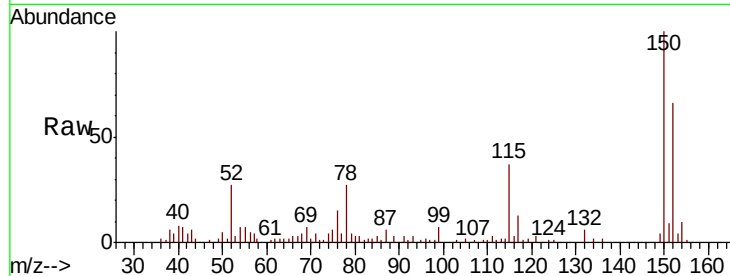


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	56.1	50.1	75.1

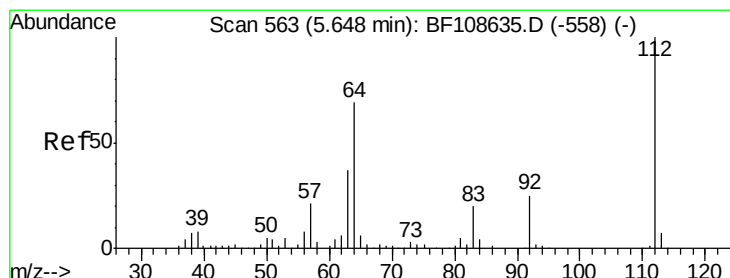
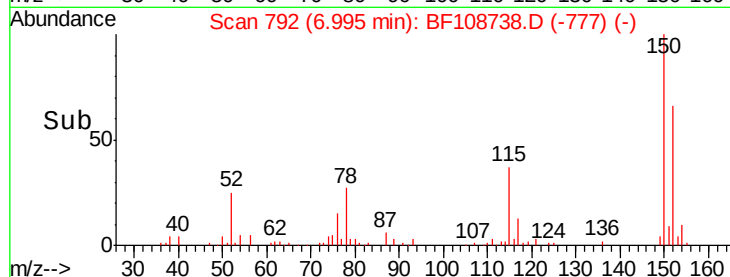
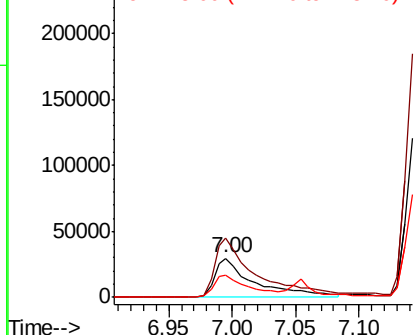


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

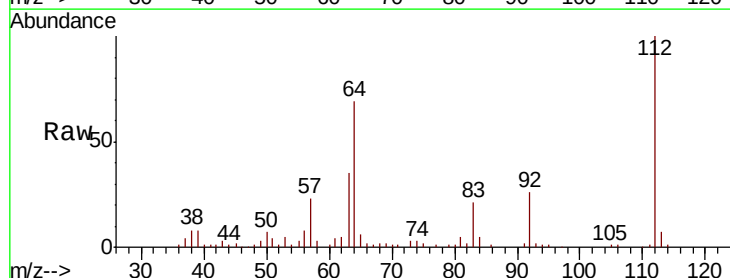
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.275 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	47.9	71.9
63	34.9	23.7	35.5

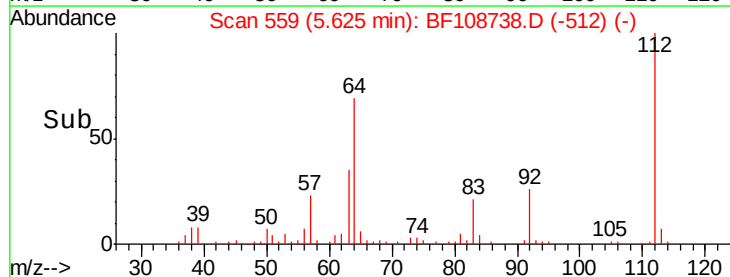
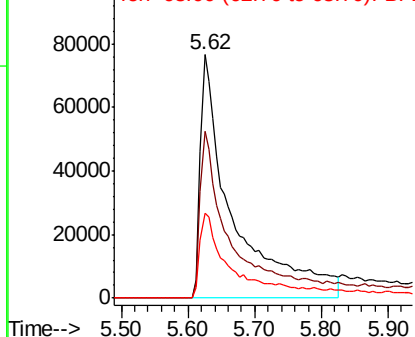


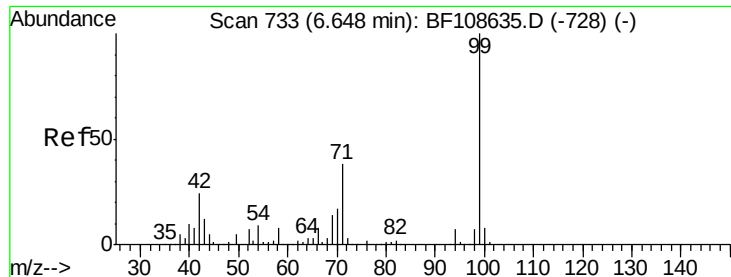
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.256 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

ClientSampleId :

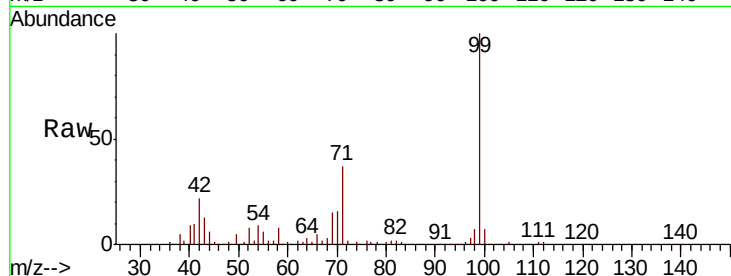
Tot Ion: 99 Resp: 394278

Ion Ratio Lower Upper

99 100

42 22.5 14.5 21.7#

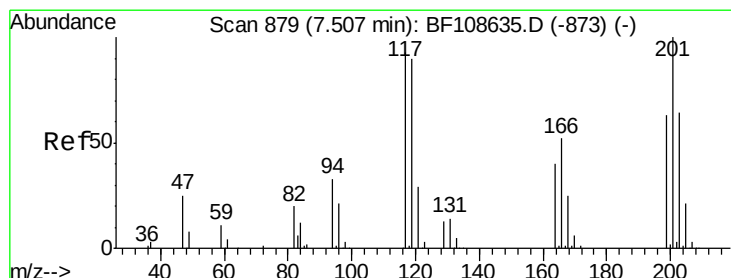
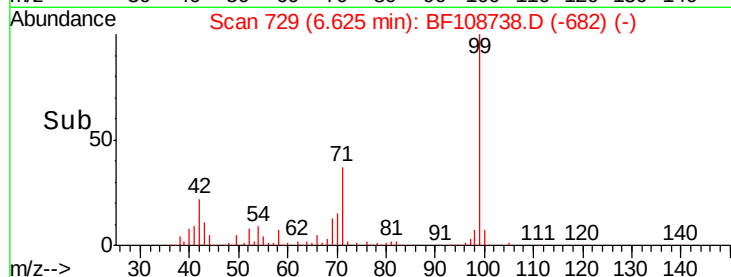
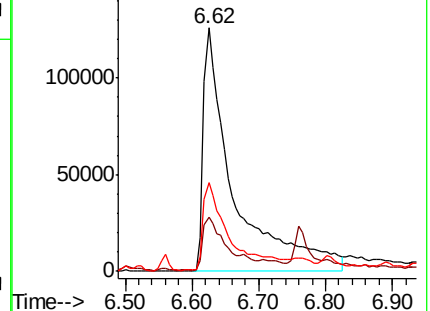
71 36.6 25.4 38.0



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: 4.276 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.01 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

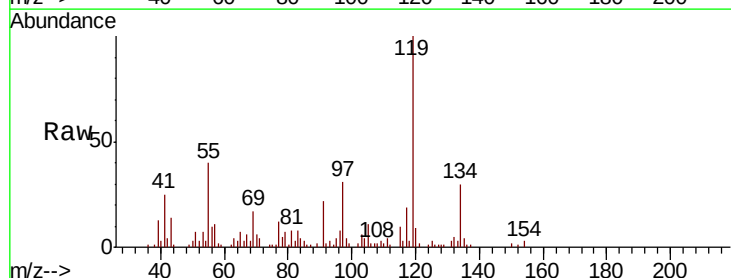
Tgt Ion: 117 Resp: 8552

Ion Ratio Lower Upper

117 100

119 521.3 75.8 113.8#

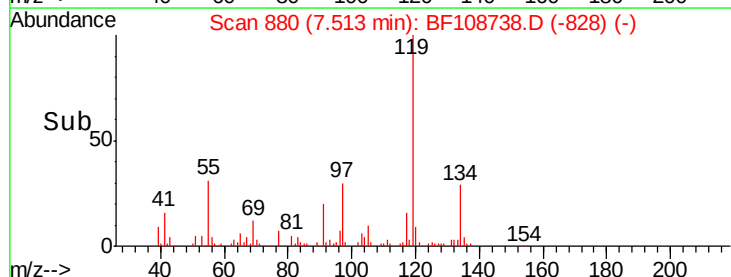
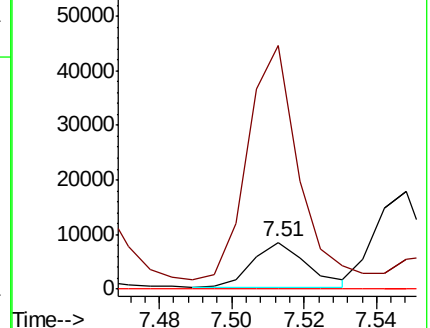
201 0.0 75.7 113.5#

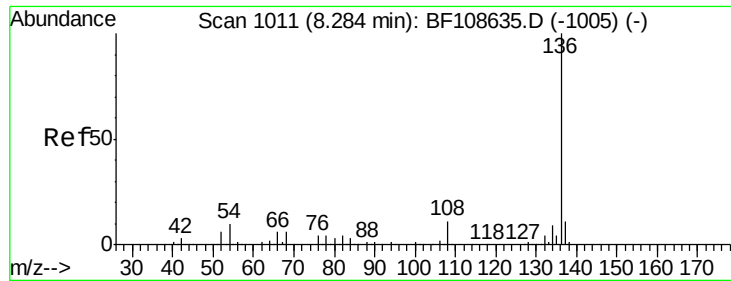


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

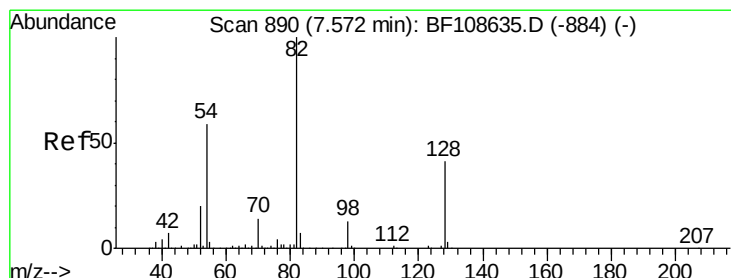
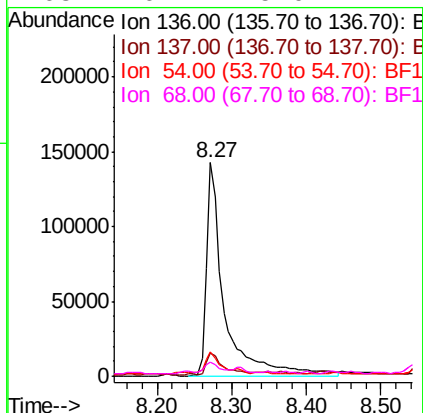
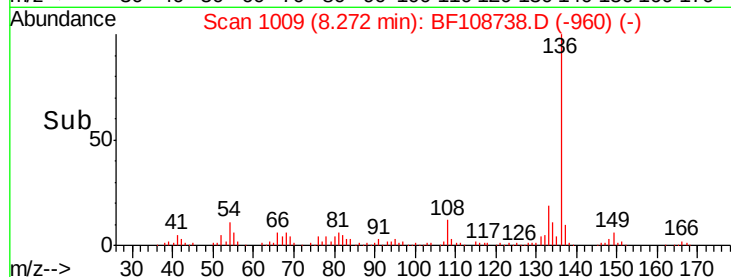
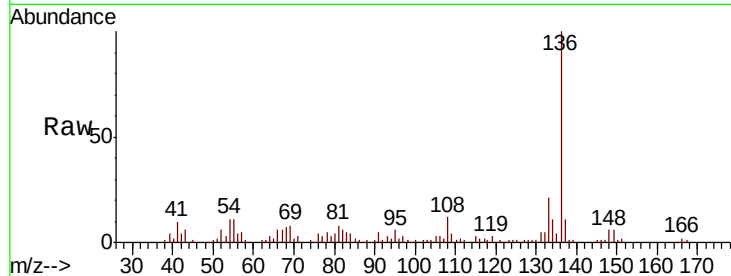




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

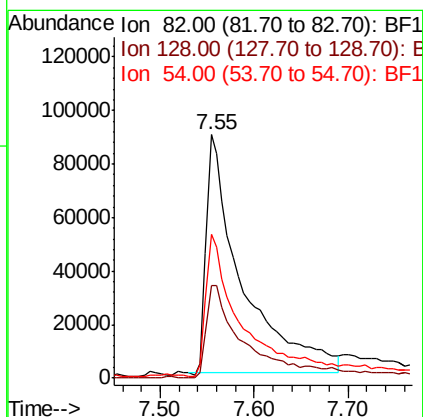
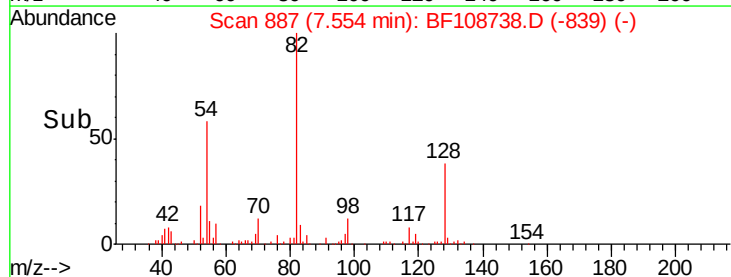
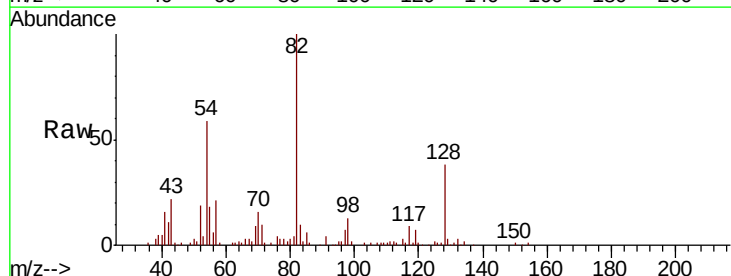
Instrument :
BNA_F
ClientSampleId :

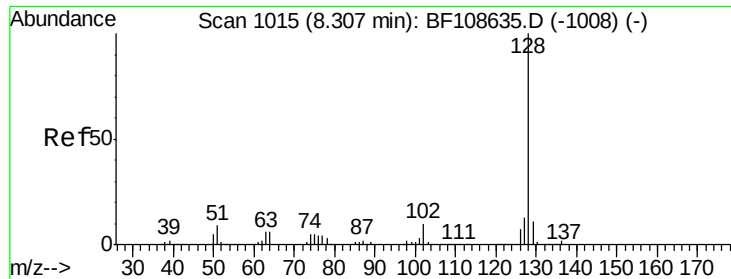
Tot Ion:136	Resp:	239931
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	11.2	6.6 9.8#
68	6.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 50.326 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion: 82	Resp:	237884
Ion Ratio	Lower	Upper
82	100	
128	38.2	36.1 54.1
54	58.8	41.4 62.2

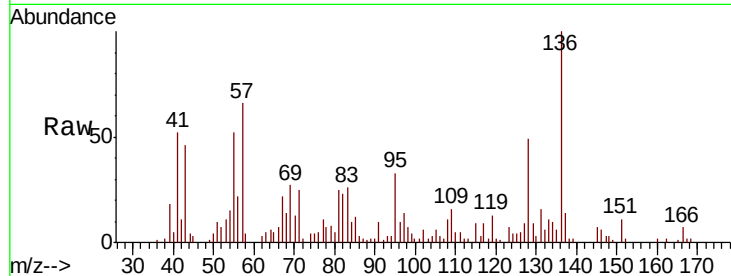




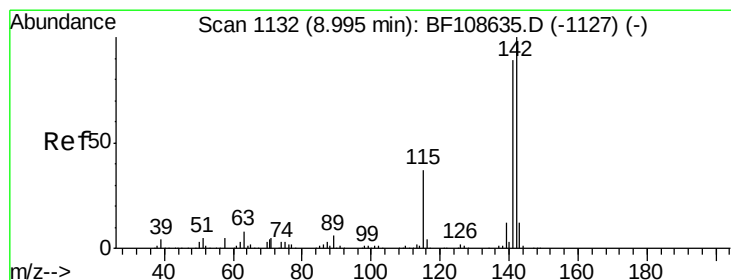
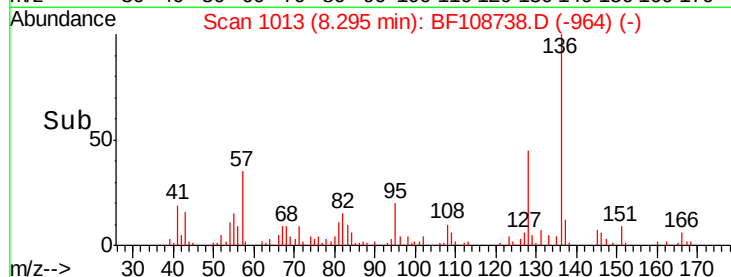
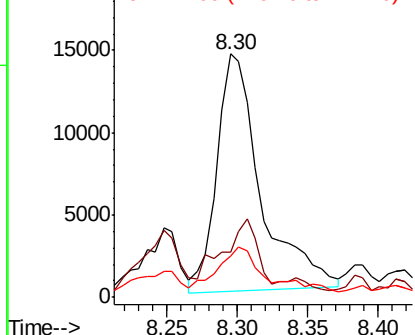
#31
Naphthalene
Concen: 2.754 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 31474
Ion Ratio Lower Upper
128 100
129 18.5 8.8 13.2#
127 17.2 10.9 16.3#

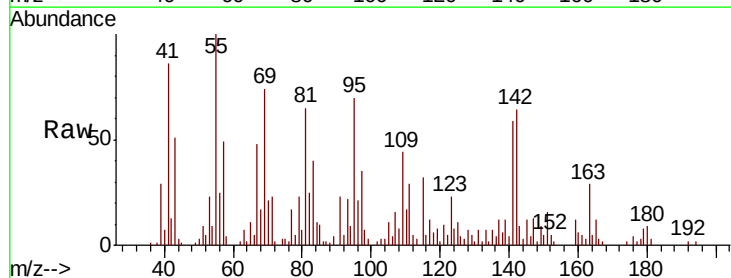


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

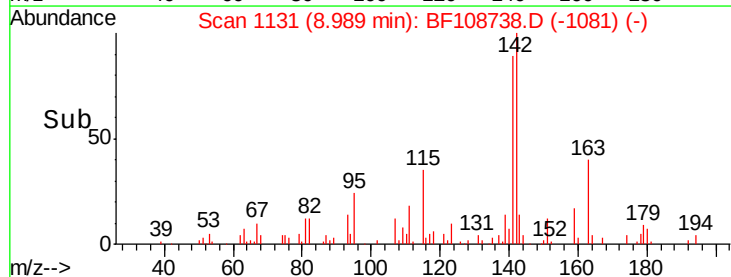
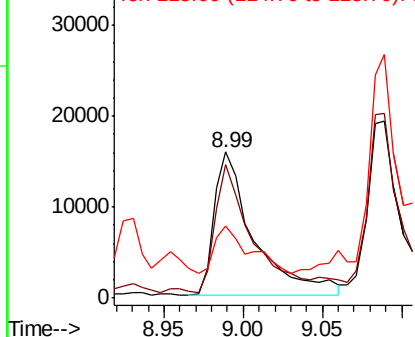


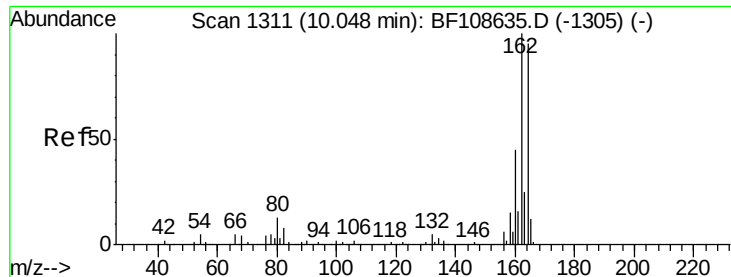
#37
2-Methylnaphthalene
Concen: 3.560 ng
RT: 8.99 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion:142 Resp: 27527
Ion Ratio Lower Upper
142 100
141 91.7 70.8 106.2
115 49.7 26.1 39.1#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

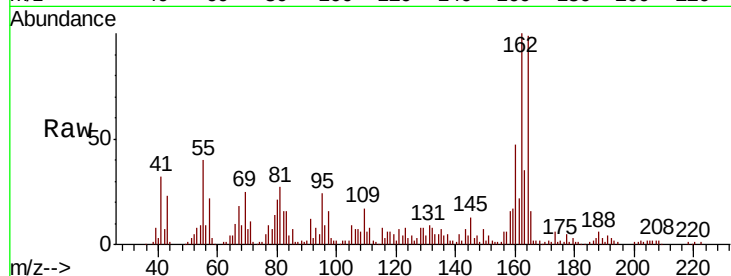




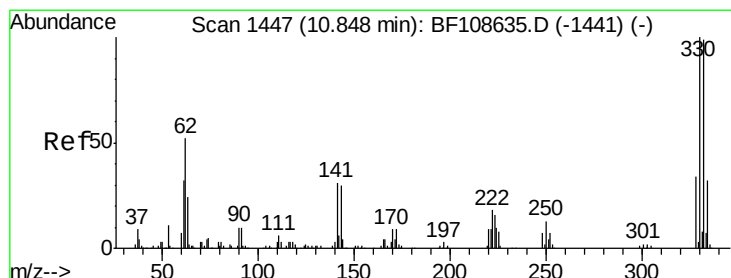
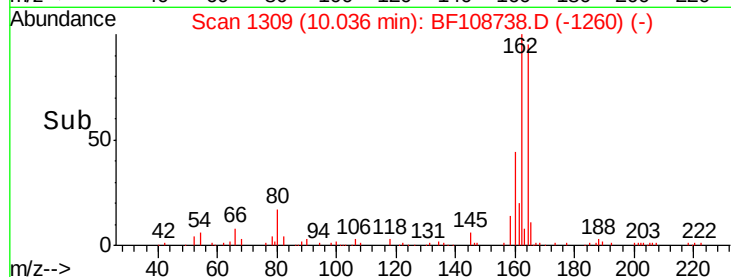
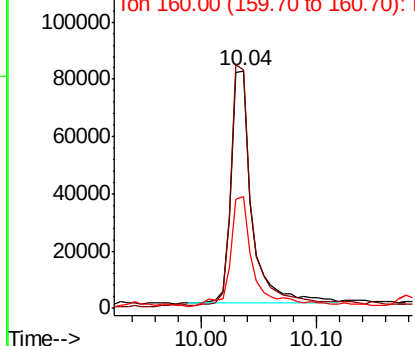
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 102059
Ion Ratio Lower Upper
164 100
162 100.6 86.1 129.1
160 47.1 38.3 57.5

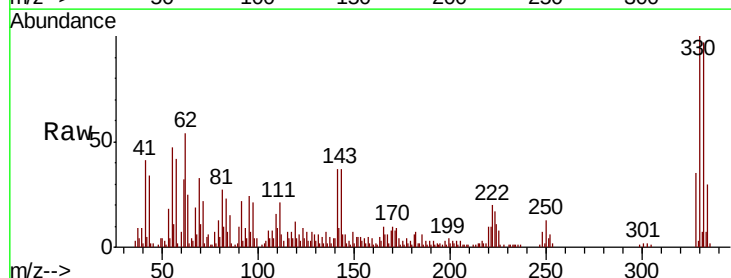


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

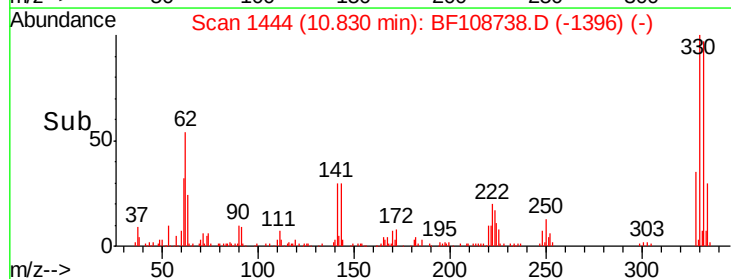
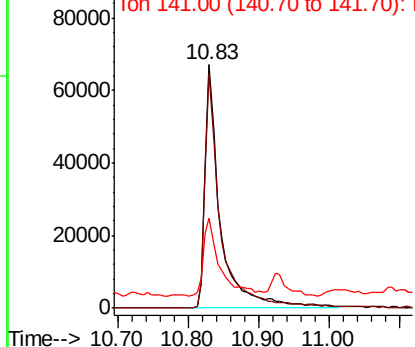


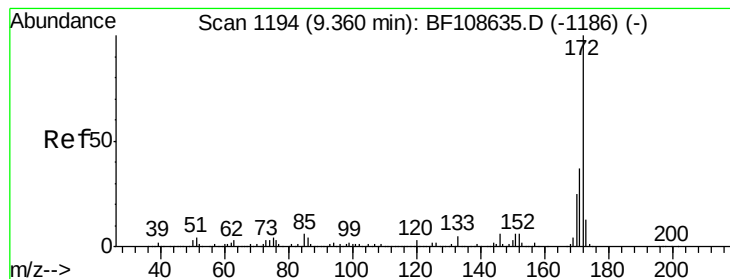
#41
2,4,6-Tribromophenol
Concen: 75.687 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion:330 Resp: 101973
Ion Ratio Lower Upper
330 100
332 98.0 77.0 115.6
141 33.3 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

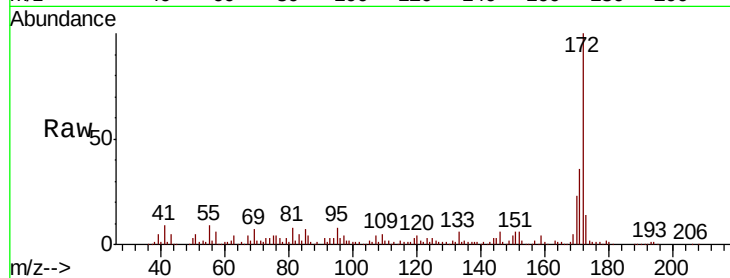




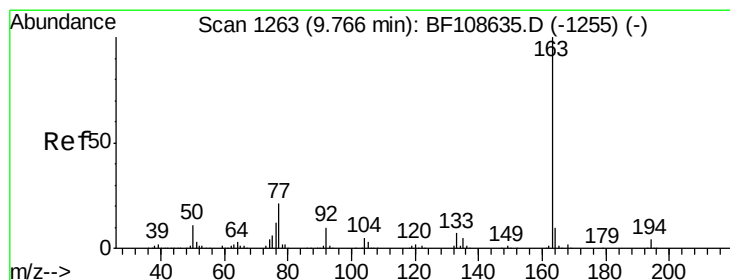
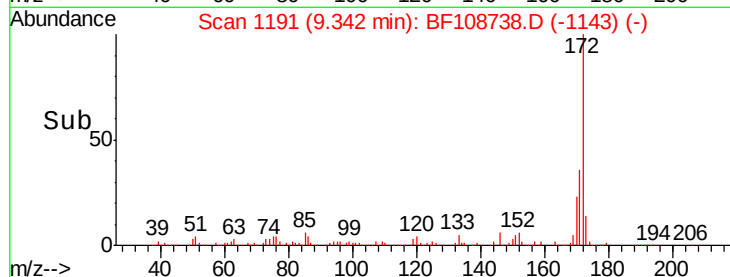
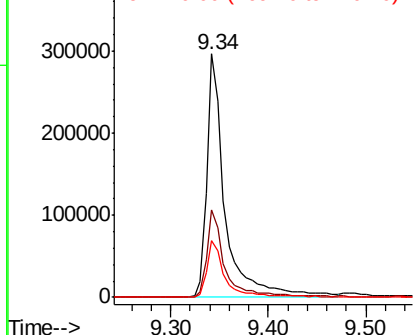
#44
2-Fluorobiphenyl
Concen: 51.284 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 389270
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 23.4 19.6 29.4

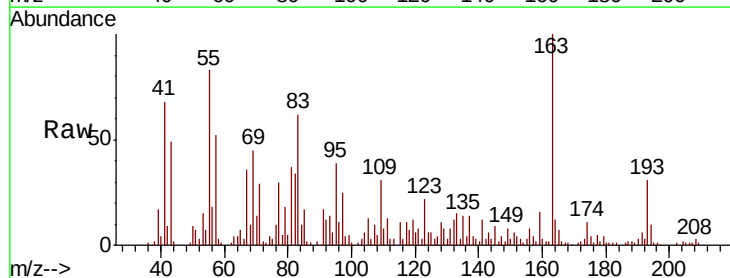


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

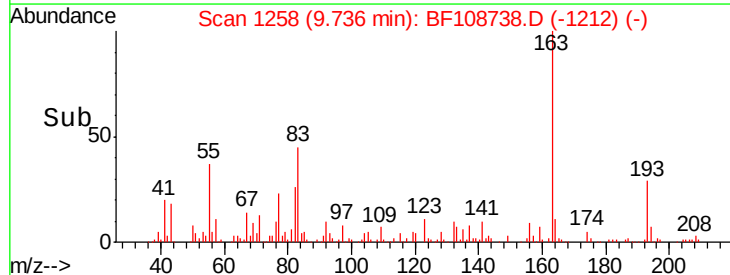
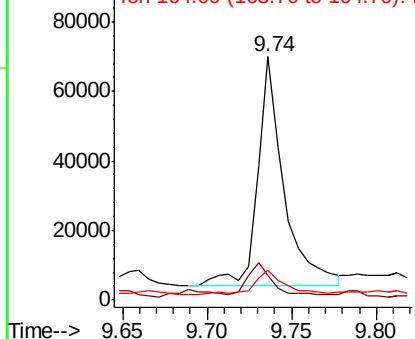


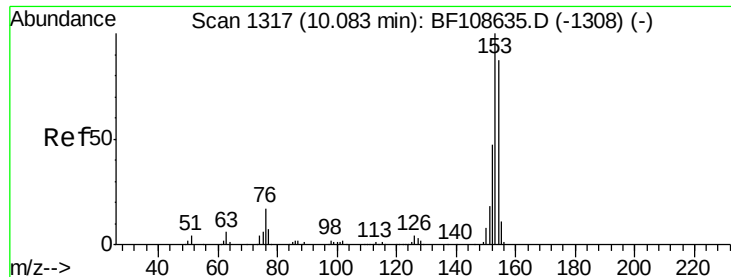
#49
Dimethylphthalate
Concen: 9.006 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion:163 Resp: 72377
Ion Ratio Lower Upper
163 100
194 10.3 2.7 4.1#
164 12.1 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





#51

Acenaphthene

Concen: 2.948 ng

RT: 10.07 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

ClientSampled :

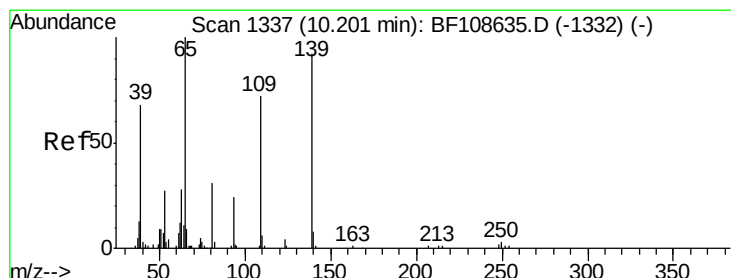
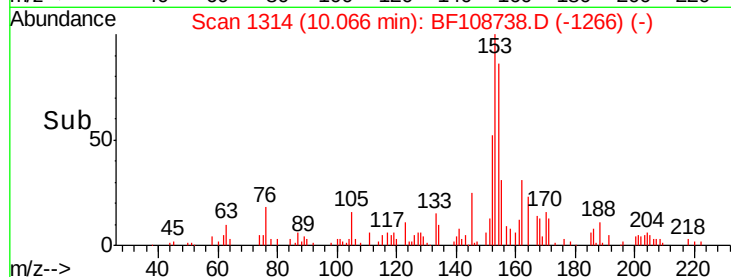
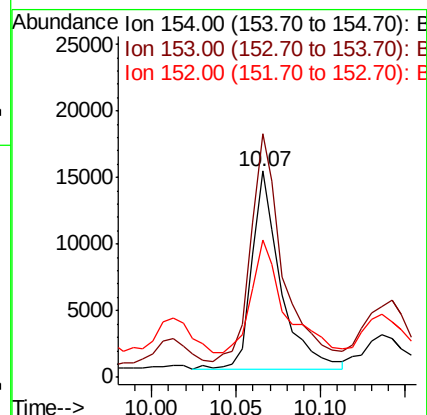
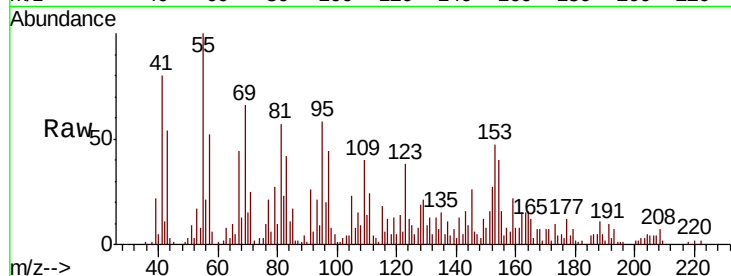
Tot Ion:154 Resp: 17949

Ion Ratio Lower Upper

154 100

153 118.0 91.2 136.8

152 66.8 43.8 65.8#



#55

4-Nitrophenol

Concen: 5.097 ng

RT: 10.18 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

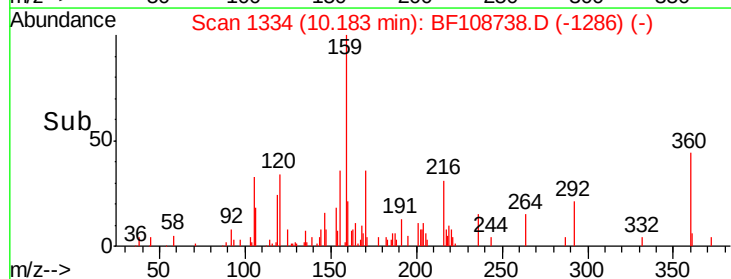
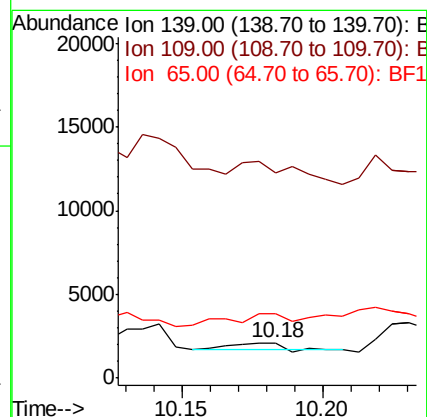
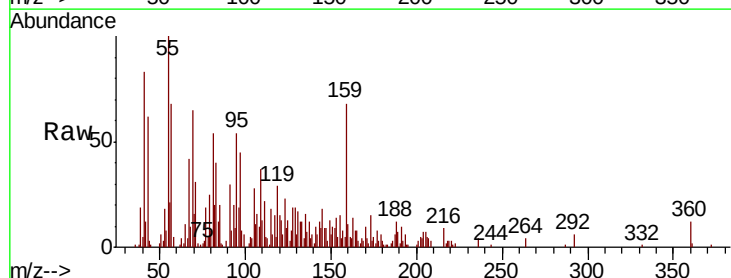
Tgt Ion:139 Resp: 438

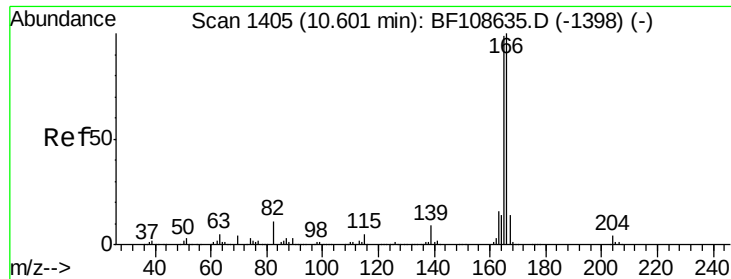
Ion Ratio Lower Upper

139 100

109 576.4 48.4 88.4#

65 181.2 72.6 112.6#

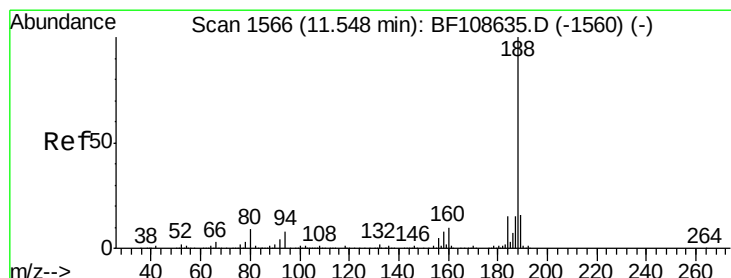
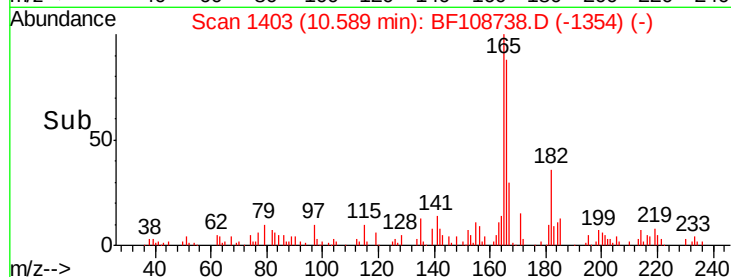
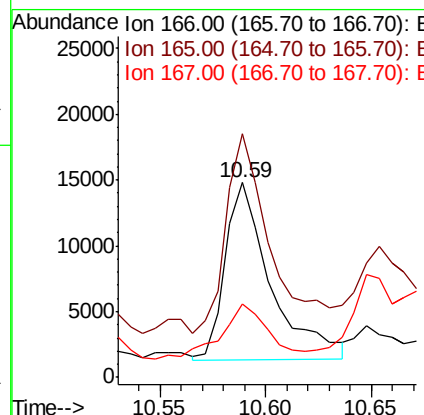
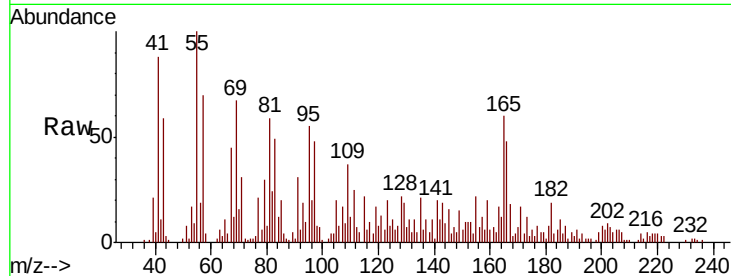




#57
 Fluorene
 Concen: 2.739 ng
 RT: 10.59 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

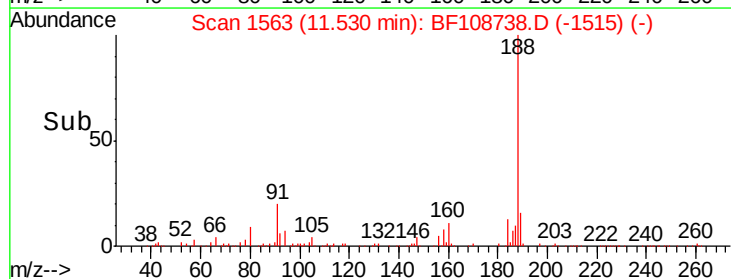
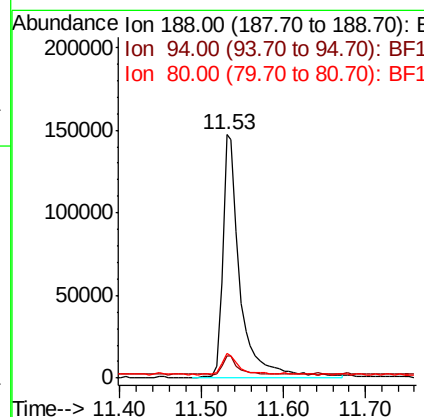
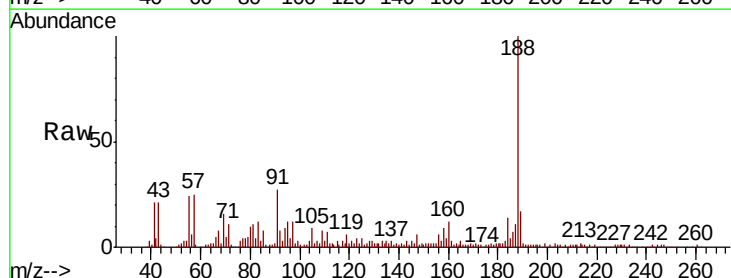
Instrument :
 BNA_F
 ClientSampled :

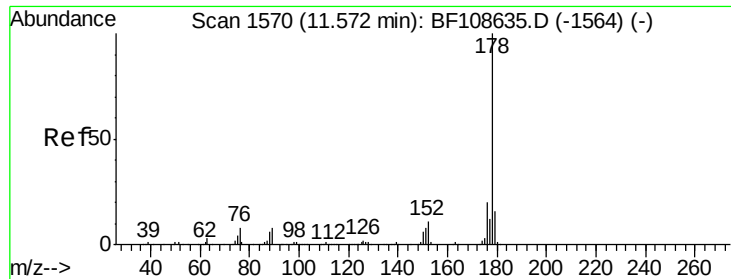
Tot Ion:166 Resp: 20224
 Ion Ratio Lower Upper
 166 100
 165 125.1 79.8 119.8#
 167 37.6 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Tgt Ion:188 Resp: 214845
 Ion Ratio Lower Upper
 188 100
 94 9.2 8.5 12.7
 80 10.2 9.2 13.8





#70

Phenanthrene

Concen: 13.340 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

ClientSampleId :

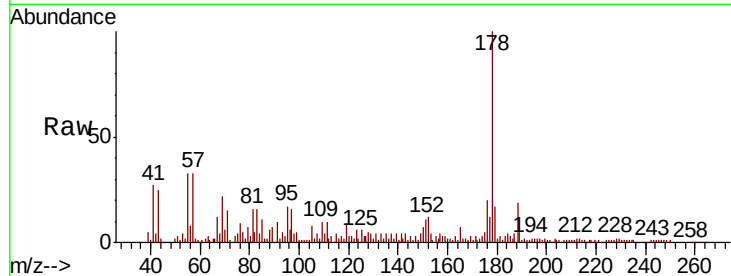
Tot Ion:178 Resp: 144658

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

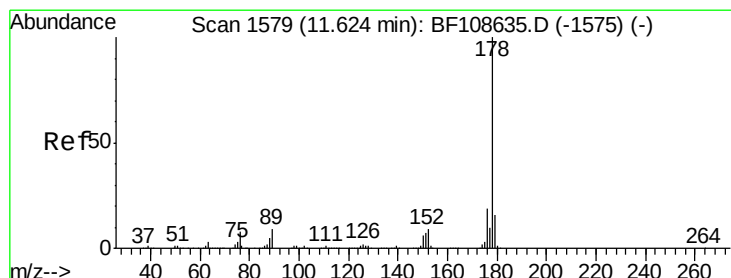
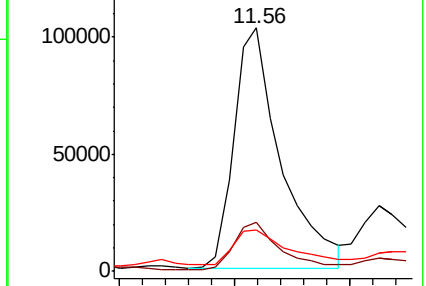
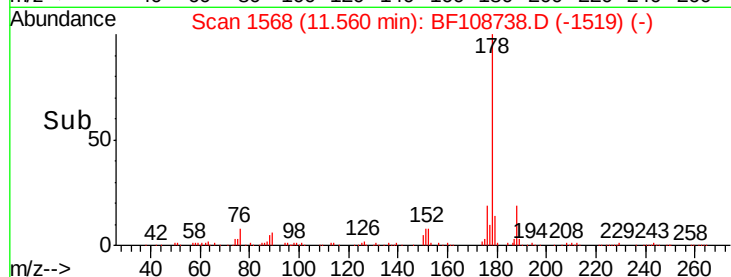
179 17.1 13.0 19.6



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



#71

Anthracene

Concen: 12.695 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.06 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

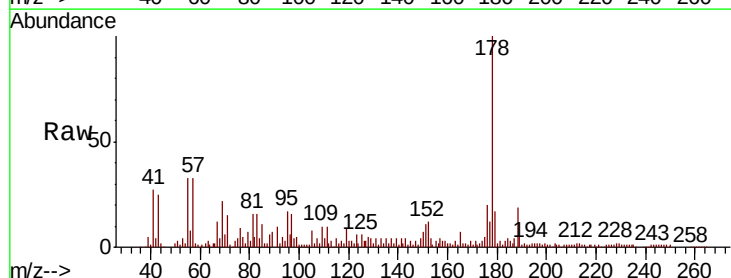
Tgt Ion:178 Resp: 144658

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.2

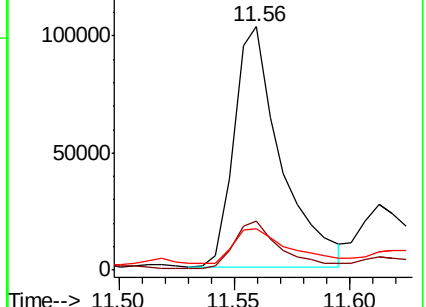
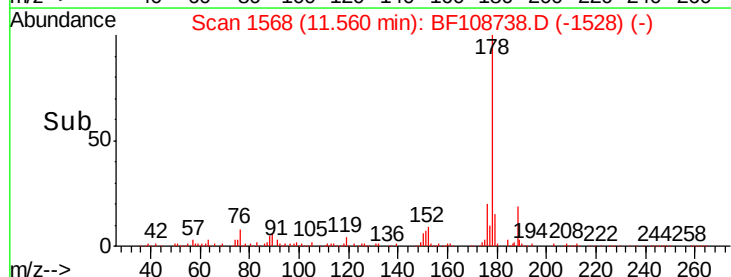
179 17.1 12.6 19.0

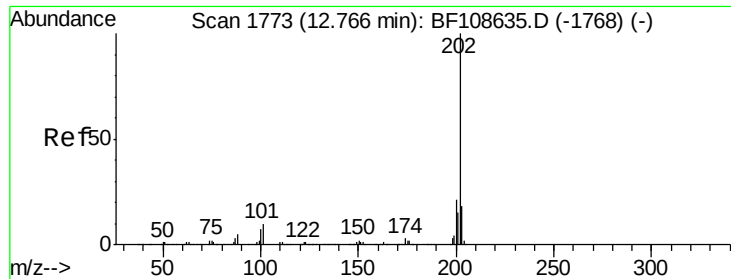


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.198 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108738.D

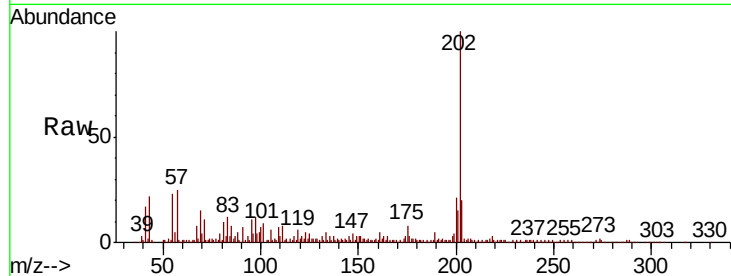
Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

ClientSampleId :

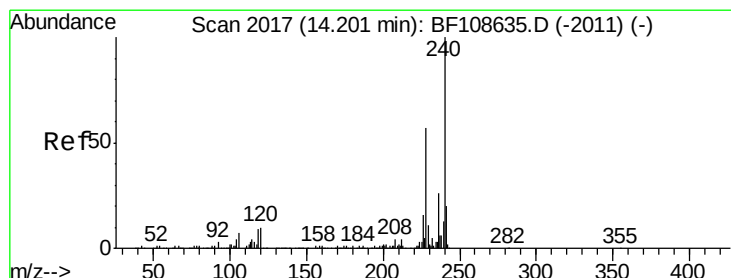
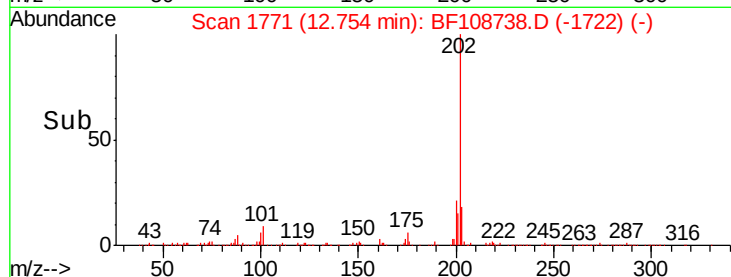
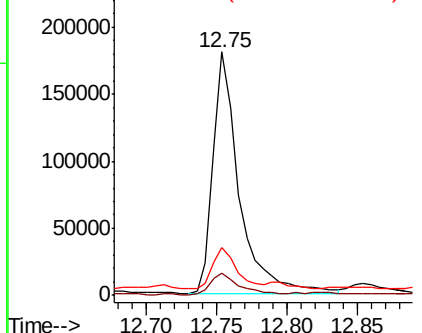
Tot Ion:	202	Resp:	234345
Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	34.1
203	19.8	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

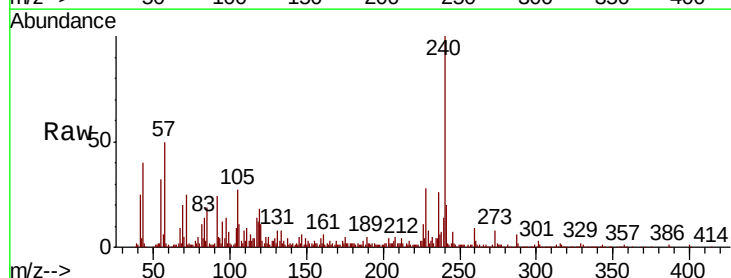
RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

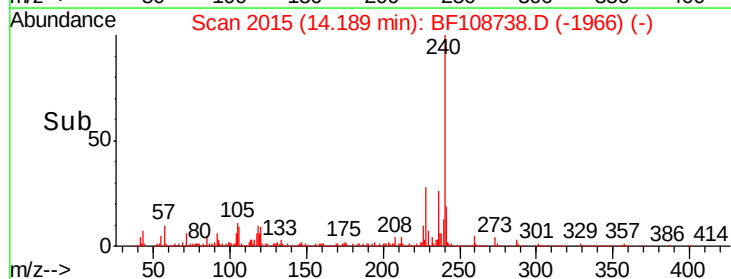
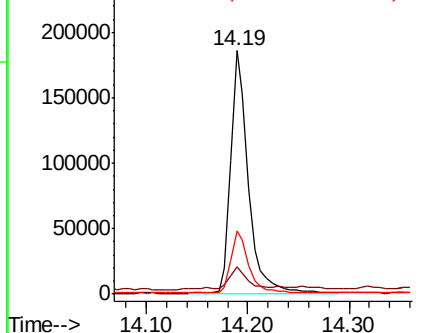
Tgt Ion:	240	Resp:	222921
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.0	20.7	31.1

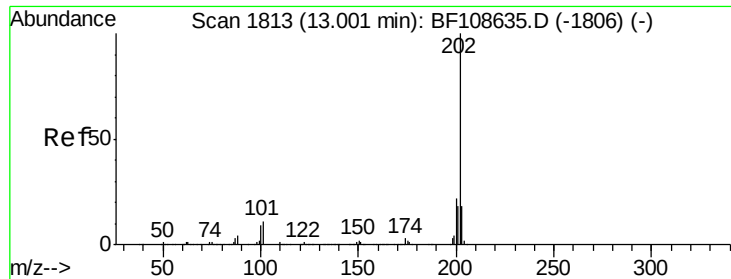


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.984 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.25 min

Lab File: BF108738.D

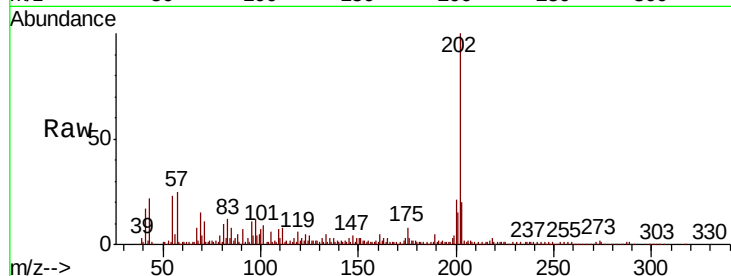
Acq: 4 Sep 2018 14:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	234345
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	19.8	14.3	21.5

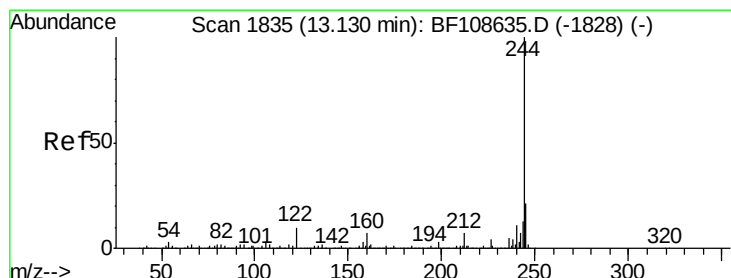
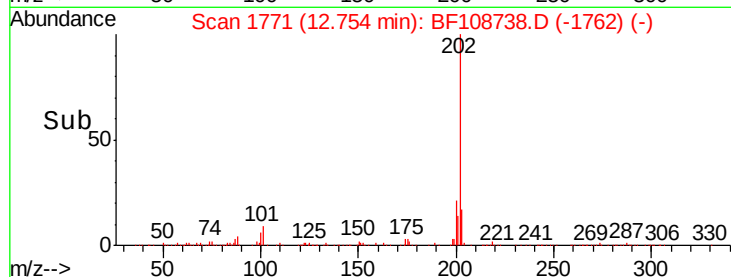
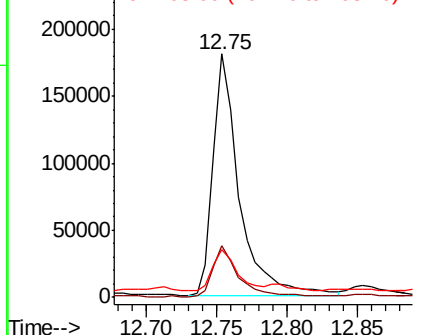


Abundance

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: 39.857 ng

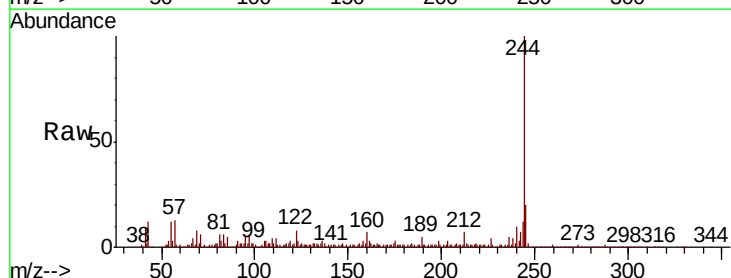
RT: 13.12 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF108738.D

Acq: 4 Sep 2018 14:07

Tgt Ion:	244	Resp:	457287
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	8.5	11.0	16.4#

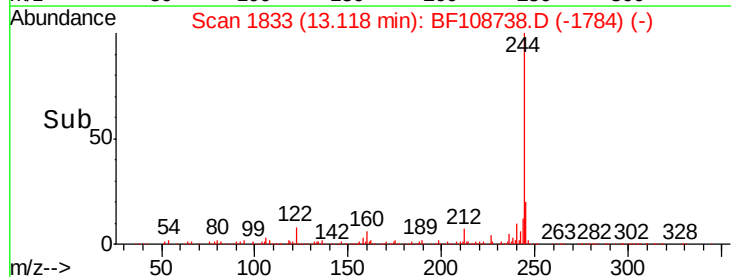
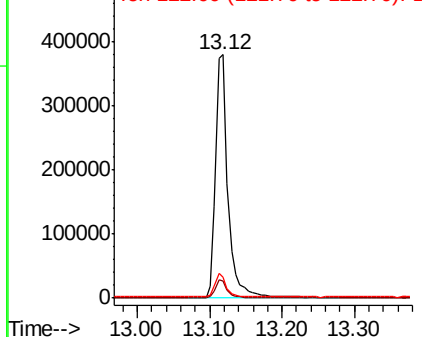


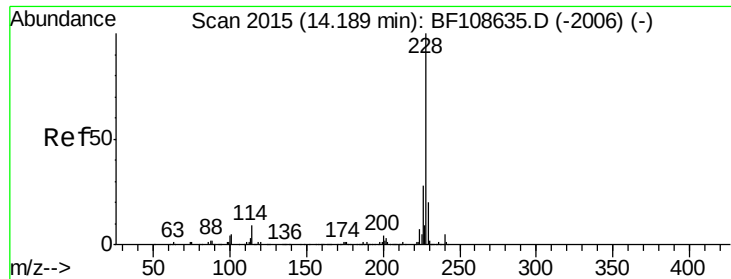
Abundance

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

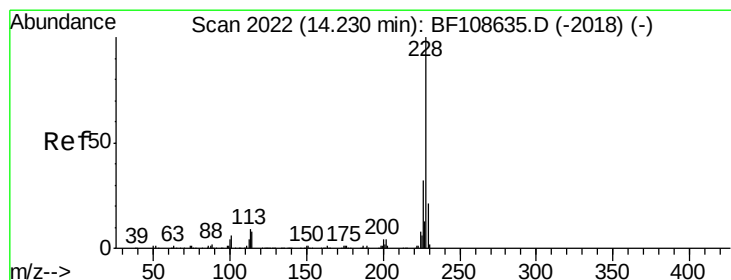
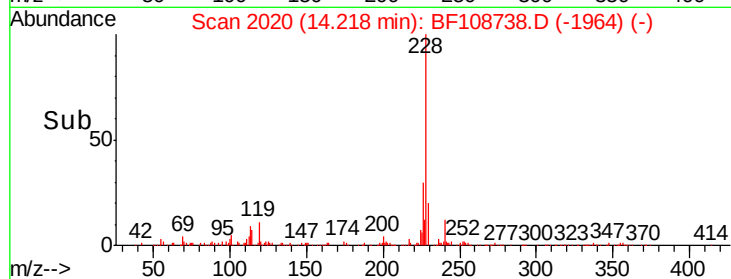
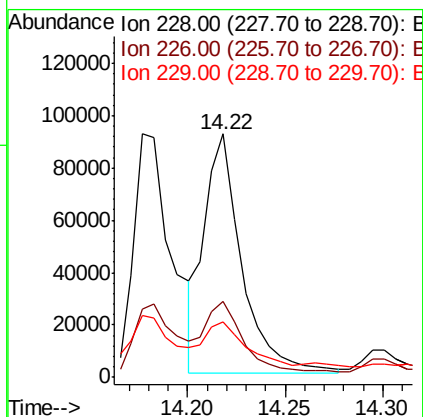
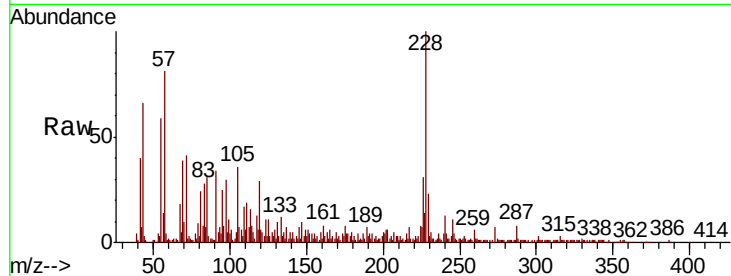




#80
Benzo(a)anthracene
Concen: 9.085 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.03 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

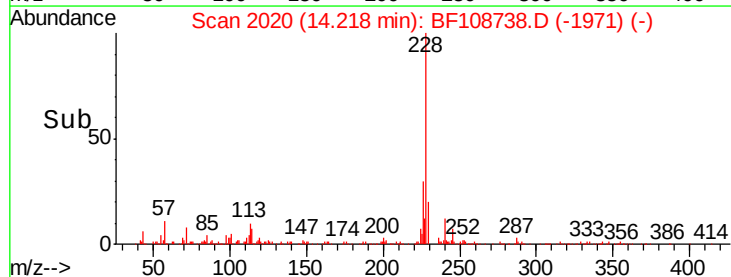
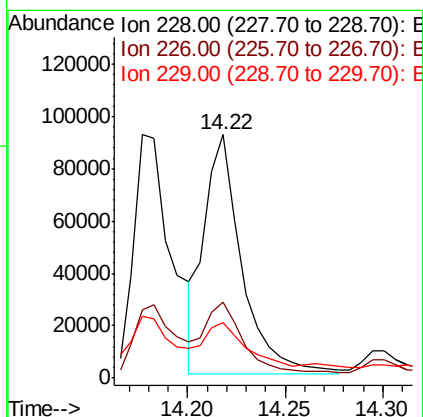
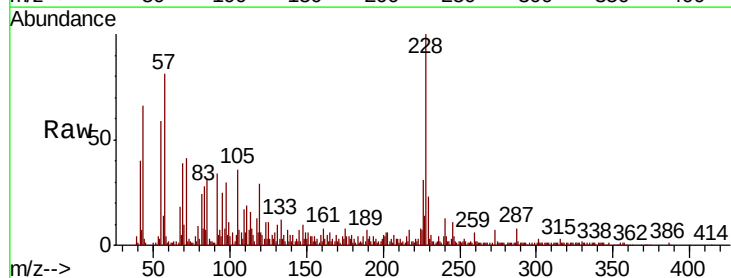
Instrument :
BNA_F
ClientSampleId :

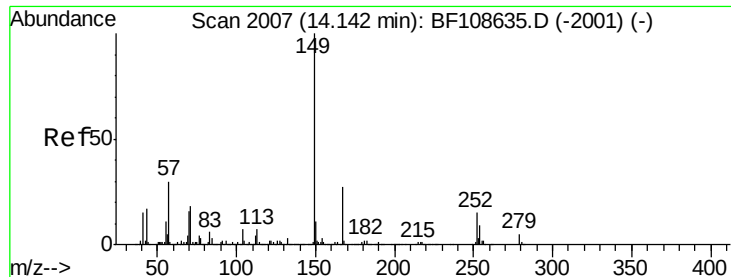
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	23.0	15.8	23.6



#82
Chrysene
Concen: 9.447 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	23.0	16.2	24.4

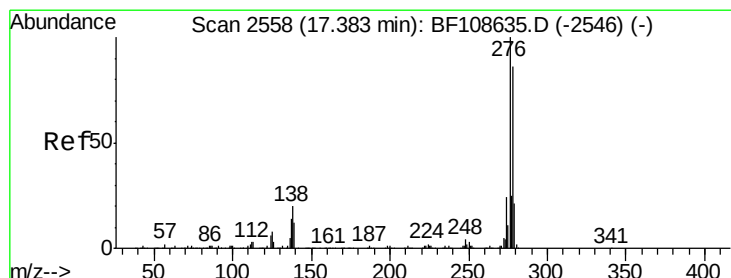
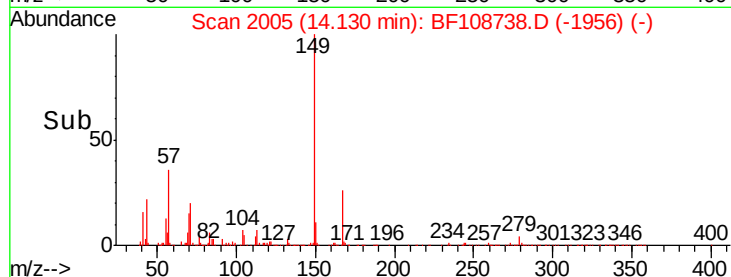
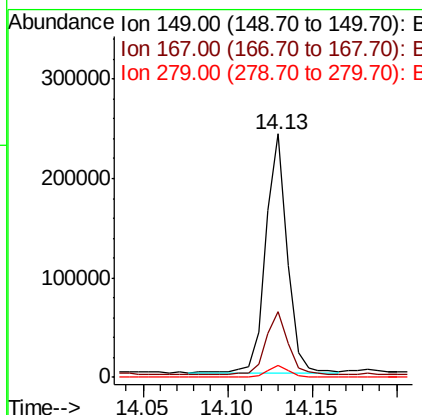
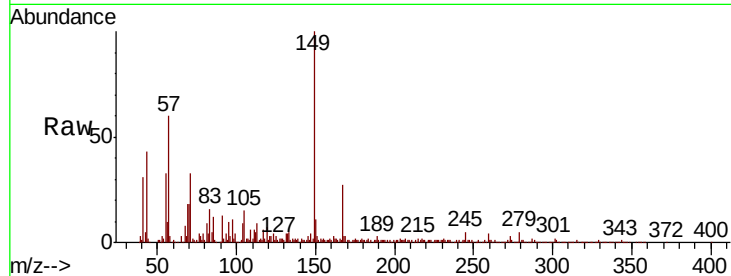




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 23.181 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

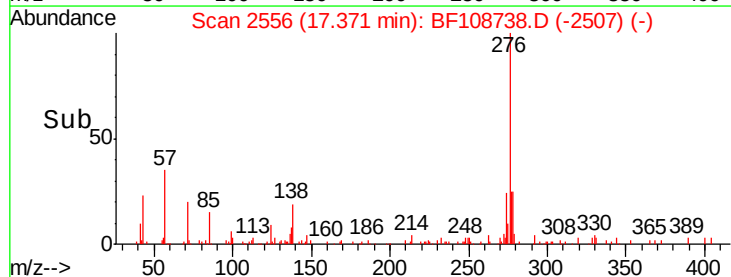
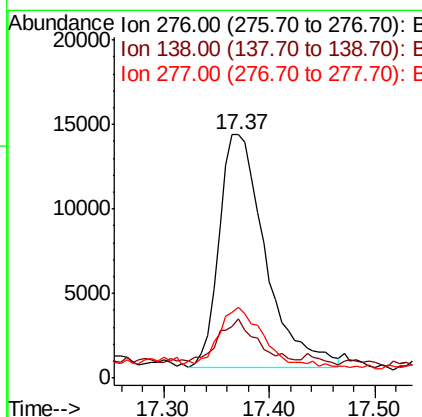
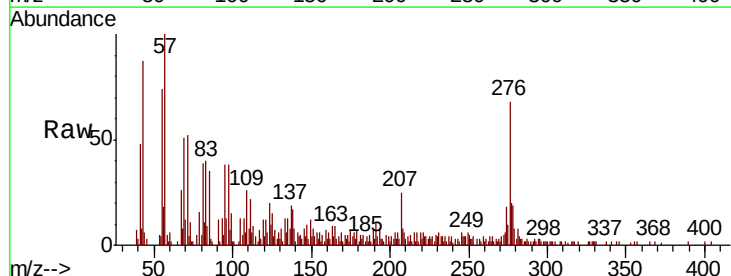
Instrument :
 BNA_F
 ClientSampleId :

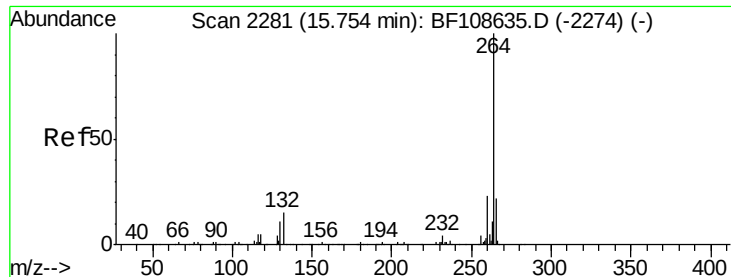
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	4.7	3.0	4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.574 ng
 RT: 17.37 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	25.0	37.6
277	21.3	20.1	30.1

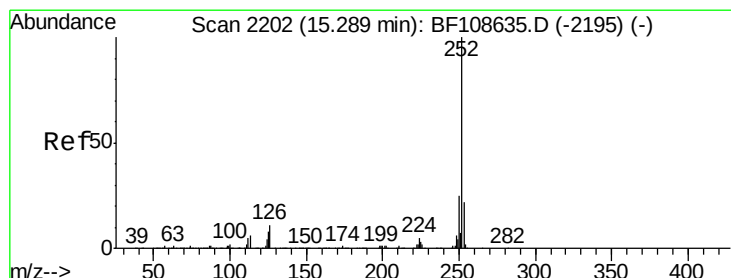
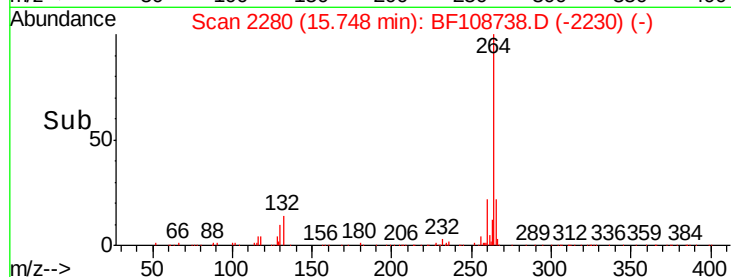
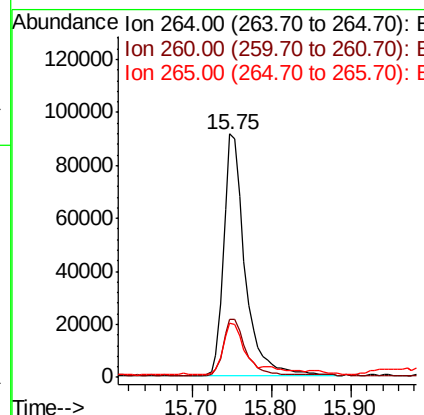
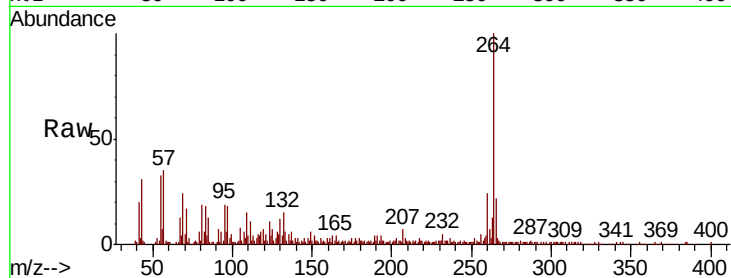




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

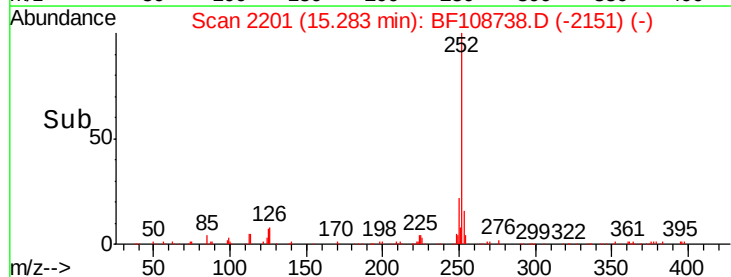
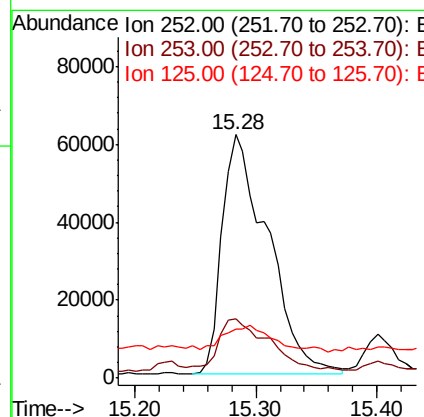
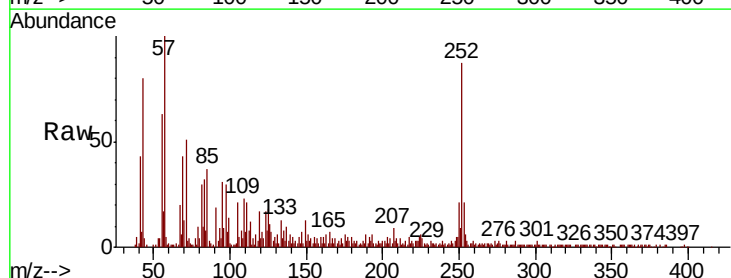
Instrument :
BNA_F
ClientSampleId :

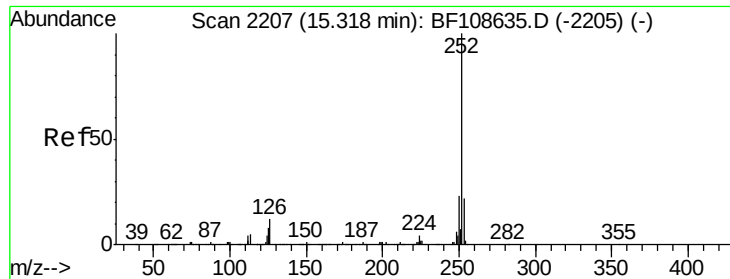
Tot Ion:264 Resp: 171861
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 15.326 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion:252 Resp: 161801
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 20.4 9.0 13.6#

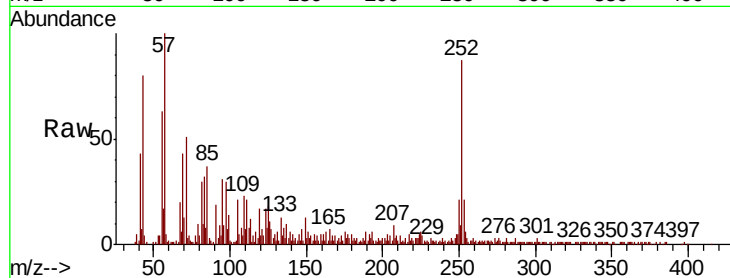




#88
Benzo(k)fluoranthene
Concen: 15.471 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	20.4	10.2	15.2

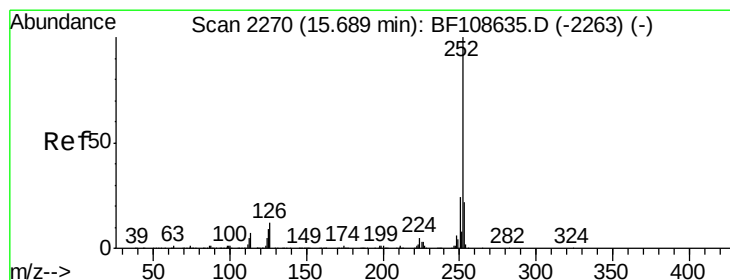
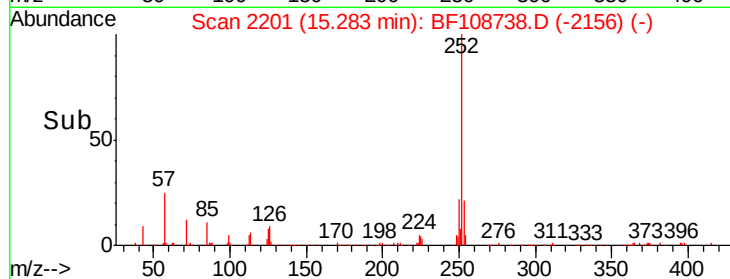
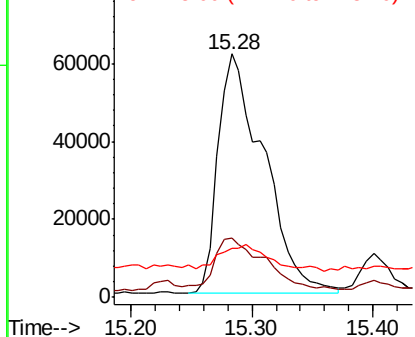


Abundance

Ion 252.00 (251.70 to 252.70): E

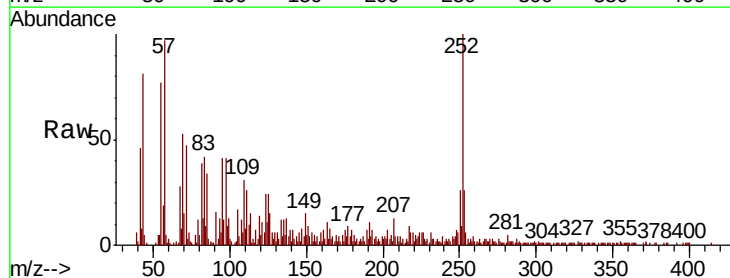
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 8.810 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108738.D
Acq: 4 Sep 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7
125	23.6	9.8	14.6

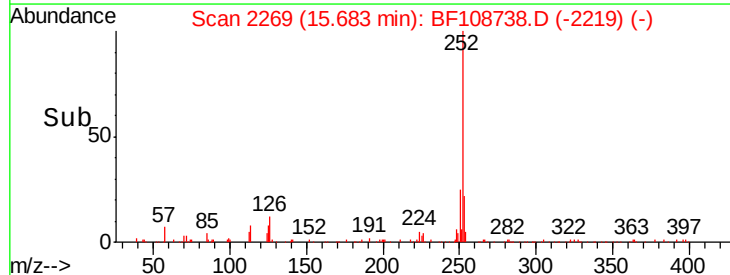
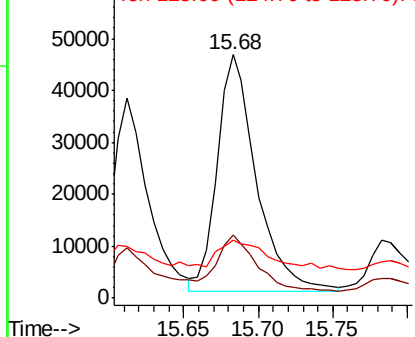


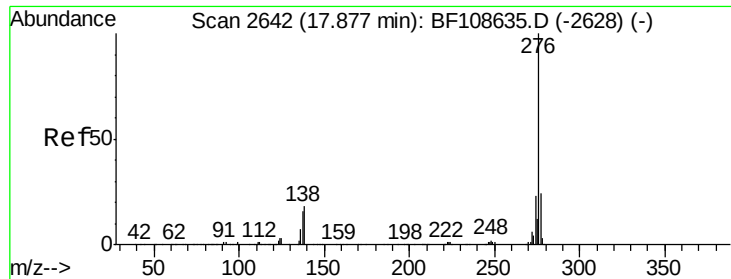
Abundance

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

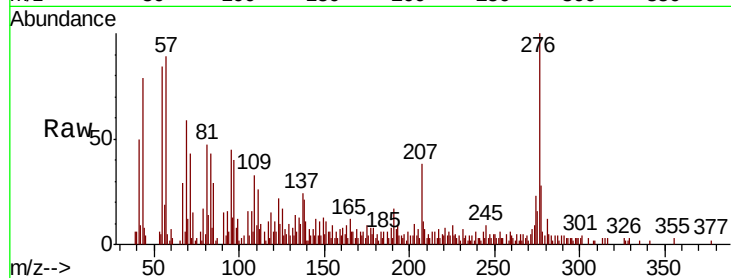




#91
 Benzo(a,h,i)perylene
 Concen: 6.216 ng
 RT: 17.87 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: BF108738.D
 Acq: 4 Sep 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	28.3	17.9	26.9	
138	20.8	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

