

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108560.D
 Acq On : 28 Aug 2018 17:25
 Operator : JU/SJ
 Sample : J4274-05 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 18:21:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	104609	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	416276	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	199033	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	340852	20.00	ng	0.00
75) Chrysene-d12	14.20	240	271904	20.00	ng	0.00
86) Perylene-d12	15.76	264	257479	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	36657	6.34	ng	0.02
7) Phenol-d6	6.65	99	56920	7.41	ng	0.02
23) Nitrobenzene-d5	7.56	82	36481	4.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	13046	6.57	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	79484	6.41	ng	-0.01
78) Terphenyl-d14	13.12	244	63791	5.97	ng	0.00

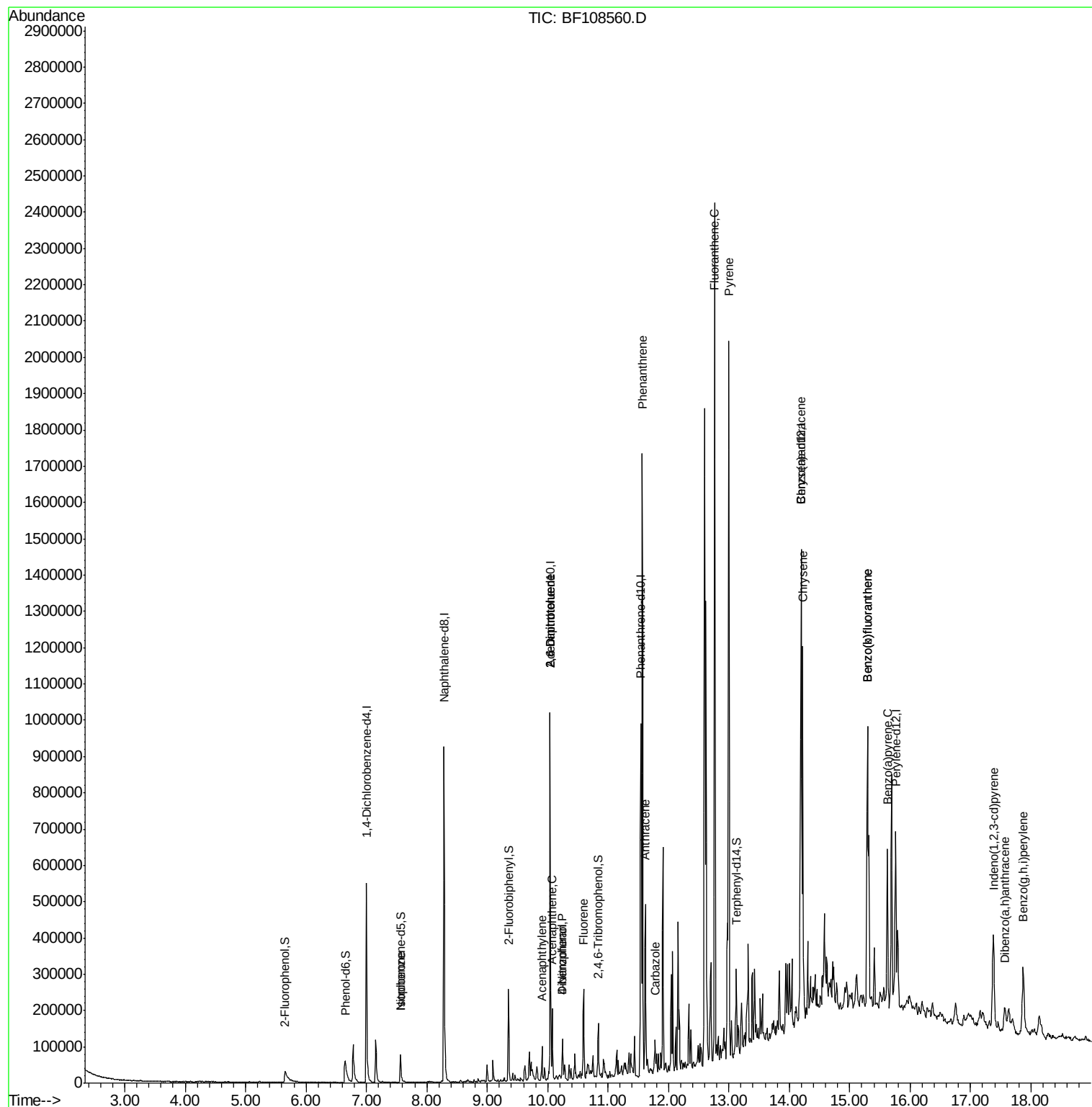
Target Compounds				Qvalue		
25) Isophorone	7.56	82	36481	2.566	ng	# 64
48) Acenaphthylene	9.91	152	37525	2.047	ng	99
50) 2,6-Dinitrotoluene	10.04	165	25961	8.950	ng	# 26
51) Acenaphthene	10.08	154	36532	3.253	ng	99
54) Dibenzofuran	10.25	168	39108	2.404	ng	99
55) 4-Nitrophenol	10.25	139	15278	6.357	ng	# 12
56) 2,4-Dinitrotoluene	10.04	165	25961	6.953	ng	# 24
57) Fluorene	10.60	166	66902	5.194	ng	99
70) Phenanthrene	11.57	178	622610	38.727	ng	100
71) Anthracene	11.62	178	181863	11.037	ng	99
72) Carbazole	11.78	167	31507	2.152	ng	98
74) Fluoranthene	12.77	202	972265	55.413	ng	96
77) Pyrene	13.00	202	851106	49.442	ng	99
80) Benzo(a)anthracene	14.19	228	460043	29.481	ng	97
82) Chrysene	14.22	228	377881	26.414	ng	97
85) Indeno(1,2,3-cd)pyrene	17.38	276	178201	14.376	ng	# 87
87) Benzo(b)fluoranthene	15.29	252	660867	42.954	ng	# 96
88) Benzo(k)fluoranthene	15.29	252	660867	46.728	ng	# 96
89) Benzo(a)pyrene	15.62	252	226952	16.473	ng	97
90) Dibenzo(a,h)anthracene	17.57	278	37560	3.295	ng	93
91) Benzo(g,h,i)perylene	17.88	276	163812	14.594	ng	# 88

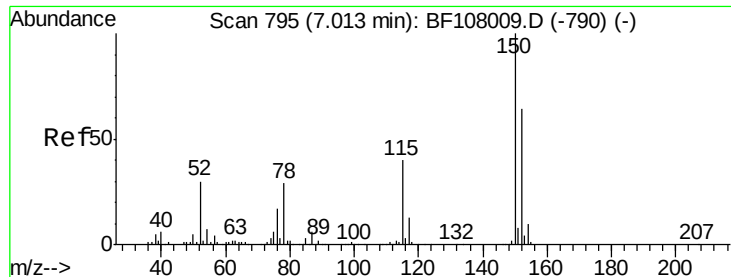
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108560.D
Acq On : 28 Aug 2018 17:25
Operator : JU/SJ
Sample : J4274-05 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 28 18:21:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
Response via : Initial Calibration



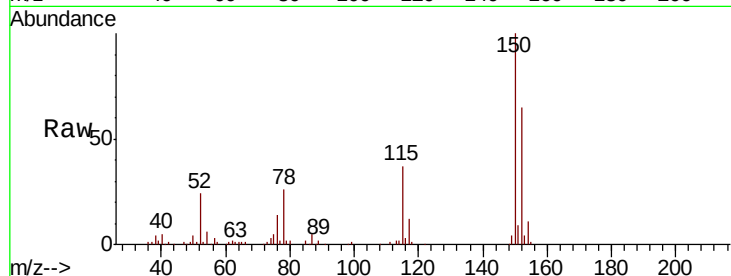


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	56.3	50.1	75.1

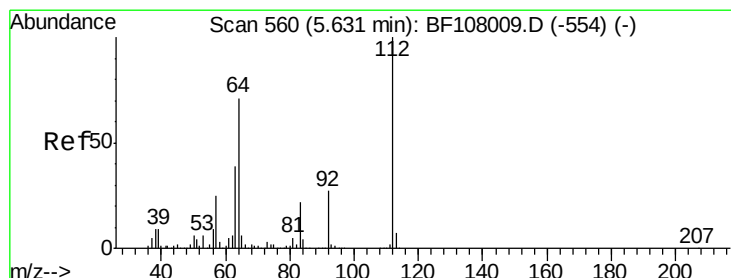
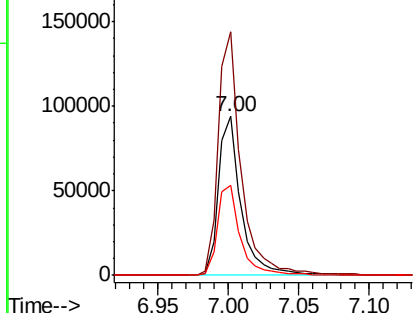
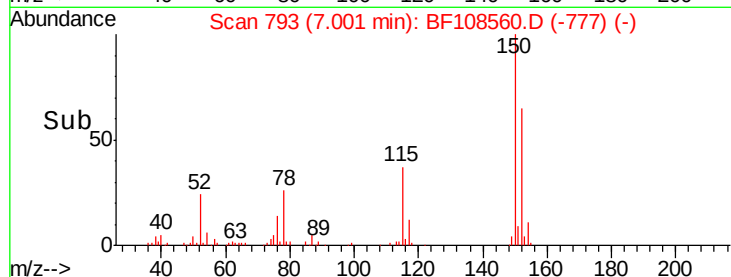


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

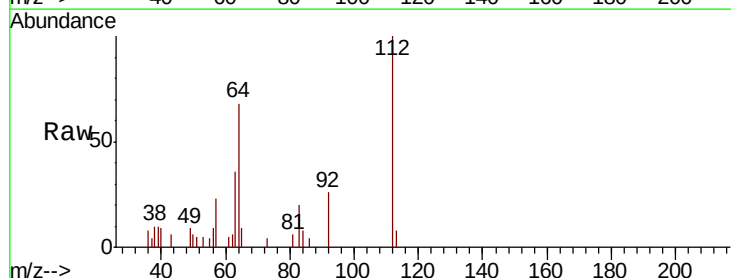
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.344 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	47.9	71.9
63	36.4	23.7	35.5#

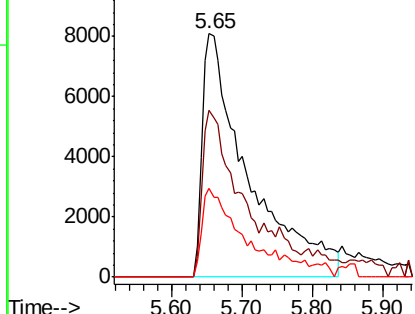
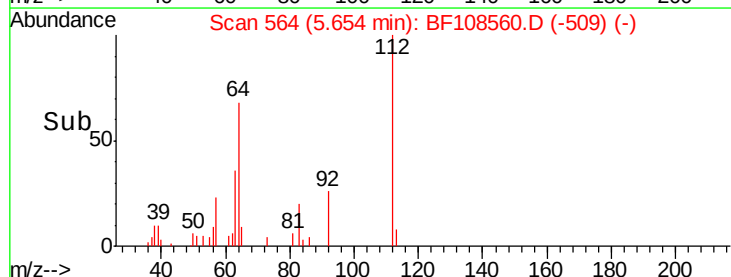


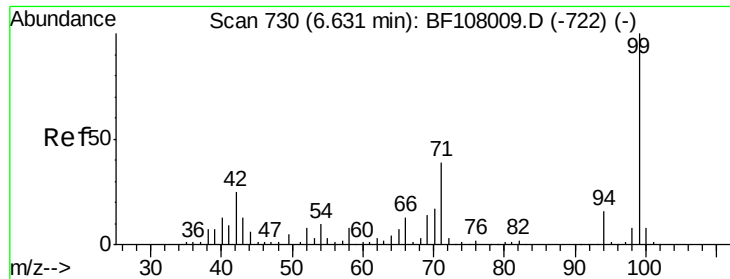
Abundance

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: 7.413 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

ClientSampleId :

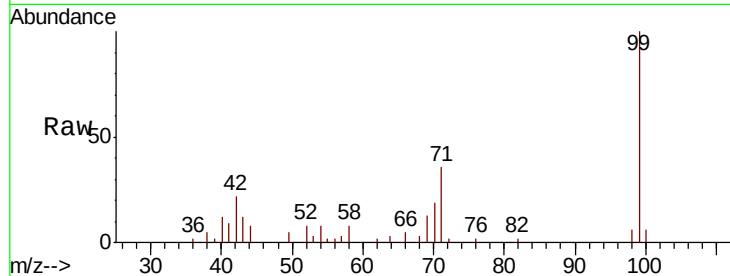
Tot Ion: 99 Resp: 56920

Ion Ratio Lower Upper

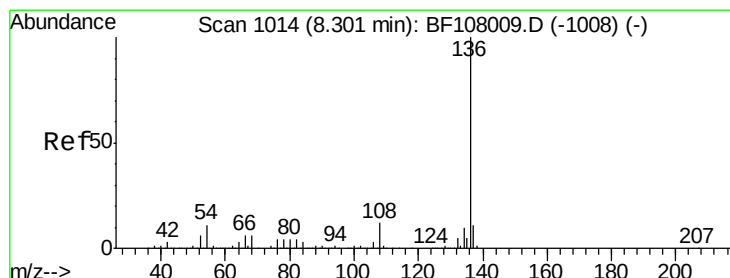
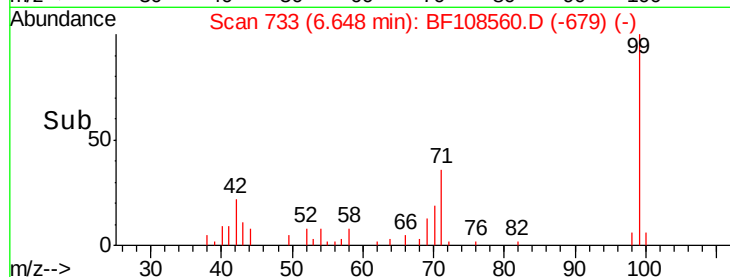
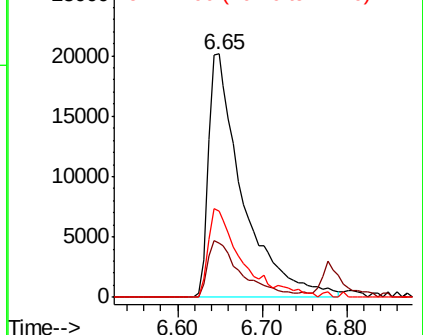
99 100

42 22.2 14.5 21.7#

71 35.5 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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Tgt Ion: 136 Resp: 416276

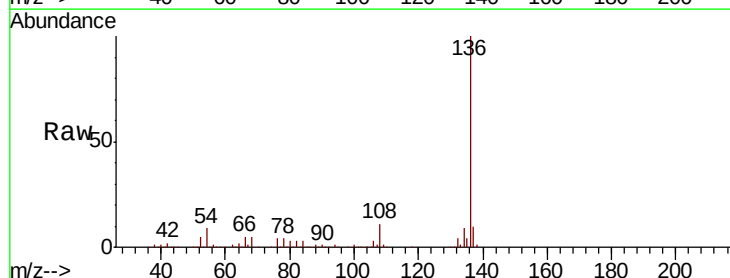
Ion Ratio Lower Upper

136 100

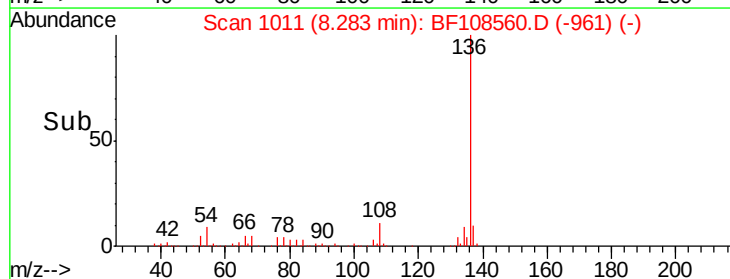
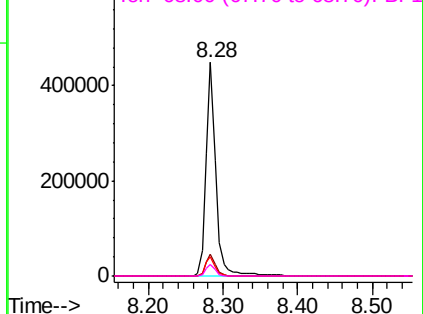
137 10.4 8.9 13.3

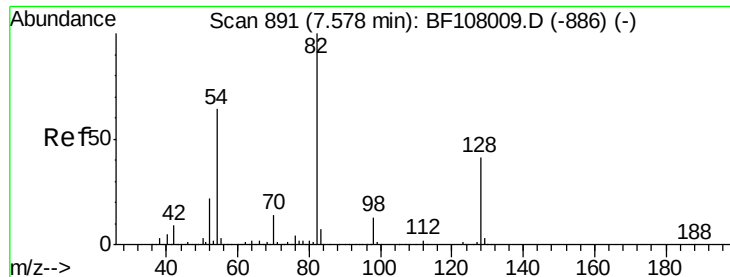
54 9.3 6.6 9.8

68 5.5 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

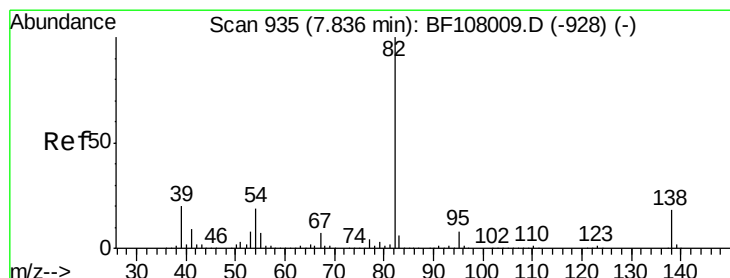
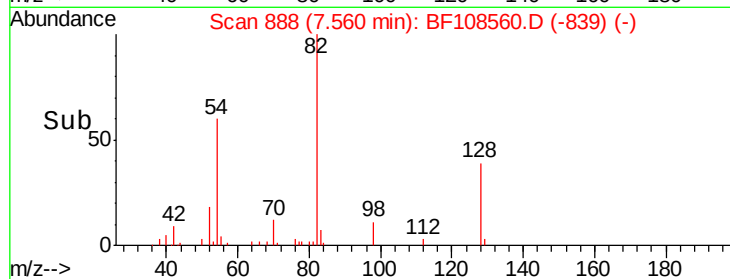
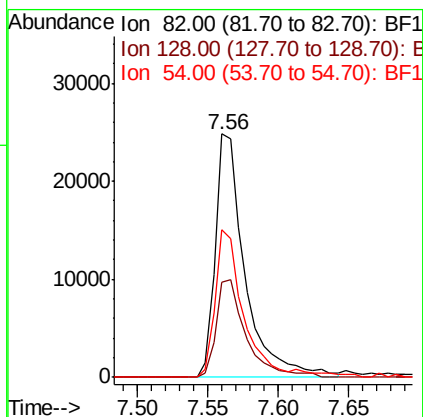
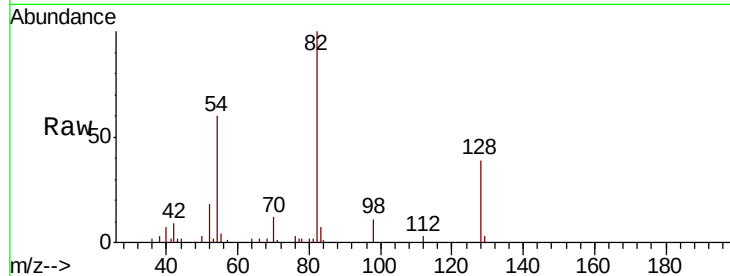




#23
 Nitrobenzene-d5
 Concen: 4.890 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

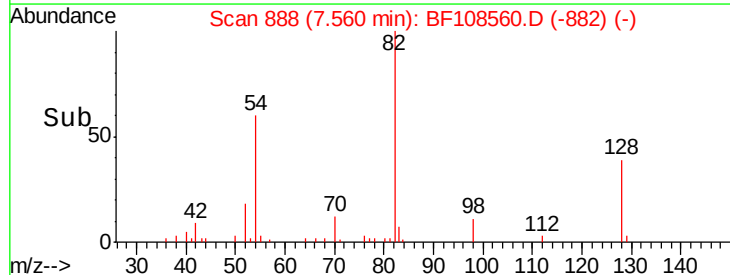
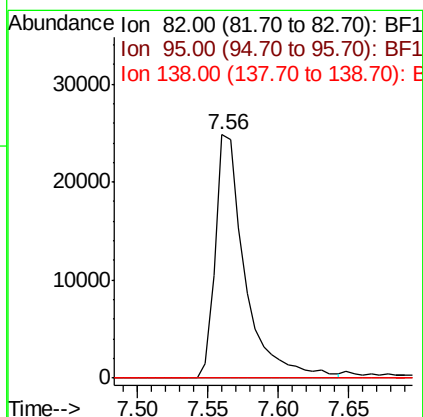
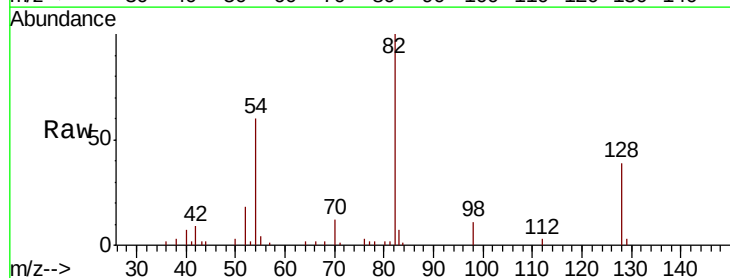
Instrument :
 BNA_F
 ClientSampleID :

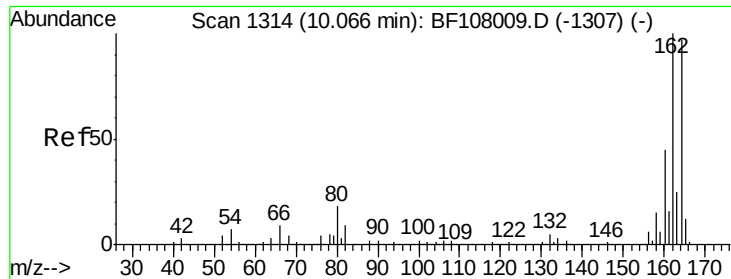
Tot Ion	82	Resp	36481
Ion Ratio	Lower	Upper	
82	100		
128	38.9	36.1	54.1
54	60.4	41.4	62.2



#25
 Isophorone
 Concen: 2.566 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.26 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion	82	Resp	36481
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

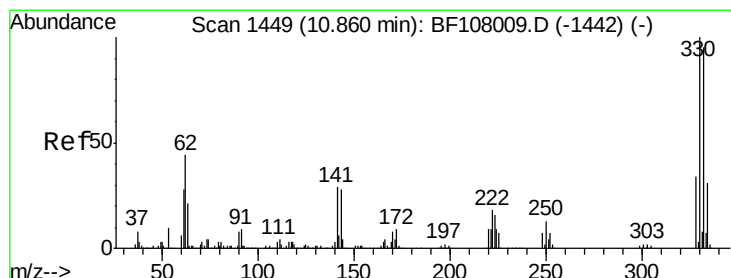
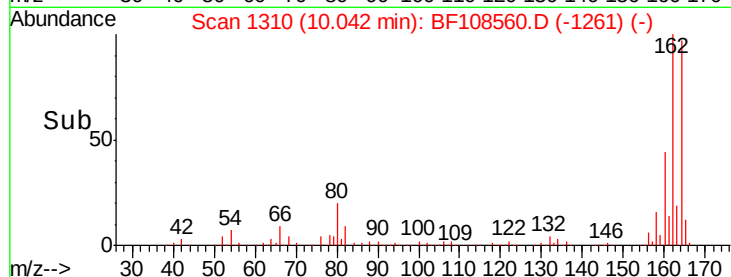
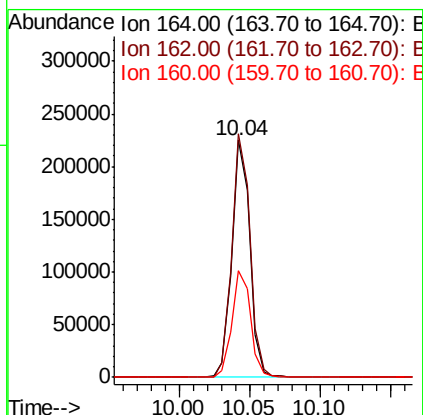
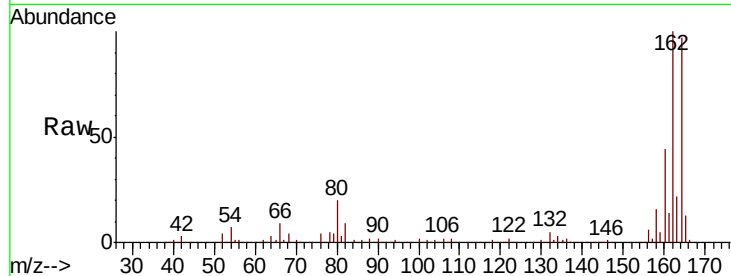




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

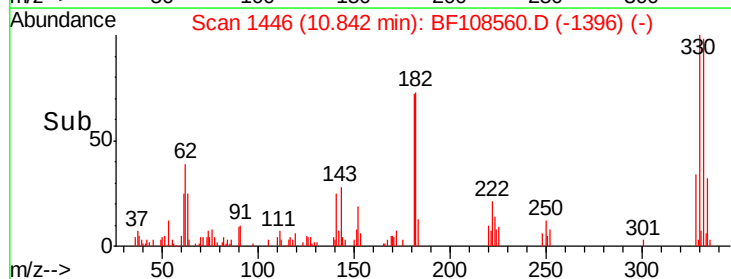
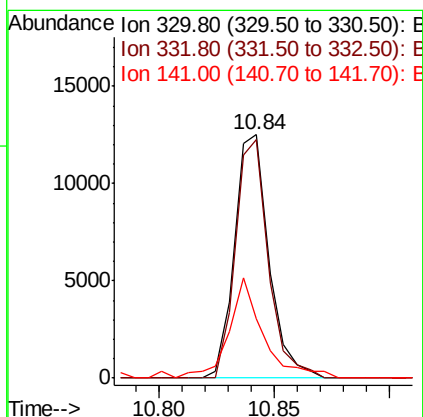
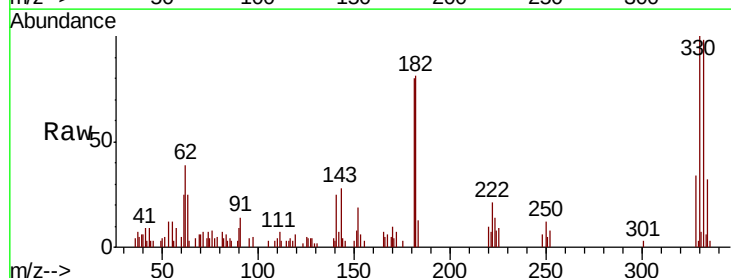
Instrument :
 BNA_F
 ClientSampleId :

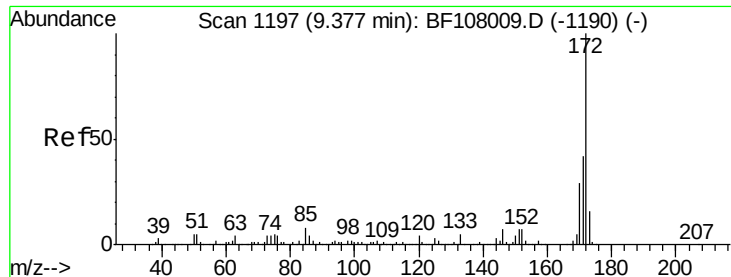
Tot Ion:164 Resp: 199033
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 45.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 6.571 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion:330 Resp: 13046
 Ion Ratio Lower Upper
 330 100
 332 93.1 77.0 115.6
 141 41.9 29.9 44.9

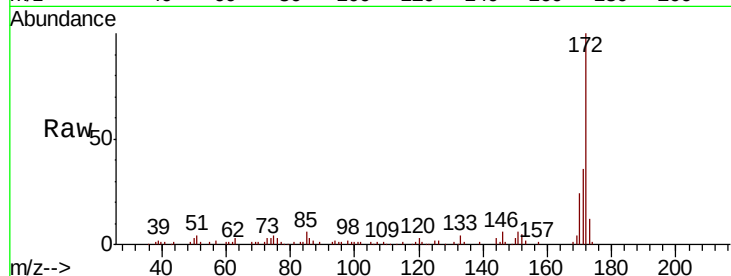




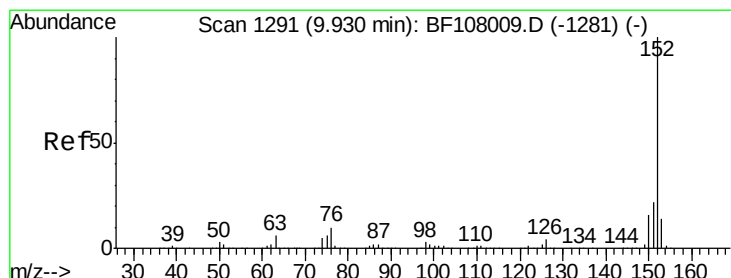
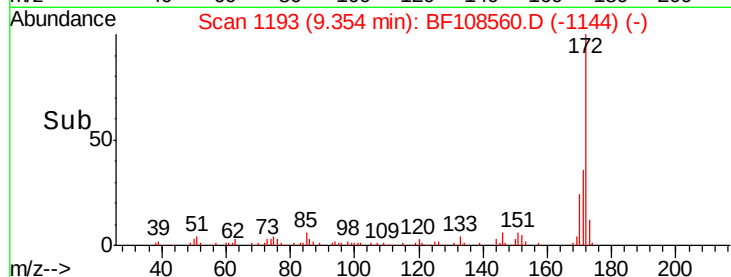
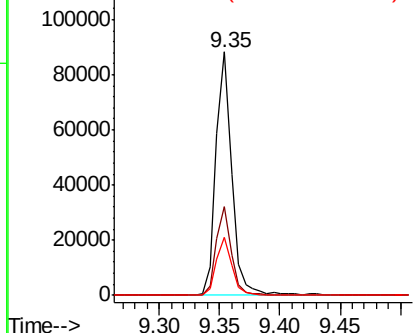
#44
2-Fluorobiphenyl
Concen: 6.411 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 79484
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.9 19.6 29.4

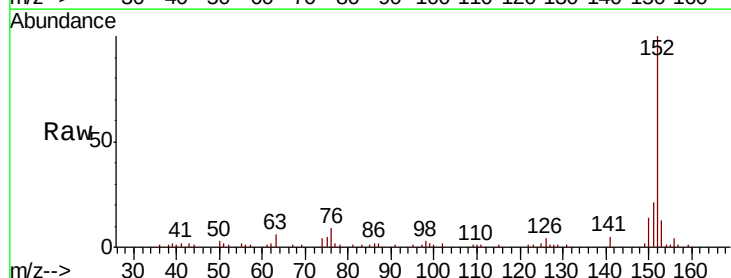


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

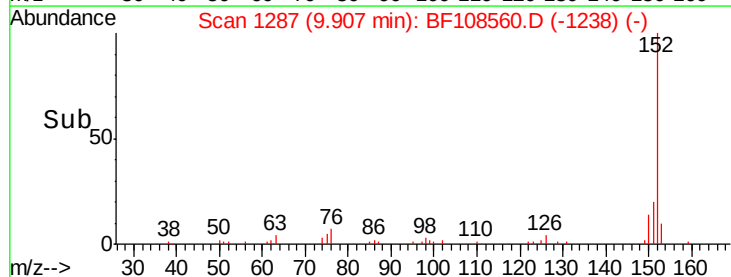
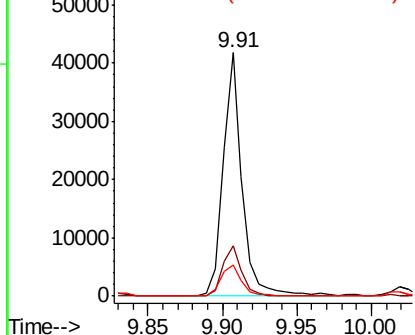


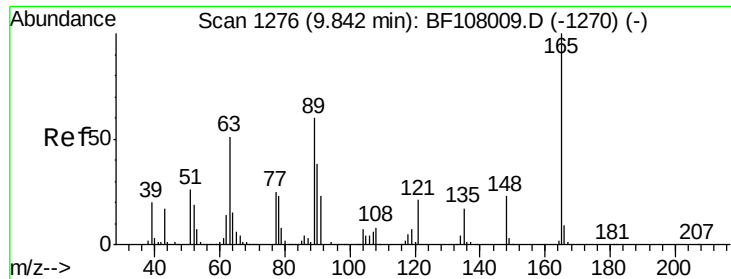
#48
Acenaphthylene
Concen: 2.047 ng
RT: 9.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion:152 Resp: 37525
Ion Ratio Lower Upper
152 100
151 20.7 16.3 24.5
153 13.0 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

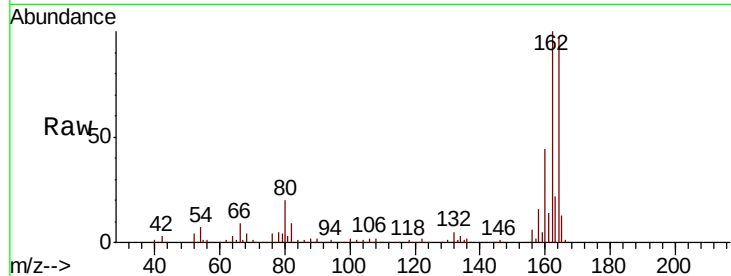




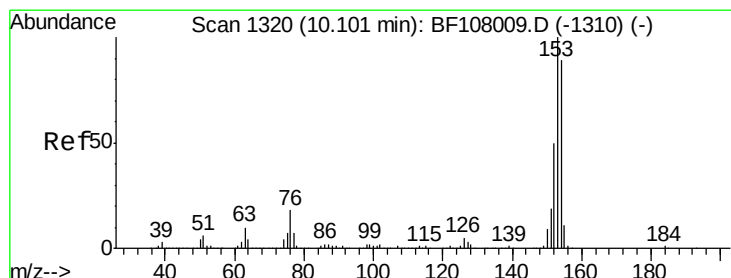
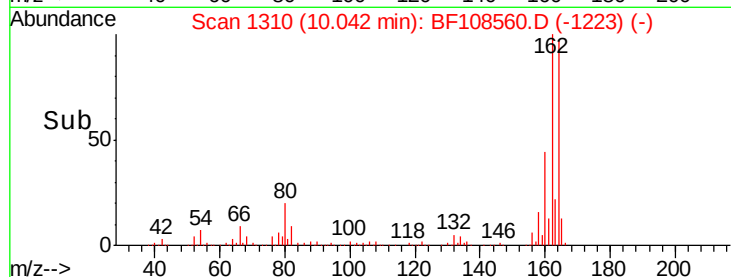
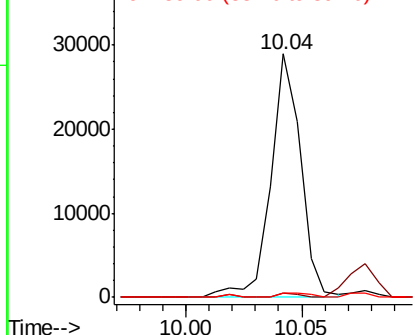
#50
2,6-Dinitrotoluene
Concen: 8.950 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.7	44.0	66.0#

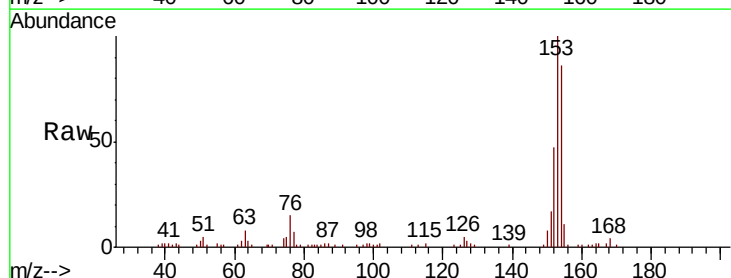


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

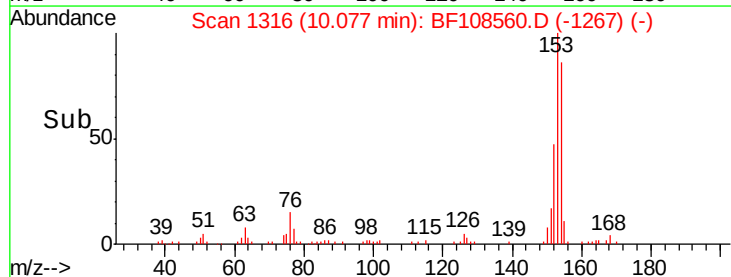
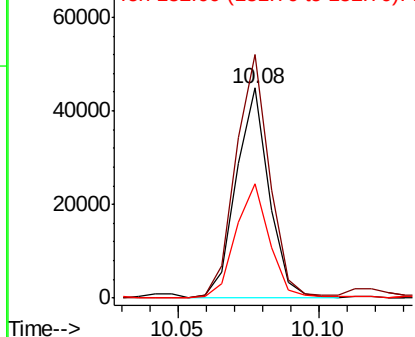


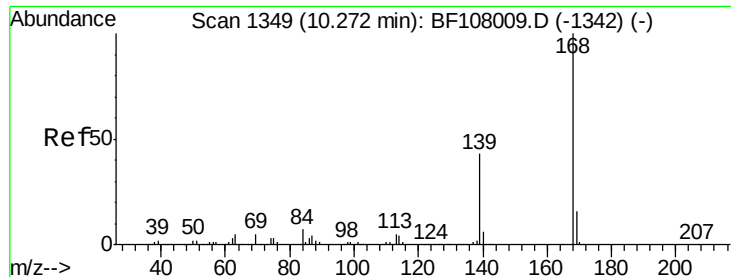
#51
Acenaphthene
Concen: 3.253 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.8	91.2	136.8
152	54.3	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





#54

Dibenzofuran

Concen: 2.404 ng

RT: 10.25 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

ClientSampleId :

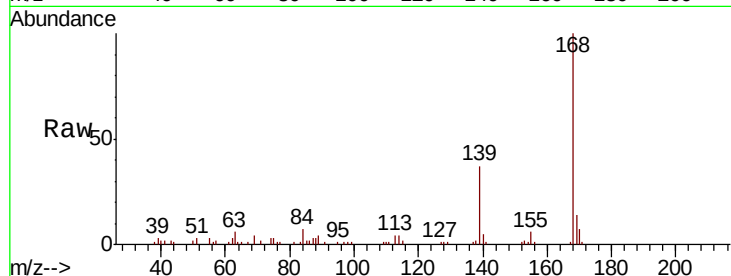
Tot Ion:168 Resp: 39108

Ion Ratio Lower Upper

168 100

139 37.4 30.1 45.1

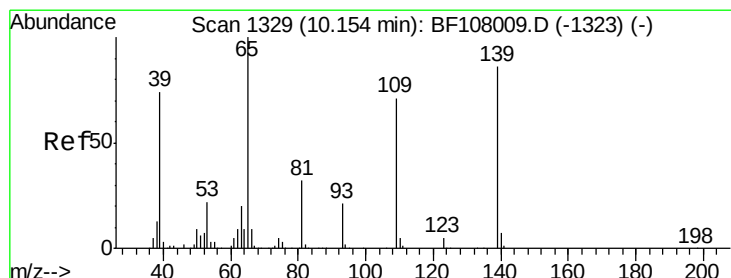
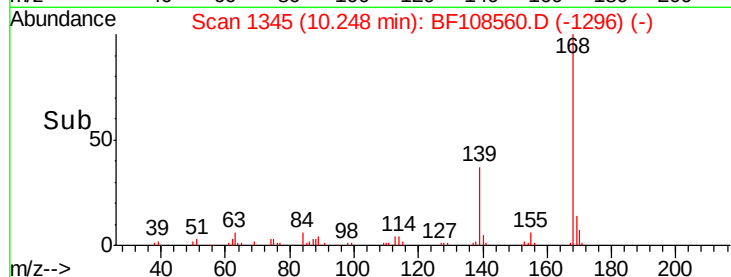
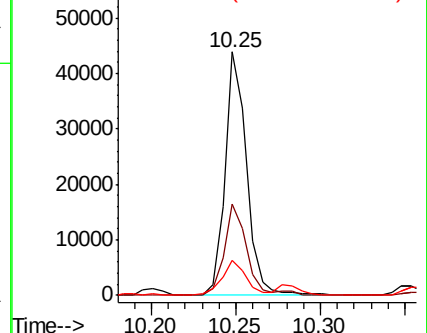
169 14.4 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 6.357 ng

RT: 10.25 min Scan# 1345

Delta R.T. 0.09 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

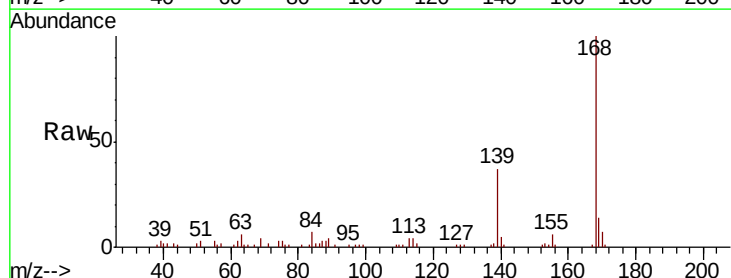
Tgt Ion:139 Resp: 15278

Ion Ratio Lower Upper

139 100

109 2.4 48.4 88.4#

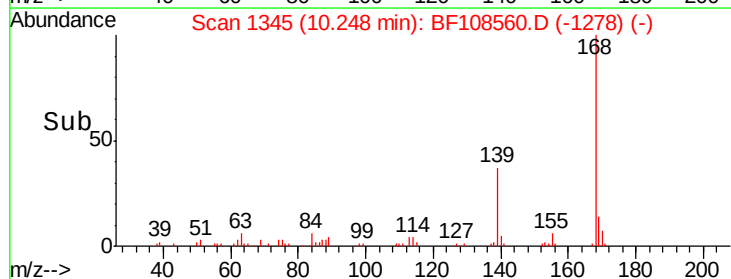
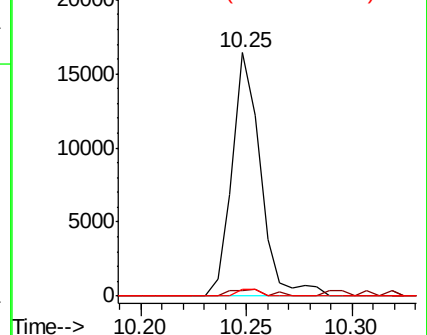
65 3.0 72.6 112.6#

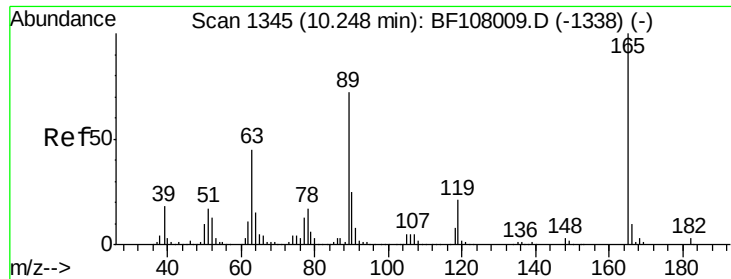


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

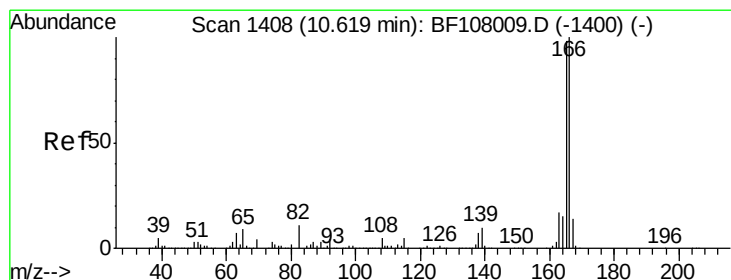
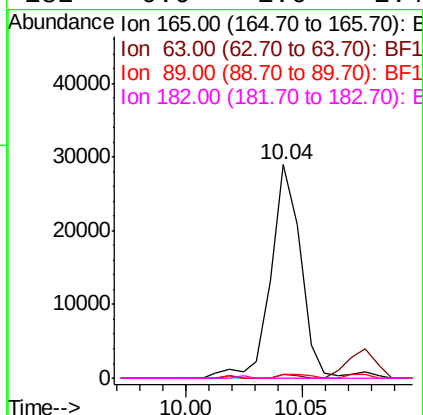
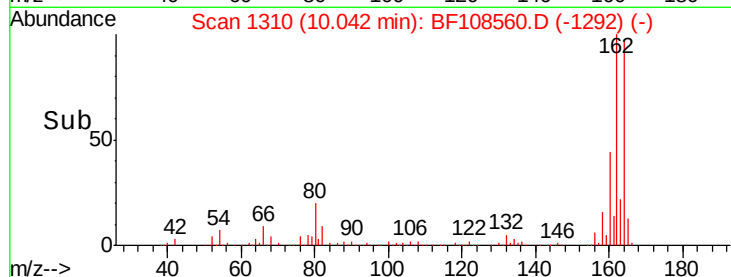
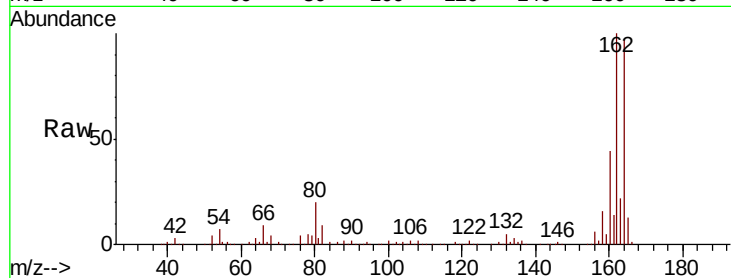




#56
2,4-Dinitrotoluene
Concen: 6.953 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

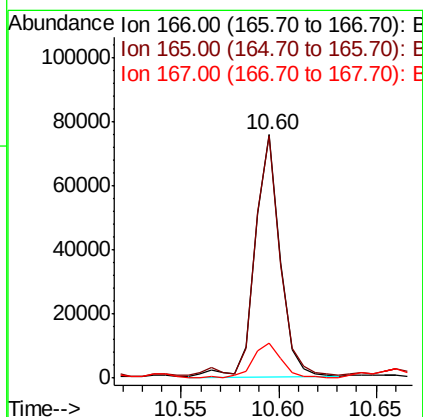
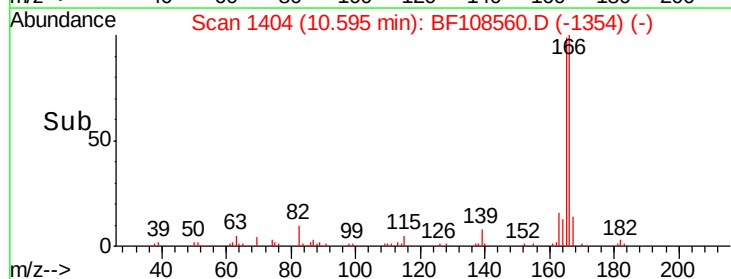
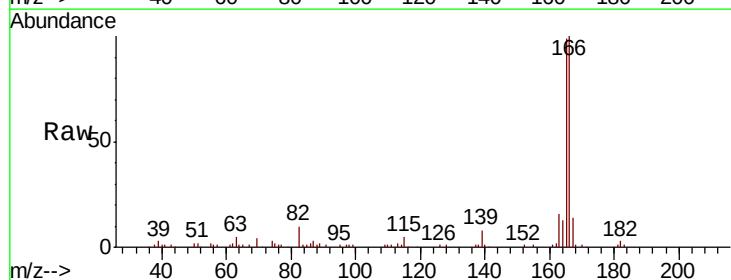
Instrument :
BNA_F
ClientSampleId :

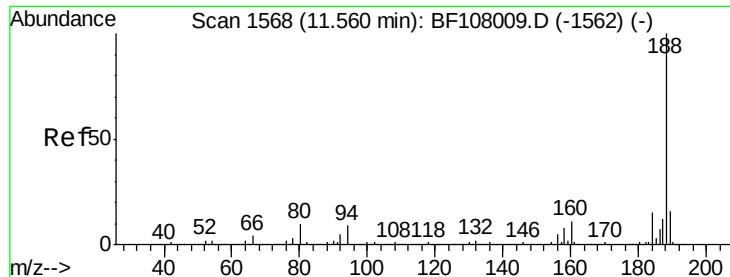
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 5.194 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	14.4	10.6	16.0

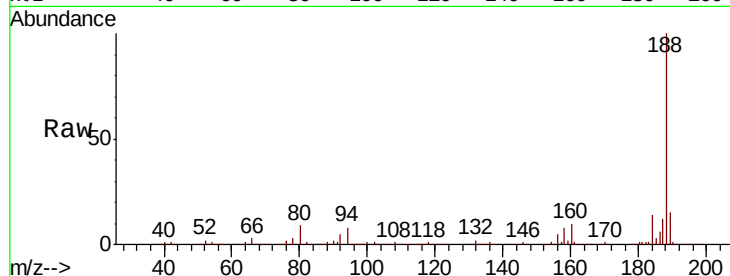




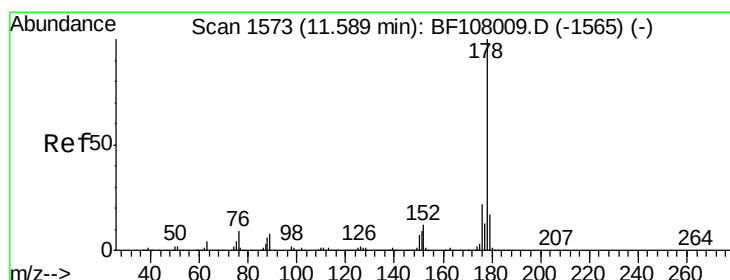
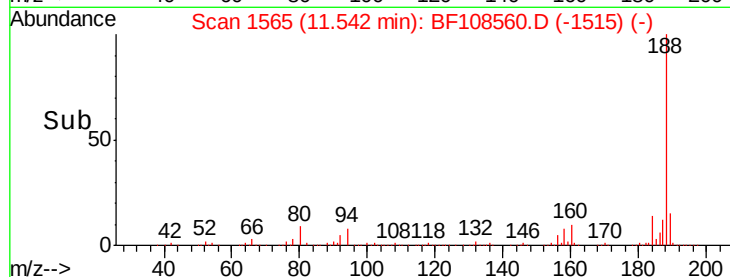
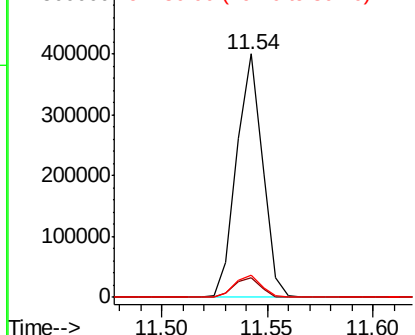
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 340852
Ion Ratio Lower Upper
188 100
94 8.1 8.5 12.7#
80 9.0 9.2 13.8#

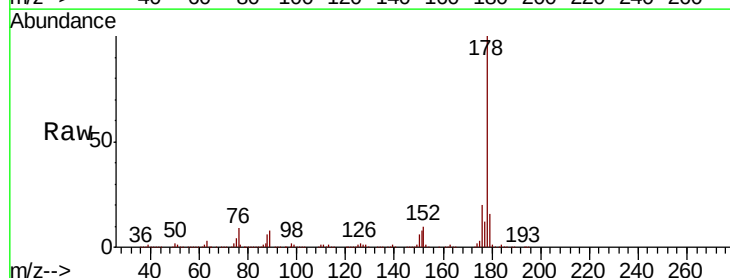


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

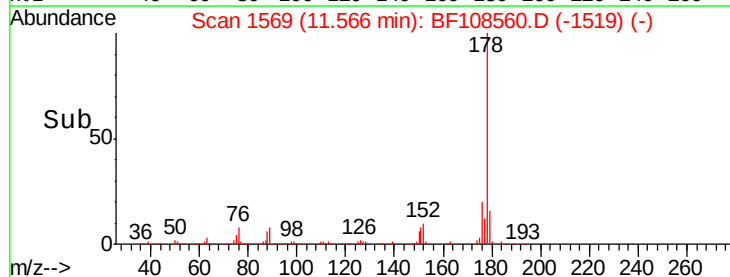
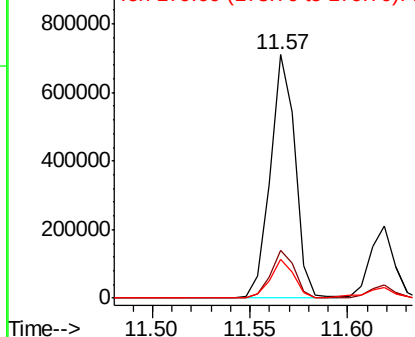


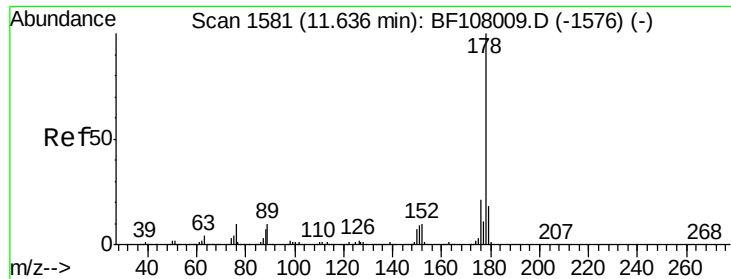
#70
Phenanthrene
Concen: 38.727 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion:178 Resp: 622610
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.0 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

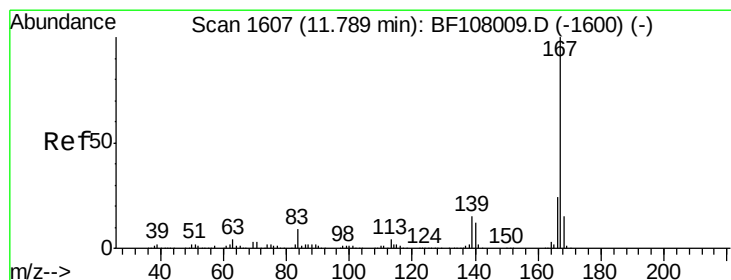
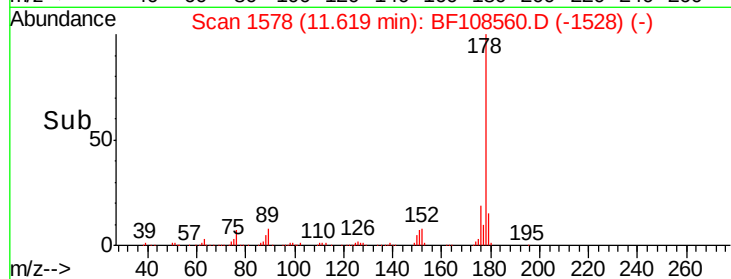
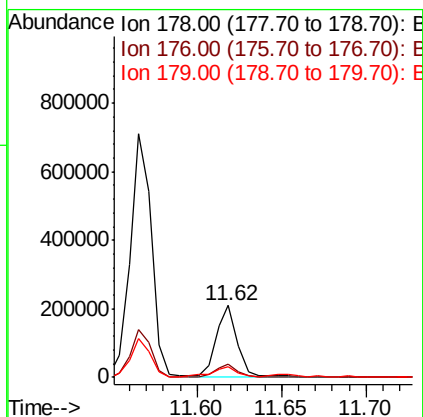
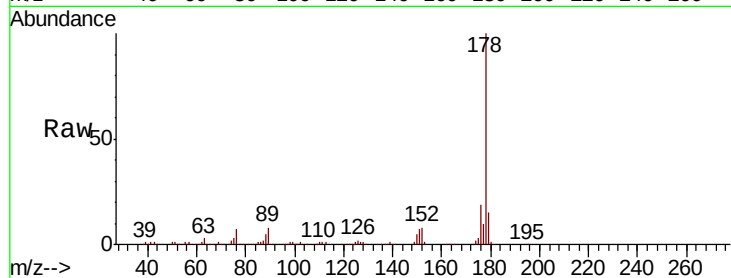




#71
 Anthracene
 Concen: 11.037 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

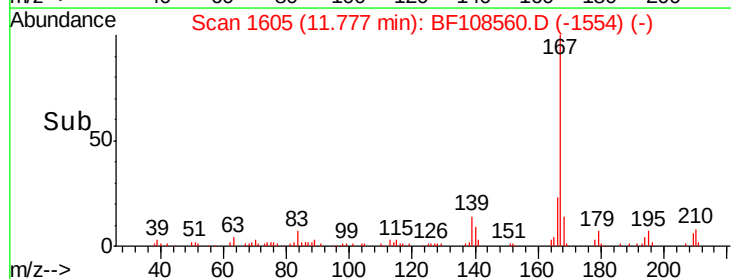
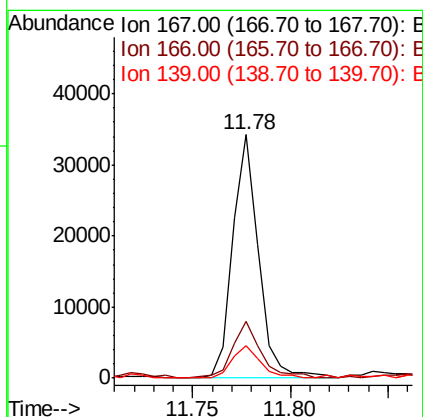
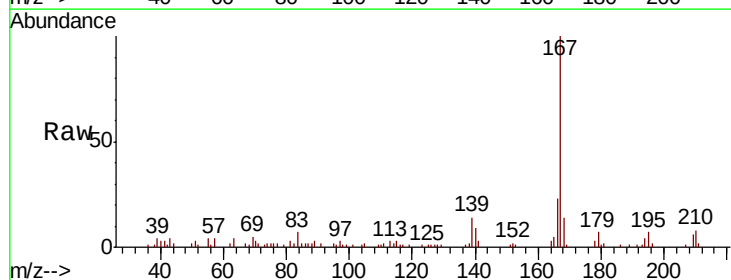
Instrument :
 BNA_F
 ClientSampled :

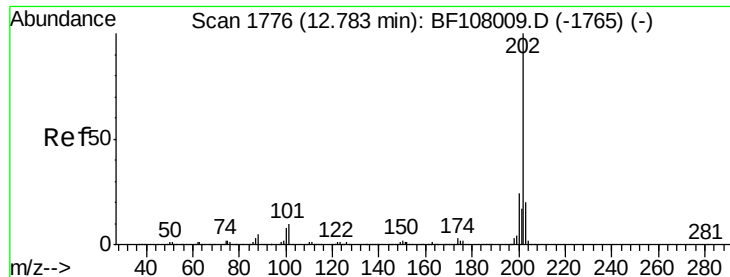
Tot Ion:178 Resp: 181863
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.3 12.6 19.0



#72
 Carbazole
 Concen: 2.152 ng
 RT: 11.78 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Tgt Ion:167 Resp: 31507
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.6 26.4
 139 13.5 10.9 16.3





#74

Fluoranthene

Concen: 55.413 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

ClientSampleId :

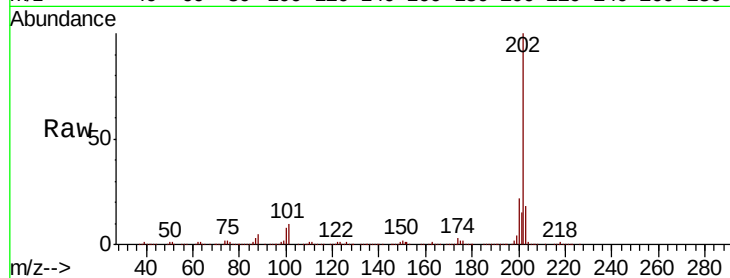
Tot Ion:202 Resp: 972265

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

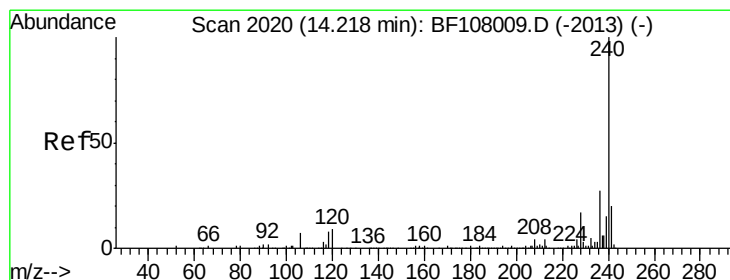
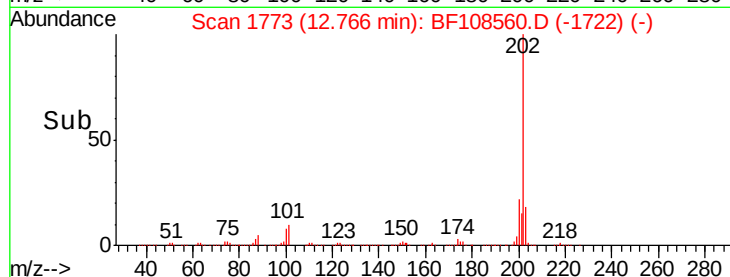
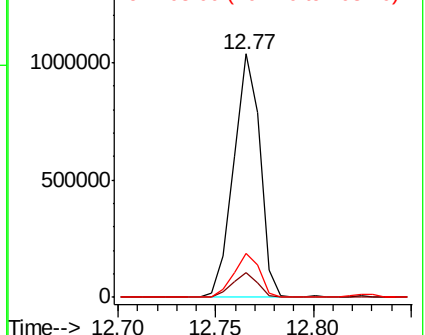
203 18.0 0.0 38.1



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: 14.20 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

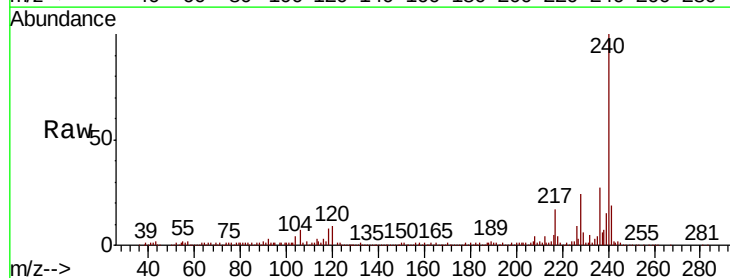
Tgt Ion:240 Resp: 271904

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

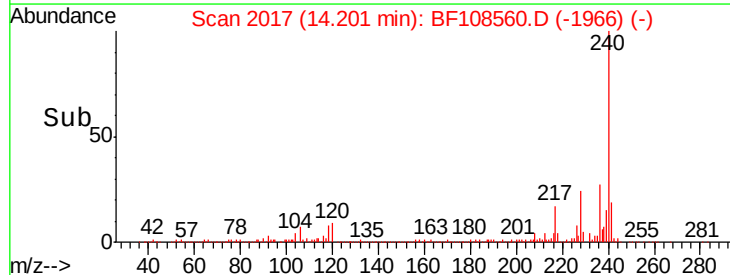
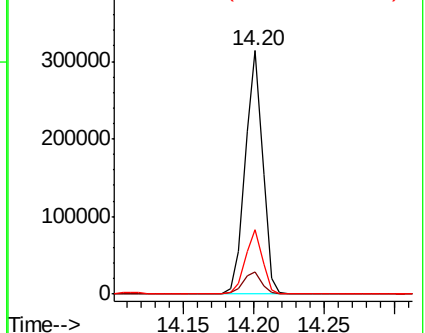
236 26.7 20.7 31.1

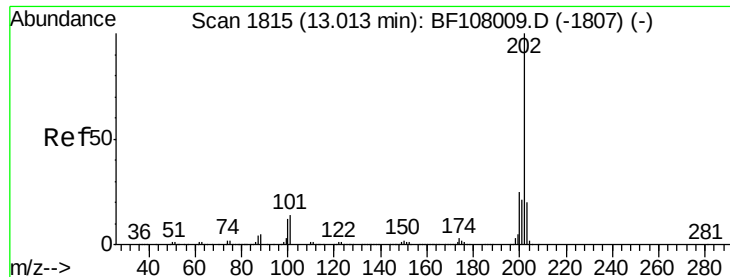


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 49.442 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

ClientSampleId :

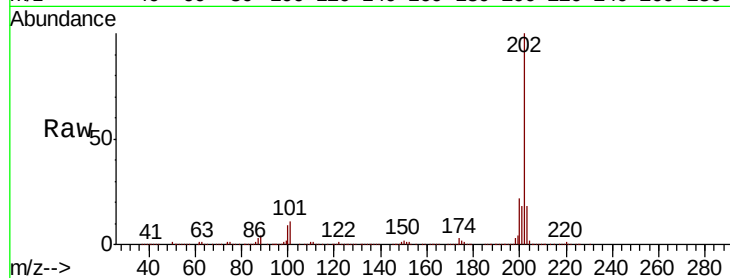
Tot Ion:202 Resp: 851106

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

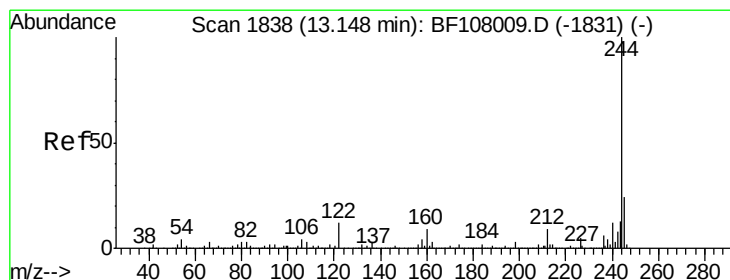
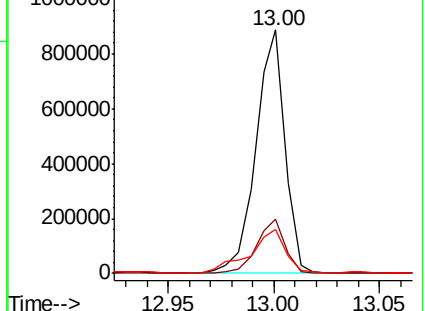
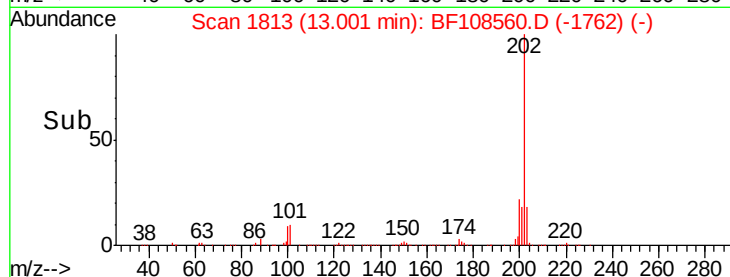
203 18.2 14.3 21.5



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: 5.965 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

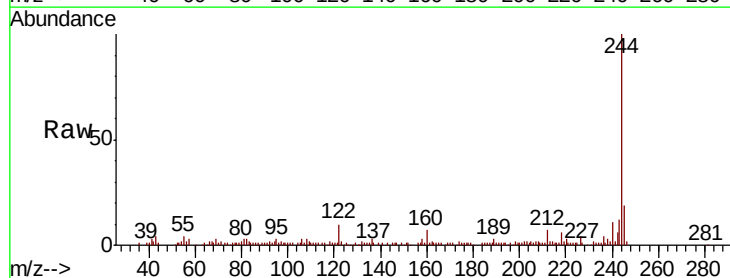
Tgt Ion:244 Resp: 63791

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

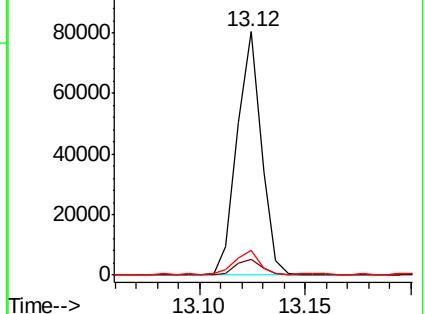
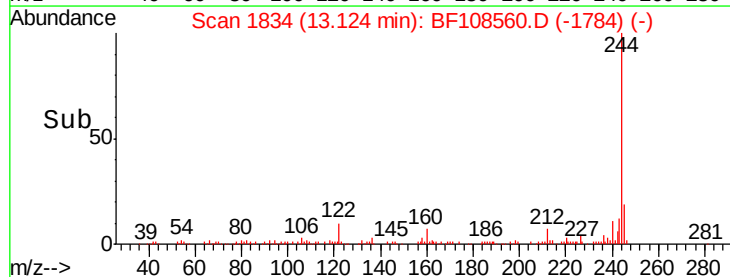
122 10.1 11.0 16.4#

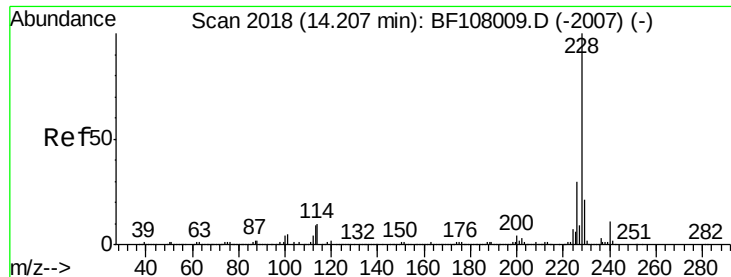


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 29.481 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

ClientSampleId :

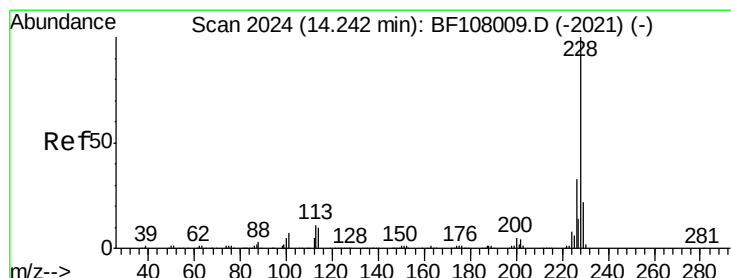
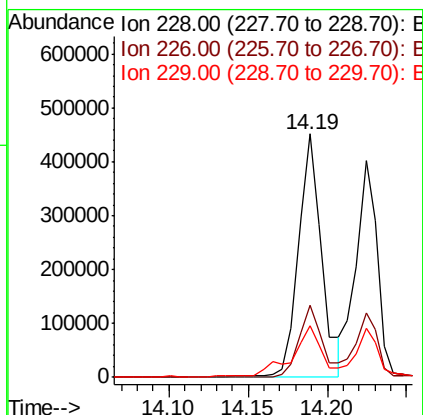
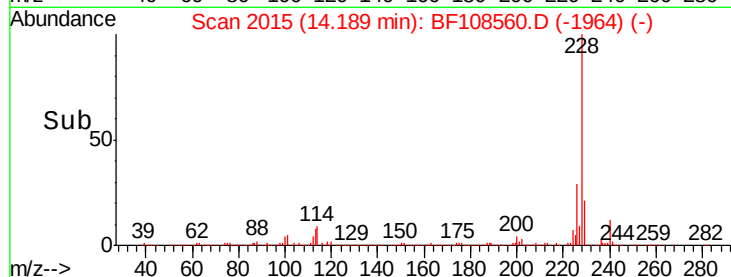
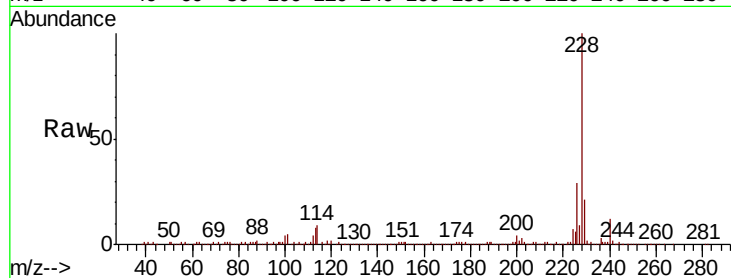
Tot Ion:228 Resp: 460043

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

229 21.5 15.8 23.6



#82

Chrysene

Concen: 26.414 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

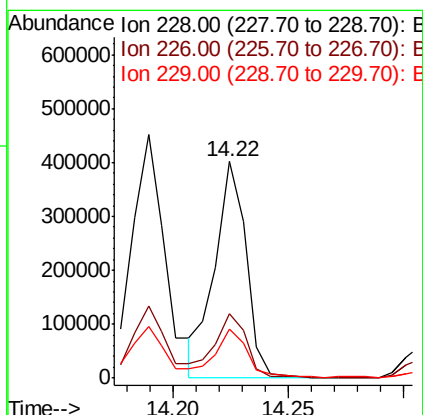
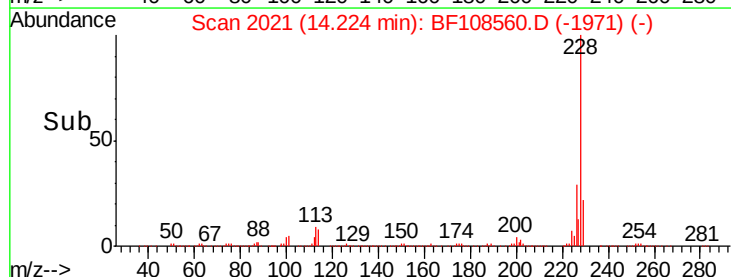
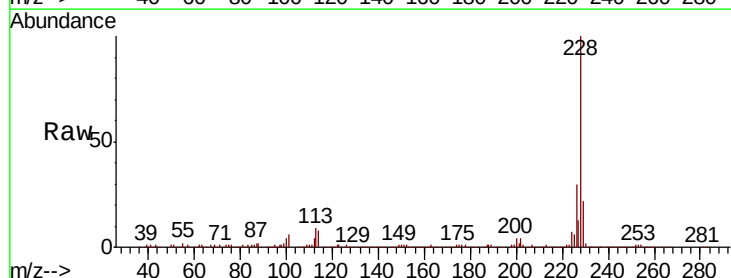
Tgt Ion:228 Resp: 377881

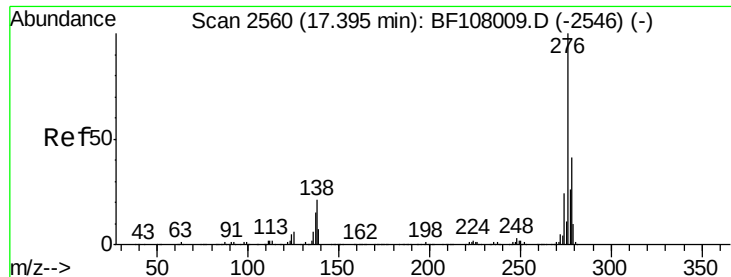
Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 22.5 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 14.376 ng

RT: 17.38 min Scan# 2557

Delta R.T. 0.01 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

Instrument :

BNA_F

ClientSampleId :

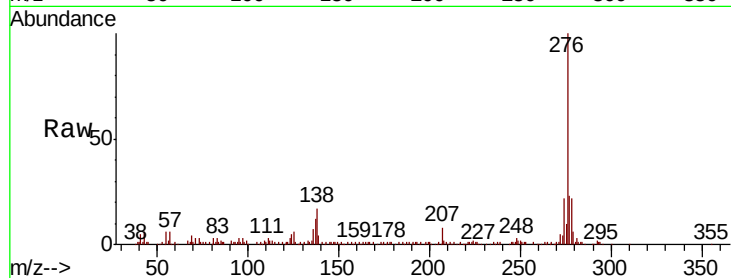
Tot Ion:276 Resp: 178201

Ion Ratio Lower Upper

276 100

138 18.5 25.0 37.6#

277 24.9 20.1 30.1

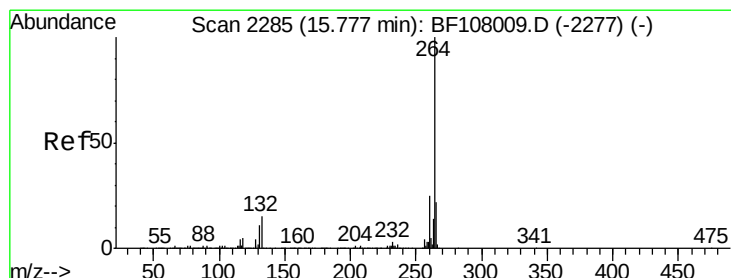
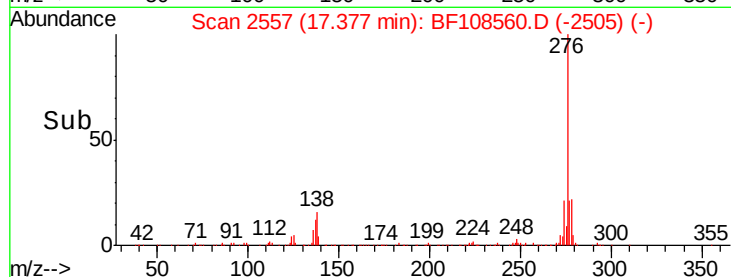
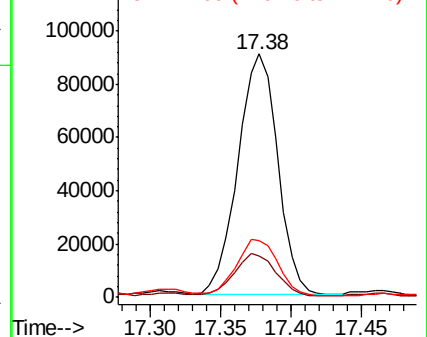


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.76 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BF108560.D

Acq: 28 Aug 2018 17:25

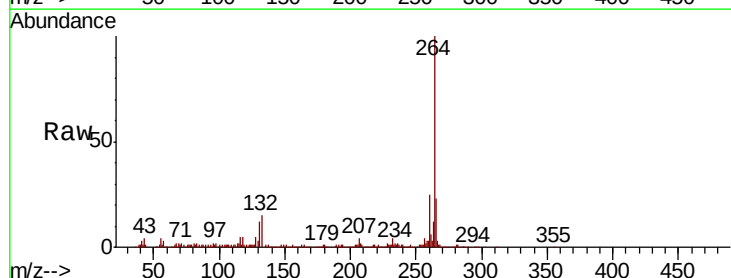
Tgt Ion:264 Resp: 257479

Ion Ratio Lower Upper

264 100

260 25.2 19.2 28.8

265 22.5 17.5 26.3

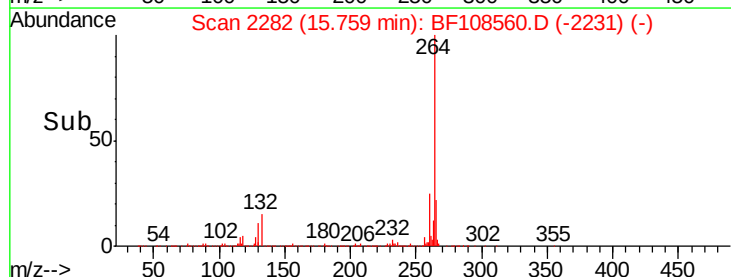
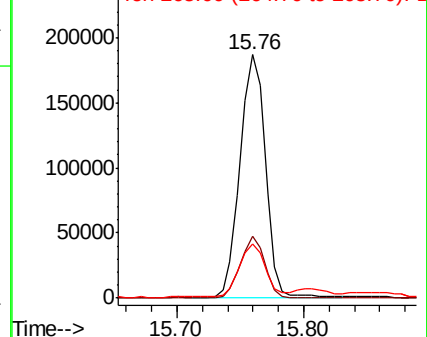


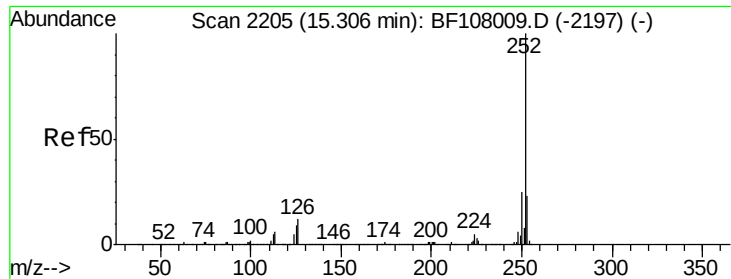
Abundance

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

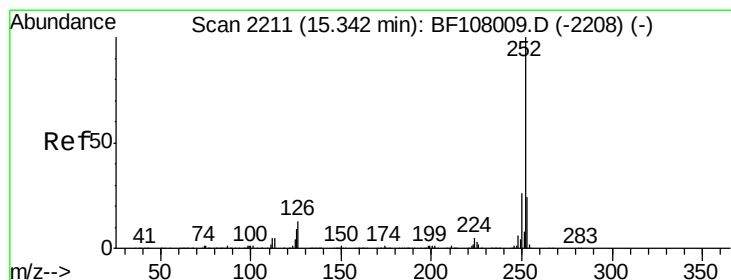
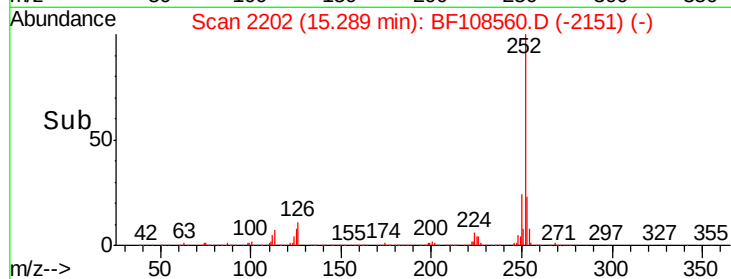
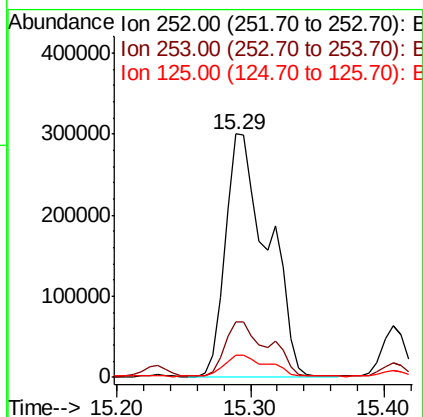
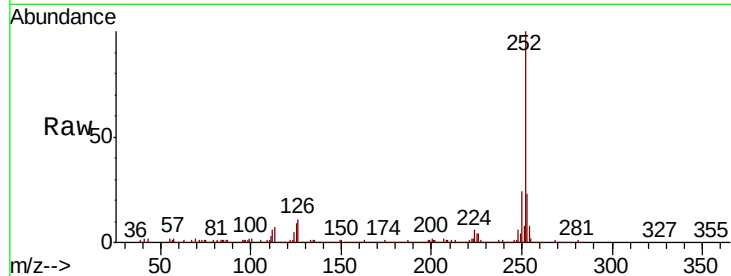




#87
Benzo(b)fluoranthene
Concen: 42.954 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

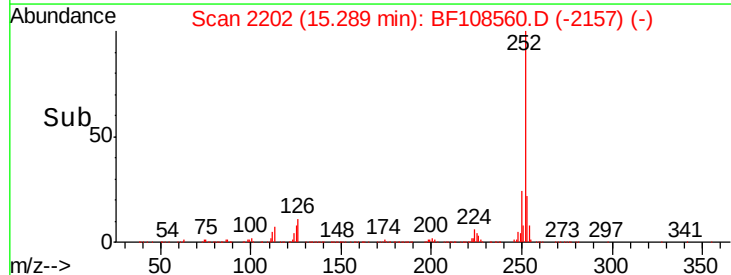
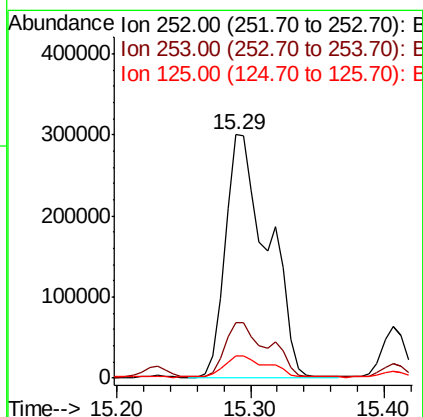
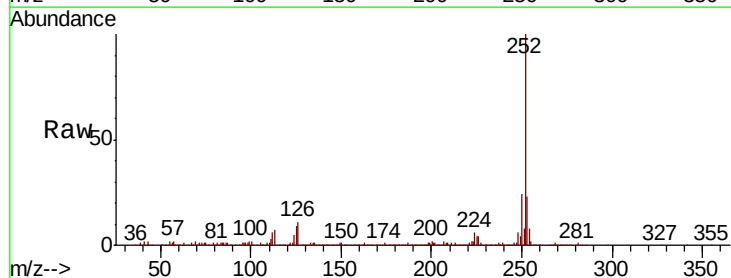
Instrument :
BNA_F
ClientSampleId :

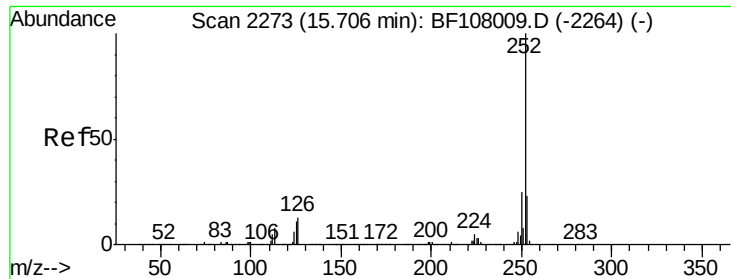
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.0	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 46.728 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	9.0	10.2	15.2

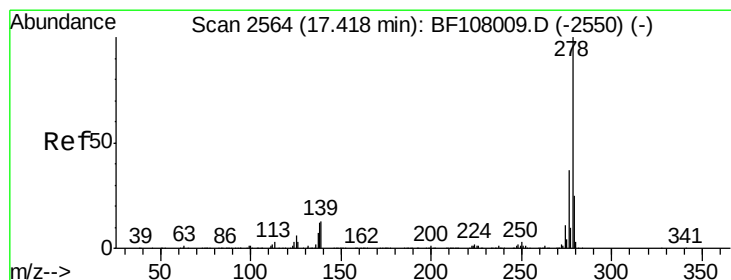
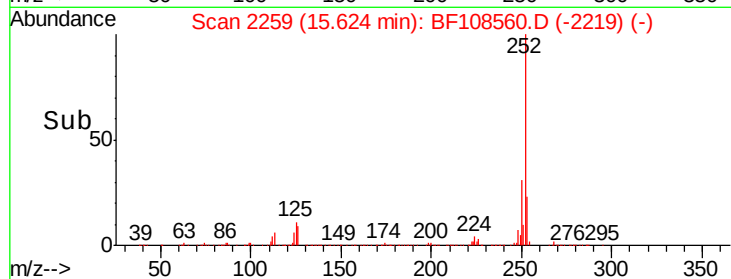
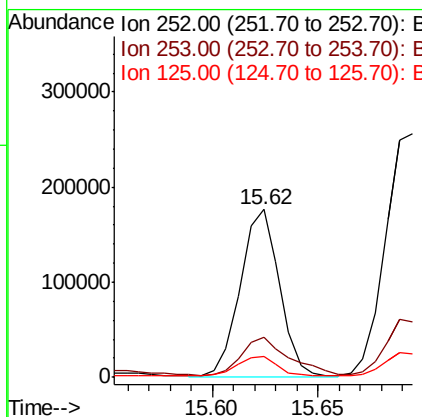
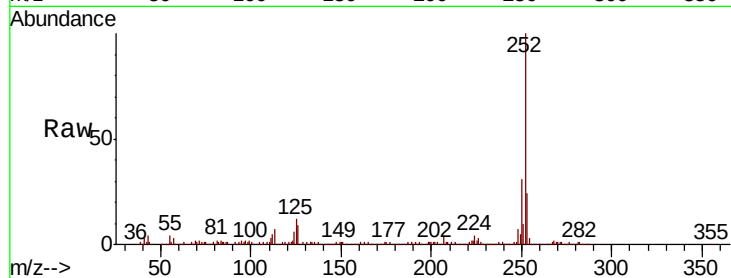




#89
Benzo(a)pyrene
Concen: 16.473 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.06 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

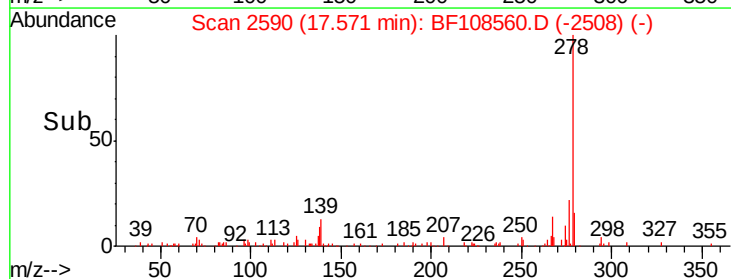
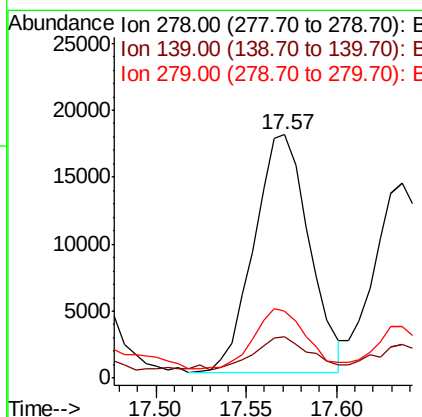
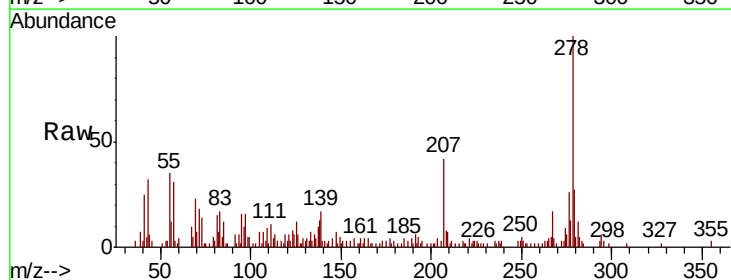
Instrument :
BNA_F
ClientSampleId :

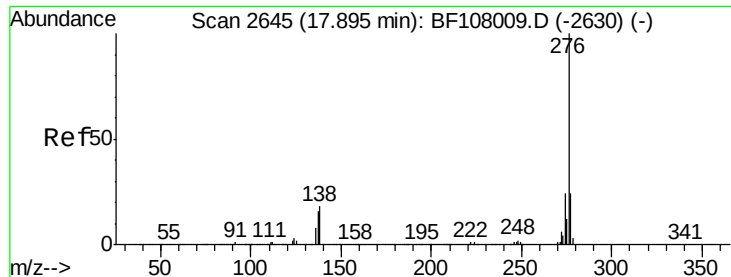
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	12.1	9.8	14.6



#90
Dibenzo(a,h)anthracene
Concen: 3.295 ng
RT: 17.57 min Scan# 2590
Delta R.T. 0.18 min
Lab File: BF108560.D
Acq: 28 Aug 2018 17:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	15.9	23.9
279	27.4	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 14.594 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. 0.01 min
 Lab File: BF108560.D
 Acq: 28 Aug 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	17.2	21.8	32.8

