

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107313.D
 Acq On : 11 Jul 2018 21:06
 Operator : JU/SJ
 Sample : J3914-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEMH

Quant Time: Jul 12 01:05:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	62056	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	215113	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	96415	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	191488	20.00	ng	0.00
75) Chrysene-d12	14.14	240	154587	20.00	ng	0.00
86) Perylene-d12	15.68	264	107467	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	382079	104.26	ng	0.01
7) Phenol-d6	6.58	99	464584	101.51	ng	0.00
23) Nitrobenzene-d5	7.50	82	279934	72.32	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	125331	112.16	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	468536	81.68	ng	0.00
78) Terphenyl-d14	13.07	244	537352	84.20	ng	0.00

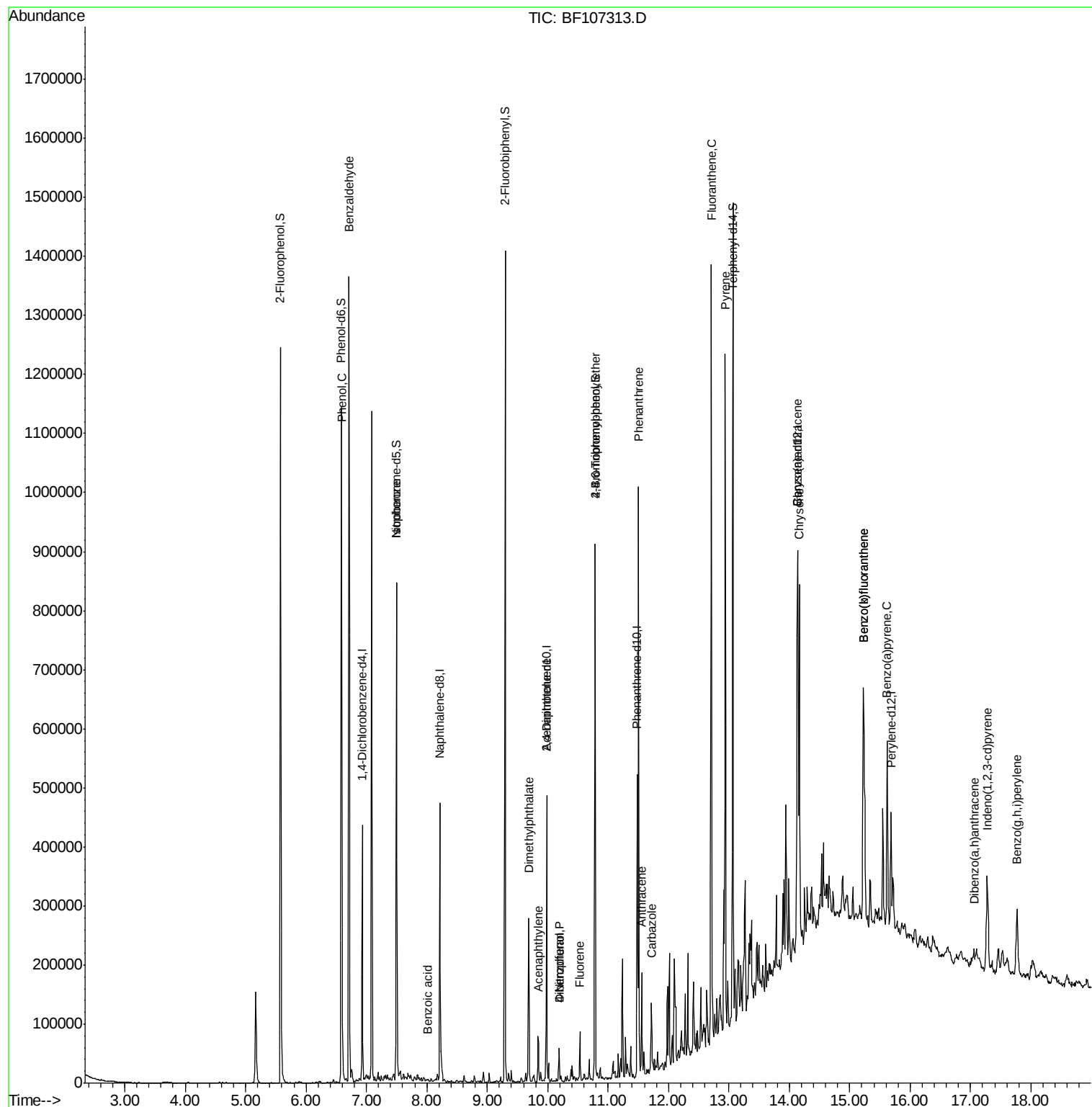
Target Compounds				Qvalue		
9) Benzaldehyde	6.71	77	8081	2.105	ng	84
10) Phenol	6.60	94	12036	2.304	ng	# 74
20) 3+4-Methylphenols	7.37	107	1363	Below Cal	#	77
25) Isophorone	7.50	82	279930	41.040	ng	# 64
32) Benzoic acid	8.02	122	108	5.776	ng	# 1
48) Acenaphthylene	9.84	152	34443	3.607	ng	98
49) Dimethylphthalate	9.69	163	112318	15.532	ng	99
54) Dibenzofuran	10.19	168	22409	2.722	ng	94
55) 4-Nitrophenol	10.19	139	7308	5.942	ng	# 9
56) 2,4-Dinitrotoluene	9.98	165	12918	6.463	ng	# 21
57) Fluorene	10.54	166	25514	3.905	ng	98
66) 4-Bromophenyl-phenylether	10.78	248	7584	3.319	ng	# 1
70) Phenanthrene	11.51	178	363552	39.363	ng	99
71) Anthracene	11.56	178	70528	7.481	ng	98
72) Carbazole	11.72	167	40090	4.542	ng	98
74) Fluoranthene	12.71	202	567338	55.732	ng	96
77) Pyrene	12.94	202	494771	48.536	ng	100
80) Benzo(a)anthracene	14.14	228	245366	26.043	ng	98
82) Chrysene	14.17	228	250275	28.874	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	119389	16.231	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	332321	49.780	ng	98
88) Benzo(k)fluoranthene	15.22	252	332321	52.274	ng	# 96
89) Benzo(a)pyrene	15.62	252	170862	28.791	ng	95
90) Dibenzo(a,h)anthracene	17.06	278	19237	3.825	ng	96
91) Benzo(g,h,i)perylene	17.77	276	111514	22.684	ng	# 90

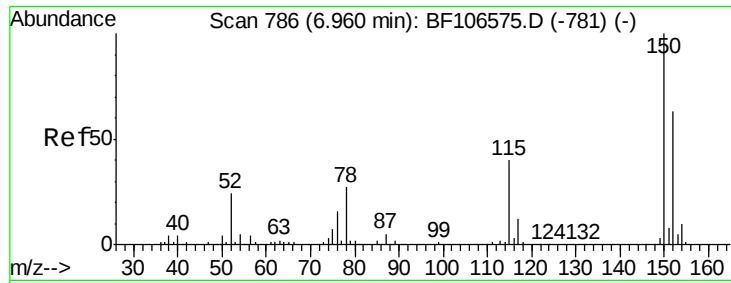
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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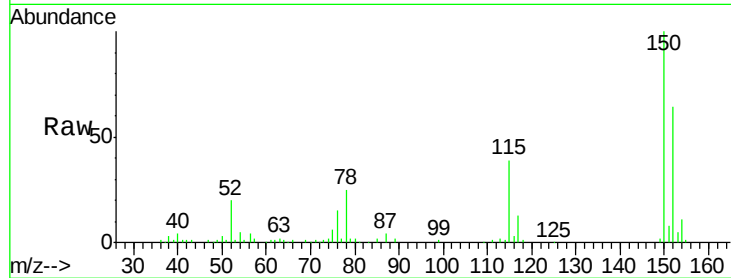


#1

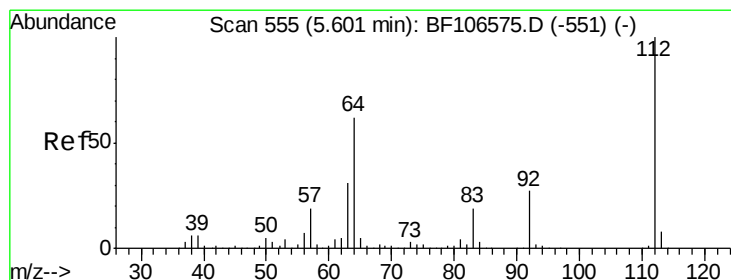
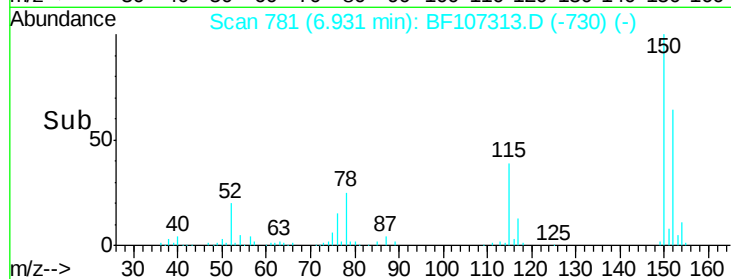
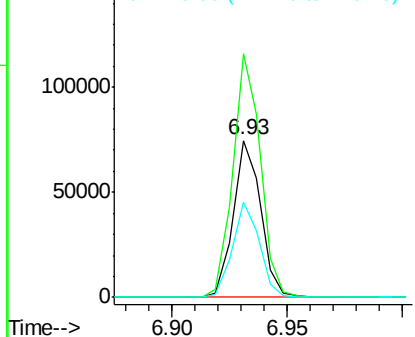
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tgt Ion:152 Resp: 62056
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 60.7 50.1 75.1



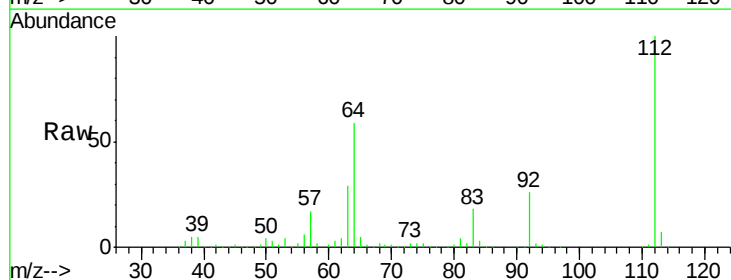
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



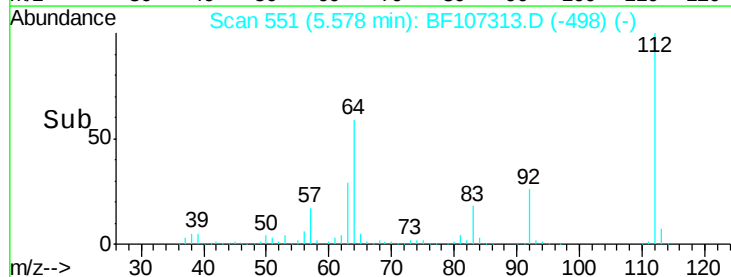
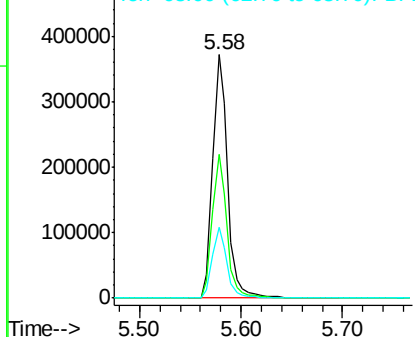
#5

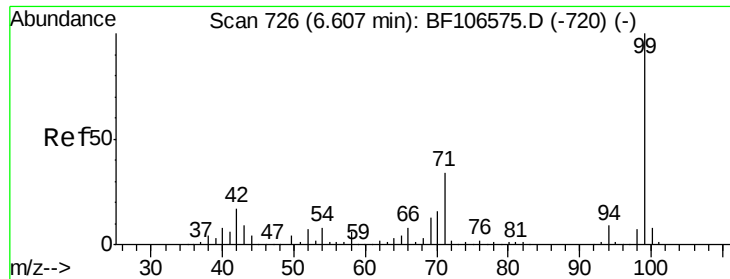
2-Fluorophenol
Concen: 104.258 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion:112 Resp: 382079
Ion Ratio Lower Upper
112 100
64 58.9 47.9 71.9
63 29.2 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: 101.514 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampled :

SEMH

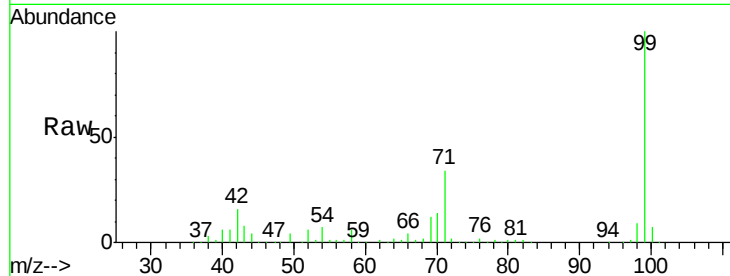
Tgt Ion: 99 Resp: 464584

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

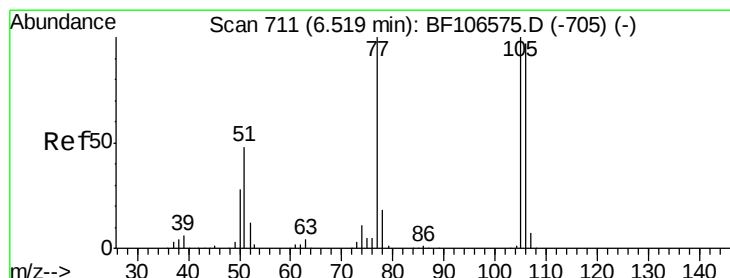
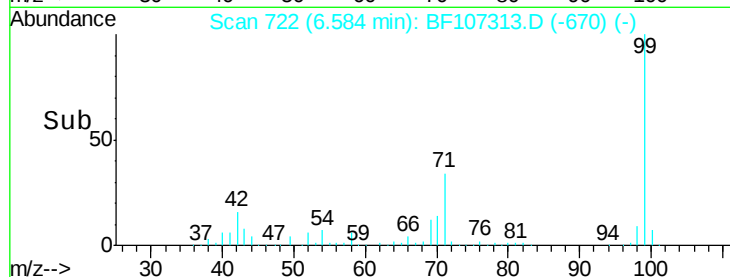
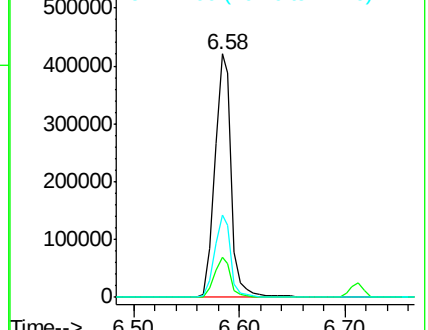
71 34.0 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.105 ng

RT: 6.71 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

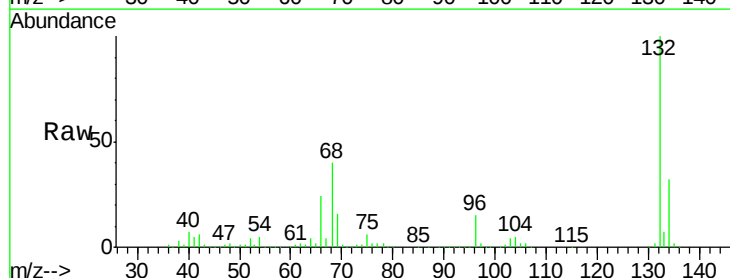
Tgt Ion: 77 Resp: 8081

Ion Ratio Lower Upper

77 100

105 83.7 81.1 121.1

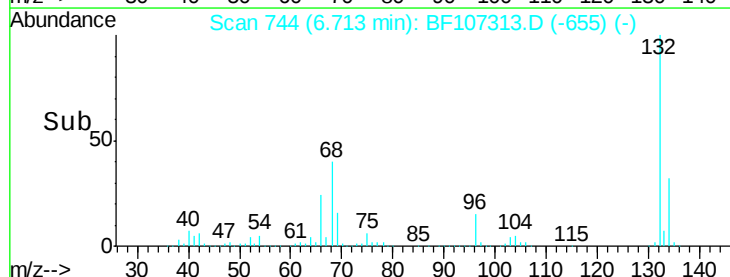
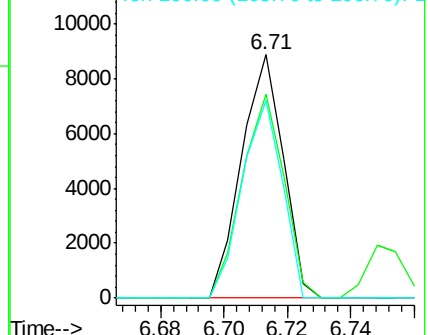
106 81.2 74.5 114.5

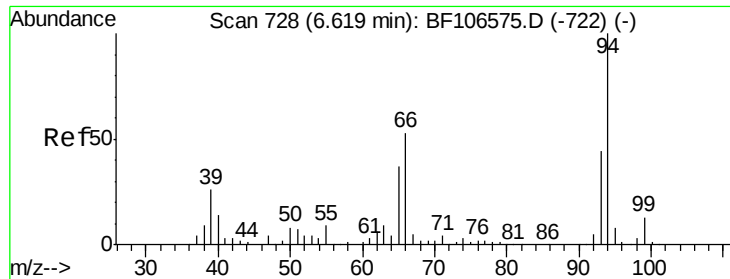


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

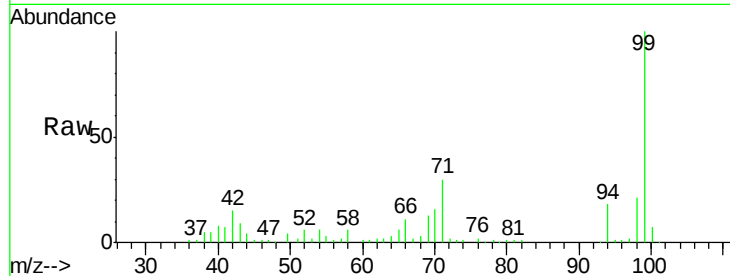




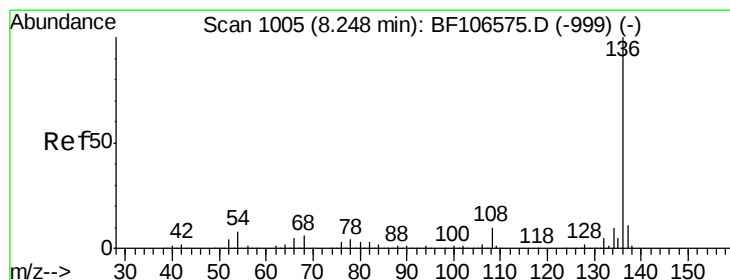
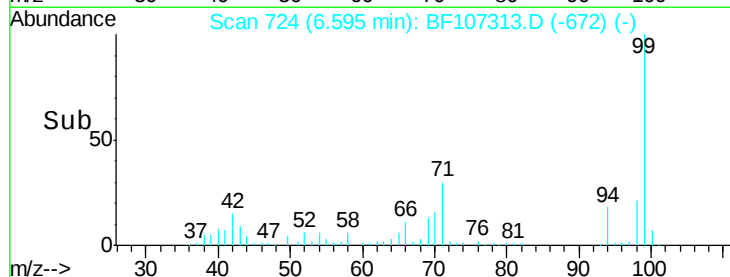
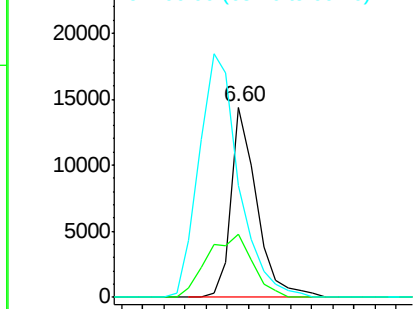
#10
Phenol
Concen: 2.304 ng
RT: 6.60 min Scan# 724
Delta R.T. 0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tgt Ion: 94 Resp: 12036
Ion Ratio Lower Upper
94 100
65 33.3 7.9 47.9
66 59.0 16.2 56.2#

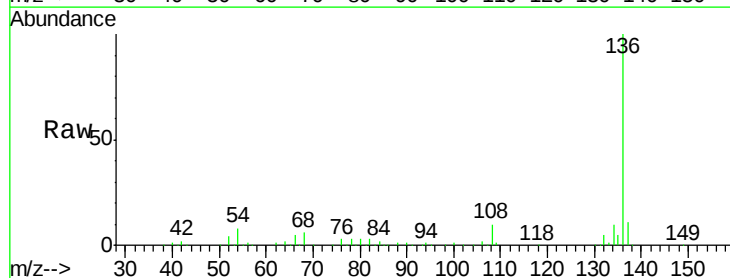


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

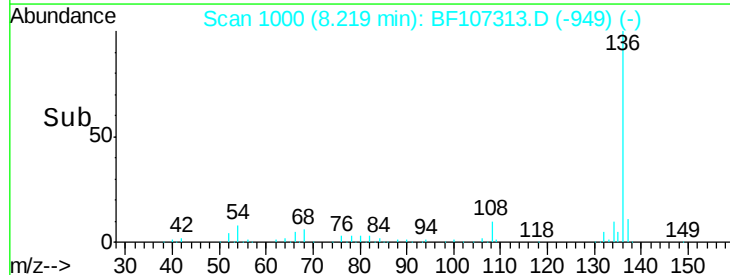
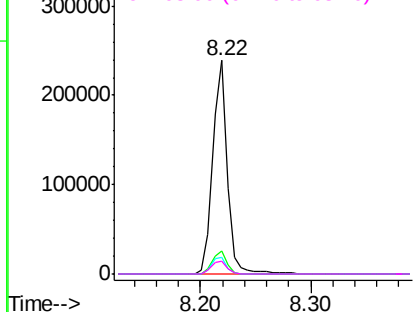


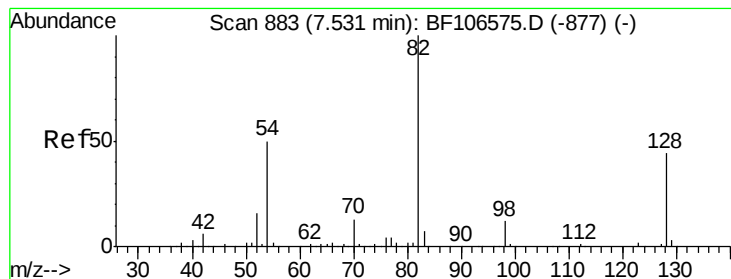
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion: 136 Resp: 215113
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.8 6.6 9.8
68 6.0 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: 72.320 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampled :

SEMH

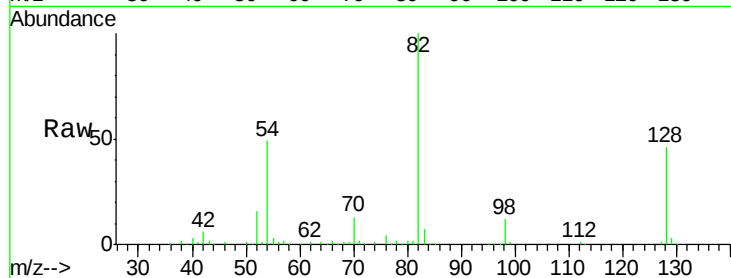
Tgt Ion: 82 Resp: 279934

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

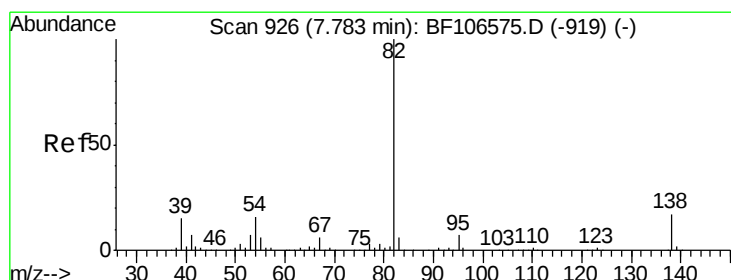
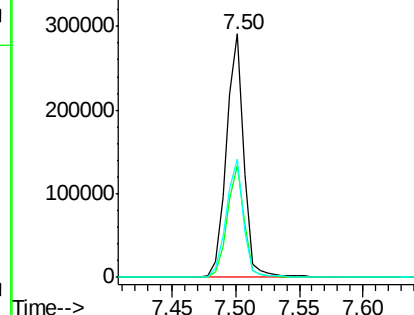
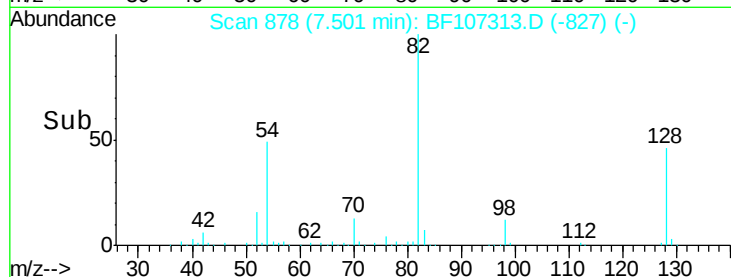
54 48.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 41.040 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.25 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

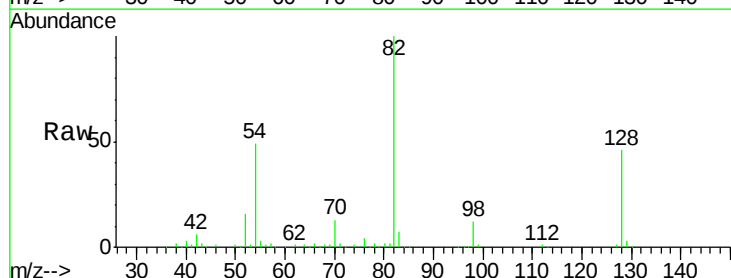
Tgt Ion: 82 Resp: 279930

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

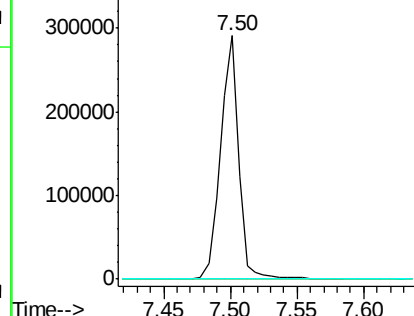
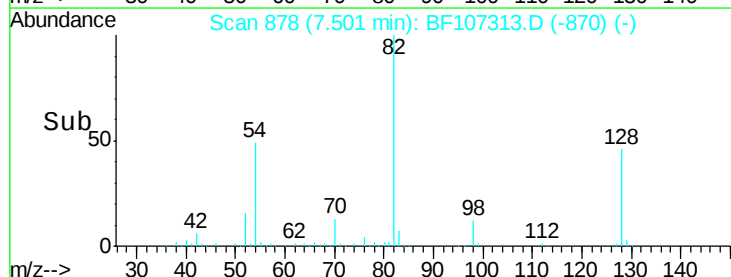
138 0.0 14.9 22.3#

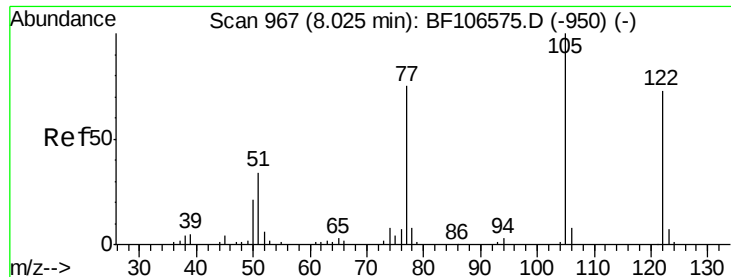


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 5.776 ng

RT: 8.02 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

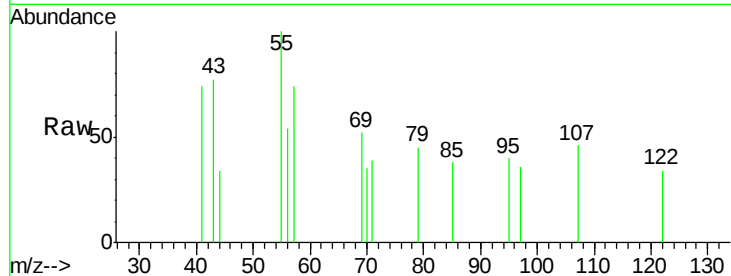
Tgt Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

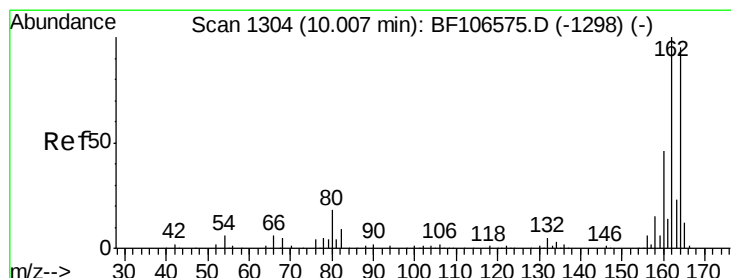
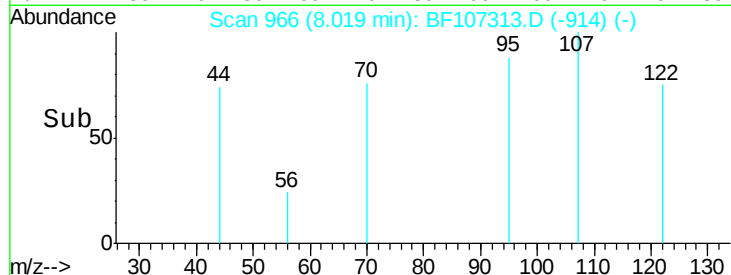
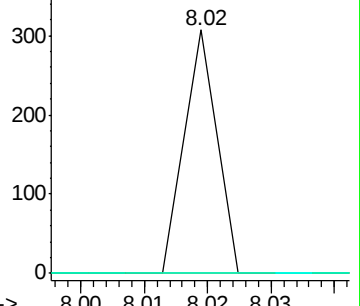
77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

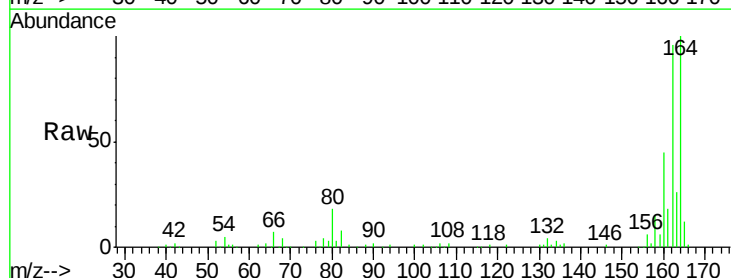
Tgt Ion:164 Resp: 96415

Ion Ratio Lower Upper

164 100

162 96.1 86.1 129.1

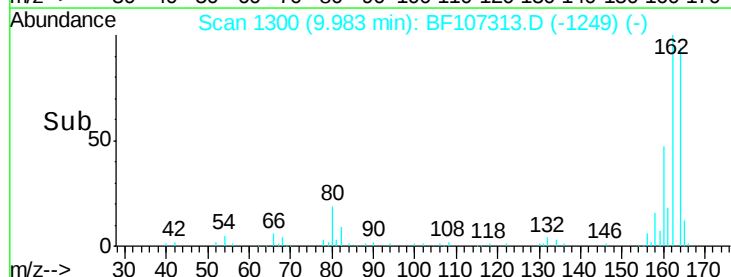
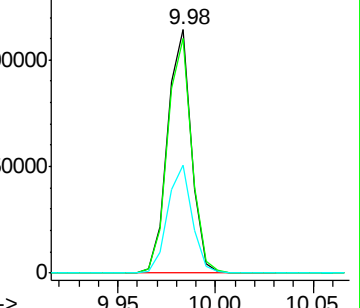
160 44.5 38.3 57.5

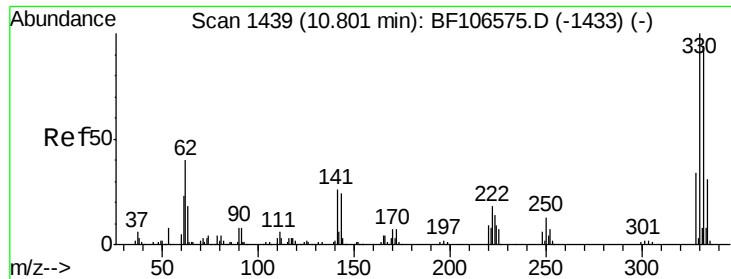


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

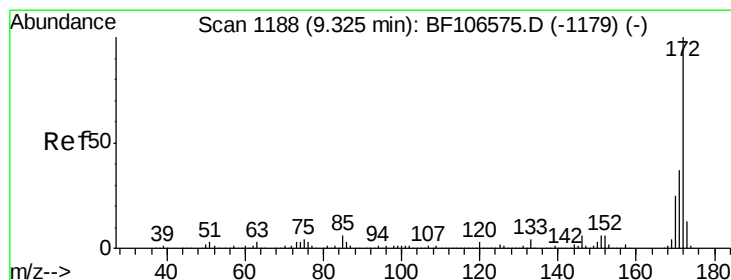
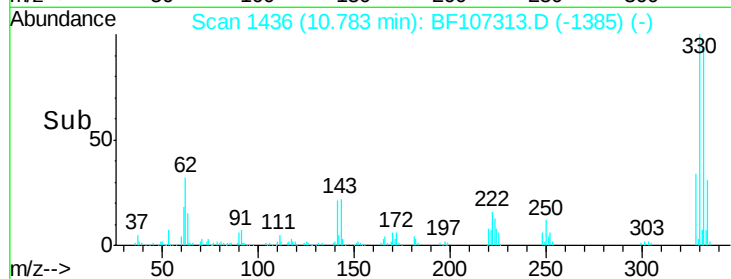
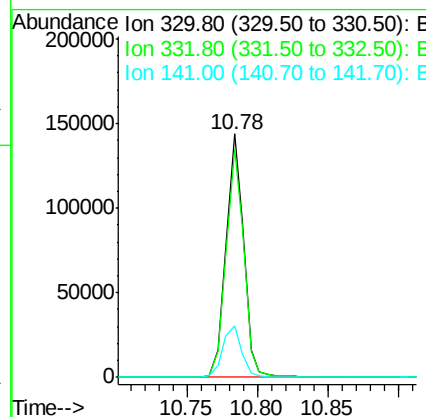
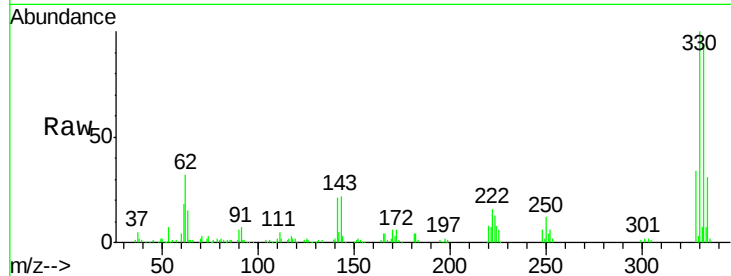




#41
 2,4,6-Tribromophenol
 Concen: 112.155 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

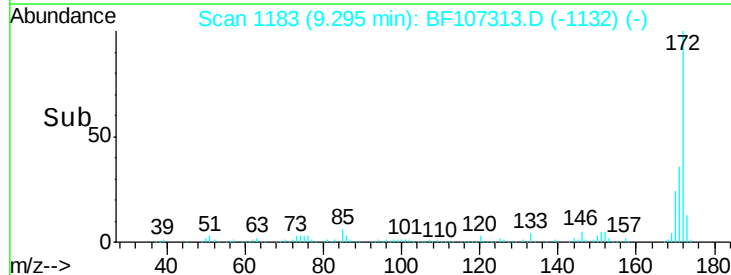
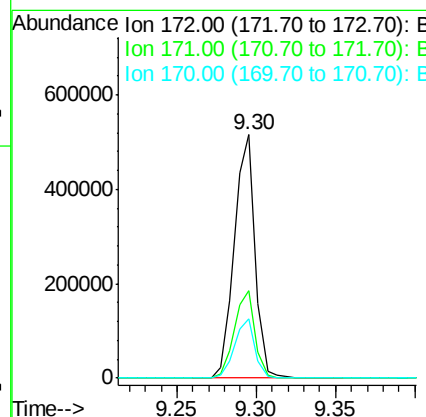
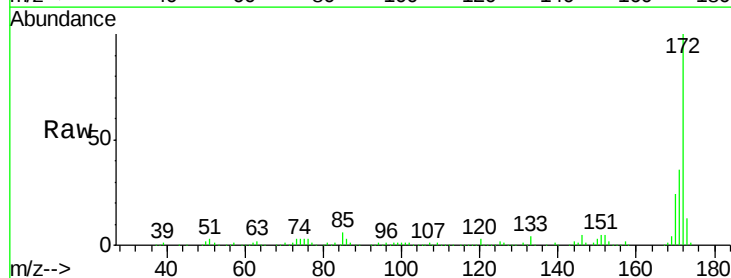
Instrument :
 BNA_F
 ClientSampleId :
 SEMH

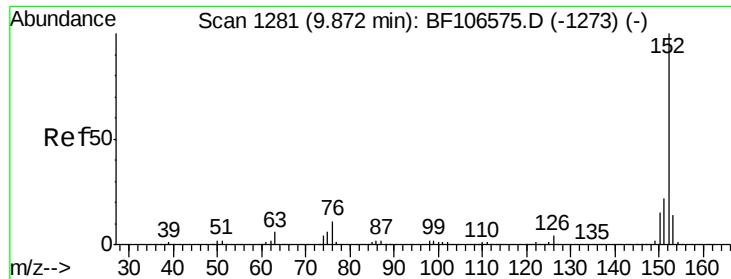
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	23.0	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 81.678 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.3	19.6	29.4





#48

Acenaphthylene

Concen: 3.607 ng

RT: 9.84 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

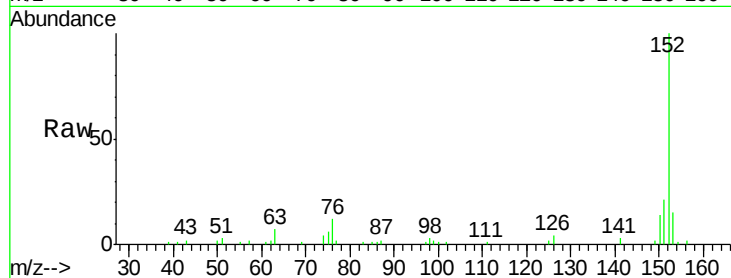
Tgt Ion:152 Resp: 34443

Ion Ratio Lower Upper

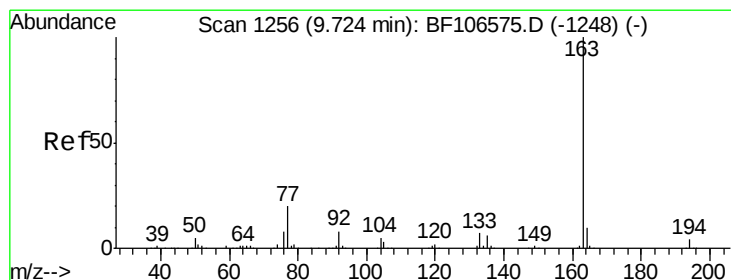
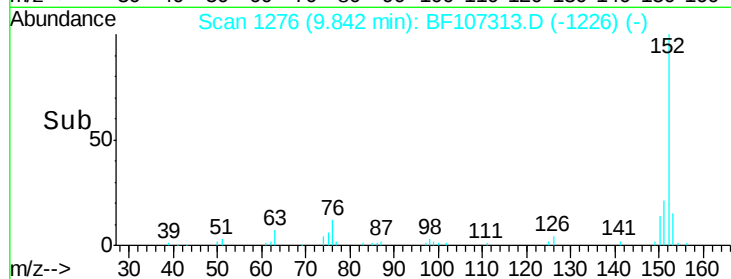
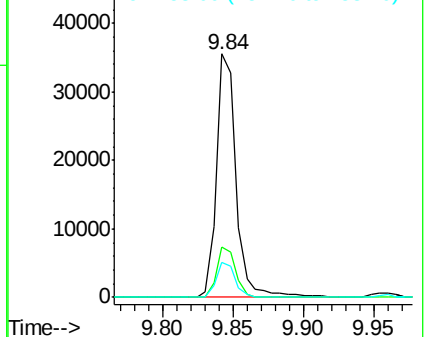
152 100

151 20.8 16.3 24.5

153 14.6 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



#49

Dimethylphthalate

Concen: 15.532 ng

RT: 9.69 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

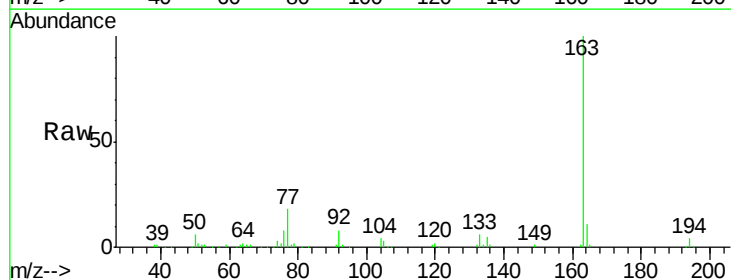
Tgt Ion:163 Resp: 112318

Ion Ratio Lower Upper

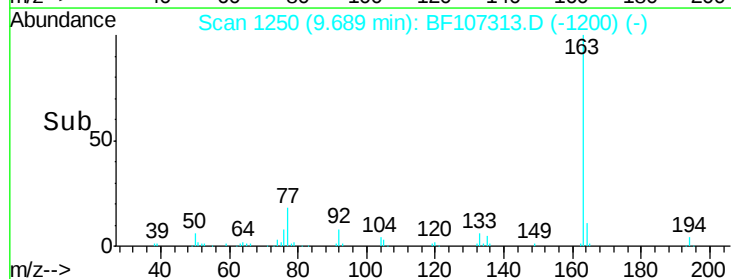
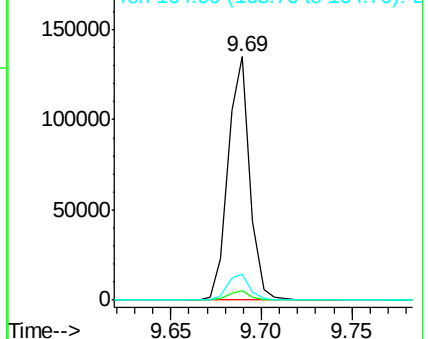
163 100

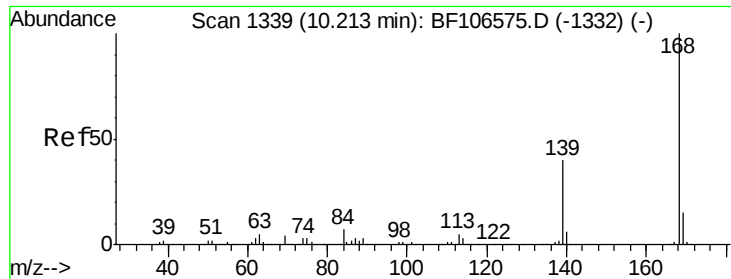
194 4.0 2.7 4.1

164 10.5 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

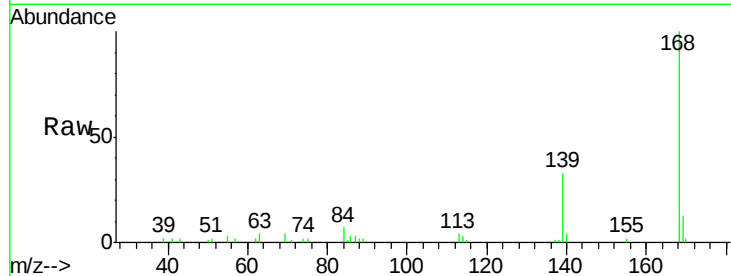




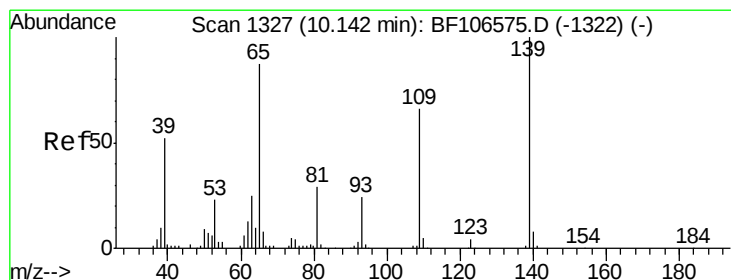
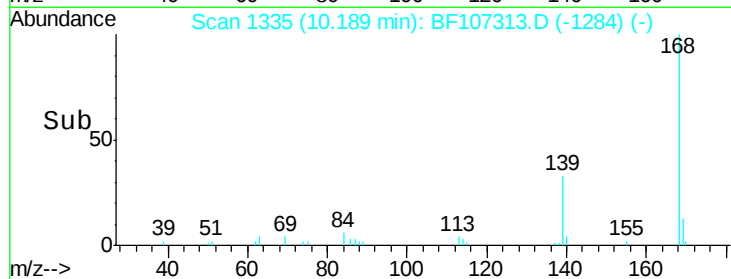
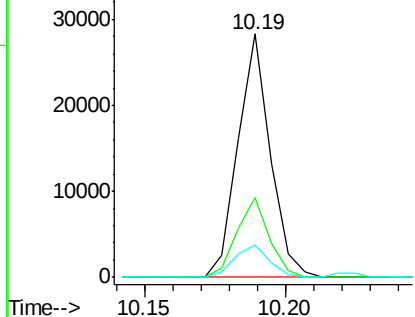
#54
Dibenzenofuran
Concen: 2.722 ng
RT: 10.19 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tgt Ion:168 Resp: 22409
Ion Ratio Lower Upper
168 100
139 32.8 30.1 45.1
169 13.3 10.9 16.3

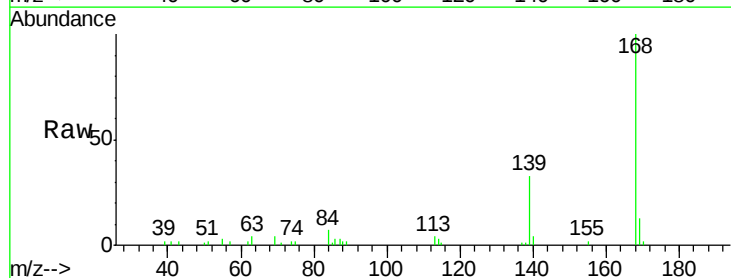


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

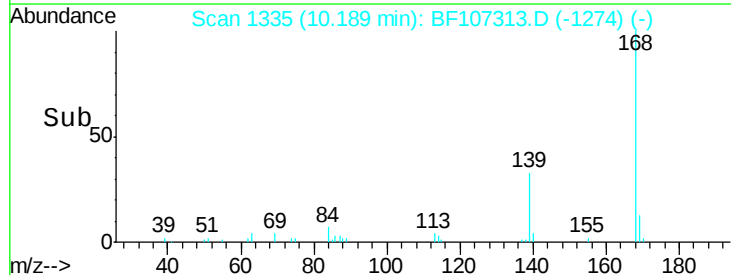
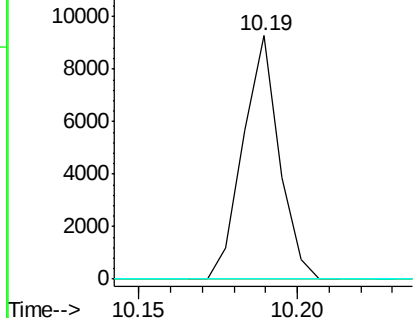


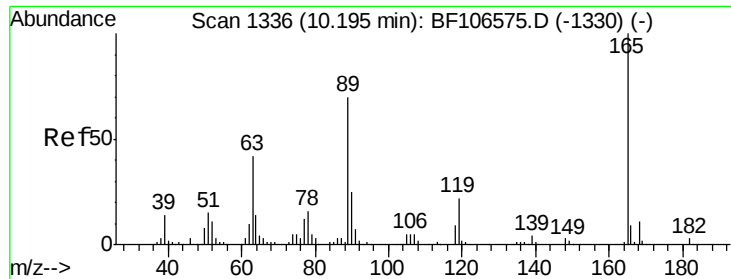
#55
4-Nitrophenol
Concen: 5.942 ng
RT: 10.19 min Scan# 1335
Delta R.T. 0.06 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion:139 Resp: 7308
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 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: 6.463 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

Tgt Ion:165 Resp: 12918

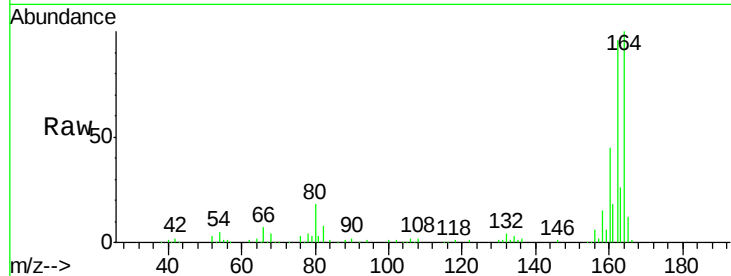
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

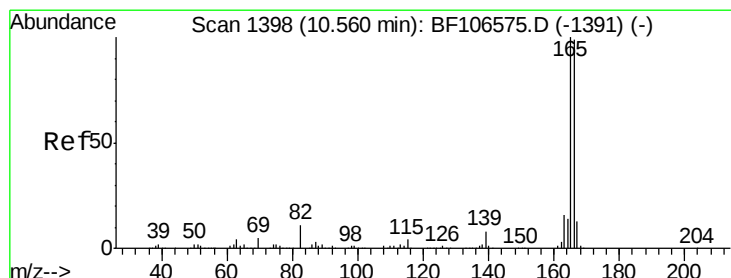
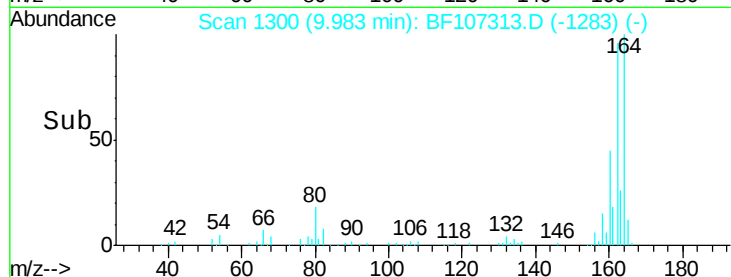
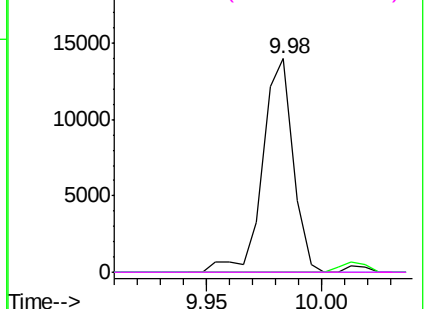


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 3.905 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

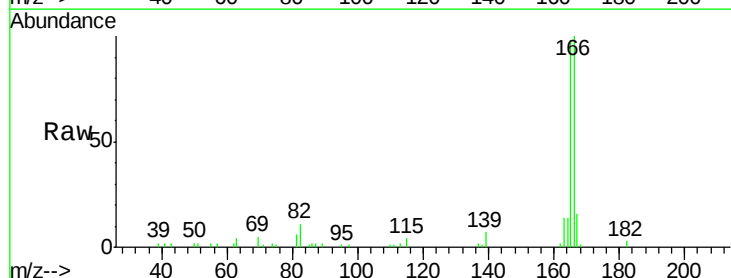
Tgt Ion:166 Resp: 25514

Ion Ratio Lower Upper

166 100

165 98.5 79.8 119.8

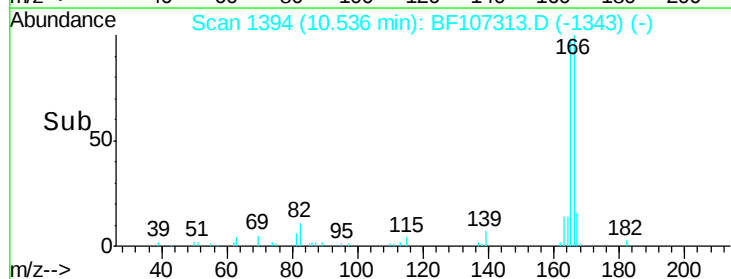
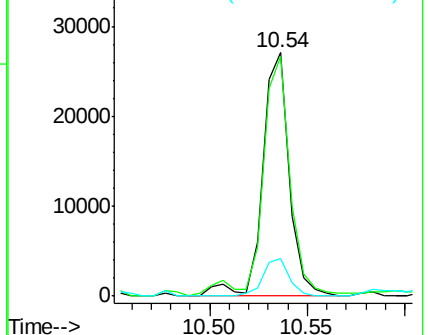
167 15.6 10.6 16.0

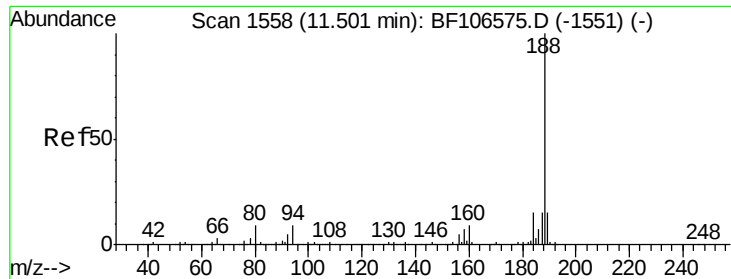


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

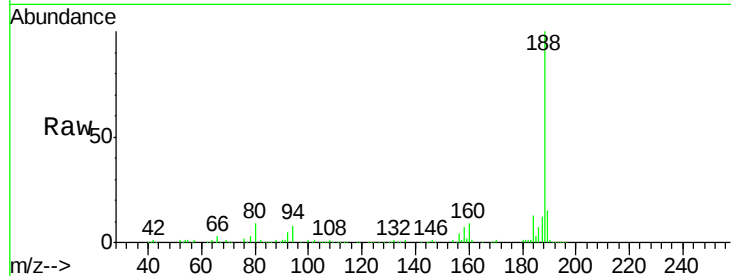
Tgt Ion:188 Resp: 191488

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7#

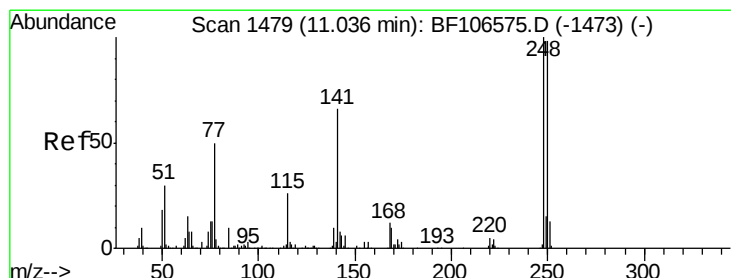
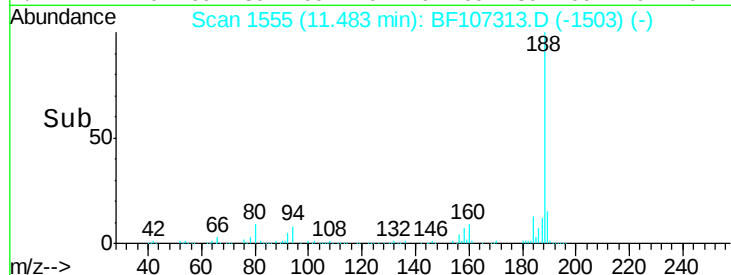
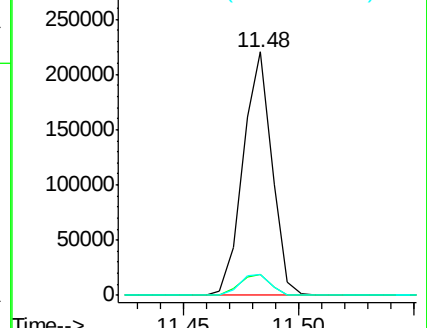
80 8.8 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.319 ng

RT: 10.78 min Scan# 1436

Delta R.T. -0.23 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

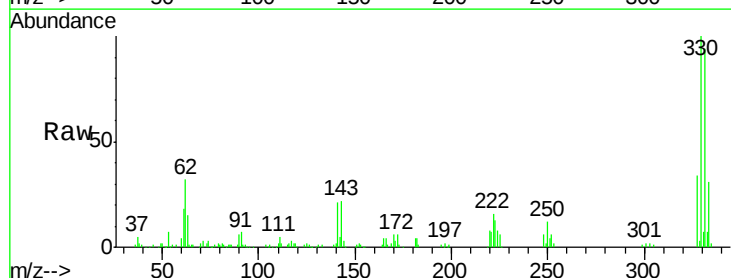
Tgt Ion:248 Resp: 7584

Ion Ratio Lower Upper

248 100

250 195.6 76.9 115.3#

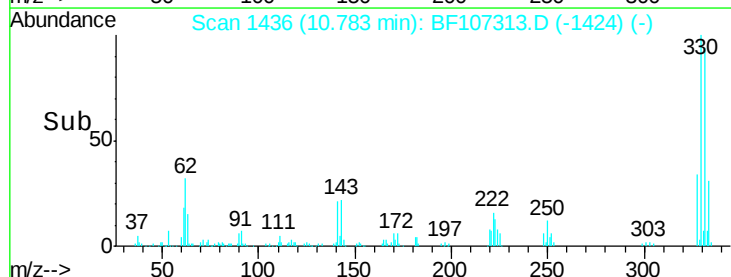
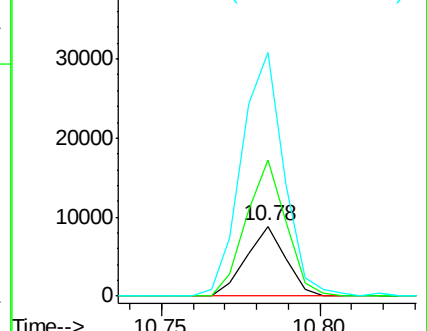
141 348.4 74.4 111.6#

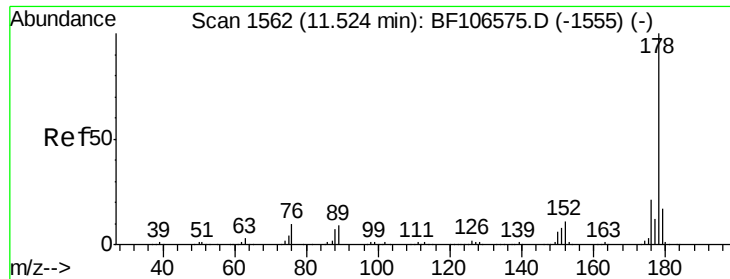


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 39.363 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampled :

SEMH

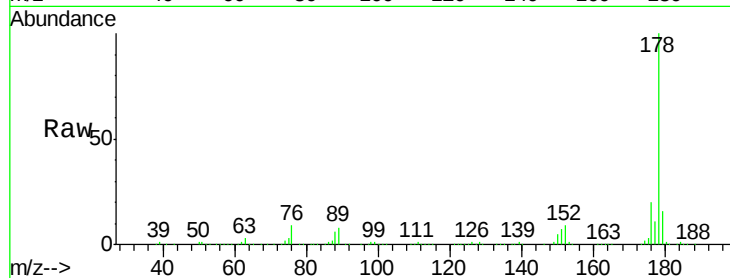
Tgt Ion:178 Resp: 363552

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

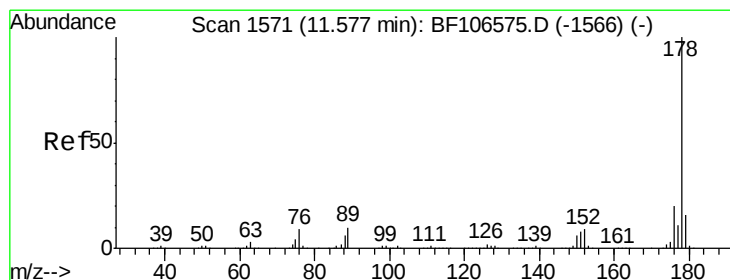
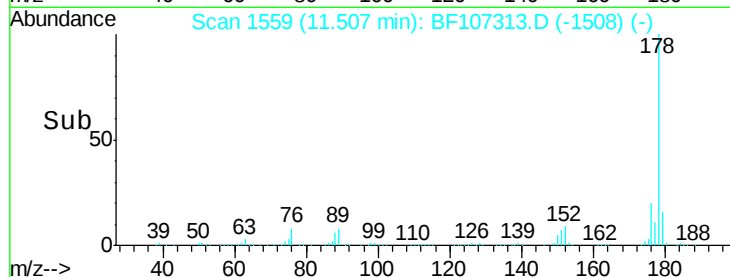
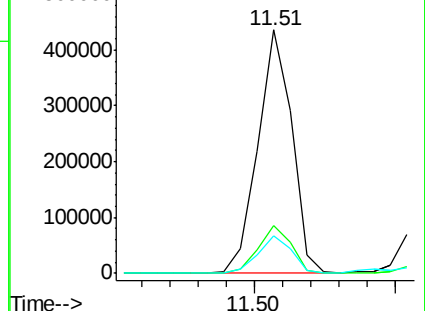
179 15.5 13.0 19.6



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: 7.481 ng

RT: 11.56 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

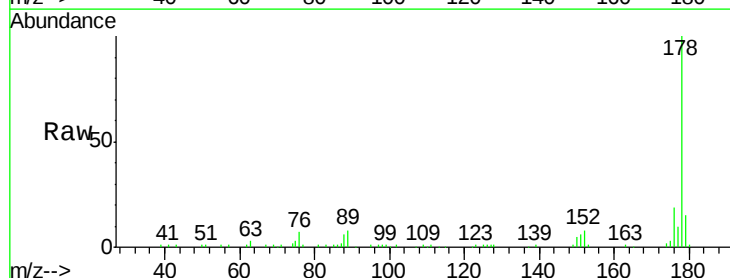
Tgt Ion:178 Resp: 70528

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

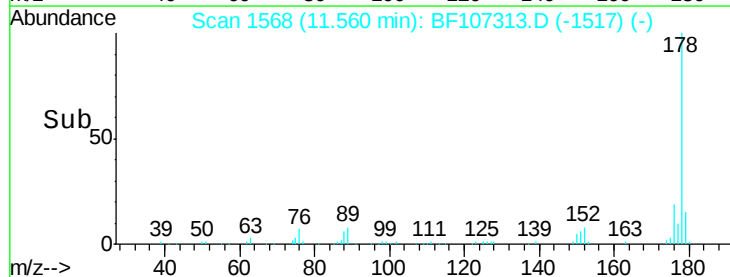
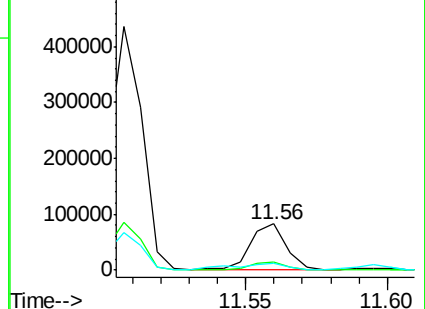
179 14.9 12.6 19.0

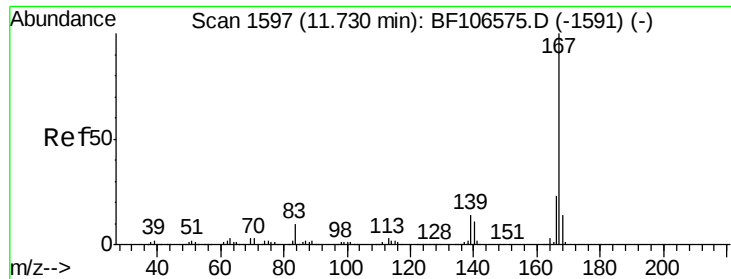


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

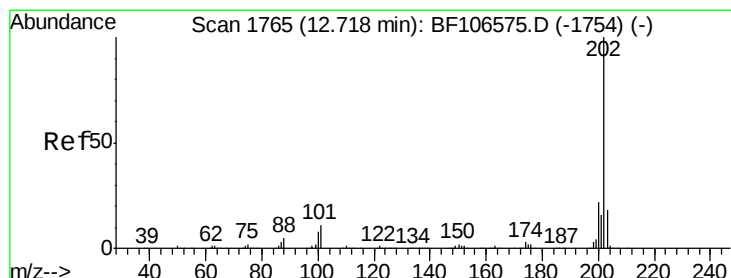
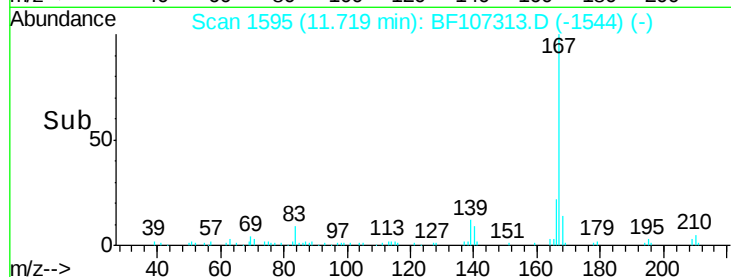
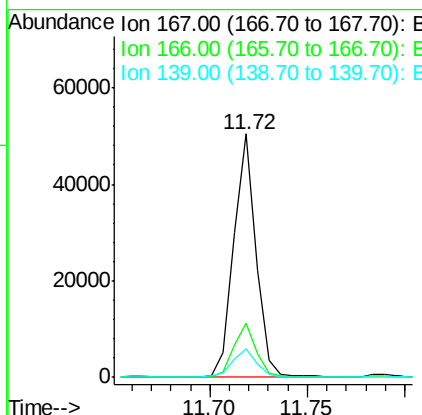
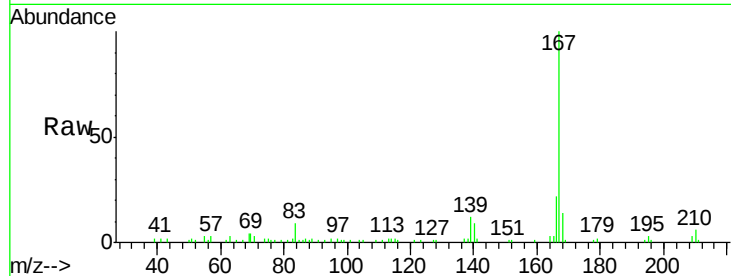




#72
 Carbazole
 Concen: 4.542 ng
 RT: 11.72 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

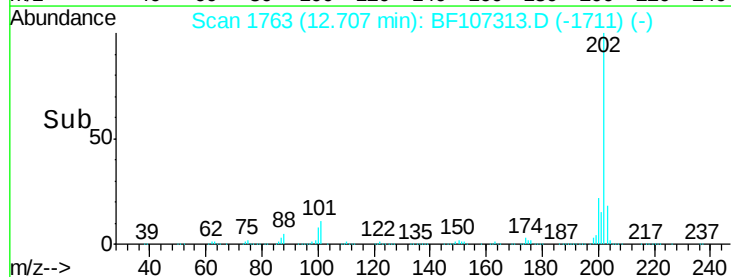
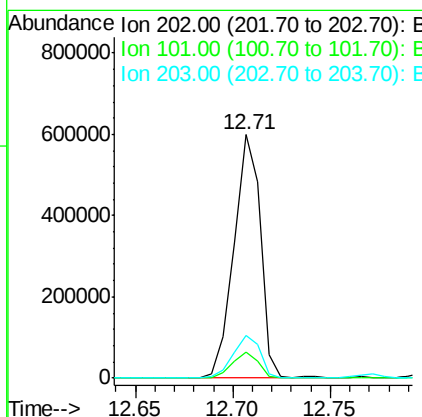
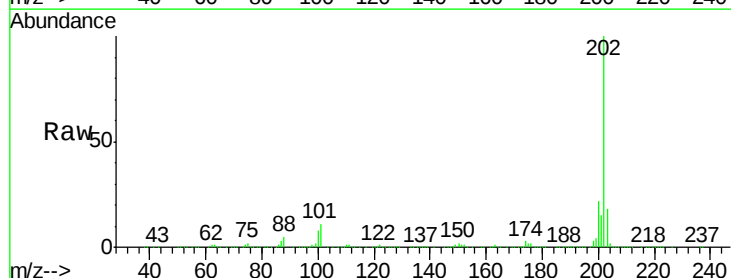
Instrument :
 BNA_F
 ClientSampleId :
 SEMH

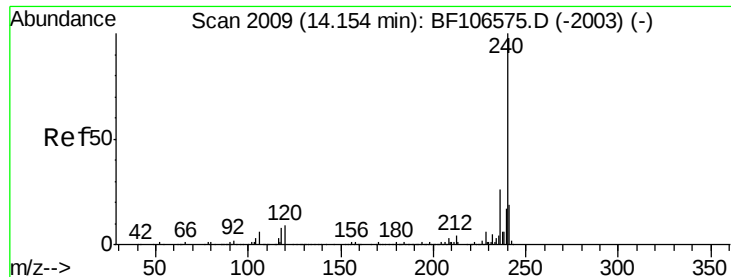
Tgt Ion:167 Resp: 40090
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.6 26.4
 139 11.5 10.9 16.3



#74
 Fluoranthene
 Concen: 55.732 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF107313.D
 Acq: 11 Jul 2018 21:06

Tgt Ion:202 Resp: 567338
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 34.1
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

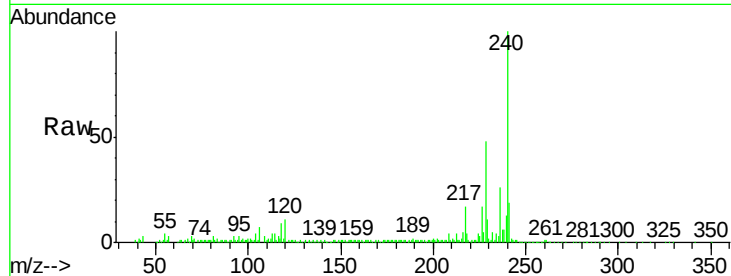
Tgt Ion:240 Resp: 154587

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

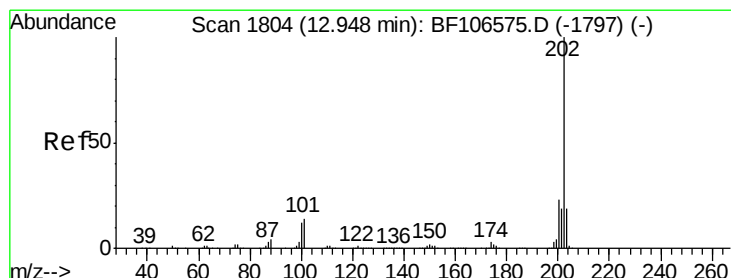
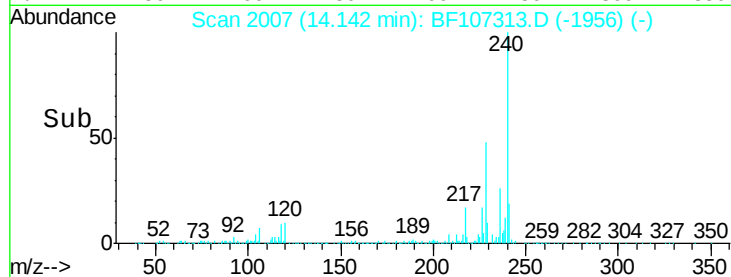
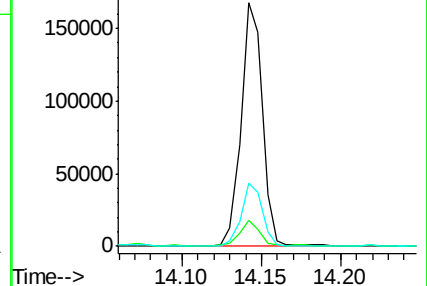
236 26.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.536 ng

RT: 12.94 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

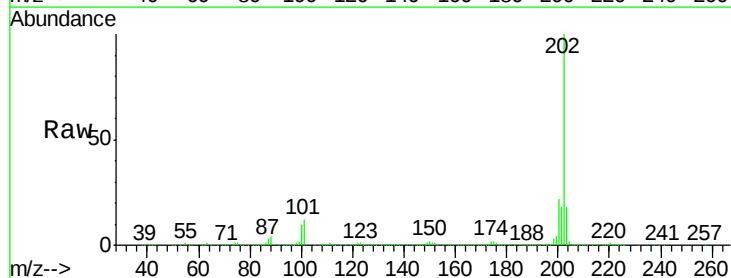
Tgt Ion:202 Resp: 494771

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

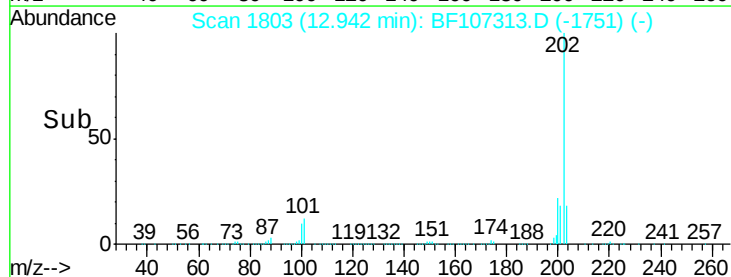
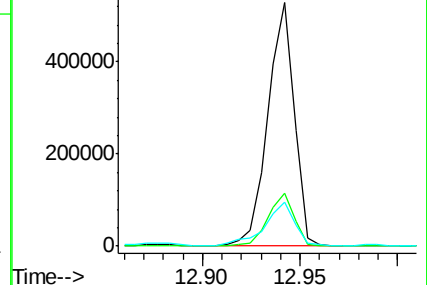
203 18.1 14.3 21.5

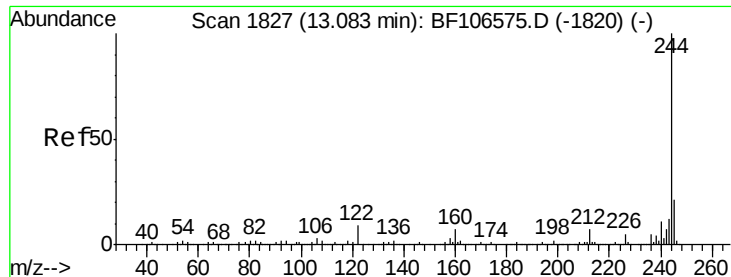


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.200 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

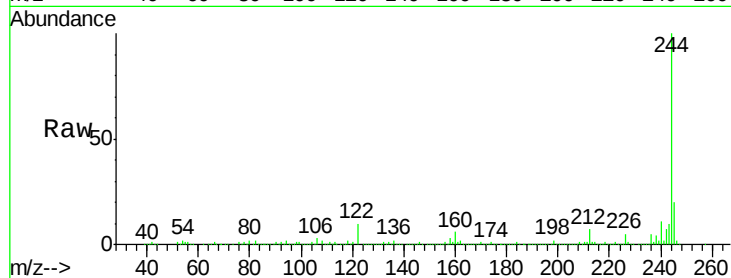
Tgt Ion:244 Resp: 537352

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

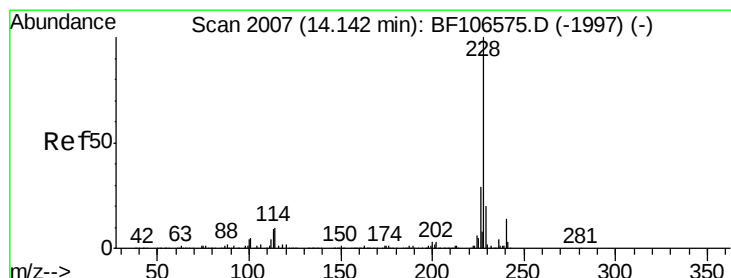
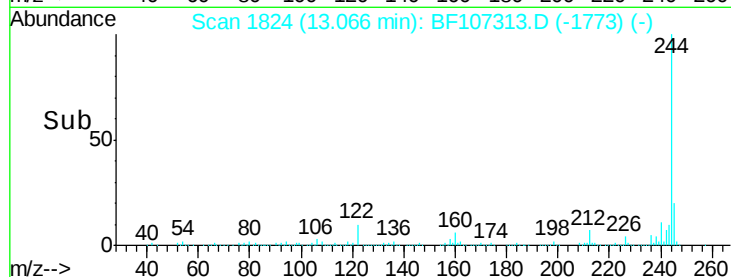
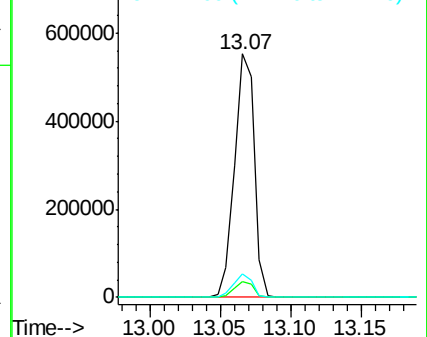
122 9.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 26.043 ng

RT: 14.14 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

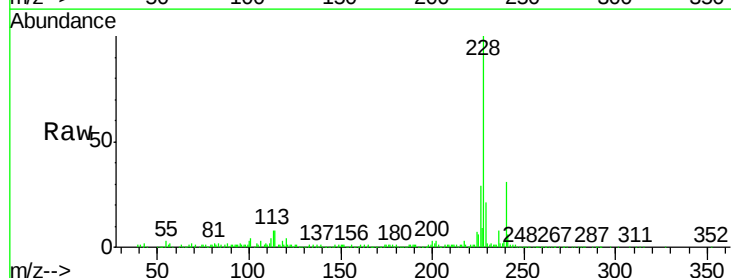
Tgt Ion:228 Resp: 245366

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

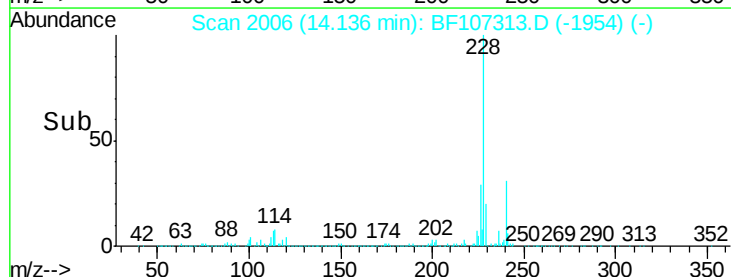
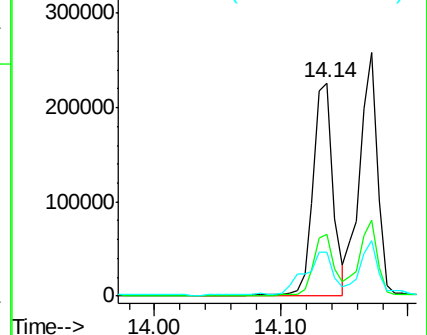
229 20.6 15.8 23.6

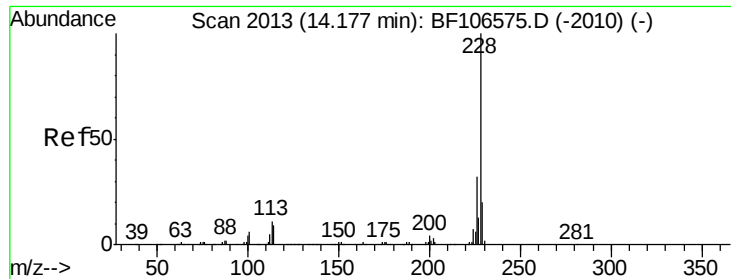


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 28.874 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

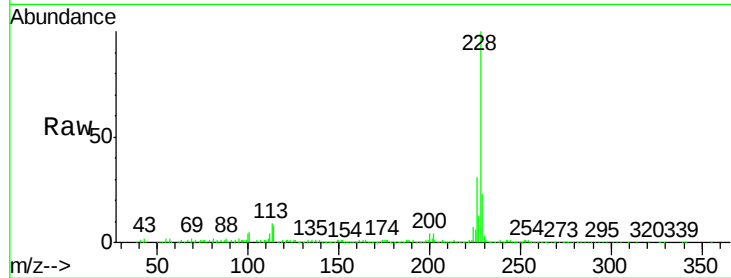
Tgt Ion:228 Resp: 250275

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

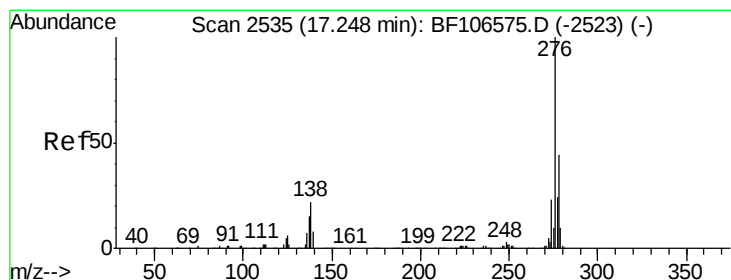
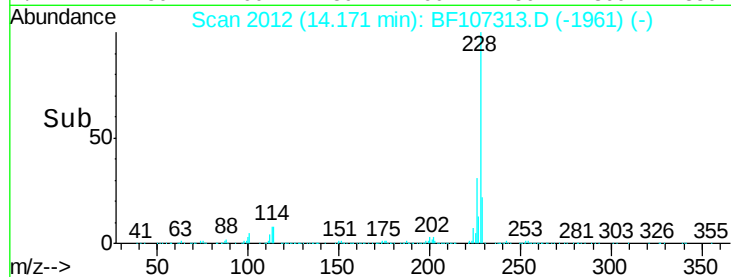
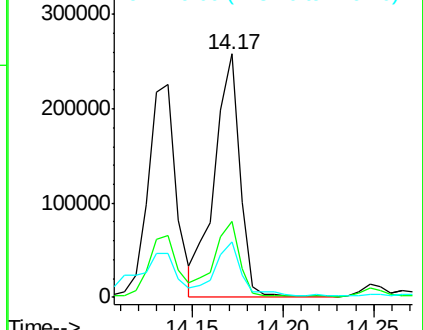
229 22.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 16.231 ng

RT: 17.28 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

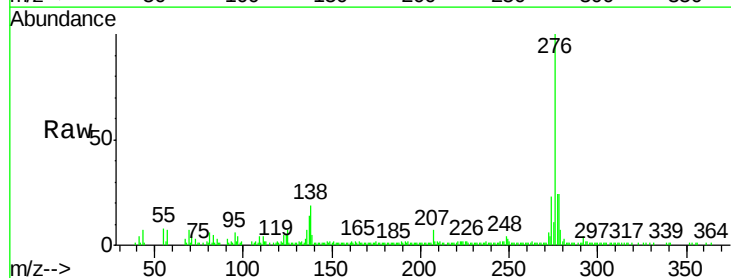
Tgt Ion:276 Resp: 119389

Ion Ratio Lower Upper

276 100

138 19.0 25.0 37.6#

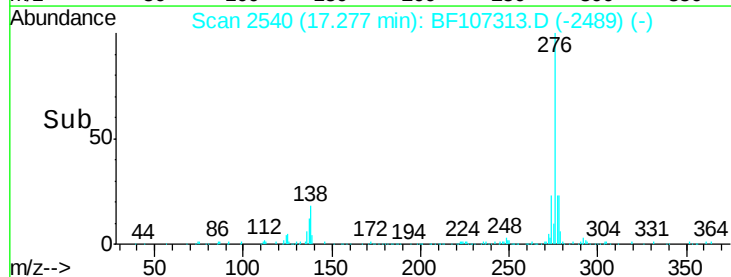
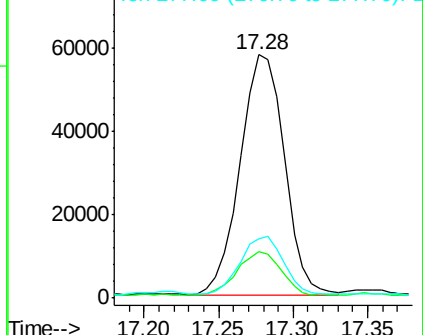
277 23.3 20.1 30.1

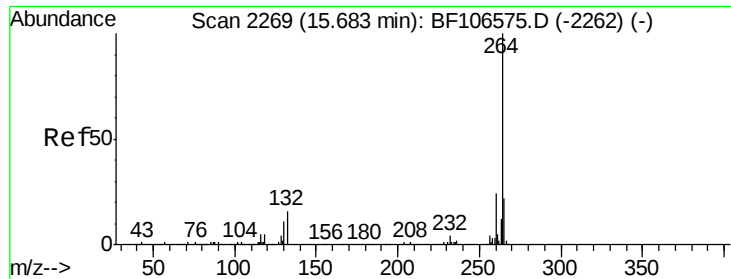


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

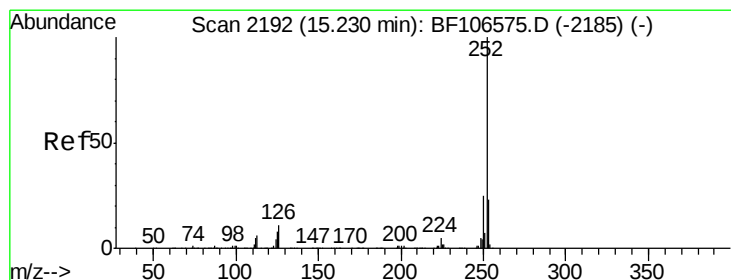
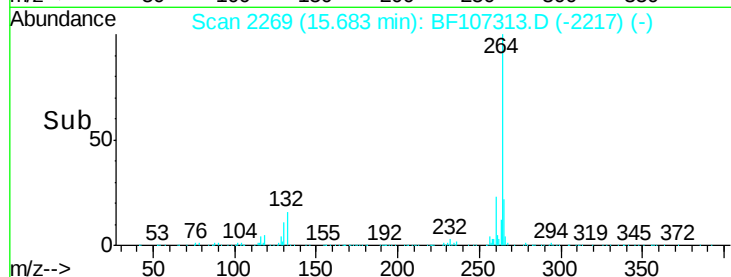
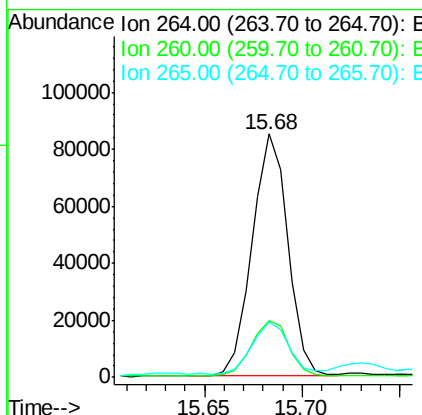
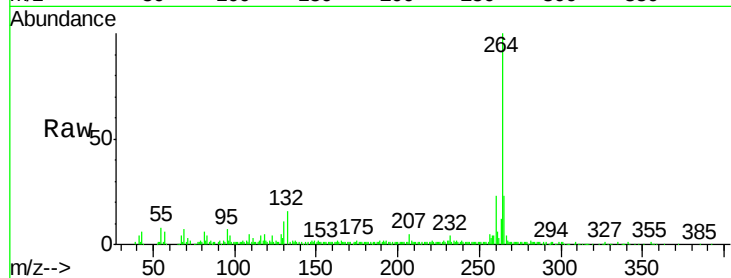




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

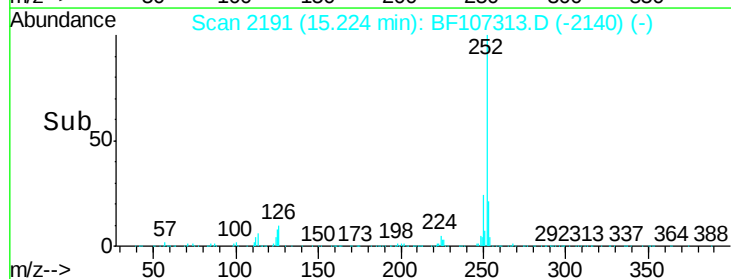
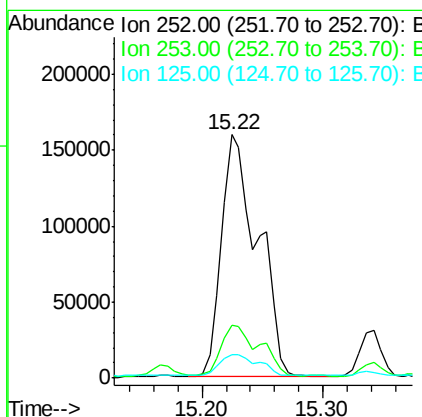
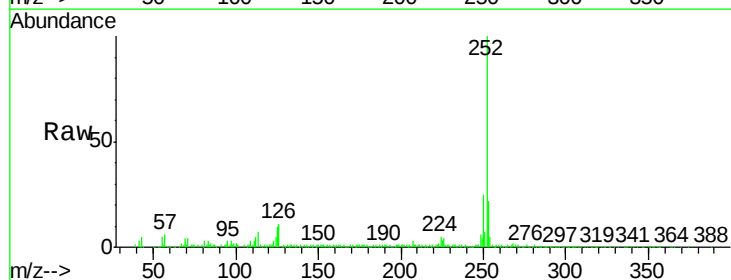
Instrument :
BNA_F
ClientSampleId :
SEMH

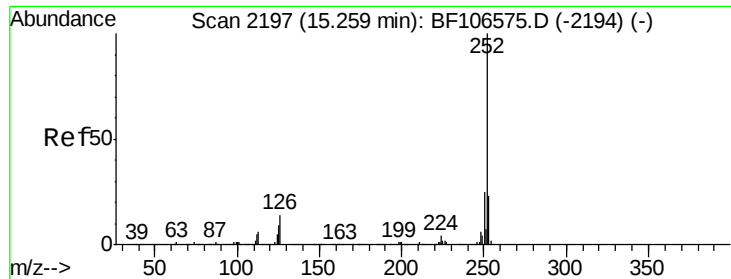
Tgt Ion:264 Resp: 107467
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 49.780 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion:252 Resp: 332321
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 9.6 9.0 13.6

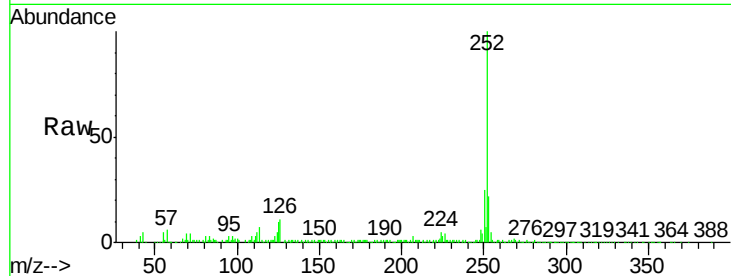




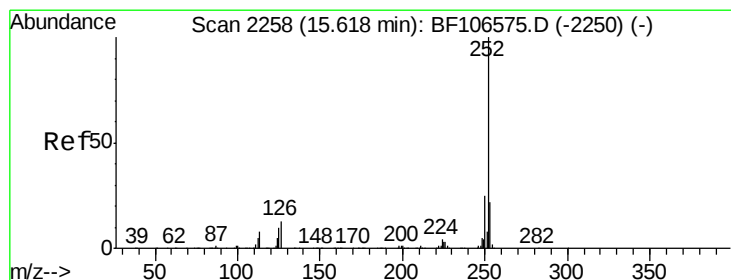
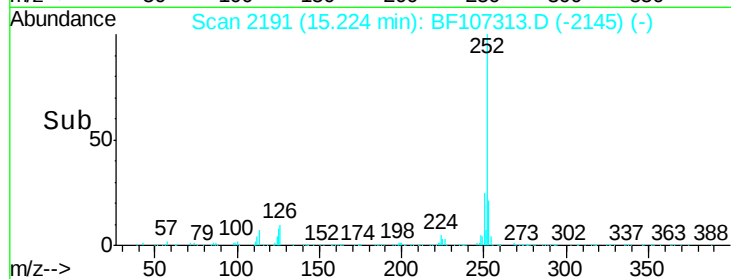
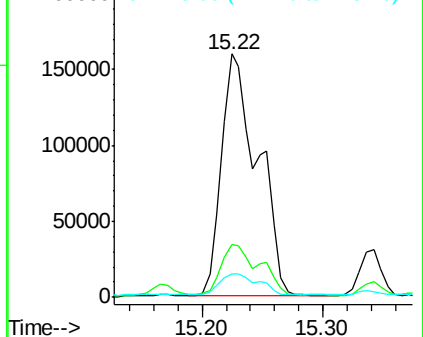
#88
Benzo(k)fluoranthene
Concen: 52.274 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Instrument :
BNA_F
ClientSampleId :
SEMH

Tgt Ion:252 Resp: 332321
Ion Ratio Lower Upper
252 100
253 21.8 17.9 26.9
125 9.6 10.2 15.2#

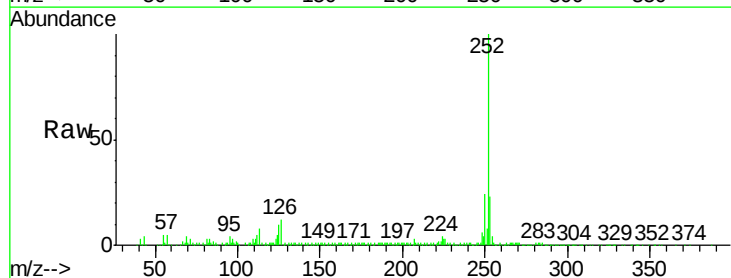


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

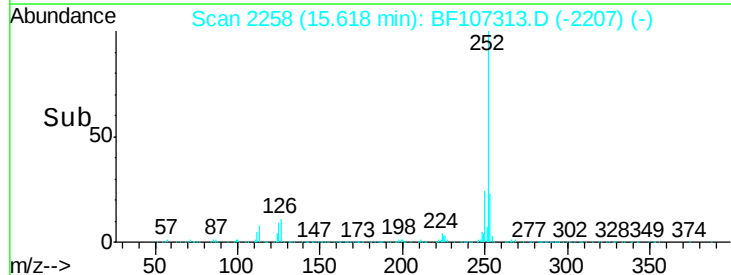
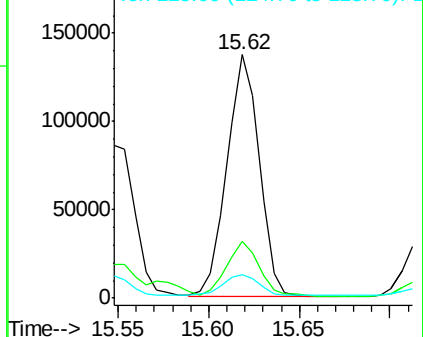


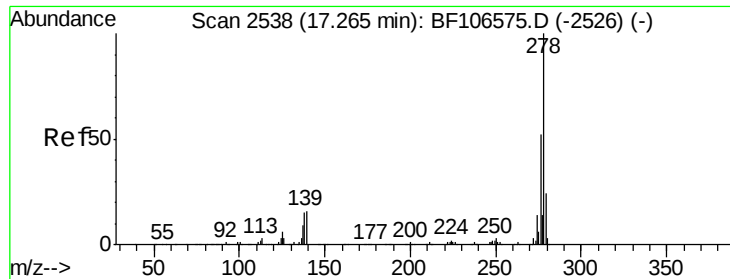
#89
Benzo(a)pyrene
Concen: 28.791 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BF107313.D
Acq: 11 Jul 2018 21:06

Tgt Ion:252 Resp: 170862
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 9.8 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





#90

Dibenzo(a,h)anthracene

Concen: 3.825 ng

RT: 17.06 min Scan# 2503

Delta R.T. -0.22 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

Instrument :

BNA_F

ClientSampleId :

SEMH

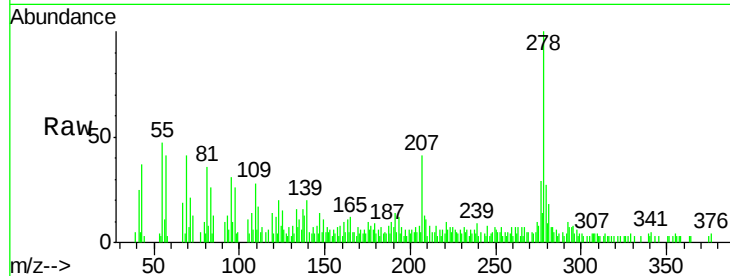
Tgt Ion:278 Resp: 19237

Ion Ratio Lower Upper

278 100

139 19.6 15.9 23.9

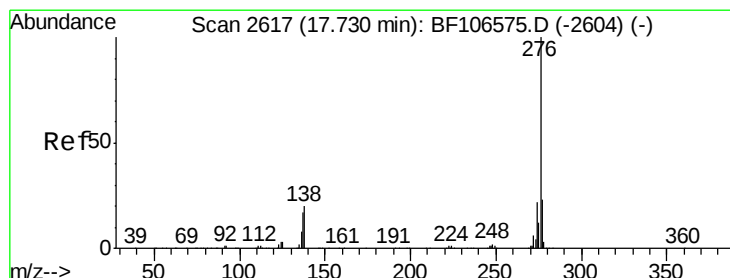
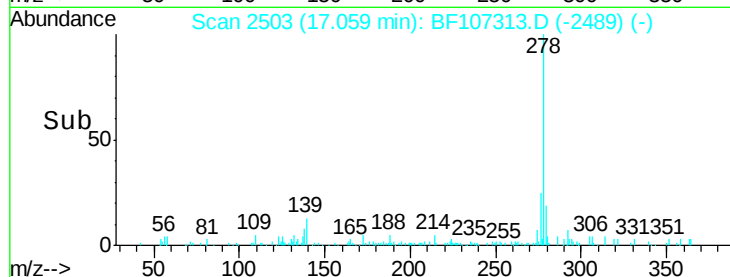
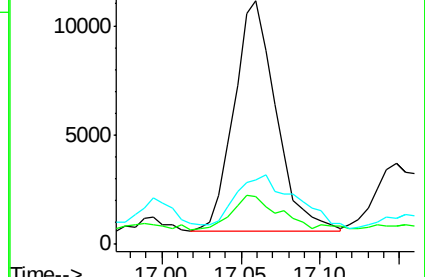
279 26.6 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 22.684 ng

RT: 17.77 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BF107313.D

Acq: 11 Jul 2018 21:06

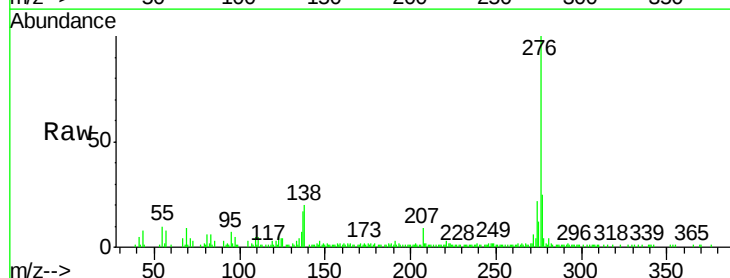
Tgt Ion:276 Resp: 111514

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 19.8 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

