

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075567.D
 Acq On : 16 Nov 2014 3:32
 Operator : TP / JJ
 Sample : F4713-03
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(3-4)

Quant Time: Nov 16 06:16:32 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 18:46:55 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	55950	20.00	ng	-0.02
21) Naphthalene-d8	9.13	136	239735	20.00	ng	-0.02
38) Acenaphthene-d10	11.32	164	126665	20.00	ng	-0.02
63) Phenanthrene-d10	13.17	188	210687	20.00	ng	-0.02
75) Chrysene-d12	16.47	240	211897	20.00	ng	-0.07
86) Perylene-d12	18.24	264	208254	20.00	ng	-0.19

System Monitoring Compounds						
5) 2-Fluorophenol	5.86	112	249447	78.76	ng	0.00
7) Phenol-d6	7.11	99	326099	85.62	ng	0.00
23) Nitrobenzene-d5	8.24	82	176854	54.09	ng	-0.02
41) 2,4,6-Tribromophenol	12.31	330	103694	97.74	ng	-0.01
44) 2-Fluorobiphenyl	10.48	172	455028	64.91	ng	-0.01
78) Terphenyl-d14	15.17	244	477311	60.64	ng	-0.02

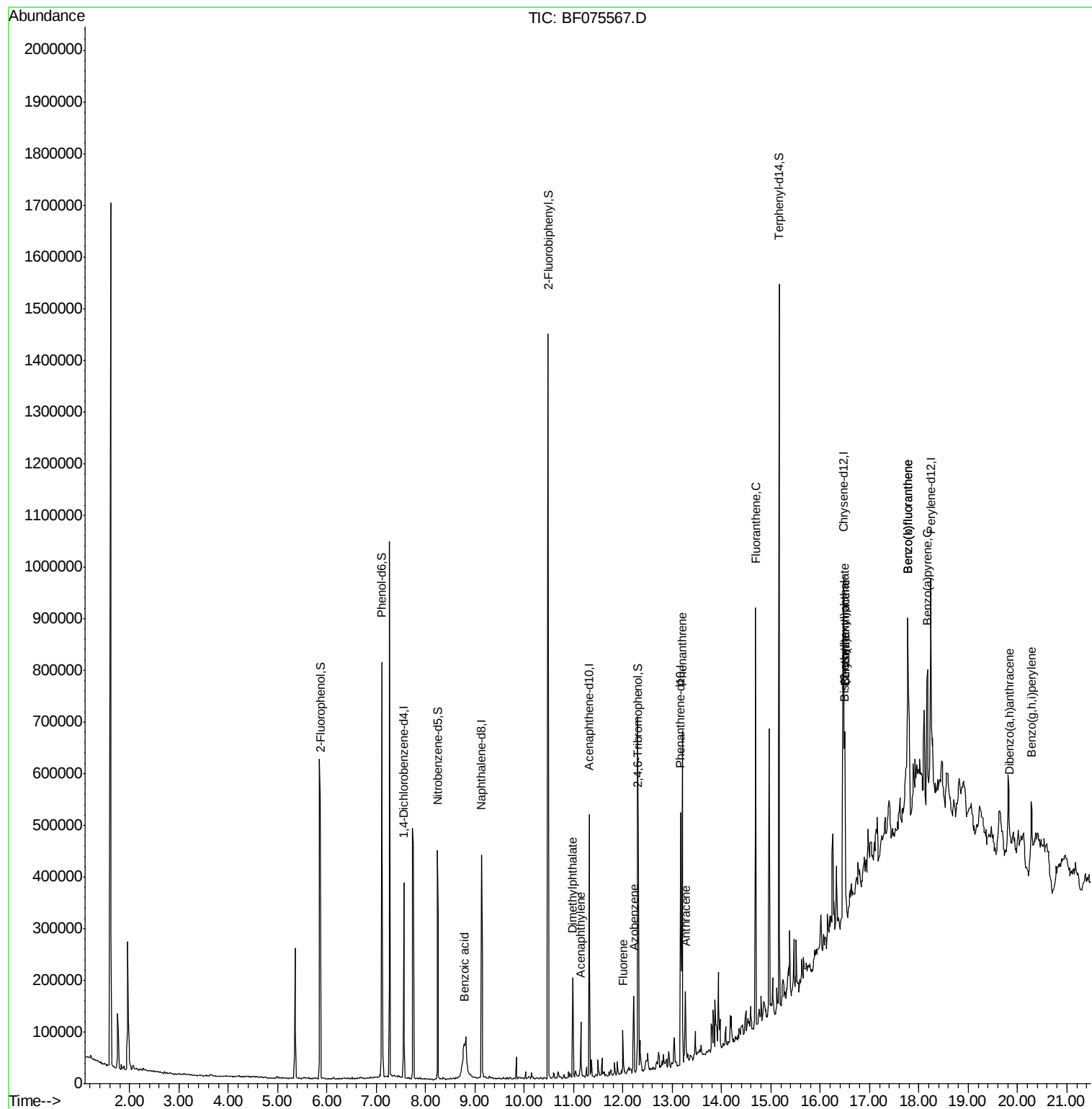
Target Compounds				Qvalue		
32) Benzoic acid	8.79	122	46947	23.22	ng	96
48) Acenaphthylene	11.14	152	53649	4.87	ng	98
49) Dimethylphthalate	10.98	163	75306	8.70	ng	99
57) Fluorene	12.00	166	28444	3.70	ng	97
62) Azobenzene	12.22	77	26443	3.35	ng	# 1
70) Phenanthrene	13.20	178	260071	23.45	ng	99
71) Anthracene	13.27	178	80966	7.06	ng	100
74) Fluoranthene	14.69	202	387730	32.65	ng	94
80) Benzo(a)anthracene	16.51	228	103397	9.29	ng	93
82) Chrysene	16.51	228	144145	14.97	ng	96
83) Bis(2-ethylhexyl)phthalate	16.49	149	59110	5.42	ng	100
87) Benzo(b)fluoranthene	17.77	252	286952	25.77	ng	98
88) Benzo(k)fluoranthene	17.77	252	292473	29.27	ng	99
89) Benzo(a)pyrene	18.17	252	155732	15.63	ng	95
90) Dibenzo(a,h)anthracene	19.83	278	29292	2.82	ng	# 78
91) Benzo(g,h,i)perylene	20.28	276	94714	9.55	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. -0.02 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Instrument :

BNA_F

ClientSampleId :

SB-3(3-4)

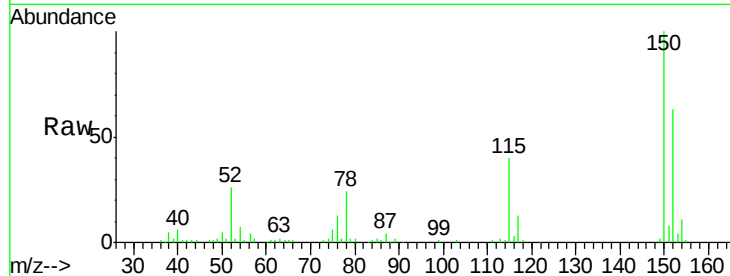
Tgt Ion:152 Resp: 55950

Ion Ratio Lower Upper

152 100

150 158.4 127.2 190.8

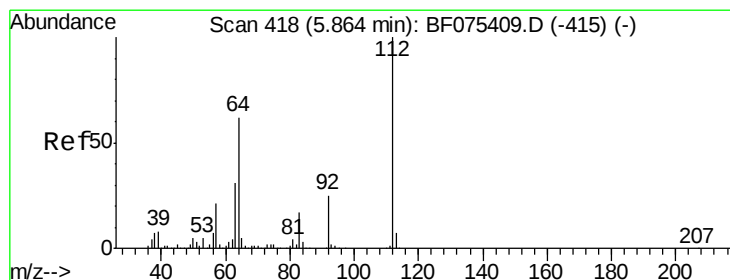
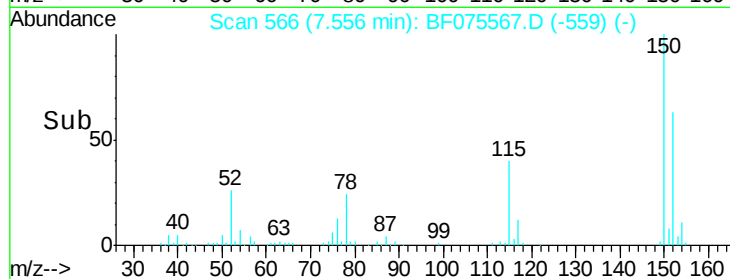
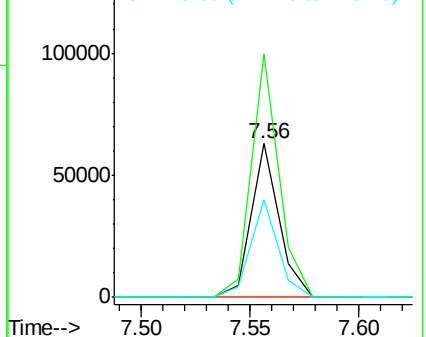
115 63.4 57.1 85.7



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: 78.76 ng

RT: 5.86 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

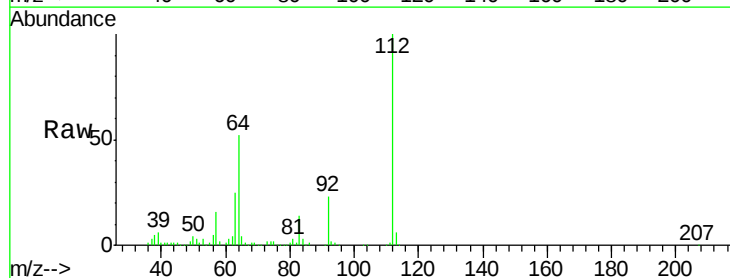
Tgt Ion:112 Resp: 249447

Ion Ratio Lower Upper

112 100

64 52.0 45.8 68.6

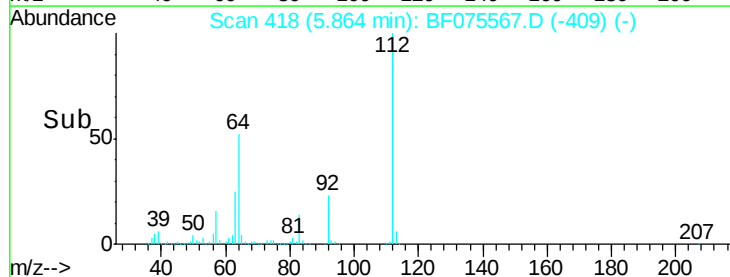
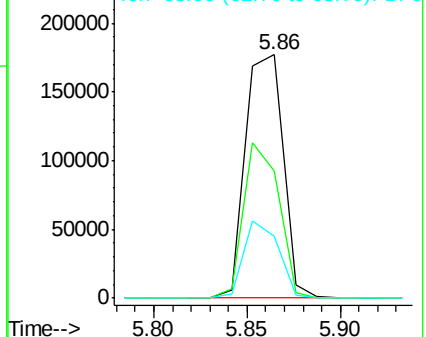
63 25.4 22.7 34.1

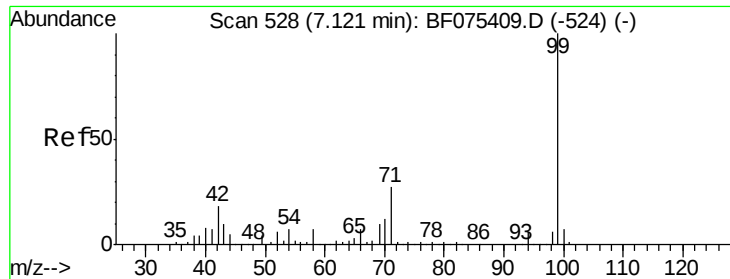


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 85.62 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Instrument :

BNA_F

ClientSampleId :

SB-3(3-4)

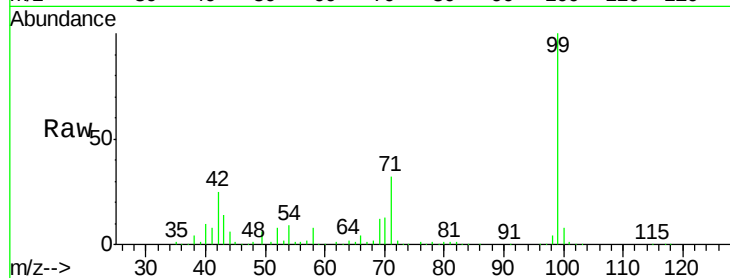
Tgt Ion: 99 Resp: 326099

Ion Ratio Lower Upper

99 100

42 24.7 19.8 29.6

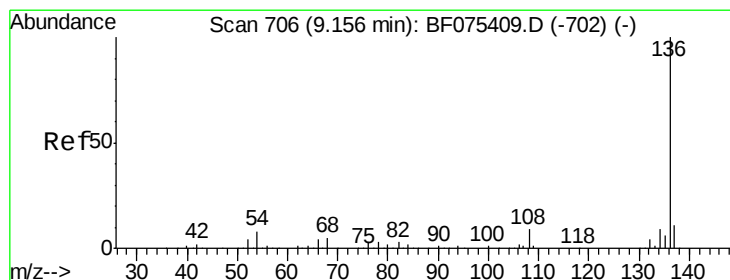
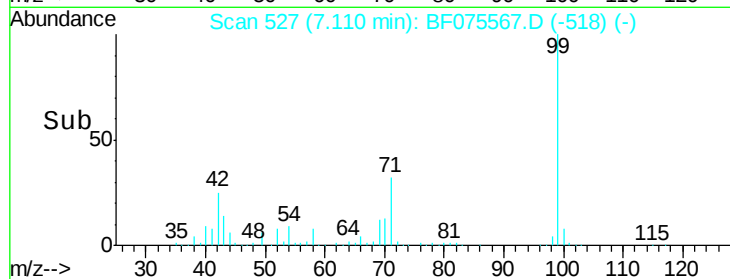
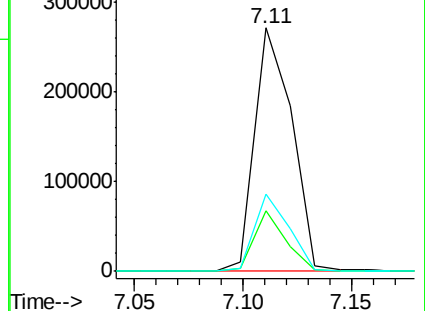
71 31.9 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Tgt Ion: 136 Resp: 239735

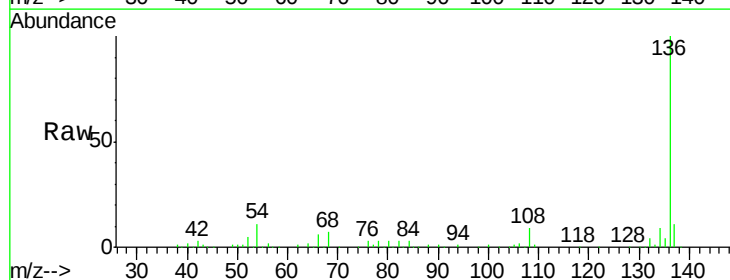
Ion Ratio Lower Upper

136 100

137 11.2 8.2 12.4

54 11.1 6.2 9.4#

68 6.9 3.4 5.2#

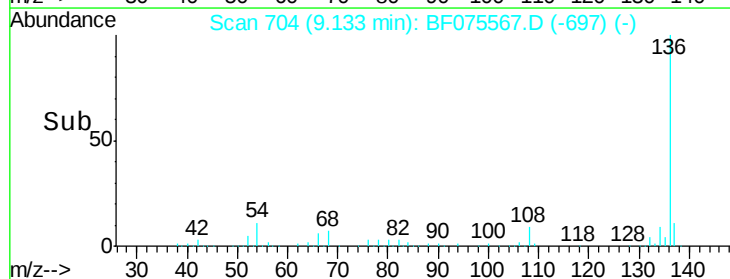
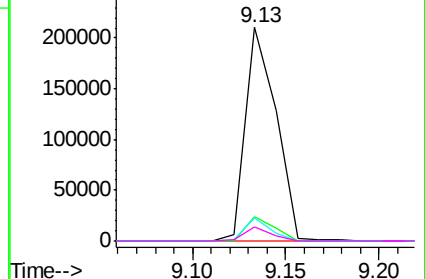


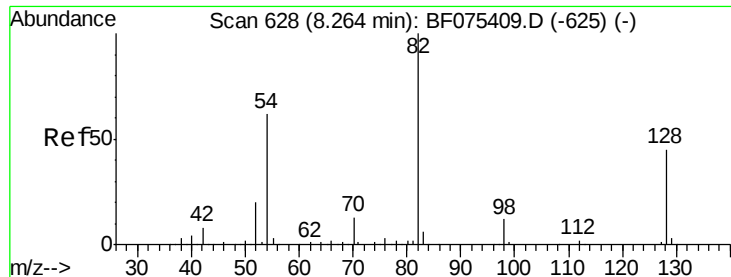
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

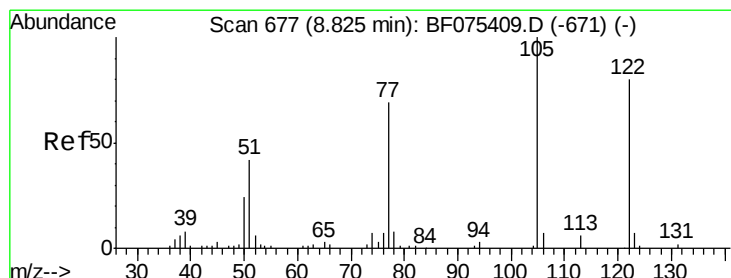
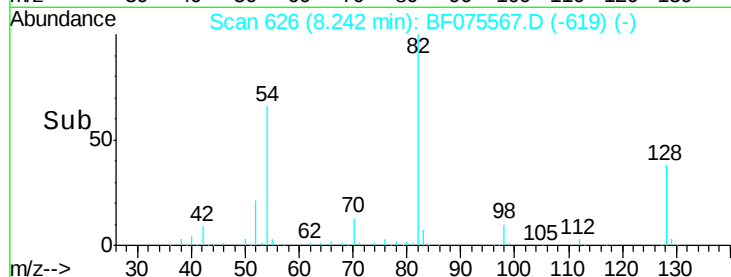
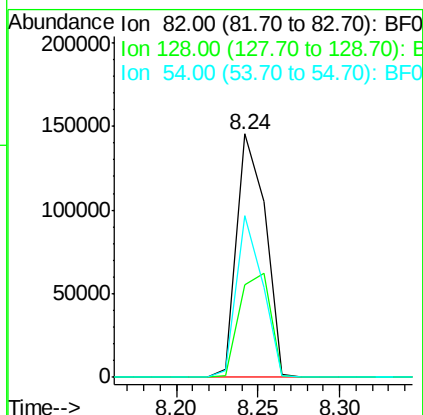
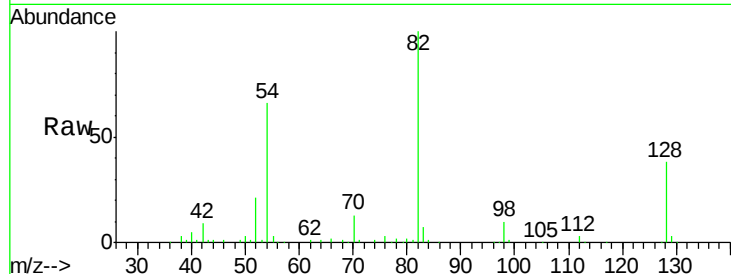




#23
 Nitrobenzene-d5
 Concen: 54.09 ng
 RT: 8.24 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF075567.D
 Acq: 16 Nov 2014 3:32

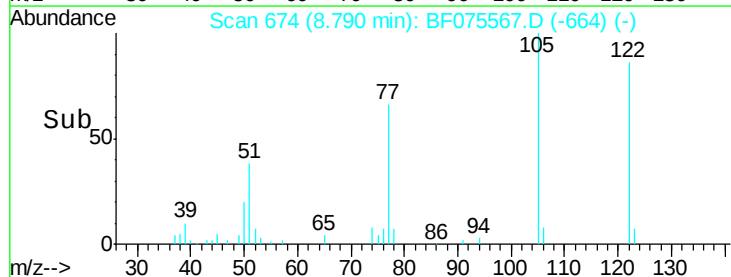
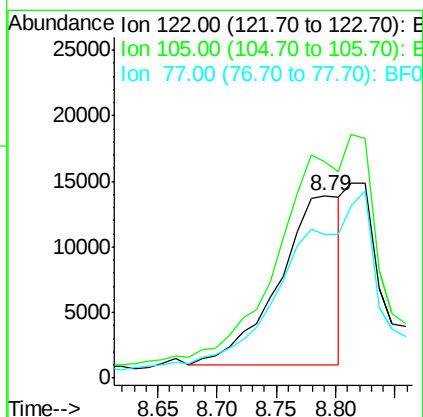
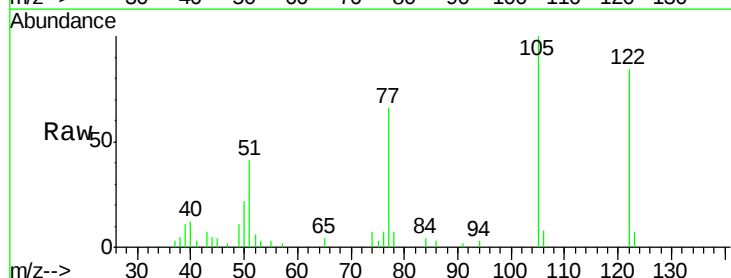
Instrument :
 BNA_F
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 SB-3(3-4)

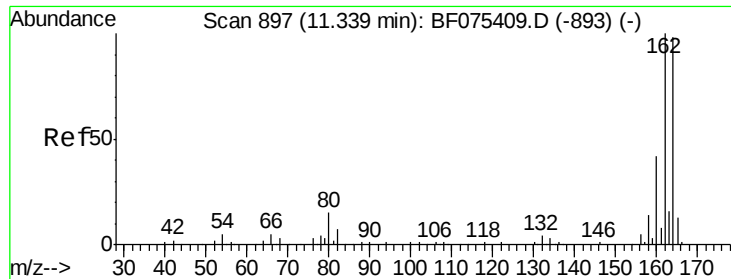
Tgt Ion: 82 Resp: 176854
 Ion Ratio Lower Upper
 82 100
 128 38.1 37.8 56.6
 54 66.4 49.8 74.8



#32
 Benzoic acid
 Concen: 23.22 ng
 RT: 8.79 min Scan# 674
 Delta R.T. 0.01 min
 Lab File: BF075567.D
 Acq: 16 Nov 2014 3:32

Tgt Ion: 122 Resp: 46947
 Ion Ratio Lower Upper
 122 100
 105 119.0 95.1 135.1
 77 78.9 62.6 102.6

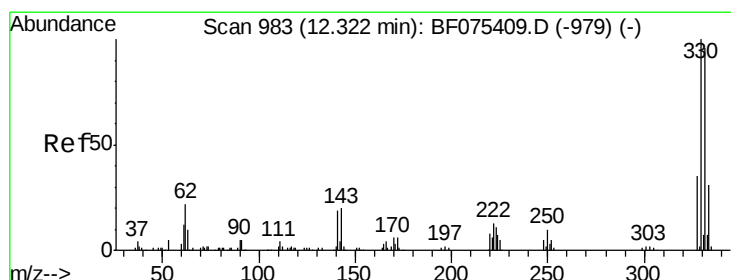
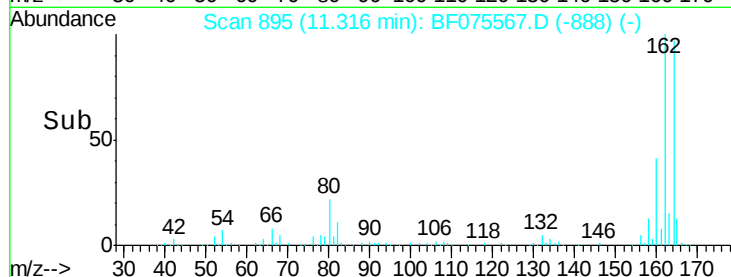
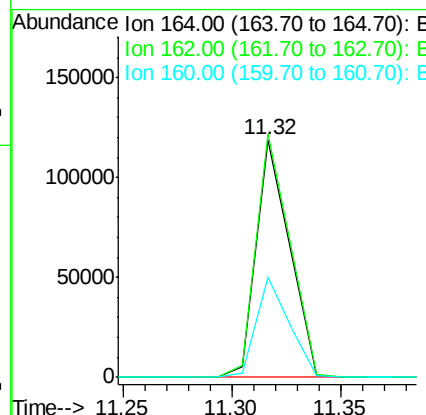
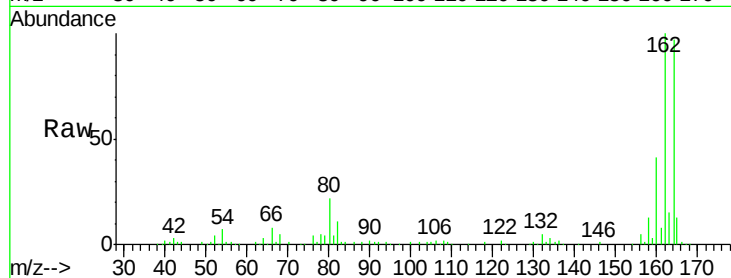




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. -0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

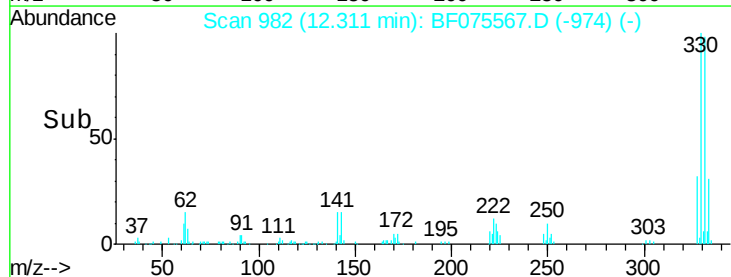
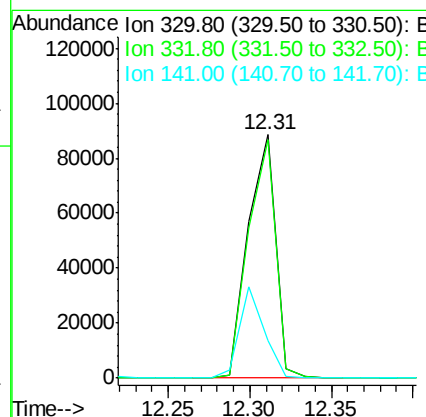
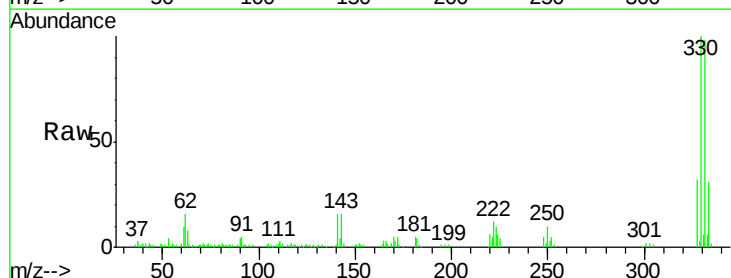
Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

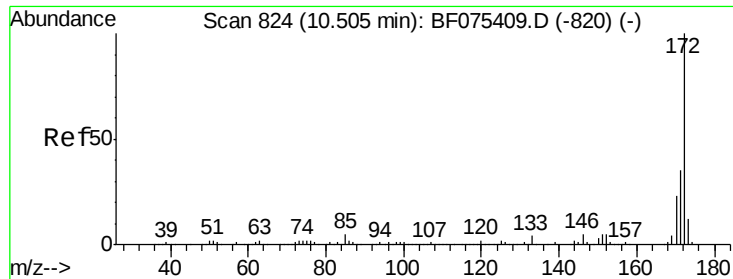
Tgt Ion:164 Resp: 126665
Ion Ratio Lower Upper
164 100
162 102.6 79.1 118.7
160 42.5 34.6 51.8



#41
2,4,6-Tribromophenol
Concen: 97.74 ng
RT: 12.31 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:330 Resp: 103694
Ion Ratio Lower Upper
330 100
332 97.0 74.5 111.7
141 33.7 30.7 46.1

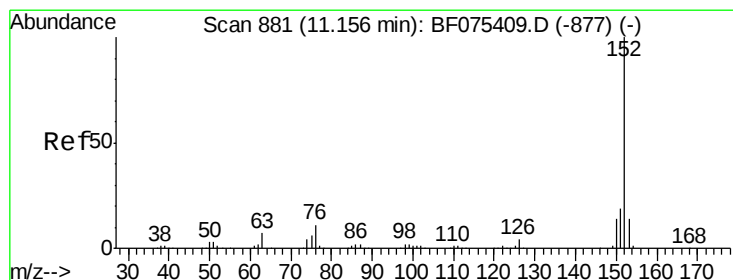
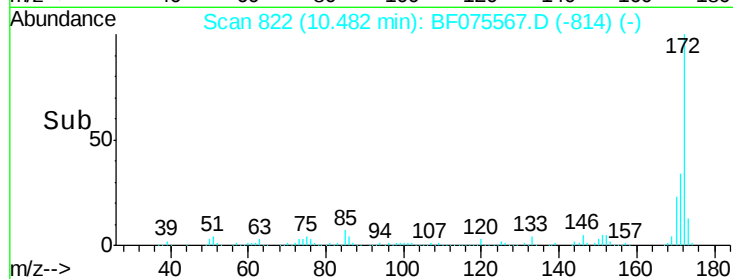
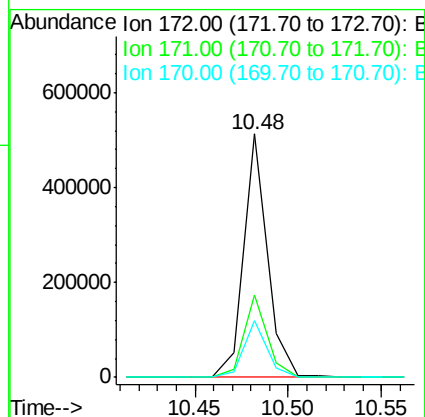
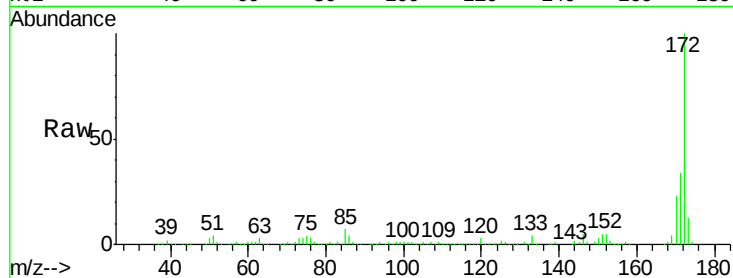




#44
2-Fluorobiphenyl
Concen: 64.91 ng
RT: 10.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

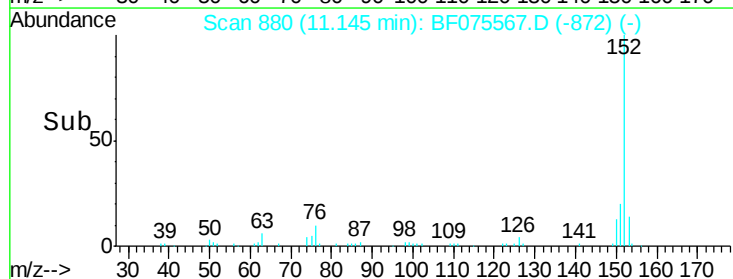
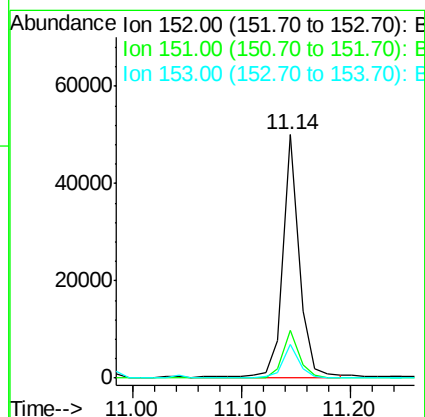
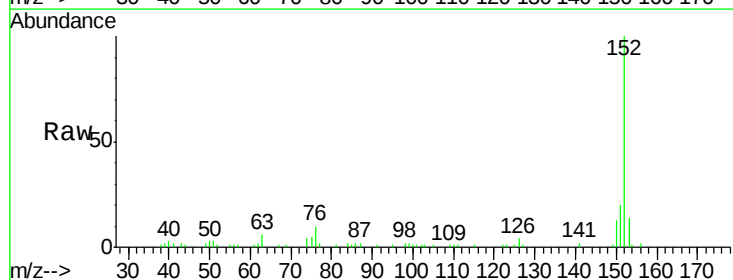
Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

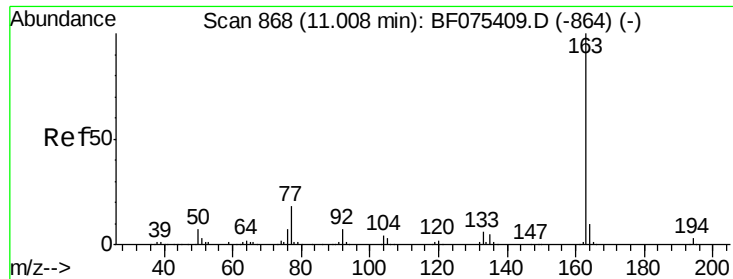
Tgt Ion:172 Resp: 455028
Ion Ratio Lower Upper
172 100
171 33.9 27.3 40.9
170 23.2 18.4 27.6



#48
Acenaphthylene
Concen: 4.87 ng
RT: 11.14 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:152 Resp: 53649
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.2
153 13.8 10.0 15.0

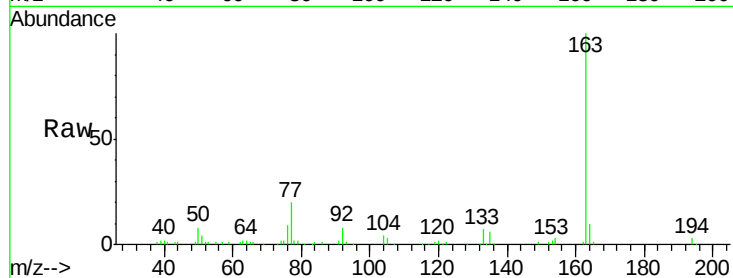




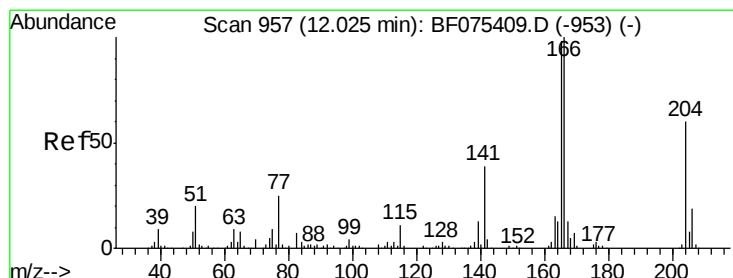
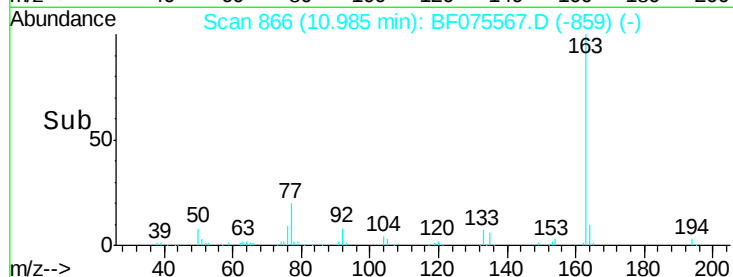
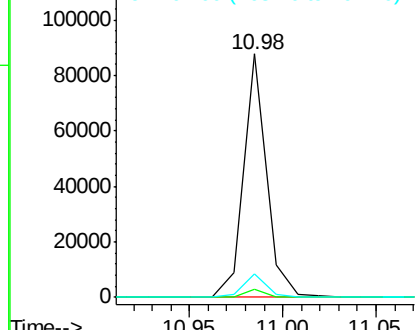
#49
Dimethylphthalate
Concen: 8.70 ng
RT: 10.98 min Scan# 866
Delta R.T. -0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

Tgt Ion:163 Resp: 75306
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.7 8.0 12.0

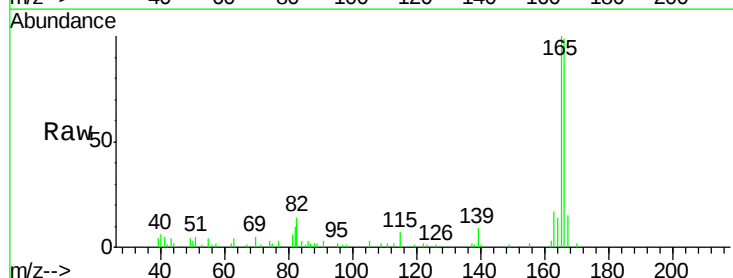


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

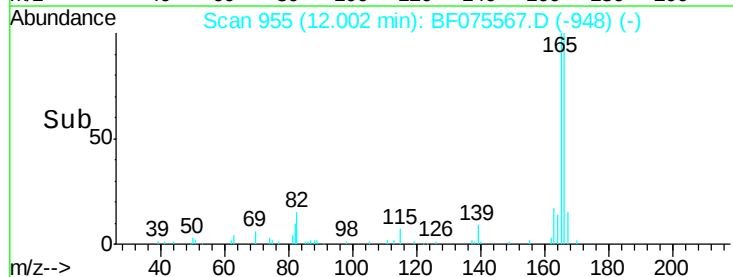
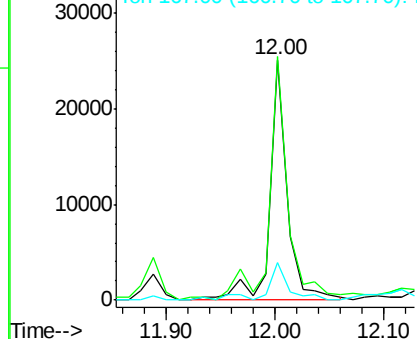


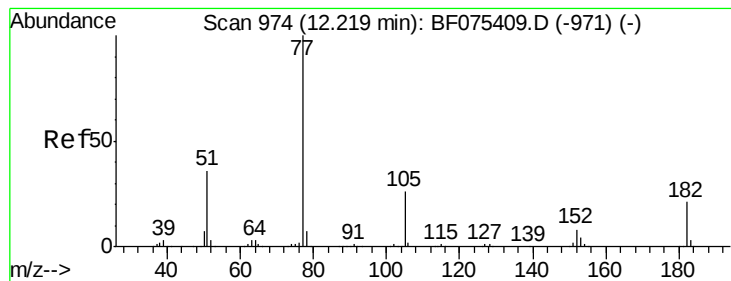
#57
Fluorene
Concen: 3.70 ng
RT: 12.00 min Scan# 955
Delta R.T. -0.02 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:166 Resp: 28444
Ion Ratio Lower Upper
166 100
165 101.3 78.8 118.2
167 15.4 10.6 15.8



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





#62

Azobenzene

Concen: 3.35 ng

RT: 12.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Instrument :

BNA_F

ClientSampled :

SB-3(3-4)

Tgt Ion: 77 Resp: 26443

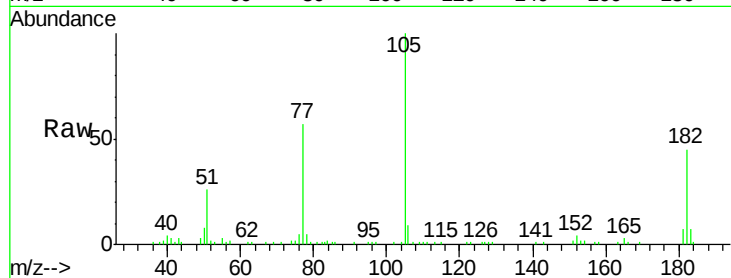
Ion Ratio Lower Upper

77 100

182 78.7 0.0 37.1#

105 175.5 3.7 43.7#

51 45.4 18.7 58.7

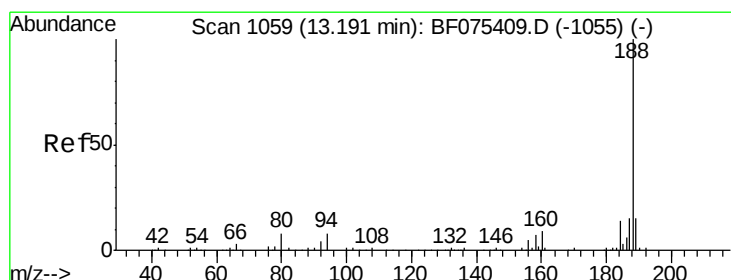
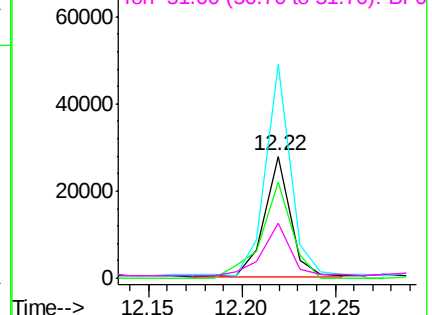
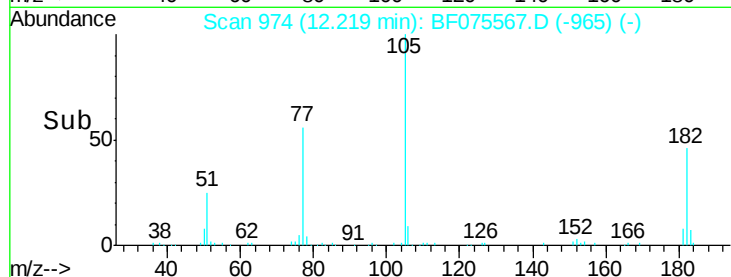


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.17 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

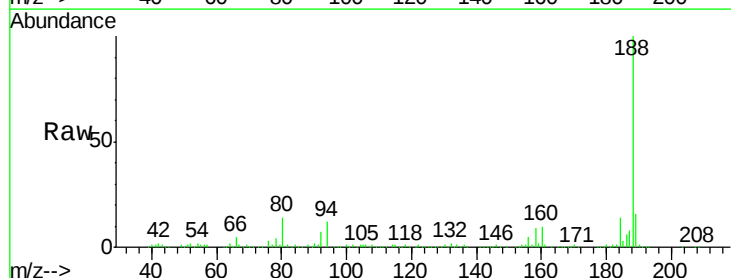
Tgt Ion: 188 Resp: 210687

Ion Ratio Lower Upper

188 100

94 12.4 7.8 11.6#

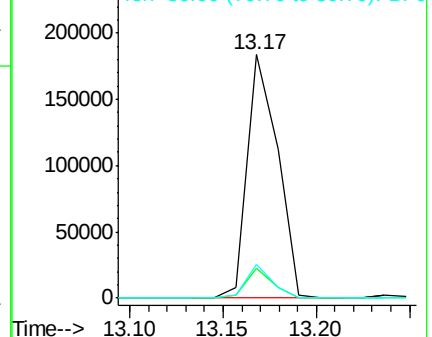
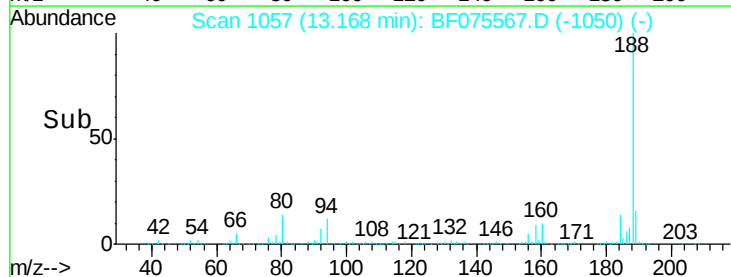
80 13.9 8.0 12.0#

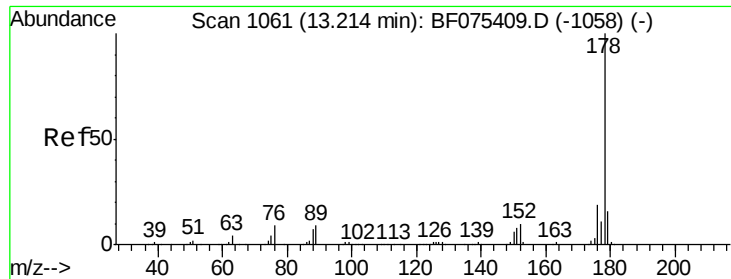


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 23.45 ng

RT: 13.20 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Instrument :

BNA_F

ClientSampleId :

SB-3(3-4)

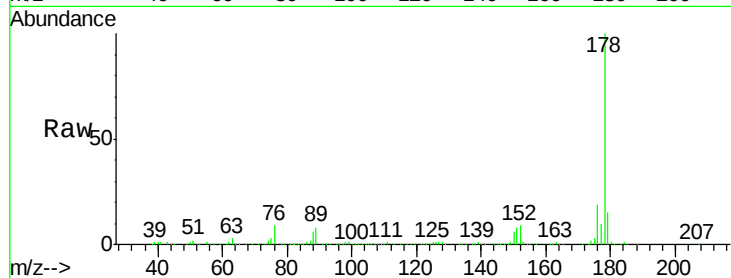
Tgt Ion:178 Resp: 260071

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

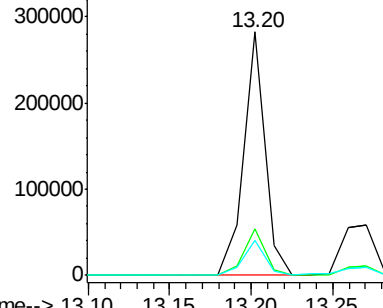
179 14.6 12.2 18.4



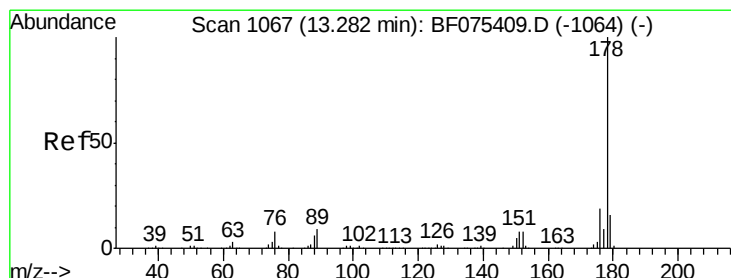
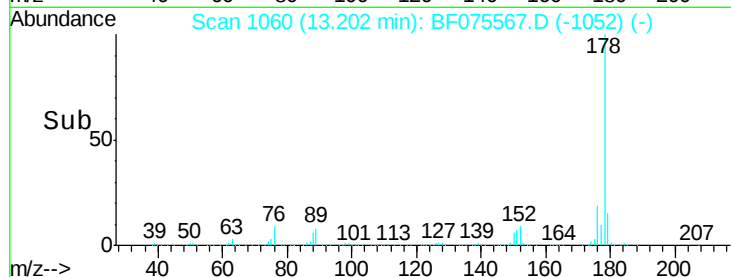
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 13.10 13.15 13.20 13.25



#71

Anthracene

Concen: 7.06 ng

RT: 13.27 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

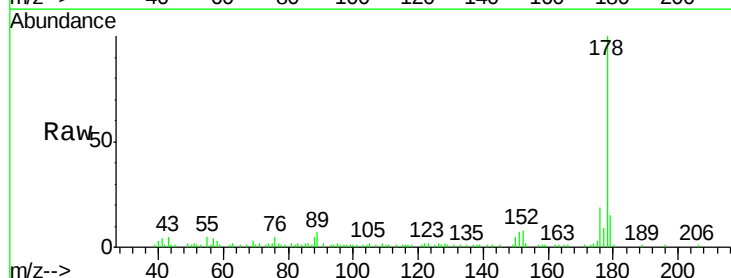
Tgt Ion:178 Resp: 80966

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

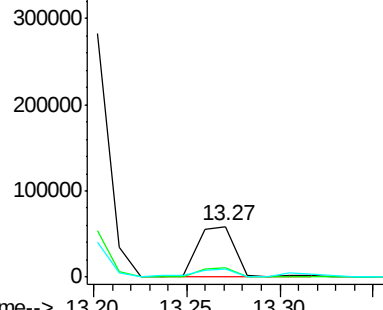
179 15.2 12.2 18.2



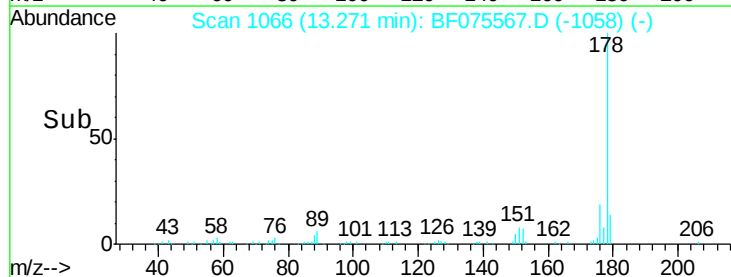
Abundance Ion 178.00 (177.70 to 178.70): E

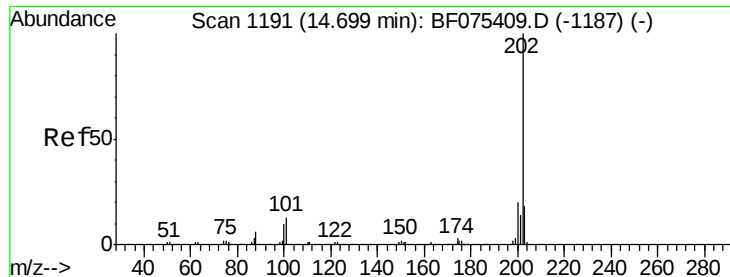
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 13.20 13.25 13.30





#74

Fluoranthene

Concen: 32.65 ng

RT: 14.69 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Instrument :

BNA_F

ClientSampleId :

SB-3(3-4)

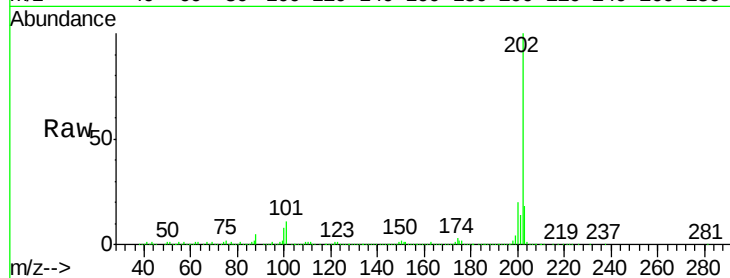
Tgt Ion: 202 Resp: 387730

Ion Ratio Lower Upper

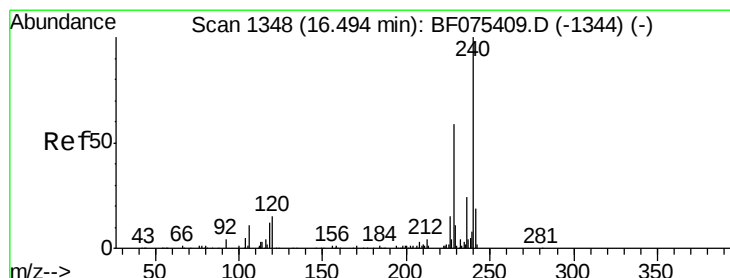
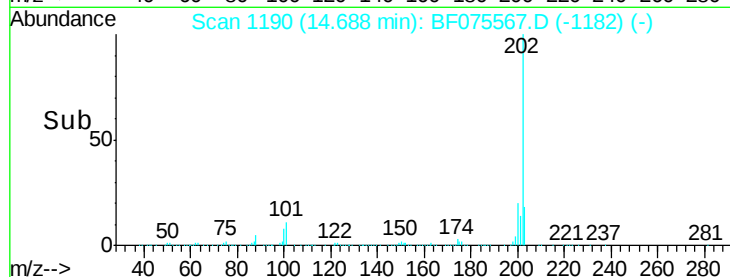
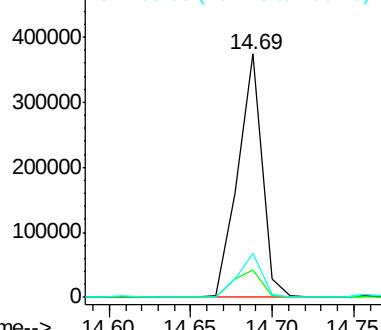
202 100

101 11.2 0.0 36.6

203 17.9 0.0 38.2



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: 20.00 ng

RT: 16.47 min Scan# 1346

Delta R.T. -0.07 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

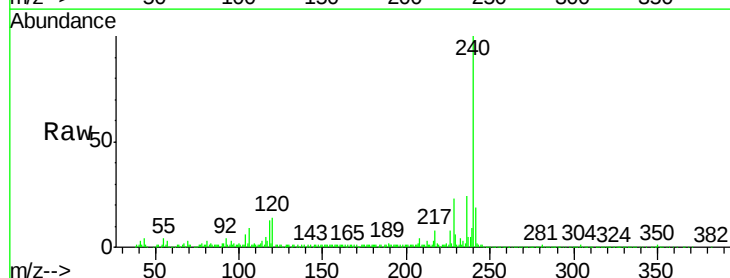
Tgt Ion: 240 Resp: 211897

Ion Ratio Lower Upper

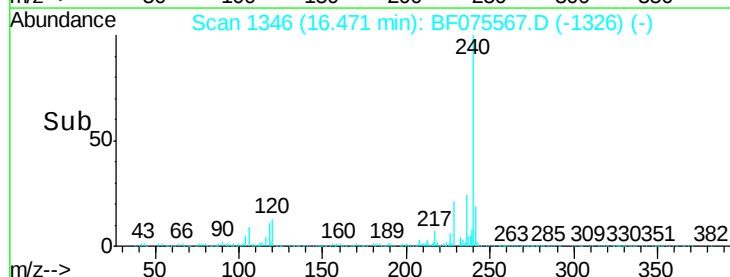
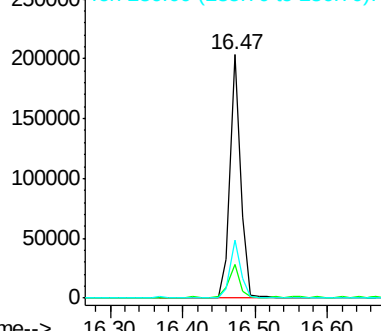
240 100

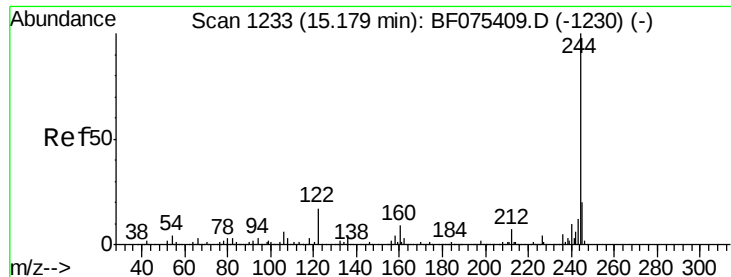
120 13.7 9.6 14.4

236 24.0 18.9 28.3



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





#78

Terphenyl-d14

Concen: 60.64 ng

RT: 15.17 min Scan# 1232

Delta R.T. -0.02 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Instrument :

BNA_F

ClientSampleId :

SB-3(3-4)

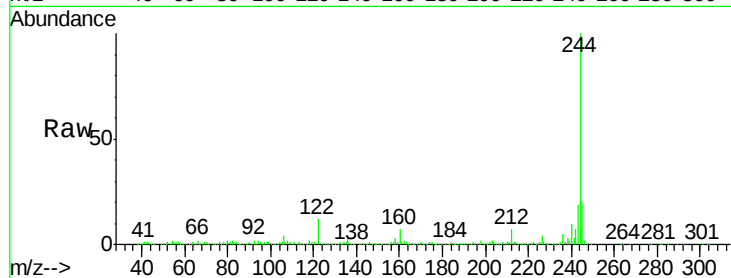
Tgt Ion:244 Resp: 477311

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

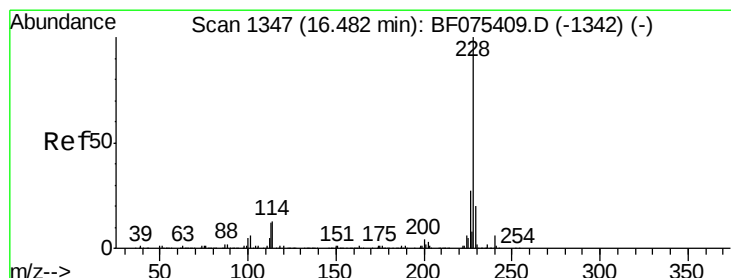
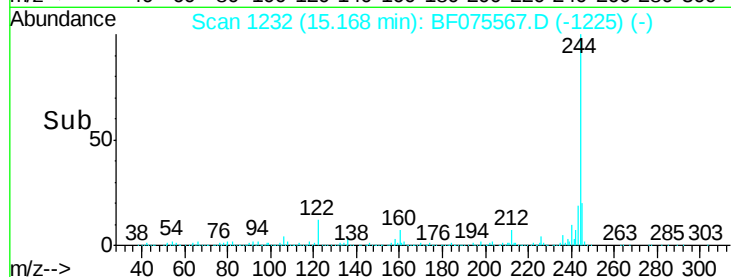
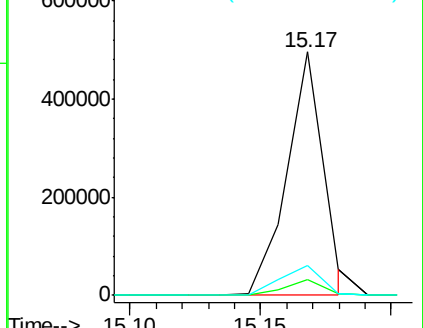
122 12.2 9.7 14.5



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: 9.29 ng

RT: 16.51 min Scan# 1349

Delta R.T. -0.02 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

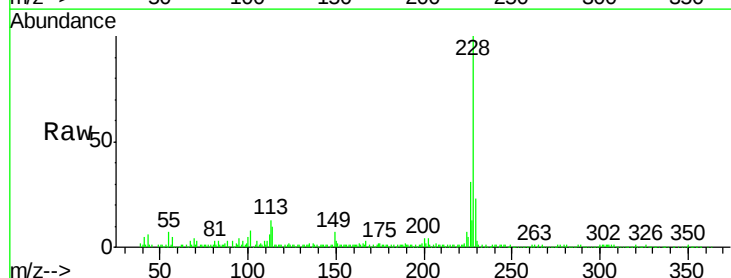
Tgt Ion:228 Resp: 103397

Ion Ratio Lower Upper

228 100

226 30.9 21.8 32.8

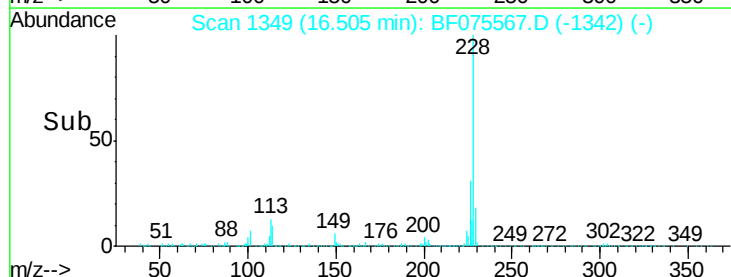
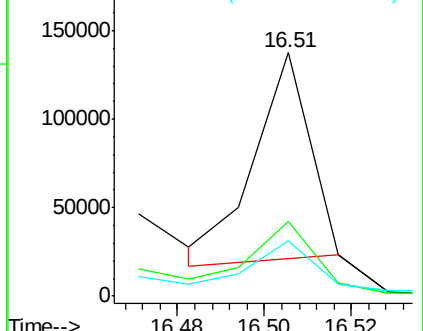
229 22.8 15.3 22.9

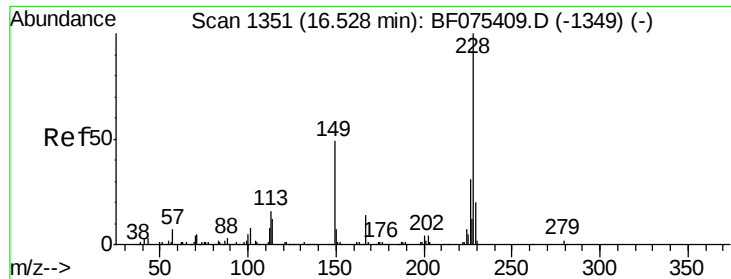


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.97 ng

RT: 16.51 min Scan# 1349

Delta R.T. -0.07 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

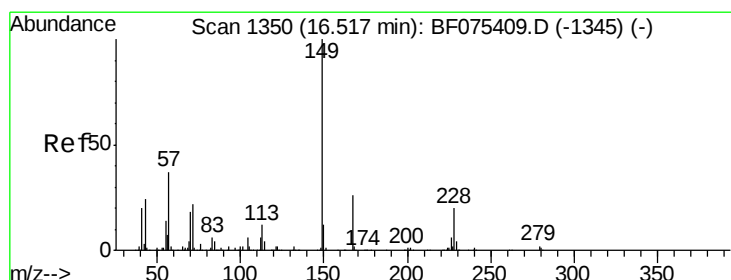
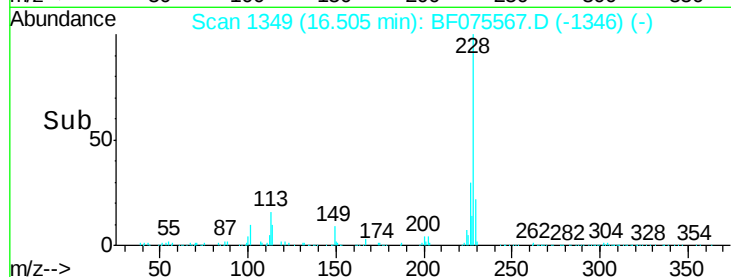
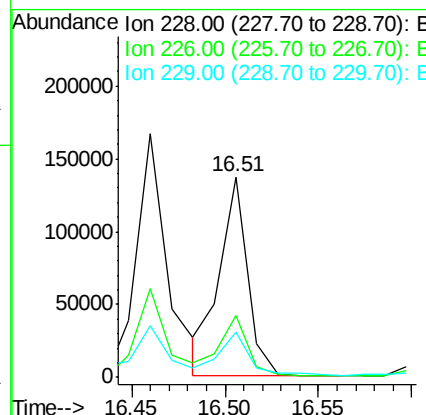
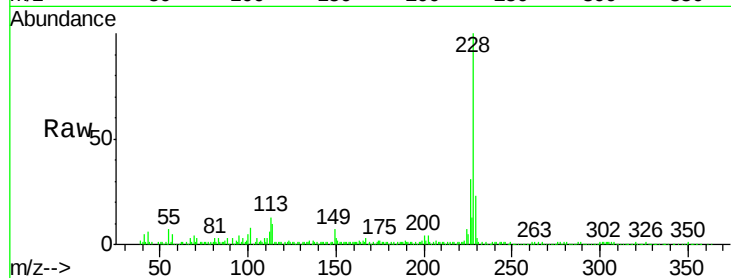
Instrument :

BNA_F

ClientSampleId :

SB-3(3-4)

Tgt Ion:	228	Resp:	144145
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	22.8	15.8	23.6



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.42 ng

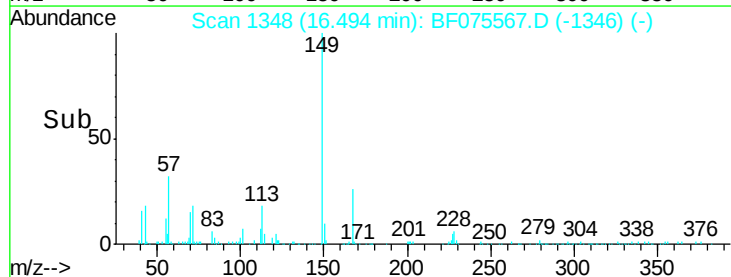
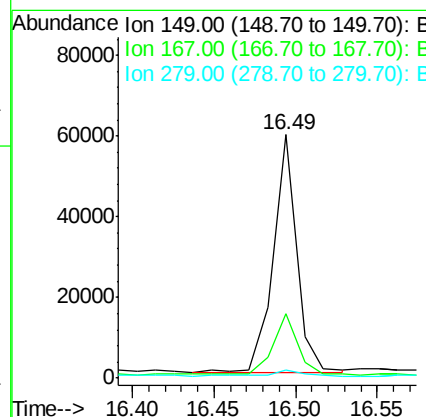
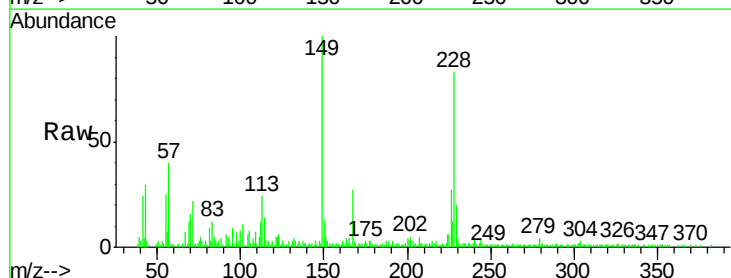
RT: 16.49 min Scan# 1348

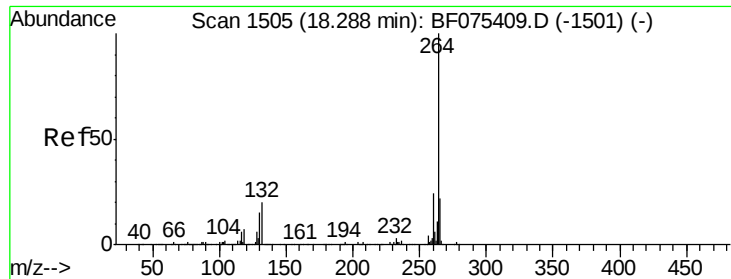
Delta R.T. -0.08 min

Lab File: BF075567.D

Acq: 16 Nov 2014 3:32

Tgt Ion:	149	Resp:	59110
Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.4	32.2
279	3.5	2.8	4.2

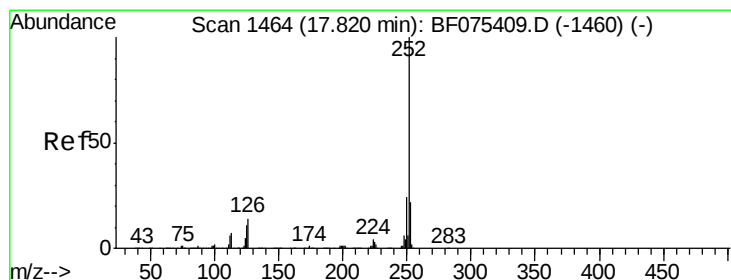
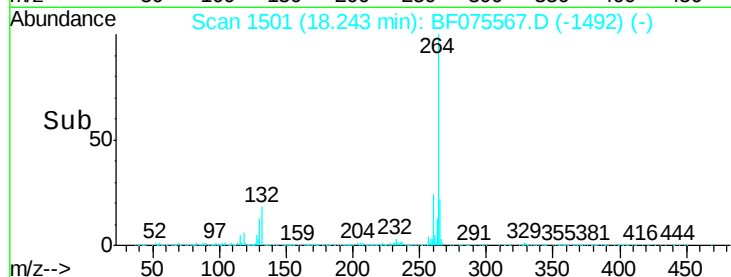
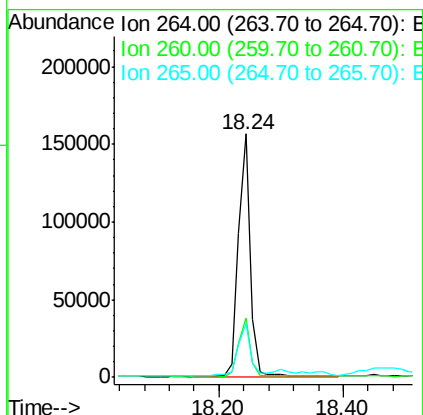
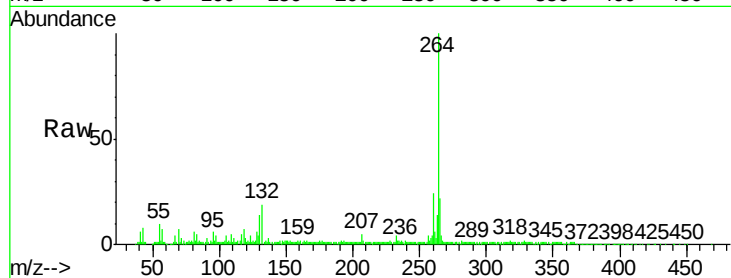




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.24 min Scan# 1501
Delta R.T. -0.19 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

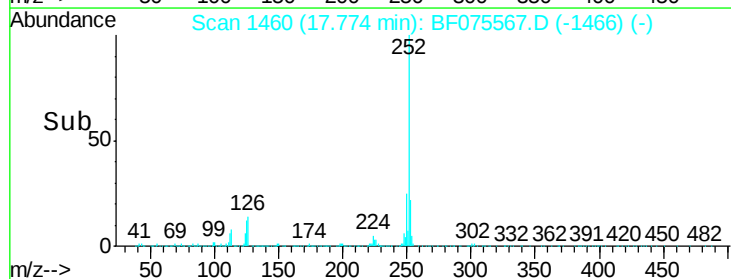
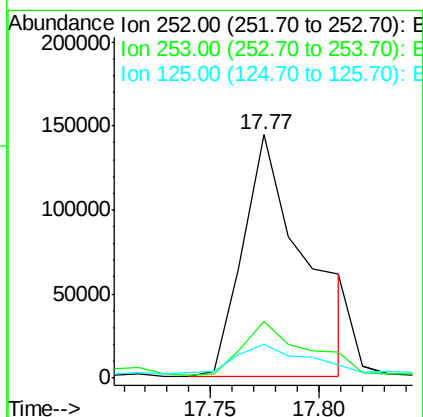
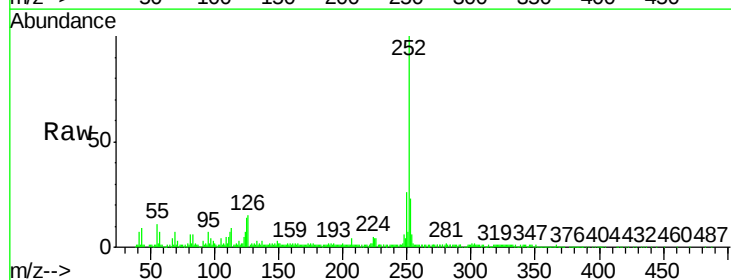
Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

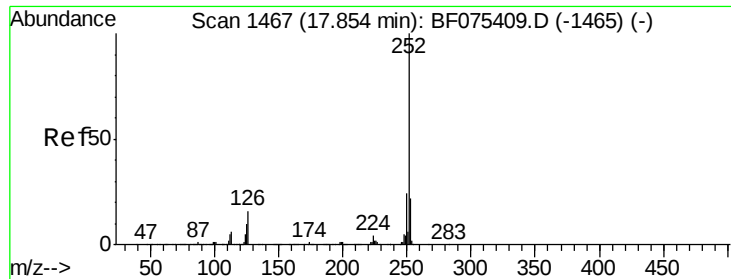
Tgt Ion:	264	Resp:	208254
Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.9	26.9
265	22.3	16.3	24.5



#87
Benzo(b)fluoranthene
Concen: 25.77 ng
RT: 17.77 min Scan# 1460
Delta R.T. -0.17 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:	252	Resp:	286952
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	14.1	11.8	17.6

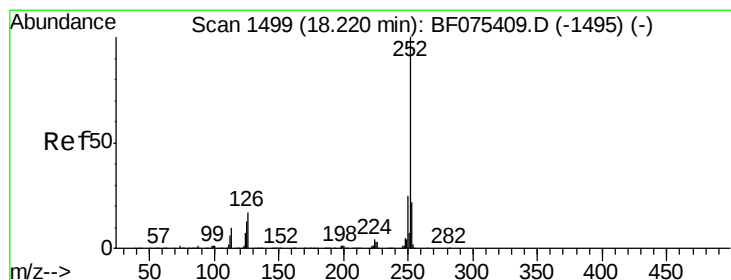
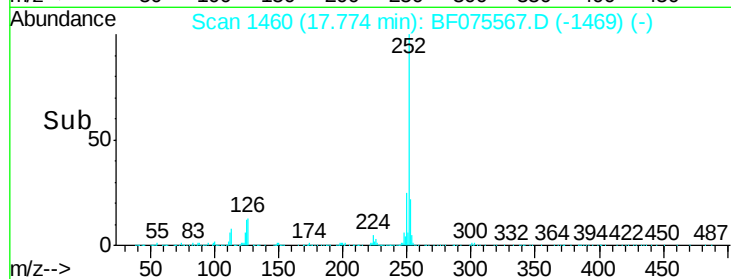
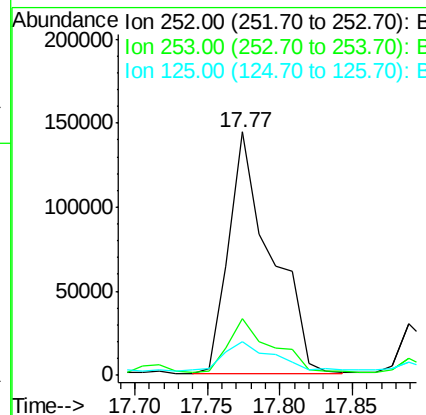
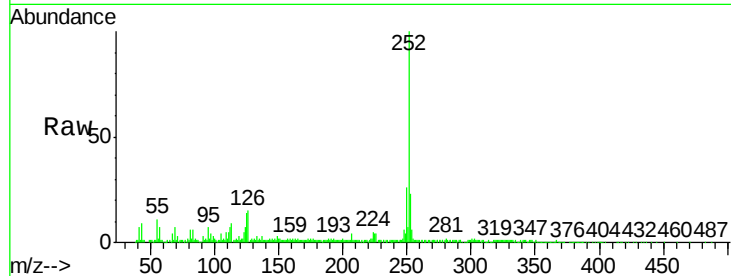




#88
Benzo(k)fluoranthene
Concen: 29.27 ng
RT: 17.77 min Scan# 1460
Delta R.T. -0.21 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

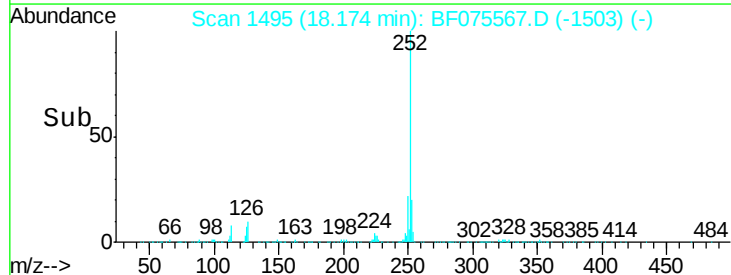
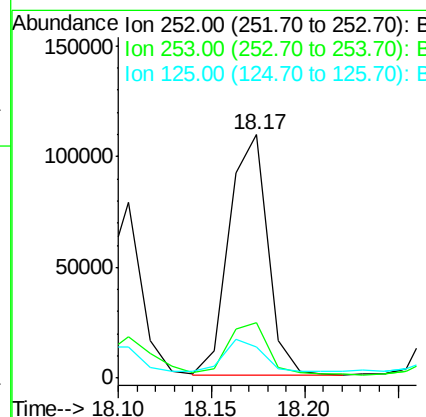
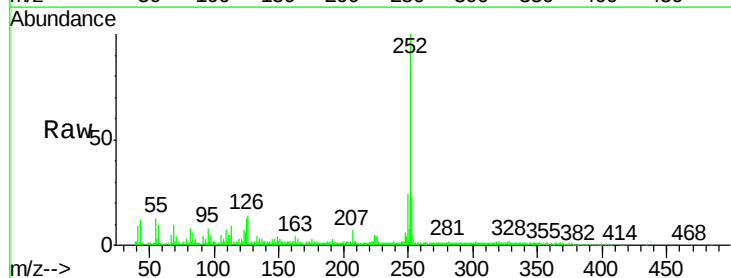
Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

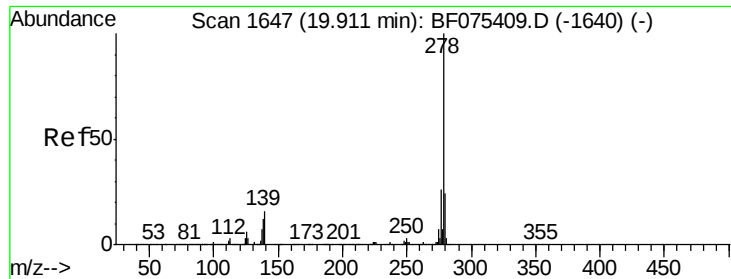
Tgt Ion:	252	Resp:	292473
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	14.1	11.6	17.4



#89
Benzo(a)pyrene
Concen: 15.63 ng
RT: 18.17 min Scan# 1495
Delta R.T. -0.19 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion:	252	Resp:	155732
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	12.7	12.2	18.4

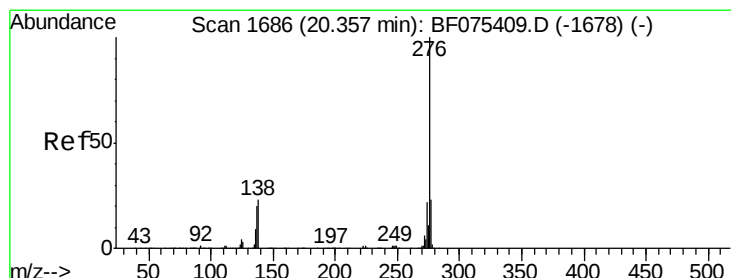
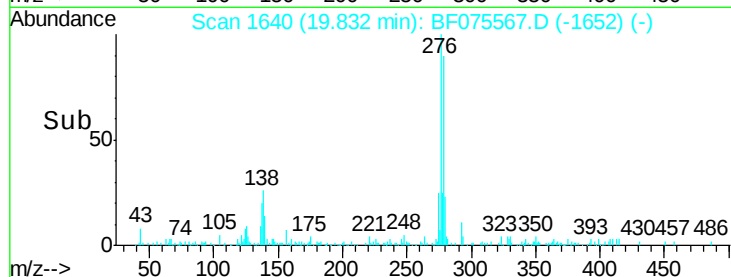
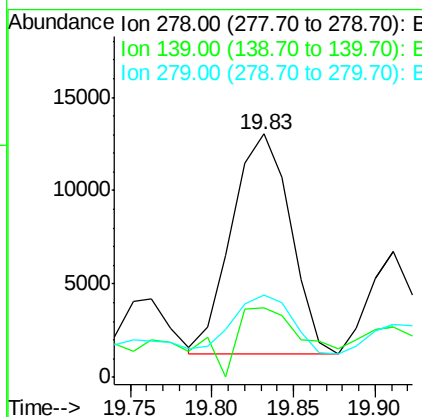
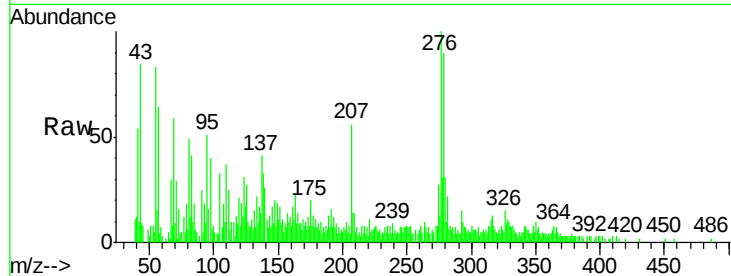




#90
Dibenzo(a,h)anthracene
Concen: 2.82 ng
RT: 19.83 min Scan# 1640
Delta R.T. -0.24 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Instrument :
BNA_F
ClientSampleId :
SB-3(3-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	13.6	20.4#
279	33.9	19.4	29.0#



#91
Benzo(g,h,i)perylene
Concen: 9.55 ng
RT: 20.28 min Scan# 1679
Delta R.T. -0.23 min
Lab File: BF075567.D
Acq: 16 Nov 2014 3:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.8	26.8
138	31.3	22.8	34.2

