

Data Path : Z:\HPCHEM1\BNA F\Data\BF060315\
 Data File : BF079665.D
 Acq On : 3 Jun 2015 16:34
 Operator : TP/IZ
 Sample : G2408-18DL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18SDL

Quant Time: Jun 03 18:12:52 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

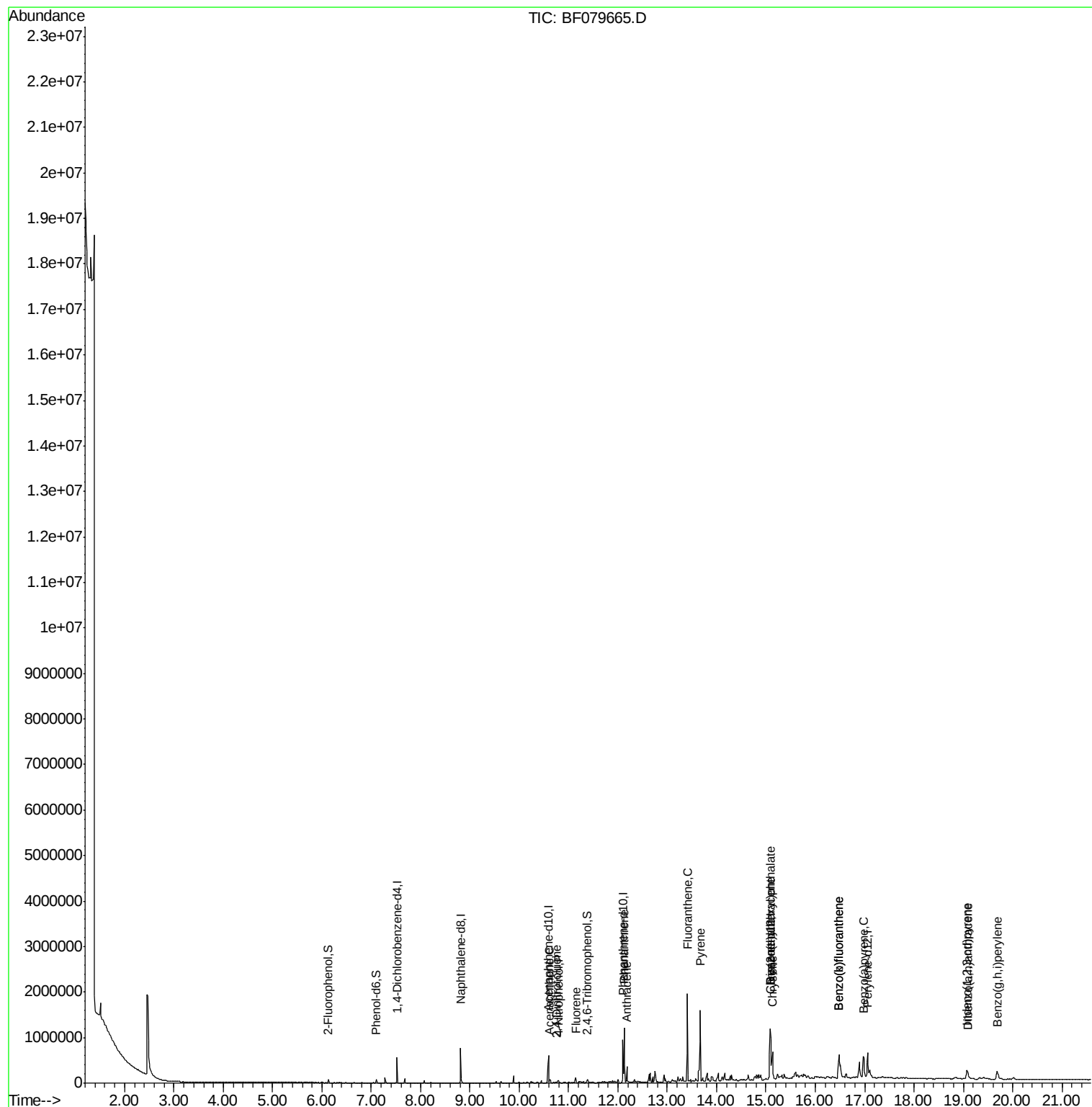
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	76213	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	299154	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	149198	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	323649	20.00	ng	-0.03
75) Chrysene-d12	15.10	240	314837	20.00	ng	-0.29
86) Perylene-d12	17.06	264	308939	20.00	ng	-0.42
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	23960	6.23	ng	-0.01
7) Phenol-d6	7.10	99	31904	3.90	ng	-0.01
23) Nitrobenzene-d5	8.07	82	14805	-1.00	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	5534	4.49	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	46433	-2.01	ng	0.00
78) Terphenyl-d14	13.81	244	55112	-0.32	ng	-0.15
Target Compounds						Qvalue
51) Acenaphthene	10.62	154	21639	2.39	ng	94
55) 4-Nitrophenol	10.79	139	7992	4.63	ng	# 18
56) 2,4-Dinitrotoluene	10.75	165	617	2.57	ng	# 30
57) Fluorene	11.14	166	29015	2.70	ng	97
70) Phenanthrene	12.13	178	473379	26.46	ng	99
71) Anthracene	12.18	178	133812	7.43	ng	99
74) Fluoranthene	13.41	202	803343	41.64	ng	96
77) Pyrene	13.67	202	787888	43.46	ng	99
80) Benzo(a)anthracene	15.09	228	427619	24.84	ng	100
82) Chrysene	15.13	228	304578	17.58	ng	98
83) Bis(2-ethylhexyl)phthalate	15.09	149	1677	3.37	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.07	276	182225	10.76	ng	93
87) Benzo(b)fluoranthene	16.48	252	539065	33.77	ng	99
88) Benzo(k)fluoranthene	16.48	252	539065	28.82	ng	98
89) Benzo(a)pyrene	16.98	252	326550	20.92	ng	# 97
90) Dibenzo(a,h)anthracene	19.10	278	35770	2.45	ng	94
91) Benzo(a,h,i)perylene	19.69	276	192543	12.41	ng	98

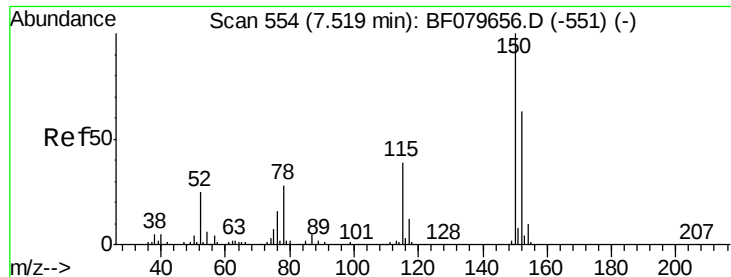
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF060315\
Data File : BF079665.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Quant Time: Jun 03 18:12:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 15:20:47 2015
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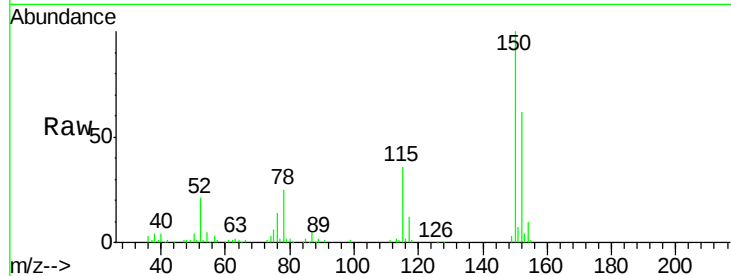


#1

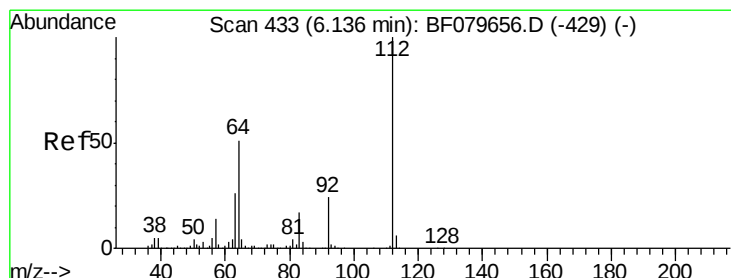
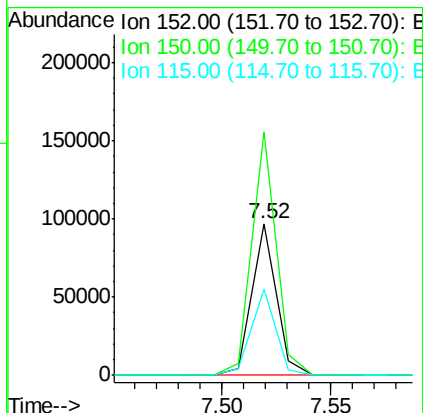
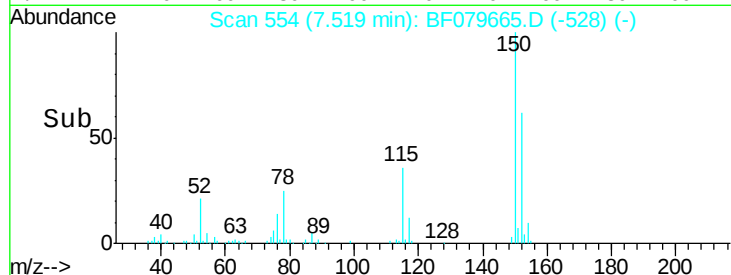
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Tot Ion:152 Resp: 76213
Ion Ratio Lower Upper
152 100
150 160.4 126.7 190.1
115 57.1 49.2 73.8



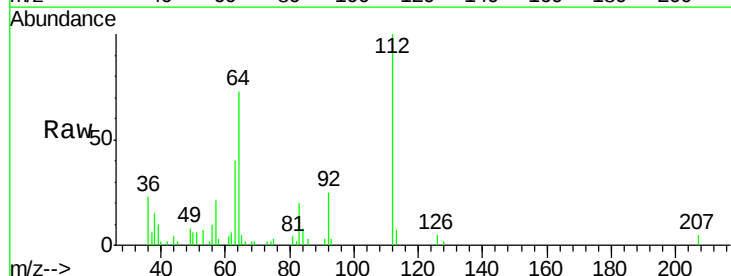
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



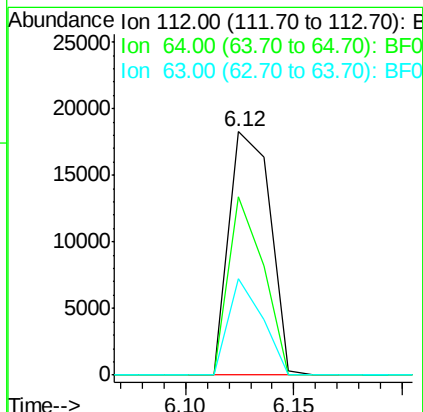
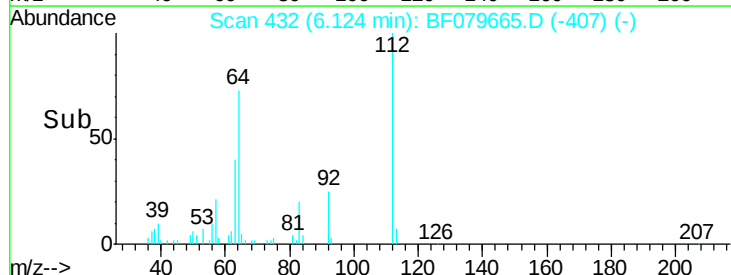
#5

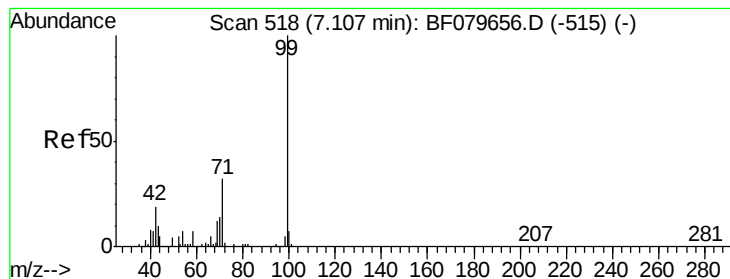
2-Fluorophenol
Concen: 6.23 ng
RT: 6.12 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:112 Resp: 23960
Ion Ratio Lower Upper
112 100
64 73.3 41.1 61.7#
63 39.8 20.5 30.7#



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: 3.90 ng

RT: 7.10 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-18SDL

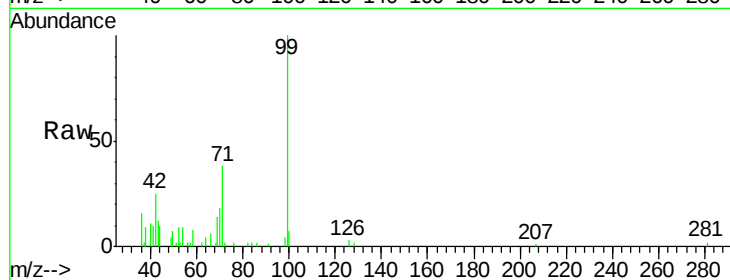
Tot Ion: 99 Resp: 31904

Ion Ratio Lower Upper

99 100

42 25.3 15.2 22.8#

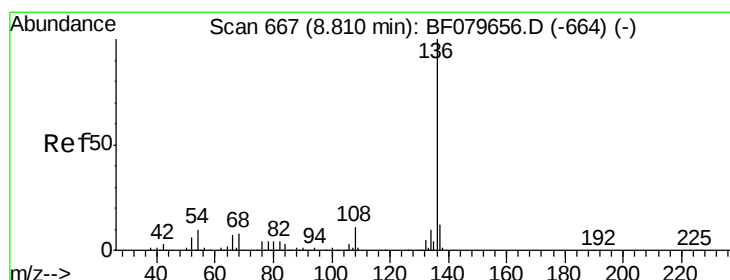
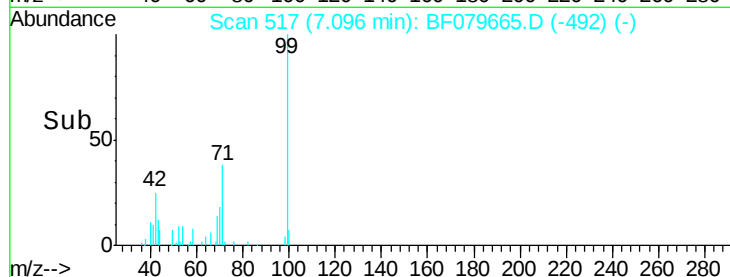
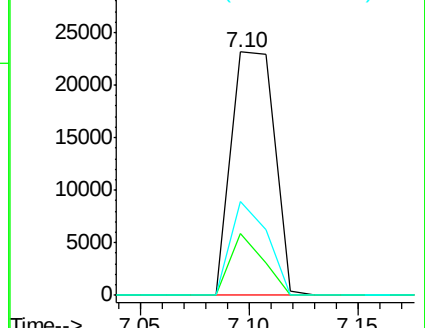
71 38.5 25.9 38.9



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: 8.81 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Tgt Ion: 136 Resp: 299154

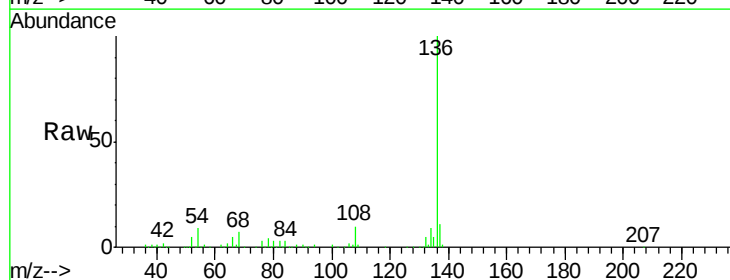
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 9.5 8.3 12.5

68 6.8 6.1 9.1

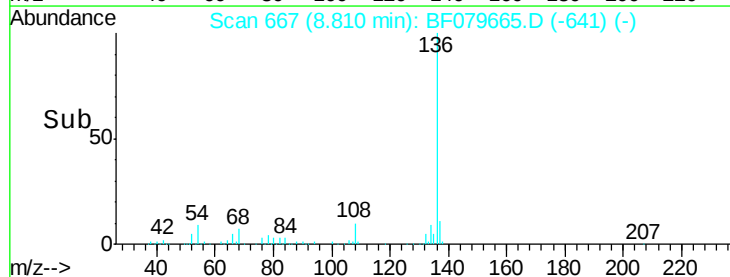
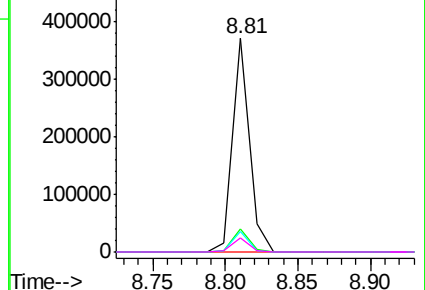


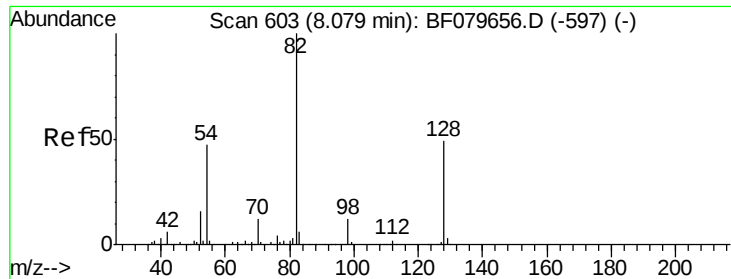
Abundance Ion 136.00 (135.70 to 136.70): E

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

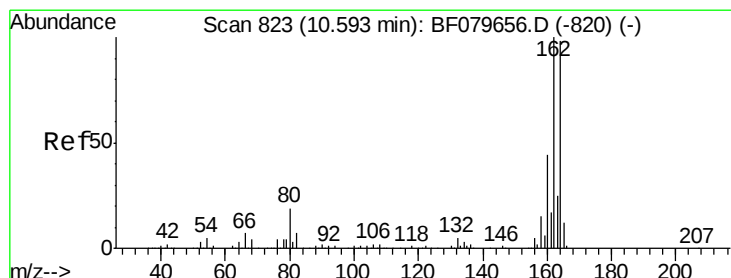
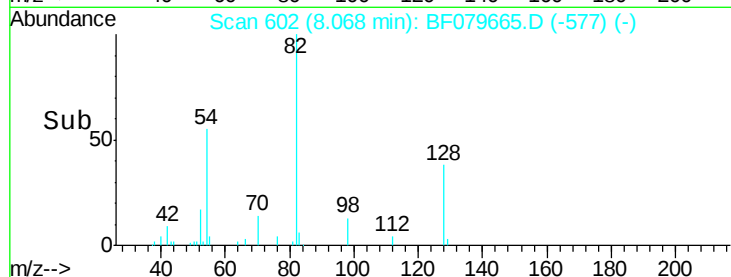
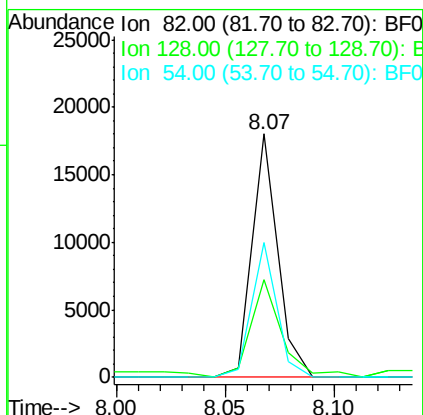
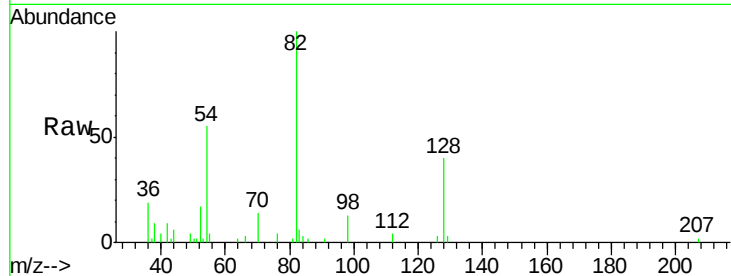




#23
 Nitrobenzene-d5
 Concen: -1.00 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

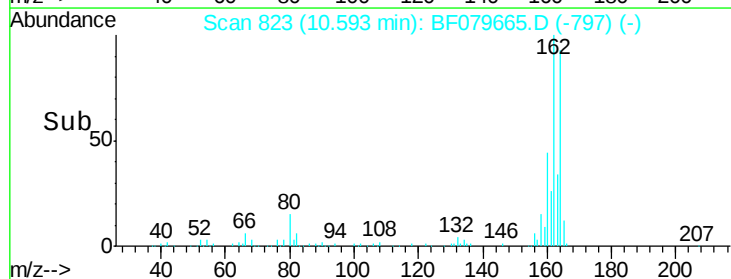
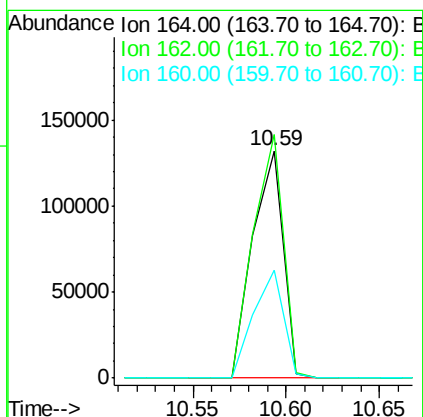
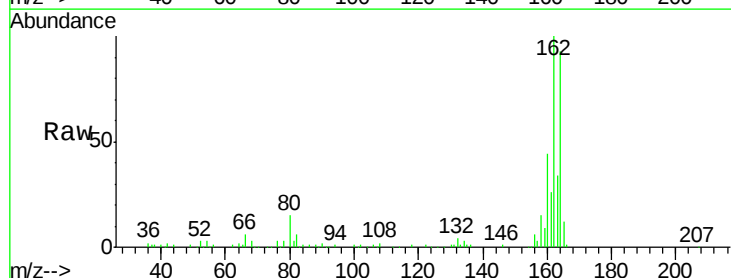
Instrument :
 BNA_F
 ClientSampleId :
 SB-18SDL

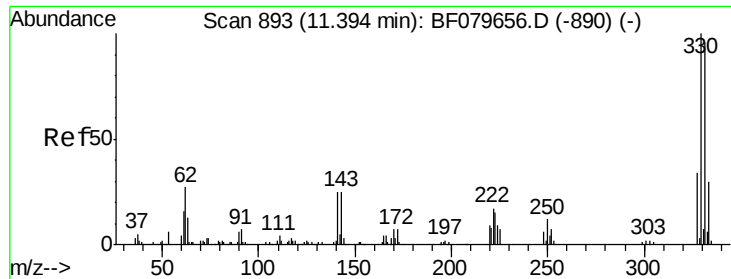
Tot Ion	82	Resp	14805
Ion	Ratio	Lower	Upper
82	100		
128	40.0	39.4	59.0
54	55.3	37.4	56.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

Tgt Ion	164	Resp	149198
Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.0	123.0
160	47.5	35.9	53.9

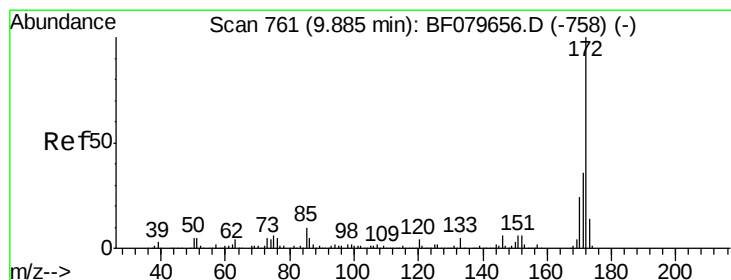
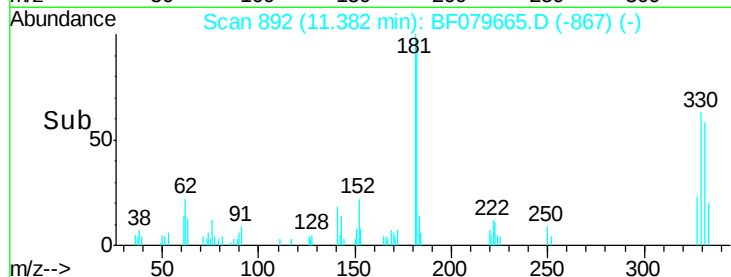
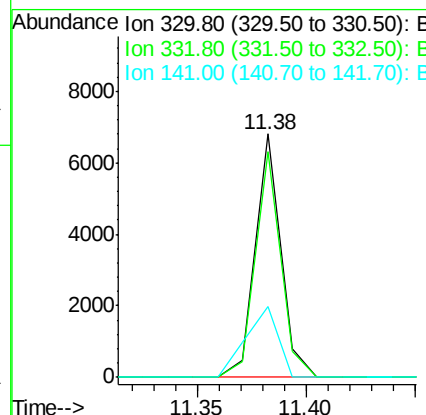
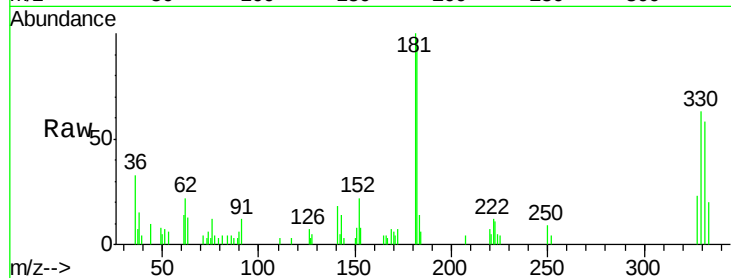




#41
 2,4,6-Tribromophenol
 Concen: 4.49 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

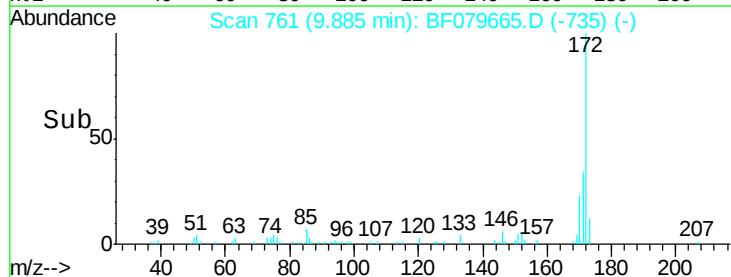
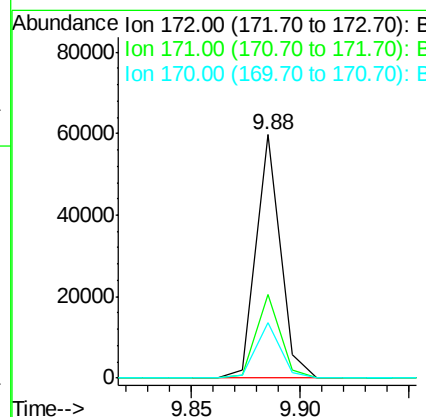
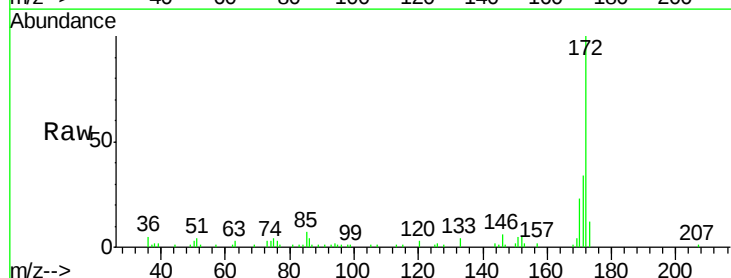
Instrument :
 BNA_F
 ClientSampleId :
 SB-18SDL

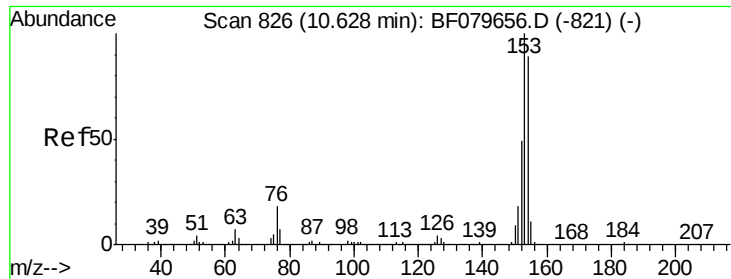
Tot Ion:330 Resp: 5534
 Ion Ratio Lower Upper
 330 100
 332 92.7 77.3 115.9
 141 36.8 27.4 41.2



#44
 2-Fluorobiphenyl
 Concen: -2.01 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

Tgt Ion:172 Resp: 46433
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.8 43.2
 170 22.6 19.2 28.8





#51

Acenaphthene

Concen: 2.39 ng

RT: 10.62 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-18SDL

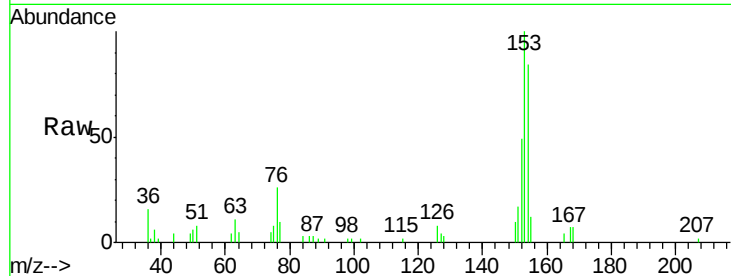
Tot Ion:154 Resp: 21639

Ion Ratio Lower Upper

154 100

153 119.4 89.8 134.6

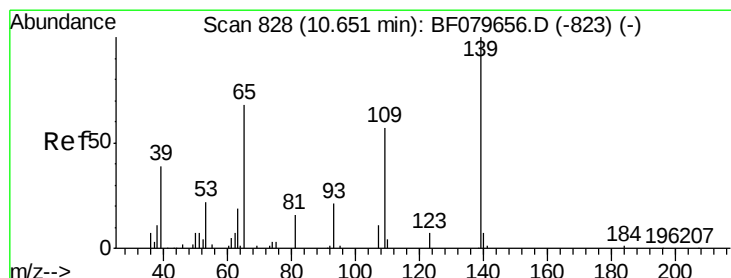
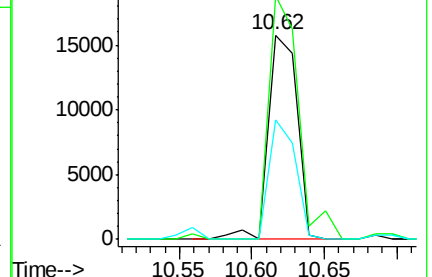
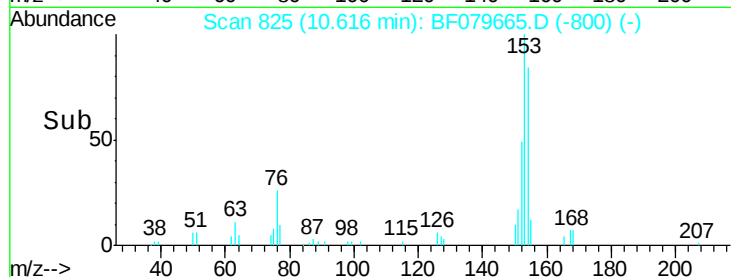
152 58.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 4.63 ng

RT: 10.79 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

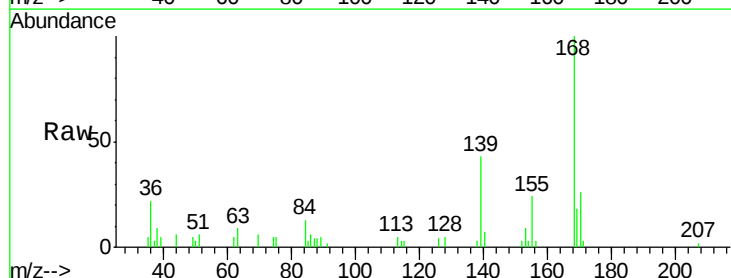
Tgt Ion:139 Resp: 7992

Ion Ratio Lower Upper

139 100

109 0.0 37.1 77.1#

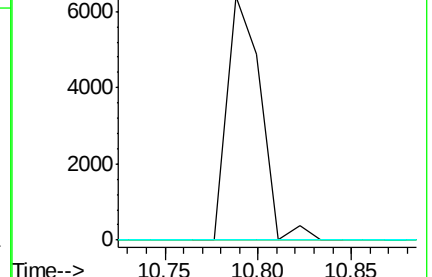
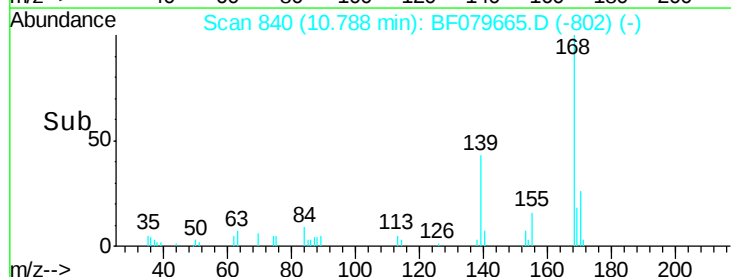
65 0.0 49.2 89.2#

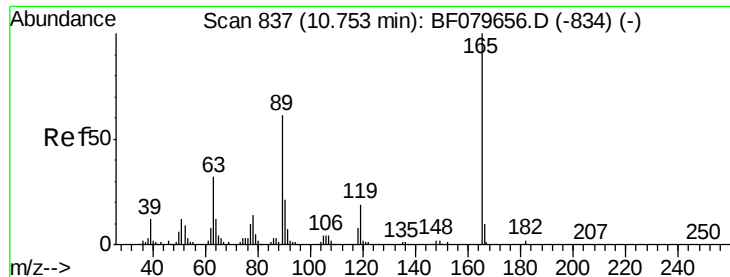


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

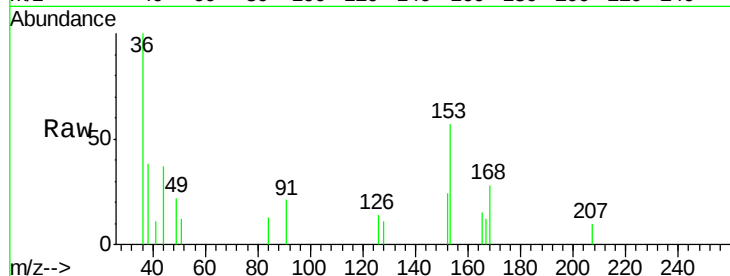




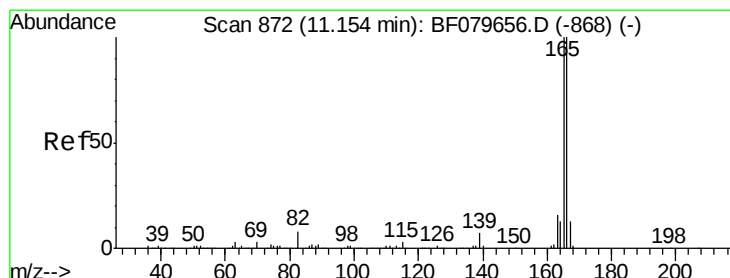
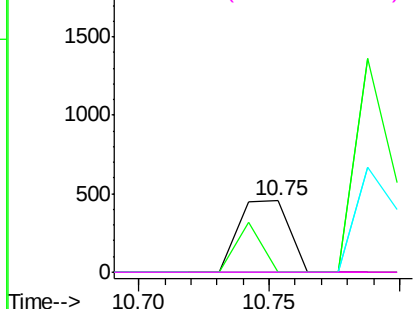
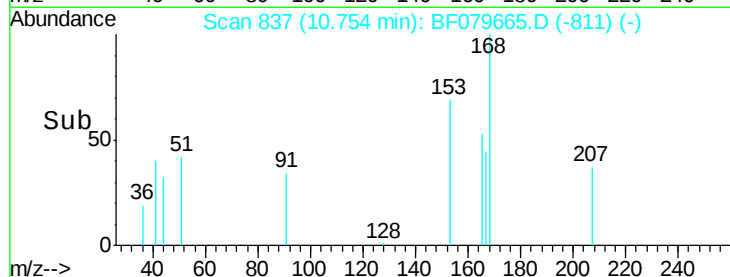
#56
2,4-Dinitrotoluene
Concen: 2.57 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Instrument :
BNA_F
ClientSampleId :
SB-18SDL

Tot Ion:165 Resp: 617
Ion Ratio Lower Upper
165 100
63 0.0 25.5 38.3#
89 0.0 48.5 72.7#
182 0.0 1.9 2.9#

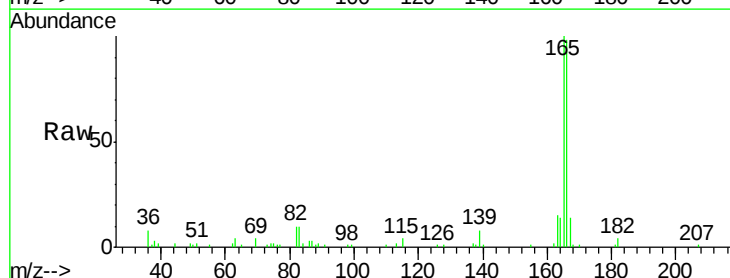


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

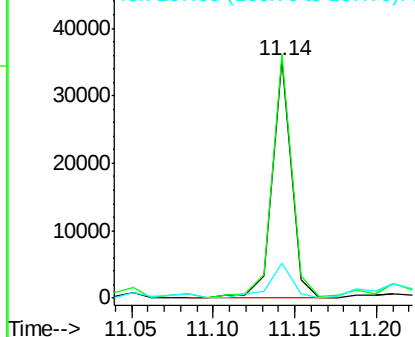
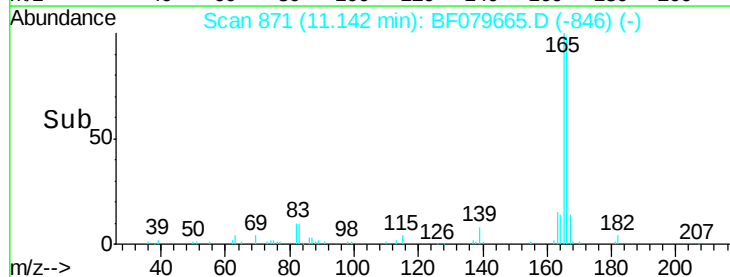


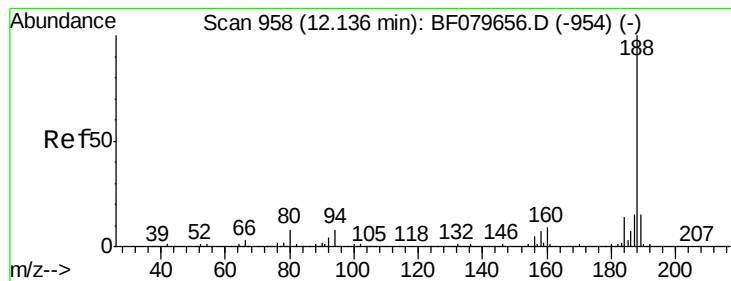
#57
Fluorene
Concen: 2.70 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:166 Resp: 29015
Ion Ratio Lower Upper
166 100
165 102.2 79.8 119.6
167 14.6 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

BNA_F

ClientSampled :

SB-18SDL

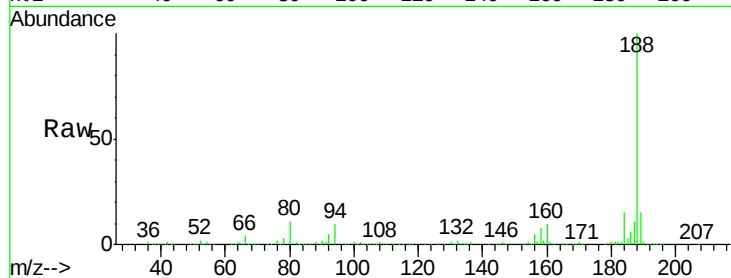
Tot Ion:188 Resp: 323649

Ion Ratio Lower Upper

188 100

94 9.9 6.1 9.1#

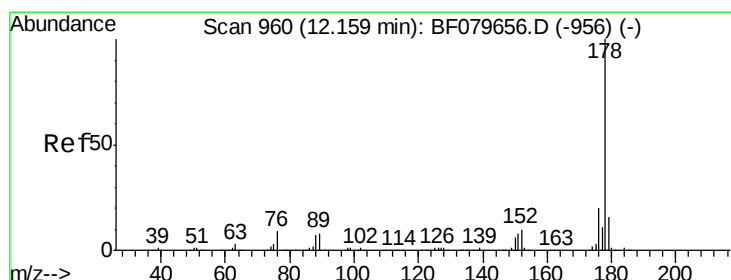
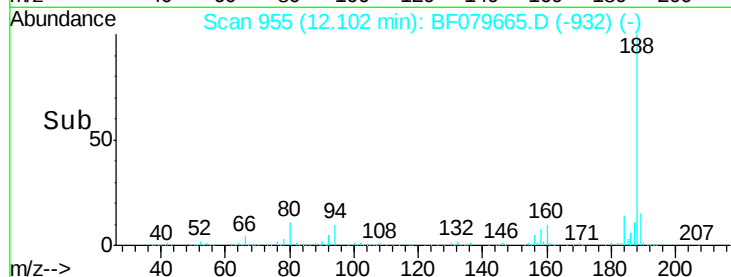
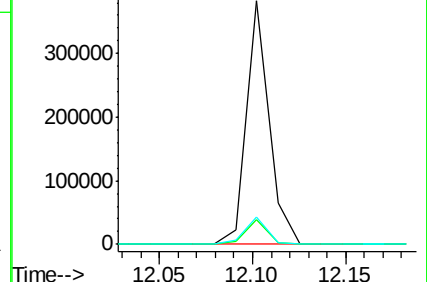
80 11.3 6.2 9.2#



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: 26.46 ng

RT: 12.13 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

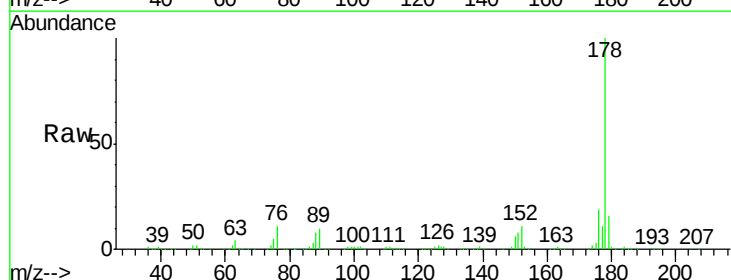
Tgt Ion:178 Resp: 473379

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

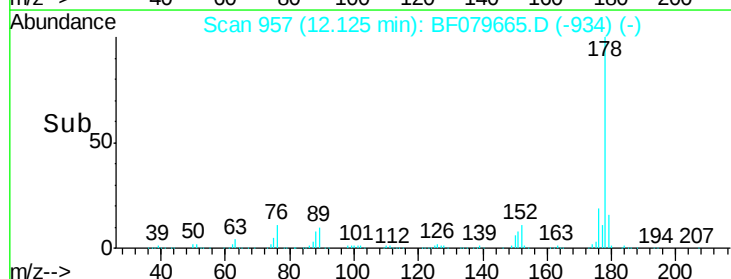
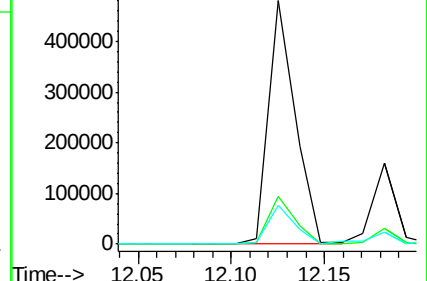
179 16.1 12.7 19.1

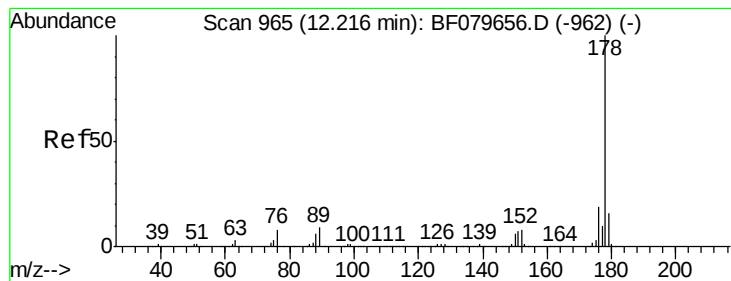


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.43 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

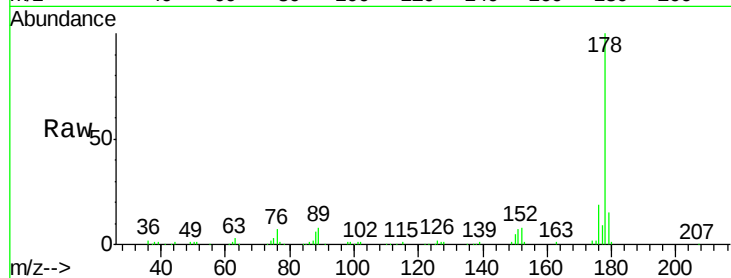
BNA_F

ClientSampleId :

SB-18SDL

Tot Ion:178 Resp: 133812

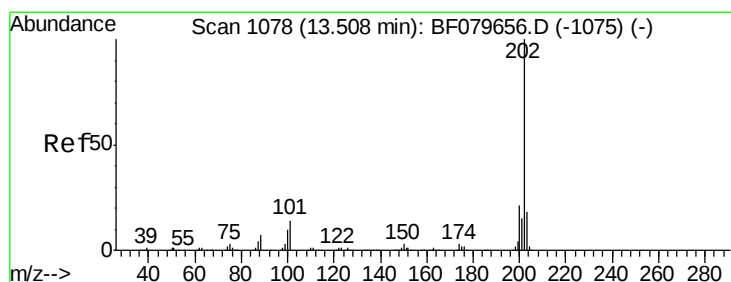
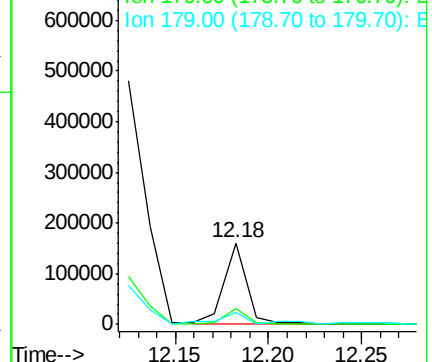
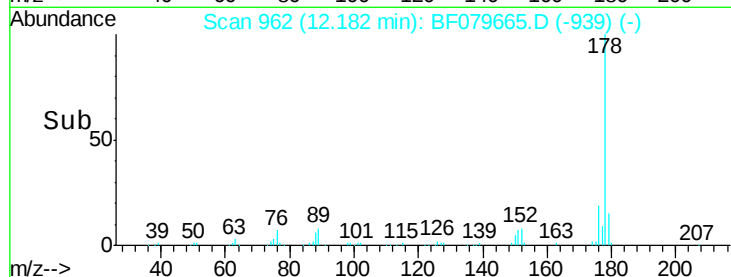
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.0	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 41.64 ng

RT: 13.41 min Scan# 1069

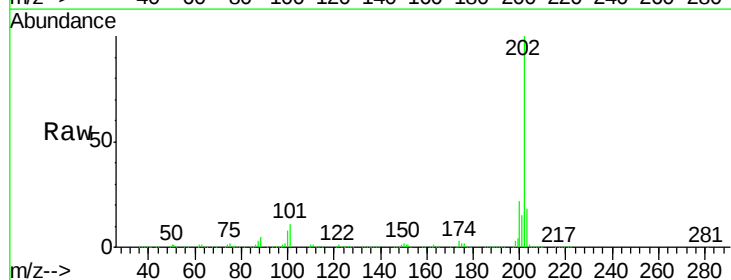
Delta R.T. -0.10 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Tgt Ion:202 Resp: 803343

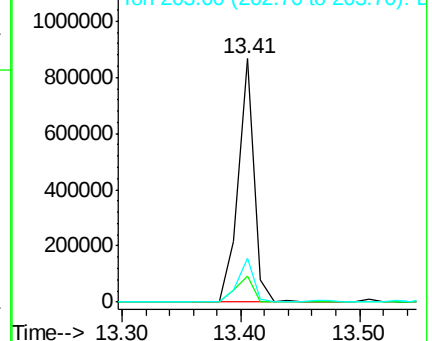
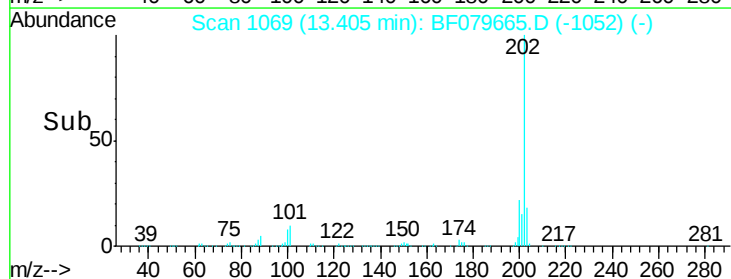
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.0
203	17.9	0.0	37.9

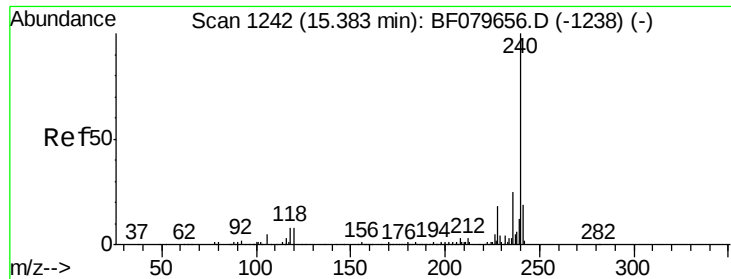


Abundance Ion 202.00 (201.70 to 202.70): E

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: 15.10 min Scan# 1217

Delta R.T. -0.29 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-18SDL

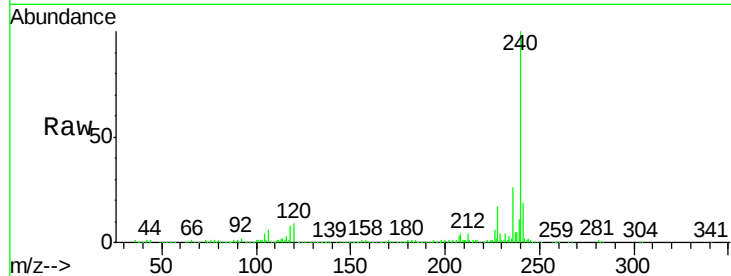
Tot Ion:240 Resp: 314837

Ion Ratio Lower Upper

240 100

120 9.3 6.4 9.6

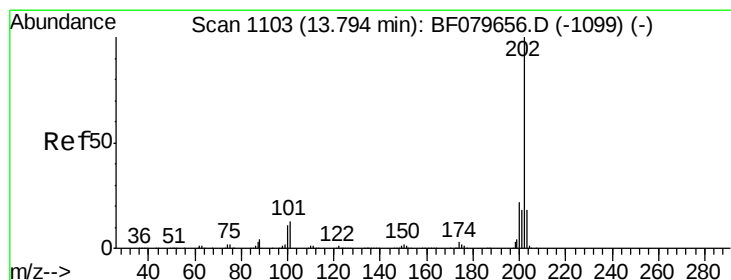
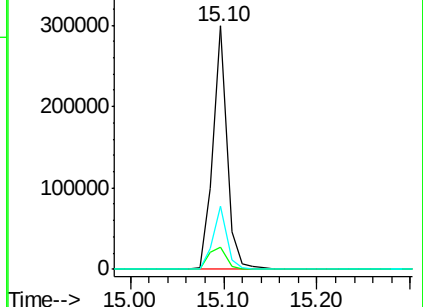
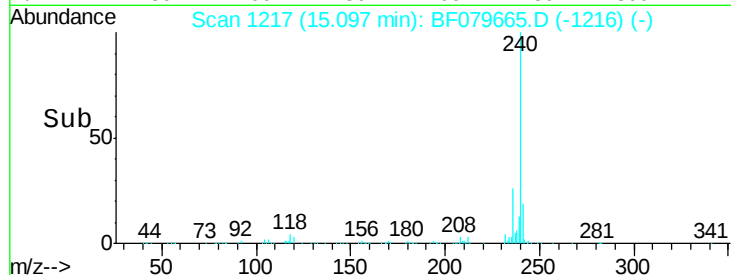
236 25.8 20.2 30.4



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: 43.46 ng

RT: 13.67 min Scan# 1092

Delta R.T. -0.13 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

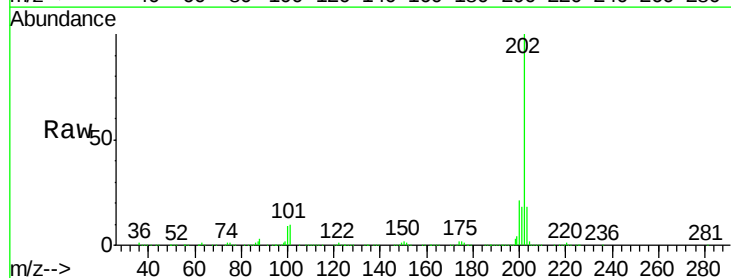
Tgt Ion:202 Resp: 787888

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

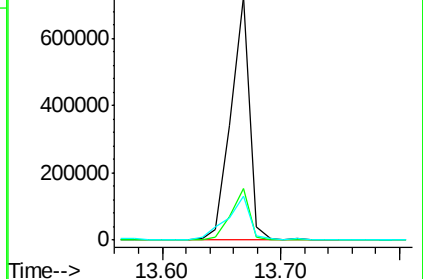
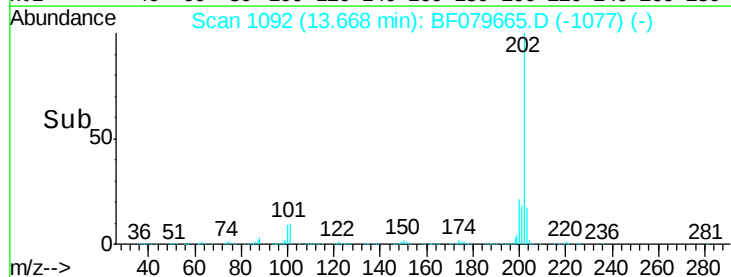
203 17.9 14.5 21.7

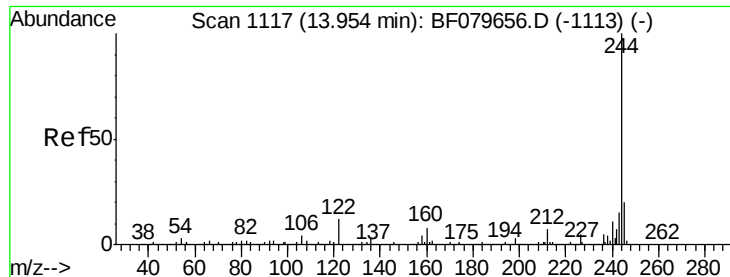


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: -0.32 ng

RT: 13.81 min Scan# 1104

Delta R.T. -0.15 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-18SDL

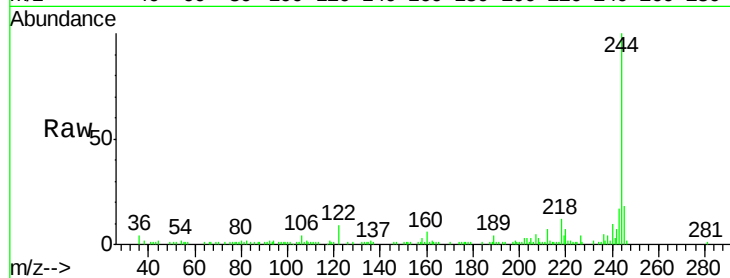
Tot Ion:244 Resp: 55112

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

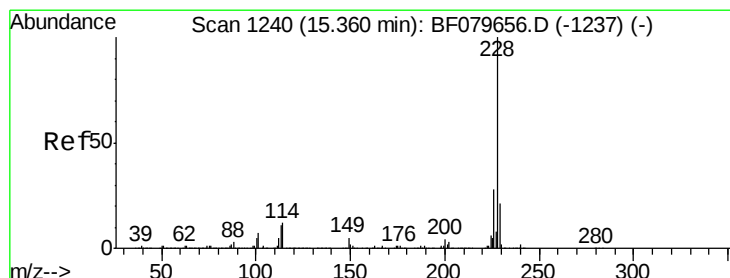
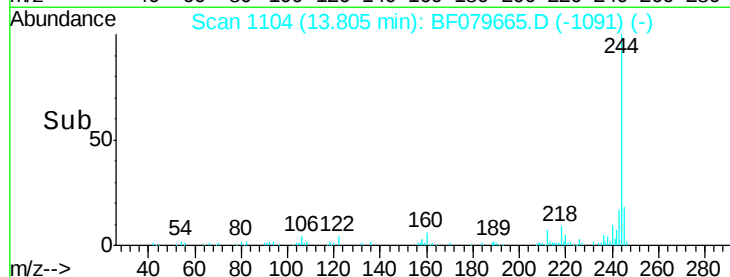
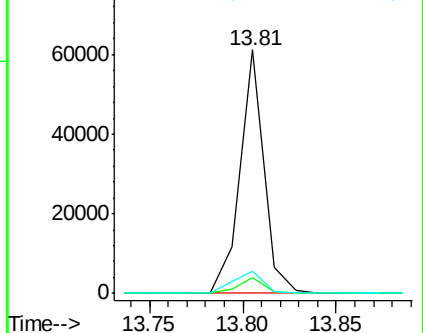
122 8.9 9.8 14.6#



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: 24.84 ng

RT: 15.09 min Scan# 1216

Delta R.T. -0.27 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

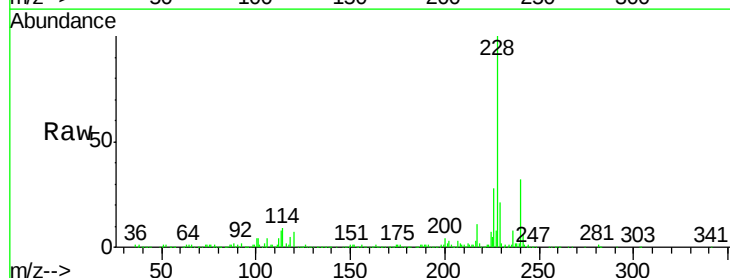
Tgt Ion:228 Resp: 427619

Ion Ratio Lower Upper

228 100

226 27.8 22.5 33.7

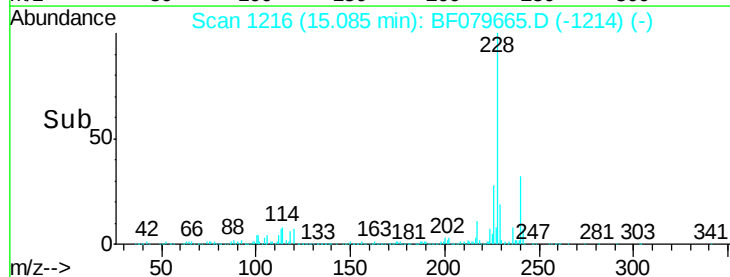
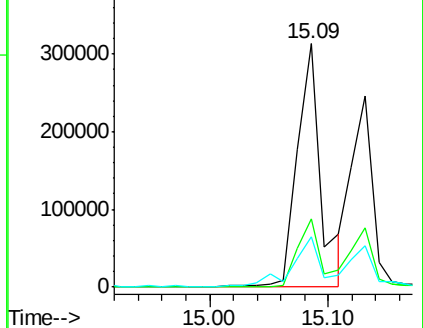
229 20.7 16.6 24.8

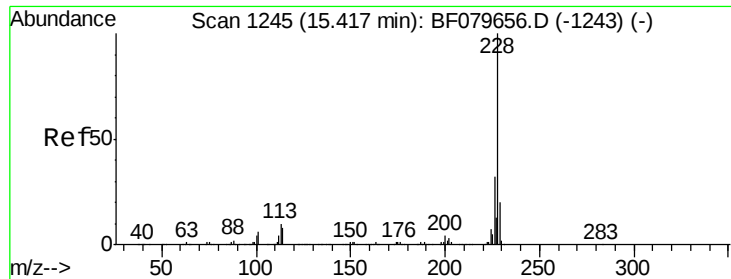


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.58 ng

RT: 15.13 min Scan# 1220

Delta R.T. -0.29 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

Instrument :

BNA_F

ClientSampleId :

SB-18SDL

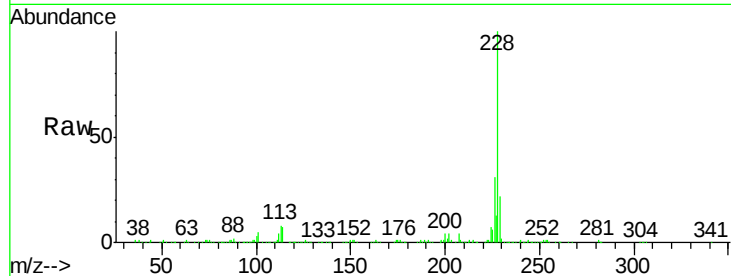
Tot Ion:228 Resp: 304578

Ion Ratio Lower Upper

228 100

226 30.9 25.2 37.8

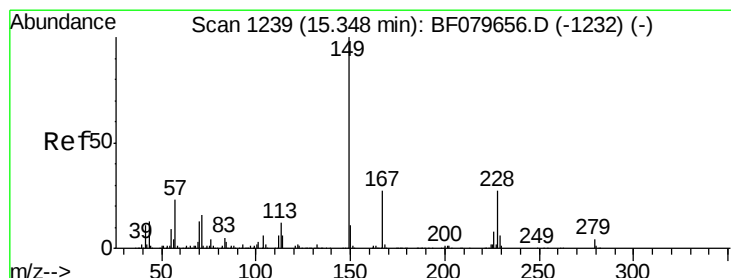
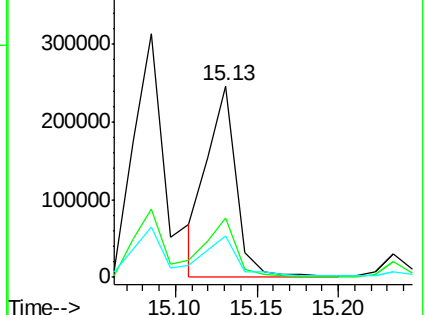
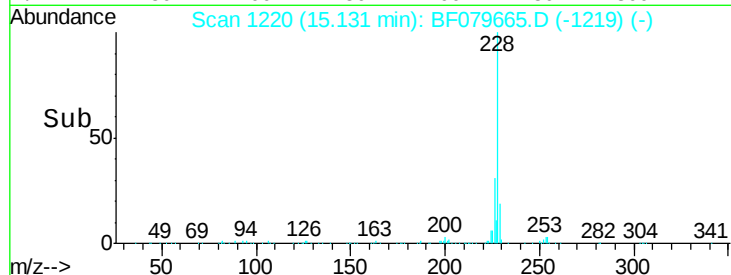
229 21.7 16.3 24.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.37 ng

RT: 15.09 min Scan# 1216

Delta R.T. -0.26 min

Lab File: BF079665.D

Acq: 3 Jun 2015 16:34

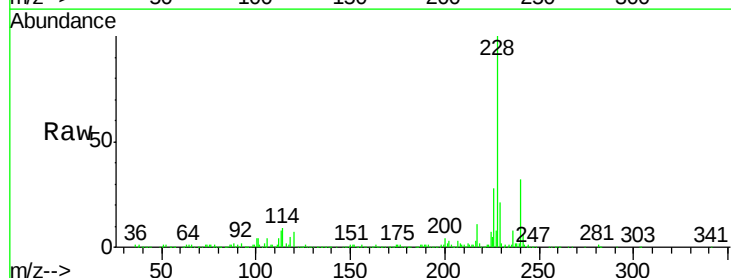
Tgt Ion:149 Resp: 1677

Ion Ratio Lower Upper

149 100

167 24.1 21.6 32.4

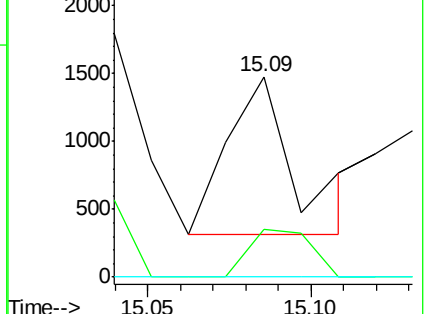
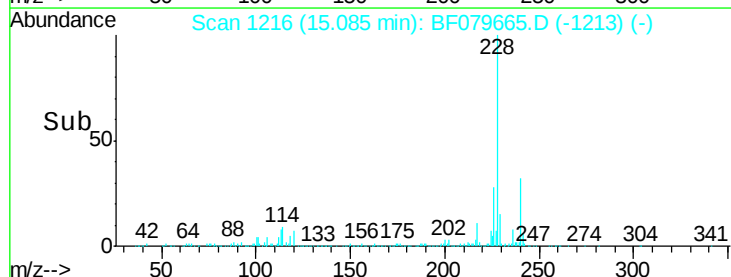
279 0.0 3.1 4.7#

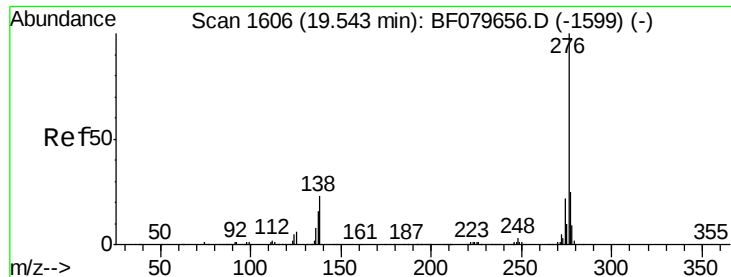


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

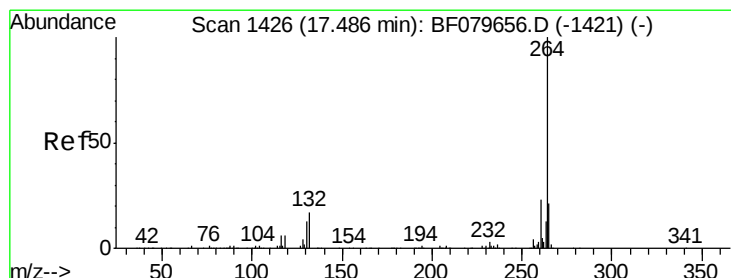
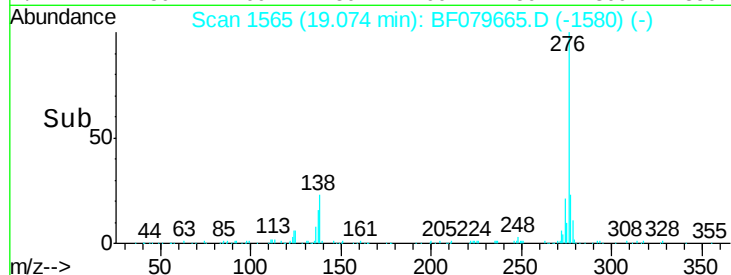
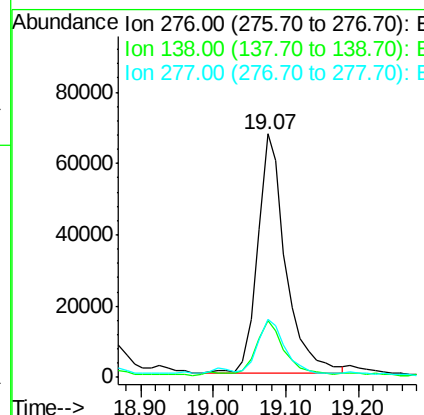
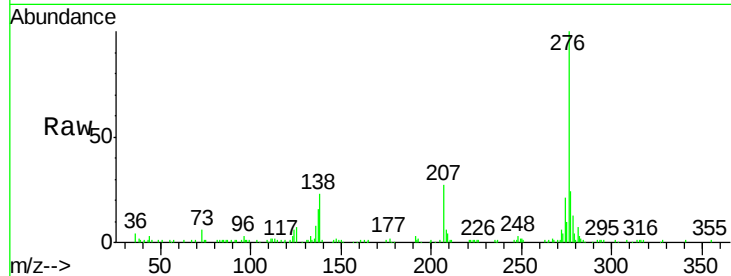




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.76 ng
 RT: 19.07 min Scan# 1565
 Delta R.T. -0.47 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

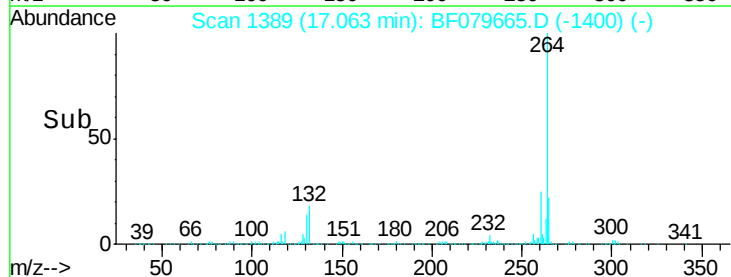
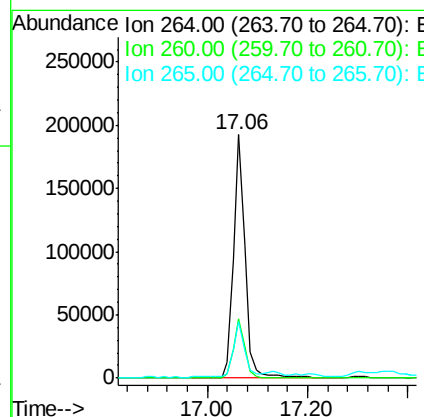
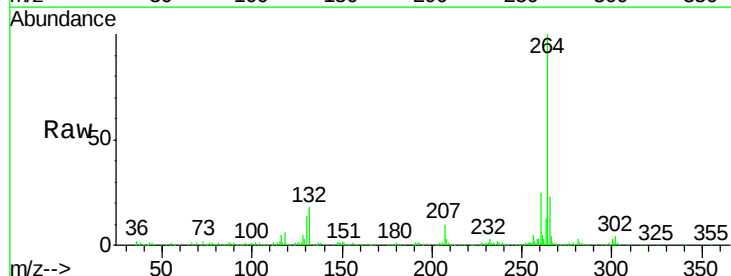
Instrument :
 BNA_F
 ClientSampleId :
 SB-18SDL

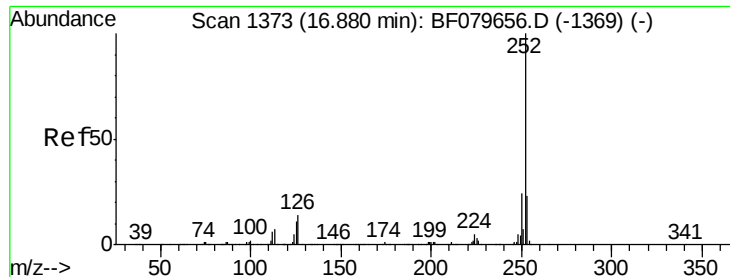
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	21.9	32.9
277	21.7	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.06 min Scan# 1389
 Delta R.T. -0.42 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	23.1	17.4	26.0

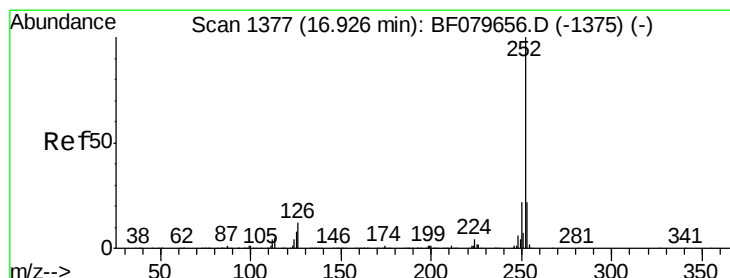
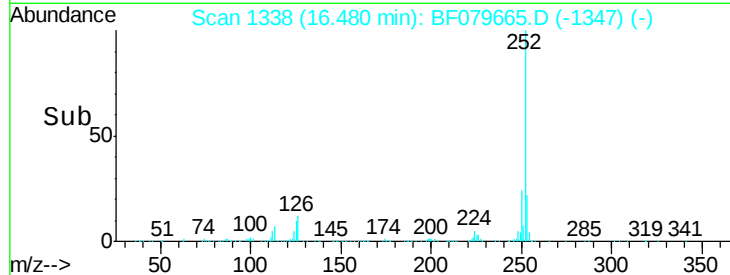
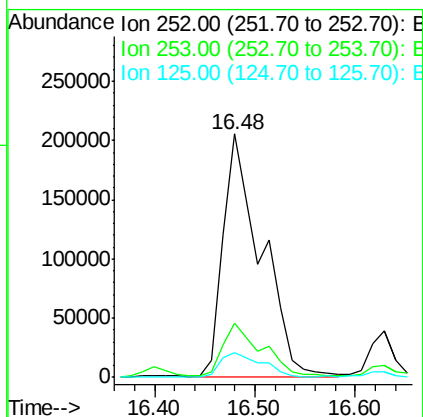
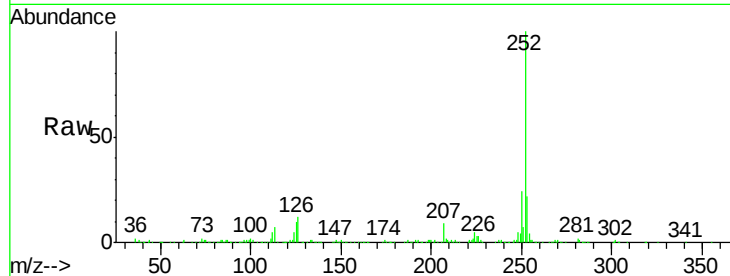




#87
Benzo(b)fluoranthene
Concen: 33.77 ng
RT: 16.48 min Scan# 1338
Delta R.T. -0.40 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

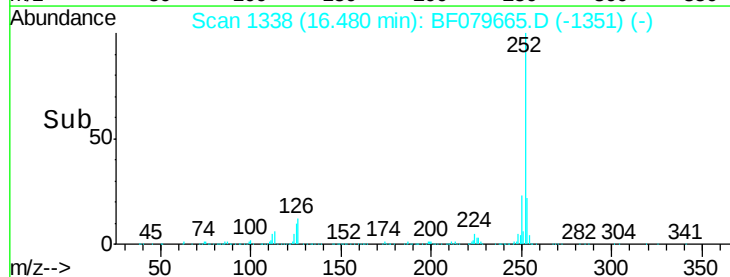
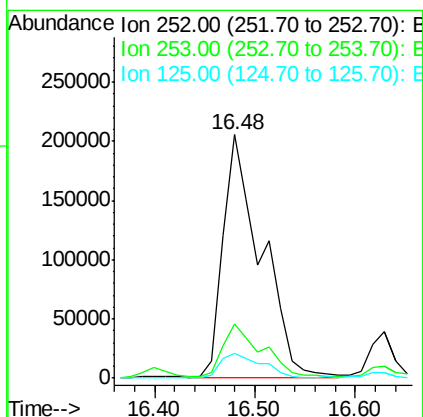
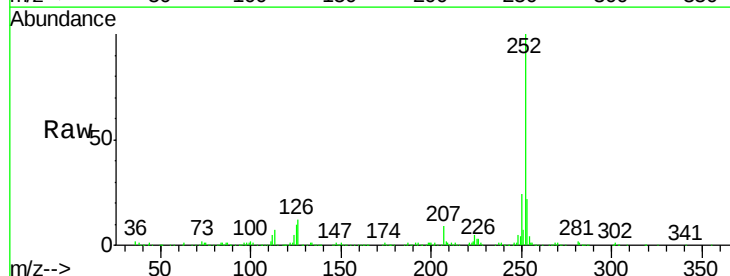
Instrument :
BNA_F
ClientSampleId :
SB-18SDL

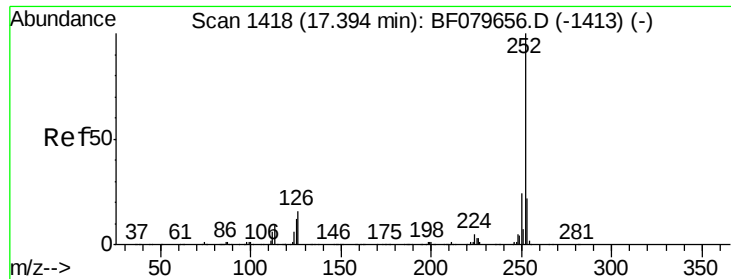
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	10.2	8.7	13.1



#88
Benzo(k)fluoranthene
Concen: 28.82 ng
RT: 16.48 min Scan# 1338
Delta R.T. -0.45 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.2	7.1	10.7

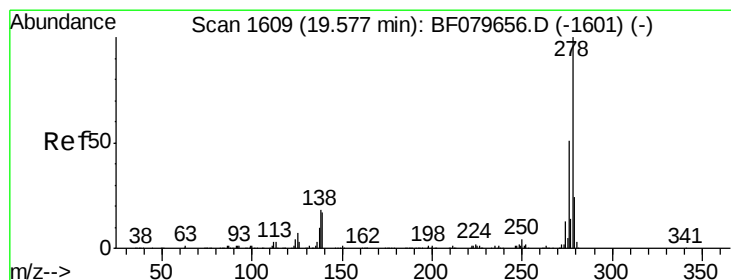
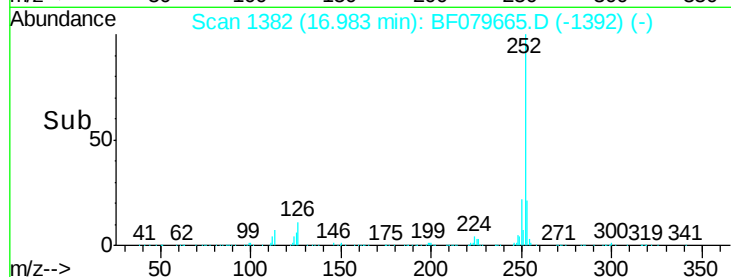
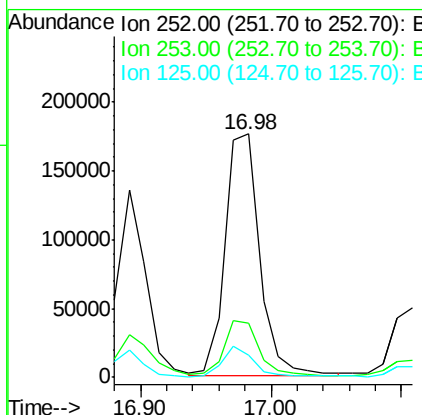
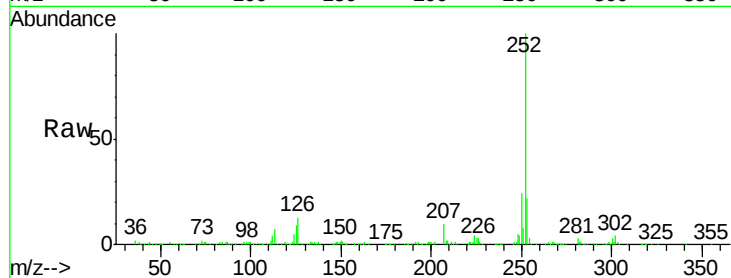




#89
Benzo(a)pyrene
Concen: 20.92 ng
RT: 16.98 min Scan# 1382
Delta R.T. -0.41 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

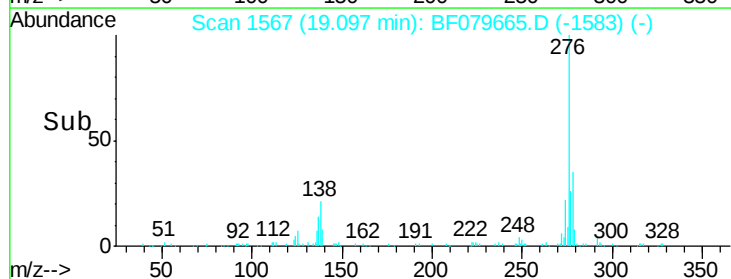
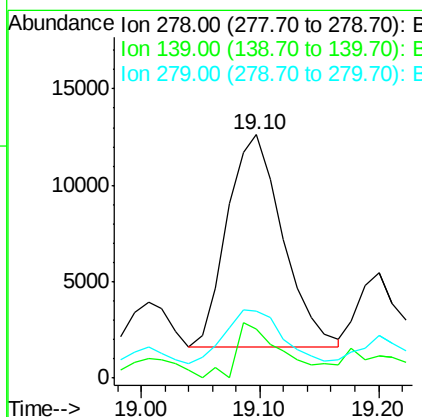
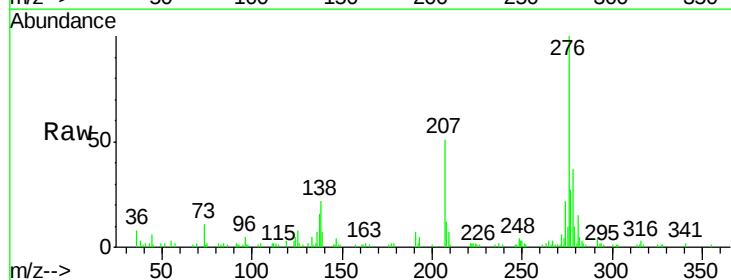
Instrument :
BNA_F
ClientSampleId :
SB-18SDL

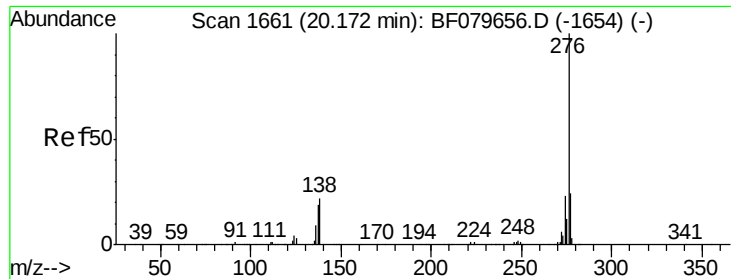
Tot Ion:252 Resp: 326550
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 9.1 9.4 14.0#



#90
Dibenzo(a,h)anthracene
Concen: 2.45 ng
RT: 19.10 min Scan# 1567
Delta R.T. -0.48 min
Lab File: BF079665.D
Acq: 3 Jun 2015 16:34

Tgt Ion:278 Resp: 35770
Ion Ratio Lower Upper
278 100
139 20.1 13.7 20.5
279 27.3 19.6 29.4

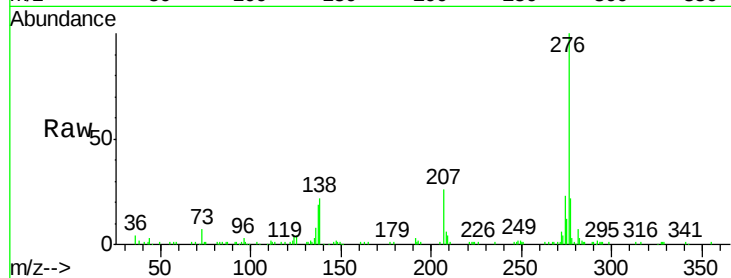




#91
 Benzo(a,h,i)perylene
 Concen: 12.41 ng
 RT: 19.69 min Scan# 1619
 Delta R.T. -0.48 min
 Lab File: BF079665.D
 Acq: 3 Jun 2015 16:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-18SDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.1	28.7
138	22.1	17.4	26.0



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

