

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082614.D
 Acq On : 31 Oct 2015 11:42
 Operator : UM/IZ
 Sample : G4178-01RE
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1-BOILERROOM2.5FTDEEP

Quant Time: Nov 02 00:28:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.07	152	966224	20.00	ng	0.16
21) Naphthalene-d8	8.19	136	857817	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	442201	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	718425	20.00	ng	0.00
75) Chrysene-d12	14.09	240	461155	20.00	ng	0.01
86) Perylene-d12	15.55	264	494746	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	2145812	33.45	ng	0.02
7) Phenol-d6	6.54	99	2891354	33.93	ng	0.01
23) Nitrobenzene-d5	7.47	82	1888321	89.89	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	567122	117.19	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	2701279	86.73	ng	0.00
78) Terphenyl-d14	13.03	244	2116641	100.45	ng	0.00

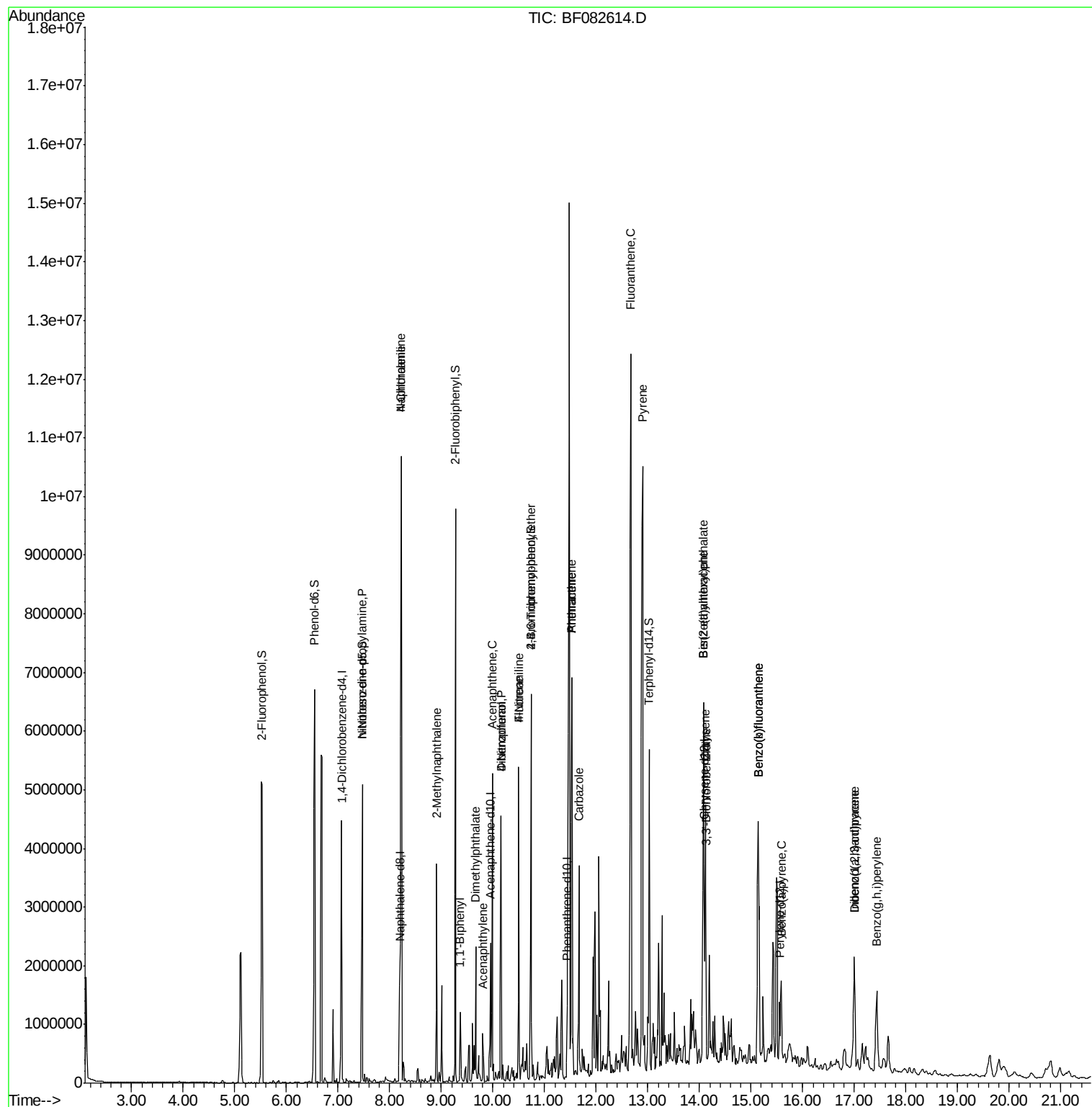
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	277437	4.29	ng	# 72
31) Naphthalene	8.22	128	4974684	107.17	ng	# 91
33) 4-Chloroaniline	8.22	127	831267	41.95	ng	# 29
37) 2-Methylnaphthalene	8.91	142	962624	32.00	ng	98
45) 1,1'-Biphenyl	9.37	154	304905	8.16	ng	96
48) Acenaphthylene	9.80	152	332528	7.13	ng	99
49) Dimethylphthalate	9.66	163	736971	20.41	ng	98
51) Acenaphthene	9.98	154	1045386	35.30	ng	99
54) Dibenzofuran	10.16	168	1532657	38.14	ng	96
55) 4-Nitrophenol	10.16	139	679486	108.44	ng	# 2
57) Fluorene	10.50	166	1360369	41.97	ng	99
61) 4-Nitroaniline	10.50	138	17373	2.19	ng	# 7
66) 4-Bromophenyl-phenylether	10.74	248	40883	5.02	ng	# 1
70) Phenanthrene	11.53	178	3209639	79.21	ng	98
71) Anthracene	11.53	178	3209639	78.67	ng	97
72) Carbazole	11.66	167	1243183	34.98	ng	99
74) Fluoranthene	12.67	202	6536697	157.80	ng	86
77) Pyrene	12.90	202	5744790	168.23	ng	# 91
80) Benzo(a)anthracene	14.08	228	3016647	102.98	ng	96
81) 3,3'-Dichlorobenzidine	14.12	252	20953	2.08	ng	# 5
82) Chrysene	14.11	228	1920264	72.32	ng	96
83) Bis(2-ethylhexyl)phthalate	14.08	149	44978	2.32	ng	# 93
85) Indeno(1,2,3-cd)pyrene	17.00	276	1532972	69.96	ng	94
87) Benzo(b)fluoranthene	15.14	252	3791837	111.15	ng	# 96
88) Benzo(k)fluoranthene	15.14	252	3791837	145.89	ng	# 95
89) Benzo(a)pyrene	15.59	252	668074	24.87	ng	97
90) Dibenzo(a,h)anthracene	17.00	278	354555	14.14	ng	95
91) Benzo(g,h,i)perylene	17.44	276	1402810	57.74	ng	99

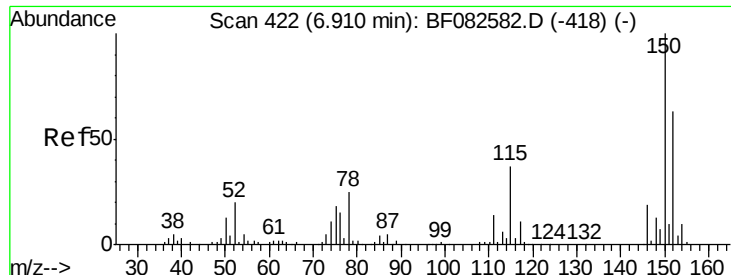
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082614.D
Acq On : 31 Oct 2015 11:42
Operator : UM/IZ
Sample : G4178-01RE
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Quant Time: Nov 02 00:28:10 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 31 00:17:39 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.07 min Scan# 436

Delta R.T. 0.16 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

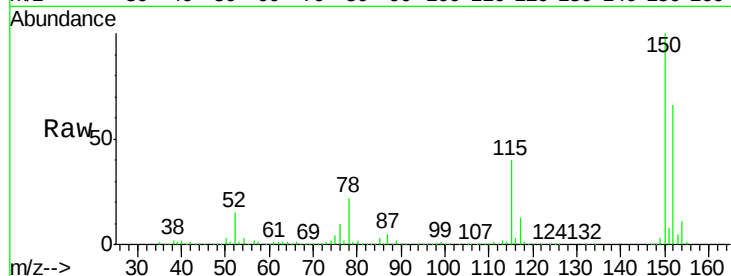
Tgt Ion:152 Resp: 966224

Ion Ratio Lower Upper

152 100

150 151.4 127.0 190.4

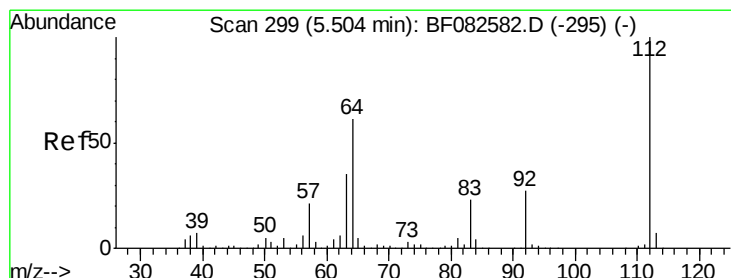
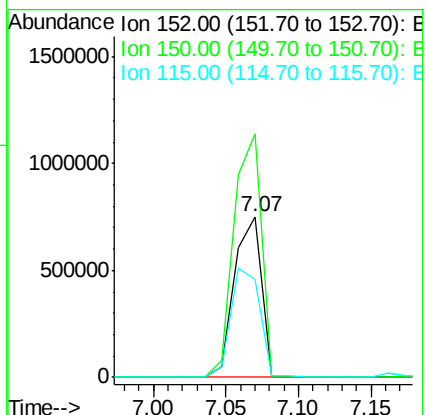
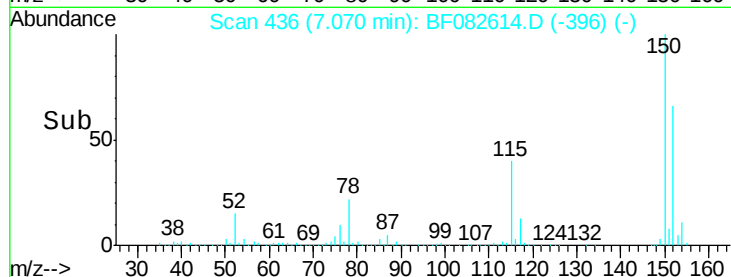
115 60.5 47.0 70.6



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: 33.45 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.02 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

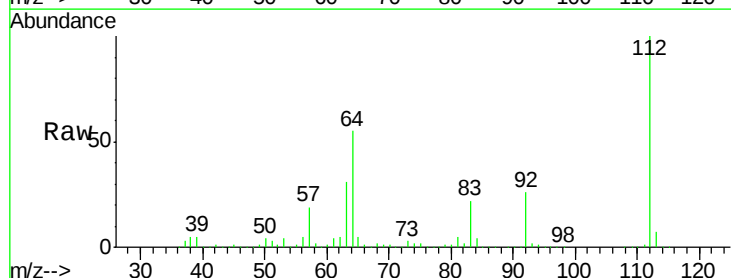
Tgt Ion:112 Resp: 2145812

Ion Ratio Lower Upper

112 100

64 55.0 48.9 73.3

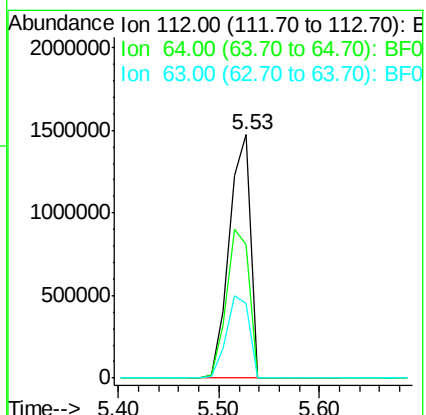
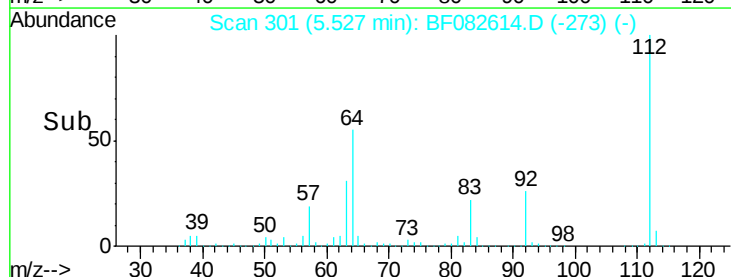
63 30.7 28.1 42.1

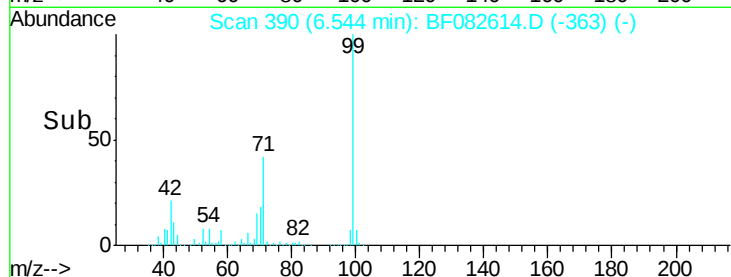
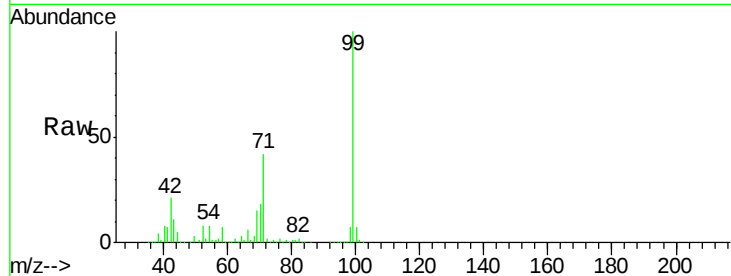
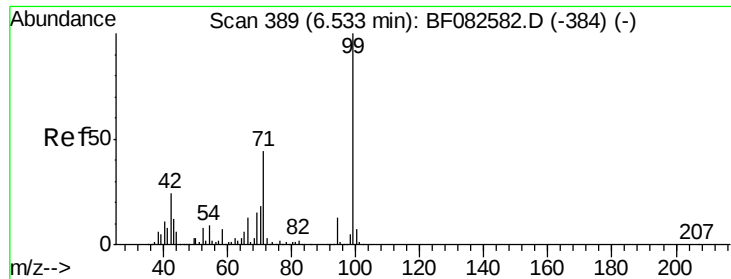


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 33.93 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

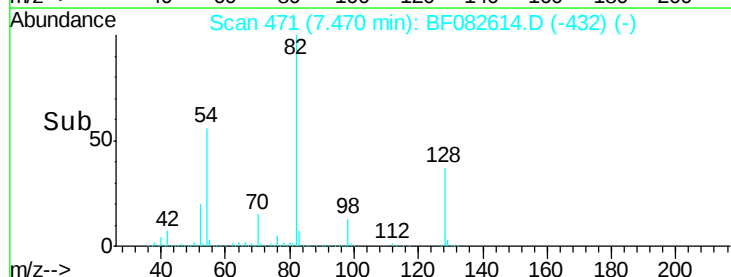
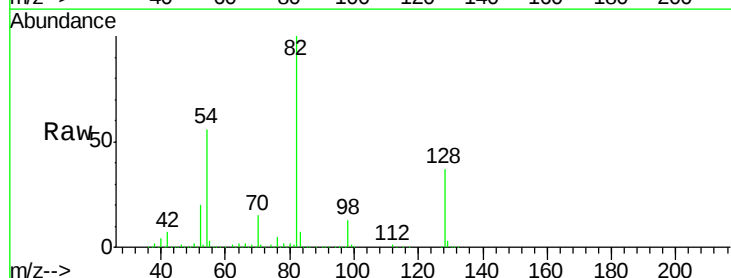
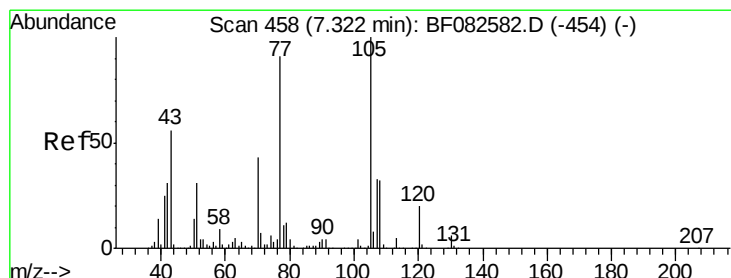
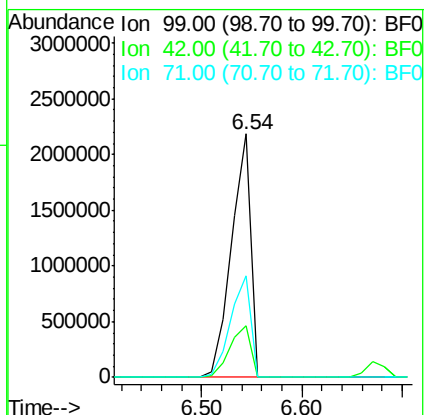
Tgt Ion: 99 Resp: 2891354

Ion Ratio Lower Upper

99 100

42 21.2 19.2 28.8

71 41.8 35.0 52.4



#19

n-Nitroso-di-n-propylamine

Concen: 4.29 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.15 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Tgt Ion: 70 Resp: 277437

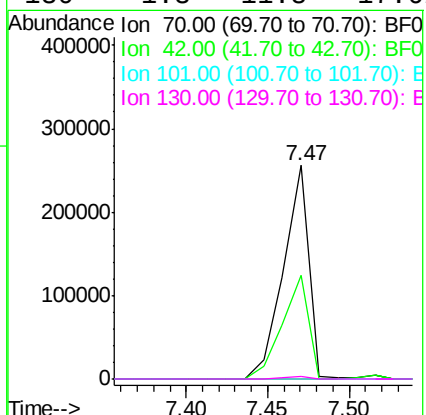
Ion Ratio Lower Upper

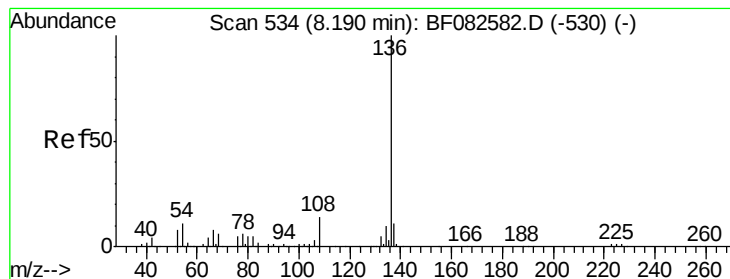
70 100

42 48.7 57.7 86.5#

101 0.0 7.0 10.6#

130 1.3 11.8 17.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

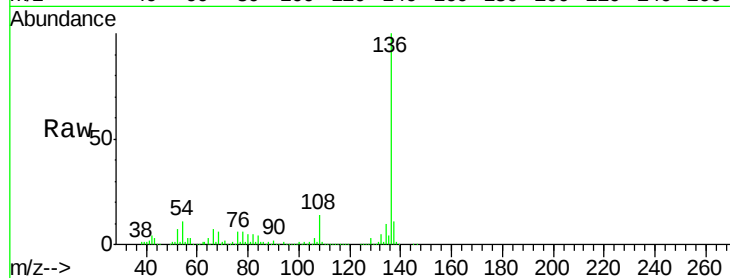
Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

Tgt Ion:	136	Resp:	857817
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	10.8	9.1	13.7
68	6.0	4.8	7.2

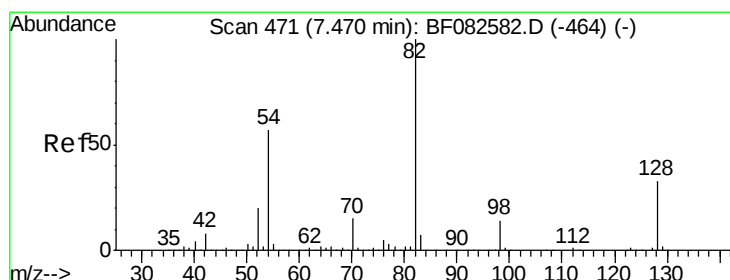
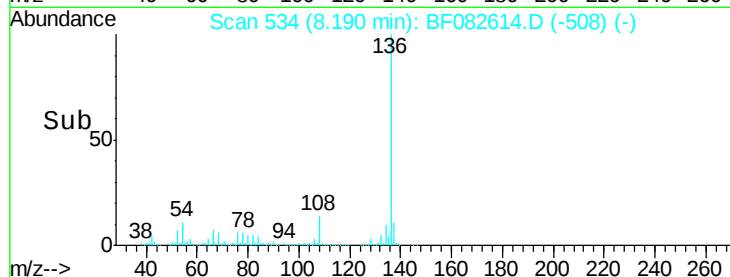
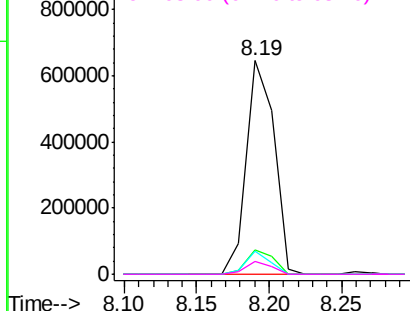


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.89 ng

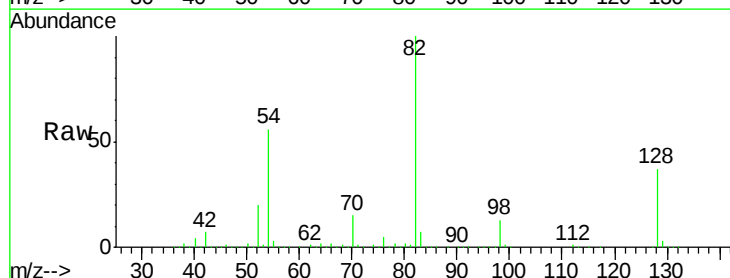
RT: 7.47 min Scan# 471

Delta R.T. -0.00 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

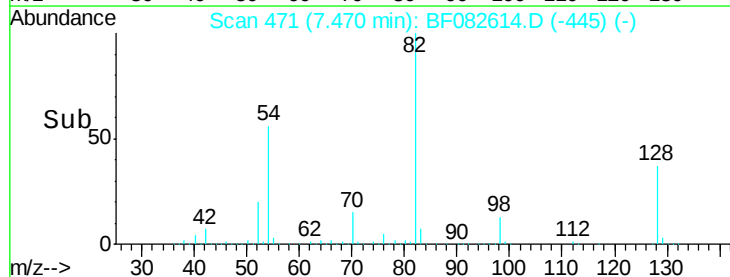
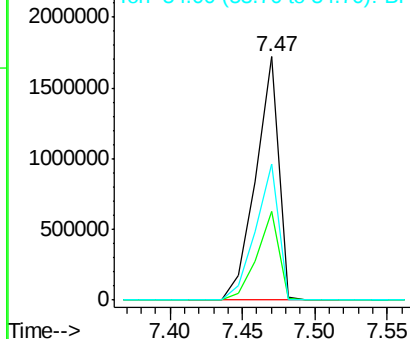
Tgt Ion:	82	Resp:	1888321
Ion	Ratio	Lower	Upper
82	100		
128	36.5	26.8	40.2
54	55.8	45.7	68.5

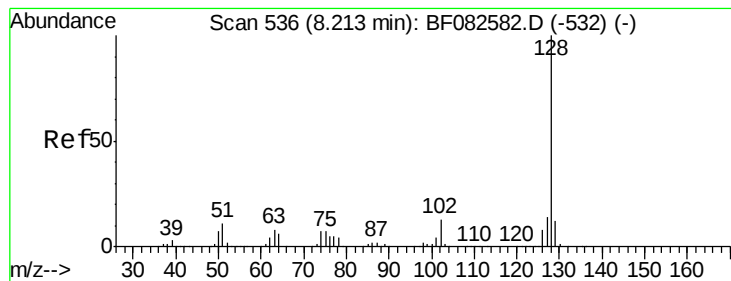


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 107.17 ng

RT: 8.22 min Scan# 537

Delta R.T. 0.01 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

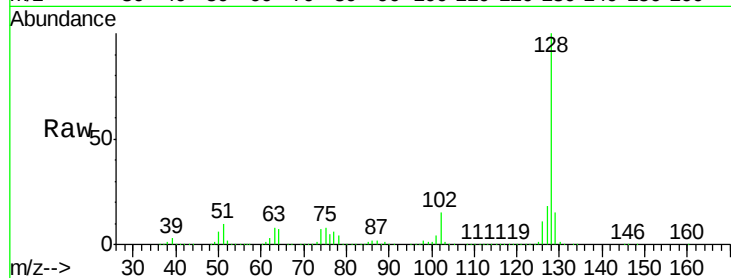
Tgt Ion:128 Resp: 4974684

Ion Ratio Lower Upper

128 100

129 15.0 9.5 14.3#

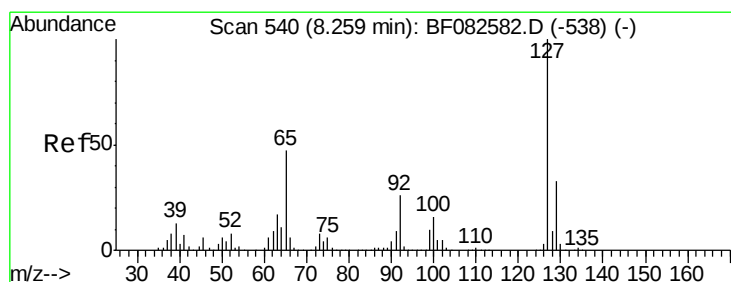
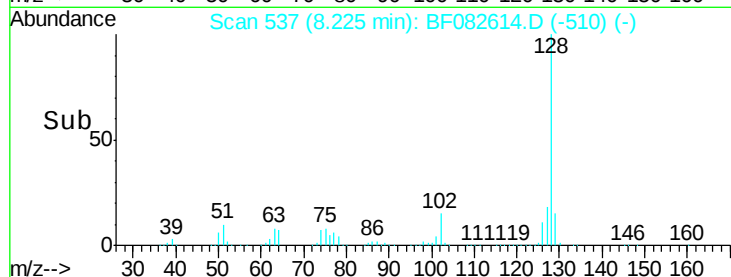
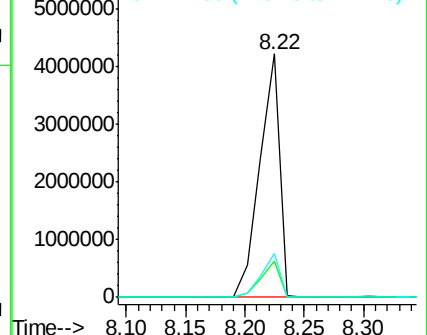
127 18.2 11.4 17.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 41.95 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Tgt Ion:127 Resp: 831267

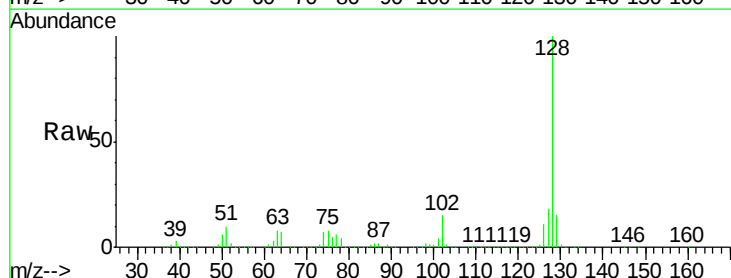
Ion Ratio Lower Upper

127 100

129 82.8 26.3 39.5#

65 0.0 37.8 56.8#

92 0.0 20.6 31.0#

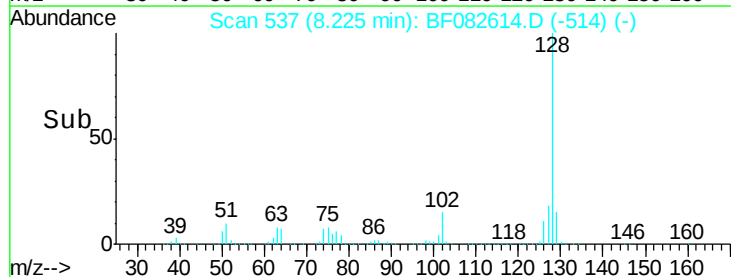
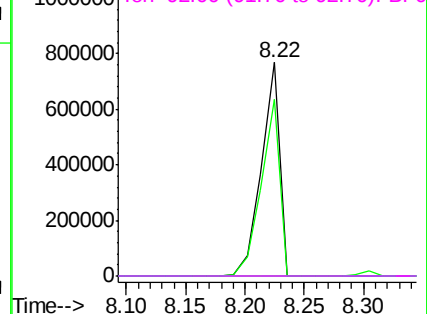


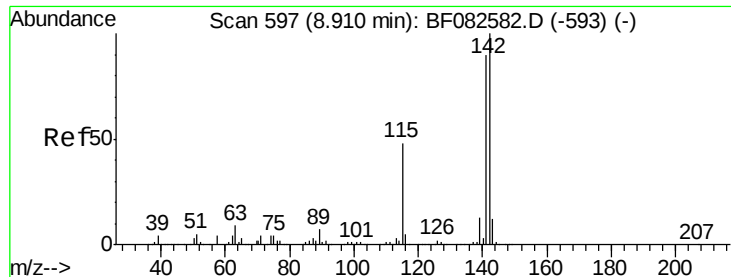
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

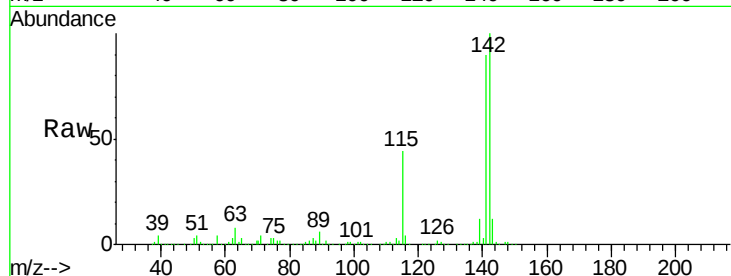




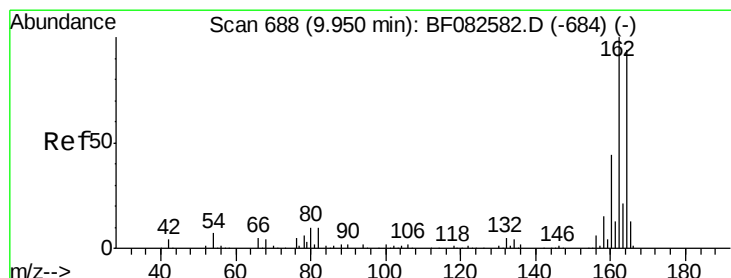
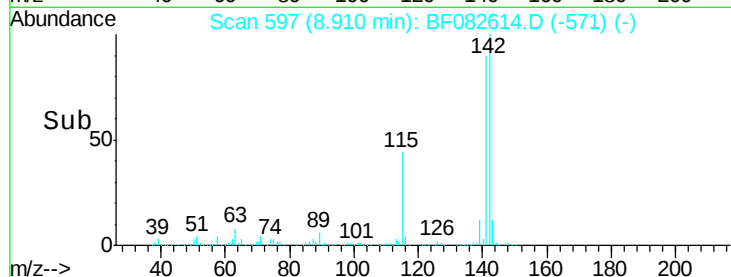
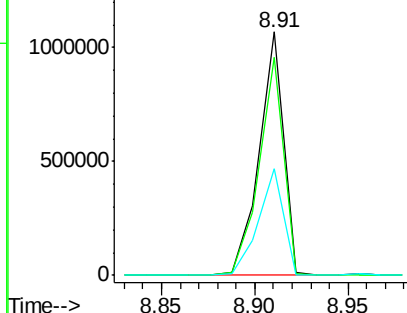
#37
2-Methylnaphthalene
Concen: 32.00 ng
RT: 8.91 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:142 Resp: 962624
Ion Ratio Lower Upper
142 100
141 89.8 72.3 108.5
115 43.9 38.1 57.1

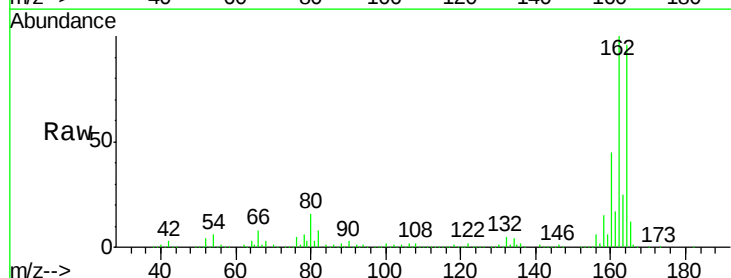


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

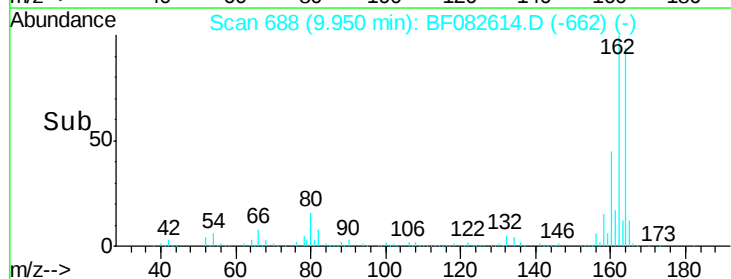
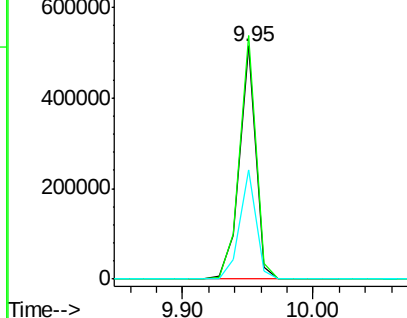


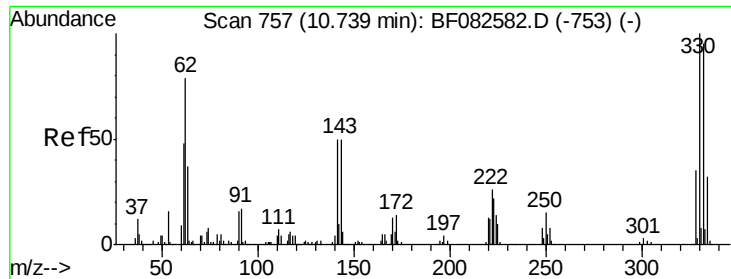
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF082614.D
Acq: 31 Oct 2015 11:42

Tgt Ion:164 Resp: 442201
Ion Ratio Lower Upper
164 100
162 104.6 84.9 127.3
160 46.7 37.5 56.3



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

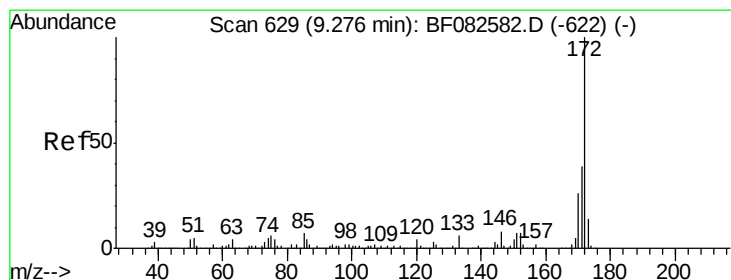
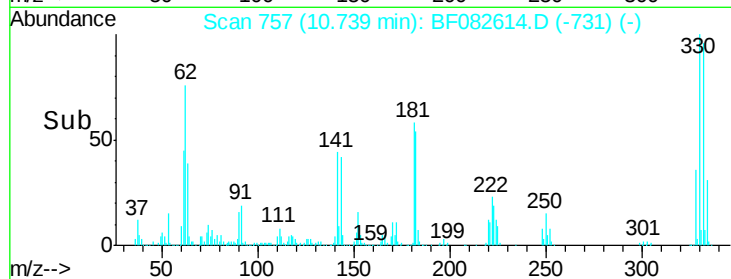
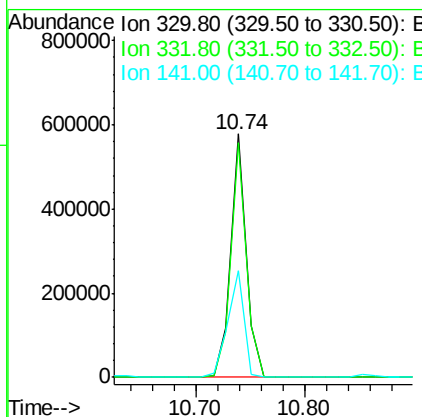
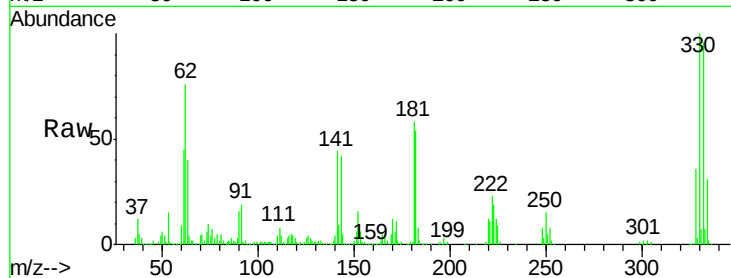




#41
 2,4,6-Tribromophenol
 Concen: 117.19 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

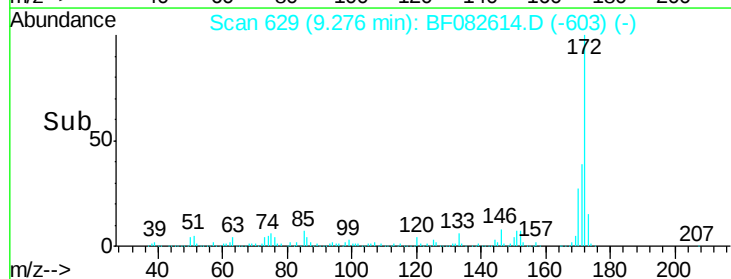
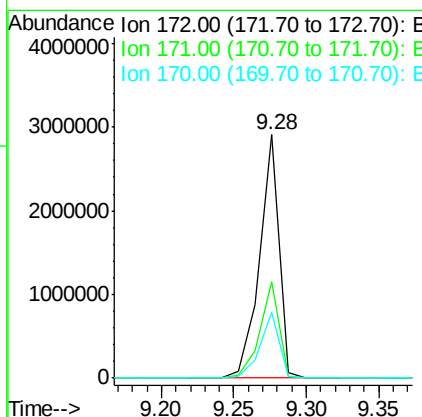
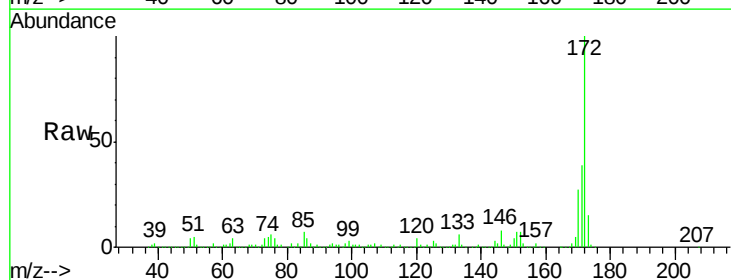
Instrument :
 BNA_F
 ClientSampleId :
 S1-BOILERROOM2.5FTDEEP

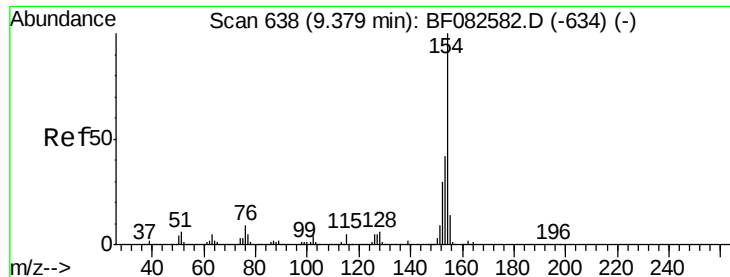
Tgt Ion:330 Resp: 567122
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 45.6 41.2 61.8



#44
 2-Fluorobiphenyl
 Concen: 86.73 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

Tgt Ion:172 Resp: 2701279
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.8 46.2
 170 27.1 21.2 31.8

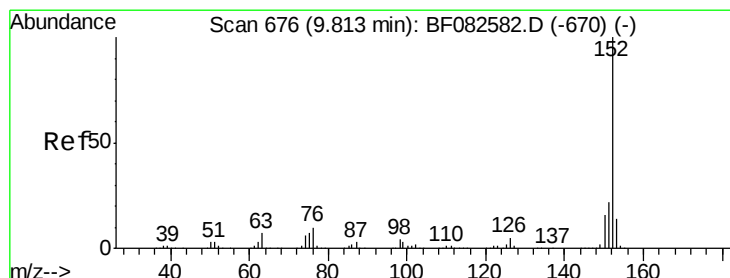
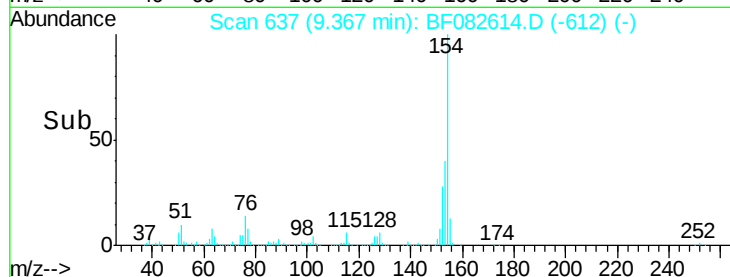
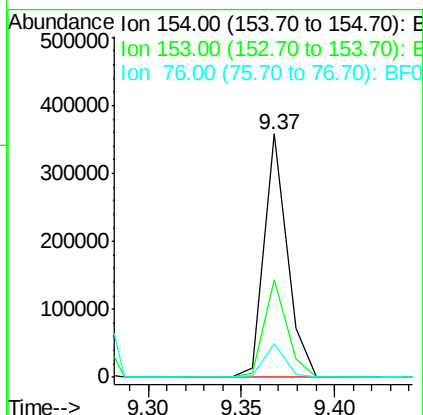
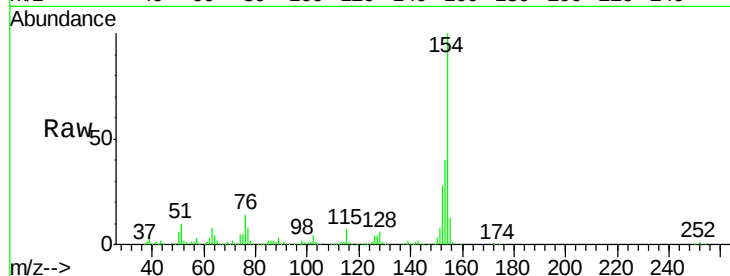




#45
 1,1'-Biphenyl
 Concen: 8.16 ng
 RT: 9.37 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

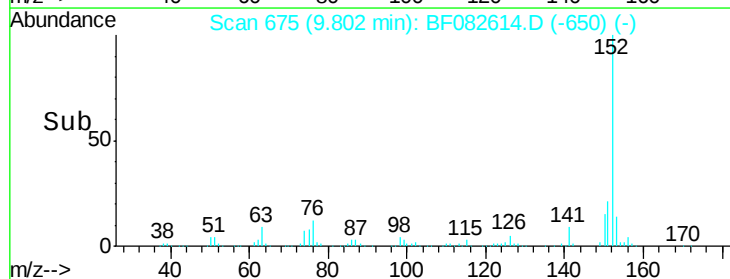
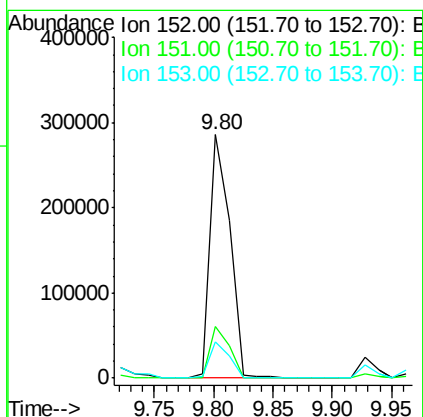
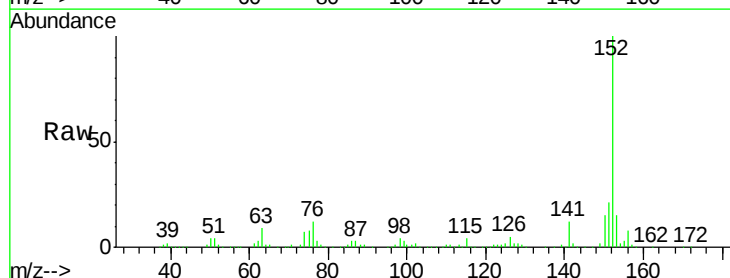
Instrument :
 BNA_F
 ClientSampleId :
 S1-BOILERROOM2.5FTDEEP

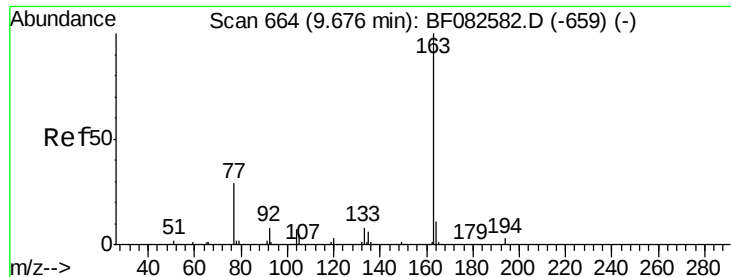
Tgt Ion:	154	Resp:	304905
Ion Ratio	Lower	Upper	
154	100		
153	40.3	22.0	62.0
76	13.6	0.0	29.0



#48
 Acenaphthylene
 Concen: 7.13 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

Tgt Ion:	152	Resp:	332528
Ion Ratio	Lower	Upper	
152	100		
151	21.2	17.3	25.9
153	14.7	11.3	16.9





#49

Dimethylphthalate

Concen: 20.41 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

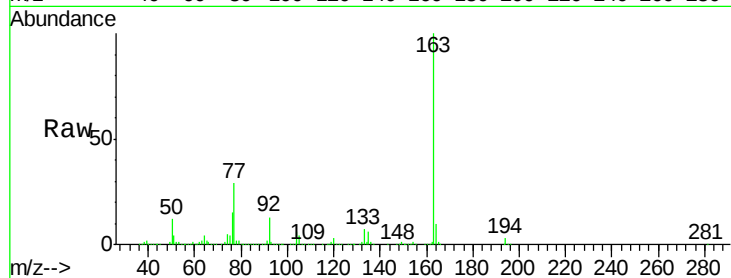
Tgt Ion:163 Resp: 736971

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

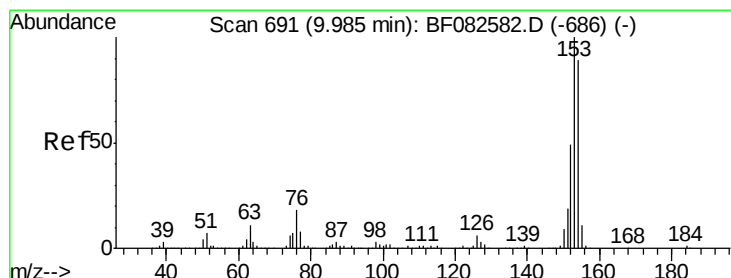
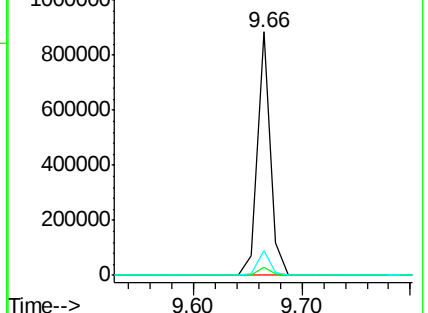
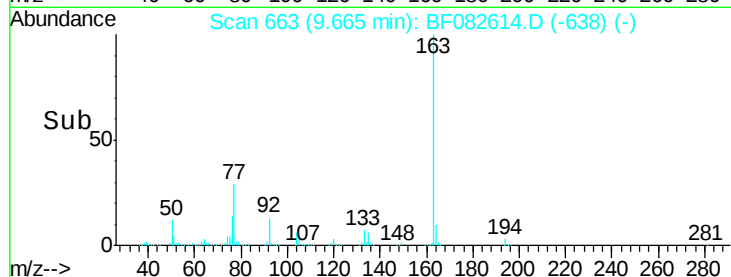
164 10.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 35.30 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

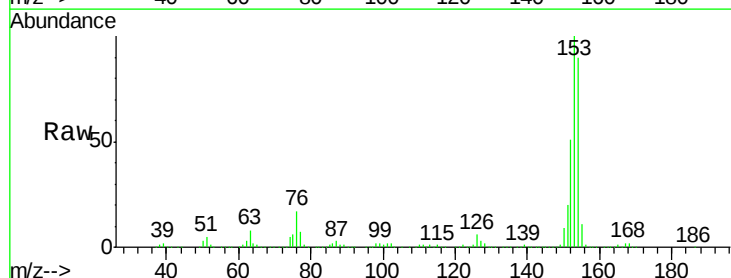
Tgt Ion:154 Resp: 1045386

Ion Ratio Lower Upper

154 100

153 111.4 90.1 135.1

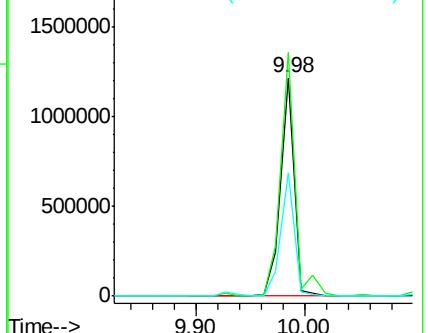
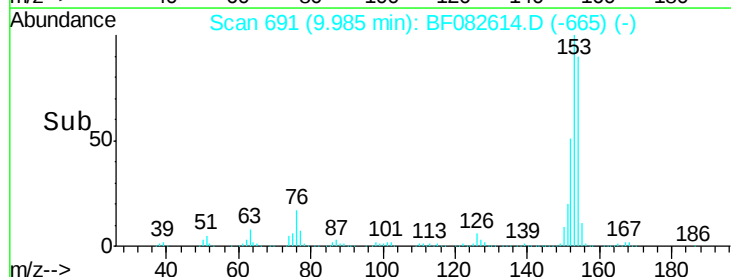
152 56.4 44.3 66.5

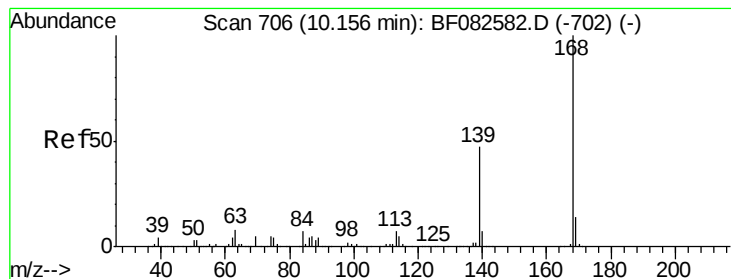


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzo(furan)

Concen: 38.14 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.00 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

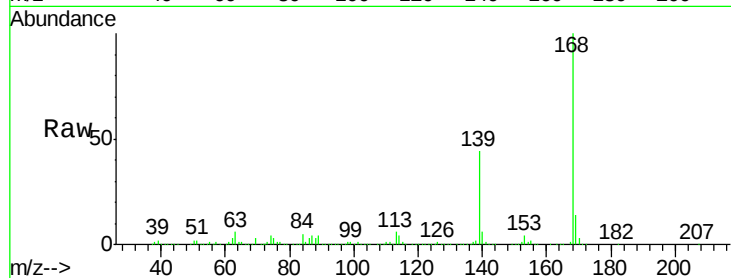
Tgt Ion:168 Resp: 1532657

Ion Ratio Lower Upper

168 100

139 44.0 37.8 56.6

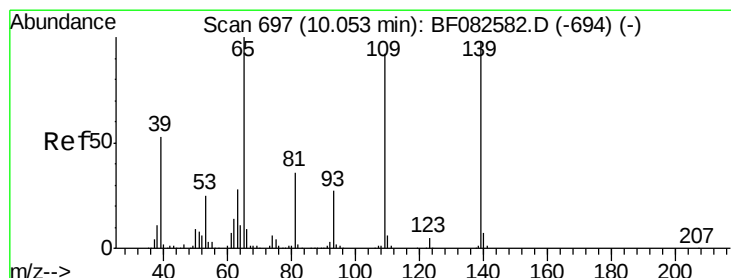
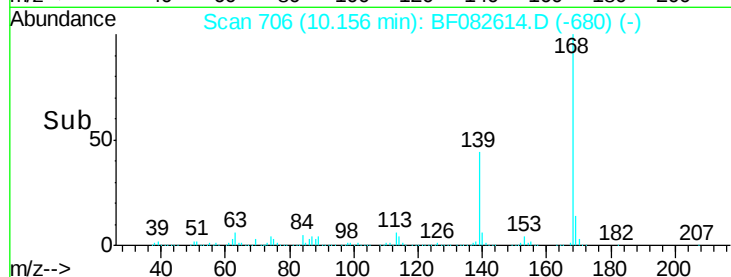
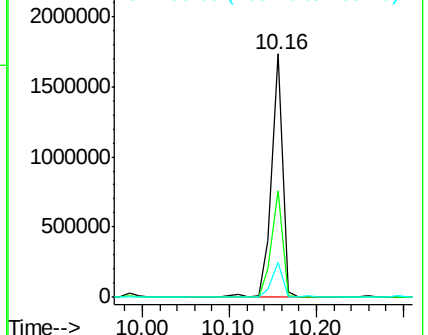
169 14.5 11.3 16.9



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: 108.44 ng

RT: 10.16 min Scan# 706

Delta R.T. 0.10 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

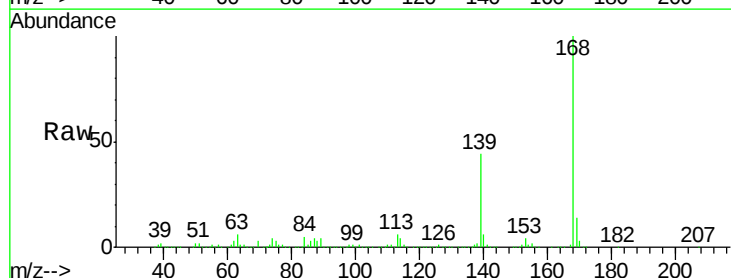
Tgt Ion:139 Resp: 679486

Ion Ratio Lower Upper

139 100

109 0.9 73.7 113.7#

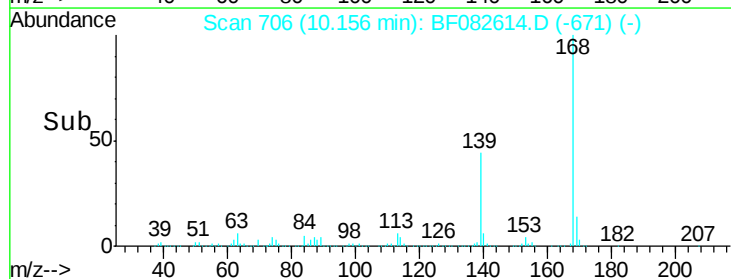
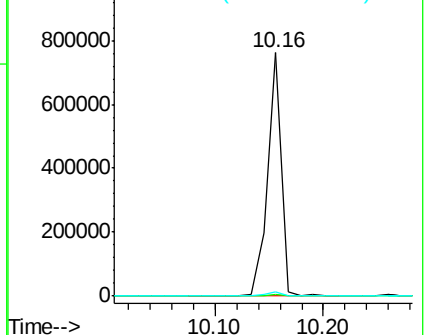
65 1.7 82.9 122.9#

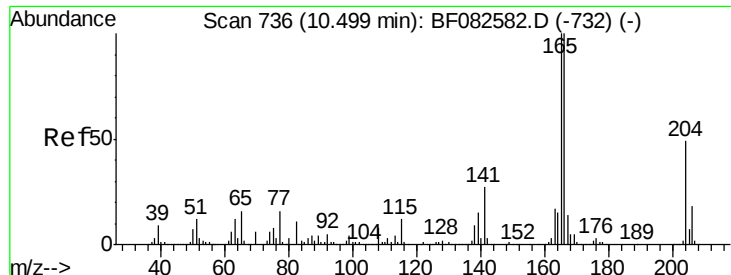


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

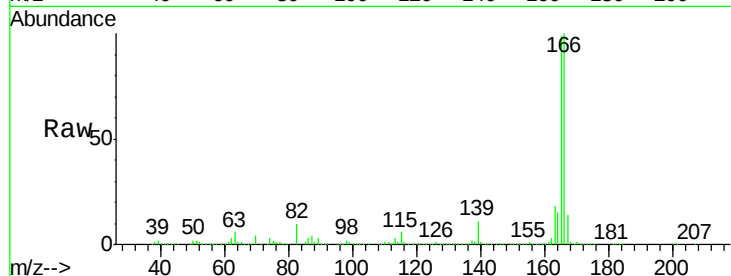




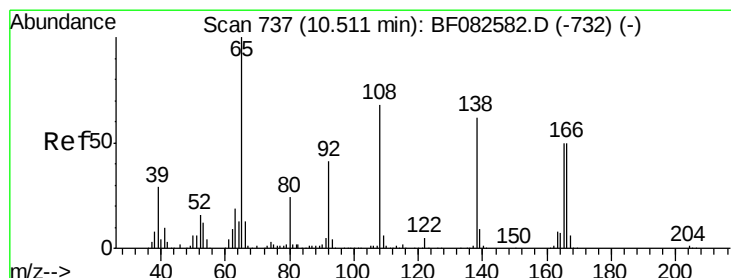
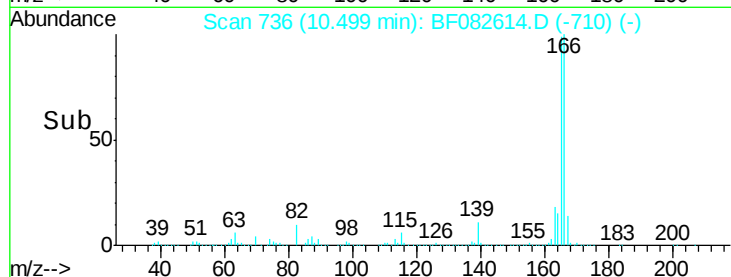
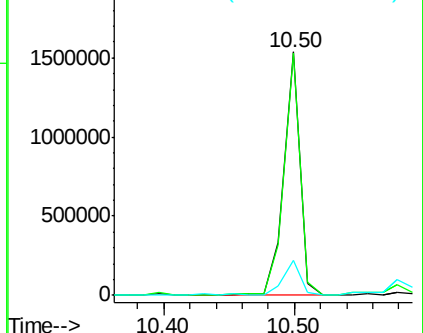
#57
Fluorene
 Concen: 41.97 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

Instrument :
 BNA_F
 ClientSampleId :
 S1-BOILERROOM2.5FTDEEP

Tgt Ion:166 Resp: 1360369
 Ion Ratio Lower Upper
 166 100
 165 99.3 80.2 120.4
 167 14.4 11.2 16.8

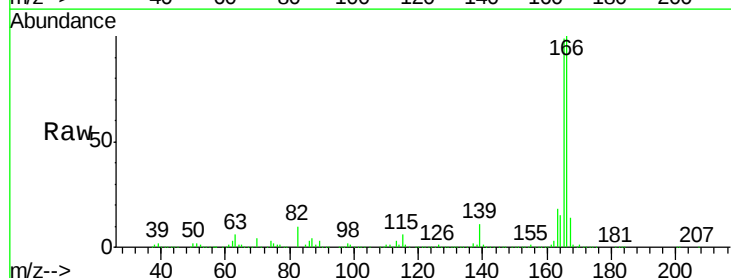


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

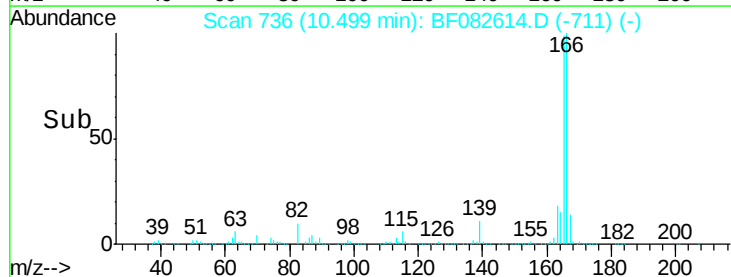
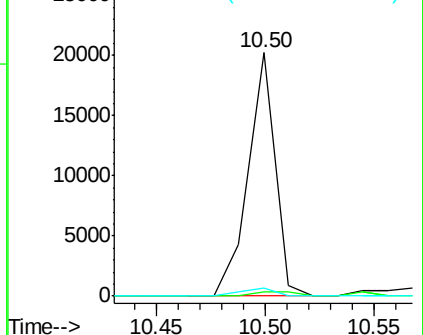


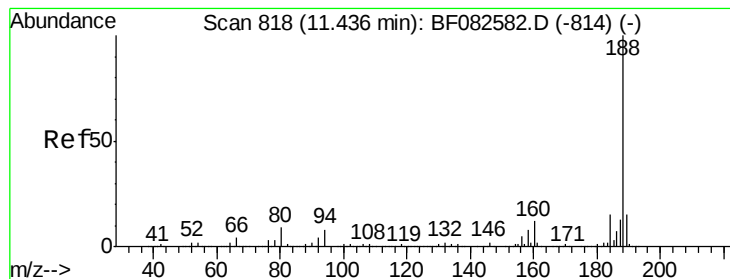
#61
4-Nitroaniline
 Concen: 2.19 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

Tgt Ion:138 Resp: 17373
 Ion Ratio Lower Upper
 138 100
 92 1.9 45.8 85.8#
 108 3.2 89.4 129.4#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

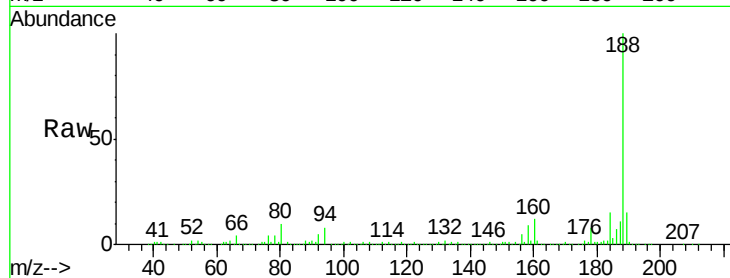
Tgt Ion:188 Resp: 718425

Ion Ratio Lower Upper

188 100

94 8.4 6.1 9.1

80 9.8 7.0 10.6



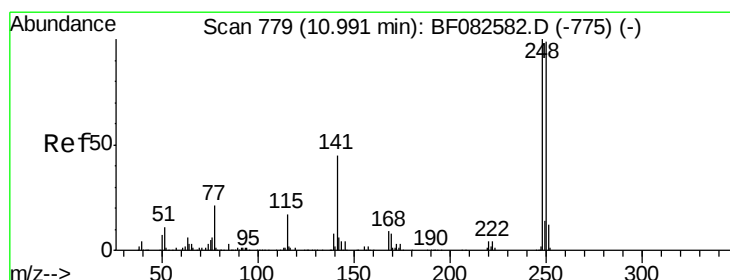
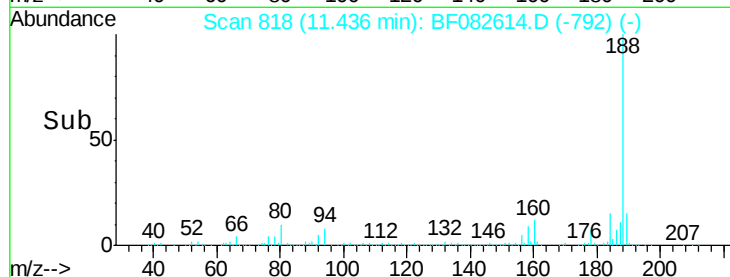
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.44

Time--> 11.35 11.40 11.45 11.50



#66

4-Bromophenyl-phenylether

Concen: 5.02 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.25 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

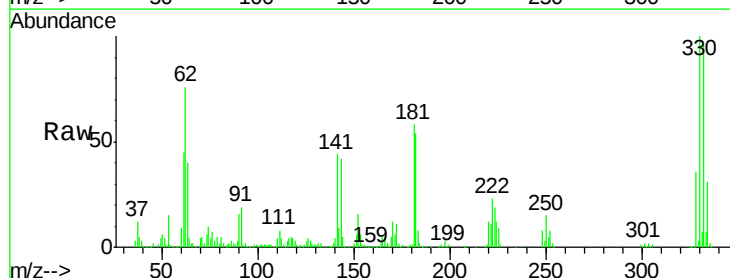
Tgt Ion:248 Resp: 40883

Ion Ratio Lower Upper

248 100

250 201.3 79.4 119.2#

141 573.0 36.3 54.5#



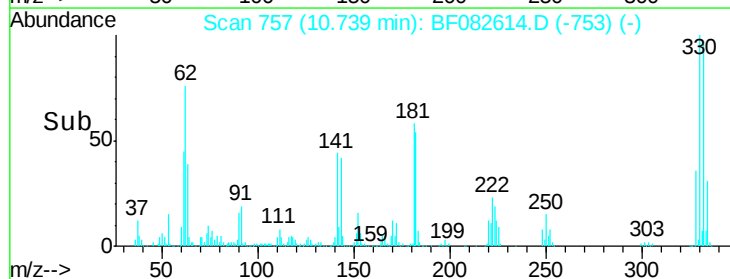
Abundance Ion 248.00 (247.70 to 248.70): E

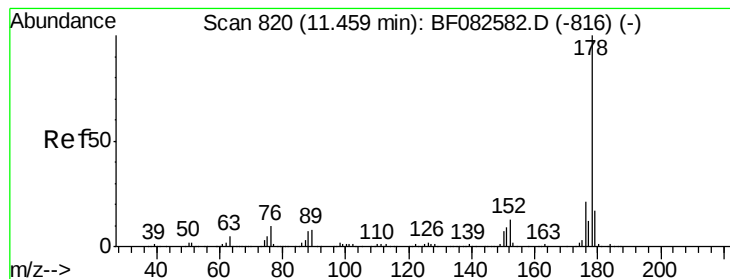
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.74

Time--> 10.70 10.75





#70

Phenanthrene

Concen: 79.21 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.07 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

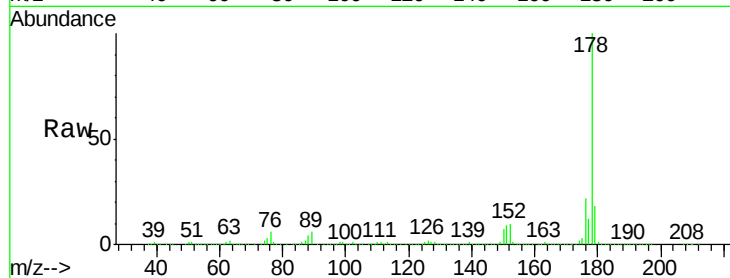
Tgt Ion:178 Resp: 3209639

Ion Ratio Lower Upper

178 100

176 22.2 17.0 25.4

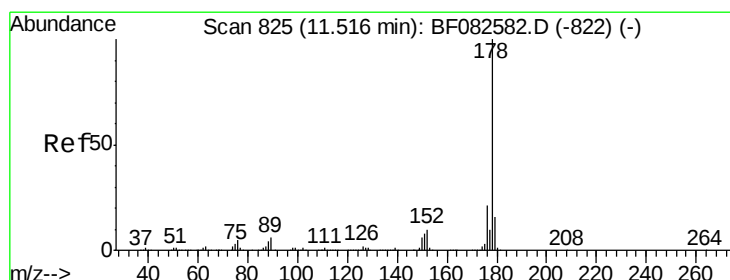
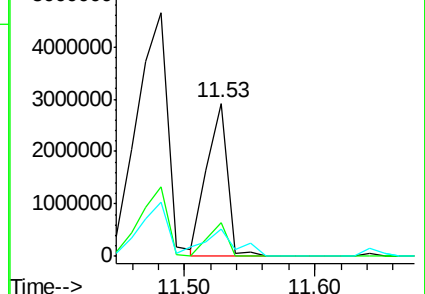
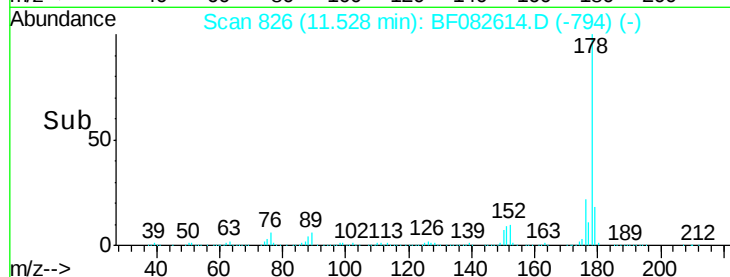
179 17.8 13.4 20.0



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



#71

Anthracene

Concen: 78.67 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

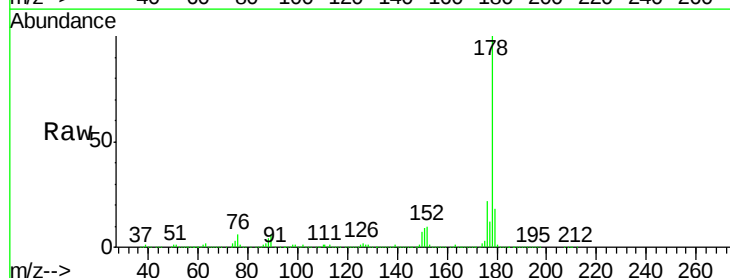
Tgt Ion:178 Resp: 3209639

Ion Ratio Lower Upper

178 100

176 22.2 16.5 24.7

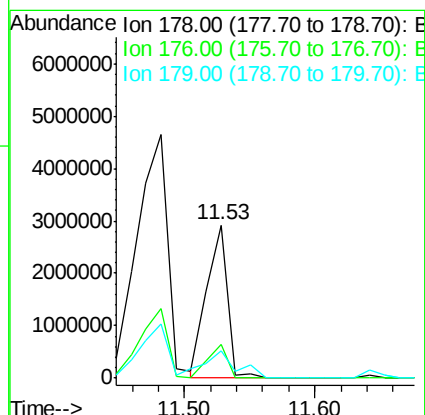
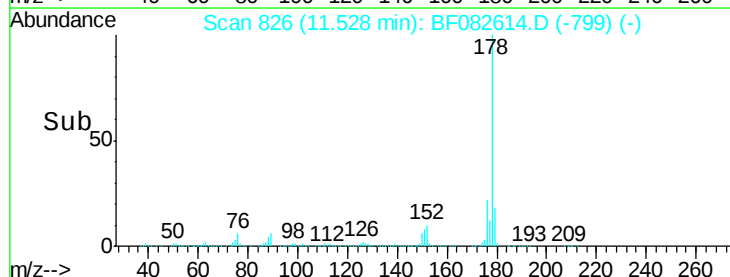
179 17.8 13.2 19.8

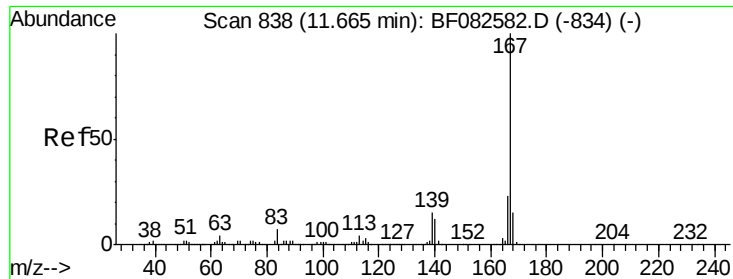


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

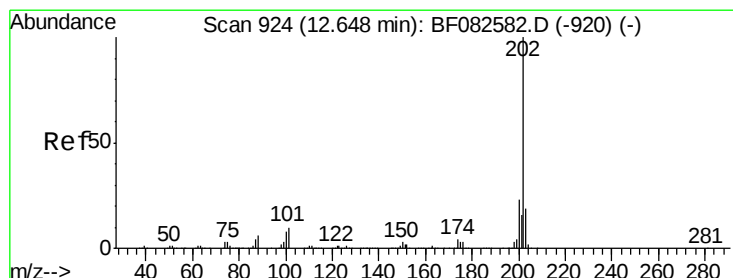
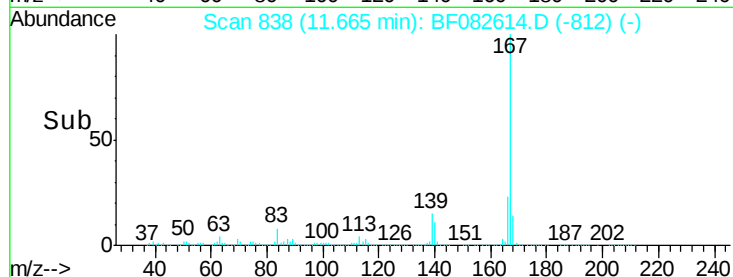
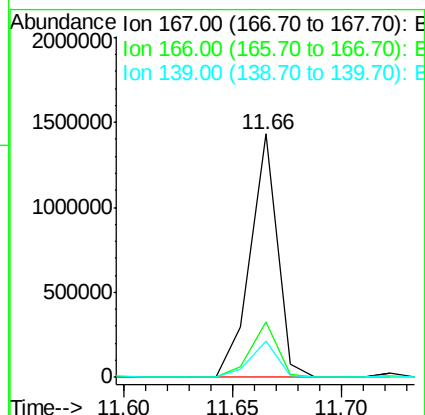
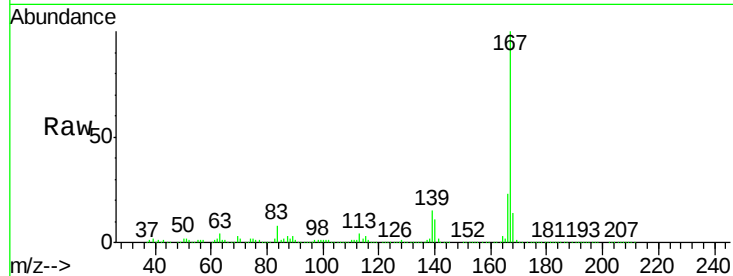




#72
 Carbazole
 Concen: 34.98 ng
 RT: 11.66 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

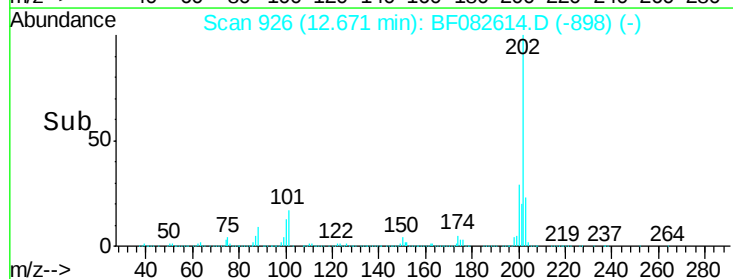
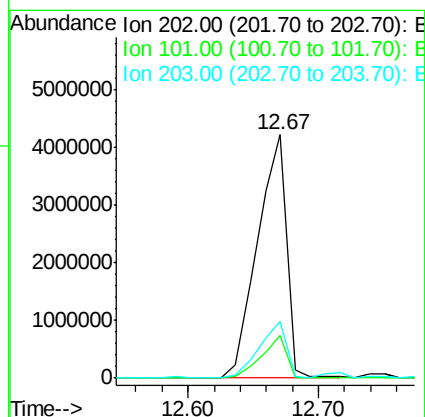
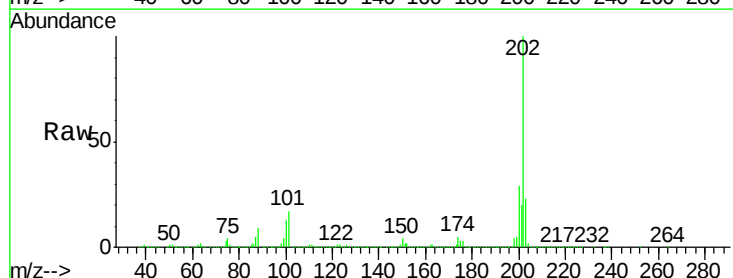
Instrument :
 BNA_F
 ClientSampleId :
 S1-BOILERROOM2.5FTDEEP

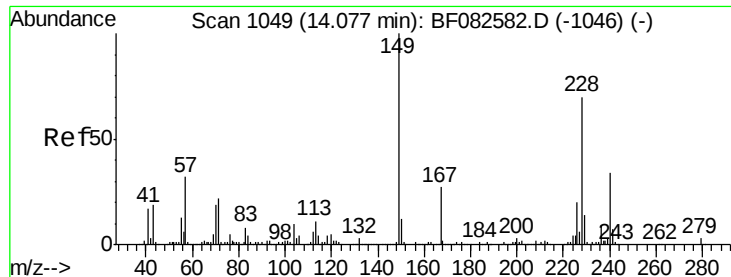
Tgt Ion:167 Resp: 1243183
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.7 28.1
 139 15.1 11.8 17.6



#74
 Fluoranthene
 Concen: 157.80 ng
 RT: 12.67 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: BF082614.D
 Acq: 31 Oct 2015 11:42

Tgt Ion:202 Resp: 6536697
 Ion Ratio Lower Upper
 202 100
 101 17.5 0.0 30.5
 203 23.4 0.0 38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1050

Delta R.T. 0.01 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

Instrument :

BNA_F

ClientSampleId :

S1-BOILERROOM2.5FTDEEP

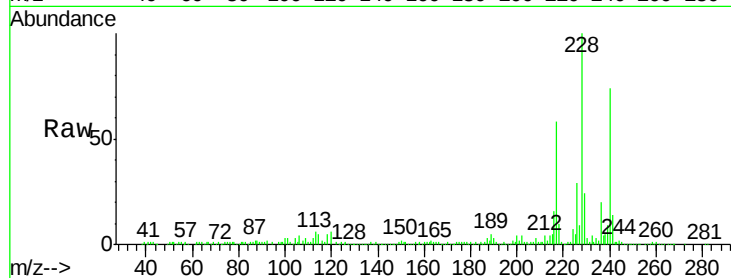
Tgt Ion:240 Resp: 461155

Ion Ratio Lower Upper

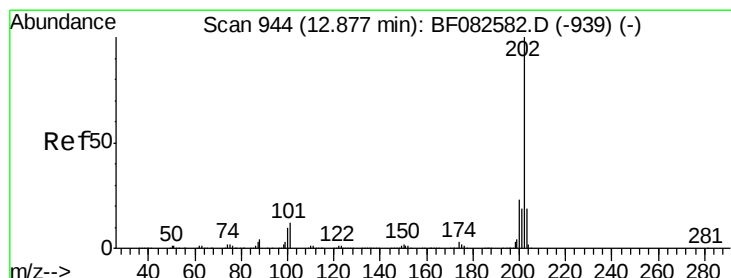
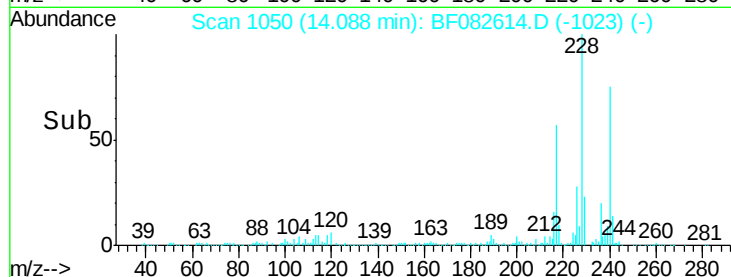
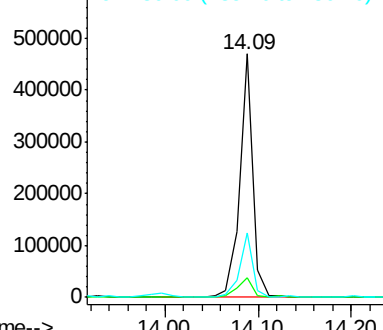
240 100

120 7.8 10.9 16.3#

236 26.4 21.6 32.4



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: 168.23 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF082614.D

Acq: 31 Oct 2015 11:42

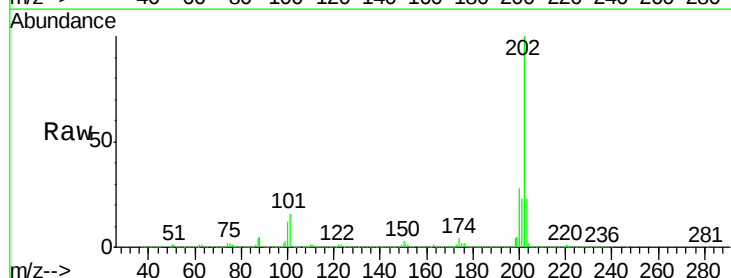
Tgt Ion:202 Resp: 5744790

Ion Ratio Lower Upper

202 100

200 27.9 18.7 28.1

203 22.5 14.8 22.2#



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

