

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
 Data File : BF082571.D
 Acq On : 28 Oct 2015 3:37
 Operator : UM/IZ
 Sample : G4178-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-BOILERROOM2.5FTDEEP

Quant Time: Oct 28 05:40:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	87039	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	320813	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	153936	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	270539	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	160430	20.00	ng	-0.03
86) Perylene-d12	15.30	264	175440	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	625952	141.97	ng	0.00
7) Phenol-d6	6.38	99	864653	150.47	ng	0.00
23) Nitrobenzene-d5	7.29	82	547661	110.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	172750	149.86	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	947563	97.88	ng	-0.02
78) Terphenyl-d14	12.82	244	711688	127.80	ng	-0.02

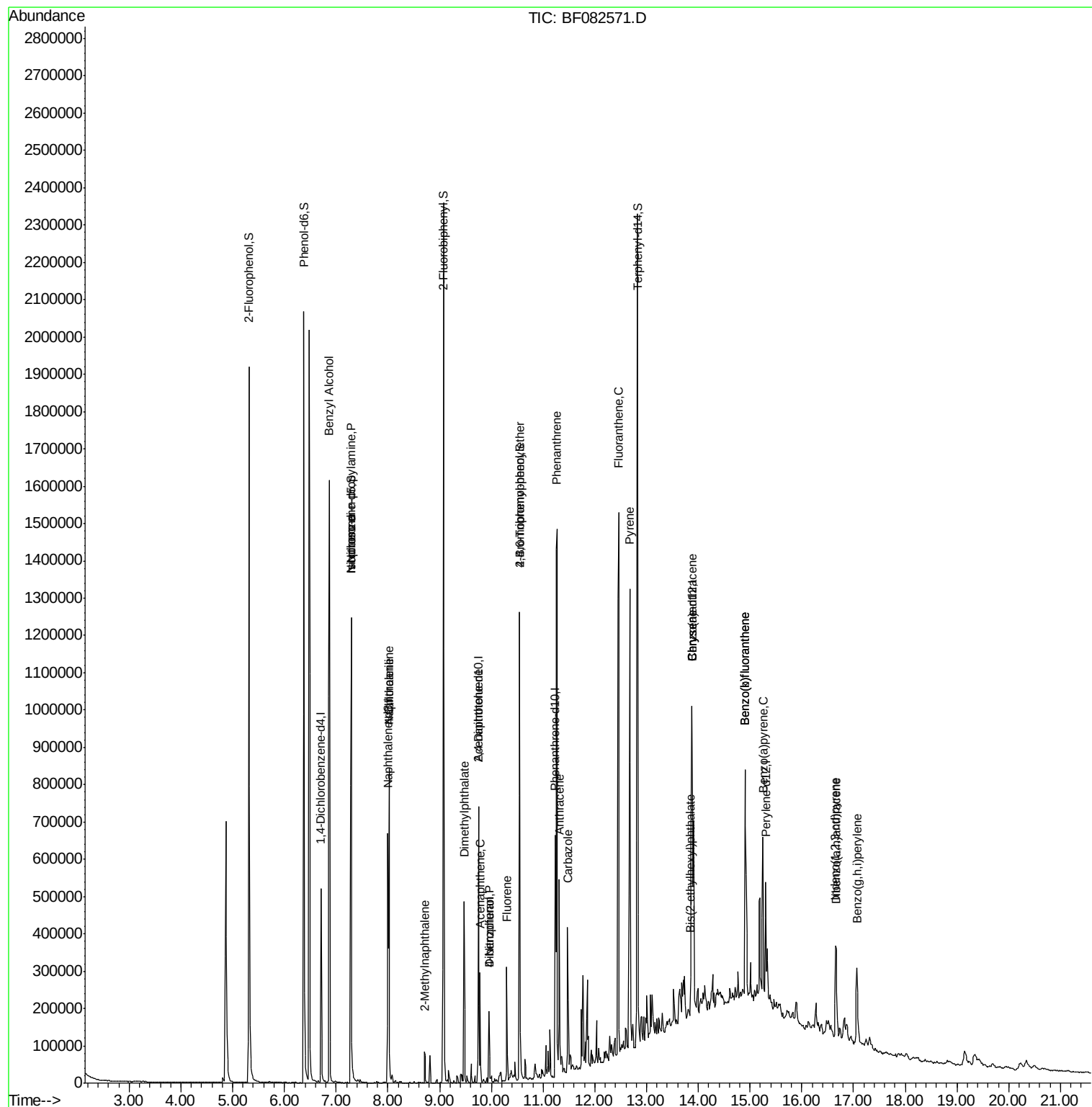
Target Compounds				Qvalue		
9) Benzaldehyde	6.38	77	1080	Below Cal	#	3
15) Benzyl Alcohol	6.87	79	8383	2.10 ng	#	51
19) n-Nitroso-di-n-propylamine	7.29	70	72391	19.34 ng	#	74
25) Isophorone	7.29	82	536219	54.28 ng	#	64
31) Naphthalene	8.02	128	430159	29.34 ng		99
33) 4-Chloroaniline	8.02	127	54831	9.65 ng	#	35
37) 2-Methylnaphthalene	8.72	142	38591	3.90 ng		96
49) Dimethylphthalate	9.47	163	232495	21.71 ng		99
51) Acenaphthene	9.78	154	65103	7.85 ng		98
54) Dibenzofuran	9.95	168	88886	7.34 ng		97
55) 4-Nitrophenol	9.95	139	32111	36.95 ng	#	12
56) 2,4-Dinitrotoluene	9.75	165	20911	7.34 ng	#	11
57) Fluorene	10.30	166	92701	9.33 ng		99
66) 4-Bromophenyl-phenylether	10.55	248	13321	5.25 ng	#	1
70) Phenanthrene	11.27	178	900588	64.68 ng		99
71) Anthracene	11.31	178	243241	17.35 ng		99
72) Carbazole	11.47	167	194918	15.76 ng		99
74) Fluoranthene	12.46	202	876395	61.32 ng		95
77) Pyrene	12.68	202	674351	68.34 ng		99
80) Benzo(a)anthracene	13.88	228	377314	43.87 ng		100
82) Chrysene	13.88	228	377314	46.44 ng		96
83) Bis(2-ethylhexyl)phthalate	13.85	149	12980	2.34 ng		99
85) Indeno(1,2,3-cd)pyrene	16.65	276	185409	24.84 ng	#	94
87) Benzo(b)fluoranthene	14.90	252	468075	44.93 ng	#	96
88) Benzo(k)fluoranthene	14.90	252	468075	55.11 ng		98
89) Benzo(a)pyrene	15.25	252	232120	25.72 ng	#	96
90) Dibenzo(a,h)anthracene	16.66	278	43512	5.76 ng	#	90
91) Benzo(g,h,i)perylene	17.06	276	171598	22.97 ng		97

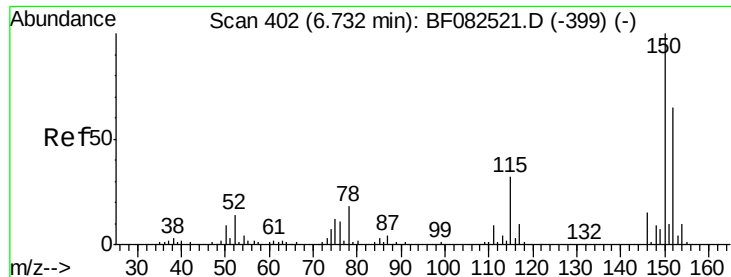
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

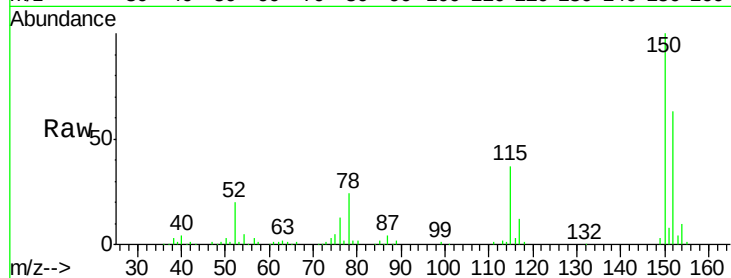
Tgt Ion:152 Resp: 87039

Ion Ratio Lower Upper

152 100

150 158.1 123.4 185.0

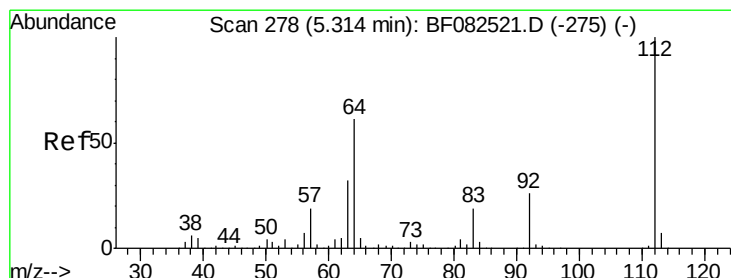
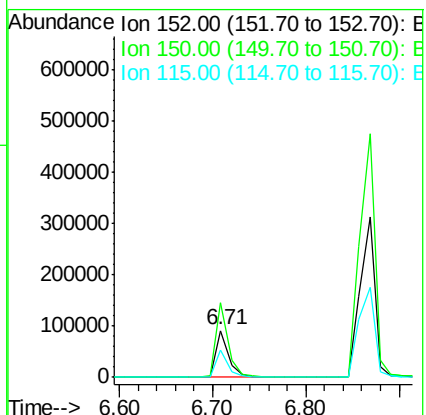
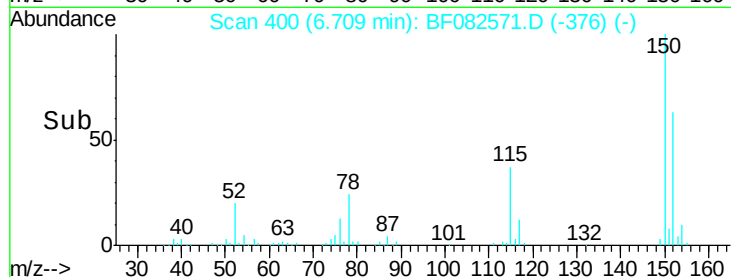
115 58.3 39.0 58.4



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: 141.97 ng

RT: 5.31 min Scan# 278

Delta R.T. 0.00 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

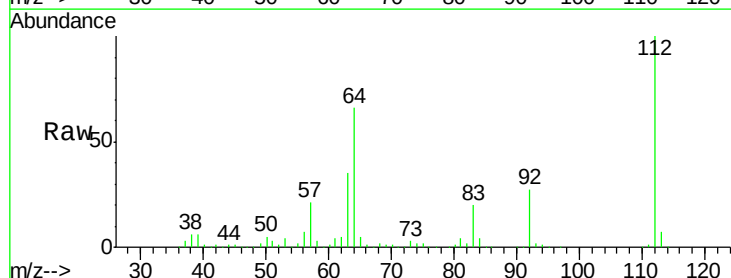
Tgt Ion:112 Resp: 625952

Ion Ratio Lower Upper

112 100

64 66.4 49.0 73.4

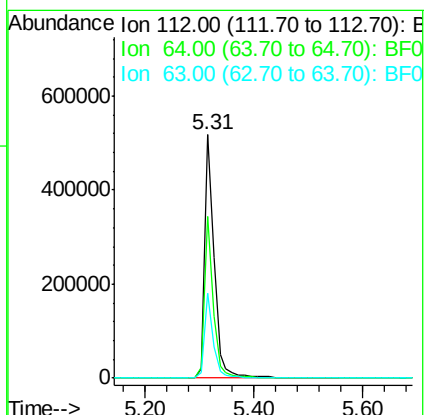
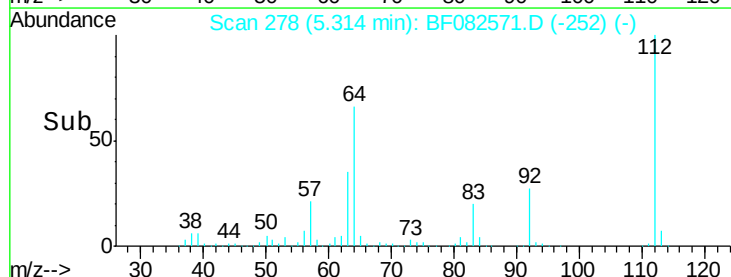
63 34.8 25.8 38.6

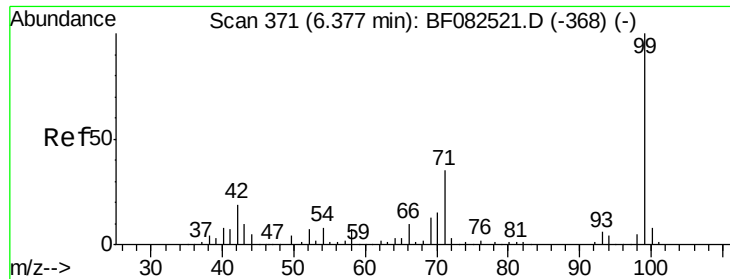


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.47 ng

RT: 6.38 min Scan# 371

Delta R.T. -0.00 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

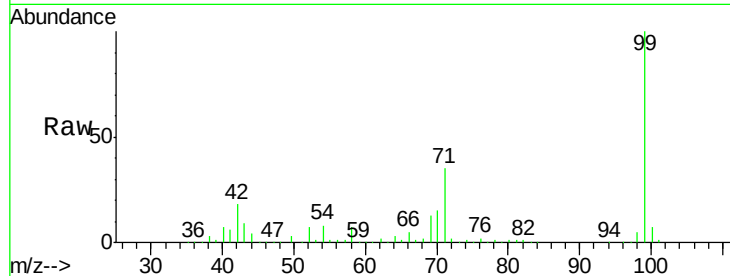
Tgt Ion: 99 Resp: 864653

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

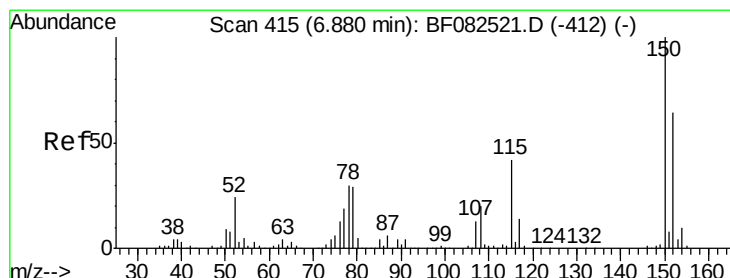
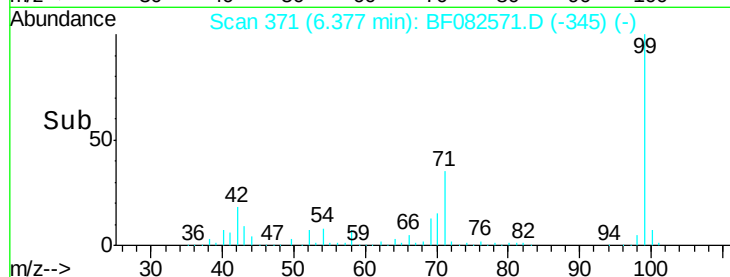
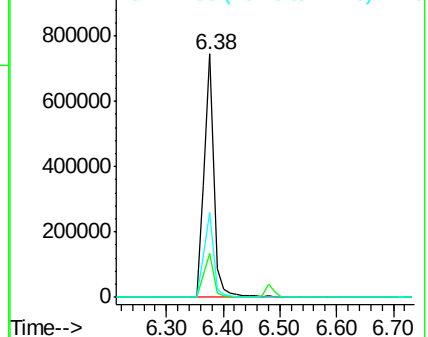
71 34.9 28.2 42.2



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



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 6.87 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

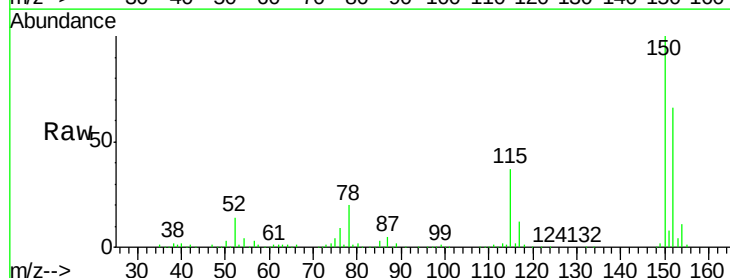
Tgt Ion: 79 Resp: 8383

Ion Ratio Lower Upper

79 100

108 36.2 55.0 82.6#

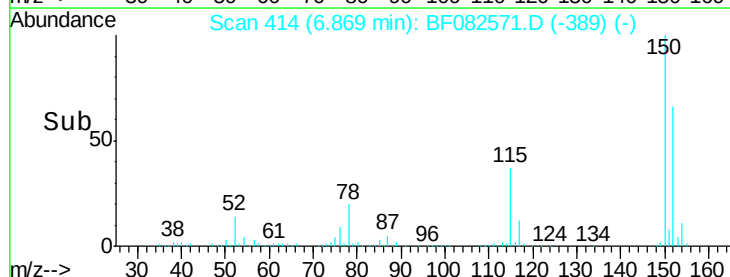
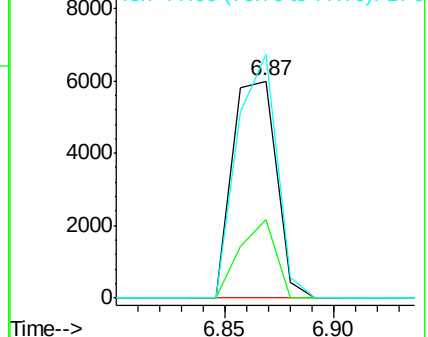
77 112.2 52.5 78.7#

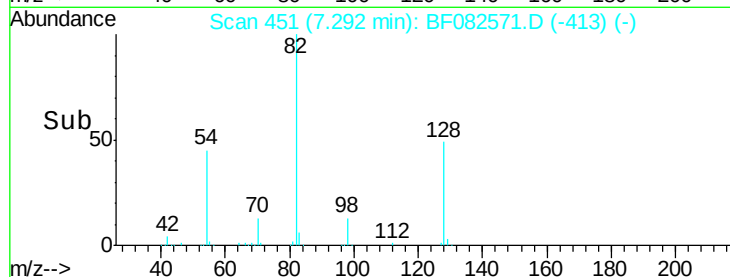
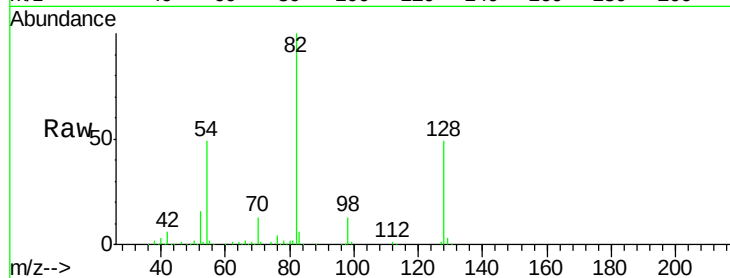
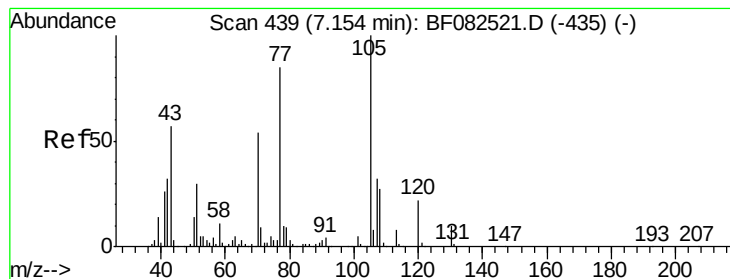


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 19.34 ng

RT: 7.29 min Scan# 451

Delta R.T. 0.14 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

Tgt Ion: 70 Resp: 72391

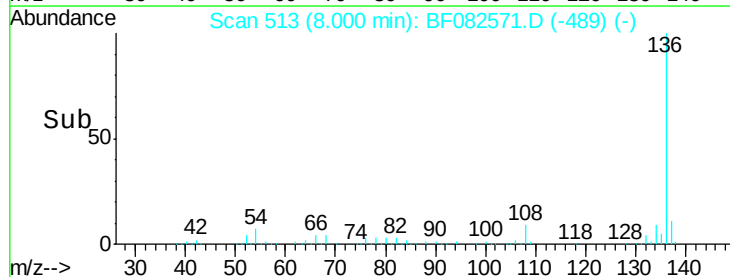
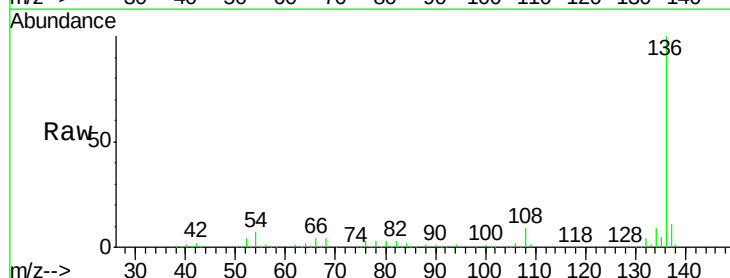
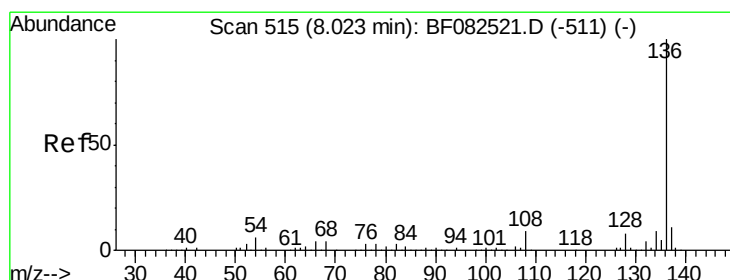
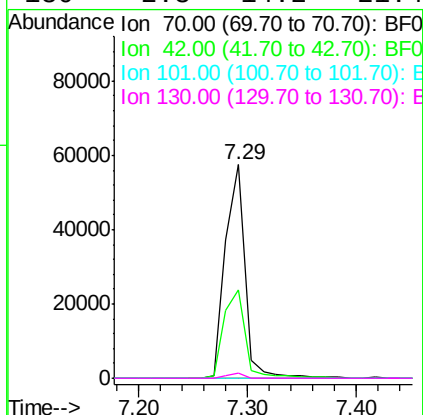
Ion Ratio Lower Upper

70 100

42 41.4 46.9 70.3#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Tgt Ion: 136 Resp: 320813

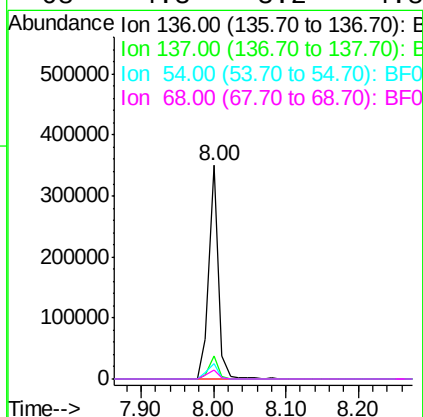
Ion Ratio Lower Upper

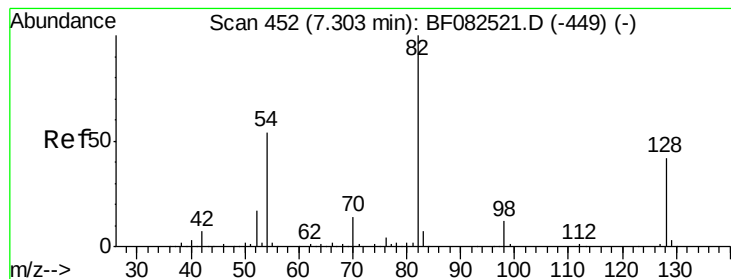
136 100

137 10.7 8.6 13.0

54 7.0 4.6 7.0#

68 4.3 3.2 4.8





#23

Nitrobenzene-d5

Concen: 110.13 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

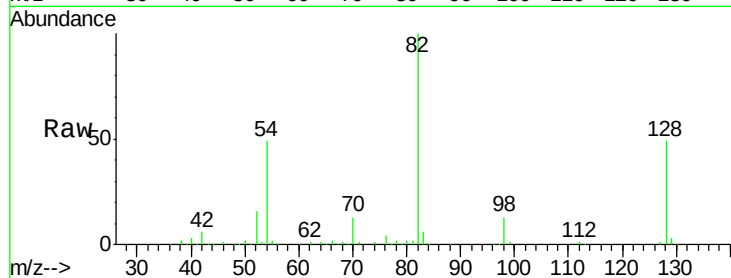
Tgt Ion: 82 Resp: 547661

Ion Ratio Lower Upper

82 100

128 48.7 33.4 50.0

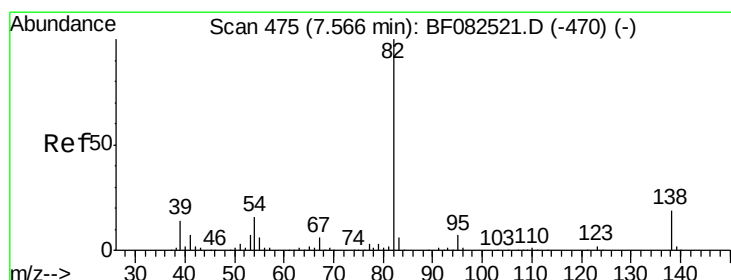
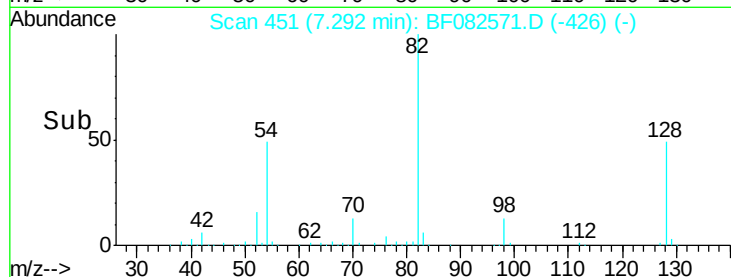
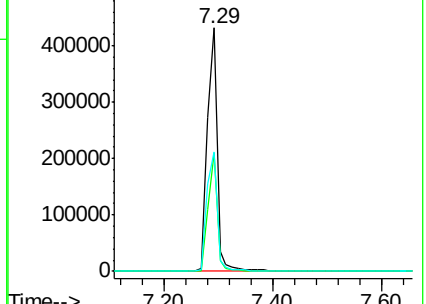
54 49.3 43.5 65.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 54.28 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.27 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

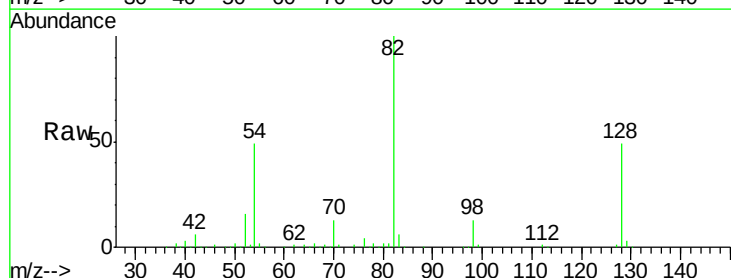
Tgt Ion: 82 Resp: 536219

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

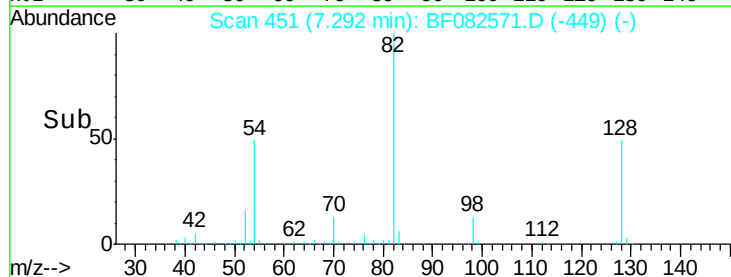
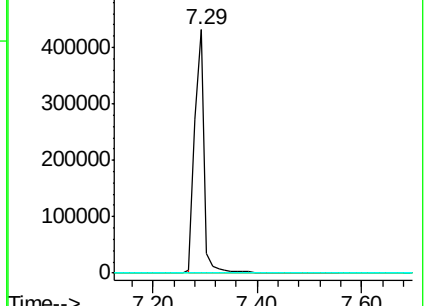
138 0.0 15.0 22.4#

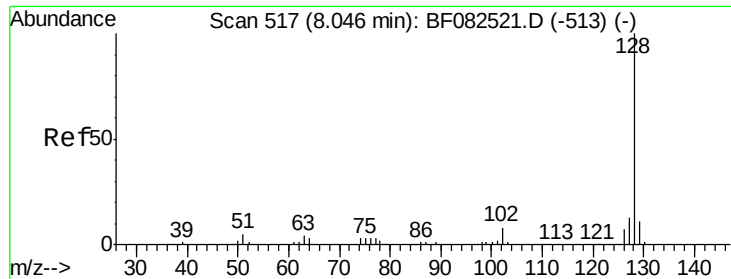


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

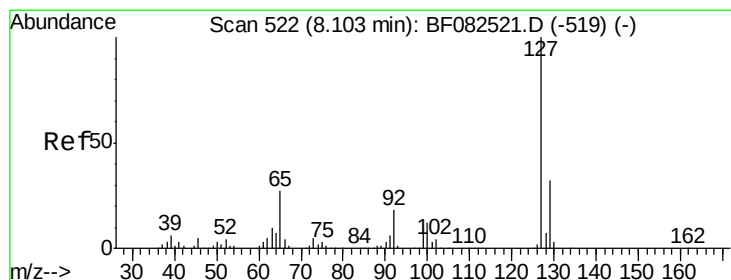
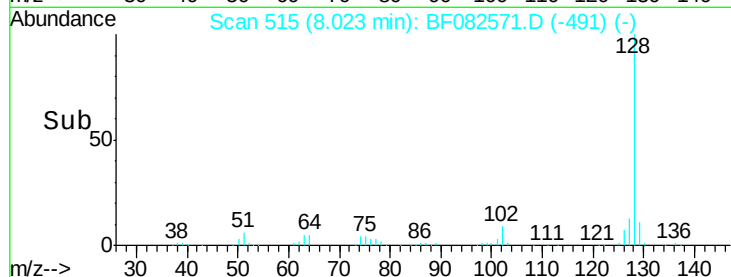
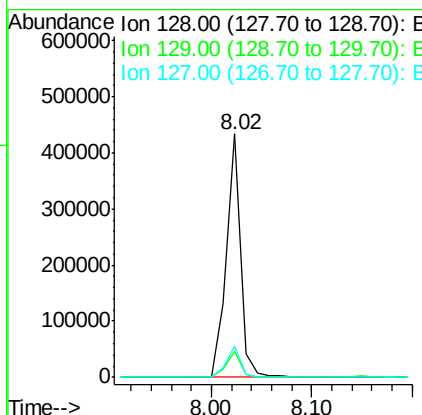
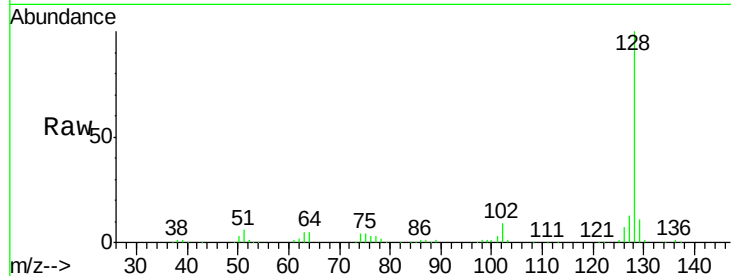




#31
Naphthalene
Concen: 29.34 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

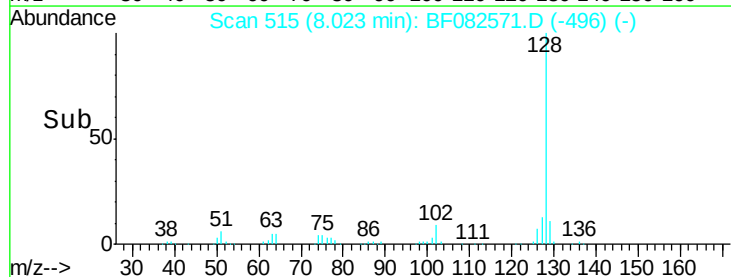
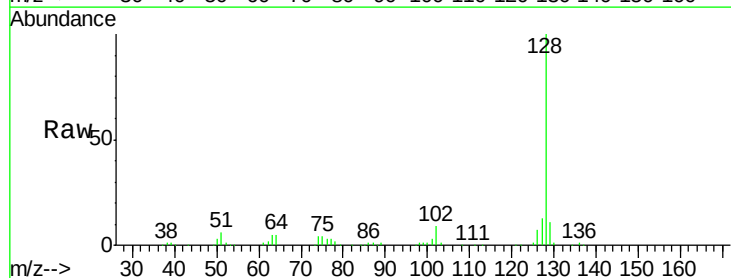
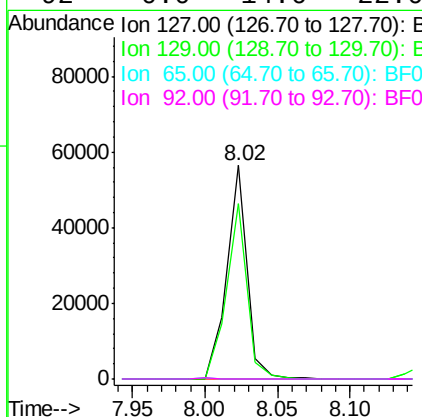
Instrument :
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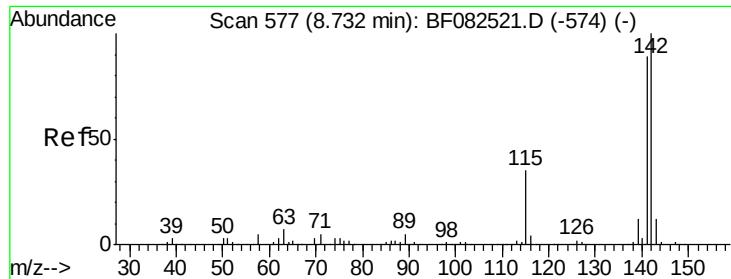
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.0	10.7	16.1



#33
4-Chloroaniline
Concen: 9.65 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.08 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion	Ratio	Lower	Upper
127	100		
129	82.3	25.8	38.8#
65	0.0	21.8	32.6#
92	0.0	14.6	22.0#

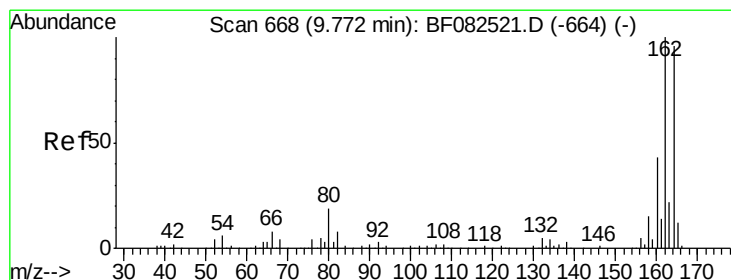
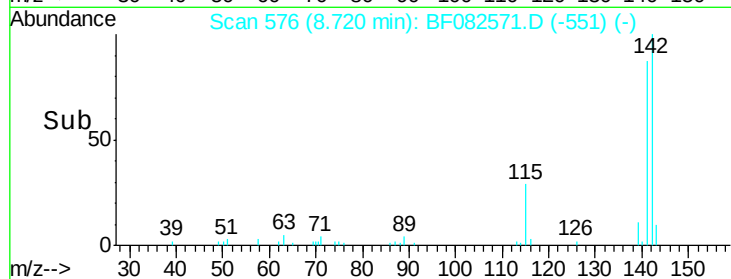
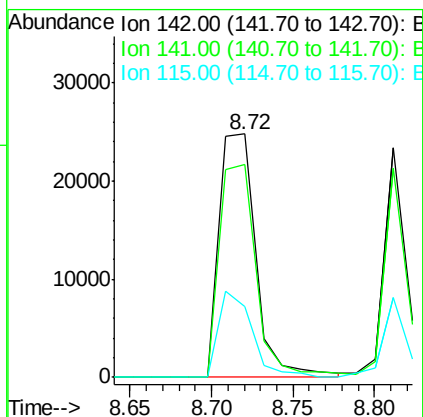
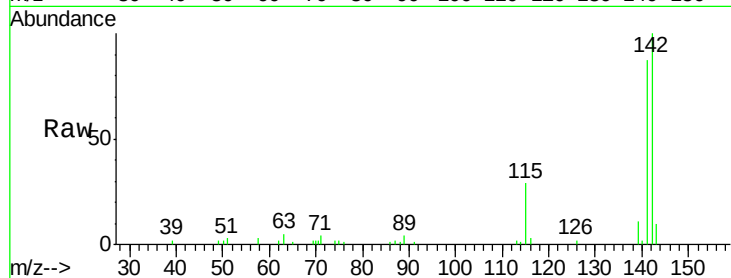




#37
 2-Methylnaphthalene
 Concen: 3.90 ng
 RT: 8.72 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

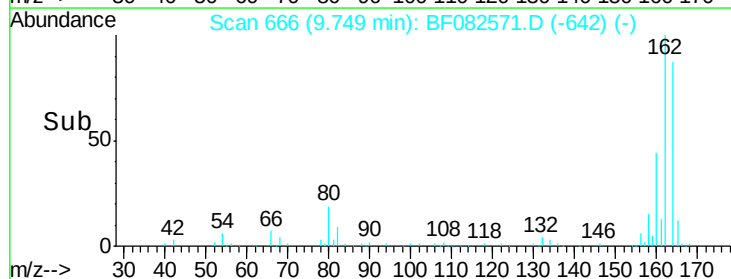
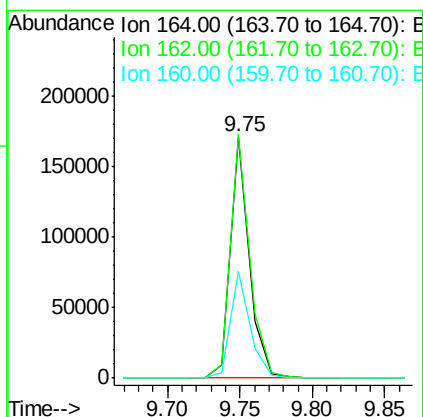
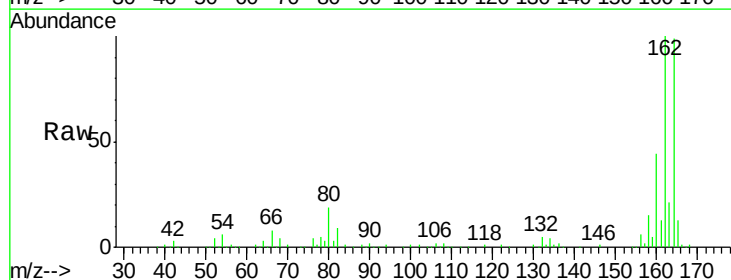
Instrument :
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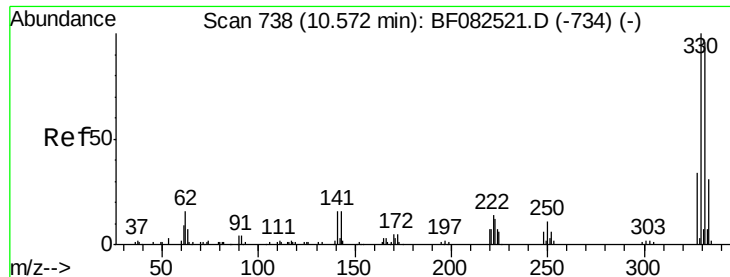
Tgt Ion:142 Resp: 38591
 Ion Ratio Lower Upper
 142 100
 141 87.2 71.0 106.6
 115 29.0 28.0 42.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

Tgt Ion:164 Resp: 153936
 Ion Ratio Lower Upper
 164 100
 162 101.0 83.6 125.4
 160 44.5 36.0 54.0

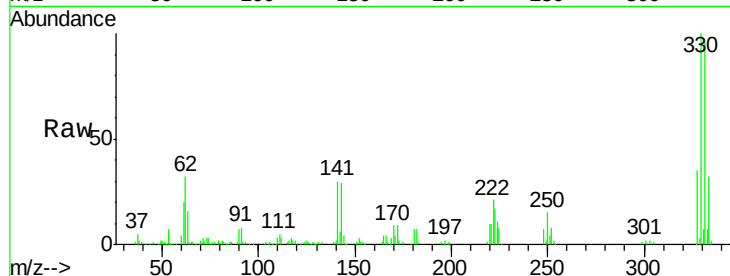




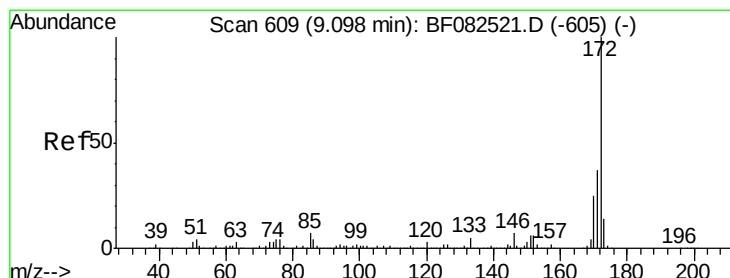
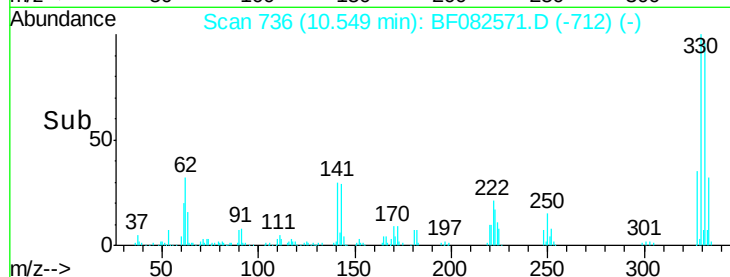
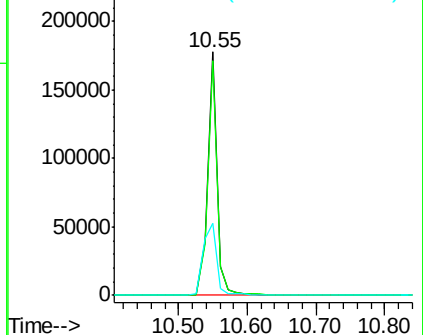
#41
 2,4,6-Tribromophenol
 Concen: 149.86 ng
 RT: 10.55 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

Instrument :
 BNA_F
 ClientSampleId :
 S4-BOILERROOM2.5FTDEEP

Tgt Ion: 330 Resp: 172750
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.0
 141 41.3 32.5 48.7

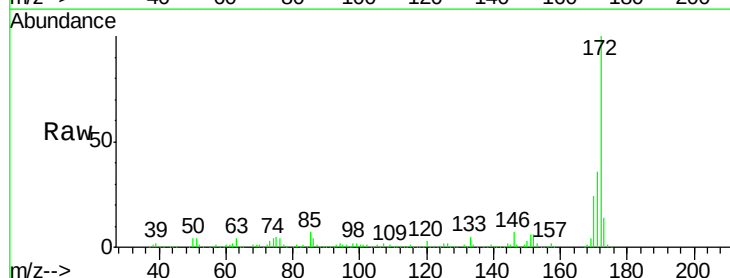


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

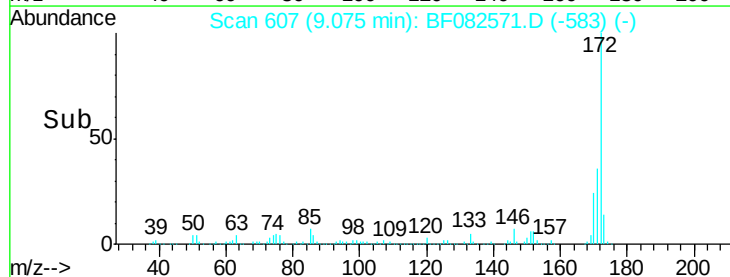
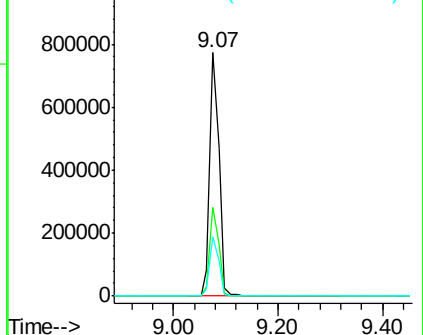


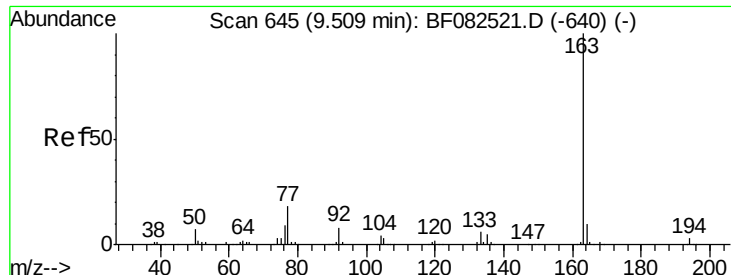
#44
 2-Fluorobiphenyl
 Concen: 97.88 ng
 RT: 9.07 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

Tgt Ion: 172 Resp: 947563
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 24.4 19.8 29.6



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

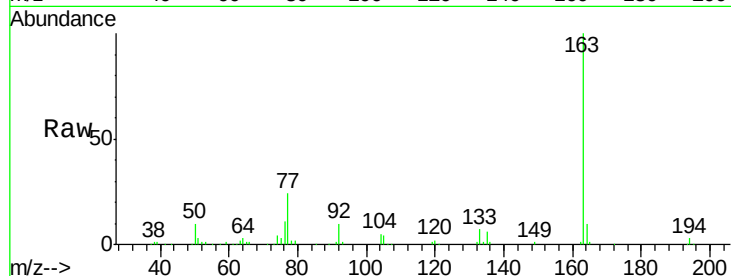




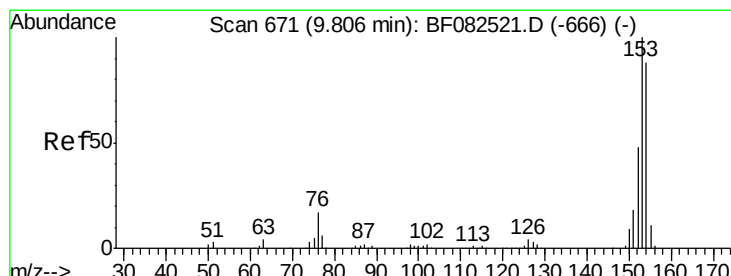
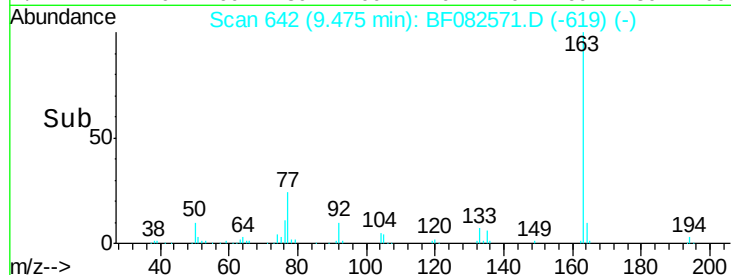
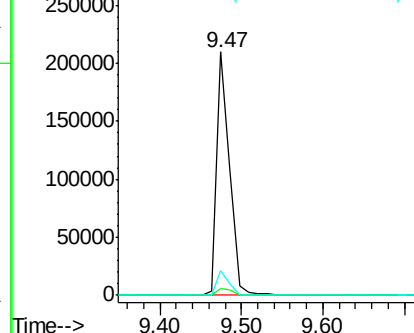
#49
Dimethylphthalate
Concen: 21.71 ng
RT: 9.47 min Scan# 642
Delta R.T. -0.03 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:163 Resp: 232495
Ion Ratio Lower Upper
163 100
194 2.9 2.8 4.2
164 10.2 8.2 12.4

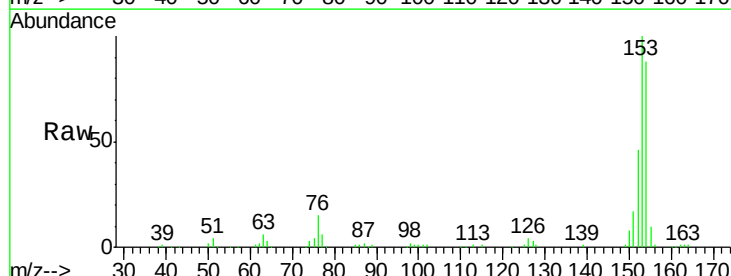


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

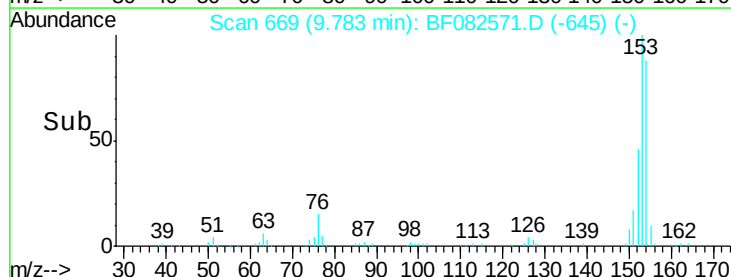
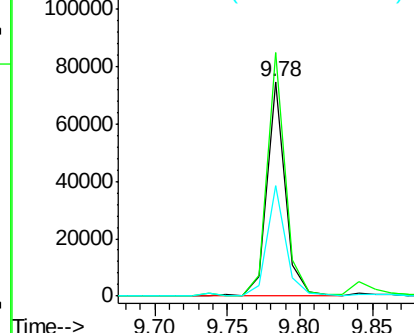


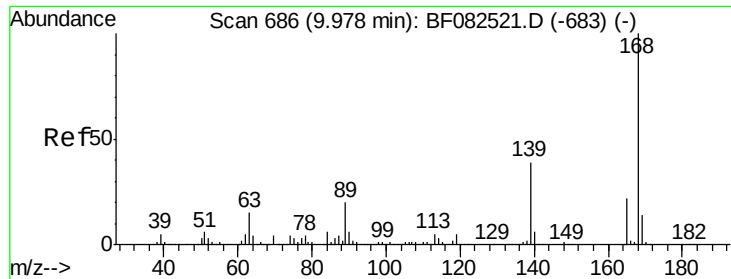
#51
Acenaphthene
Concen: 7.85 ng
RT: 9.78 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:154 Resp: 65103
Ion Ratio Lower Upper
154 100
153 113.4 90.7 136.1
152 51.6 44.0 66.0



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

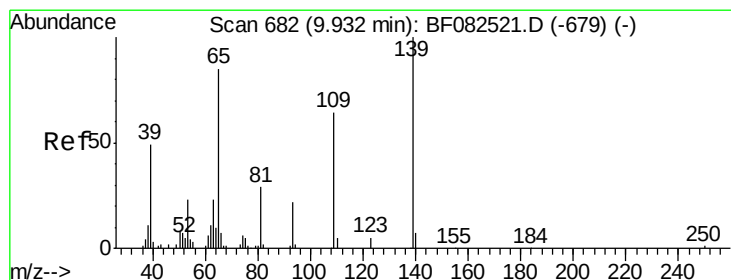
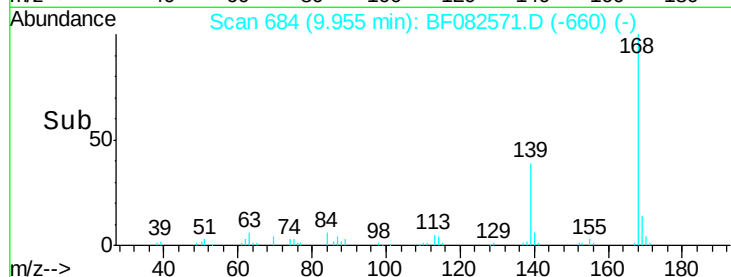
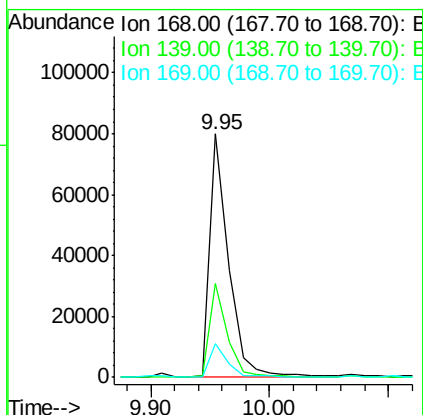
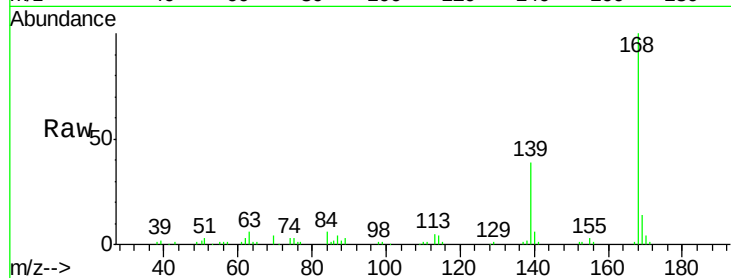




#54
Dibenzenofuran
Concen: 7.34 ng
RT: 9.95 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

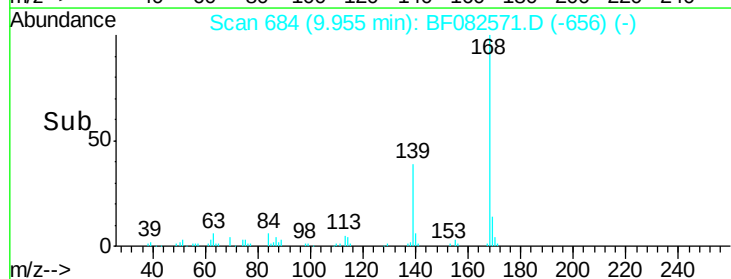
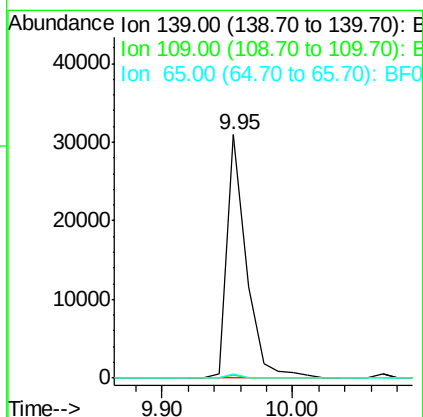
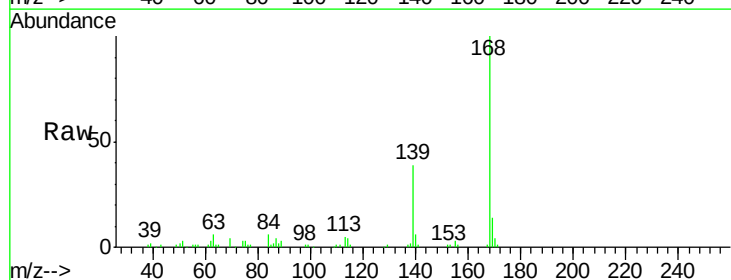
Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

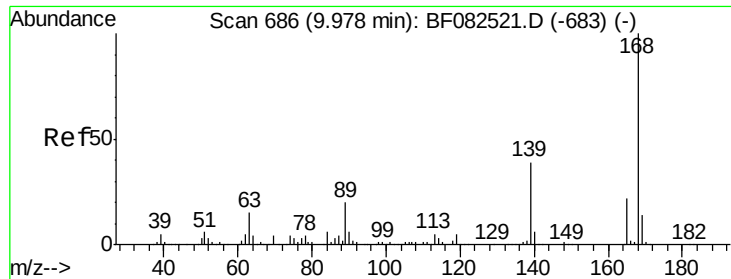
Tgt Ion:168 Resp: 88886
Ion Ratio Lower Upper
168 100
139 38.7 33.0 49.6
169 13.9 11.0 16.4



#55
4-Nitrophenol
Concen: 36.95 ng
RT: 9.95 min Scan# 684
Delta R.T. 0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:139 Resp: 32111
Ion Ratio Lower Upper
139 100
109 1.0 44.2 84.2#
65 1.9 68.1 108.1#

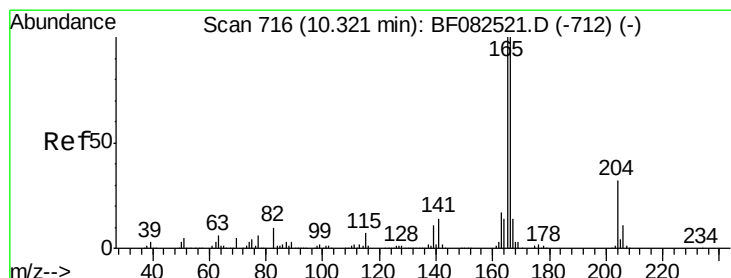
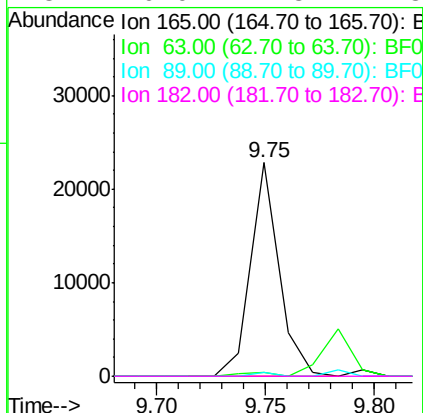
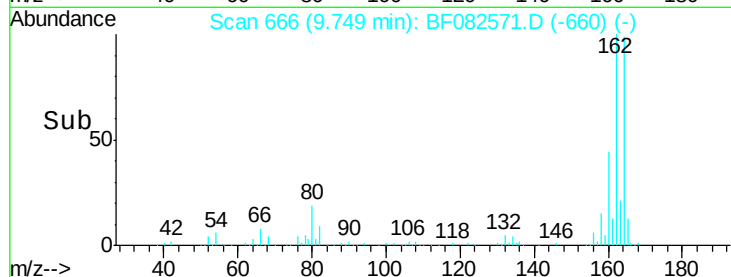
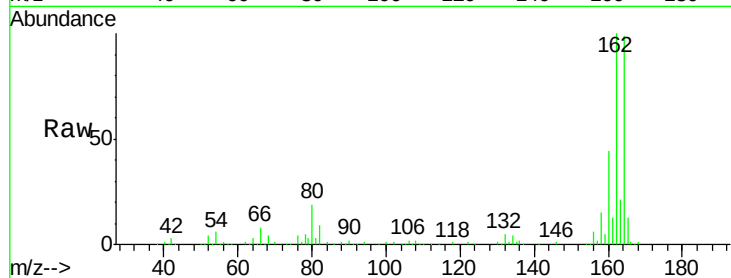




#56
2,4-Dinitrotoluene
Concen: 7.34 ng
RT: 9.75 min Scan# 666
Delta R.T. -0.23 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

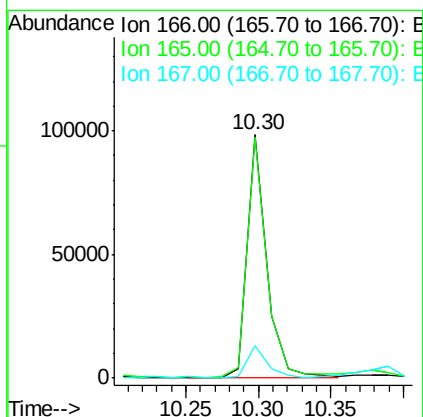
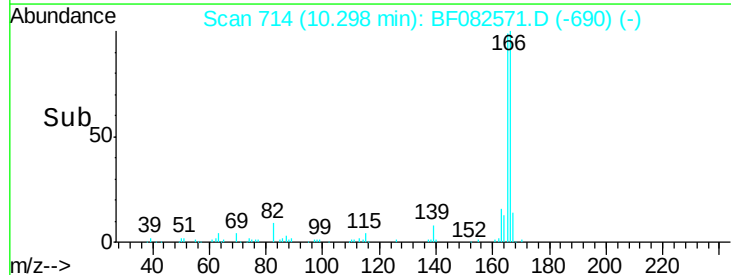
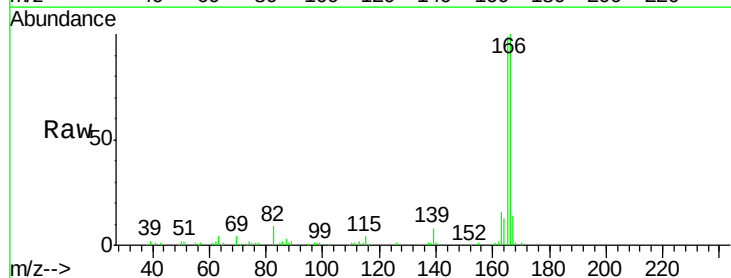
Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

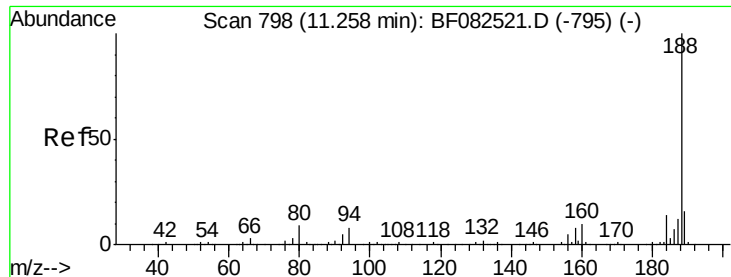
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	58.6	88.0#
89	1.7	72.3	108.5#
182	0.0	1.8	2.8#



#57
Fluorene
Concen: 9.33 ng
RT: 10.30 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.7	119.5
167	13.6	11.0	16.4

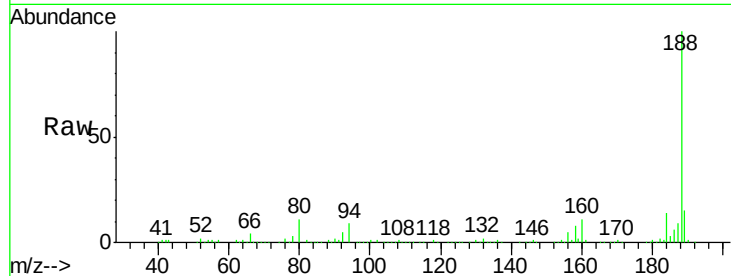




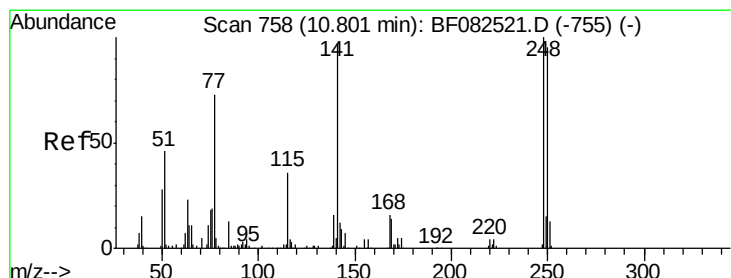
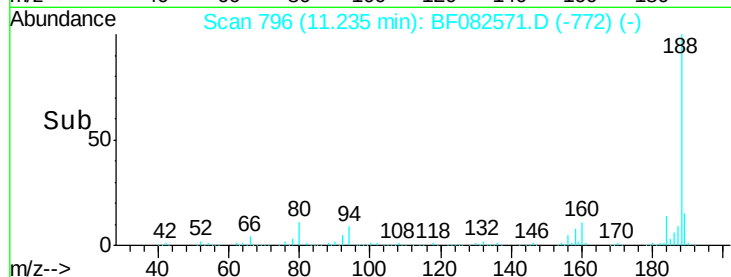
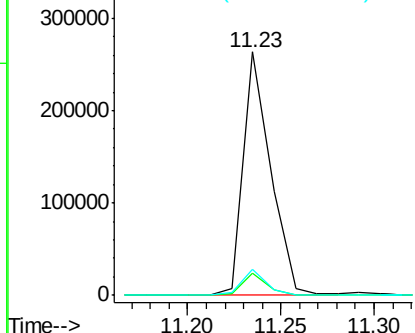
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

Instrument :
 BNA_F
 ClientSampleId :
 S4-BOILERROOM2.5FTDEEP

Tgt Ion:188 Resp: 270539
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.4 9.6
 80 10.5 7.0 10.6

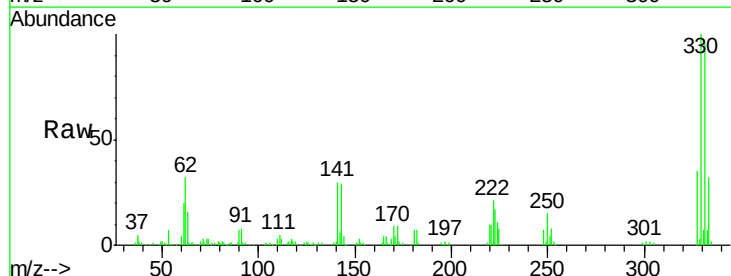


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

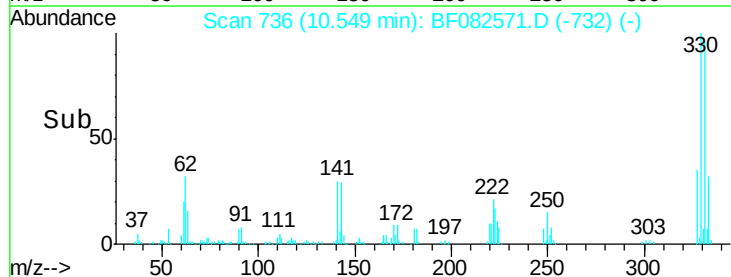
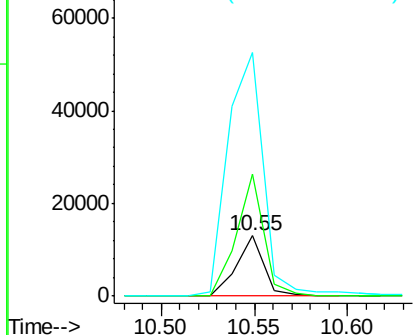


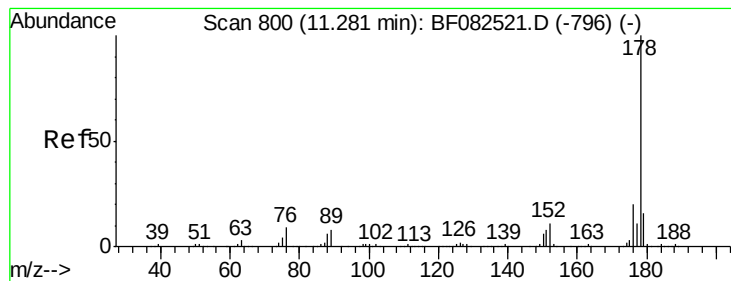
#66
 4-Bromophenyl-phenylether
 Concen: 5.25 ng
 RT: 10.55 min Scan# 736
 Delta R.T. -0.25 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

Tgt Ion:248 Resp: 13321
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.0 114.0#
 141 405.0 77.5 116.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 64.68 ng

RT: 11.27 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

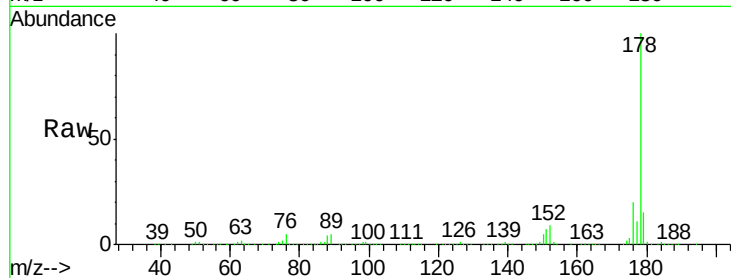
Tgt Ion:178 Resp: 900588

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

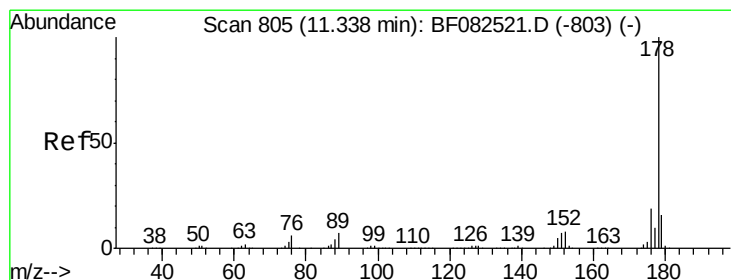
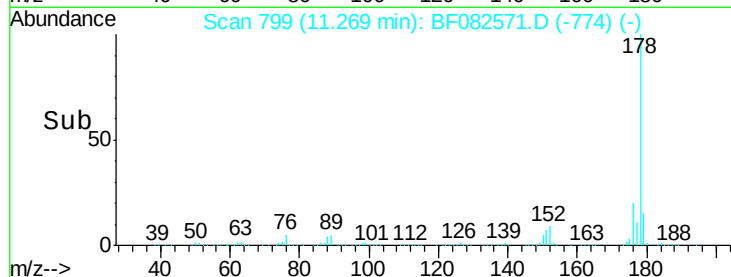
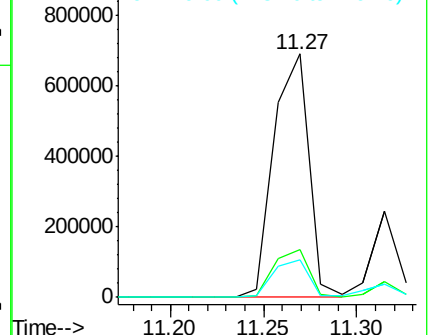
179 15.4 12.8 19.2



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



#71

Anthracene

Concen: 17.35 ng

RT: 11.31 min Scan# 803

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

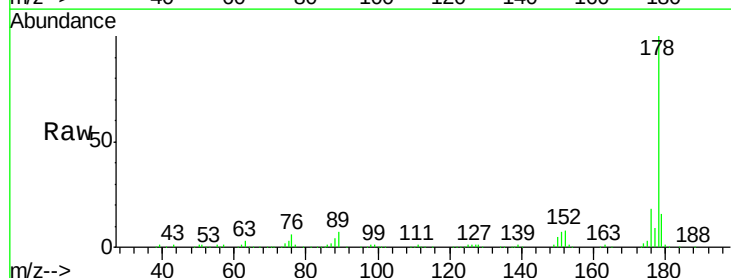
Tgt Ion:178 Resp: 243241

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

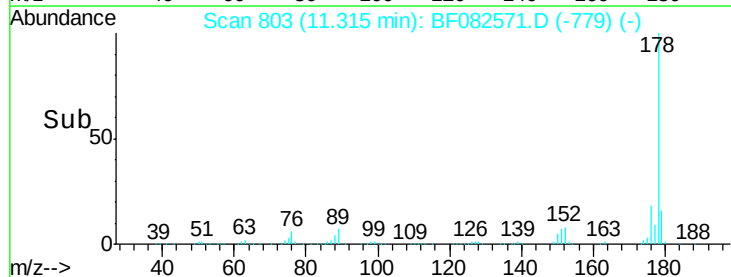
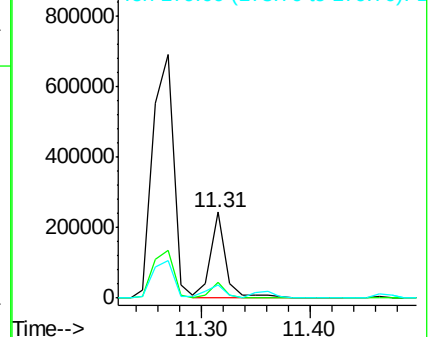
179 15.5 12.6 19.0

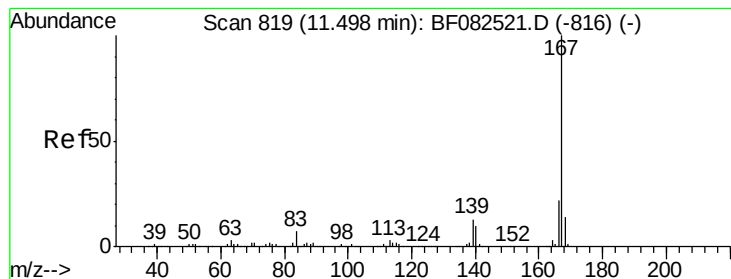


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 15.76 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

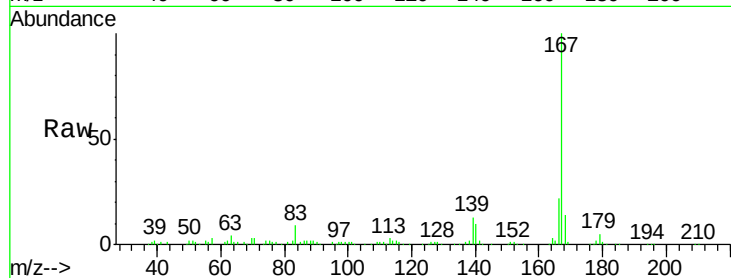
Tgt Ion:167 Resp: 194918

Ion Ratio Lower Upper

167 100

166 22.0 17.9 26.9

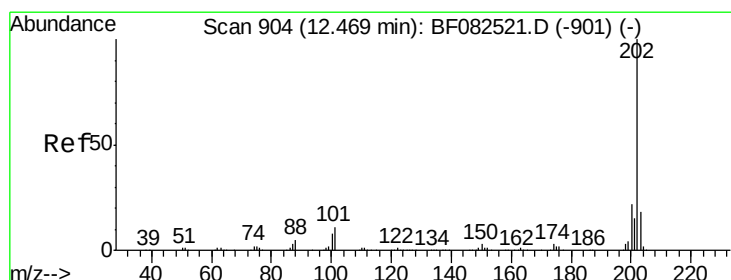
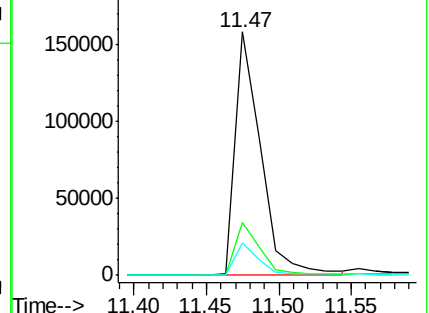
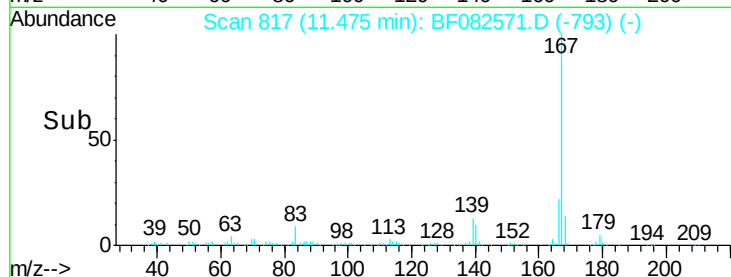
139 13.4 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 61.32 ng

RT: 12.46 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

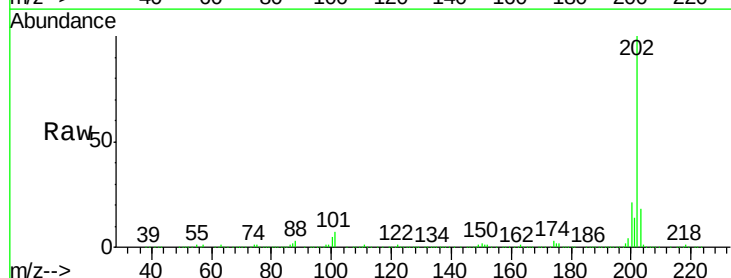
Tgt Ion:202 Resp: 876395

Ion Ratio Lower Upper

202 100

101 6.6 0.0 31.2

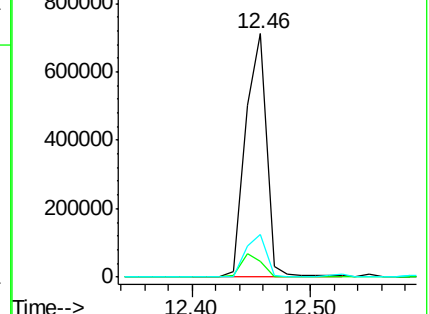
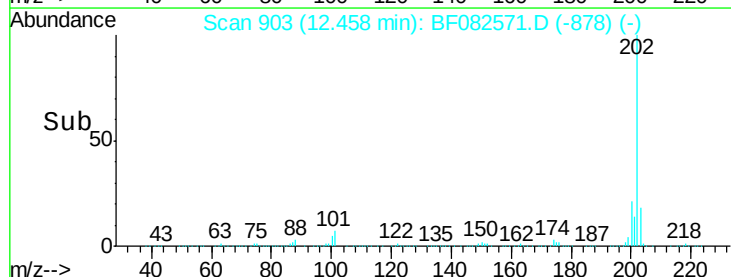
203 17.6 0.0 38.1

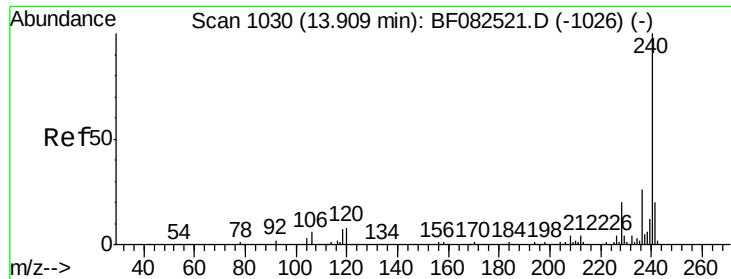


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

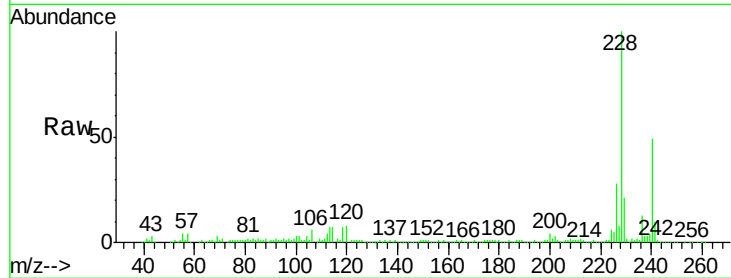
Tgt Ion:240 Resp: 160430

Ion Ratio Lower Upper

240 100

120 16.1 6.5 9.7#

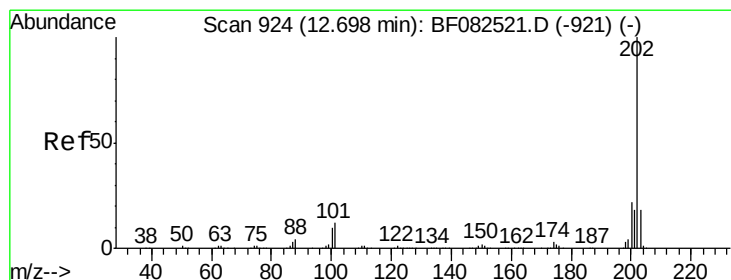
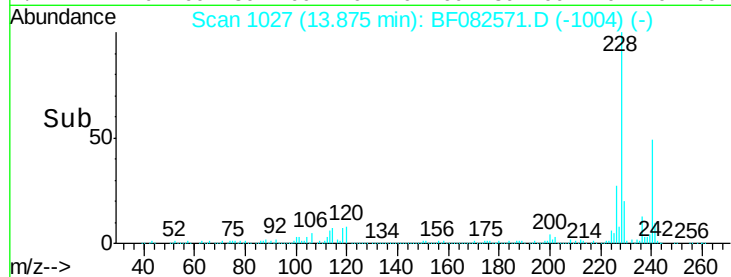
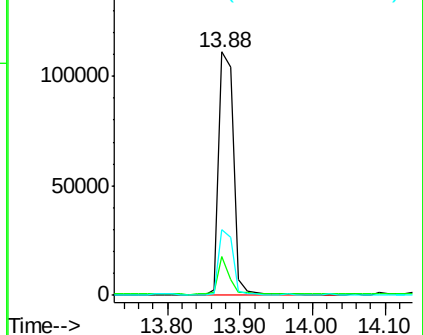
236 26.9 20.5 30.7



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: 68.34 ng

RT: 12.68 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

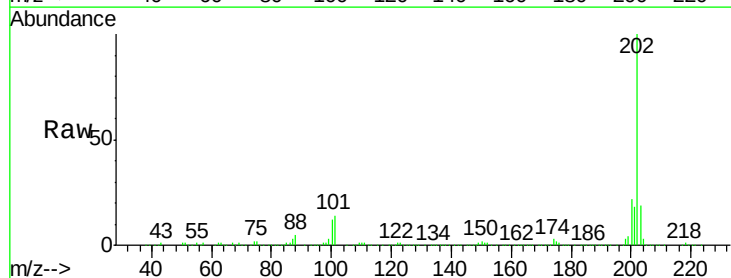
Tgt Ion:202 Resp: 674351

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

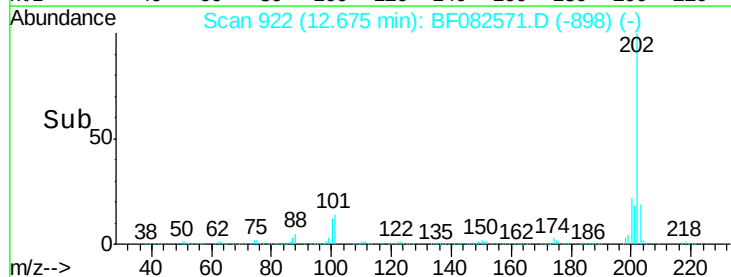
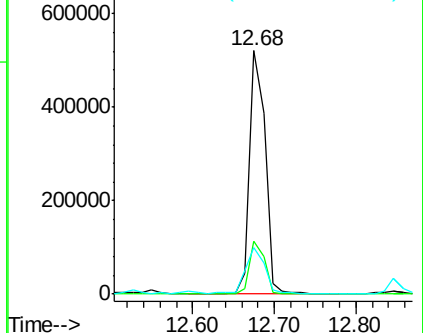
203 19.3 14.6 22.0

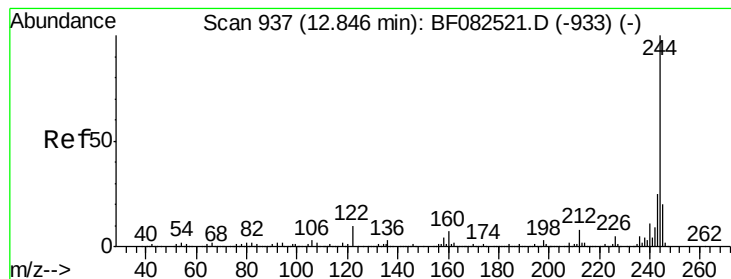


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 127.80 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

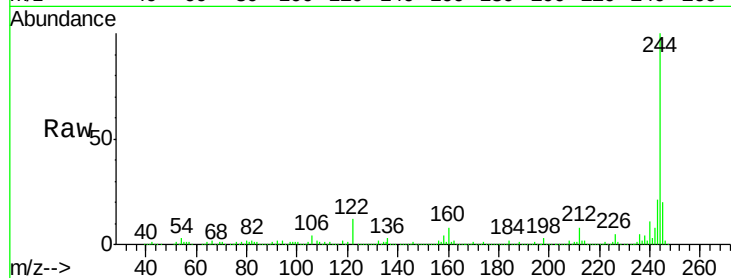
Tgt Ion:244 Resp: 711688

Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

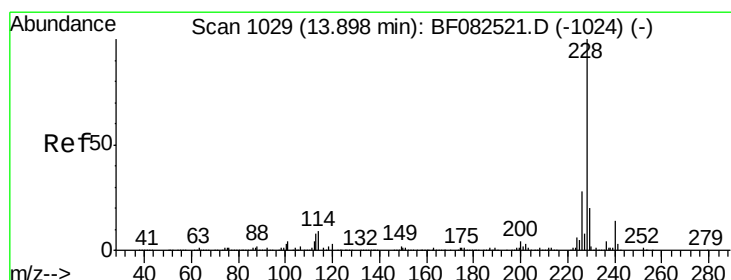
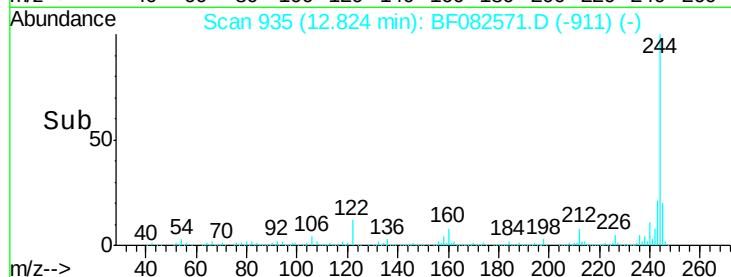
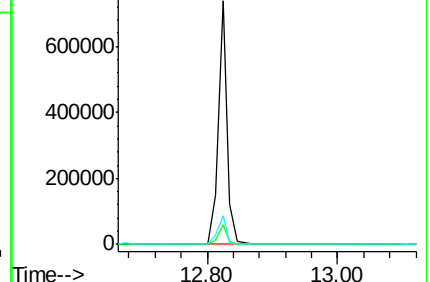
122 11.7 8.1 12.1



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: 43.87 ng

RT: 13.88 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

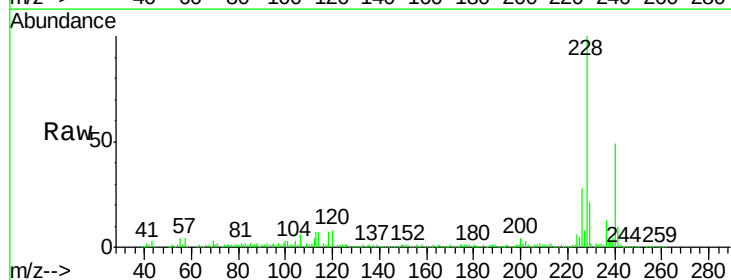
Tgt Ion:228 Resp: 377314

Ion Ratio Lower Upper

228 100

226 27.5 22.1 33.1

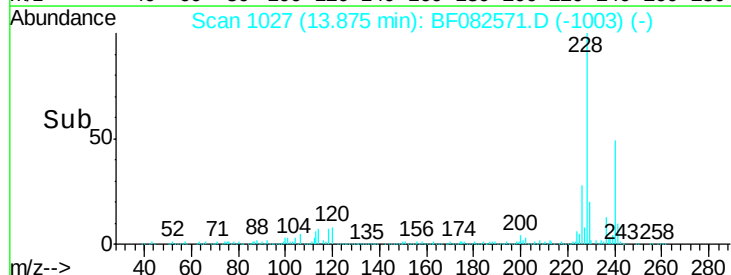
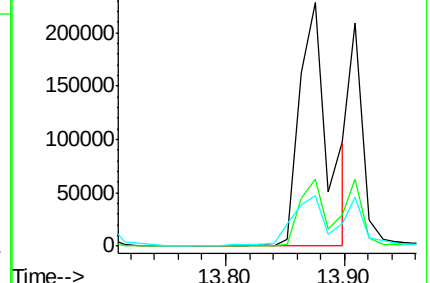
229 20.5 16.1 24.1

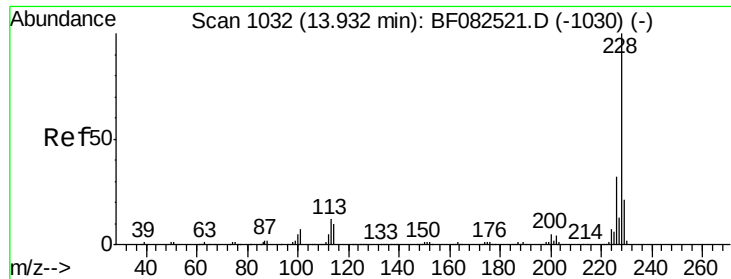


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 46.44 ng

RT: 13.88 min Scan# 1027

Delta R.T. -0.06 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP

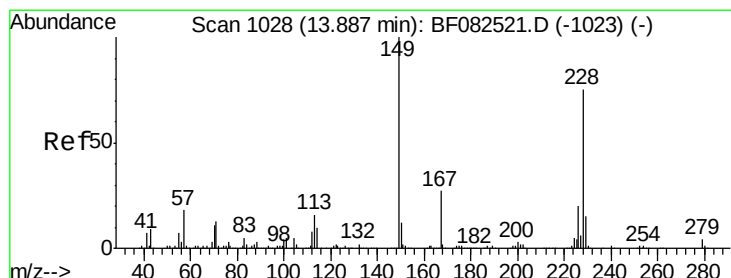
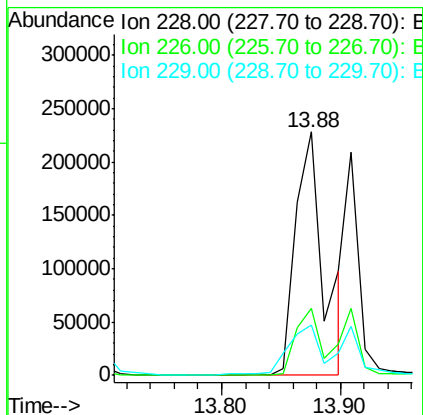
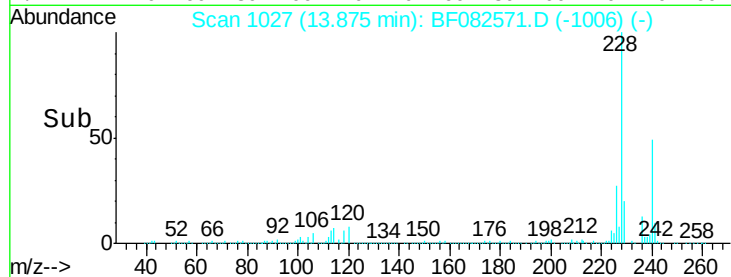
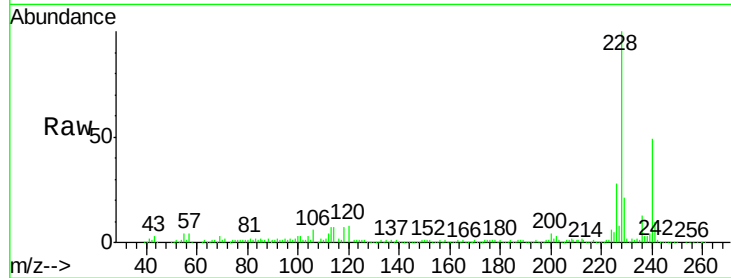
Tgt Ion:228 Resp: 377314

Ion Ratio Lower Upper

228 100

226 27.5 25.2 37.8

229 20.5 16.3 24.5



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.34 ng

RT: 13.85 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF082571.D

Acq: 28 Oct 2015 3:37

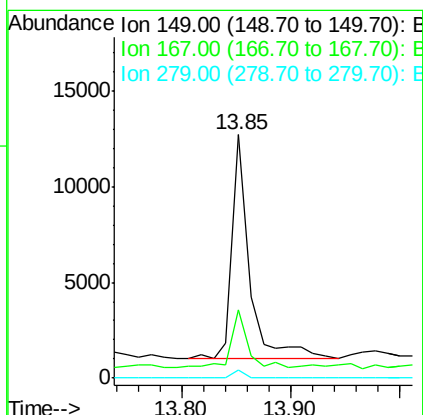
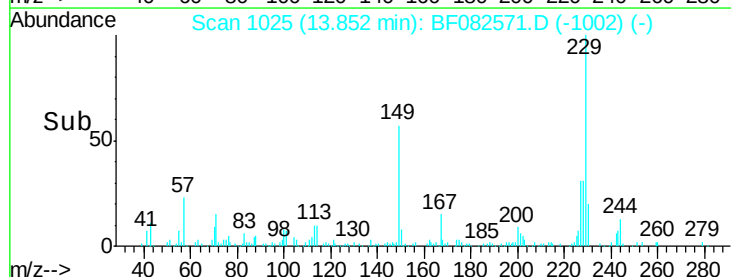
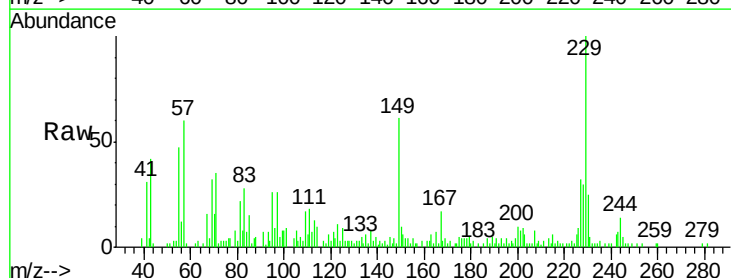
Tgt Ion:149 Resp: 12980

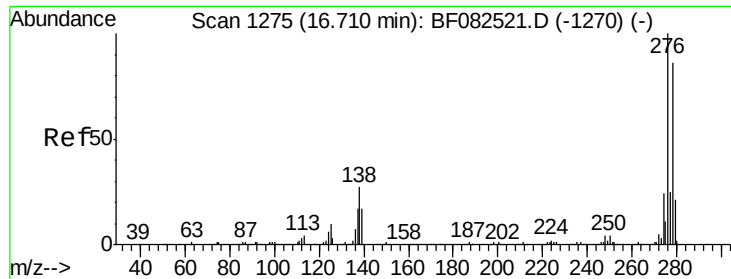
Ion Ratio Lower Upper

149 100

167 27.9 21.8 32.6

279 3.2 3.0 4.6

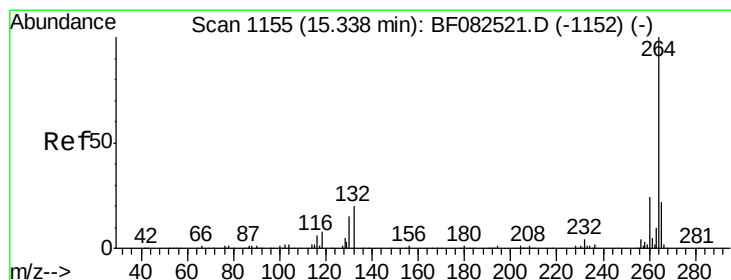
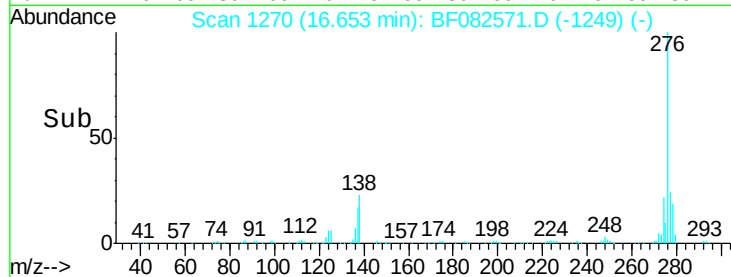
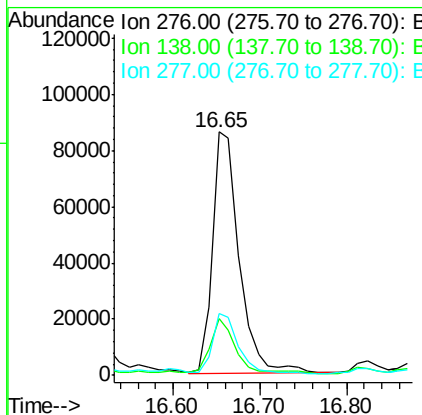
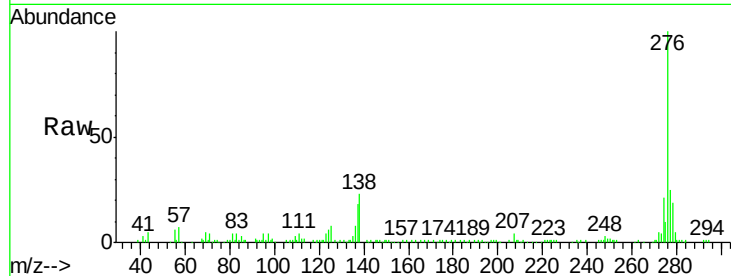




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.84 ng
 RT: 16.65 min Scan# 1270
 Delta R.T. -0.06 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

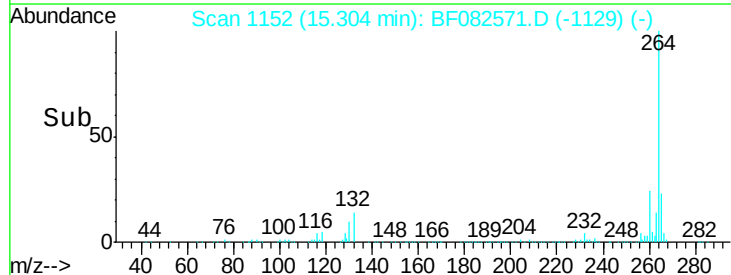
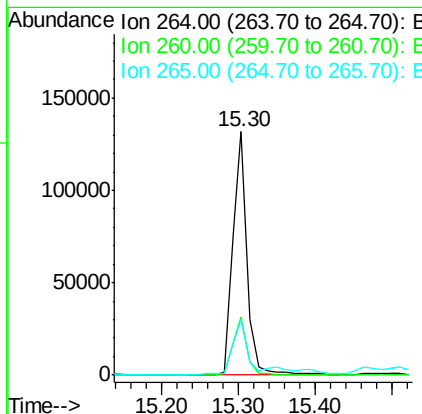
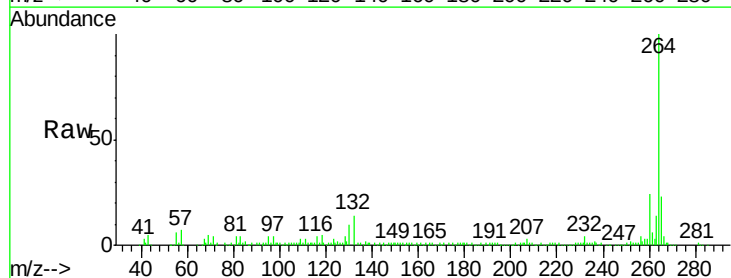
Instrument :
 BNA_F
 ClientSampleId :
 S4-BOILERROOM2.5FTDEEP

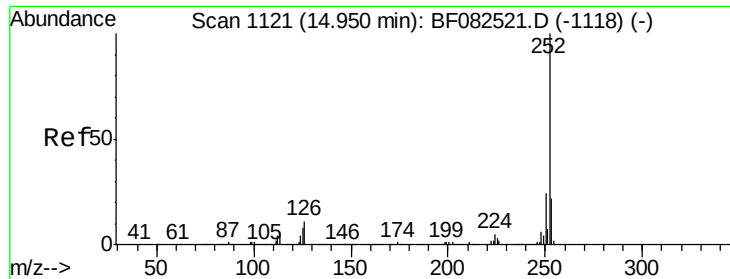
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	20.6	30.8#
277	24.3	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1152
 Delta R.T. -0.03 min
 Lab File: BF082571.D
 Acq: 28 Oct 2015 3:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.7	17.8	26.6

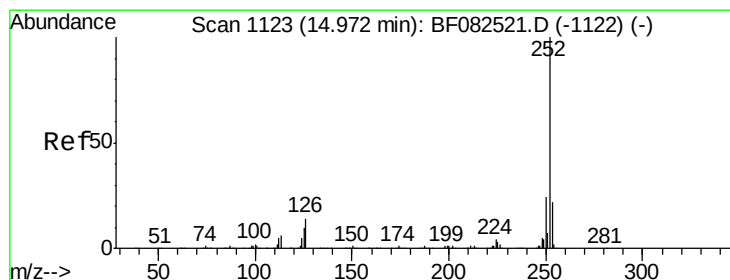
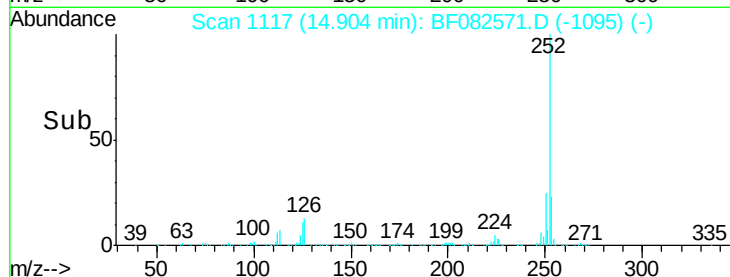
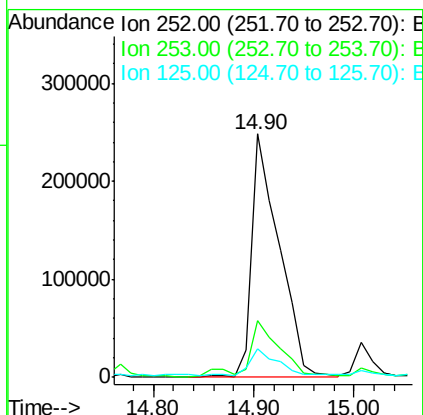
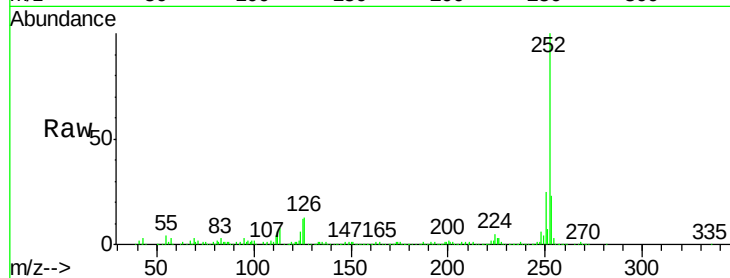




#87
Benzo(b)fluoranthene
Concen: 44.93 ng
RT: 14.90 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

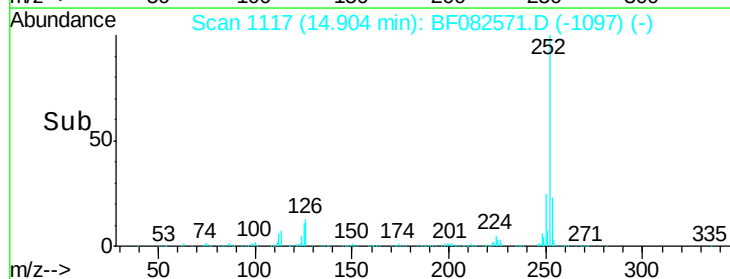
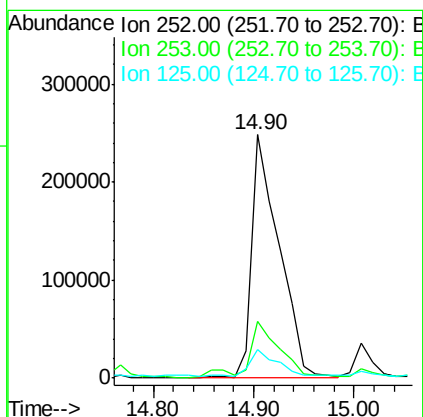
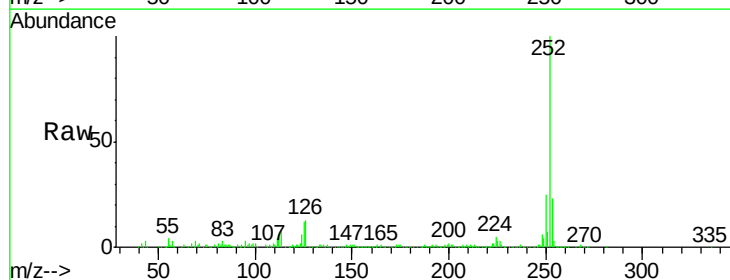
Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

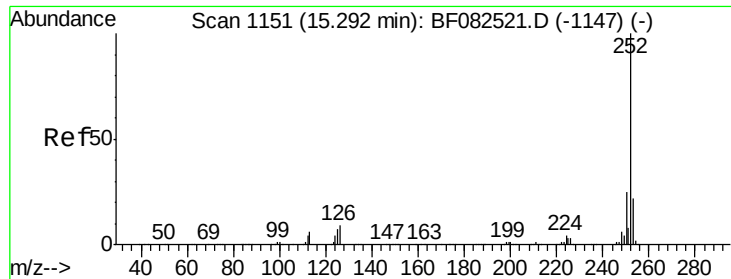
Tgt Ion:252 Resp: 468075
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.5 6.6 10.0#



#88
Benzo(k)fluoranthene
Concen: 55.11 ng
RT: 14.90 min Scan# 1117
Delta R.T. -0.07 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:252 Resp: 468075
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.5 8.7 13.1

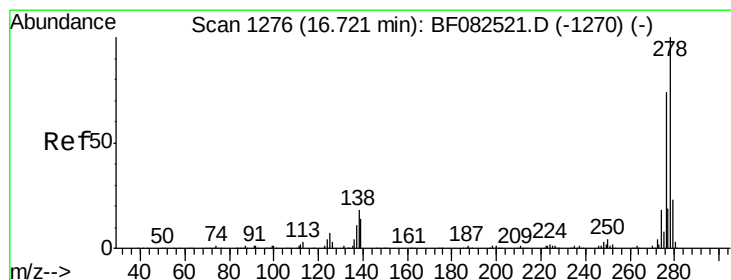
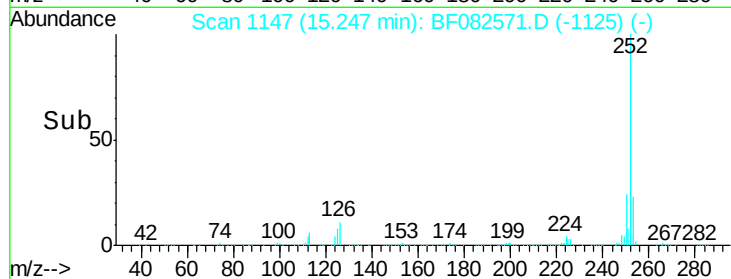
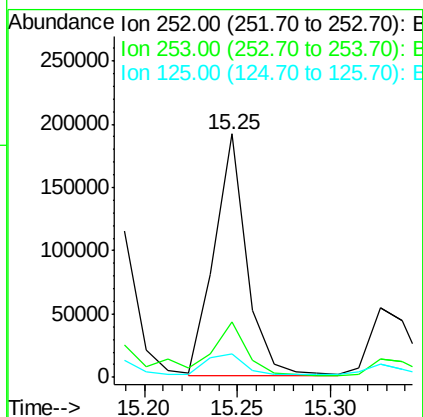
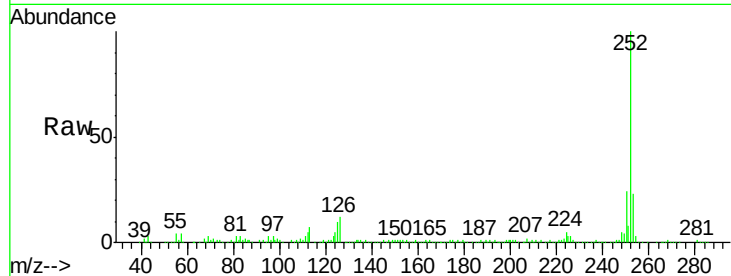




#89
Benzo(a)pyrene
Concen: 25.72 ng
RT: 15.25 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

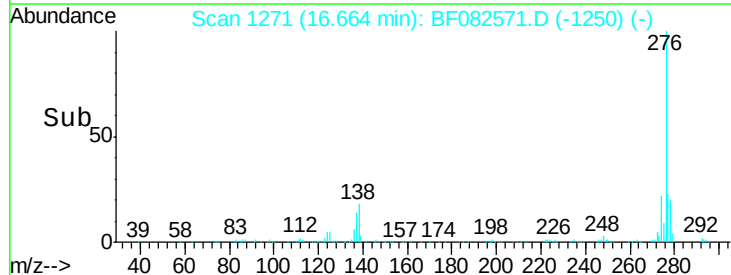
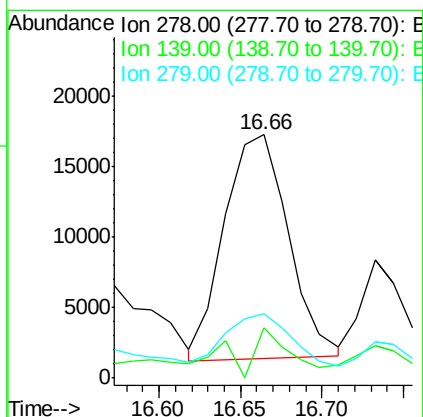
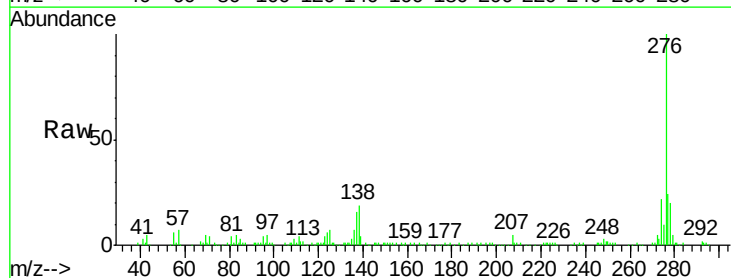
Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

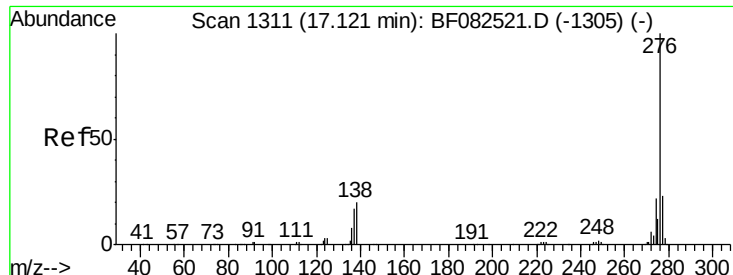
Tgt Ion: 252 Resp: 232120
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 9.6 5.9 8.9#



#90
Dibenzo(a,h)anthracene
Concen: 5.76 ng
RT: 16.66 min Scan# 1271
Delta R.T. -0.06 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion: 278 Resp: 43512
Ion Ratio Lower Upper
278 100
139 20.7 11.6 17.4#
279 26.4 18.7 28.1





#91

Benzo(g,h,i)perylene

Concen: 22.97 ng

RT: 17.06 min Scan# 1306

Delta R.T. -0.06 min

Lab File: BF082571.D

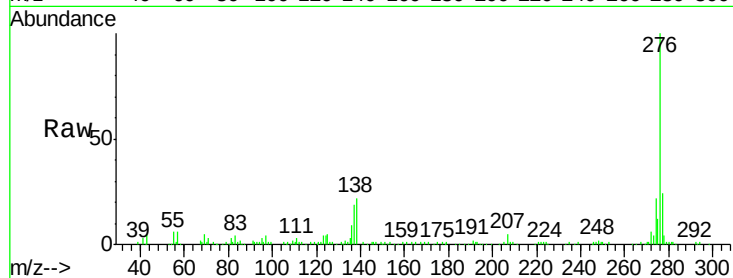
Acq: 28 Oct 2015 3:37

Instrument :

BNA_F

ClientSampleId :

S4-BOILERROOM2.5FTDEEP



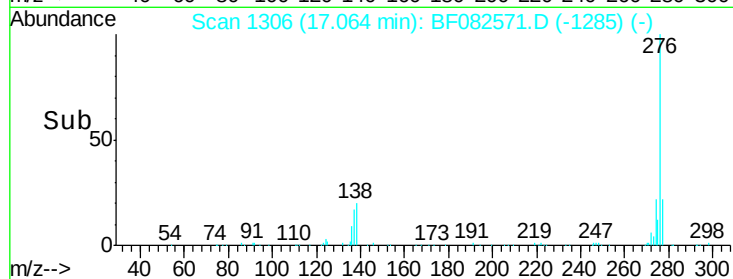
Tgt Ion: 276 Resp: 171598

Ion Ratio Lower Upper

276 100

277 23.5 18.3 27.5

138 21.9 16.0 24.0



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

