

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082608.D
 Acq On : 31 Oct 2015 8:48
 Operator : UM/IZ
 Sample : G4178-05DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEPDL

Quant Time: Nov 02 00:24:48 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	6.90	152	184031	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	737216	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	371854	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	610414	20.00	ng	0.00
75) Chrysene-d12	14.09	240	337798	20.00	ng	0.01
86) Perylene-d12	15.56	264	436610	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	376814	30.84	ng	-0.01
7) Phenol-d6	6.52	99	531248	32.73	ng	-0.01
23) Nitrobenzene-d5	7.46	82	374578	20.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	112248	27.58	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	553454	21.13	ng	-0.01
78) Terphenyl-d14	13.02	244	422984	27.40	ng	0.00

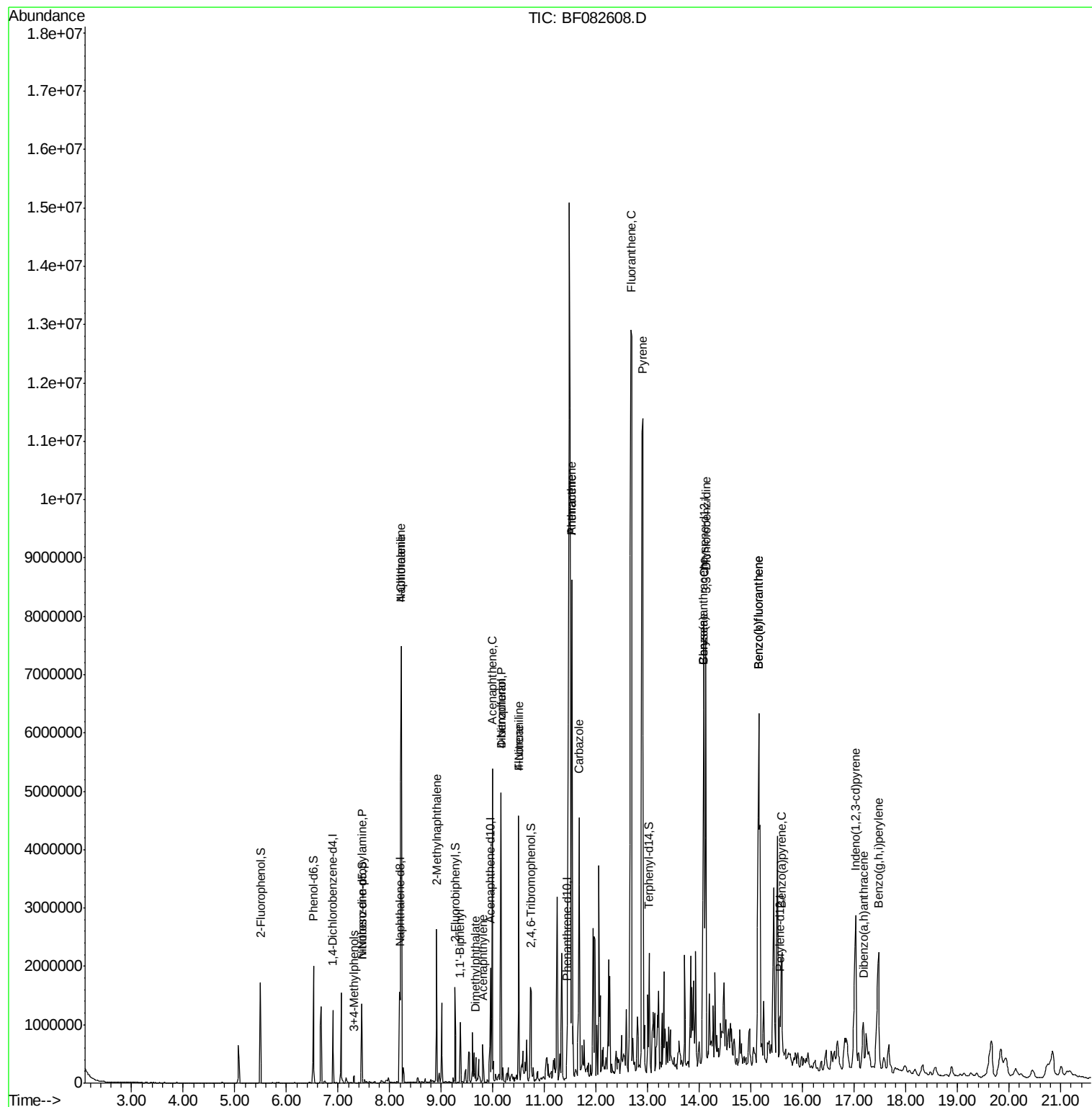
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	54352	4.42	ng	# 71
20) 3+4-Methylphenols	7.31	107	33229	2.27	ng	# 61
31) Naphthalene	8.22	128	3946521	98.93	ng	96
33) 4-Chloroaniline	8.22	127	609965	35.82	ng	# 30
37) 2-Methylnaphthalene	8.91	142	699840	27.07	ng	97
45) 1,1'-Biphenyl	9.37	154	254443	8.10	ng	96
48) Acenaphthylene	9.80	152	243295	6.20	ng	98
49) Dimethylphthalate	9.66	163	144760	4.77	ng	97
51) Acenaphthene	9.98	154	1042255	41.85	ng	99
54) Dibenzofuran	10.16	168	1547949	45.81	ng	98
55) 4-Nitrophenol	10.16	139	708506	134.46	ng	# 2
57) Fluorene	10.50	166	1164627	42.73	ng	100
61) 4-Nitroaniline	10.50	138	15767	2.36	ng	# 7
70) Phenanthrene	11.53	178	2385471	69.29	ng	96
71) Anthracene	11.53	178	2385471	68.82	ng	95
72) Carbazole	11.66	167	2493831	82.59	ng	99
74) Fluoranthene	12.68	202	9718871	276.14	ng	90
77) Pyrene	12.90	202	7499856	299.83	ng	# 88
80) Benzo(a)anthracene	14.08	228	3965649	184.81	ng	96
81) 3,3'-Dichlorobenzidine	14.12	252	29481	3.99	ng	# 1
82) Chrysene	14.08	228	3965649	203.90	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	2517789	156.87	ng	# 96
87) Benzo(b)fluoranthene	15.15	252	5448872	180.99	ng	# 95
88) Benzo(k)fluoranthene	15.15	252	5448872	237.57	ng	# 94
89) Benzo(a)pyrene	15.60	252	968202	40.84	ng	98
90) Dibenzo(a,h)anthracene	17.17	278	495092	22.38	ng	98
91) Benzo(g,h,i)perylene	17.47	276	2251511	105.02	ng	98

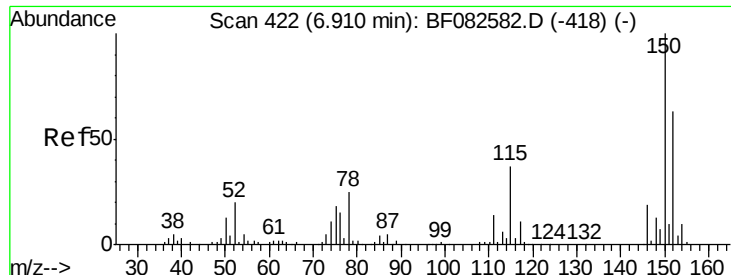
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

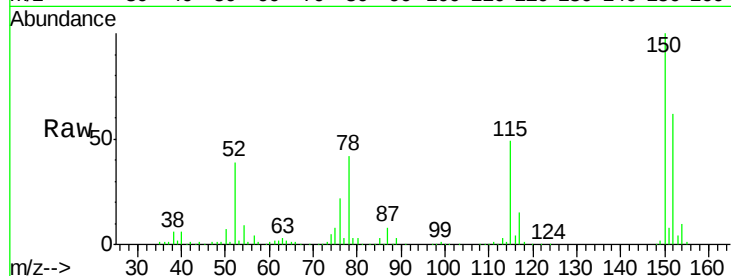
Tgt Ion:152 Resp: 184031

Ion Ratio Lower Upper

152 100

150 161.7 127.0 190.4

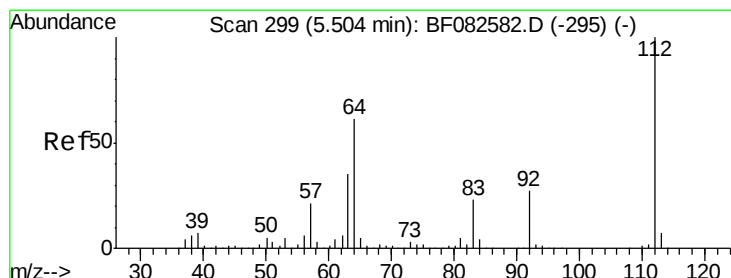
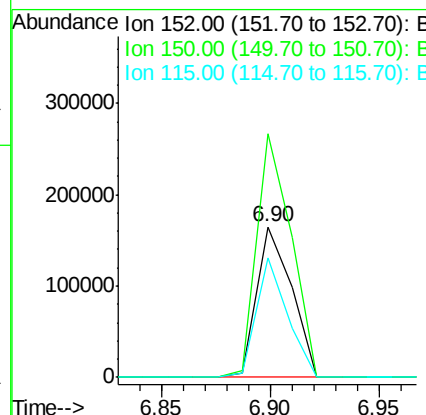
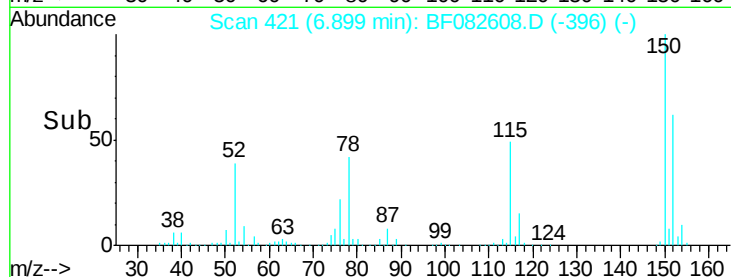
115 79.6 47.0 70.6#



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: 30.84 ng

RT: 5.49 min Scan# 298

Delta R.T. -0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

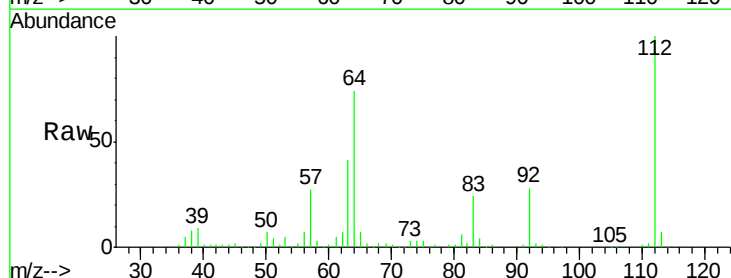
Tgt Ion:112 Resp: 376814

Ion Ratio Lower Upper

112 100

64 74.5 48.9 73.3#

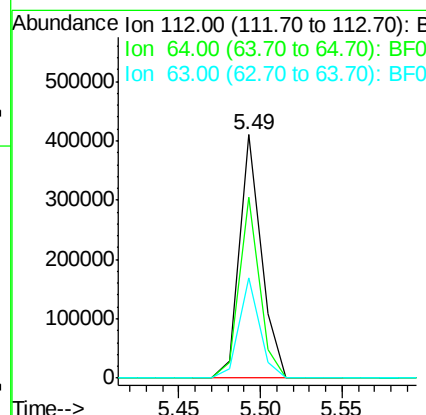
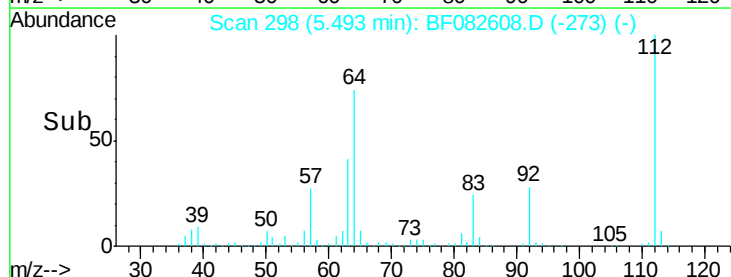
63 41.4 28.1 42.1



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: 32.73 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

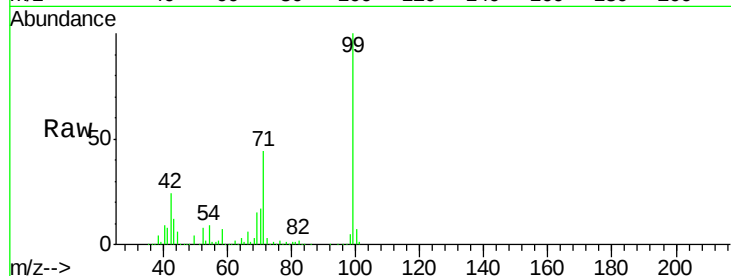
Tgt Ion: 99 Resp: 531248

Ion Ratio Lower Upper

99 100

42 24.0 19.2 28.8

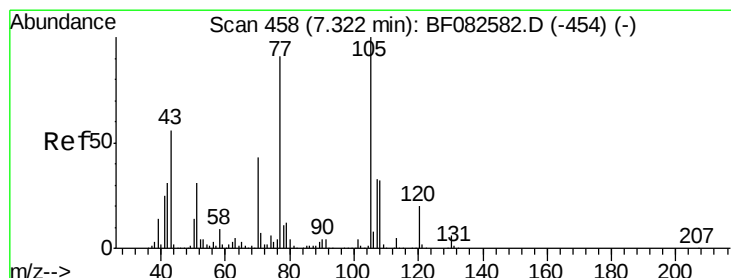
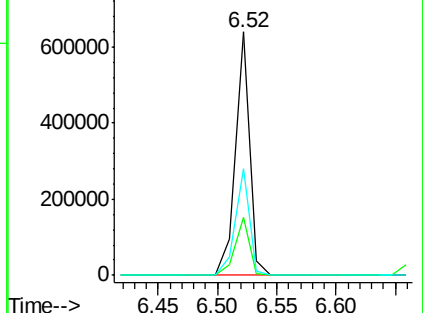
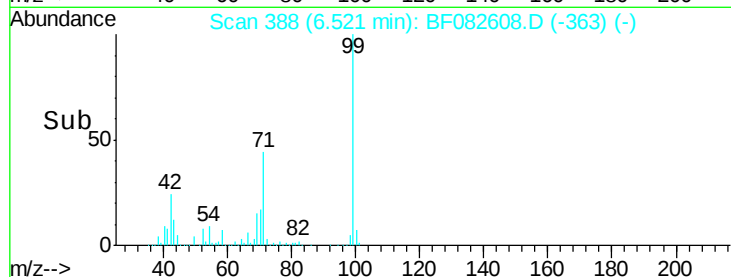
71 43.7 35.0 52.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.42 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Tgt Ion: 70 Resp: 54352

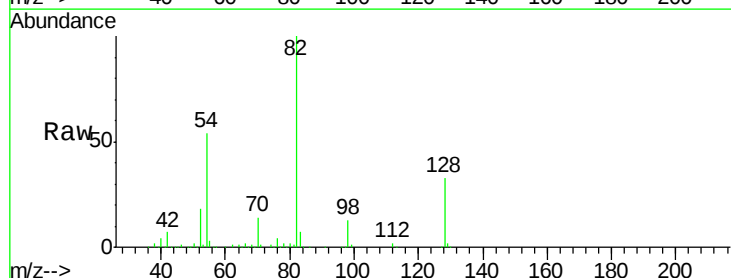
Ion Ratio Lower Upper

70 100

42 47.5 57.7 86.5#

101 0.0 7.0 10.6#

130 1.8 11.8 17.6#

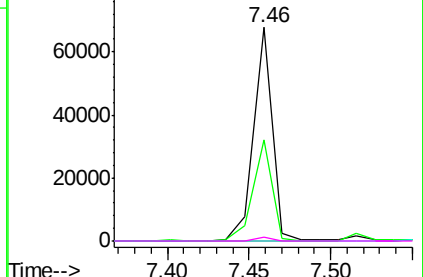
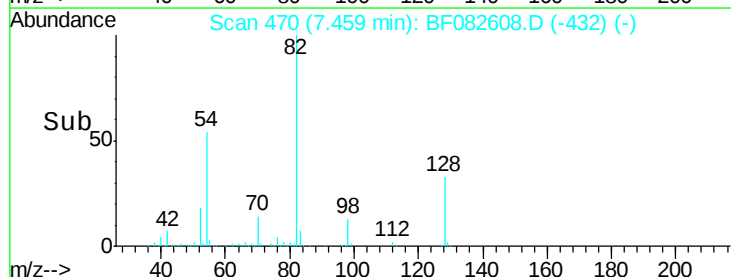


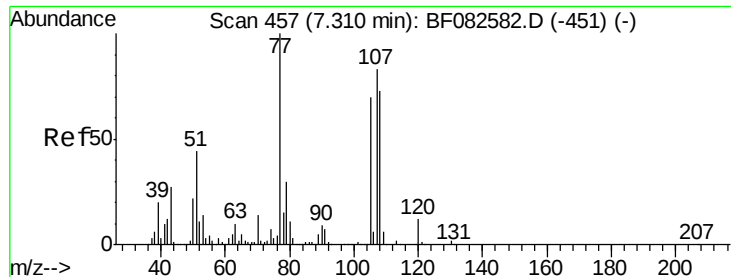
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#20

3+4-Methylphenols

Concen: 2.27 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

Tgt Ion:107 Resp: 33229

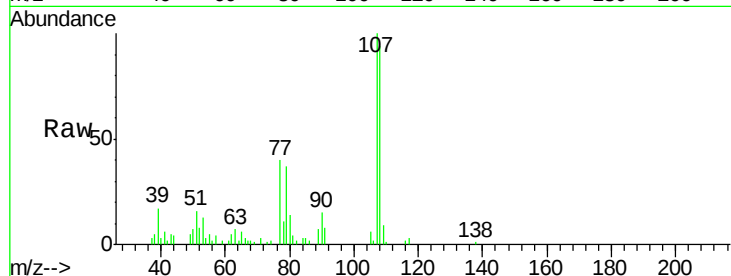
Ion Ratio Lower Upper

107 100

108 94.2 67.3 107.3

77 39.5 100.3 140.3#

79 36.7 16.2 56.2

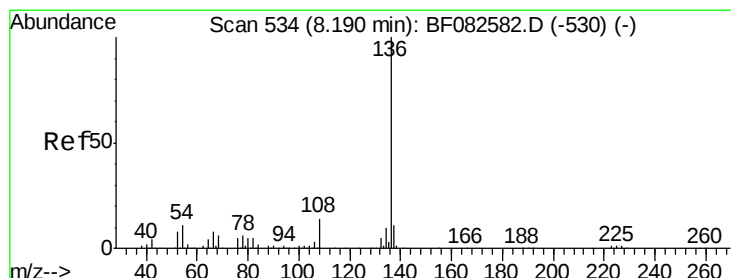
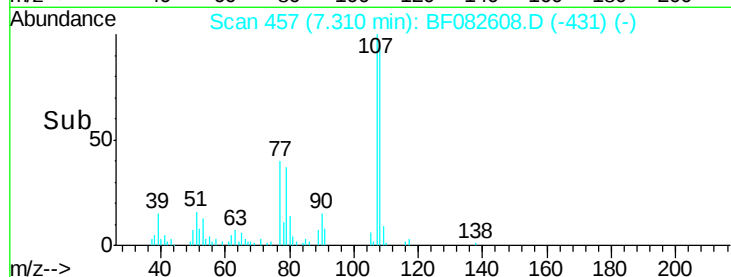
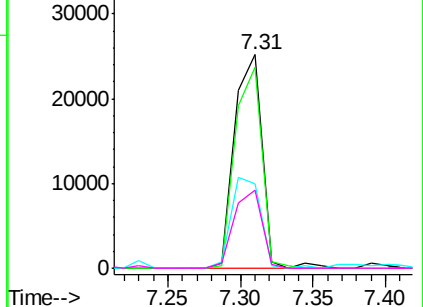


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Tgt Ion:136 Resp: 737216

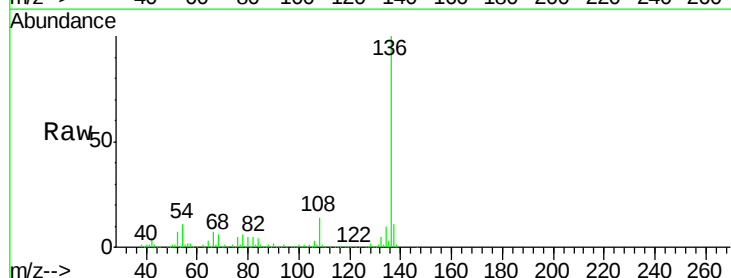
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 10.7 9.1 13.7

68 5.9 4.8 7.2

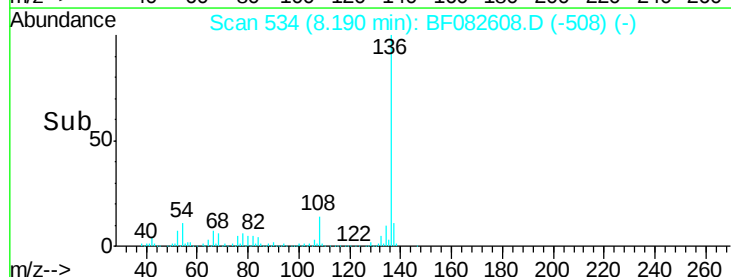
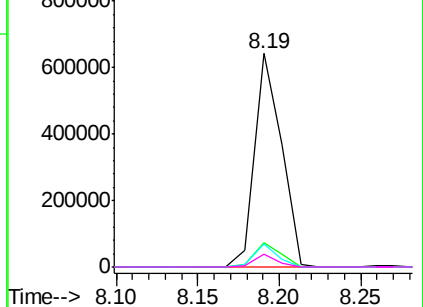


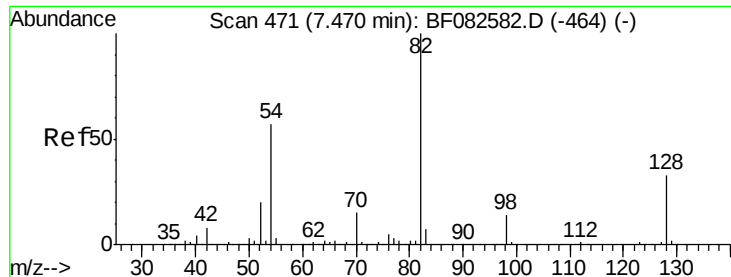
Abundance Ion 136.00 (135.70 to 136.70): E

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

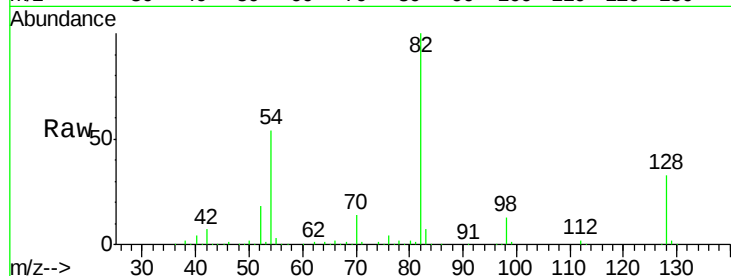




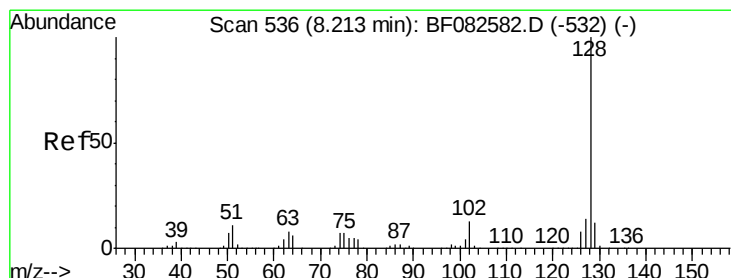
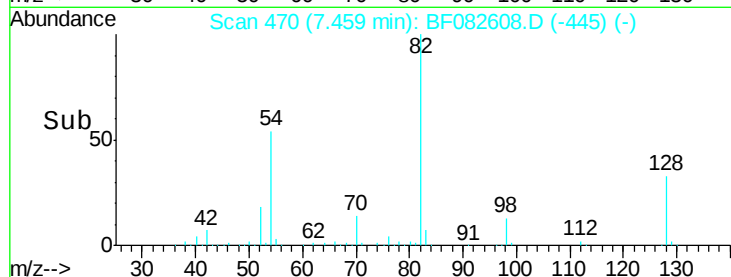
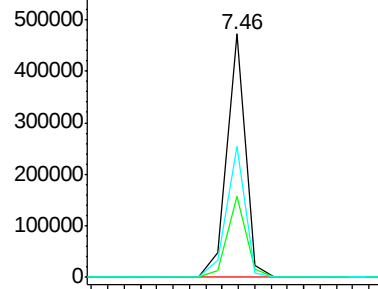
#23
Nitrobenzene-d5
Concen: 20.75 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF082608.D
Acq: 31 Oct 2015 8:48

Instrument :
BNA_F
ClientSampleId :
S5-BOILERROOM2.5FTDEEPL

Tgt Ion: 82 Resp: 374578
Ion Ratio Lower Upper
82 100
128 33.1 26.8 40.2
54 53.8 45.7 68.5

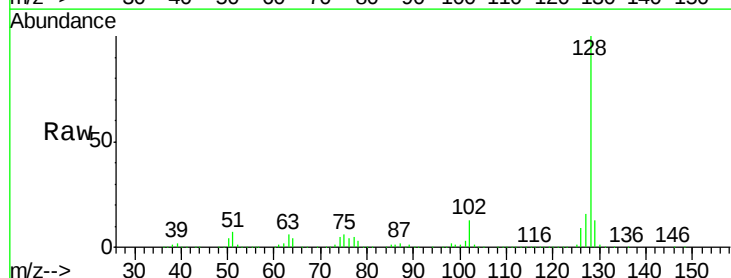


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

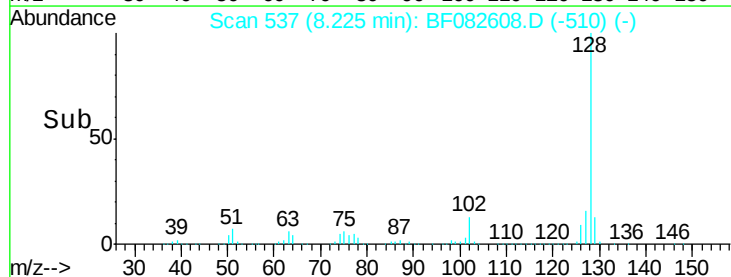
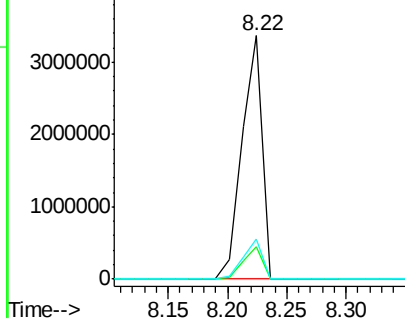


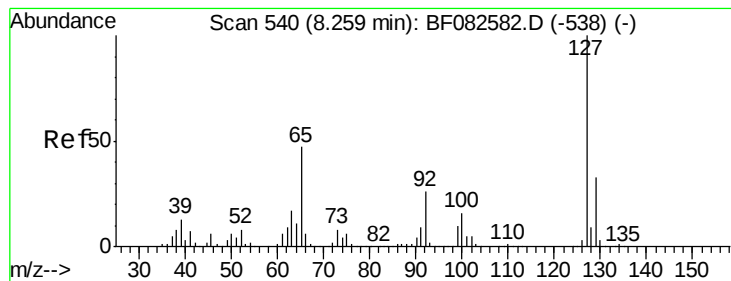
#31
Naphthalene
Concen: 98.93 ng
RT: 8.22 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF082608.D
Acq: 31 Oct 2015 8:48

Tgt Ion: 128 Resp: 3946521
Ion Ratio Lower Upper
128 100
129 13.2 9.5 14.3
127 16.4 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: 35.82 ng

RT: 8.22 min Scan# 537

Delta R.T. -0.03 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

Tgt Ion:127 Resp: 609965

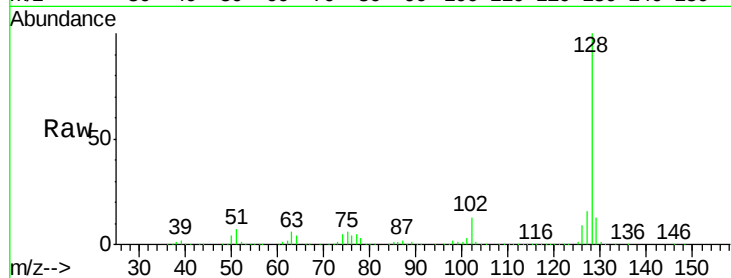
Ion Ratio Lower Upper

127 100

129 80.9 26.3 39.5#

65 0.0 37.8 56.8#

92 0.0 20.6 31.0#

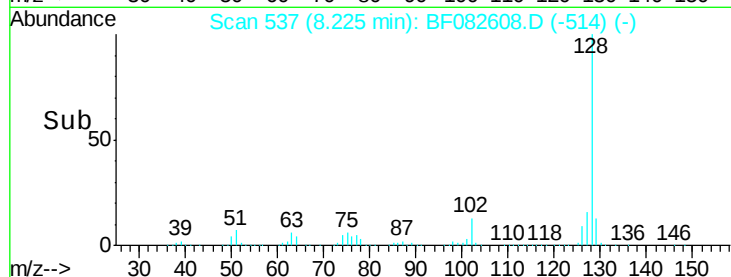


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

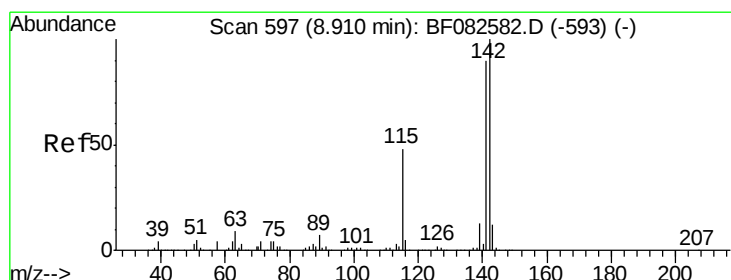
Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



Time-->

8.15 8.20 8.25 8.30



#37

2-Methylnaphthalene

Concen: 27.07 ng

RT: 8.91 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

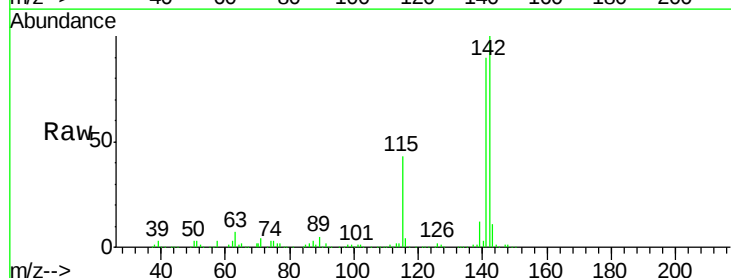
Tgt Ion:142 Resp: 699840

Ion Ratio Lower Upper

142 100

141 89.9 72.3 108.5

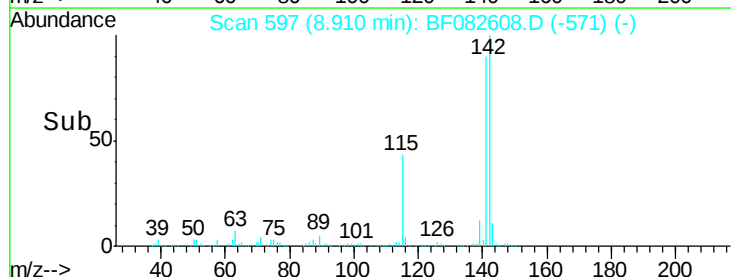
115 42.9 38.1 57.1



Abundance Ion 142.00 (141.70 to 142.70): E

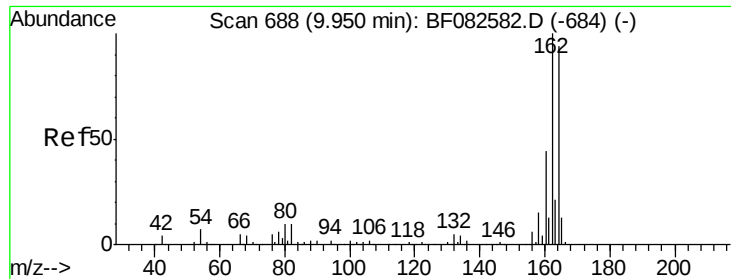
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->

8.85 8.90 8.95



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF082608.D

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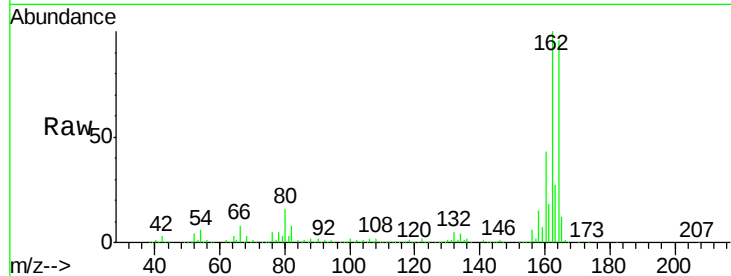
Tgt Ion:164 Resp: 371854

Ion Ratio Lower Upper

164 100

162 104.0 84.9 127.3

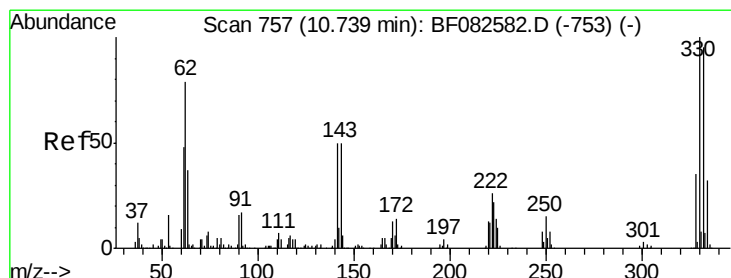
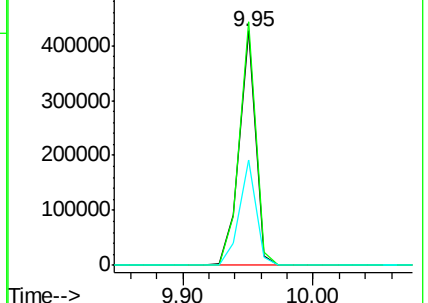
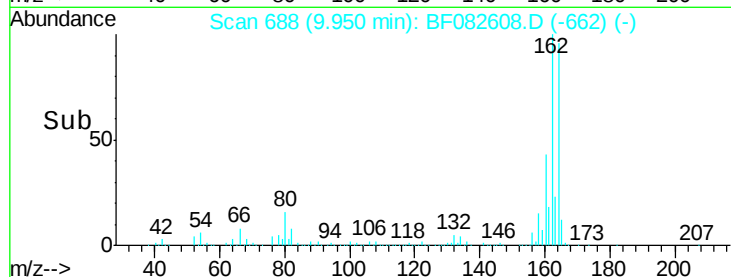
160 45.0 37.5 56.3



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: 27.58 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

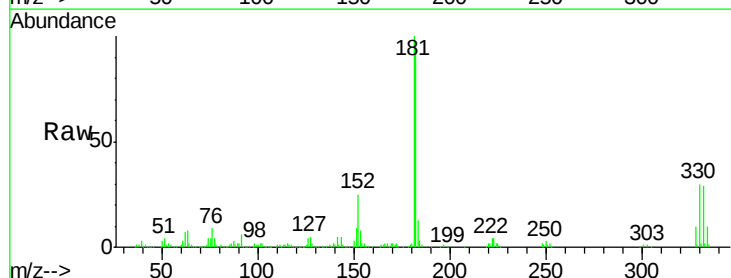
Tgt Ion:330 Resp: 112248

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

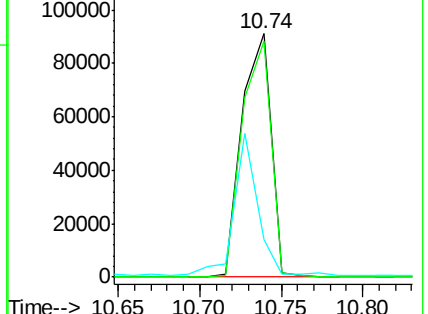
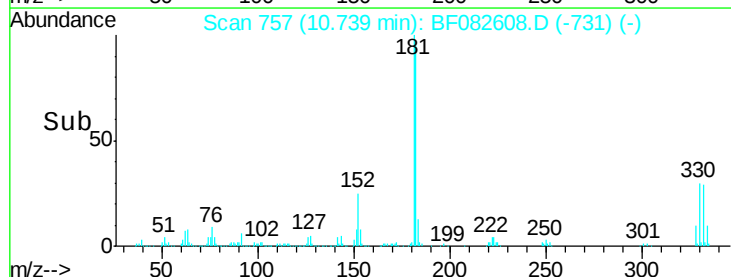
141 47.7 41.2 61.8

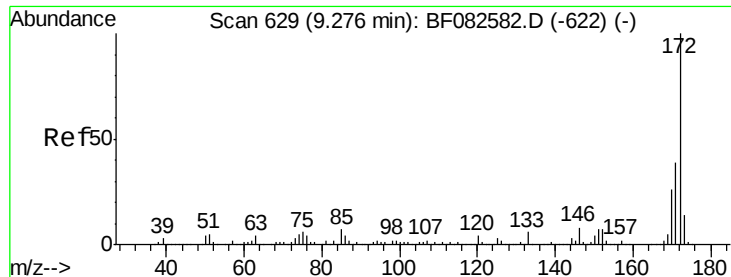


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

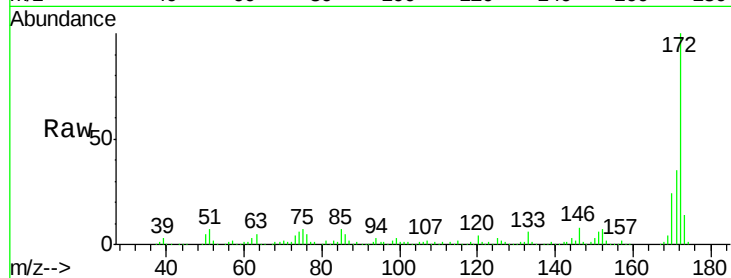




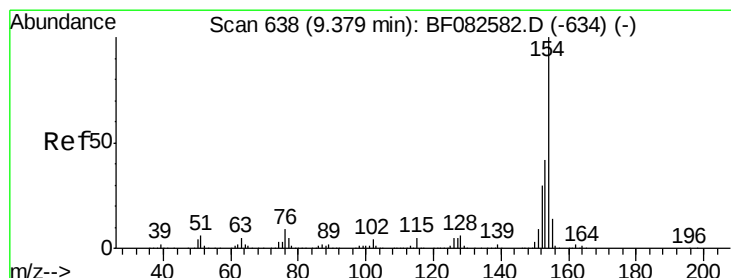
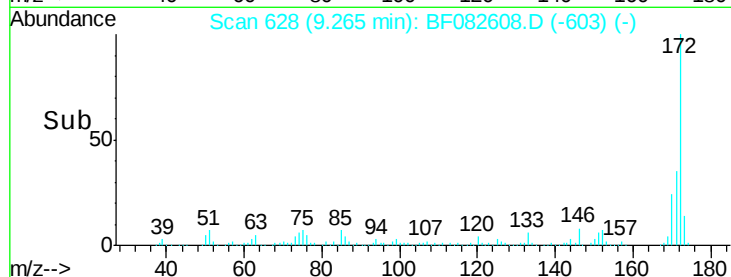
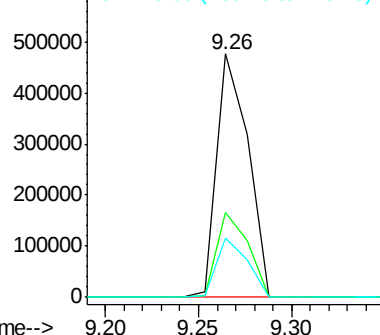
#44
 2-Fluorobiphenyl
 Concen: 21.13 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF082608.D
 Acq: 31 Oct 2015 8:48

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEPL

Tgt Ion:172 Resp: 553454
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.8 46.2
 170 24.3 21.2 31.8

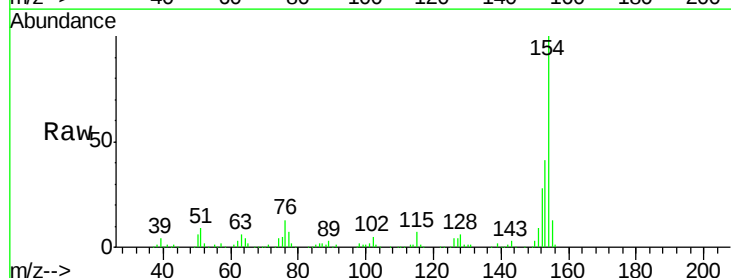


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

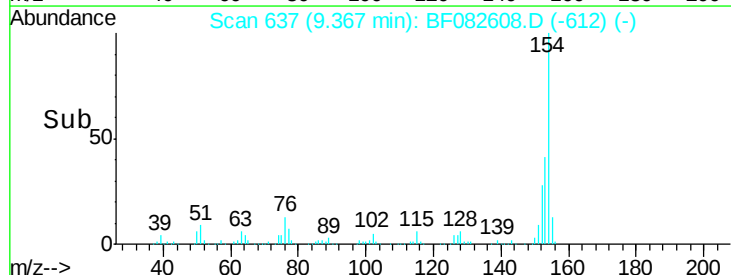
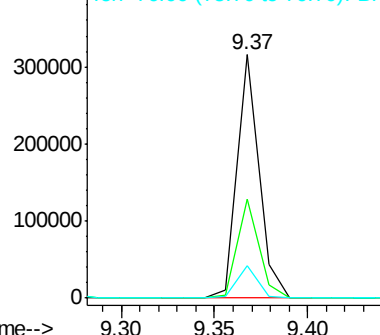


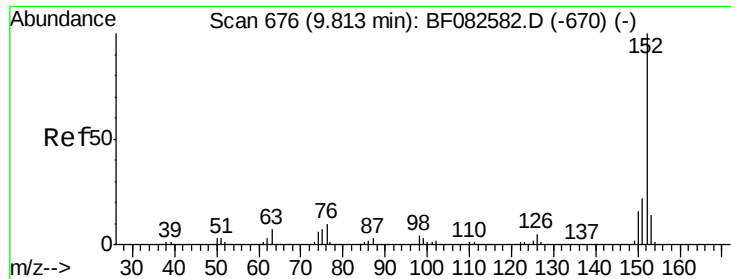
#45
 1,1'-Biphenyl
 Concen: 8.10 ng
 RT: 9.37 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: BF082608.D
 Acq: 31 Oct 2015 8:48

Tgt Ion:154 Resp: 254443
 Ion Ratio Lower Upper
 154 100
 153 40.8 22.0 62.0
 76 13.2 0.0 29.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0





#48

Acenaphthylene

Concen: 6.20 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

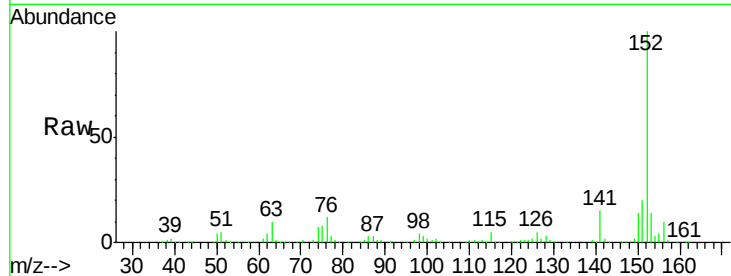
Tgt Ion:152 Resp: 243295

Ion Ratio Lower Upper

152 100

151 20.1 17.3 25.9

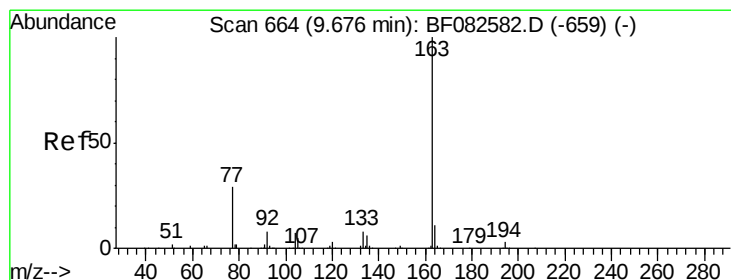
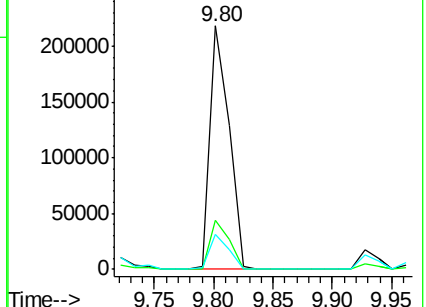
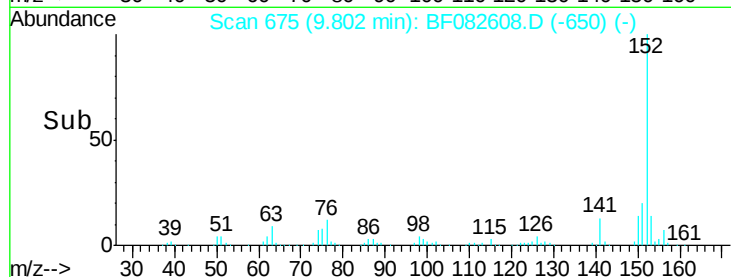
153 14.1 11.3 16.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.77 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

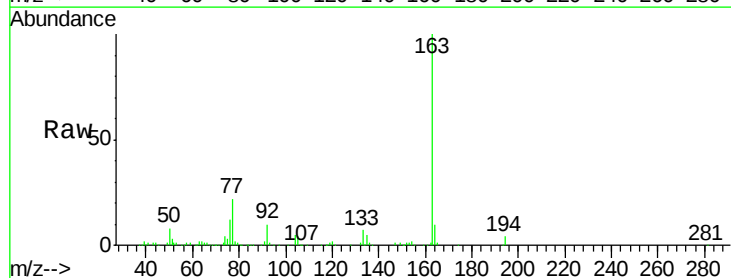
Tgt Ion:163 Resp: 144760

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

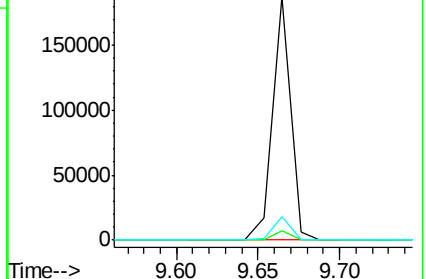
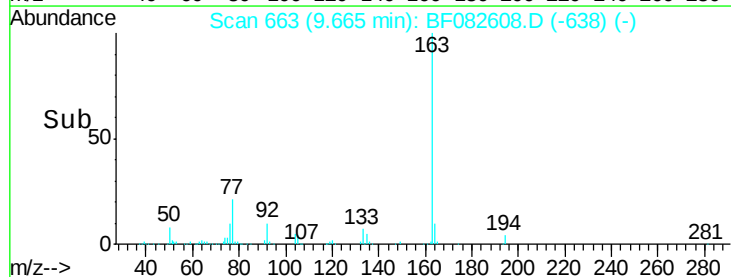
164 9.7 8.7 13.1

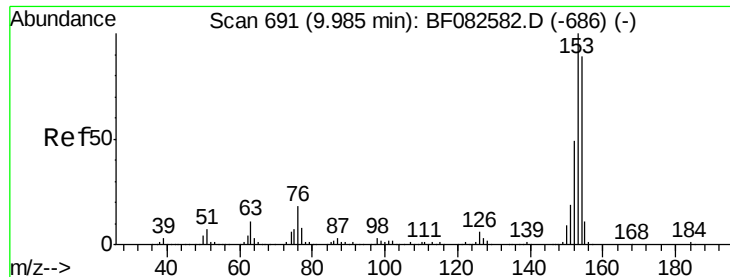


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 41.85 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

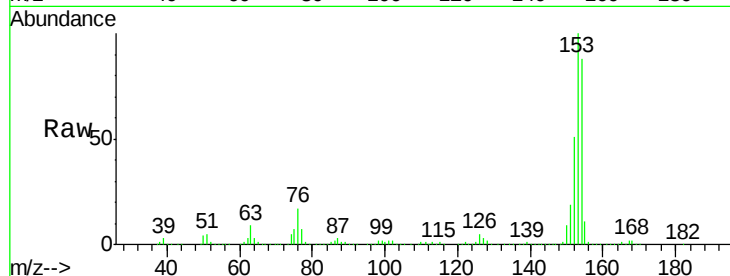
Tgt Ion:154 Resp: 1042255

Ion Ratio Lower Upper

154 100

153 113.1 90.1 135.1

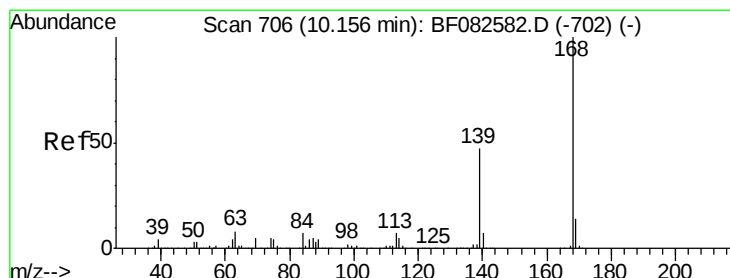
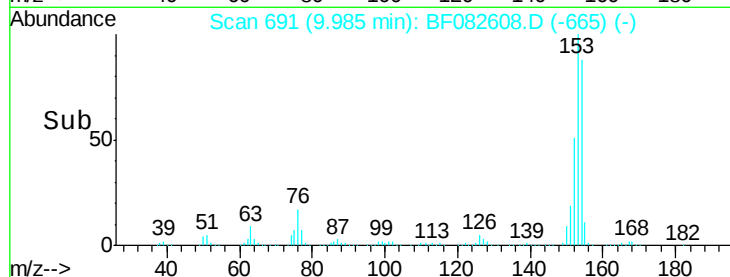
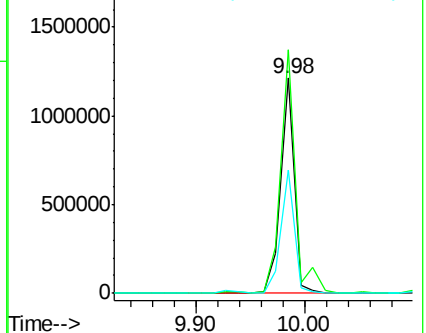
152 57.2 44.3 66.5



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

Dibenzofuran

Concen: 45.81 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

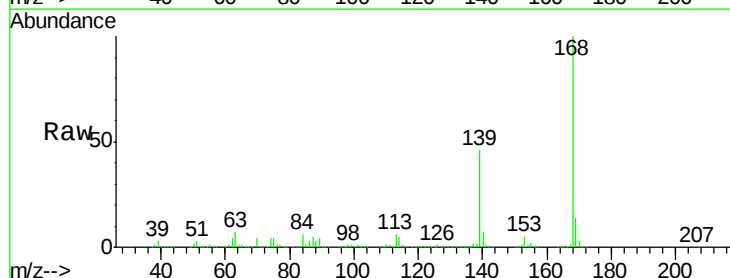
Tgt Ion:168 Resp: 1547949

Ion Ratio Lower Upper

168 100

139 45.5 37.8 56.6

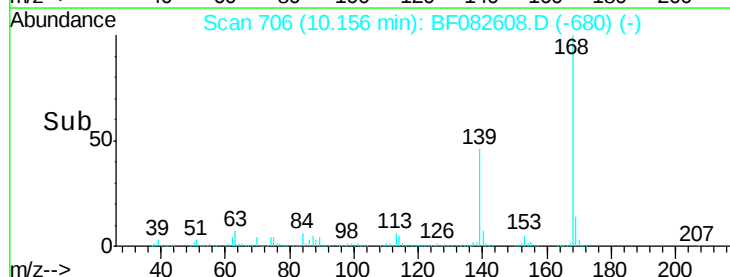
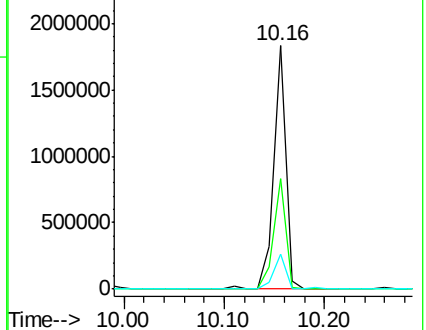
169 14.4 11.3 16.9

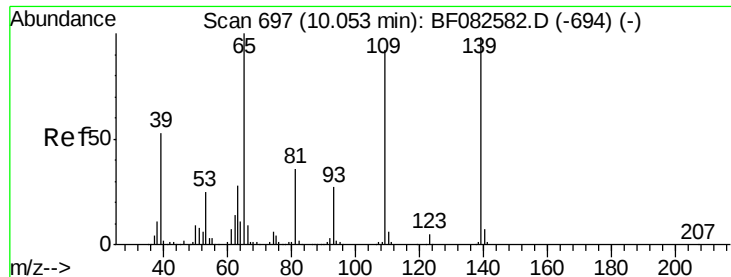


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 134.46 ng

RT: 10.16 min Scan# 706

Delta R.T. 0.10 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

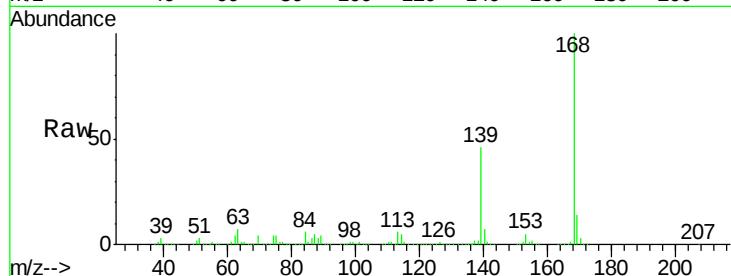
Tgt Ion:139 Resp: 708506

Ion Ratio Lower Upper

139 100

109 1.0 73.7 113.7#

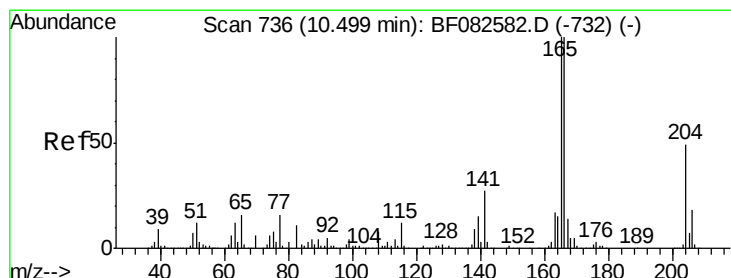
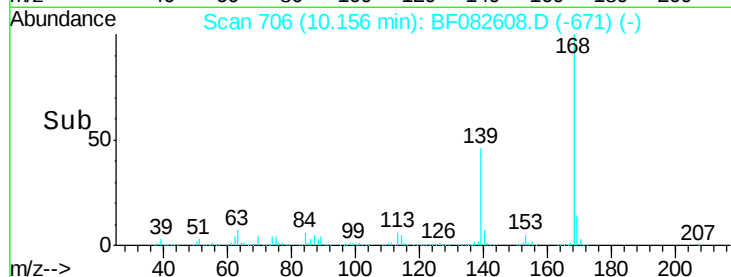
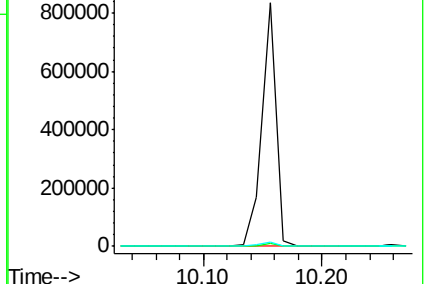
65 1.8 82.9 122.9#



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: 42.73 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

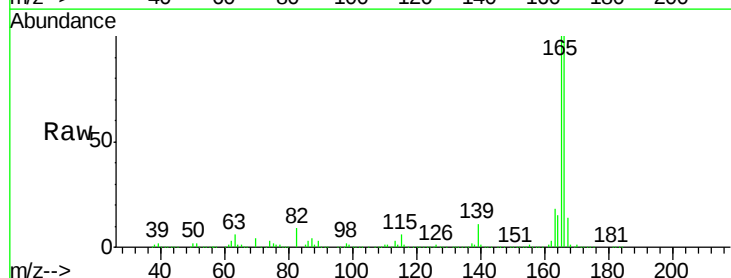
Tgt Ion:166 Resp: 1164627

Ion Ratio Lower Upper

166 100

165 99.9 80.2 120.4

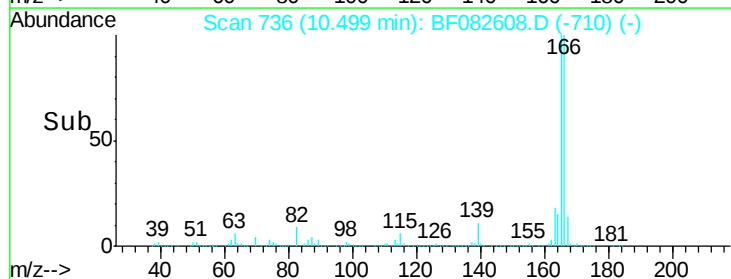
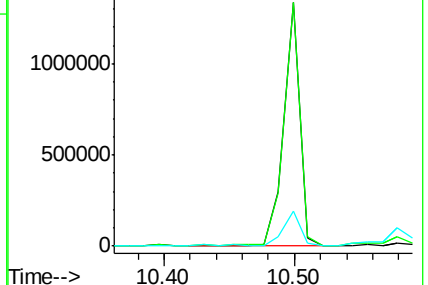
167 14.2 11.2 16.8

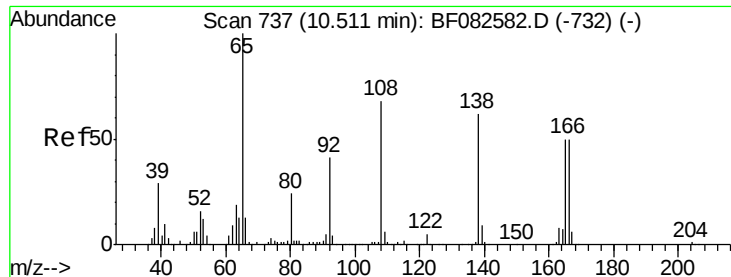


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

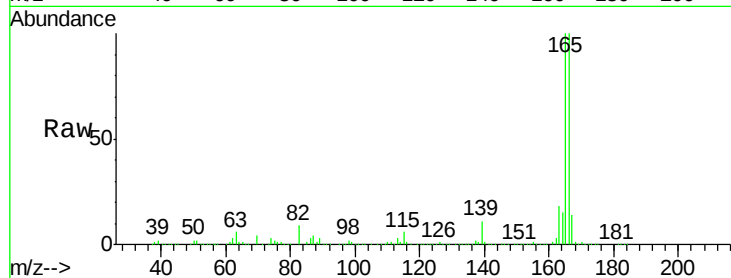




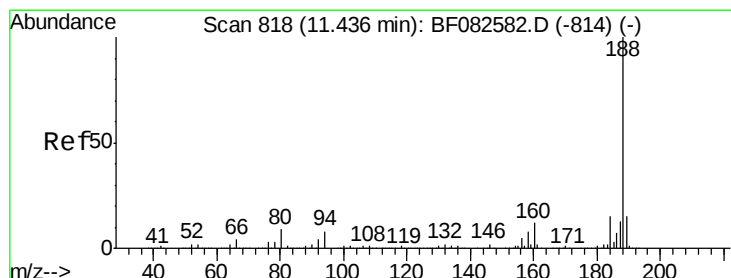
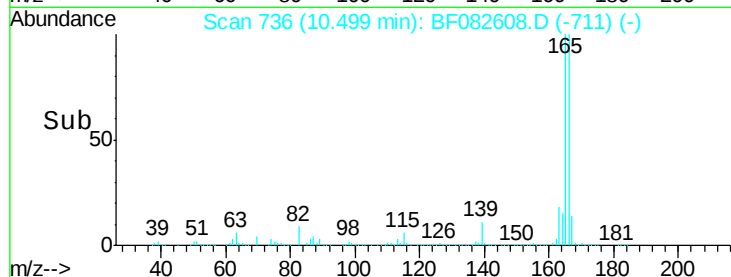
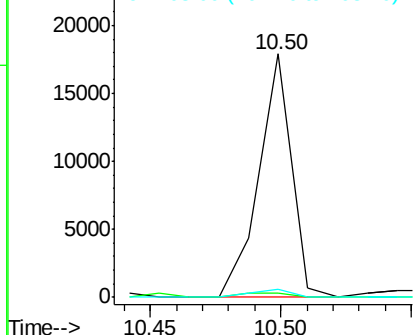
#61
4-Nitroaniline
Concen: 2.36 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF082608.D
Acq: 31 Oct 2015 8:48

Instrument :
BNA_F
ClientSampleId :
S5-BOILERROOM2.5FTDEEPL

Tgt Ion:138 Resp: 15767
Ion Ratio Lower Upper
138 100
92 2.0 45.8 85.8#
108 3.5 89.4 129.4#

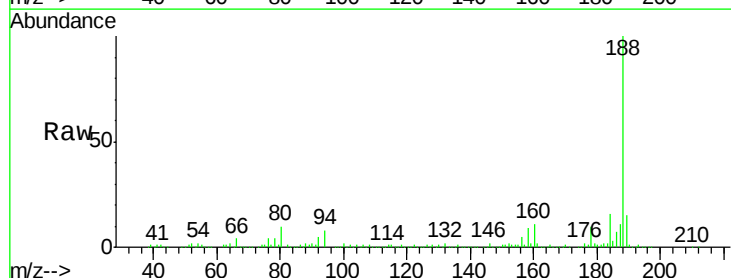


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

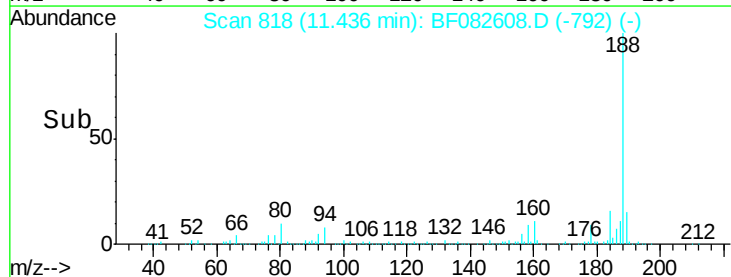
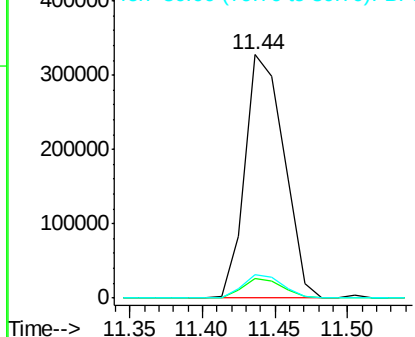


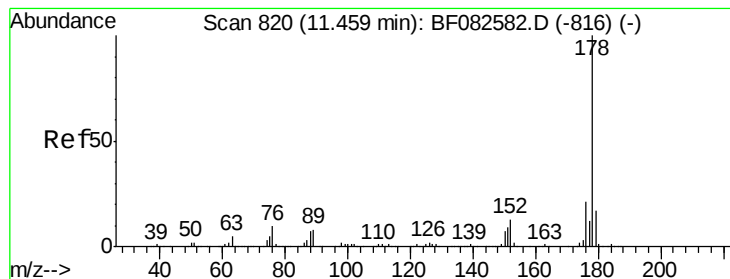
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF082608.D
Acq: 31 Oct 2015 8:48

Tgt Ion:188 Resp: 610414
Ion Ratio Lower Upper
188 100
94 8.1 6.1 9.1
80 9.7 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





#70

Phenanthrene

Concen: 69.29 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.07 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

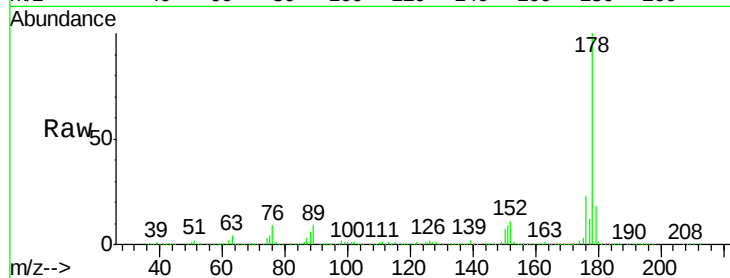
Tgt Ion:178 Resp: 2385471

Ion Ratio Lower Upper

178 100

176 23.1 17.0 25.4

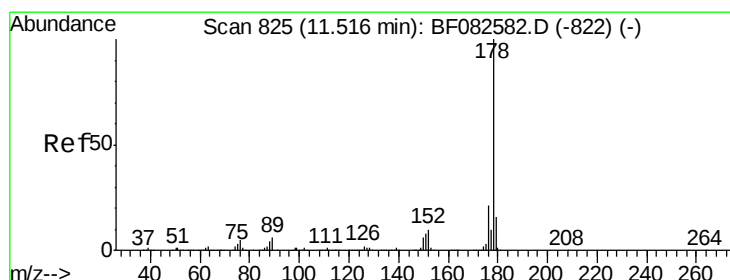
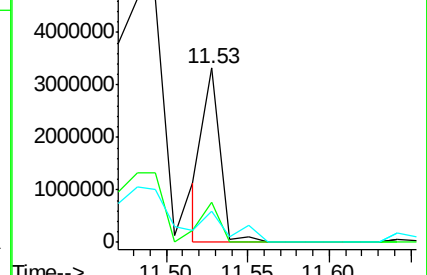
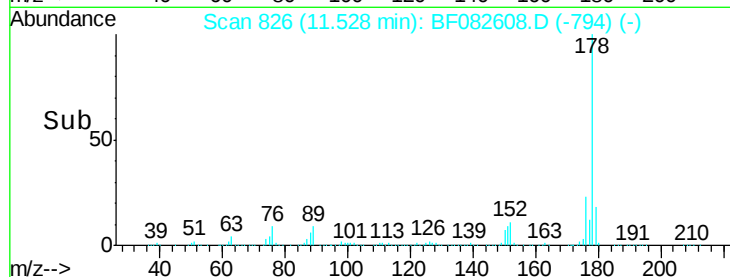
179 18.2 13.4 20.0



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: 68.82 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

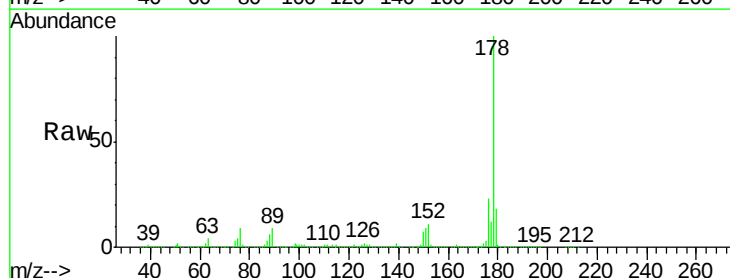
Tgt Ion:178 Resp: 2385471

Ion Ratio Lower Upper

178 100

176 23.1 16.5 24.7

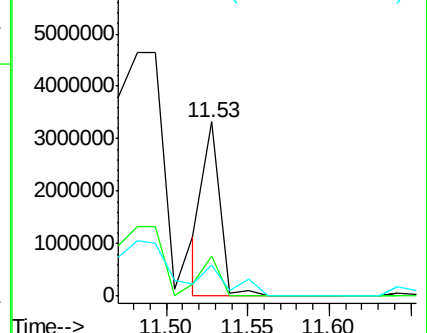
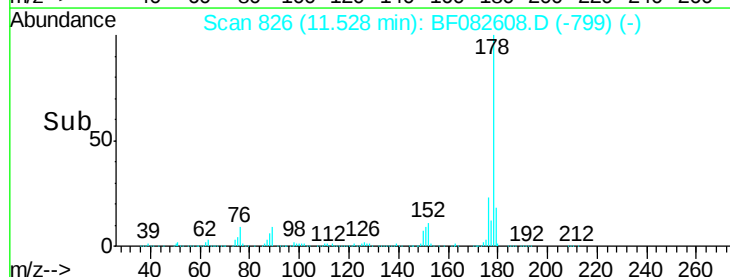
179 18.2 13.2 19.8

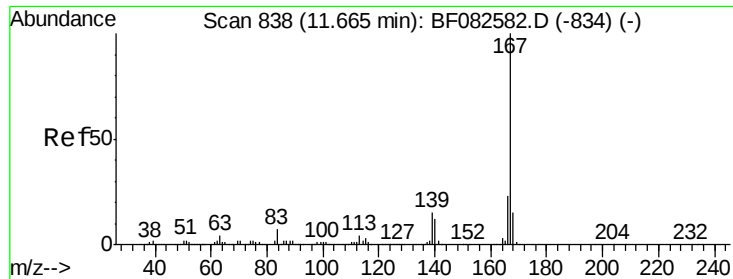


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 82.59 ng

RT: 11.66 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

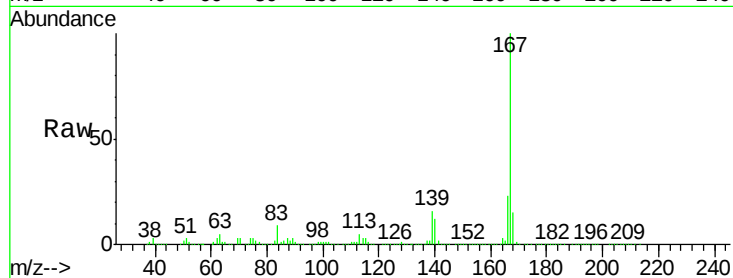
Tgt Ion:167 Resp: 2493831

Ion Ratio Lower Upper

167 100

166 23.5 18.7 28.1

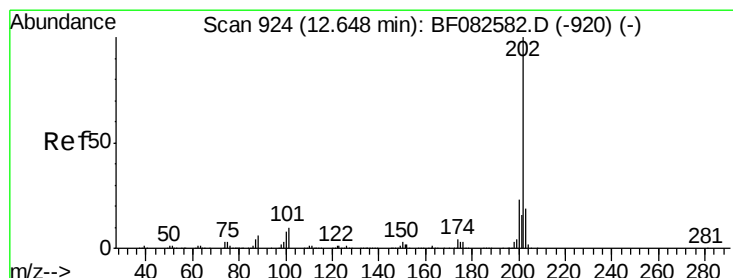
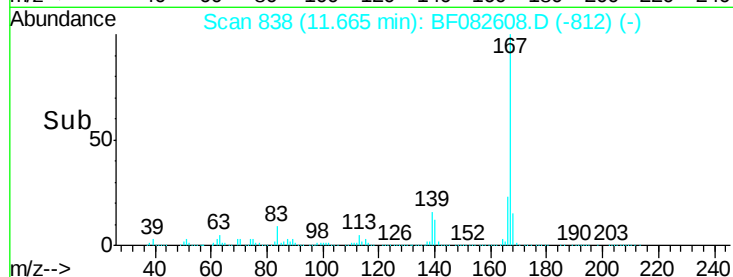
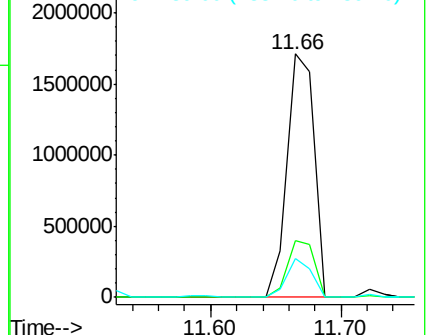
139 16.0 11.8 17.6



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: 276.14 ng

RT: 12.68 min Scan# 927

Delta R.T. 0.03 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

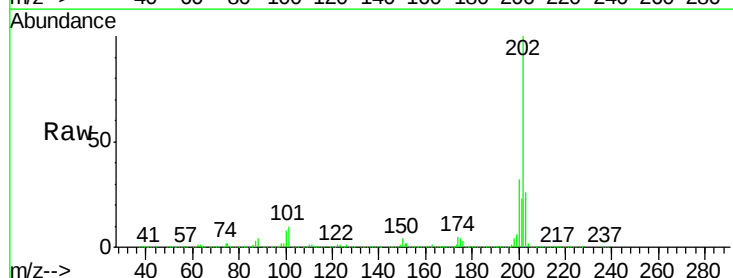
Tgt Ion:202 Resp: 9718871

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.5

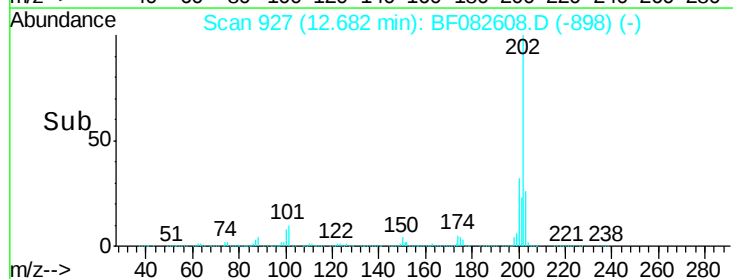
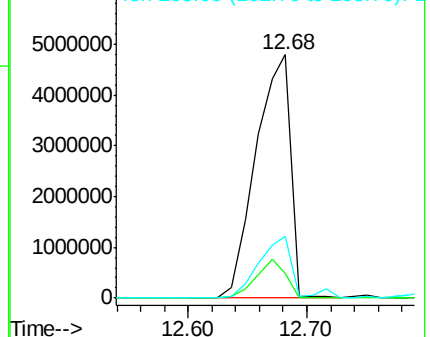
203 25.6 0.0 38.5

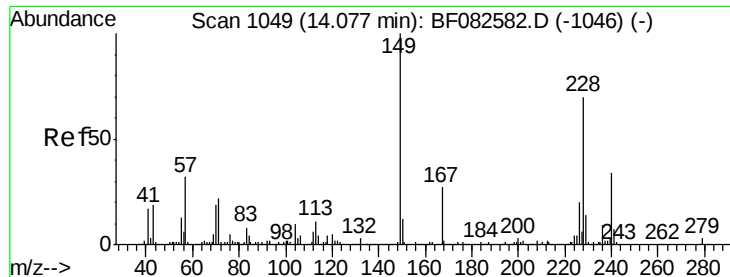


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.09 min Scan# 1050

Delta R.T. 0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

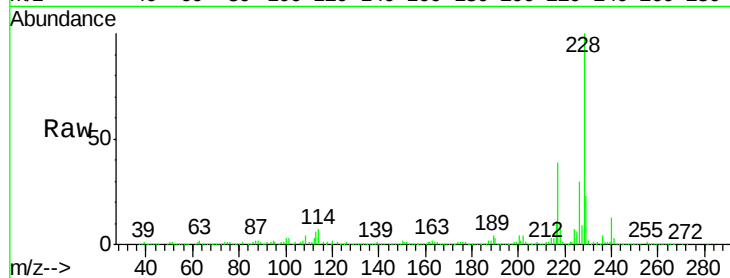
Tgt Ion:240 Resp: 337798

Ion Ratio Lower Upper

240 100

120 12.6 10.9 16.3

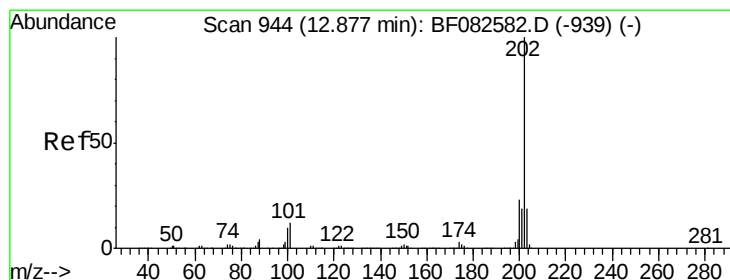
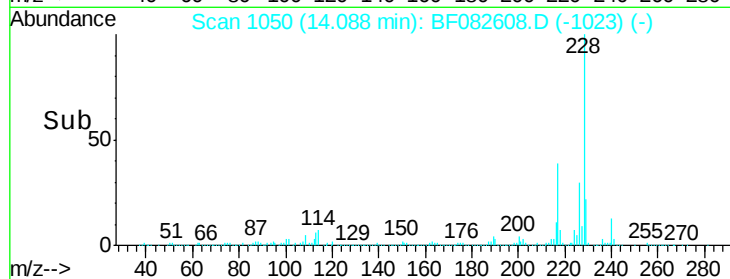
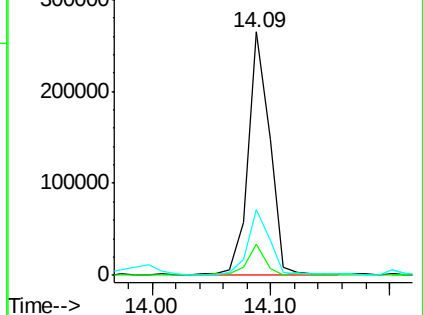
236 27.1 21.6 32.4



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: 299.83 ng

RT: 12.90 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

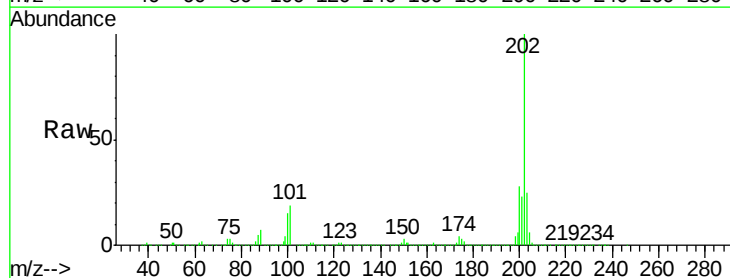
Tgt Ion:202 Resp: 7499856

Ion Ratio Lower Upper

202 100

200 27.8 18.7 28.1

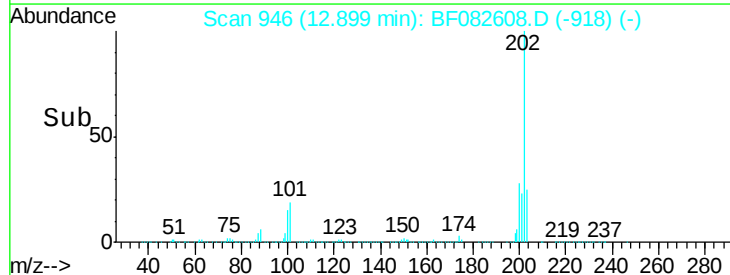
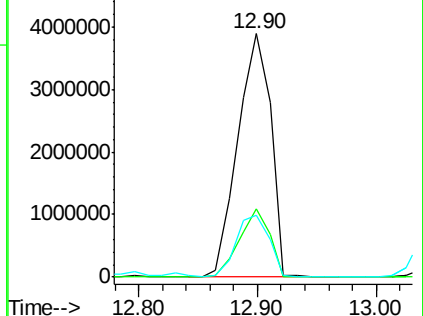
203 25.5 14.8 22.2#

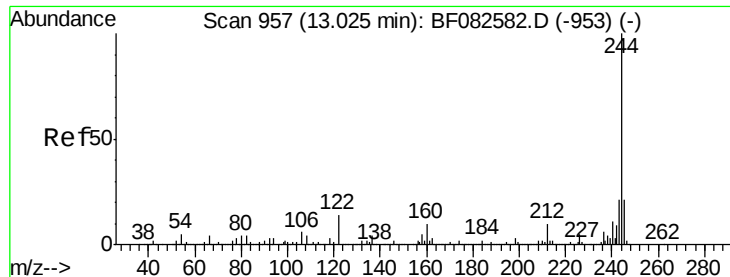


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.40 ng

RT: 13.02 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

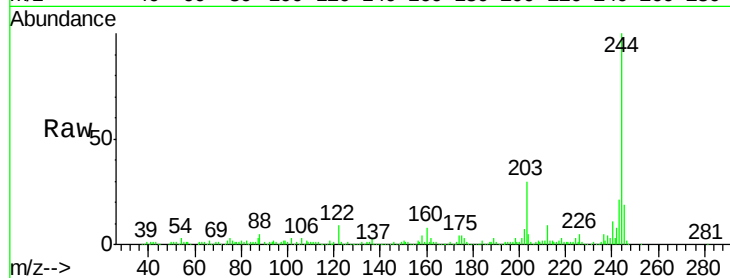
Tgt Ion:244 Resp: 422984

Ion Ratio Lower Upper

244 100

212 8.7 7.6 11.4

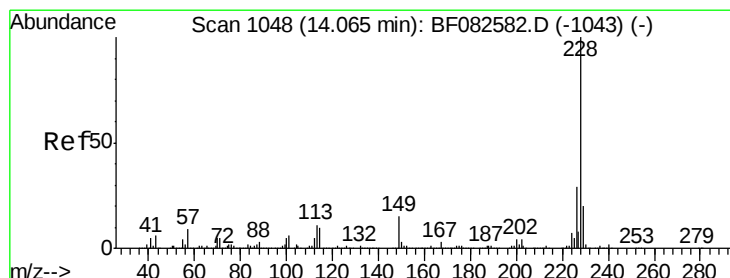
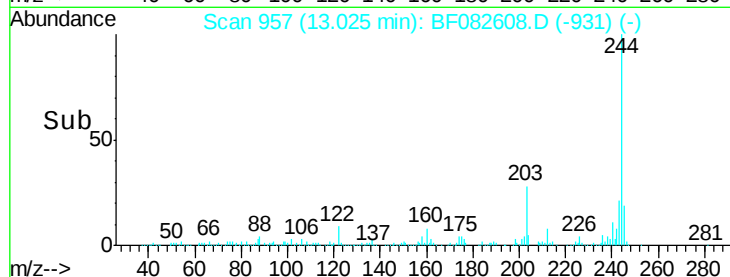
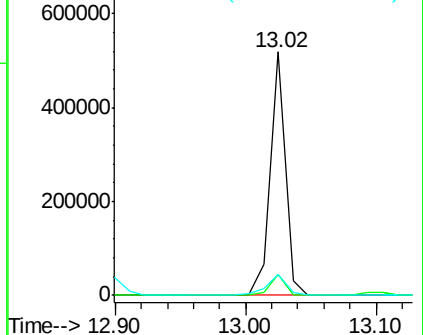
122 8.8 11.3 16.9#



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: 184.81 ng

RT: 14.08 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

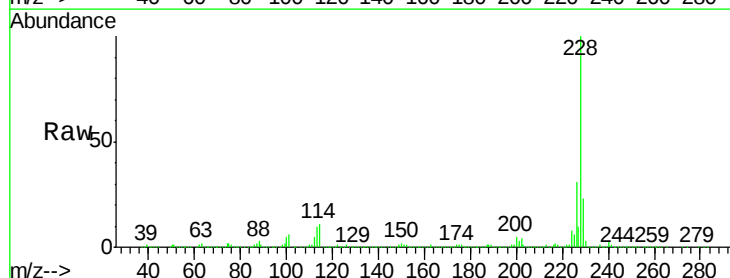
Tgt Ion:228 Resp: 3965649

Ion Ratio Lower Upper

228 100

226 31.2 23.4 35.2

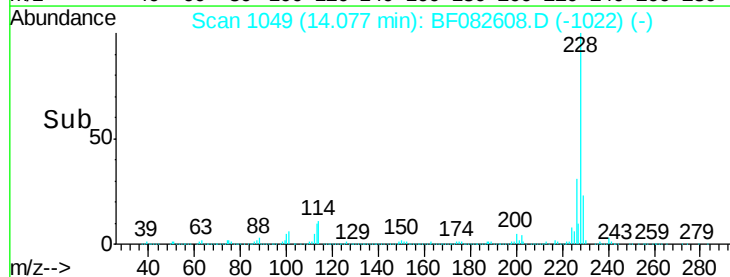
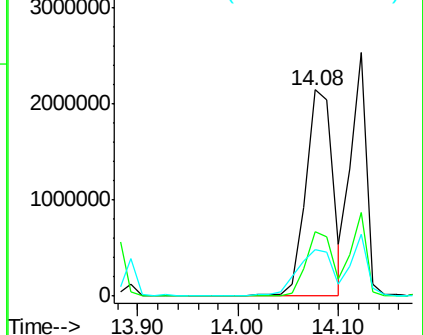
229 22.8 16.3 24.5

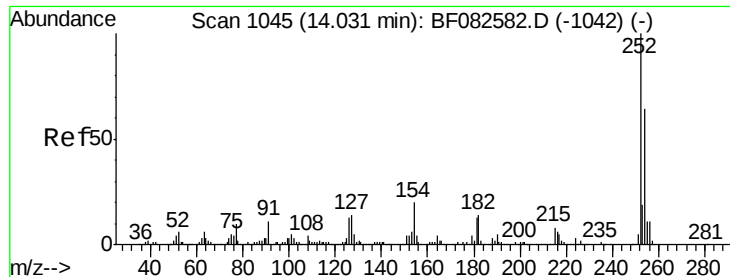


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

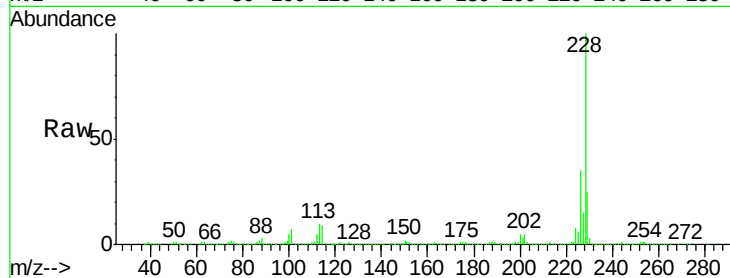




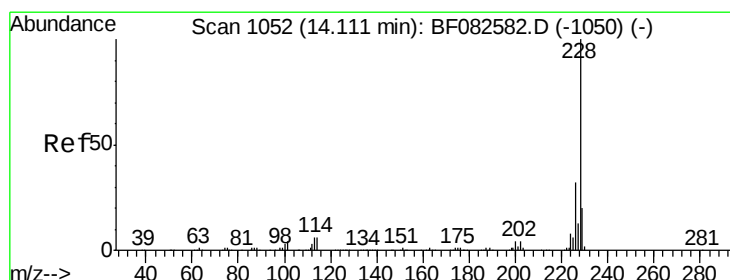
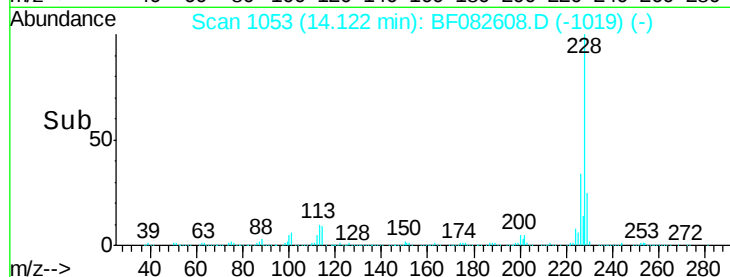
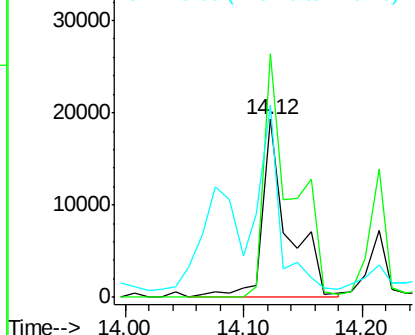
#81
 3,3'-Dichlorobenzidine
 Concen: 3.99 ng
 RT: 14.12 min Scan# 1053
 Delta R.T. 0.09 min
 Lab File: BF082608.D
 Acq: 31 Oct 2015 8:48

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEPL

Tgt Ion:252 Resp: 29481
 Ion Ratio Lower Upper
 252 100
 254 137.0 51.4 77.0#
 126 108.4 10.7 16.1#

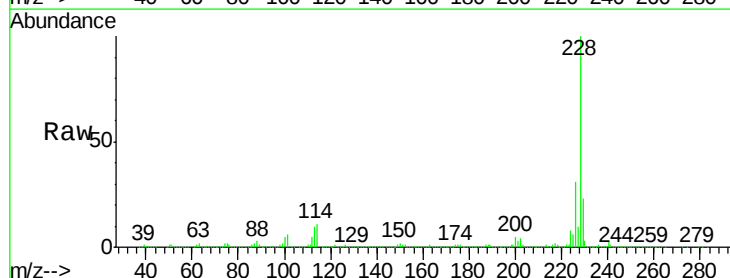


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

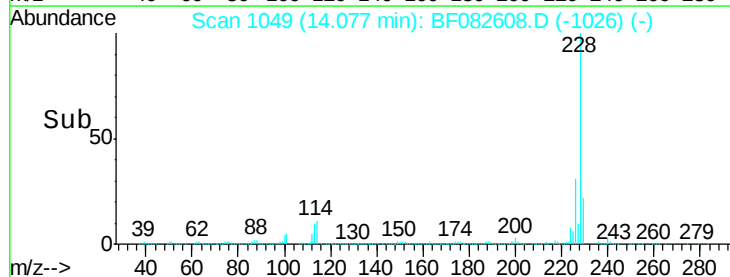
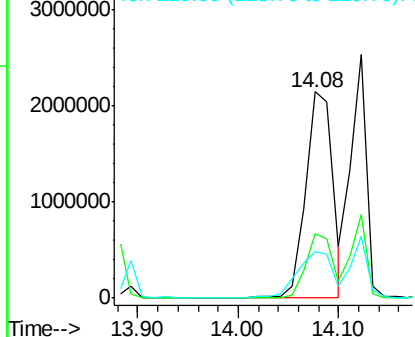


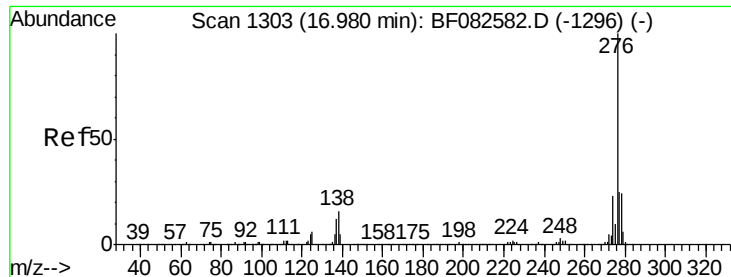
#82
 Chrysene
 Concen: 203.90 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF082608.D
 Acq: 31 Oct 2015 8:48

Tgt Ion:228 Resp: 3965649
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.5 38.3
 229 22.8 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

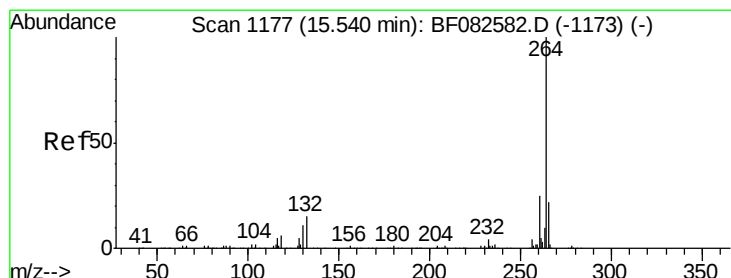
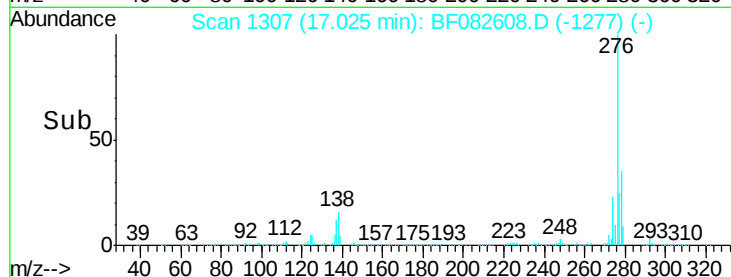
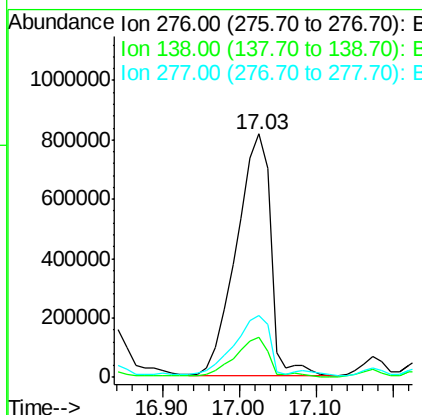
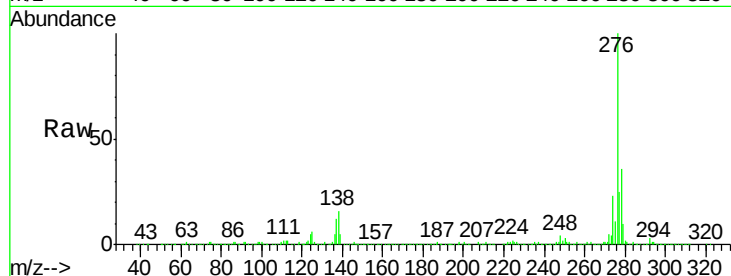




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 156.87 ng
 RT: 17.03 min Scan# 1307
 Delta R.T. 0.05 min
 Lab File: BF082608.D
 Acq: 31 Oct 2015 8:48

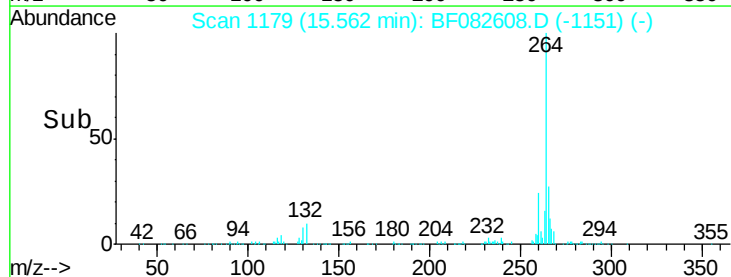
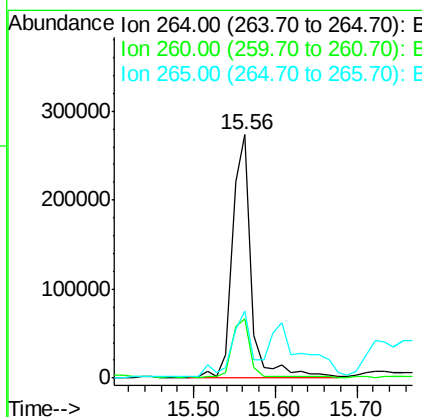
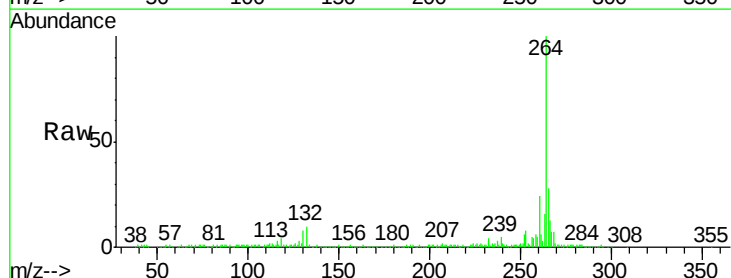
Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEPL

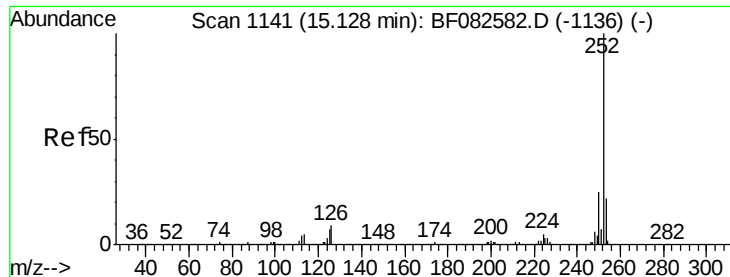
Tgt Ion:276 Resp: 2517789
 Ion Ratio Lower Upper
 276 100
 138 14.9 15.3 22.9#
 277 25.3 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.56 min Scan# 1179
 Delta R.T. 0.02 min
 Lab File: BF082608.D
 Acq: 31 Oct 2015 8:48

Tgt Ion:264 Resp: 436610
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.6
 265 27.6 17.4 26.0#





#87

Benzo(b)fluoranthene

Concen: 180.99 ng

RT: 15.15 min Scan# 1143

Delta R.T. 0.02 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

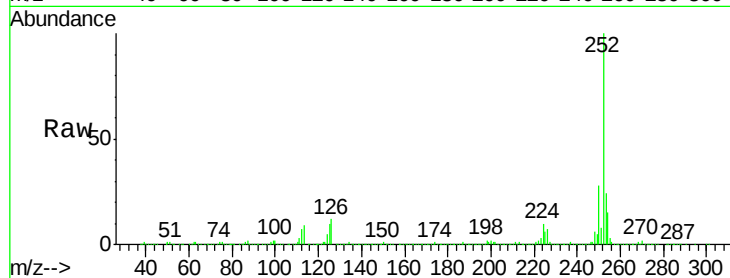
Tgt Ion:252 Resp: 5448872

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

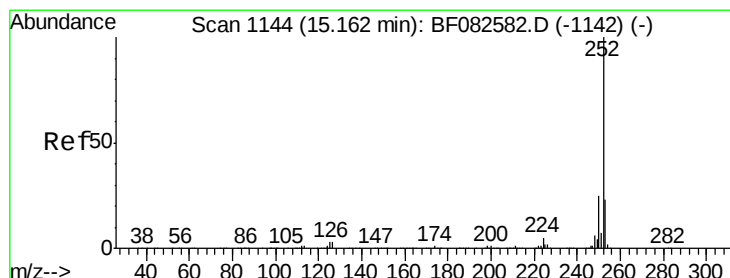
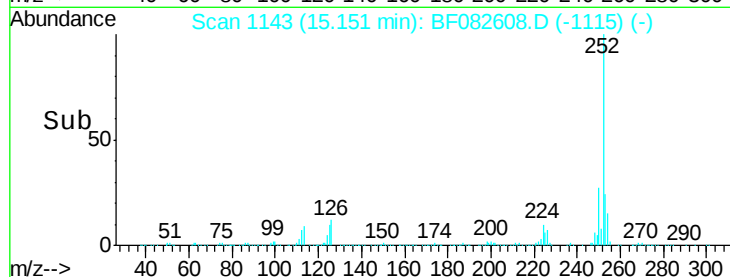
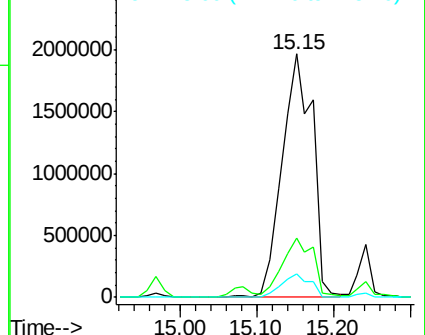
125 9.9 5.4 8.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 237.57 ng

RT: 15.15 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

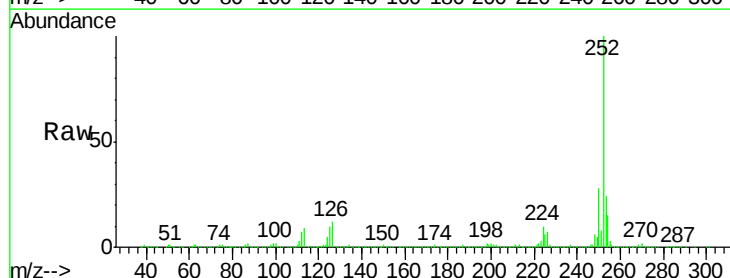
Tgt Ion:252 Resp: 5448872

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

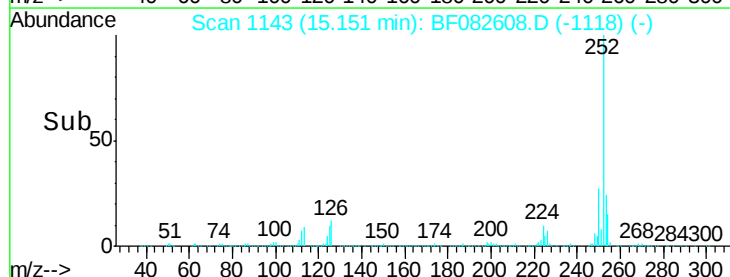
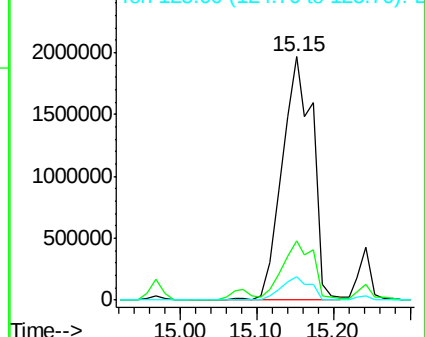
125 9.9 3.5 5.3#

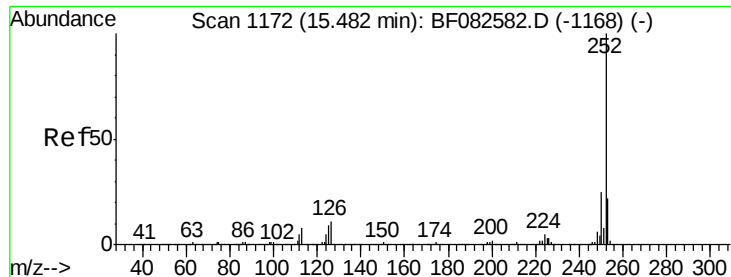


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.84 ng

RT: 15.60 min Scan# 1182

Delta R.T. 0.11 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

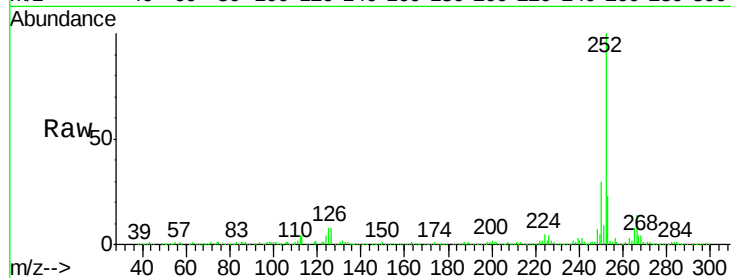
Tgt Ion:252 Resp: 968202

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

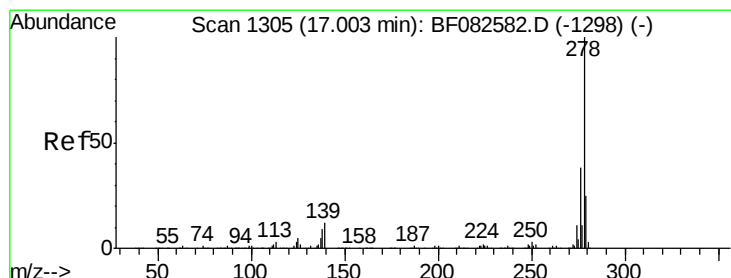
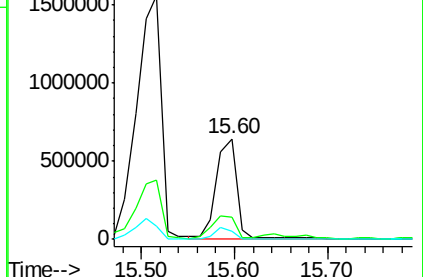
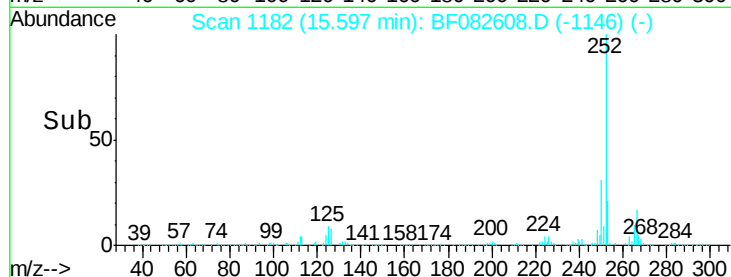
125 8.3 7.1 10.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 22.38 ng

RT: 17.17 min Scan# 1320

Delta R.T. 0.17 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

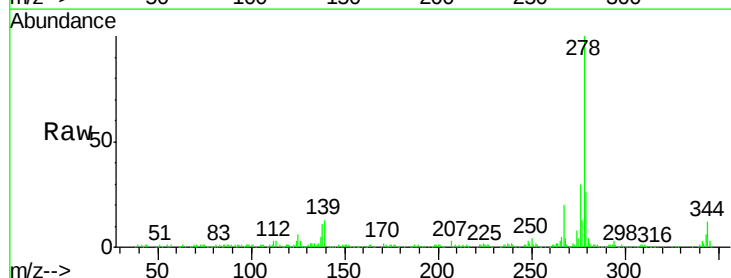
Tgt Ion:278 Resp: 495092

Ion Ratio Lower Upper

278 100

139 12.7 9.9 14.9

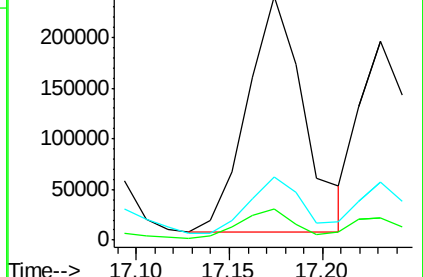
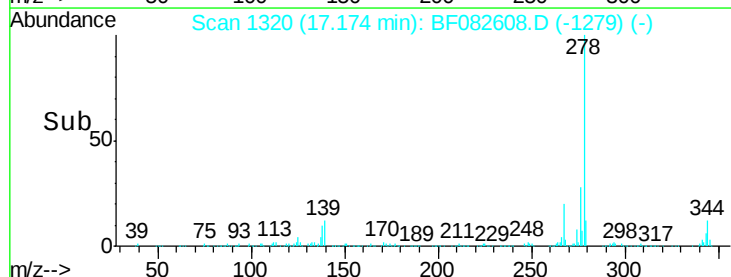
279 26.1 19.6 29.4

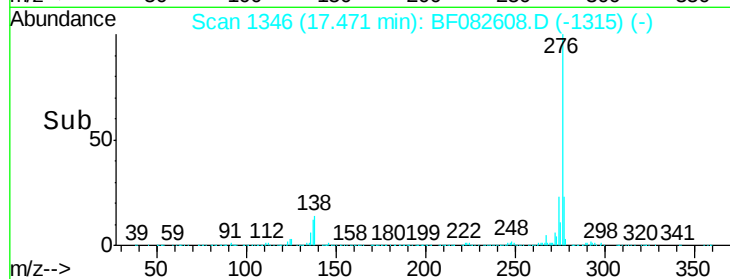
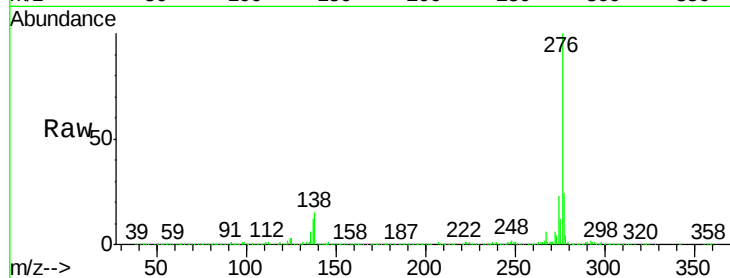
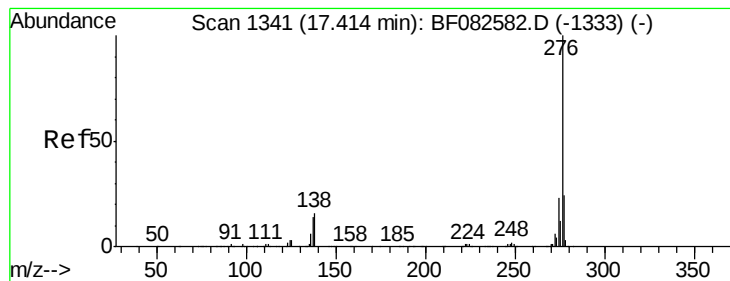


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 105.02 ng

RT: 17.47 min Scan# 1346

Delta R.T. 0.06 min

Lab File: BF082608.D

Acq: 31 Oct 2015 8:48

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEPL

Tgt Ion:276 Resp: 2251511

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 14.7 13.1 19.7

