

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
 Data File : BF082572.D
 Acq On : 28 Oct 2015 4:06
 Operator : UM/IZ
 Sample : G4178-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEP

Quant Time: Oct 28 05:41:29 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	87569	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	300680	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	147295	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	164979	20.00	ng	0.01
75) Chrysene-d12	13.94	240	136212	20.00	ng	0.03
86) Perylene-d12	15.37	264	197557	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	657423	148.21	ng	0.00
7) Phenol-d6	6.38	99	850024	147.03	ng	0.00
23) Nitrobenzene-d5	7.29	82	556016	119.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	134682	122.11	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	906243	97.83	ng	-0.02
78) Terphenyl-d14	12.85	244	603724	127.69	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.22	77	456	Below Cal	#	1
10) Phenol	6.39	94	41267	6.29 ng	#	80
15) Benzyl Alcohol	6.87	79	8576	2.13 ng	#	51
17) 2-Methylphenol	6.99	107	16378	3.93 ng	#	99
19) n-Nitroso-di-n-propylamine	7.29	70	76343	20.27 ng	#	76
20) 3+4-Methylphenols	7.15	107	61919	11.62 ng	#	94
25) Isophorone	7.29	82	544197	58.77 ng	#	64
27) 2,4-Dimethylphenol	7.68	122	17163	4.20 ng	#	88
31) Naphthalene	8.05	128	5093150	370.65 ng	#	93
32) Benzoic acid	7.82	122	24536	10.72 ng	#	16
33) 4-Chloroaniline	8.05	127	780297	146.47 ng	#	35
37) 2-Methylnaphthalene	8.72	142	1114860	120.09 ng	#	99
45) 1,1'-Biphenyl	9.18	154	470592	42.93 ng	#	98
48) Acenaphthylene	9.61	152	500289	36.15 ng	#	98
49) Dimethylphthalate	9.49	163	233899	22.82 ng	#	99
51) Acenaphthene	9.79	154	1443560	181.90 ng	#	99
54) Dibenzofuran	9.97	168	2189979	189.12 ng	#	98
55) 4-Nitrophenol	9.97	139	866367	327.11 ng	#	12
56) 2,4-Dinitrotoluene	9.91	165	15606	5.73 ng	#	38
57) Fluorene	10.31	166	1601576	168.48 ng	#	98
61) 4-Nitroaniline	10.31	138	18369	7.52 ng	#	24
65) n-Nitrosodiphenylamine	10.43	169	34222	6.86 ng	#	1
66) 4-Bromophenyl-phenylether	10.55	248	8986	5.80 ng	#	1
70) Phenanthrene	11.33	178	11494566	1353.81 ng	#	91
71) Anthracene	11.33	178	11494566	1344.34 ng	#	89
72) Carbazole	11.51	167	2932940	388.98 ng	#	95
74) Fluoranthene	12.53	202	11102320	1273.90 ng	#	93
76) Benzdine	12.64	184	10510	2.81 ng	#	75
77) Pyrene	12.76	202	8837422	1054.81 ng	#	90
80) Benzo(a)anthracene	13.93	228	10397822	1423.86 ng	#	90
81) 3,3'-Dichlorobenzidine	13.97	252	38022	15.02 ng	#	1
82) Chrysene	13.93	228	10397822	1507.32 ng	#	95
83) Bis(2-ethylhexyl)phthalate	13.92	149	30324	6.43 ng	#	68
85) Indeno(1,2,3-cd)pyrene	16.78	276	3387568	534.52 ng	#	97

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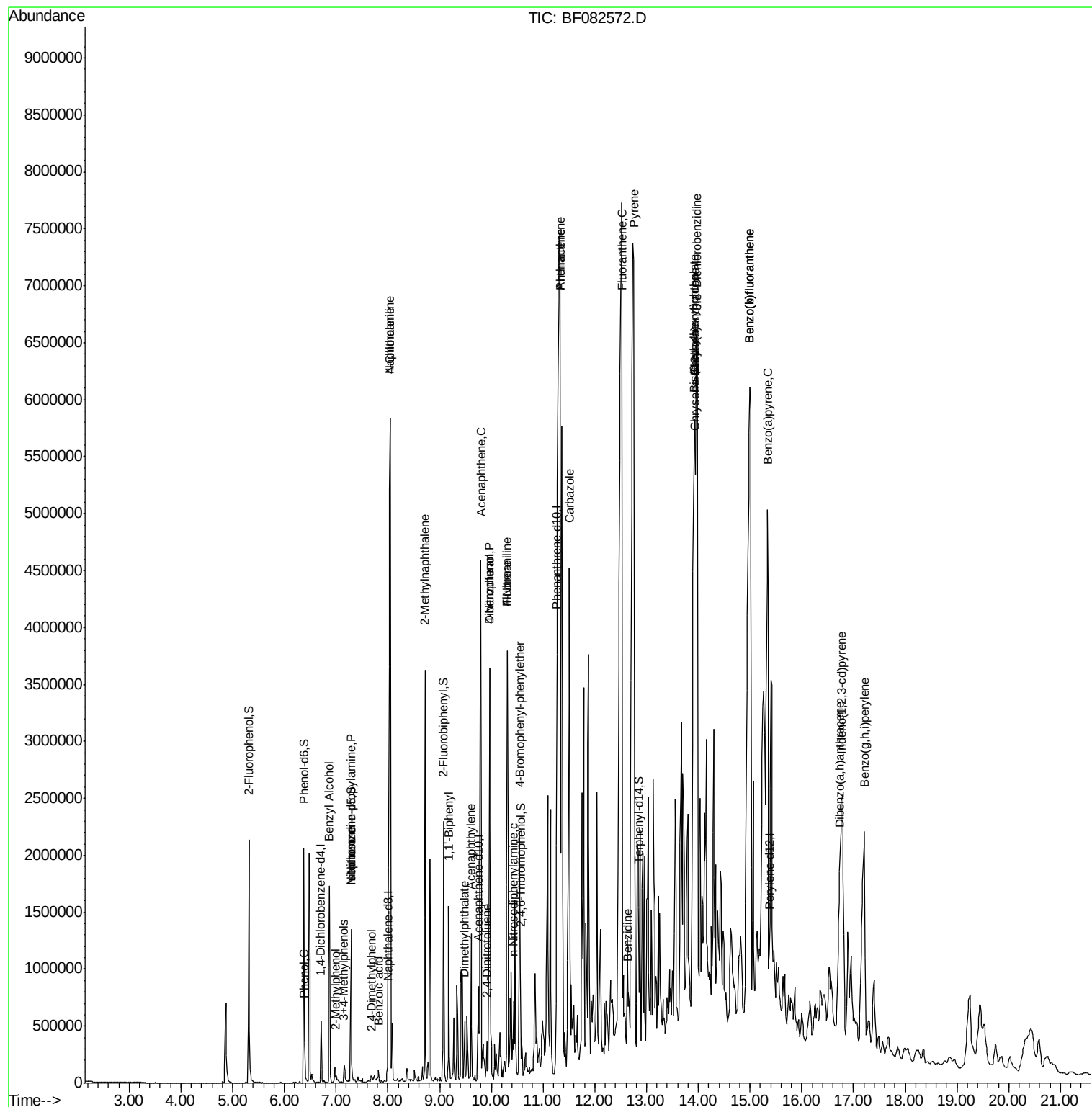
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	15.00	252	9587050	817.16	ng	# 93
88) Benzo(k)fluoranthene	15.00	252	9586156	1002.26	ng	94
89) Benzo(a)pyrene	15.34	252	4319064	424.93	ng	# 89
90) Dibenzo(a,h)anthracene	16.73	278	1307955	153.81	ng	97
91) Benzo(g,h,i)perylene	17.21	276	2945952	350.12	ng	93

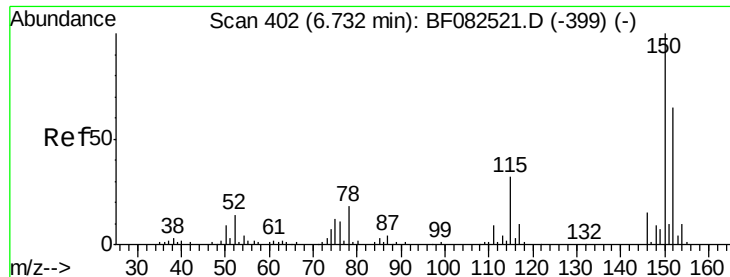
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

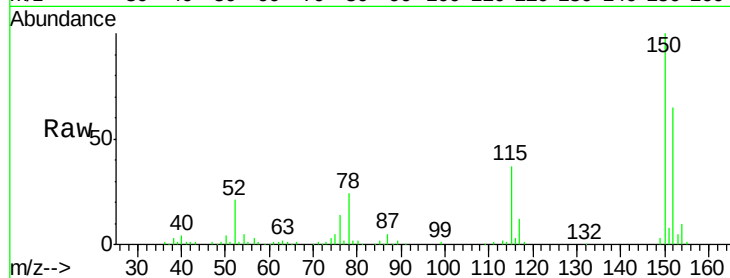
Tgt Ion:152 Resp: 87569

Ion Ratio Lower Upper

152 100

150 154.5 123.4 185.0

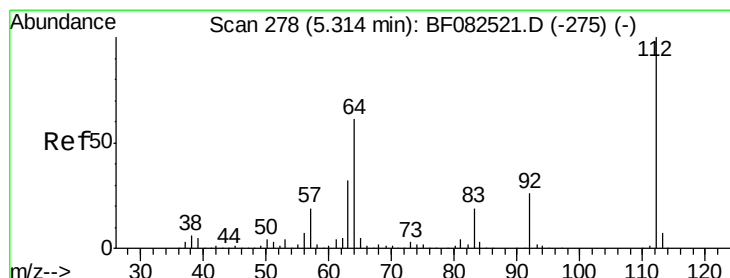
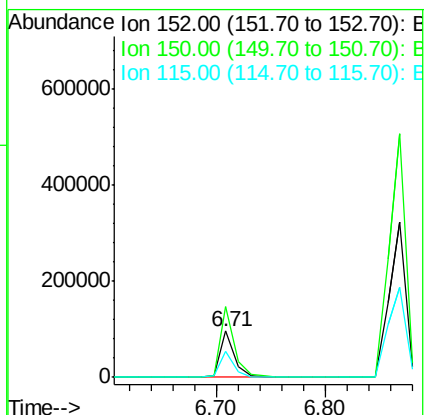
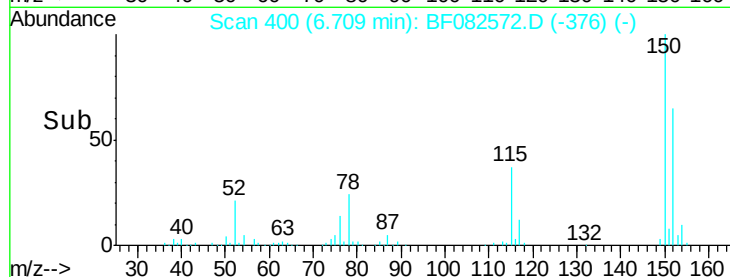
115 57.5 39.0 58.4



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: 148.21 ng

RT: 5.31 min Scan# 278

Delta R.T. 0.00 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

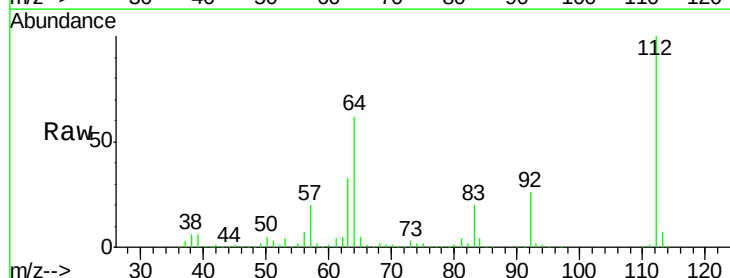
Tgt Ion:112 Resp: 657423

Ion Ratio Lower Upper

112 100

64 62.5 49.0 73.4

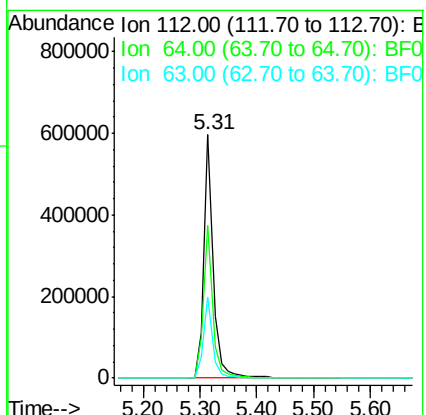
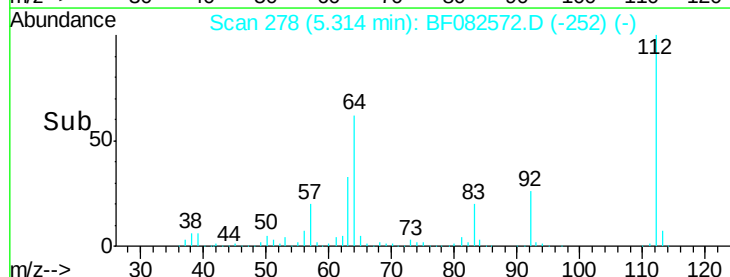
63 33.3 25.8 38.6

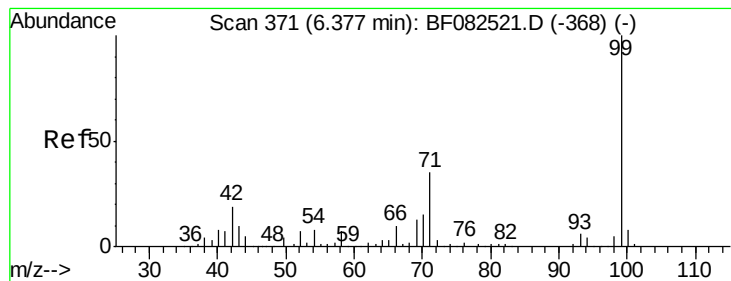


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 147.03 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

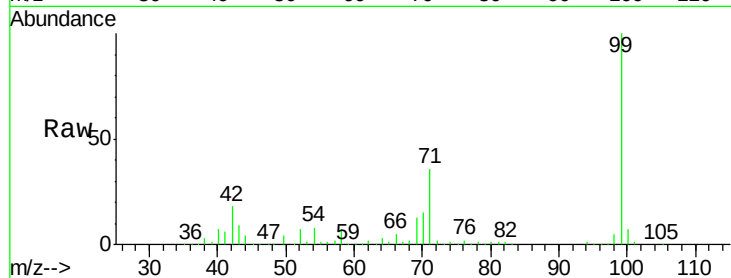
Tgt Ion: 99 Resp: 850024

Ion Ratio Lower Upper

99 100

42 18.0 15.1 22.7

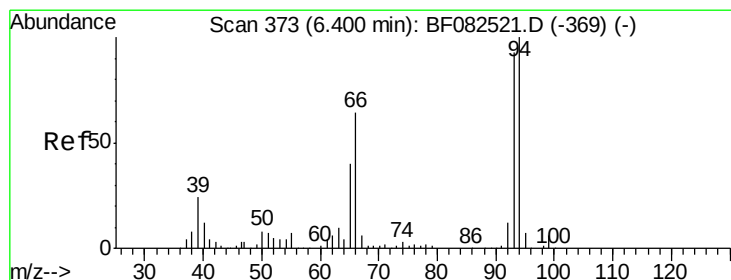
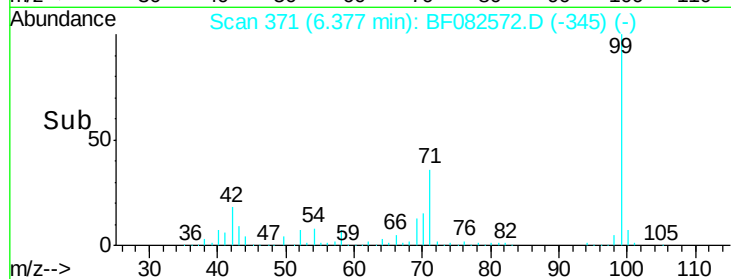
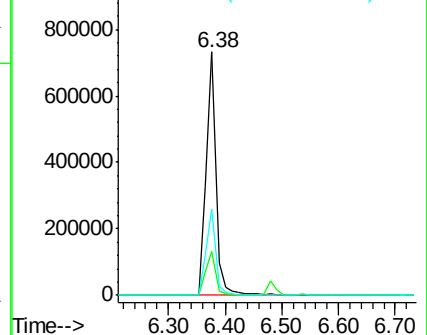
71 35.5 28.2 42.2



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



#10

Phenol

Concen: 6.29 ng

RT: 6.39 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

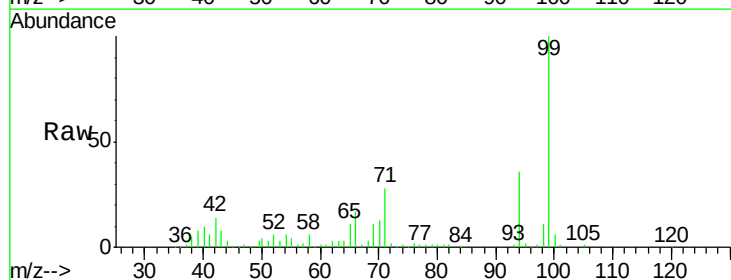
Tgt Ion: 94 Resp: 41267

Ion Ratio Lower Upper

94 100

65 30.4 19.9 59.9

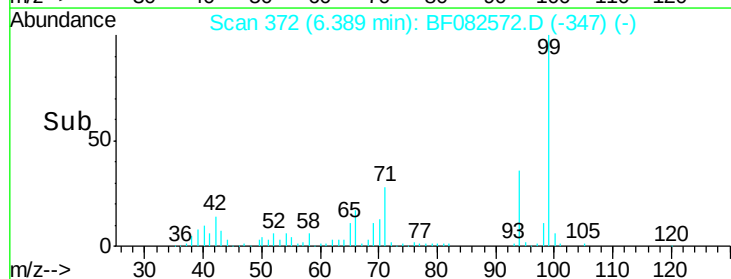
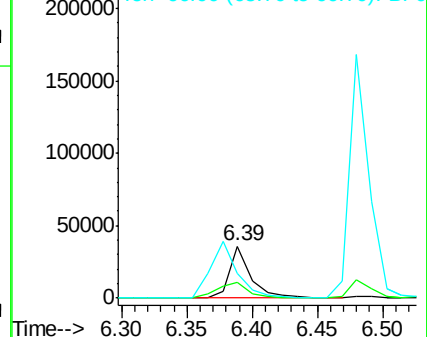
66 46.6 44.1 84.1

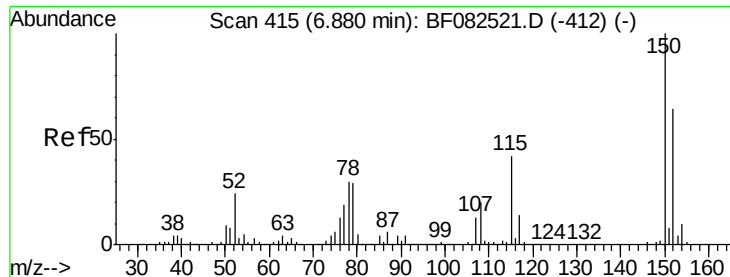


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

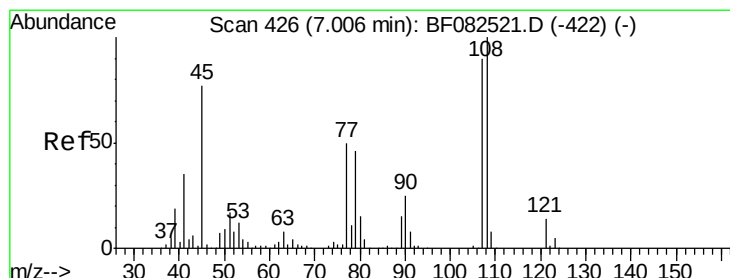
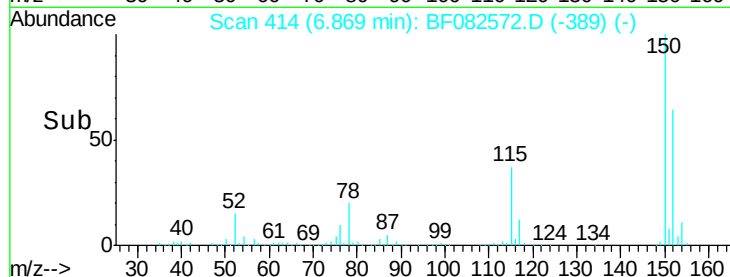
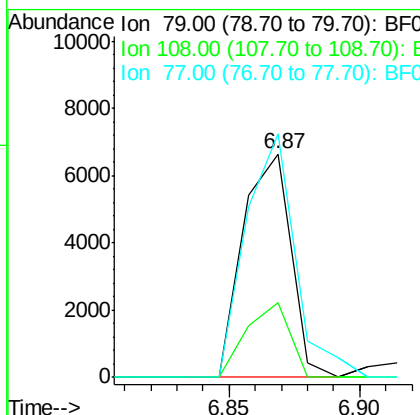
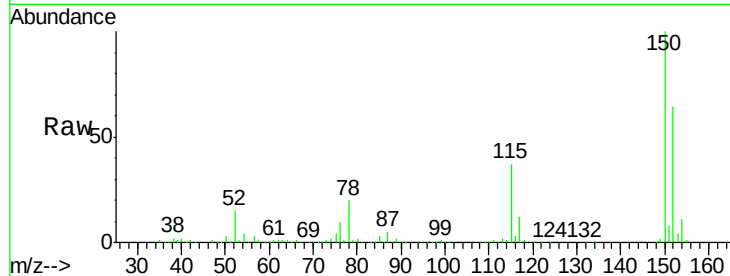




#15
Benzyl Alcohol
Concen: 2.13 ng
RT: 6.87 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

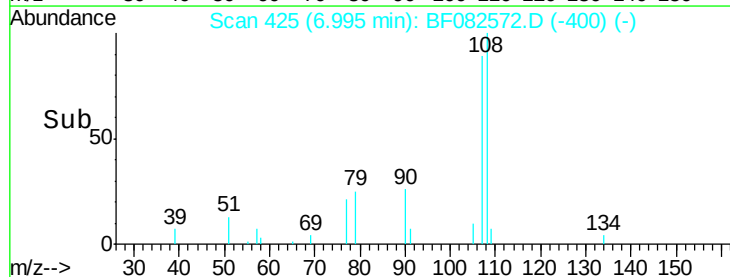
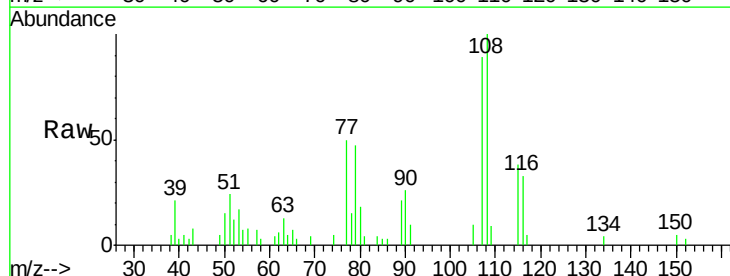
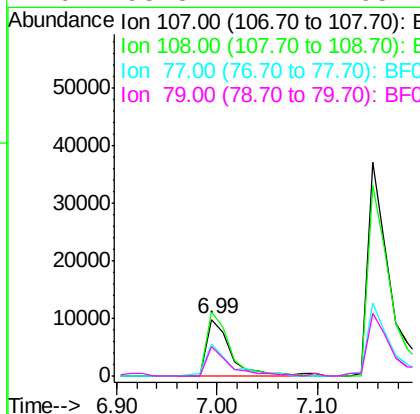
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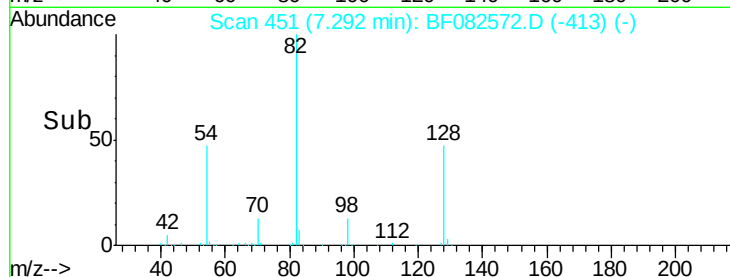
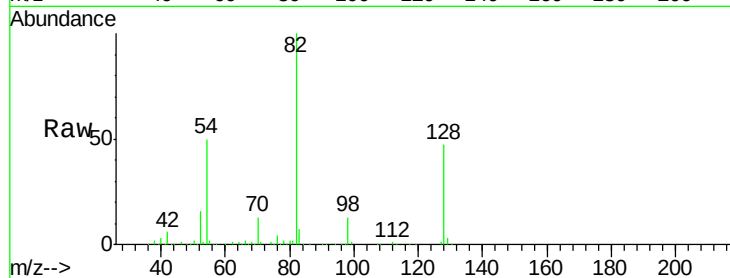
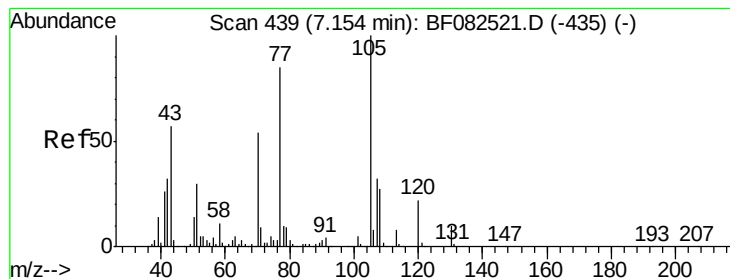
Tgt Ion: 79 Resp: 8576
Ion Ratio Lower Upper
79 100
108 33.6 55.0 82.6#
77 108.9 52.5 78.7#



#17
2-Methylphenol
Concen: 3.93 ng
RT: 6.99 min Scan# 425
Delta R.T. -0.01 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

Tgt Ion: 107 Resp: 16378
Ion Ratio Lower Upper
107 100
108 112.4 89.4 134.2
77 56.2 44.8 67.2
79 53.3 42.1 63.1





#19

n-Nitroso-di-n-propylamine

Concen: 20.27 ng

RT: 7.29 min Scan# 451

Delta R.T. 0.14 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

Tgt Ion: 70 Resp: 76343

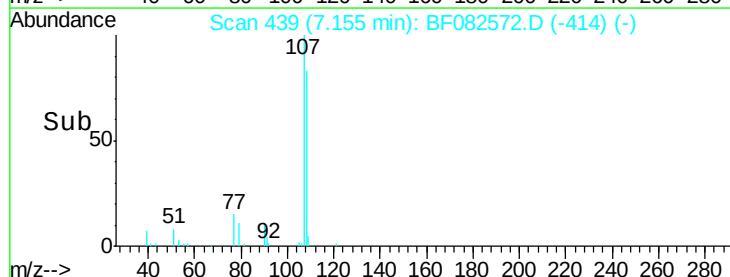
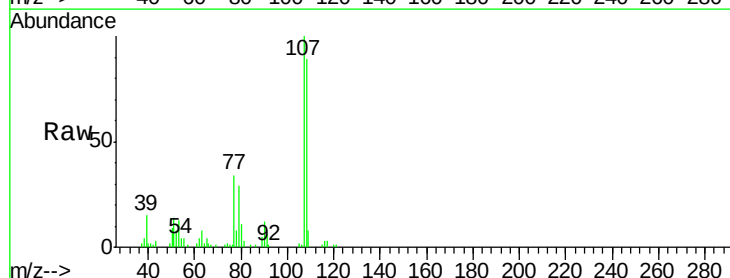
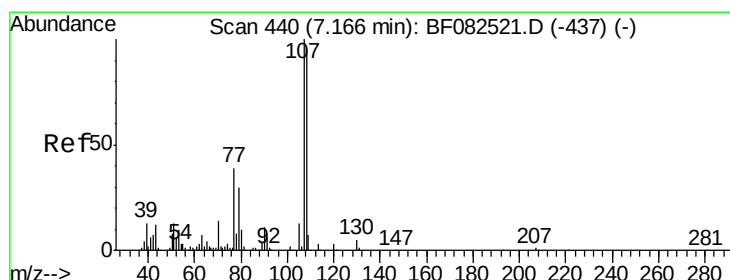
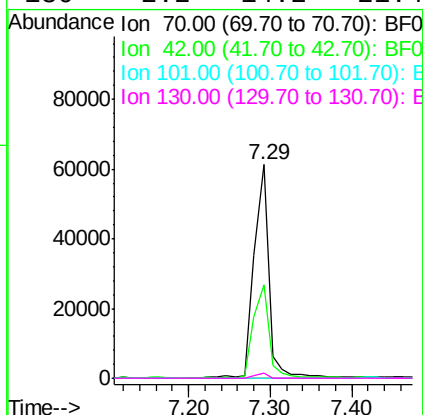
Ion Ratio Lower Upper

70 100

42 44.0 46.9 70.3#

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#



#20

3+4-Methylphenols

Concen: 11.62 ng

RT: 7.15 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Tgt Ion: 107 Resp: 61919

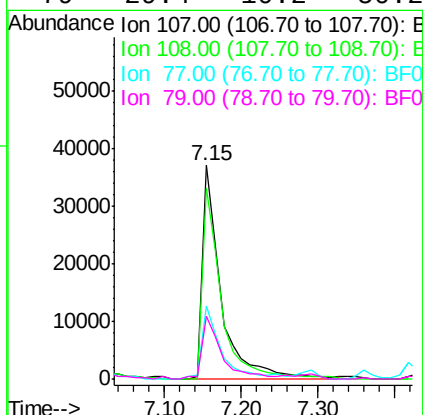
Ion Ratio Lower Upper

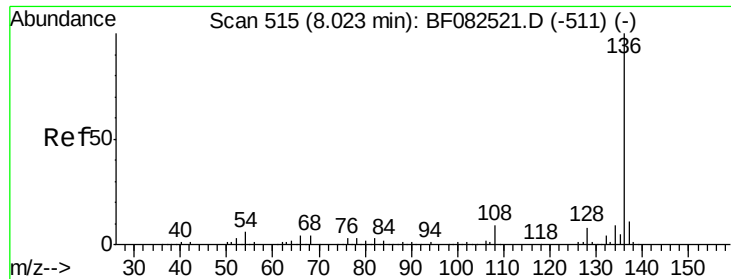
107 100

108 89.3 74.8 114.8

77 34.1 20.3 60.3

79 29.4 10.2 50.2

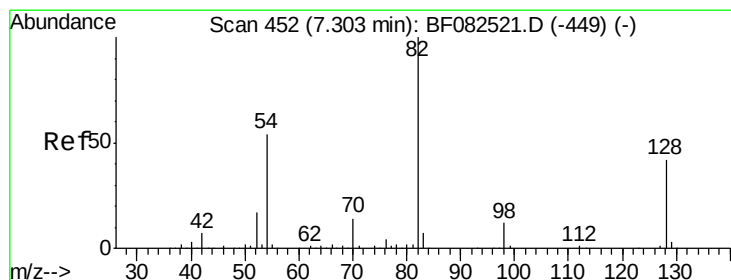
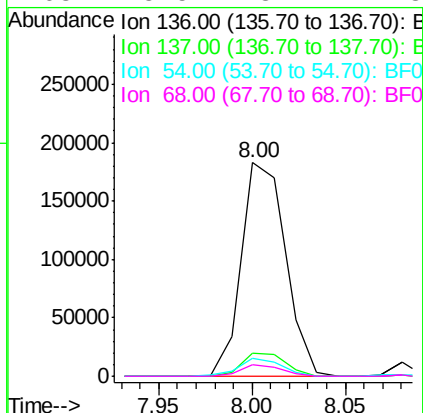
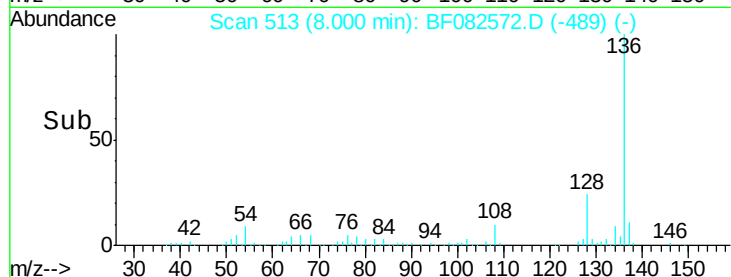
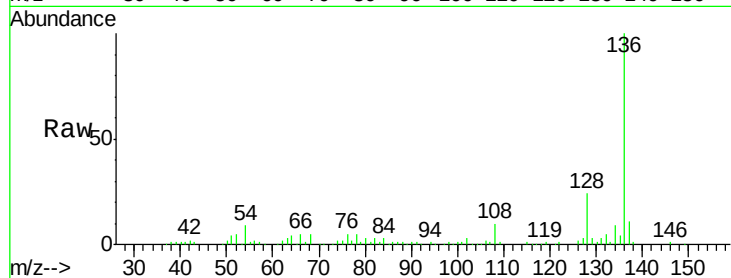




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

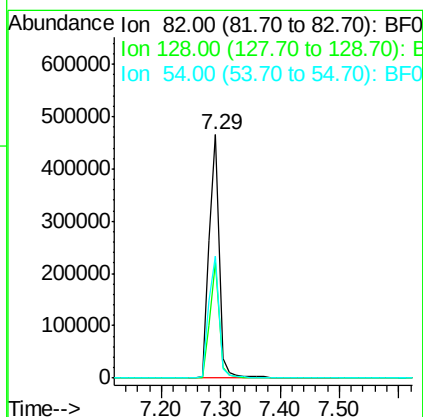
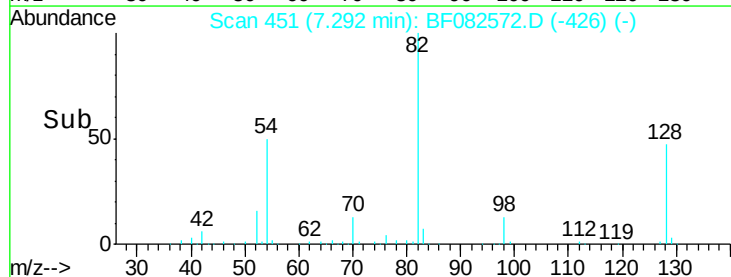
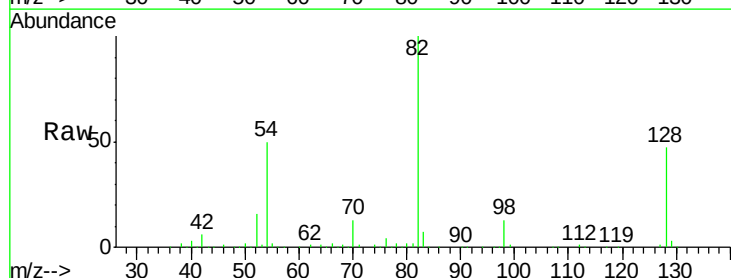
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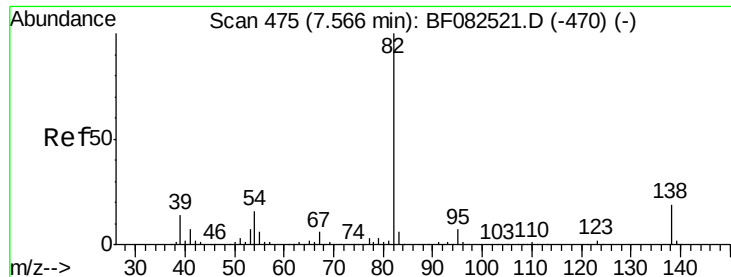
Tgt Ion:	136	Resp:	300680
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	8.6	4.6	7.0#
68	5.5	3.2	4.8#



#23
Nitrobenzene-d5
Concen: 119.30 ng
RT: 7.29 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

Tgt Ion:	82	Resp:	556016
Ion Ratio	Lower	Upper	
82	100		
128	47.3	33.4	50.0
54	50.1	43.5	65.3





#25

Isophorone

Concen: 58.77 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.27 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

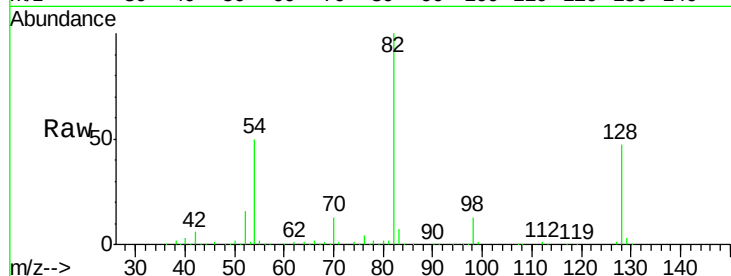
Tgt Ion: 82 Resp: 544197

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

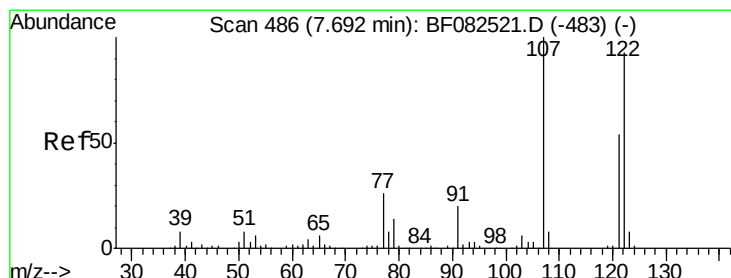
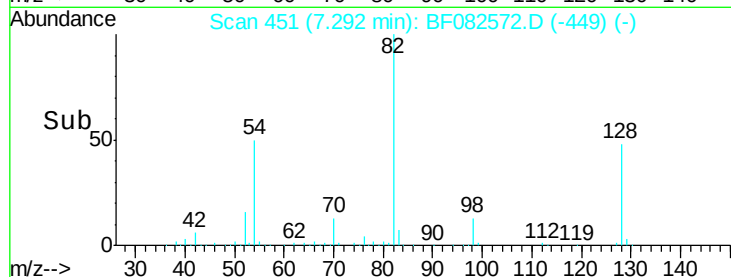
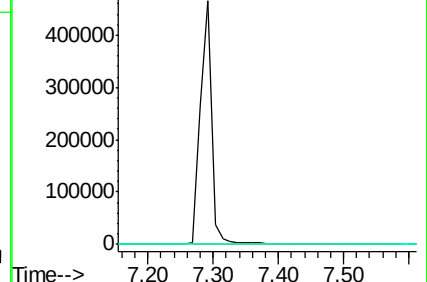
138 0.0 15.0 22.4#



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



#27

2,4-Dimethylphenol

Concen: 4.20 ng

RT: 7.68 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

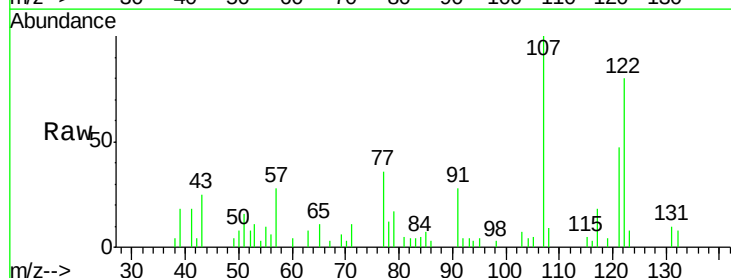
Tgt Ion: 122 Resp: 17163

Ion Ratio Lower Upper

122 100

107 125.4 85.8 128.8

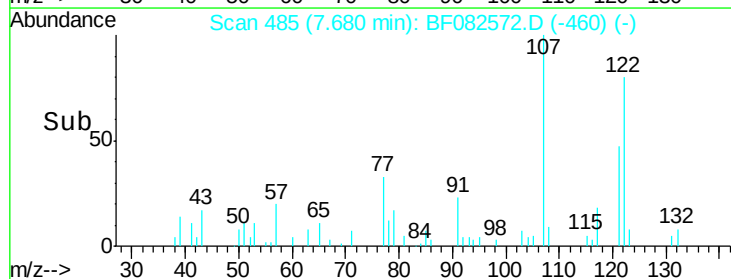
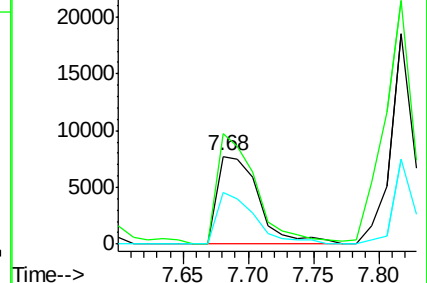
121 58.7 46.2 69.2

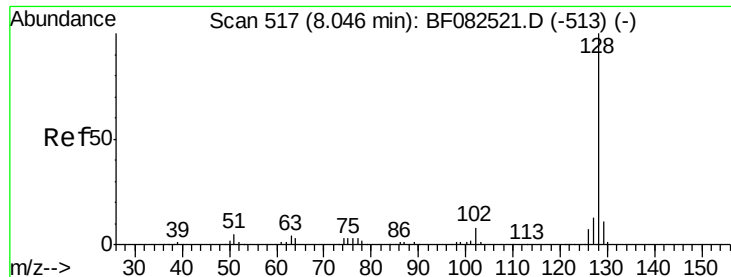


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

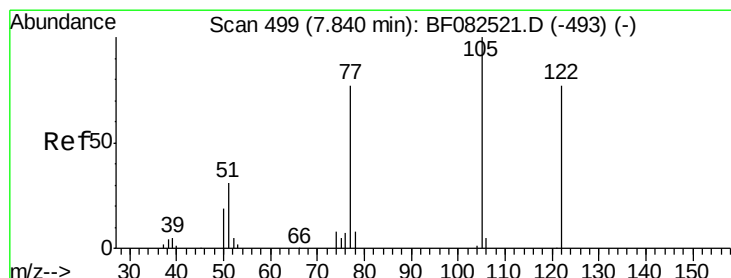
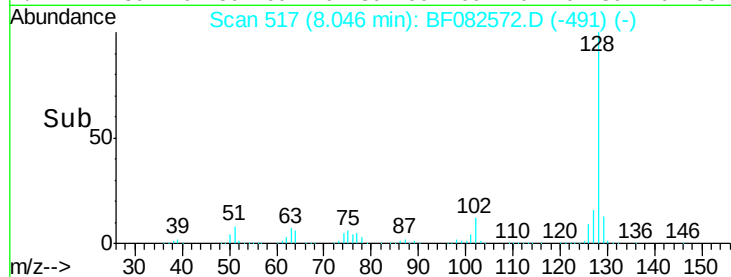
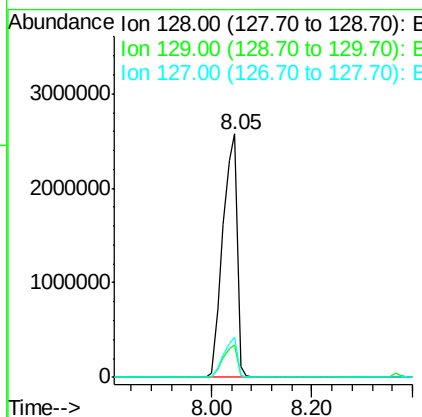
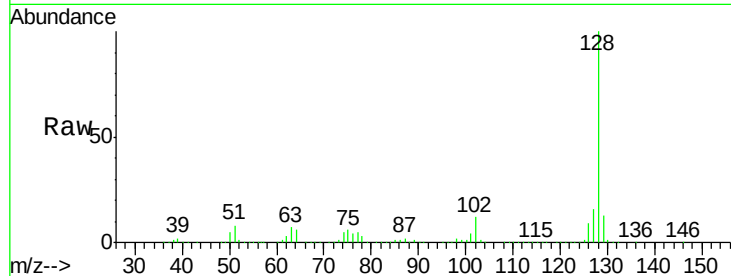




#31
Naphthalene
Concen: 370.65 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

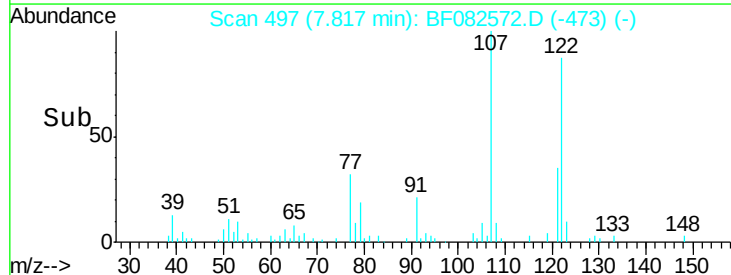
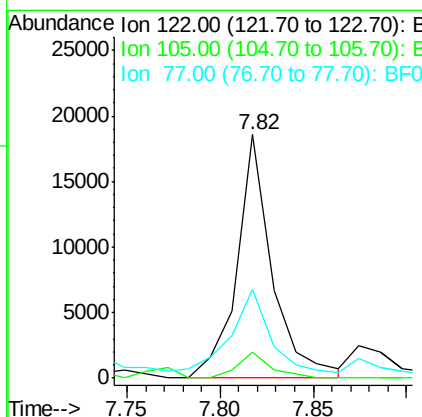
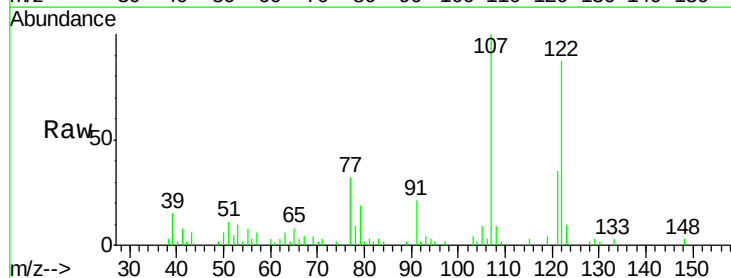
Instrument :
BNA_F
ClientSampleId :
S5-BOILERROOM2.5FTDEEP

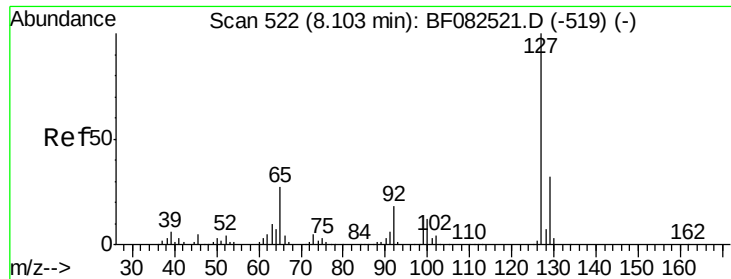
Tgt Ion:128 Resp: 5093150
Ion Ratio Lower Upper
128 100
129 13.3 8.6 12.8#
127 16.2 10.7 16.1#



#32
Benzoic acid
Concen: 10.72 ng
RT: 7.82 min Scan# 497
Delta R.T. -0.02 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

Tgt Ion:122 Resp: 24536
Ion Ratio Lower Upper
122 100
105 10.9 106.4 146.4#
77 36.6 79.1 119.1#

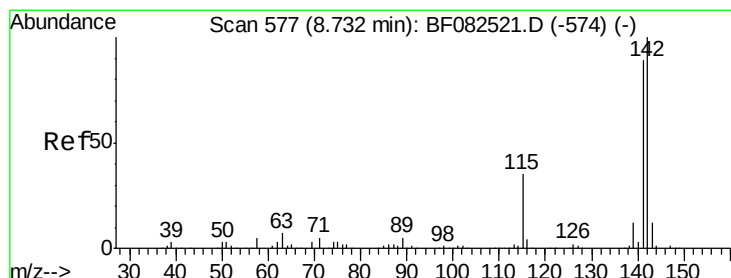
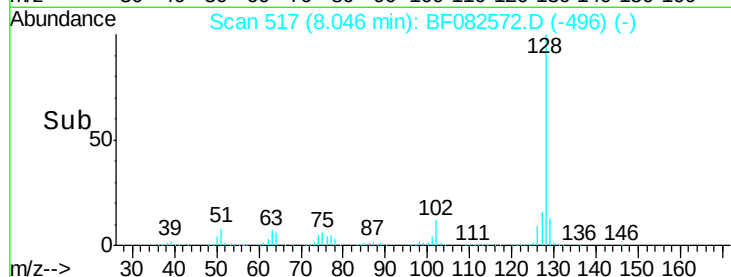
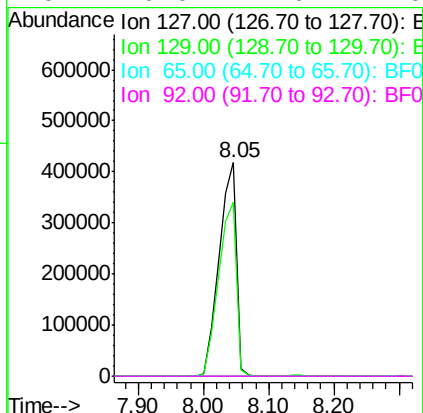
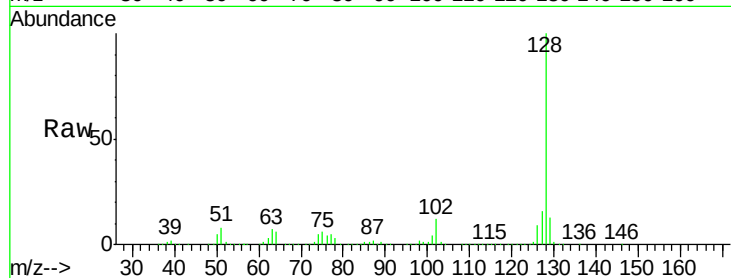




#33
4-Chloroaniline
Concen: 146.47 ng
RT: 8.05 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

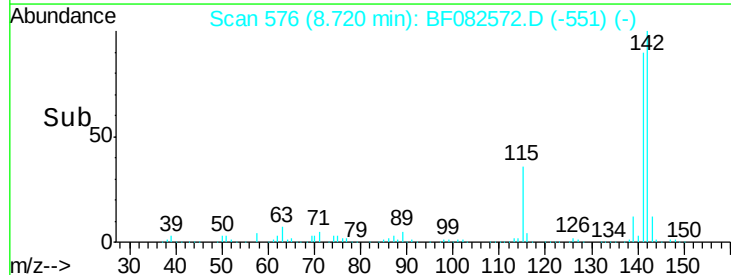
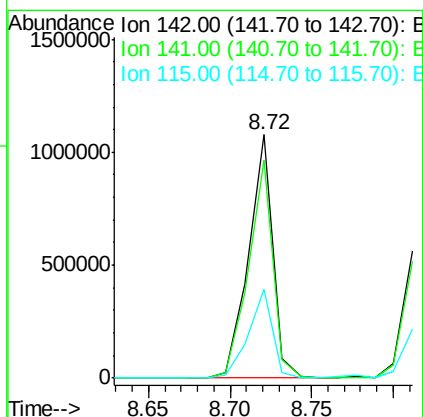
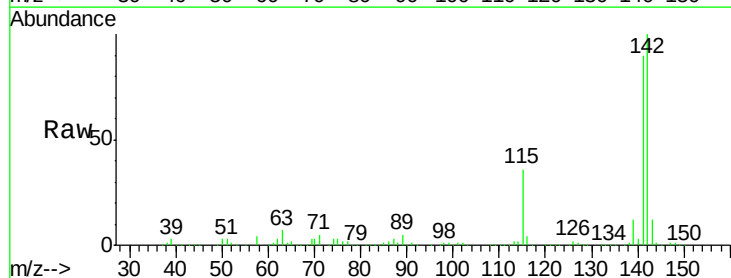
Instrument :
BNA_F
ClientSampleId :
S5-BOILERROOM2.5FTDEEP

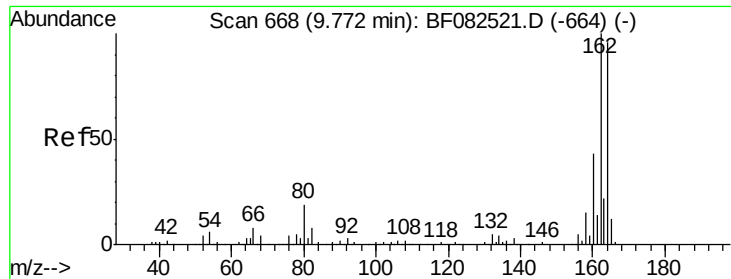
Tgt Ion:	127	Resp:	780297
Ion	Ratio	Lower	Upper
127	100		
129	81.7	25.8	38.8#
65	0.0	21.8	32.6#
92	0.0	14.6	22.0#



#37
2-Methylnaphthalene
Concen: 120.09 ng
RT: 8.72 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

Tgt Ion:	142	Resp:	1114860
Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.0	106.6
115	36.4	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: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

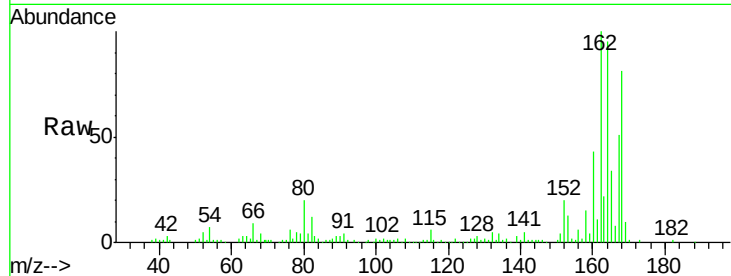
Tgt Ion:164 Resp: 147295

Ion Ratio Lower Upper

164 100

162 104.7 83.6 125.4

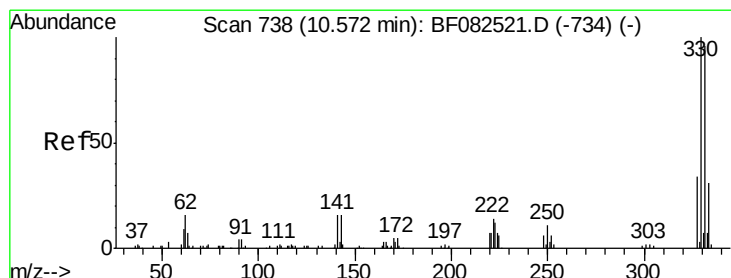
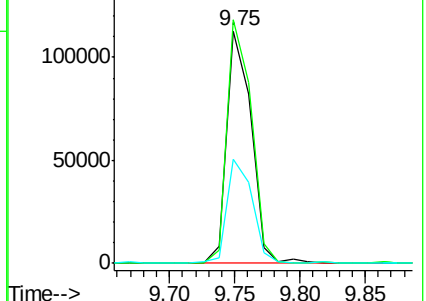
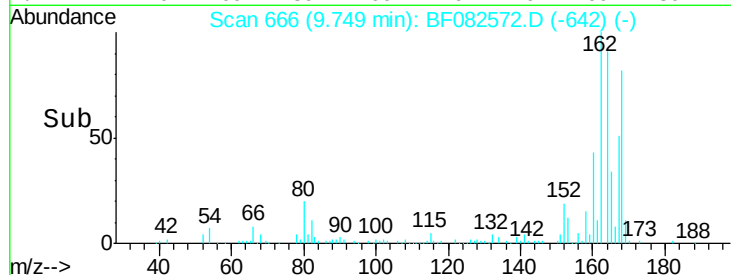
160 44.6 36.0 54.0



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: 122.11 ng

RT: 10.56 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

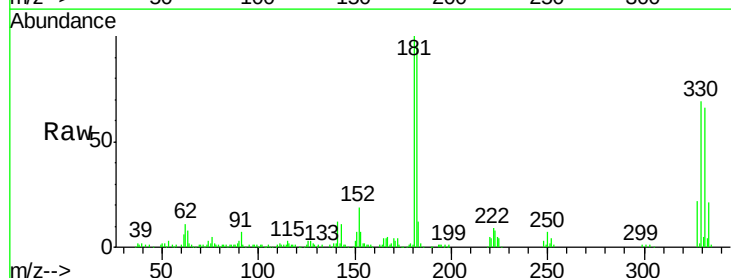
Tgt Ion:330 Resp: 134682

Ion Ratio Lower Upper

330 100

332 93.8 77.4 116.0

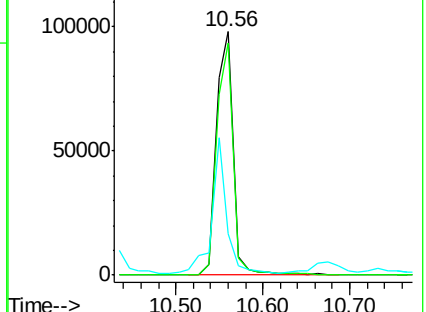
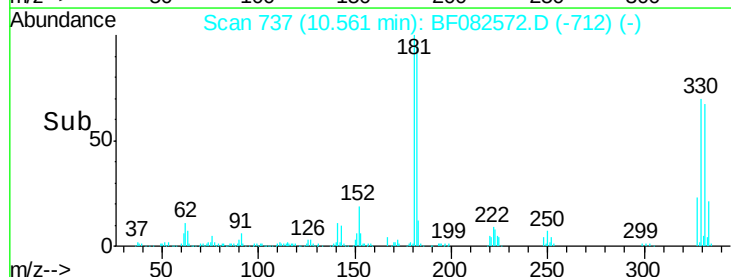
141 47.9 32.5 48.7

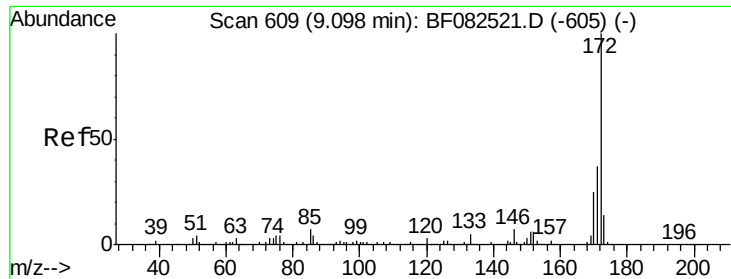


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

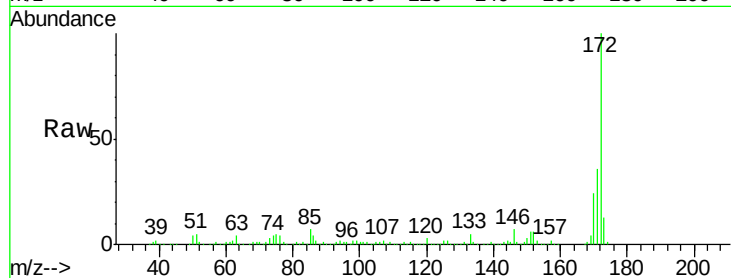




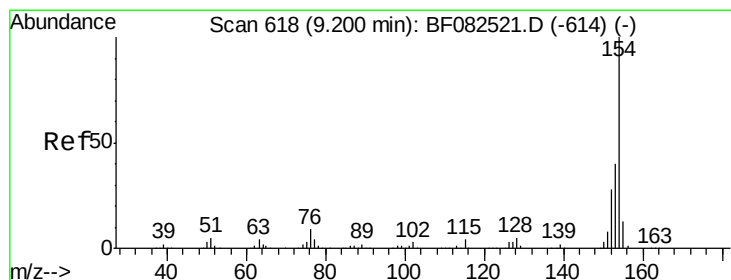
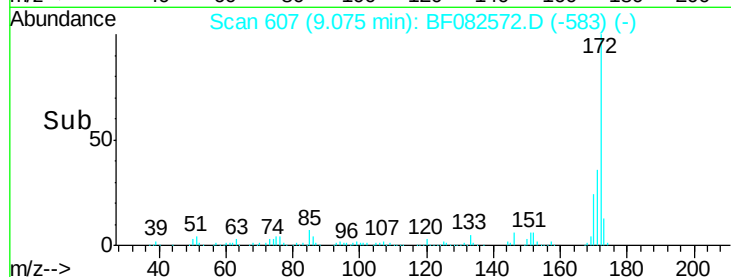
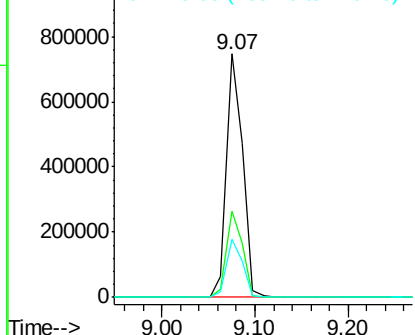
#44
 2-Fluorobiphenyl
 Concen: 97.83 ng
 RT: 9.07 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF082572.D
 Acq: 28 Oct 2015 4:06

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEP

Tgt Ion:172 Resp: 906243
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.3 43.9
 170 23.9 19.8 29.6

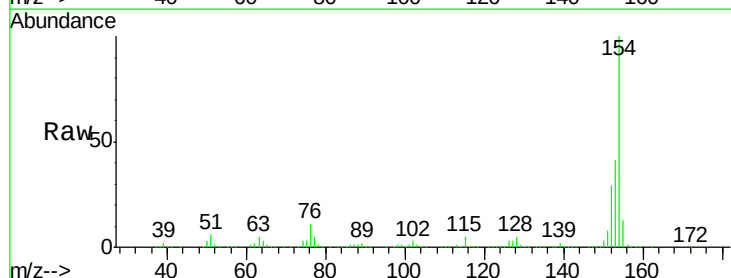


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

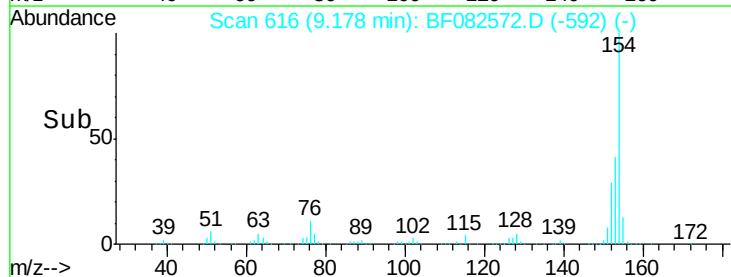
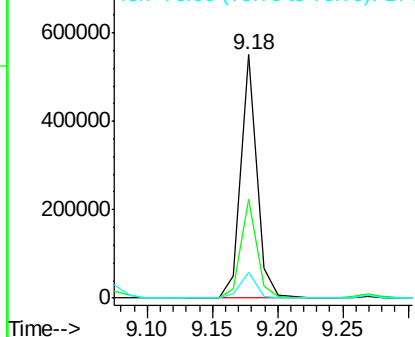


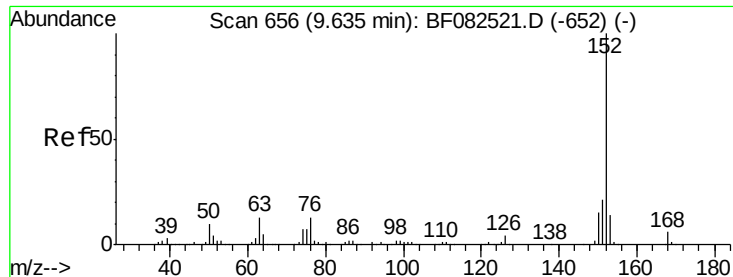
#45
 1,1'-Biphenyl
 Concen: 42.93 ng
 RT: 9.18 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF082572.D
 Acq: 28 Oct 2015 4:06

Tgt Ion:154 Resp: 470592
 Ion Ratio Lower Upper
 154 100
 153 40.9 20.4 60.4
 76 10.9 0.0 29.2



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: 36.15 ng

RT: 9.61 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

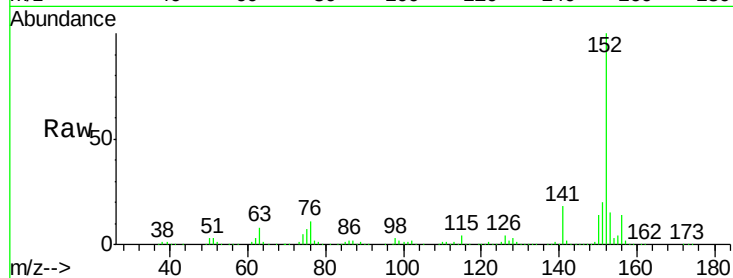
Tgt Ion:152 Resp: 500289

Ion Ratio Lower Upper

152 100

151 20.3 16.6 25.0

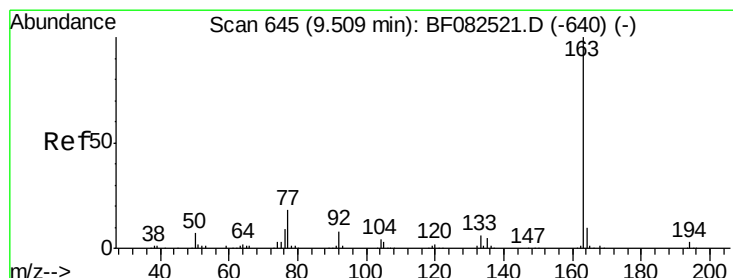
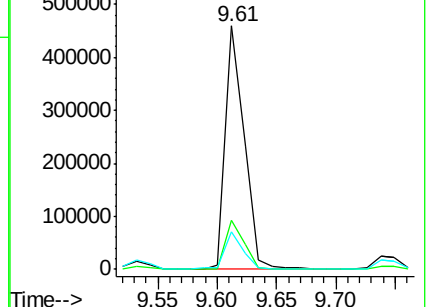
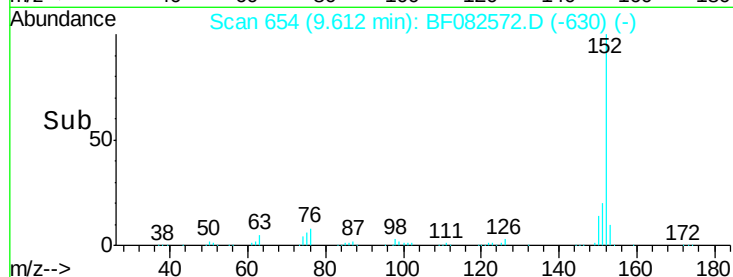
153 15.4 10.9 16.3



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: 22.82 ng

RT: 9.49 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

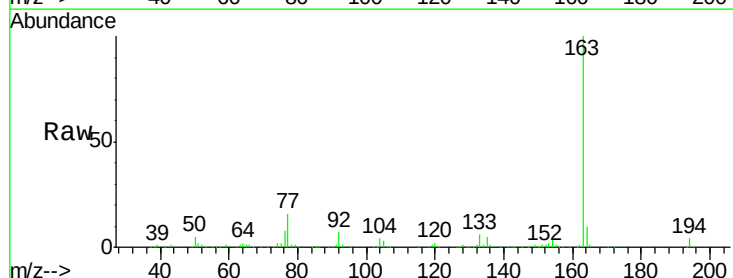
Tgt Ion:163 Resp: 233899

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

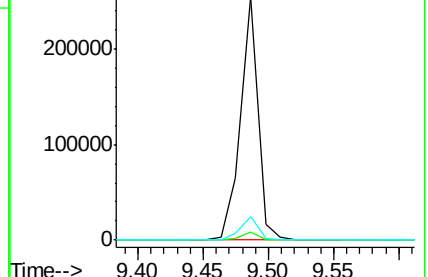
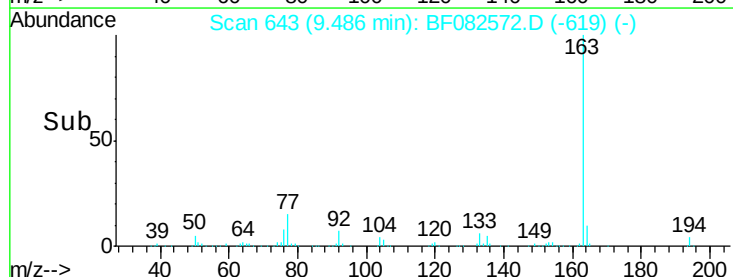
164 9.9 8.2 12.4

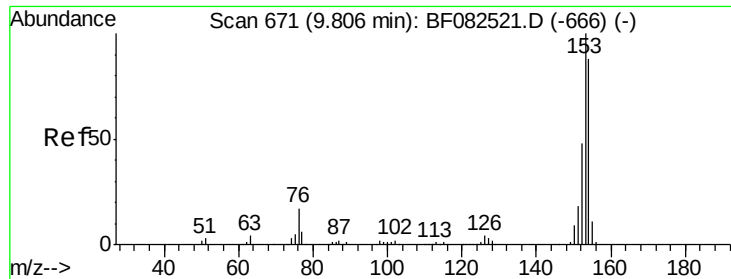


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 181.90 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

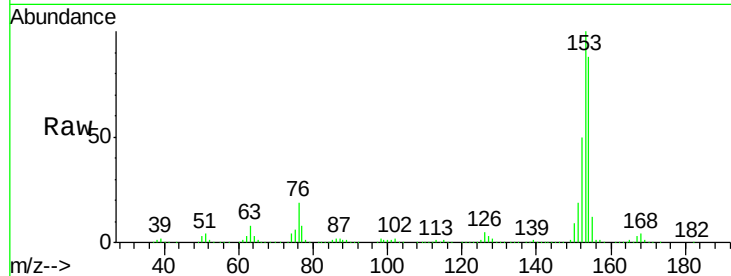
Tgt Ion:154 Resp: 1443560

Ion Ratio Lower Upper

154 100

153 114.1 90.7 136.1

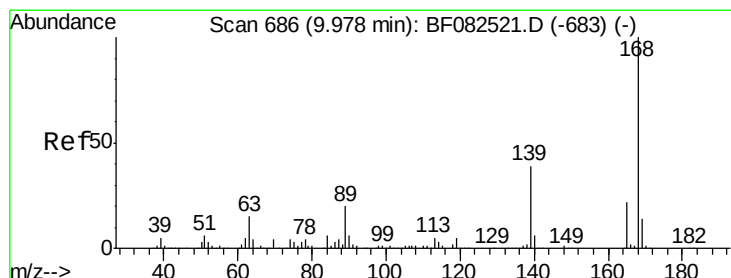
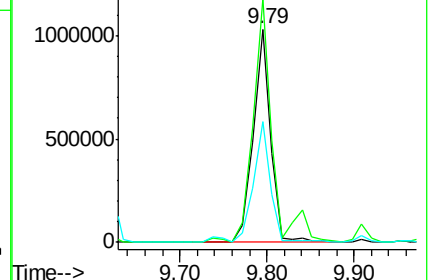
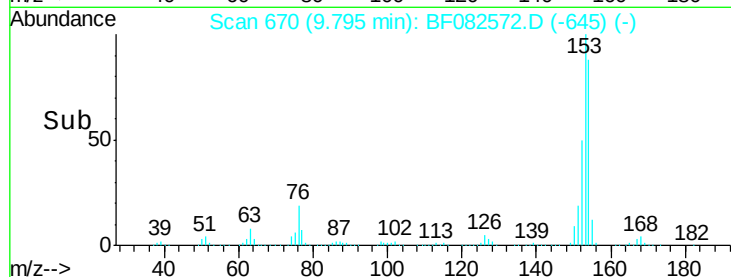
152 56.9 44.0 66.0



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

Dibenzofuran

Concen: 189.12 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

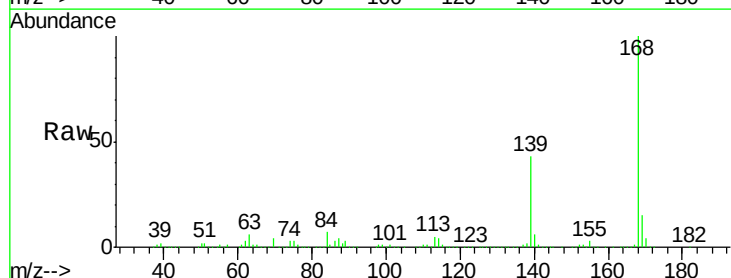
Tgt Ion:168 Resp: 2189979

Ion Ratio Lower Upper

168 100

139 42.6 33.0 49.6

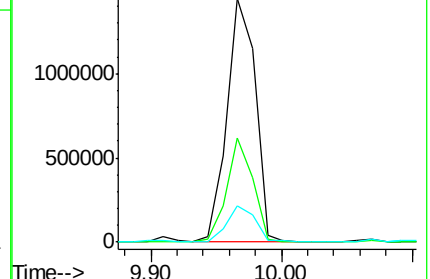
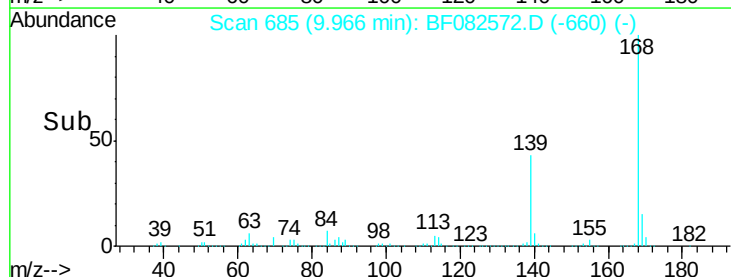
169 15.2 11.0 16.4

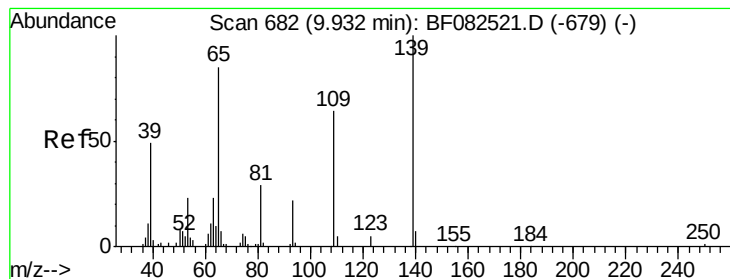


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 327.11 ng

RT: 9.97 min Scan# 685

Delta R.T. 0.04 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

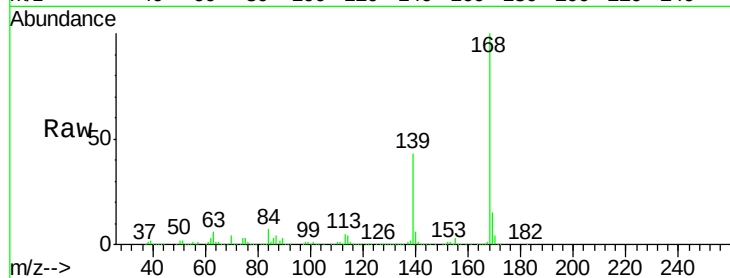
Tgt Ion:139 Resp: 866367

Ion Ratio Lower Upper

139 100

109 0.8 44.2 84.2#

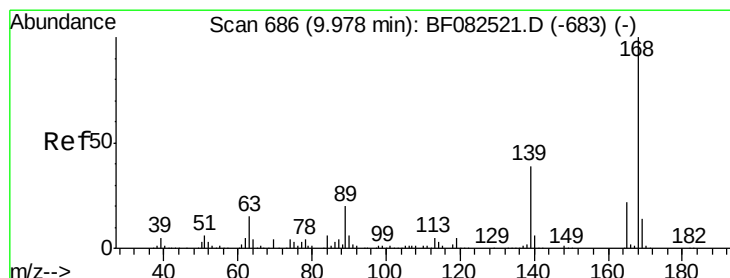
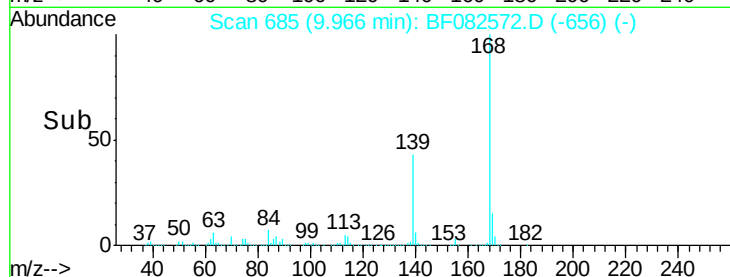
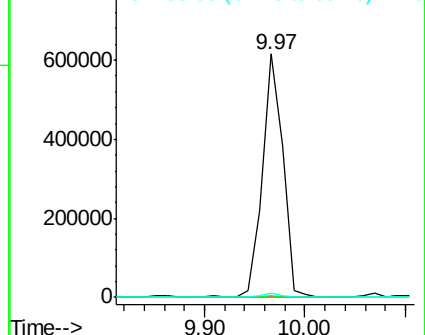
65 1.5 68.1 108.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.73 ng

RT: 9.91 min Scan# 680

Delta R.T. -0.07 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Tgt Ion:165 Resp: 15606

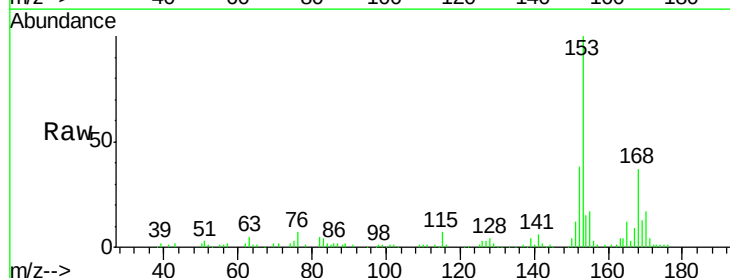
Ion Ratio Lower Upper

165 100

63 38.0 58.6 88.0#

89 15.5 72.3 108.5#

182 0.0 1.8 2.8#

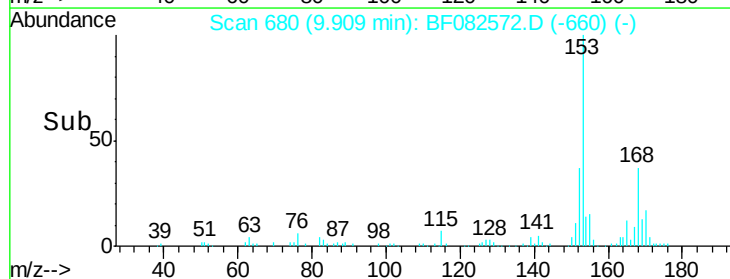
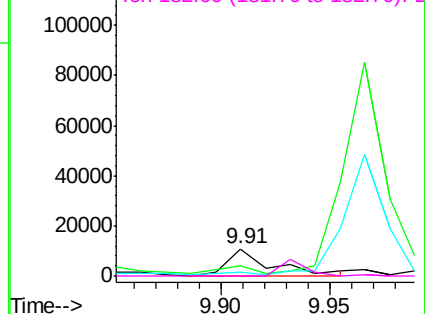


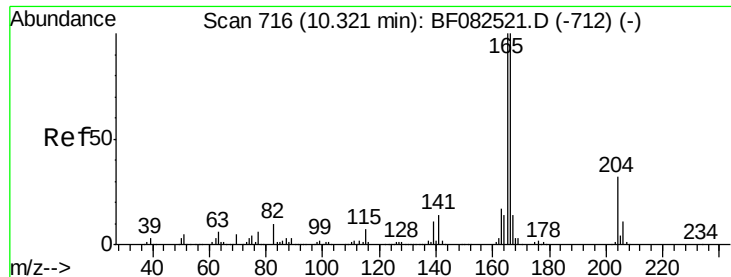
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

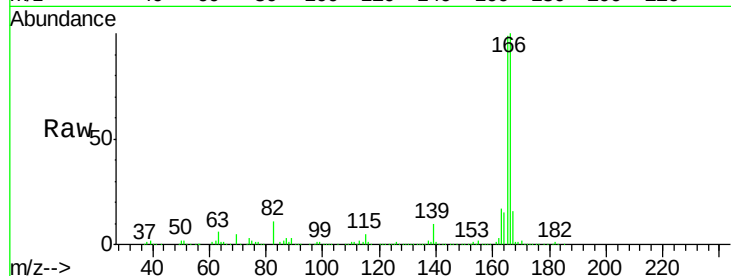




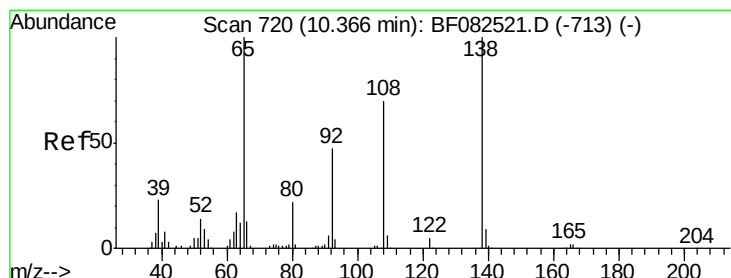
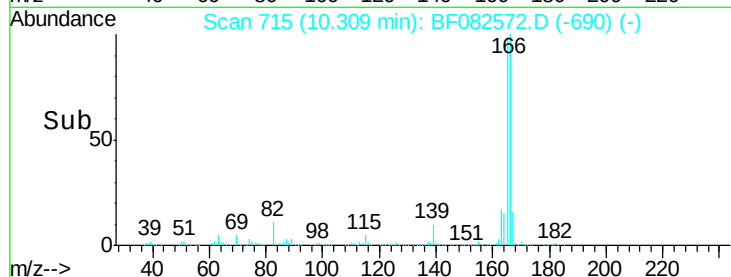
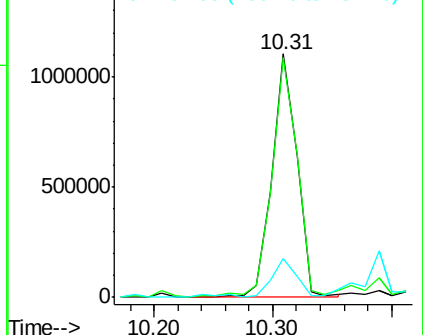
#57
 Fluorene
 Concen: 168.48 ng
 RT: 10.31 min Scan# 715
 Delta R.T. -0.01 min
 Lab File: BF082572.D
 Acq: 28 Oct 2015 4:06

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEP

Tgt Ion:166 Resp: 1601576
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.7 119.5
 167 15.8 11.0 16.4

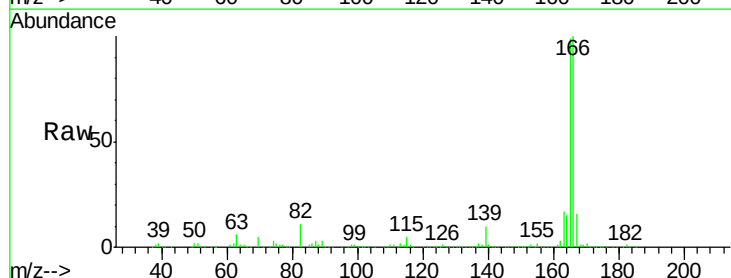


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

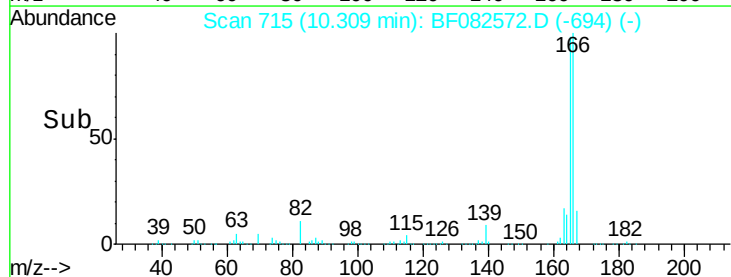
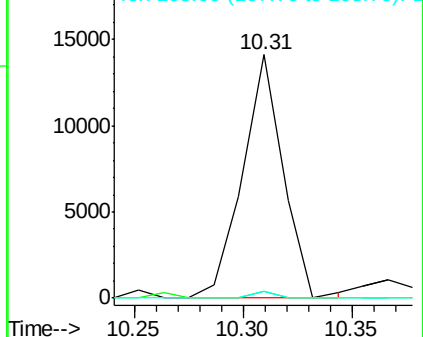


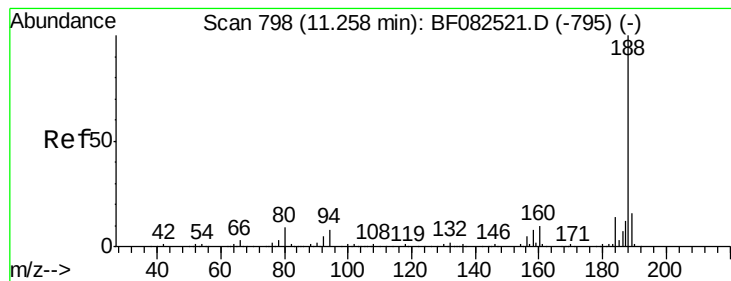
#61
 4-Nitroaniline
 Concen: 7.52 ng
 RT: 10.31 min Scan# 715
 Delta R.T. -0.06 min
 Lab File: BF082572.D
 Acq: 28 Oct 2015 4:06

Tgt Ion:138 Resp: 18369
 Ion Ratio Lower Upper
 138 100
 92 2.7 27.3 67.3#
 108 2.9 49.8 89.8#



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: 11.27 min Scan# 799

Delta R.T. 0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

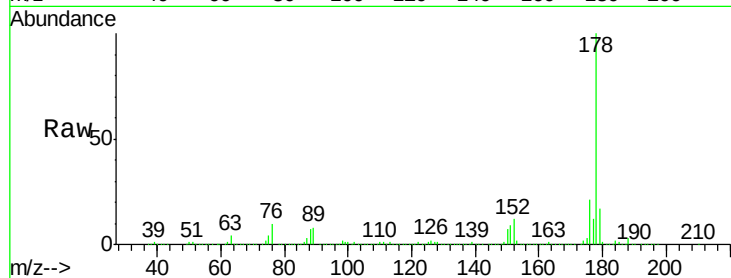
Tgt Ion:188 Resp: 164979

Ion Ratio Lower Upper

188 100

94 9.0 6.4 9.6

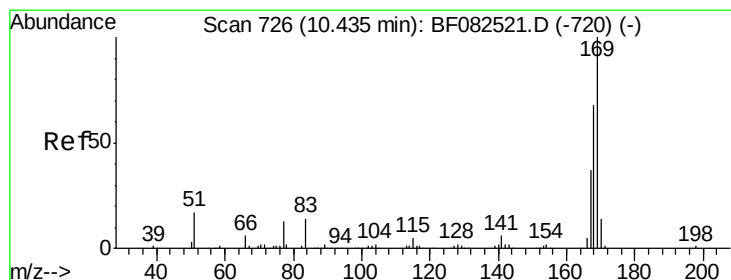
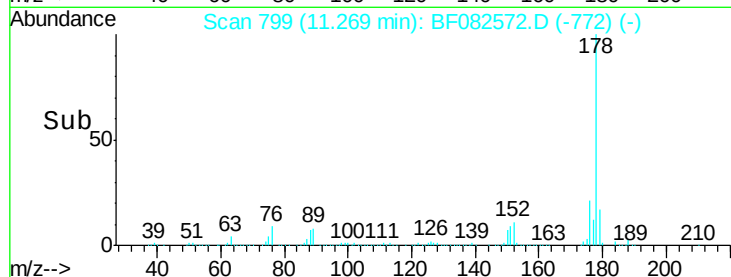
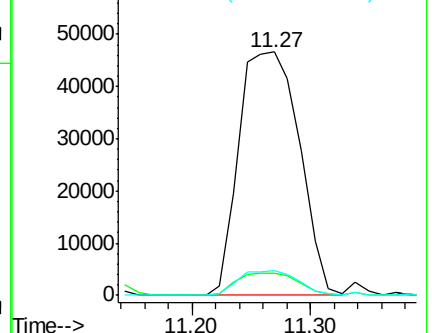
80 10.1 7.0 10.6



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



#65

n-Nitrosodiphenylamine

Concen: 6.86 ng

RT: 10.43 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

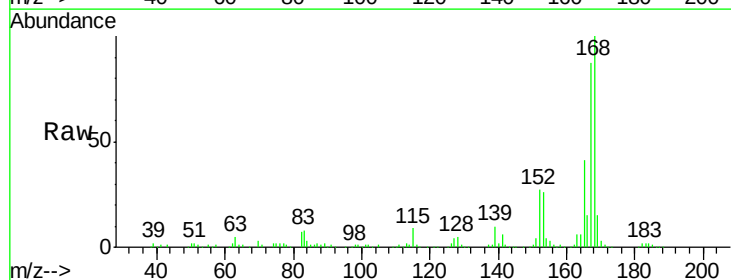
Tgt Ion:169 Resp: 34222

Ion Ratio Lower Upper

169 100

168 684.6 54.8 82.2#

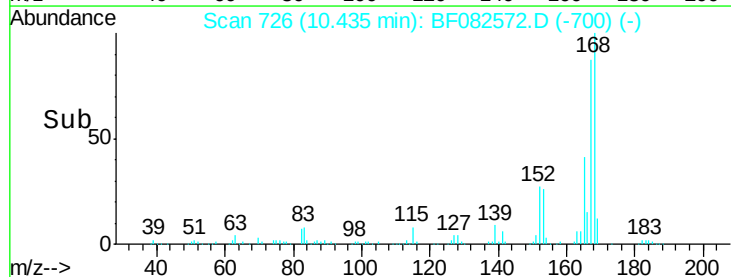
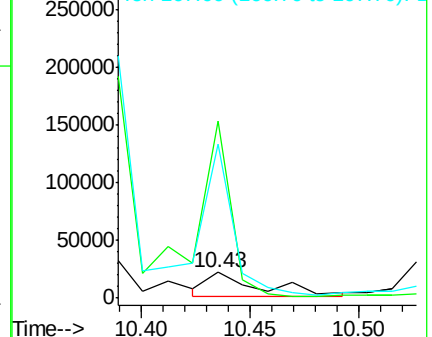
167 593.0 29.5 44.3#

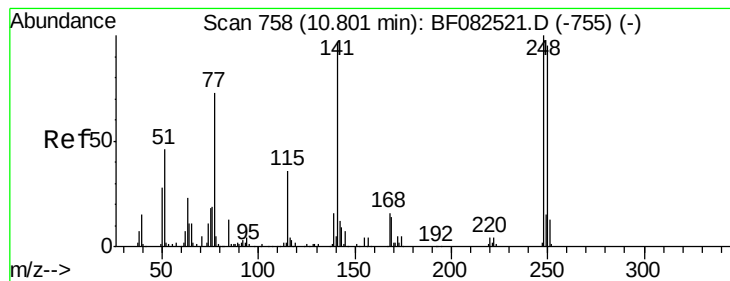


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 5.80 ng

RT: 10.55 min Scan# 736

Delta R.T. -0.25 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

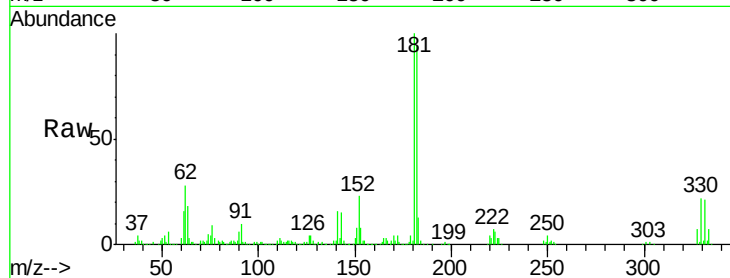
Tgt Ion:248 Resp: 8986

Ion Ratio Lower Upper

248 100

250 196.0 76.0 114.0#

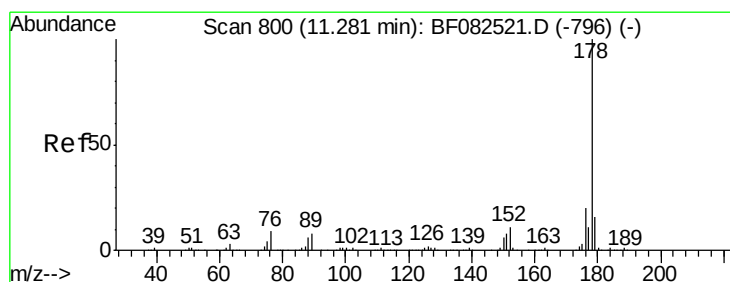
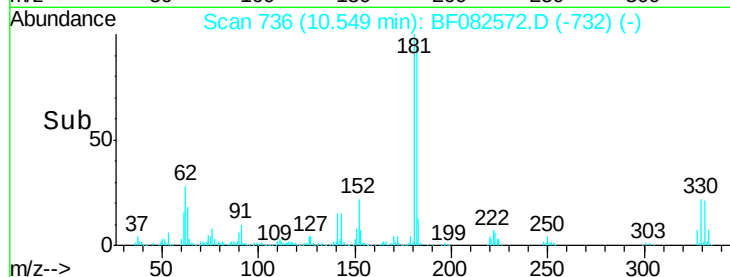
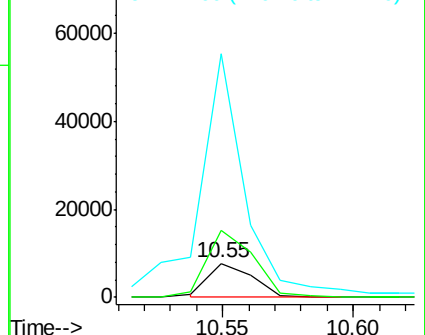
141 718.1 77.5 116.3#



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: 1353.81 ng

RT: 11.33 min Scan# 804

Delta R.T. 0.05 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

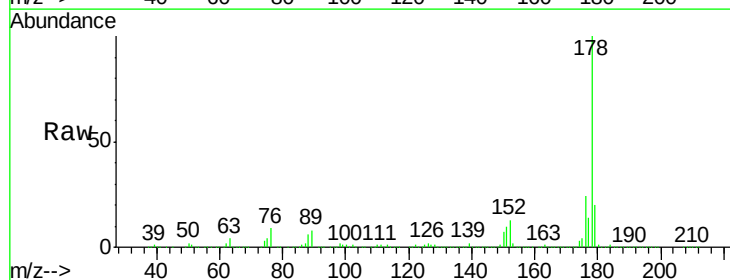
Tgt Ion:178 Resp:11494566

Ion Ratio Lower Upper

178 100

176 24.5 15.9 23.9#

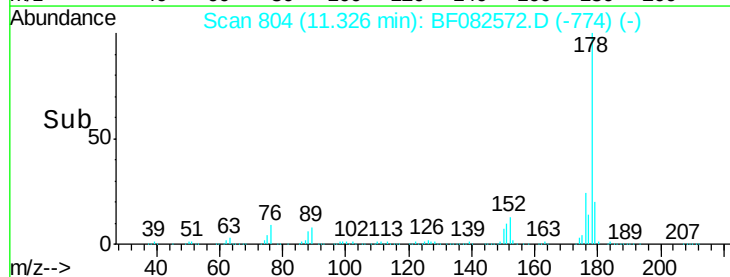
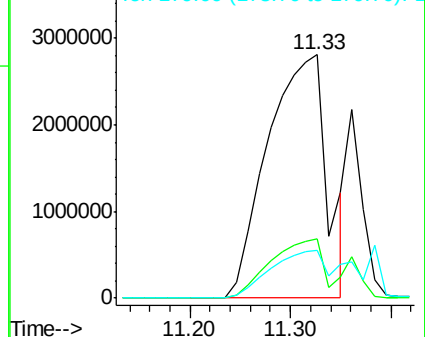
179 19.6 12.8 19.2#

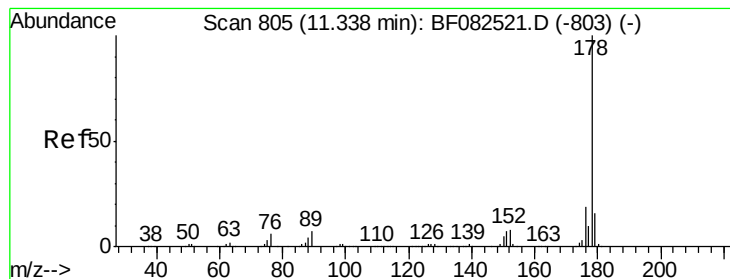


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 1344.34 ng

RT: 11.33 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

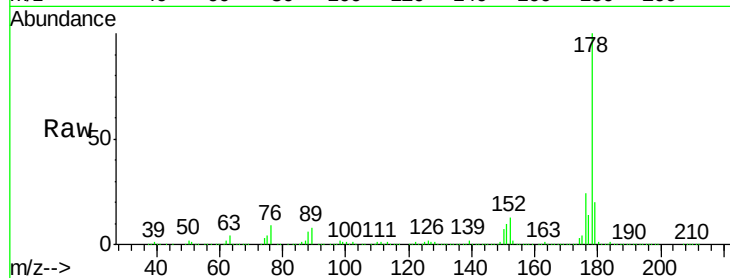
Tgt Ion:178 Resp:11494566

Ion Ratio Lower Upper

178 100

176 24.5 15.2 22.8#

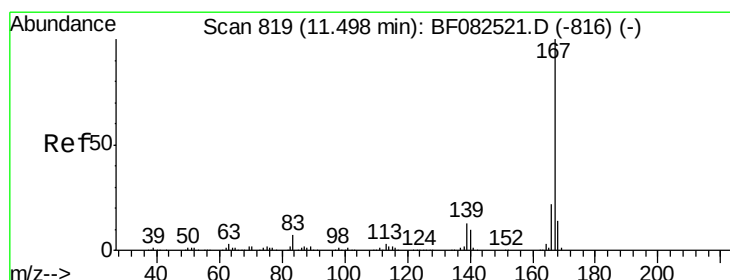
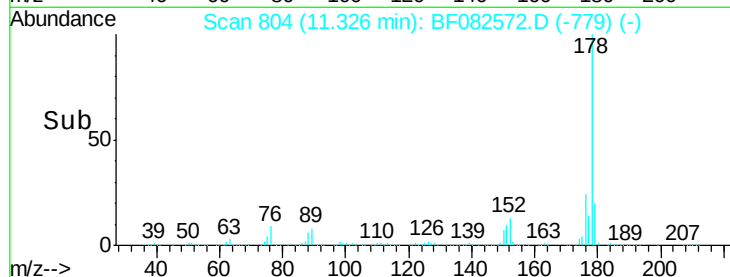
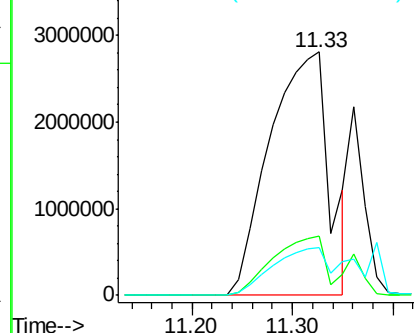
179 19.6 12.6 19.0#



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: 388.98 ng

RT: 11.51 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

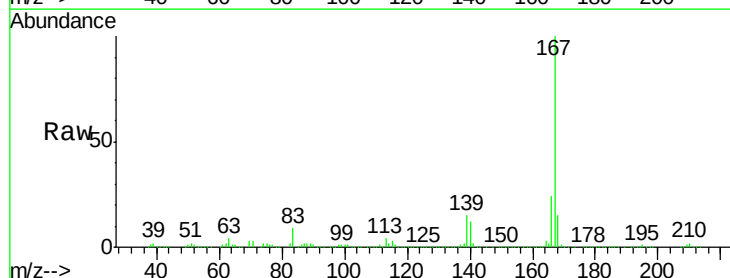
Tgt Ion:167 Resp: 2932940

Ion Ratio Lower Upper

167 100

166 24.4 17.9 26.9

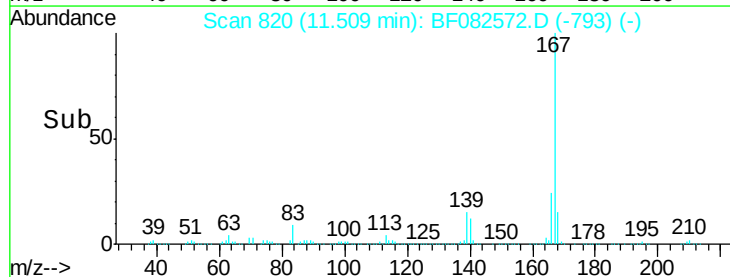
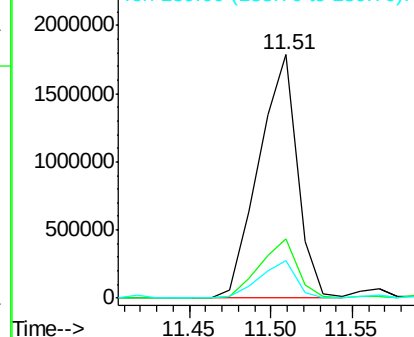
139 15.3 10.4 15.6

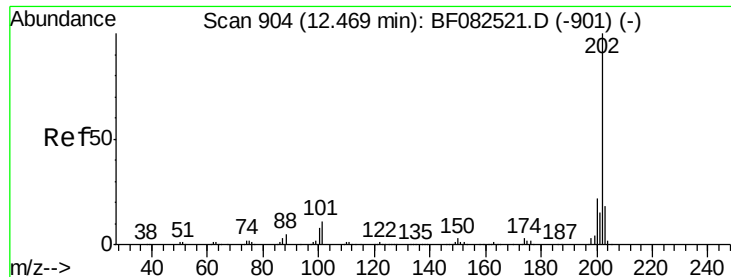


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 1273.90 ng

RT: 12.53 min Scan# 909

Delta R.T. 0.06 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

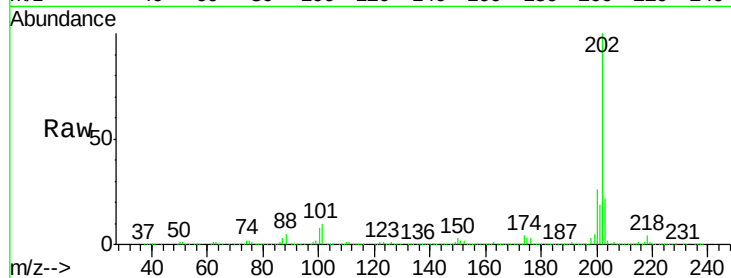
Tgt Ion:202 Resp:11102320

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.2

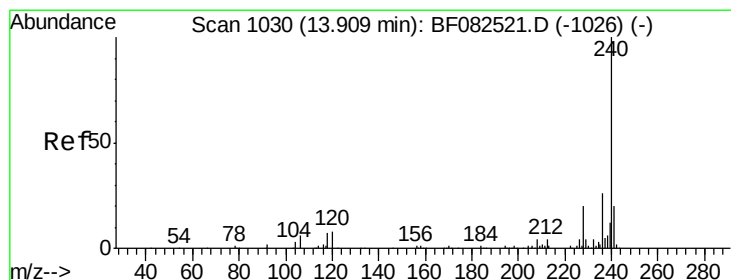
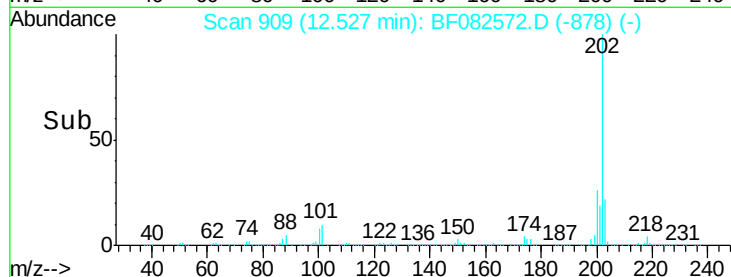
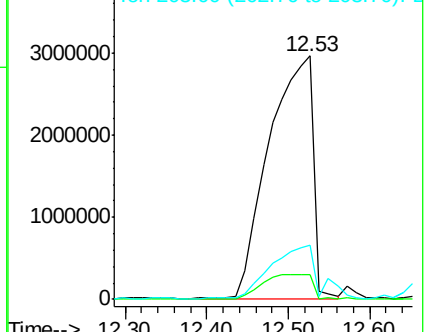
203 22.1 0.0 38.1



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: 13.94 min Scan# 1033

Delta R.T. 0.03 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

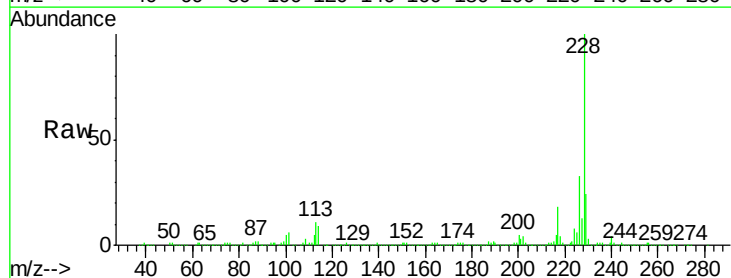
Tgt Ion:240 Resp: 136212

Ion Ratio Lower Upper

240 100

120 10.5 6.5 9.7#

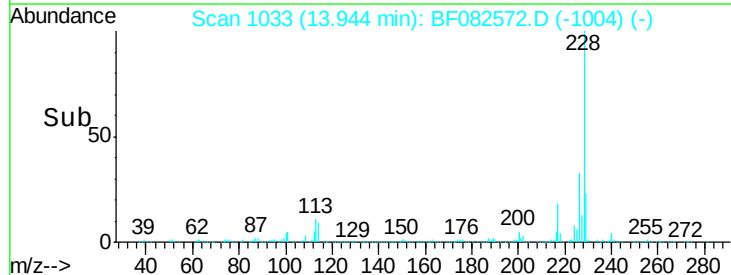
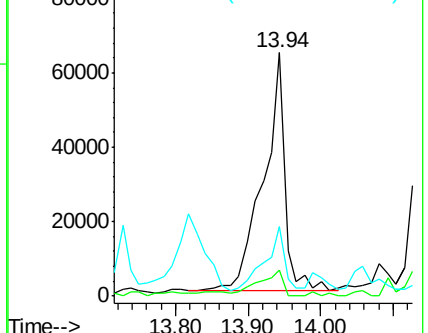
236 28.7 20.5 30.7

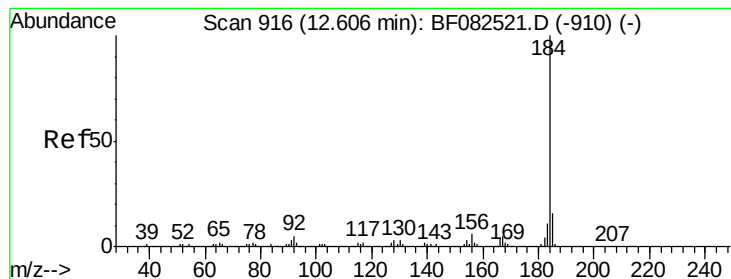


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.81 ng

RT: 12.64 min Scan# 919

Delta R.T. 0.03 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

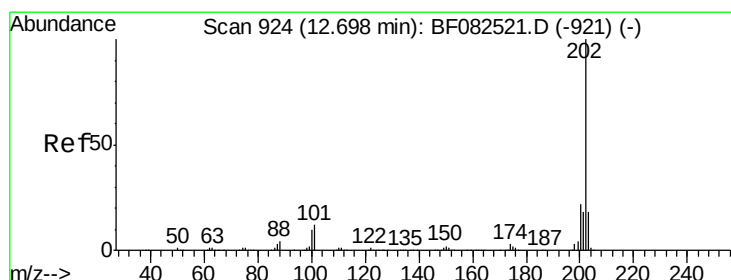
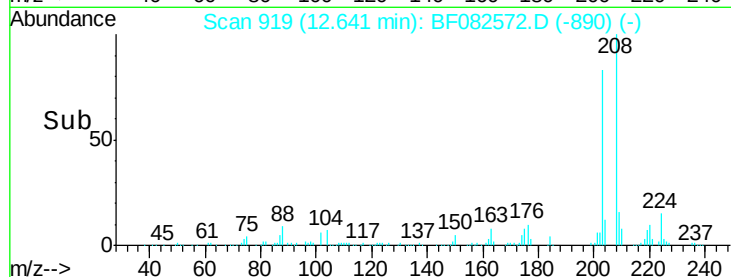
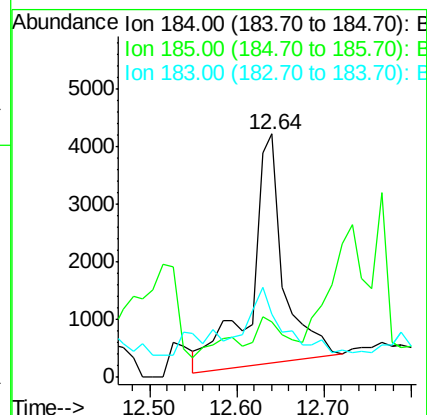
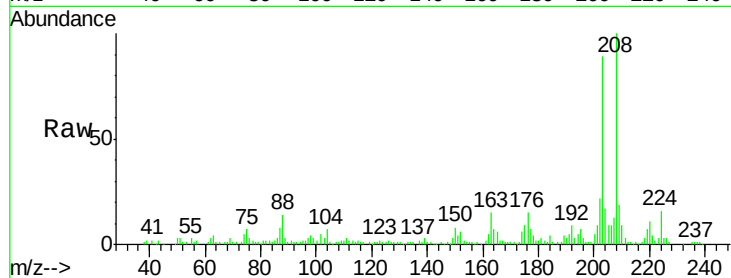
Tgt Ion:184 Resp: 10510

Ion Ratio Lower Upper

184 100

185 22.7 12.8 19.2#

183 25.8 8.9 13.3#



#77

Pyrene

Concen: 1054.81 ng

RT: 12.76 min Scan# 929

Delta R.T. 0.06 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

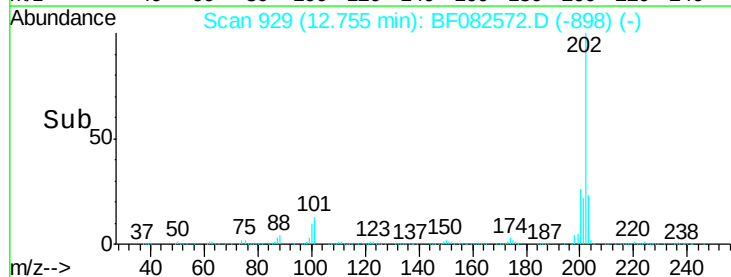
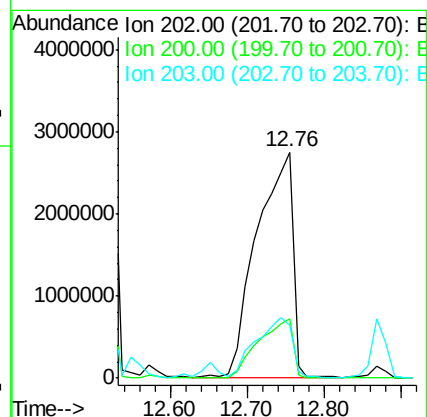
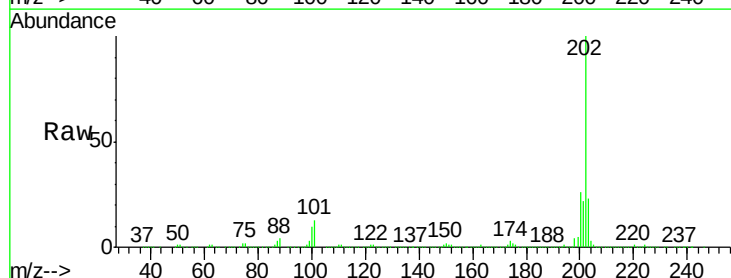
Tgt Ion:202 Resp: 8837422

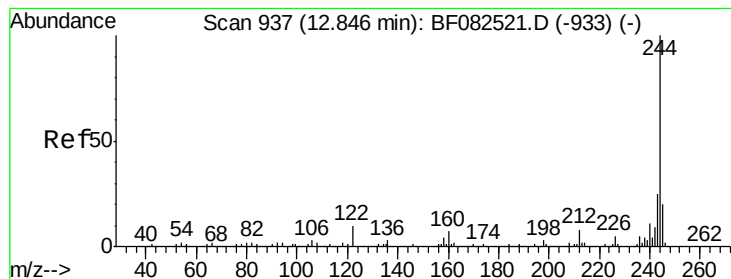
Ion Ratio Lower Upper

202 100

200 26.4 17.6 26.4#

203 23.3 14.6 22.0#





#78

Terphenyl-d14

Concen: 127.69 ng

RT: 12.85 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

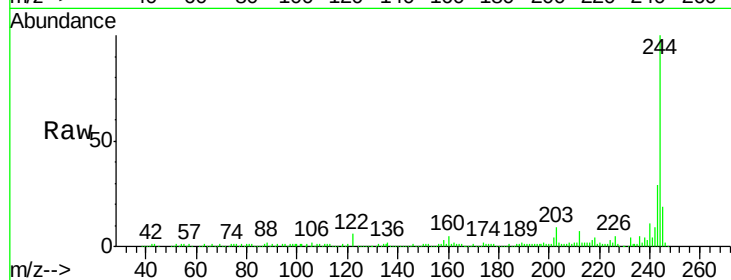
Tgt Ion:244 Resp: 603724

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

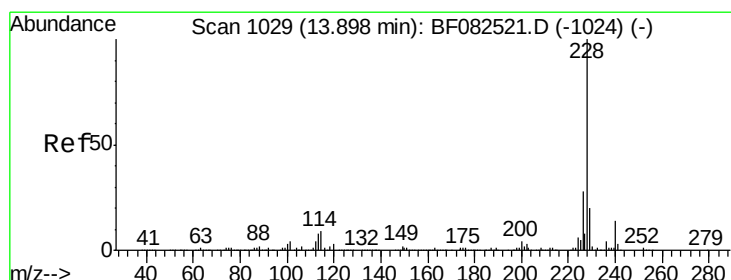
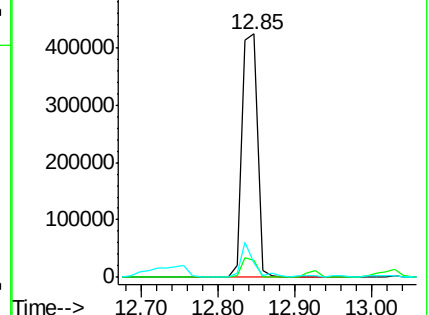
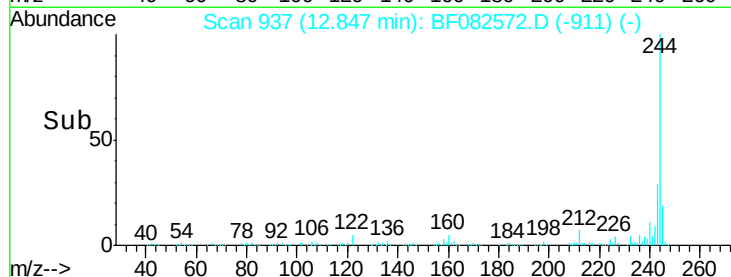
122 5.9 8.1 12.1#



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: 1423.86 ng

RT: 13.93 min Scan# 1032

Delta R.T. 0.03 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

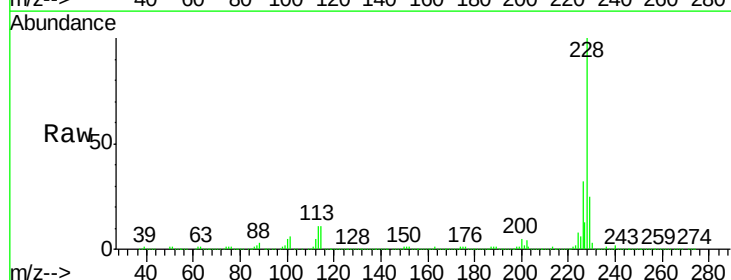
Tgt Ion:228 Resp:10397822

Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

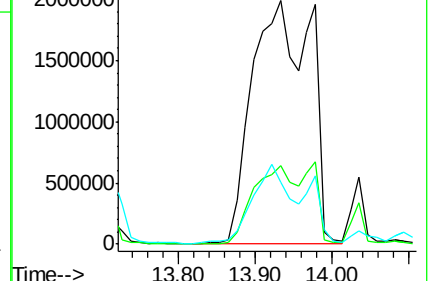
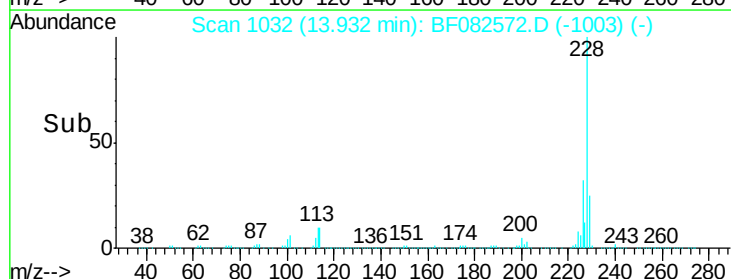
229 25.3 16.1 24.1#

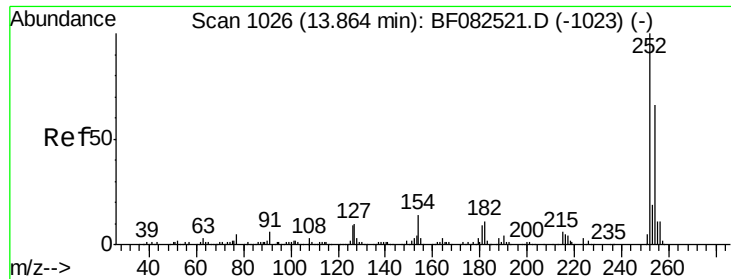


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#81

3,3'-Dichlorobenzidine

Concen: 15.02 ng

RT: 13.97 min Scan# 1035

Delta R.T. 0.10 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

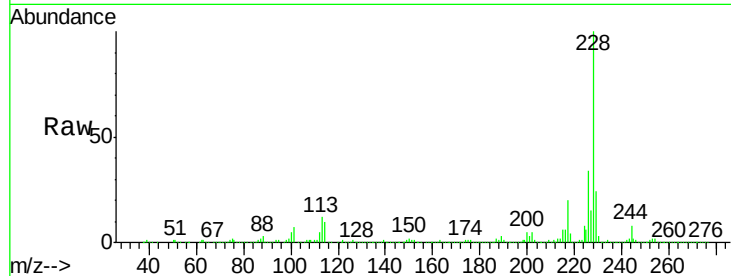
Instrument :

BNA_F

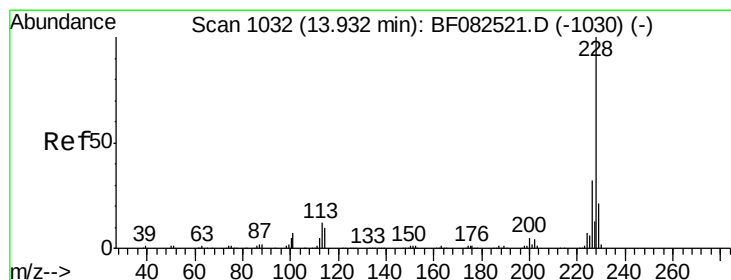
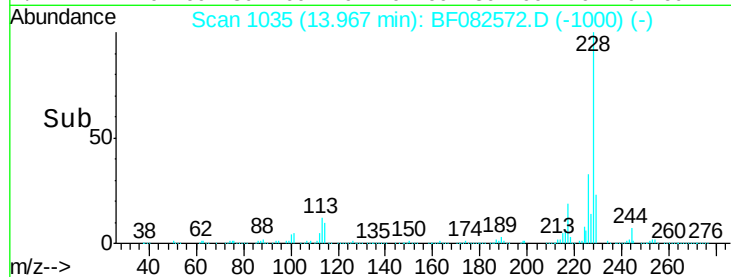
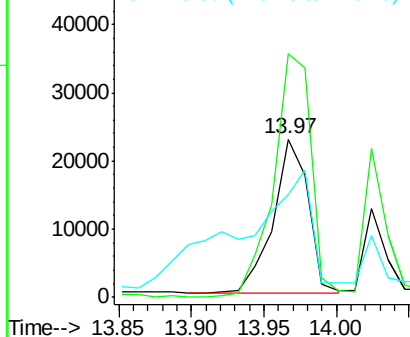
ClientSampleId :

S5-BOILERROOM2.5FTDEEP

Tgt Ion:	252	Resp:	38022
Ion Ratio	Lower	Upper	
252	100		
254	153.7	53.0	79.6#
126	64.5	7.4	11.2#



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: 1507.32 ng

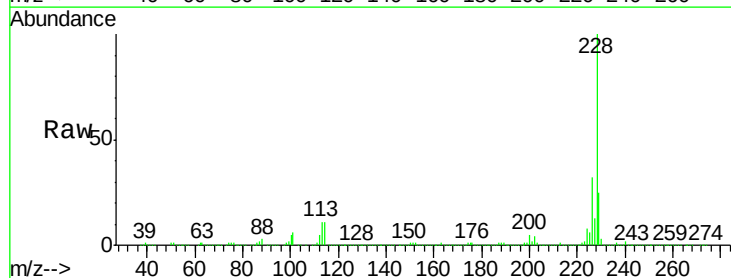
RT: 13.93 min Scan# 1032

Delta R.T. 0.00 min

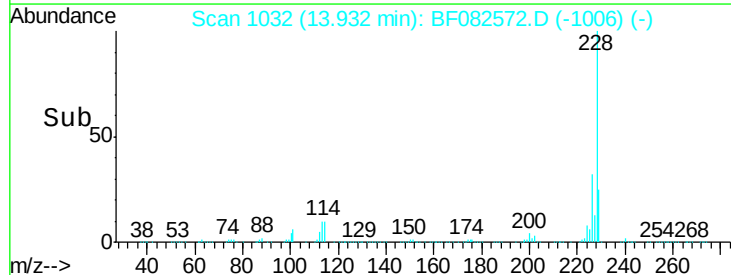
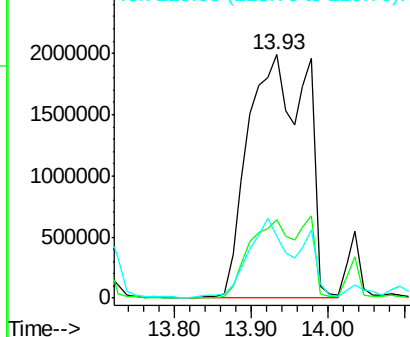
Lab File: BF082572.D

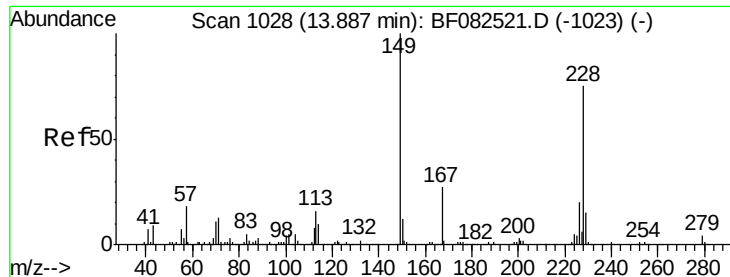
Acq: 28 Oct 2015 4:06

Tgt Ion:	228	Resp:	10397822
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.2	37.8
229	25.3	16.3	24.5#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

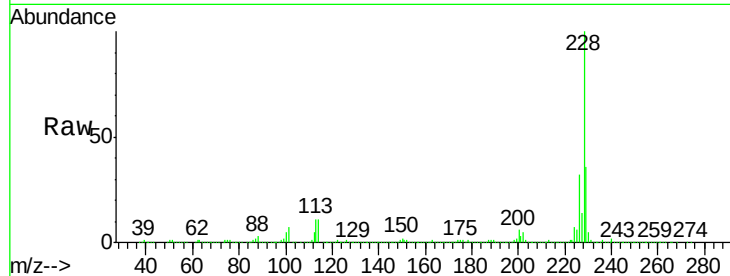




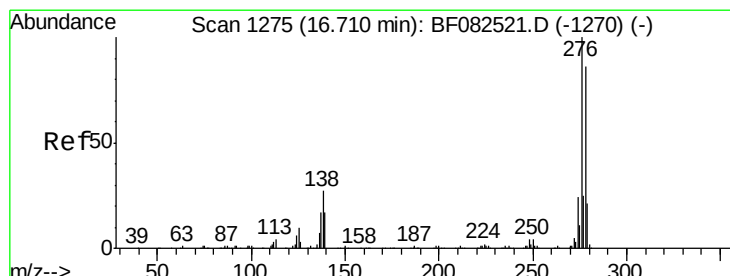
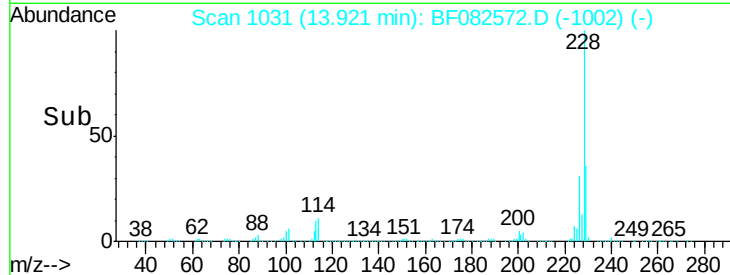
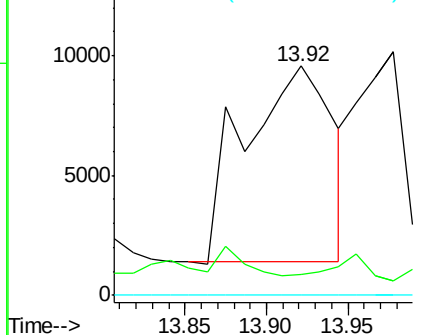
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.43 ng
 RT: 13.92 min Scan# 1031
 Delta R.T. 0.03 min
 Lab File: BF082572.D
 Acq: 28 Oct 2015 4:06

Instrument :
 BNA_F
 ClientSampleId :
 S5-BOILERROOM2.5FTDEEP

Tgt Ion:149 Resp: 30324
 Ion Ratio Lower Upper
 149 100
 167 9.1 21.8 32.6#
 279 0.0 3.0 4.6#

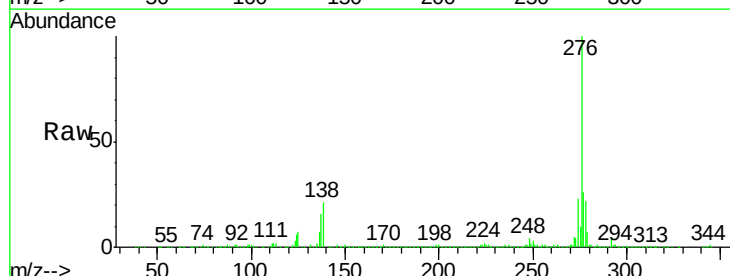


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

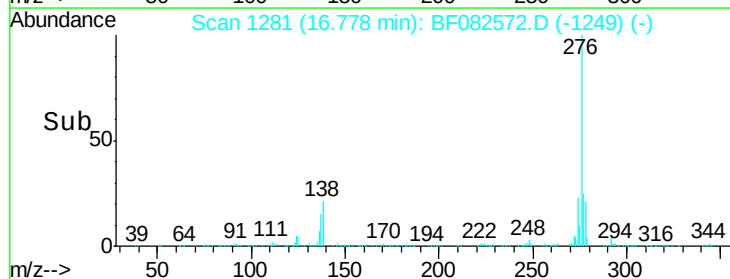
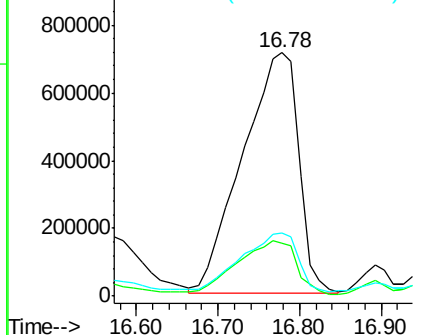


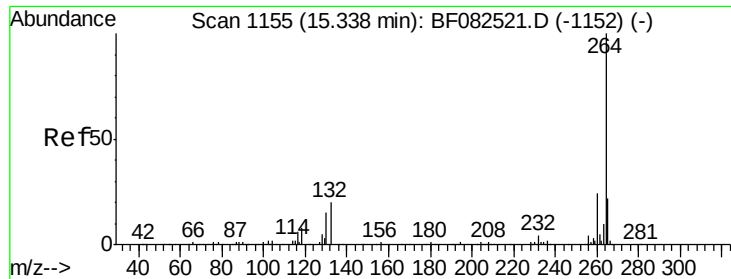
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 534.52 ng
 RT: 16.78 min Scan# 1281
 Delta R.T. 0.07 min
 Lab File: BF082572.D
 Acq: 28 Oct 2015 4:06

Tgt Ion:276 Resp: 3387568
 Ion Ratio Lower Upper
 276 100
 138 23.2 20.6 30.8
 277 24.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

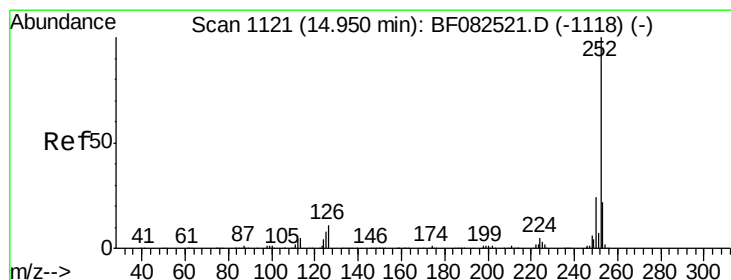
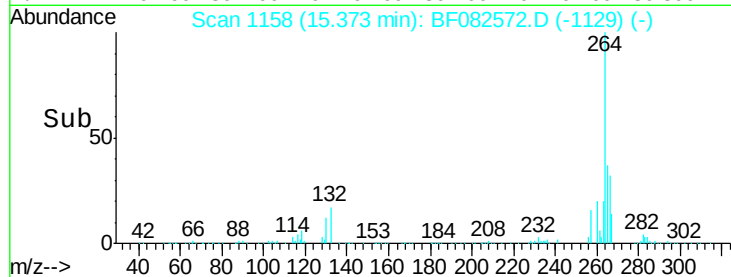
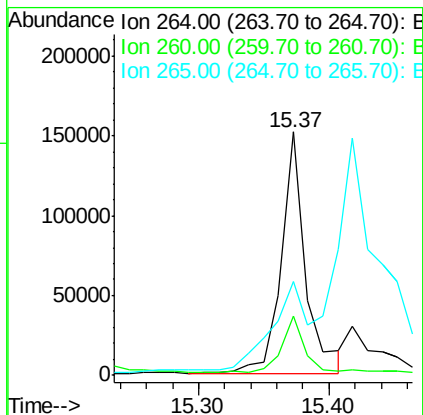
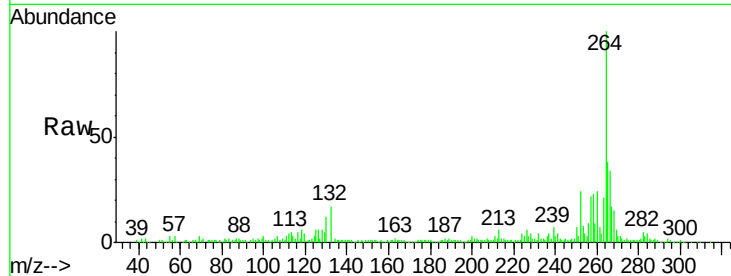




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1158
Delta R.T. 0.03 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

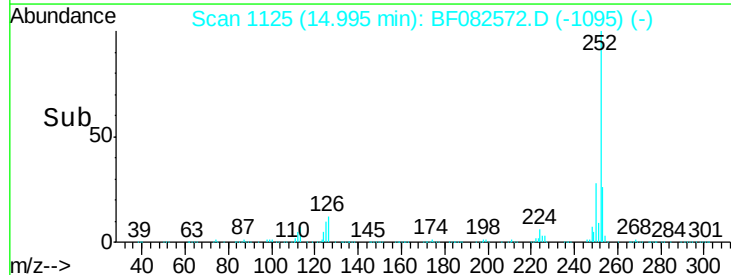
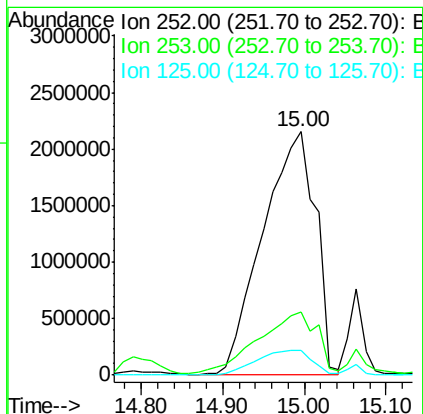
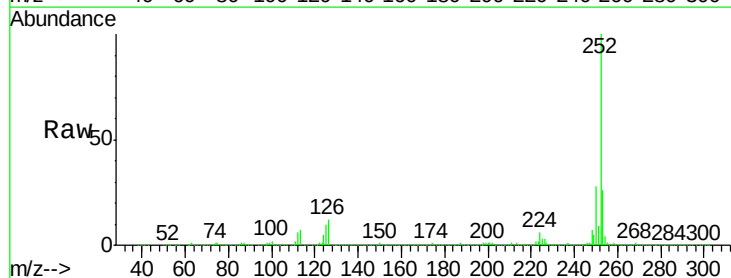
Instrument :
BNA_F
ClientSampleId :
S5-BOILERROOM2.5FTDEEP

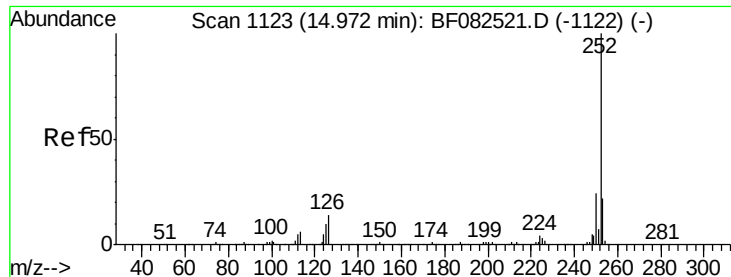
Tgt Ion: 264 Resp: 197557
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 38.4 17.8 26.6#



#87
Benzo(b)fluoranthene
Concen: 817.16 ng
RT: 15.00 min Scan# 1125
Delta R.T. 0.05 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

Tgt Ion: 252 Resp: 9587050
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.8
125 10.2 6.6 10.0#

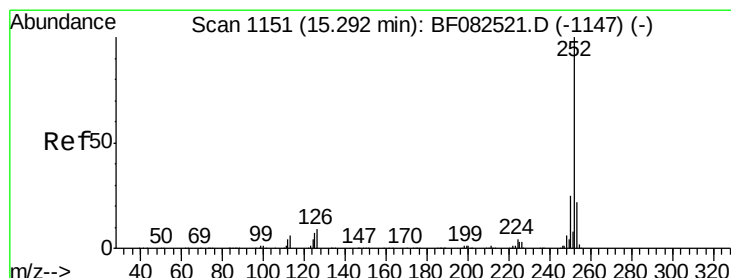
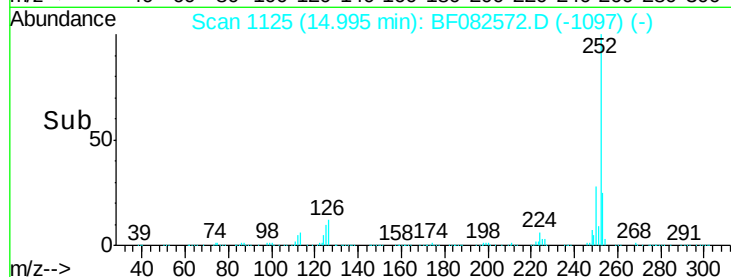
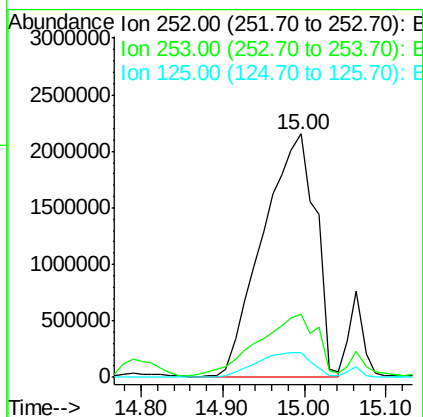
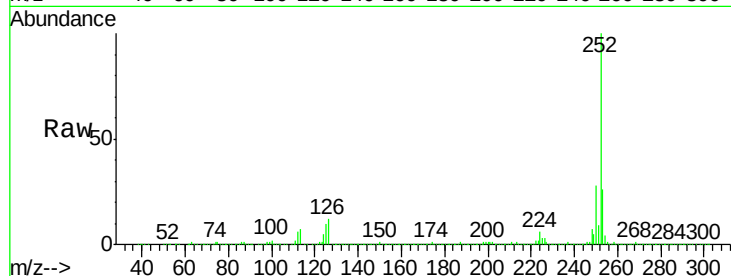




#88
Benzo(k)fluoranthene
Concen: 1002.26 ng
RT: 15.00 min Scan# 1125
Delta R.T. 0.02 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

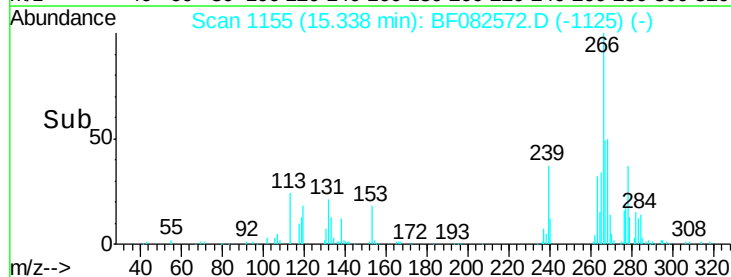
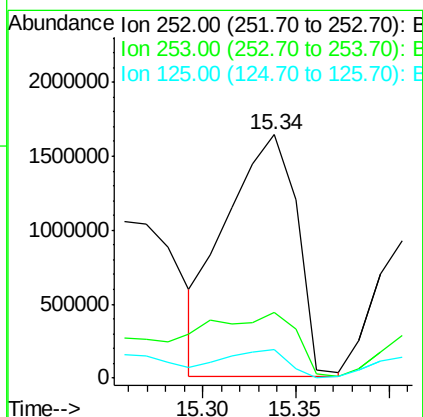
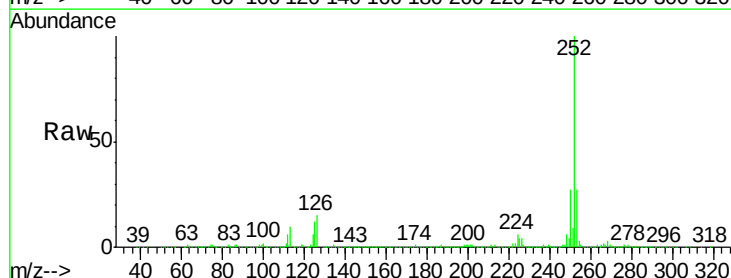
Instrument :
BNA_F
ClientSampleId :
S5-BOILERROOM2.5FTDEEP

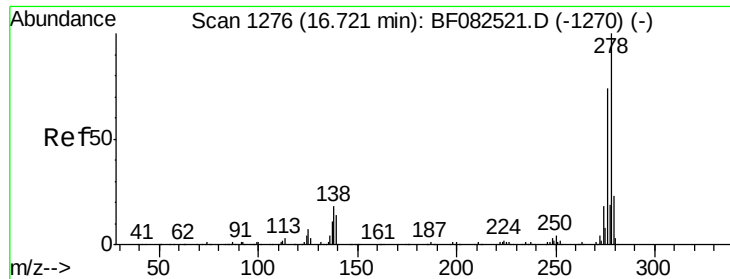
Tgt Ion:252 Resp: 9586156
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 10.2 8.7 13.1



#89
Benzo(a)pyrene
Concen: 424.93 ng
RT: 15.34 min Scan# 1155
Delta R.T. 0.05 min
Lab File: BF082572.D
Acq: 28 Oct 2015 4:06

Tgt Ion:252 Resp: 4319064
Ion Ratio Lower Upper
252 100
253 26.8 17.3 25.9#
125 11.6 5.9 8.9#





#90

Dibenzo(a,h)anthracene

Concen: 153.81 ng

RT: 16.73 min Scan# 1277

Delta R.T. 0.01 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

Instrument :

BNA_F

ClientSampleId :

S5-BOILERROOM2.5FTDEEP

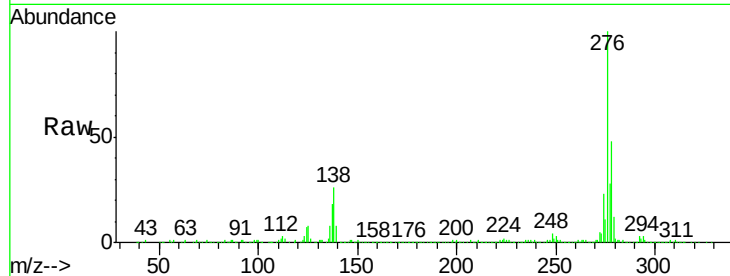
Tgt Ion:278 Resp: 1307955

Ion Ratio Lower Upper

278 100

139 15.7 11.6 17.4

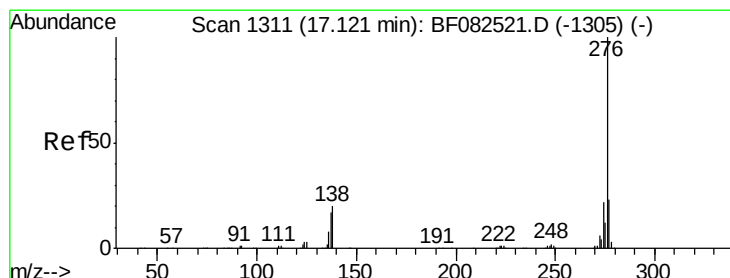
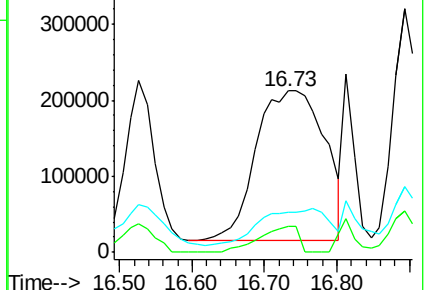
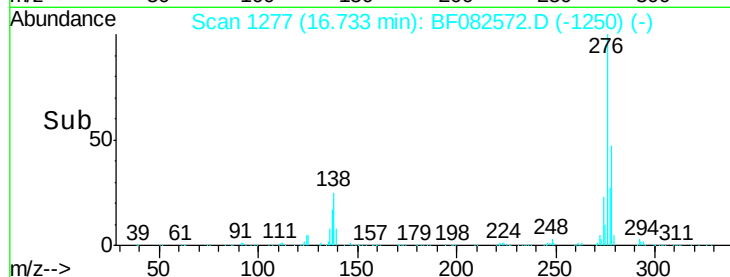
279 25.1 18.7 28.1



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: 350.12 ng

RT: 17.21 min Scan# 1319

Delta R.T. 0.09 min

Lab File: BF082572.D

Acq: 28 Oct 2015 4:06

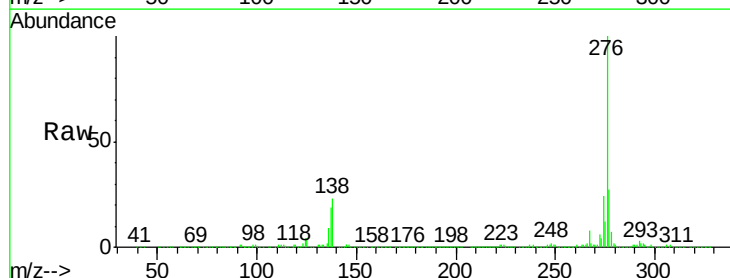
Tgt Ion:276 Resp: 2945952

Ion Ratio Lower Upper

276 100

277 26.8 18.3 27.5

138 22.7 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

