

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102715\
 Data File : BF082567.D
 Acq On : 28 Oct 2015 1:19
 Operator : UM/IZ
 Sample : G4178-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

Quant Time: Oct 28 02:12:09 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

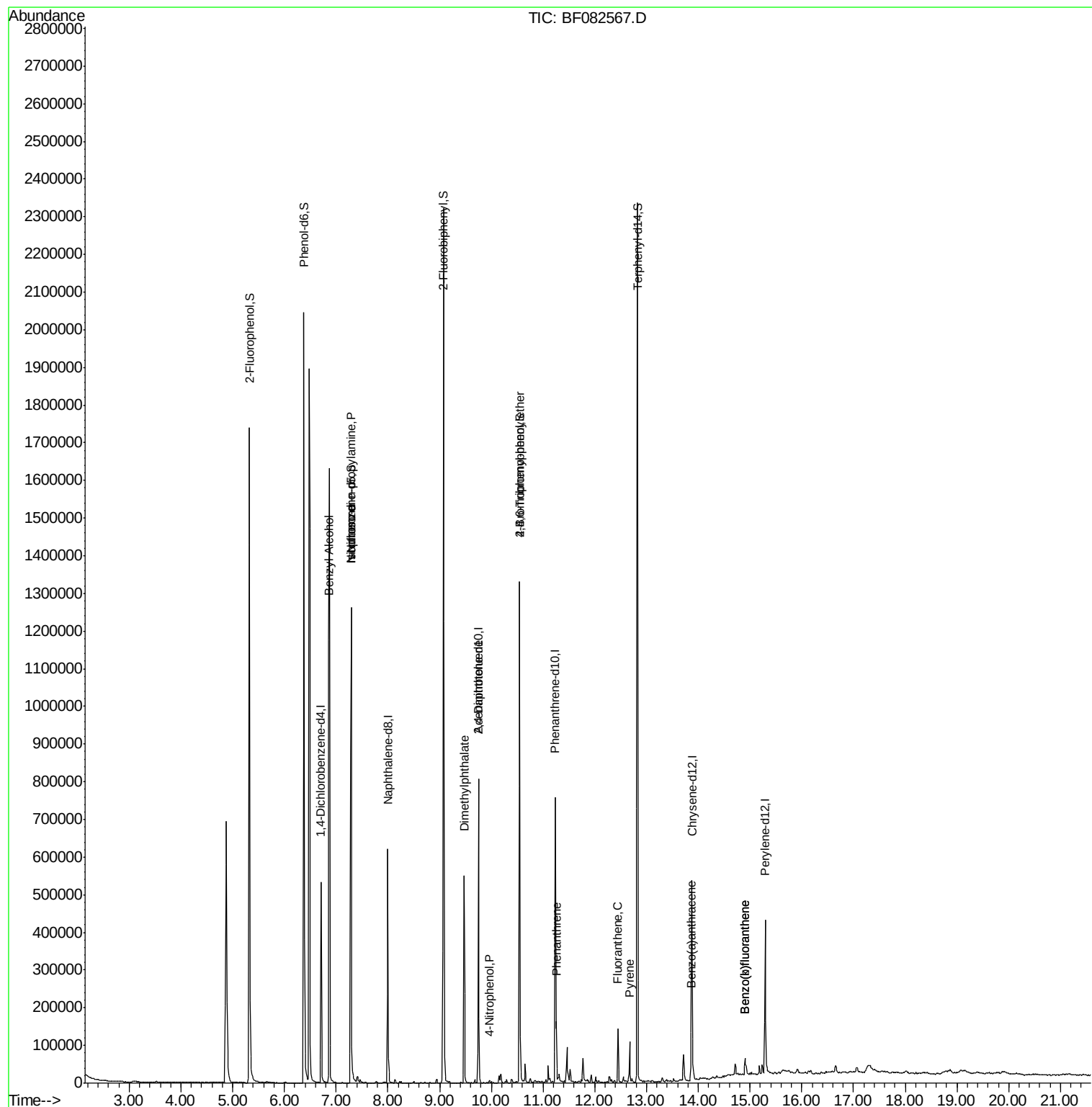
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	89161	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	334722	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	165399	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	282406	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	189704	20.00	ng	-0.03
86) Perylene-d12	15.29	264	185554	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	721491	159.74	ng	0.01
7) Phenol-d6	6.38	99	862841	146.58	ng	0.00
23) Nitrobenzene-d5	7.29	82	581490	112.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	189940	153.36	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	974460	93.68	ng	-0.02
78) Terphenyl-d14	12.82	244	770348	116.99	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.38	77	1160	Below Cal	#	3
15) Benzyl Alcohol	6.86	79	8988	2.19 ng	#	61
19) n-Nitroso-di-n-propylamine	7.29	70	75416	19.66 ng	#	74
25) Isophorone	7.29	82	554612	53.80 ng	#	64
49) Dimethylphthalate	9.47	163	274114	23.82 ng		100
55) 4-Nitrophenol	9.95	139	1636	7.94 ng	#	11
56) 2,4-Dinitrotoluene	9.75	165	20966	6.85 ng	#	9
66) 4-Bromophenyl-phenylether	10.55	248	14893	5.62 ng	#	1
70) Phenanthrene	11.26	178	62354	4.29 ng		97
74) Fluoranthene	12.45	202	62676	4.20 ng		98
77) Pyrene	12.68	202	46957	4.02 ng		98
80) Benzo(a)anthracene	13.86	228	22385	2.20 ng		100
87) Benzo(b)fluoranthene	14.90	252	32112	2.91 ng	#	98
88) Benzo(k)fluoranthene	14.90	252	32112	3.57 ng		99

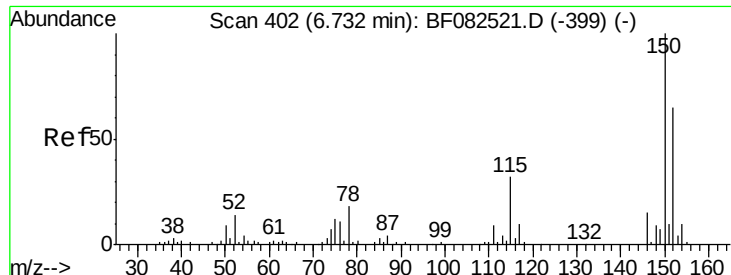
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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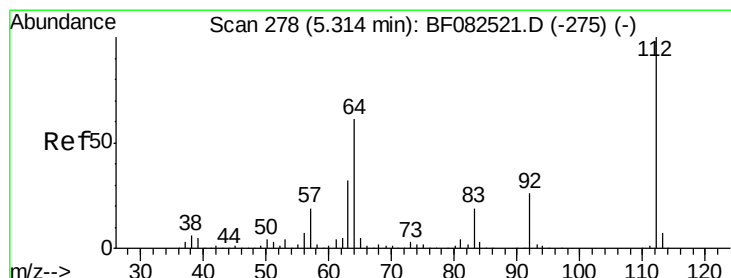
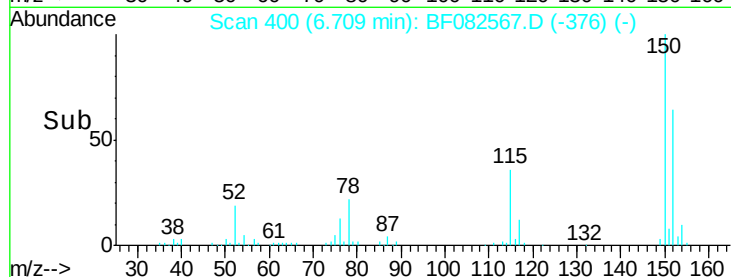
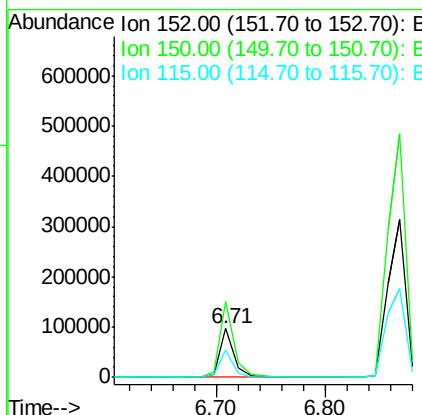
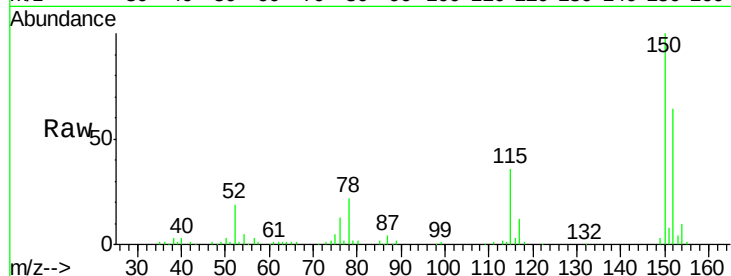




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.71 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

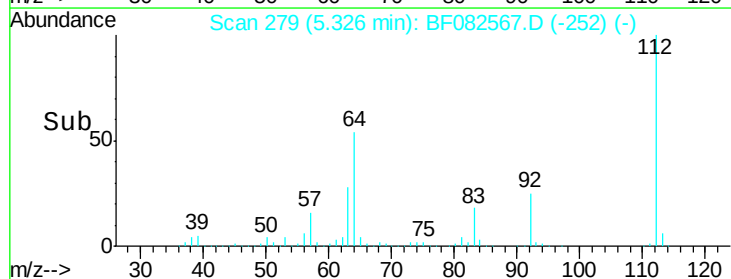
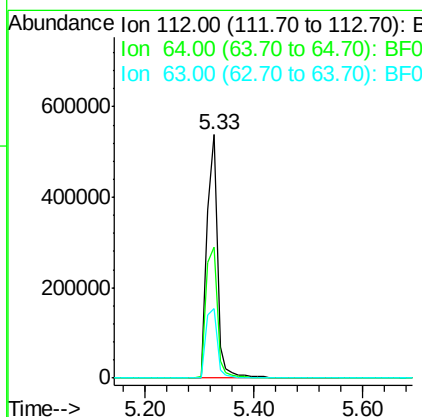
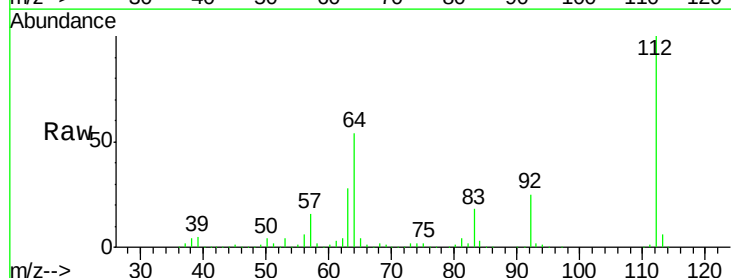
Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

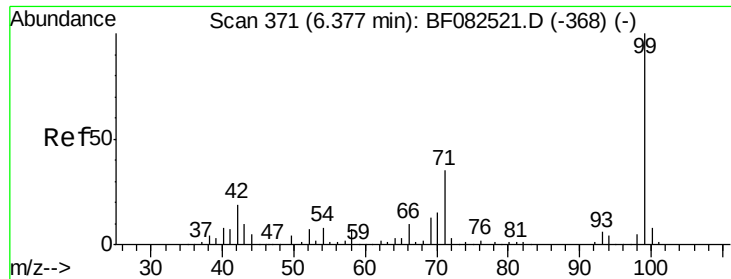
Tgt Ion:152 Resp: 89161
 Ion Ratio Lower Upper
 152 100
 150 155.2 123.4 185.0
 115 55.8 39.0 58.4



#5
 2-Fluorophenol
 Concen: 159.74 ng
 RT: 5.33 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Tgt Ion:112 Resp: 721491
 Ion Ratio Lower Upper
 112 100
 64 53.7 49.0 73.4
 63 28.5 25.8 38.6





#7

Phenol-d6

Concen: 146.58 ng

RT: 6.38 min Scan# 371

Delta R.T. -0.00 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP

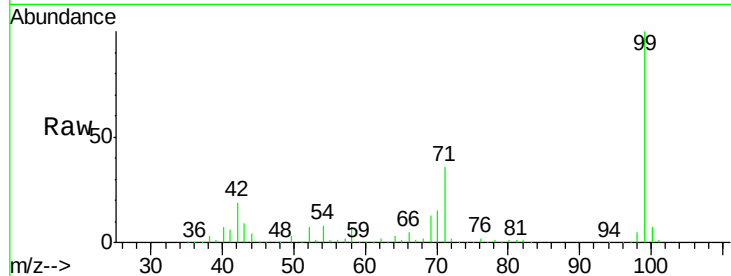
Tgt Ion: 99 Resp: 862841

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

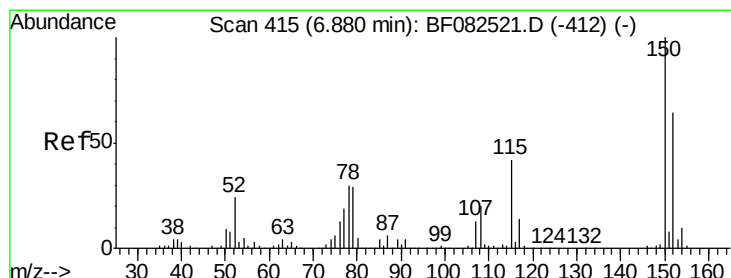
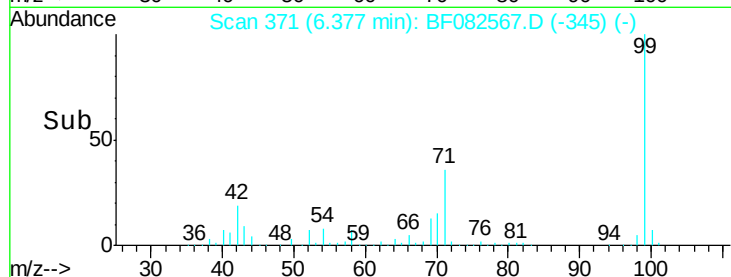
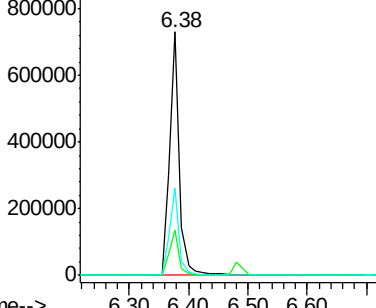
71 35.7 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.19 ng

RT: 6.86 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

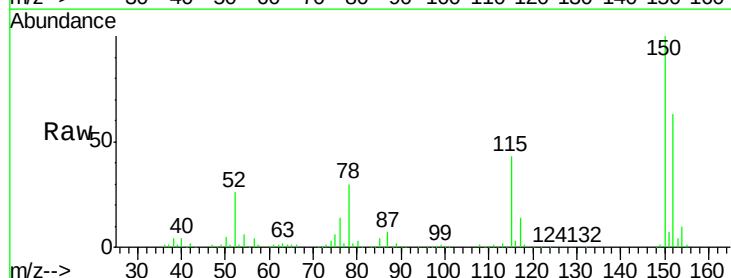
Tgt Ion: 79 Resp: 8988

Ion Ratio Lower Upper

79 100

108 23.5 55.0 82.6#

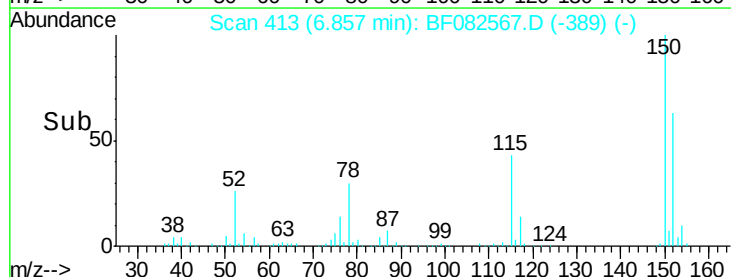
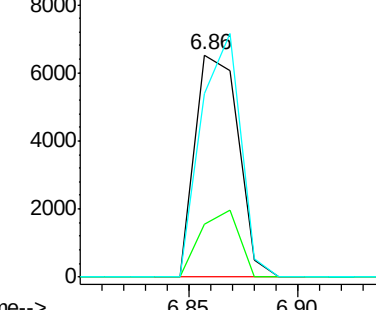
77 82.7 52.5 78.7#

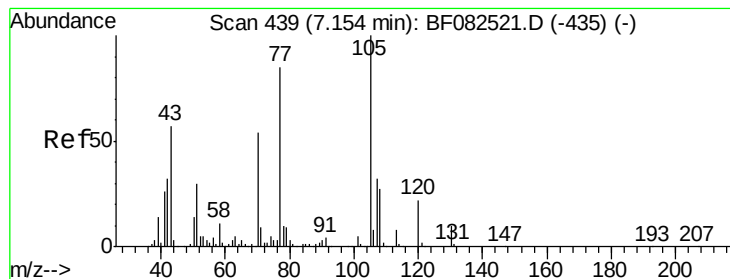


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 19.66 ng

RT: 7.29 min Scan# 451

Delta R.T. 0.14 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP

Tgt Ion: 70 Resp: 75416

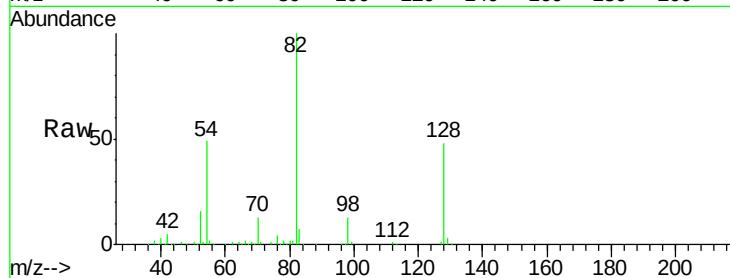
Ion Ratio Lower Upper

70 100

42 41.6 46.9 70.3#

101 0.0 7.4 11.2#

130 2.5 14.2 21.4#

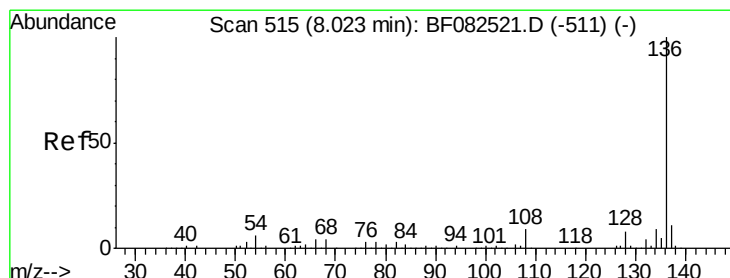
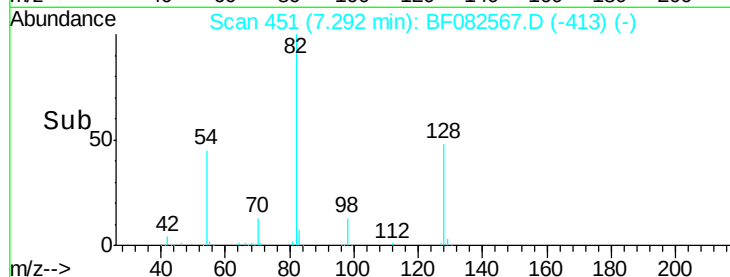
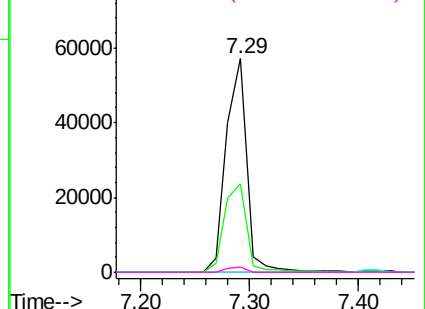


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

Tgt Ion: 136 Resp: 334722

Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 6.9 4.6 7.0

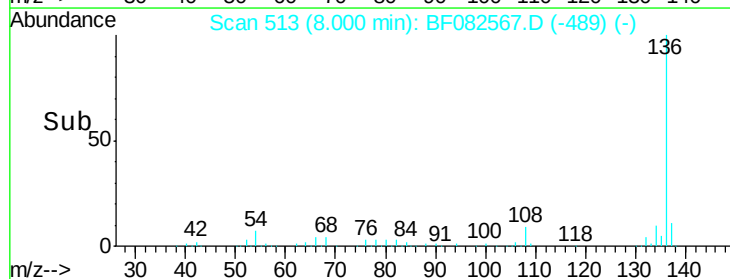
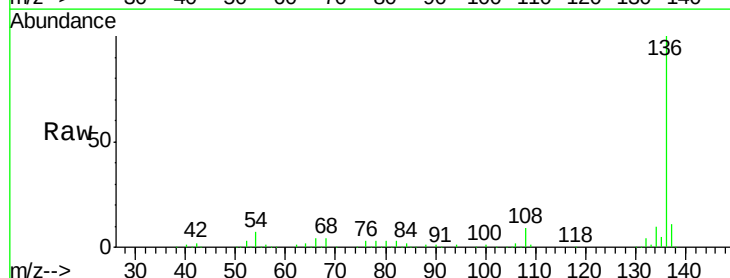
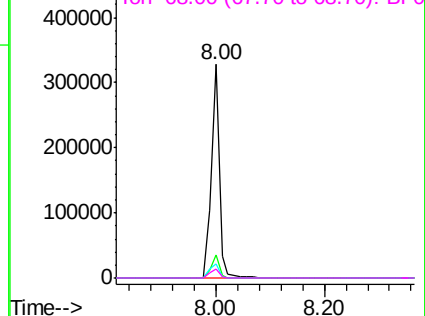
68 4.2 3.2 4.8

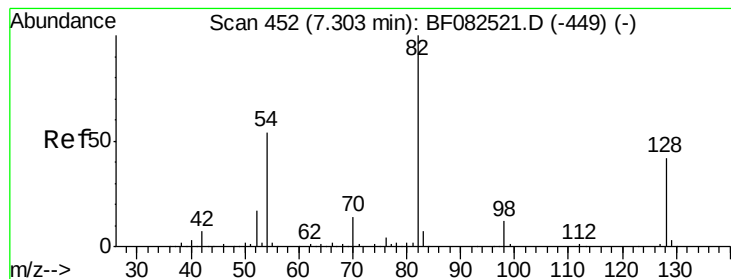
Abundance Ion 136.00 (135.70 to 136.70): E

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: 112.07 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP

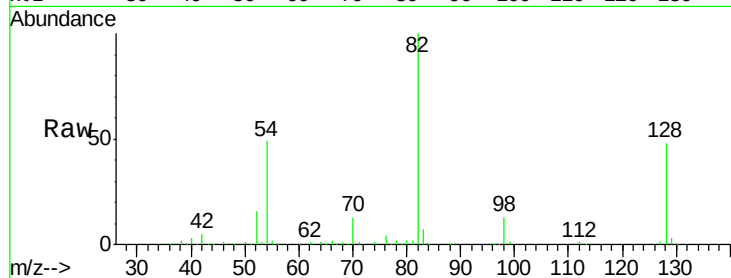
Tgt Ion: 82 Resp: 581490

Ion Ratio Lower Upper

82 100

128 48.0 33.4 50.0

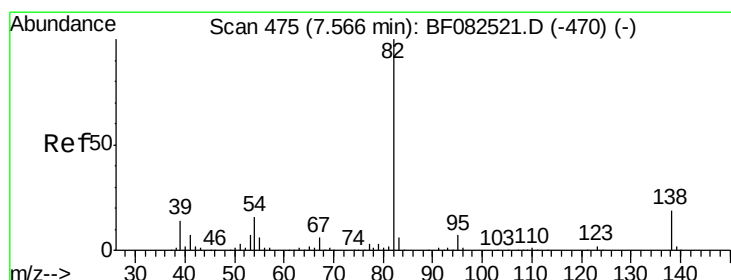
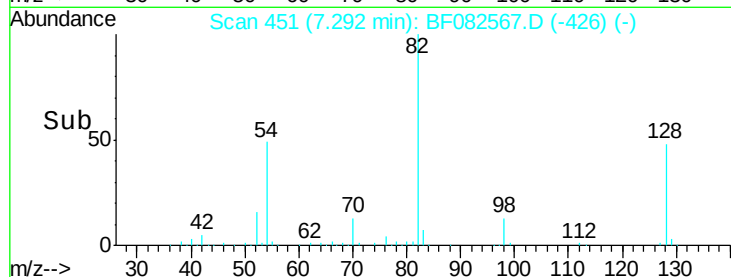
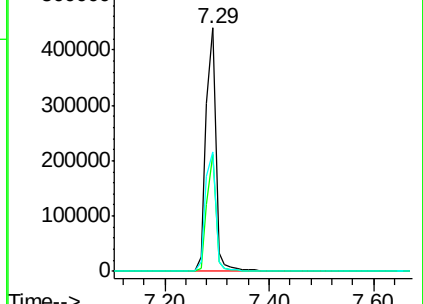
54 49.1 43.5 65.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 53.80 ng

RT: 7.29 min Scan# 451

Delta R.T. -0.27 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

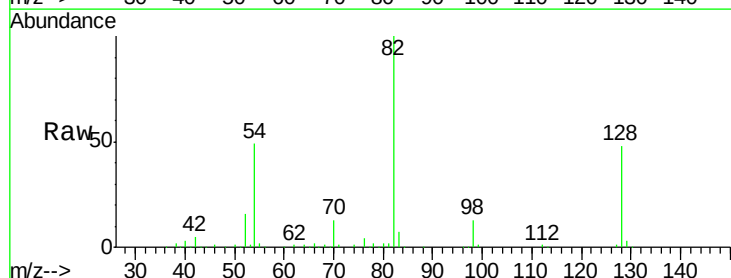
Tgt Ion: 82 Resp: 554612

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

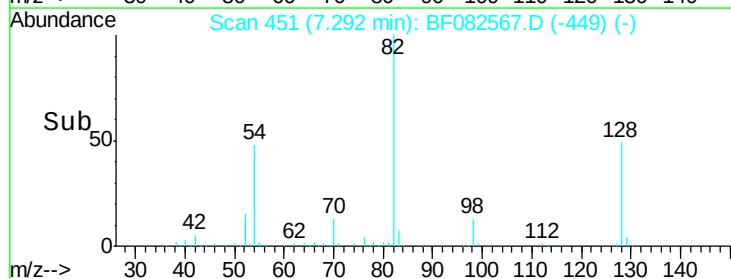
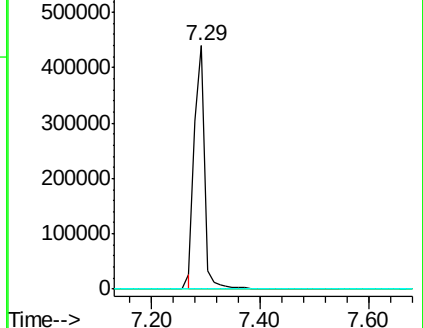
138 0.0 15.0 22.4#

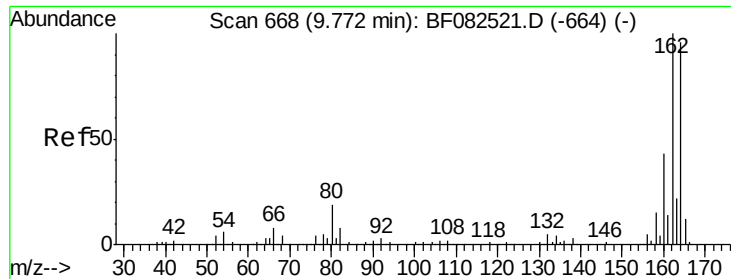


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

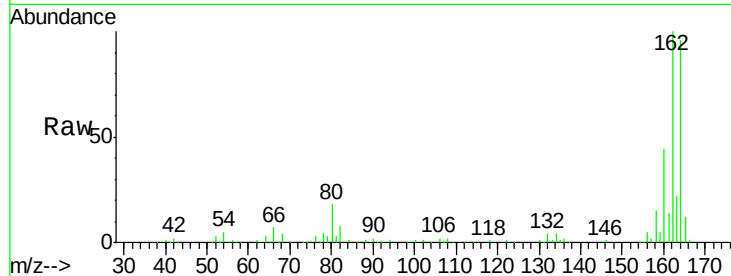




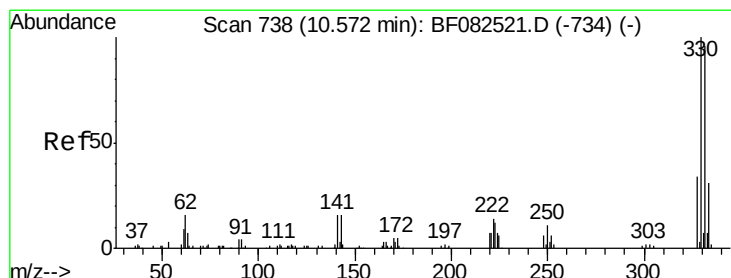
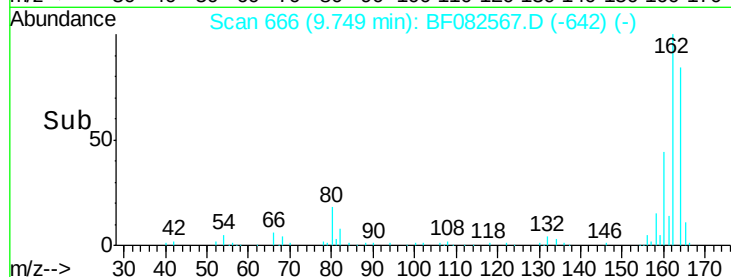
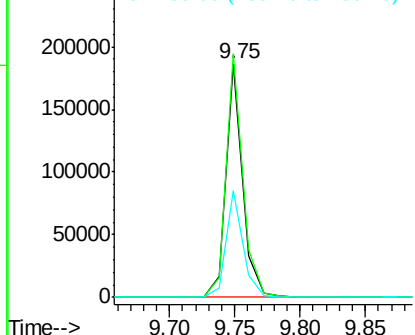
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

Tgt Ion:164 Resp: 165399
 Ion Ratio Lower Upper
 164 100
 162 104.1 83.6 125.4
 160 45.6 36.0 54.0

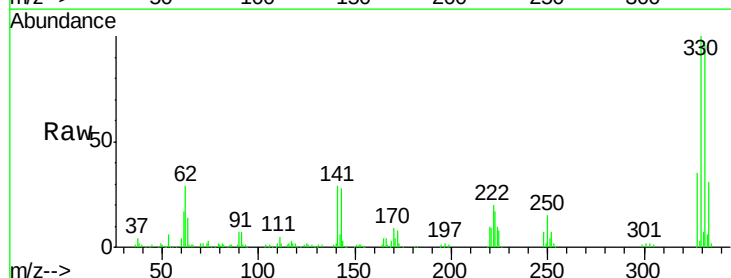


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

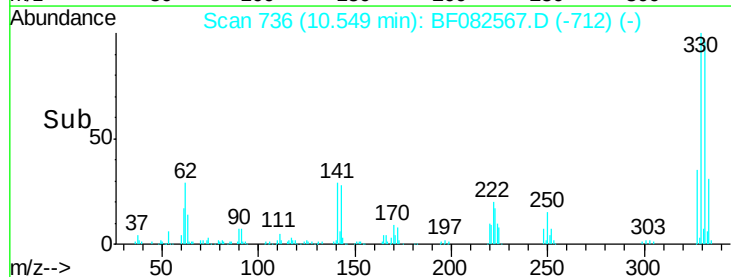
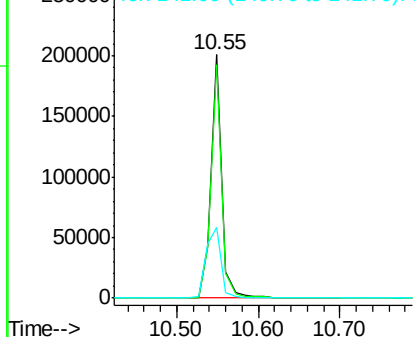


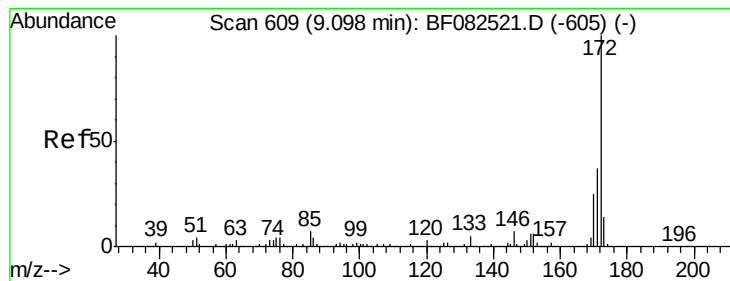
#41
 2,4,6-Tribromophenol
 Concen: 153.36 ng
 RT: 10.55 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Tgt Ion:330 Resp: 189940
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.0
 141 40.6 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

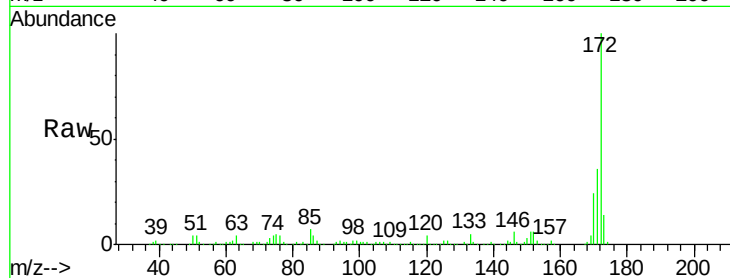




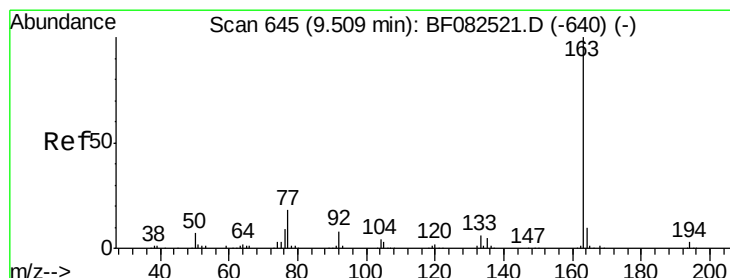
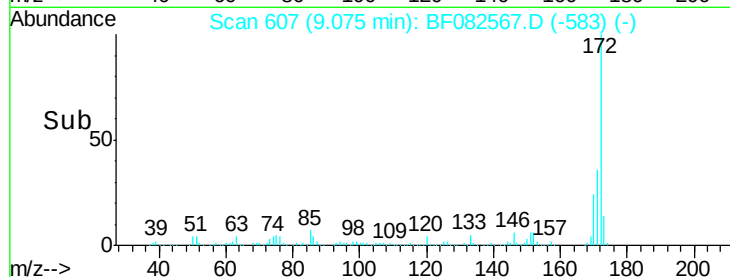
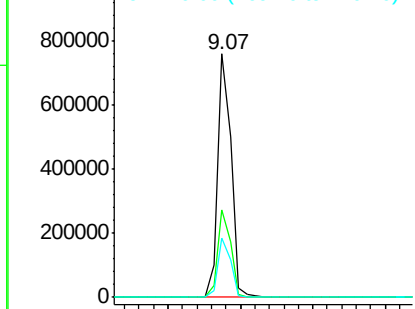
#44
 2-Fluorobiphenyl
 Concen: 93.68 ng
 RT: 9.07 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

Tgt Ion:172 Resp: 974460
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.3 43.9
 170 24.3 19.8 29.6

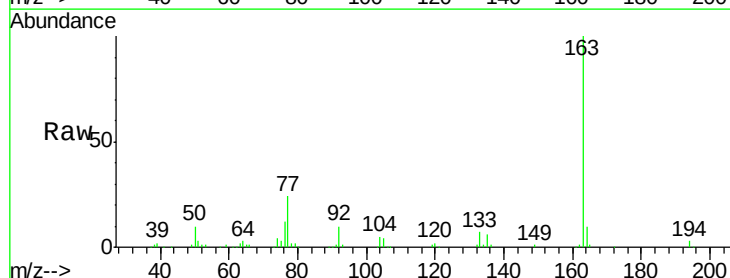


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

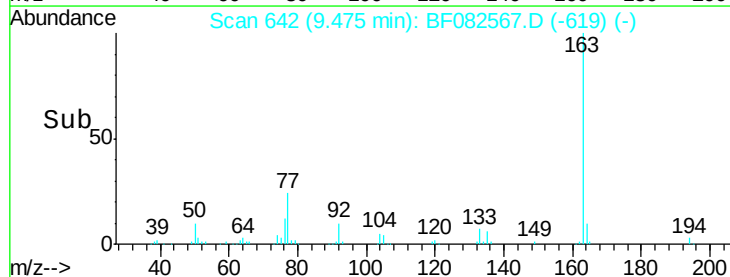
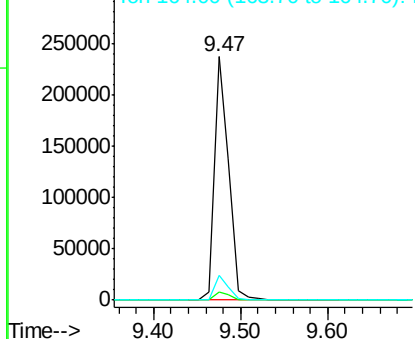


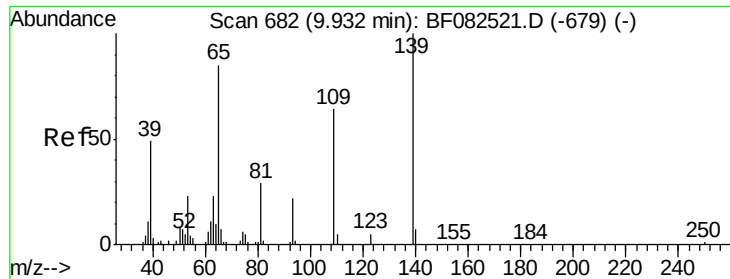
#49
 Dimethylphthalate
 Concen: 23.82 ng
 RT: 9.47 min Scan# 642
 Delta R.T. -0.03 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Tgt Ion:163 Resp: 274114
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 10.4 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

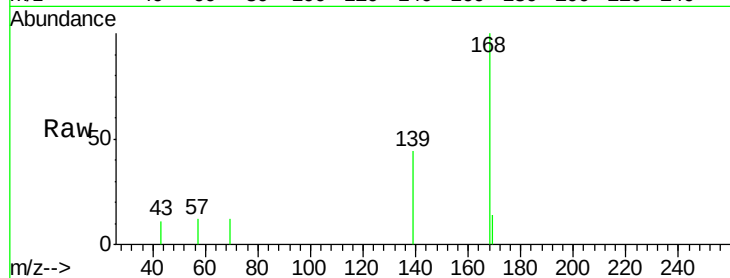




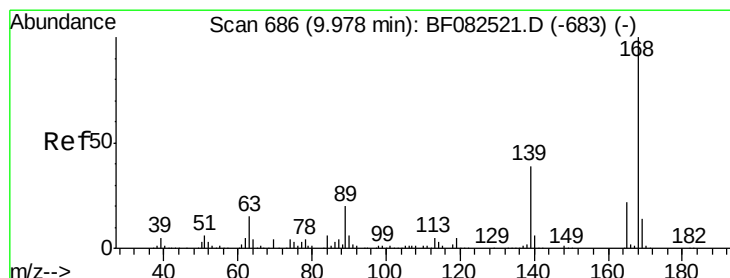
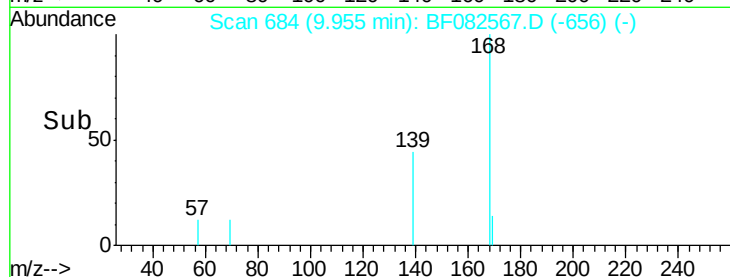
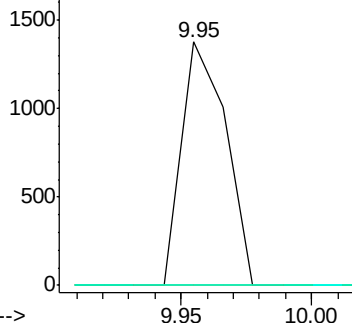
#55
 4-Nitrophenol
 Concen: 7.94 ng
 RT: 9.95 min Scan# 684
 Delta R.T. 0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

Tgt Ion:139 Resp: 1636
 Ion Ratio Lower Upper
 139 100
 109 0.0 44.2 84.2#
 65 0.0 68.1 108.1#

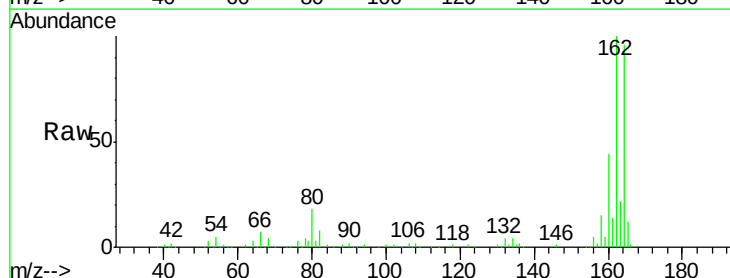


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

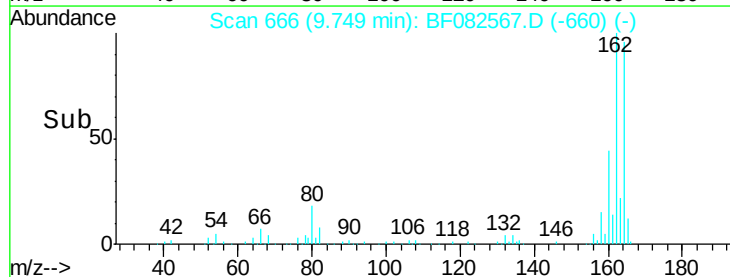
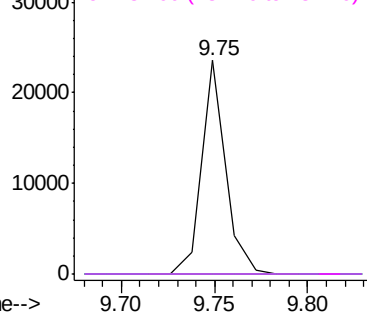


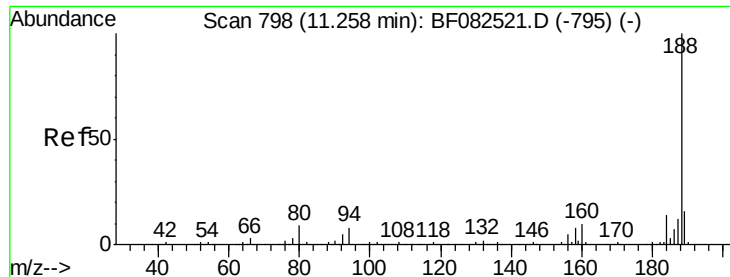
#56
 2,4-Dinitrotoluene
 Concen: 6.85 ng
 RT: 9.75 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Tgt Ion:165 Resp: 20966
 Ion Ratio Lower Upper
 165 100
 63 0.0 58.6 88.0#
 89 0.0 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

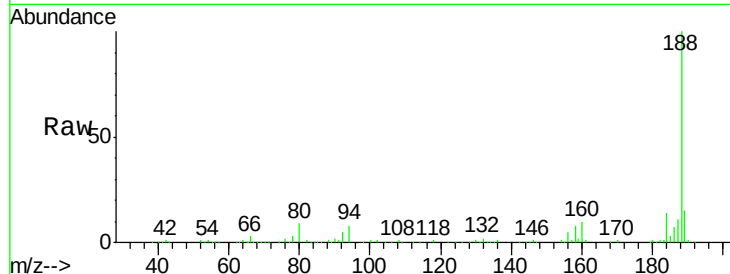




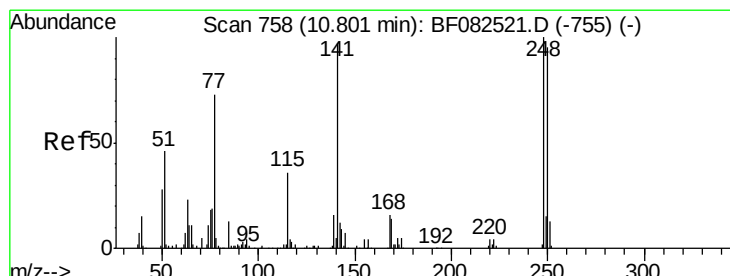
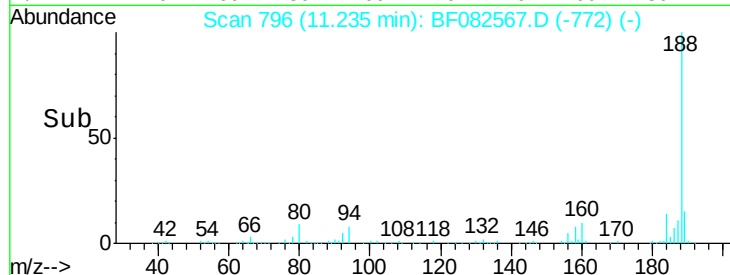
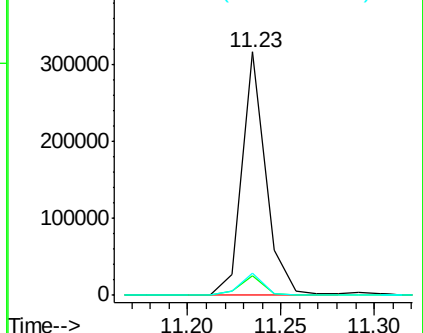
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

Tgt Ion:188 Resp: 282406
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.4 9.6
 80 9.2 7.0 10.6

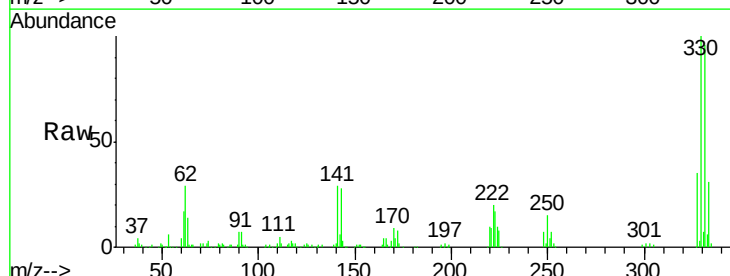


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

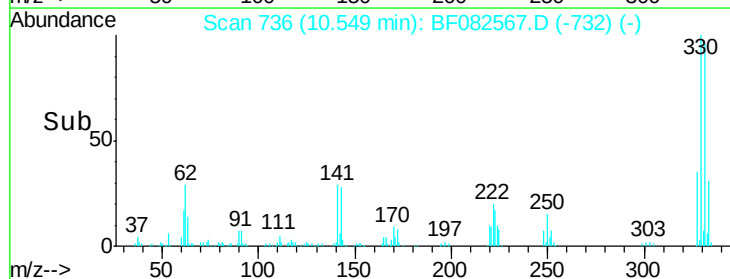
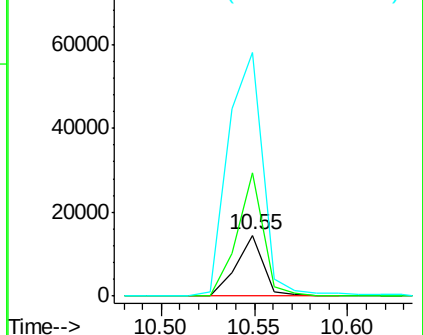


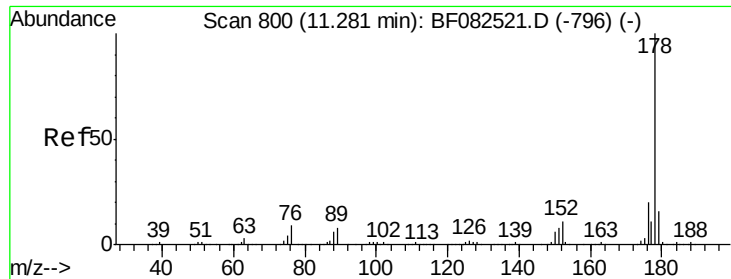
#66
 4-Bromophenyl-phenylether
 Concen: 5.62 ng
 RT: 10.55 min Scan# 736
 Delta R.T. -0.25 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Tgt Ion:248 Resp: 14893
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.0 114.0#
 141 398.5 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

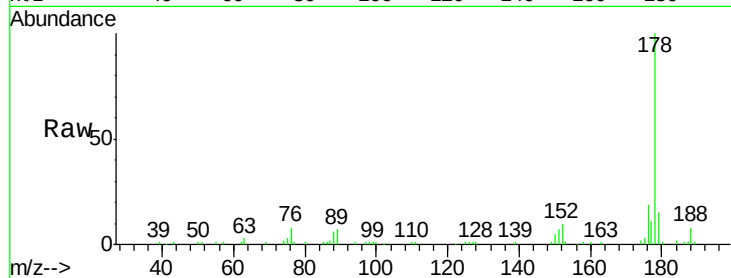




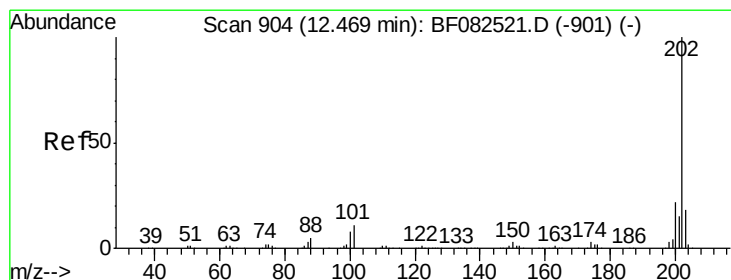
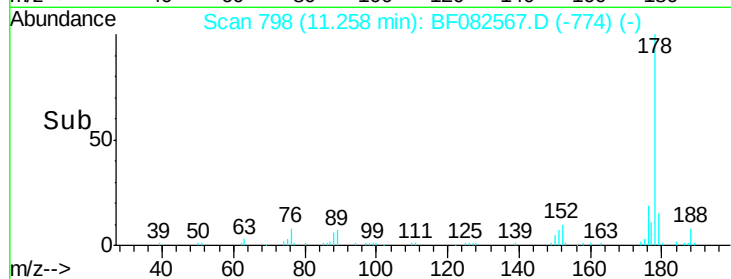
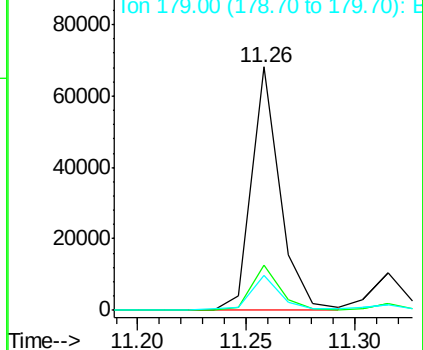
#70
Phenanthrene
Concen: 4.29 ng
RT: 11.26 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF082567.D
Acq: 28 Oct 2015 1:19

Instrument :
BNA_F
ClientSampleId :
S2-BOILERROOM2.5FTDEEP

Tgt Ion:178 Resp: 62354
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.6 12.8 19.2

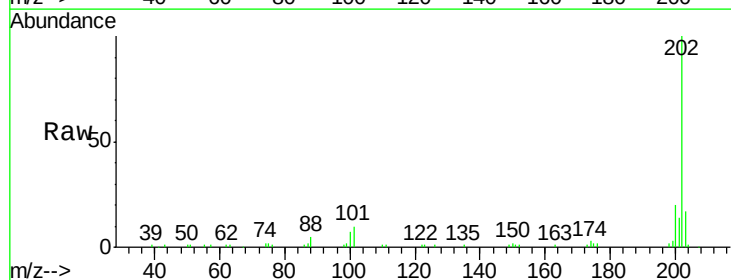


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

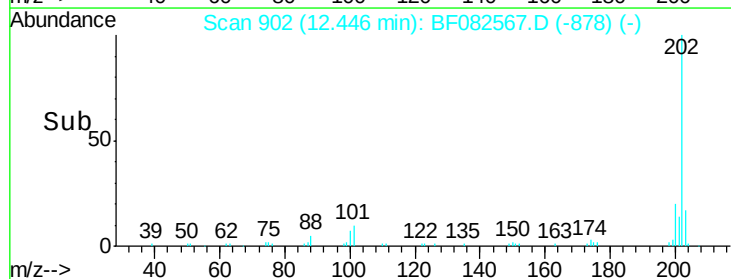
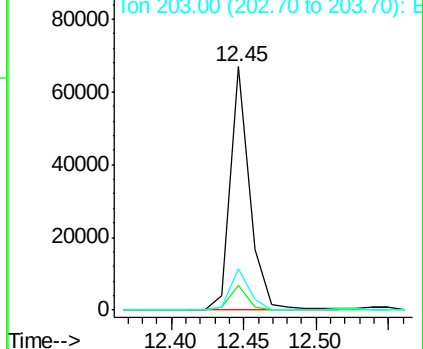


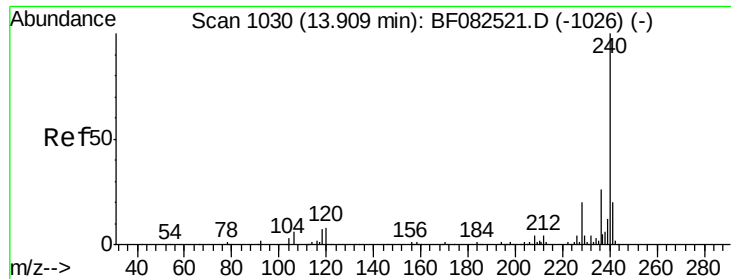
#74
Fluoranthene
Concen: 4.20 ng
RT: 12.45 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF082567.D
Acq: 28 Oct 2015 1:19

Tgt Ion:202 Resp: 62676
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.2
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1027

Delta R.T. -0.03 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP

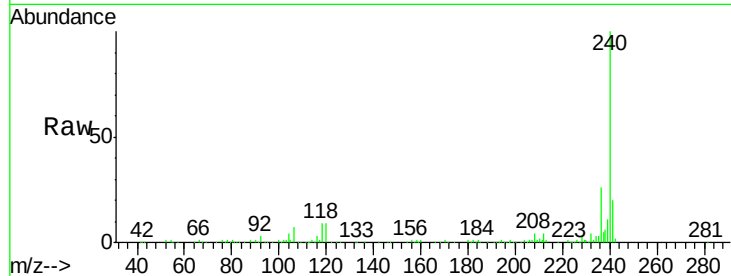
Tgt Ion:240 Resp: 189704

Ion Ratio Lower Upper

240 100

120 9.3 6.5 9.7

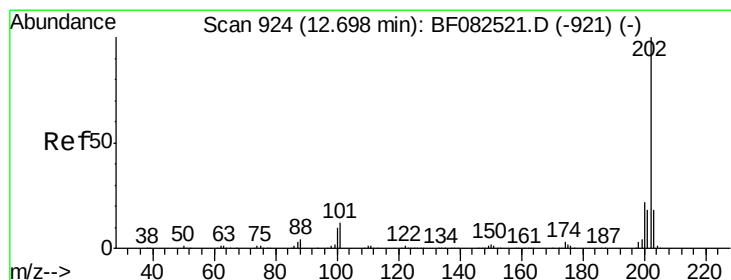
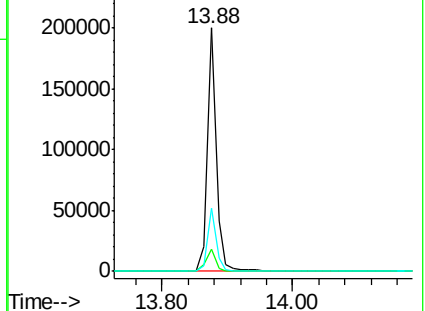
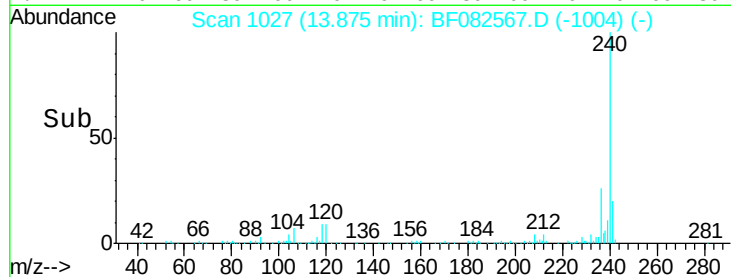
236 25.7 20.5 30.7



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



#77

Pyrene

Concen: 4.02 ng

RT: 12.68 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

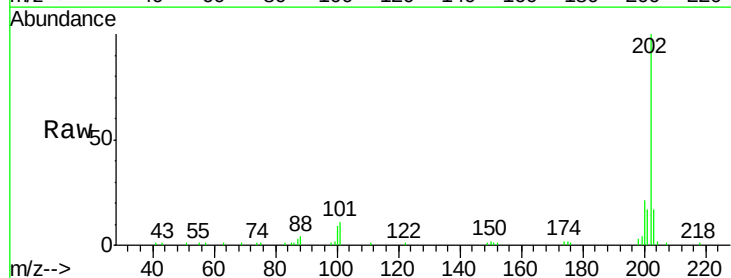
Tgt Ion:202 Resp: 46957

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

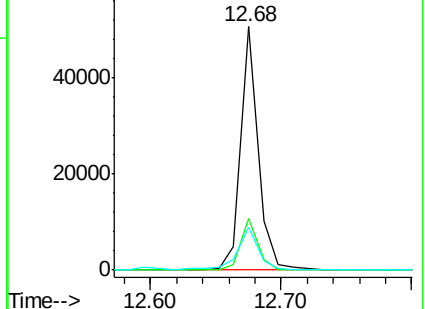
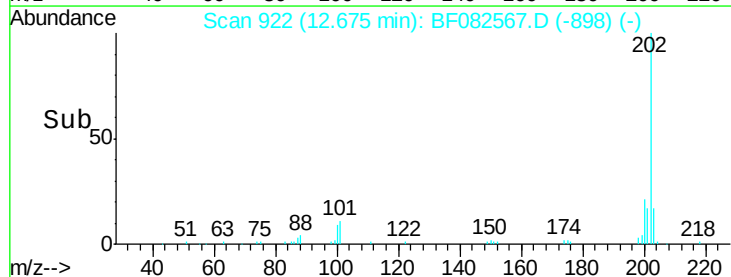
203 17.5 14.6 22.0

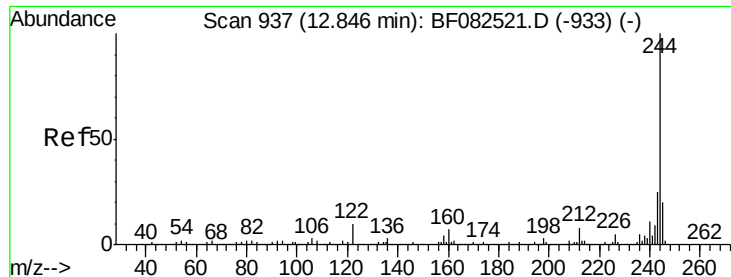


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 116.99 ng

RT: 12.82 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP

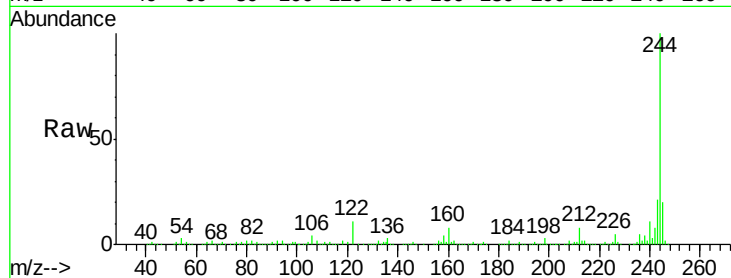
Tgt Ion:244 Resp: 770348

Ion Ratio Lower Upper

244 100

212 8.3 6.4 9.6

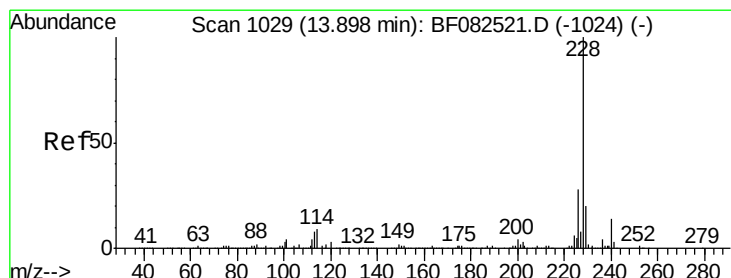
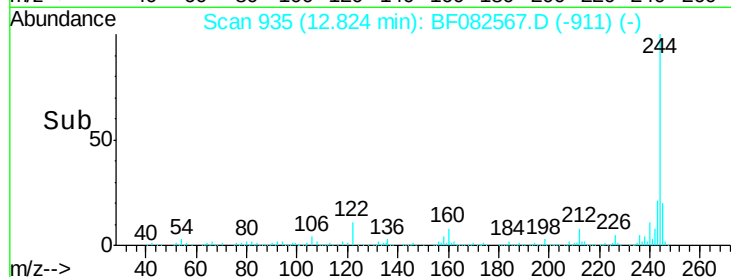
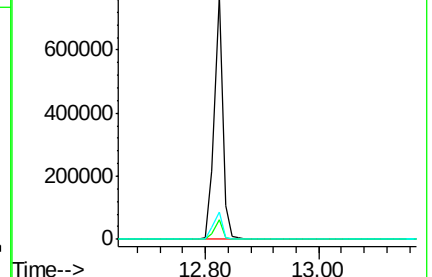
122 11.4 8.1 12.1



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: 2.20 ng

RT: 13.86 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF082567.D

Acq: 28 Oct 2015 1:19

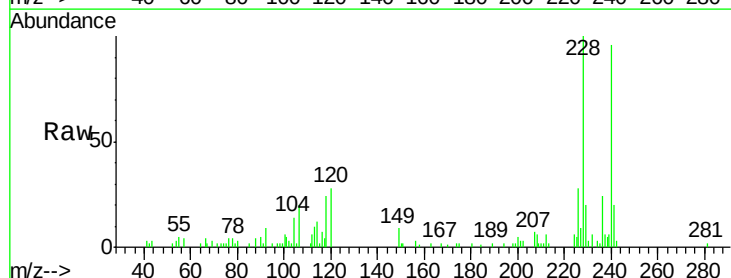
Tgt Ion:228 Resp: 22385

Ion Ratio Lower Upper

228 100

226 27.7 22.1 33.1

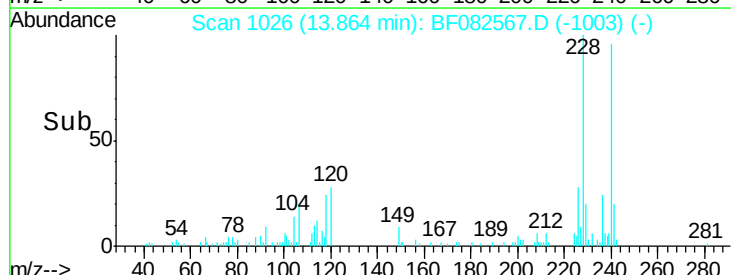
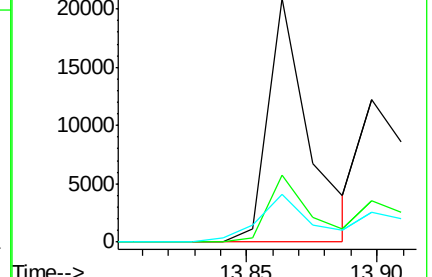
229 19.9 16.1 24.1

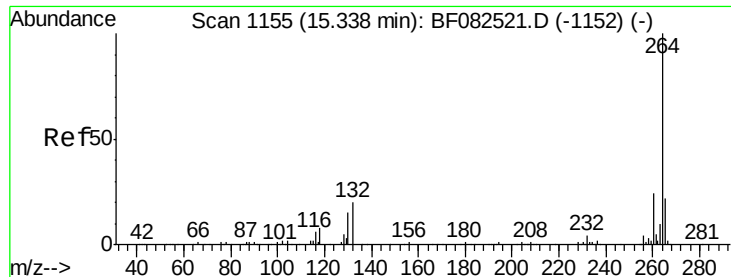


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

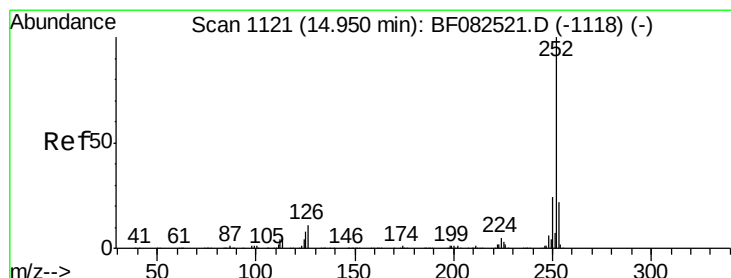
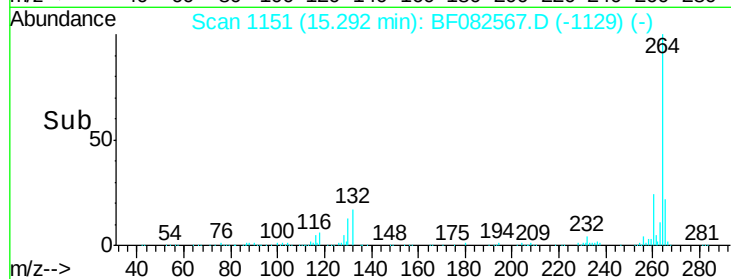
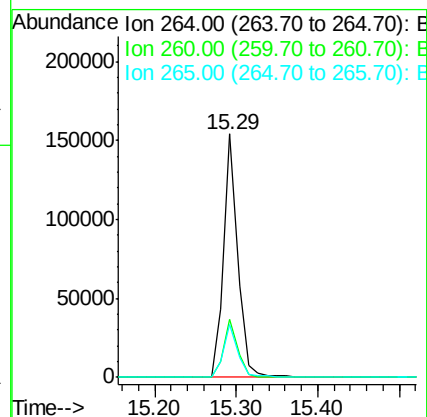
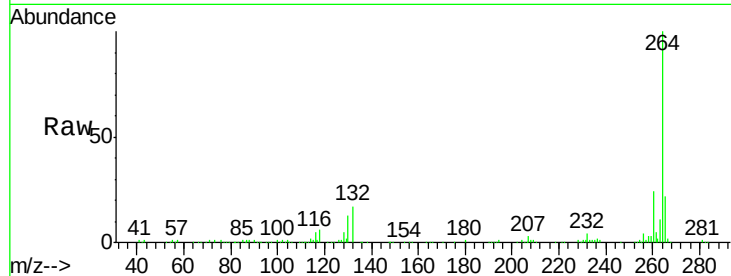




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BF082567.D
Acq: 28 Oct 2015 1:19

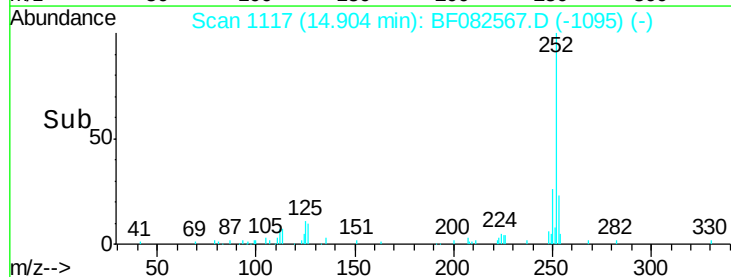
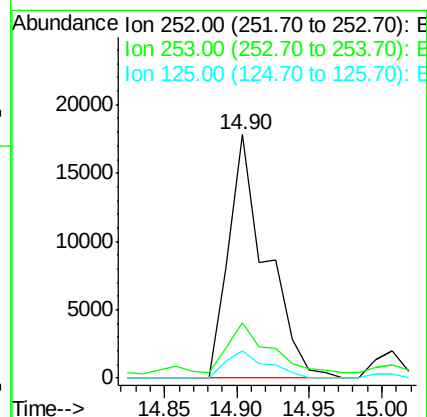
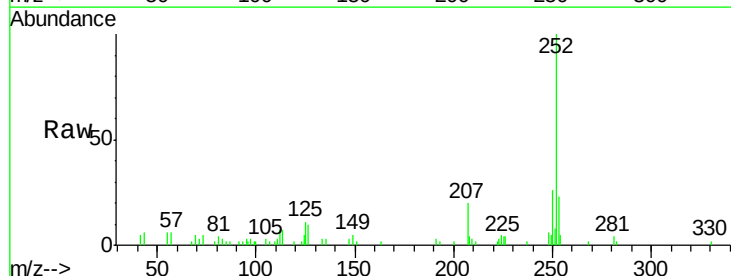
Instrument :
BNA_F
ClientSampleId :
S2-BOILERROOM2.5FTDEEP

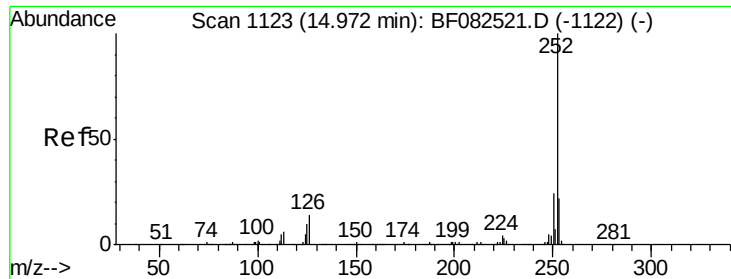
Tgt Ion: 264 Resp: 185554
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 22.0 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.91 ng
RT: 14.90 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF082567.D
Acq: 28 Oct 2015 1:19

Tgt Ion: 252 Resp: 32112
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.0 6.6 10.0#





#88

Benzo(k)fluoranthene

Concen: 3.57 ng

RT: 14.90 min Scan# 1117

Delta R.T. -0.07 min

Lab File: BF082567.D

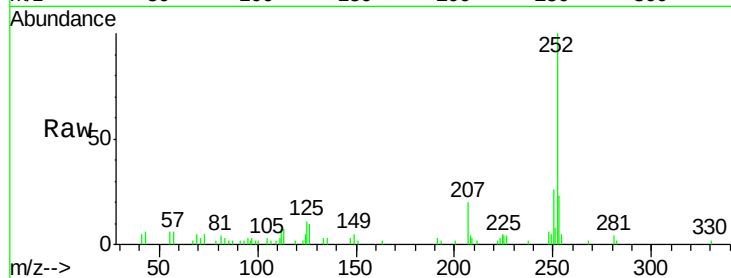
Acq: 28 Oct 2015 1:19

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP



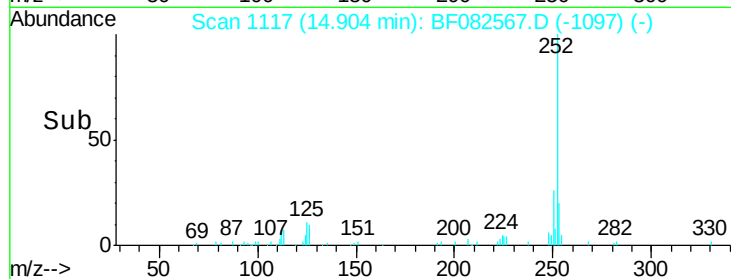
Tgt Ion: 252 Resp: 32112

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.0 8.7 13.1



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

