

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 02:27:16 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

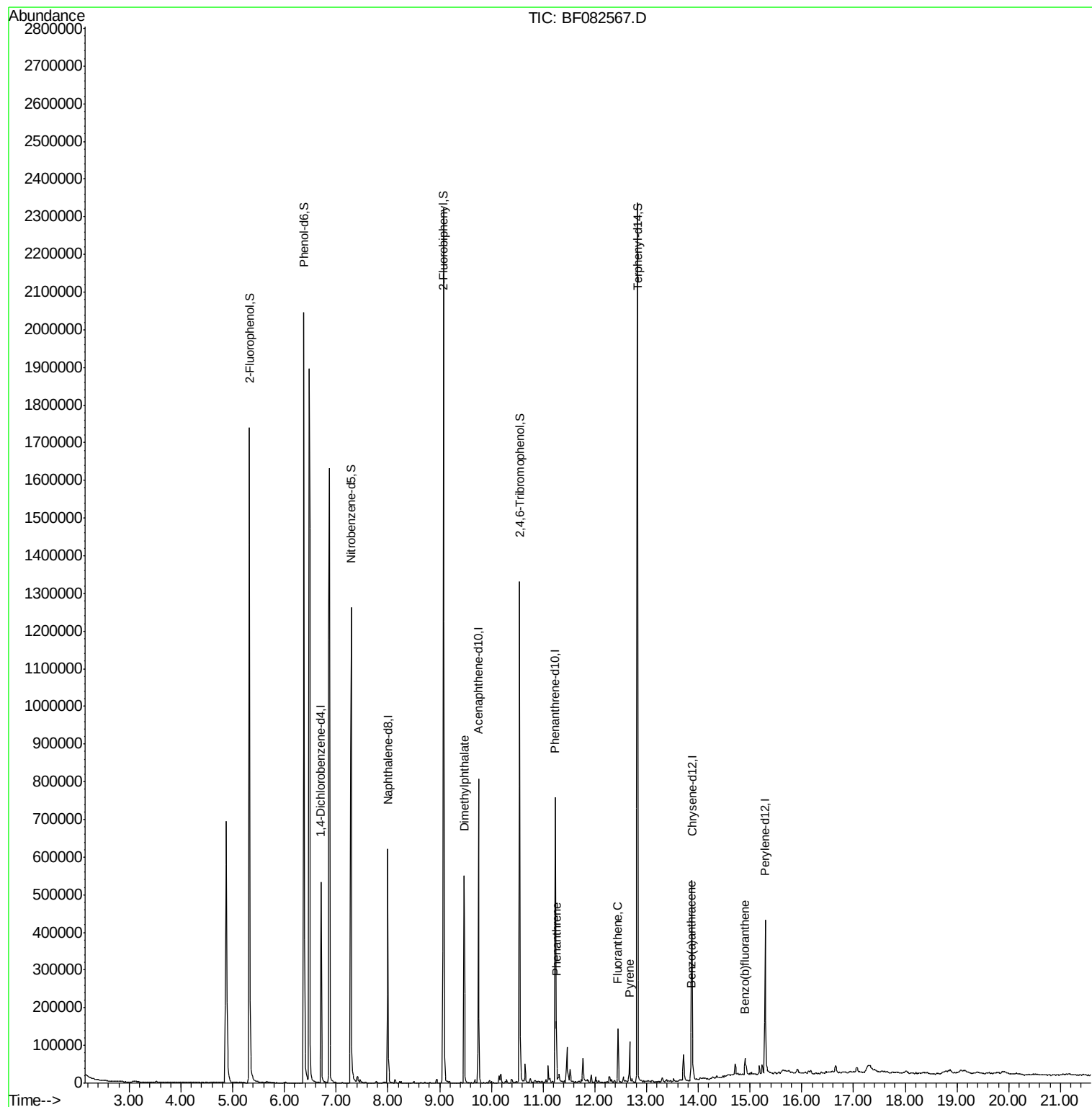
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	89161	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	334722	20.00	ng	-0.02
38) Acenaphthene-d10	9.75	164	165399	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	282406	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	189704	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						Qvalue
49) Dimethylphthalate	9.47	163	274114	23.82	ng	100
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	23494m	2.13	ng	

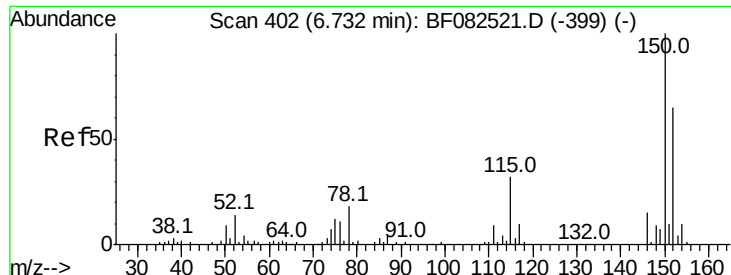
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

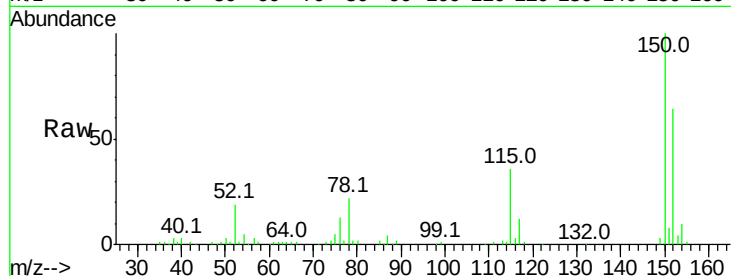
Tot Ion:152 Resp: 89161

Ion Ratio Lower Upper

152 100

150 155.2 123.4 185.0

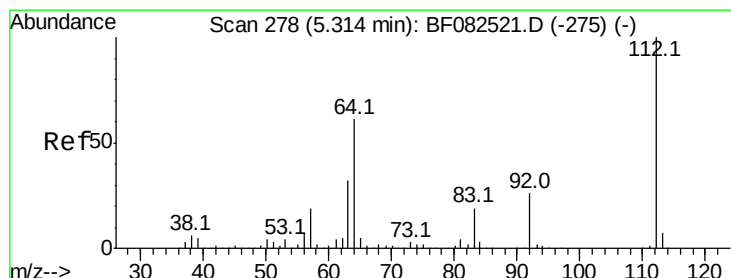
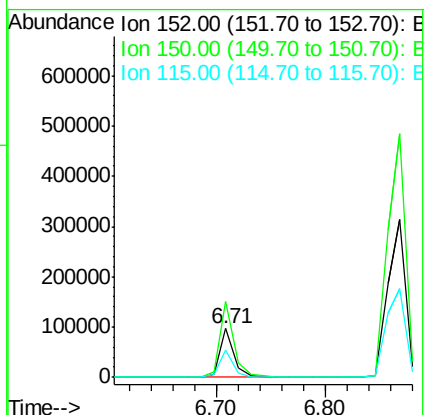
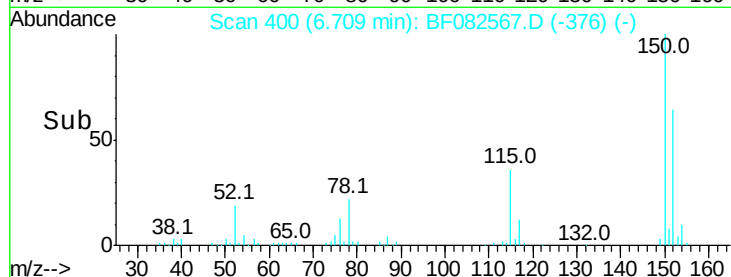
115 55.8 39.0 58.4



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: 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

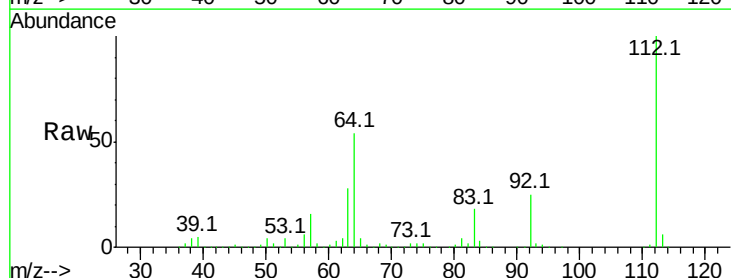
Tgt Ion:112 Resp: 721491

Ion Ratio Lower Upper

112 100

64 53.7 49.0 73.4

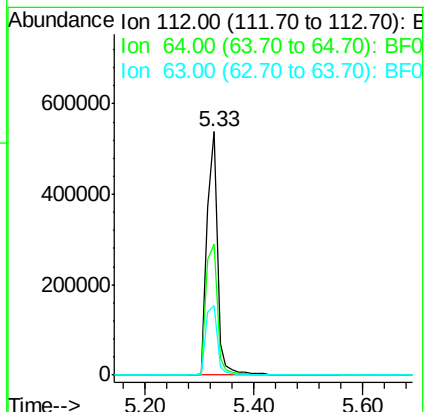
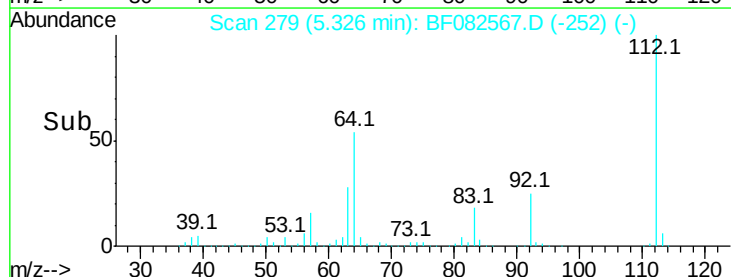
63 28.5 25.8 38.6

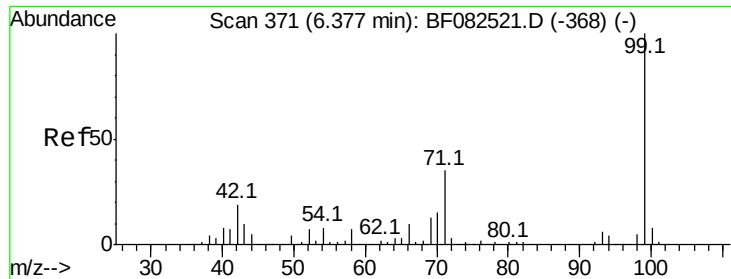


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 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

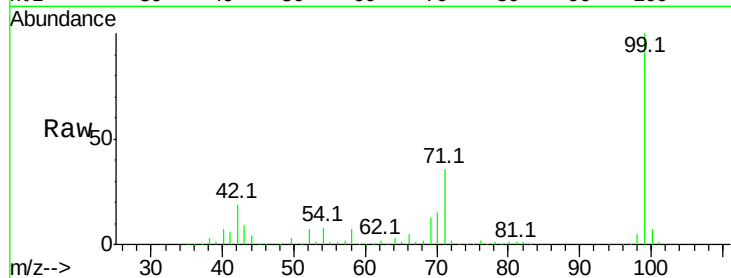
Tot Ion: 99 Resp: 862841

Ion Ratio Lower Upper

99 100

42 18.6 15.1 22.7

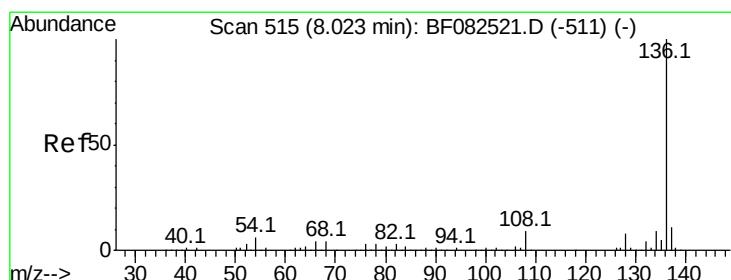
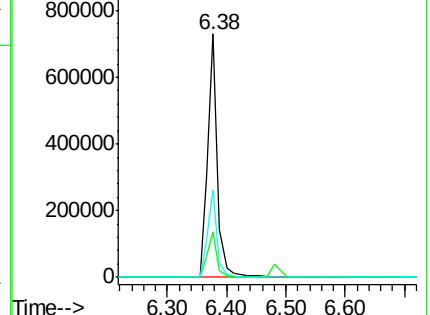
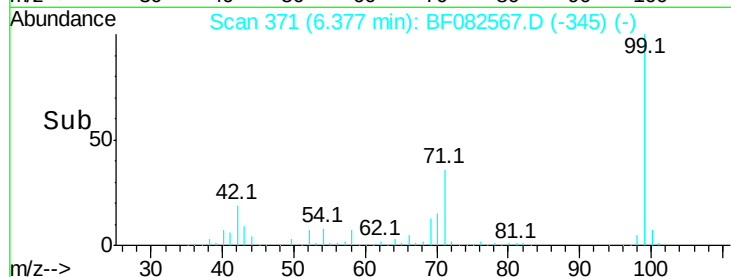
71 35.7 28.2 42.2



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



#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

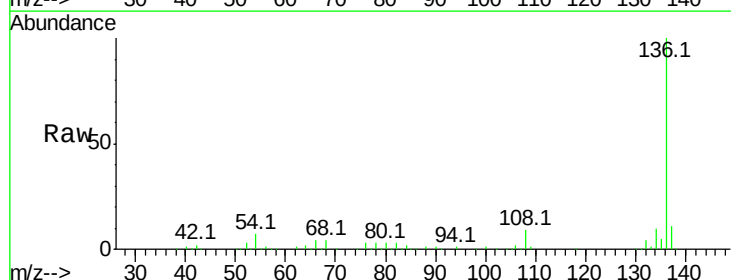
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 6.9 4.6 7.0

68 4.2 3.2 4.8

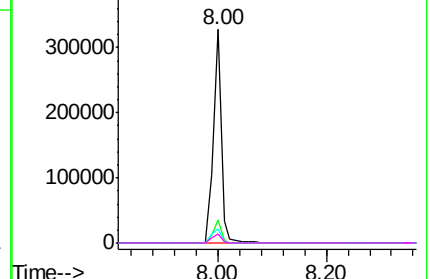
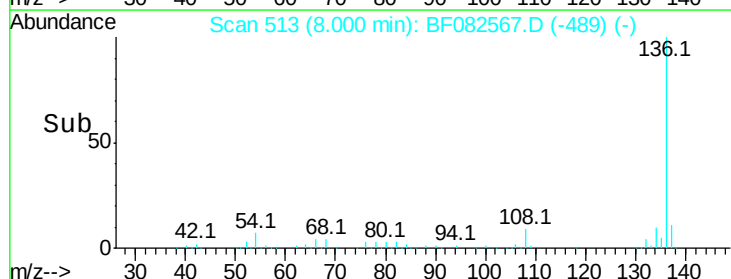


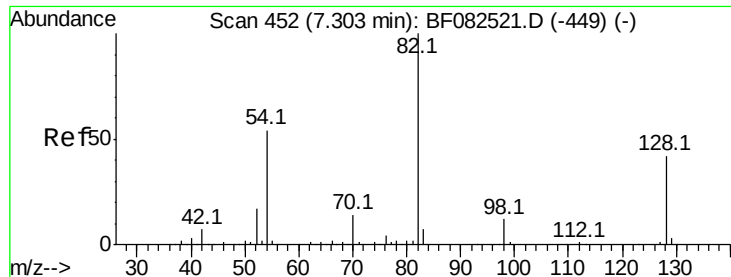
Abundance Ion 136.00 (135.70 to 136.70): E

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

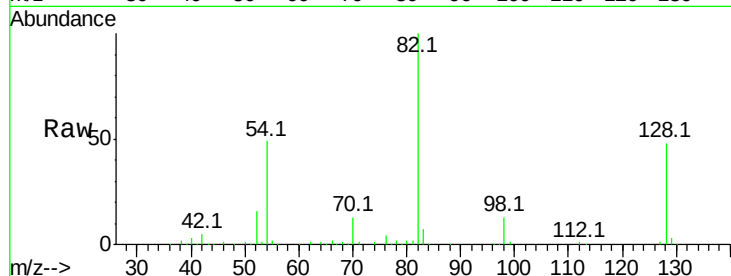
Tot Ion: 82 Resp: 581490

Ion Ratio Lower Upper

82 100

128 48.0 33.4 50.0

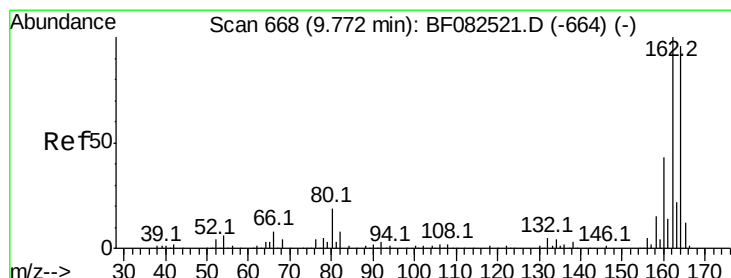
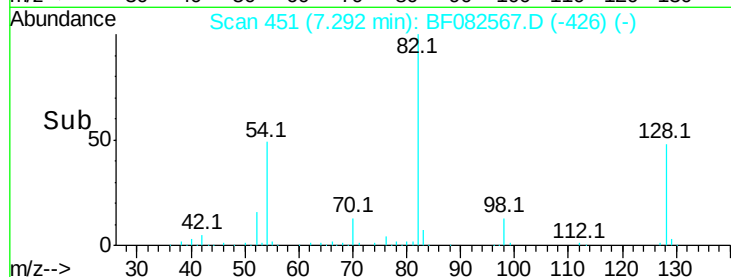
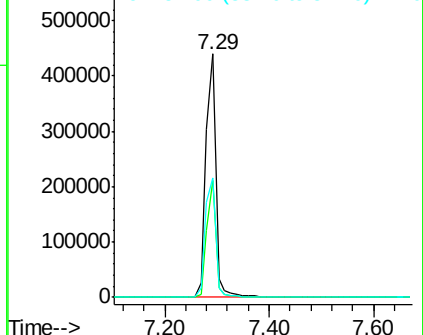
54 49.1 43.5 65.3



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



#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

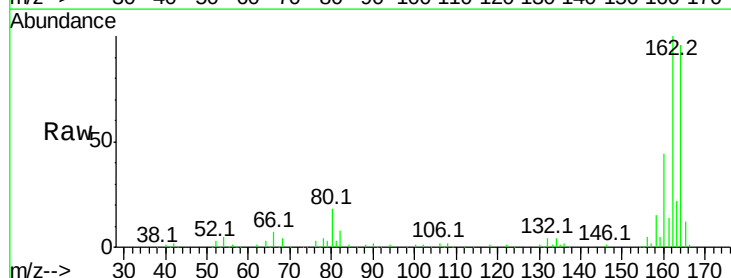
Tgt Ion:164 Resp: 165399

Ion Ratio Lower Upper

164 100

162 104.1 83.6 125.4

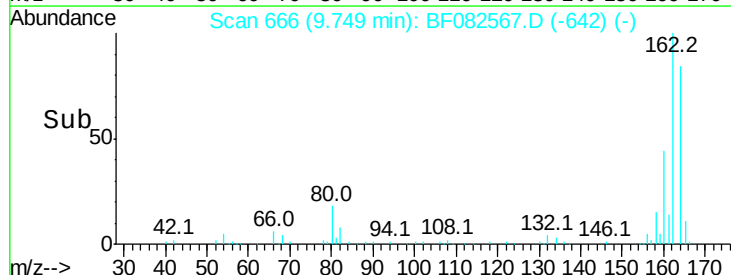
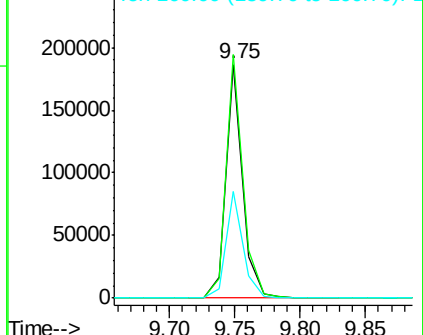
160 45.6 36.0 54.0

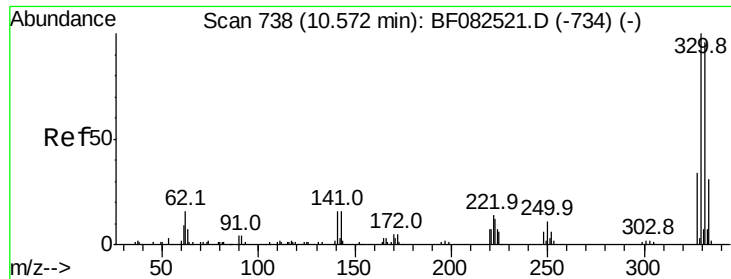


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

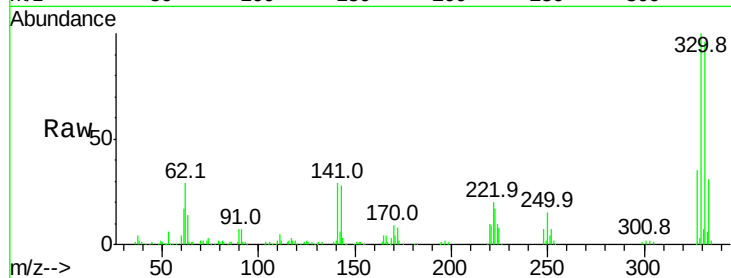




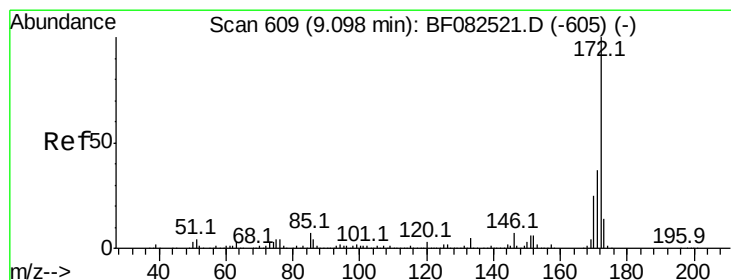
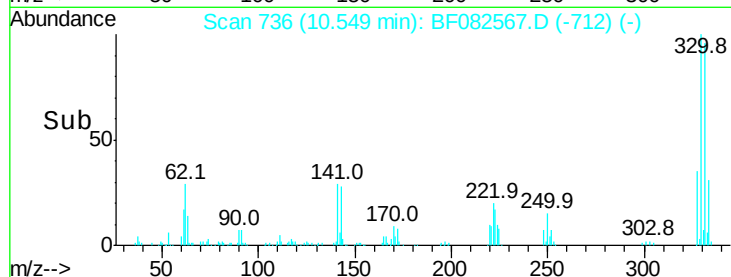
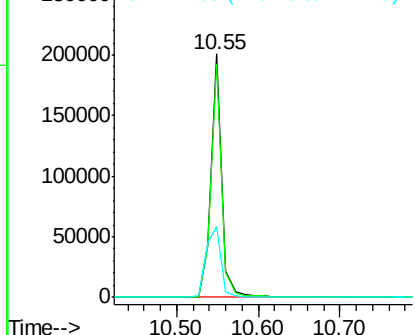
#41
 2,4,6-Tribromophenol
 Concen: 153.36 ng
 RT: 10.55 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

Tot Ion:330 Resp: 189940
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.0
 141 40.6 32.5 48.7

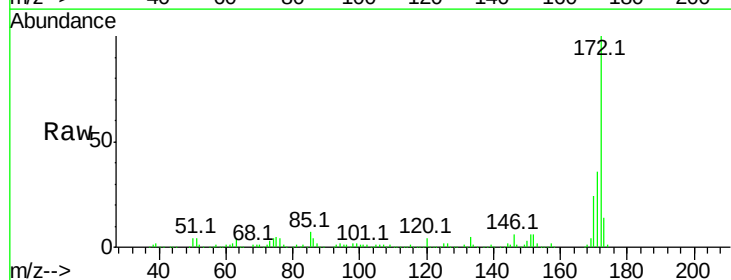


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

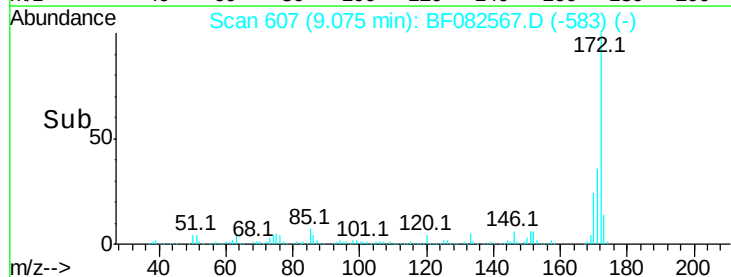
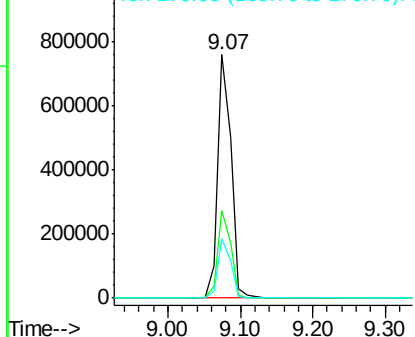


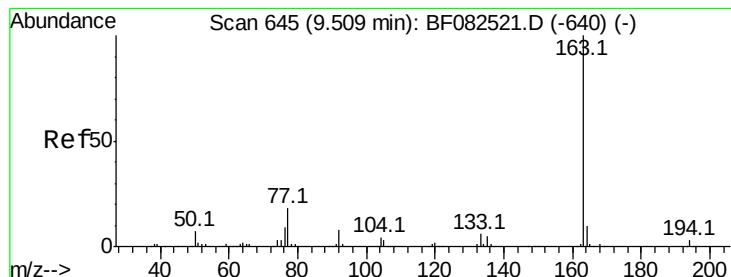
#44
 2-Fluorobiphenyl
 Concen: 93.68 ng
 RT: 9.07 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

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

Instrument :

BNA_F

ClientSampleId :

S2-BOILERROOM2.5FTDEEP

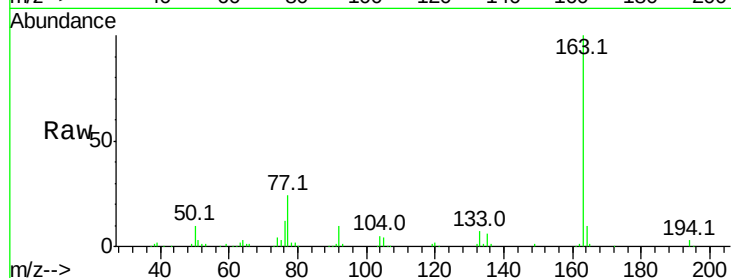
Tot Ion:163 Resp: 274114

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

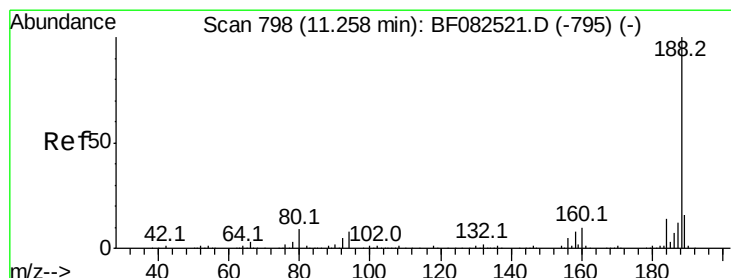
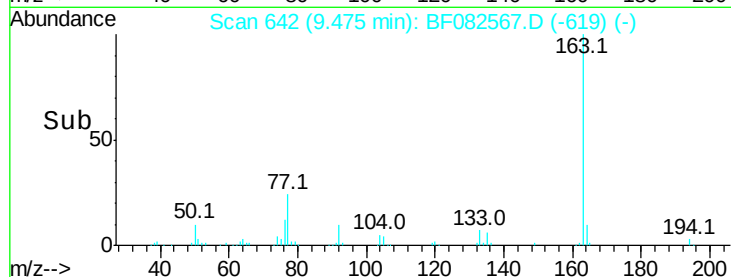
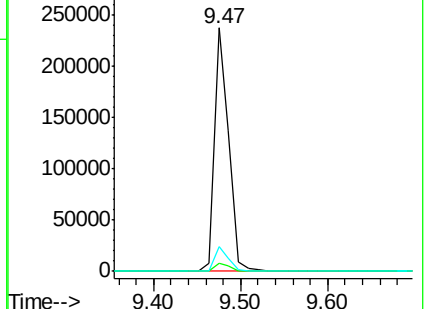
164 10.4 8.2 12.4



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



#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

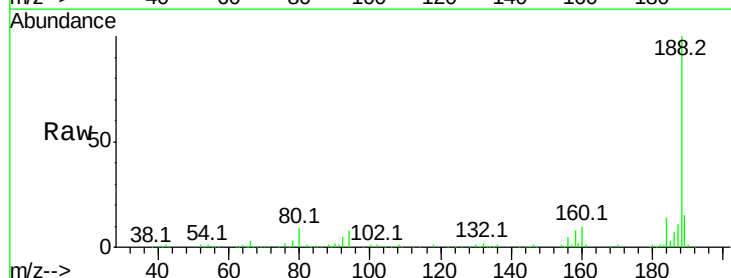
Tgt Ion:188 Resp: 282406

Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

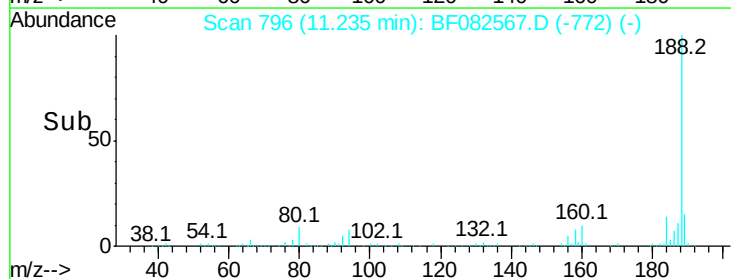
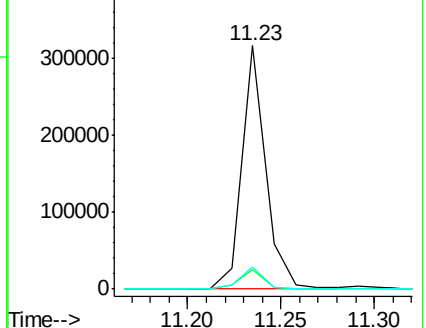
80 9.2 7.0 10.6

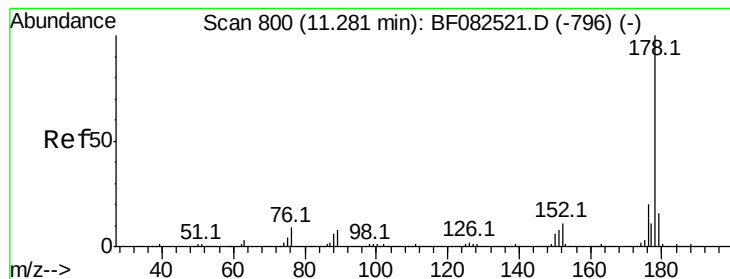


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#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

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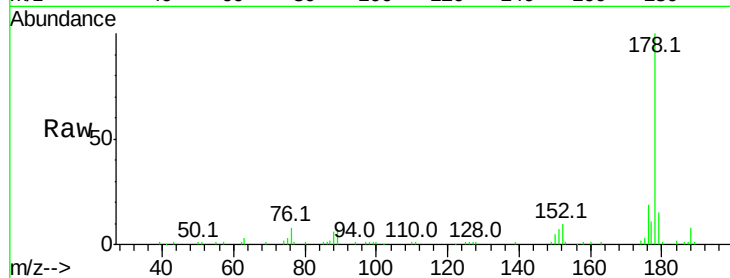
Tot Ion:178 Resp: 62354

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

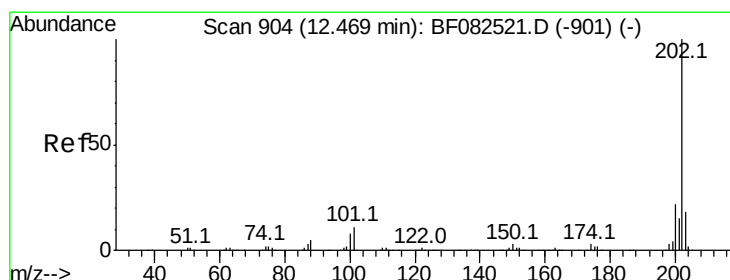
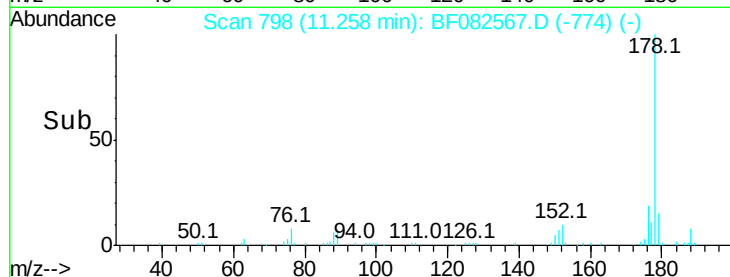
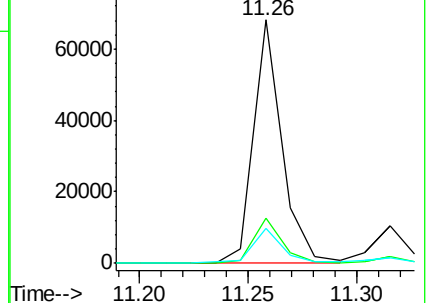
179 14.6 12.8 19.2



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

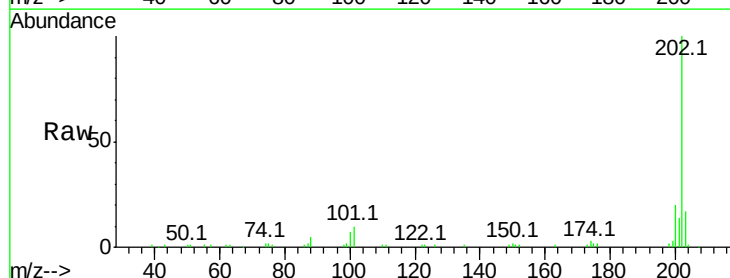
Tgt Ion:202 Resp: 62676

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.2

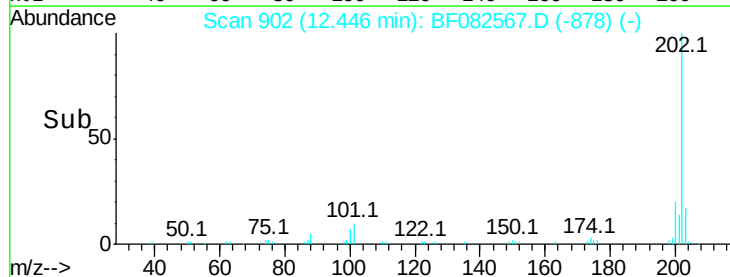
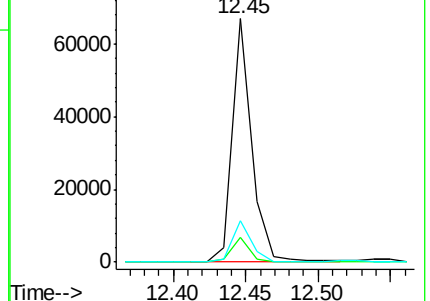
203 17.2 0.0 38.1

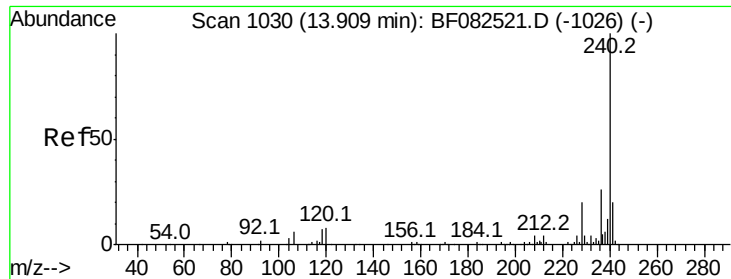


Abundance Ion 202.00 (201.70 to 202.70): E

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 :

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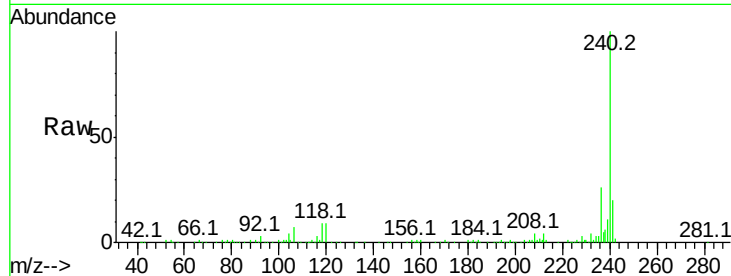
Tot Ion:240 Resp: 189704

Ion Ratio Lower Upper

240 100

120 9.3 6.5 9.7

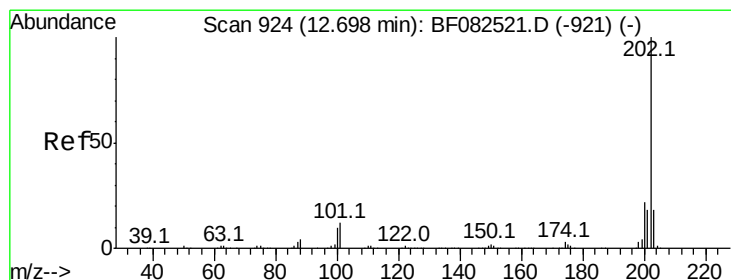
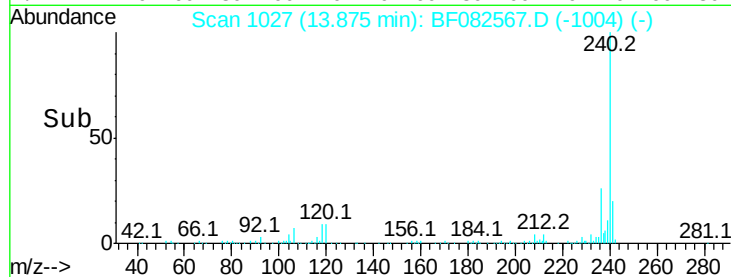
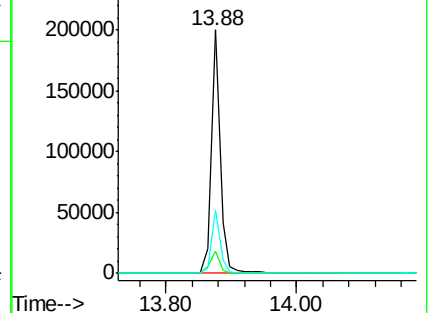
236 25.7 20.5 30.7



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

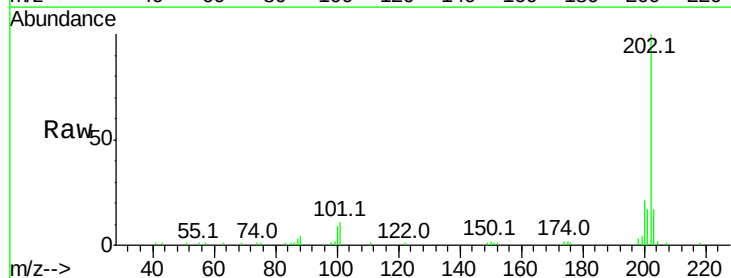
Tgt Ion:202 Resp: 46957

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

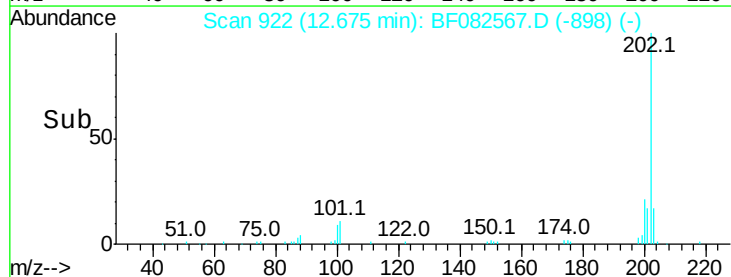
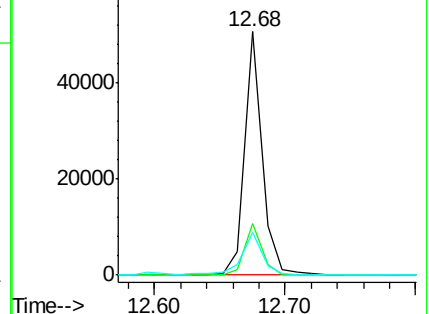
203 17.5 14.6 22.0

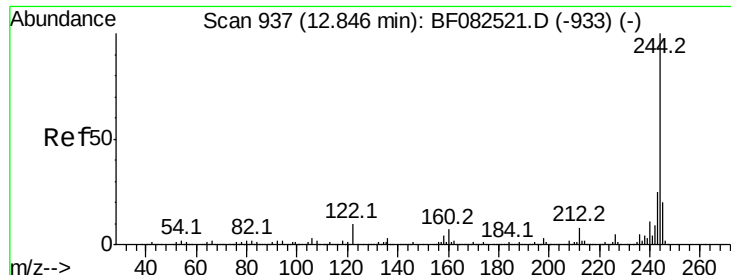


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

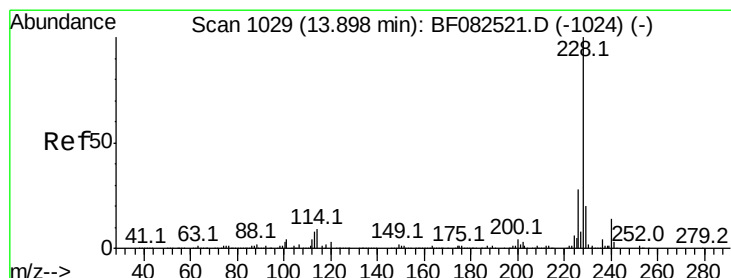
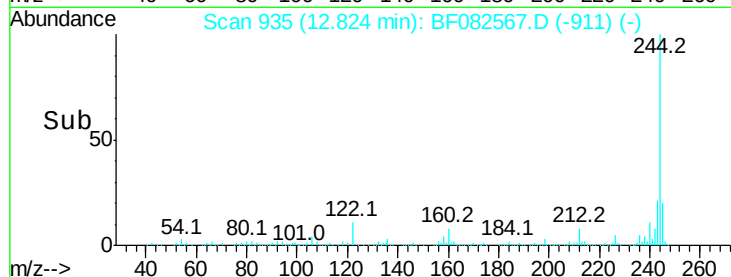
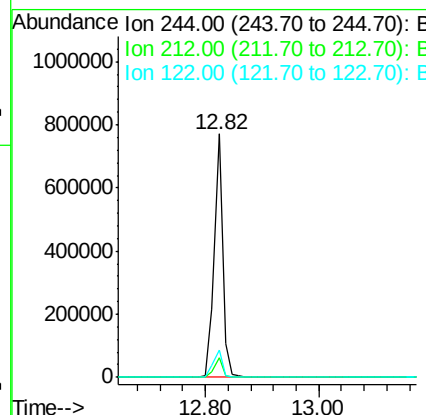
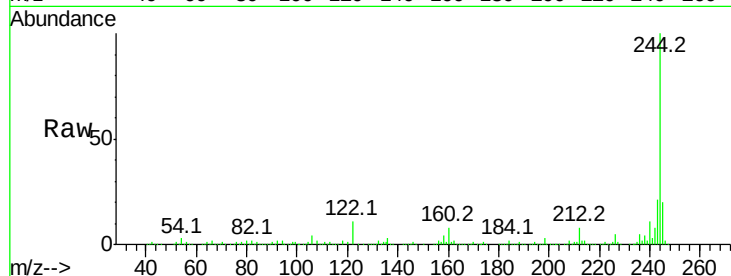




#78
 Terphenyl-d14
 Concen: 116.99 ng
 RT: 12.82 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF082567.D
 Acq: 28 Oct 2015 1:19

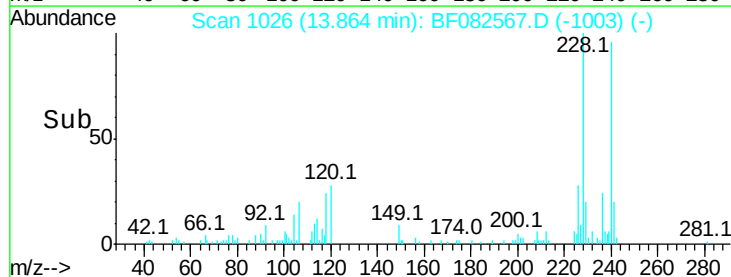
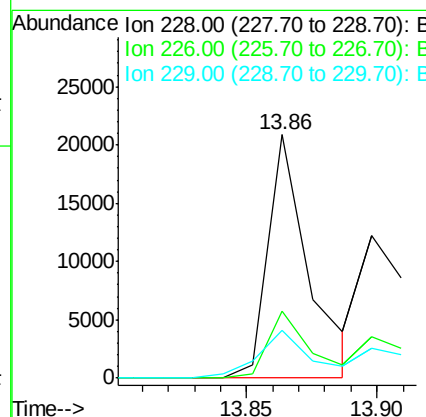
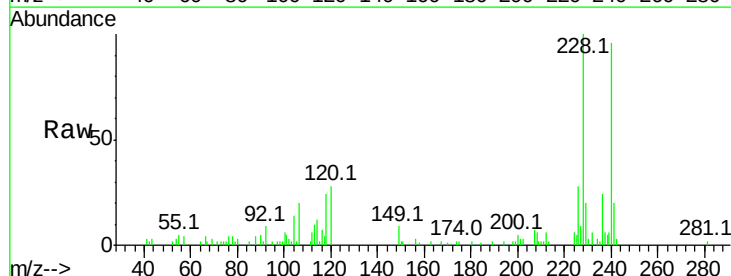
Instrument :
 BNA_F
 ClientSampleId :
 S2-BOILERROOM2.5FTDEEP

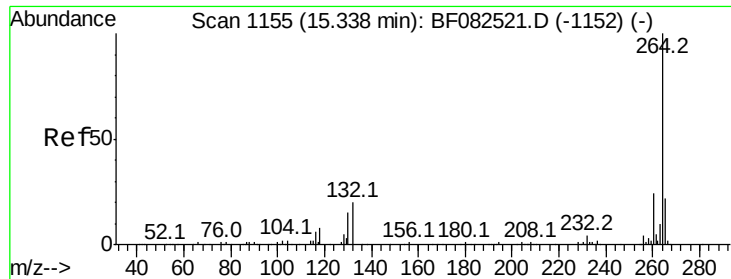
Tot Ion:244 Resp: 770348
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.4 9.6
 122 11.4 8.1 12.1



#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



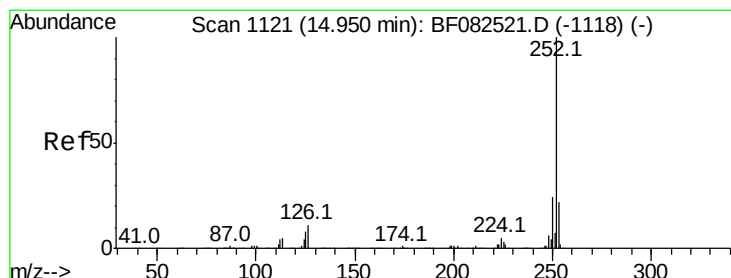
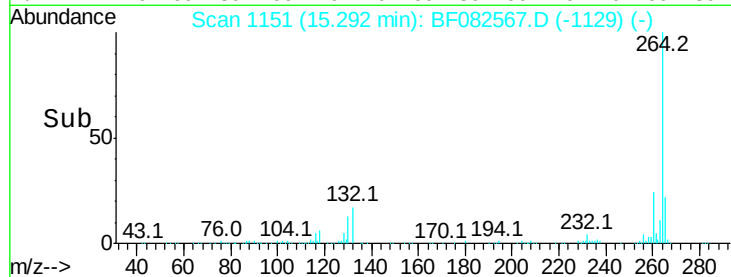
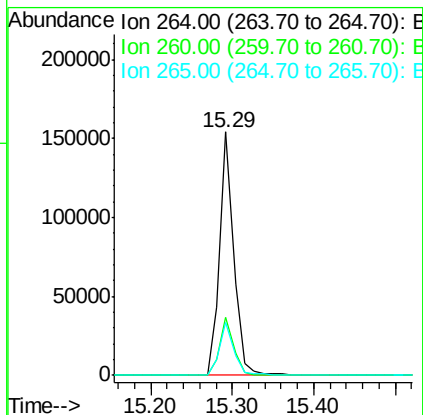
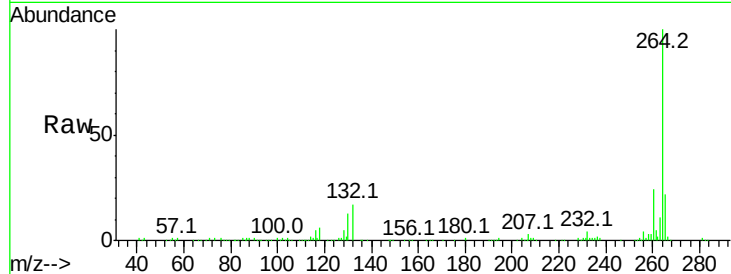


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BF082567.D
Acq: 28 Oct 2015 1:19

Instrument :
BNA_F
ClientSampleId :
S2-BOILERROOM2.5FTDEEP

Tot 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: 2.13 ng m
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: 23494

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.0	6.6	10.0

