

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
 Data File : BF082613.D
 Acq On : 31 Oct 2015 11:13
 Operator : UM/IZ
 Sample : G4178-06DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6-BOILERROOM2.5FTDEEPL

Manual Integrations
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Quant Time: Nov 02 07:04:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	189488	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	796951	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	398559	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	706519	20.00	ng	0.00
75) Chrysene-d12	14.08	240	450163	20.00	ng	0.00
86) Perylene-d12	15.54	264	388414	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	346114	27.51	ng	-0.01
7) Phenol-d6	6.52	99	514186	30.76	ng	-0.01
23) Nitrobenzene-d5	7.46	82	355336	18.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	106112	24.33	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	511941	18.24	ng	-0.01
78) Terphenyl-d14	13.03	244	460948	22.41	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.21	128	597899	13.86	ng	98
37) 2-Methylnaphthalene	8.90	142	62072	2.22	ng	98
49) Dimethylphthalate	9.66	163	129308	3.97	ng	96
51) Acenaphthene	9.98	154	80446	3.01	ng	99
54) Dibenzofuran	10.16	168	132132	3.65	ng	# 87
57) Fluorene	10.49	166	98374	3.37	ng	98
70) Phenanthrene	11.46	178	1336458	33.54	ng	100
71) Anthracene	11.50	178	305347	7.61	ng	97
72) Carbazole	11.65	167	234885	6.72	ng	97
74) Fluoranthene	12.65	202	1282134	31.47	ng	98
77) Pyrene	12.88	202	1038594	31.16	ng	98
80) Benzo(a)anthracene	14.07	228	393391m	13.76	ng	
82) Chrysene	14.10	228	323675m	12.49	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	206337	9.65	ng	96
87) Benzo(b)fluoranthene	15.12	252	364098m	13.59	ng	
88) Benzo(k)fluoranthene	15.13	252	148785m	7.29	ng	
89) Benzo(a)pyrene	15.47	252	245834	11.65	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	44043m	2.24	ng	
91) Benzo(g,h,i)perylene	17.39	276	193482	10.14	ng	99

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

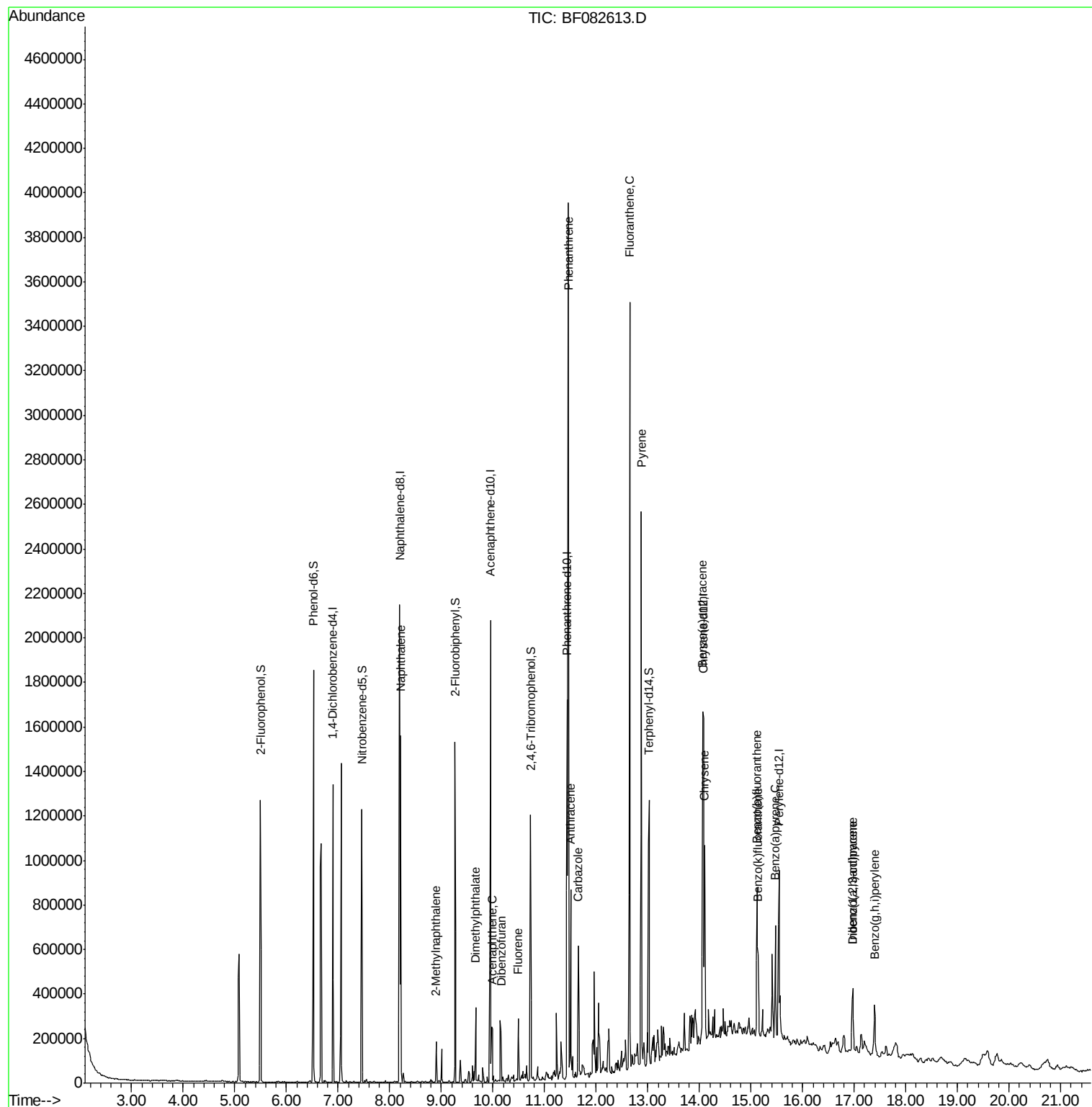
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082613.D
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Sample : G4178-06DL 5X
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ALS Vial : 31 Sample Multiplier: 1

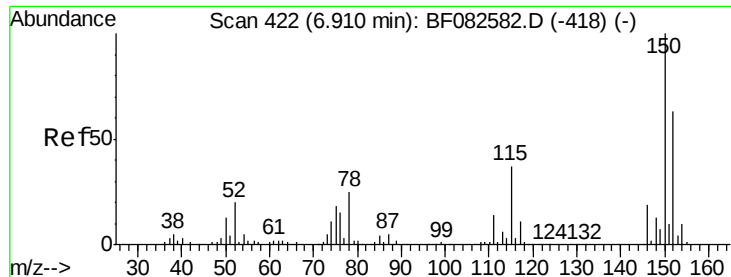
Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPDL

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Quant Time: Nov 02 07:04:05 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

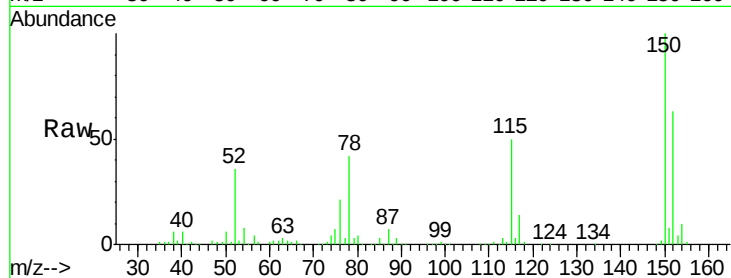
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPL

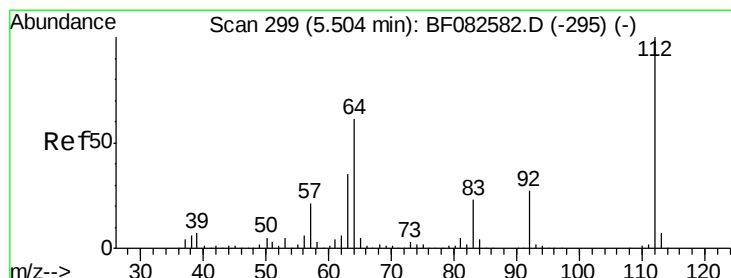
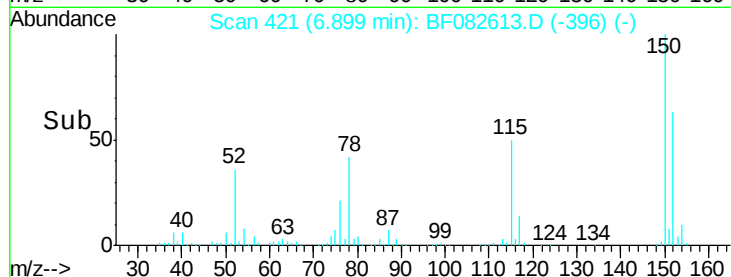
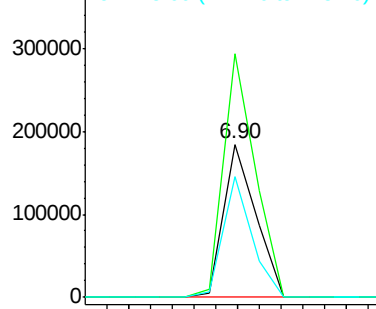
Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		189488		
150	159.4	127.0	190.4		
115	79.2	47.0	70.6#		

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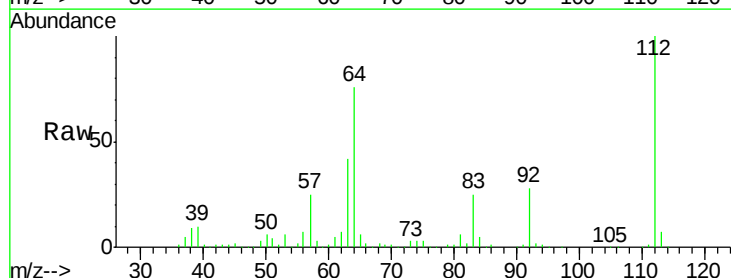
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



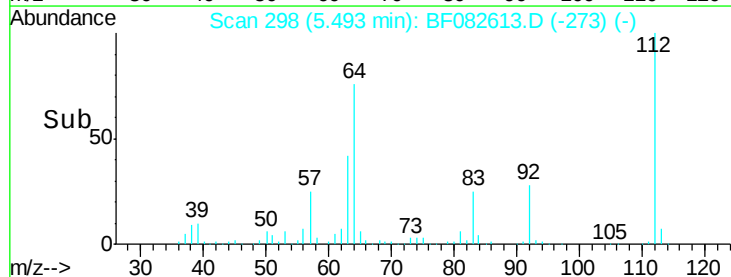
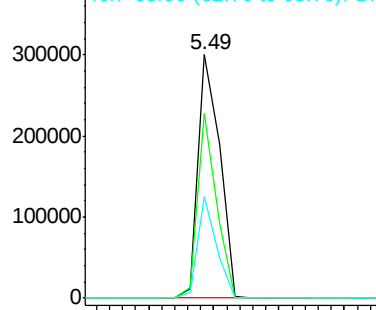
#5

2-Fluorophenol
Concen: 27.51 ng
RT: 5.49 min Scan# 298
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		346114		
64	76.0	48.9	73.3#		
63	41.5	28.1	42.1		



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 30.76 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082613.D

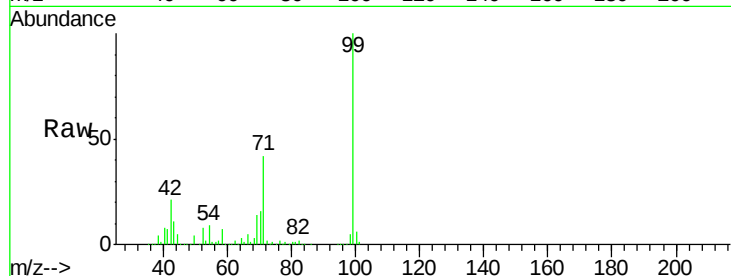
Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

ClientSampleId :

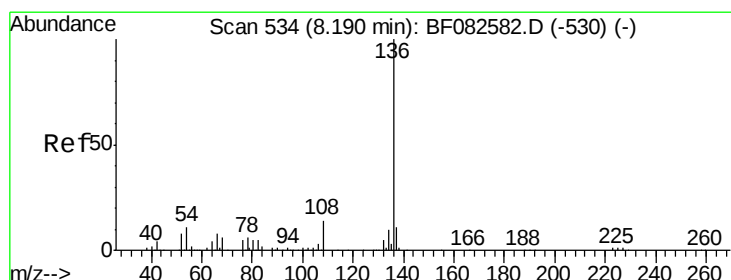
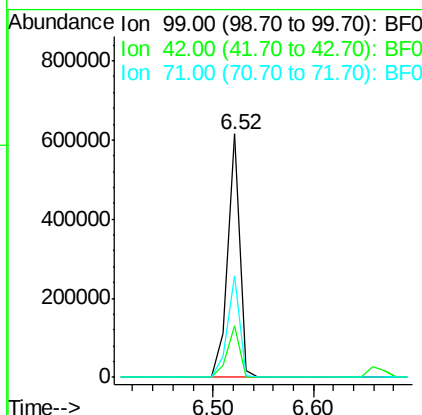
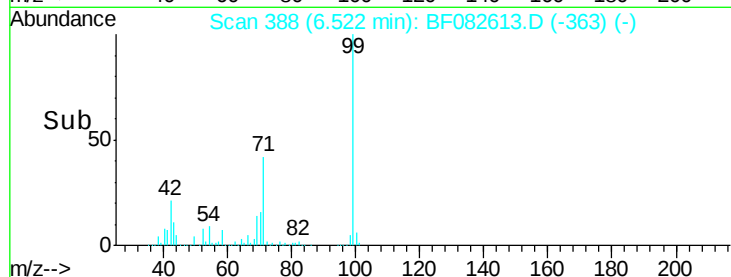
S6-BOILERROOM2.5FTDEEPL



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	514186		
42	21.4	19.2	28.8	
71	41.6	35.0	52.4	

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#21

Naphthalene-d8

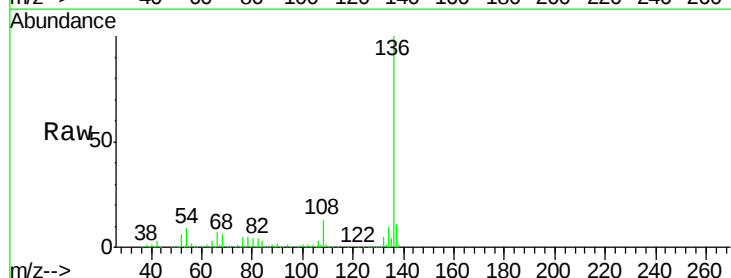
Concen: 20.00 ng

RT: 8.19 min Scan# 534

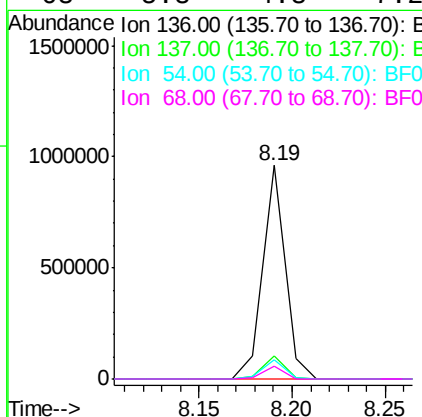
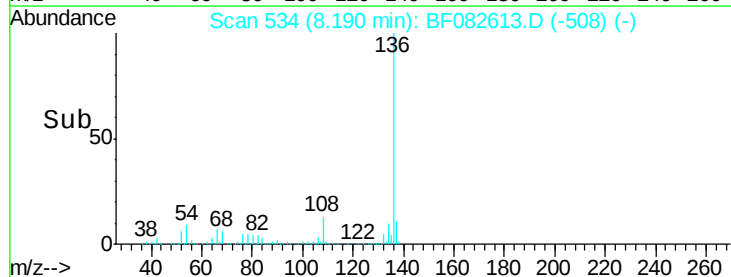
Delta R.T. -0.00 min

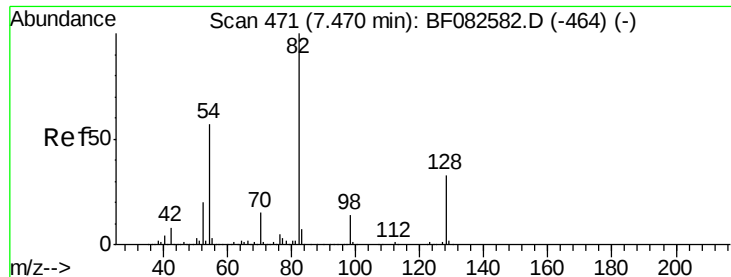
Lab File: BF082613.D

Acq: 31 Oct 2015 11:13



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	796951		
137	10.9	9.1	13.7	
54	9.2	9.1	13.7	
68	5.8	4.8	7.2	





#23

Nitrobenzene-d5

Concen: 18.21 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

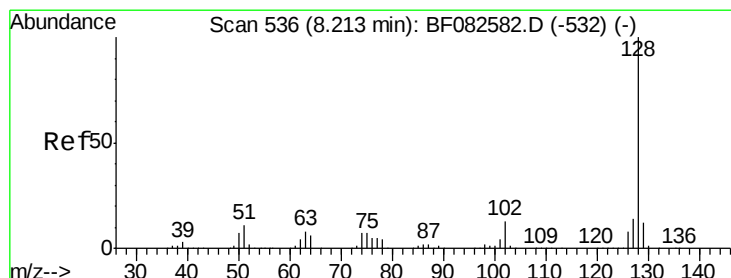
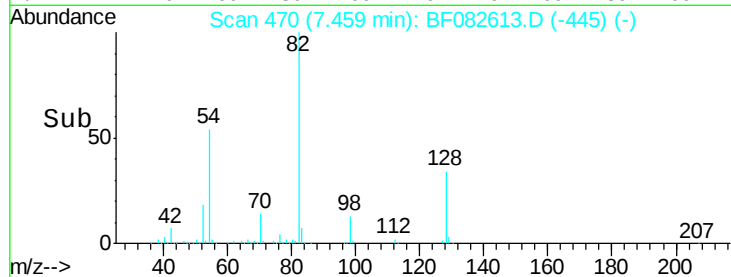
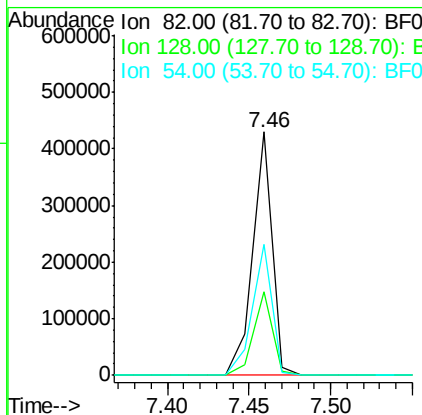
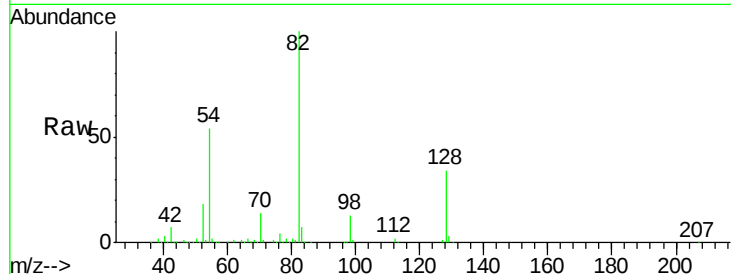
ClientSampleId :

S6-BOILERROOM2.5FTDEEPDL

Tgt Ion:	82	Resp:	355336
Ion Ratio	Lower	Upper	
82	100		
128	34.4	26.8	40.2
54	53.9	45.7	68.5

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#31

Naphthalene

Concen: 13.86 ng

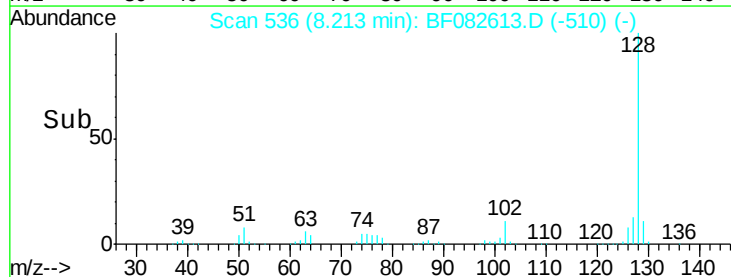
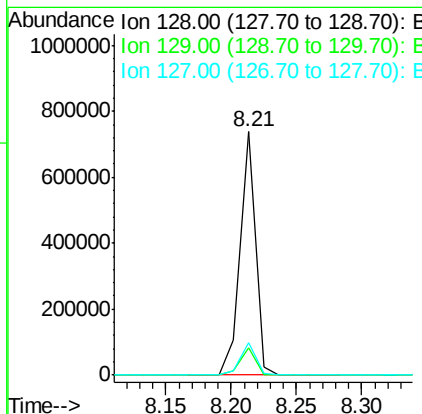
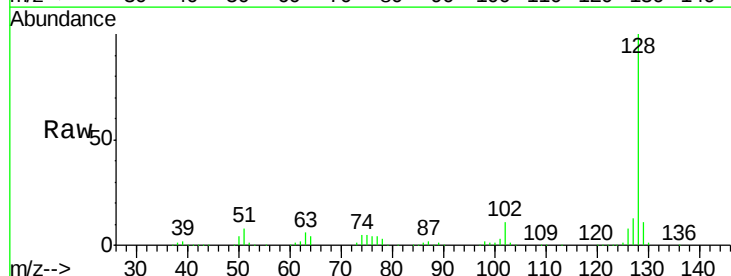
RT: 8.21 min Scan# 536

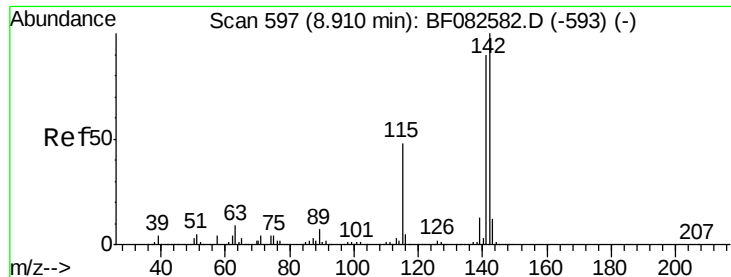
Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Tgt Ion:	128	Resp:	597899
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.5	14.3
127	13.2	11.4	17.0





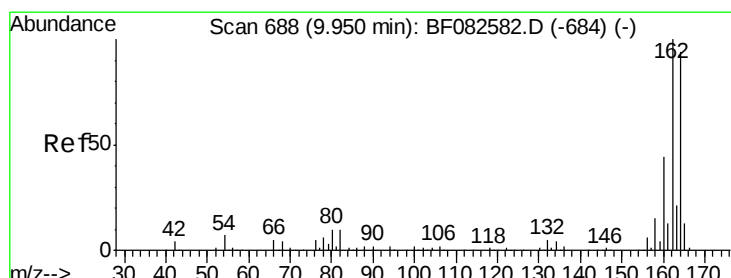
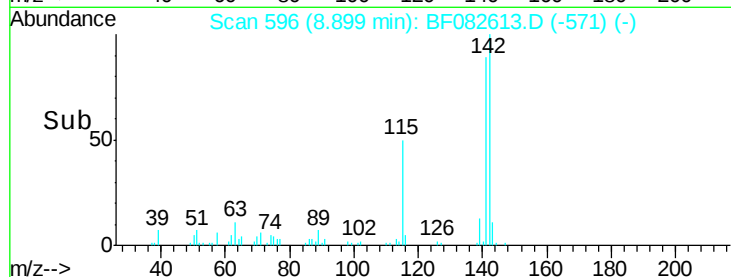
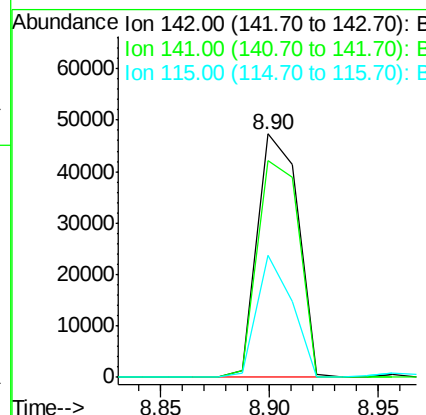
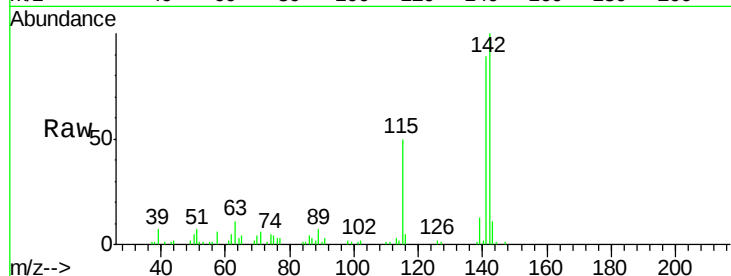
#37
2-Methylnaphthalene
Concen: 2.22 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.3	108.5
115	50.3	38.1	57.1

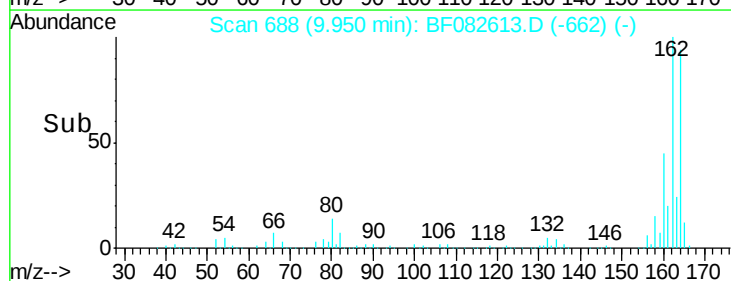
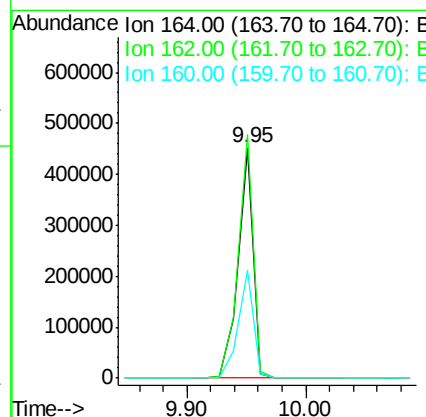
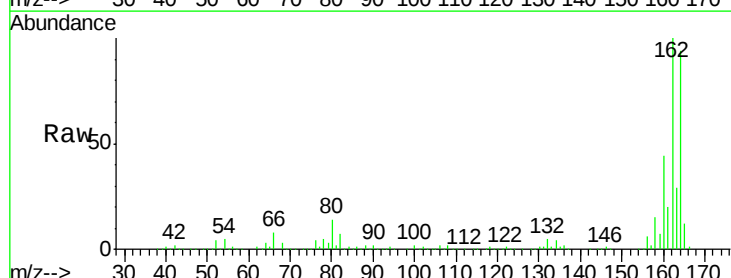
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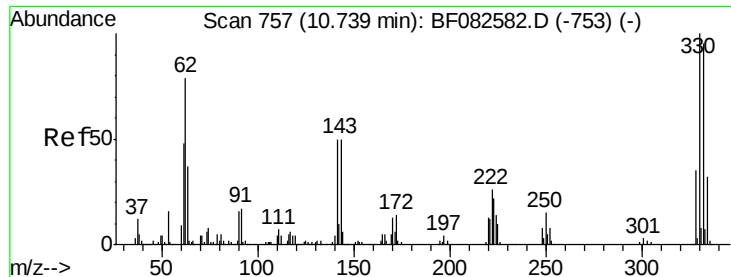
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	84.9	127.3
160	47.2	37.5	56.3





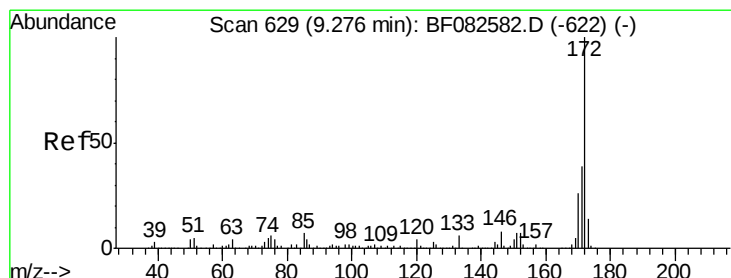
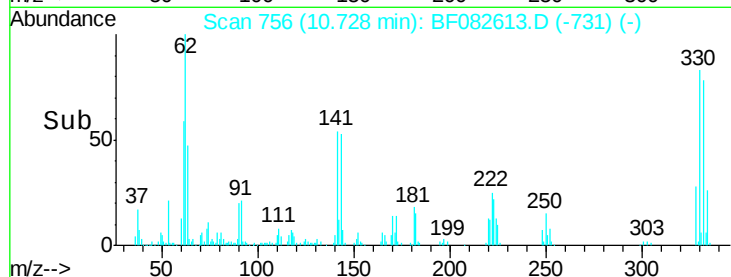
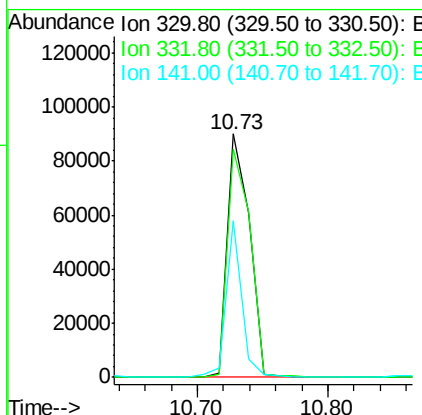
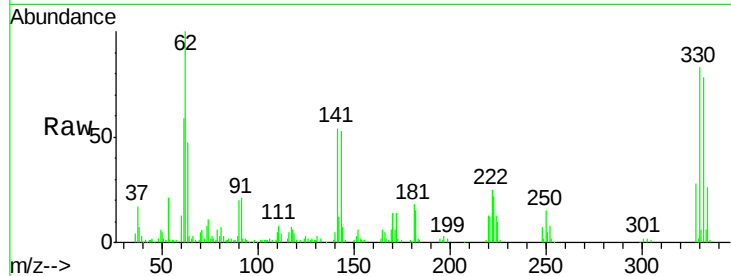
#41
 2,4,6-Tribromophenol
 Concen: 24.33 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF082613.D
 Acq: 31 Oct 2015 11:13

Instrument :
 BNA_F
 ClientSampleId :
 S6-BOILERROOM2.5FTDEEPDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	106112		
332	96.5	76.6	114.8	
141	45.4	41.2	61.8	

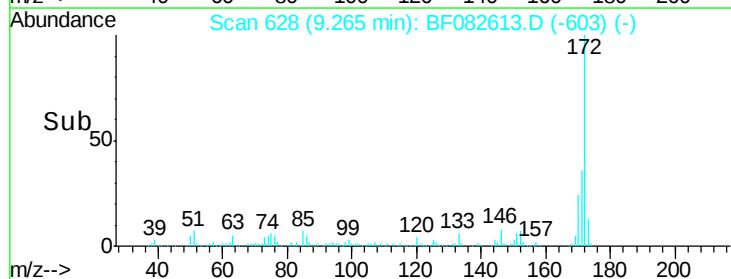
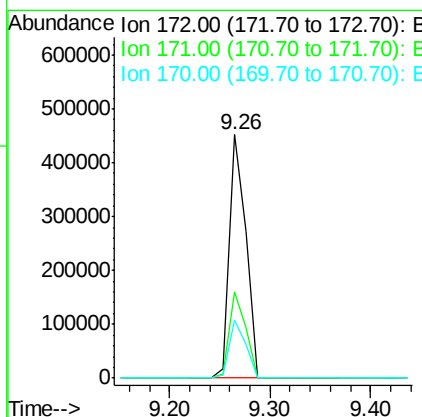
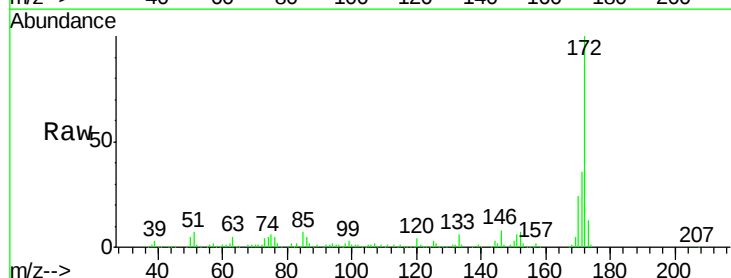
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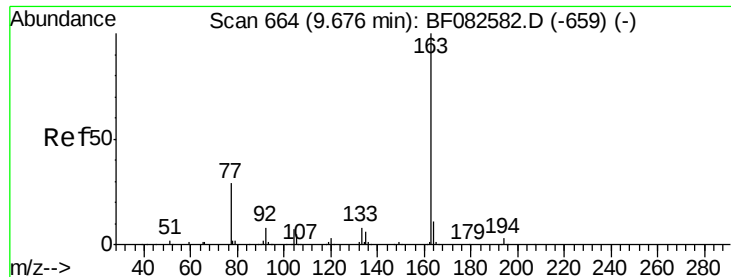
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#44
 2-Fluorobiphenyl
 Concen: 18.24 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF082613.D
 Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	511941		
171	35.5	30.8	46.2	
170	23.8	21.2	31.8	





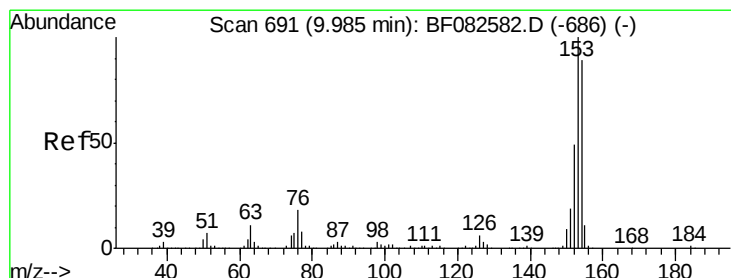
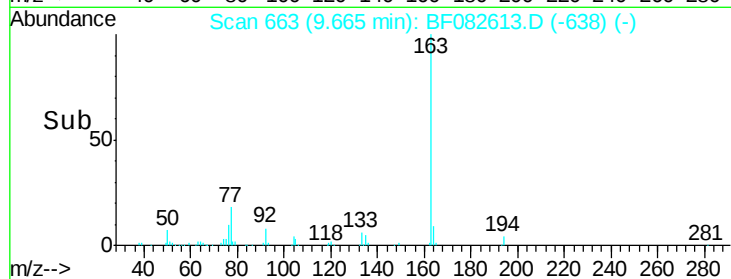
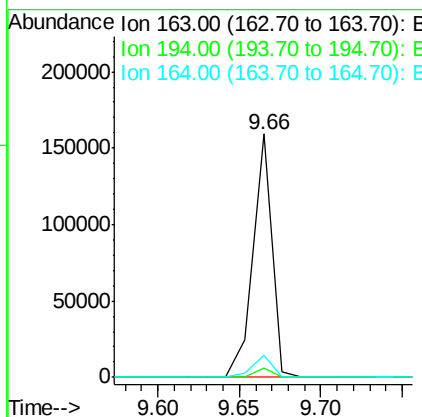
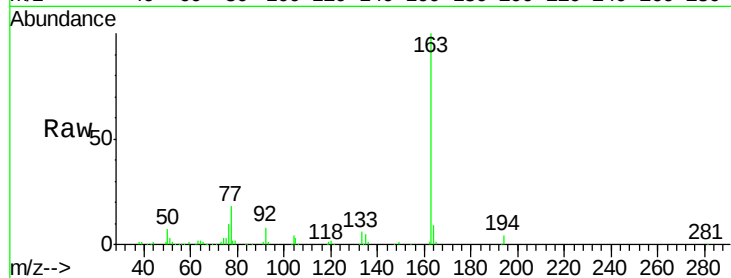
#49
Dimethylphthalate
Concen: 3.97 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPDL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	129308		
194	3.8	2.6	4.0	
164	9.3	8.7	13.1	

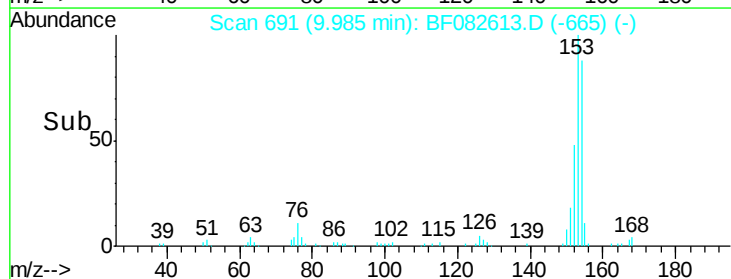
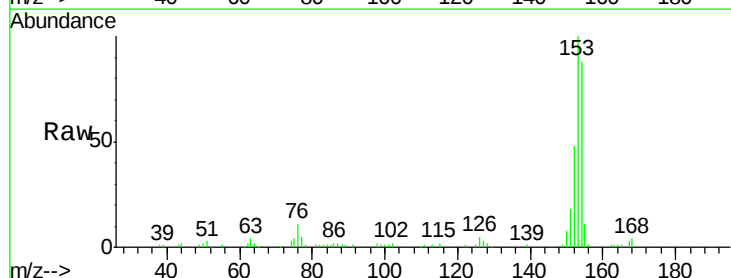
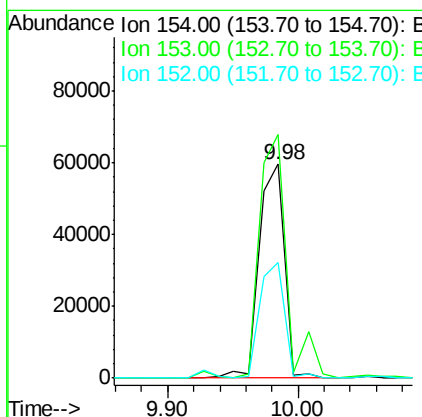
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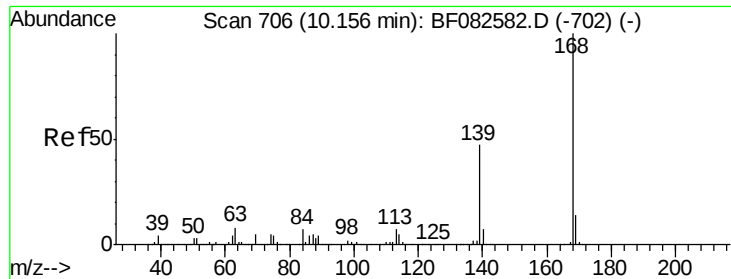
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#51
Acenaphthene
Concen: 3.01 ng
RT: 9.98 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	80446		
153	113.9	90.1	135.1	
152	54.3	44.3	66.5	





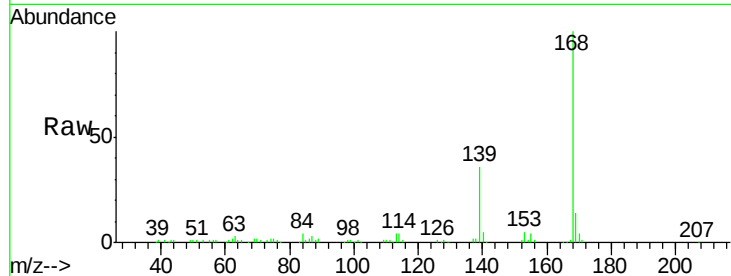
#54
Dibenzenofuran
Concen: 3.65 ng
RT: 10.16 min Scan# 706
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPL

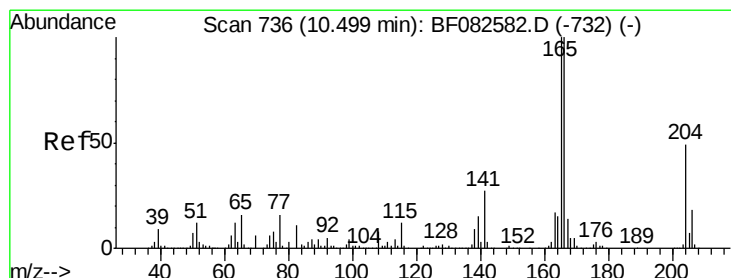
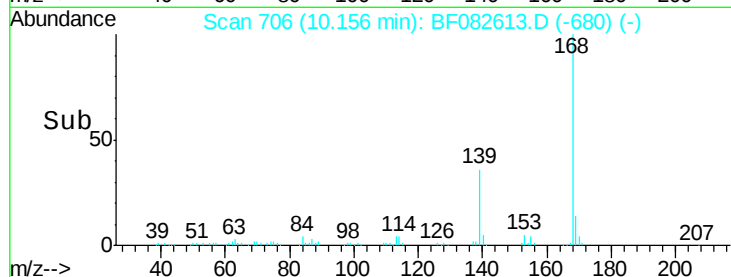
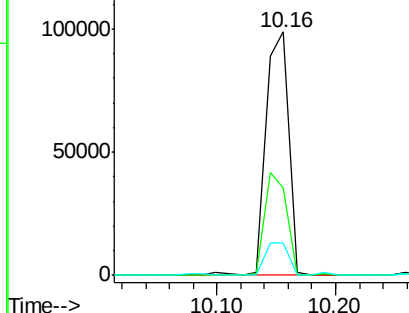
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.8	37.8	56.6#
169	13.6	11.3	16.9

Manual Integrations
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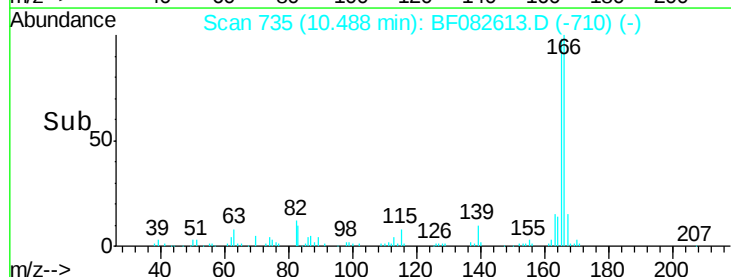
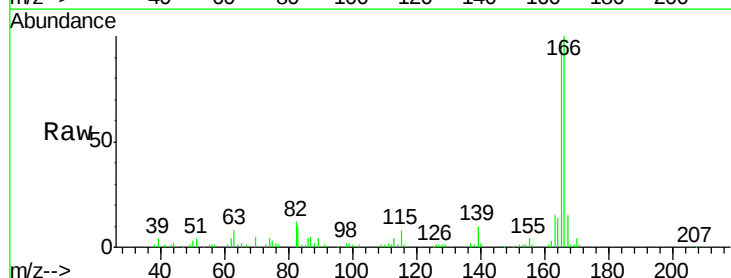
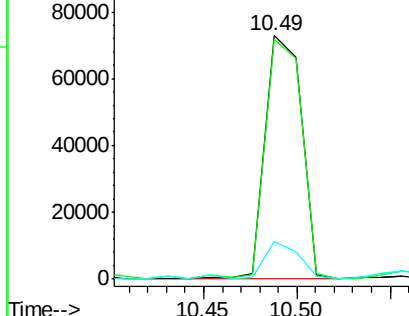
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

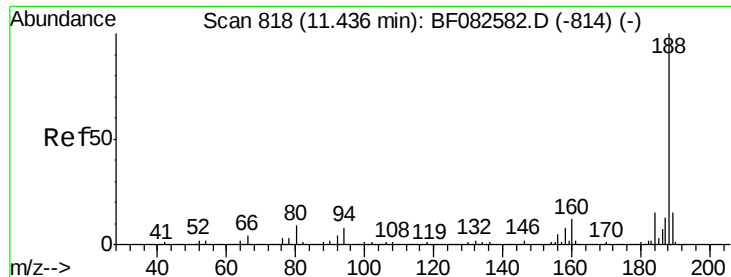


#57
Fluorene
Concen: 3.37 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.2	120.4
167	15.2	11.2	16.8

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

Tgt Ion:188 Resp: 706519
Ion Ratio Lower Upper

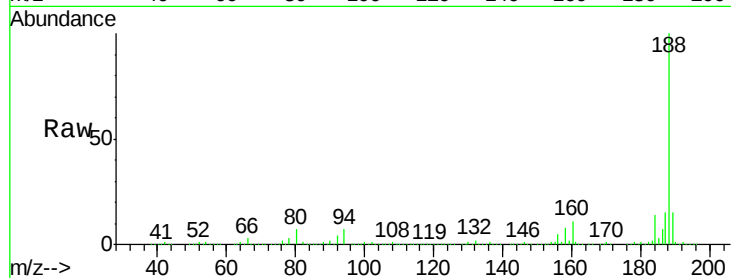
188 100

94 6.6 6.1 9.1

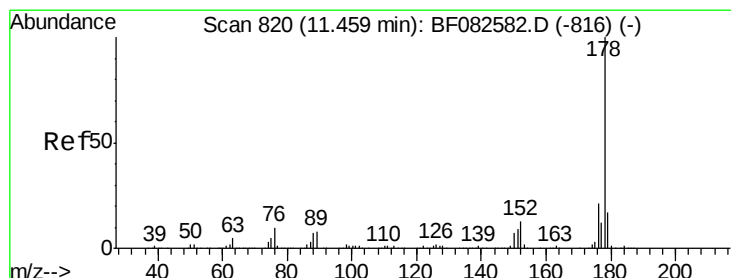
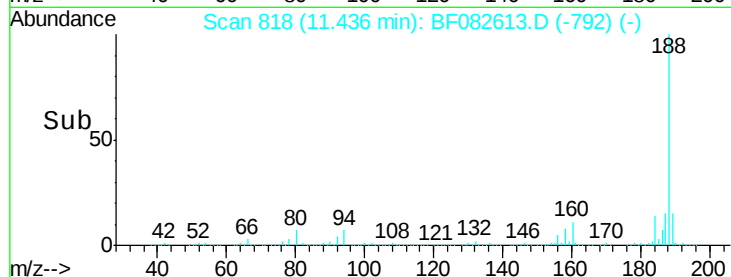
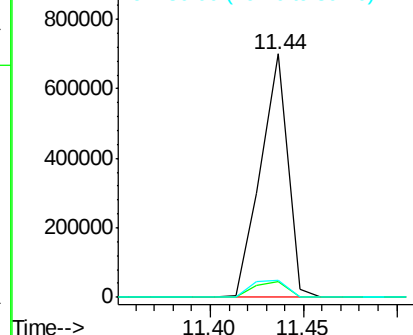
80 7.0 7.0 10.6#

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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: 33.54 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF082613.D

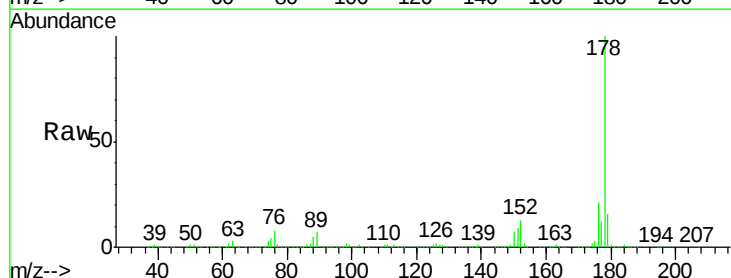
Acq: 31 Oct 2015 11:13

Tgt Ion:178 Resp: 1336458
Ion Ratio Lower Upper

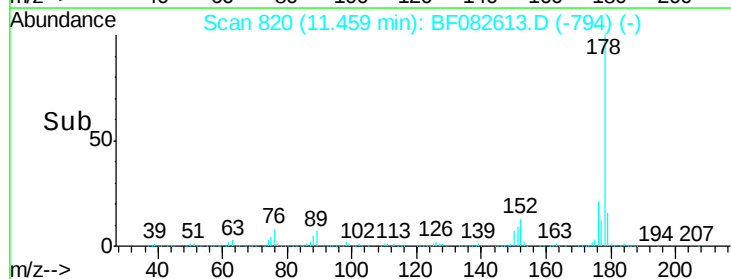
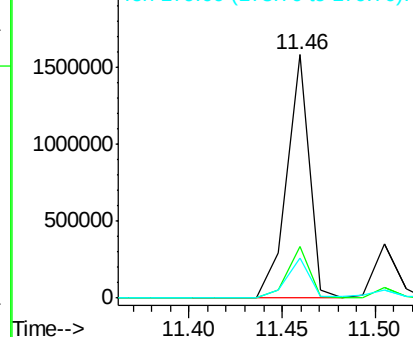
178 100

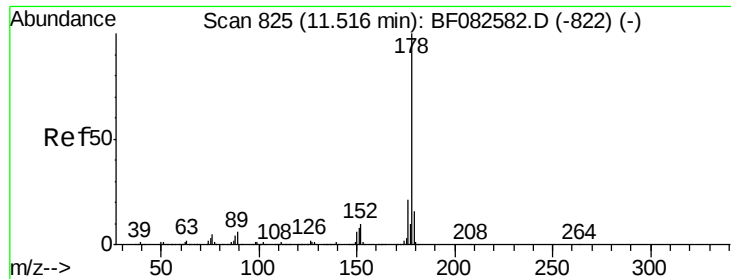
176 21.2 17.0 25.4

179 16.3 13.4 20.0



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





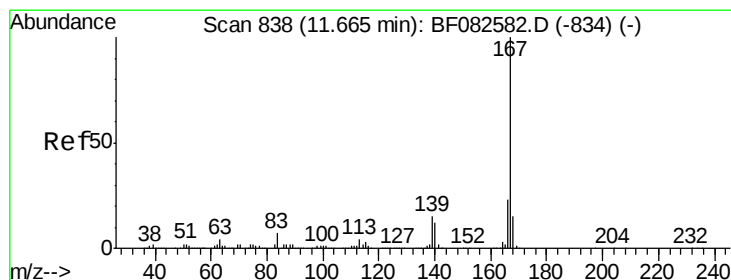
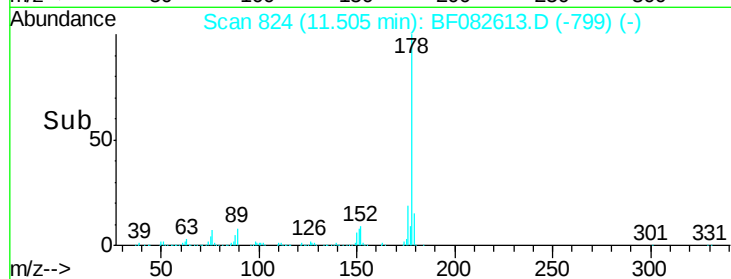
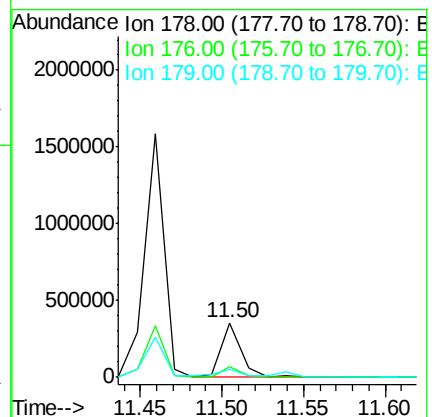
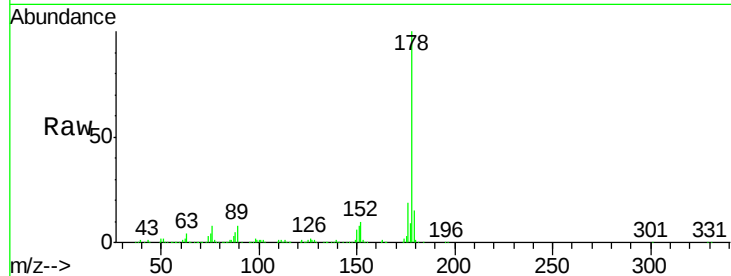
#71
 Anthracene
 Concen: 7.61 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF082613.D
 Acq: 31 Oct 2015 11:13

Instrument :
 BNA_F
 ClientSampleId :
 S6-BOILERROOM2.5FTDEEPL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.5	24.7
179	15.4	13.2	19.8

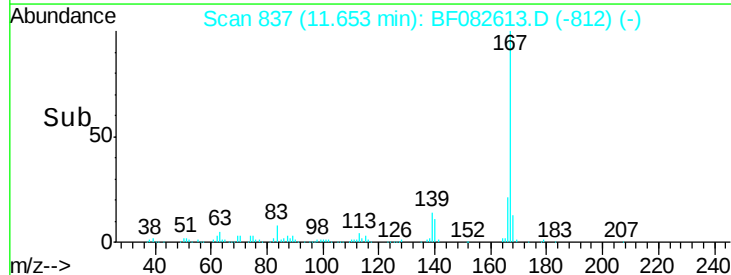
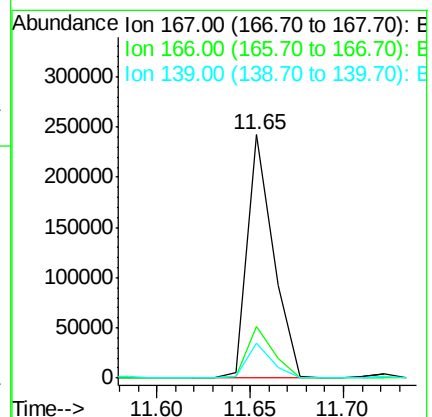
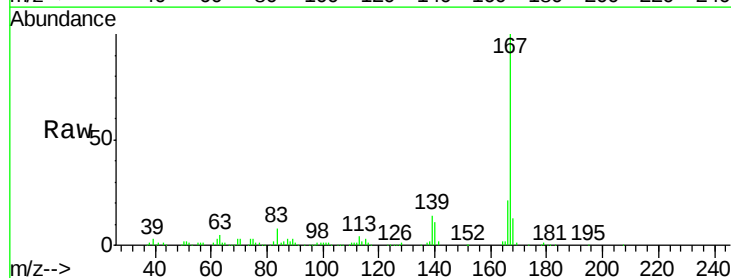
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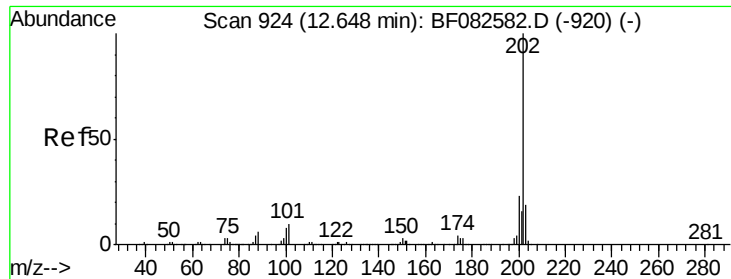
Mmdadoda
 11/2/2015 4:32:30 PM



#72
 Carbazole
 Concen: 6.72 ng
 RT: 11.65 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF082613.D
 Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.7	28.1
139	14.5	11.8	17.6





#74

Fluoranthene

Concen: 31.47 ng

RT: 12.65 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082613.D

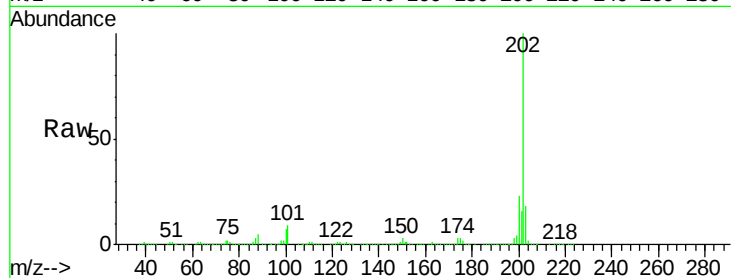
Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

ClientSampleId :

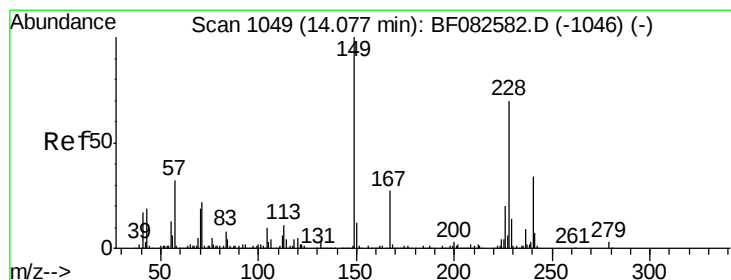
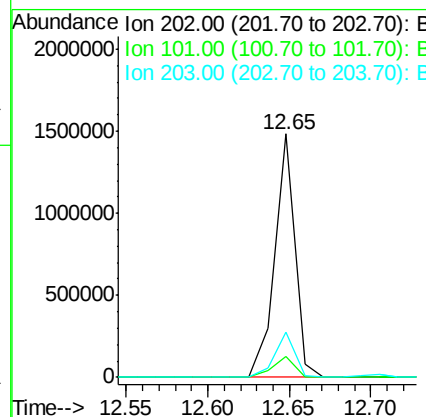
S6-BOILERROOM2.5FTDEEPL



Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	30.5
203	18.4	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

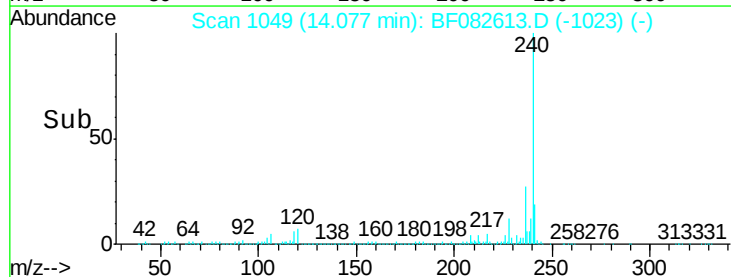
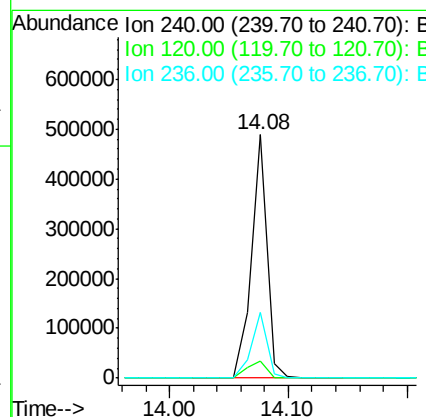
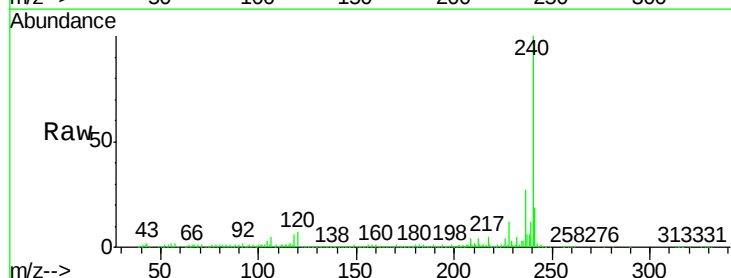
RT: 14.08 min Scan# 1049

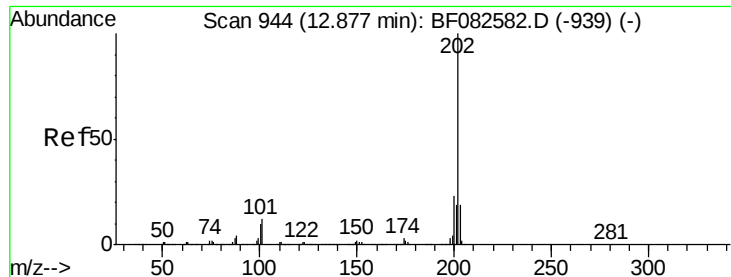
Delta R.T. -0.00 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.8	10.9	16.3#
236	26.8	21.6	32.4





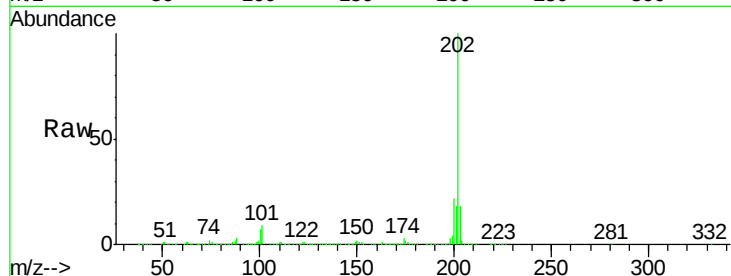
#77
Pyrene
Concen: 31.16 ng
RT: 12.88 min Scan# 944
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPDL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.7	28.1
203	18.1	14.8	22.2

Manual Integrations
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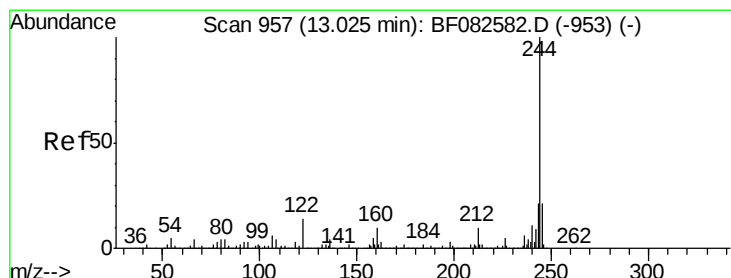
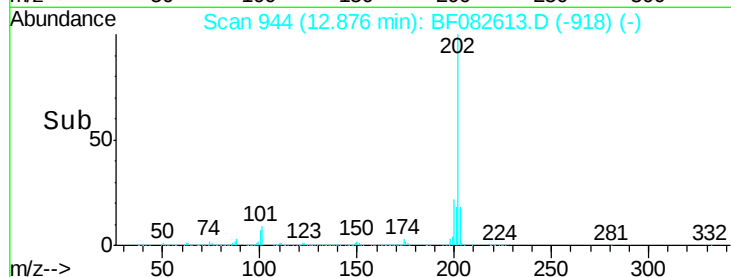
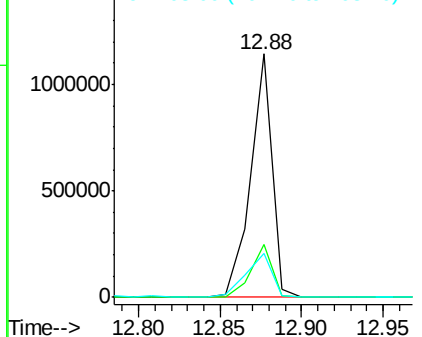


Abundance

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: 22.41 ng
RT: 13.03 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

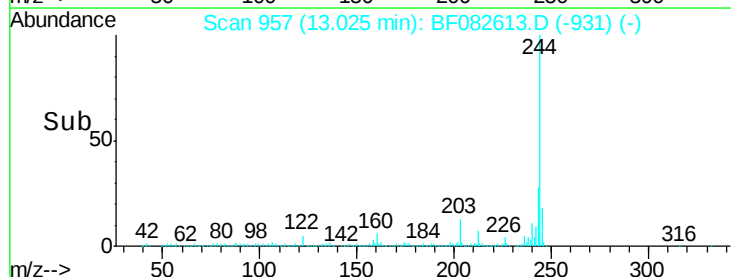
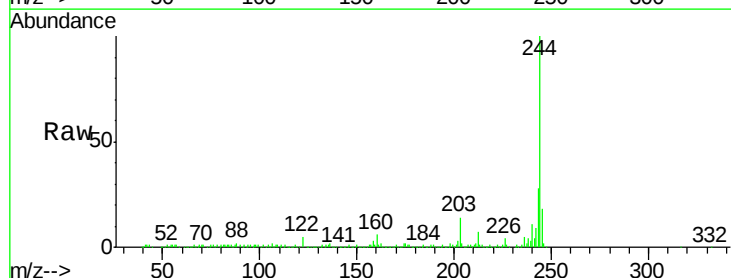
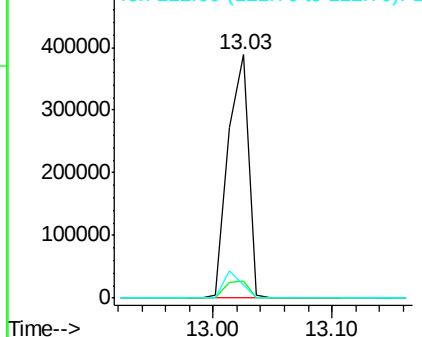
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	7.6	11.4#
122	5.2	11.3	16.9#

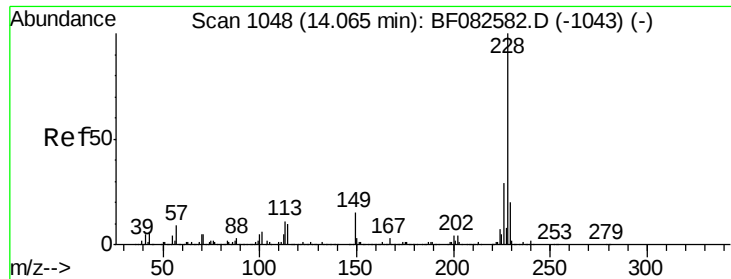
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





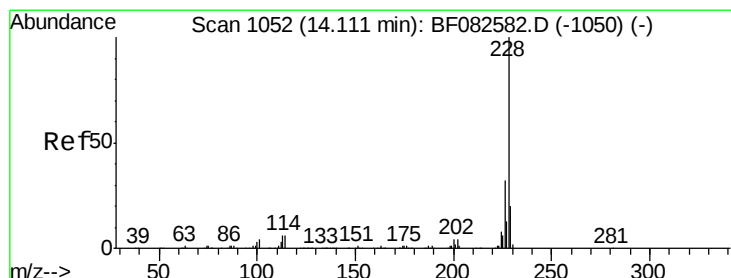
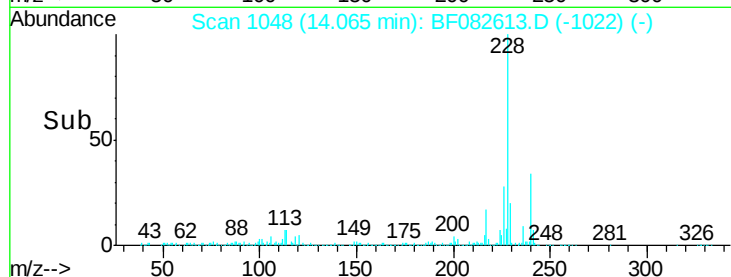
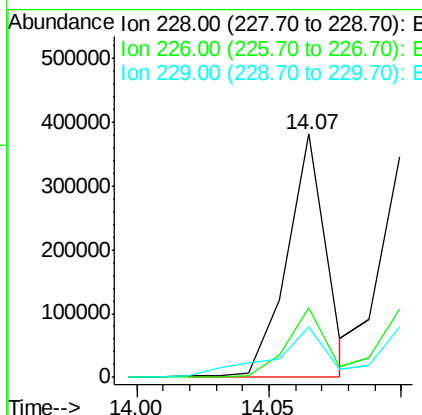
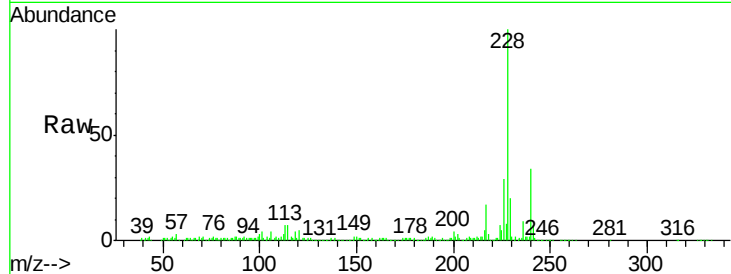
#80
Benzo(a)anthracene
Concen: 13.76 ng m
RT: 14.07 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	20.5	16.3	24.5

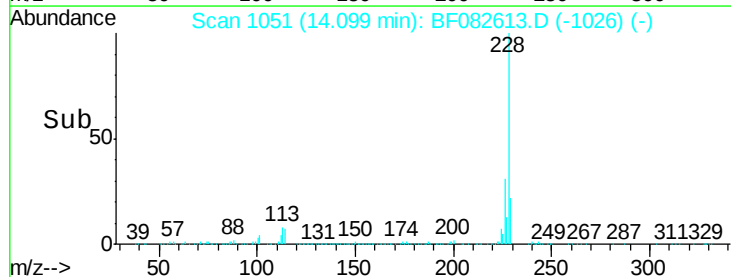
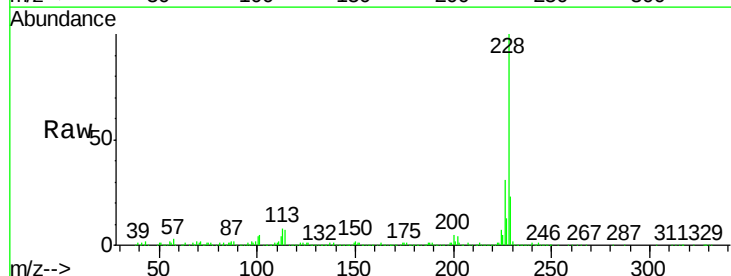
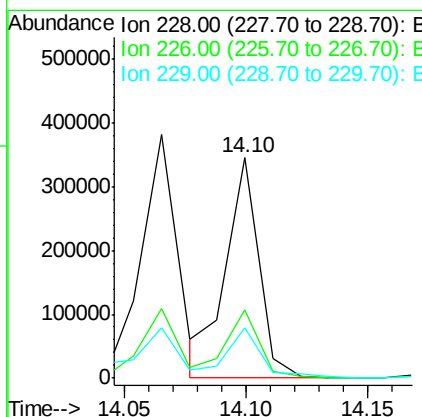
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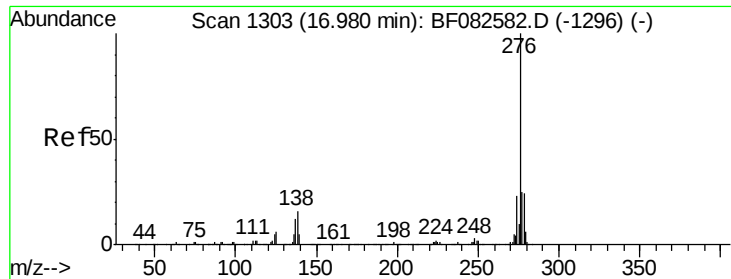
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#82
Chrysene
Concen: 12.49 ng m
RT: 14.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.5	38.3
229	22.6	16.3	24.5





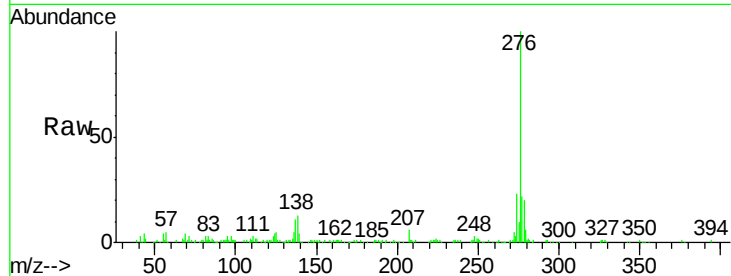
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.65 ng
RT: 16.97 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEPDL

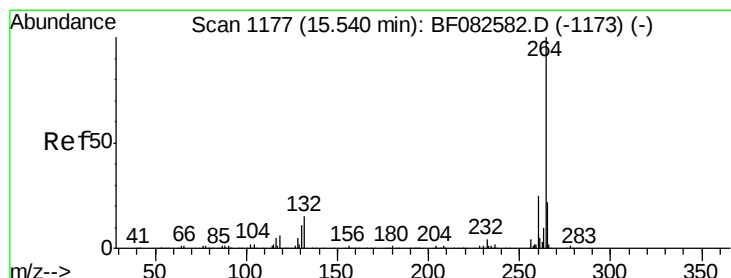
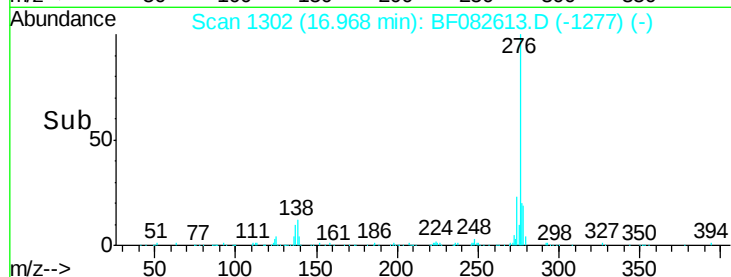
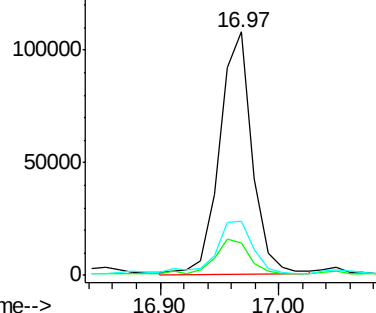
Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	15.6	15.3	22.9
277	25.5	20.2	30.4

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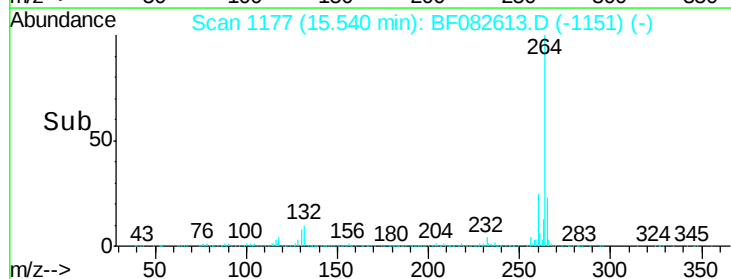
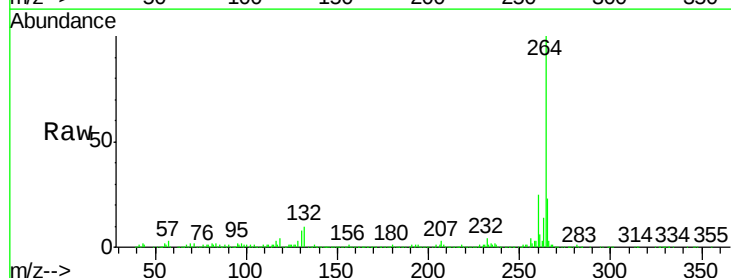
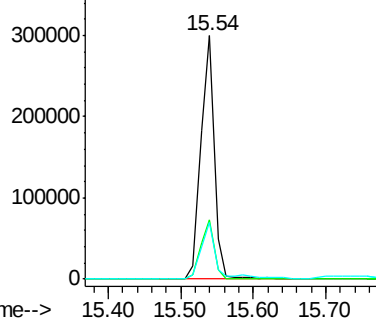
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

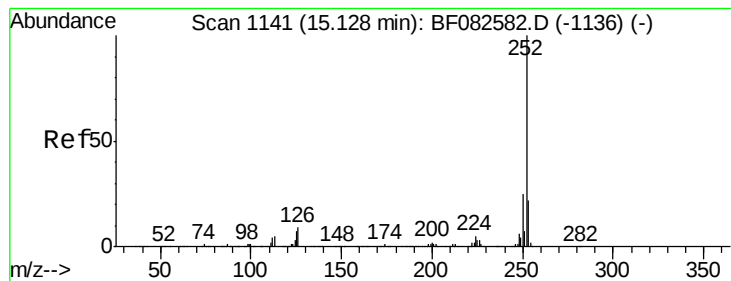


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF082613.D
Acq: 31 Oct 2015 11:13

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.6	19.8	29.6
265	23.4	17.4	26.0

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.59 ng m

RT: 15.12 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF082613.D

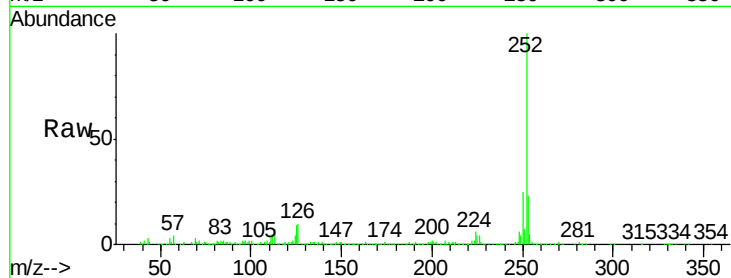
Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL



Tgt Ion: 252 Resp: 364098

Ion Ratio Lower Upper

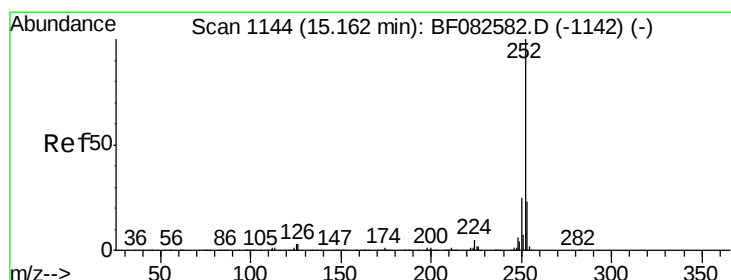
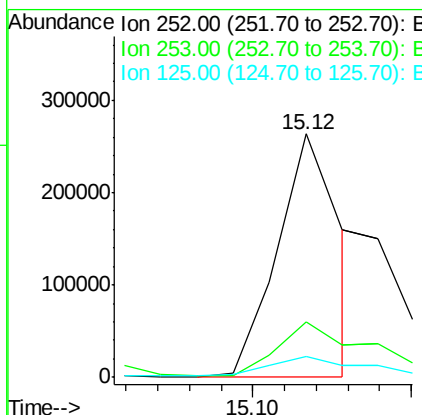
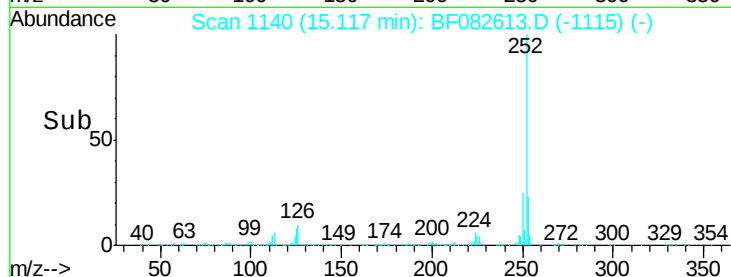
252 100

253 22.9 17.8 26.8

125 8.5 5.4 8.2#

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#88

Benzo(k)fluoranthene

Concen: 7.29 ng m

RT: 15.13 min Scan# 1141

Delta R.T. -0.03 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

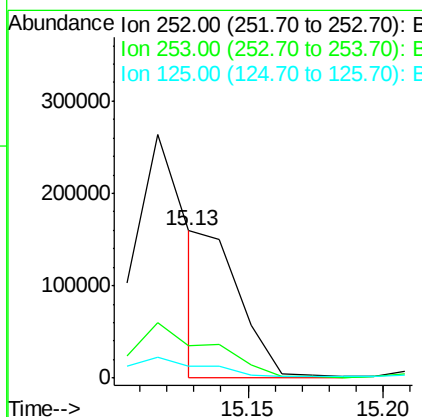
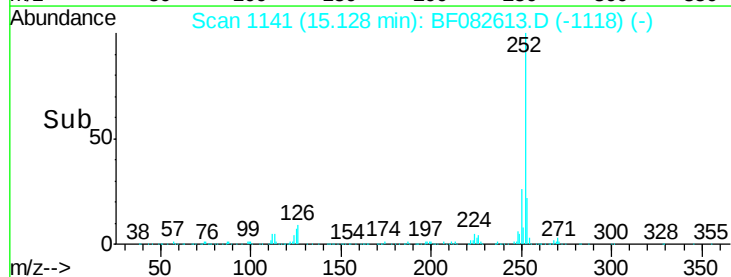
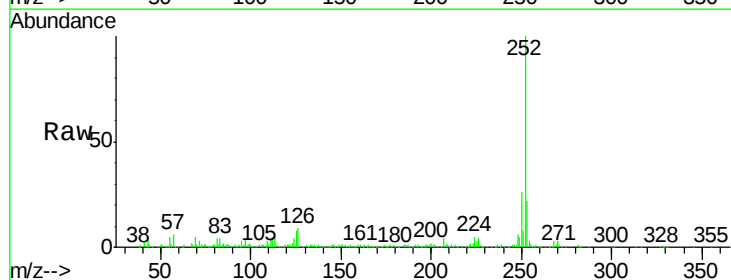
Tgt Ion: 252 Resp: 148785

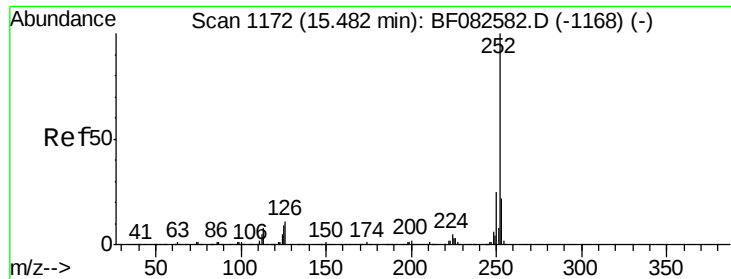
Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 8.2 3.5 5.3#





#89

Benzo(a)pyrene

Concen: 11.65 ng

RT: 15.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF082613.D

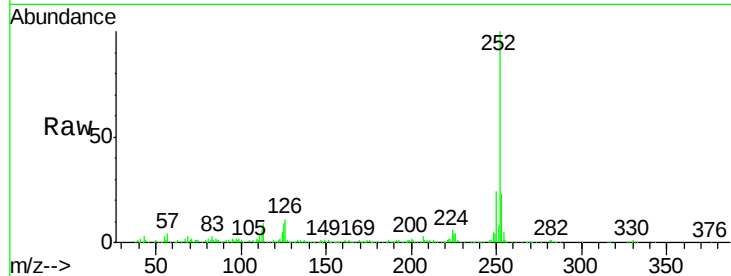
Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

ClientSampleId :

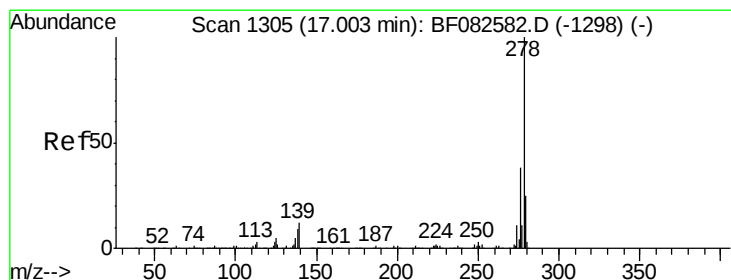
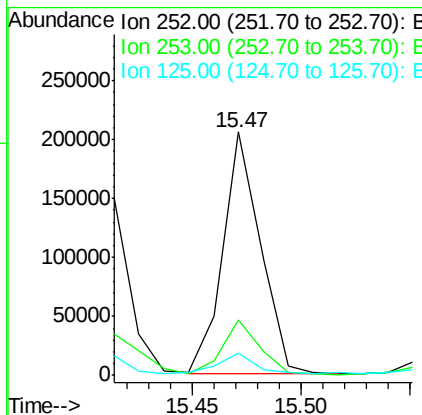
S6-BOILERROOM2.5FTDEEPL



Tgt Ion:	252	Resp:	245834
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	8.9	7.1	10.7

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#90

Dibenzo(a,h)anthracene

Concen: 2.24 ng m

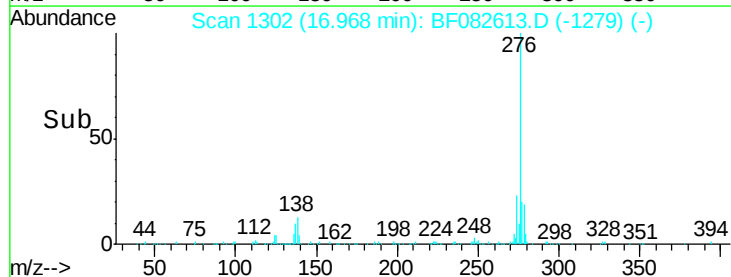
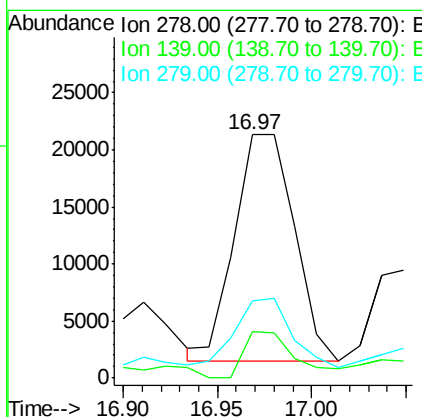
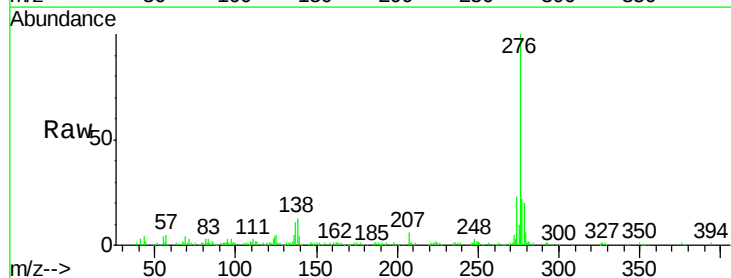
RT: 16.97 min Scan# 1302

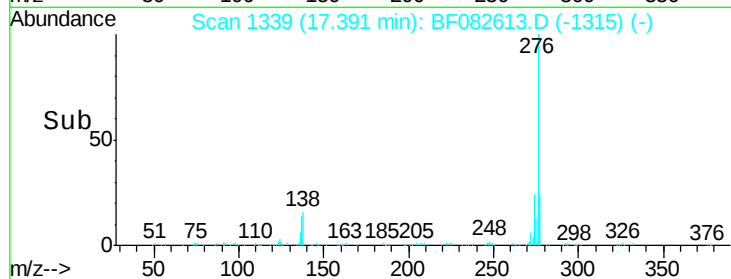
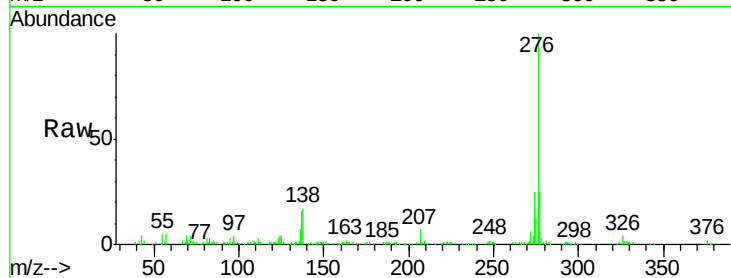
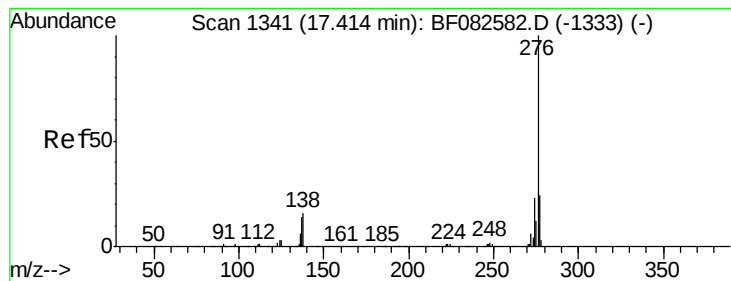
Delta R.T. -0.03 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Tgt Ion:	278	Resp:	44043
Ion Ratio	Lower	Upper	
278	100		
139	19.3	9.9	14.9#
279	31.7	19.6	29.4#





#91

Benzo(g,h,i)perylene

Concen: 10.14 ng

RT: 17.39 min Scan# 1339

Delta R.T. -0.02 min

Lab File: BF082613.D

Acq: 31 Oct 2015 11:13

Instrument :

BNA_F

ClientSampleId :

S6-BOILERROOM2.5FTDEEPL

Tgt	Ion	276	Resp:	193482
Ion	Ratio	Lower	Upper	
276	100			
277	24.6	19.2	28.8	
138	16.5	13.1	19.7	

Manual Integrations
APPROVED

Mmdadoda
11/2/2015 4:32:30 PM

