Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103015\
Data File : BF082612.D
Acq On : 31 Oct 2015 10:44
Operator : UM/IZ
Sample : G4178-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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11/2/2015 4:32:30 PM

Quant Time: Nov 02 07:00:37 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	245156	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	968356	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	509918	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	821916	20.00	ng	0.00
75) Chrysene-d12	14.09	240	528345	20.00	ng	0.01
86) Perylene-d12	15.55	264	482201	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	2217075	136.21	ng	0.02
7) Phenol-d6	6.54	99	2981855	137.89	ng	0.01
23) Nitrobenzene-d5	7.47	82	2097485	88.45	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	620513	111.19	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	3036848	84.56	ng	0.00
78) Terphenyl-d14	13.04	244	2346110	97.18	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.21	128	2889111	55.14	ng	98
37) 2-Methylnaphthalene	8.91	142	411019	12.10	ng	94
45) 1,1'-Biphenyl	9.37	154	155084	3.60	ng	96
48) Acenaphthylene	9.80	152	170785	3.17	ng	98
49) Dimethylphthalate	9.66	163	769934	18.49	ng	99
51) Acenaphthene	9.98	154	524189	15.35	ng	99
54) Dibenzofuran	10.16	168	869422	18.76	ng	92
57) Fluorene	10.50	166	627785	16.79	ng	99
70) Phenanthrene	11.47	178	6087168m	131.31	ng	
71) Anthracene	11.52	178	1608516m	34.46	ng	
72) Carbazole	11.67	167	1387597	34.13	ng	100
74) Fluoranthene	12.67	202	6147926	129.73	ng	93
77) Pyrene	12.89	202	4579183m	117.04	ng	
80) Benzo(a)anthracene	14.08	228	2341431	69.76	ng	97
82) Chrysene	14.11	228	1240287m	40.77	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	1116192	44.46	ng	94
87) Benzo(b)fluoranthene	15.14	252	2049515m	61.64	ng	
88) Benzo(k)fluoranthene	15.15	252	754375m	29.78	ng	
89) Benzo(a)pyrene	15.51	252	1415329m	54.05	ng	
90) Dibenzo(a,h)anthracene	17.01	278	259485m	10.62	ng	
91) Benzo(g,h,i)perylene	17.44	276	1054805	44.55	ng	100

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

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Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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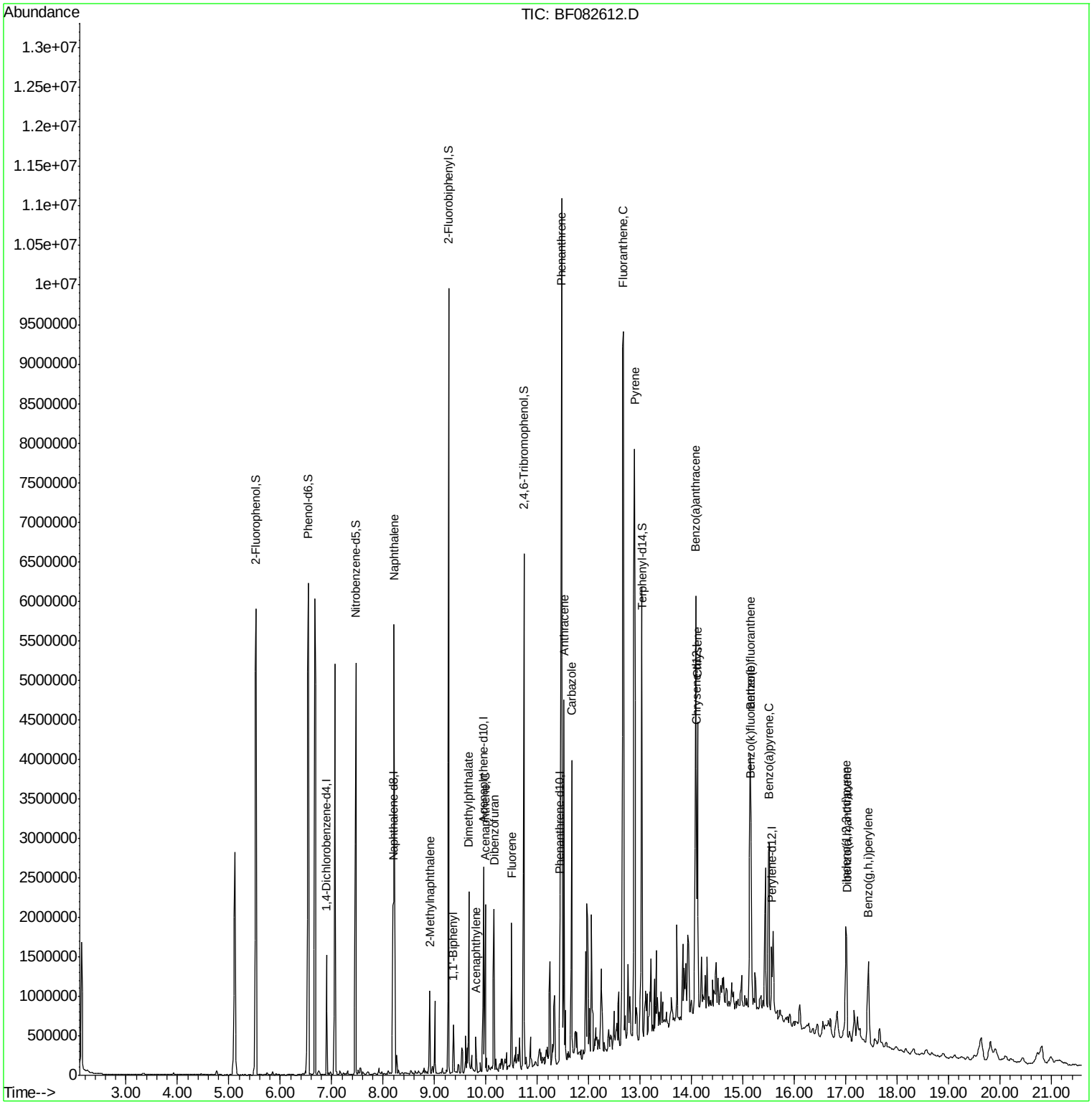
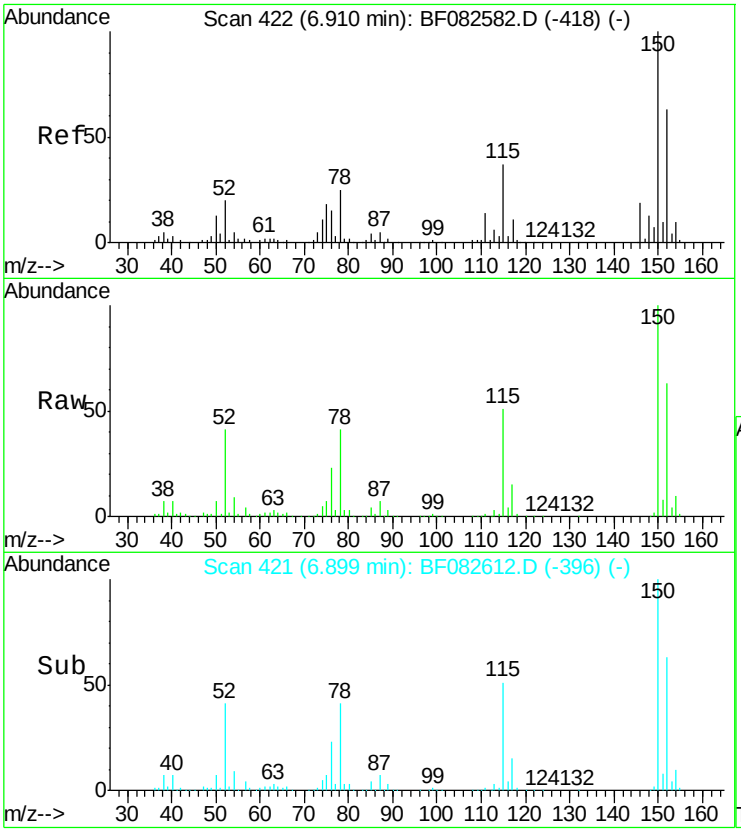
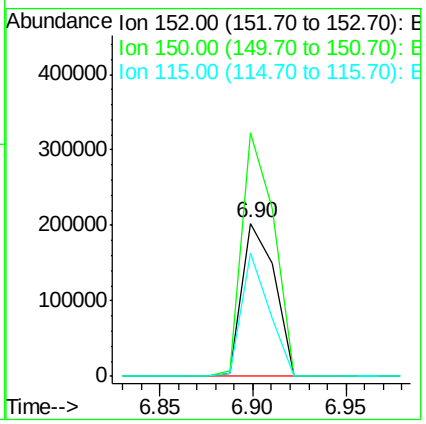




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:152 Resp: 245156

Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.0	190.4
115	80.6	47.0	70.6#



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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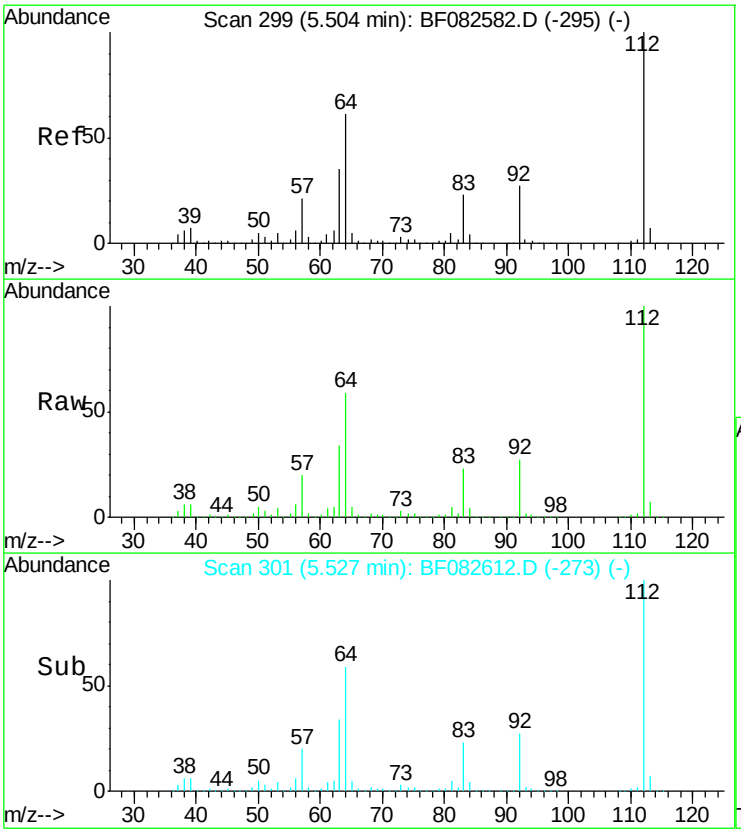
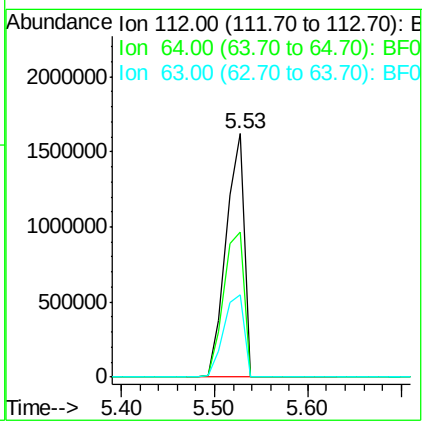
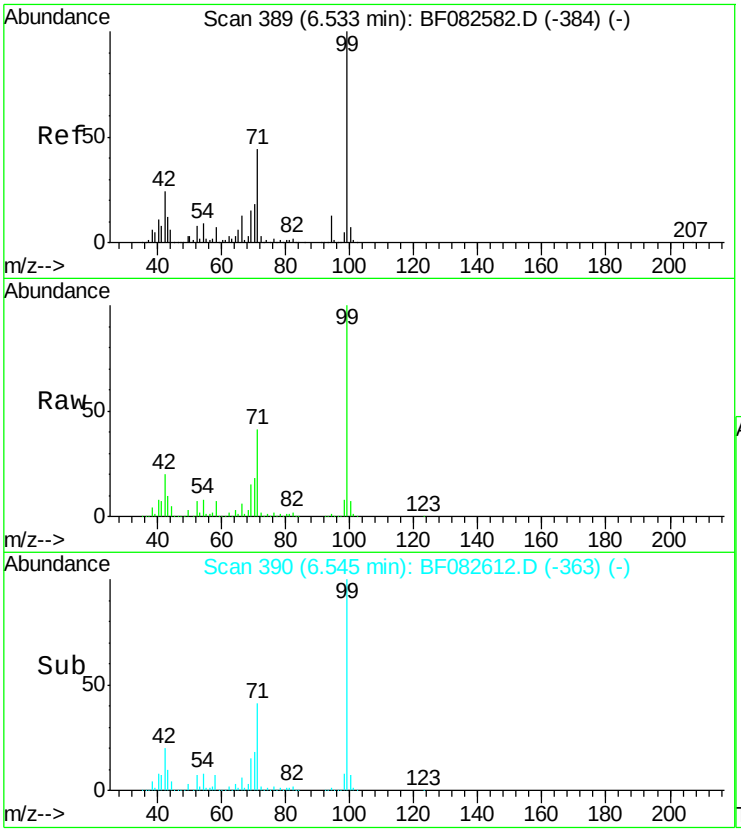


#5
2-Fluorophenol
Concen: 136.21 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.02 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:112 Resp: 2217075

Ion	Ratio	Lower	Upper
112	100		
64	59.4	48.9	73.3
63	33.6	28.1	42.1

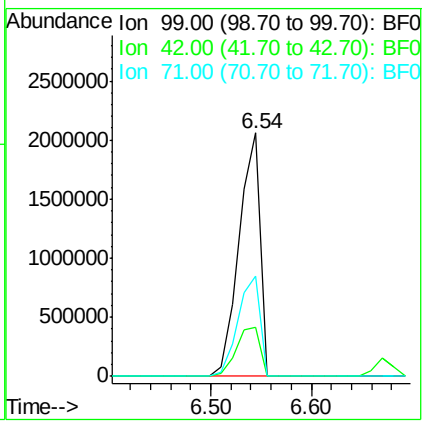




#7
Phenol-d6
Concen: 137.89 ng
RT: 6.54 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion: 99 Resp: 2981855

Ion	Ratio	Lower	Upper
99	100		
42	19.9	19.2	28.8
71	41.4	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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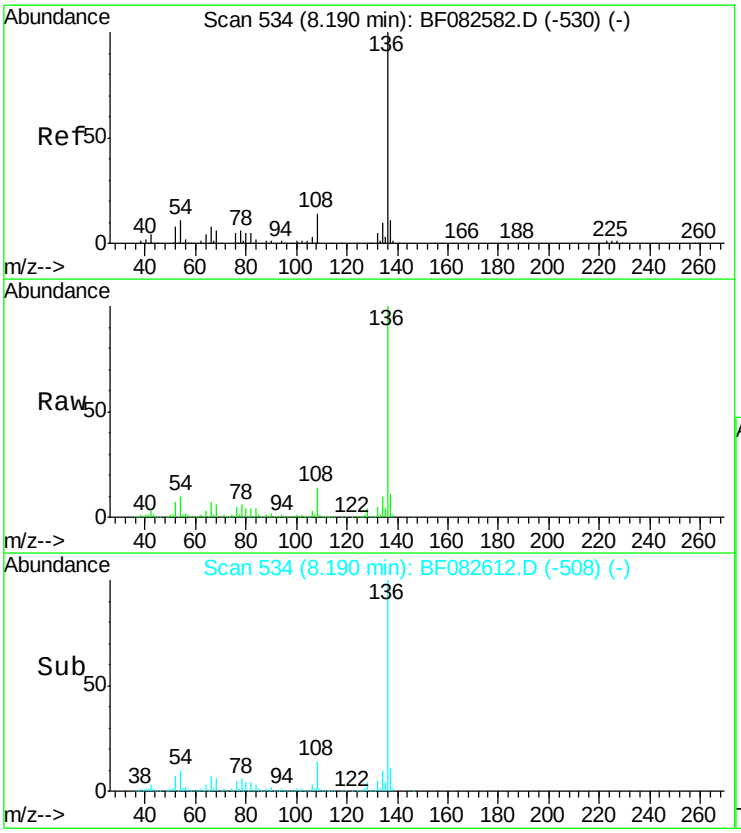
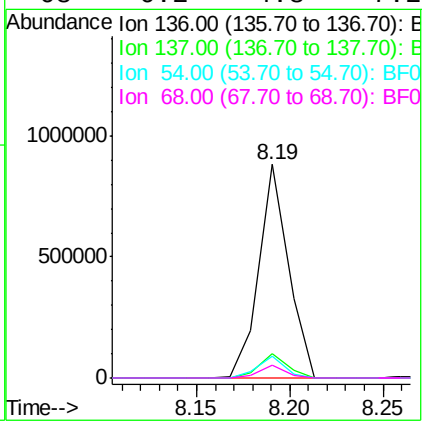
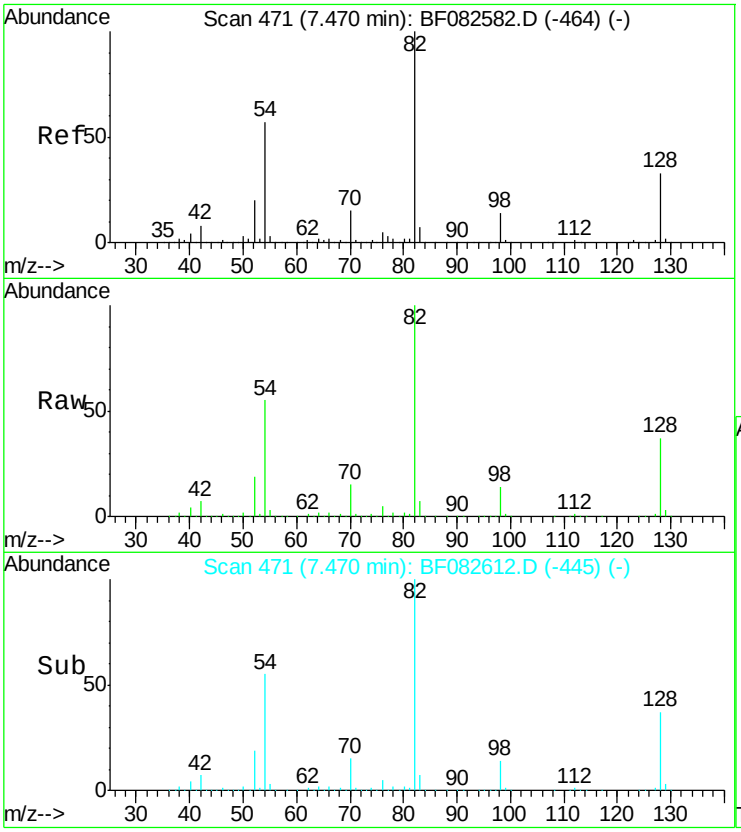


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:136 Resp: 968356

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.9	9.1	13.7
68	6.2	4.8	7.2

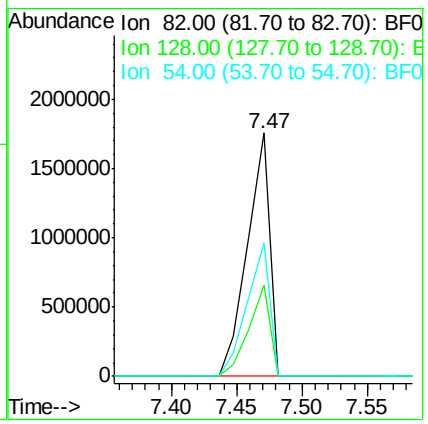




#23
Nitrobenzene-d5
Concen: 88.45 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion: 82 Resp: 2097485

Ion	Ratio	Lower	Upper
82	100		
128	37.4	26.8	40.2
54	55.1	45.7	68.5



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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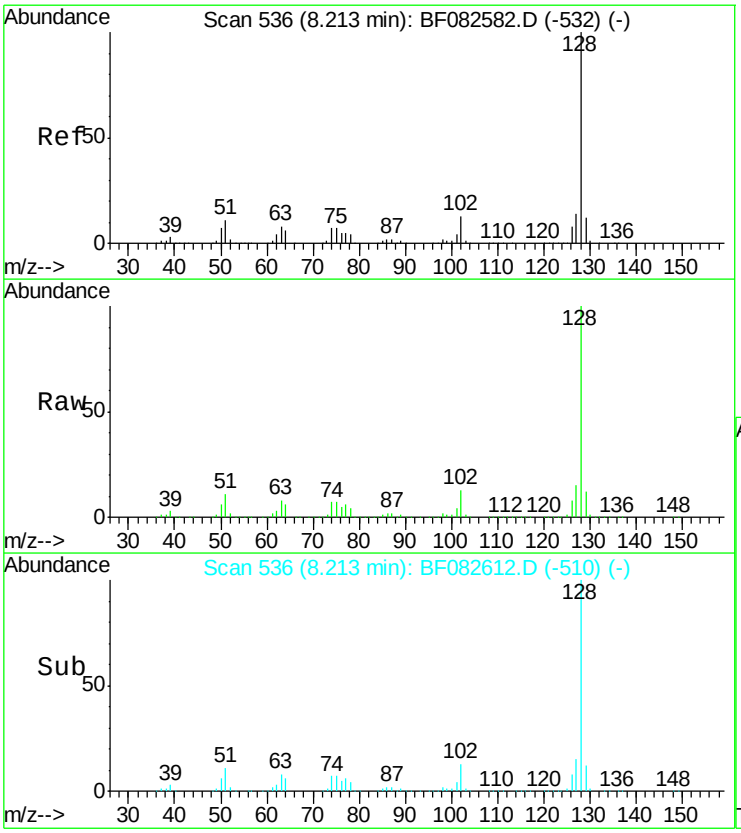
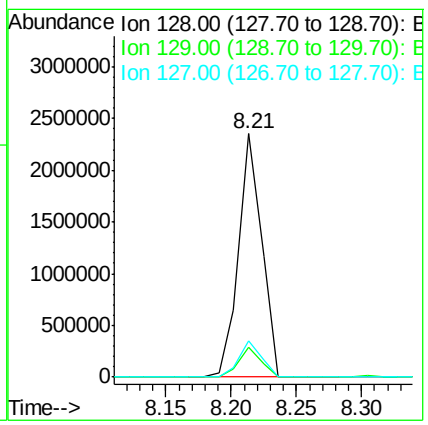
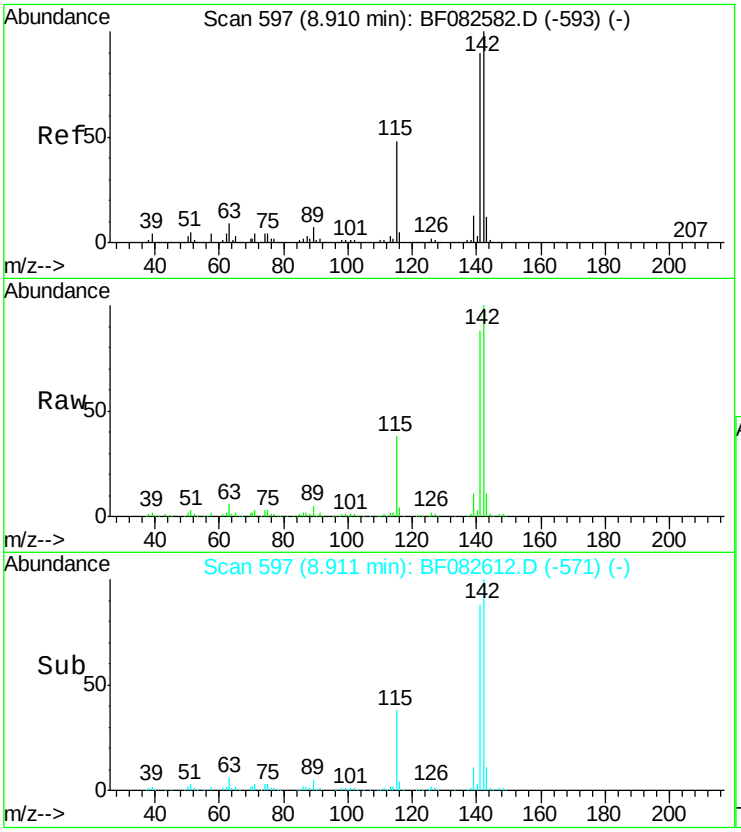


#31
Naphthalene
Concen: 55.14 ng
RT: 8.21 min Scan# 536
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:128 Resp: 2889111

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.5	14.3
127	15.0	11.4	17.0

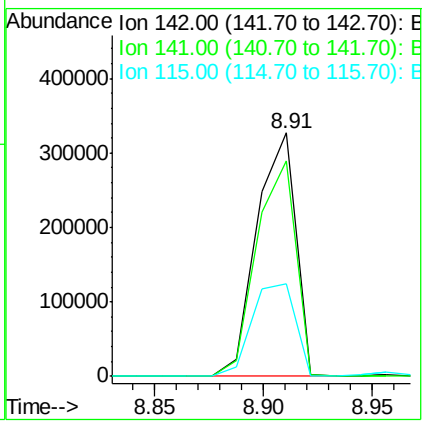




#37
2-Methylnaphthalene
Concen: 12.10 ng
RT: 8.91 min Scan# 597
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:142 Resp: 411019

Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.3	108.5
115	38.1	38.1	57.1



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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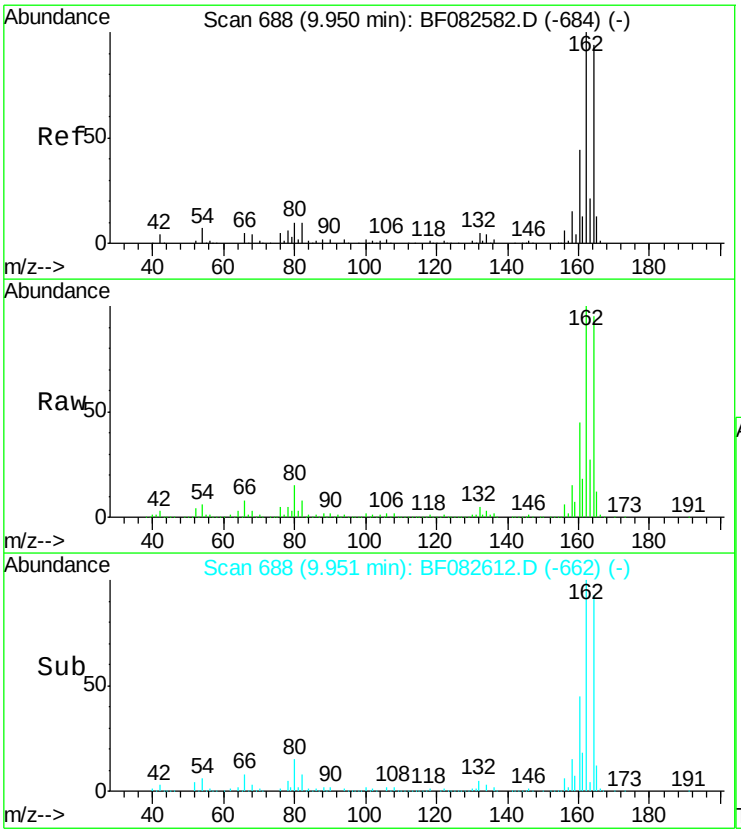
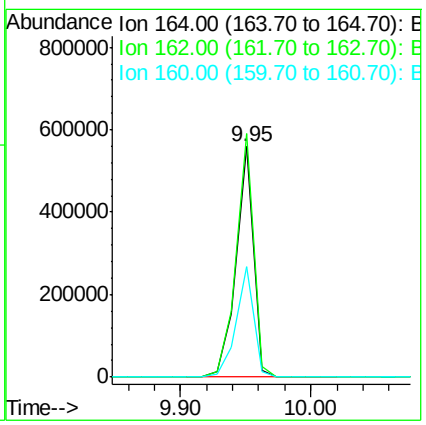
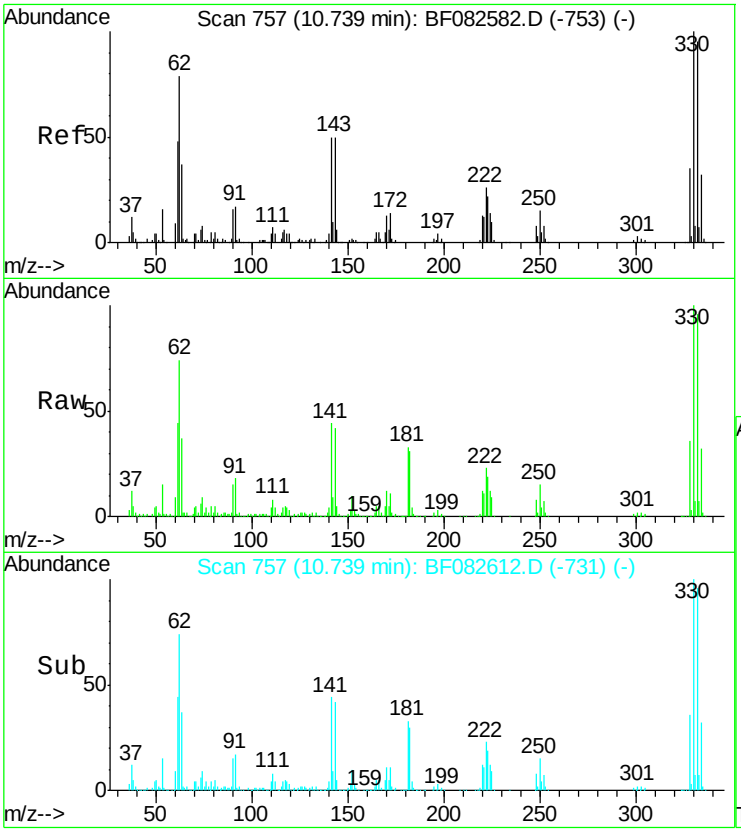


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 688
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:164 Resp: 509918

Ion	Ratio	Lower	Upper
164	100		
162	105.6	84.9	127.3
160	47.8	37.5	56.3

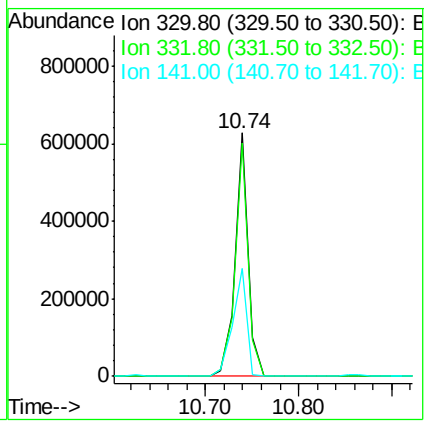




#41
2,4,6-Tribromophenol
Concen: 111.19 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:330 Resp: 620513

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	47.3	41.2	61.8



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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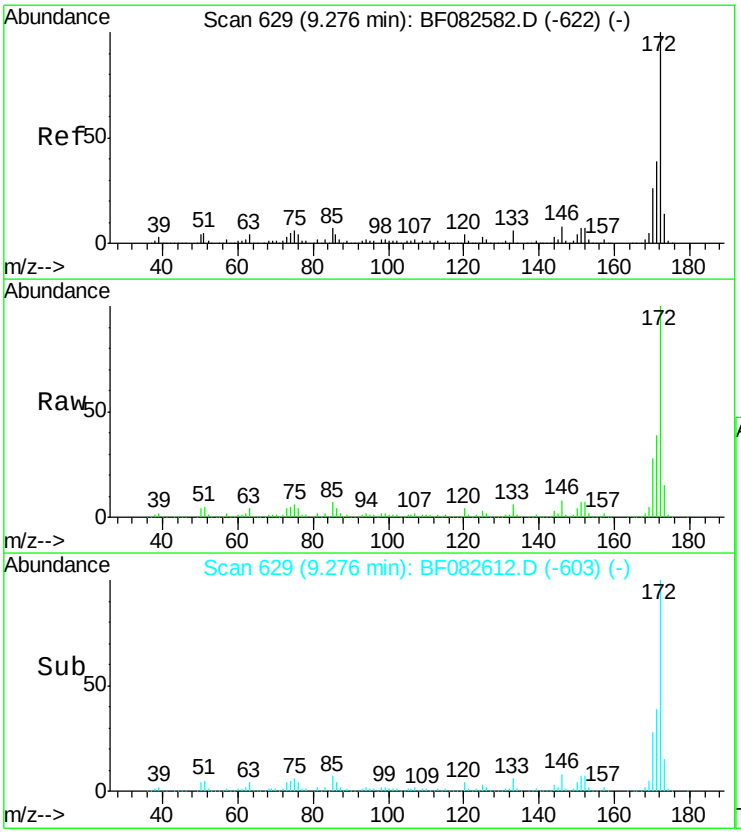
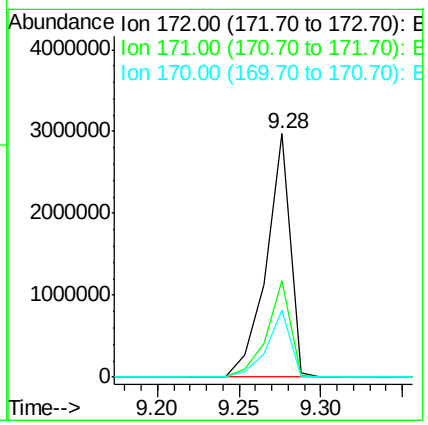
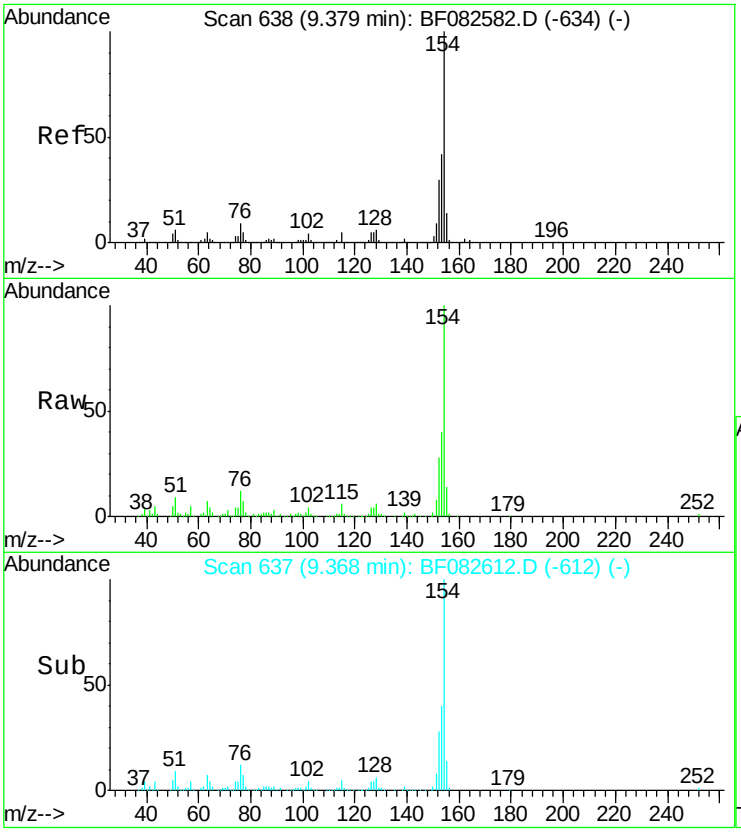


#44
2-Fluorobiphenyl
Concen: 84.56 ng
RT: 9.28 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:172 Resp: 3036848

Ion	Ratio	Lower	Upper
172	100		
171	39.4	30.8	46.2
170	27.6	21.2	31.8

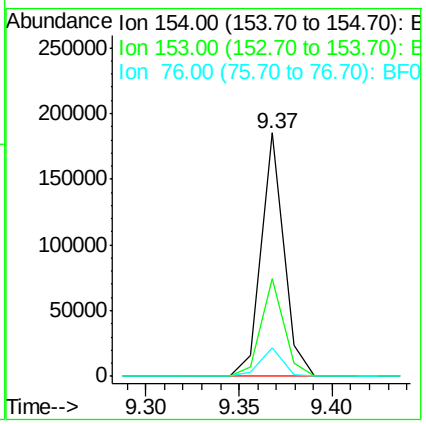




#45
1,1'-Biphenyl
Concen: 3.60 ng
RT: 9.37 min Scan# 637
Delta R.T. -0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:154 Resp: 155084

Ion	Ratio	Lower	Upper
154	100		
153	40.2	22.0	62.0
76	11.6	0.0	29.0



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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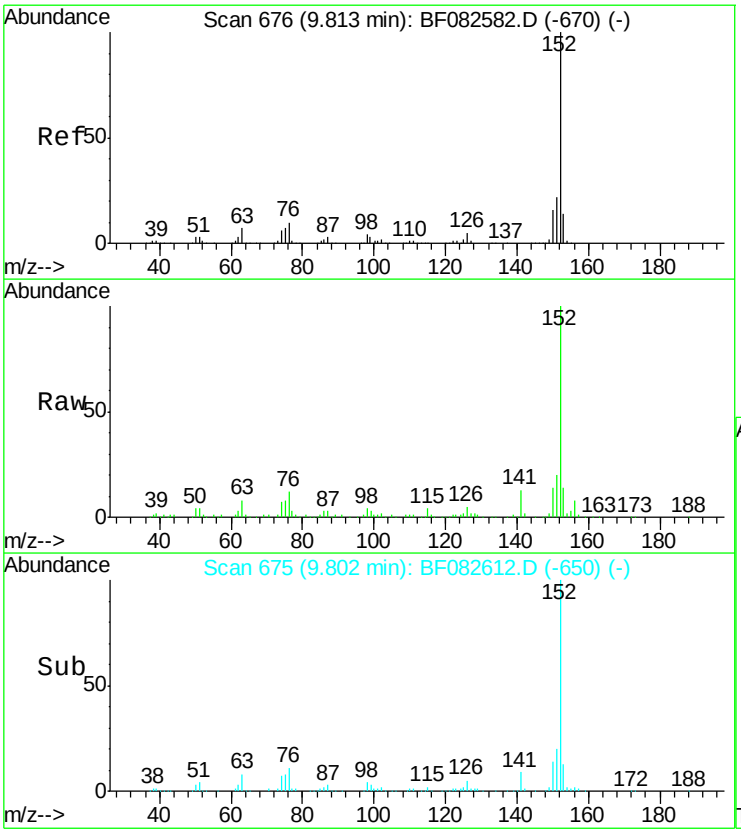
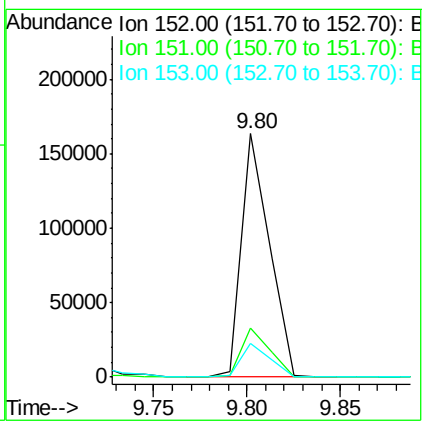
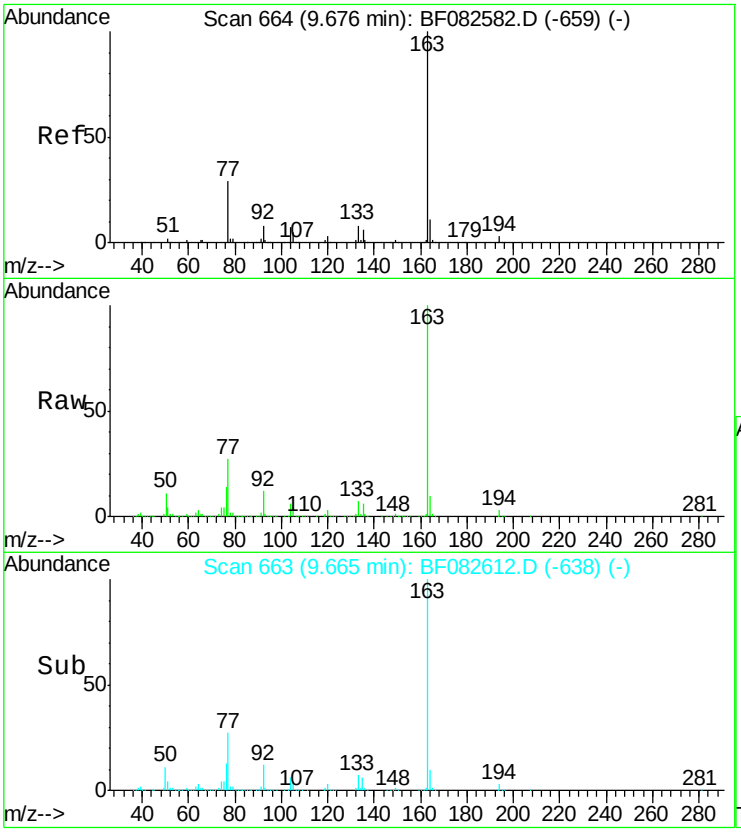


#48
Acenaphthylene
Concen: 3.17 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:152 Resp: 170785

Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.3	25.9
153	14.1	11.3	16.9

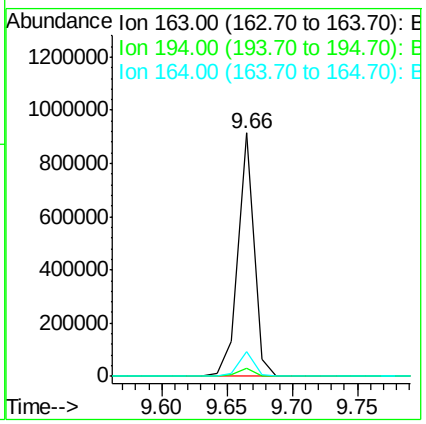




#49
Dimethylphthalate
Concen: 18.49 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:163 Resp: 769934

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.4	8.7	13.1



Instrument :
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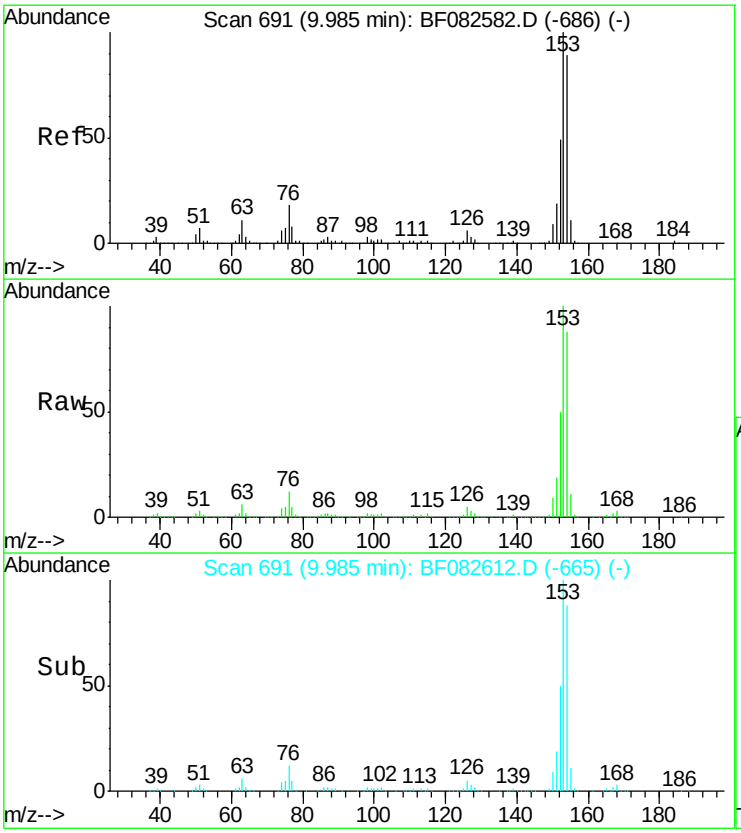
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

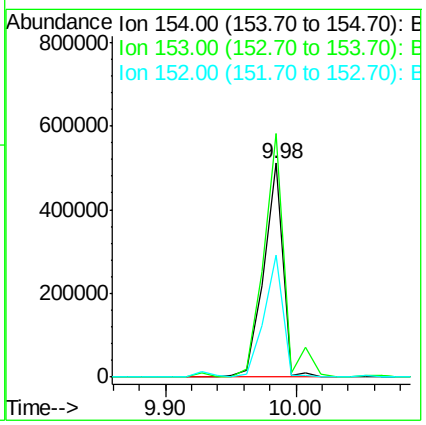
Manual Integrations APPROVED
Mmdadoda
11/2/2015 4:32:30 PM

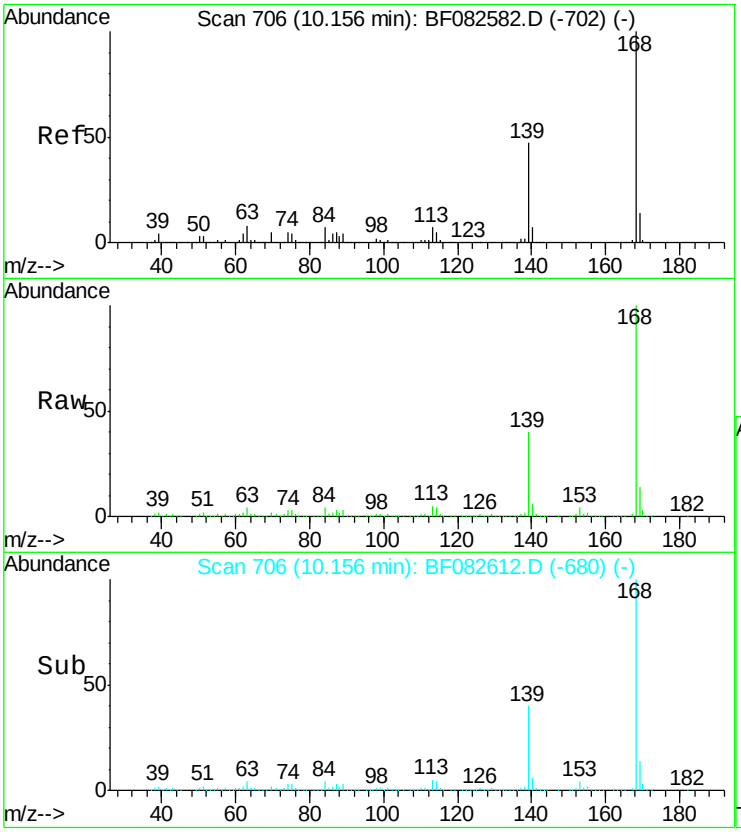


#51
Acenaphthene
Concen: 15.35 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:154 Resp: 524189

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.1	135.1
152	56.8	44.3	66.5

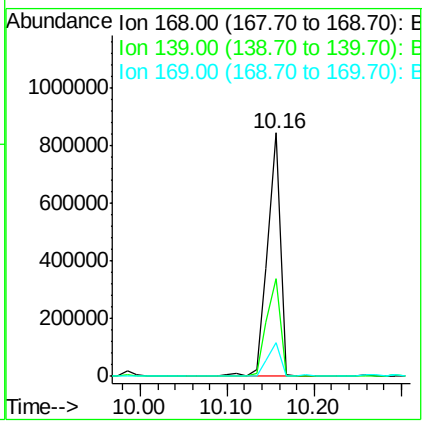




#54
Dibenzofuran
Concen: 18.76 ng
RT: 10.16 min Scan# 706
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:168 Resp: 869422

Ion	Ratio	Lower	Upper
168	100		
139	39.9	37.8	56.6
169	13.9	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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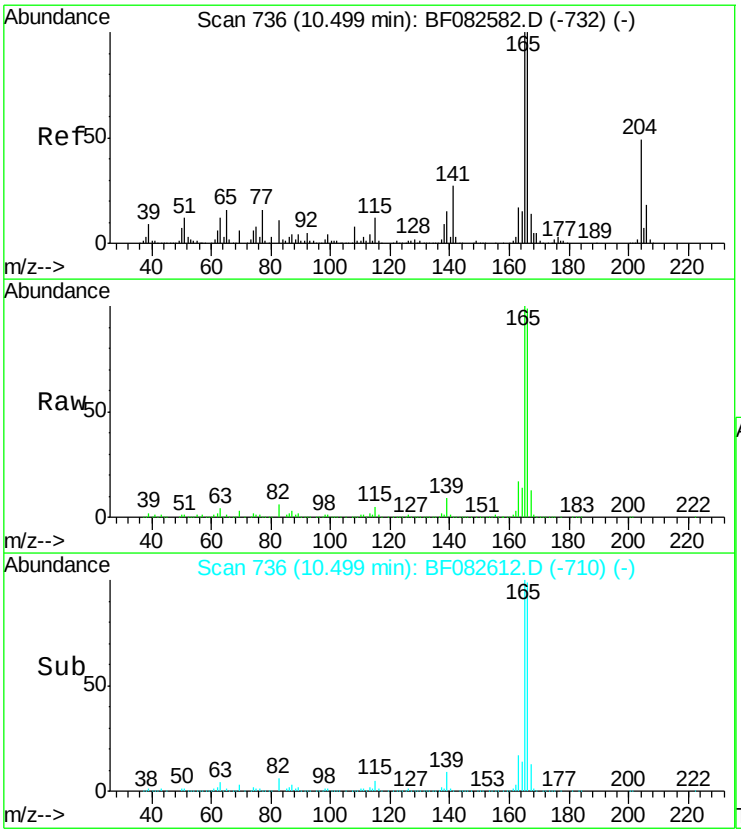
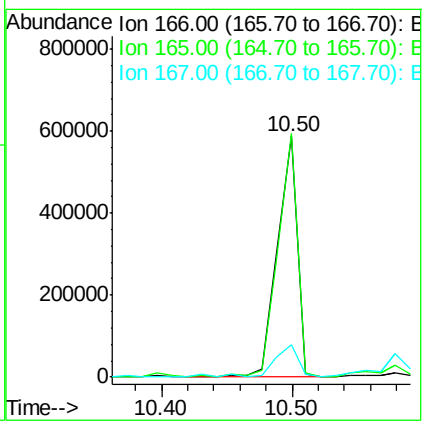
11/2/2015 4:32:30 PM

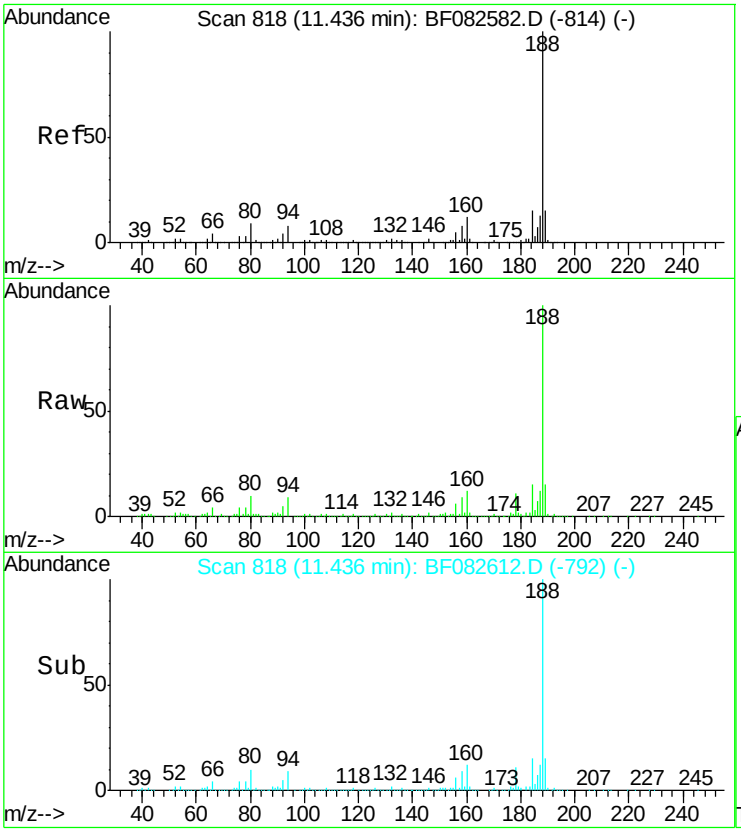


#57
Fluorene
Concen: 16.79 ng
RT: 10.50 min Scan# 736
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:166 Resp: 627785

Ion	Ratio	Lower	Upper
166	100		
165	101.0	80.2	120.4
167	13.5	11.2	16.8

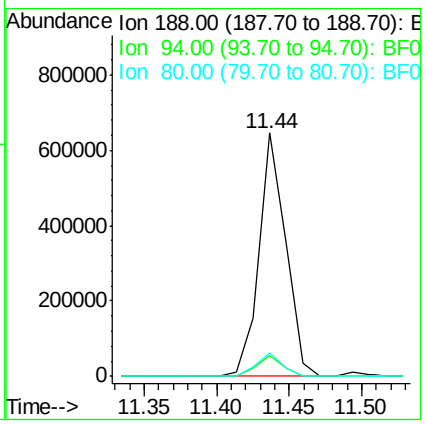




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:188 Resp: 821916

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.1	9.1
80	9.7	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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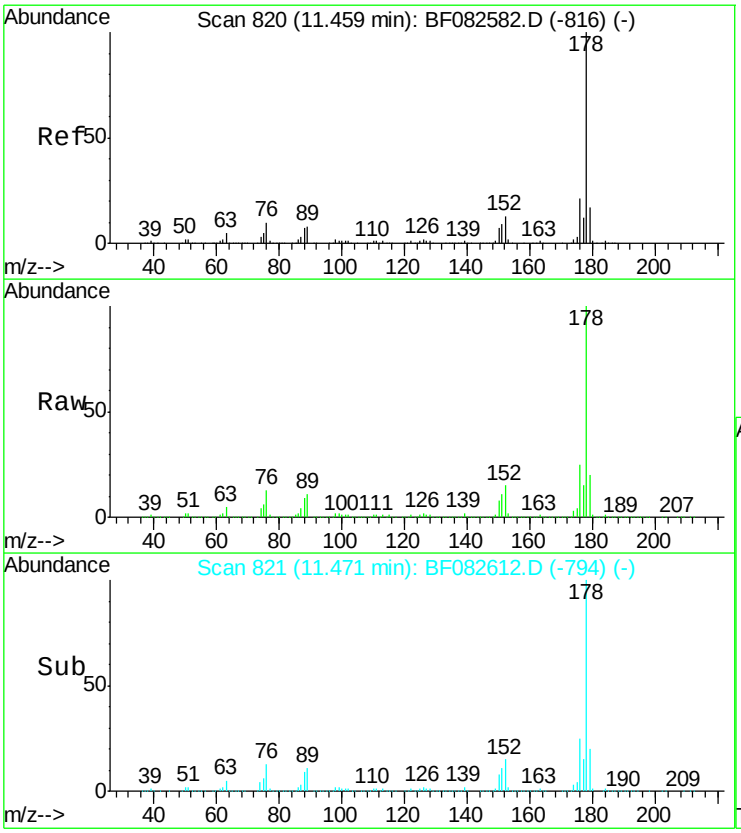
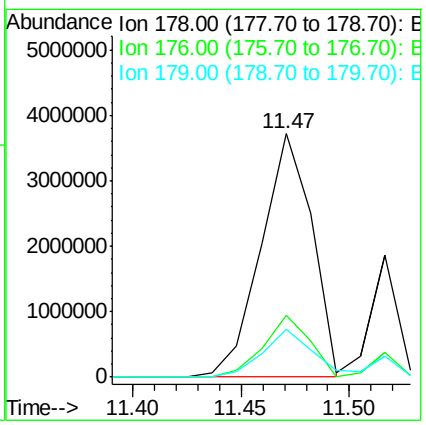
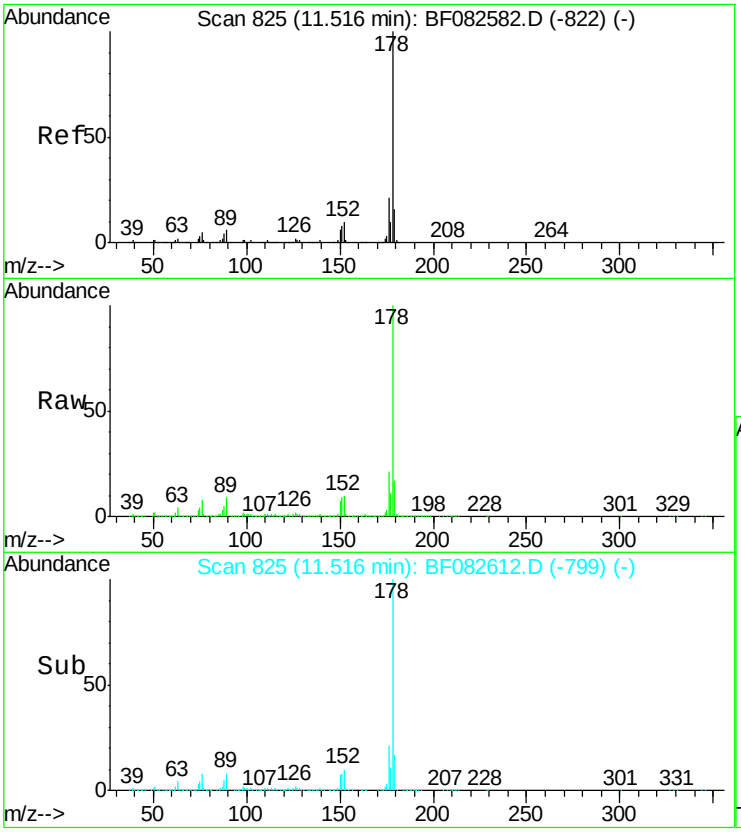


#70
Phenanthrene
Concen: 131.31 ng m
RT: 11.47 min Scan# 821
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:178 Resp: 6087168

Ion	Ratio	Lower	Upper
178	100		
176	25.3	17.0	25.4
179	19.6	13.4	20.0

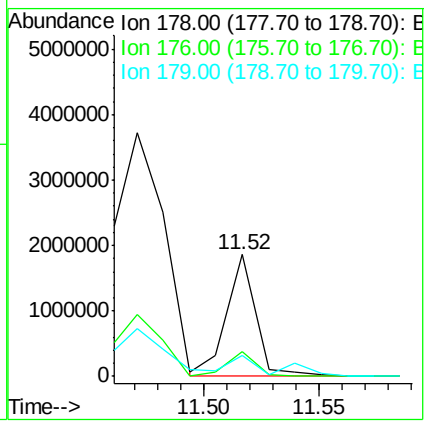




#71
Anthracene
Concen: 34.46 ng m
RT: 11.52 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:178 Resp: 1608516

Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.5	24.7
179	16.9	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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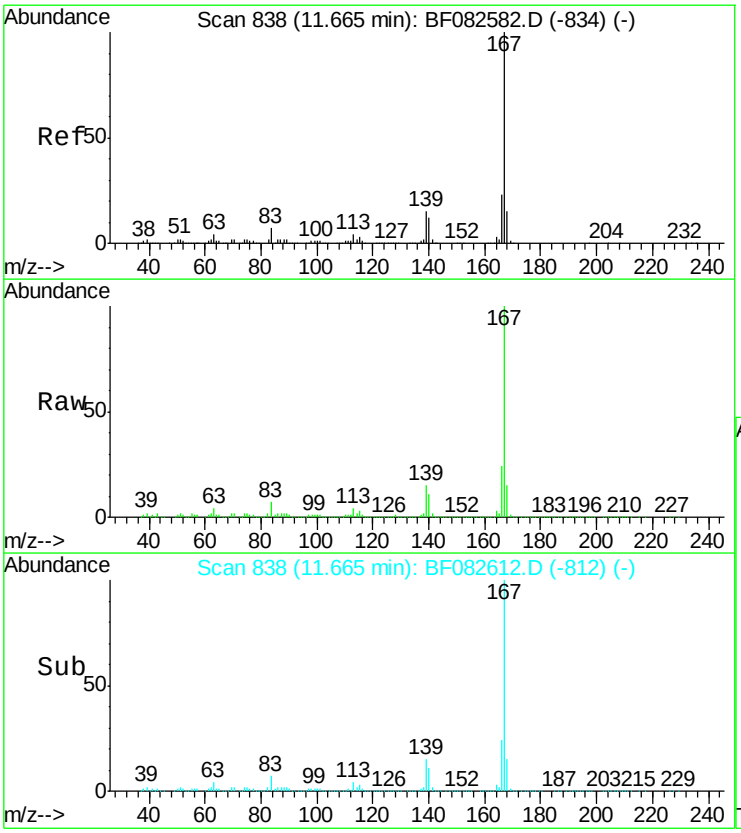
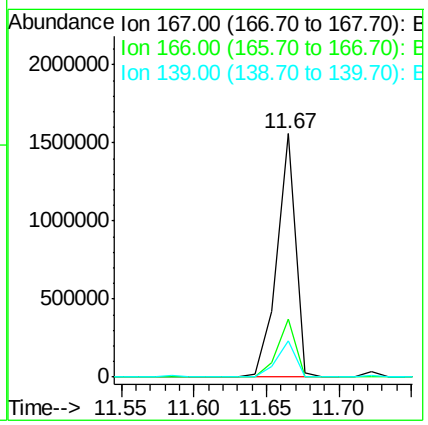
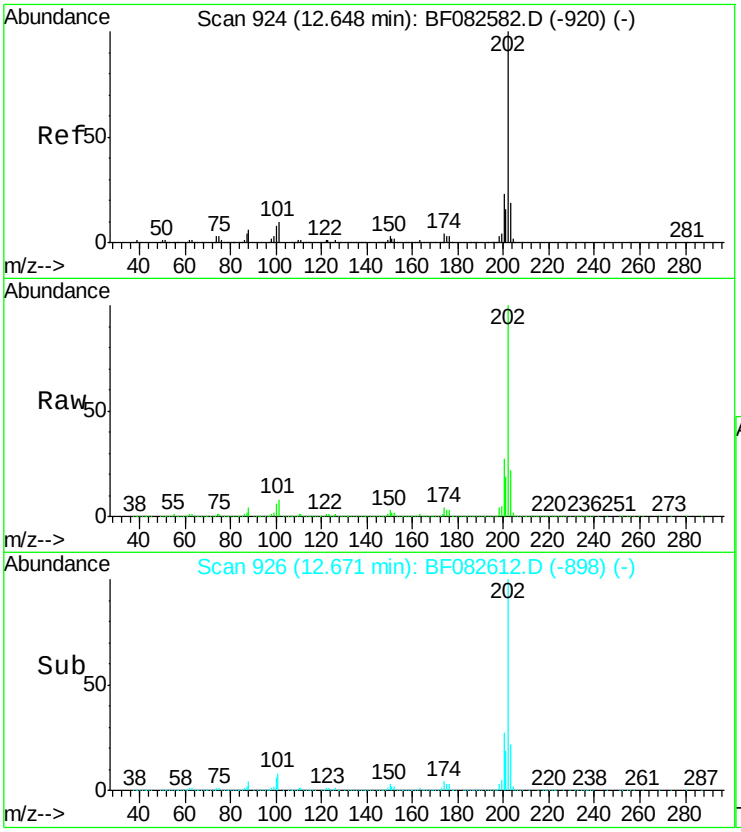


#72
Carbazole
Concen: 34.13 ng
RT: 11.67 min Scan# 838
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:167 Resp: 1387597

Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.7	28.1
139	14.7	11.8	17.6

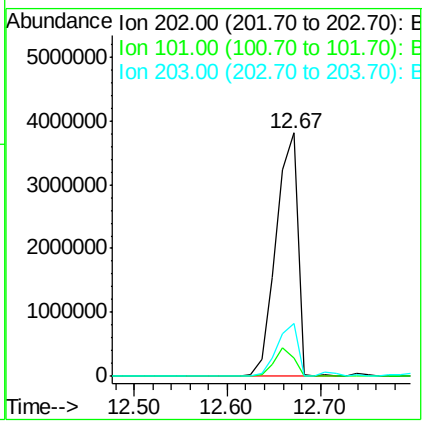




#74
Fluoranthene
Concen: 129.73 ng
RT: 12.67 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:202 Resp: 6147926

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	30.5
203	21.6	0.0	38.5



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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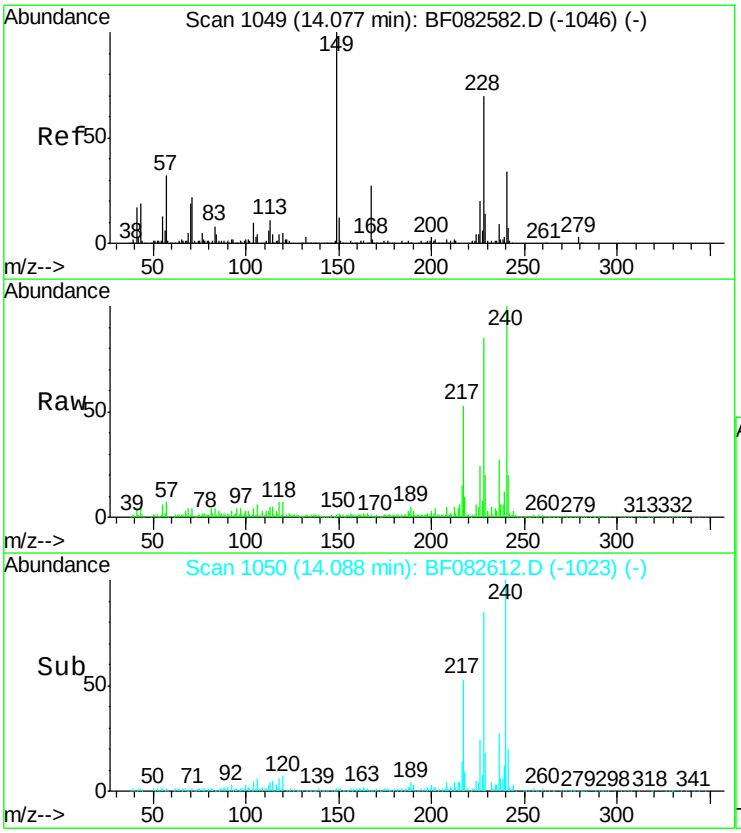
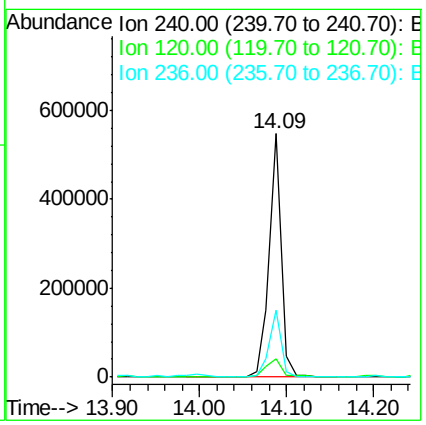
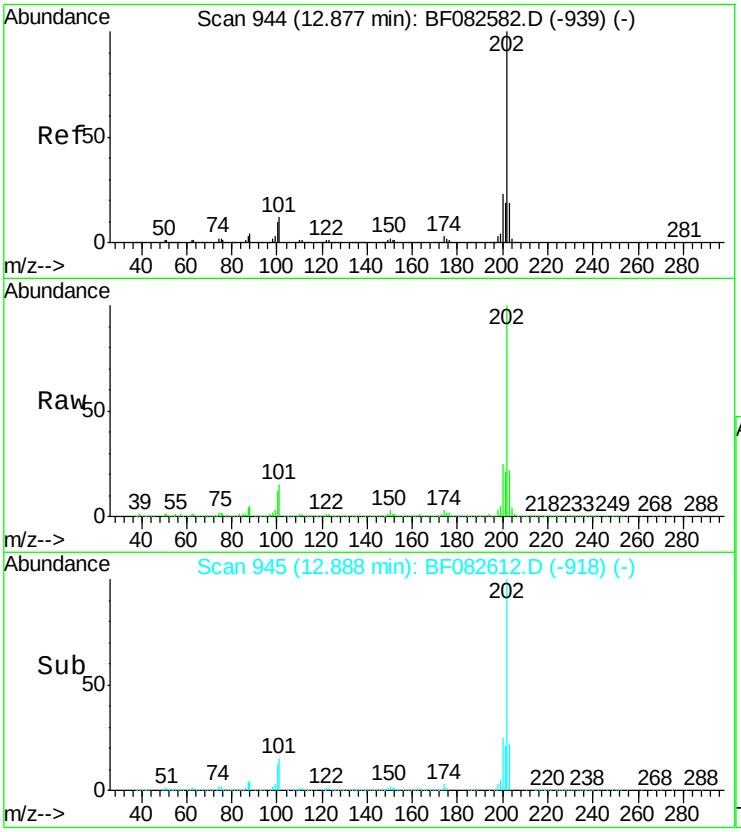


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:240 Resp: 528345

Ion	Ratio	Lower	Upper
240	100		
120	7.4	10.9	16.3#
236	27.4	21.6	32.4

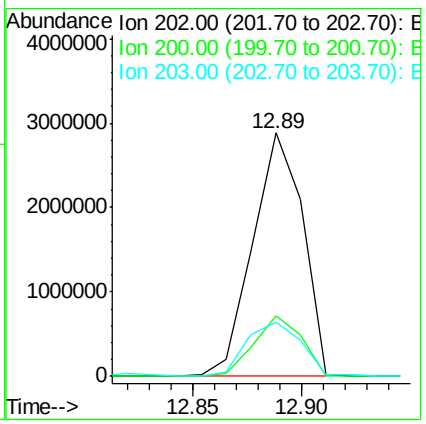




#77
Pyrene
Concen: 117.04 ng m
RT: 12.89 min Scan# 945
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:202 Resp: 4579183

Ion	Ratio	Lower	Upper
202	100		
200	25.1	18.7	28.1
203	22.5	14.8	22.2#



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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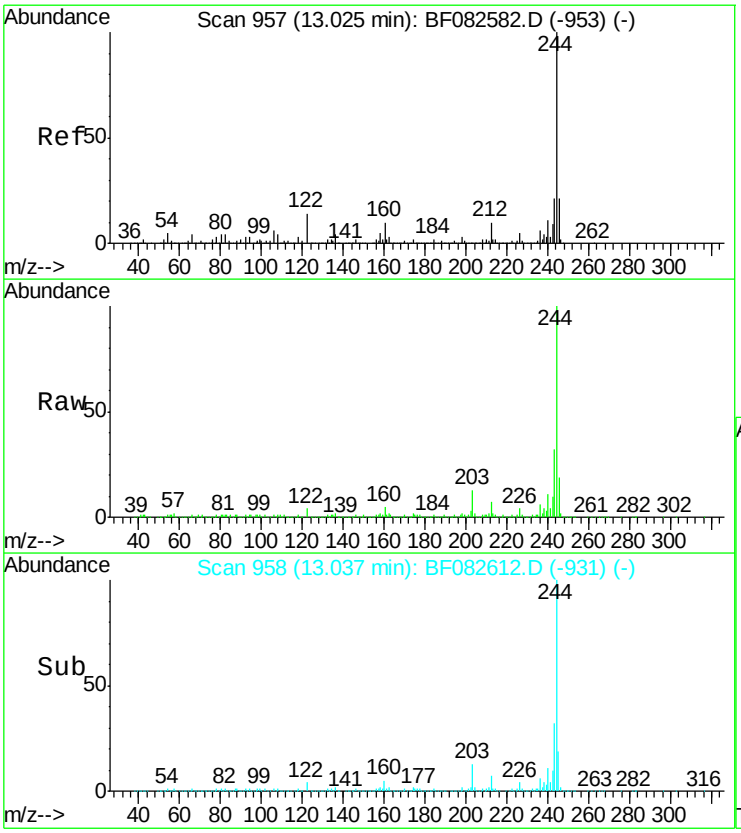
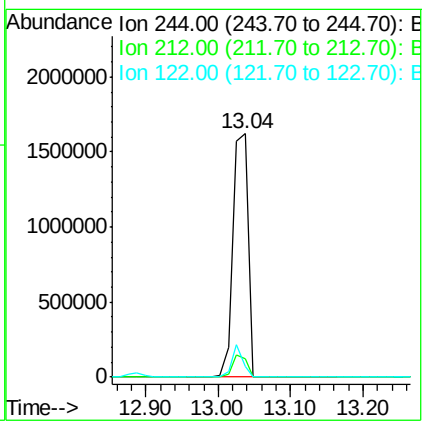
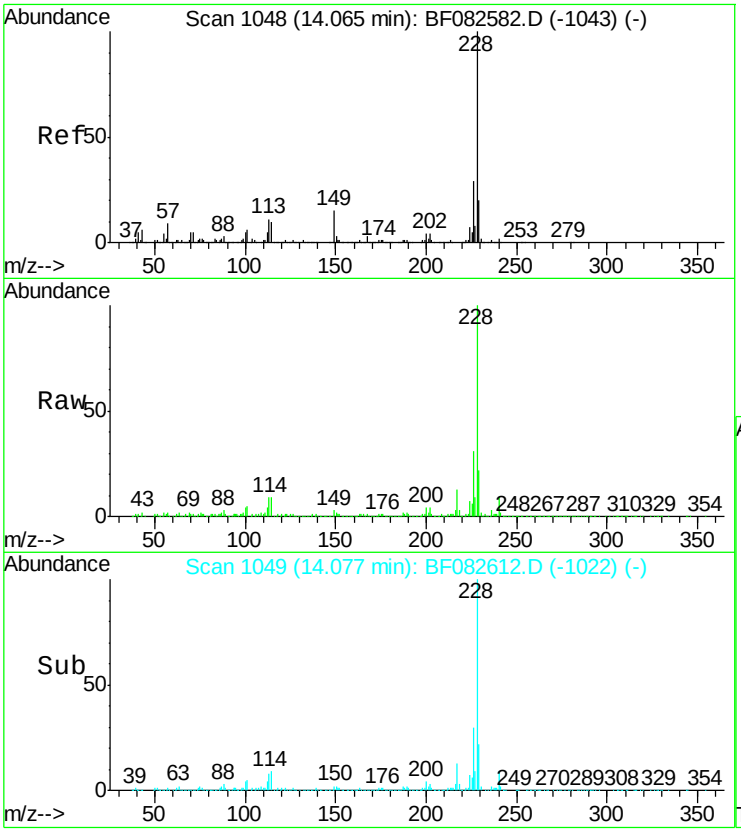


#78
Terphenyl-d14
Concen: 97.18 ng
RT: 13.04 min Scan# 958
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:244 Resp: 2346110

Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.6	11.4#
122	4.4	11.3	16.9#

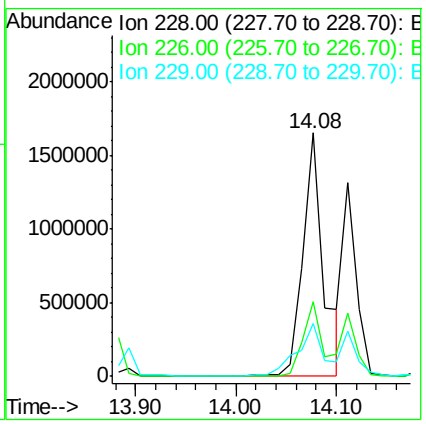




#80
Benzo(a)anthracene
Concen: 69.76 ng
RT: 14.08 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:228 Resp: 2341431

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	21.9	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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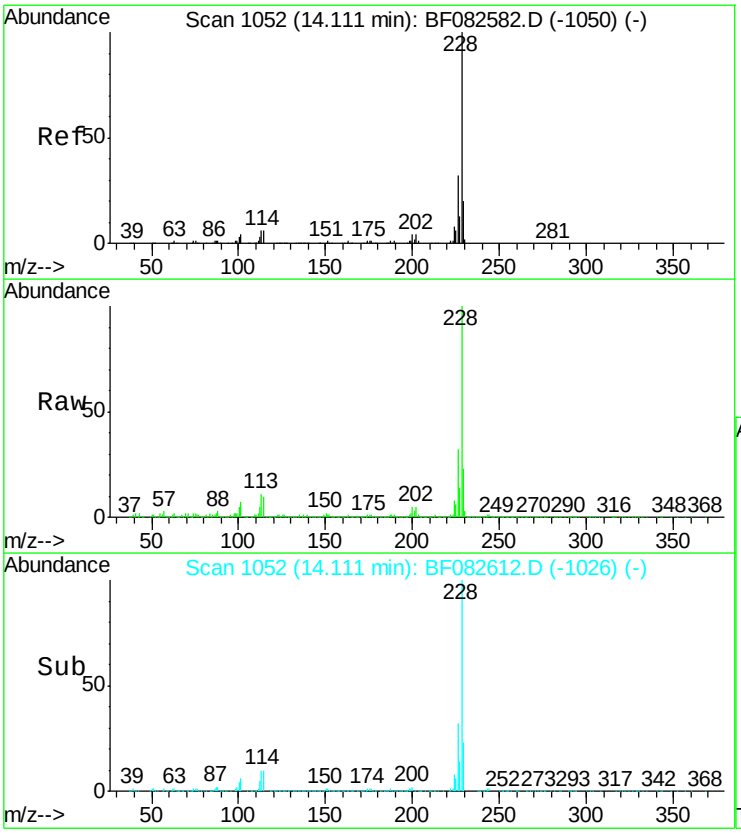
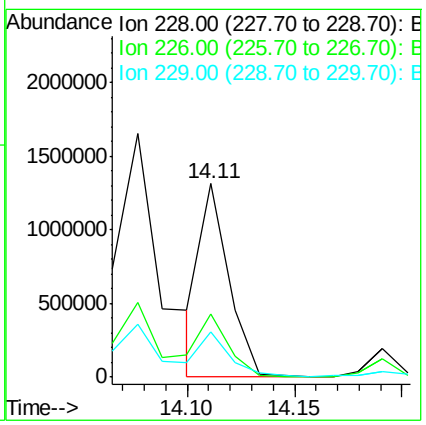
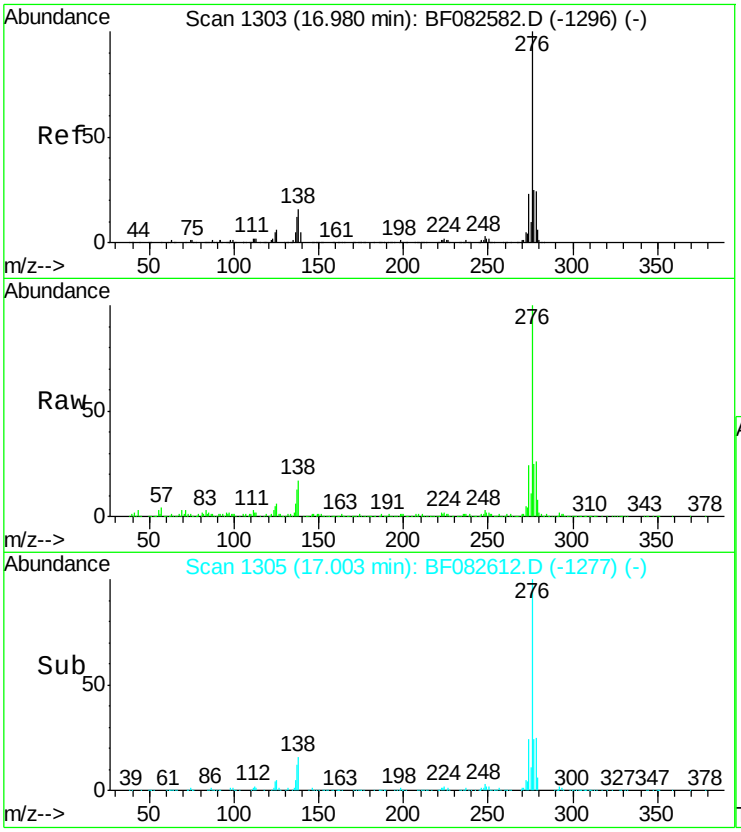


#82
Chrysene
Concen: 40.77 ng m
RT: 14.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:228 Resp: 1240287

Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.5	38.3
229	23.4	16.3	24.5

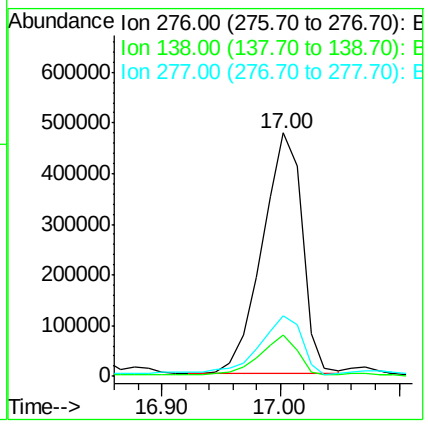




#85
Indeno(1,2,3-cd)pyrene
Concen: 44.46 ng
RT: 17.00 min Scan# 1305
Delta R.T. 0.02 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:276 Resp: 1116192

Ion	Ratio	Lower	Upper
276	100		
138	15.7	15.3	22.9
277	27.3	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

Manual Integrations APPROVED
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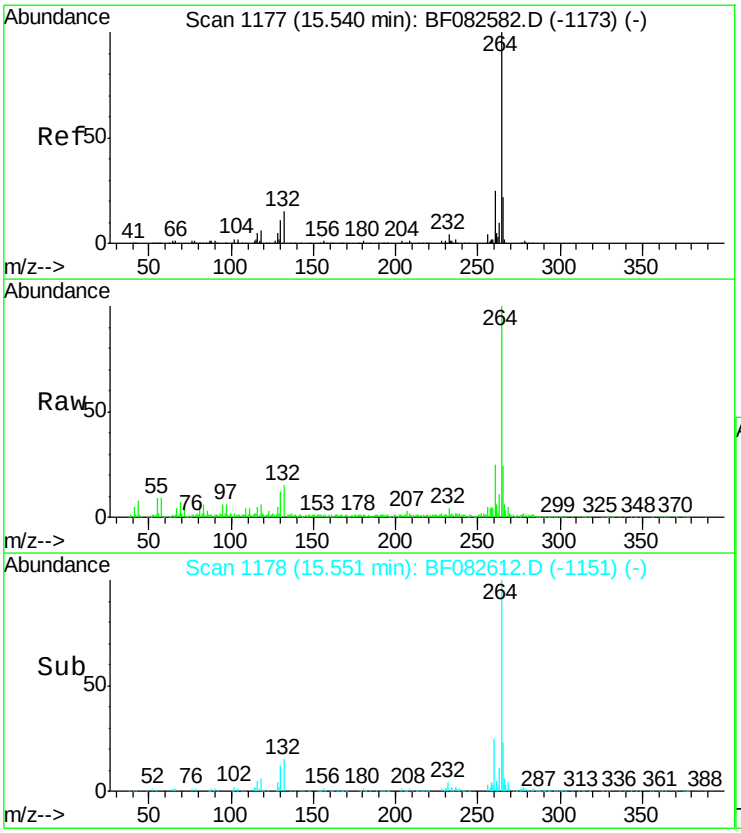
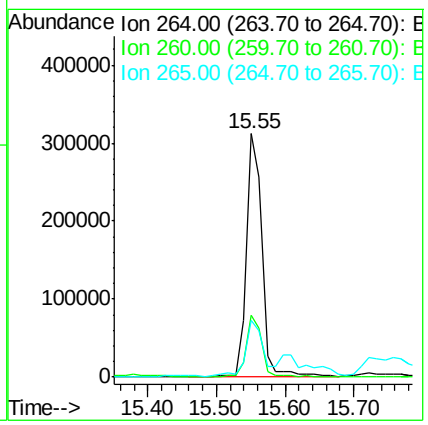
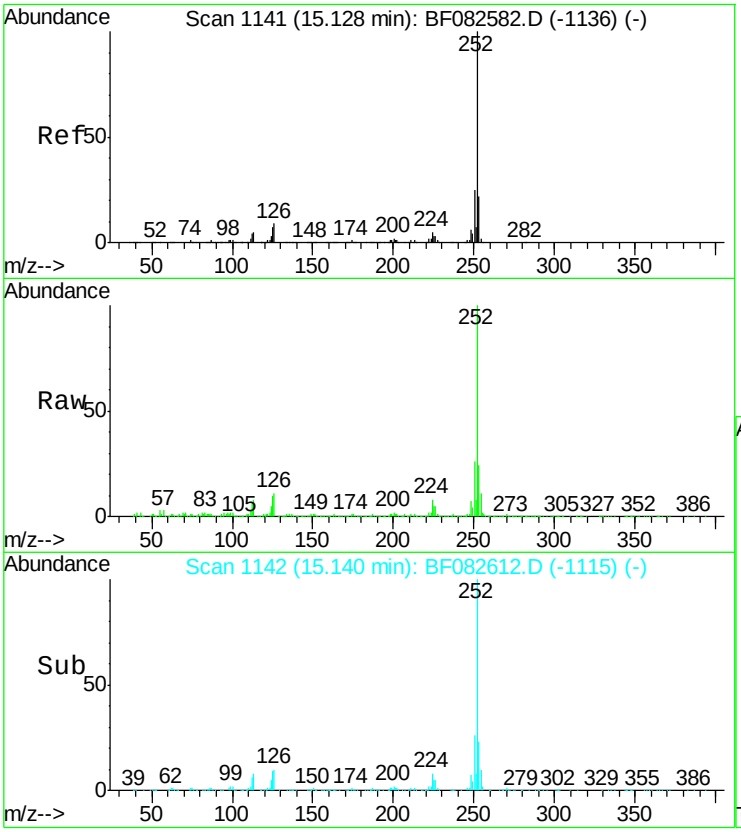


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:264 Resp: 482201

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.8	29.6
265	23.6	17.4	26.0

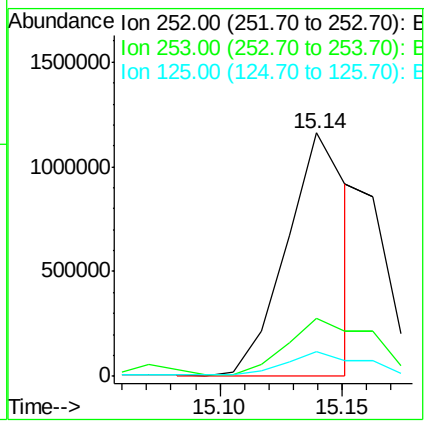




#87
Benzo(b)fluoranthene
Concen: 61.64 ng m
RT: 15.14 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:252 Resp: 2049515

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	10.1	5.4	8.2#



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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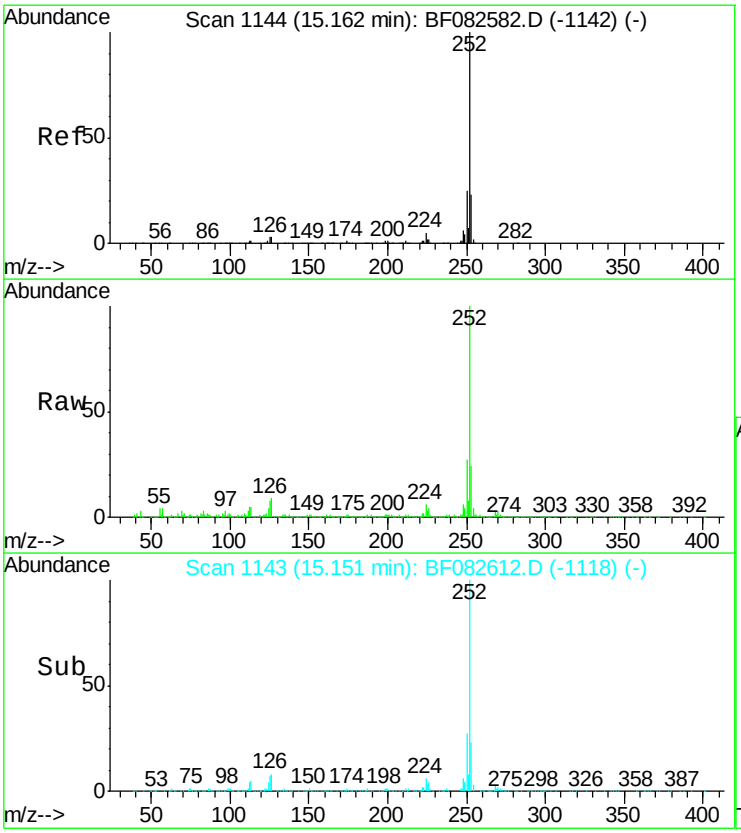
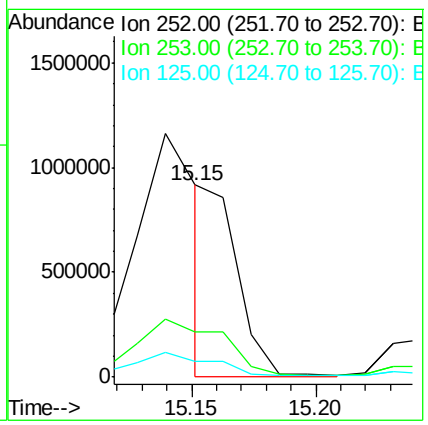
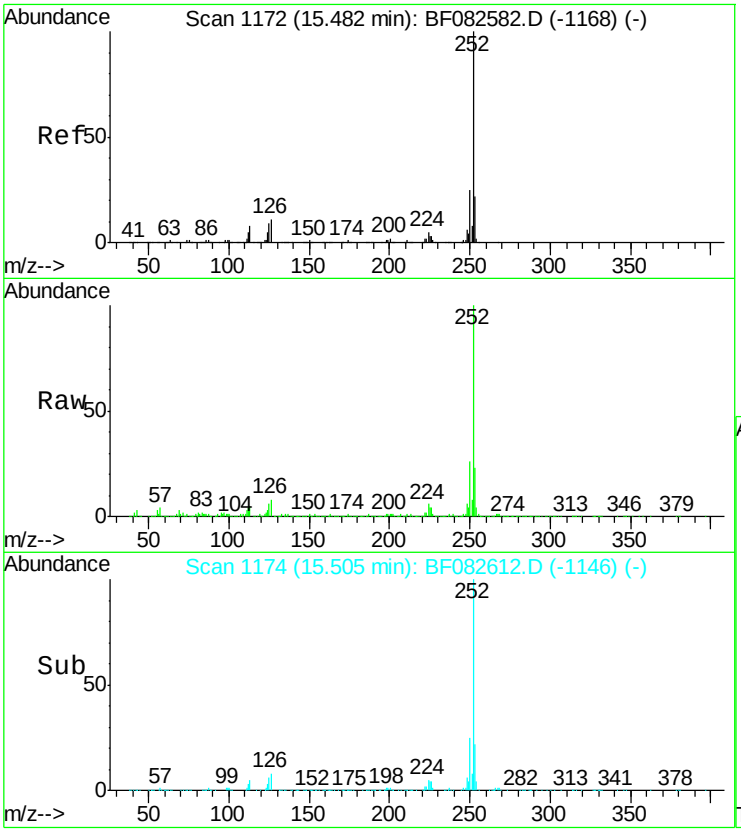


#88
Benzo(k)fluoranthene
Concen: 29.78 ng m
RT: 15.15 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:252 Resp: 754375

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.2	3.5	5.3#





#89
Benzo(a)pyrene
Concen: 54.05 ng m
RT: 15.51 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:252 Resp: 1415329

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	6.5	7.1	10.7#

Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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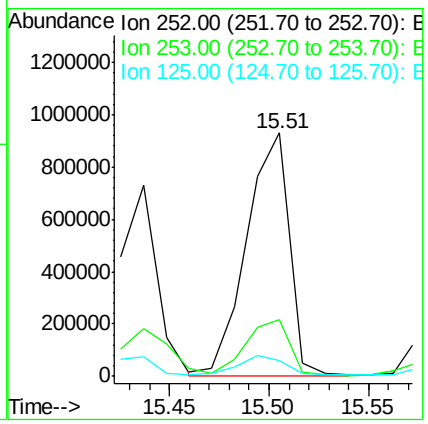
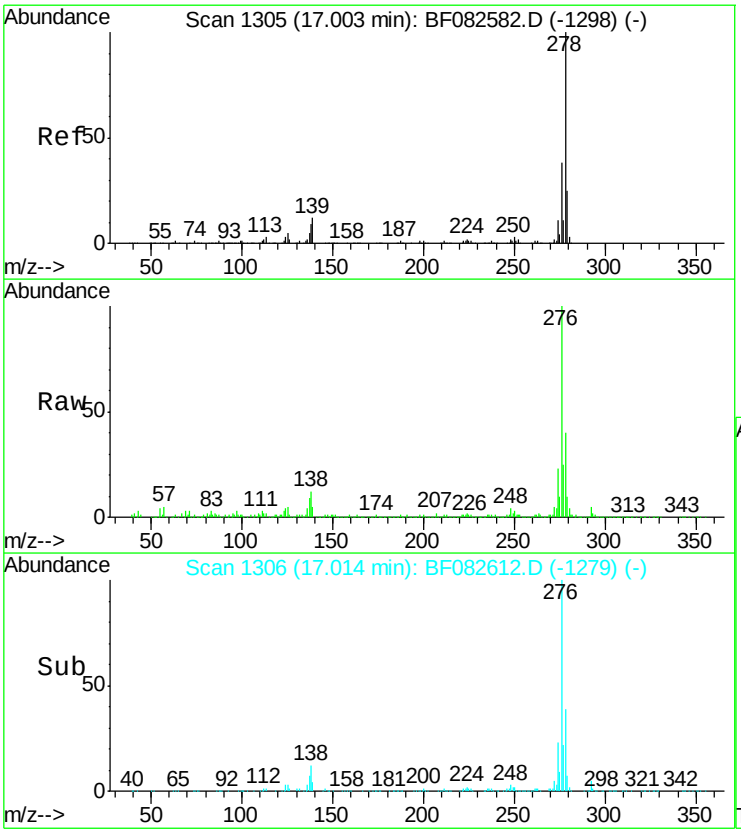
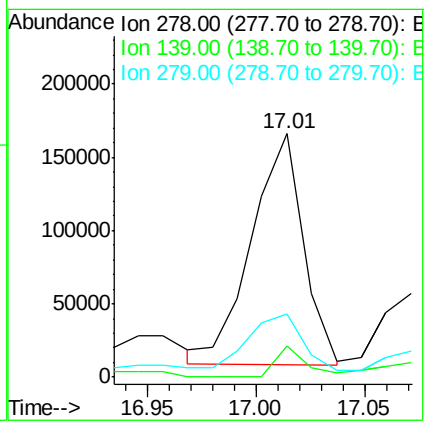


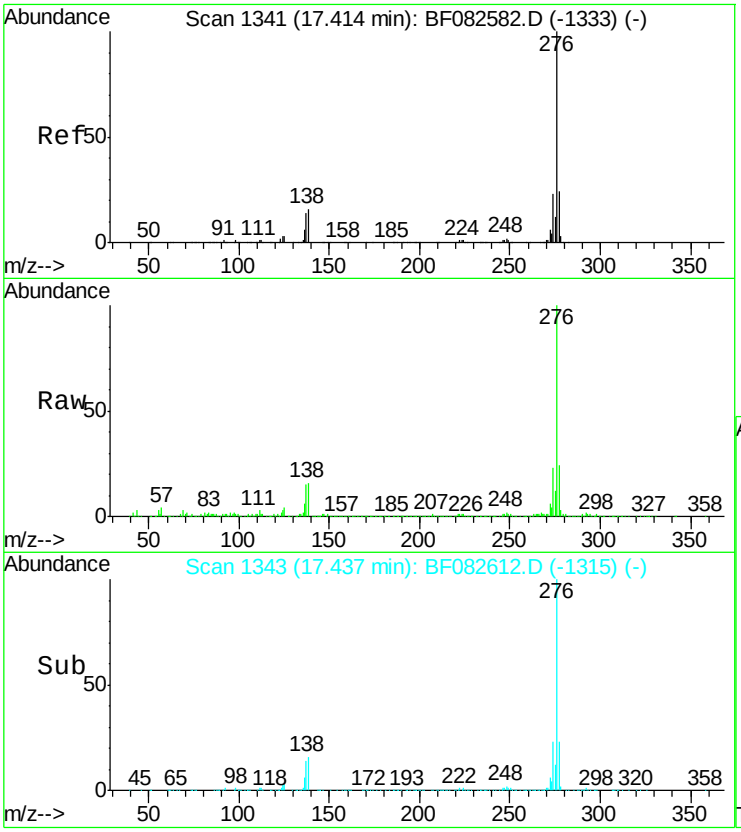


#90
Dibenzo(a,h)anthracene
Concen: 10.62 ng m
RT: 17.01 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:278 Resp: 259485

Ion	Ratio	Lower	Upper
278	100		
139	12.5	9.9	14.9
279	26.0	19.6	29.4

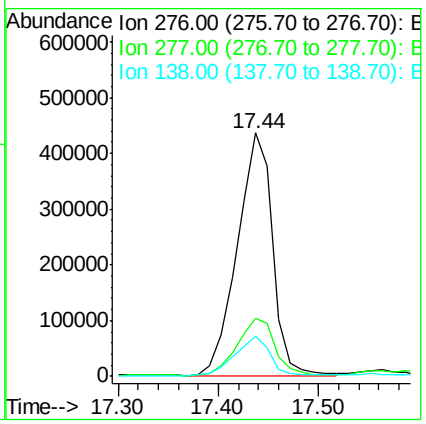




#91
Benzo(g,h,i)perylene
Concen: 44.55 ng
RT: 17.44 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF082612.D
Acq: 31 Oct 2015 10:44

Tgt Ion:276 Resp: 1054805

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	16.3	13.1	19.7



Instrument :
BNA_F
ClientSampleId :
S6-BOILERROOM2.5FTDEEP

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