Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082566.D
Acq On : 28 Oct 2015 00:50
Operator : UM/IZ
Sample : G4178-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S1-BOILERROOM2.5FTDEEP

Quant Time: Oct 28 14:47:51 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	86205	20.00	ng		-0.02
21) Naphthalene-d8	8.00	136	316570	20.00	ng		-0.02
38) Acenaphthene-d10	9.75	164	153315	20.00	ng		-0.02
63) Phenanthrene-d10	11.25	188	266570	20.00	ng		-0.01
75) Chrysene-d12	13.89	240	166776	20.00	ng		-0.02
86) Perylene-d12	15.33	264	187614	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	692355	158.55	ng		0.01
7) Phenol-d6	6.38	99	813500	142.93	ng		0.00
23) Nitrobenzene-d5	7.29	82	569694	116.10	ng		-0.01
41) 2,4,6-Tribromophenol	10.55	330	161047	140.28	ng		-0.02
44) 2-Fluorobiphenyl	9.07	172	992433	102.93	ng		-0.02
78) Terphenyl-d14	12.82	244	739655	127.77	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.02	128	1711724	118.32	ng		97
37) 2-Methylnaphthalene	8.71	142	317765	32.51	ng		98
45) 1,1'-Biphenyl	9.18	154	114620	10.05	ng		98
48) Acenaphthylene	9.61	152	146448	10.17	ng		97
49) Dimethylphthalate	9.49	163	269461	25.26	ng		98
51) Acenaphthene	9.78	154	347122	42.02	ng		99
54) Dibenzofuran	9.97	168	508124	42.16	ng	#	89
57) Fluorene	10.30	166	507317	51.27	ng		100
70) Phenanthrene	11.28	178	3065065	223.42	ng		95
71) Anthracene	11.33	178	1188460	86.02	ng		98
72) Carbazole	11.49	167	485451	39.85	ng		99
74) Fluoranthene	12.47	202	2725903	193.57	ng		97
77) Pyrene	12.70	202	2266916	220.99	ng		97
80) Benzo(a)anthracene	13.89	228	1093057	122.25	ng		96
82) Chrysene	13.92	228	875375m	103.64	ng		
83) Bis(2-ethylhexyl)phthalate	13.86	149	14810	2.56	ng		99
85) Indeno(1,2,3-cd)pyrene	16.69	276	563633	72.64	ng		94
87) Benzo(b)fluoranthene	14.94	252	1262501m	113.31	ng		
88) Benzo(k)fluoranthene	14.95	252	254860m	28.06	ng		
89) Benzo(a)pyrene	15.27	252	847953	87.85	ng	#	93
90) Dibenzo(a,h)anthracene	16.69	278	139829m	17.31	ng		
91) Benzo(g,h,i)perylene	17.10	276	508274	63.61	ng		95

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

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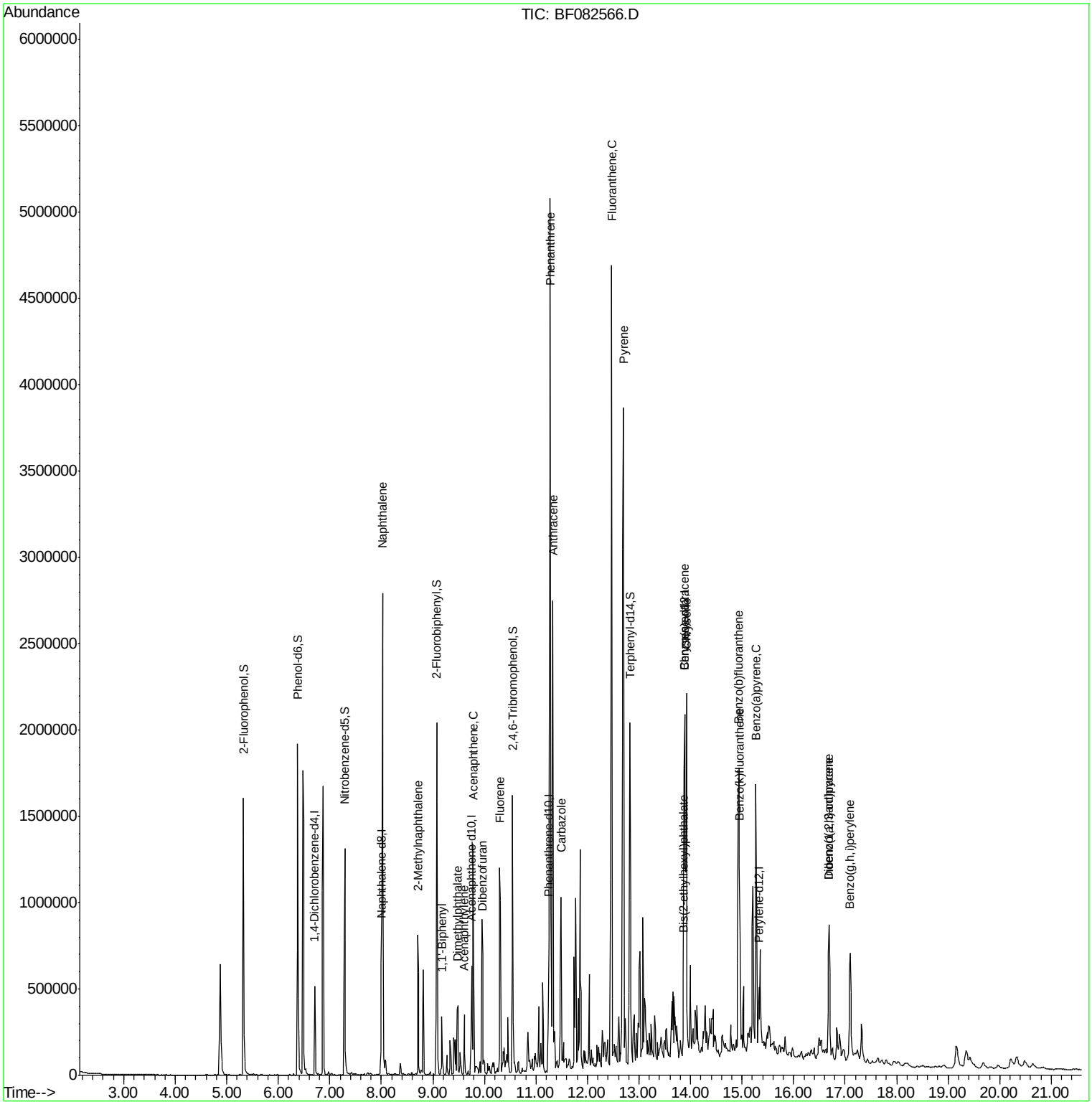
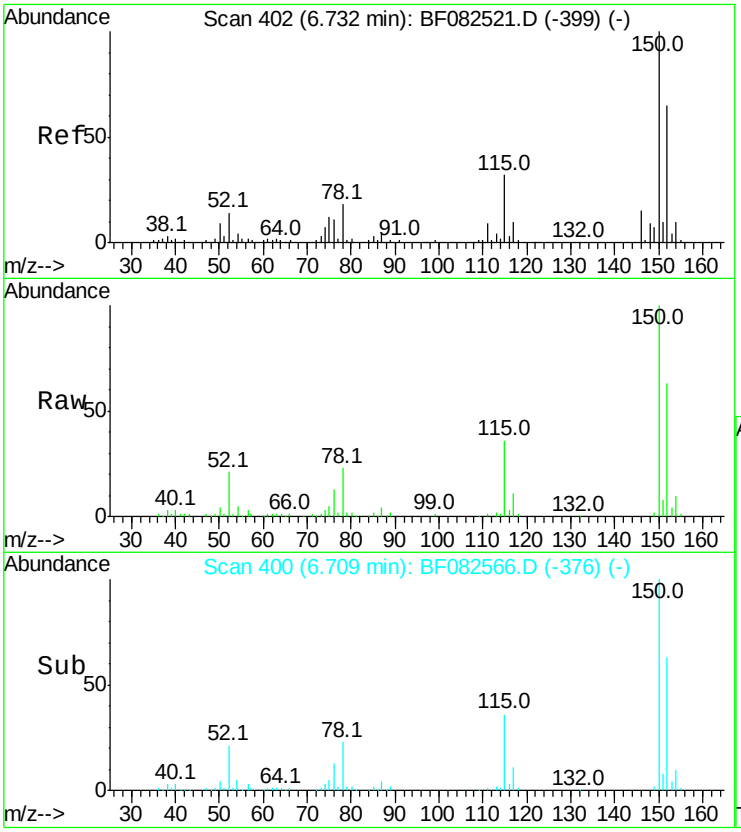


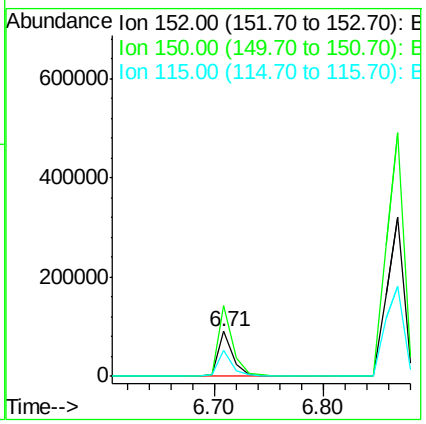


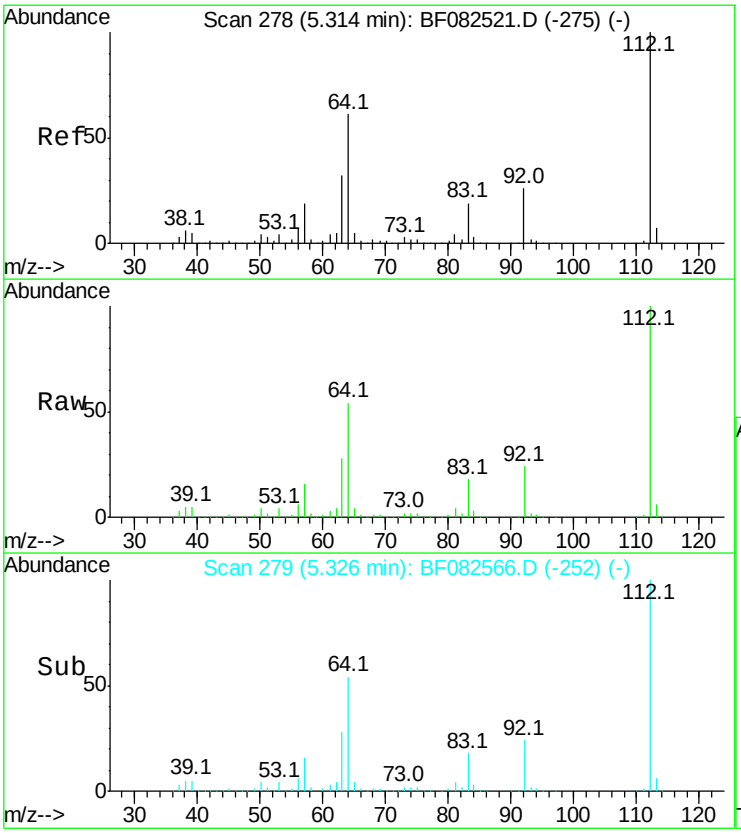
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:152 Resp: 86205

Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.4	185.0
115	57.2	39.0	58.4

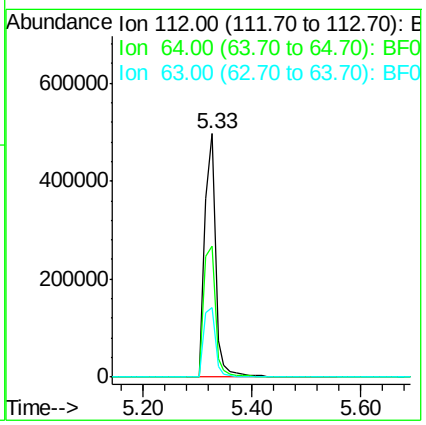


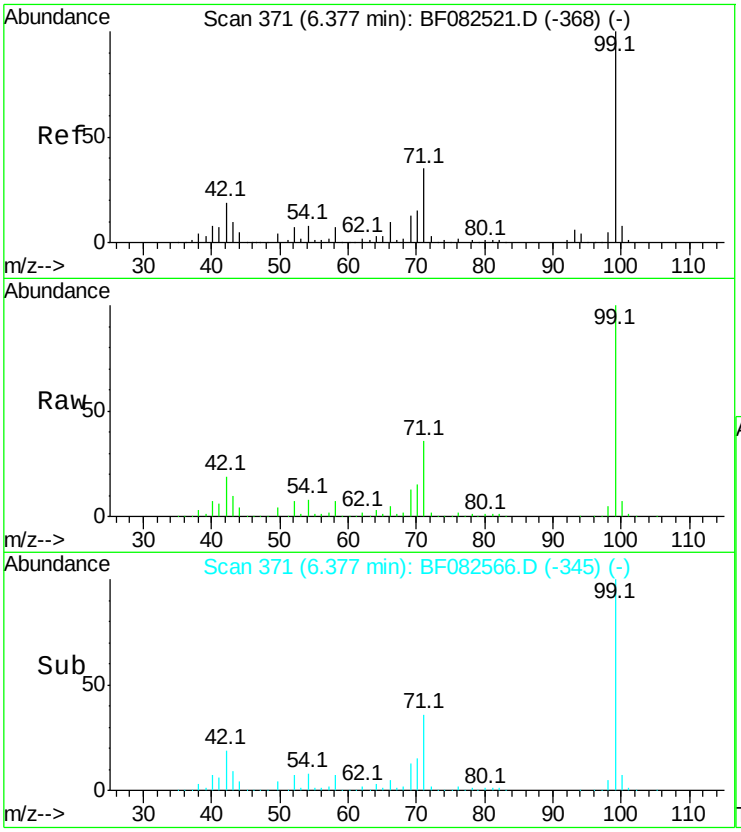


#5
2-Fluorophenol
Concen: 158.55 ng
RT: 5.33 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:112 Resp: 692355

Ion	Ratio	Lower	Upper
112	100		
64	53.7	49.0	73.4
63	28.3	25.8	38.6



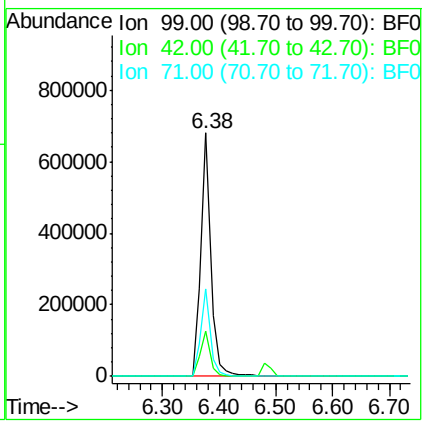


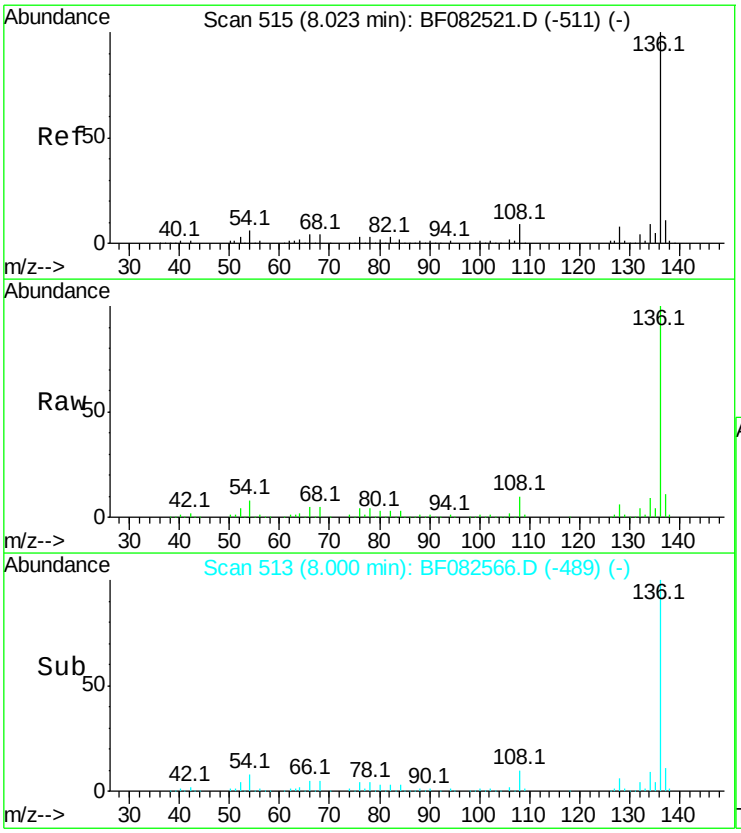
#7
Phenol-d6
Concen: 142.93 ng
RT: 6.38 min Scan# 371
Delta R.T. -0.00 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion: 99 Resp: 813500

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.1	22.7
71	35.7	28.2	42.2

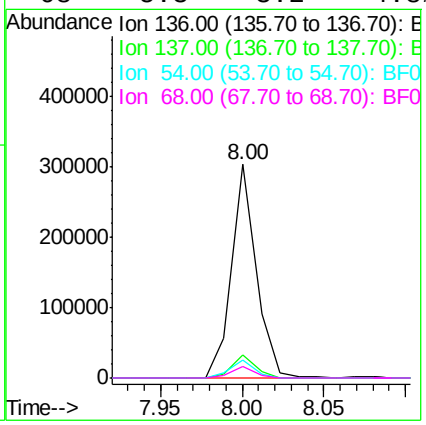


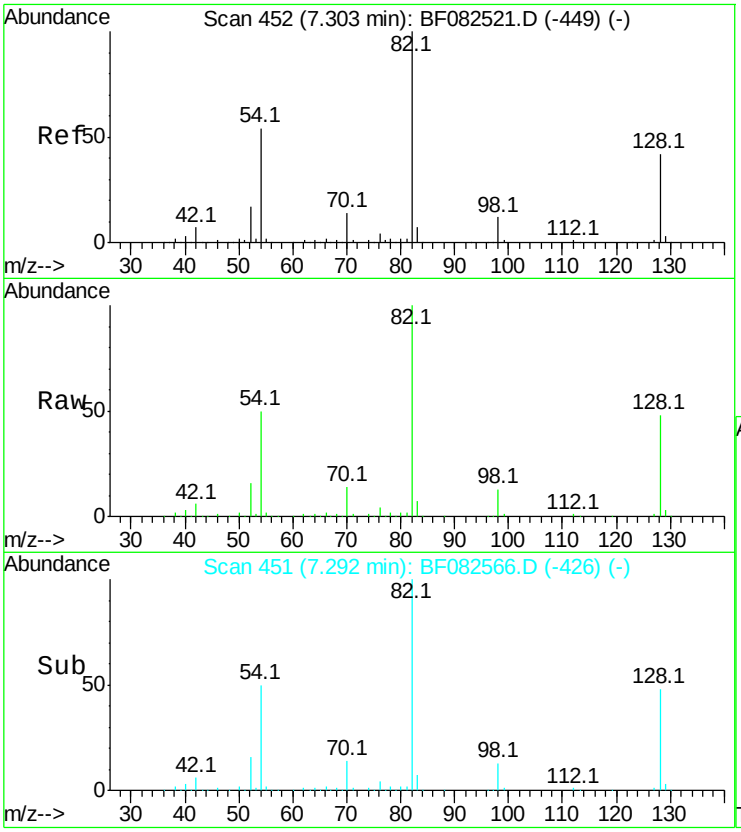


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:136 Resp: 316570

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.3	4.6	7.0#
68	5.3	3.2	4.8#



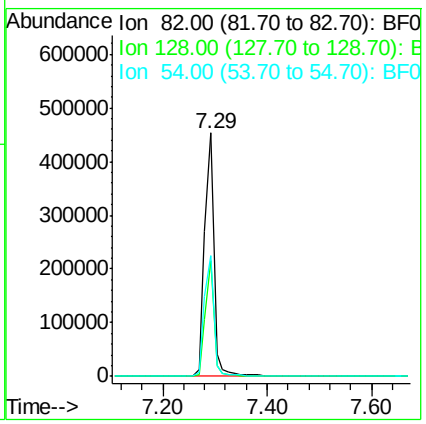


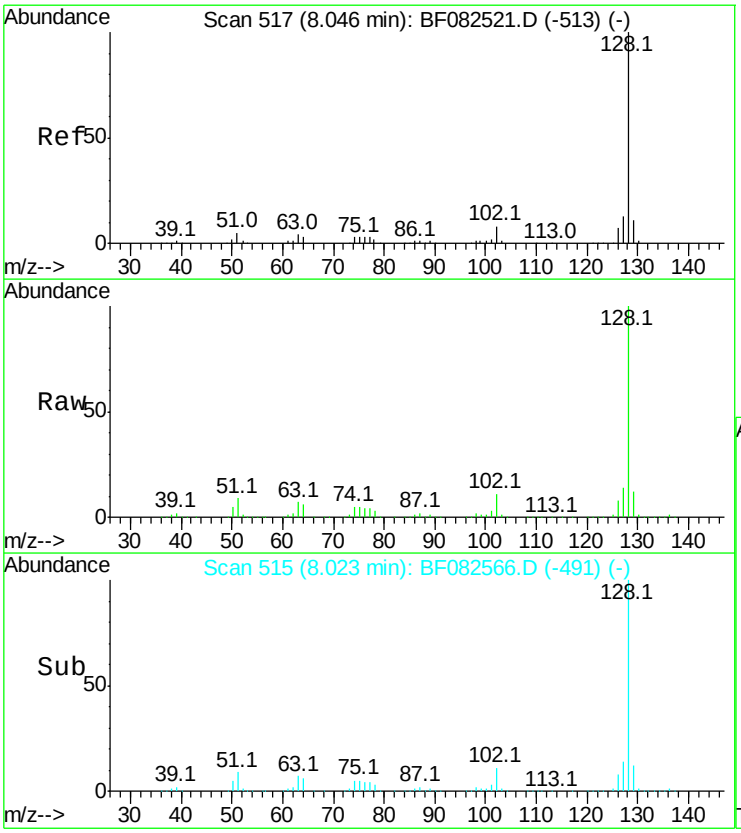
#23
Nitrobenzene-d5
Concen: 116.10 ng
RT: 7.29 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion: 82 Resp: 569694

Ion	Ratio	Lower	Upper
82	100		
128	47.6	33.4	50.0
54	49.6	43.5	65.3

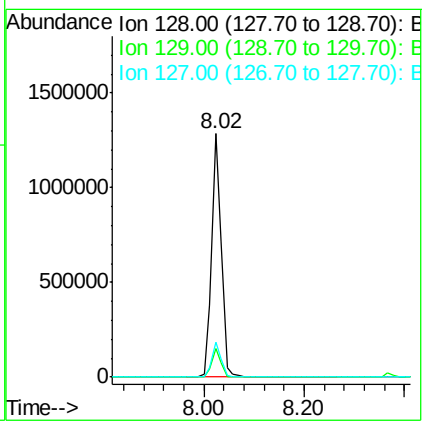


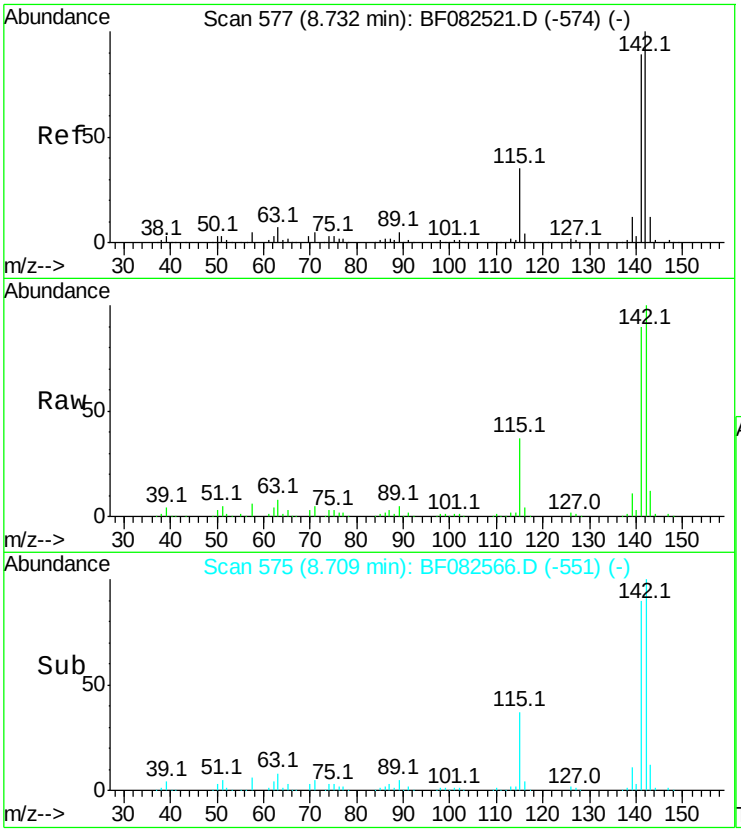


#31
Naphthalene
Concen: 118.32 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:128 Resp: 1711724

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.6	12.8
127	14.3	10.7	16.1



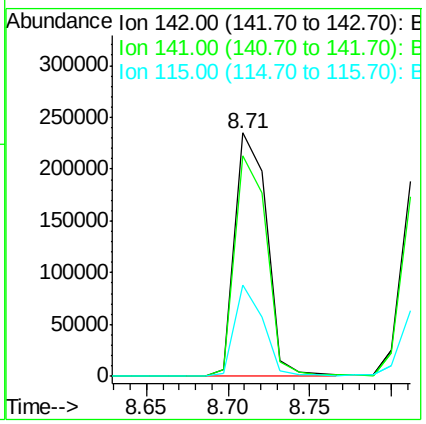


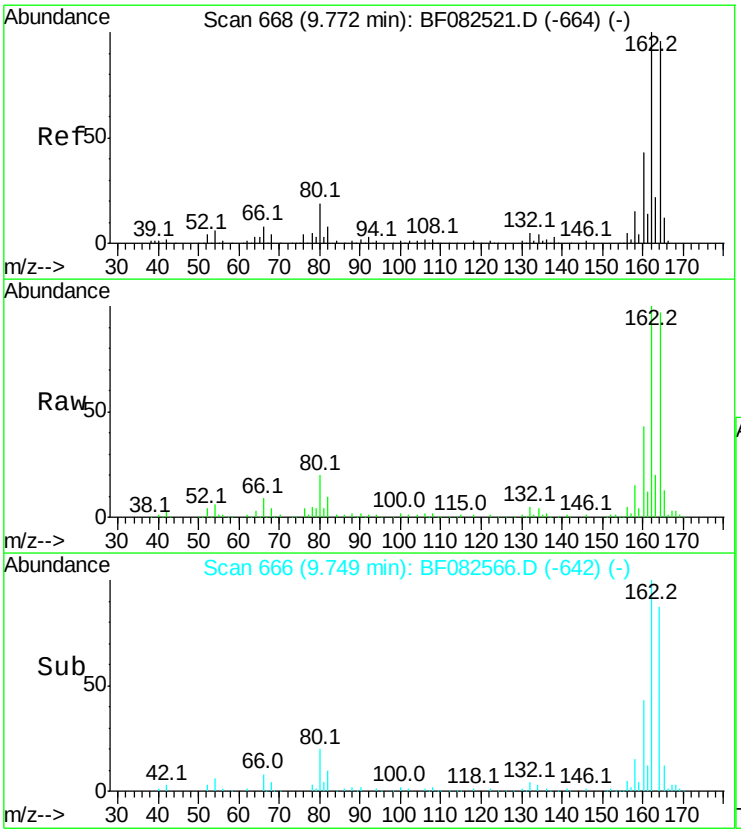
#37
2-Methylnaphthalene
Concen: 32.51 ng
RT: 8.71 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:142 Resp: 317765

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6
115	37.3	28.0	42.0

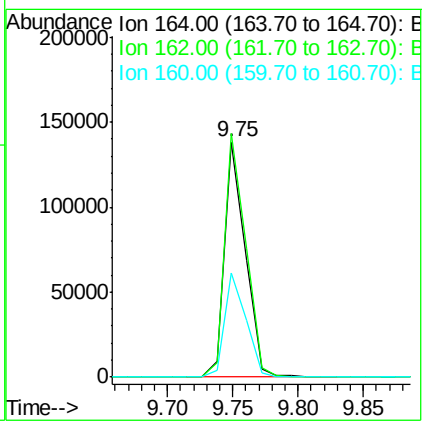


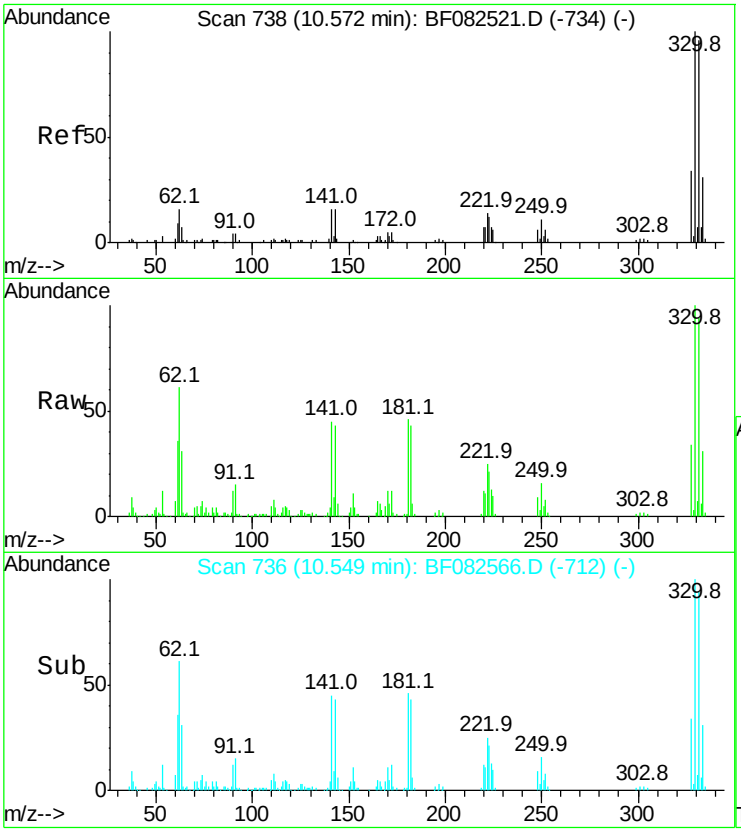


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:164 Resp: 153315

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.6	125.4
160	44.5	36.0	54.0



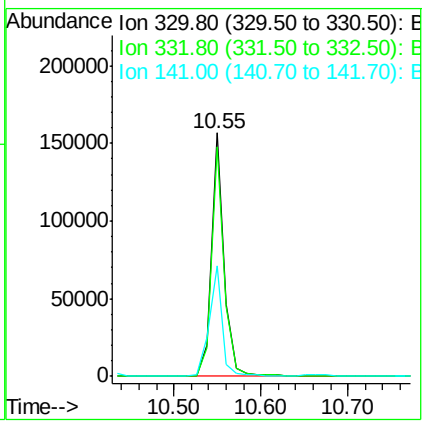


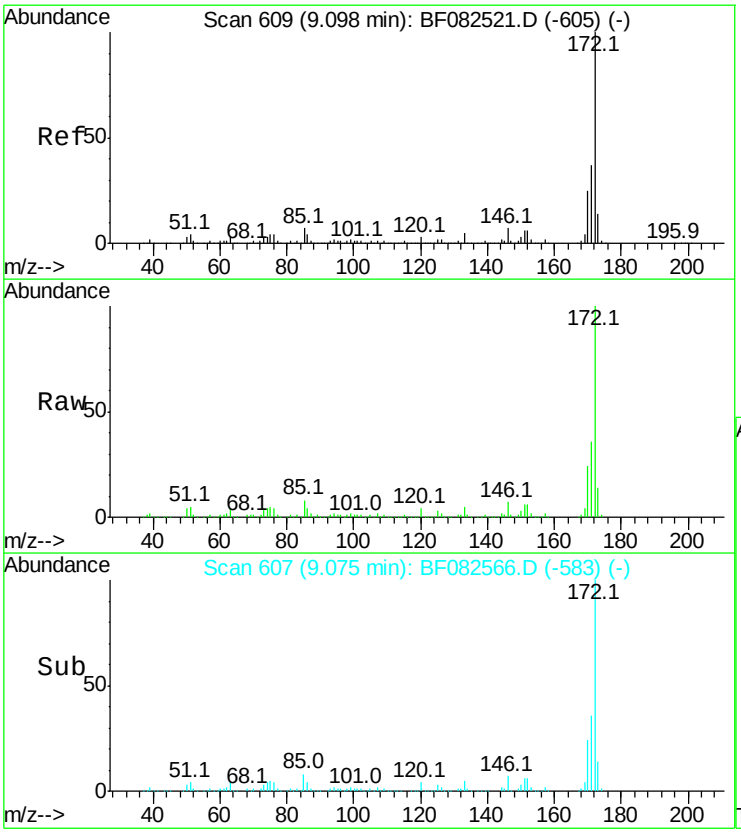
#41
2,4,6-Tribromophenol
Concen: 140.28 ng
RT: 10.55 min Scan# 736
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:330 Resp: 161047

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.4	116.0
141	45.8	32.5	48.7

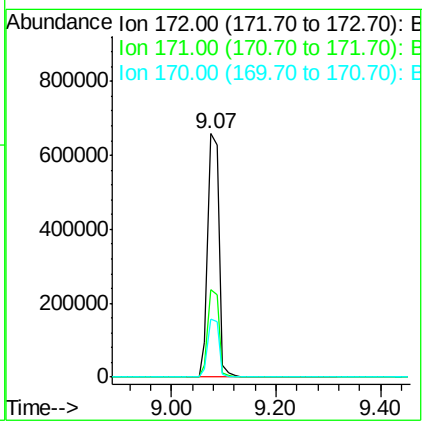


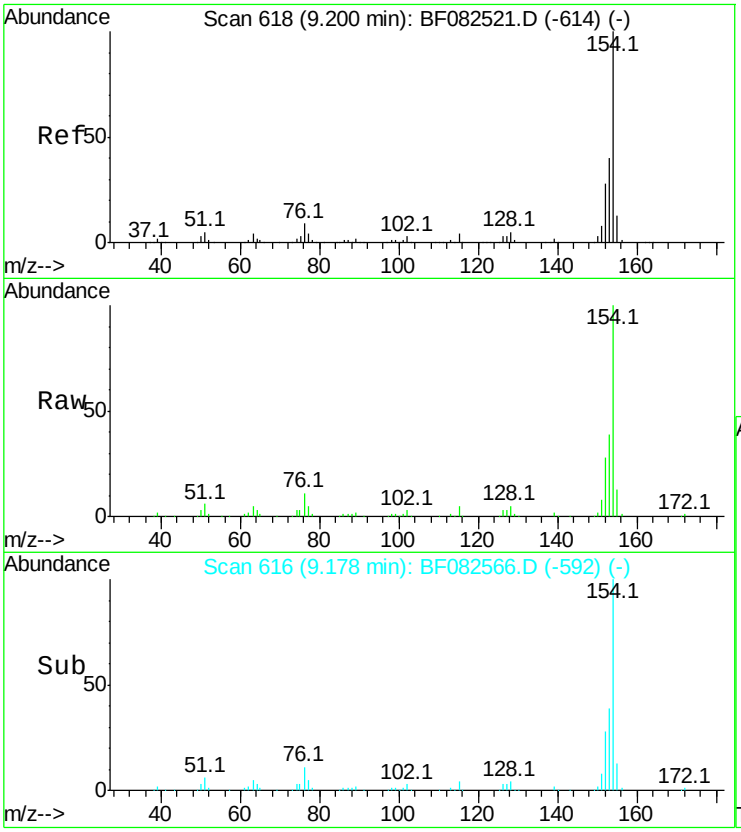


#44
2-Fluorobiphenyl
Concen: 102.93 ng
RT: 9.07 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:172 Resp: 992433

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.3	43.9
170	24.0	19.8	29.6



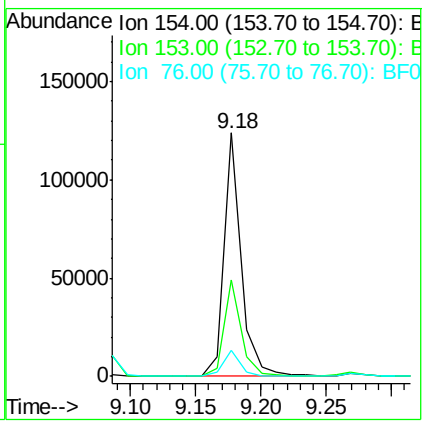


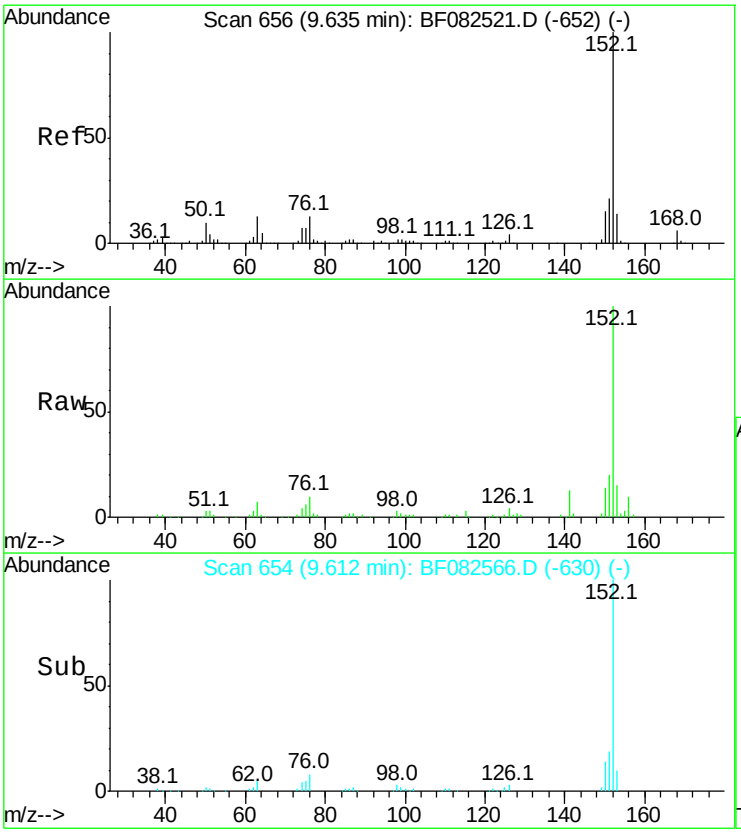
#45
1,1'-Biphenyl
Concen: 10.05 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:154 Resp: 114620

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.4	60.4
76	10.6	0.0	29.2

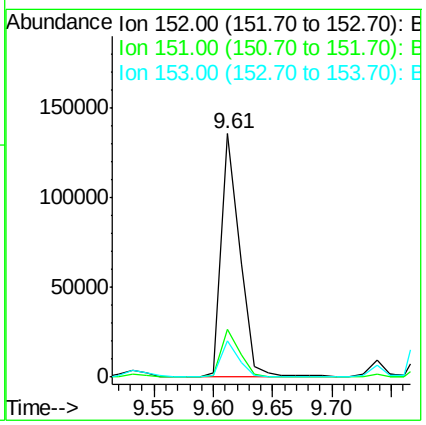


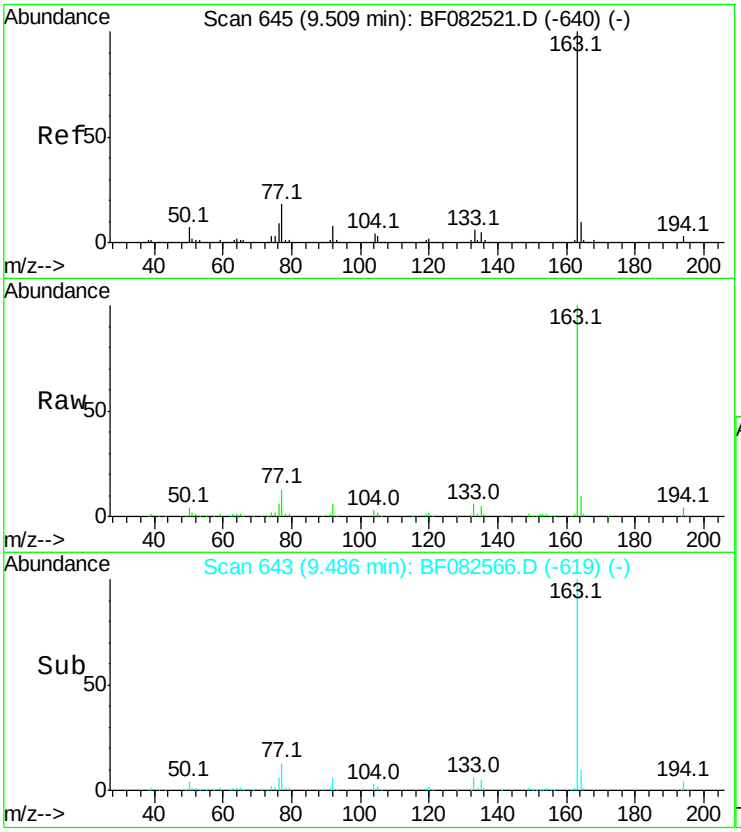


#48
Acenaphthylene
Concen: 10.17 ng
RT: 9.61 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:152 Resp: 146448

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0
153	14.9	10.9	16.3



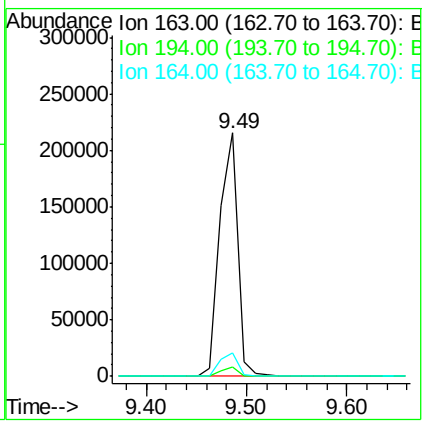


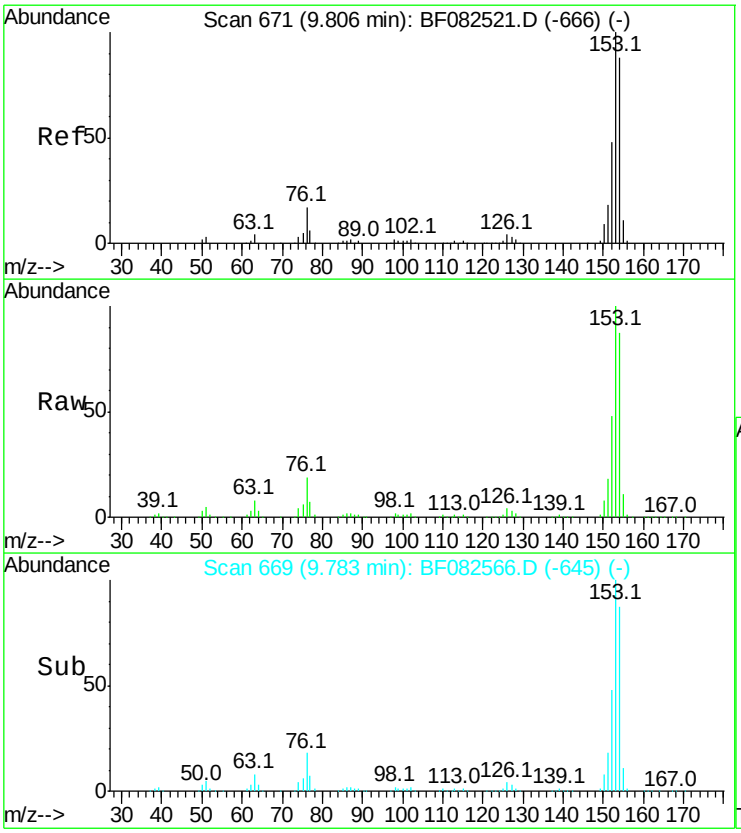
#49
Dimethylphthalate
Concen: 25.26 ng
RT: 9.49 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:163 Resp: 269461

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.5	8.2	12.4

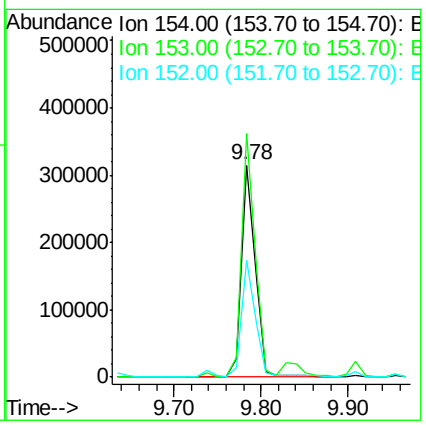


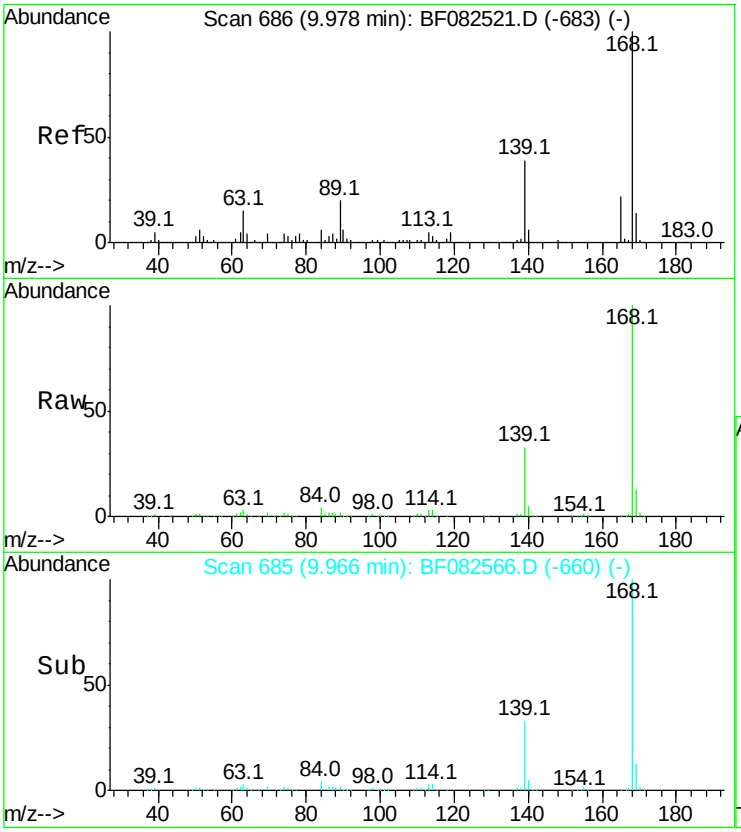


#51
Acenaphthene
Concen: 42.02 ng
RT: 9.78 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:154 Resp: 347122

Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.7	136.1
152	55.3	44.0	66.0



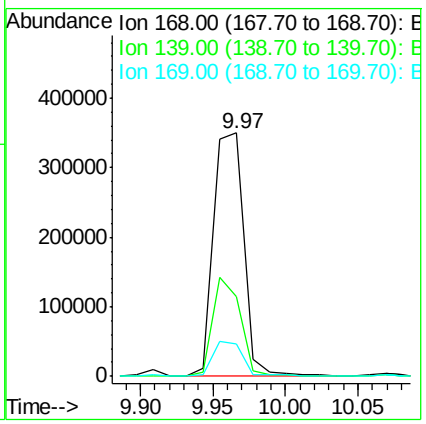


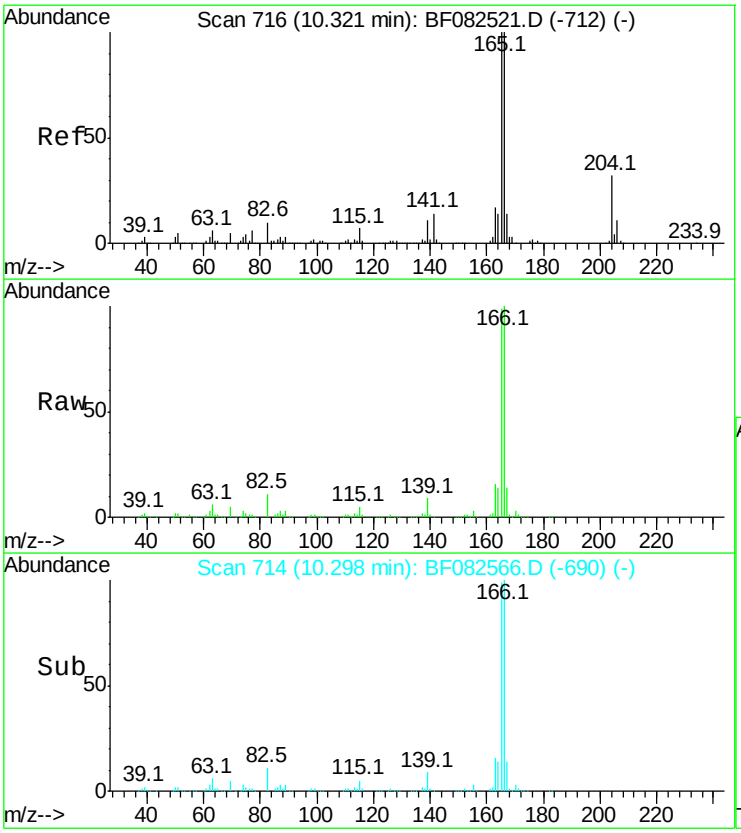
#54
Dibenzofuran
Concen: 42.16 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:168 Resp: 508124

Ion	Ratio	Lower	Upper
168	100		
139	32.8	33.0	49.6#
169	13.2	11.0	16.4

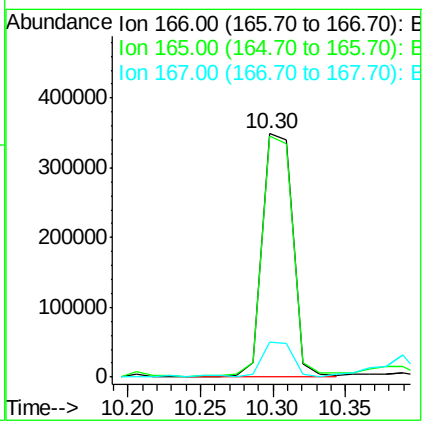


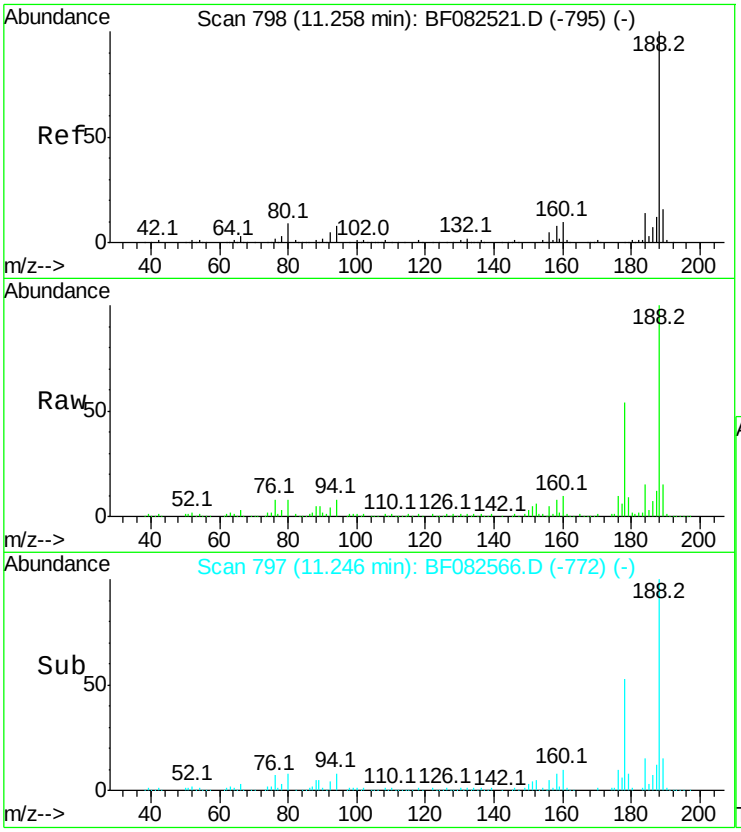


#57
Fluorene
Concen: 51.27 ng
RT: 10.30 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:166 Resp: 507317

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.7	119.5
167	14.2	11.0	16.4



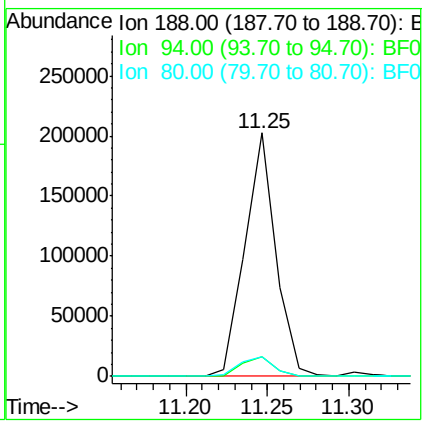


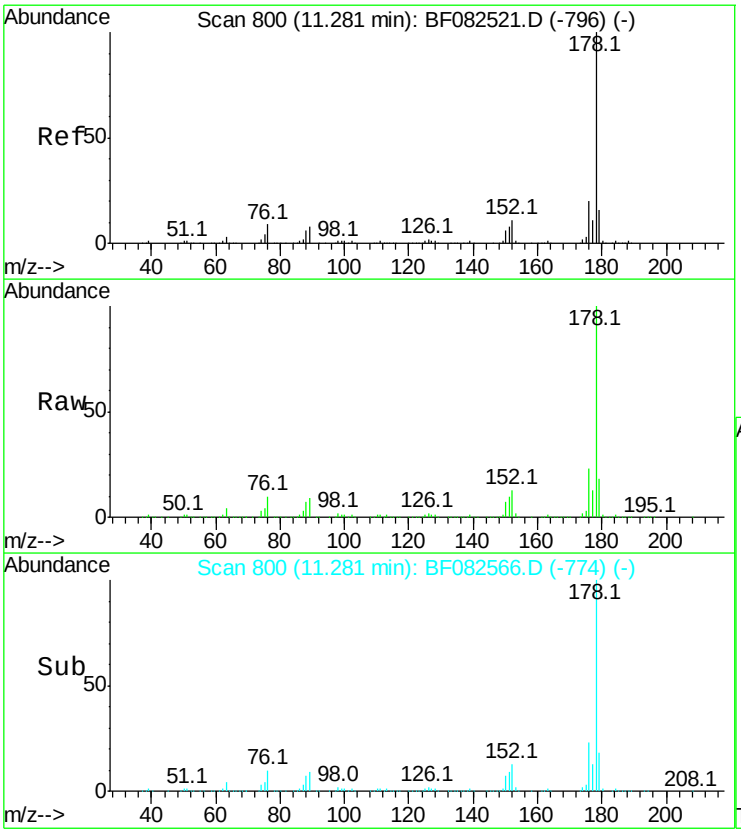
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:188 Resp: 266570

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.4	9.6
80	8.2	7.0	10.6

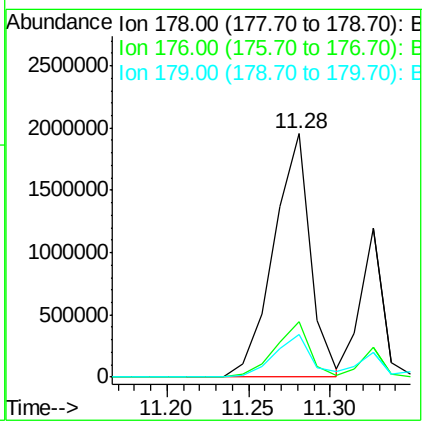


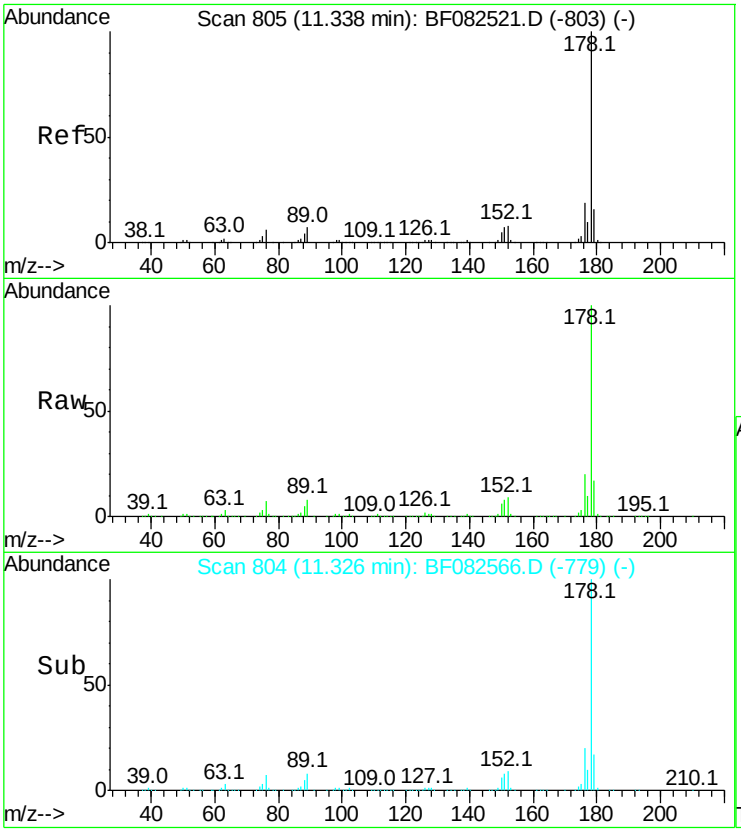


#70
Phenanthrene
Concen: 223.42 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:178 Resp: 3065065

Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.9	23.9
179	17.7	12.8	19.2



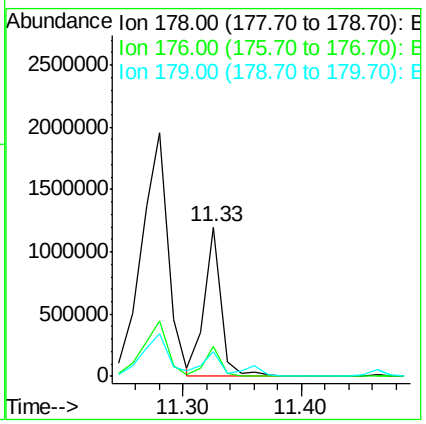


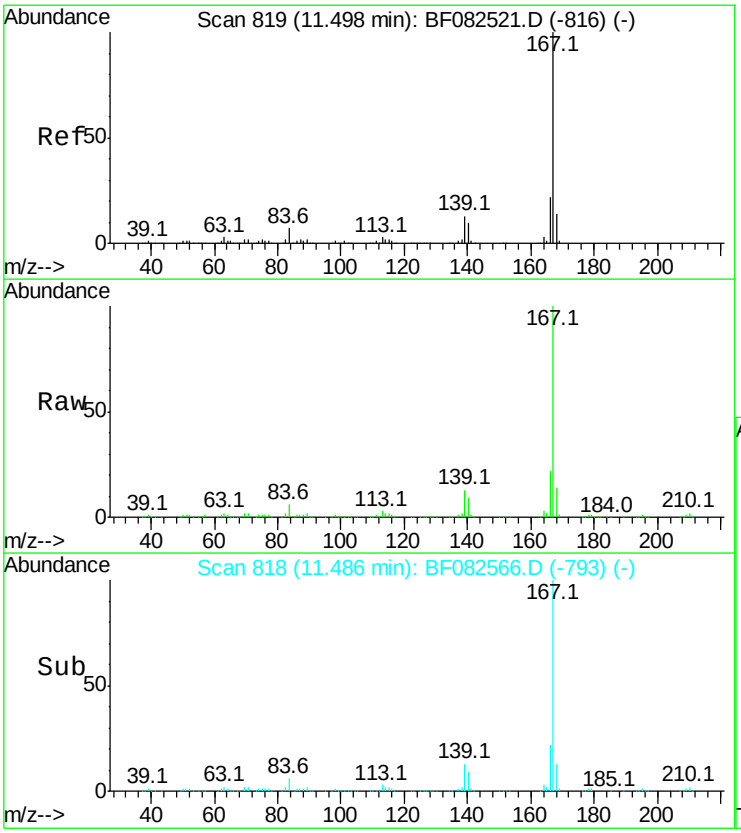
#71
Anthracene
Concen: 86.02 ng
RT: 11.33 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:178 Resp: 1188460

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.2	22.8
179	16.6	12.6	19.0

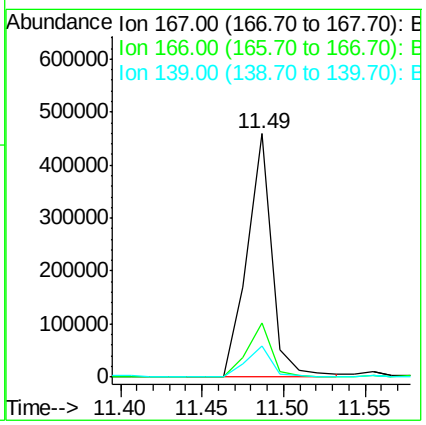


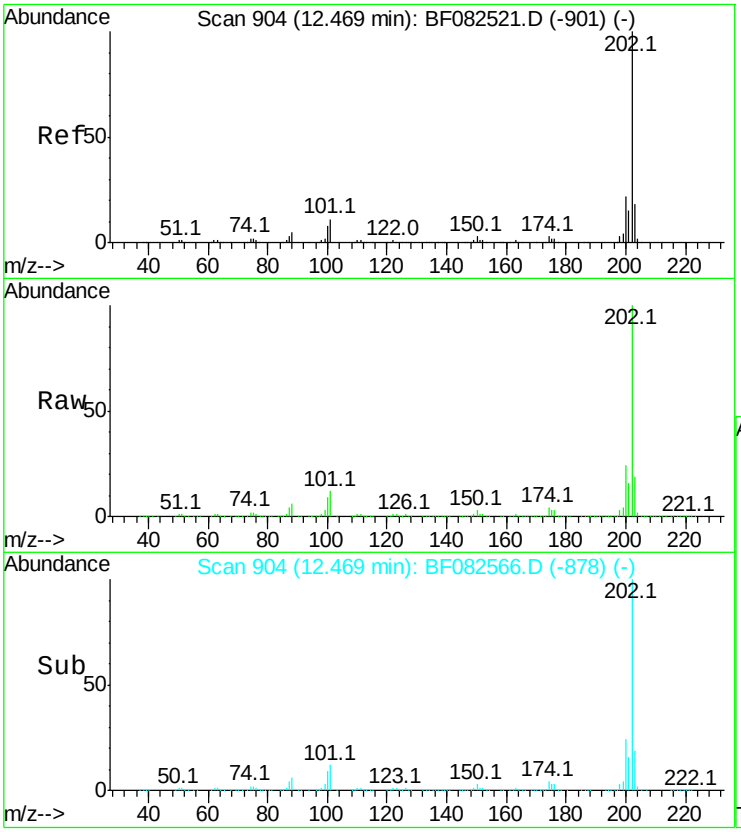


#72
Carbazole
Concen: 39.85 ng
RT: 11.49 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:167 Resp: 485451

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.9	26.9
139	12.7	10.4	15.6



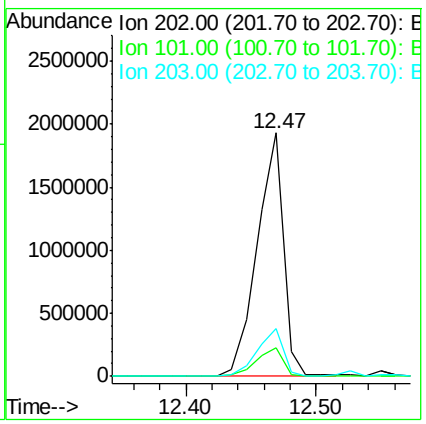


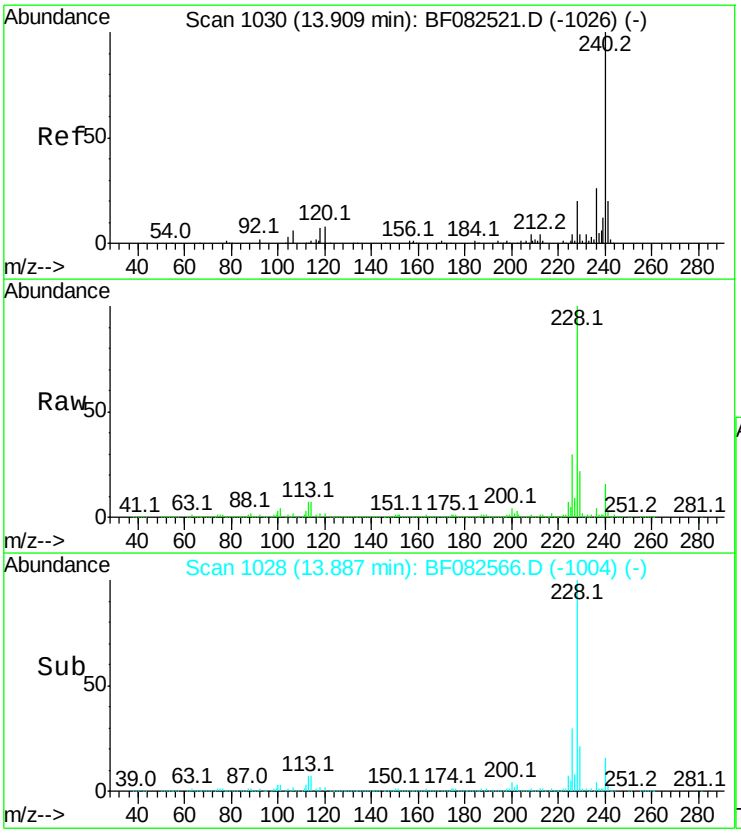
#74
Fluoranthene
Concen: 193.57 ng
RT: 12.47 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:202 Resp: 2725903

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.2
203	19.4	0.0	38.1

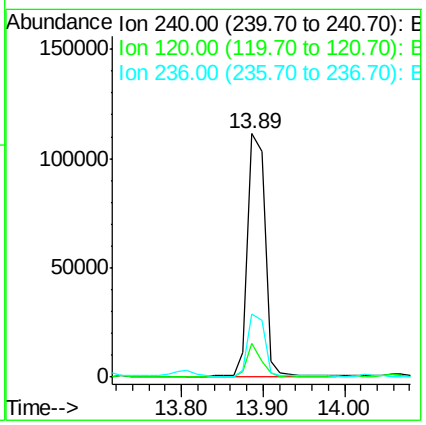


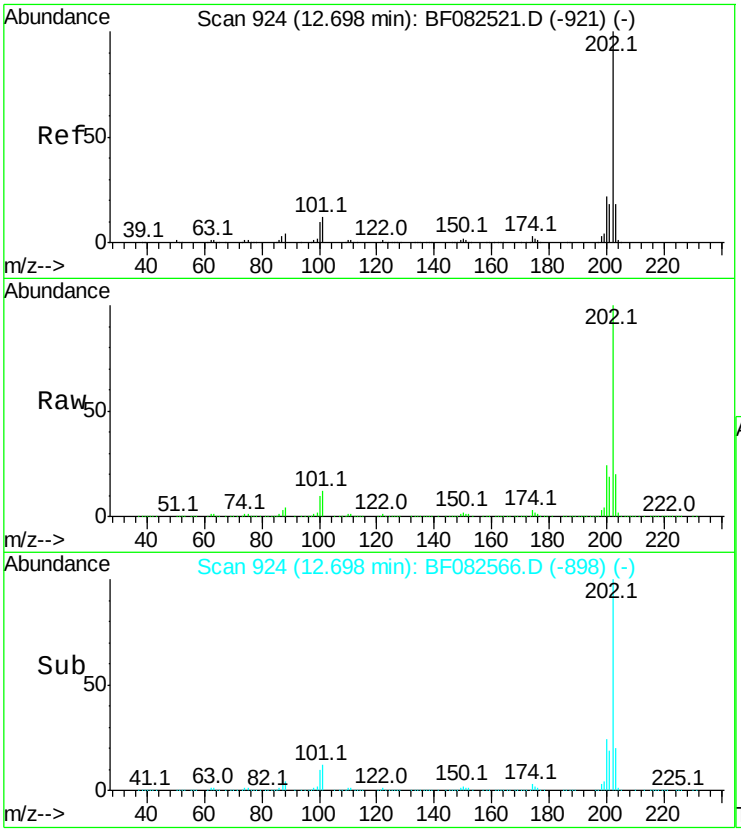


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:240 Resp: 166776

Ion	Ratio	Lower	Upper
240	100		
120	13.9	6.5	9.7#
236	25.9	20.5	30.7



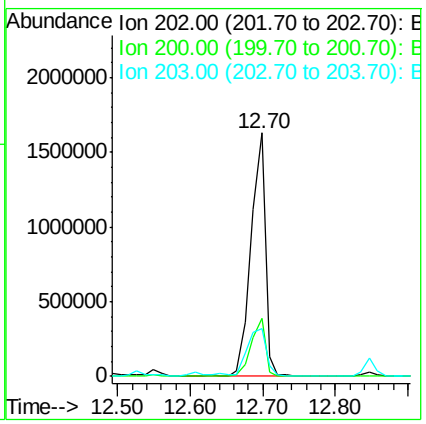


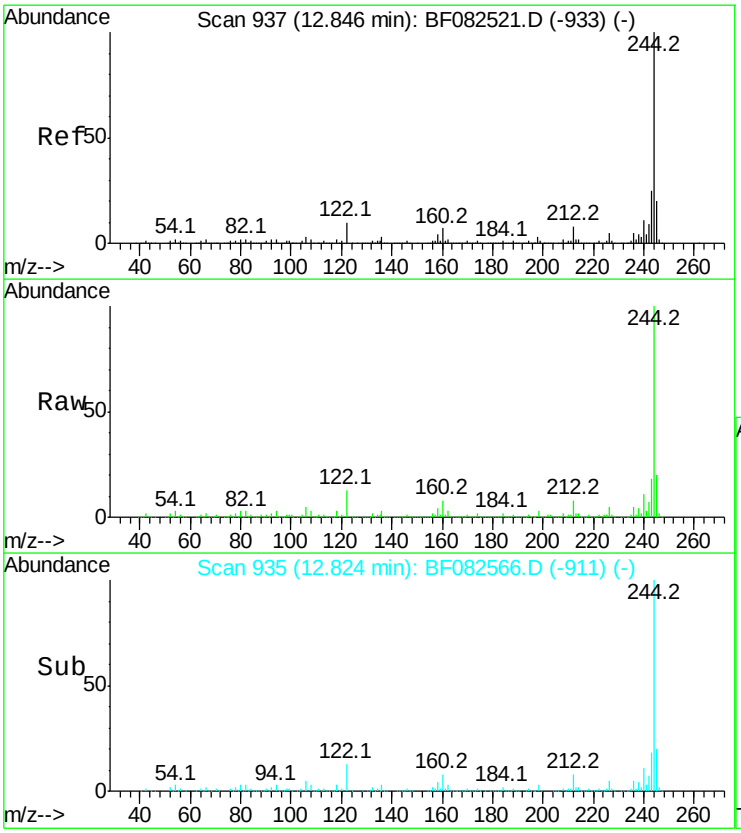
#77
Pyrene
Concen: 220.99 ng
RT: 12.70 min Scan# 924
Delta R.T. -0.00 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:202 Resp: 2266916

Ion	Ratio	Lower	Upper
202	100		
200	23.6	17.6	26.4
203	19.8	14.6	22.0

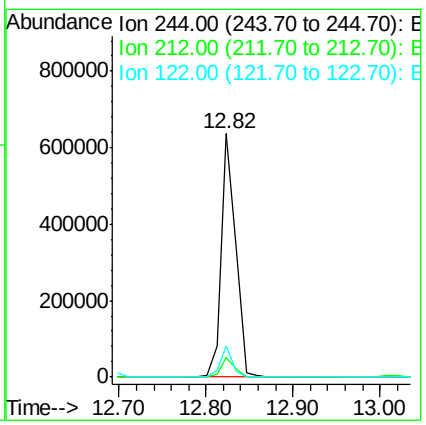


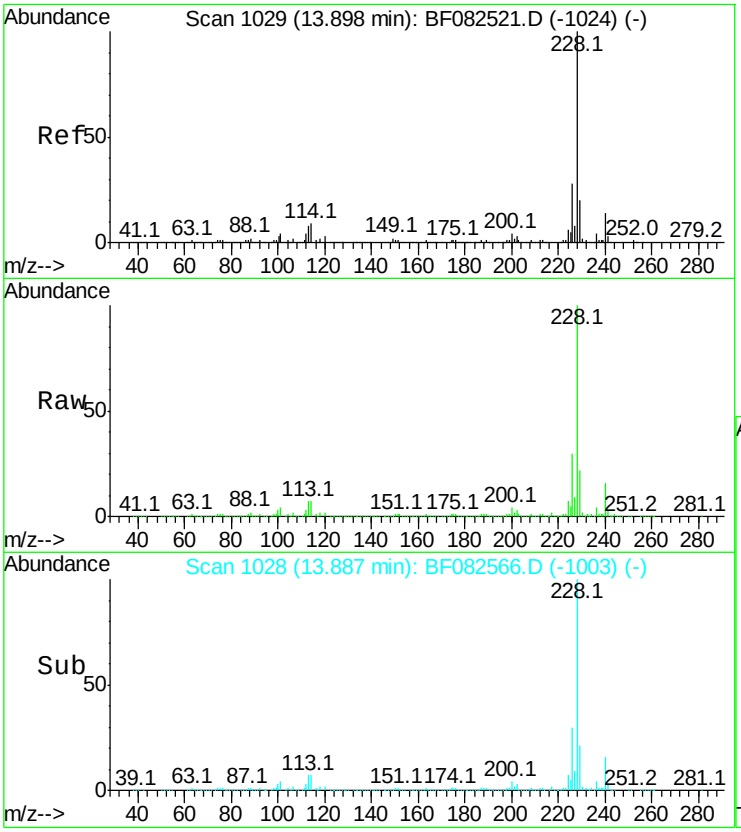


#78
Terphenyl-d14
Concen: 127.77 ng
RT: 12.82 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:244 Resp: 739655

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.4	9.6
122	13.0	8.1	12.1#



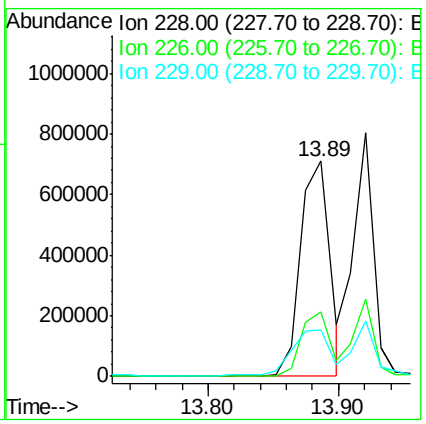


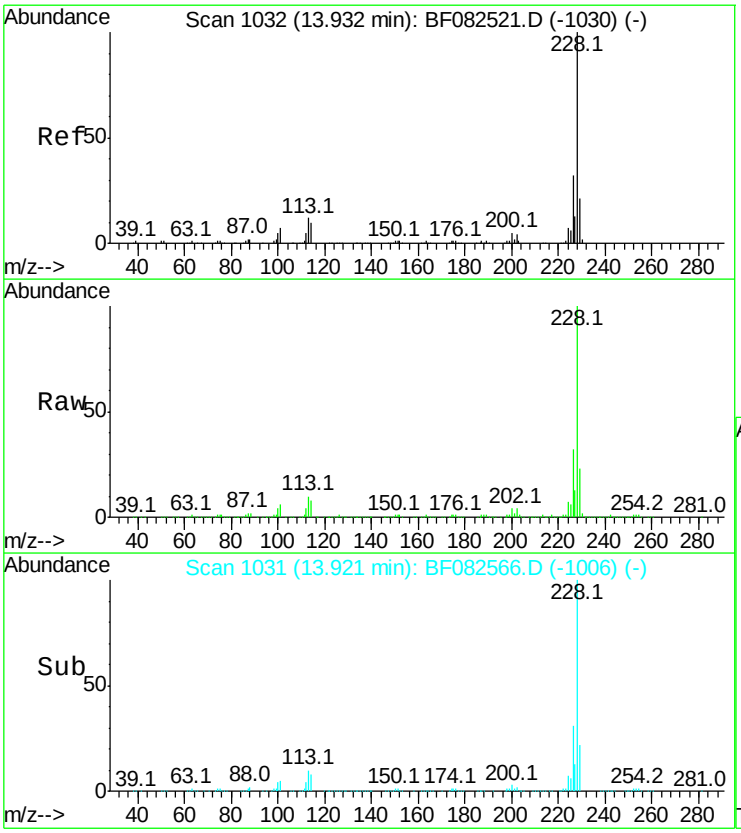
#80
Benzo(a)anthracene
Concen: 122.25 ng
RT: 13.89 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:228 Resp: 1093057

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.1	33.1
229	21.5	16.1	24.1

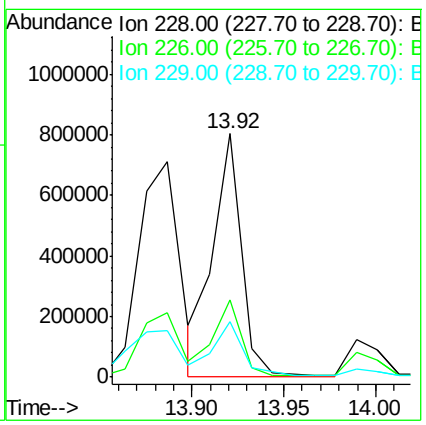


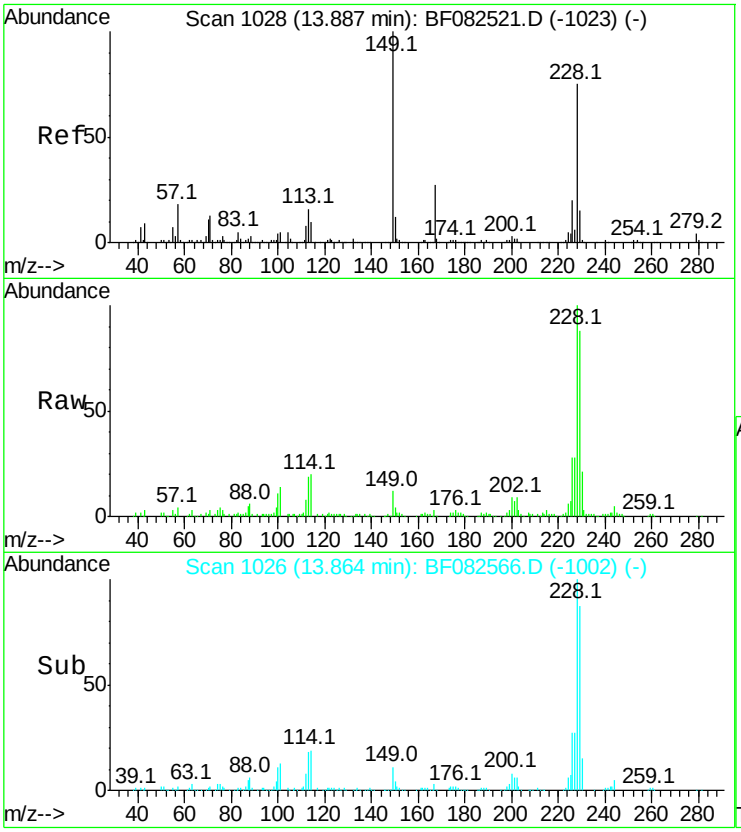


#82
Chrysene
Concen: 103.64 ng m
RT: 13.92 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:228 Resp: 875375

Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.2	37.8
229	22.9	16.3	24.5



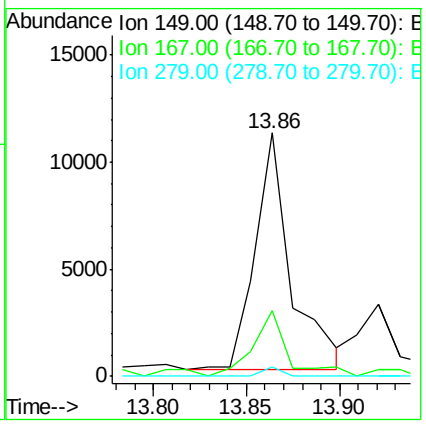


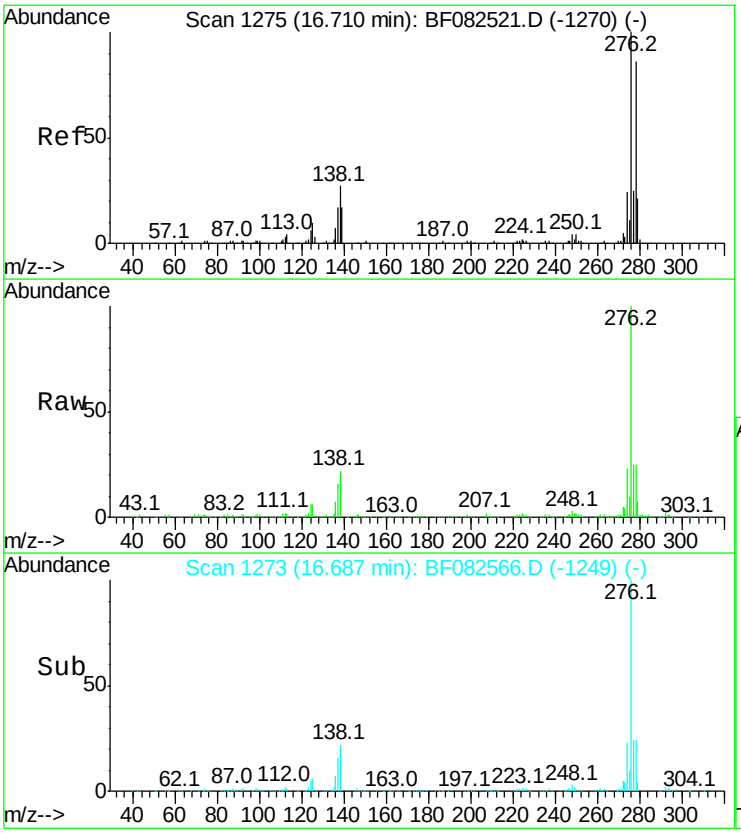
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.56 ng
RT: 13.86 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:149 Resp: 14810

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.6
279	3.7	3.0	4.6

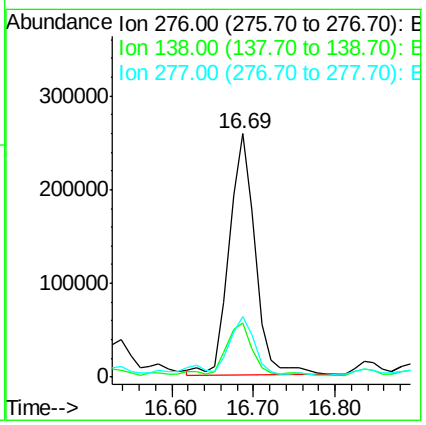


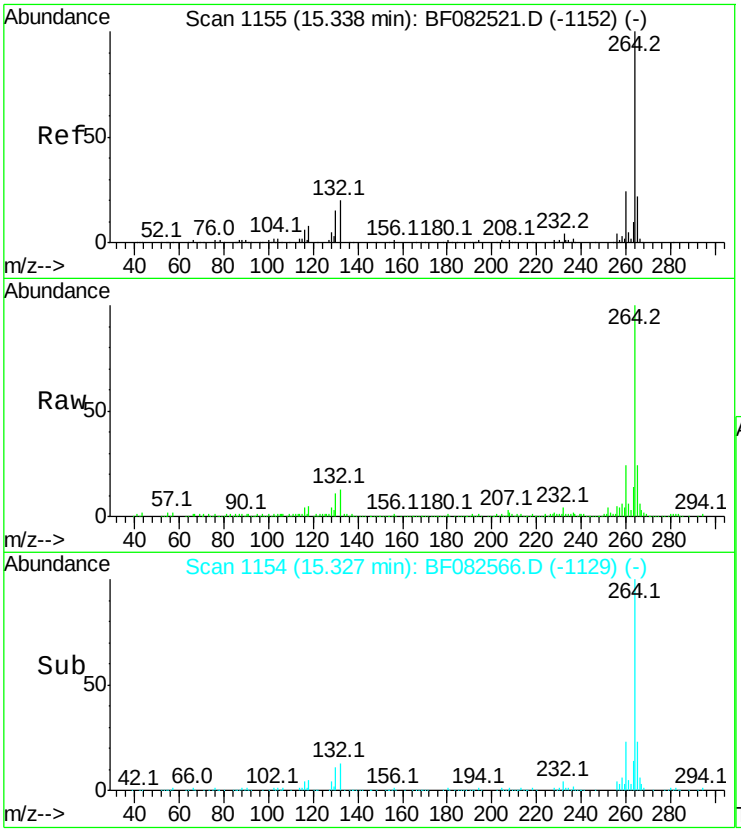


#85
Indeno(1,2,3-cd)pyrene
Concen: 72.64 ng
RT: 16.69 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:276 Resp: 563633

Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.6	30.8
277	23.1	19.9	29.9



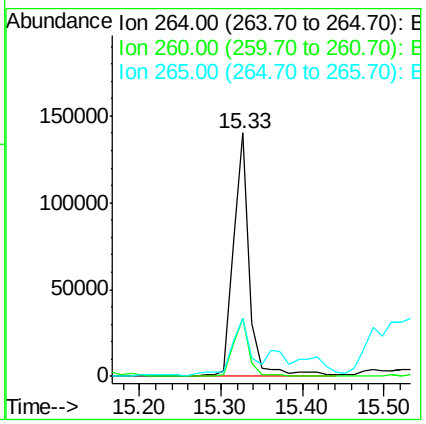


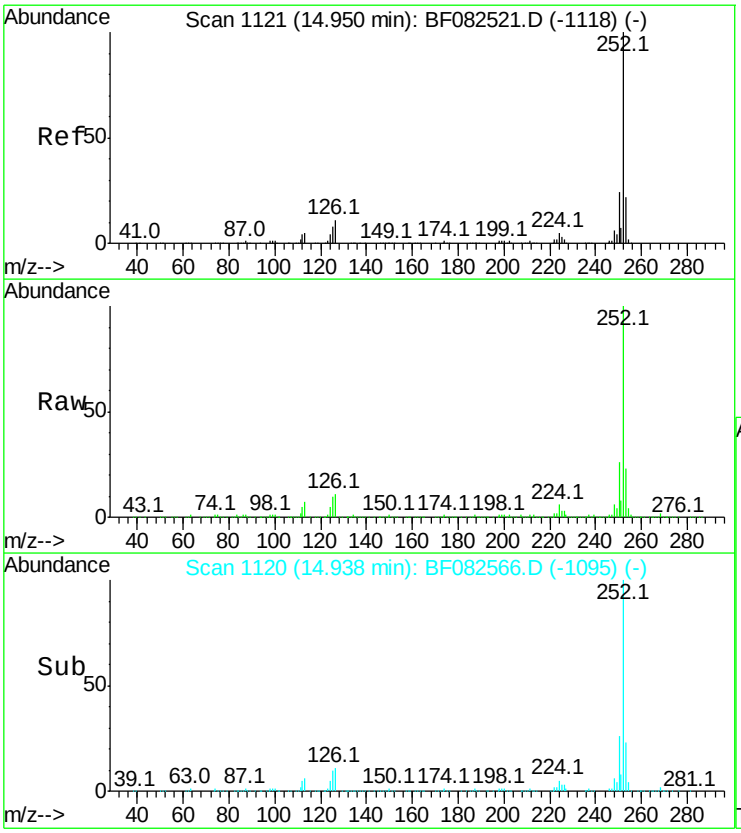
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:264 Resp: 187614

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	23.6	17.8	26.6

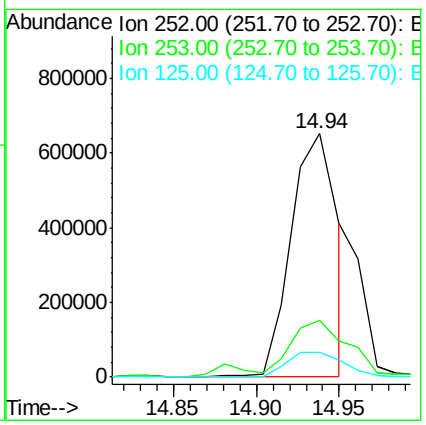


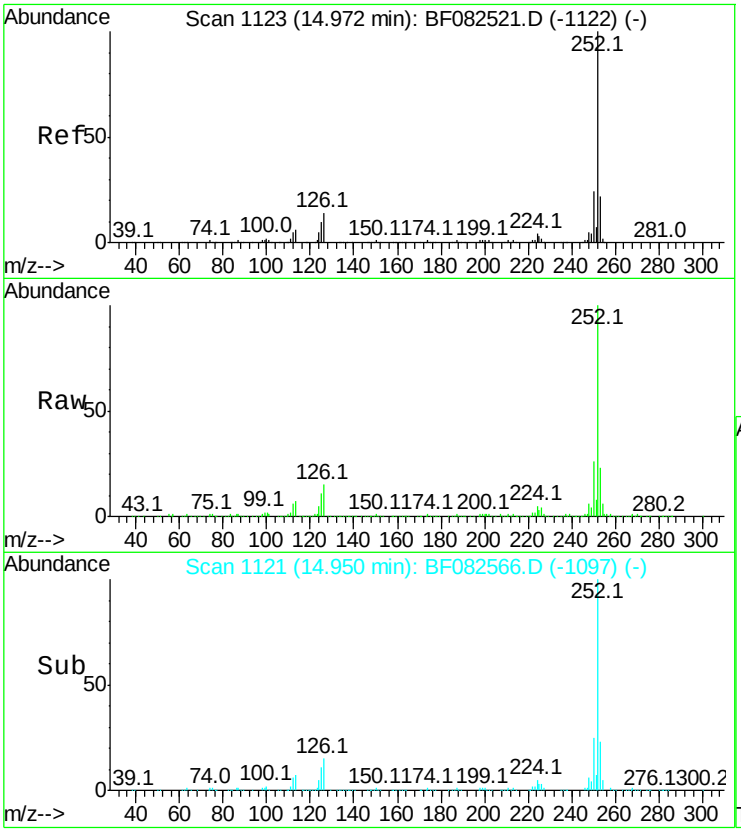


#87
Benzo(b)fluoranthene
Concen: 113.31 ng m
RT: 14.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:252 Resp: 1262501

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.2	6.6	10.0#



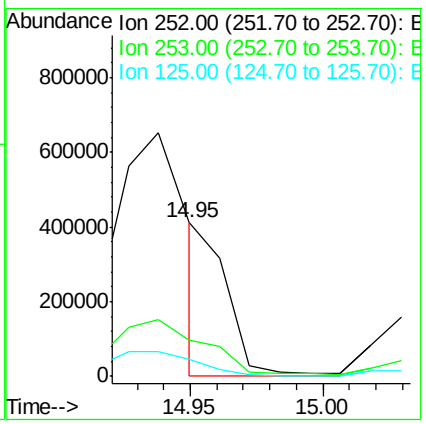


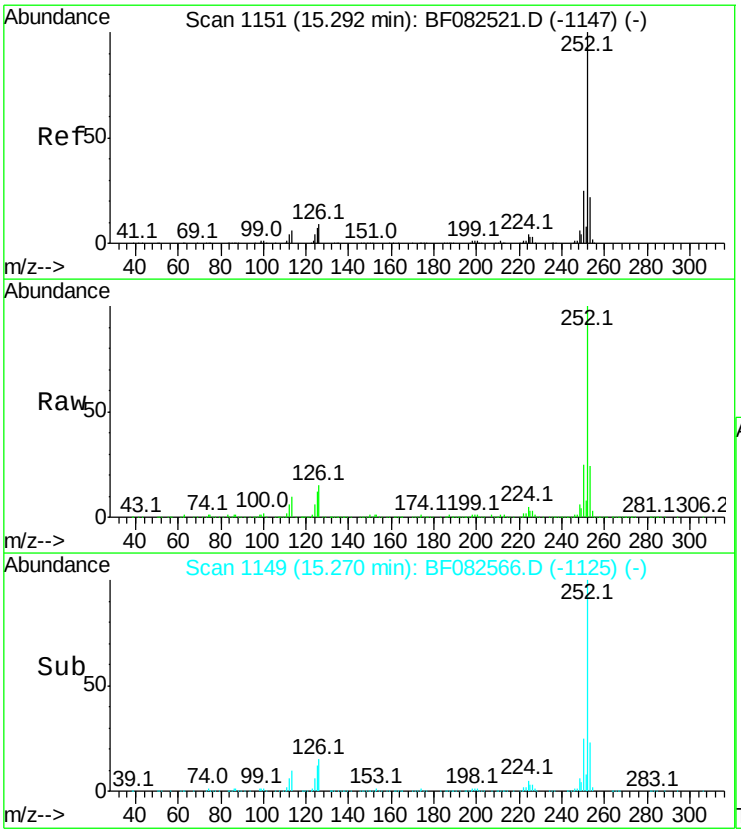
#88
Benzo(k)fluoranthene
Concen: 28.06 ng m
RT: 14.95 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:252 Resp: 254860

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.2	8.7	13.1

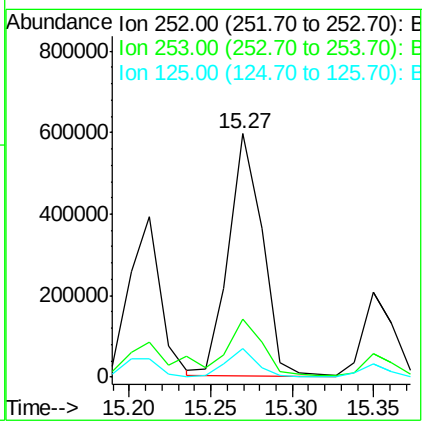


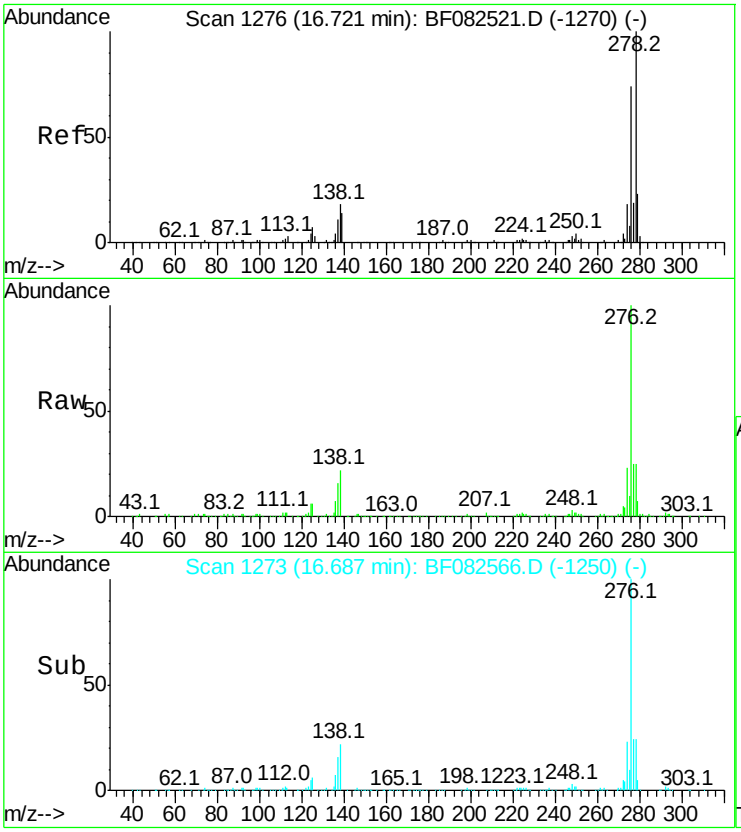


#89
Benzo(a)pyrene
Concen: 87.85 ng
RT: 15.27 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:252 Resp: 847953

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	11.8	5.9	8.9#



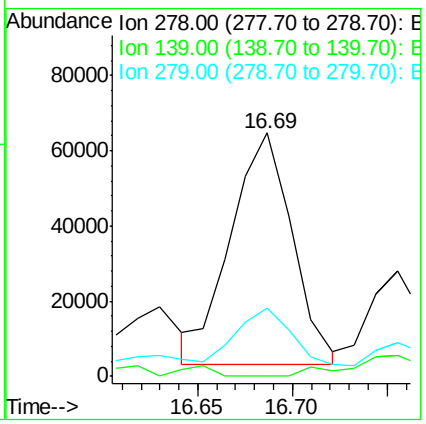


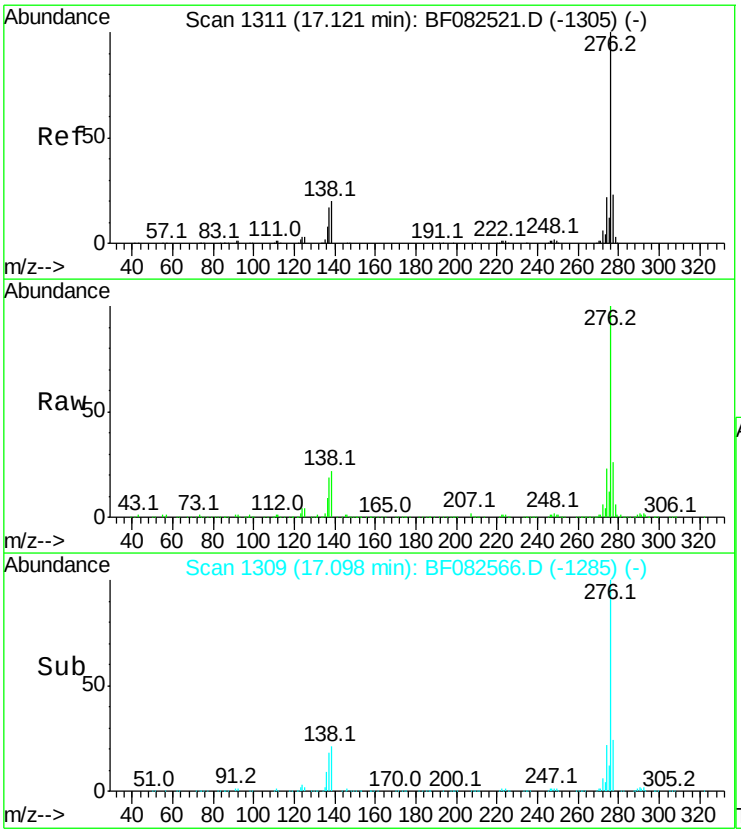
#90
Dibenzo(a,h)anthracene
Concen: 17.31 ng m
RT: 16.69 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Instrument :
BNA_F
ClientSampleId :
S1-BOILERROOM2.5FTDEEP

Tgt Ion:278 Resp: 139829

Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.6	17.4#
279	28.1	18.7	28.1#





#91
Benzo(g,h,i)perylene
Concen: 63.61 ng
RT: 17.10 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF082566.D
Acq: 28 Oct 2015 00:50

Tgt Ion:276 Resp: 508274

Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.3	27.5
138	22.2	16.0	24.0