Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102715\
Data File : BF082571.D
Acq On : 28 Oct 2015 3:37
Operator : UM/IZ
Sample : G4178-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-BOILERROOM2.5FTDEEP

Quant Time: Oct 28 05:52:59 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	87039	20.00	ng		-0.02
21) Naphthalene-d8	8.00	136	320813	20.00	ng		-0.02
38) Acenaphthene-d10	9.75	164	153936	20.00	ng		-0.02
63) Phenanthrene-d10	11.23	188	270539	20.00	ng		-0.02
75) Chrysene-d12	13.88	240	160430	20.00	ng		-0.03
86) Perylene-d12	15.30	264	175440	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	625952	141.97	ng		0.00
7) Phenol-d6	6.38	99	864653	150.47	ng		0.00
23) Nitrobenzene-d5	7.29	82	547661	110.13	ng		-0.01
41) 2,4,6-Tribromophenol	10.55	330	172750	149.86	ng		-0.02
44) 2-Fluorobiphenyl	9.07	172	947563	97.88	ng		-0.02
78) Terphenyl-d14	12.82	244	711688	127.80	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.02	128	430159	29.34	ng		99
37) 2-Methylnaphthalene	8.72	142	38591	3.90	ng		96
49) Dimethylphthalate	9.47	163	232495	21.71	ng		99
51) Acenaphthene	9.78	154	65103	7.85	ng		98
54) Dibenzofuran	9.95	168	88886	7.34	ng		97
57) Fluorene	10.30	166	92701	9.33	ng		99
70) Phenanthrene	11.27	178	900588	64.68	ng		99
71) Anthracene	11.31	178	243241	17.35	ng		99
72) Carbazole	11.47	167	194918	15.76	ng		99
74) Fluoranthene	12.46	202	876395	61.32	ng		95
77) Pyrene	12.68	202	674351	68.34	ng		99
80) Benzo(a)anthracene	13.88	228	307706m	35.78	ng		
82) Chrysene	13.91	228	236324m	29.09	ng		
83) Bis(2-ethylhexyl)phthalate	13.85	149	12980	2.34	ng		99
85) Indeno(1,2,3-cd)pyrene	16.65	276	185409	24.84	ng	#	94
87) Benzo(b)fluoranthene	14.90	252	313079m	30.05	ng		
88) Benzo(k)fluoranthene	14.92	252	155724m	18.33	ng		
89) Benzo(a)pyrene	15.25	252	232120	25.72	ng	#	96
90) Dibenzo(a,h)anthracene	16.66	278	44543m	5.90	ng		
91) Benzo(g,h,i)perylene	17.06	276	171598	22.97	ng		97

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

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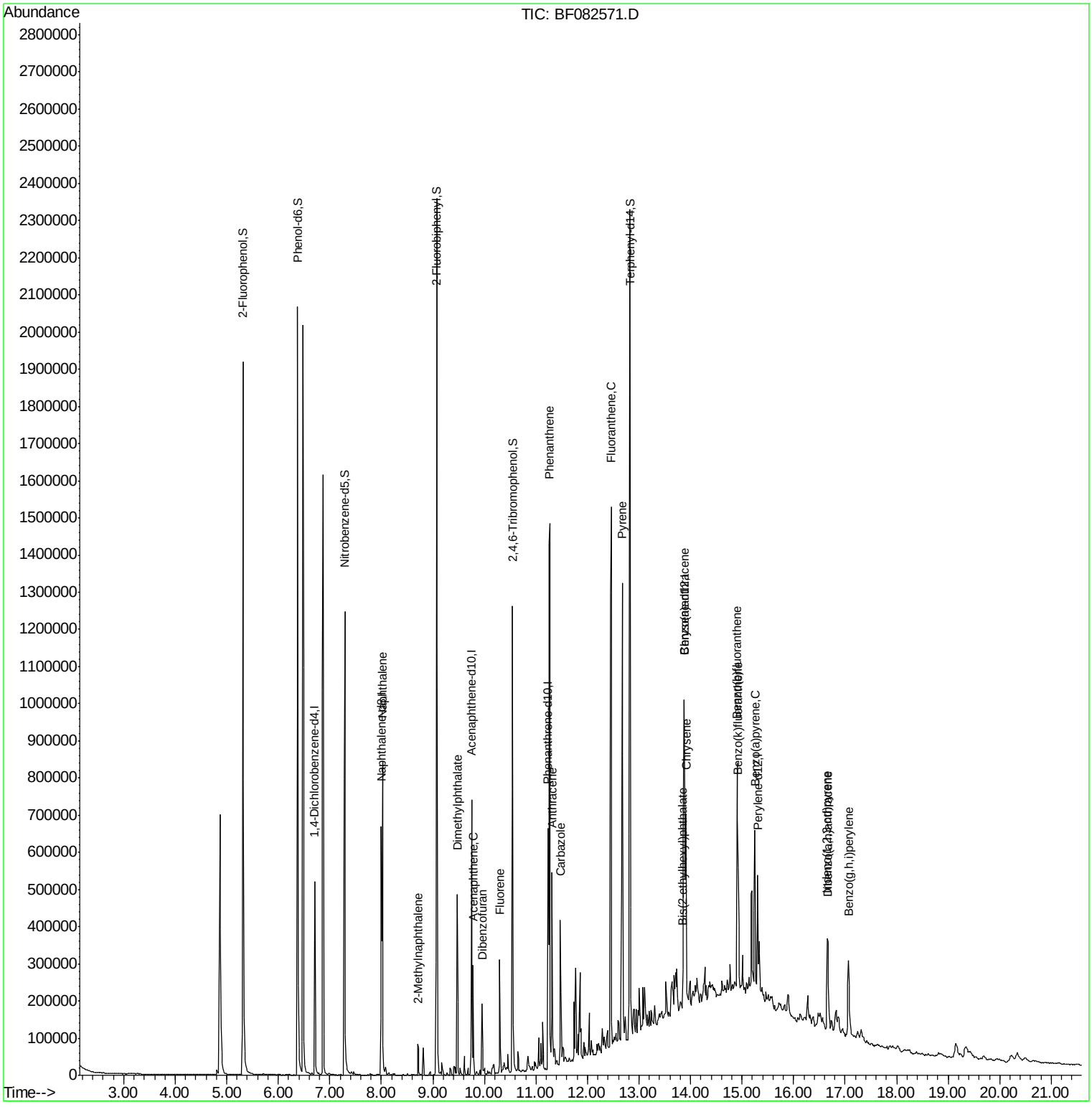
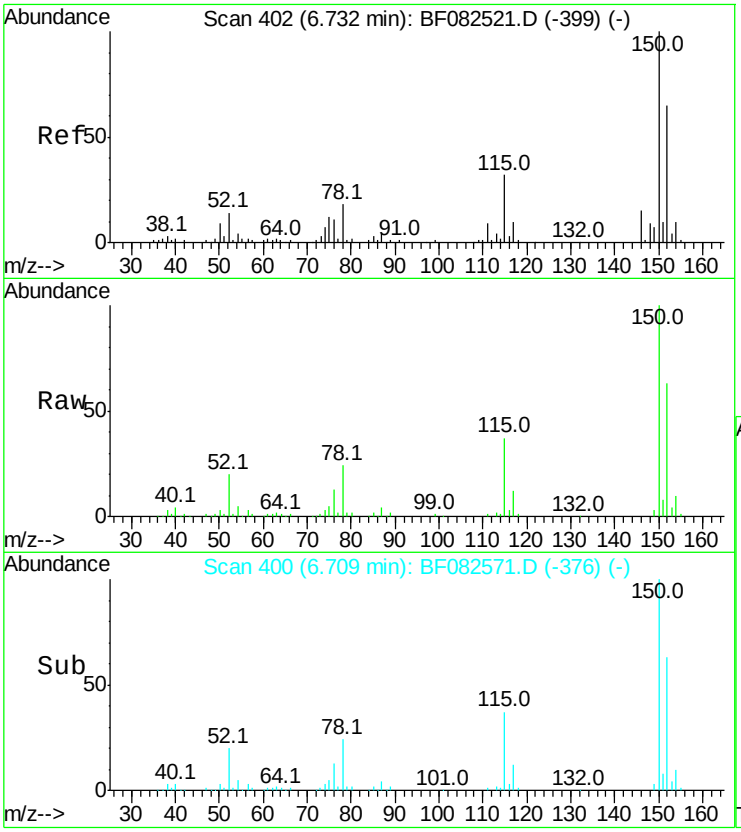


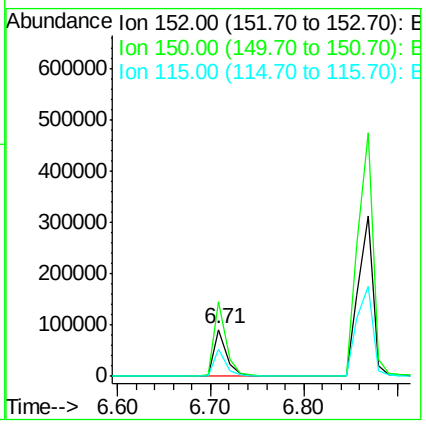


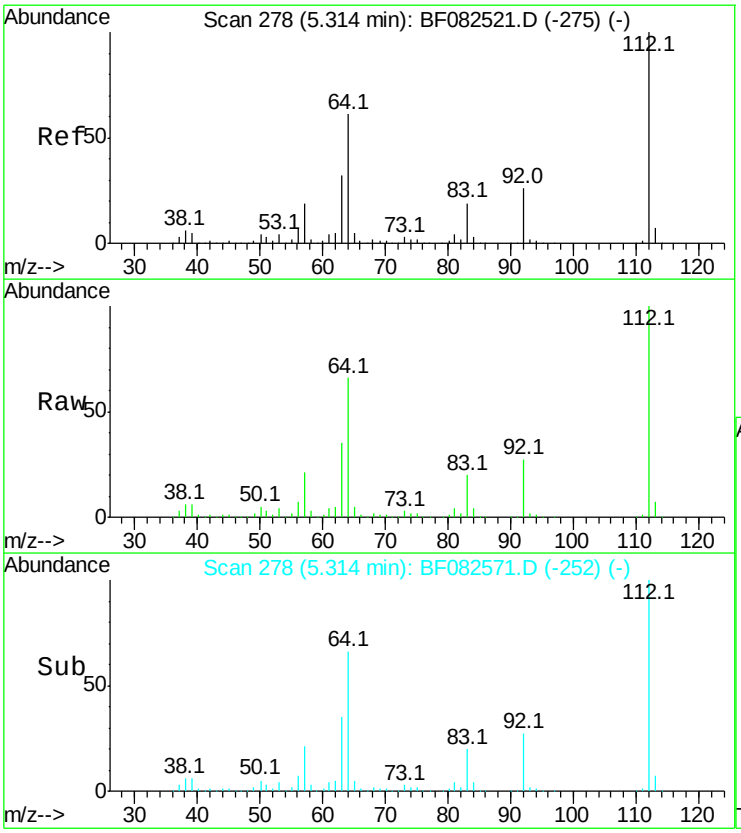
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 400
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:152 Resp: 87039

Ion	Ratio	Lower	Upper
152	100		
150	158.1	123.4	185.0
115	58.3	39.0	58.4

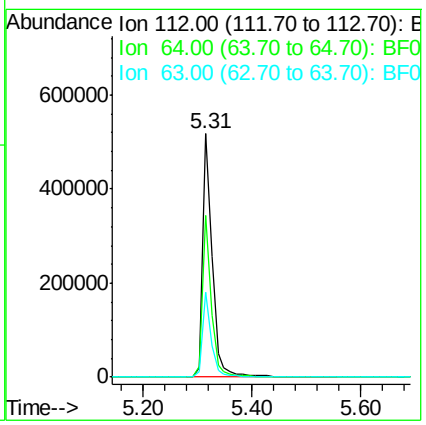


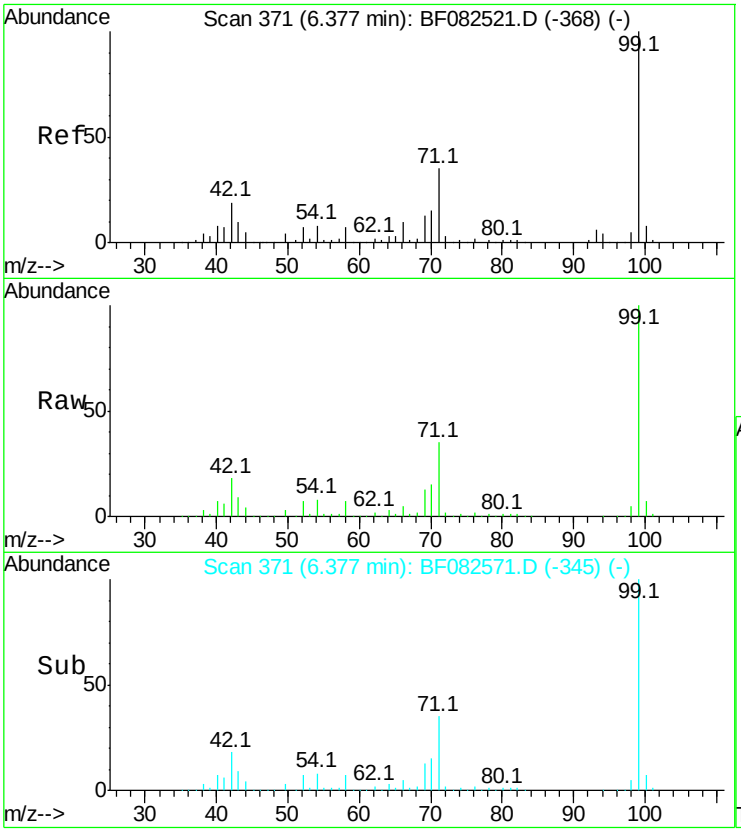


#5
2-Fluorophenol
Concen: 141.97 ng
RT: 5.31 min Scan# 278
Delta R.T. 0.00 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:112 Resp: 625952

Ion	Ratio	Lower	Upper
112	100		
64	66.4	49.0	73.4
63	34.8	25.8	38.6



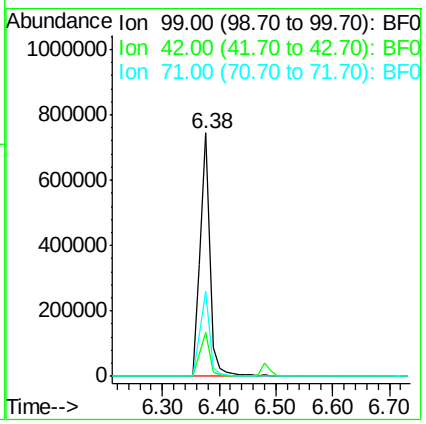


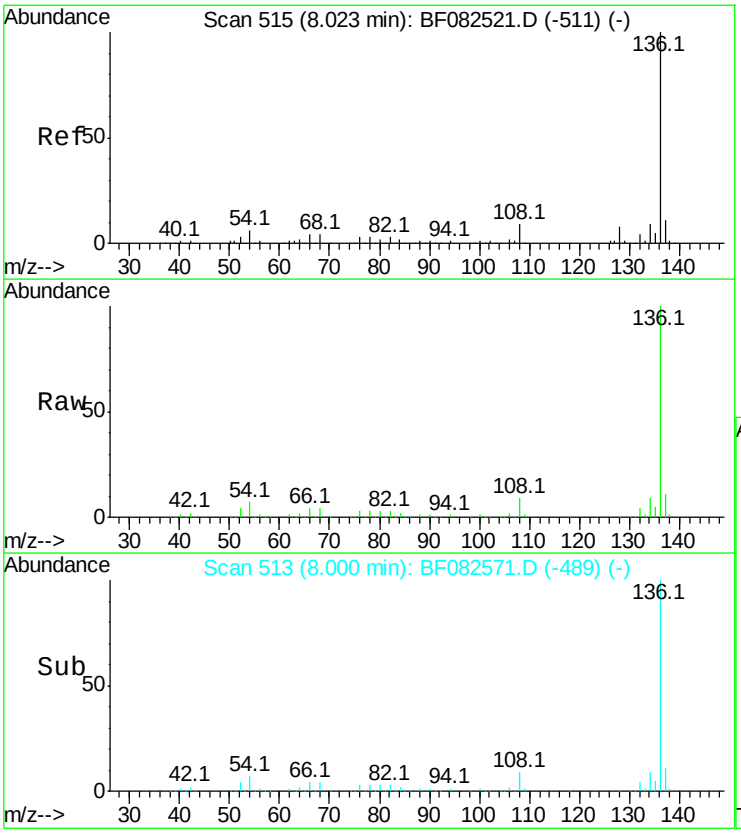
#7
Phenol-d6
Concen: 150.47 ng
RT: 6.38 min Scan# 371
Delta R.T. -0.00 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion: 99 Resp: 864653

Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.1	22.7
71	34.9	28.2	42.2

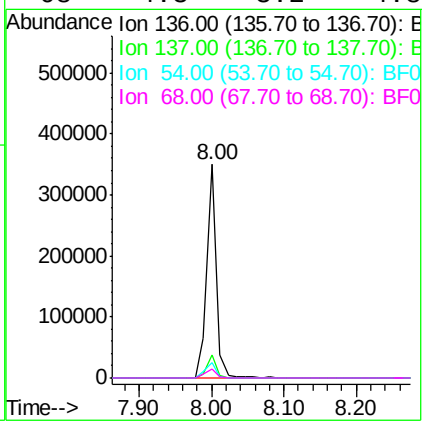


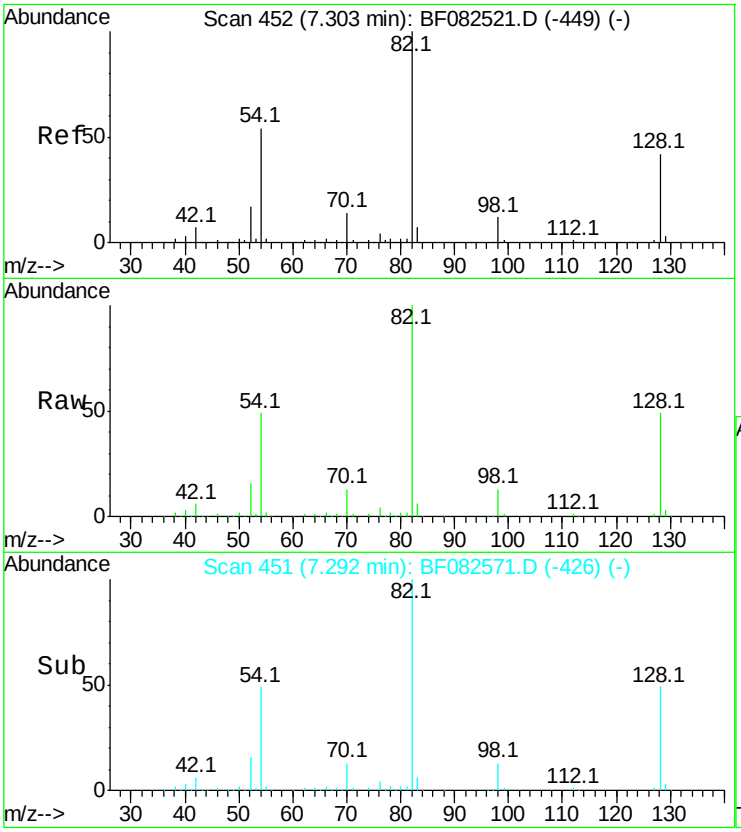


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:136 Resp: 320813

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.0	4.6	7.0#
68	4.3	3.2	4.8



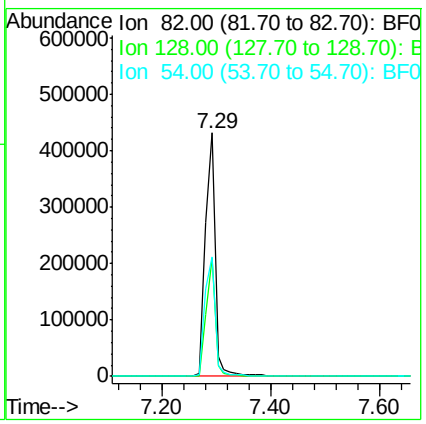


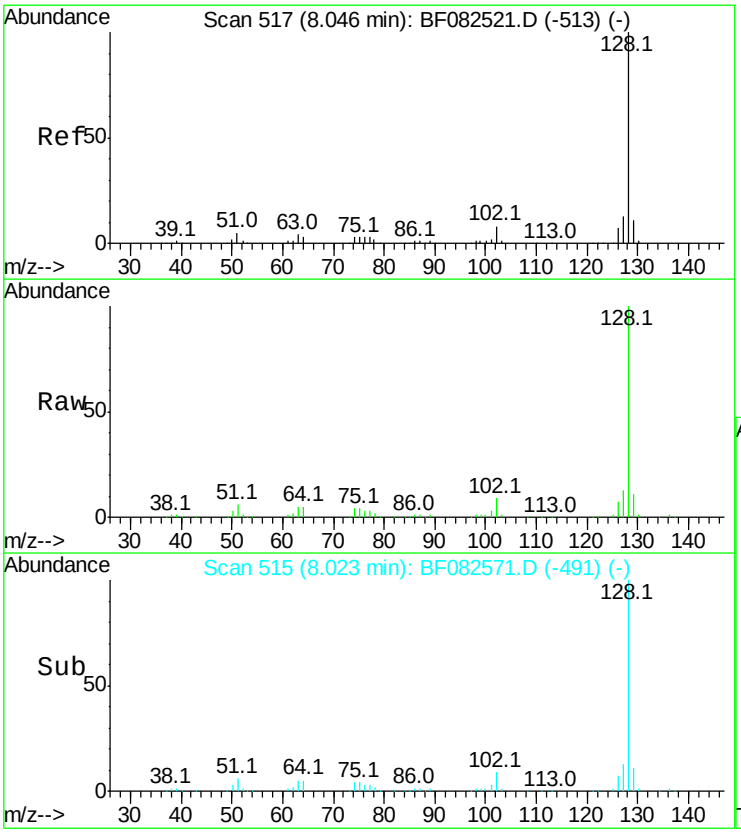
#23
Nitrobenzene-d5
Concen: 110.13 ng
RT: 7.29 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion: 82 Resp: 547661

Ion	Ratio	Lower	Upper
82	100		
128	48.7	33.4	50.0
54	49.3	43.5	65.3

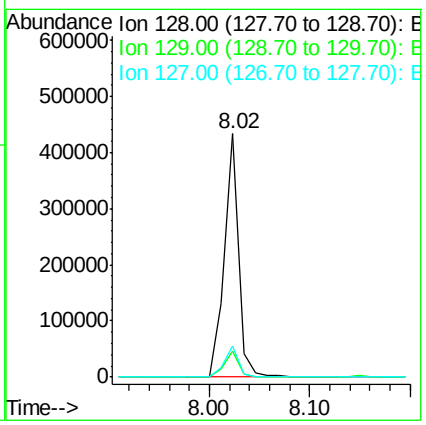


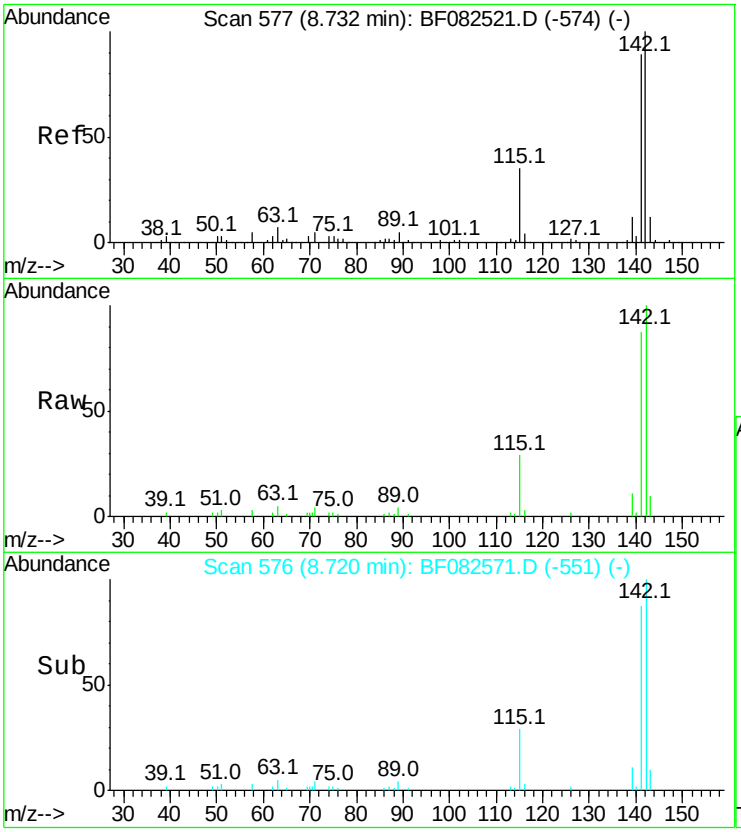


#31
Naphthalene
Concen: 29.34 ng
RT: 8.02 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:128 Resp: 430159

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.0	10.7	16.1



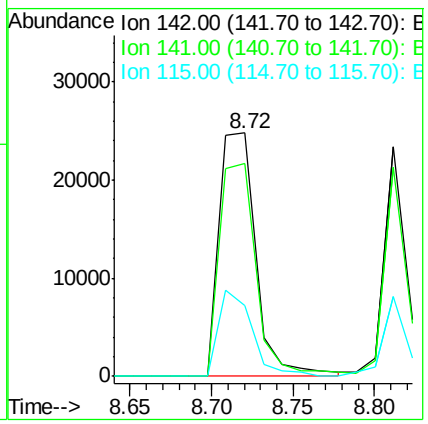


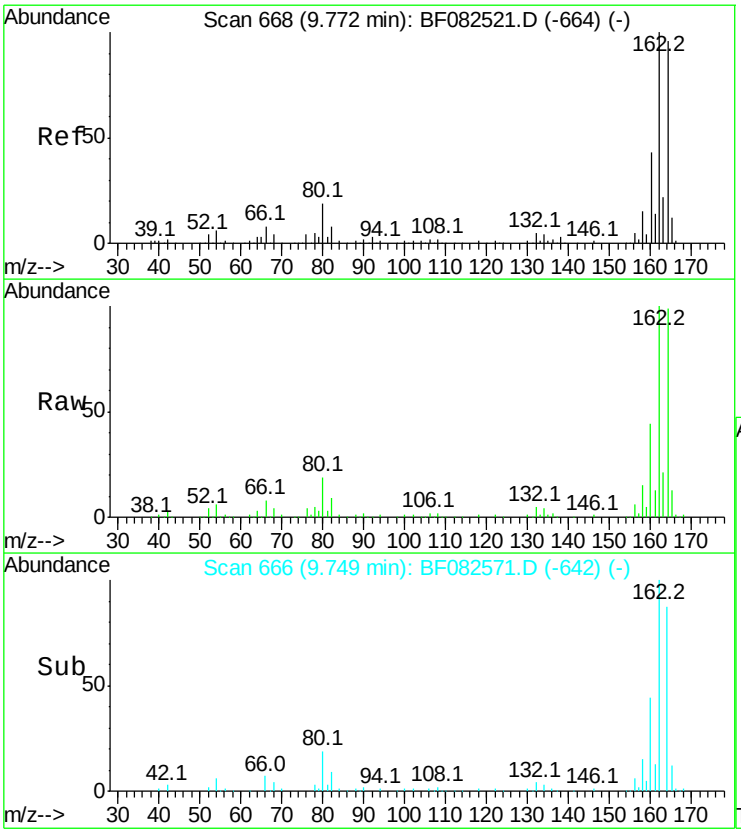
#37
2-Methylnaphthalene
Concen: 3.90 ng
RT: 8.72 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:142 Resp: 38591

Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.0	106.6
115	29.0	28.0	42.0

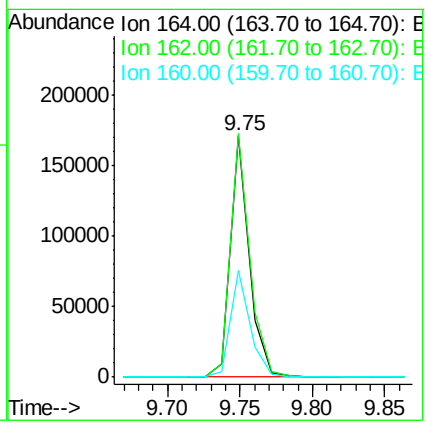


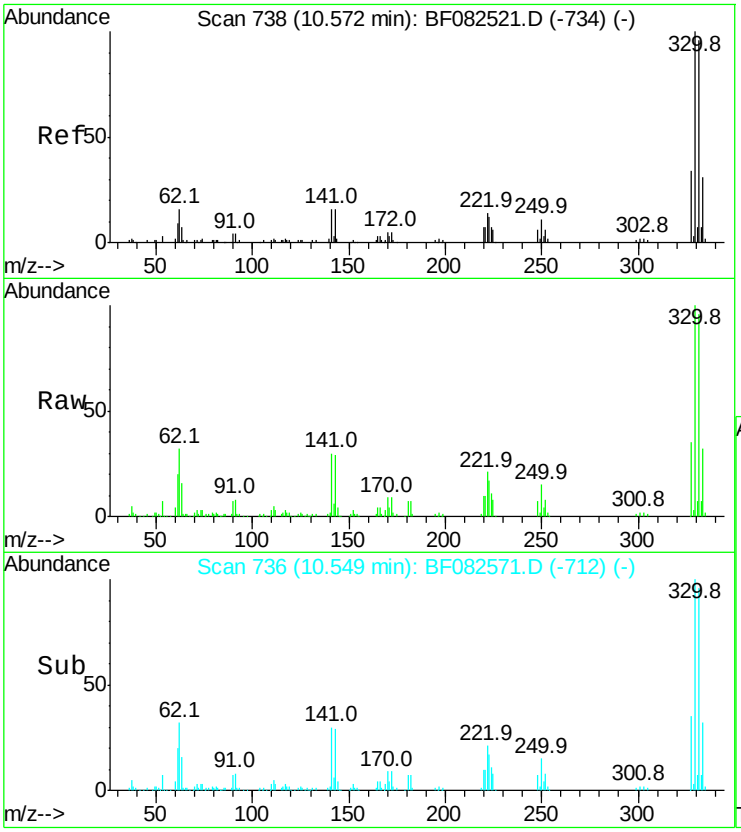


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:164 Resp: 153936

Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.6	125.4
160	44.5	36.0	54.0



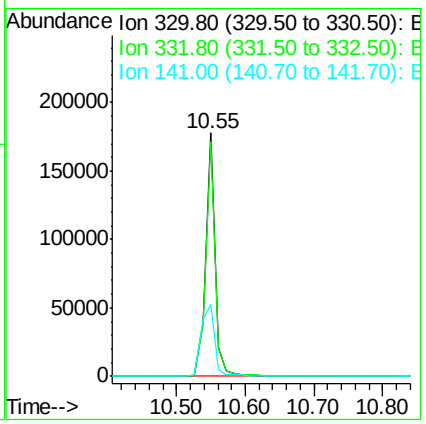


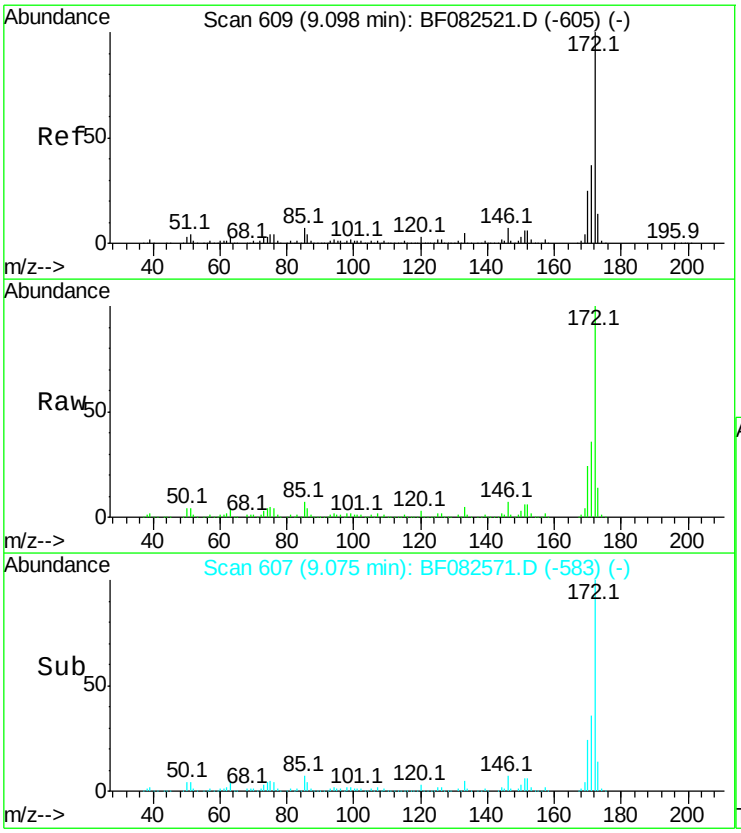
#41
2,4,6-Tribromophenol
Concen: 149.86 ng
RT: 10.55 min Scan# 736
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:330 Resp: 172750

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	41.3	32.5	48.7

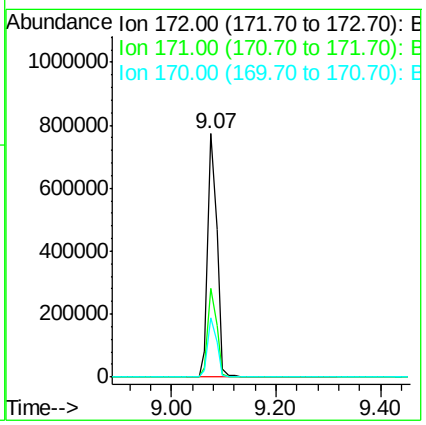


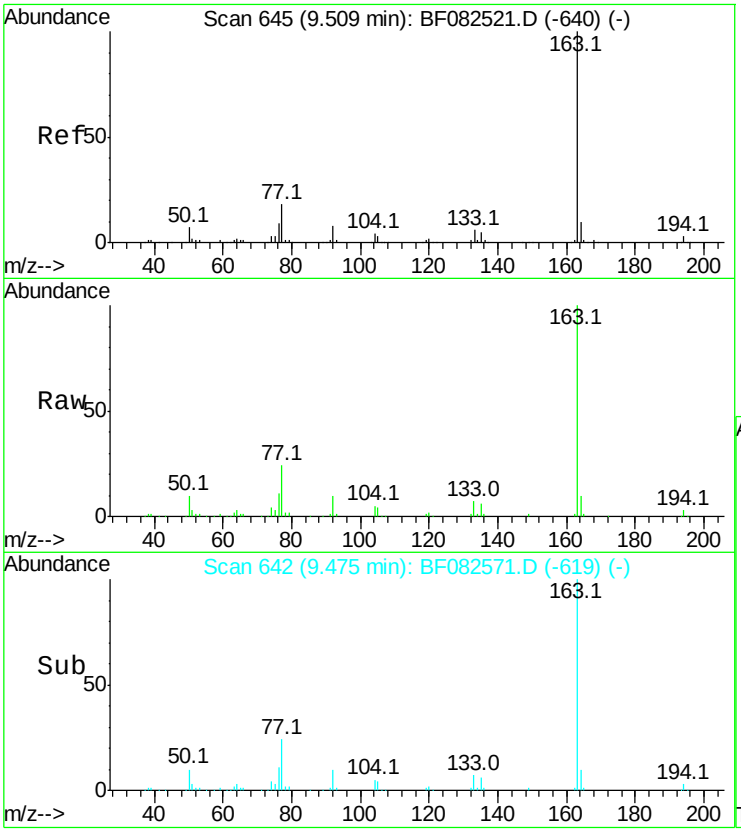


#44
2-Fluorobiphenyl
Concen: 97.88 ng
RT: 9.07 min Scan# 607
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:172 Resp: 947563

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	24.4	19.8	29.6



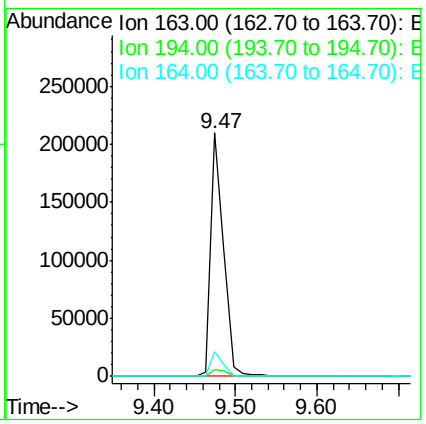


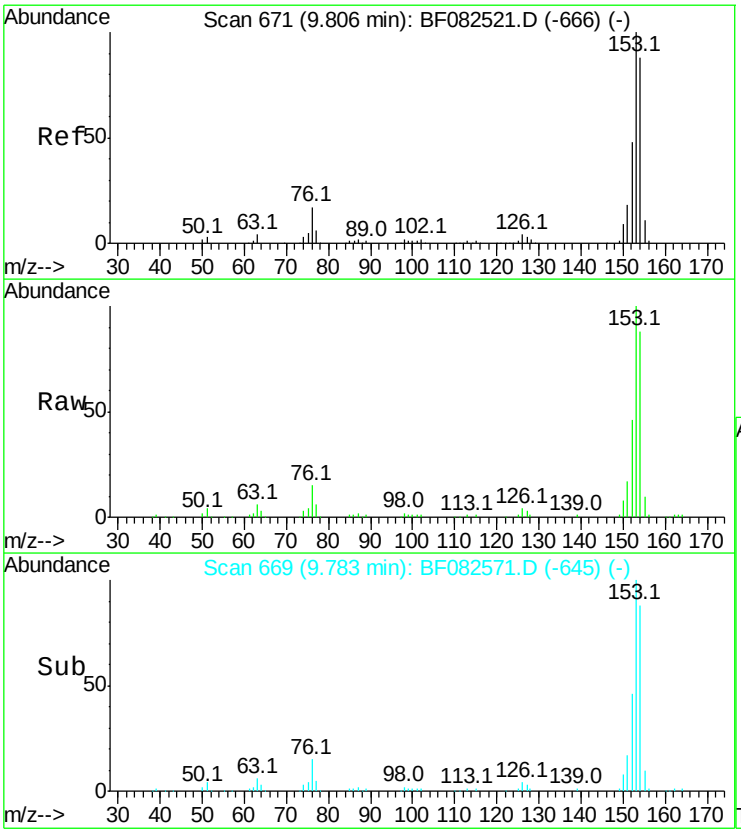
#49
Dimethylphthalate
Concen: 21.71 ng
RT: 9.47 min Scan# 642
Delta R.T. -0.03 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:163 Resp: 232495

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.2	8.2	12.4

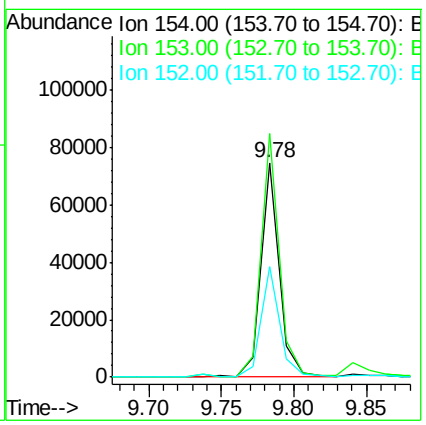


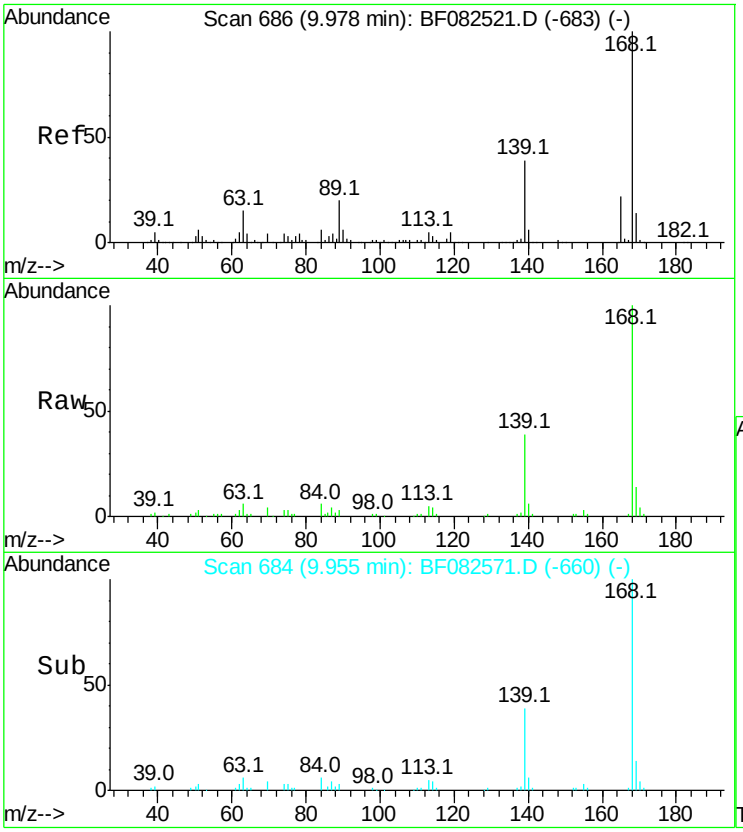


#51
Acenaphthene
Concen: 7.85 ng
RT: 9.78 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:154 Resp: 65103

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.7	136.1
152	51.6	44.0	66.0



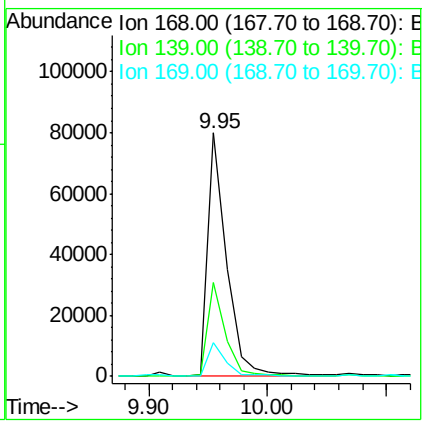


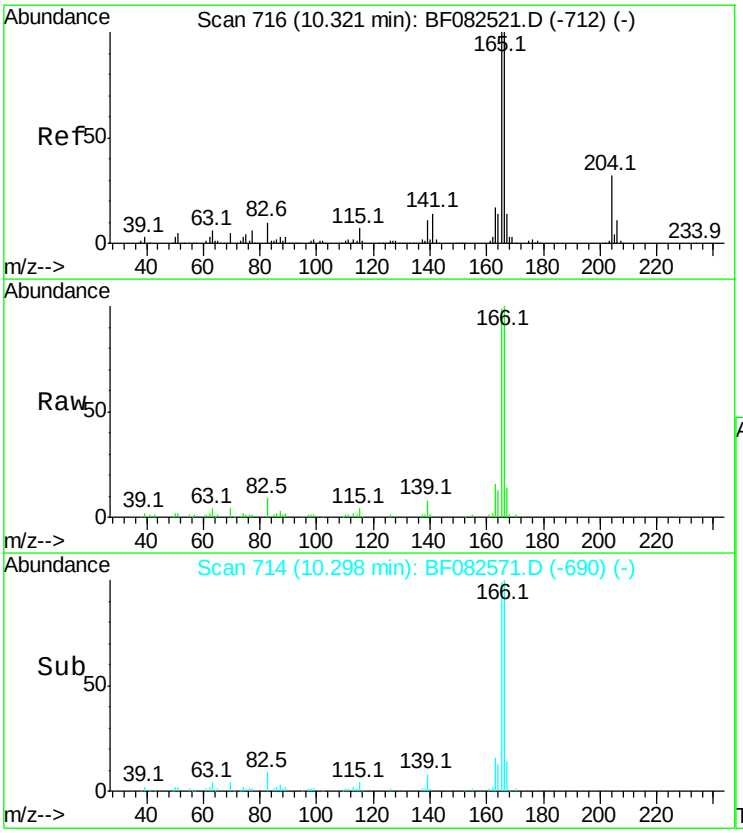
#54
Dibenzofuran
Concen: 7.34 ng
RT: 9.95 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:168 Resp: 88886

Ion	Ratio	Lower	Upper
168	100		
139	38.7	33.0	49.6
169	13.9	11.0	16.4

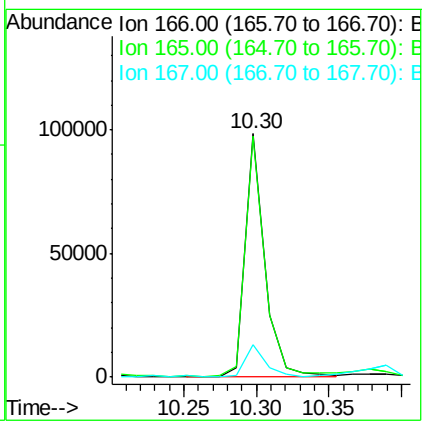


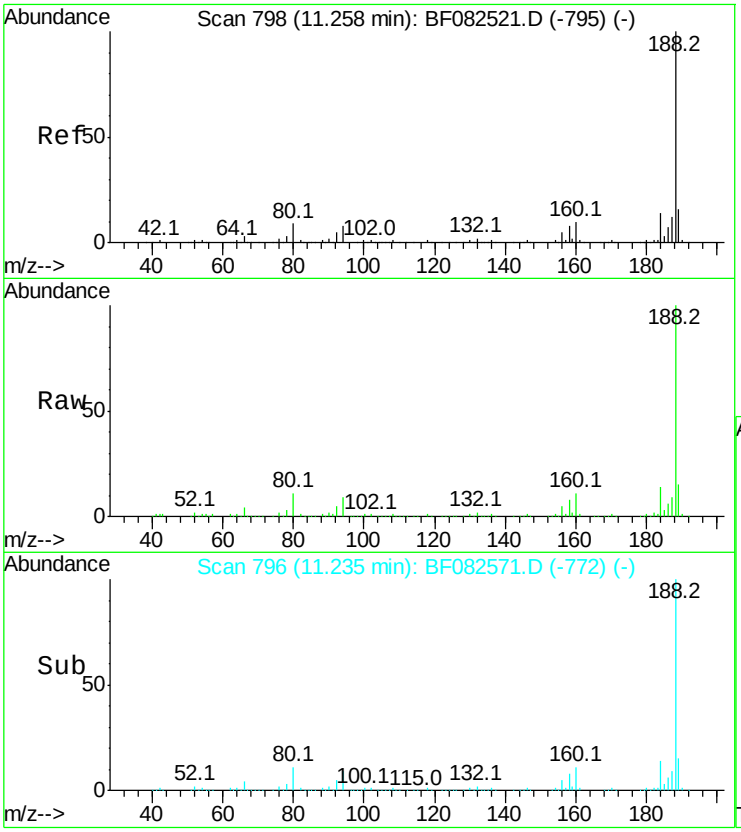


#57
Fluorene
Concen: 9.33 ng
RT: 10.30 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:166 Resp: 92701

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.7	119.5
167	13.6	11.0	16.4



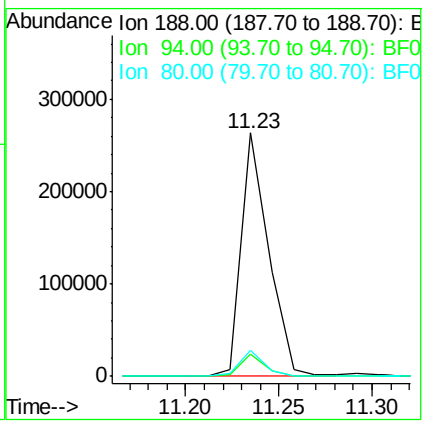


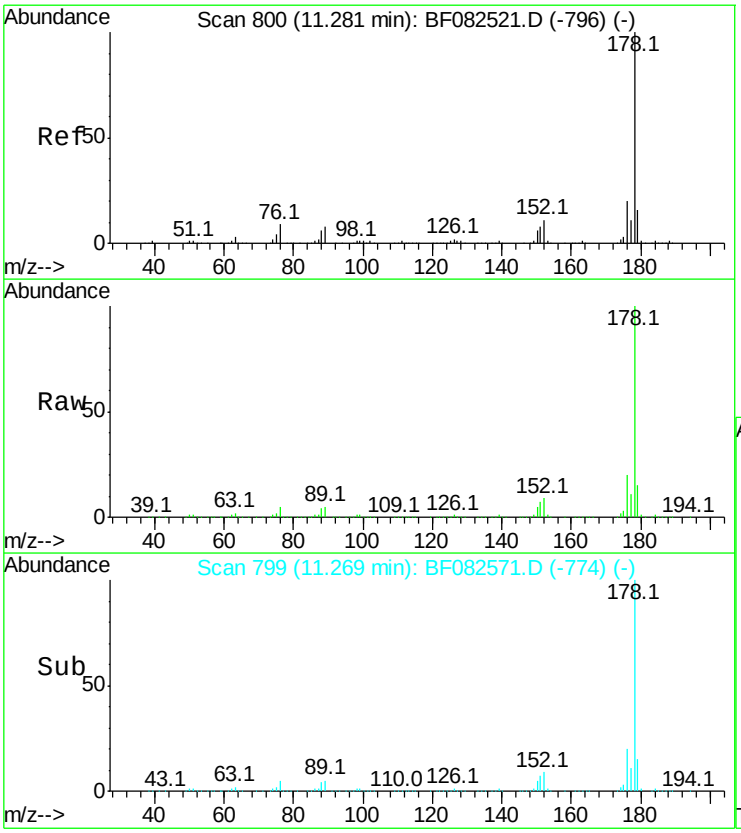
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:188 Resp: 270539

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.4	9.6
80	10.5	7.0	10.6

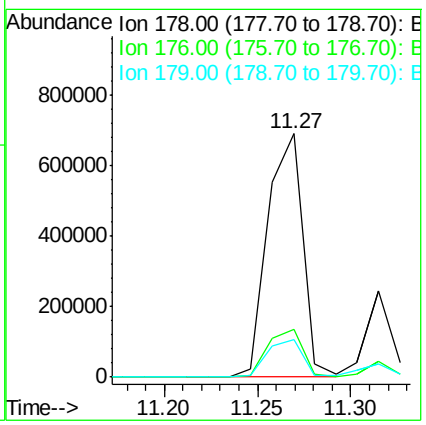


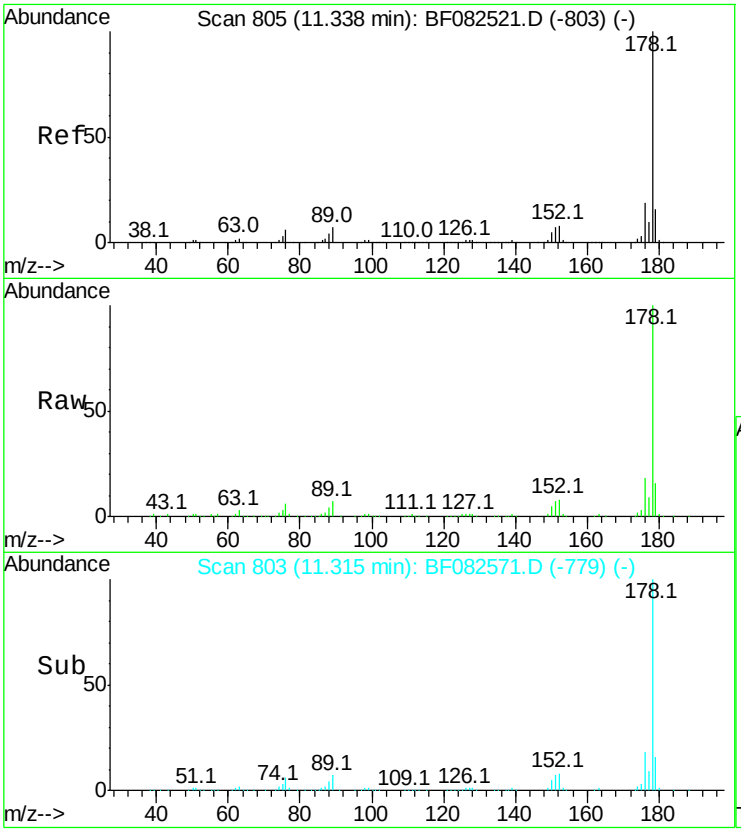


#70
Phenanthrene
Concen: 64.68 ng
RT: 11.27 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:178 Resp: 900588

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.4	12.8	19.2



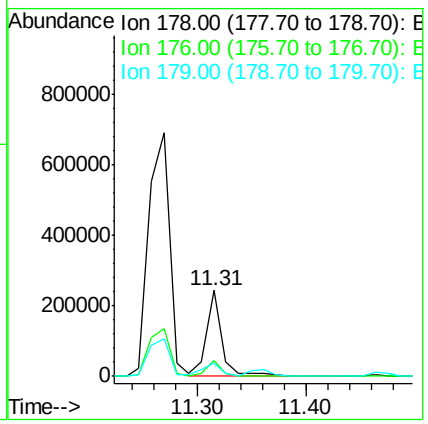


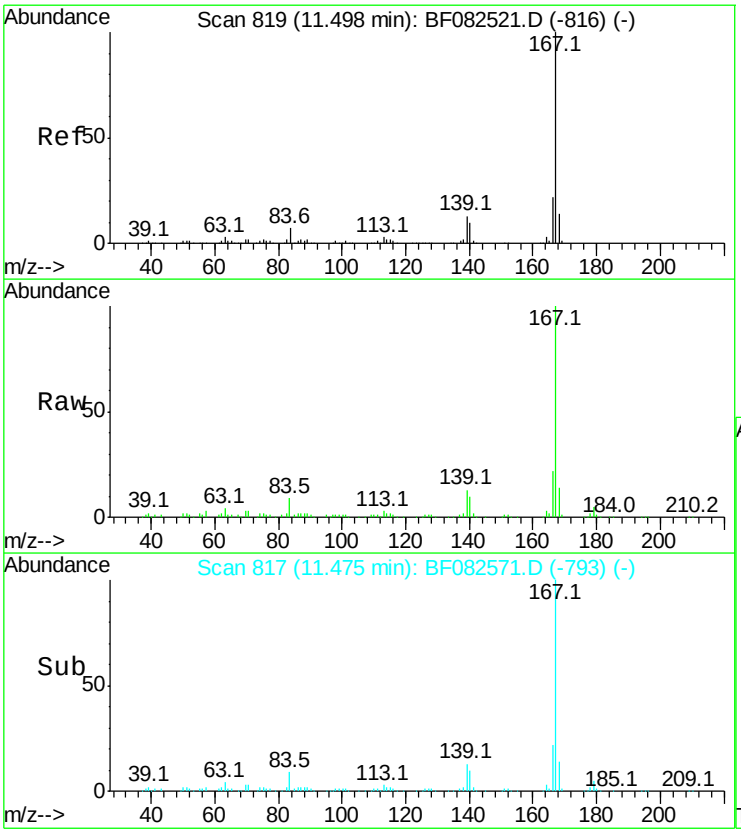
#71
Anthracene
Concen: 17.35 ng
RT: 11.31 min Scan# 803
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:178 Resp: 243241

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.2	22.8
179	15.5	12.6	19.0

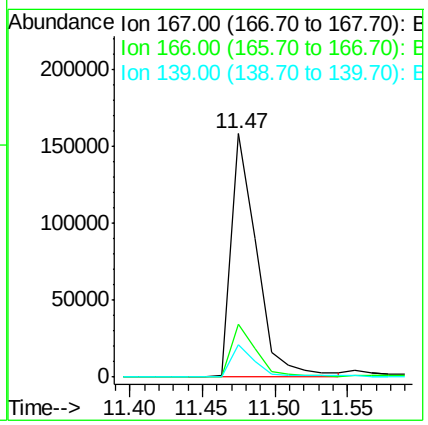


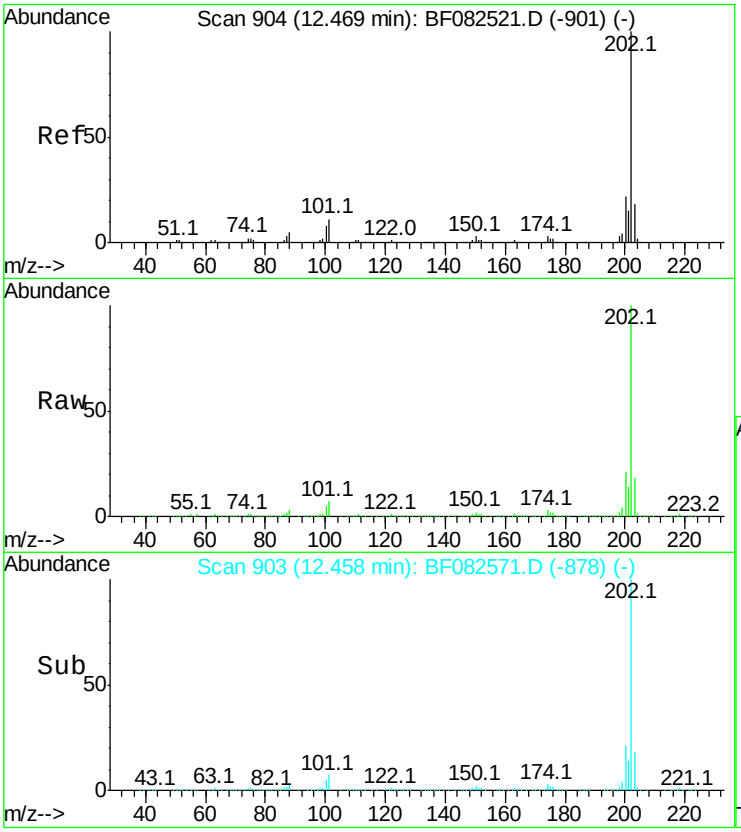


#72
Carbazole
Concen: 15.76 ng
RT: 11.47 min Scan# 817
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:167 Resp: 194918

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.9	26.9
139	13.4	10.4	15.6



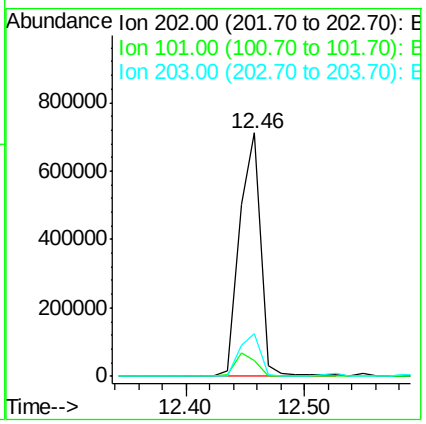


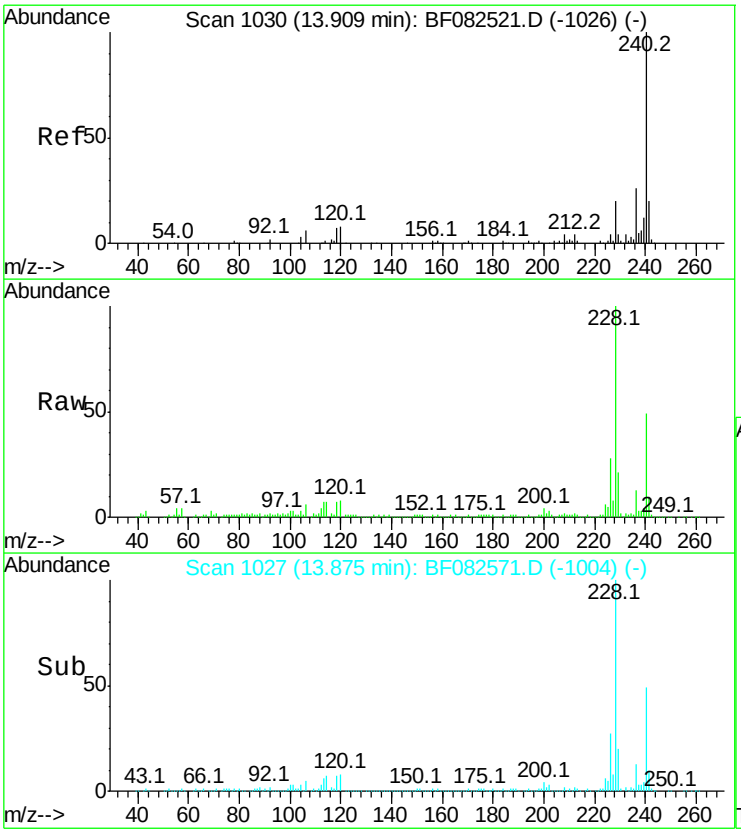
#74
Fluoranthene
Concen: 61.32 ng
RT: 12.46 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:202 Resp: 876395

Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	31.2
203	17.6	0.0	38.1

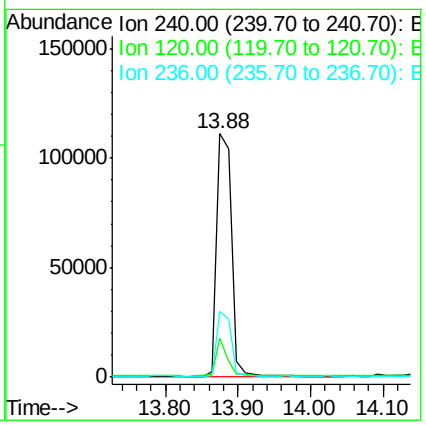


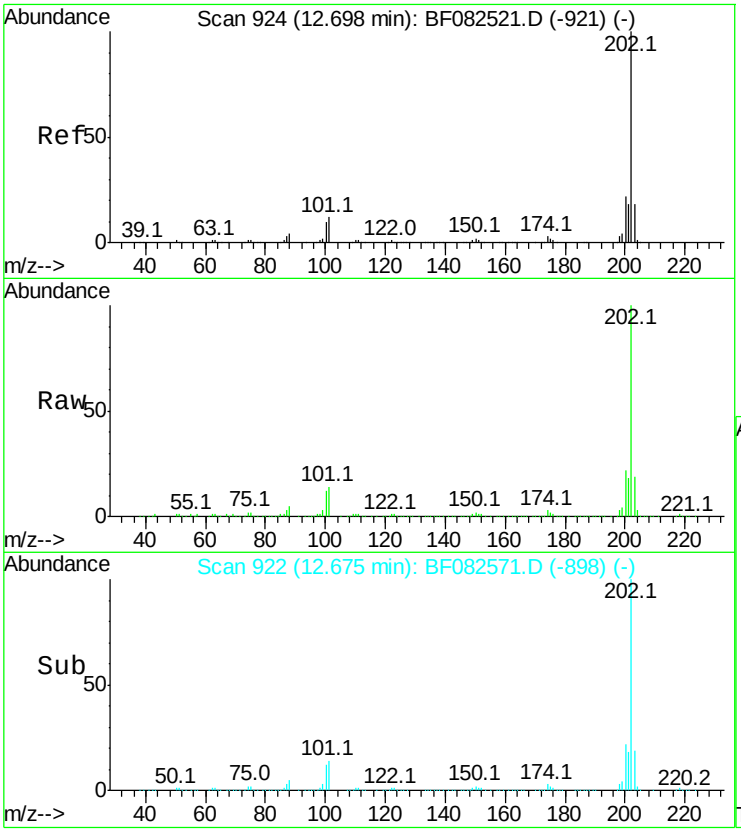


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:240 Resp: 160430

Ion	Ratio	Lower	Upper
240	100		
120	16.1	6.5	9.7#
236	26.9	20.5	30.7



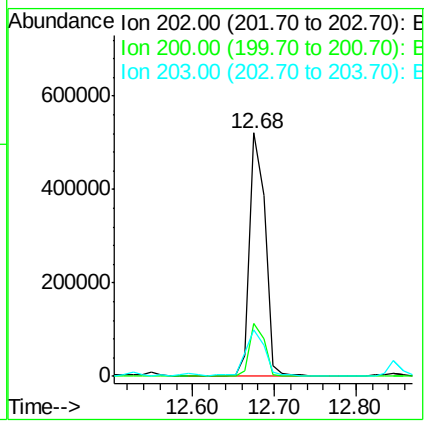


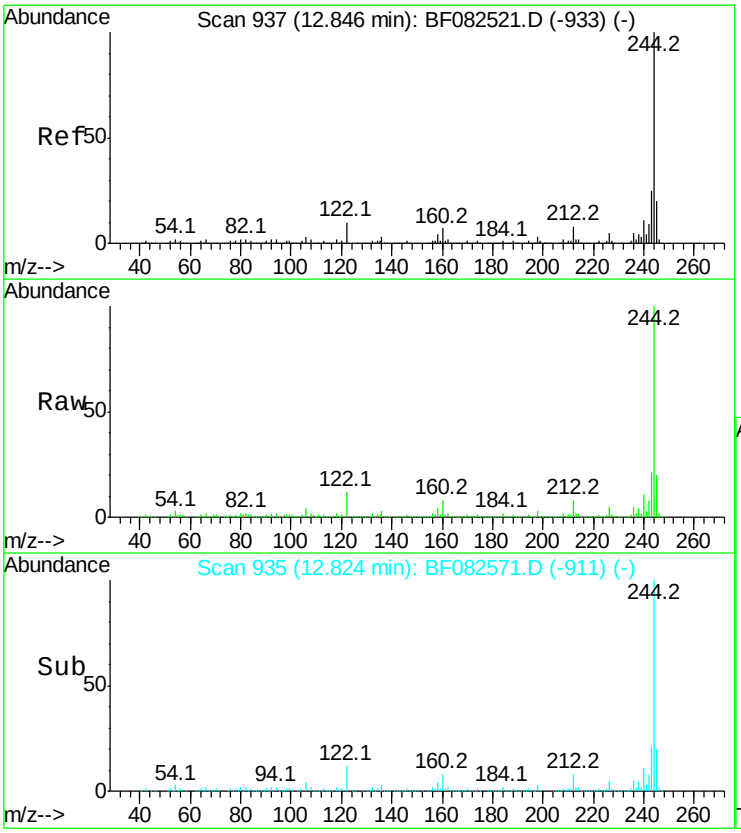
#77
Pyrene
Concen: 68.34 ng
RT: 12.68 min Scan# 922
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:202 Resp: 674351

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.6	26.4
203	19.3	14.6	22.0

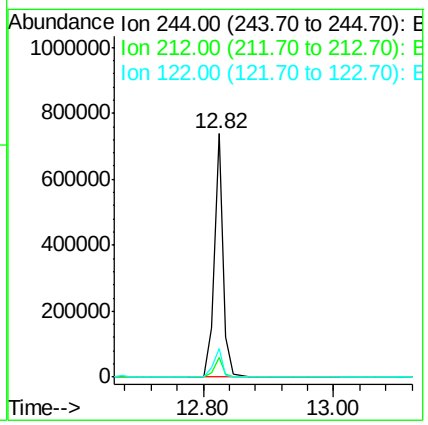


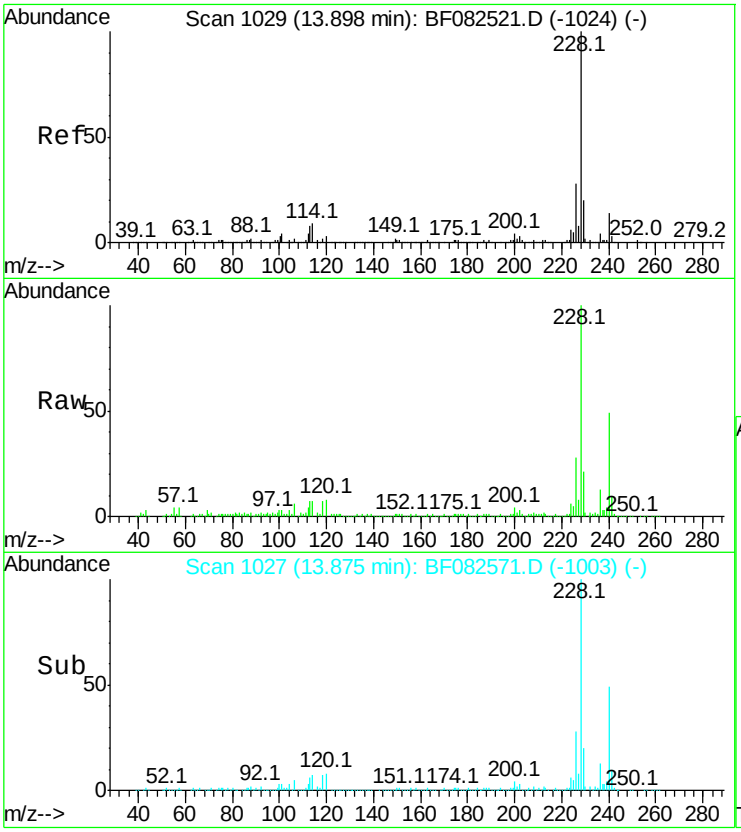


#78
Terphenyl-d14
Concen: 127.80 ng
RT: 12.82 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:244 Resp: 711688

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.4	9.6
122	11.7	8.1	12.1



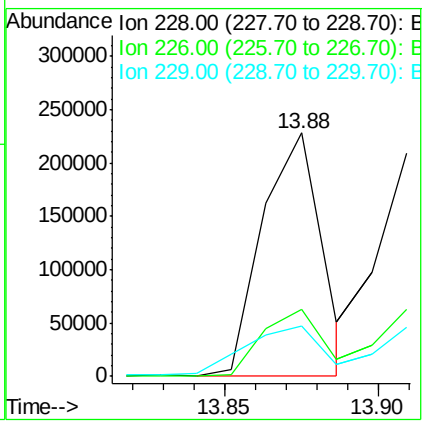


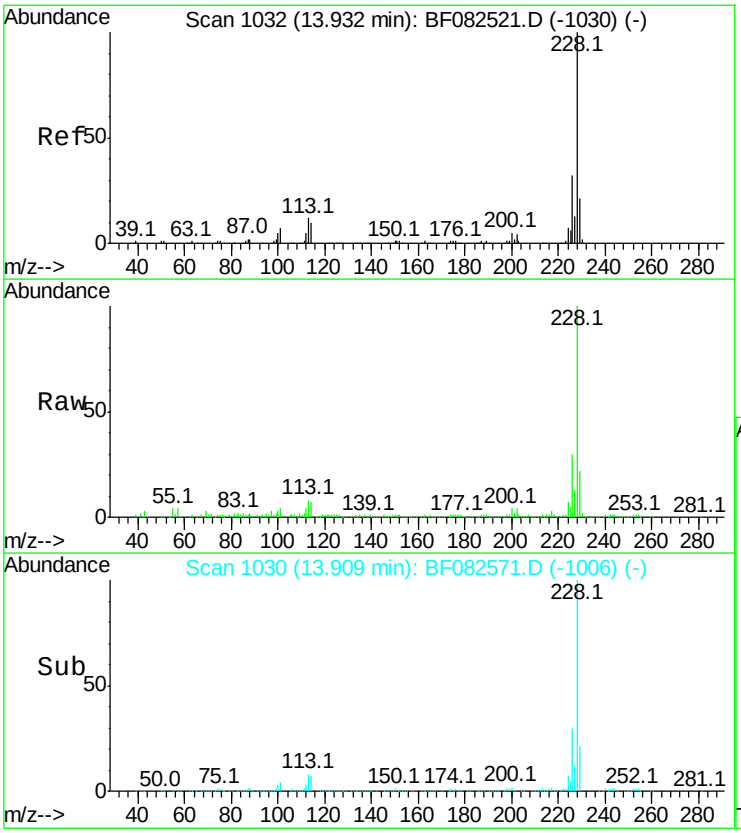
#80
Benzo(a)anthracene
Concen: 35.78 ng m
RT: 13.88 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:228 Resp: 307706

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	20.5	16.1	24.1

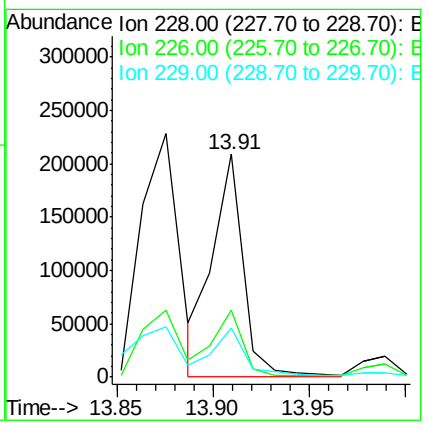


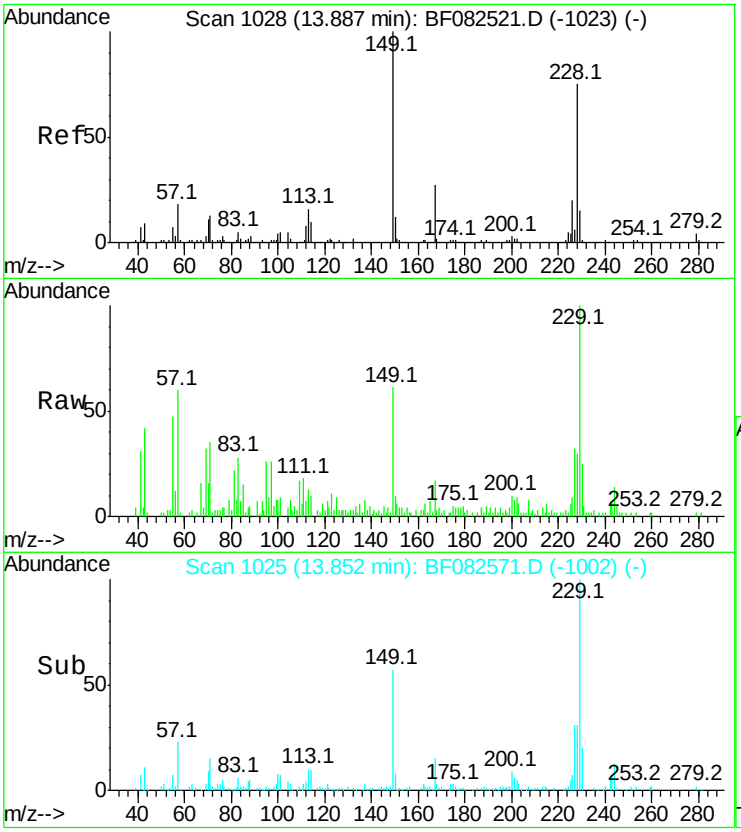


#82
Chrysene
Concen: 29.09 ng m
RT: 13.91 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:228 Resp: 236324

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.2	37.8
229	22.2	16.3	24.5



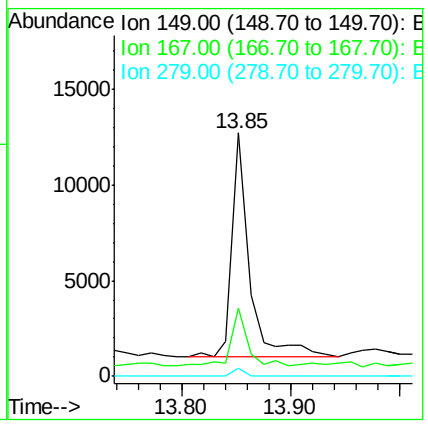


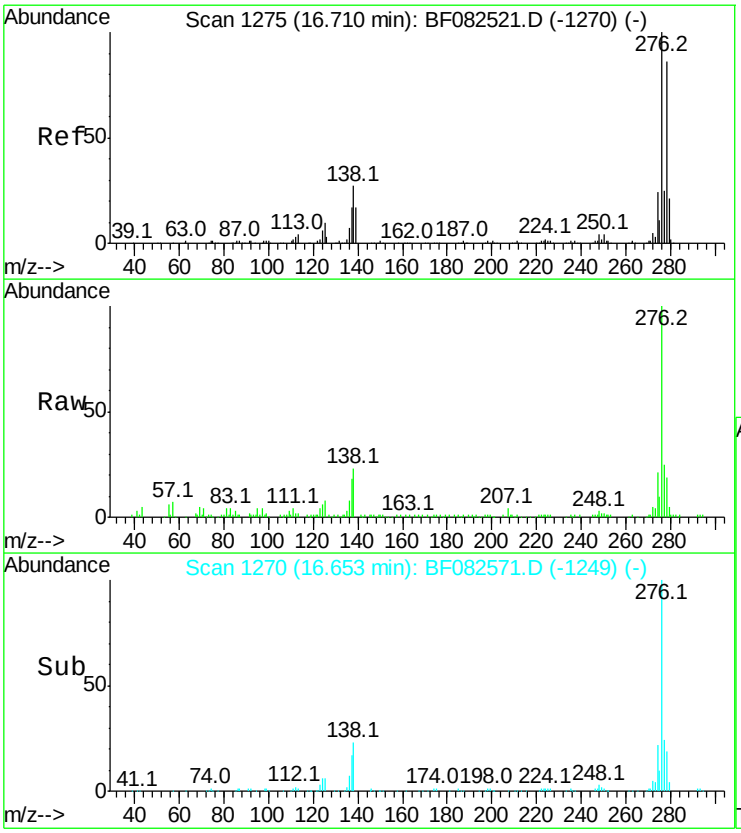
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.34 ng
RT: 13.85 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:149 Resp: 12980

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.8	32.6
279	3.2	3.0	4.6

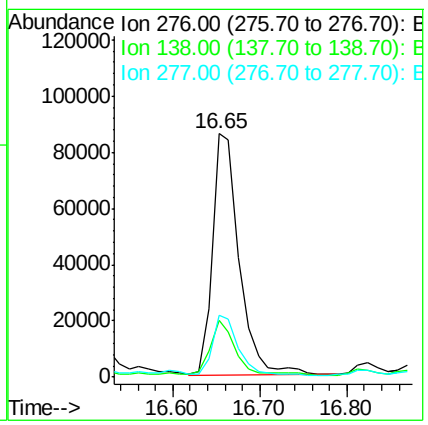


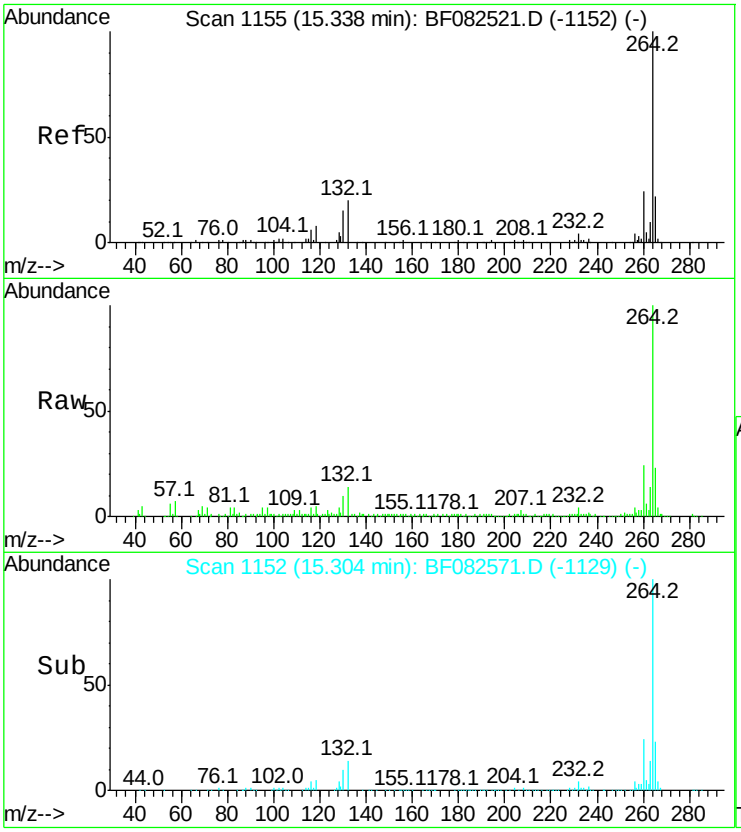


#85
Indeno(1,2,3-cd)pyrene
Concen: 24.84 ng
RT: 16.65 min Scan# 1270
Delta R.T. -0.06 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:276 Resp: 185409

Ion	Ratio	Lower	Upper
276	100		
138	19.9	20.6	30.8#
277	24.3	19.9	29.9



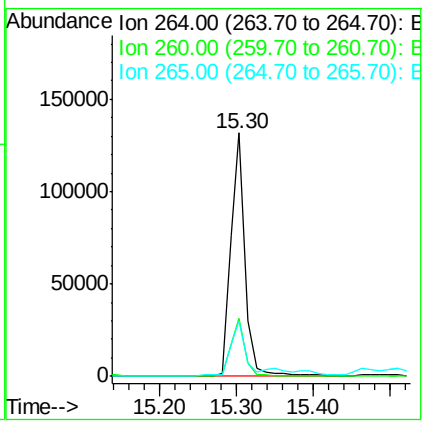


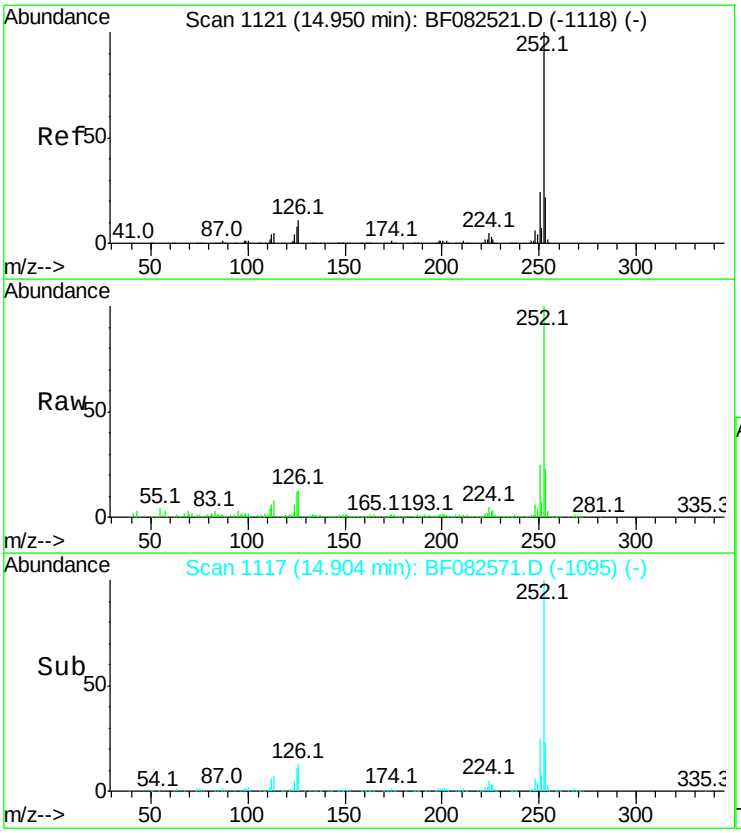
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:264 Resp: 175440

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.7	17.8	26.6

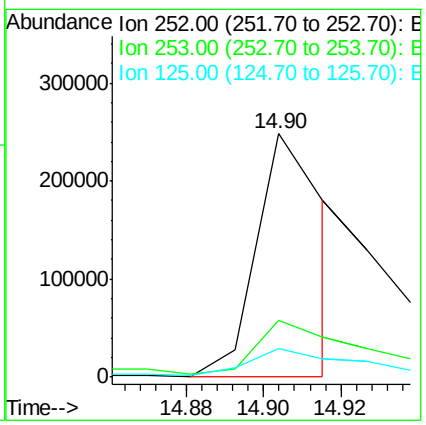


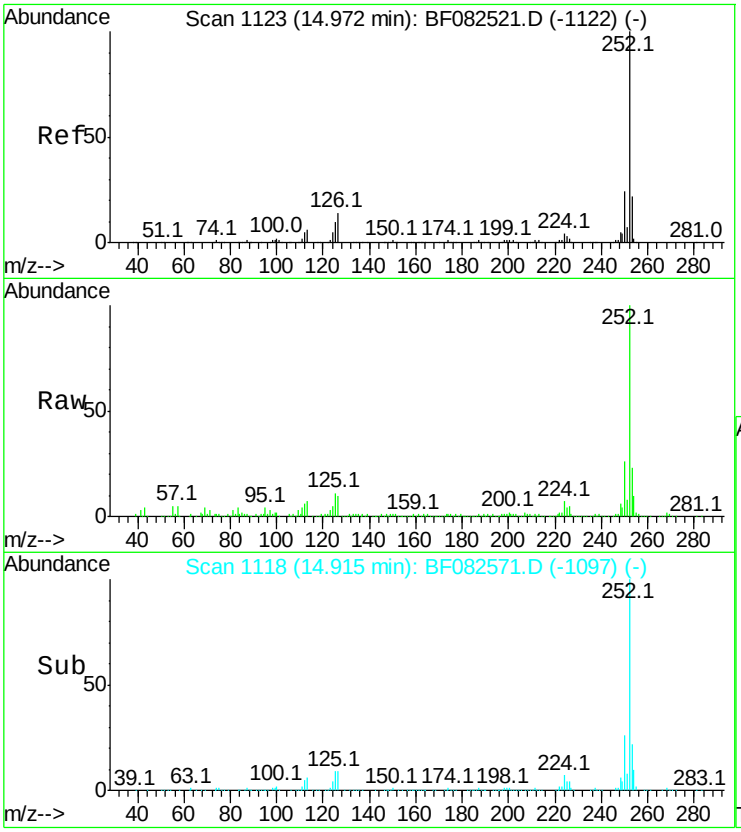


#87
Benzo(b)fluoranthene
Concen: 30.05 ng m
RT: 14.90 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:252 Resp: 313079

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.5	6.6	10.0#



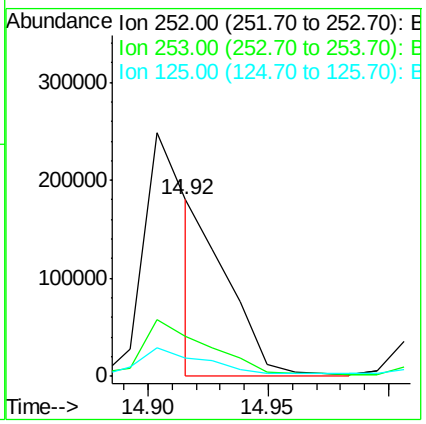


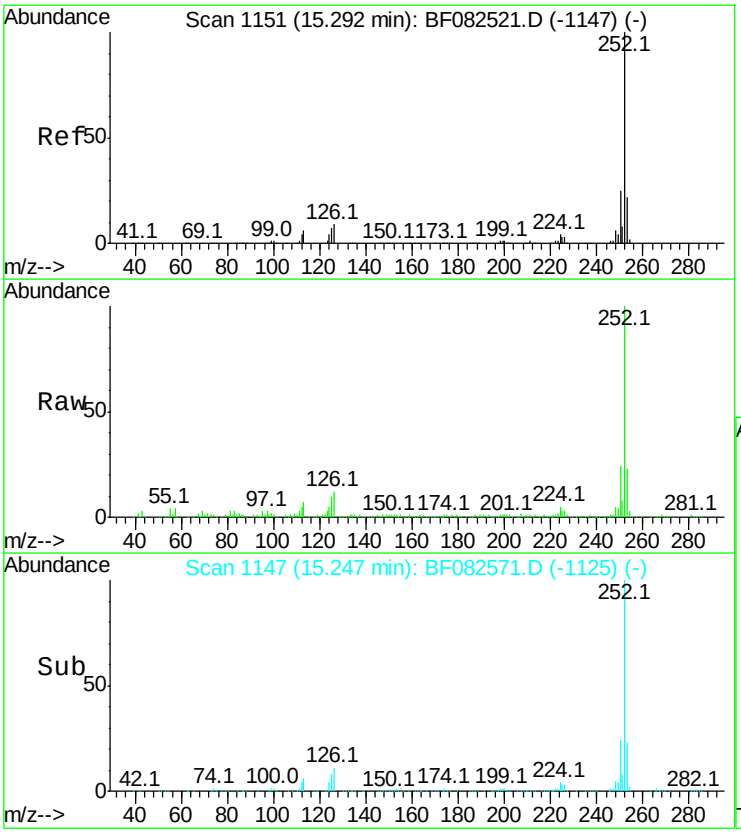
#88
Benzo(k)fluoranthene
Concen: 18.33 ng m
RT: 14.92 min Scan# 1118
Delta R.T. -0.06 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:252 Resp: 155724

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.5	8.7	13.1

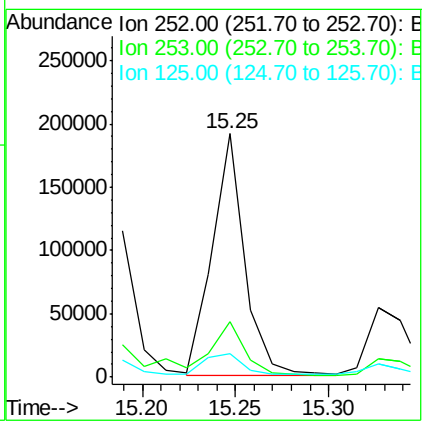


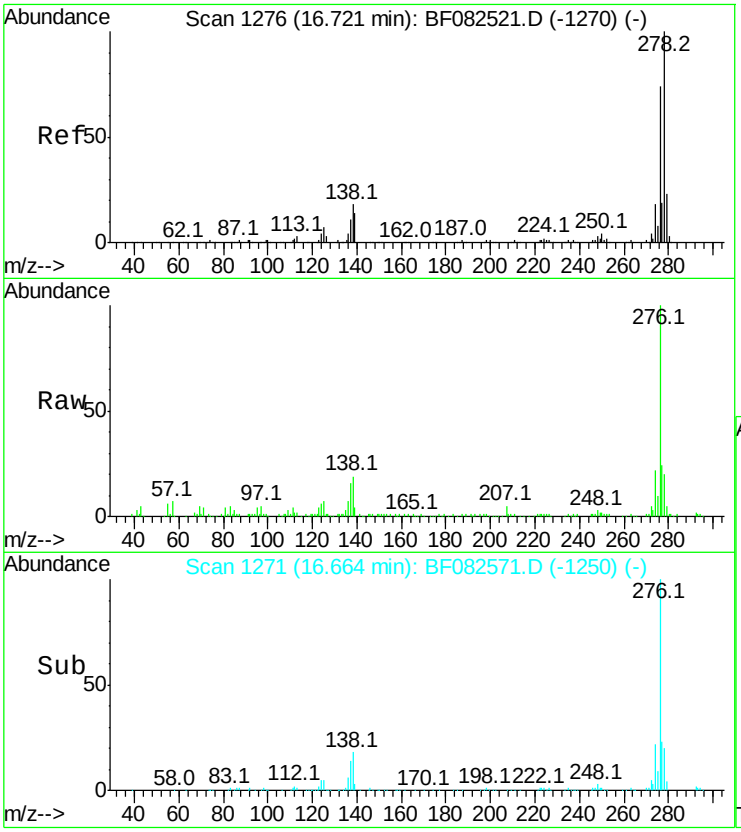


#89
Benzo(a)pyrene
Concen: 25.72 ng
RT: 15.25 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:252 Resp: 232120

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	9.6	5.9	8.9#



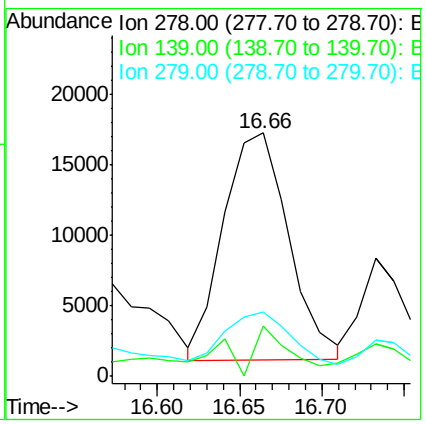


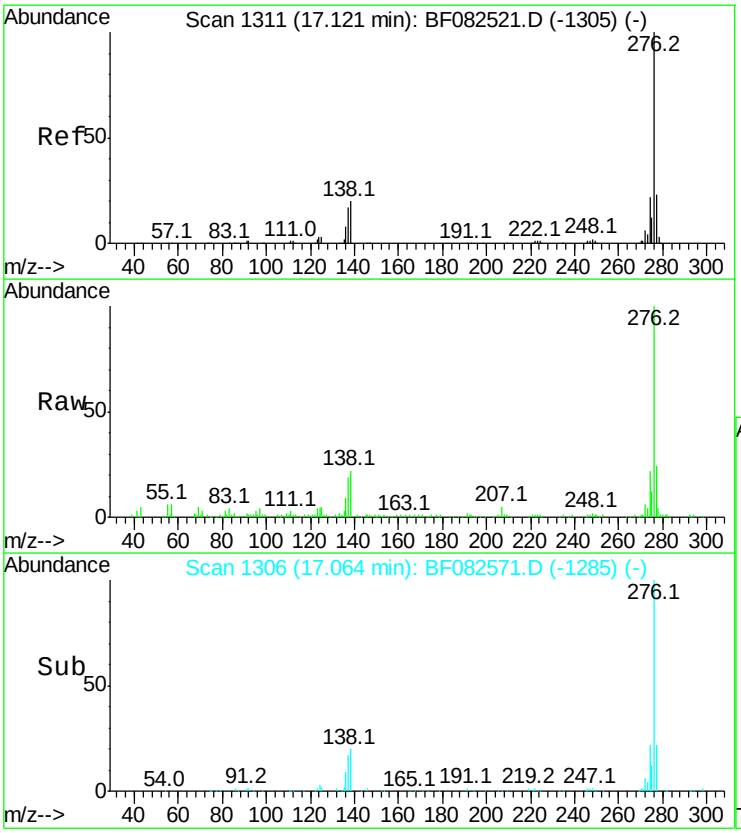
#90
Dibenzo(a,h)anthracene
Concen: 5.90 ng m
RT: 16.66 min Scan# 1271
Delta R.T. -0.06 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Instrument :
BNA_F
ClientSampleId :
S4-BOILERROOM2.5FTDEEP

Tgt Ion:278 Resp: 44543

Ion	Ratio	Lower	Upper
278	100		
139	20.7	11.6	17.4#
279	26.4	18.7	28.1





#91
Benzo(g,h,i)perylene
Concen: 22.97 ng
RT: 17.06 min Scan# 1306
Delta R.T. -0.06 min
Lab File: BF082571.D
Acq: 28 Oct 2015 3:37

Tgt Ion:276 Resp: 171598

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.3	27.5
138	21.9	16.0	24.0