Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-2

Quant Time: Jul 24 04:46:12 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 24 01:01:51 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	37329	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	141559	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	61778	20.00	ng		0.00
63) Phenanthrene-d10	11.48	188	110787	20.00	ng		0.00
75) Chrysene-d12	14.24	240	107259	20.00	ng		0.06
86) Perylene-d12	15.86	264	152017	20.00	ng		0.11
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	308834	142.90	ng		0.01
7) Phenol-d6	6.56	99	414509	156.89	ng		0.00
23) Nitrobenzene-d5	7.50	82	261244	104.57	ng		0.00
41) 2,4,6-Tribromophenol	10.78	330	67835	138.58	ng		0.01
44) 2-Fluorobiphenyl	9.31	172	401561	94.31	ng		0.00
78) Terphenyl-d14	13.09	244	340449	66.42	ng		0.02
Target Compounds							Qvalue
15) Benzyl Alcohol	7.10	79	5483	2.35	ng	#	49
19) n-Nitroso-di-n-propylamine	7.50	70	36245	20.25	ng	#	78
25) Isophorone	7.50	82	245778	53.12	ng	#	66
30) 1,2,4-Trichlorobenzene	8.18	180	7285	3.25	ng		98
31) Naphthalene	8.26	128	14990	2.12	ng		98
37) 2-Methylnaphthalene	9.05	142	18559	4.68	ng		93
48) Acenaphthylene	9.85	152	15883	2.64	ng	#	93
49) Dimethylphthalate	9.71	163	86009	18.92	ng	#	98
51) Acenaphthene	10.03	154	19584	5.41	ng		95
54) Dibenzofuran	10.20	168	19144	3.66	ng		99
55) 4-Nitrophenol	10.20	139	7896	11.82	ng	#	1
57) Fluorene	10.54	166	26329	6.27	ng		96
66) 4-Bromophenyl-phenylether	10.77	248	5127	4.55	ng	#	1
70) Phenanthrene	11.50	178	463900	74.18	ng		99
71) Anthracene	11.55	178	86478	14.77	ng		99
72) Carbazole	11.71	167	24154	4.77	ng		95
74) Fluoranthene	12.70	202	393682	70.35	ng		95
77) Pyrene	12.93	202	389306	54.10	ng		98
79) Butylbenzylphthalate	13.83	149	426	5.46	ng	#	82
80) Benzo(a)anthracene	14.23	228	185790	30.72	ng		97
81) 3,3'-Dichlorobenzidine	14.18	252	25867	14.96	ng	#	96
82) Chrysene	14.26	228	150279	24.98	ng		96
84) Di-n-octyl phthalate	14.93	149	1023	6.11	ng	#	1
85) Indeno(1,2,3-cd)pyrene	17.37	276	142823	31.38	ng	#	90
87) Benzo(b)fluoranthene	15.43	252	320178	34.63	ng	#	97
88) Benzo(k)fluoranthene	15.43	252	320178	34.80	ng		99
89) Benzo(a)pyrene	15.73	252	134297	16.37	ng		95
90) Dibenzo(a,h)anthracene	17.38	278	30510	3.94	ng		99
91) Benzo(g,h,i)perylene	18.05	276	26292	3.32	ng		94

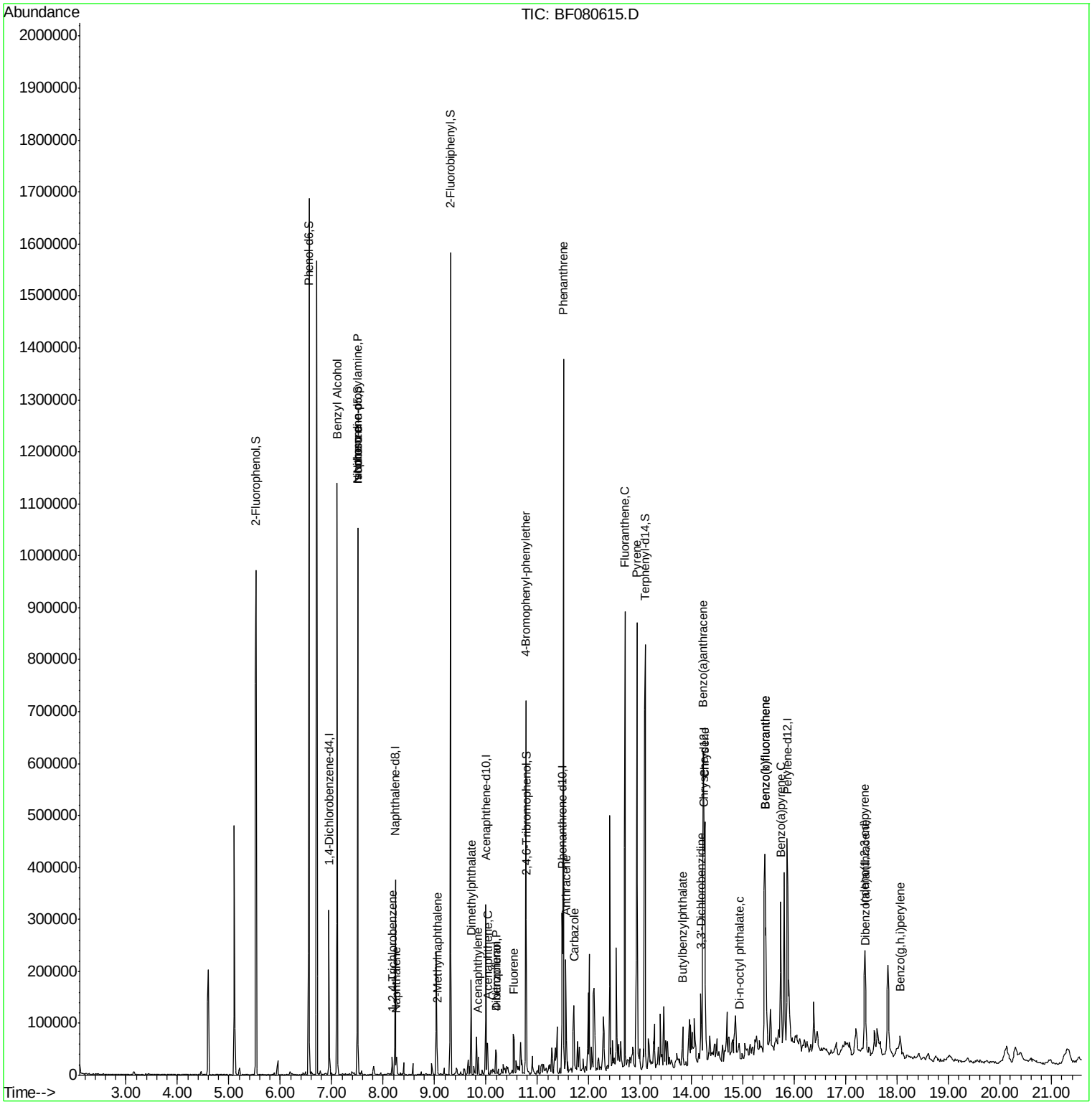
(#) = qualifier out of range (m) = manual integration (+) = signals summed

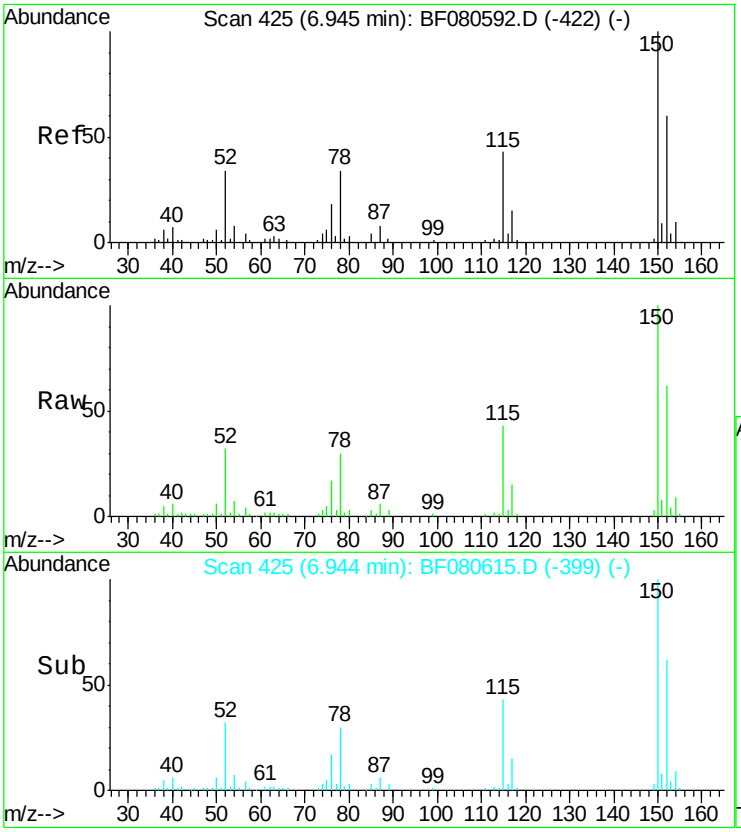
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
Data File : BF080615.D
Acq On : 24 Jul 2015 3:00
Operator : TP/UM
Sample : G3070-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Quant Time: Jul 24 04:46:12 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 24 01:01:51 2015
Response via : Initial Calibration



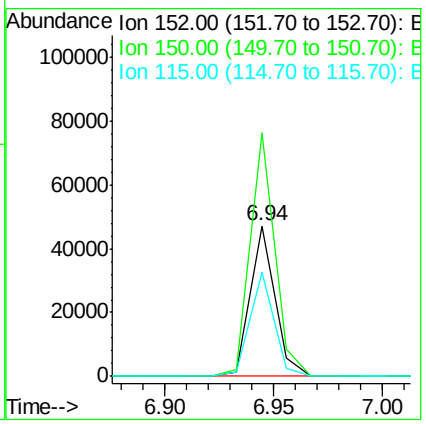


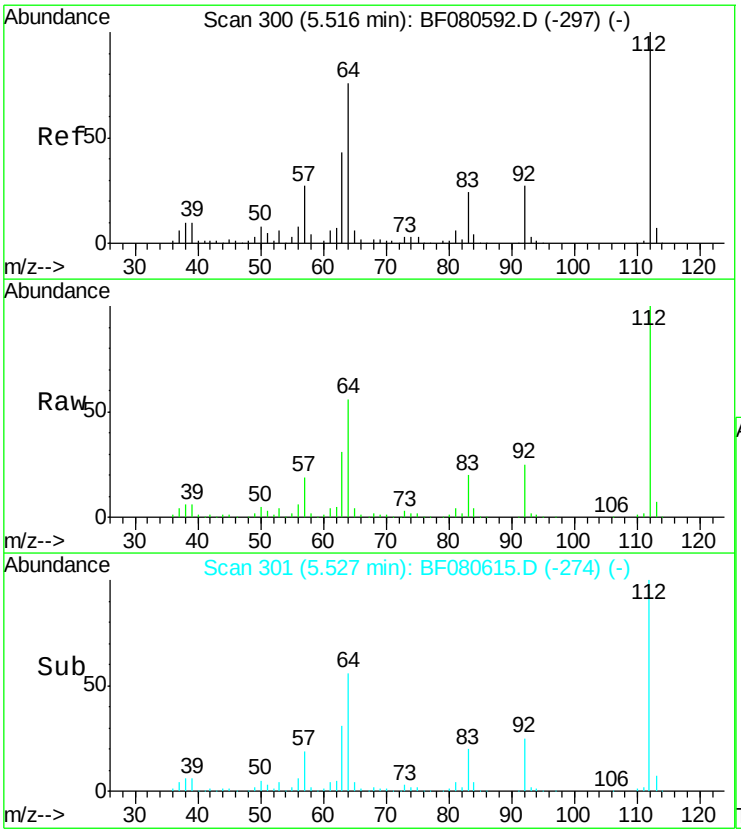
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:152 Resp: 37329

Ion	Ratio	Lower	Upper
152	100		
150	161.5	128.7	193.1
115	69.0	56.8	85.2

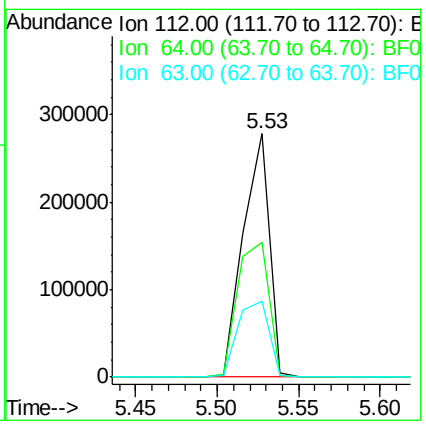


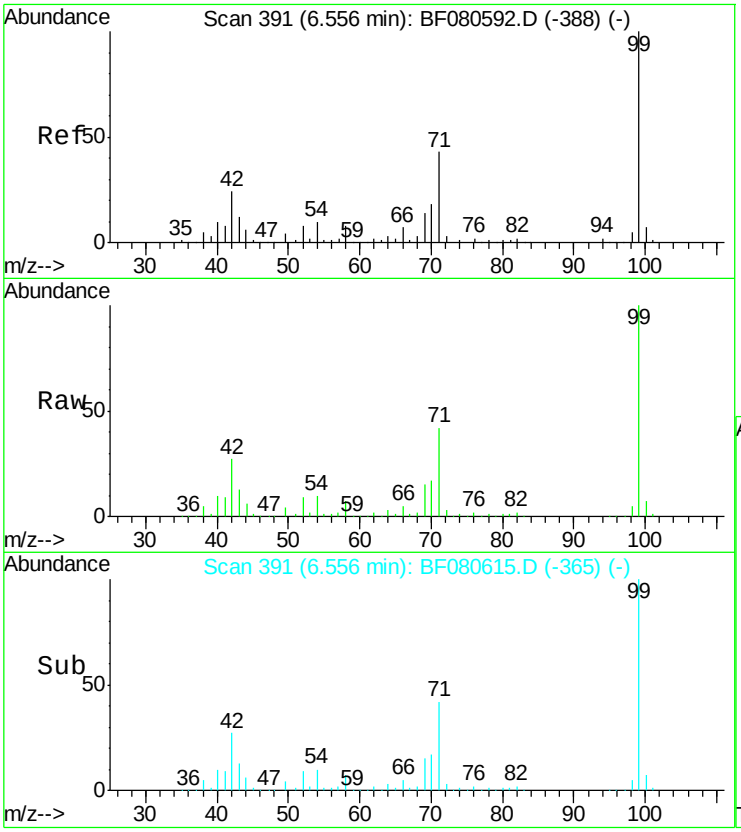


#5
2-Fluorophenol
Concen: 142.90 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:112 Resp: 308834

Ion	Ratio	Lower	Upper
112	100		
64	55.6	60.2	90.2#
63	31.2	34.8	52.2#



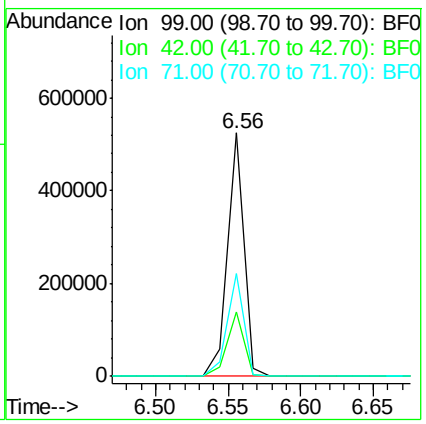


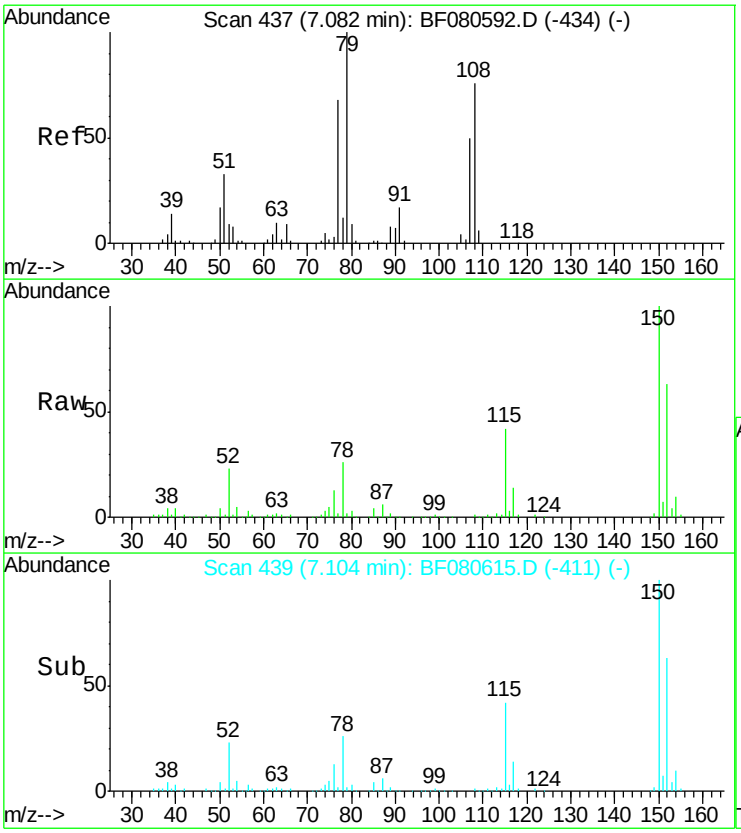
#7
Phenol-d6
Concen: 156.89 ng
RT: 6.56 min Scan# 391
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion: 99 Resp: 414509

Ion	Ratio	Lower	Upper
99	100		
42	26.5	17.4	26.2#
71	42.2	29.0	43.6

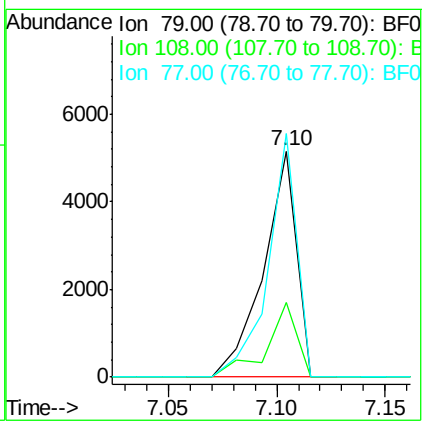


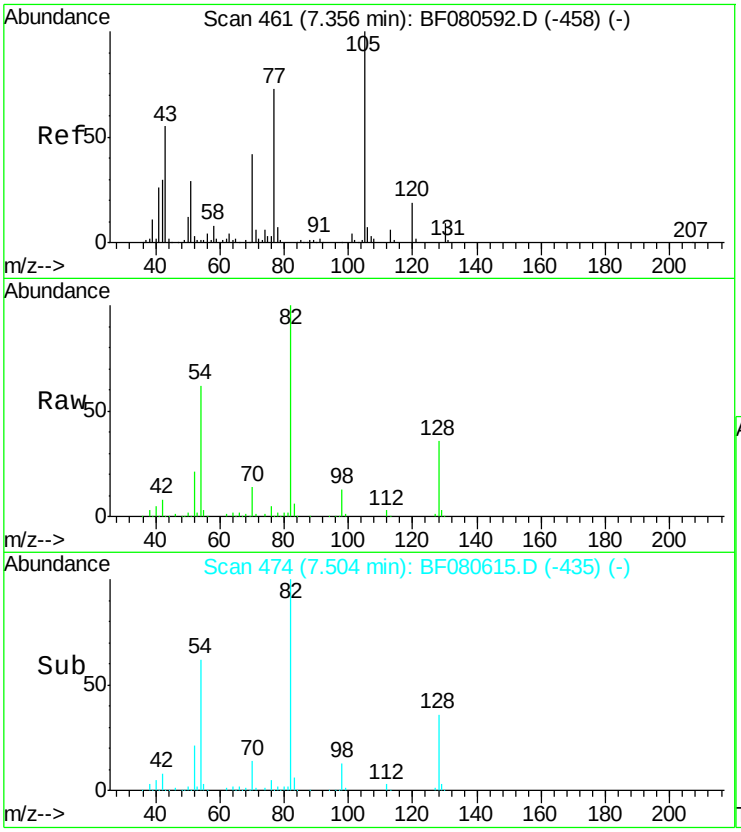


#15
Benzyl Alcohol
Concen: 2.35 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.02 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion: 79 Resp: 5483

Ion	Ratio	Lower	Upper
79	100		
108	32.9	61.5	92.3#
77	107.8	53.6	80.4#



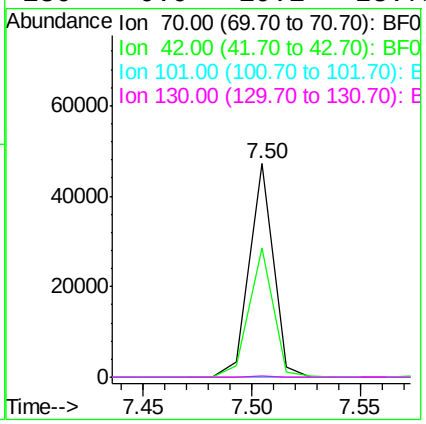


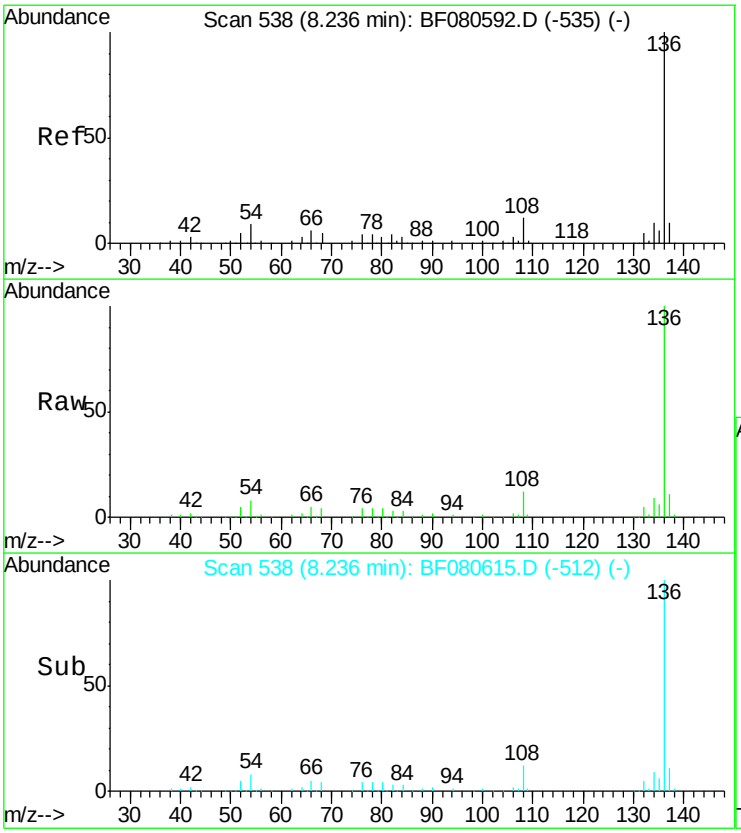
#19
n-Nitroso-di-n-propylamine
Concen: 20.25 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.15 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion: 70 Resp: 36245

Ion	Ratio	Lower	Upper
70	100		
42	60.4	56.6	85.0
101	0.0	9.7	14.5#
130	0.9	19.1	28.7#

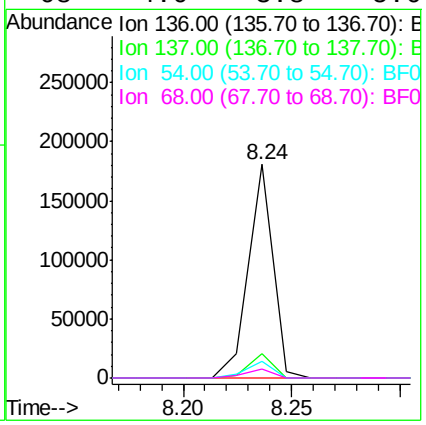


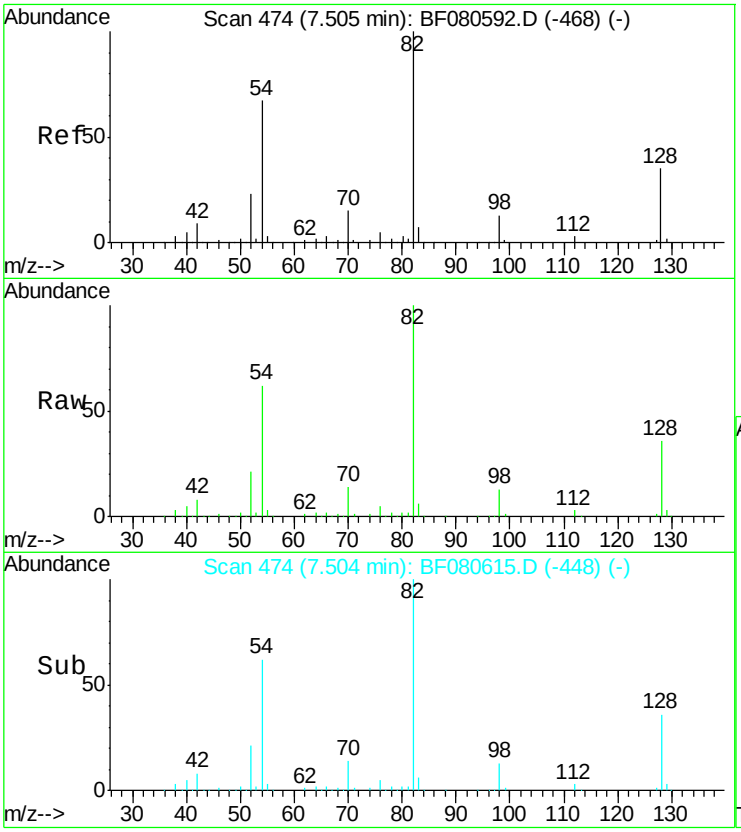


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:136 Resp: 141559

Ion	Ratio	Lower	Upper
136	100		
137	11.3	7.8	11.8
54	7.7	7.2	10.8
68	4.0	3.8	5.6



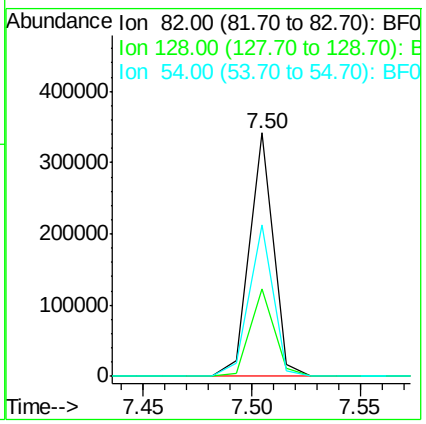


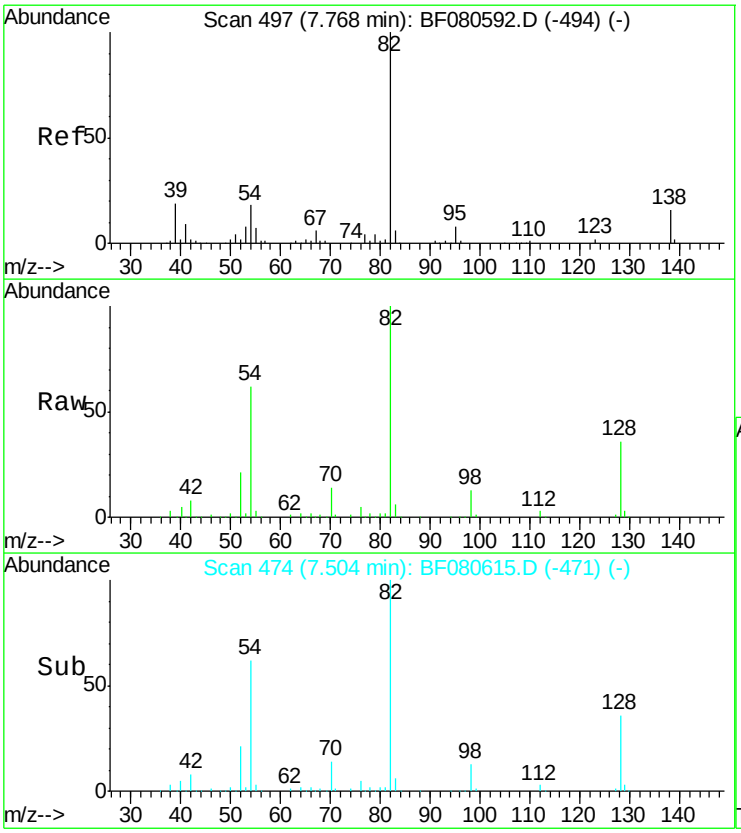
#23
Nitrobenzene-d5
Concen: 104.57 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion: 82 Resp: 261244

Ion	Ratio	Lower	Upper
82	100		
128	36.1	28.9	43.3
54	62.4	54.5	81.7

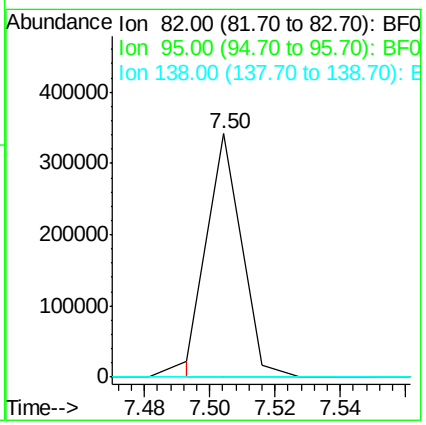


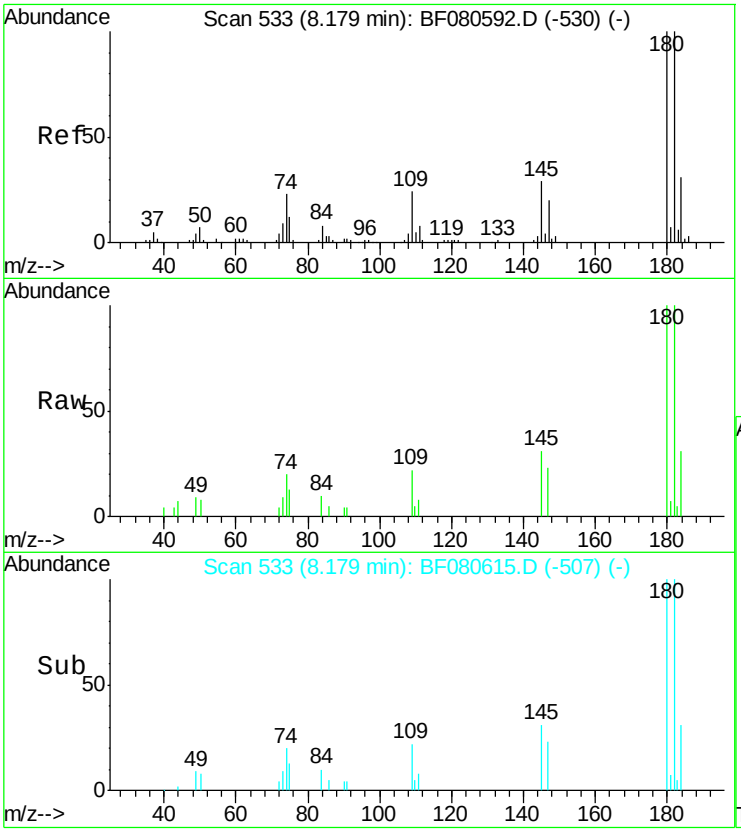


#25
Isophorone
Concen: 53.12 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.26 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion: 82 Resp: 245778

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	13.4	20.2#



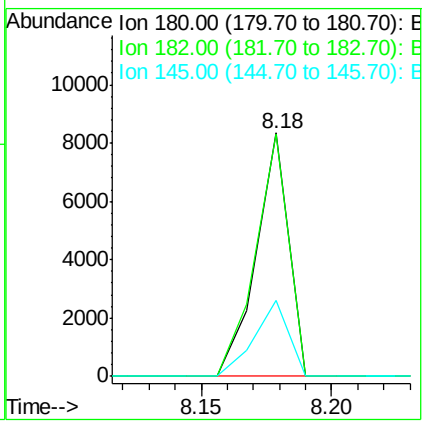


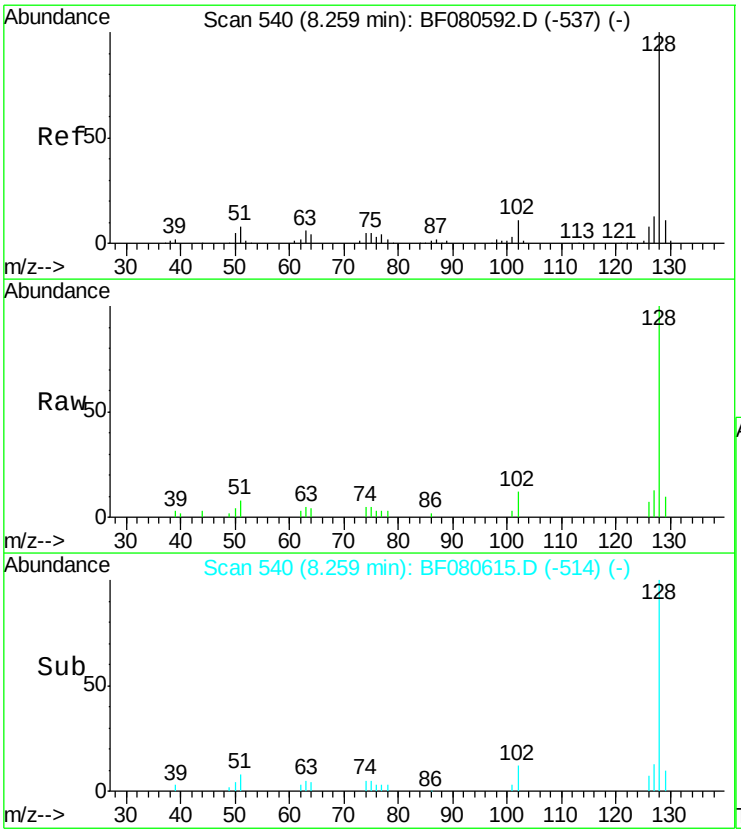
#30
1,2,4-Trichlorobenzene
Concen: 3.25 ng
RT: 8.18 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:180 Resp: 7285

Ion	Ratio	Lower	Upper
180	100		
182	99.6	79.0	118.4
145	31.4	22.0	33.0

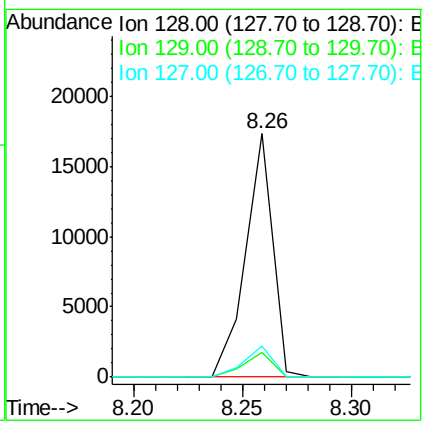


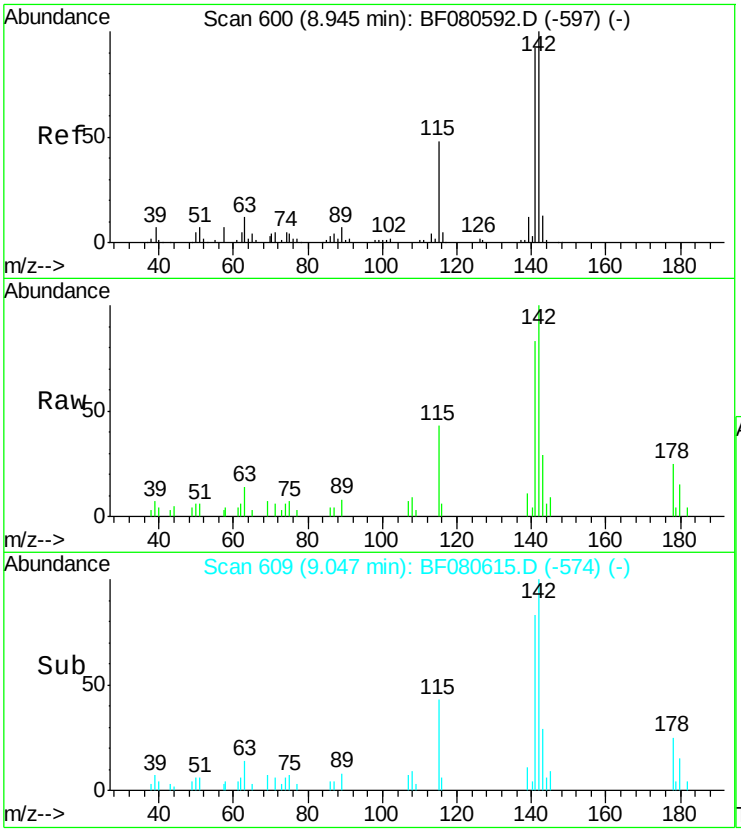


#31
Naphthalene
Concen: 2.12 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:128 Resp: 14990

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	13.0
127	12.6	10.7	16.1



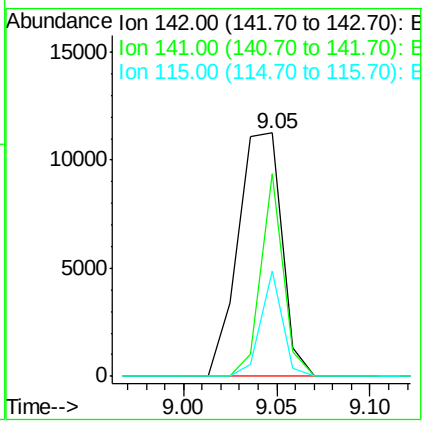


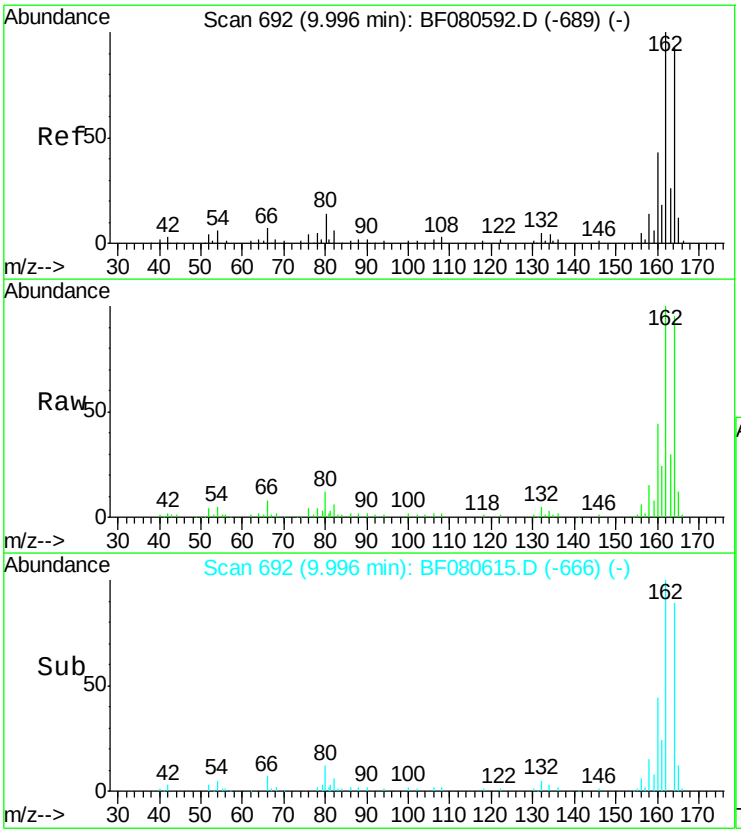
#37
2-Methylnaphthalene
Concen: 4.68 ng
RT: 9.05 min Scan# 609
Delta R.T. 0.10 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:142 Resp: 18559

Ion	Ratio	Lower	Upper
142	100		
141	83.5	72.6	109.0
115	43.3	38.2	57.2

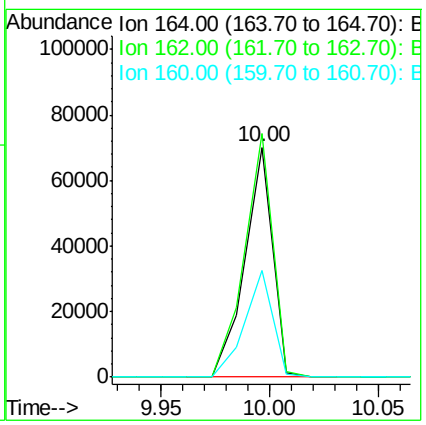


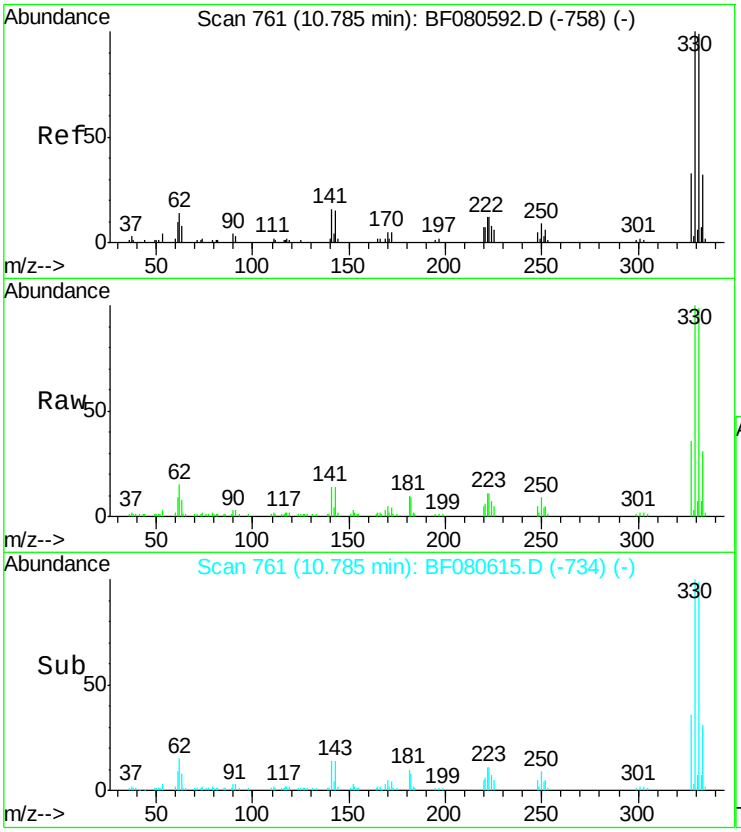


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 692
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:164 Resp: 61778

Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.2	123.4
160	46.6	36.1	54.1



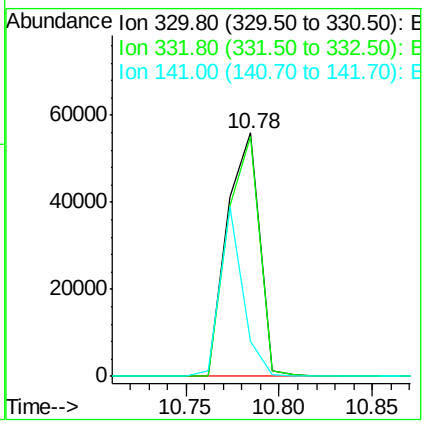


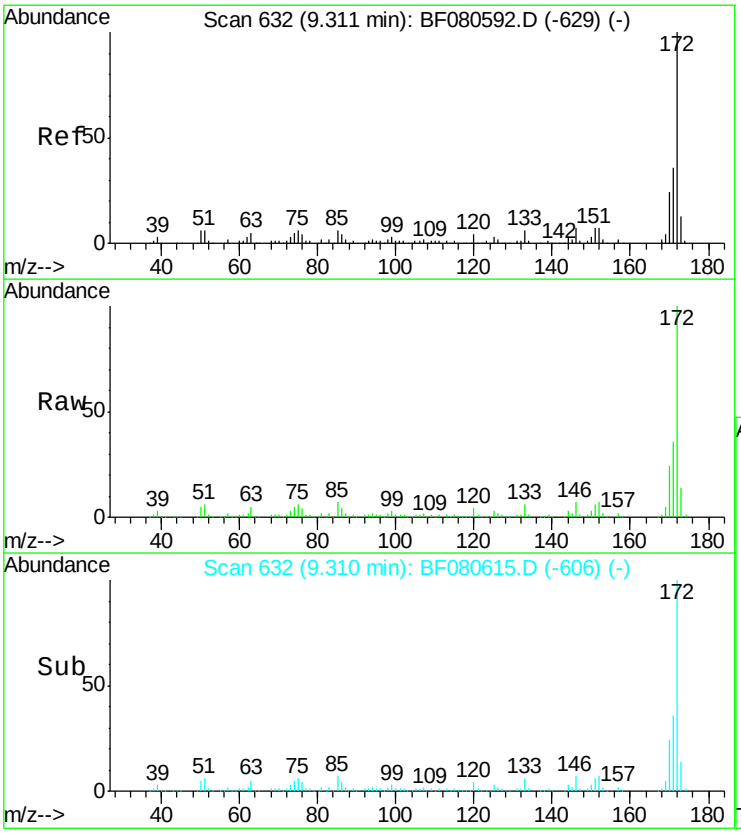
#41
2,4,6-Tribromophenol
Concen: 138.58 ng
RT: 10.78 min Scan# 761
Delta R.T. 0.01 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:330 Resp: 67835

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.3	117.5
141	49.0	37.9	56.9

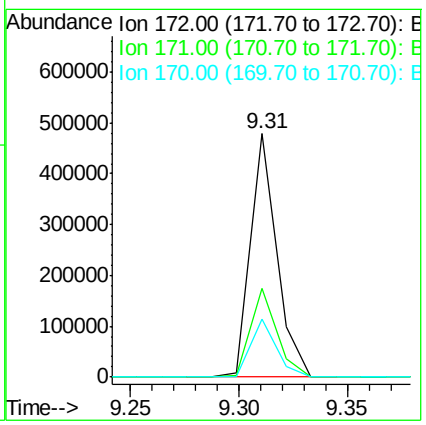


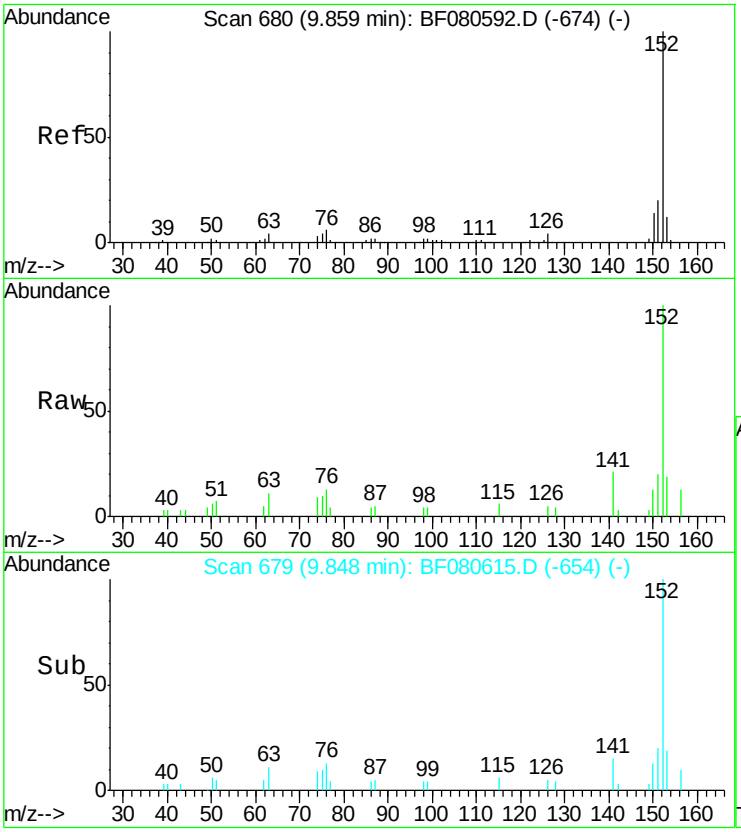


#44
2-Fluorobiphenyl
Concen: 94.31 ng
RT: 9.31 min Scan# 632
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:172 Resp: 401561

Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.7	41.5
170	23.8	19.1	28.7



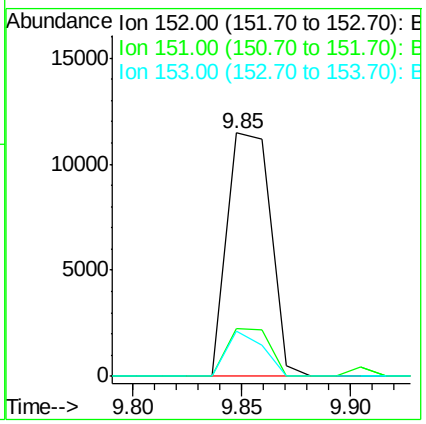


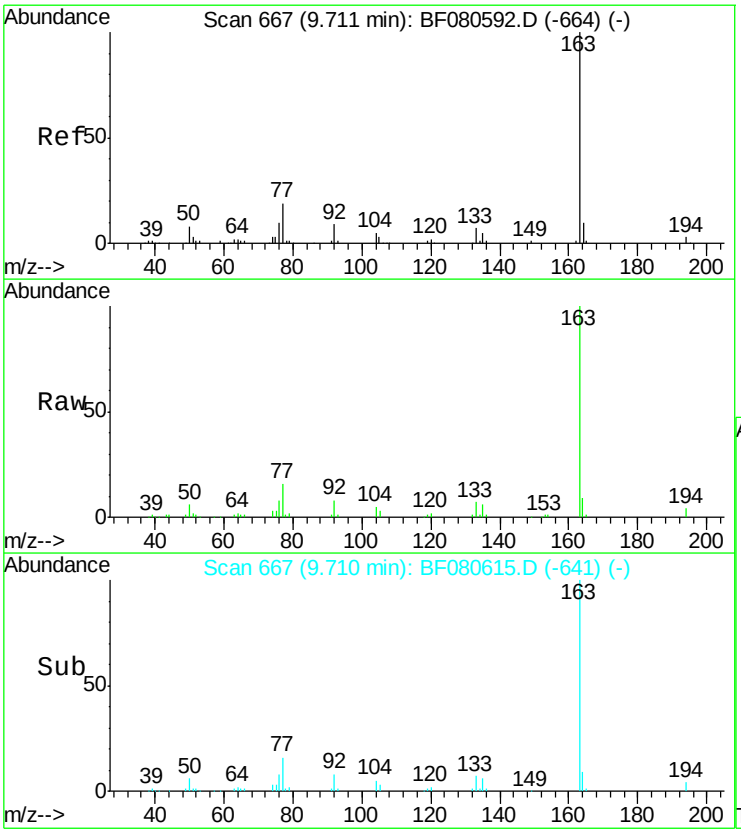
#48
Acenaphthylene
Concen: 2.64 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:152 Resp: 15883

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	18.6	9.7	14.5#

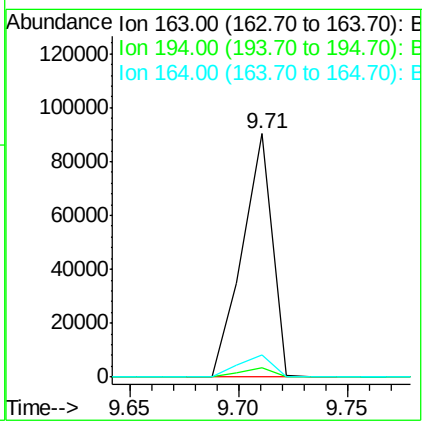


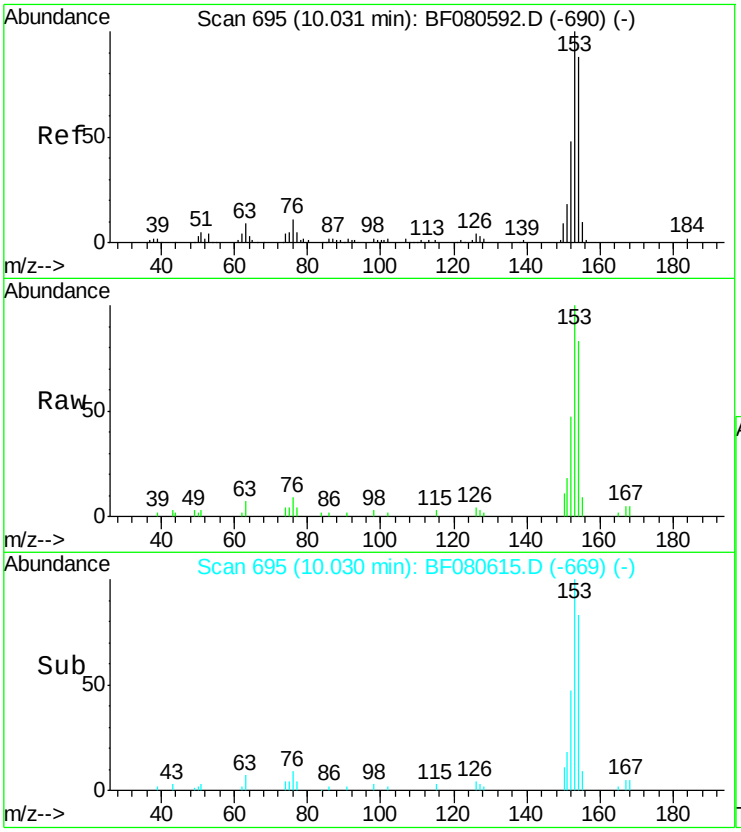


#49
Dimethylphthalate
Concen: 18.92 ng
RT: 9.71 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:163 Resp: 86009

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.5	3.7#
164	9.3	8.1	12.1



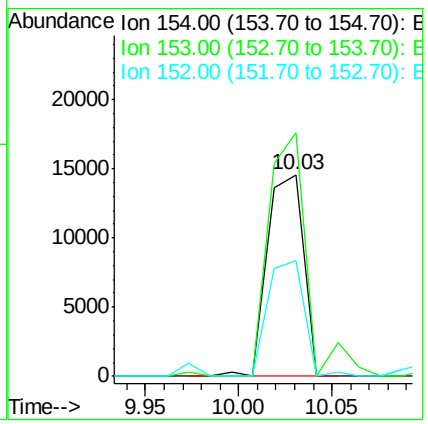


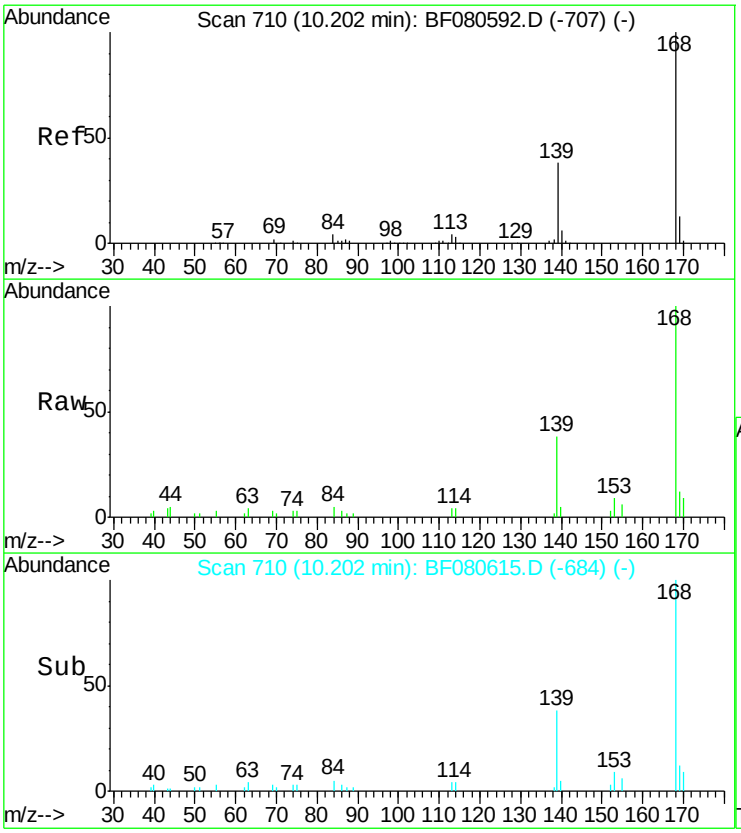
#51
Acenaphthene
Concen: 5.41 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:154 Resp: 19584

Ion	Ratio	Lower	Upper
154	100		
153	120.6	92.2	138.2
152	57.0	43.6	65.4

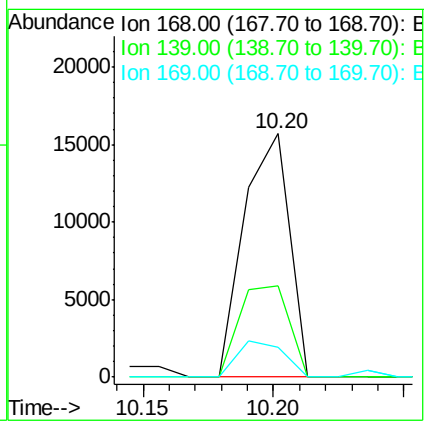


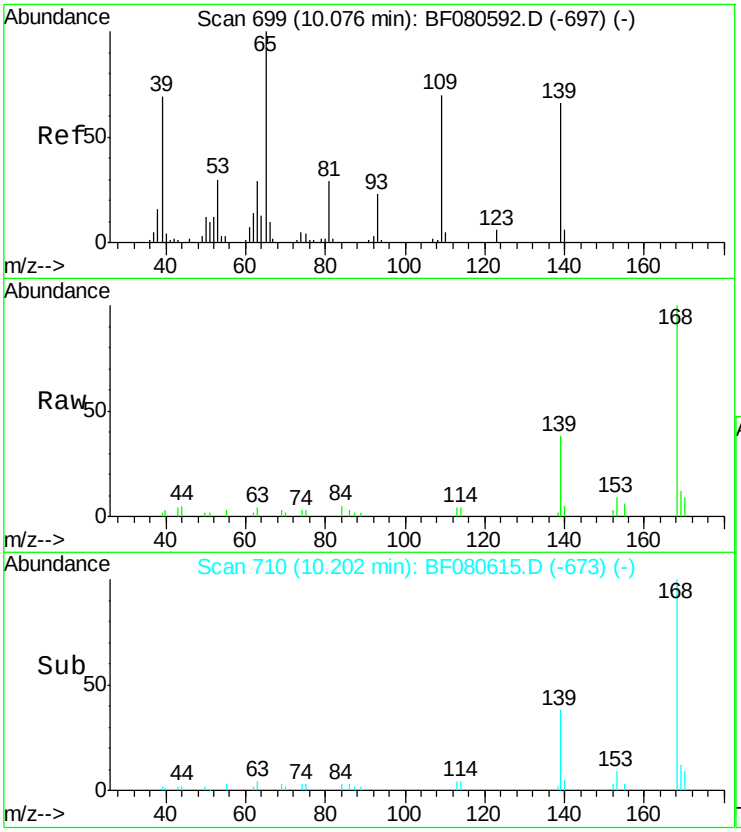


#54
Dibenzofuran
Concen: 3.66 ng
RT: 10.20 min Scan# 710
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:168 Resp: 19144

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.7	46.1
169	12.5	9.8	14.8



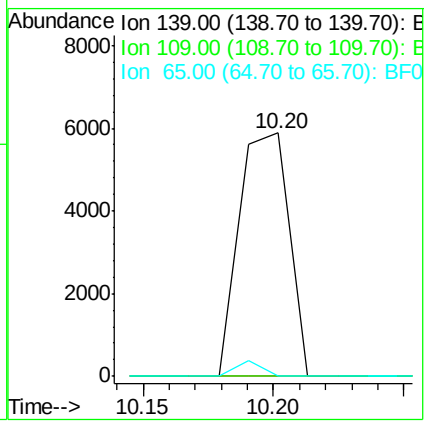


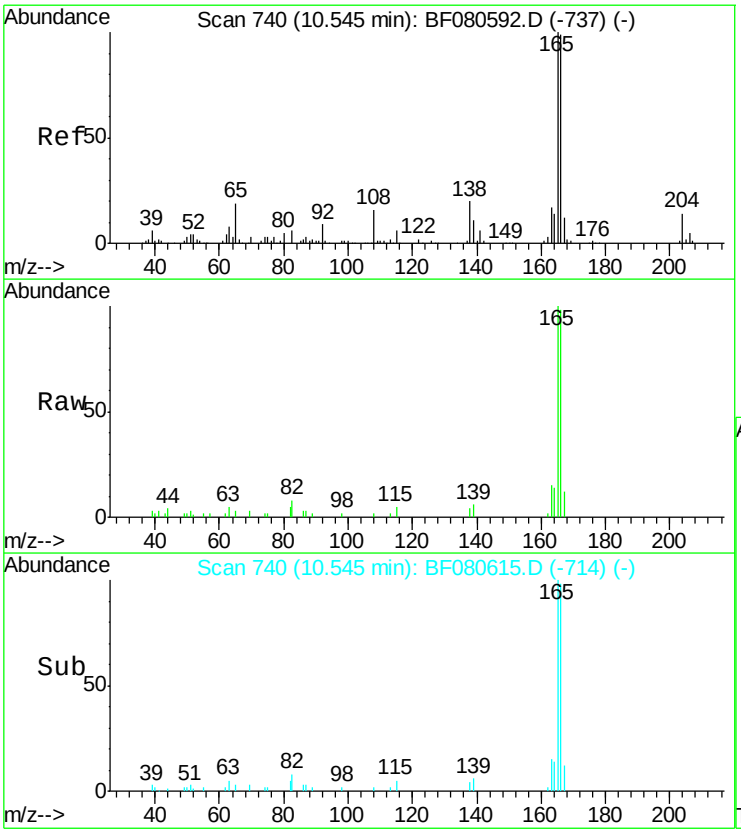
#55
4-Nitrophenol
Concen: 11.82 ng
RT: 10.20 min Scan# 710
Delta R.T. 0.13 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:139 Resp: 7896

Ion	Ratio	Lower	Upper
139	100		
109	0.0	75.9	115.9#
65	0.0	109.4	149.4#

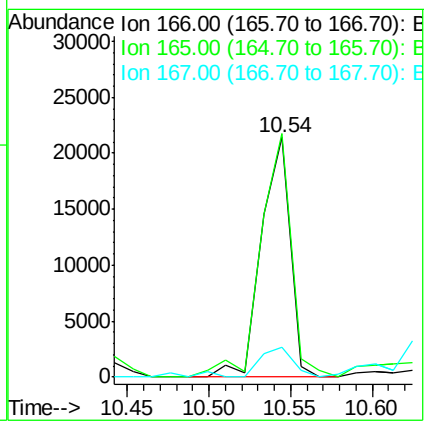


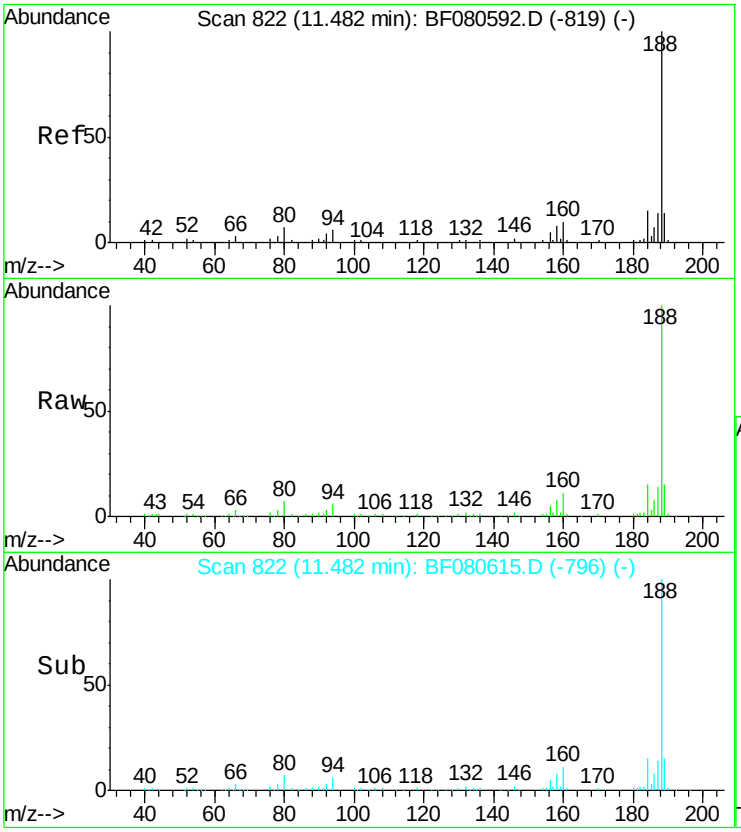


#57
Fluorene
Concen: 6.27 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:166 Resp: 26329

Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.7	116.5
167	12.3	10.5	15.7



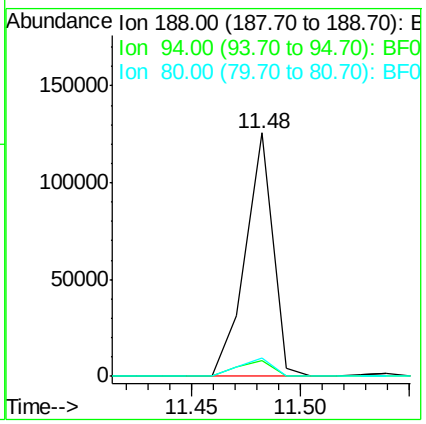


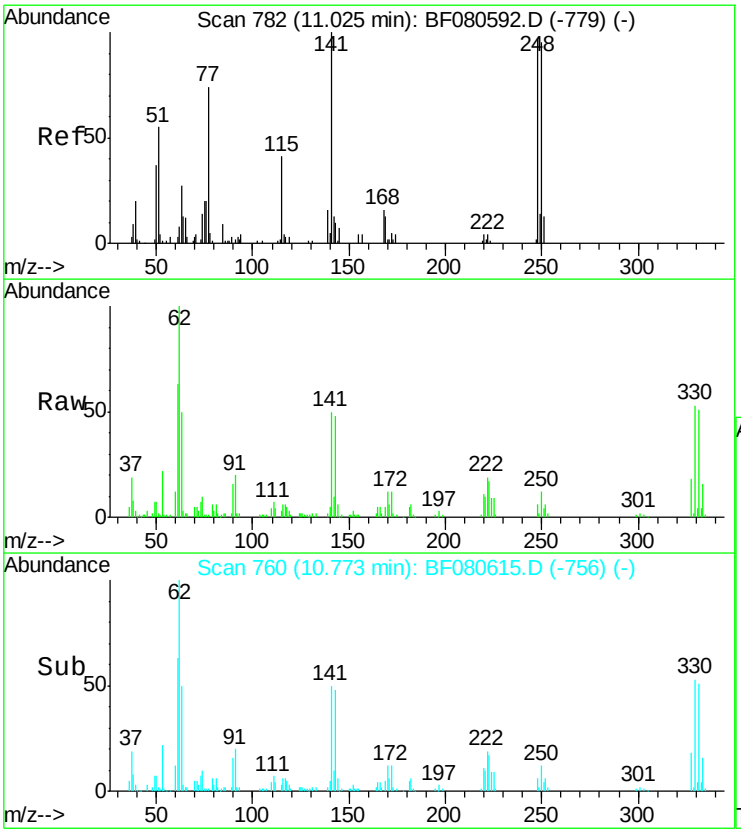
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:188 Resp: 110787

Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.1	9.1
80	7.5	7.0	10.6

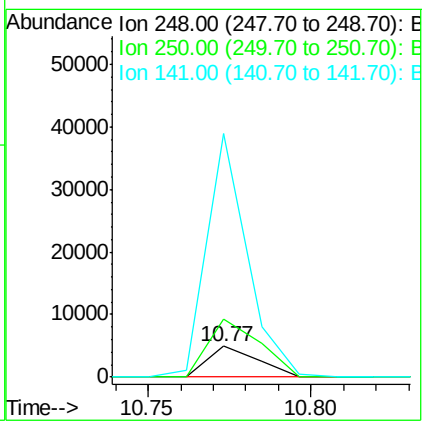


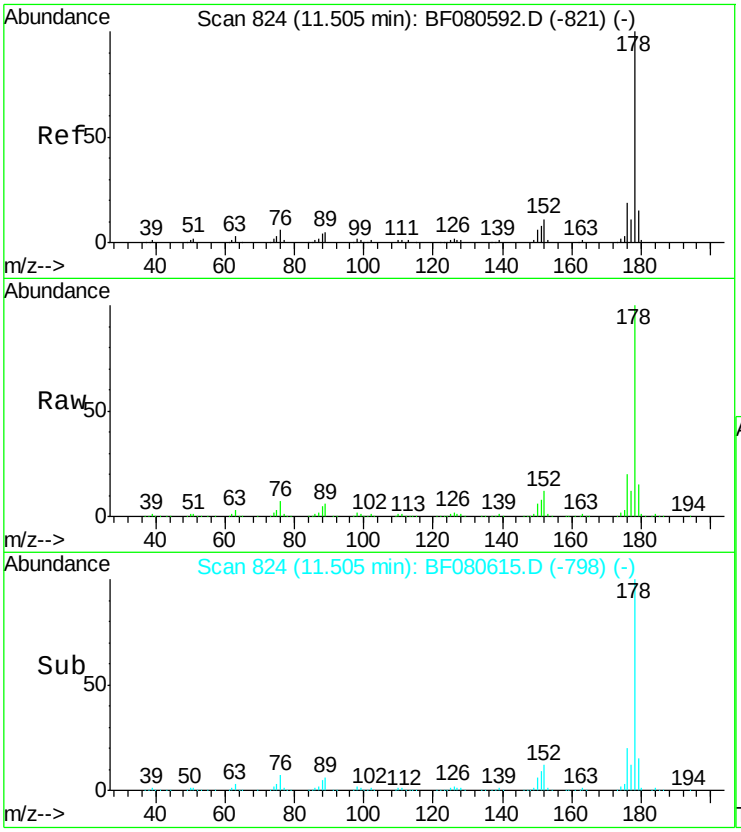


#66
4-Bromophenyl-phenylether
Concen: 4.55 ng
RT: 10.77 min Scan# 760
Delta R.T. -0.25 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:248 Resp: 5127

Ion	Ratio	Lower	Upper
248	100		
250	187.9	75.4	113.2#
141	786.7	93.4	140.0#



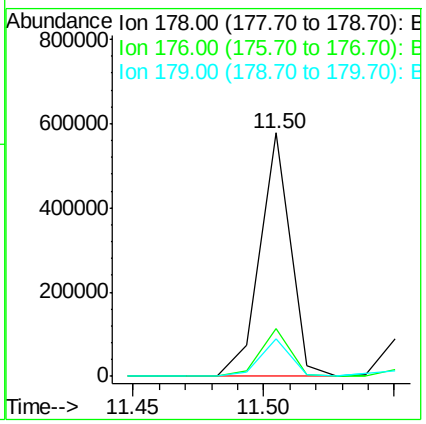


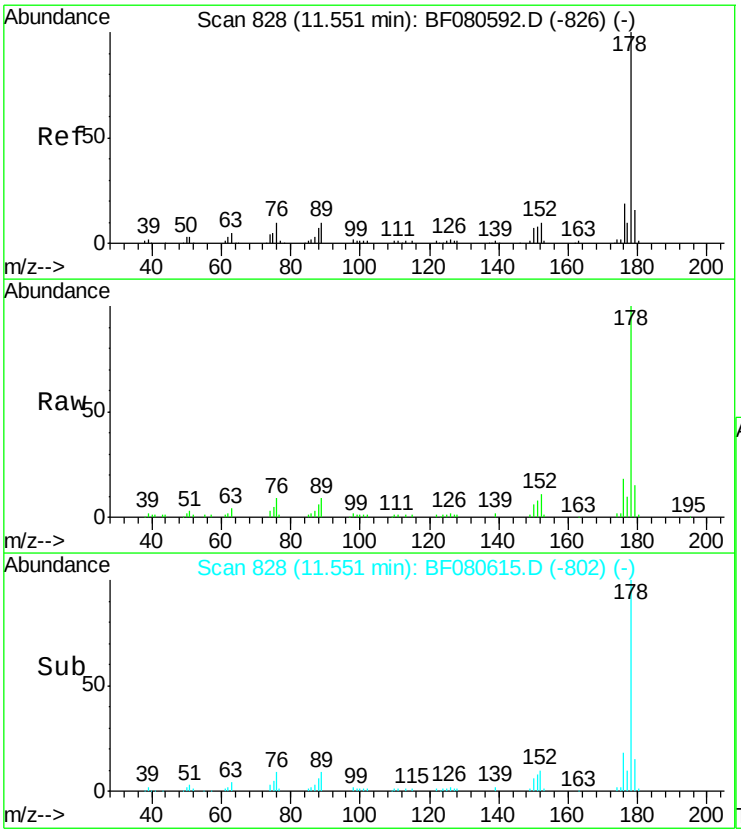
#70
Phenanthrene
Concen: 74.18 ng
RT: 11.50 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:178 Resp: 463900

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	15.2	12.5	18.7

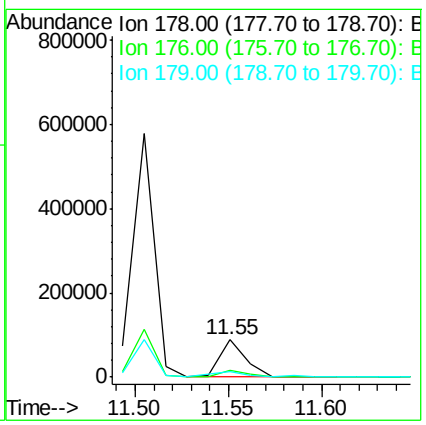


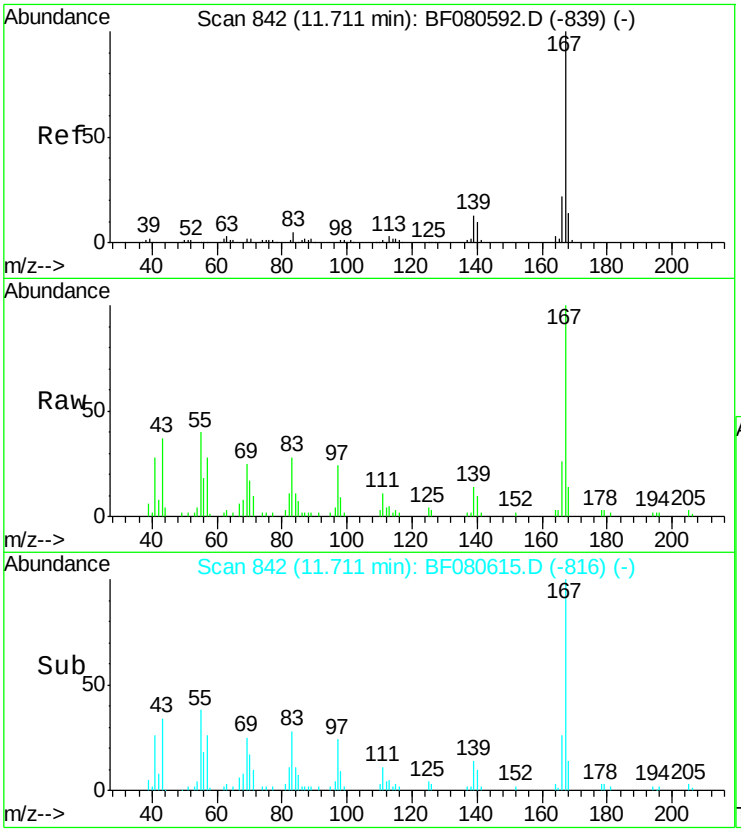


#71
Anthracene
Concen: 14.77 ng
RT: 11.55 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:178 Resp: 86478

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	15.4	12.0	18.0



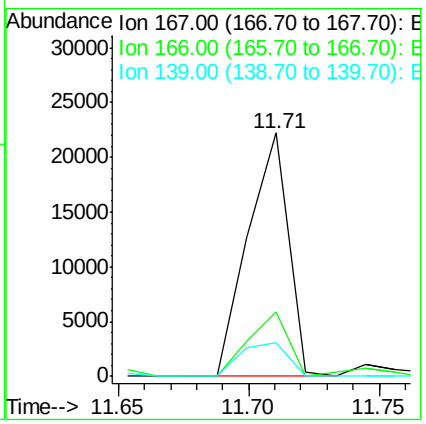


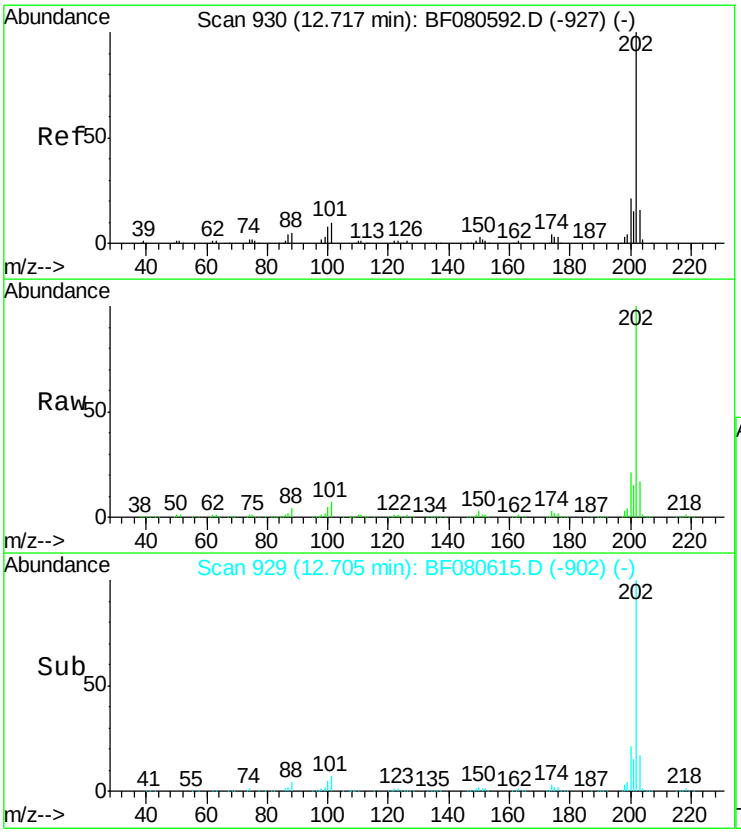
#72
Carbazole
Concen: 4.77 ng
RT: 11.71 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:167 Resp: 24154

Ion	Ratio	Lower	Upper
167	100		
166	26.4	18.1	27.1
139	13.8	10.7	16.1

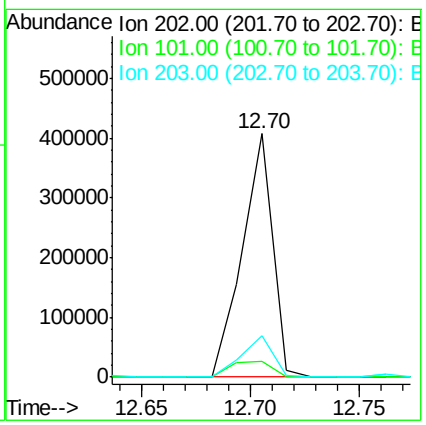


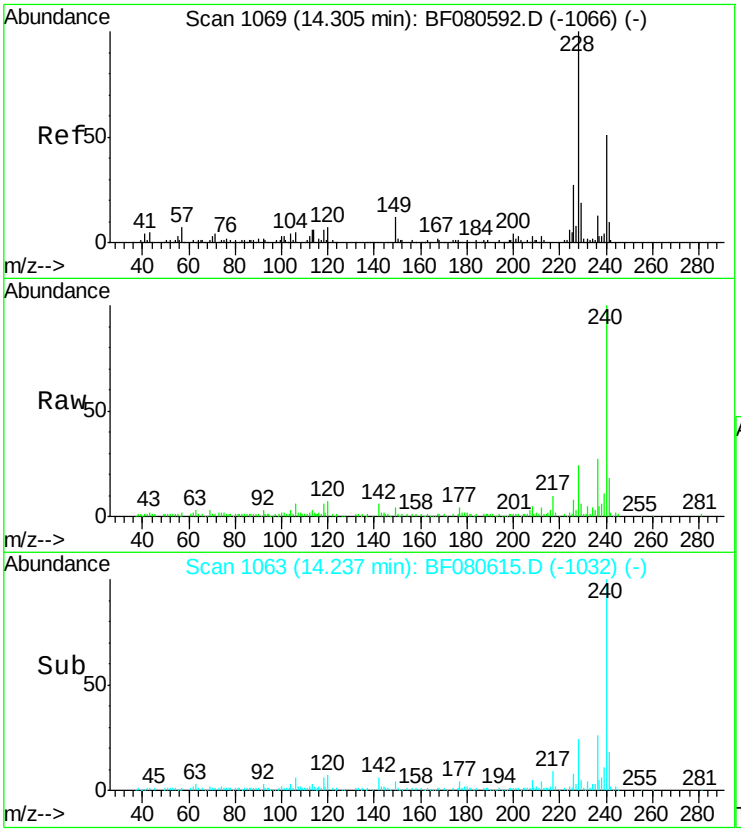


#74
Fluoranthene
Concen: 70.35 ng
RT: 12.70 min Scan# 929
Delta R.T. 0.01 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:202 Resp: 393682

Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	31.1
203	16.9	0.0	37.5



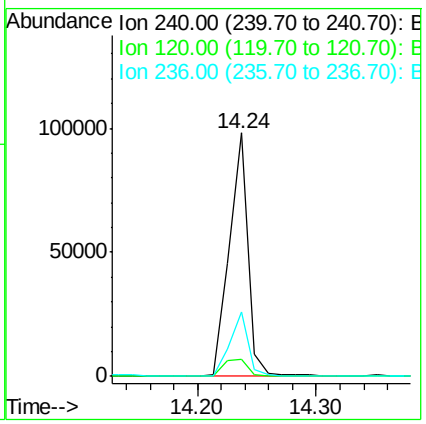


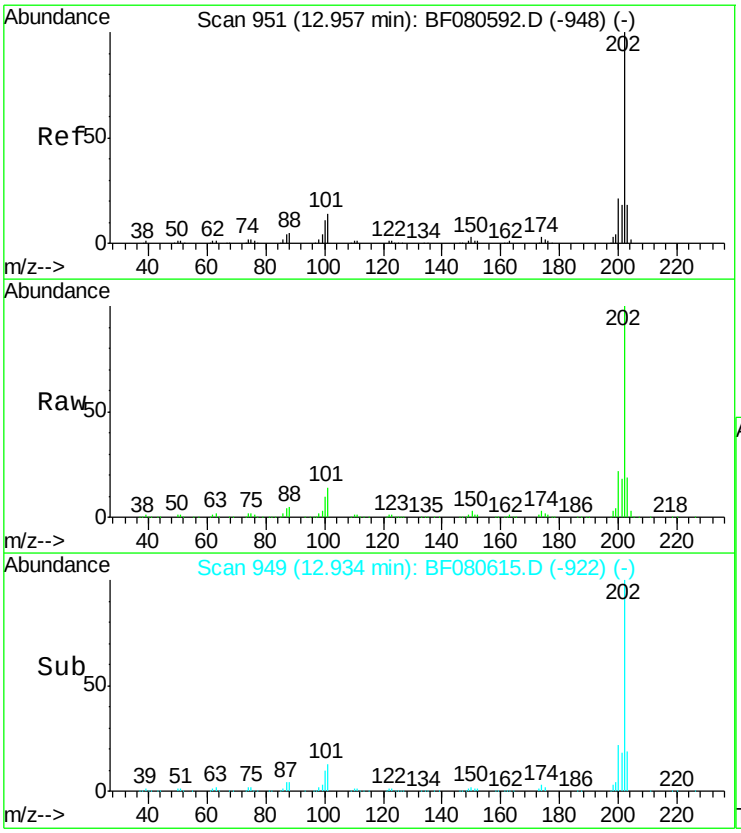
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.24 min Scan# 1063
Delta R.T. 0.06 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:240 Resp: 107259

Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.9	14.9#
236	26.5	19.1	28.7

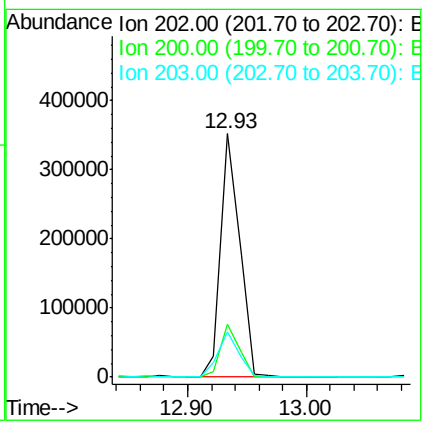


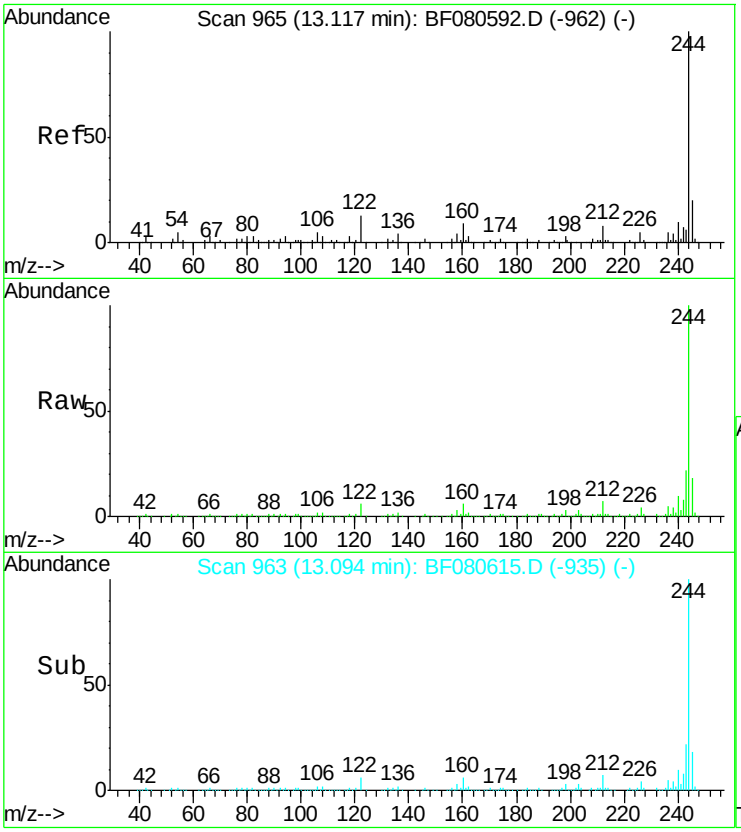


#77
Pyrene
Concen: 54.10 ng
RT: 12.93 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:202 Resp: 389306

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.8	14.5	21.7



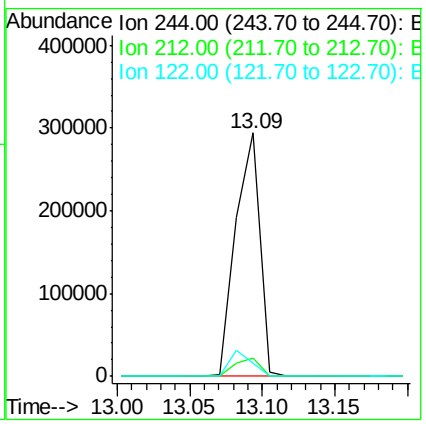


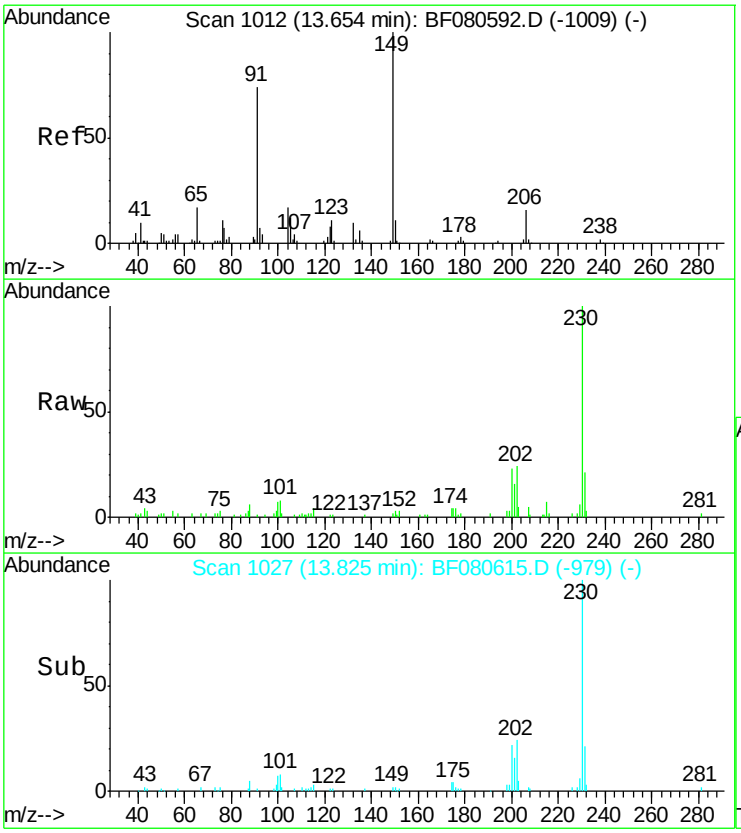
#78
Terphenyl-d14
Concen: 66.42 ng
RT: 13.09 min Scan# 963
Delta R.T. 0.02 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:244 Resp: 340449

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	5.7	8.2	12.2#

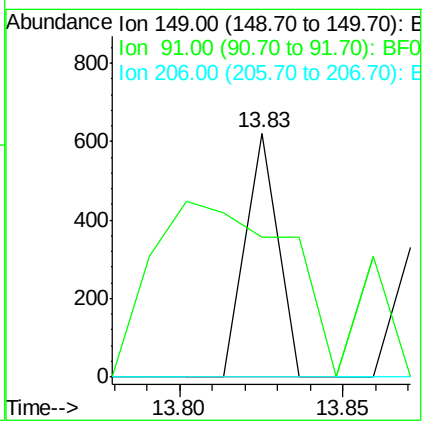


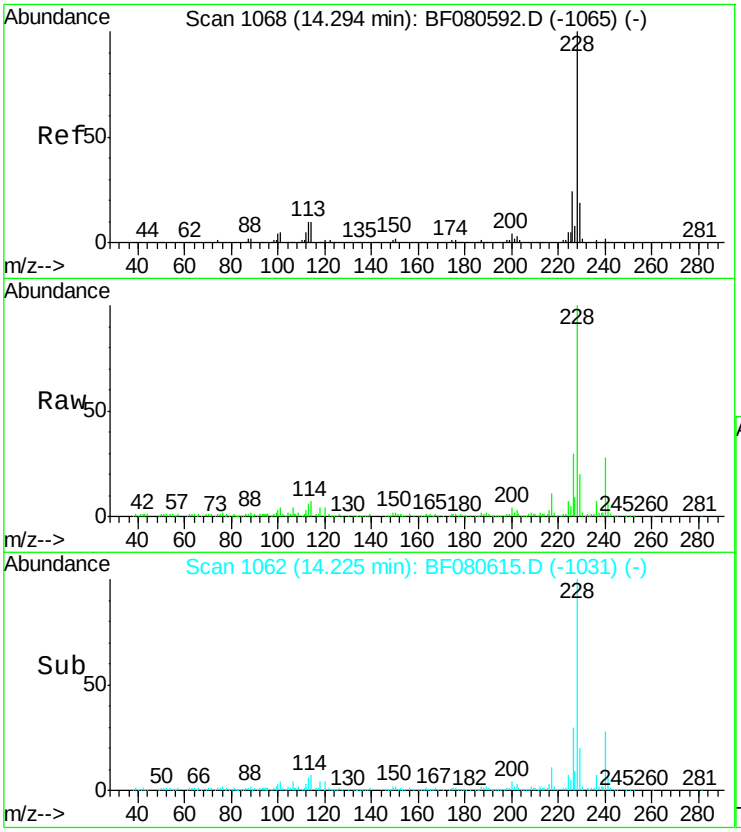


#79
Butylbenzylphthalate
Concen: 5.46 ng
RT: 13.83 min Scan# 1027
Delta R.T. 0.25 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:149 Resp: 426

Ion	Ratio	Lower	Upper
149	100		
91	57.6	53.0	79.6
206	0.0	15.0	22.6#



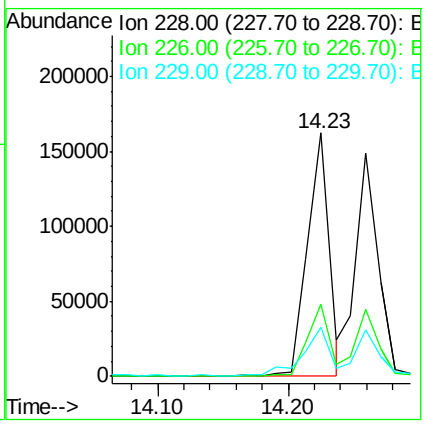


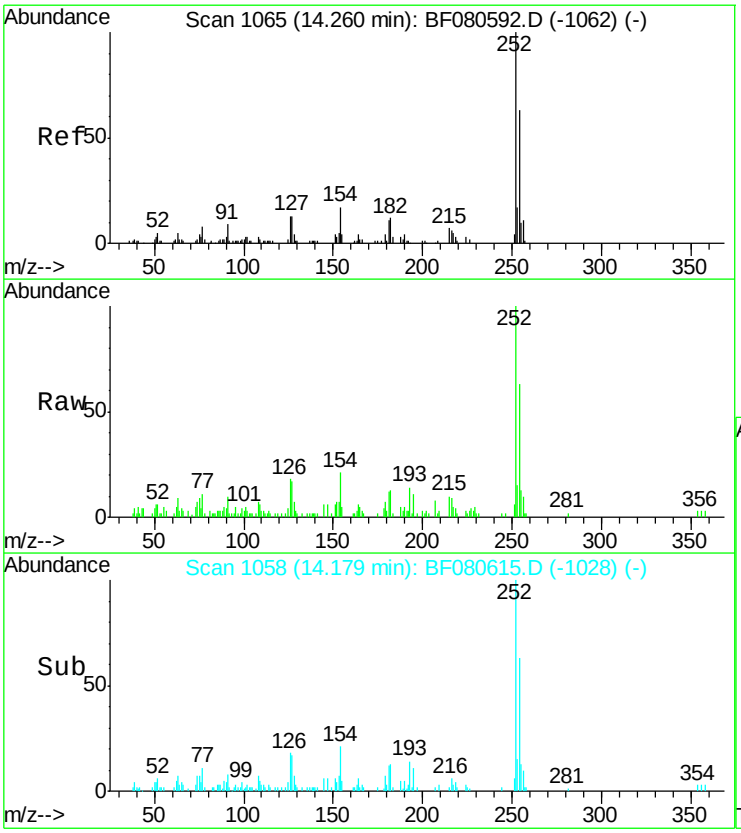
#80
Benzo(a)anthracene
Concen: 30.72 ng
RT: 14.23 min Scan# 1062
Delta R.T. 0.06 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:228 Resp: 185790

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.0	33.0
229	20.4	15.7	23.5

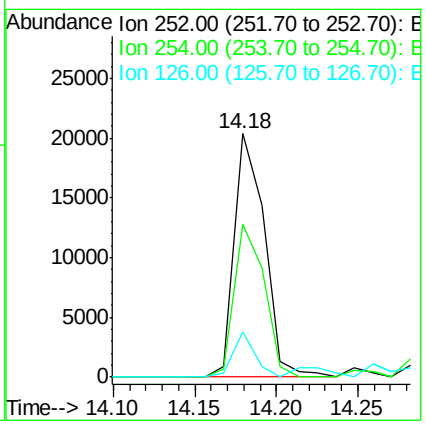


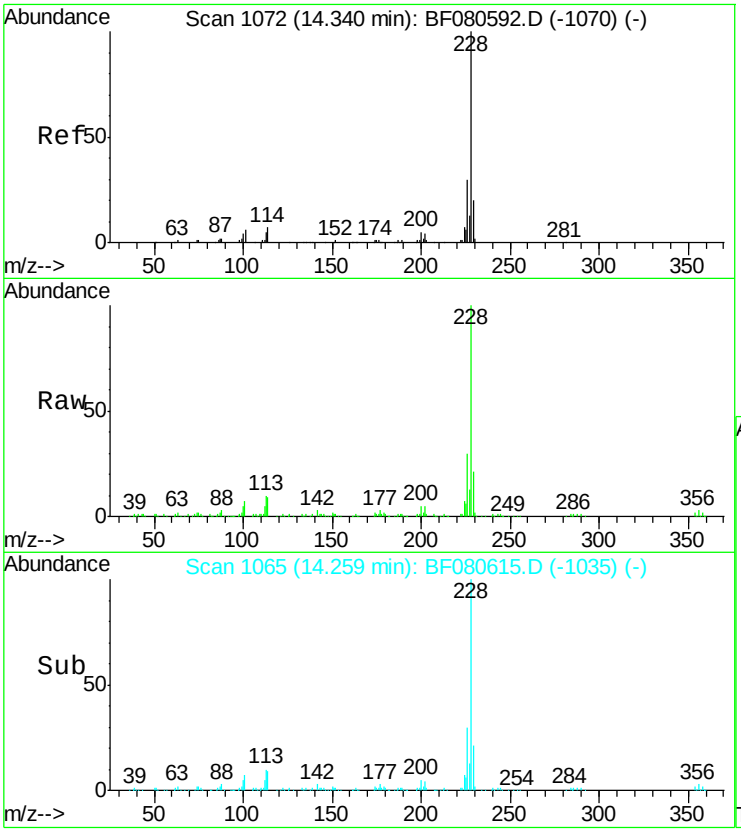


#81
3,3'-Dichlorobenzidine
Concen: 14.96 ng
RT: 14.18 min Scan# 1058
Delta R.T. 0.05 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:252 Resp: 25867

Ion	Ratio	Lower	Upper
252	100		
254	62.6	49.2	73.8
126	18.4	8.1	12.1#



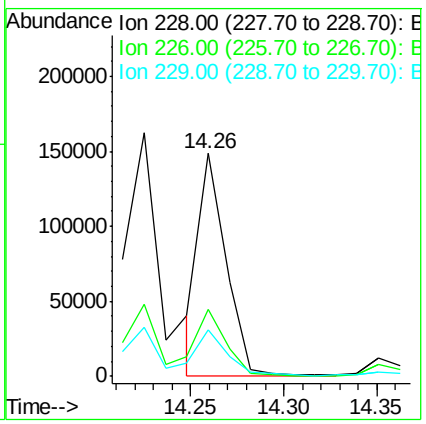


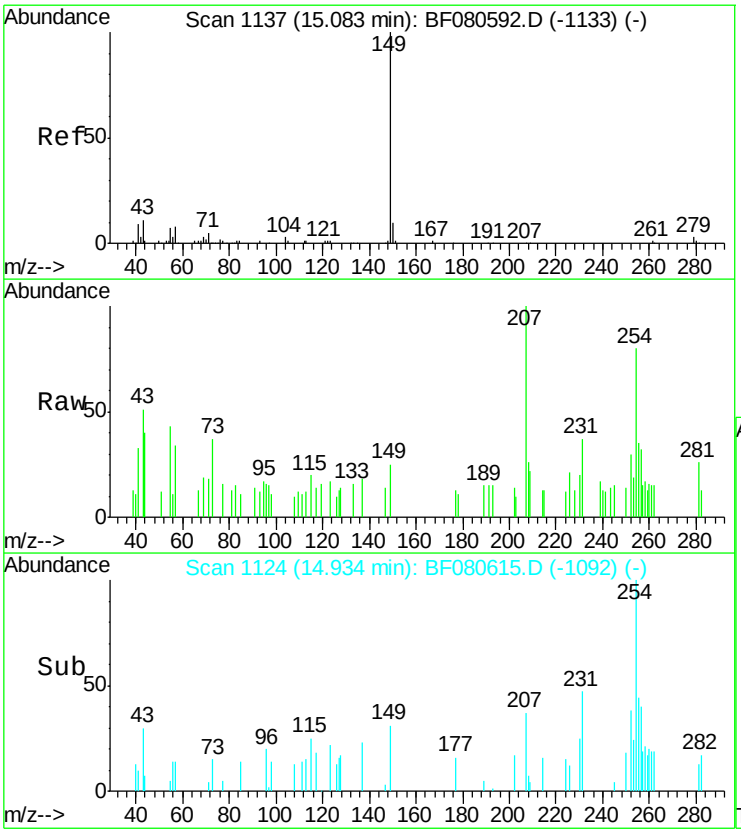
#82
Chrysene
Concen: 24.98 ng
RT: 14.26 min Scan# 1065
Delta R.T. 0.05 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:228 Resp: 150279

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.6
229	21.1	15.0	22.4

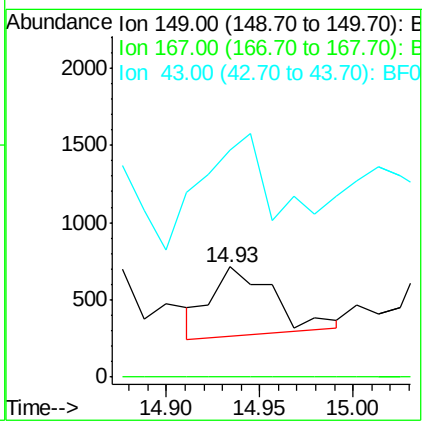


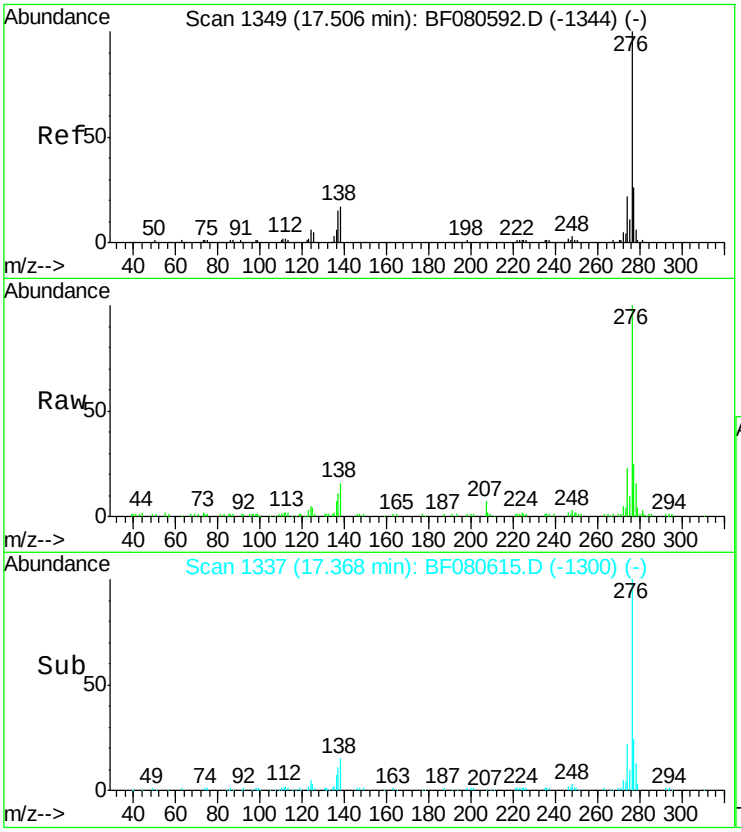


#84
Di-n-octyl phthalate
Concen: 6.11 ng
RT: 14.93 min Scan# 1124
Delta R.T. 0.07 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:149 Resp: 1023

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	201.2	12.5	18.7#



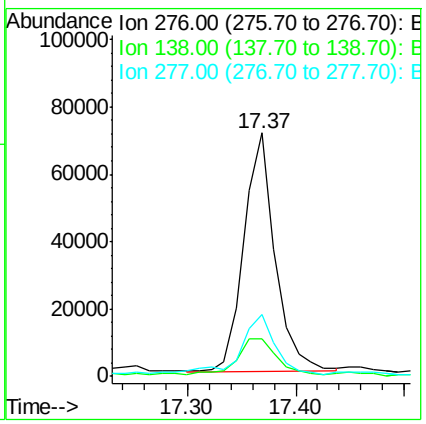


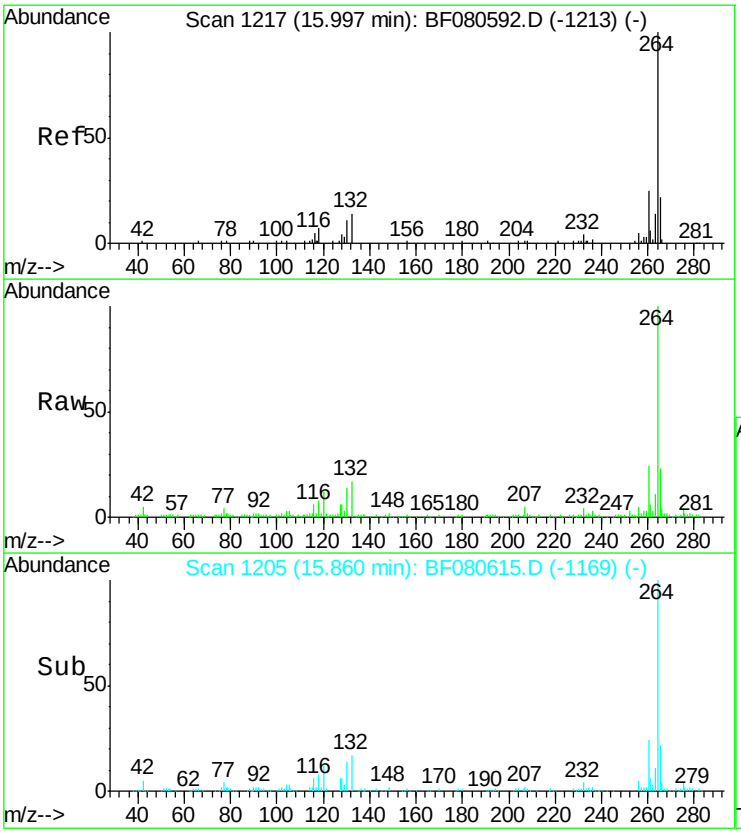
#85
Indeno(1,2,3-cd)pyrene
Concen: 31.38 ng
RT: 17.37 min Scan# 1337
Delta R.T. 0.13 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:276 Resp: 142823

Ion	Ratio	Lower	Upper
276	100		
138	18.3	18.9	28.3#
277	29.6	19.9	29.9

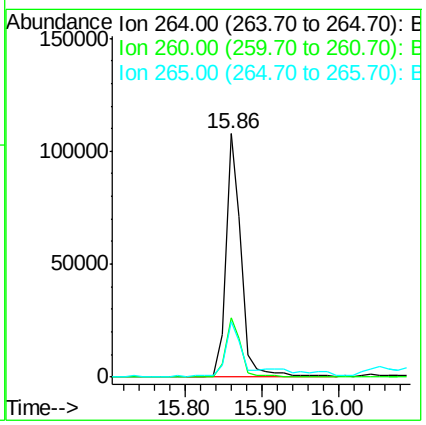


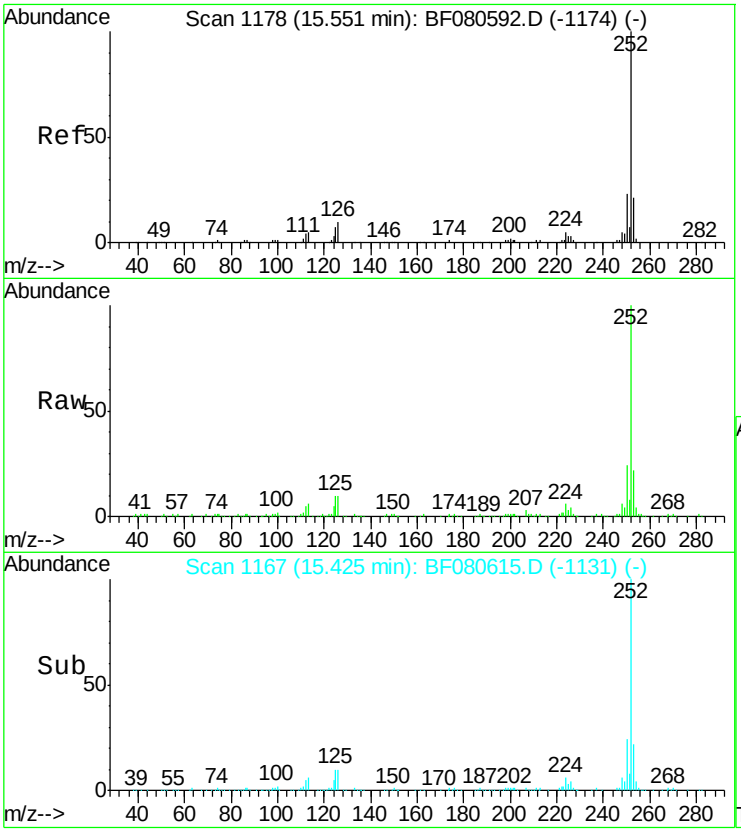


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.86 min Scan# 1205
Delta R.T. 0.11 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:264 Resp: 152017

Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.8	26.8
265	22.5	15.6	23.4



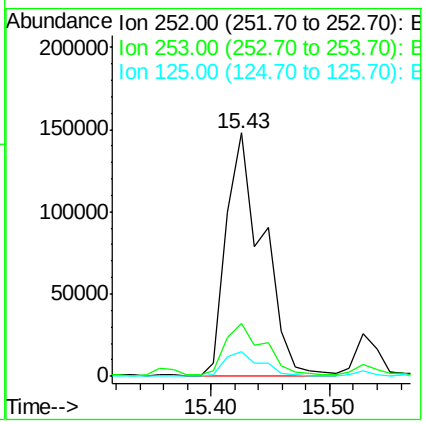


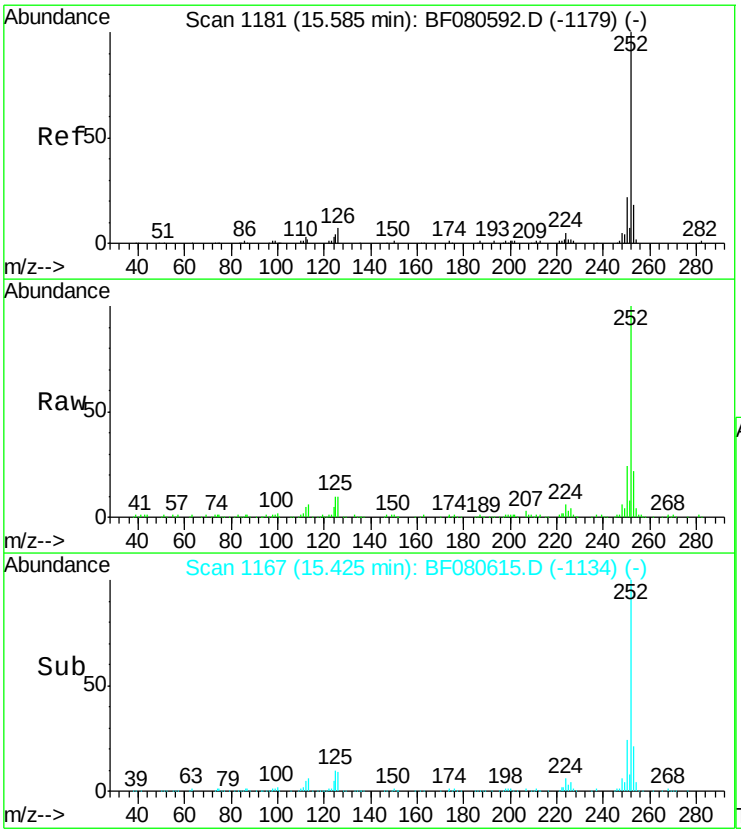
#87
Benzo(b)fluoranthene
Concen: 34.63 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.11 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:252 Resp: 320178

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.6	25.0
125	10.0	6.1	9.1#

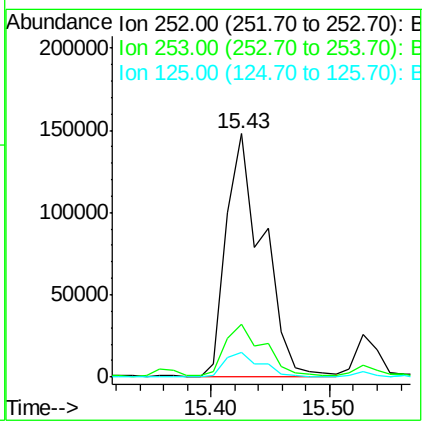


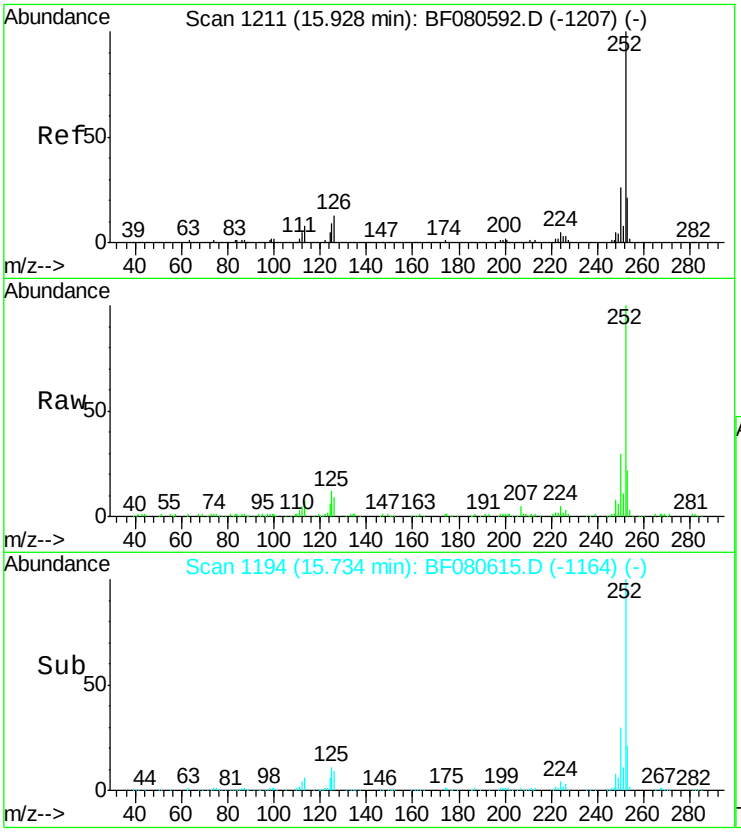


#88
Benzo(k)fluoranthene
Concen: 34.80 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.08 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:252 Resp: 320178

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	10.0	8.6	13.0



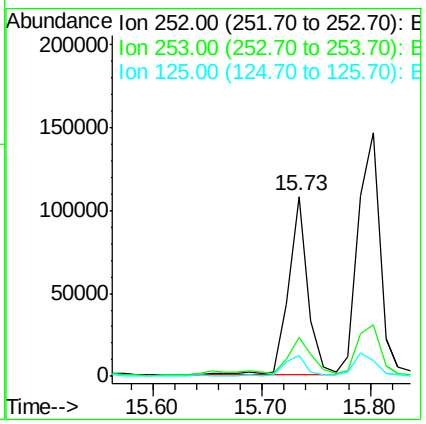


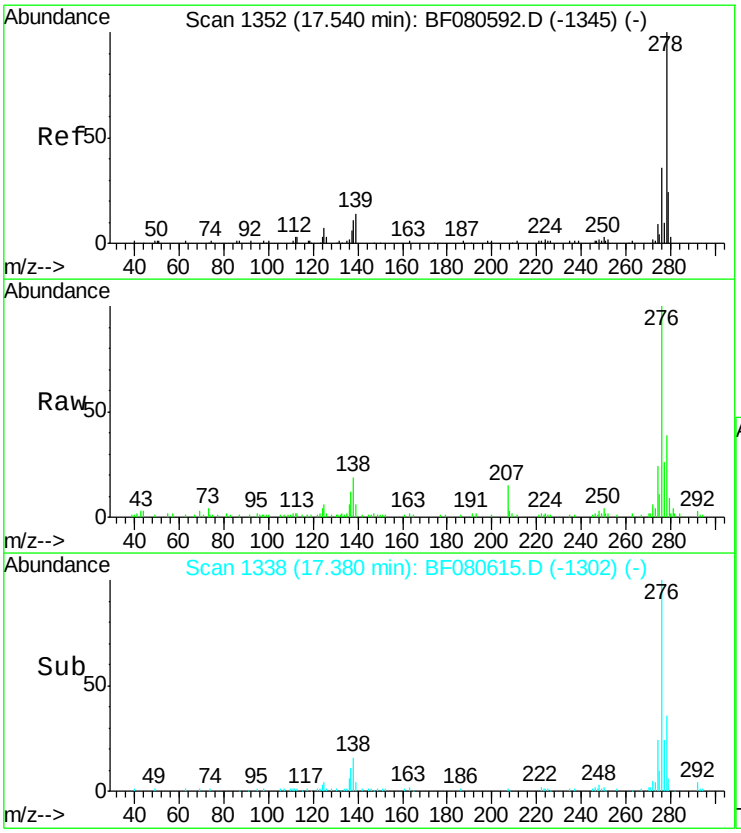
#89
Benzo(a)pyrene
Concen: 16.37 ng
RT: 15.73 min Scan# 1194
Delta R.T. 0.05 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:252 Resp: 134297

Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.0	28.6
125	11.7	11.2	16.8

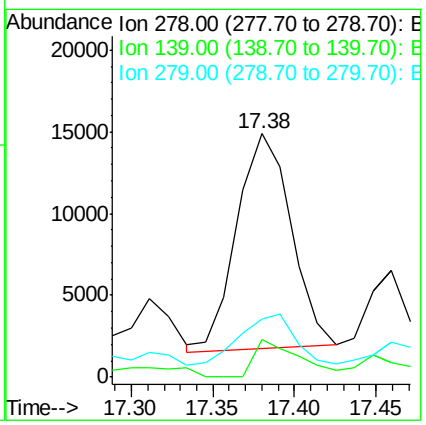


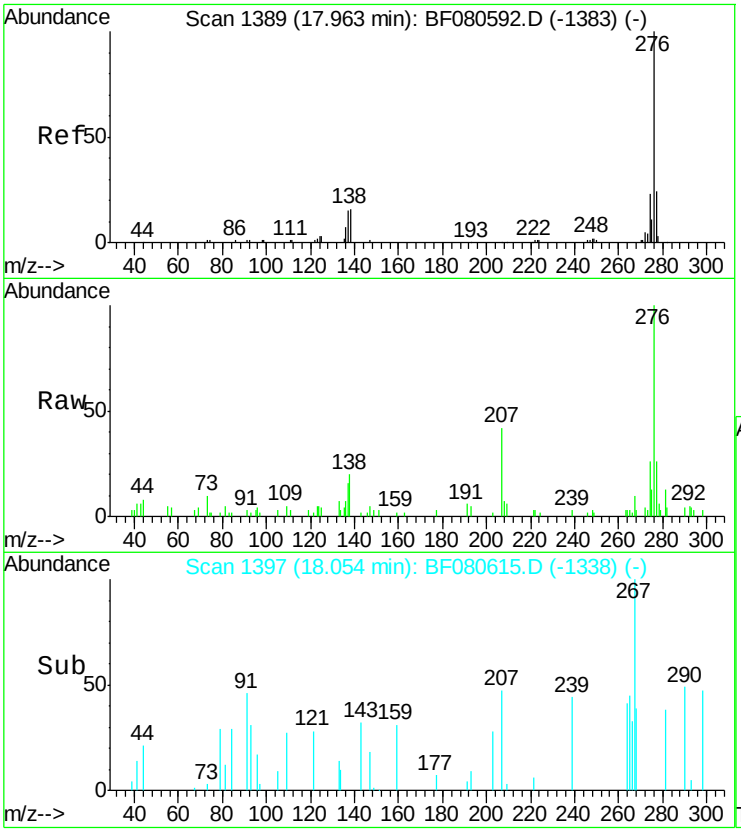


#90
Dibenzo(a,h)anthracene
Concen: 3.94 ng
RT: 17.38 min Scan# 1338
Delta R.T. 0.11 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:278 Resp: 30510

Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.6	17.4
279	23.9	18.9	28.3





#91
Benzo(g,h,i)perylene
Concen: 3.32 ng
RT: 18.05 min Scan# 1397
Delta R.T. 0.38 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:276 Resp: 26292

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.0	27.0
138	19.8	17.8	26.6