Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001767.D
Acq On : 19 Jun 2015 18:15
Operator : TP/IZ
Sample : G2653-04
Misc : LOQ-SIM-SOIL-1PPM
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOQ-SOIL2015-02

Quant Time: Jun 20 02:10:46 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 05:05:14 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	14650	5.00	ng		0.00
6) Naphthalene-d8	10.46	136	53847	5.00	ng		0.00
12) Acenaphthene-d10	14.32	164	26833	5.00	ng		0.00
18) Phenanthrene-d10	17.06	188	72606	5.00	ng		0.00
25) Chrysene-d12	21.25	240	47619	5.00	ng		0.00
32) Perylene-d12	23.47	264	42816	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	35819	10.46	ng		0.00
5) Phenol-d6	6.83	99	46807	10.62	ng		0.00
7) Nitrobenzene-d5	8.83	82	27416	6.52	ng		0.00
13) 2,4,6-Tribromophenol	15.80	330	8745	10.44	ng		0.00
14) 2-Fluorobiphenyl	12.94	172	62410	6.51	ng		0.00
27) Terphenyl-d14	19.70	244	48034	6.85	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	283	0.17	ng	#	78
3) n-Nitrosodimethylamine	3.49	42	281	0.11	ng	#	98
8) Nitrobenzene	8.87	77	669	0.15	ng	#	90
9) Naphthalene	10.49	128	1568	0.12	ng	#	89
10) Hexachlorobutadiene	10.78	225	268	0.12	ng		96
11) 2-Methylnaphthalene	12.13	142	1000	0.12	ng		92
15) Acenaphthylene	14.03	152	1356	0.11	ng		99
16) Acenaphthene	14.37	154	927	0.12	ng		98
17) Fluorene	15.36	166	1035	0.15	ng		98
19) 4-Bromophenyl-phenylether	16.24	248	318	0.11	ng		95
20) Hexachlorobenzene	16.38	284	251	0.12	ng	#	100
21) Pentachlorophenol	16.72	266	88	0.10	ng	#	82
22) Phenanthrene	17.09	178	2835	0.11	ng		96
23) Anthracene	17.19	178	1091	0.10	ng	#	94
24) Fluoranthene	19.12	202	1873	0.12	ng		99
26) Pyrene	19.49	202	1939	0.12	ng		99
28) Benzo(a)anthracene	21.24	228	1764	0.12	ng		94
29) Chrysene	21.28	228	1828	0.12	ng		96
30) Bis(2-ethylhexyl)phthalate	21.16	149	1090	0.13	ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.70	276	1674	0.12	ng		99
33) Benzo(b)fluoranthene	22.80	252	1691	0.12	ng	#	85
34) Benzo(k)fluoranthene	22.84	252	1467	0.12	ng	#	84
35) Benzo(a)pyrene	23.37	252	1415	0.12	ng	#	79
36) Dibenzo(a,h)anthracene	25.72	278	1341	0.11	ng	#	82
37) Benzo(g,h,i)perylene	26.39	276	1521	0.12	ng	#	86

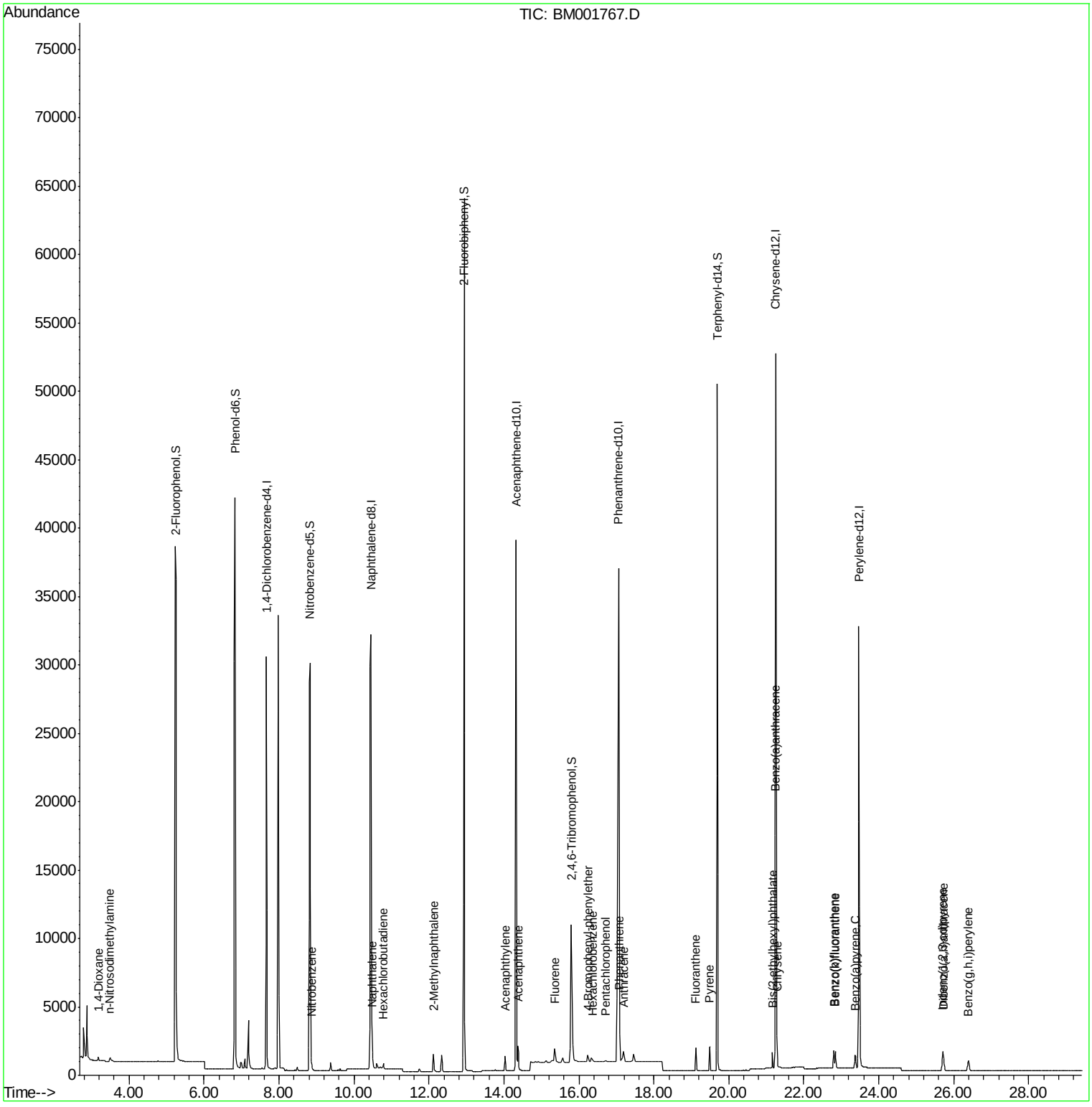
(#) = qualifier out of range (m) = manual integration (+) = signals summed

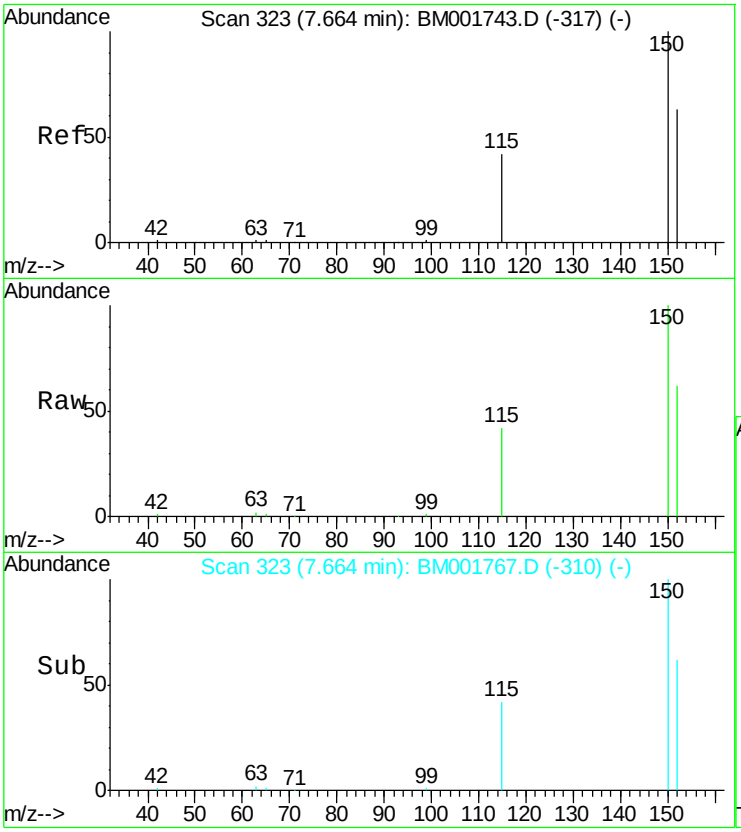
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001767.D
Acq On : 19 Jun 2015 18:15
Operator : TP/IZ
Sample : G2653-04
Misc : LOQ-SIM-SOIL-1PPM
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Quant Time: Jun 20 02:10:46 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 05:05:14 2015
Response via : Initial Calibration



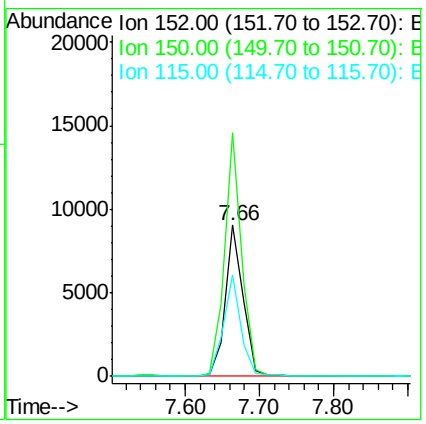


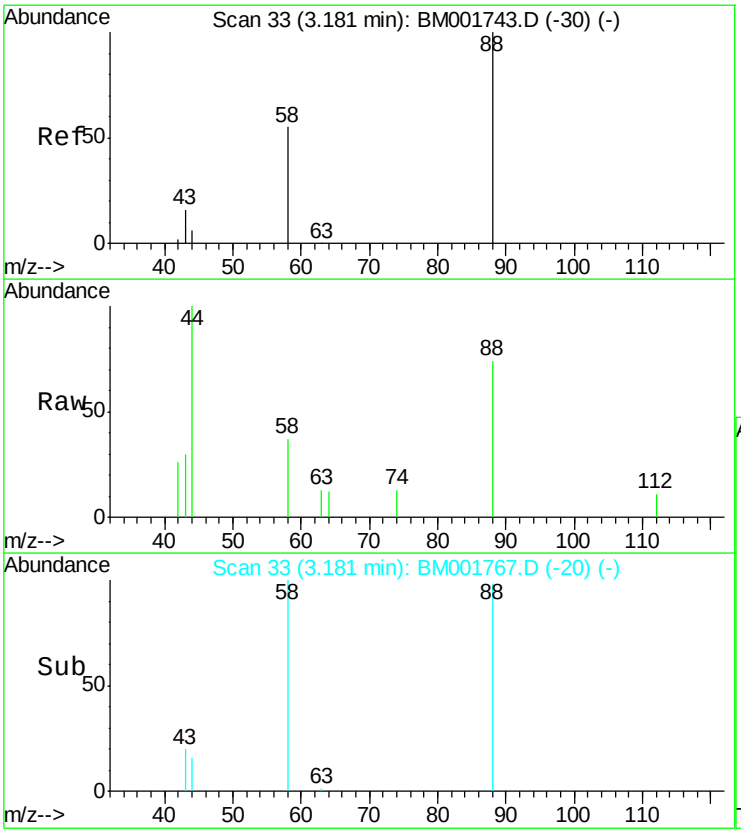
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.66 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:152 Resp: 14650

Ion	Ratio	Lower	Upper
152	100		
150	160.9	127.5	191.3
115	67.5	53.2	79.8

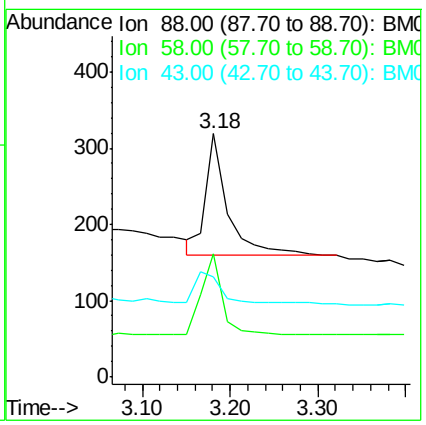


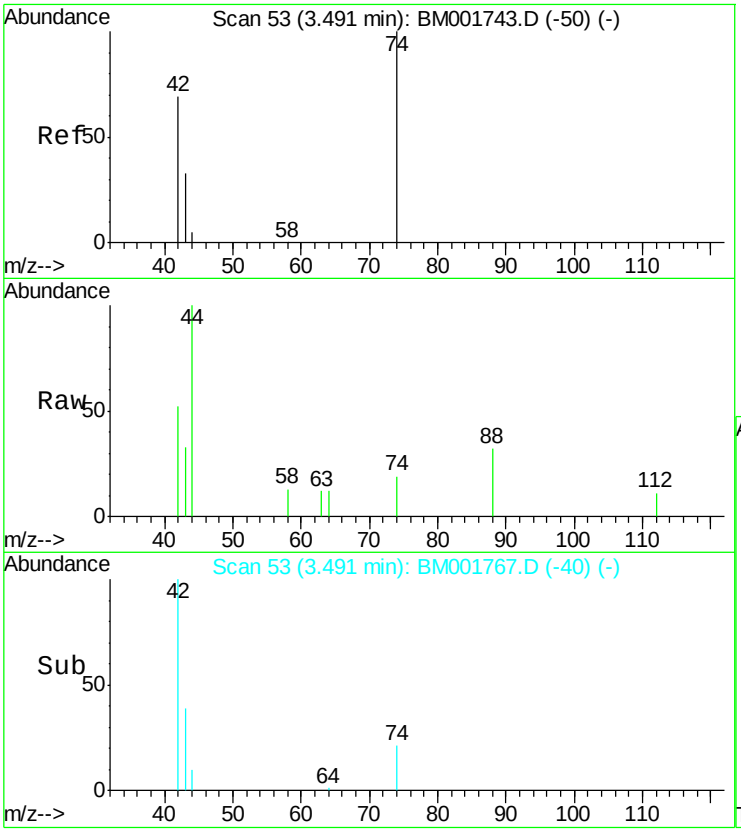


#2
1,4-Dioxane
Concen: 0.17 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion: 88 Resp: 283

Ion	Ratio	Lower	Upper
88	100		
58	64.0	68.3	102.5#
43	27.9	32.6	48.8#



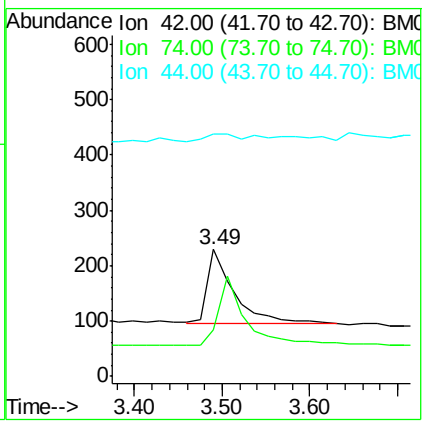


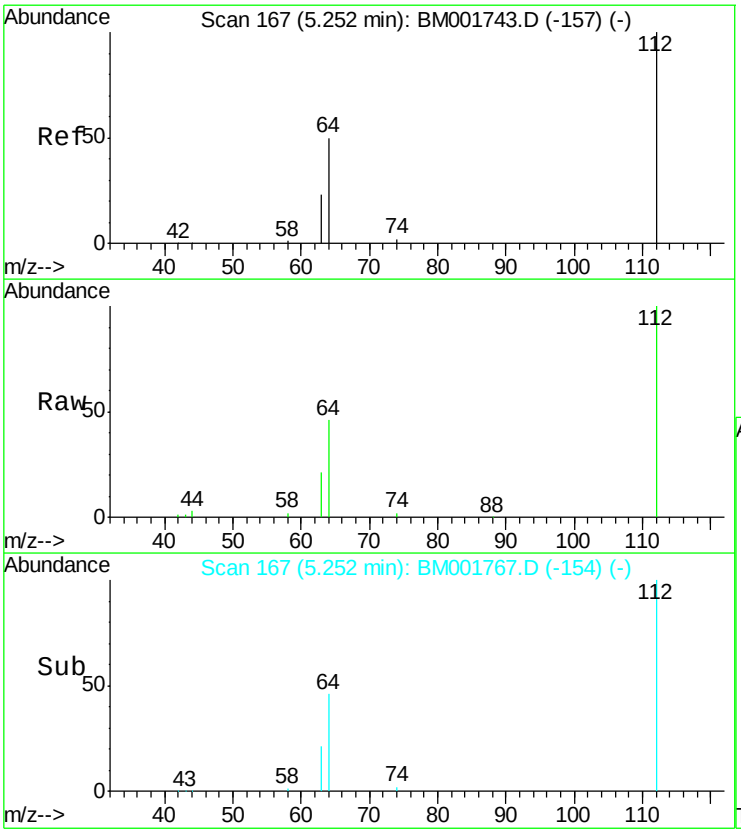
#3
n-Nitrosodimethylamine
Concen: 0.11 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 42 Resp: 281

Ion	Ratio	Lower	Upper
42	100		
74	96.4	78.6	118.0
44	10.0	5.0	7.6#

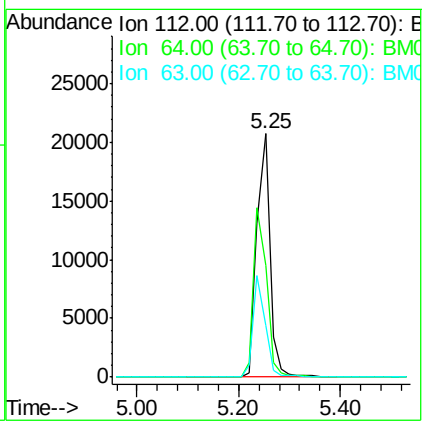


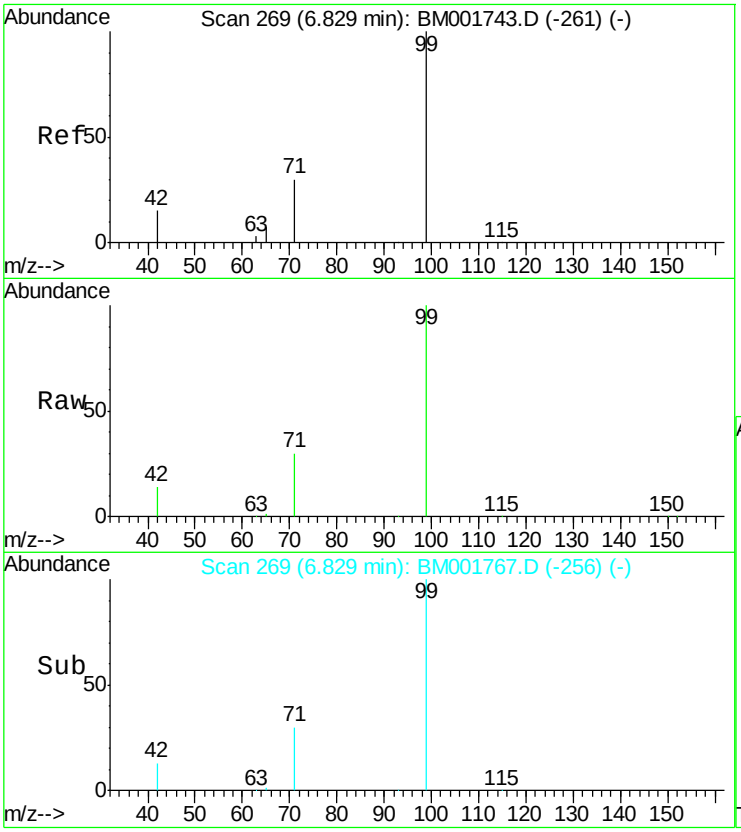


#4
2-Fluorophenol
Concen: 10.46 ng
RT: 5.25 min Scan# 167
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:112 Resp: 35819

Ion	Ratio	Lower	Upper
112	100		
64	69.6	55.6	83.4
63	38.5	30.2	45.2



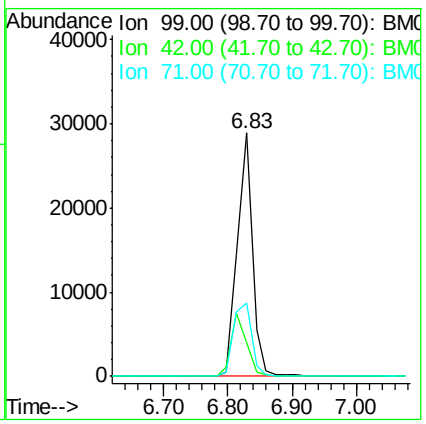


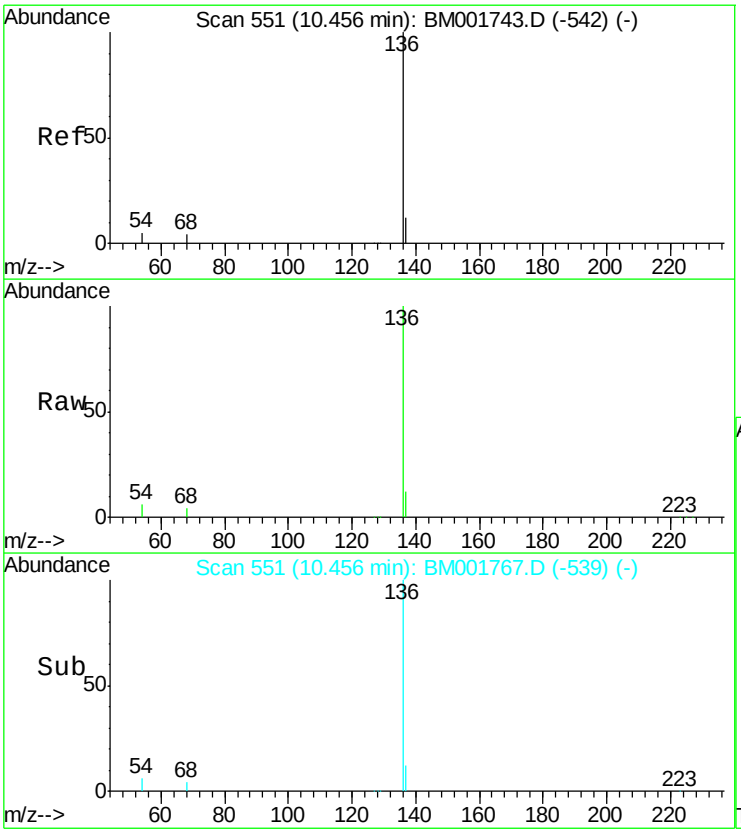
#5
Phenol-d6
Concen: 10.62 ng
RT: 6.83 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 99 Resp: 46807

Ion	Ratio	Lower	Upper
99	100		
42	25.9	21.4	32.0
71	36.1	28.3	42.5

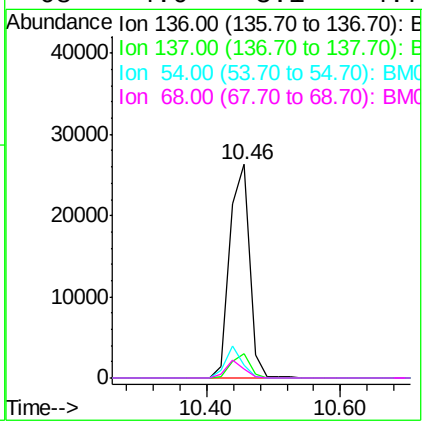


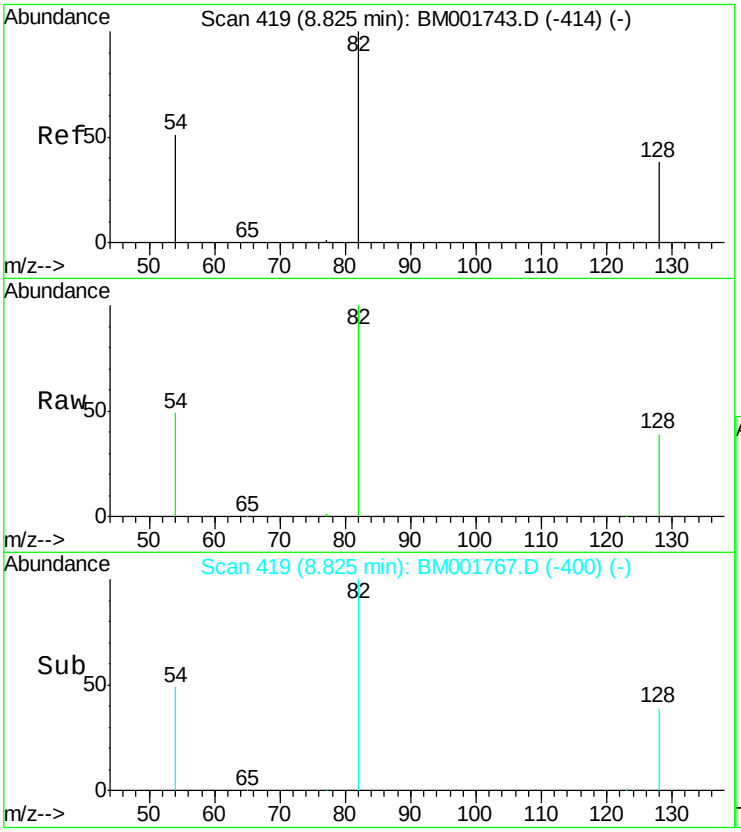


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:136 Resp: 53847

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.0
54	5.8	4.4	6.6
68	4.0	3.1	4.7



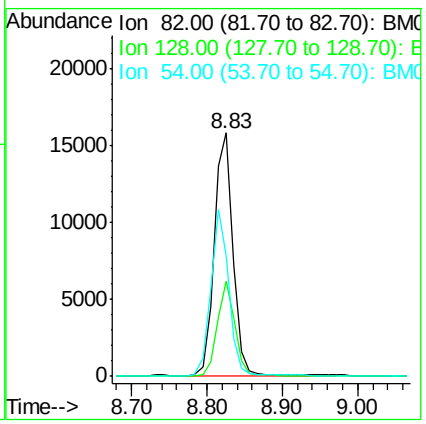


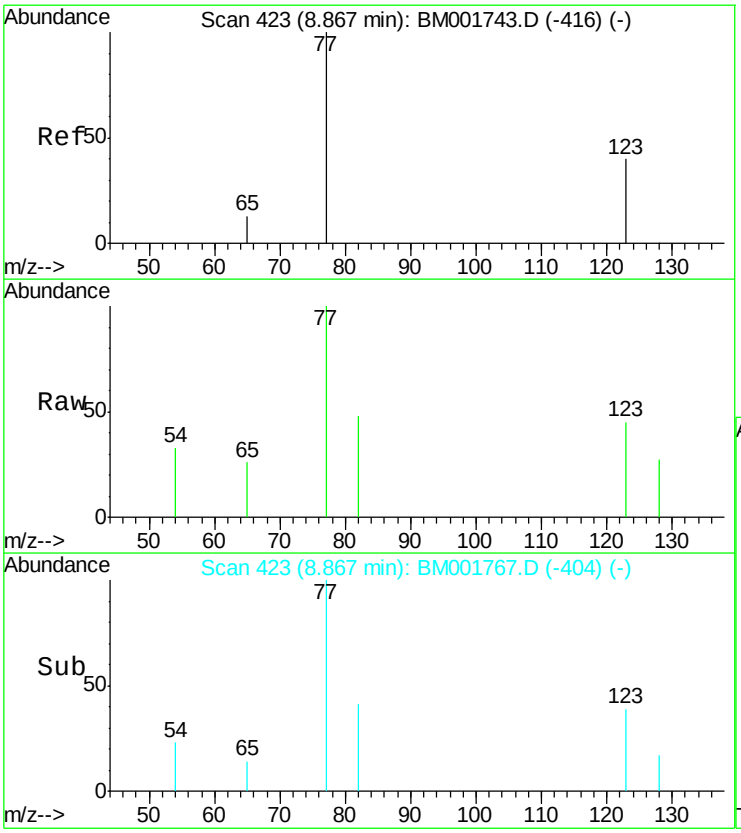
#7
Nitrobenzene-d5
Concen: 6.52 ng
RT: 8.83 min Scan# 419
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 82 Resp: 27416

Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	49.4	41.9	62.9

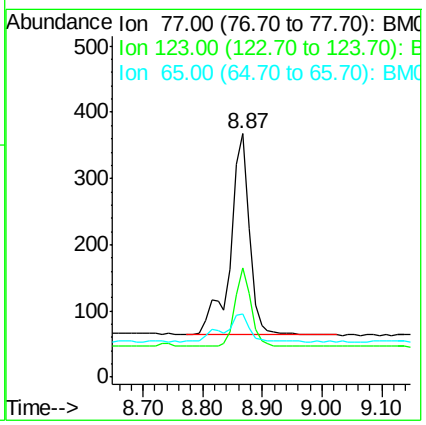


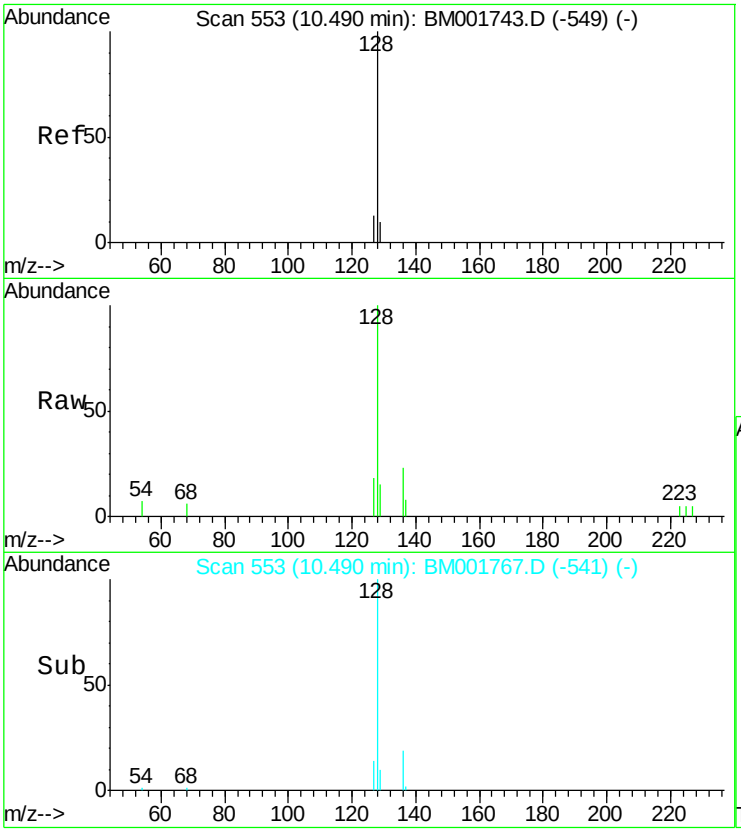


#8
Nitrobenzene
Concen: 0.15 ng
RT: 8.87 min Scan# 423
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion: 77 Resp: 669

Ion	Ratio	Lower	Upper
77	100		
123	32.0	30.1	45.1
65	18.8	11.3	16.9#



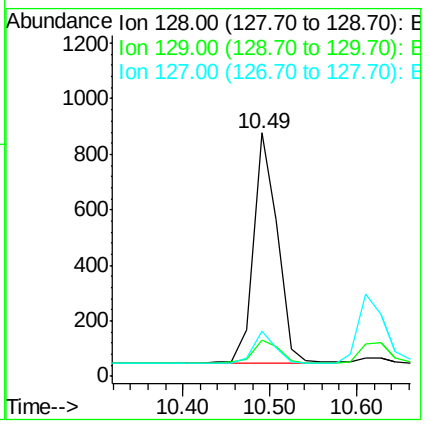


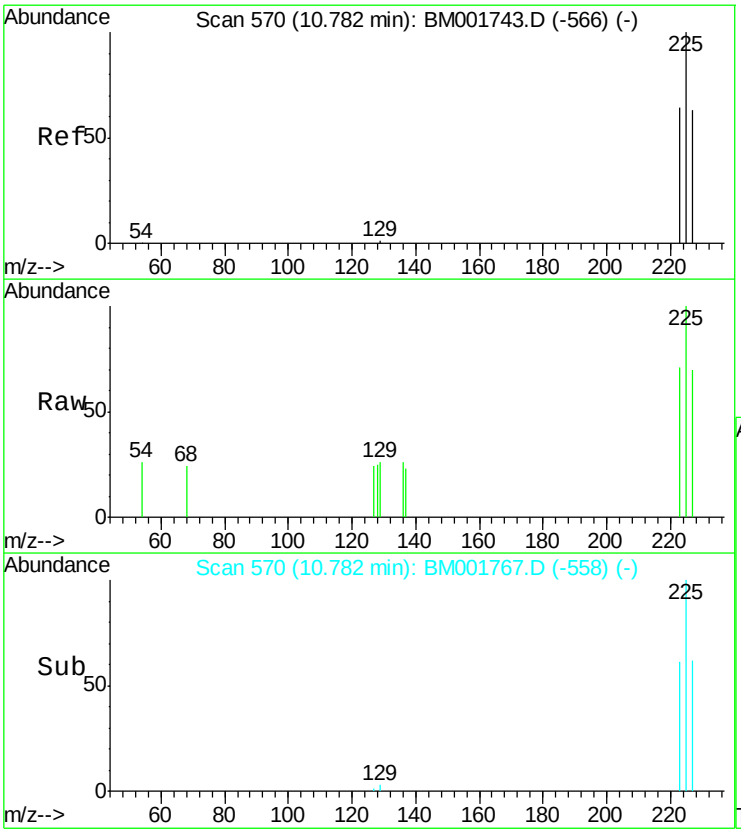
#9
Naphthalene
Concen: 0.12 ng
RT: 10.49 min Scan# 553
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:128 Resp: 1568

Ion	Ratio	Lower	Upper
128	100		
129	14.9	8.7	13.1#
127	18.5	11.2	16.8#

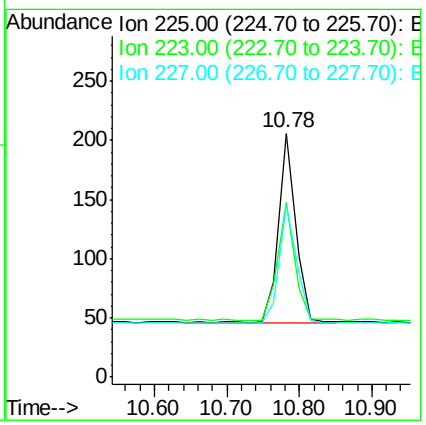


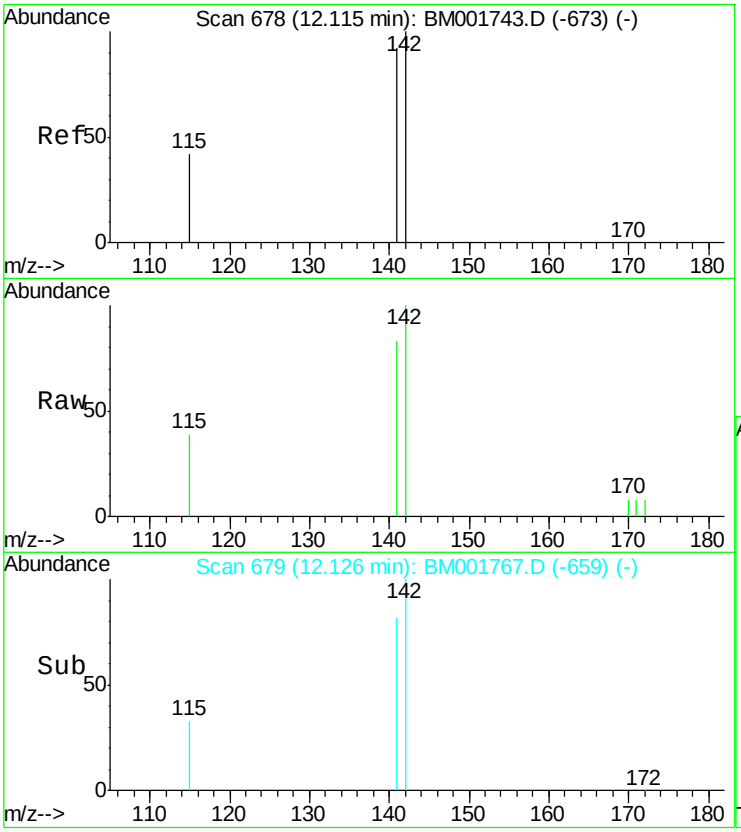


#10
Hexachlorobutadiene
Concen: 0.12 ng
RT: 10.78 min Scan# 570
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:225 Resp: 268

Ion	Ratio	Lower	Upper
225	100		
223	61.2	51.0	76.4
227	61.6	51.8	77.8



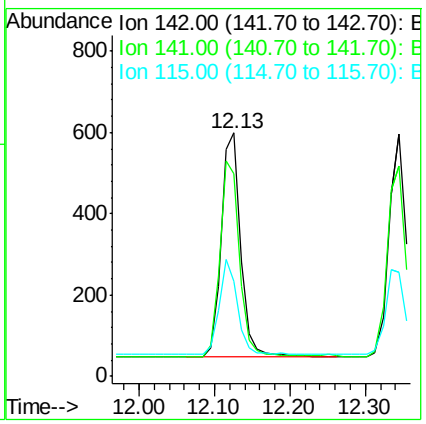


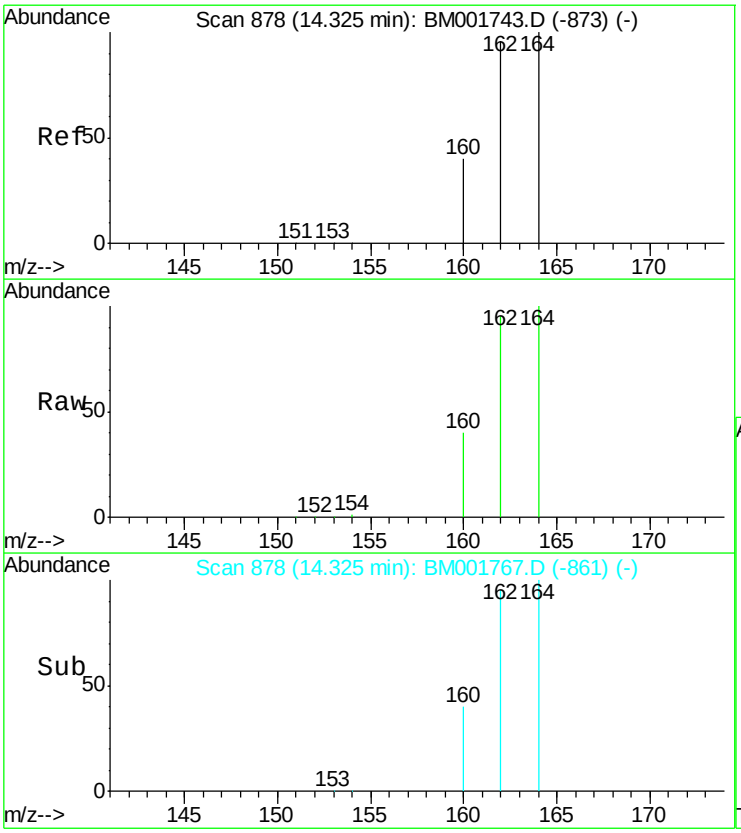
#11
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.13 min Scan# 679
Delta R.T. 0.01 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:142 Resp: 1000

Ion	Ratio	Lower	Upper
142	100		
141	83.3	73.6	110.4
115	39.2	34.1	51.1

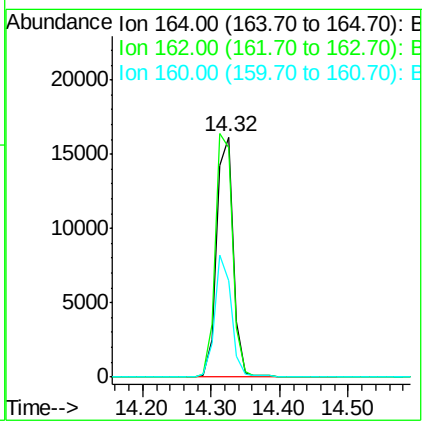


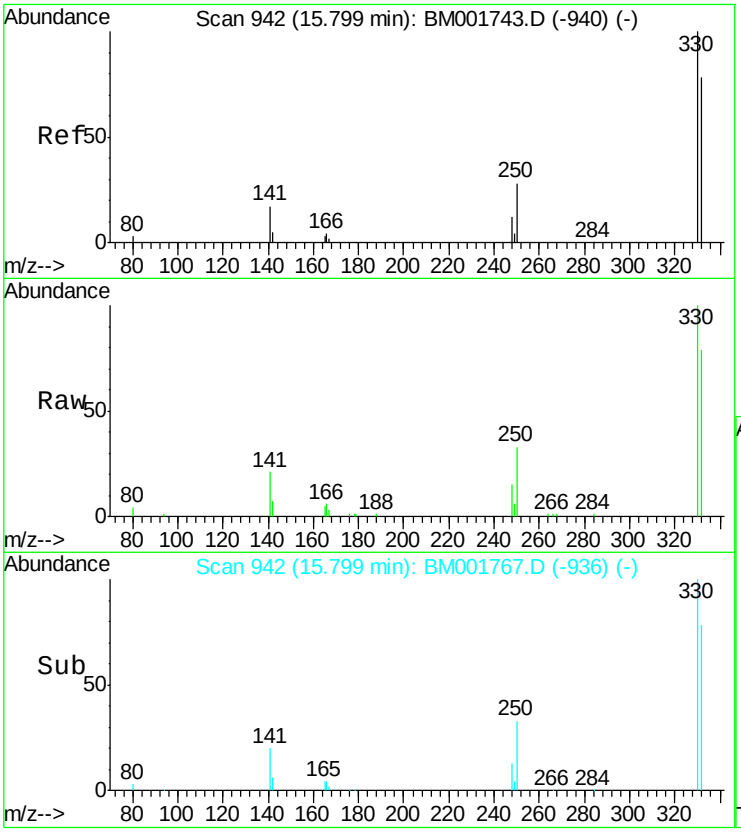


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.32 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:164 Resp: 26833

Ion	Ratio	Lower	Upper
164	100		
162	95.5	76.6	114.8
160	39.9	31.8	47.8



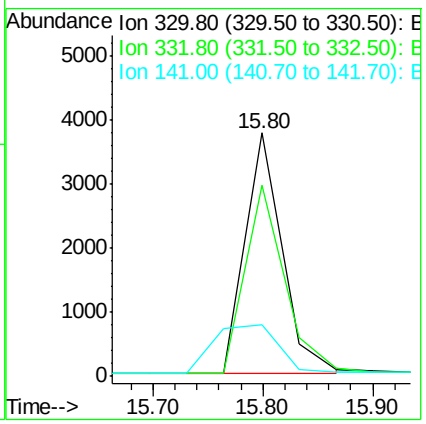


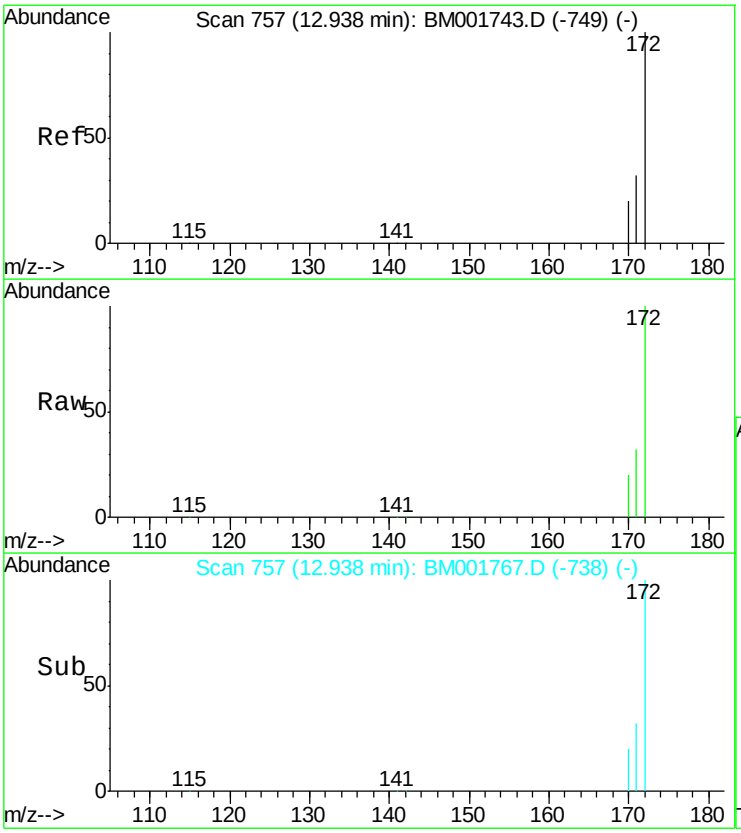
#13
2,4,6-Tribromophenol
Concen: 10.44 ng
RT: 15.80 min Scan# 942
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:330 Resp: 8745

Ion	Ratio	Lower	Upper
330	100		
332	83.4	65.8	98.8
141	35.7	0.0	0.0#

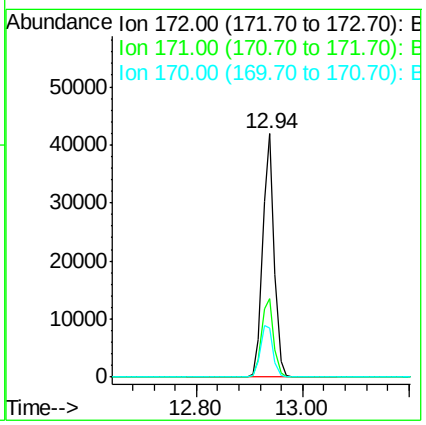


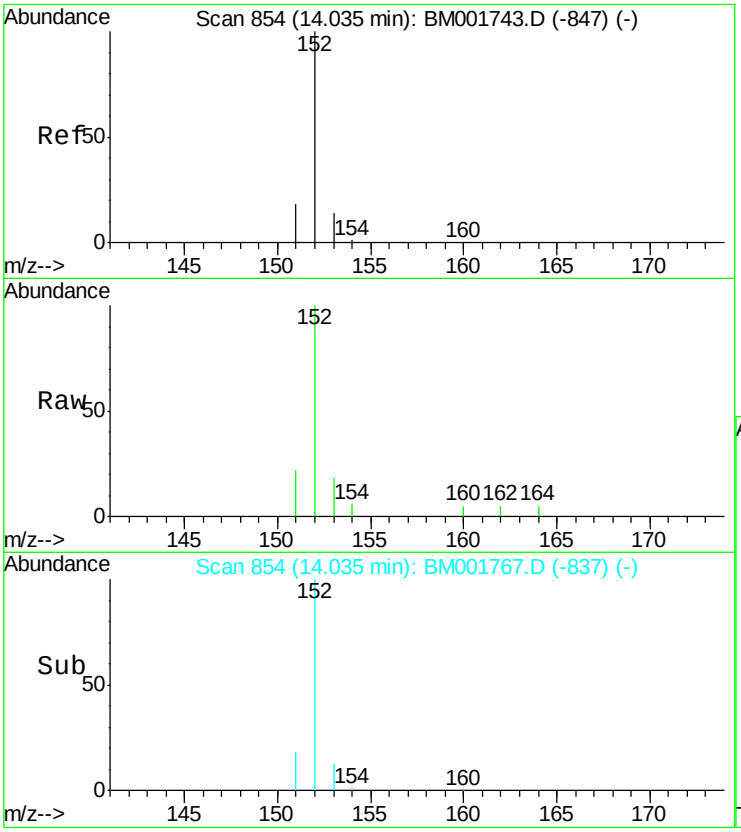


#14
2-Fluorobiphenyl
Concen: 6.51 ng
RT: 12.94 min Scan# 757
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:172 Resp: 62410

Ion	Ratio	Lower	Upper
172	100		
171	32.1	26.2	39.2
170	20.0	16.6	24.8



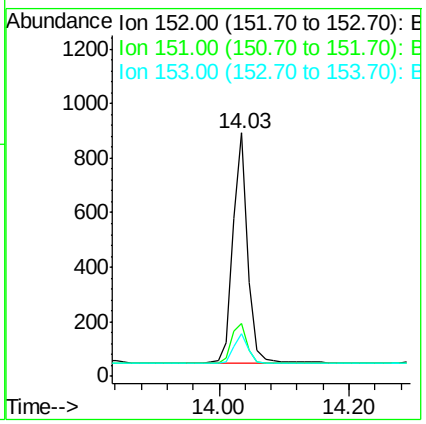


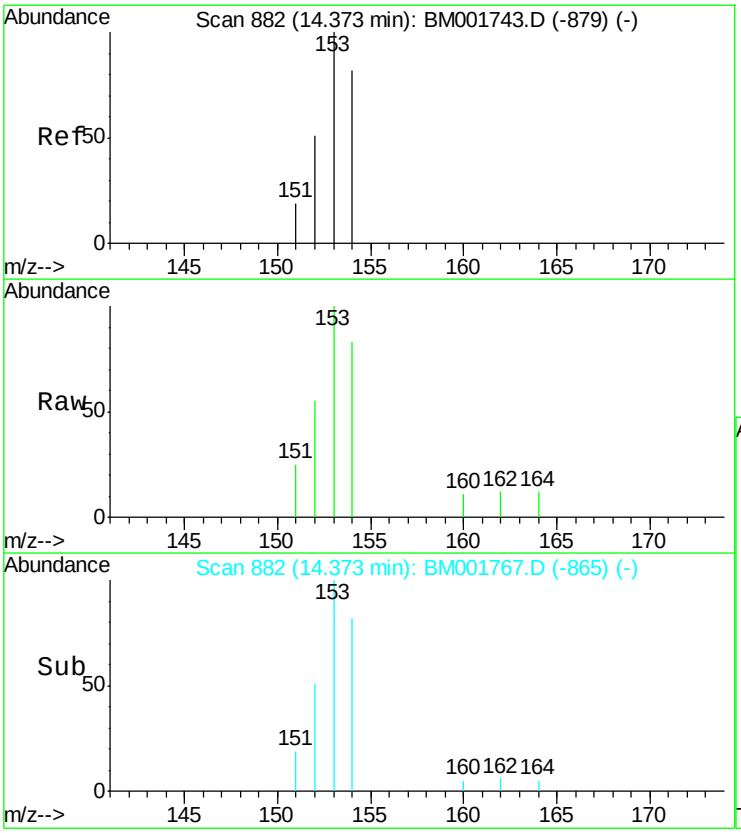
#15
Acenaphthylene
Concen: 0.11 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:152 Resp: 1356

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.3	10.4	15.6

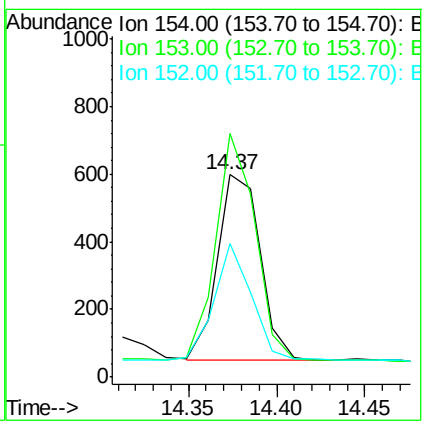


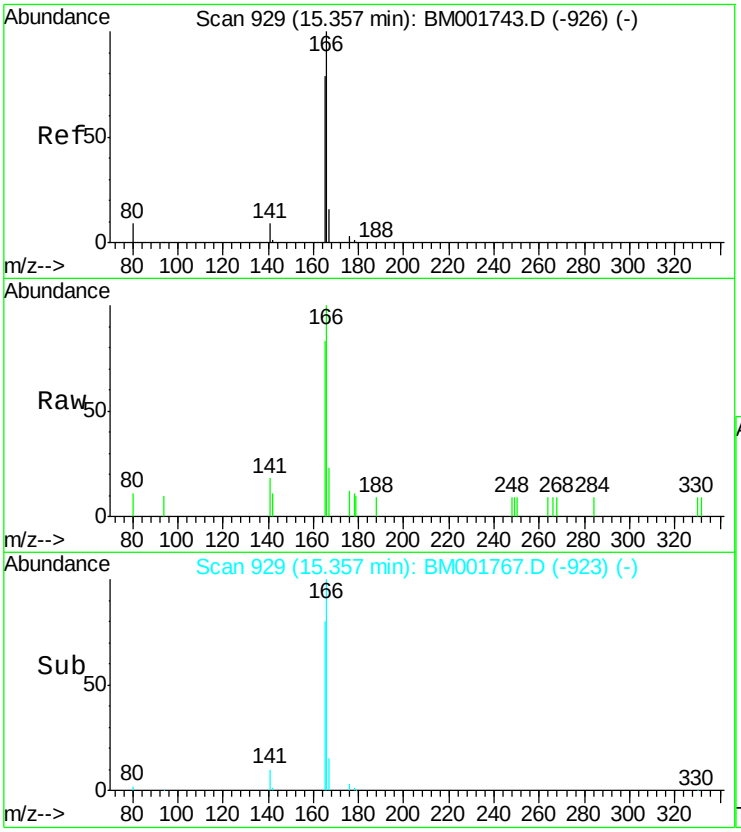


#16
Acenaphthene
Concen: 0.12 ng
RT: 14.37 min Scan# 882
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:154 Resp: 927

Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.0	135.0
152	55.9	44.2	66.4



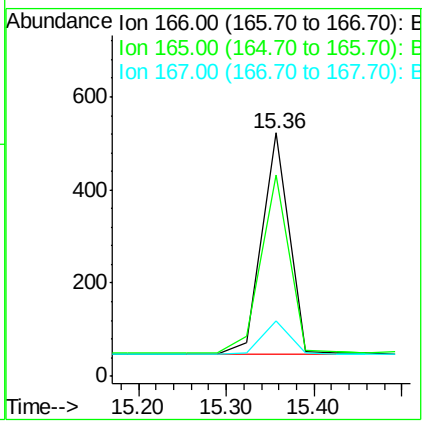


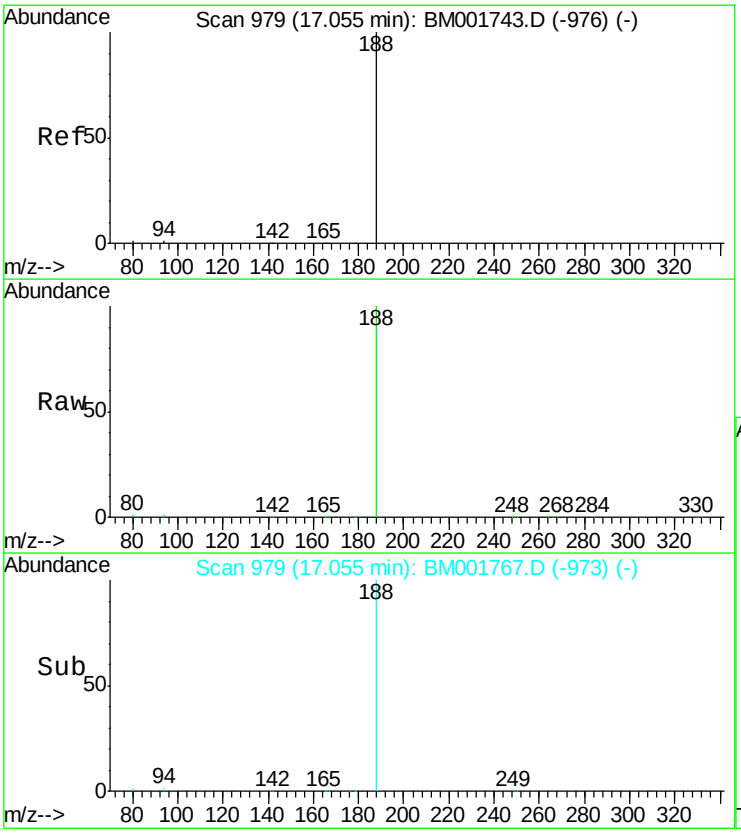
#17
Fluorene
Concen: 0.15 ng
RT: 15.36 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:166 Resp: 1035

Ion	Ratio	Lower	Upper
166	100		
165	83.5	68.2	102.2
167	15.4	12.2	18.2

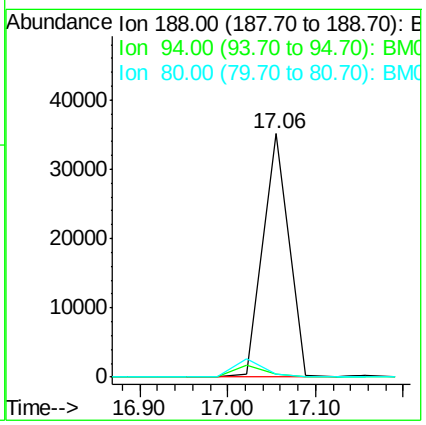


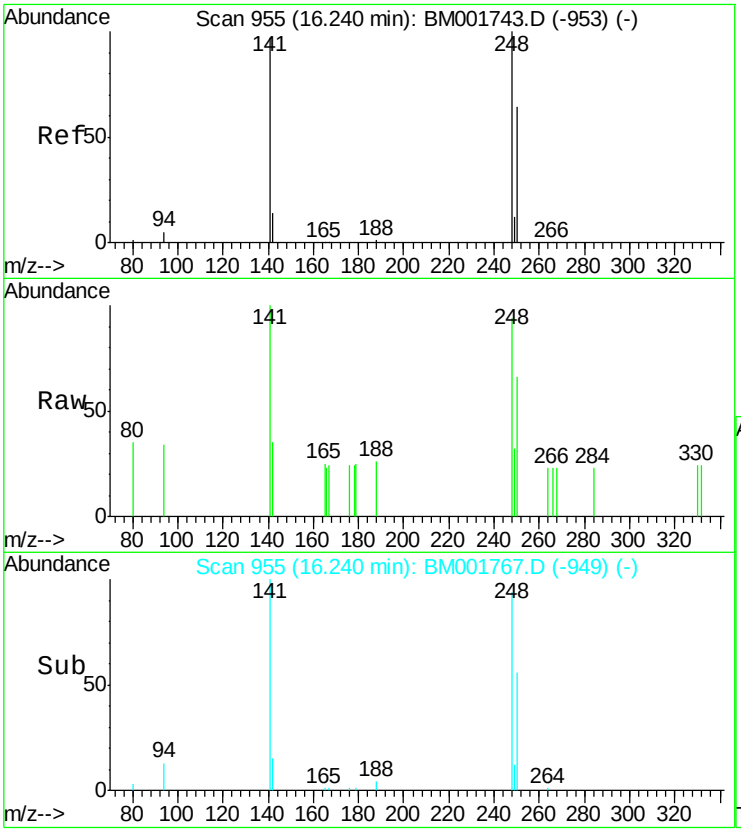


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:188 Resp: 72606

Ion	Ratio	Lower	Upper
188	100		
94	1.5	1.3	1.9
80	1.3	1.0	1.6



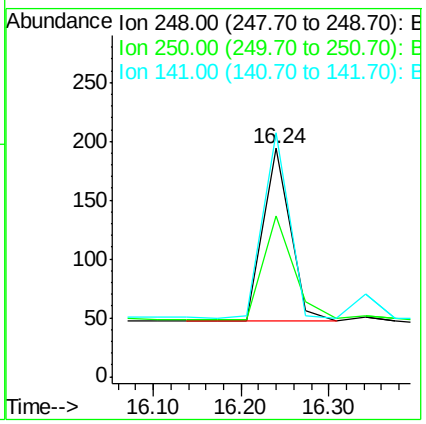


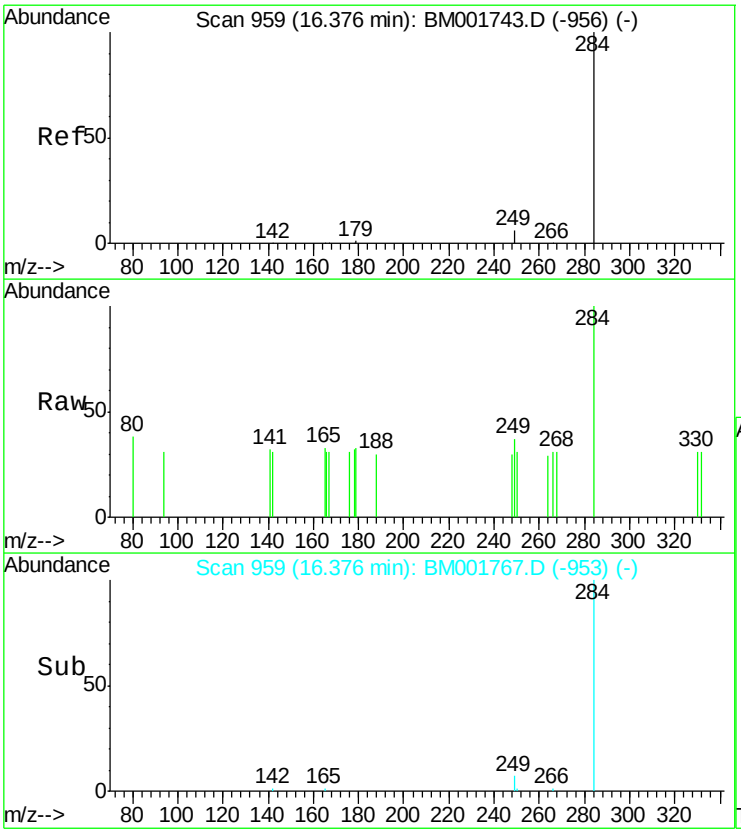
#19
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:248 Resp: 318

Ion	Ratio	Lower	Upper
248	100		
250	67.9	54.8	82.2
141	103.1	76.2	114.4

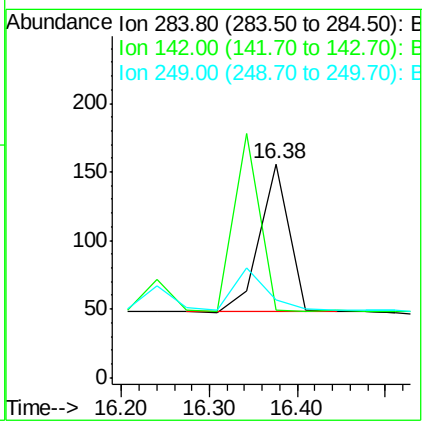


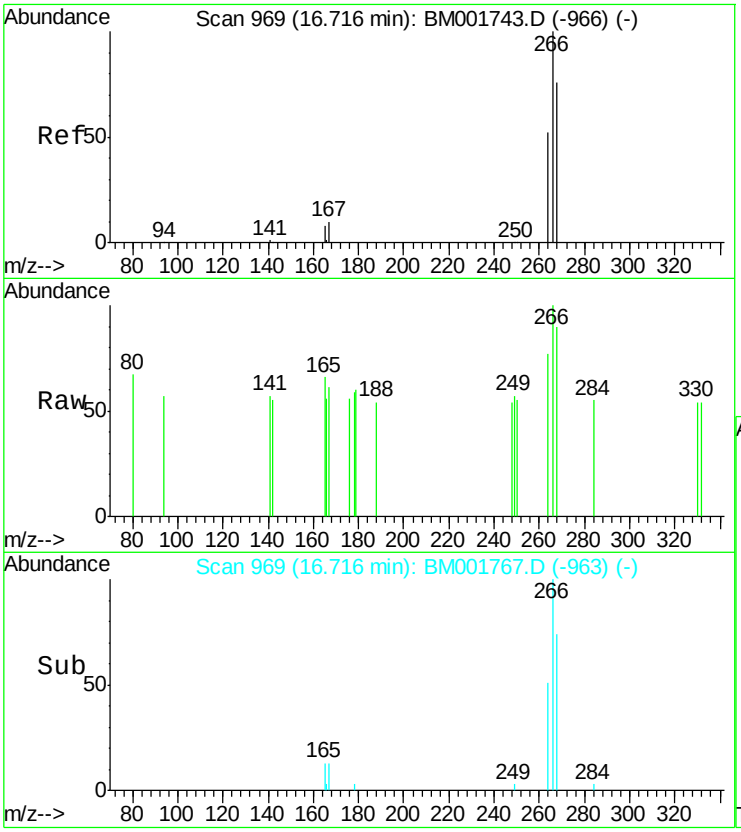


#20
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:284 Resp: 251

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



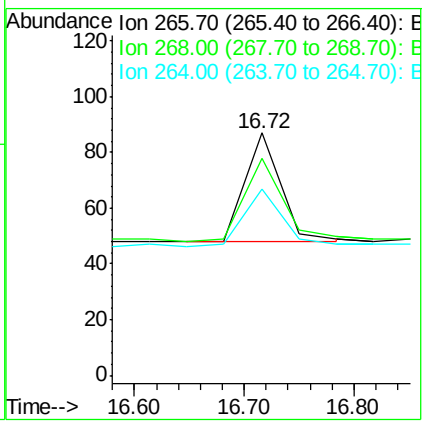


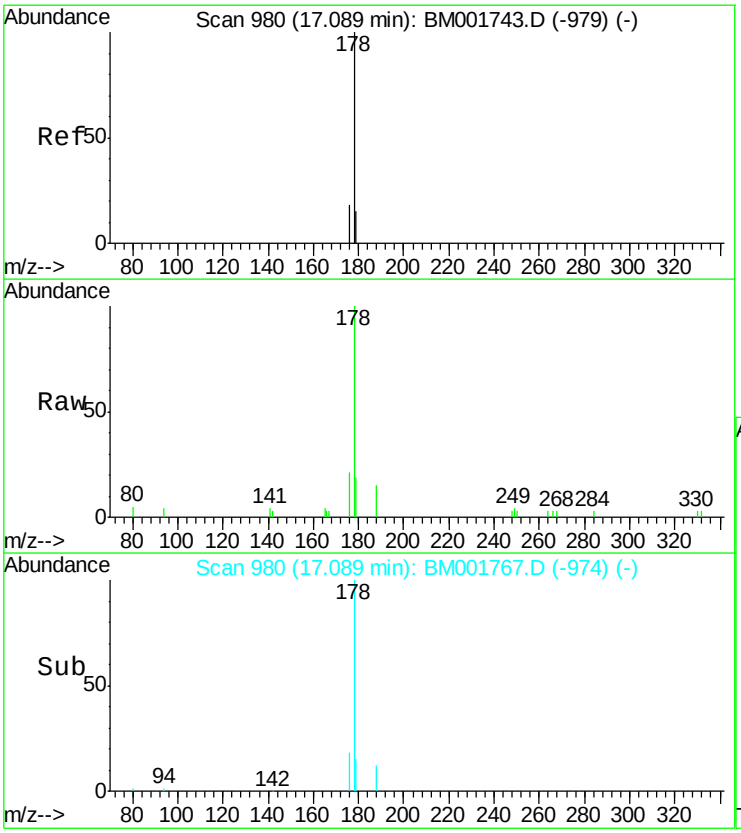
#21
Pentachlorophenol
Concen: 0.10 ng
RT: 16.72 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:266 Resp: 88

Ion	Ratio	Lower	Upper
266	100		
268	89.7	63.2	94.8
264	77.0	46.2	69.2#

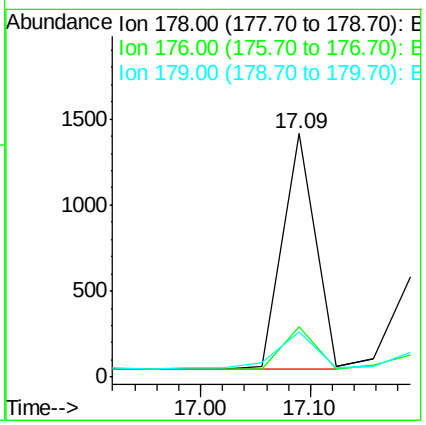


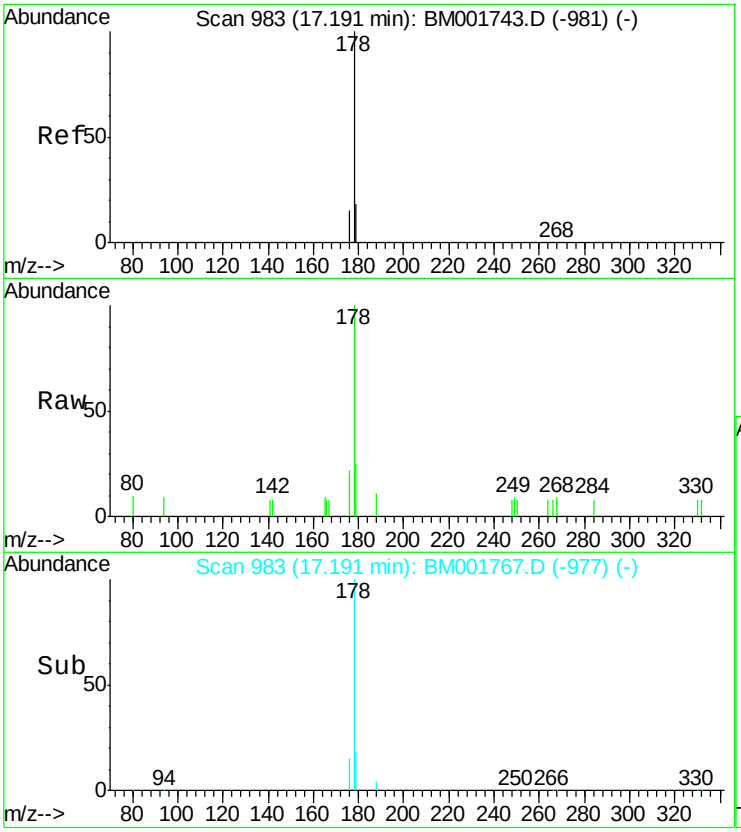


#22
Phenanthrene
Concen: 0.11 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:178 Resp: 2835

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	17.8	12.6	19.0



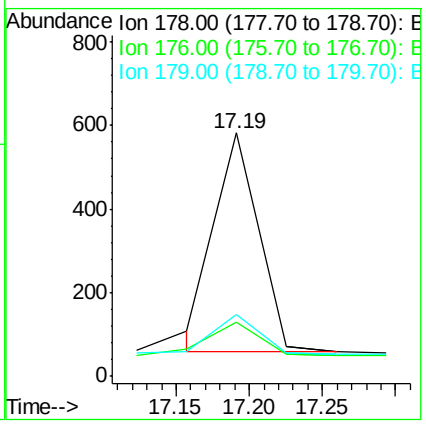


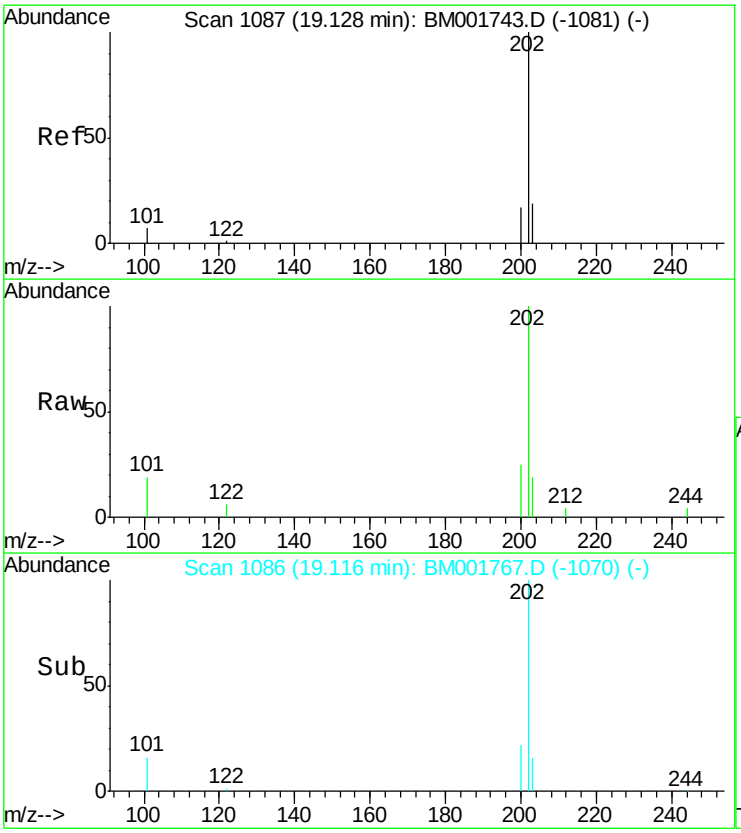
#23
Anthracene
Concen: 0.10 ng
RT: 17.19 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:178 Resp: 1091

Ion	Ratio	Lower	Upper
178	100		
176	15.1	10.0	15.0#
179	17.8	12.3	18.5

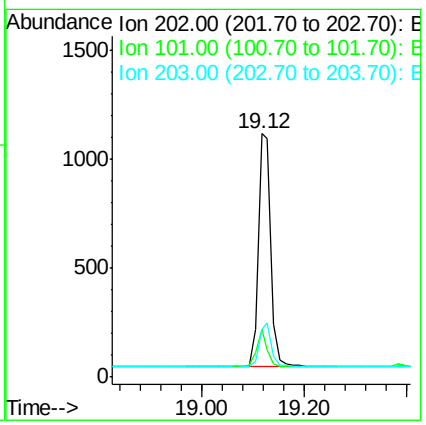


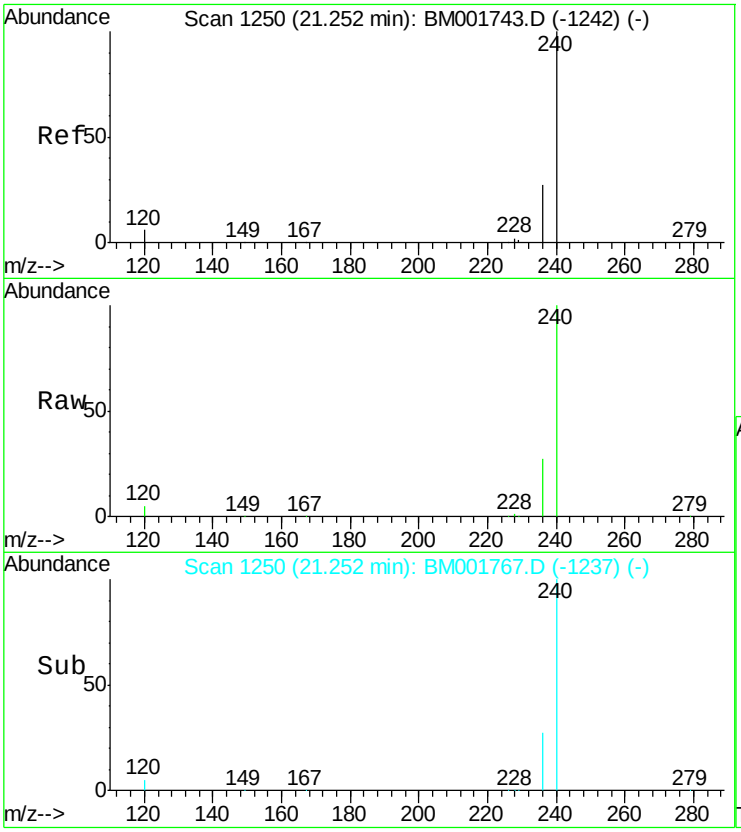


#24
Fluoranthene
Concen: 0.12 ng
RT: 19.12 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:202 Resp: 1873

Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.8	16.2
203	17.5	13.8	20.6



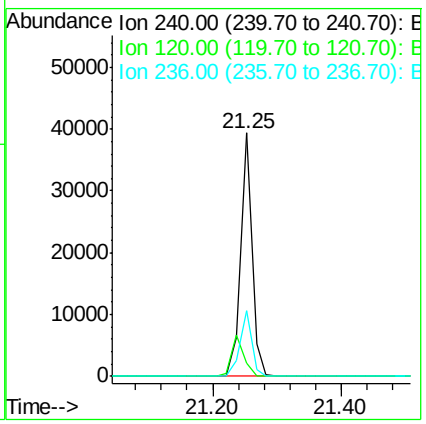


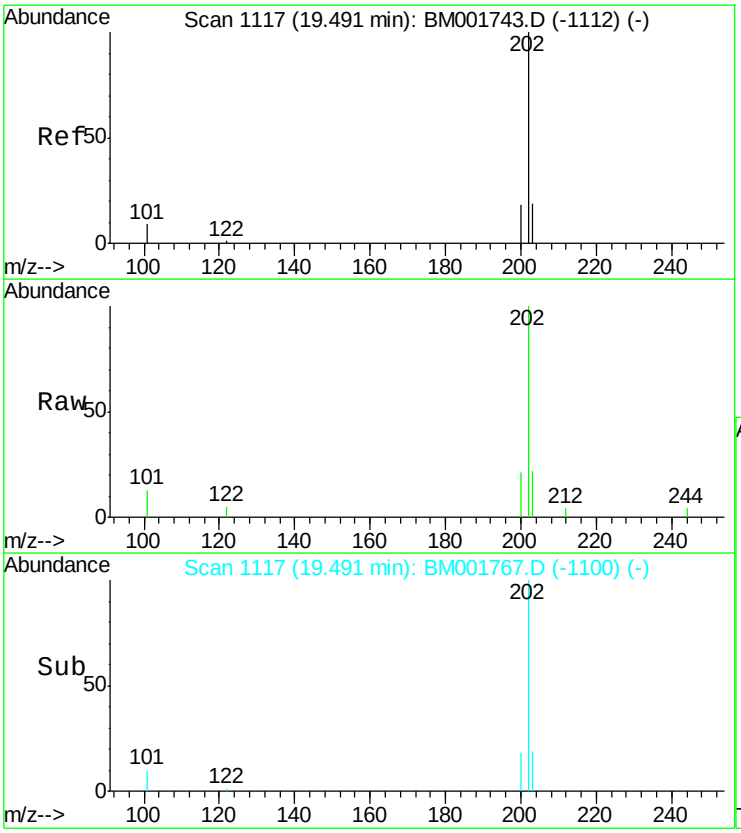
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:240 Resp: 47619

Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.7	7.1
236	26.8	21.6	32.4

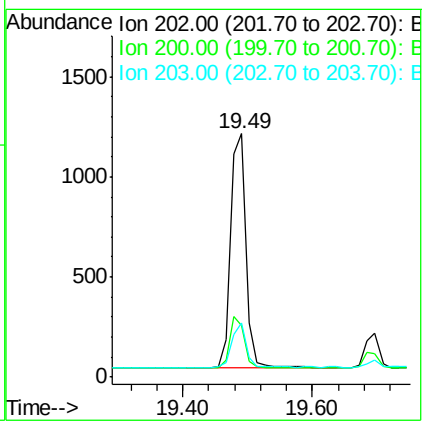


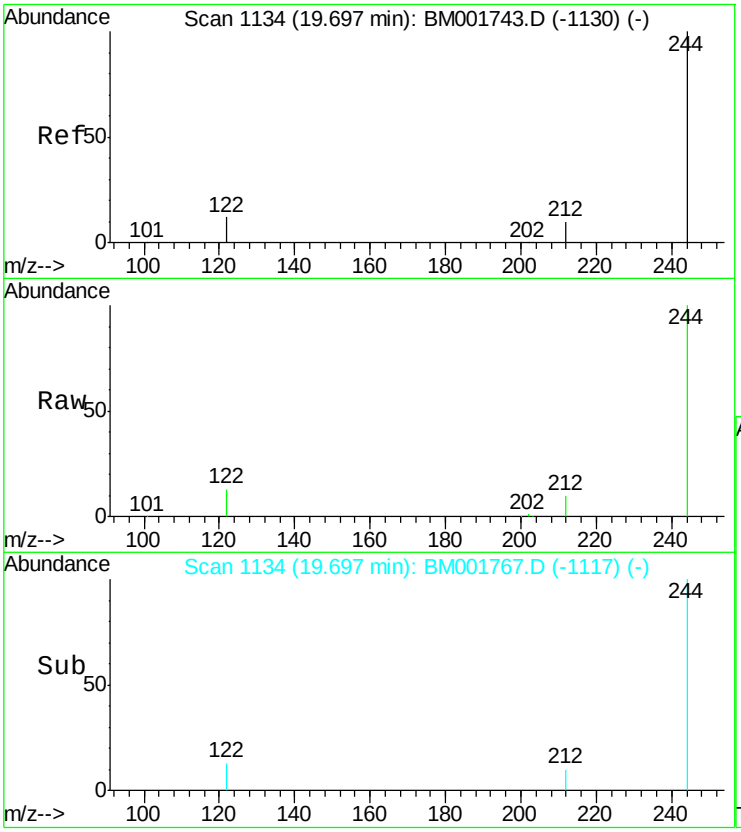


#26
Pyrene
Concen: 0.12 ng
RT: 19.49 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:202 Resp: 1939

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.2	13.9	20.9



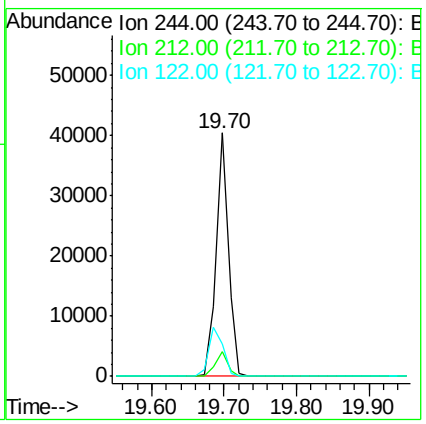


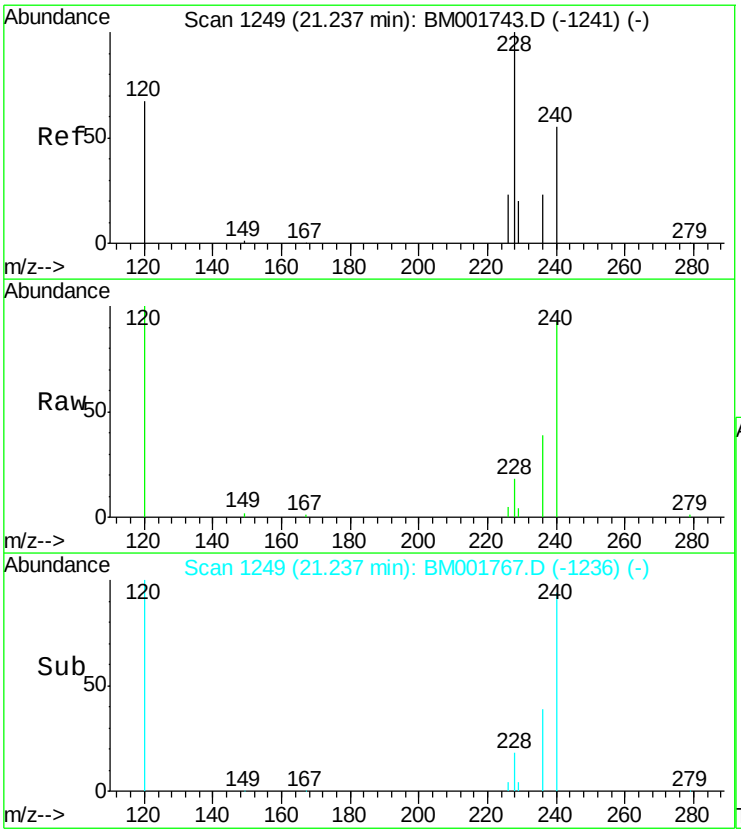
#27
Terphenyl-d14
Concen: 6.85 ng
RT: 19.70 min Scan# 1134
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:244 Resp: 48034

Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.6	13.0
122	13.3	10.6	15.8

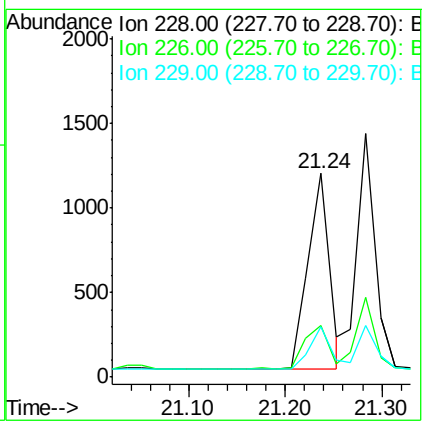


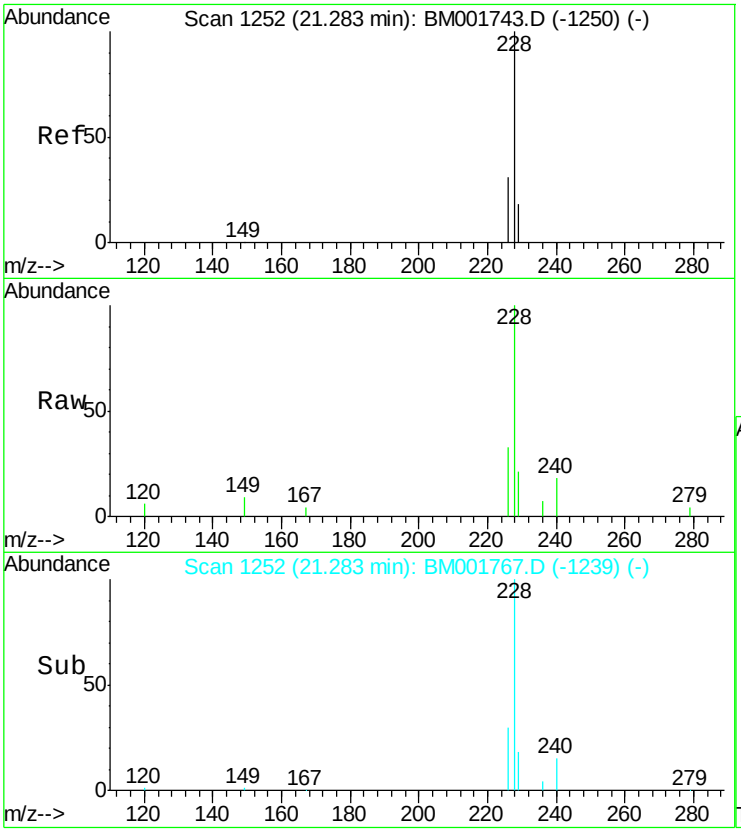


#28
Benzo(a)anthracene
Concen: 0.12 ng
RT: 21.24 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:228 Resp: 1764

Ion	Ratio	Lower	Upper
228	100		
226	25.3	18.9	28.3
229	24.5	16.6	25.0



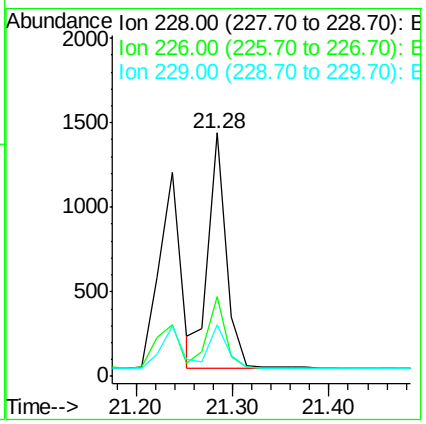


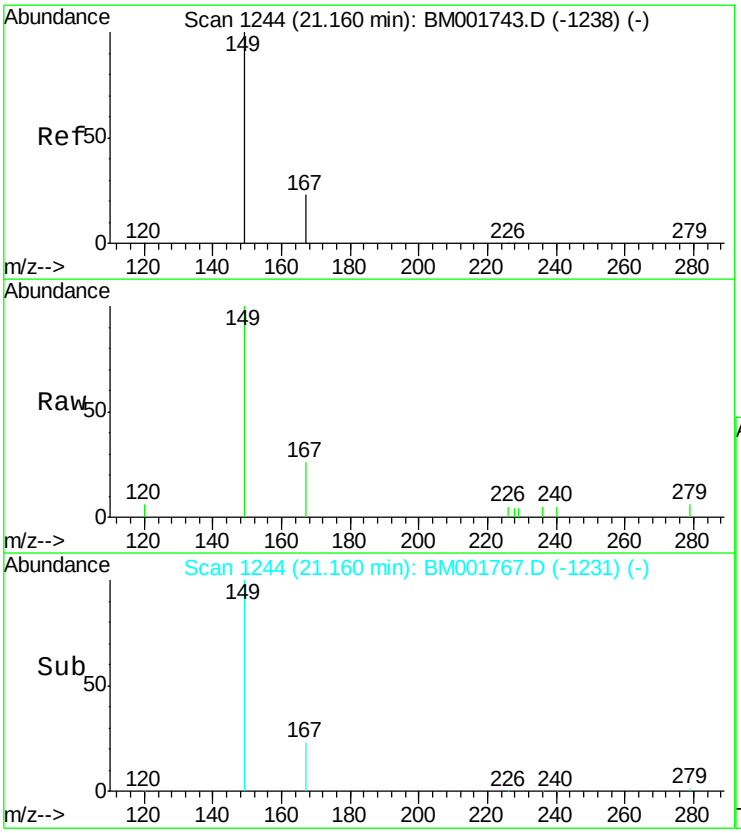
#29
Chrysene
Concen: 0.12 ng
RT: 21.28 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:228 Resp: 1828

Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.3	36.5
229	21.1	15.0	22.6

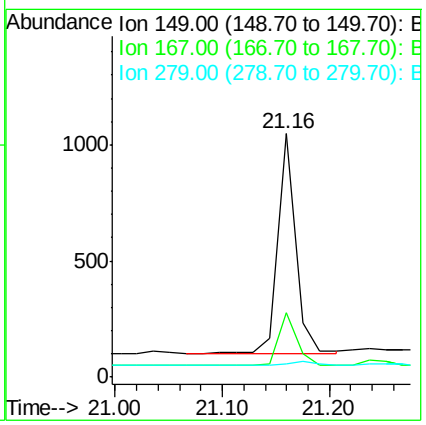


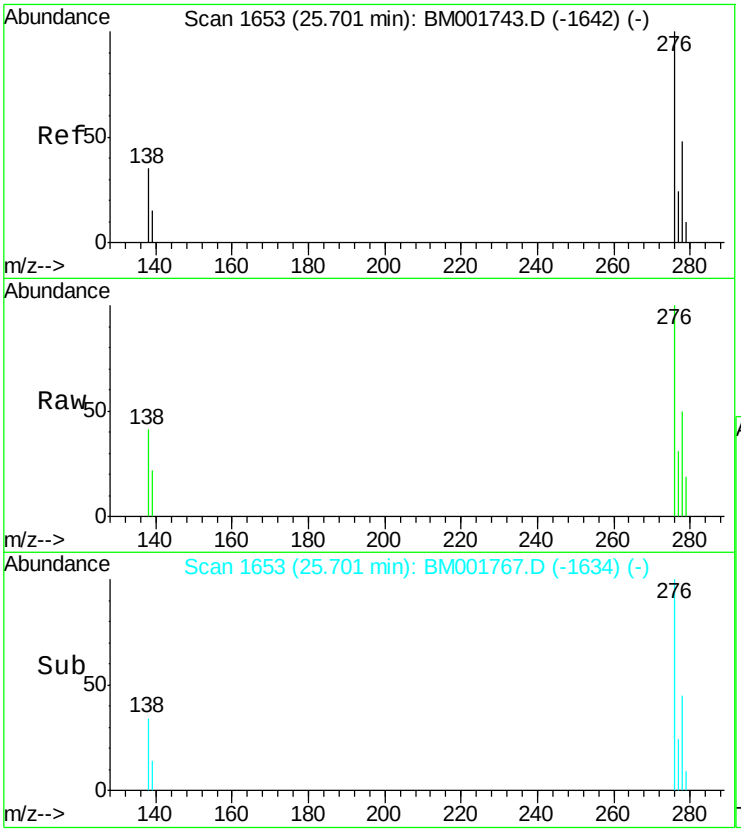


#30
Bis(2-ethylhexyl)phthalate
Concen: 0.13 ng
RT: 21.16 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:149 Resp: 1090

Ion	Ratio	Lower	Upper
149	100		
167	25.5	19.7	29.5
279	2.5	1.6	2.4#



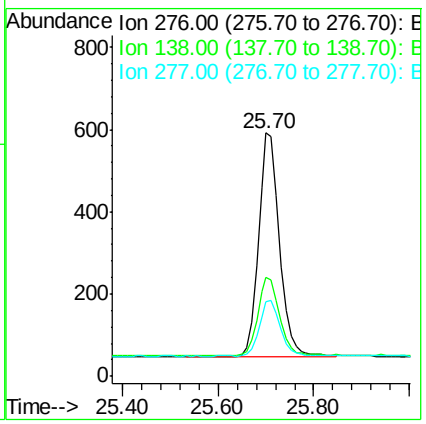


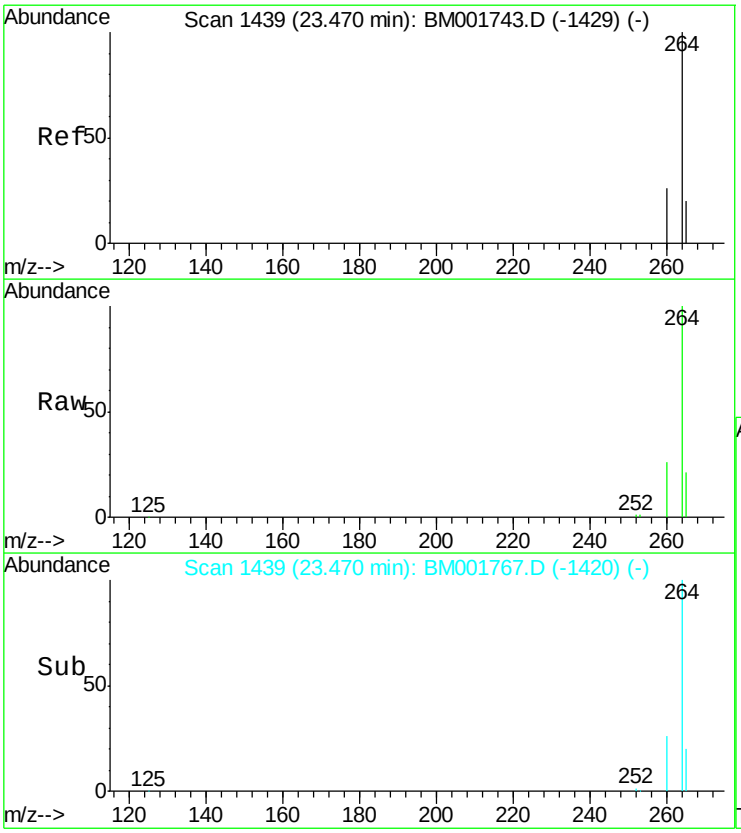
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.12 ng
RT: 25.70 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:276 Resp: 1674

Ion	Ratio	Lower	Upper
276	100		
138	35.5	29.0	43.6
277	25.0	19.7	29.5

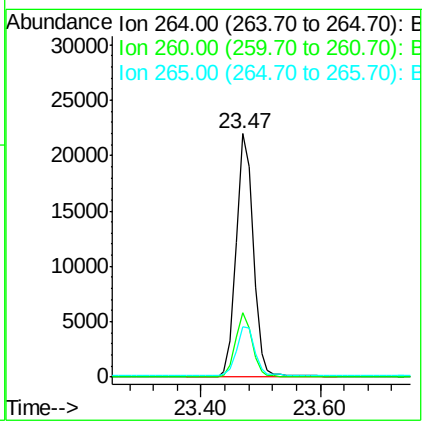


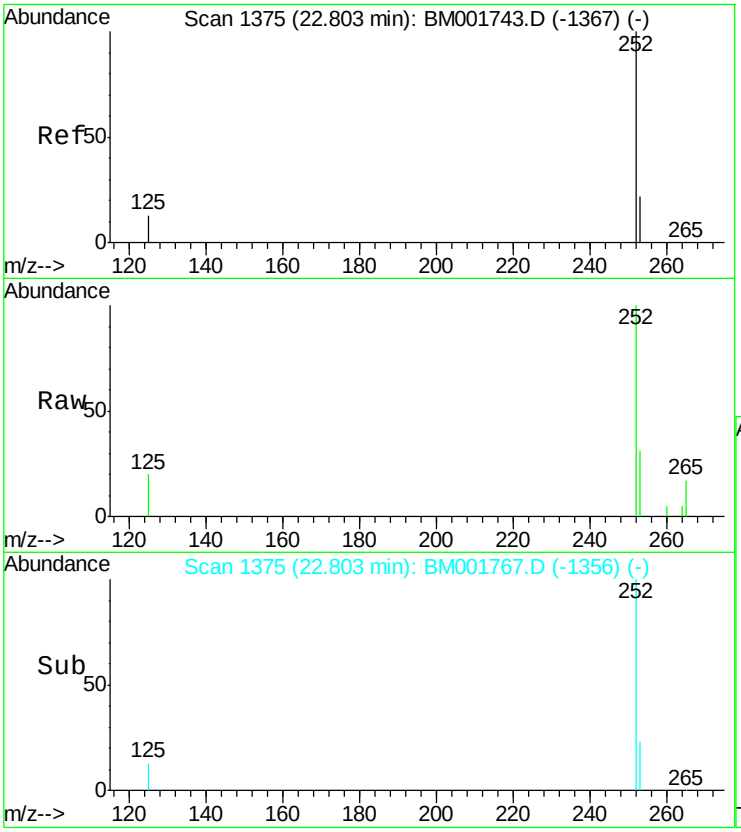


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.47 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:264 Resp: 42816

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.8	31.2
265	20.8	16.8	25.2



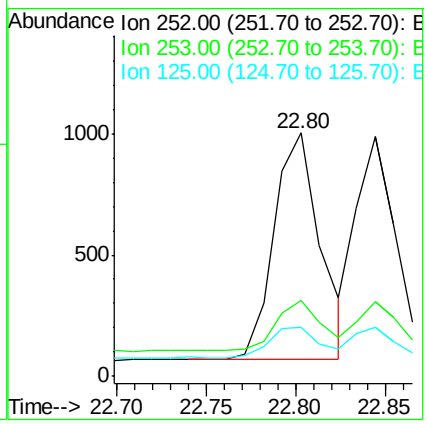


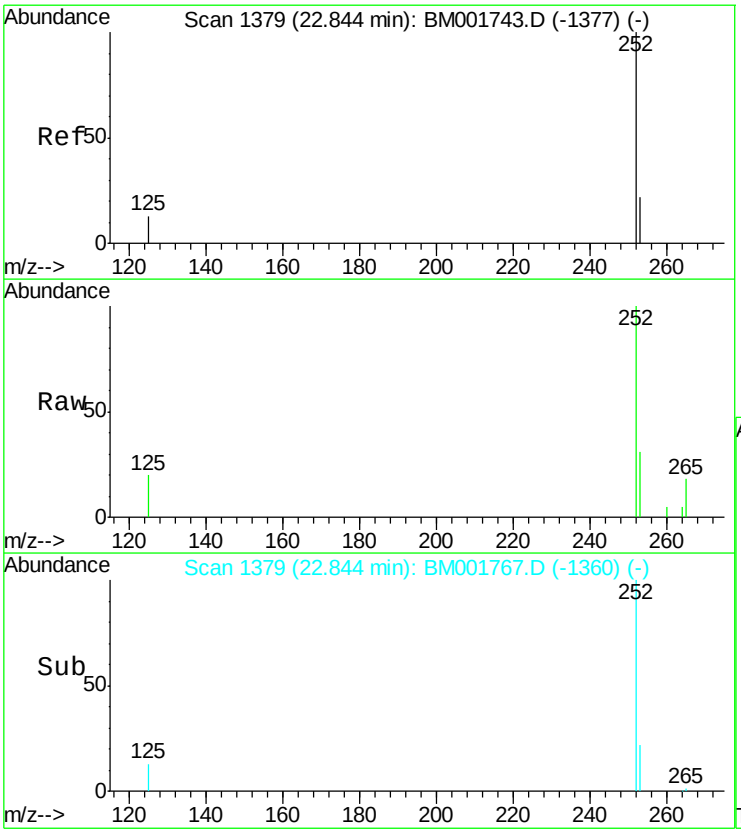
#33
Benzo(b)fluoranthene
Concen: 0.12 ng
RT: 22.80 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:252 Resp: 1691

Ion	Ratio	Lower	Upper
252	100		
253	31.3	19.0	28.4#
125	19.9	11.3	16.9#

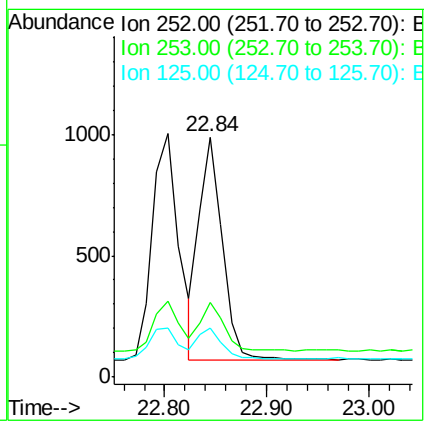


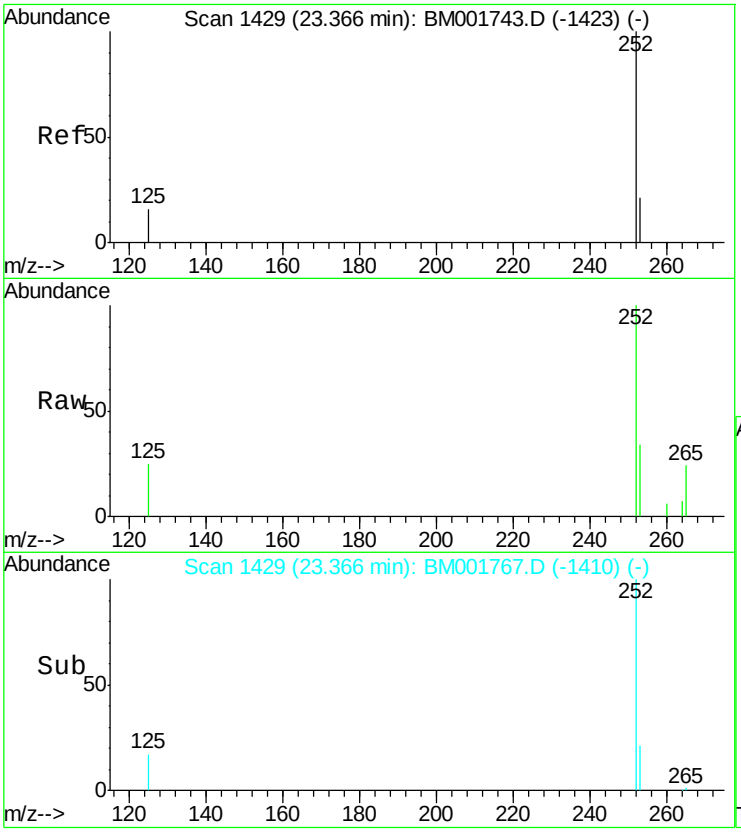


#34
Benzo(k)fluoranthene
Concen: 0.12 ng
RT: 22.84 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:252 Resp: 1467

Ion	Ratio	Lower	Upper
252	100		
253	31.2	18.2	27.4#
125	20.2	11.8	17.6#



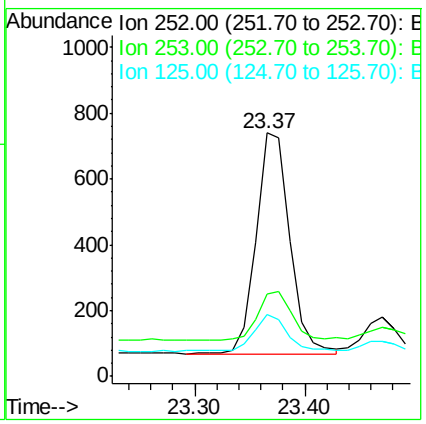


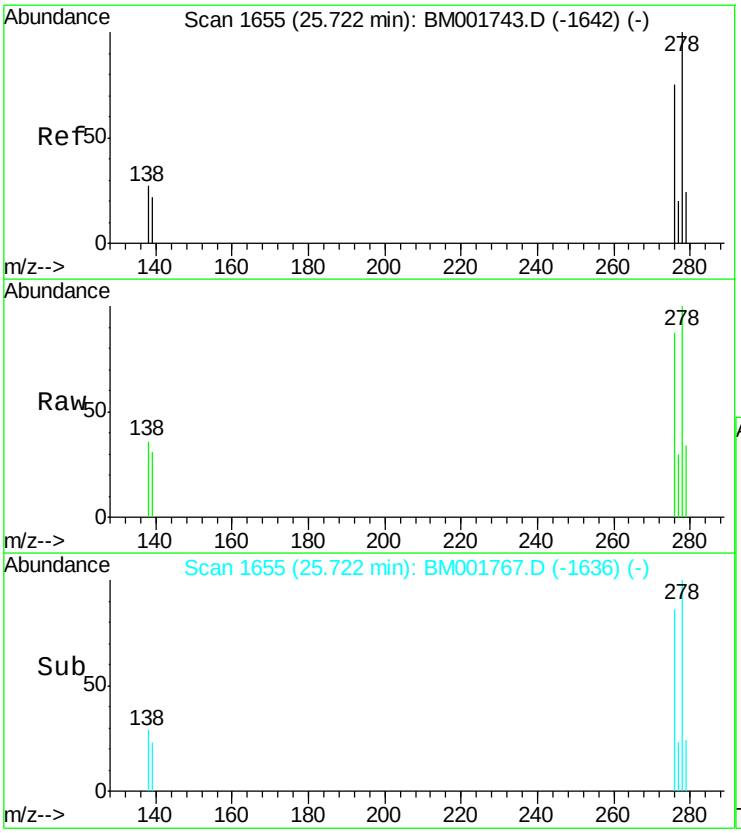
#35
Benzo(a)pyrene
Concen: 0.12 ng
RT: 23.37 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:252 Resp: 1415

Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.9	26.9#
125	25.4	14.1	21.1#

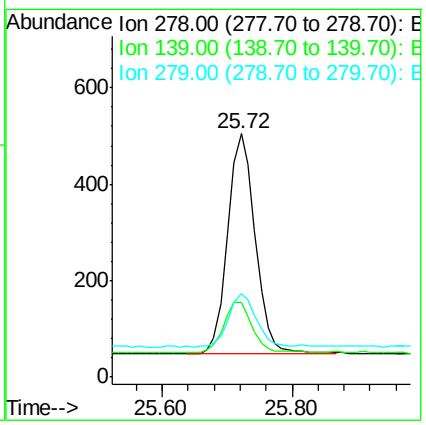


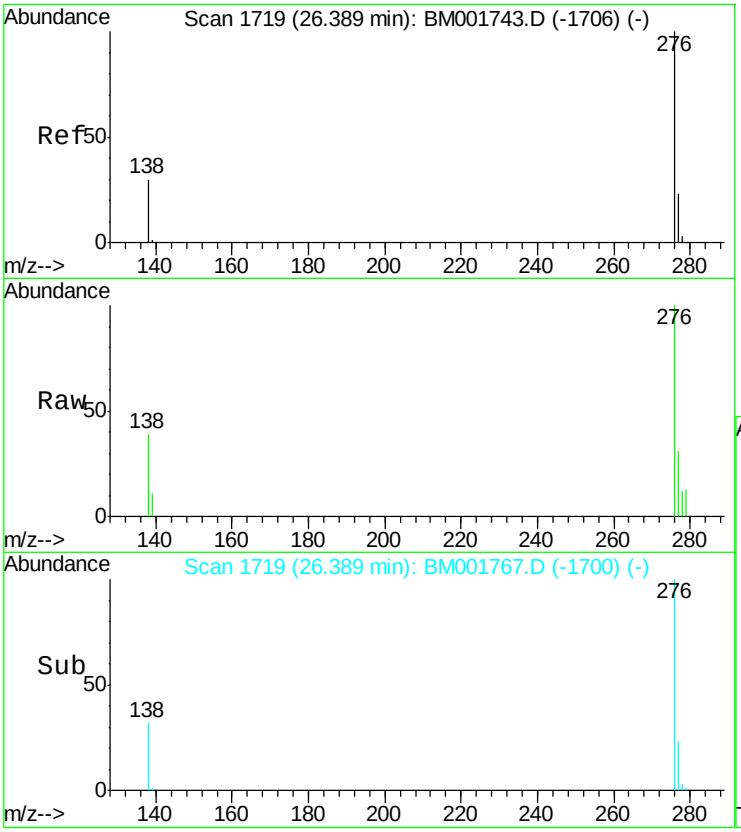


#36
Dibenzo(a,h)anthracene
Concen: 0.11 ng
RT: 25.72 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:278 Resp: 1341

Ion	Ratio	Lower	Upper
278	100		
139	30.7	18.4	27.6#
279	34.5	19.8	29.8#





#37
Benzo(g,h,i)perylene
Concen: 0.12 ng
RT: 26.39 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:276 Resp: 1521

Ion	Ratio	Lower	Upper
276	100		
277	30.8	19.3	28.9#
138	38.6	24.7	37.1#