Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
Data File : BM003918.D
Acq On : 31 Dec 2015 17:28
Operator : SJ/UM
Sample : G4825-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-SOIL2016-01

Quant Time: Jan 02 05:09:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 15:37:36 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	40624	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	165185	5.00	ng		0.00
13) Acenaphthene-d10	14.31	164	84431	5.00	ng		-0.02
19) Phenanthrene-d10	17.07	188	212691	5.00	ng		0.00
26) Chrysene-d12	21.28	240	147277	5.00	ng		0.01
35) Perylene-d12	23.52	264	102792	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	73823	8.88	ng		0.00
5) Phenol-d6	6.85	99	91097	8.95	ng		0.00
8) Nitrobenzene-d5	8.84	82	35617	4.39	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	16826	6.67	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	127764	4.69	ng		0.00
29) Terphenyl-d14	19.71	244	112373	4.71	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	516	0.09	ng	#	78
3) n-Nitrosodimethylamine	3.51	42	268	0.06	ng	#	83
6) bis(2-Chloroethyl)ether	7.11	93	765	0.08	ng		96
9) Nitrobenzene	8.88	77	877	0.10	ng	#	92
10) Naphthalene	10.51	128	3383	0.09	ng	#	94
11) Hexachlorobutadiene	10.80	225	491	0.09	ng		97
12) 2-Methylnaphthalene	12.14	142	2132	0.09	ng	#	89
16) Acenaphthylene	14.05	152	2538	0.07	ng		100
17) Acenaphthene	14.38	154	2670	0.11	ng		92
18) Fluorene	15.38	166	2514	0.09	ng		96
20) 4-Bromophenyl-phenylether	16.28	248	577	0.09	ng	#	60
21) Hexachlorobenzene	16.38	284	662	0.09	ng	#	71
22) Pentachlorophenol	16.76	266	71	0.16	ng	#	73
24) Anthracene	17.20	178	3412	0.08	ng		98
25) Fluoranthene	19.15	202	4205	0.09	ng		99
27) Benzidine	19.37	184	356	0.15	ng	#	9
28) Pyrene	19.51	202	4364	0.08	ng		99
30) Benzo(a)anthracene	21.26	228	7654	0.18	ng	#	93
31) 3,3'-Dichlorobenzidine	21.22	252	550	0.28	ng	#	85
32) Chrysene	21.26	228	7727	0.18	ng	#	91
33) Bis(2-ethylhexyl)phthalate	21.17	149	1543	0.41	ng	#	92
34) Indeno(1,2,3-cd)pyrene	25.78	276	2635	0.08	ng		100
36) Benzo(b)fluoranthene	22.84	252	3153	0.10	ng	#	82
37) Benzo(k)fluoranthene	22.89	252	2618	0.09	ng	#	79
38) Benzo(a)pyrene	23.41	252	2345	0.09	ng	#	74
39) Dibenzo(a,h)anthracene	25.79	278	2046	0.09	ng	#	76
40) Benzo(g,h,i)perylene	26.47	276	2387	0.10	ng	#	86

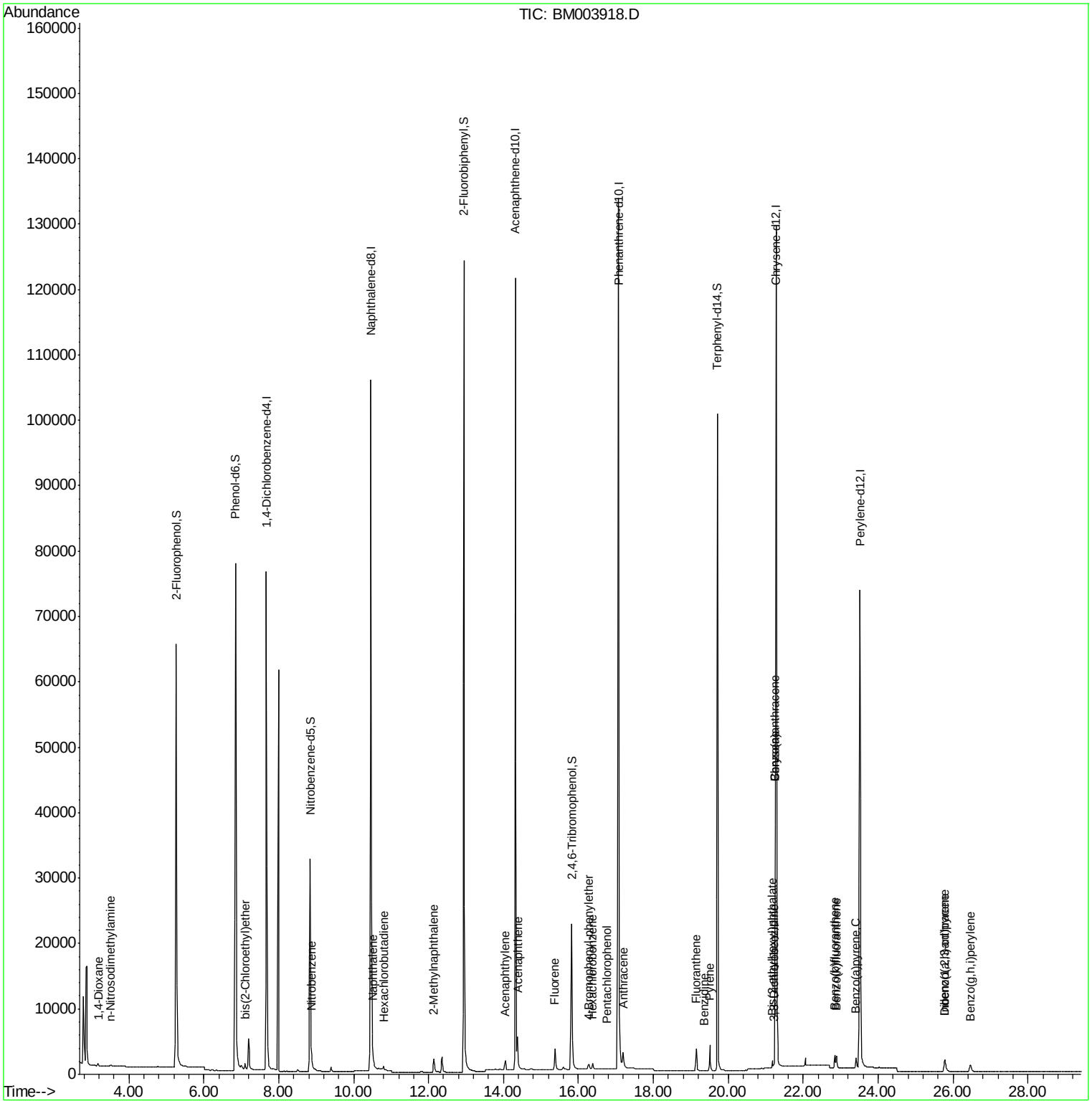
(#) = qualifier out of range (m) = manual integration (+) = signals summed

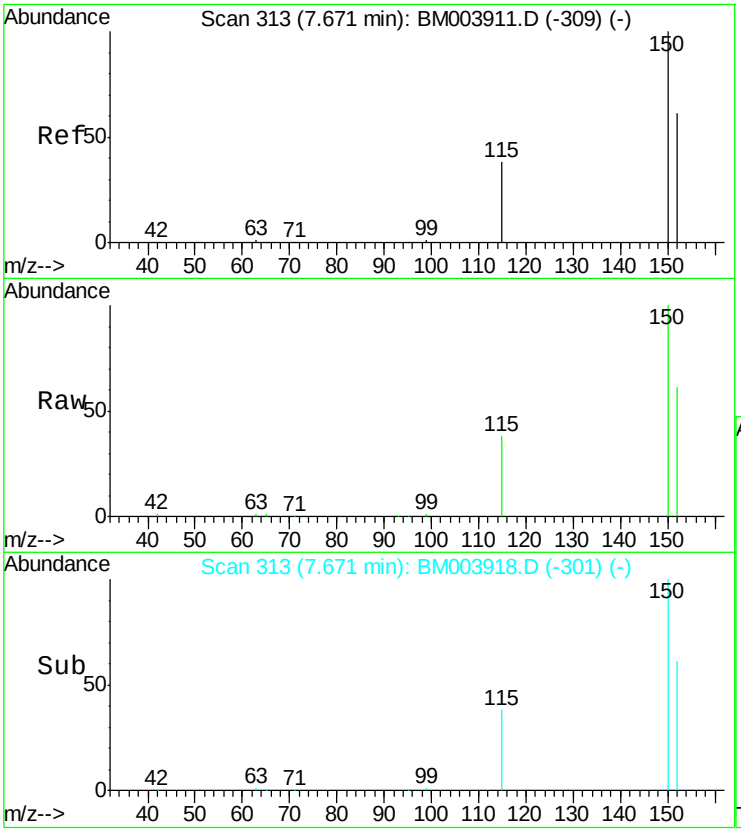
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
Data File : BM003918.D
Acq On : 31 Dec 2015 17:28
Operator : SJ/UM
Sample : G4825-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Quant Time: Jan 02 05:09:57 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM010216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 15:37:36 2015
Response via : Initial Calibration



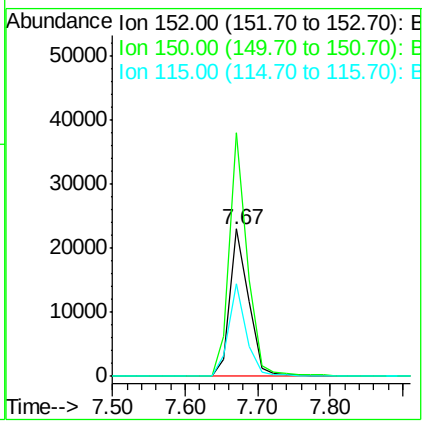


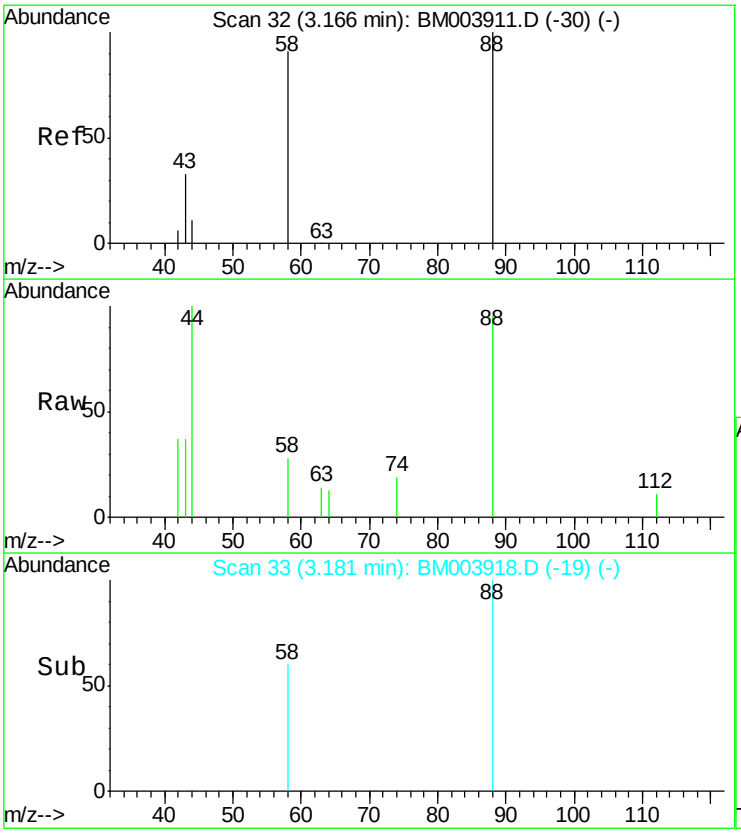
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:152 Resp: 40624

Ion	Ratio	Lower	Upper
152	100		
150	165.0	122.9	184.3
115	62.8	44.4	66.6

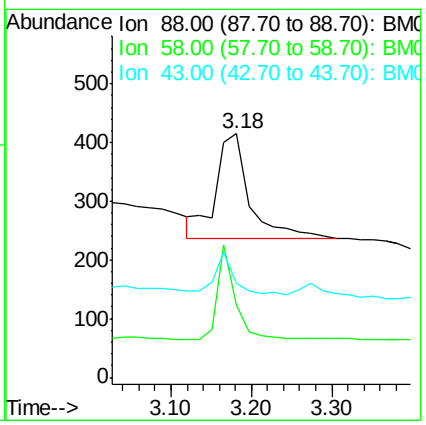


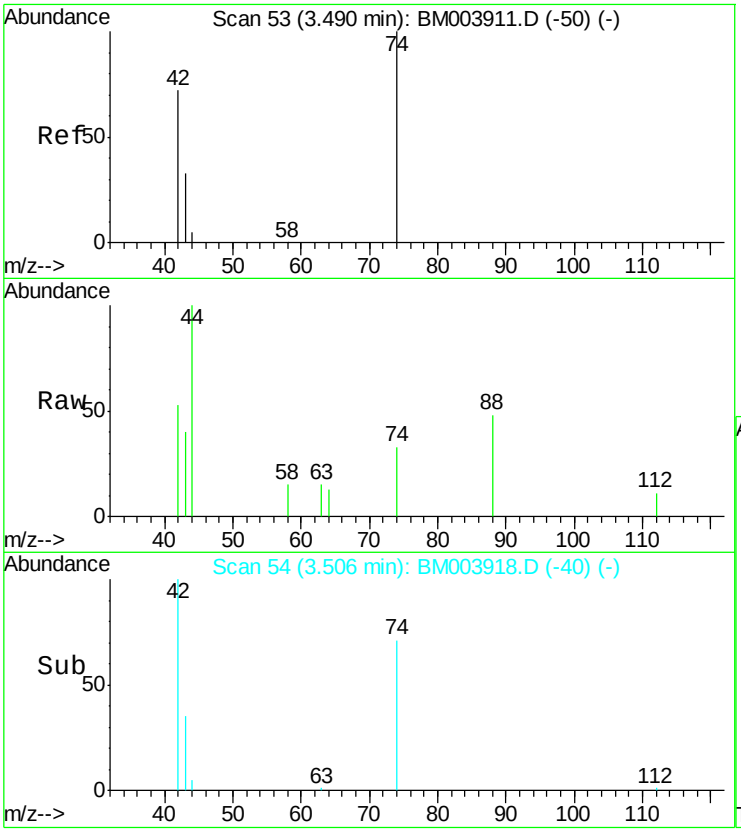


#2
1,4-Dioxane
Concen: 0.09 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion: 88 Resp: 516

Ion	Ratio	Lower	Upper
88	100		
58	46.3	53.8	80.6#
43	23.4	23.8	35.6#



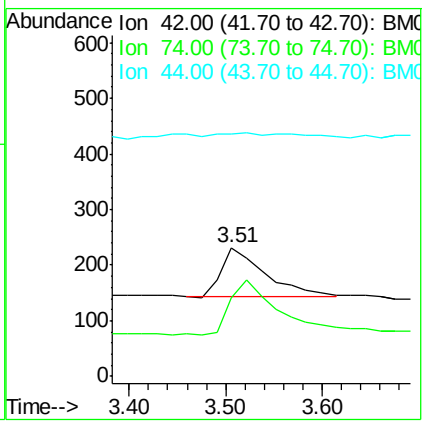


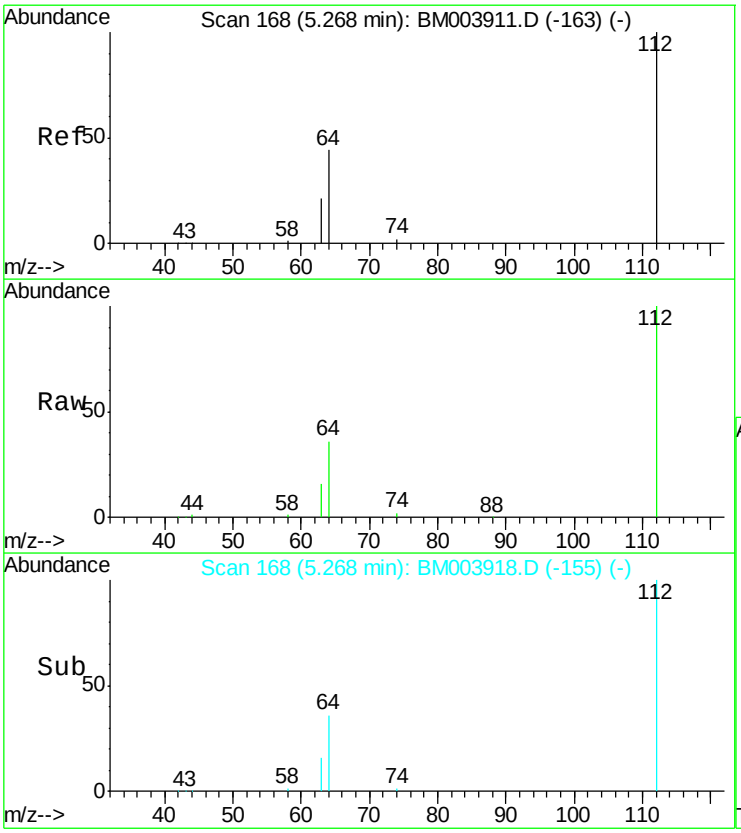
#3
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.51 min Scan# 54
Delta R.T. 0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 42 Resp: 268

Ion	Ratio	Lower	Upper
42	100		
74	135.8	95.0	142.4
44	20.1	5.1	7.7#

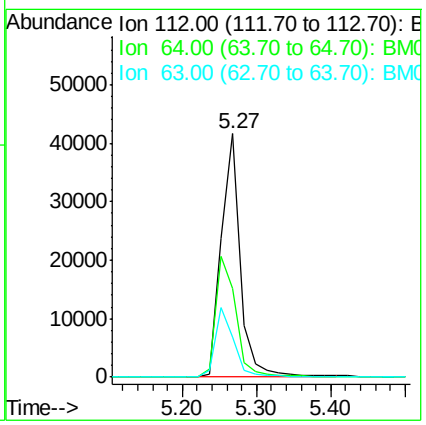


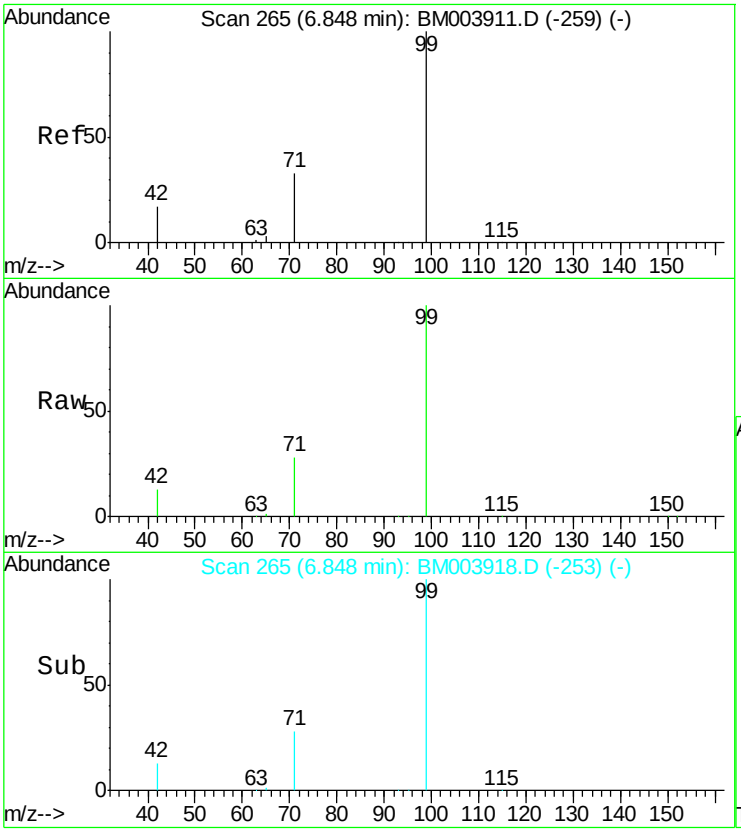


#4
2-Fluorophenol
Concen: 8.88 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:112 Resp: 73823

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.8	62.8
63	27.8	22.1	33.1



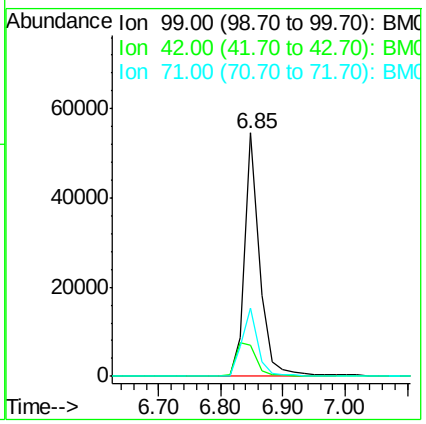


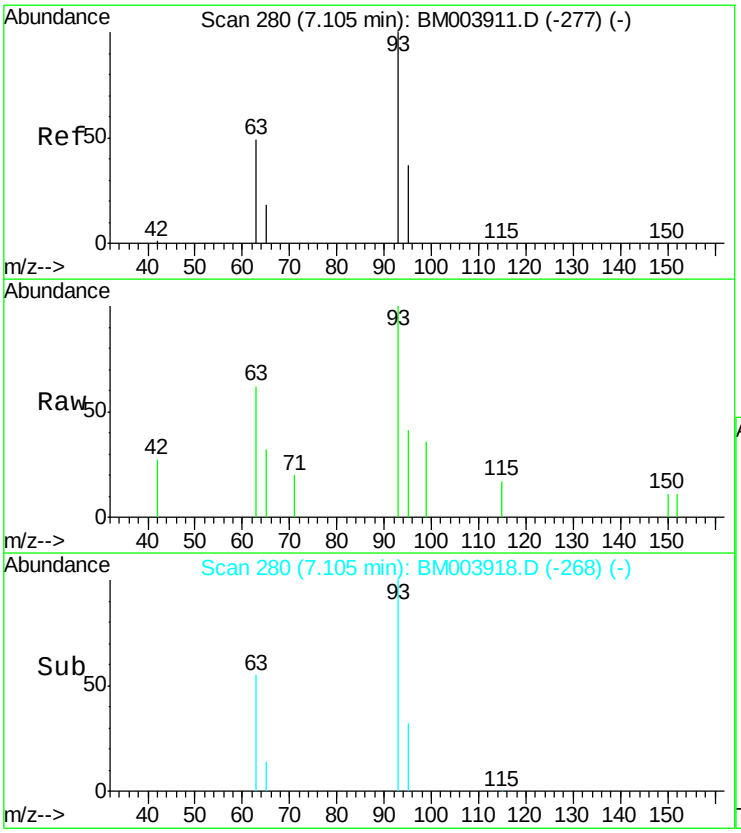
#5
Phenol-d6
Concen: 8.95 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 99 Resp: 91097

Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.2	24.2
71	30.4	24.4	36.6

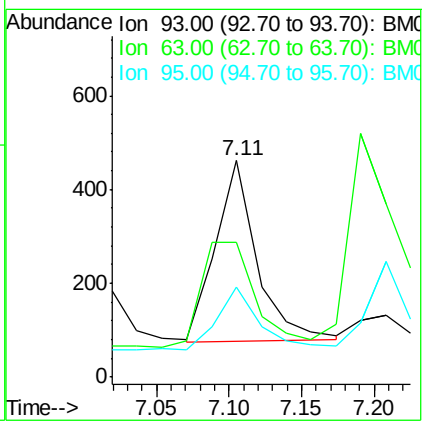


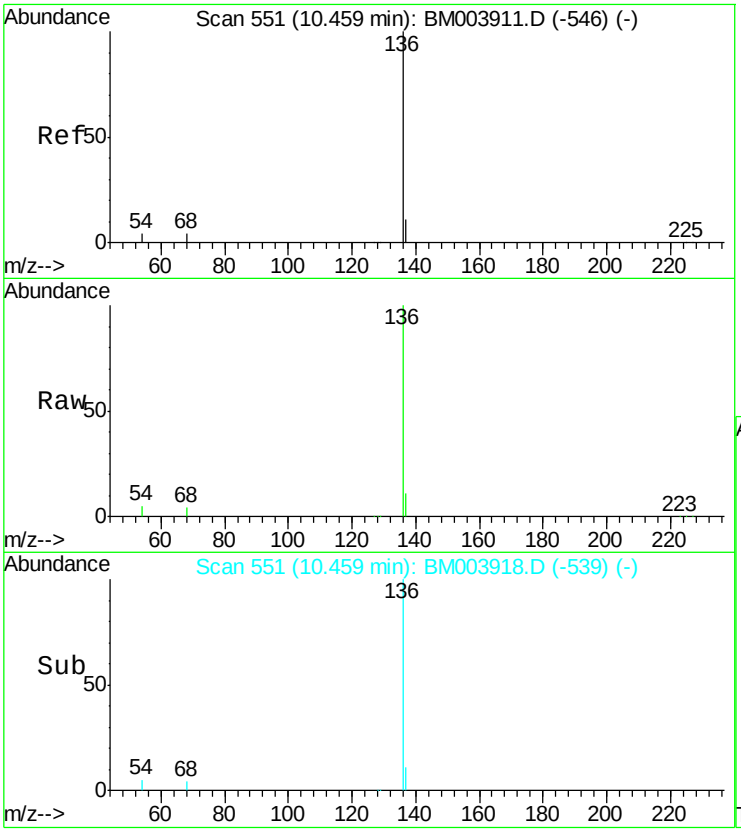


#6
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion: 93 Resp: 765

Ion	Ratio	Lower	Upper
93	100		
63	76.3	58.3	87.5
95	34.9	25.8	38.8



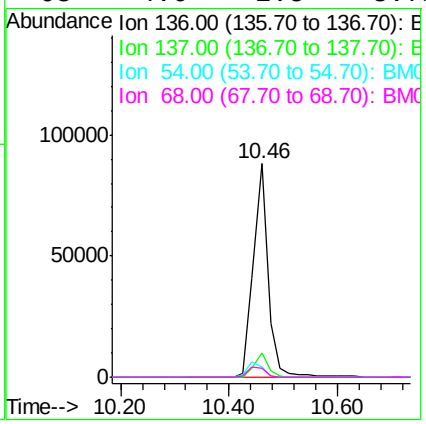


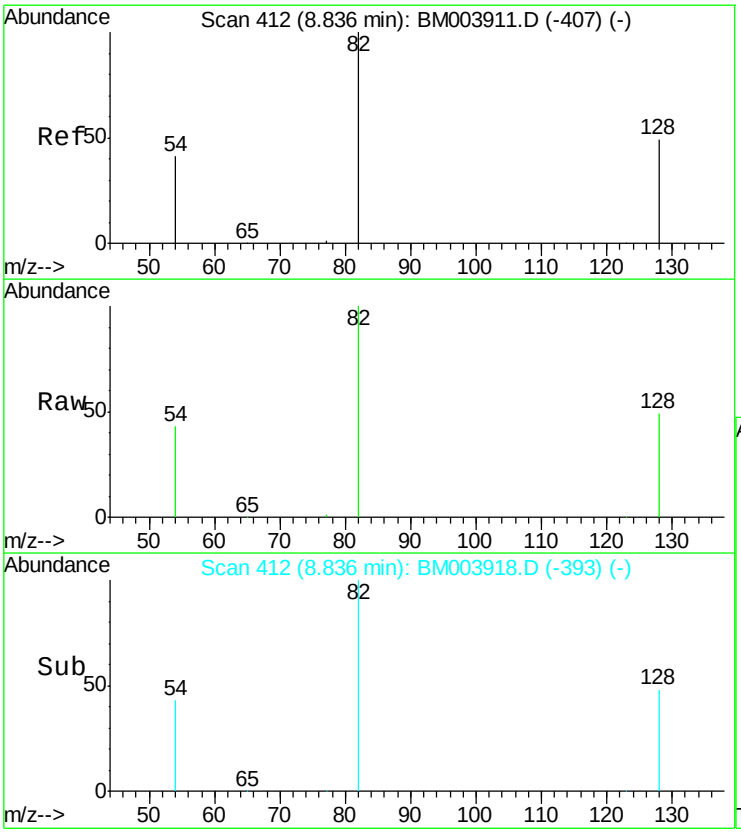
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:136 Resp: 165185

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	5.0	2.8	4.2#
68	4.0	2.5	3.7#

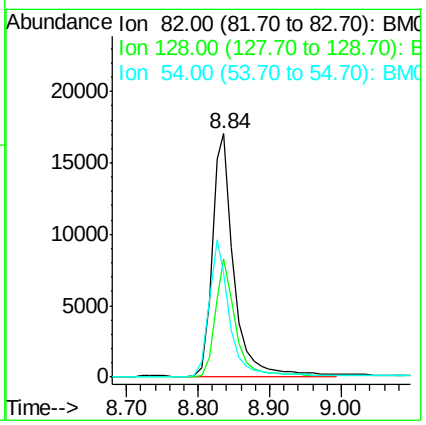


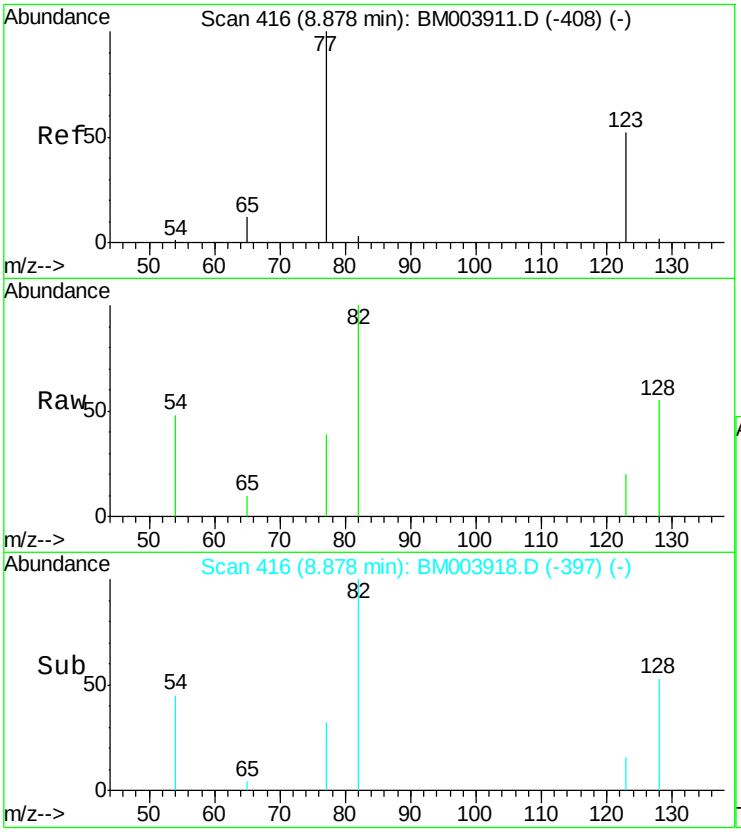


#8
Nitrobenzene-d5
Concen: 4.39 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion: 82 Resp: 35617

Ion	Ratio	Lower	Upper
82	100		
128	48.6	39.1	58.7
54	42.7	34.8	52.2



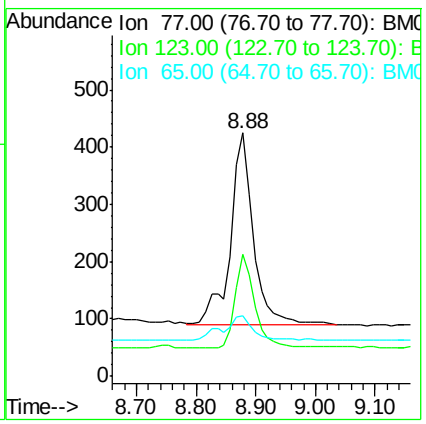


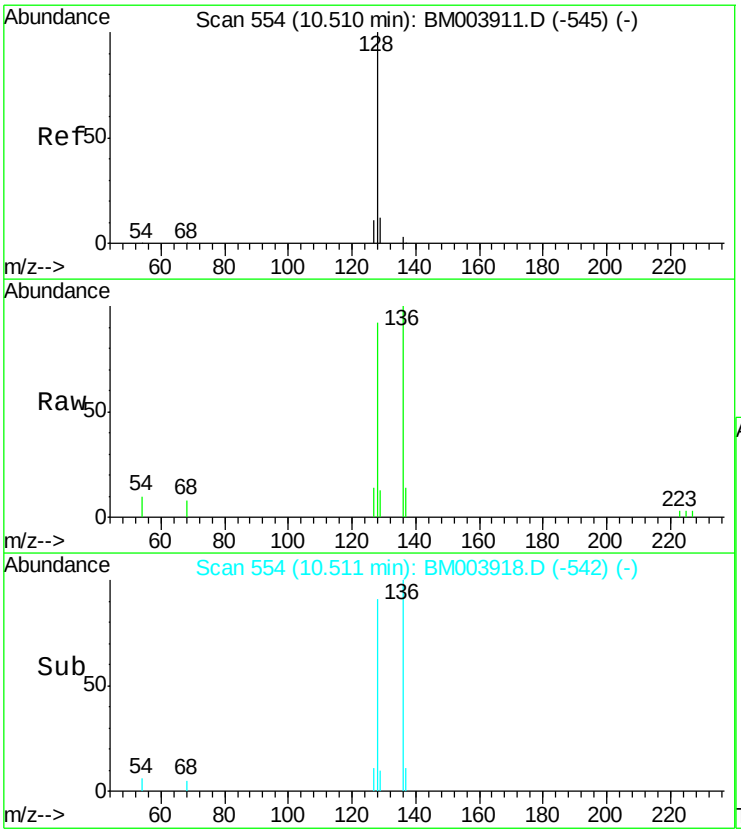
#9
Nitrobenzene
Concen: 0.10 ng
RT: 8.88 min Scan# 416
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 77 Resp: 877

Ion	Ratio	Lower	Upper
77	100		
123	42.9	38.6	57.8
65	16.4	9.9	14.9#

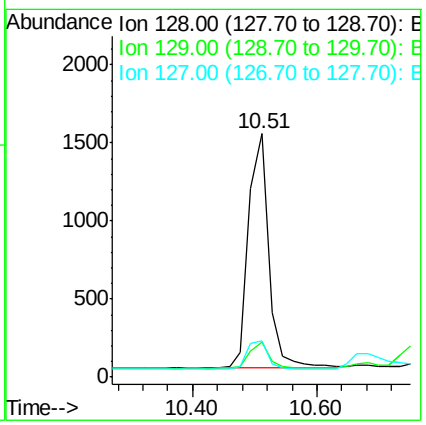


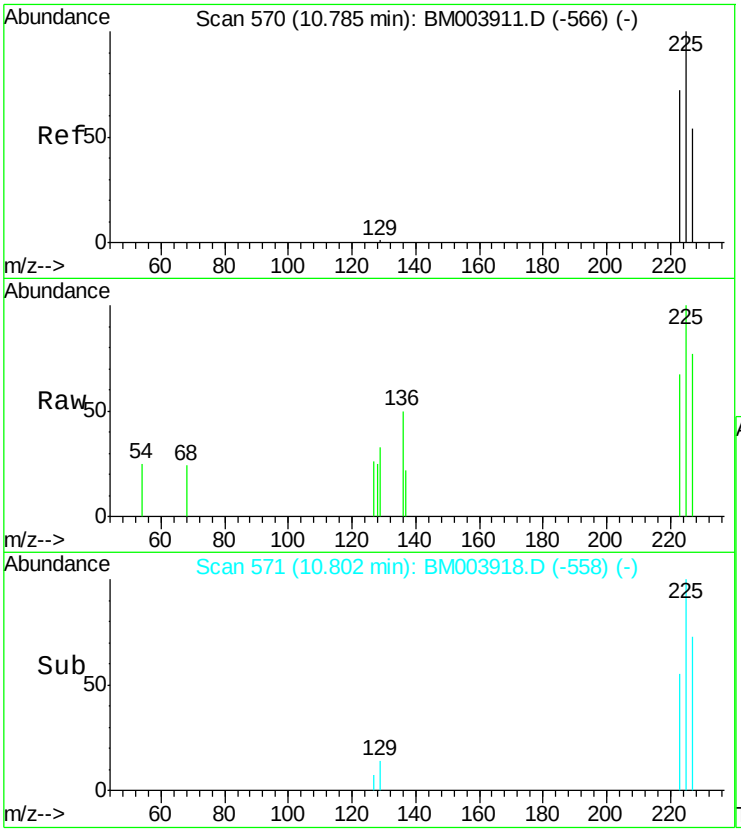


#10
Naphthalene
Concen: 0.09 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:128 Resp: 3383

Ion	Ratio	Lower	Upper
128	100		
129	14.5	8.5	12.7#
127	14.7	11.0	16.4



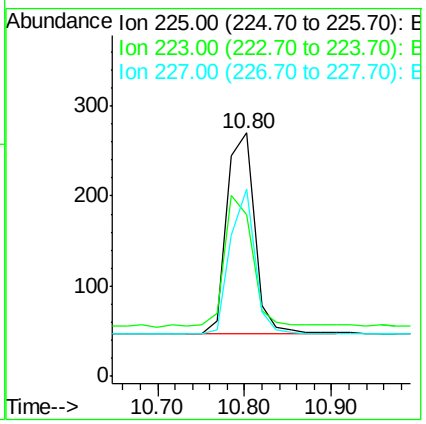


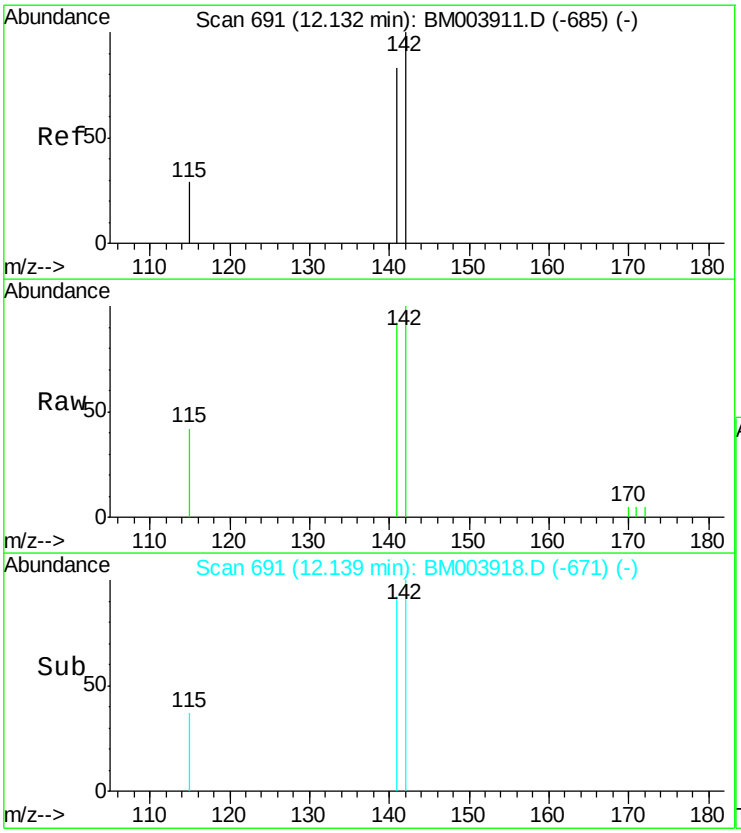
#11
Hexachlorobutadiene
Concen: 0.09 ng
RT: 10.80 min Scan# 571
Delta R.T. 0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:225 Resp: 491

Ion	Ratio	Lower	Upper
225	100		
223	67.6	50.9	76.3
227	65.0	51.2	76.8

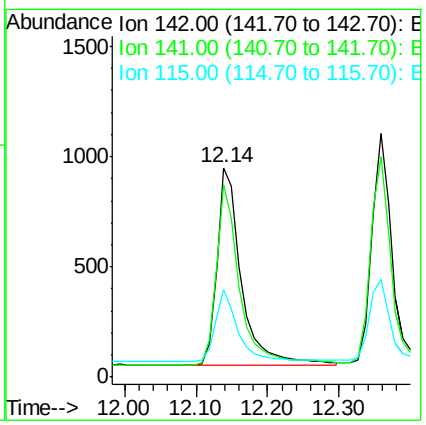


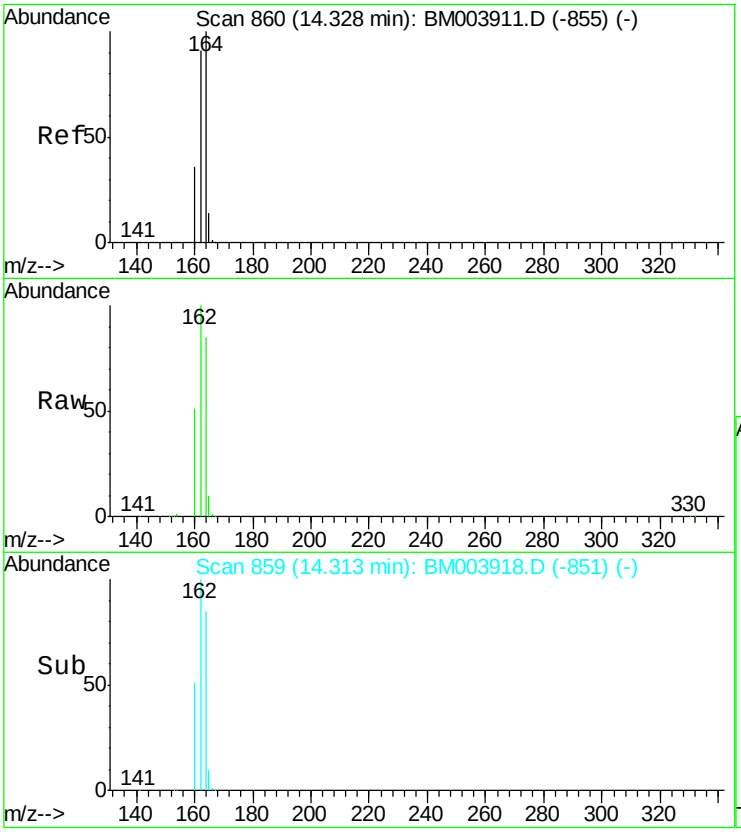


#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.14 min Scan# 691
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:142 Resp: 2132

Ion	Ratio	Lower	Upper
142	100		
141	92.1	67.8	101.8
115	41.7	25.3	37.9#



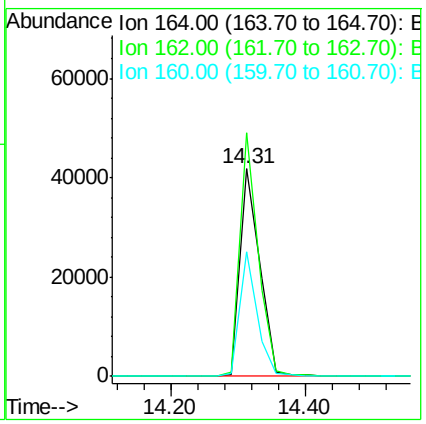


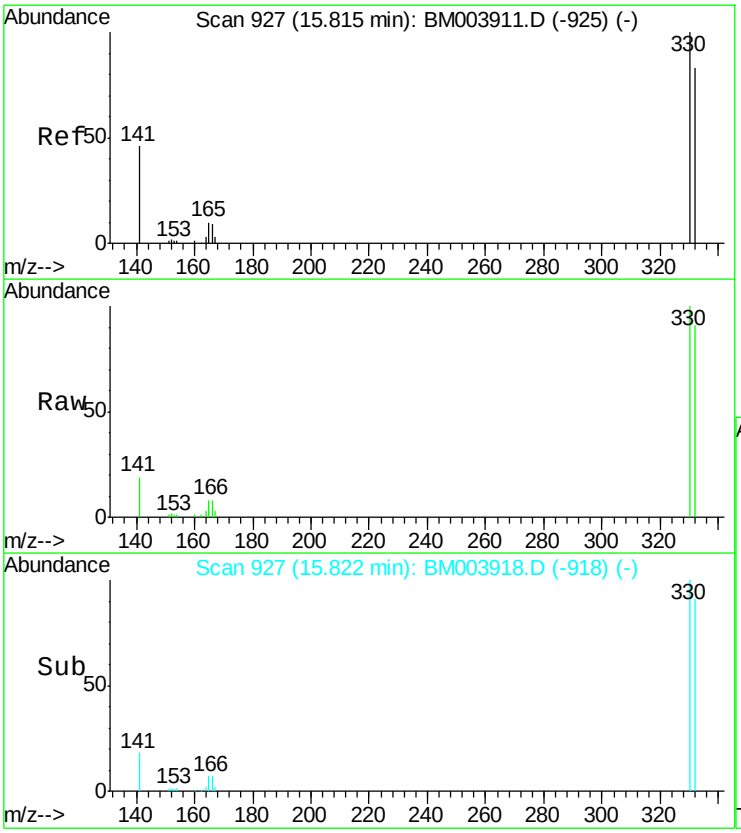
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.31 min Scan# 859
Delta R.T. -0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:164 Resp: 84431

Ion	Ratio	Lower	Upper
164	100		
162	117.4	86.0	129.0
160	60.3	40.3	60.5

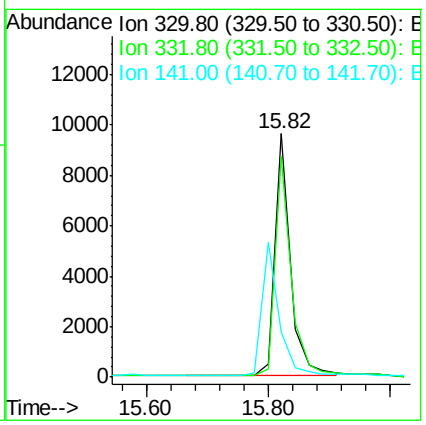


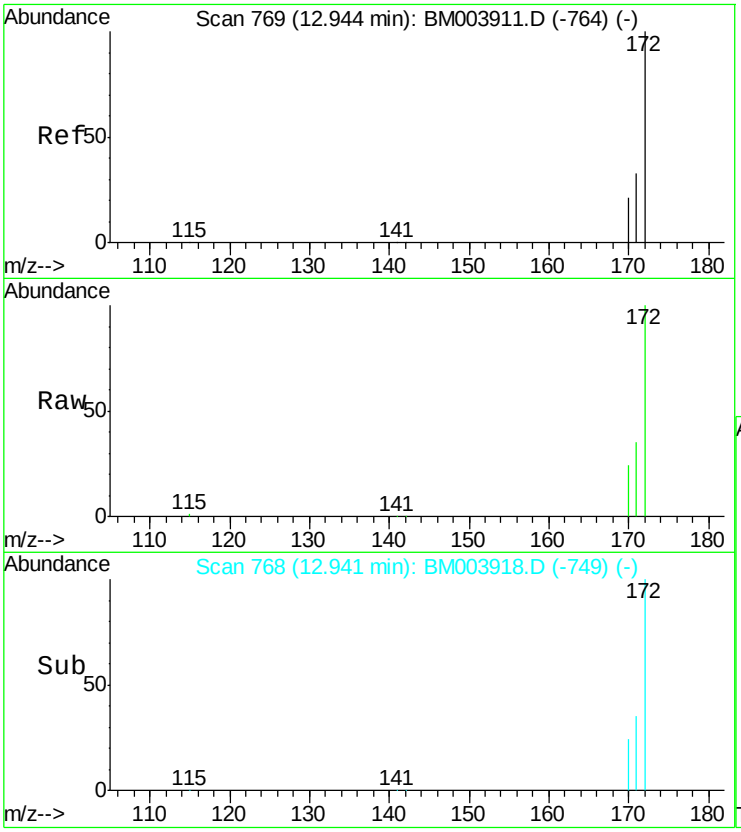


#14
2,4,6-Tribromophenol
Concen: 6.67 ng
RT: 15.82 min Scan# 927
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:330 Resp: 16826

Ion	Ratio	Lower	Upper
330	100		
332	93.7	79.0	118.4
141	0.0	0.0	0.0



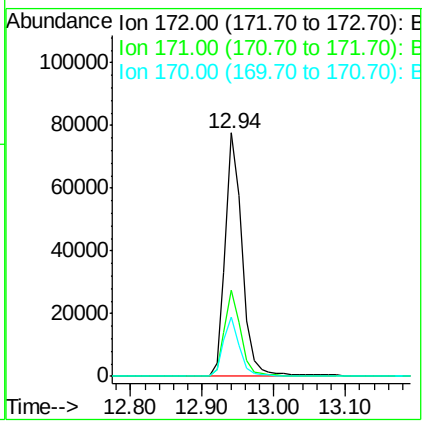


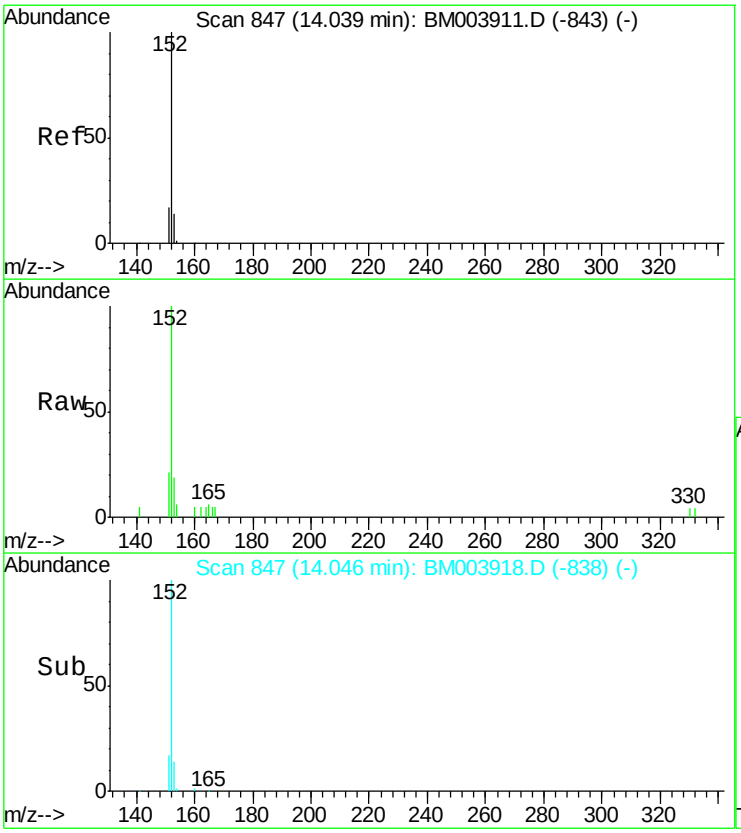
#15
2-Fluorobiphenyl
Concen: 4.69 ng
RT: 12.94 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:172 Resp: 127764

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.0	40.6
170	24.2	17.9	26.9

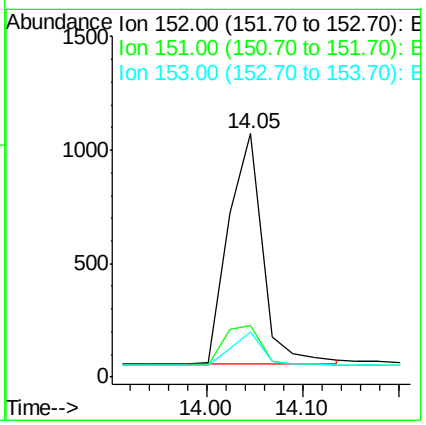


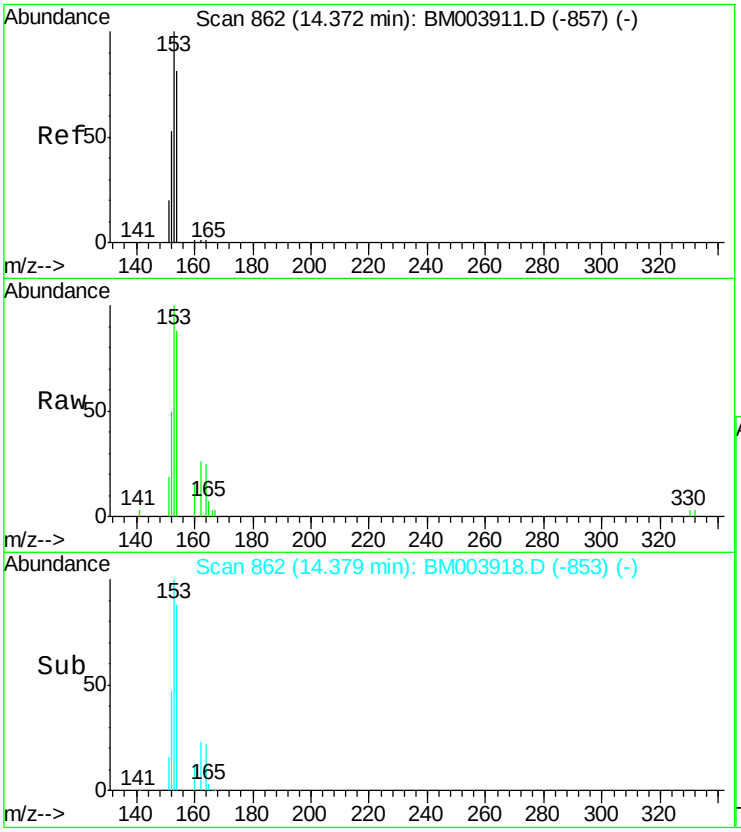


#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.05 min Scan# 847
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:152 Resp: 2538

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.1	10.2	15.4



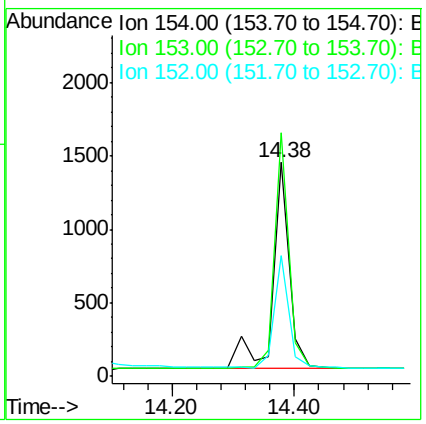


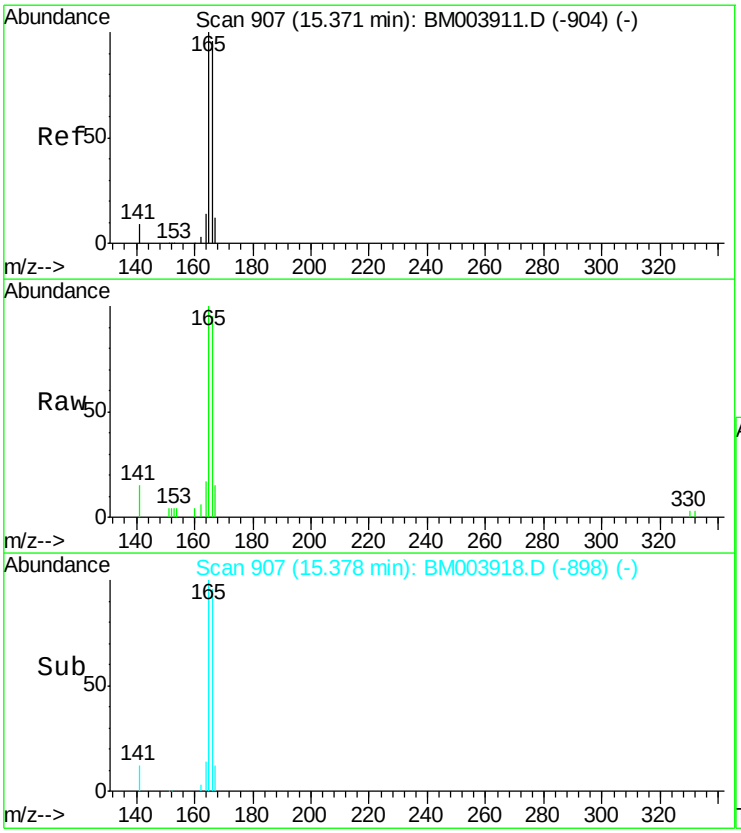
#17
Acenaphthene
Concen: 0.11 ng
RT: 14.38 min Scan# 862
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:154 Resp: 2670

Ion	Ratio	Lower	Upper
154	100		
153	97.5	85.4	128.2
152	46.0	40.6	60.8

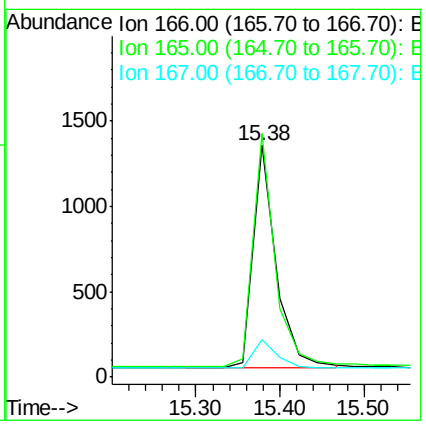


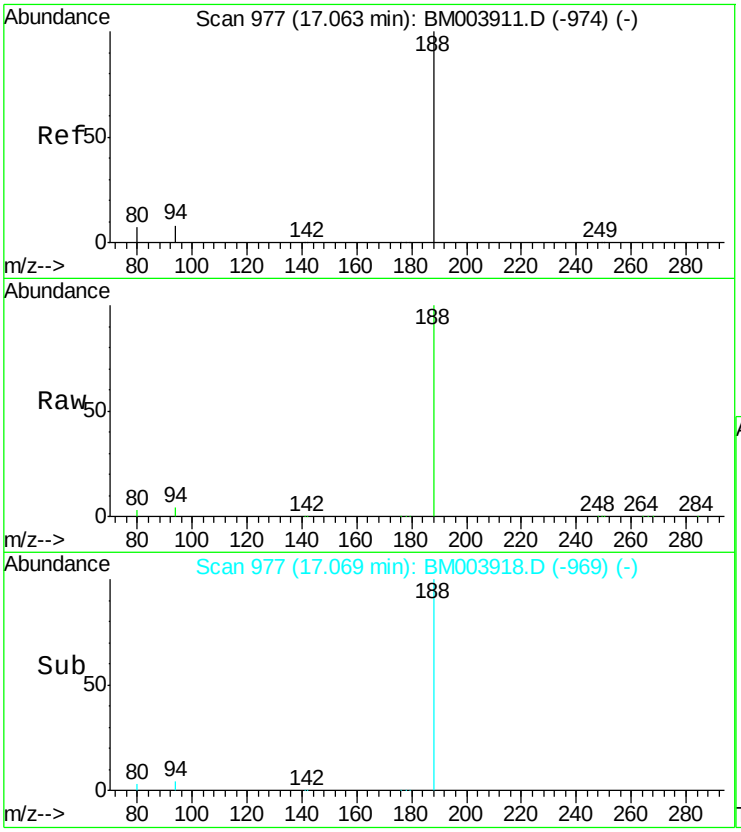


#18
Fluorene
Concen: 0.09 ng
RT: 15.38 min Scan# 907
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:166 Resp: 2514

Ion	Ratio	Lower	Upper
166	100		
165	100.6	77.2	115.8
167	13.4	11.0	16.6



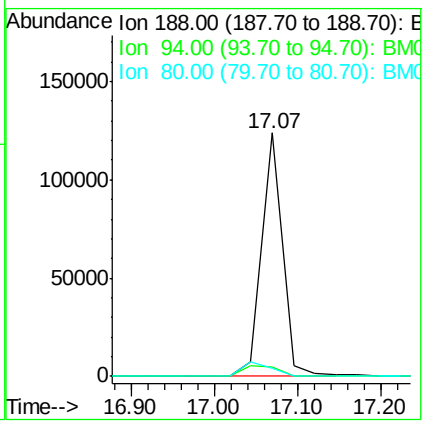


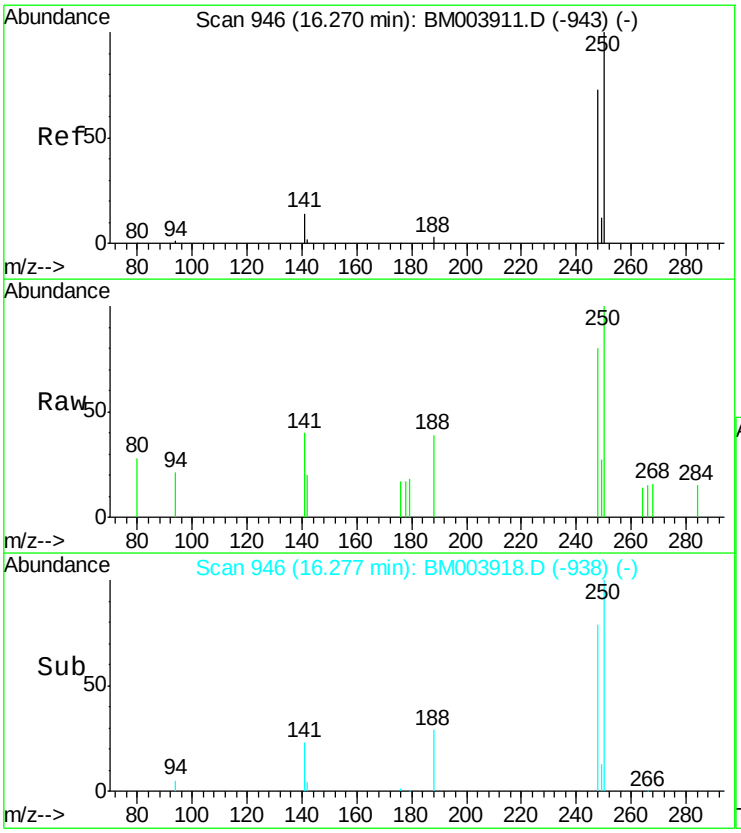
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.07 min Scan# 977
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:188 Resp: 212691

Ion	Ratio	Lower	Upper
188	100		
94	3.9	20.3	30.5#
80	3.4	22.2	33.4#

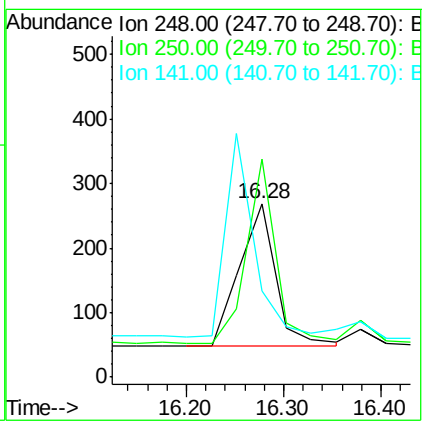


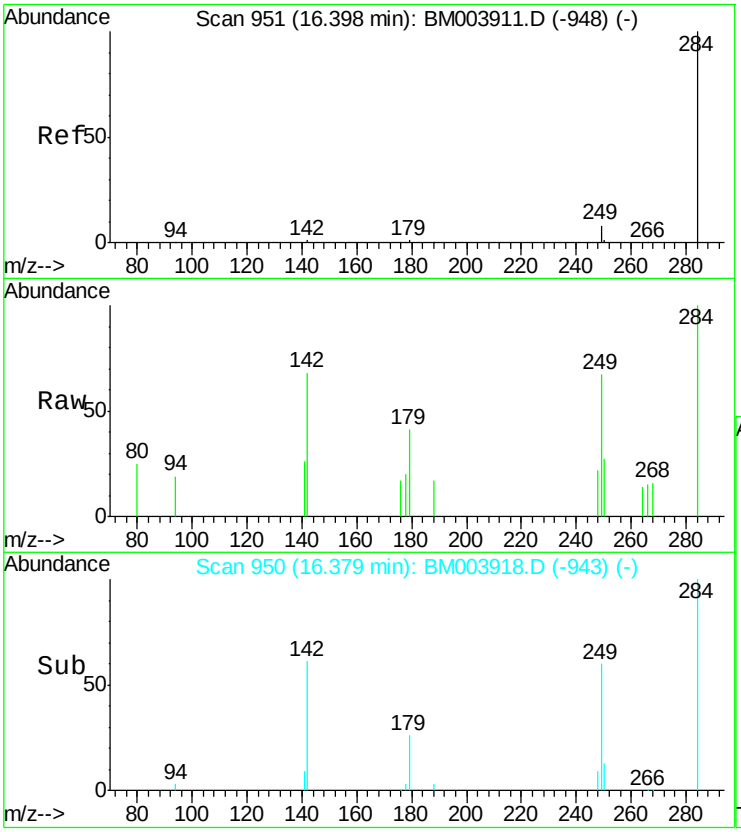


#20
4-Bromophenyl-phenylether
Concen: 0.09 ng
RT: 16.28 min Scan# 946
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:248 Resp: 577

Ion	Ratio	Lower	Upper
248	100		
250	102.3	75.0	112.4
141	0.0	53.0	79.4#



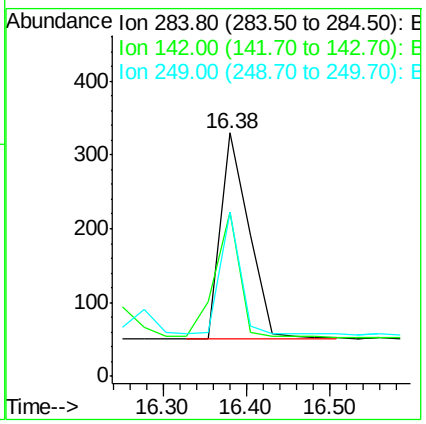


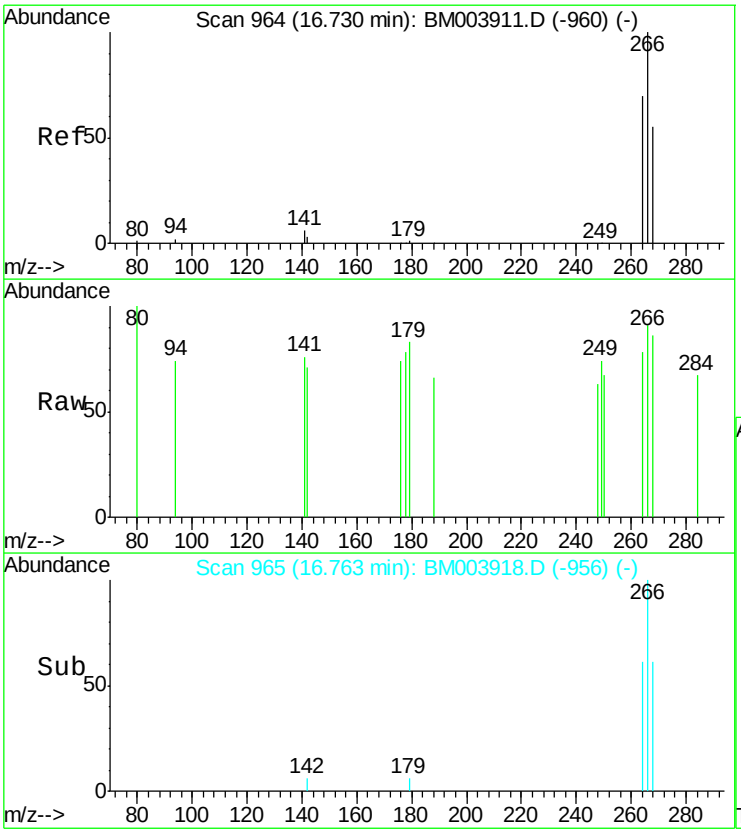
#21
Hexachlorobenzene
Concen: 0.09 ng
RT: 16.38 min Scan# 950
Delta R.T. -0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:284 Resp: 662

Ion	Ratio	Lower	Upper
284	100		
142	52.9	0.0	0.0#
249	41.7	21.5	32.3#

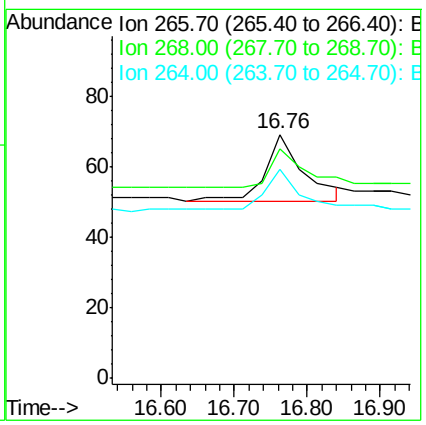


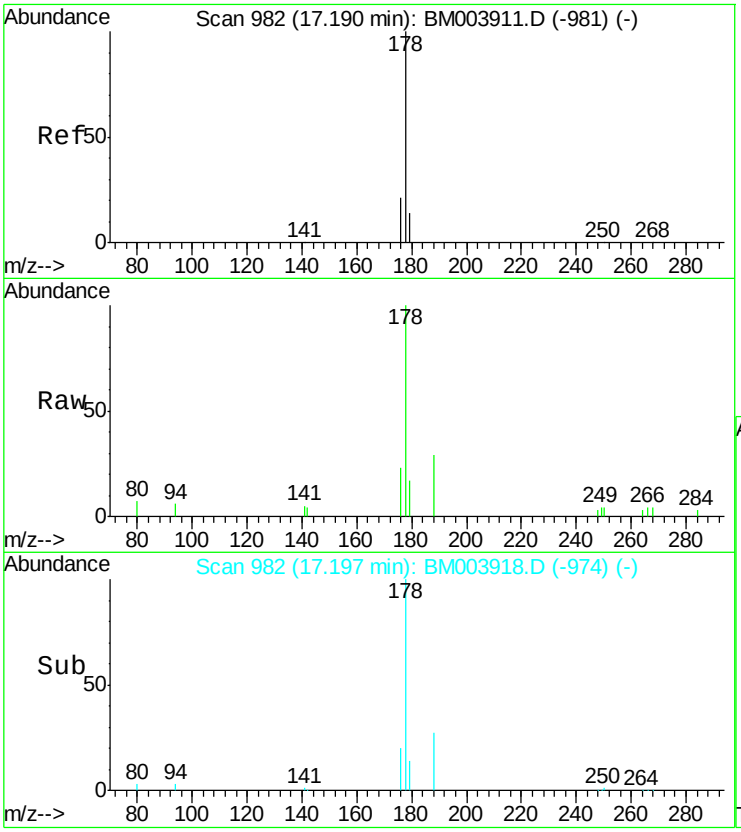


#22
Pentachlorophenol
Concen: 0.16 ng
RT: 16.76 min Scan# 965
Delta R.T. 0.03 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:266 Resp: 71

Ion	Ratio	Lower	Upper
266	100		
268	94.2	62.7	94.1#
264	85.5	45.7	68.5#



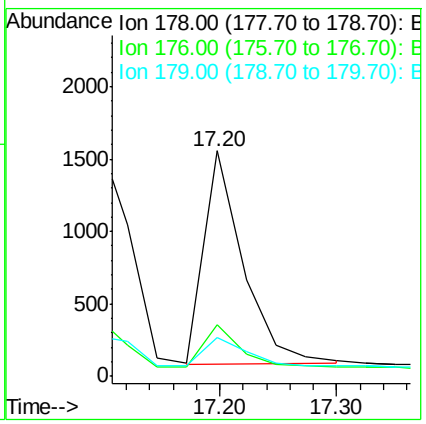


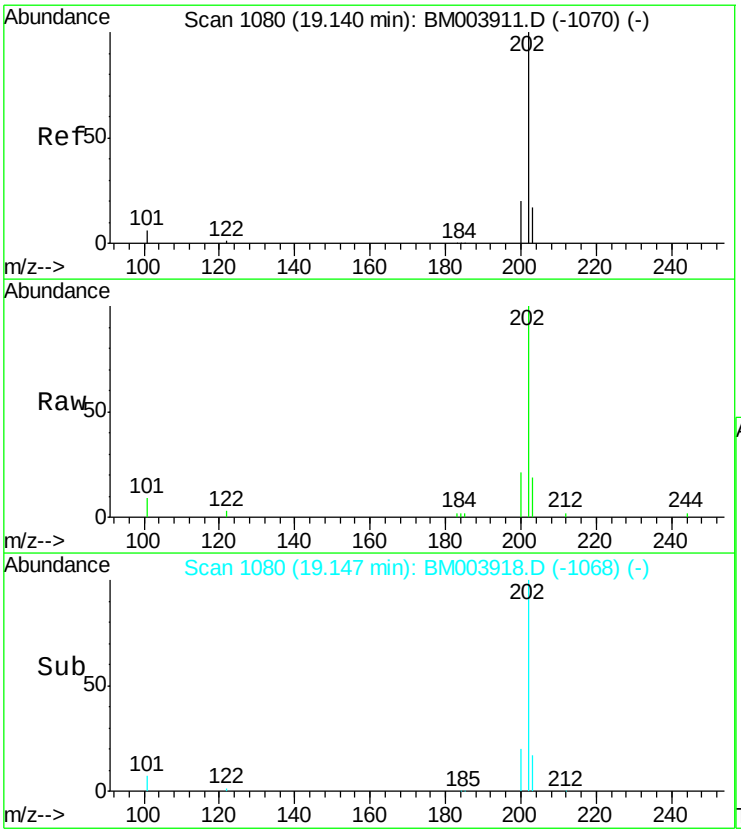
#24
Anthracene
Concen: 0.08 ng
RT: 17.20 min Scan# 982
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:178 Resp: 3412

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	14.8	12.6	19.0

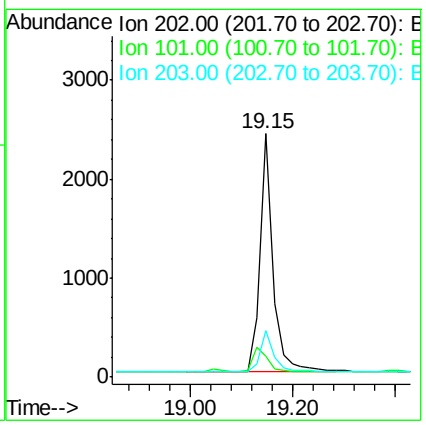


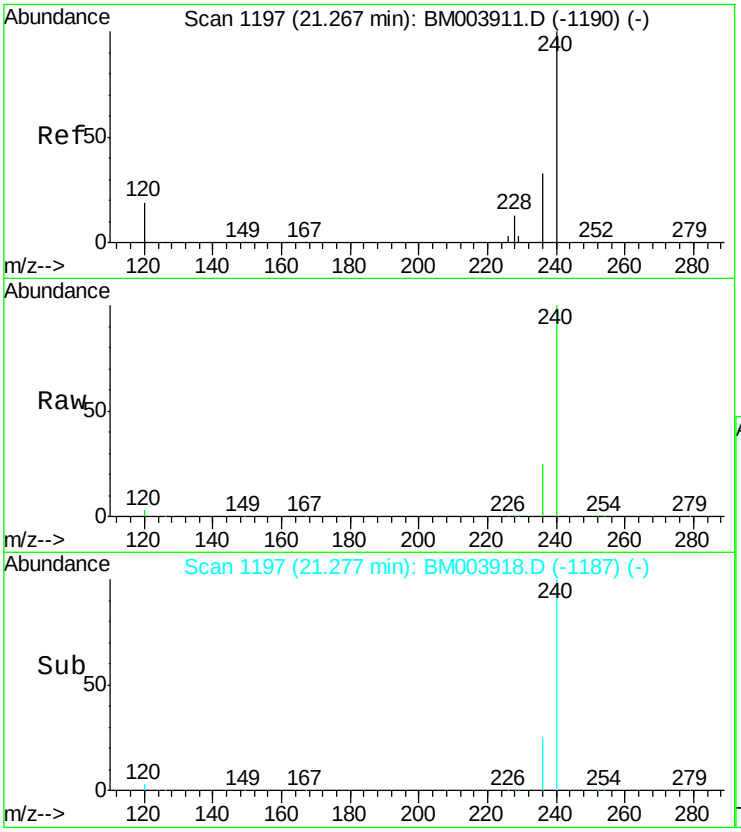


#25
Fluoranthene
Concen: 0.09 ng
RT: 19.15 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:202 Resp: 4205

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
203	17.7	13.8	20.8



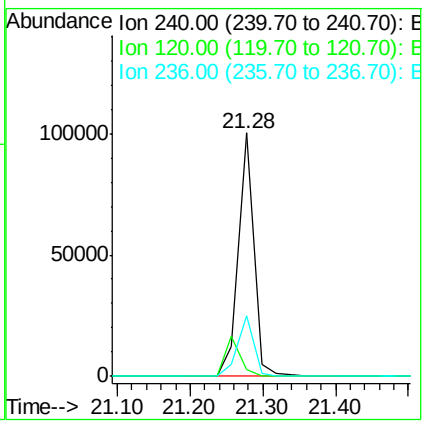


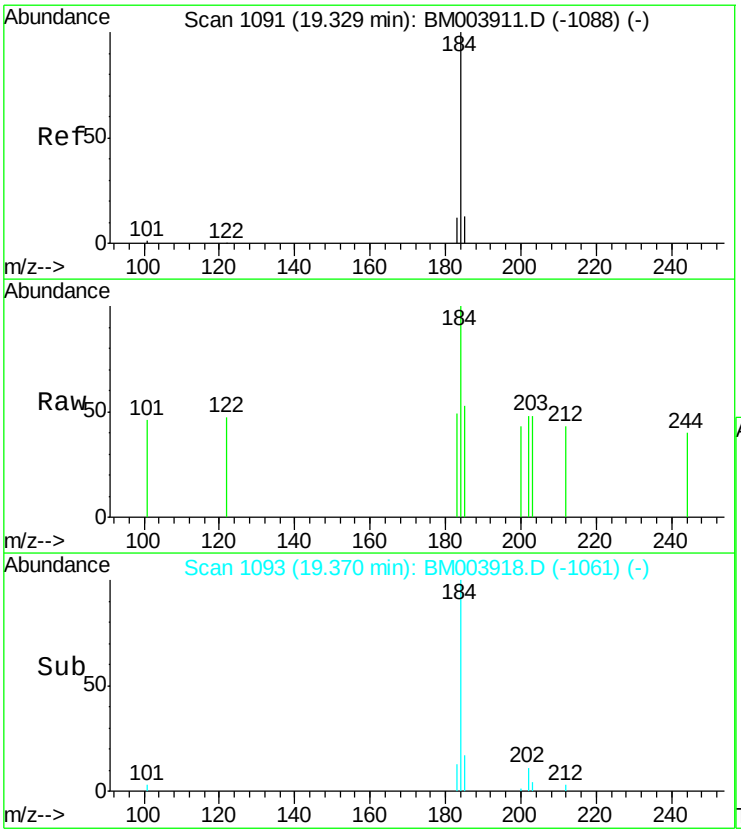
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1197
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:240 Resp: 147277

Ion	Ratio	Lower	Upper
240	100		
120	2.9	0.9	1.3#
236	24.9	17.3	25.9

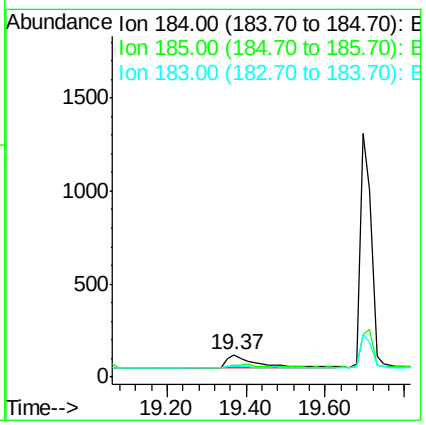


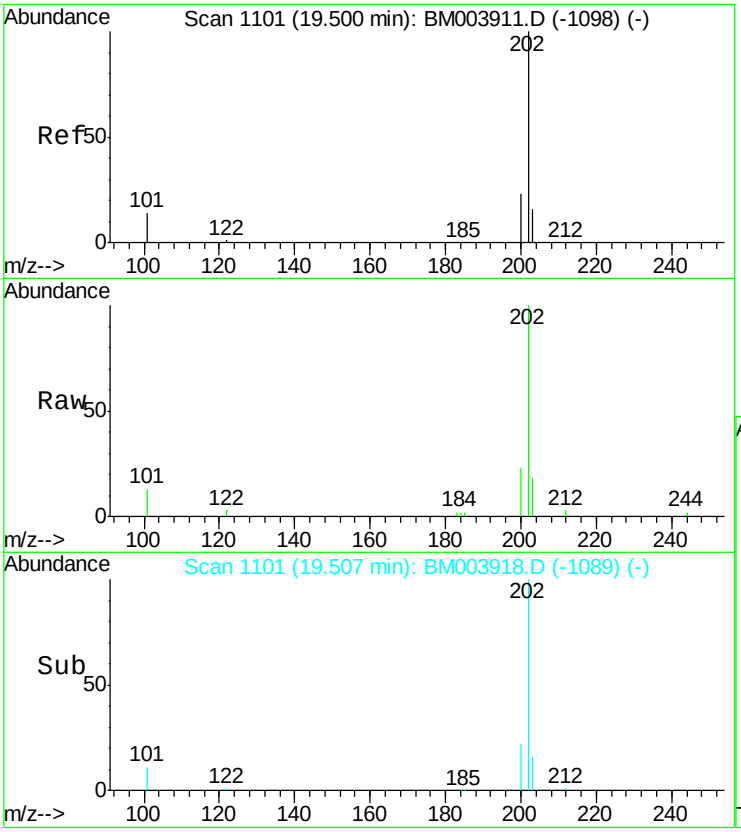


#27
Benzidine
Concen: 0.15 ng
RT: 19.37 min Scan# 1093
Delta R.T. 0.04 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:184 Resp: 356

Ion	Ratio	Lower	Upper
184	100		
185	53.3	13.2	19.8#
183	49.2	9.0	13.6#



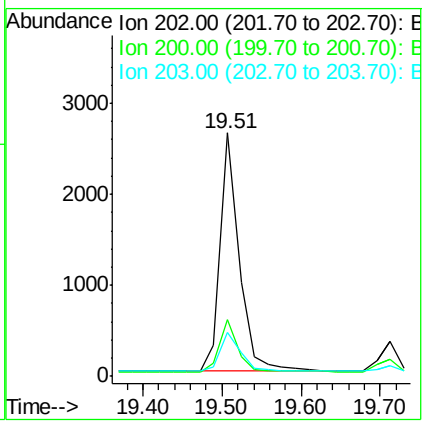


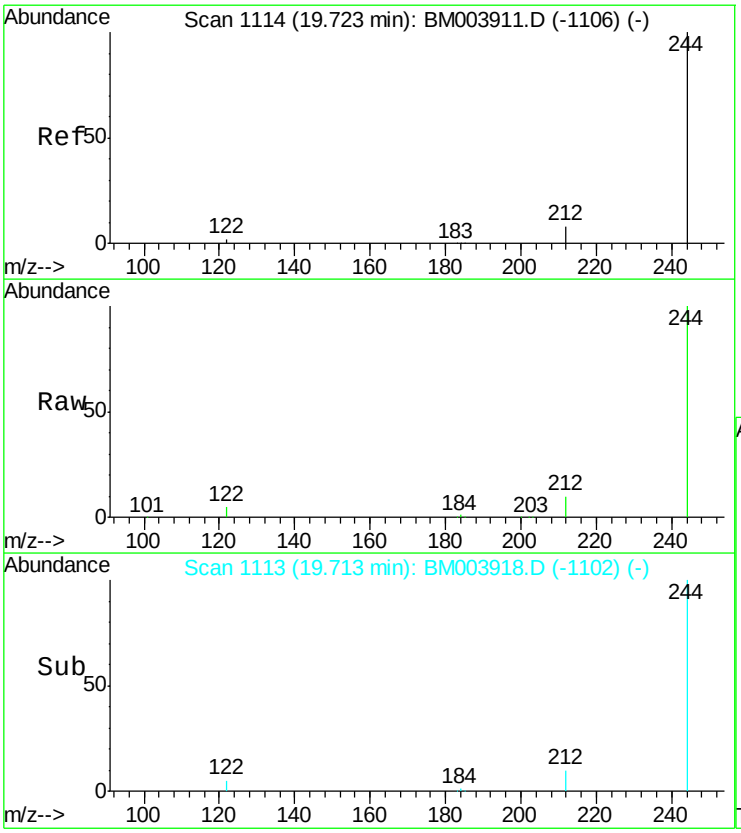
#28
Pyrene
Concen: 0.08 ng
RT: 19.51 min Scan# 1101
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:202 Resp: 4364

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	18.0	14.0	21.0

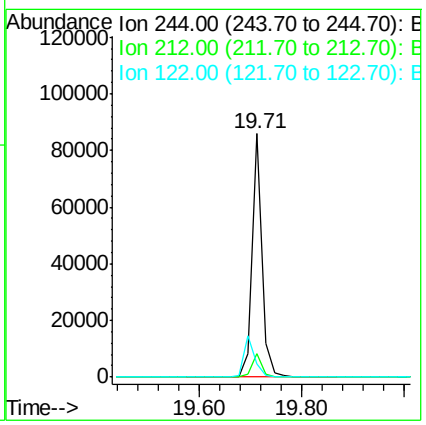


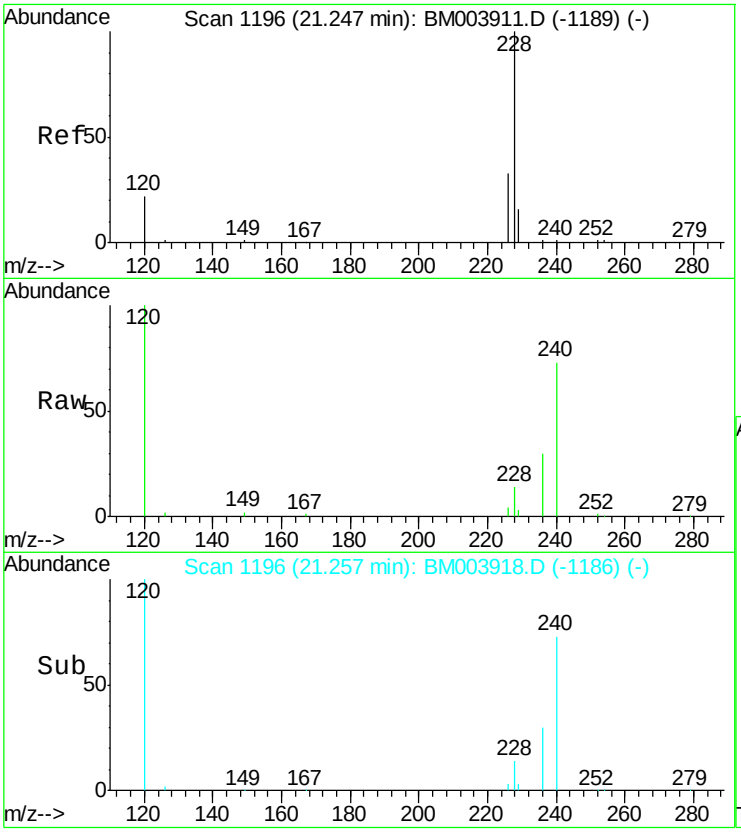


#29
Terphenyl-d14
Concen: 4.71 ng
RT: 19.71 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:244 Resp: 112373

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.0	10.6
122	5.3	3.0	4.6#



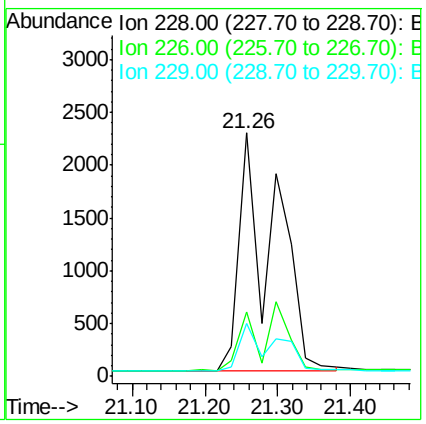


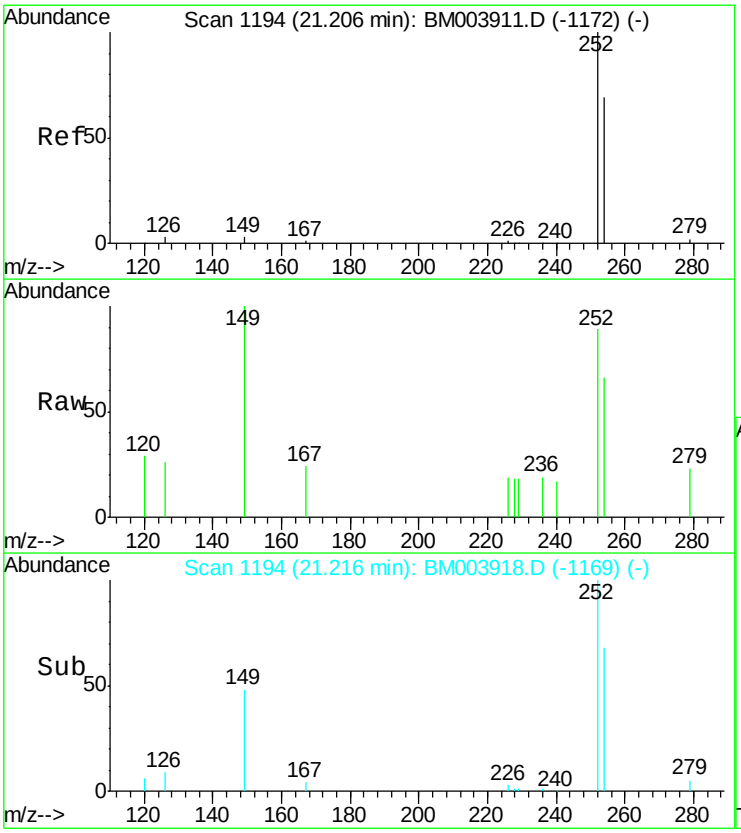
#30
Benzo(a)anthracene
Concen: 0.18 ng
RT: 21.26 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:228 Resp: 7654

Ion	Ratio	Lower	Upper
228	100		
226	26.2	17.2	25.8#
229	21.8	18.7	28.1

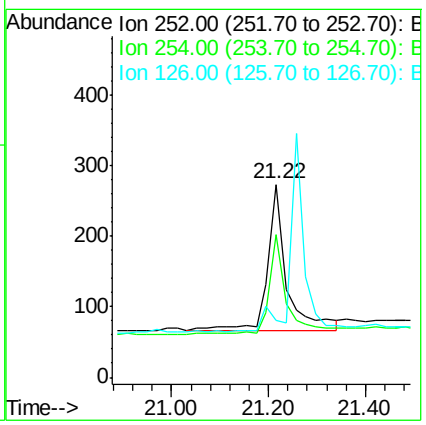


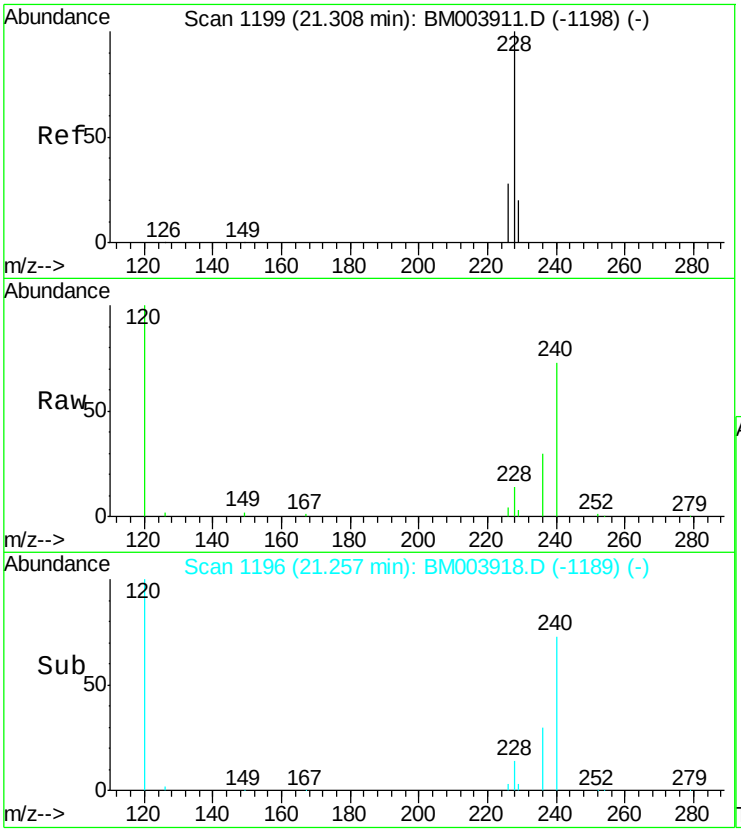


#31
3,3'-Dichlorobenzidine
Concen: 0.28 ng
RT: 21.22 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:252 Resp: 550

Ion	Ratio	Lower	Upper
252	100		
254	74.0	52.6	79.0
126	29.3	3.7	5.5#



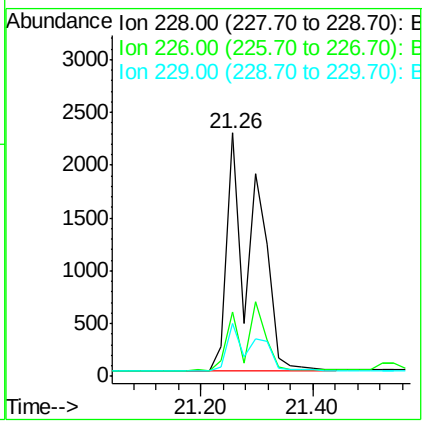


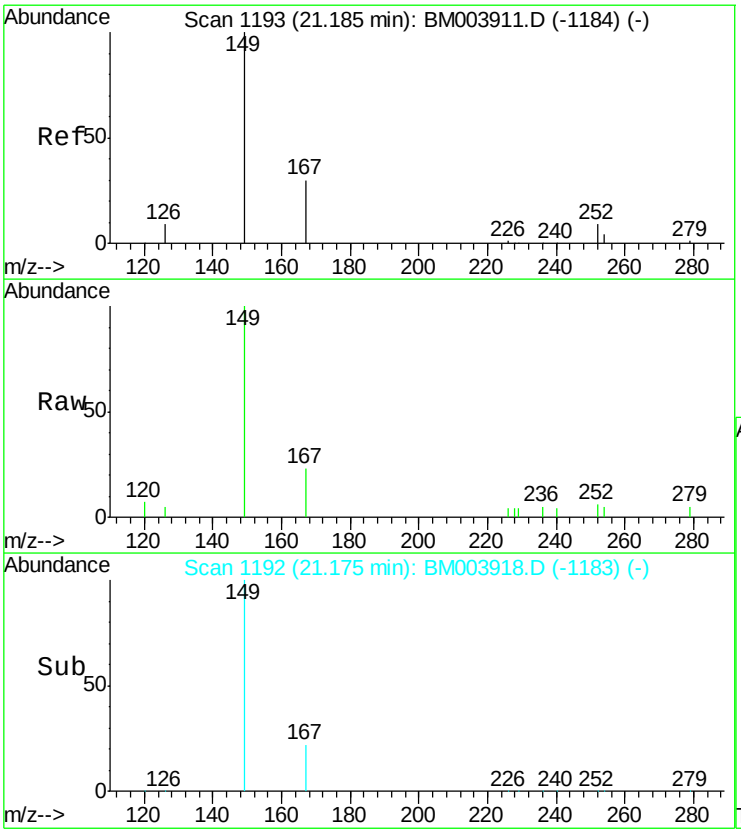
#32
Chrysene
Concen: 0.18 ng
RT: 21.26 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:228 Resp: 7727

Ion	Ratio	Lower	Upper
228	100		
226	26.2	25.3	37.9
229	21.8	14.5	21.7#

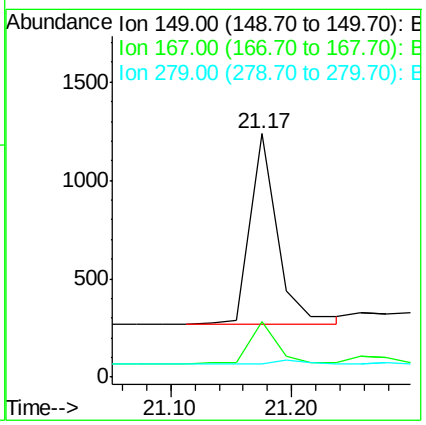


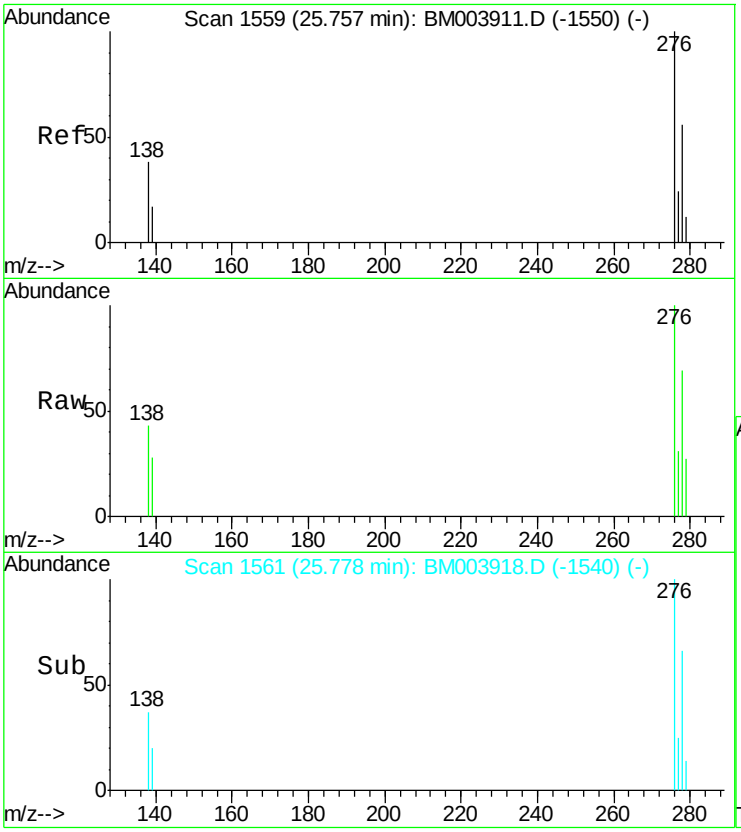


#33
Bis(2-ethylhexyl)phthalate
Concen: 0.41 ng
RT: 21.17 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:149 Resp: 1543

Ion	Ratio	Lower	Upper
149	100		
167	21.3	20.1	30.1
279	0.0	0.0	0.0



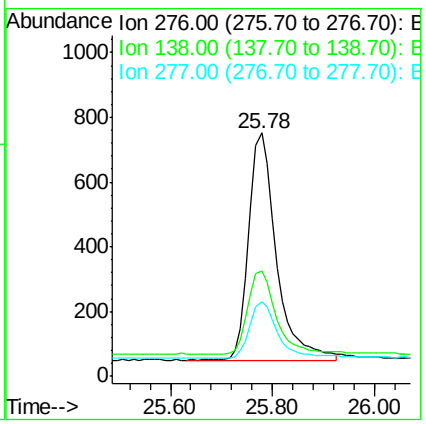


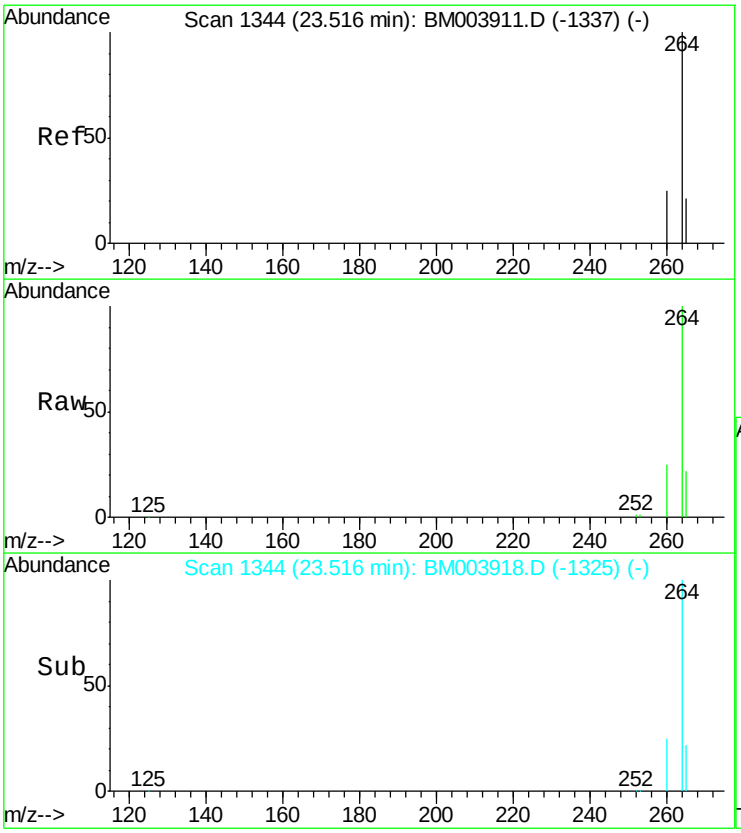
#34
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 25.78 min Scan# 1561
Delta R.T. 0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:276 Resp: 2635

Ion	Ratio	Lower	Upper
276	100		
138	37.6	30.2	45.2
277	25.3	19.8	29.8

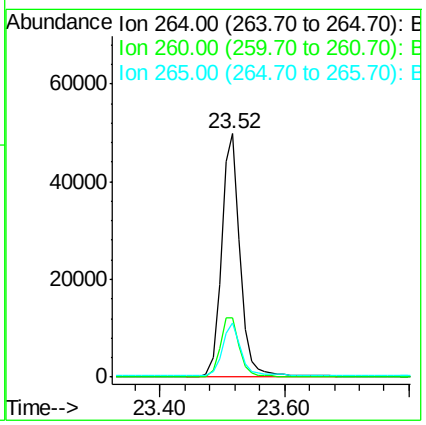


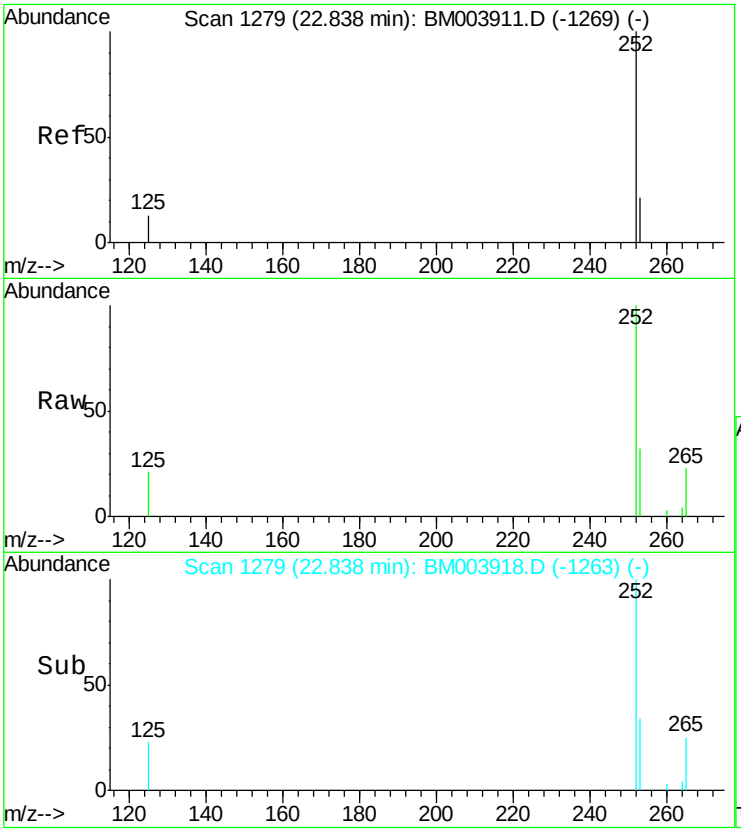


#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:264 Resp: 102792

Ion	Ratio	Lower	Upper
264	100		
260	24.6	21.2	31.8
265	22.3	16.7	25.1



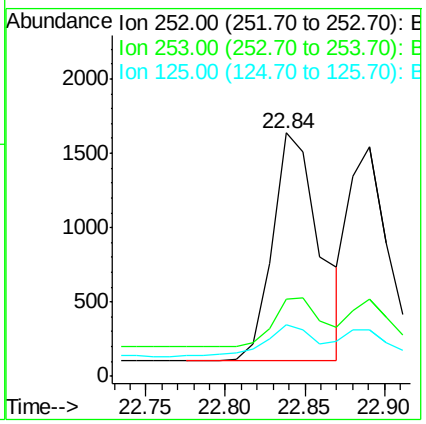


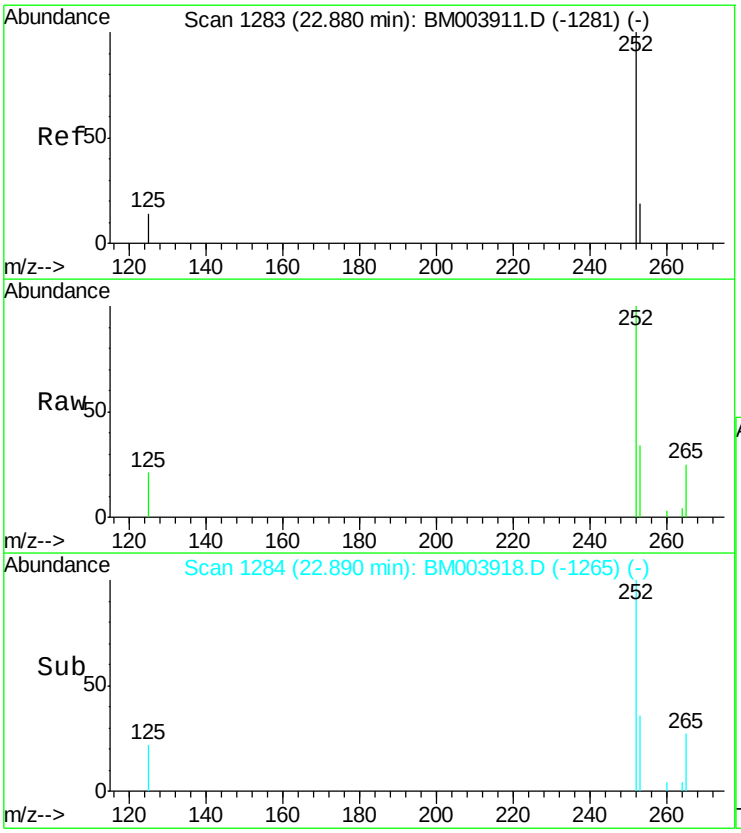
#36
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 22.84 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:252 Resp: 3153

Ion	Ratio	Lower	Upper
252	100		
253	31.5	18.8	28.2#
125	21.3	10.2	15.4#

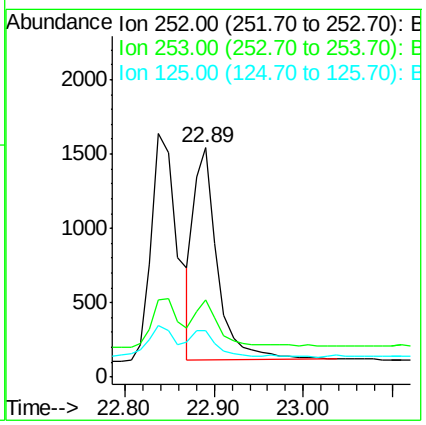


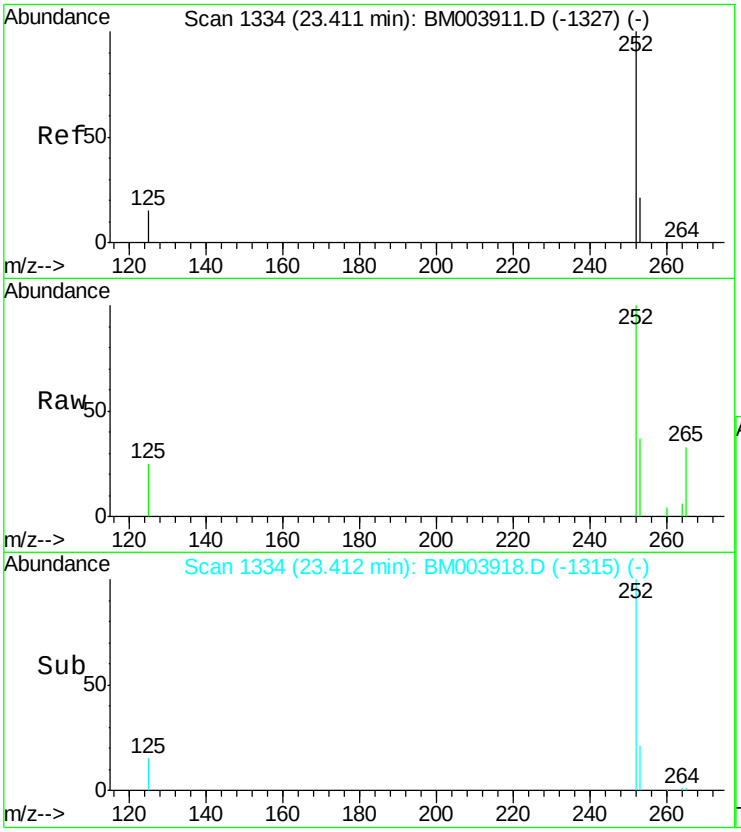


#37
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 22.89 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:252 Resp: 2618

Ion	Ratio	Lower	Upper
252	100		
253	33.6	18.3	27.5#
125	20.6	10.6	15.8#



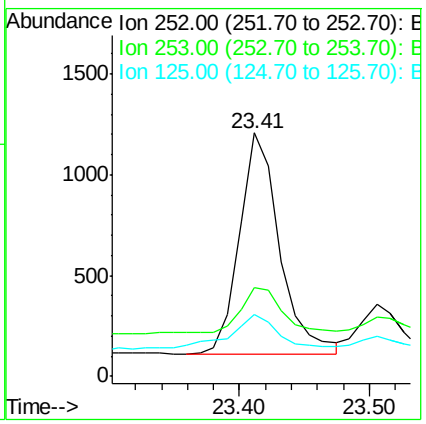


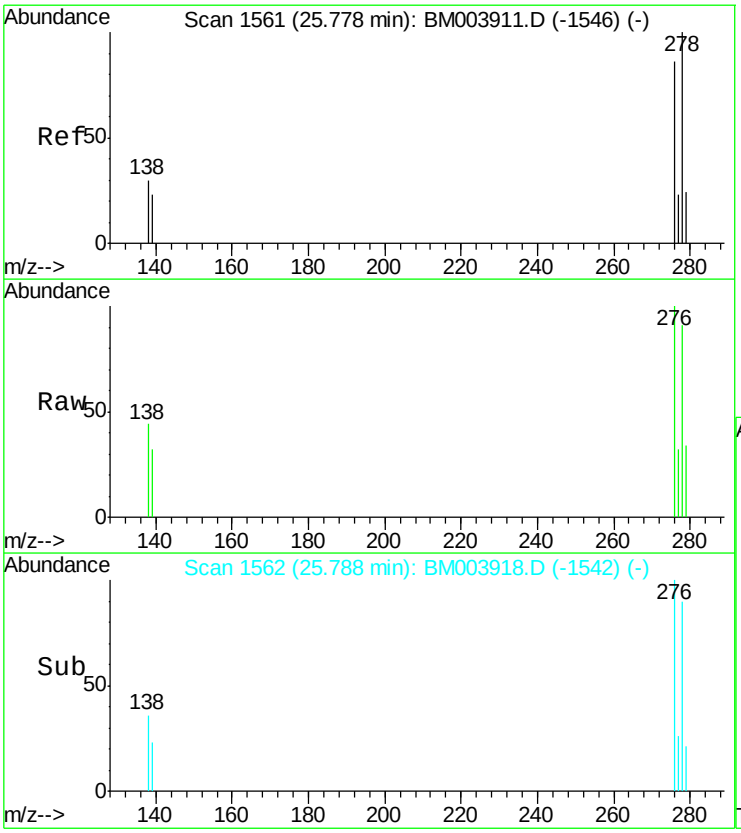
#38
Benzo(a)pyrene
Concen: 0.09 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:252 Resp: 2345

Ion	Ratio	Lower	Upper
252	100		
253	36.6	18.7	28.1#
125	25.3	11.8	17.8#

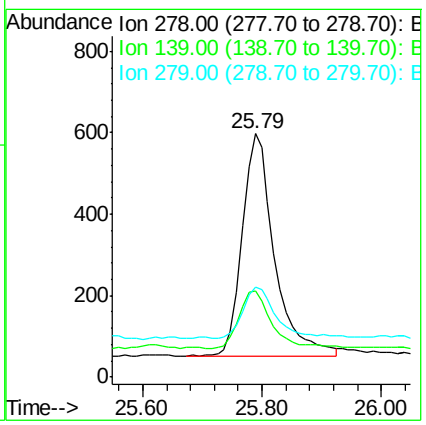


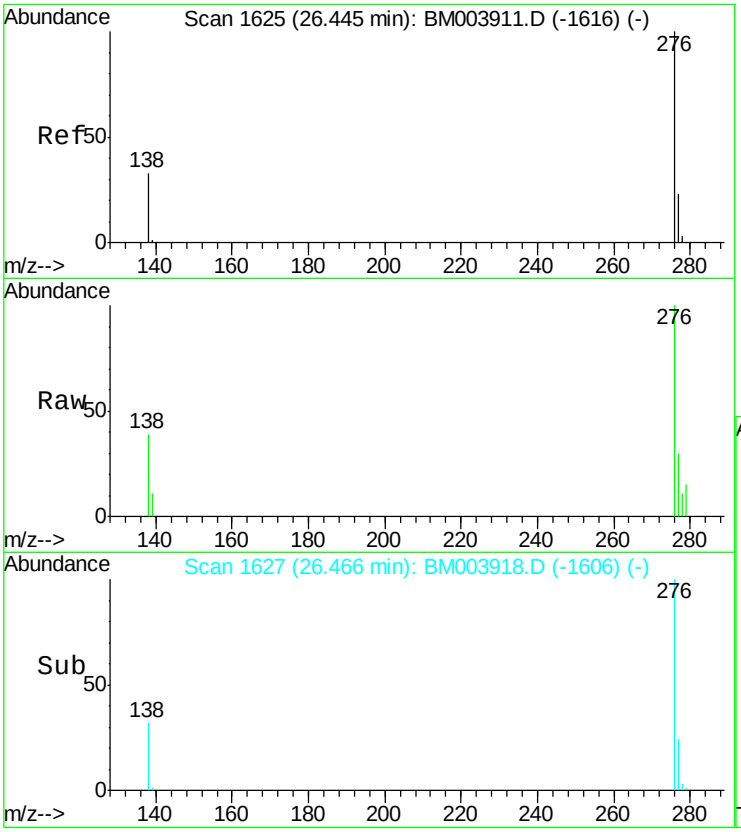


#39
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 25.79 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Tgt Ion:278 Resp: 2046

Ion	Ratio	Lower	Upper
278	100		
139	35.1	19.0	28.6#
279	36.8	19.6	29.4#





#40
Benzo(g,h,i)perylene
Concen: 0.10 ng
RT: 26.47 min Scan# 1627
Delta R.T. 0.02 min
Lab File: BM003918.D
Acq: 31 Dec 2015 17:28

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:276 Resp: 2387

Ion	Ratio	Lower	Upper
276	100		
277	30.2	19.1	28.7#
138	39.2	25.0	37.4#