Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
Data File : BM003919.D
Acq On : 31 Dec 2015 18:04
Operator : SJ/UM
Sample : G4825-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOQ-SOIL2016-02

Quant Time: Jan 02 05:10:36 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	41037	5.00	ng		0.00
7) Naphthalene-d8	10.46	136	165888	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	84146	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	212294	5.00	ng		0.00
26) Chrysene-d12	21.27	240	134704	5.00	ng		0.00
35) Perylene-d12	23.52	264	99961	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	64524	7.68	ng		0.00
5) Phenol-d6	6.85	99	79498	7.73	ng		0.00
8) Nitrobenzene-d5	8.84	82	30858	3.78	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	13421	5.39	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	112425	4.14	ng		0.00
29) Terphenyl-d14	19.71	244	94546	4.34	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	778	0.16	ng		86
3) n-Nitrosodimethylamine	3.51	42	562	0.13	ng	#	95
6) bis(2-Chloroethyl)ether	7.11	93	1422	0.15	ng		98
9) Nitrobenzene	8.88	77	1427	0.16	ng	#	96
10) Naphthalene	10.51	128	6039	0.17	ng	#	97
11) Hexachlorobutadiene	10.80	225	900	0.16	ng		98
12) 2-Methylnaphthalene	12.14	142	3844	0.16	ng		98
16) Acenaphthylene	14.04	152	4888	0.14	ng		98
17) Acenaphthene	14.37	154	4160	0.17	ng		99
18) Fluorene	15.37	166	4332	0.15	ng		96
20) 4-Bromophenyl-phenylether	16.27	248	1178	0.18	ng	#	61
21) Hexachlorobenzene	16.40	284	1165	0.17	ng	#	48
22) Pentachlorophenol	16.76	266	113	0.19	ng	#	81
23) Phenanthrene	17.11	178	7439	0.12	ng		96
24) Anthracene	17.11	178	7430	0.17	ng		98
25) Fluoranthene	19.14	202	7604	0.16	ng		99
27) Benzidine	19.36	184	624	0.18	ng	#	44
28) Pyrene	19.50	202	7839	0.16	ng		99
30) Benzo(a)anthracene	21.31	228	13887	0.36	ng	#	89
31) 3,3'-Dichlorobenzidine	21.21	252	1163	0.33	ng	#	93
32) Chrysene	21.31	228	14014	0.35	ng		95
33) Bis(2-ethylhexyl)phthalate	21.19	149	2418	0.45	ng	#	98
34) Indeno(1,2,3-cd)pyrene	25.78	276	4645	0.16	ng		100
36) Benzo(b)fluoranthene	22.85	252	5910	0.19	ng	#	89
37) Benzo(k)fluoranthene	22.89	252	4736	0.16	ng	#	89
38) Benzo(a)pyrene	23.41	252	4176	0.16	ng	#	85
39) Dibenzo(a,h)anthracene	25.79	278	3692	0.17	ng	#	88
40) Benzo(g,h,i)perylene	26.47	276	4253	0.18	ng		92

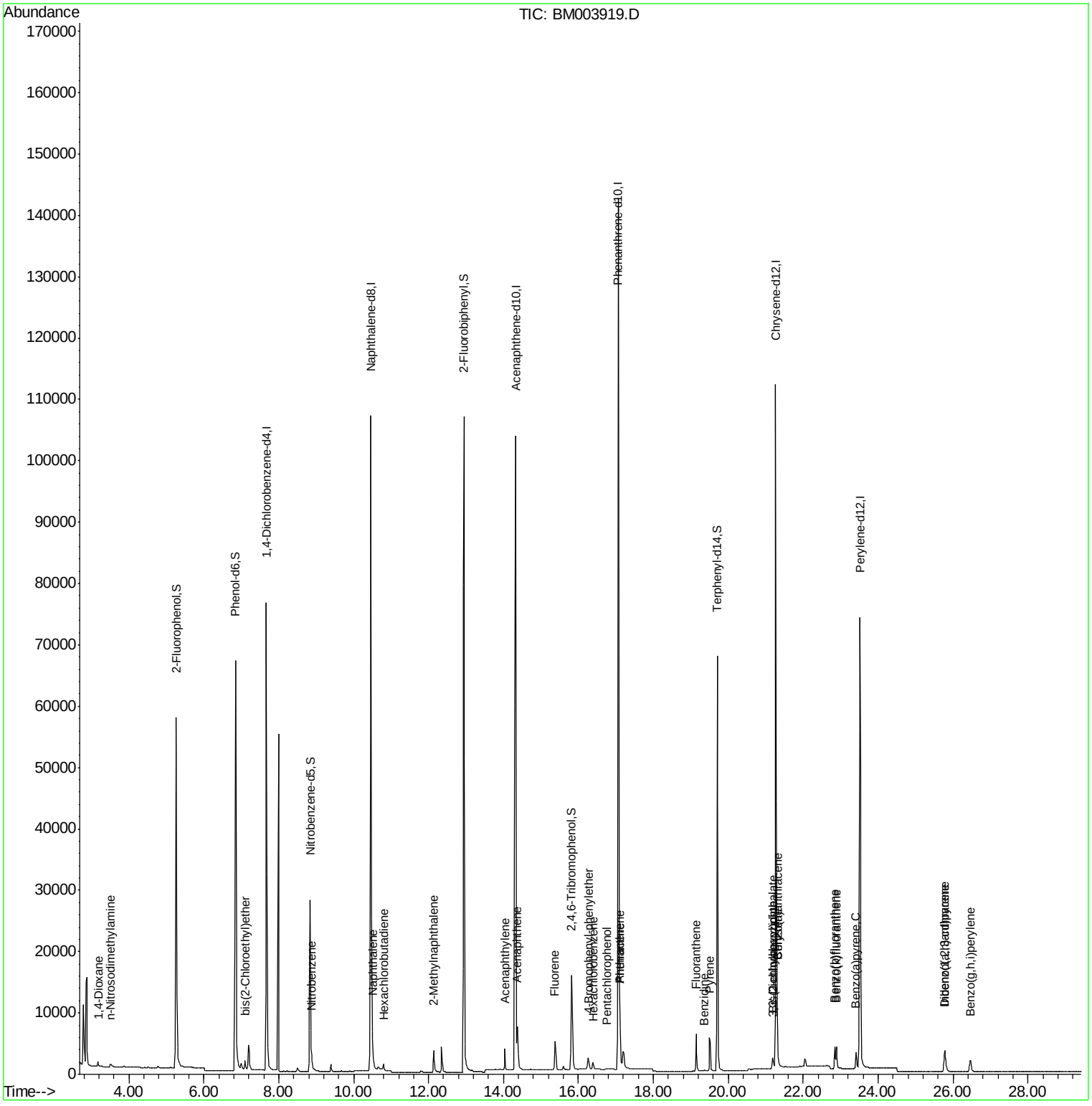
(#) = qualifier out of range (m) = manual integration (+) = signals summed

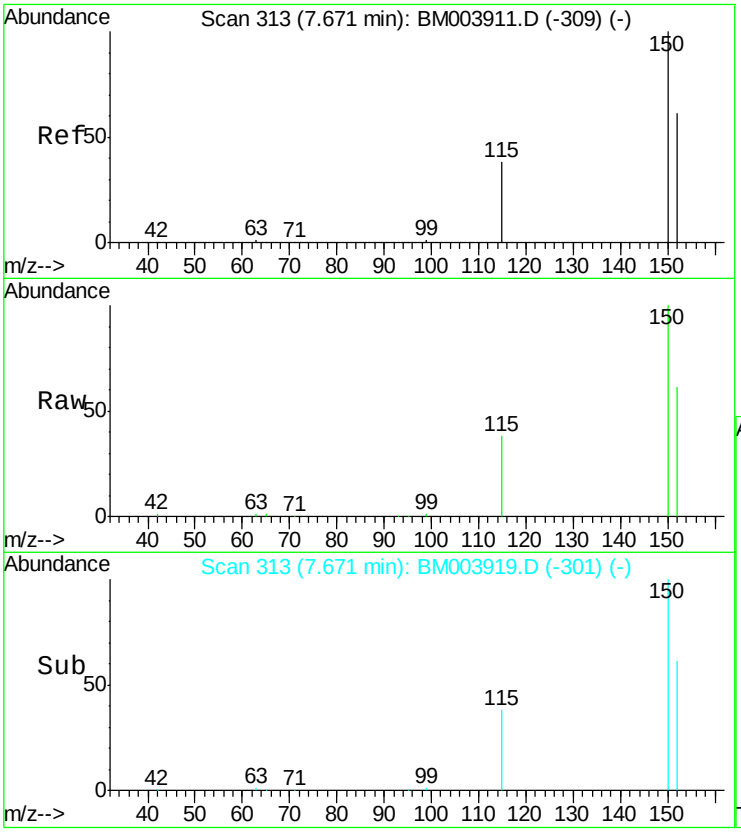
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010216\
Data File : BM003919.D
Acq On : 31 Dec 2015 18:04
Operator : SJ/UM
Sample : G4825-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Quant Time: Jan 02 05:10:36 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



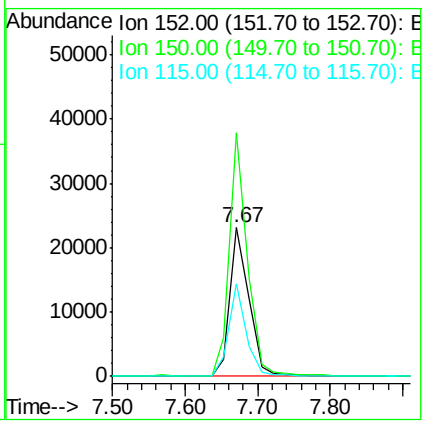


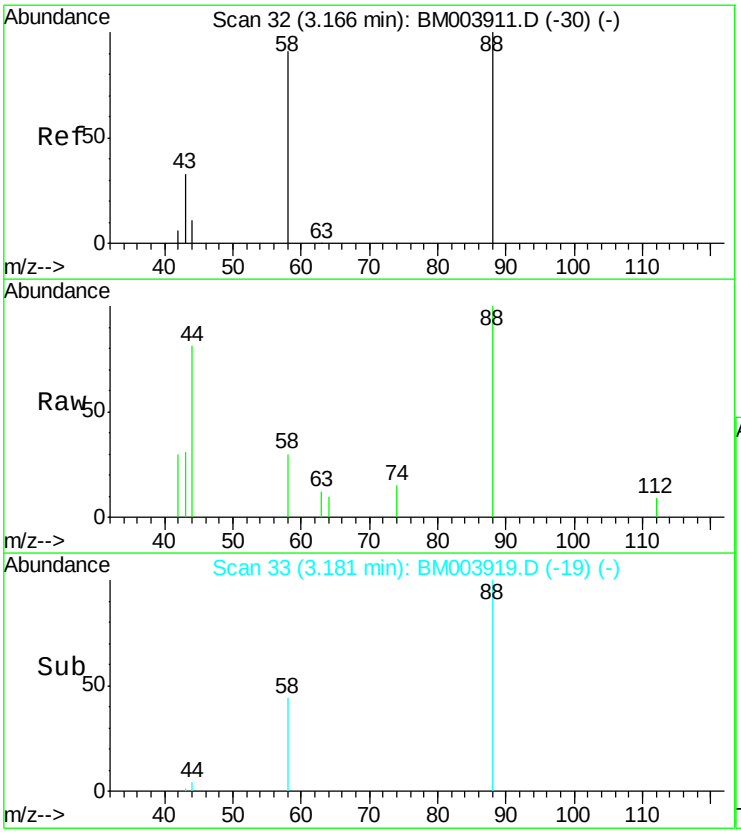
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:152 Resp: 41037

Ion	Ratio	Lower	Upper
152	100		
150	163.6	122.9	184.3
115	62.2	44.4	66.6

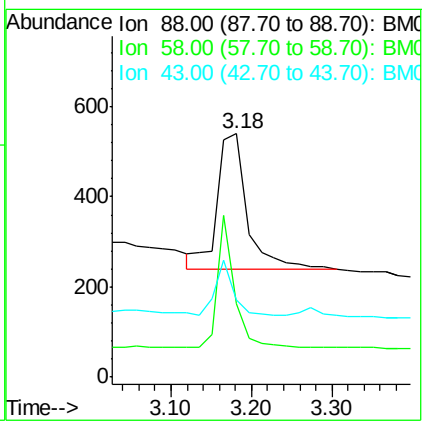


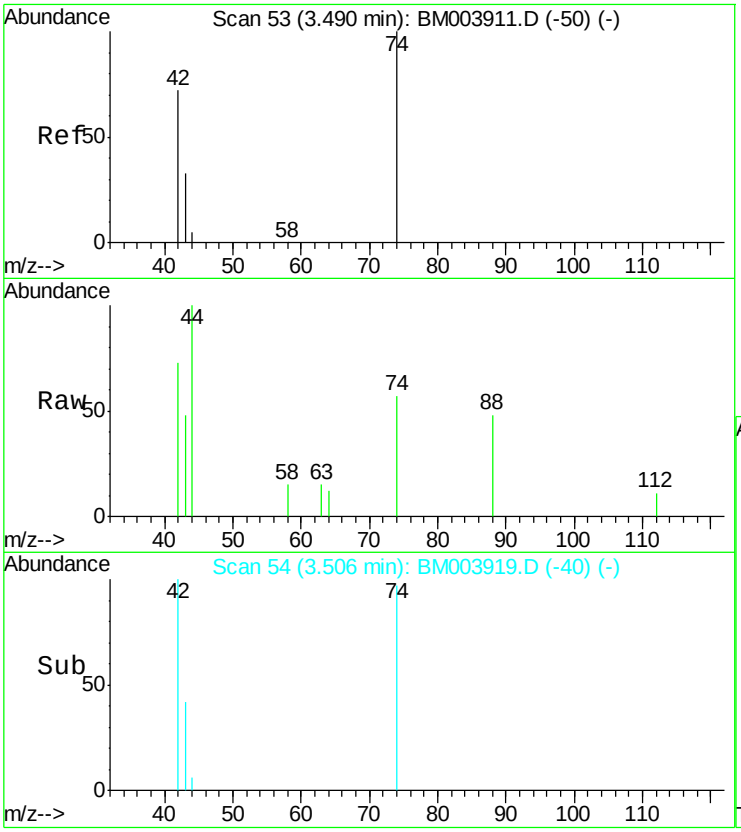


#2
1,4-Dioxane
Concen: 0.16 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.02 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion: 88 Resp: 778

Ion	Ratio	Lower	Upper
88	100		
58	55.0	53.8	80.6
43	23.9	23.8	35.6



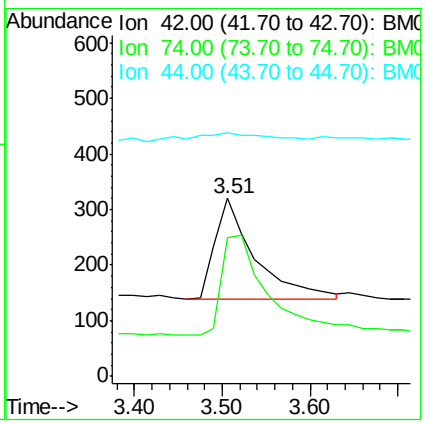


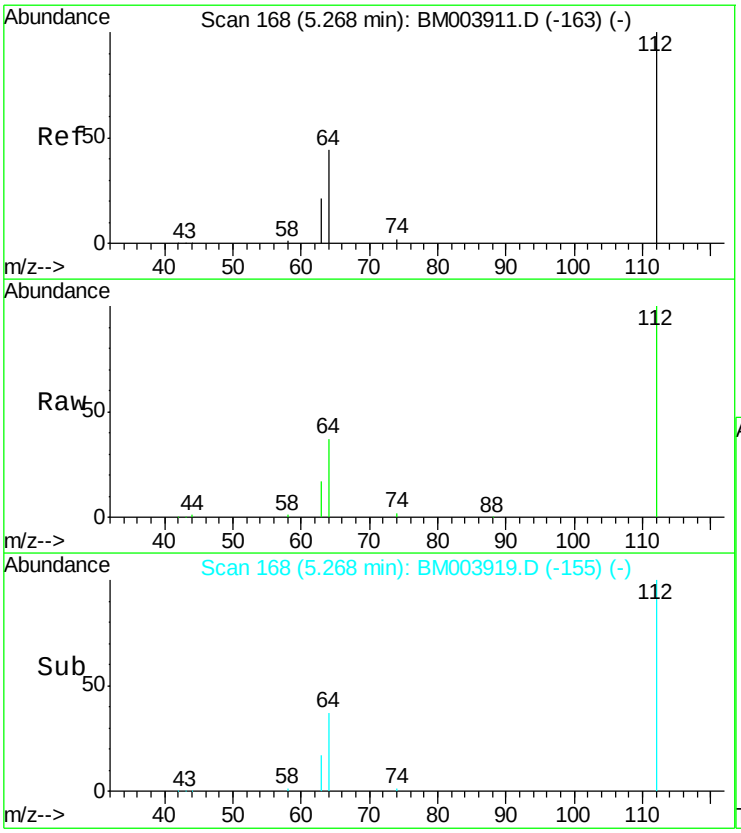
#3
n-Nitrosodimethylamine
Concen: 0.13 ng
RT: 3.51 min Scan# 54
Delta R.T. 0.02 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 42 Resp: 562

Ion	Ratio	Lower	Upper
42	100		
74	114.6	95.0	142.4
44	16.4	5.1	7.7#

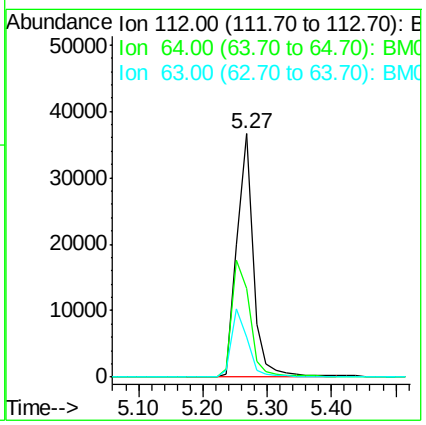


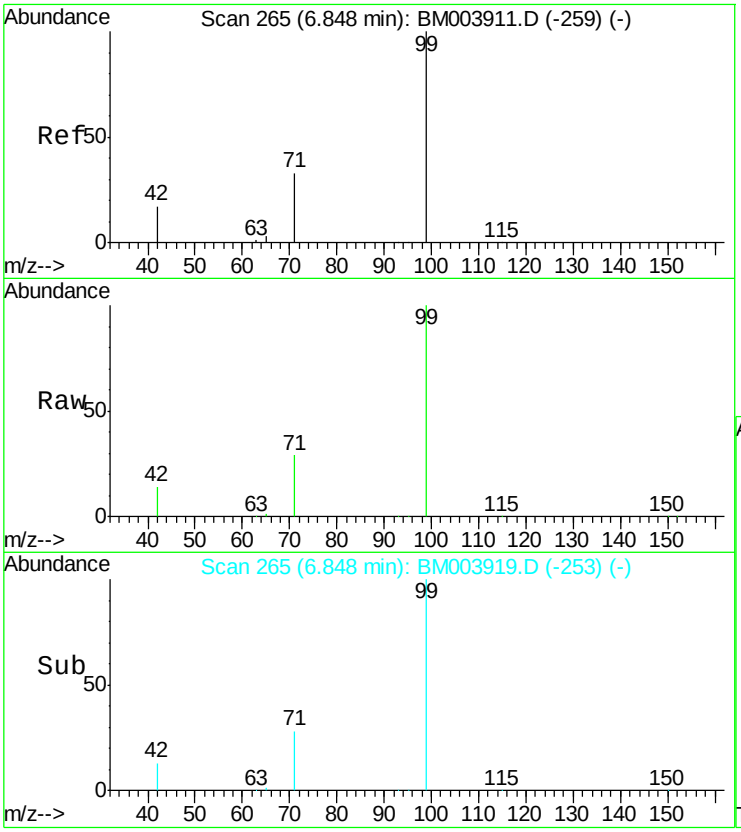


#4
2-Fluorophenol
Concen: 7.68 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:112 Resp: 64524

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.8	62.8
63	27.7	22.1	33.1



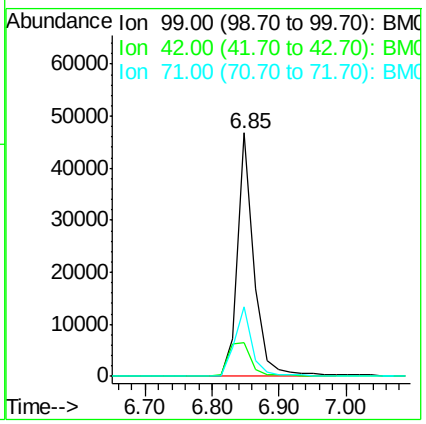


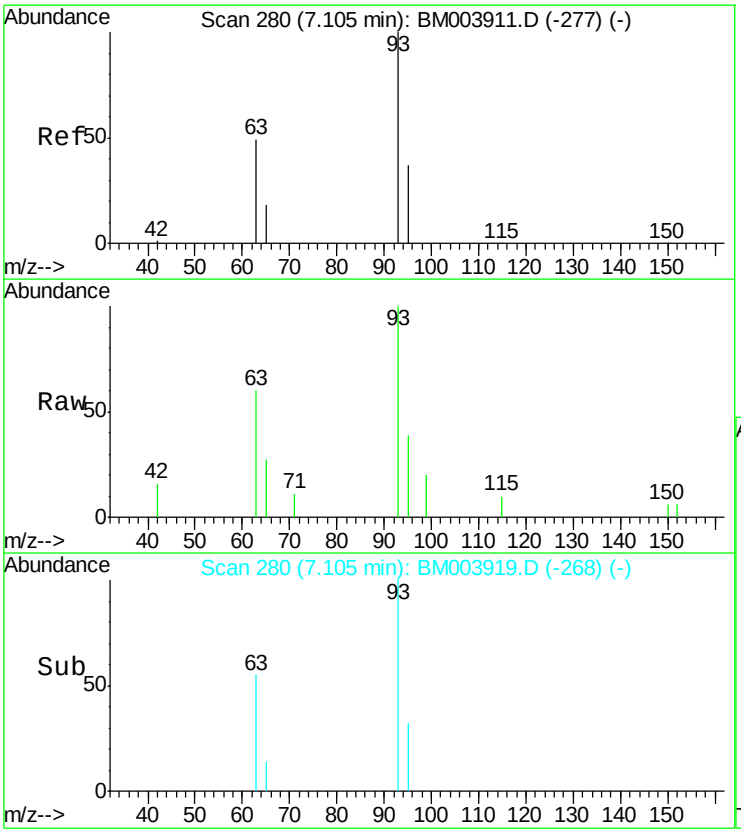
#5
Phenol-d6
Concen: 7.73 ng
RT: 6.85 min Scan# 265
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 99 Resp: 79498

Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.2	24.2
71	30.3	24.4	36.6

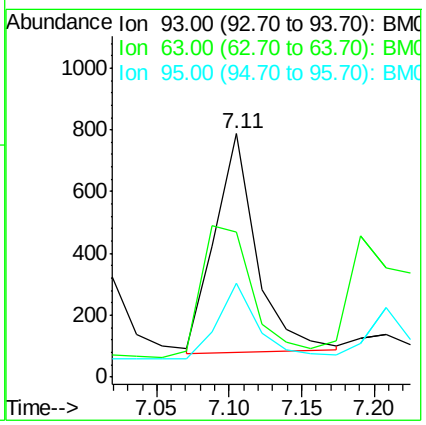


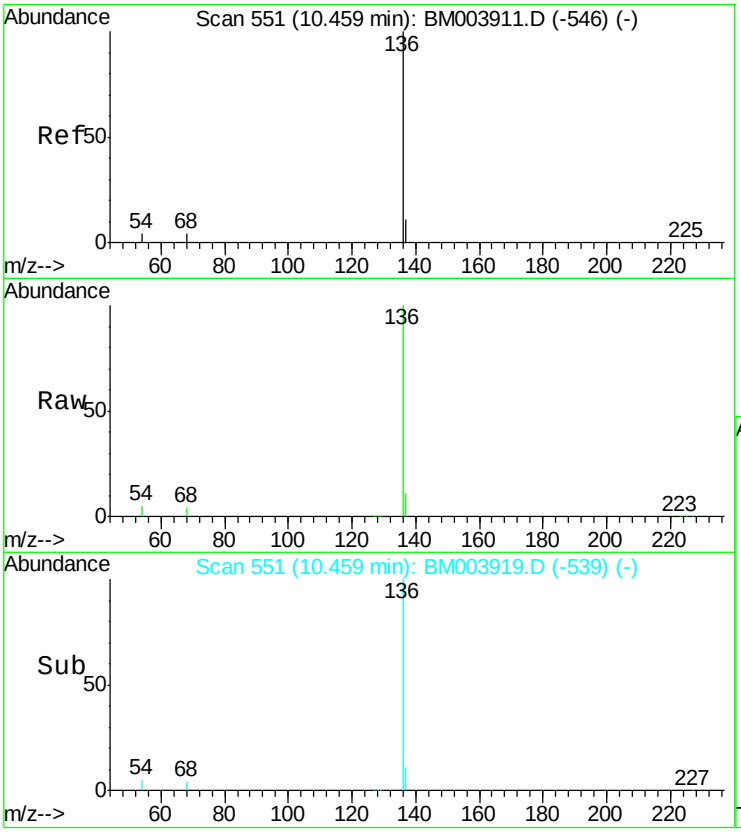


#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion: 93 Resp: 1422

Ion	Ratio	Lower	Upper
93	100		
63	74.2	58.3	87.5
95	34.5	25.8	38.8



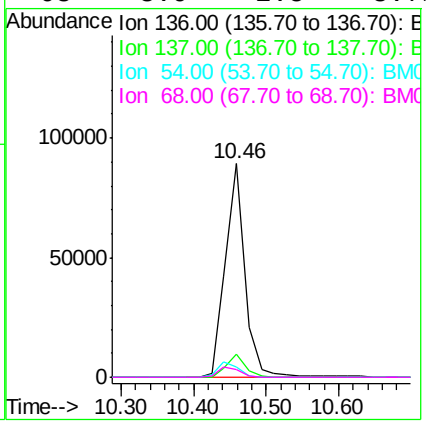


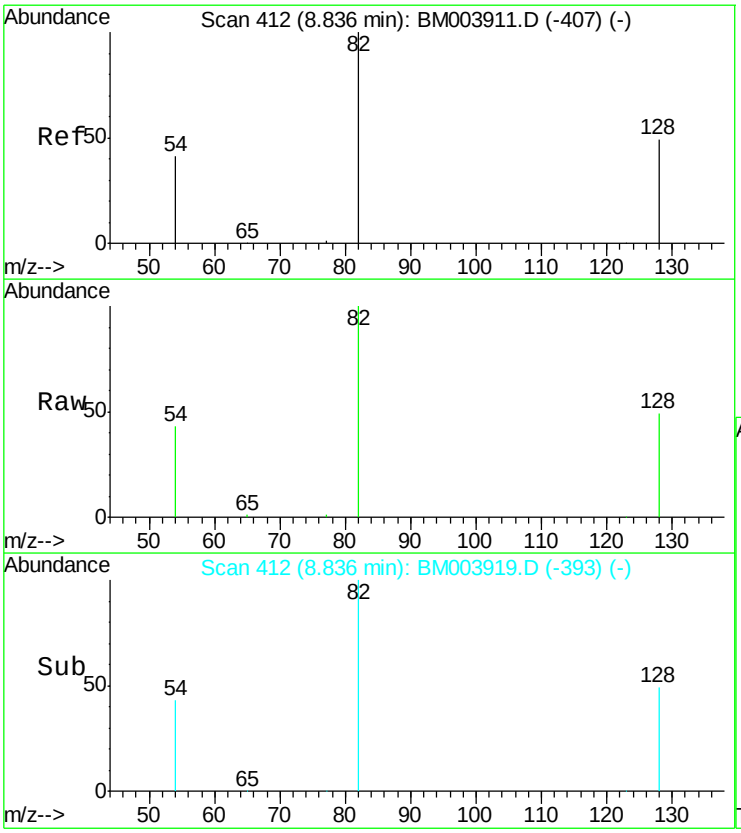
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:136 Resp: 165888

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	4.8	2.8	4.2#
68	3.9	2.5	3.7#

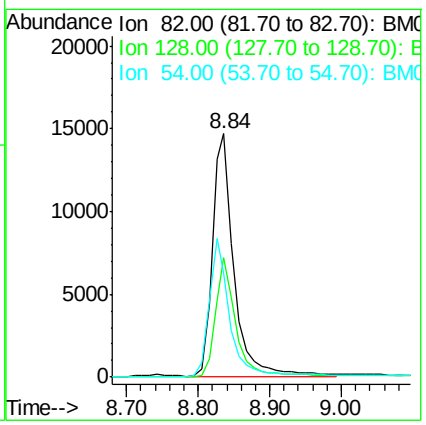


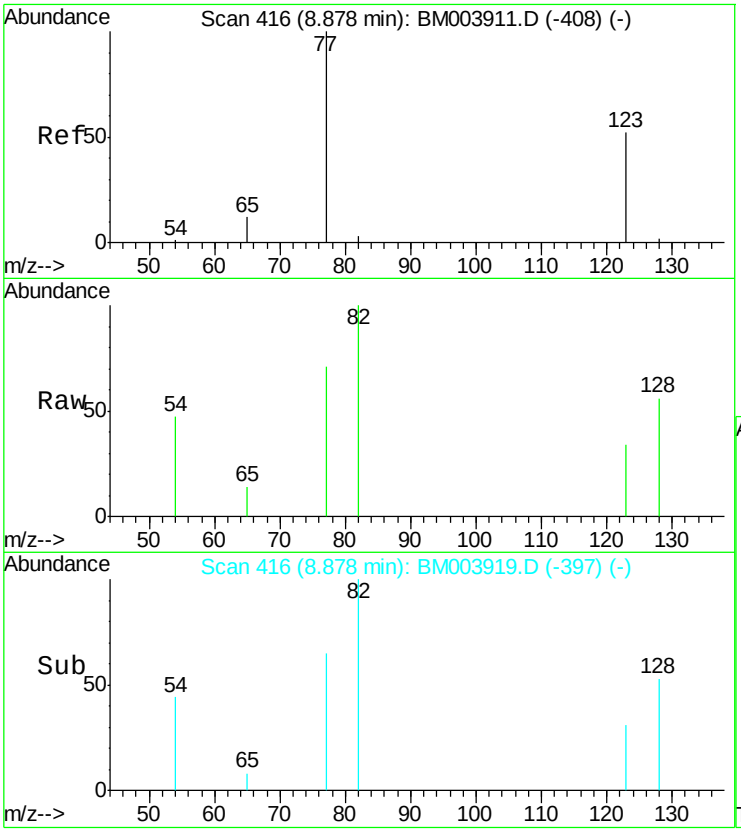


#8
Nitrobenzene-d5
Concen: 3.78 ng
RT: 8.84 min Scan# 412
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion: 82 Resp: 30858

Ion	Ratio	Lower	Upper
82	100		
128	48.9	39.1	58.7
54	42.9	34.8	52.2



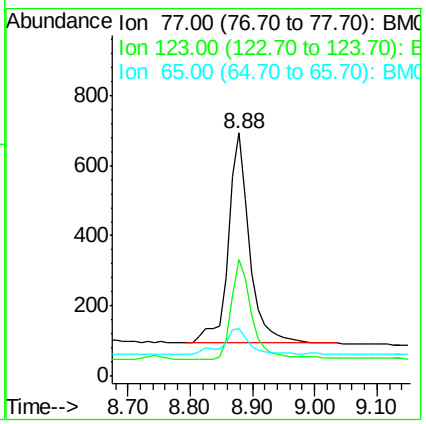


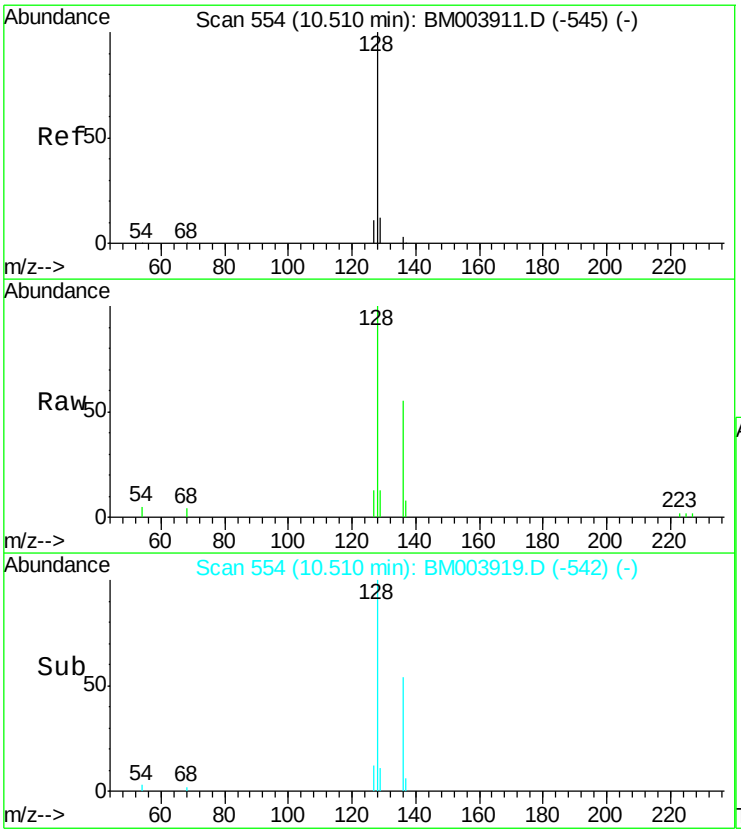
#9
Nitrobenzene
Concen: 0.16 ng
RT: 8.88 min Scan# 416
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 77 Resp: 1427

Ion	Ratio	Lower	Upper
77	100		
123	45.8	38.6	57.8
65	15.3	9.9	14.9#

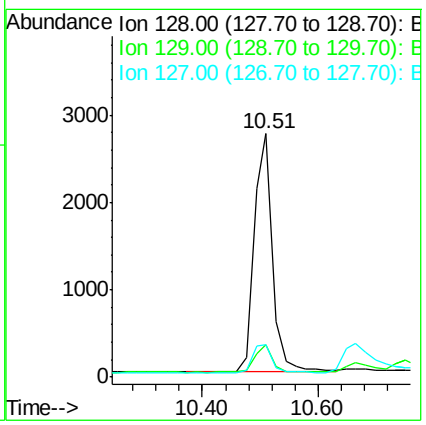


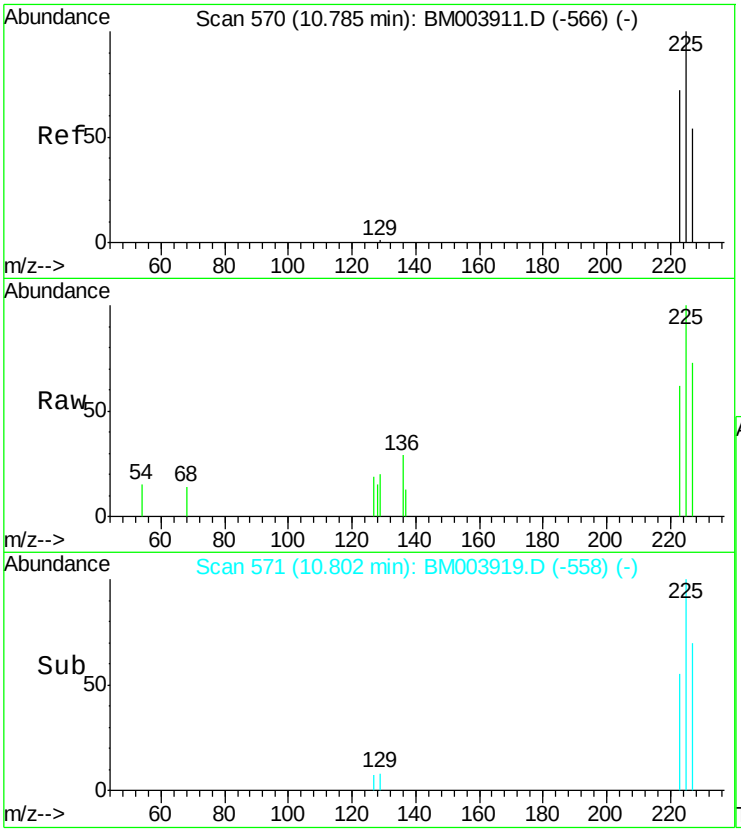


#10
Naphthalene
Concen: 0.17 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:128 Resp: 6039

Ion	Ratio	Lower	Upper
128	100		
129	13.1	8.5	12.7#
127	13.2	11.0	16.4



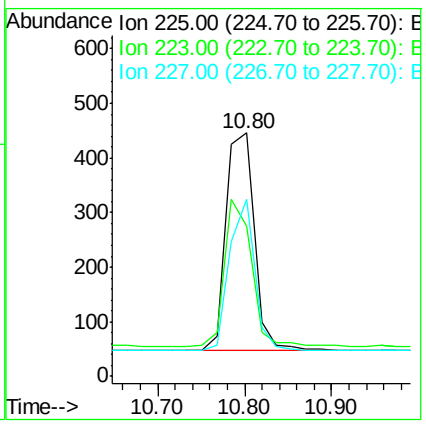


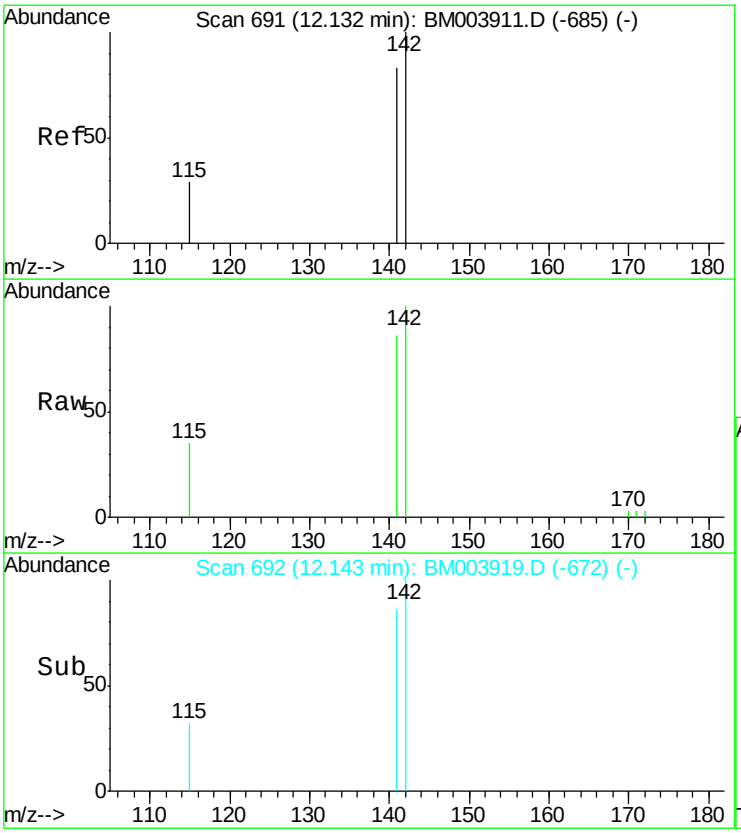
#11
Hexachlorobutadiene
Concen: 0.16 ng
RT: 10.80 min Scan# 571
Delta R.T. 0.02 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:225 Resp: 900

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.9	76.3
227	62.4	51.2	76.8

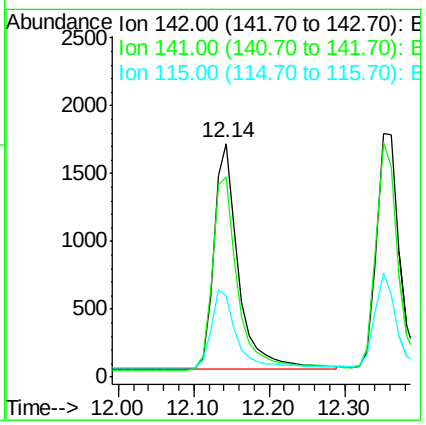


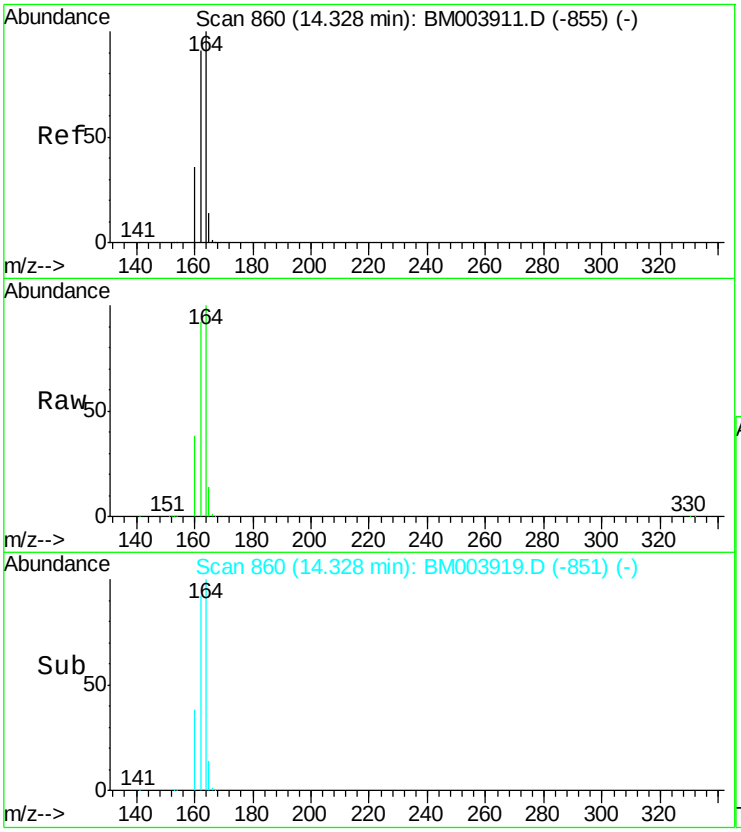


#12
2-Methylnaphthalene
Concen: 0.16 ng
RT: 12.14 min Scan# 692
Delta R.T. 0.01 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:142 Resp: 3844

Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.8	101.8
115	34.7	25.3	37.9



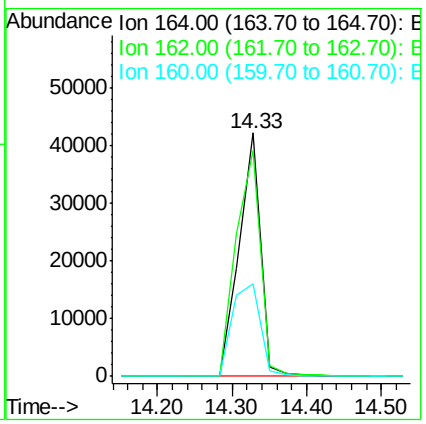


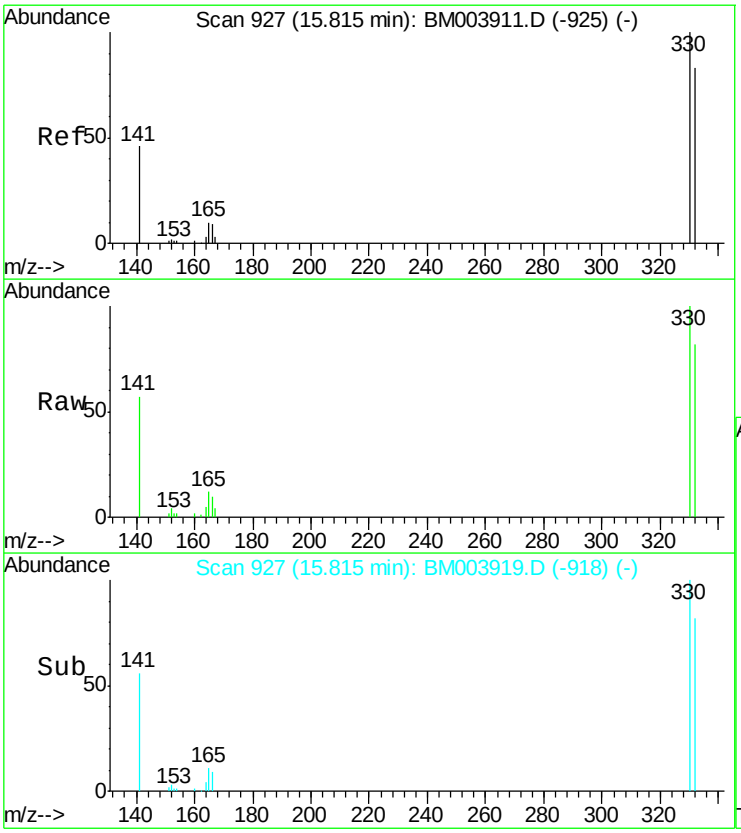
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:164 Resp: 84146

Ion	Ratio	Lower	Upper
164	100		
162	92.5	86.0	129.0
160	38.1	40.3	60.5#

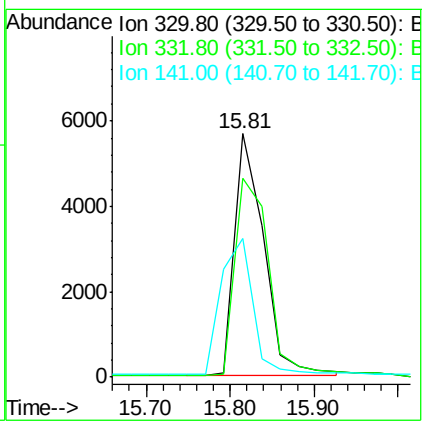


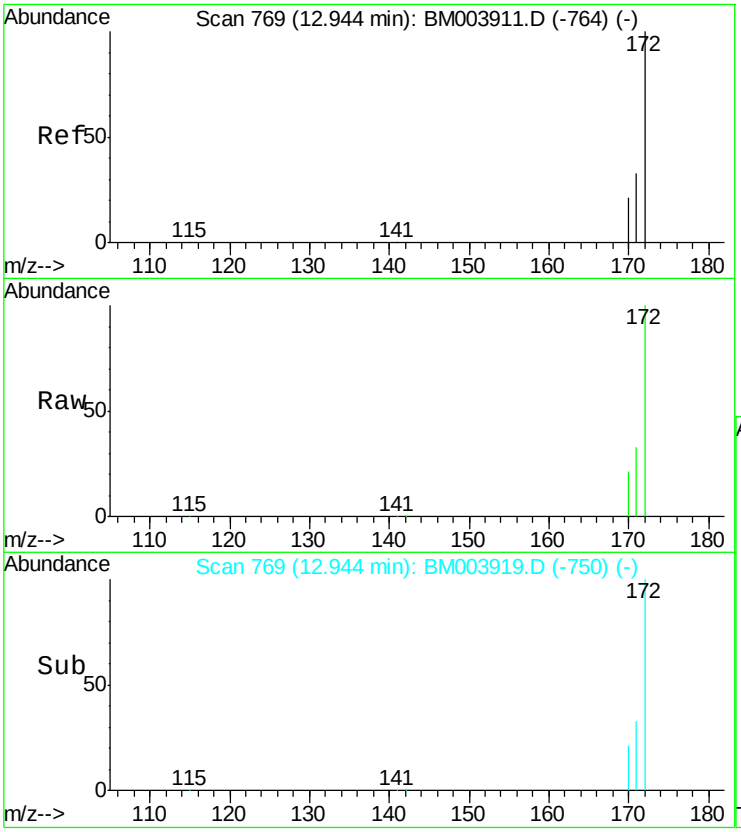


#14
2,4,6-Tribromophenol
Concen: 5.39 ng
RT: 15.81 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:330 Resp: 13421

Ion	Ratio	Lower	Upper
330	100		
332	94.2	79.0	118.4
141	63.2	0.0	0.0#



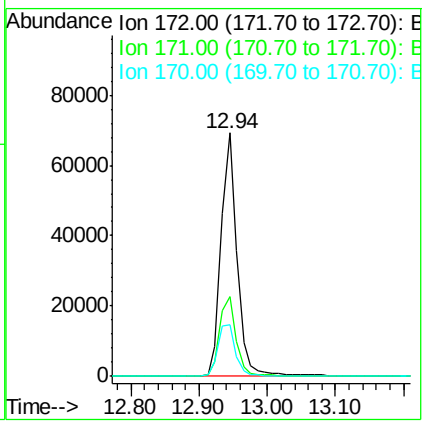


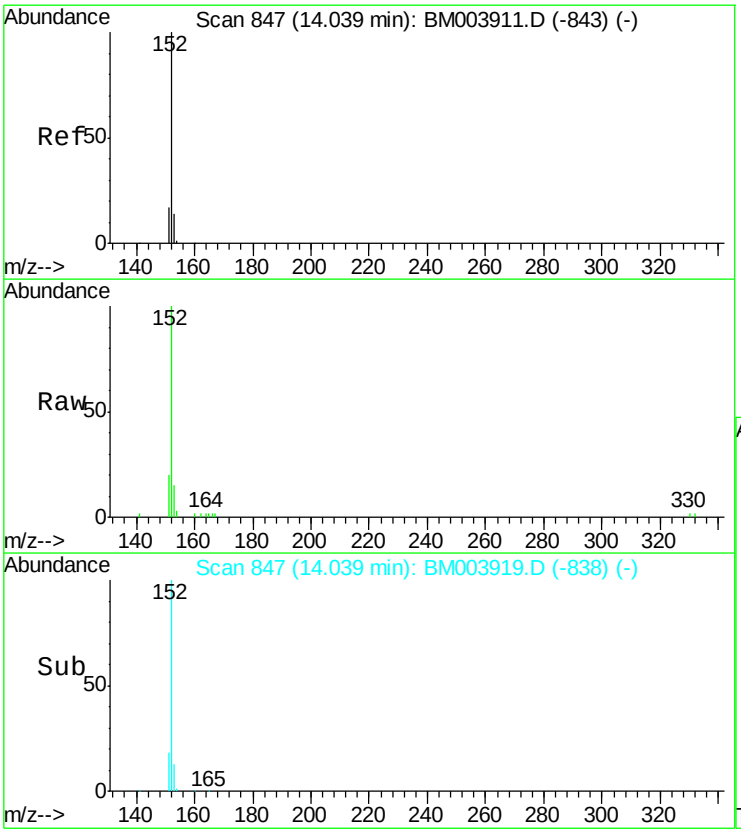
#15
2-Fluorobiphenyl
Concen: 4.14 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:172 Resp: 112425

Ion	Ratio	Lower	Upper
172	100		
171	33.0	27.0	40.6
170	21.1	17.9	26.9

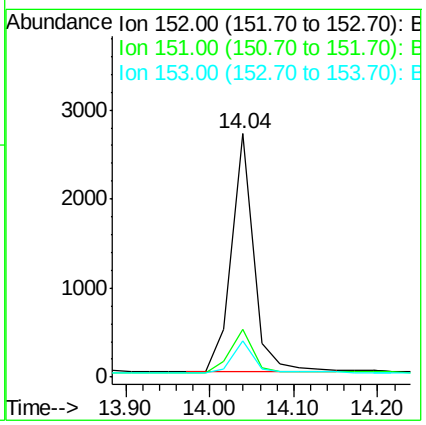


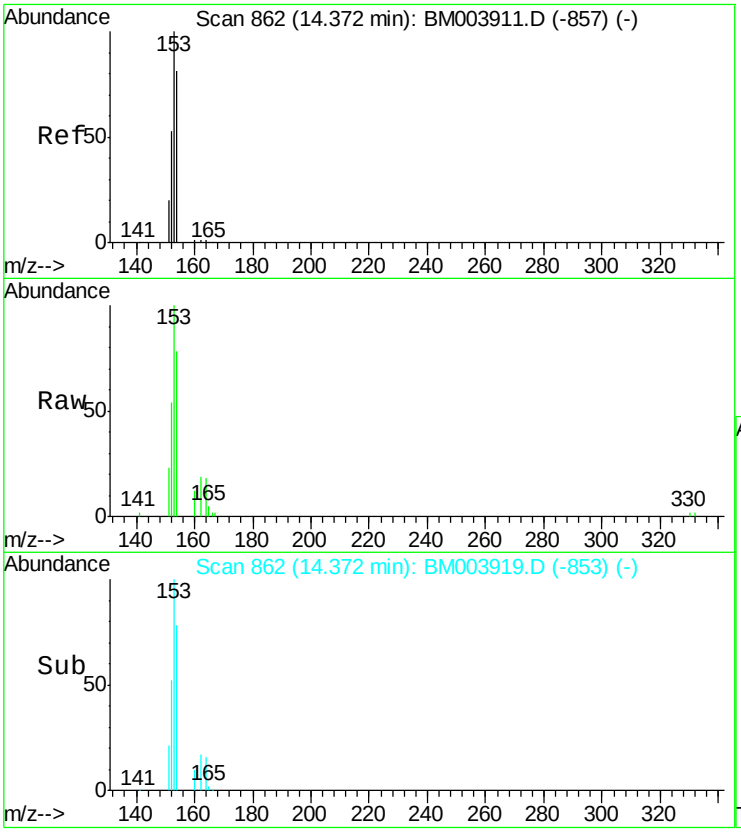


#16
Acenaphthylene
Concen: 0.14 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:152 Resp: 4888

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.8	23.8
153	13.1	10.2	15.4



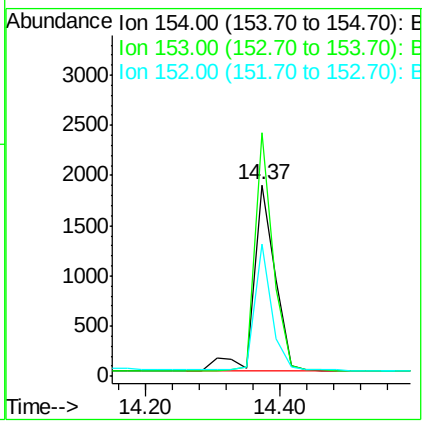


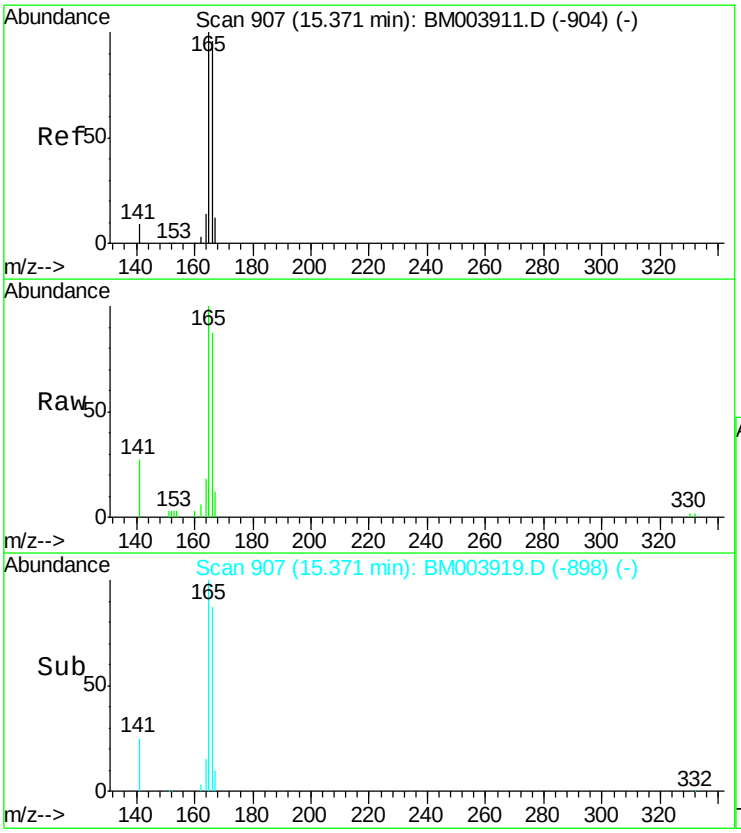
#17
Acenaphthene
Concen: 0.17 ng
RT: 14.37 min Scan# 862
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:154 Resp: 4160

Ion	Ratio	Lower	Upper
154	100		
153	106.0	85.4	128.2
152	52.0	40.6	60.8

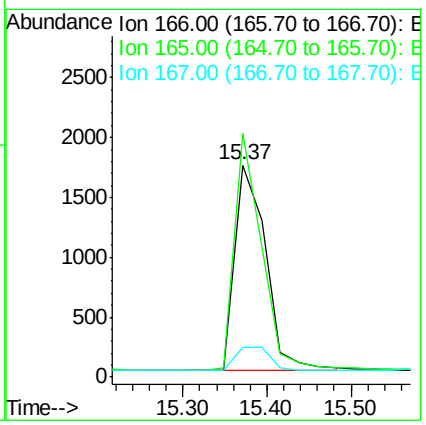


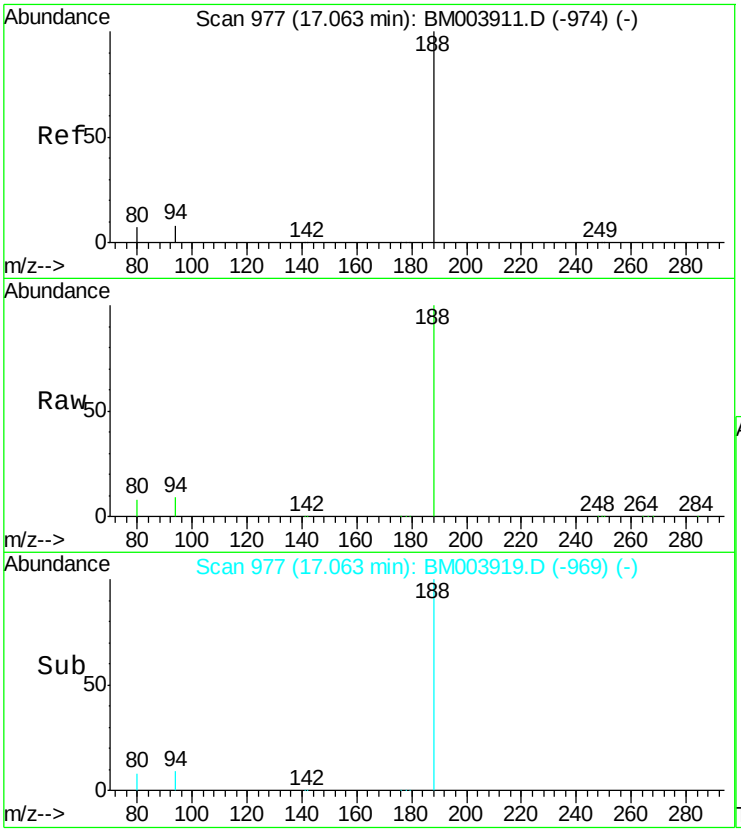


#18
Fluorene
Concen: 0.15 ng
RT: 15.37 min Scan# 907
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:166 Resp: 4332

Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.2	115.8
167	13.3	11.0	16.6



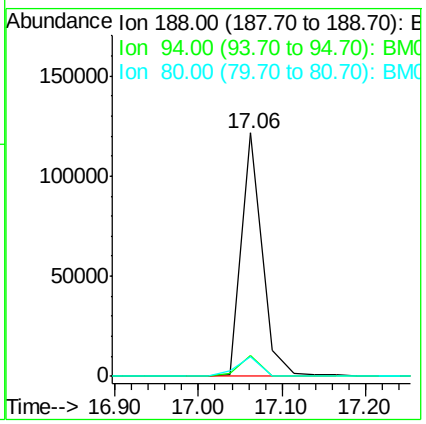


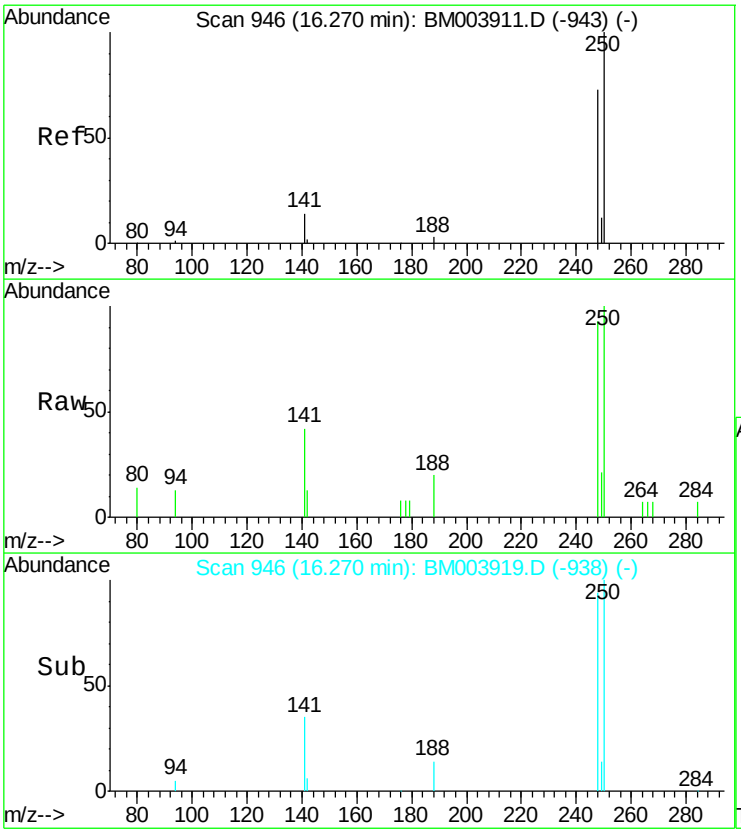
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:188 Resp: 212294

Ion	Ratio	Lower	Upper
188	100		
94	8.6	20.3	30.5#
80	7.9	22.2	33.4#

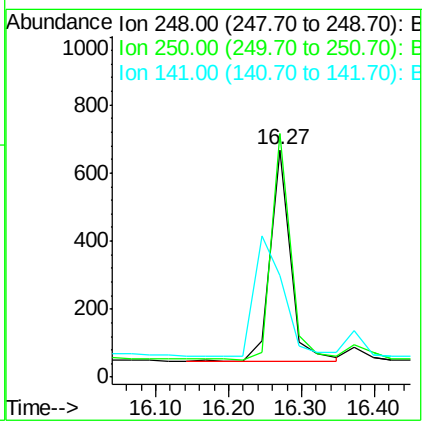


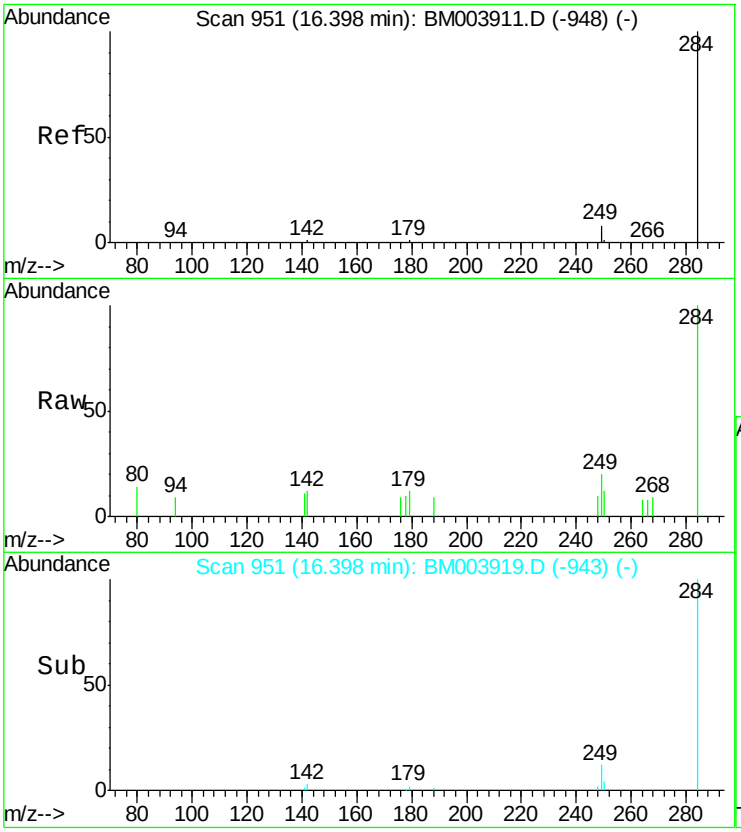


#20
4-Bromophenyl-phenylether
Concen: 0.18 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:248 Resp: 1178

Ion	Ratio	Lower	Upper
248	100		
250	101.4	75.0	112.4
141	0.0	53.0	79.4#



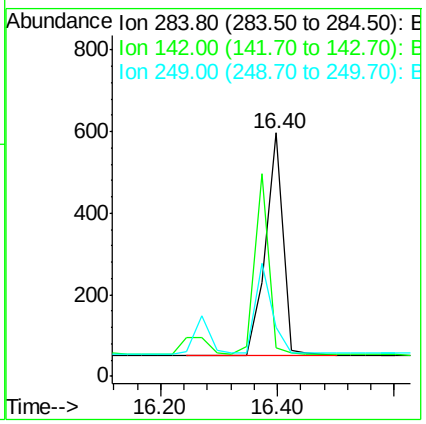


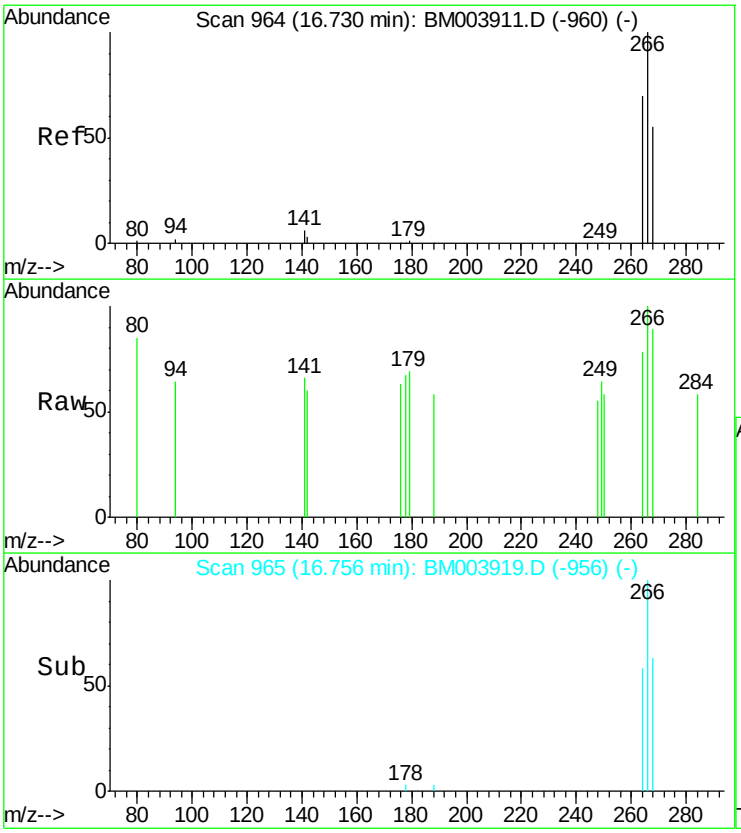
#21
Hexachlorobenzene
Concen: 0.17 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 1165

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

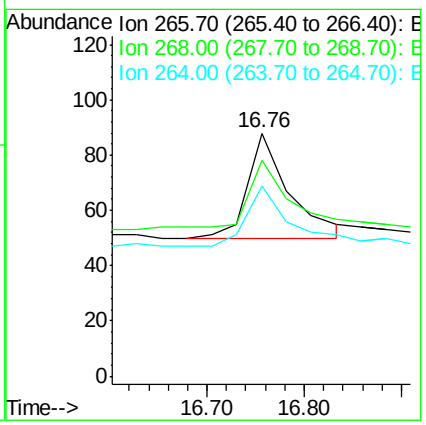


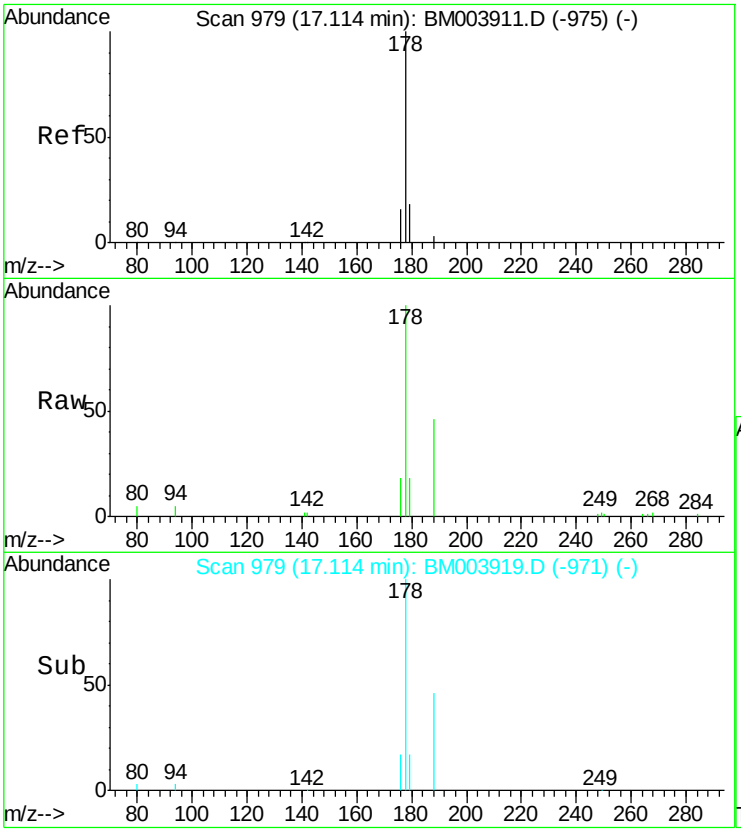


#22
Pentachlorophenol
Concen: 0.19 ng
RT: 16.76 min Scan# 965
Delta R.T. 0.03 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:266 Resp: 113

Ion	Ratio	Lower	Upper
266	100		
268	88.6	62.7	94.1
264	78.4	45.7	68.5#



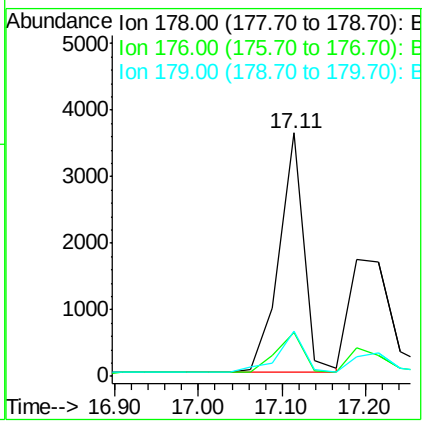


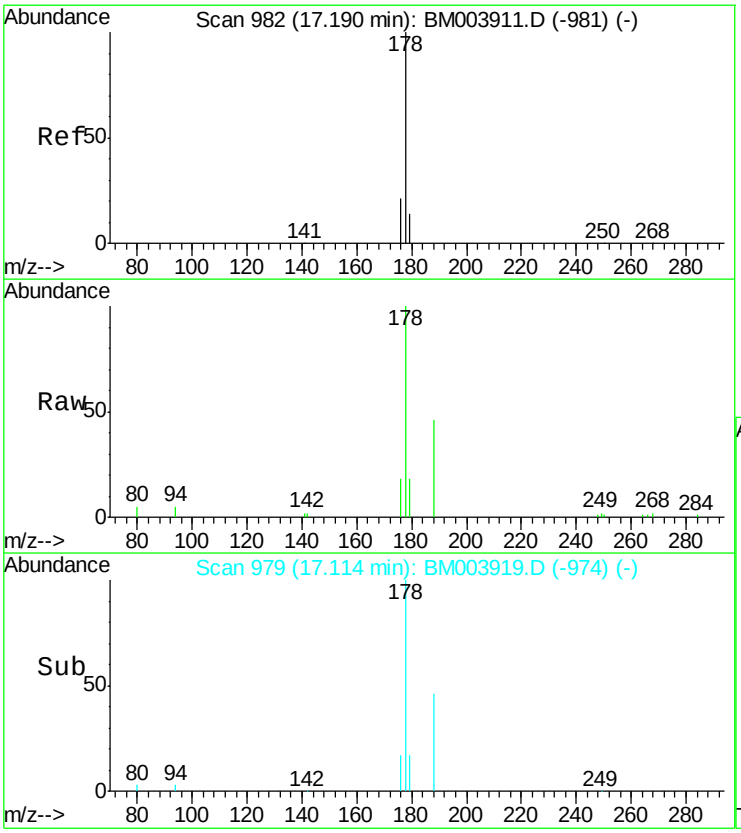
#23
Phenanthrene
Concen: 0.12 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:178 Resp: 7439

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	17.7	12.2	18.4

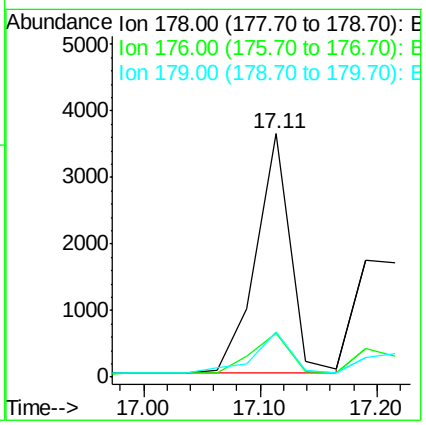


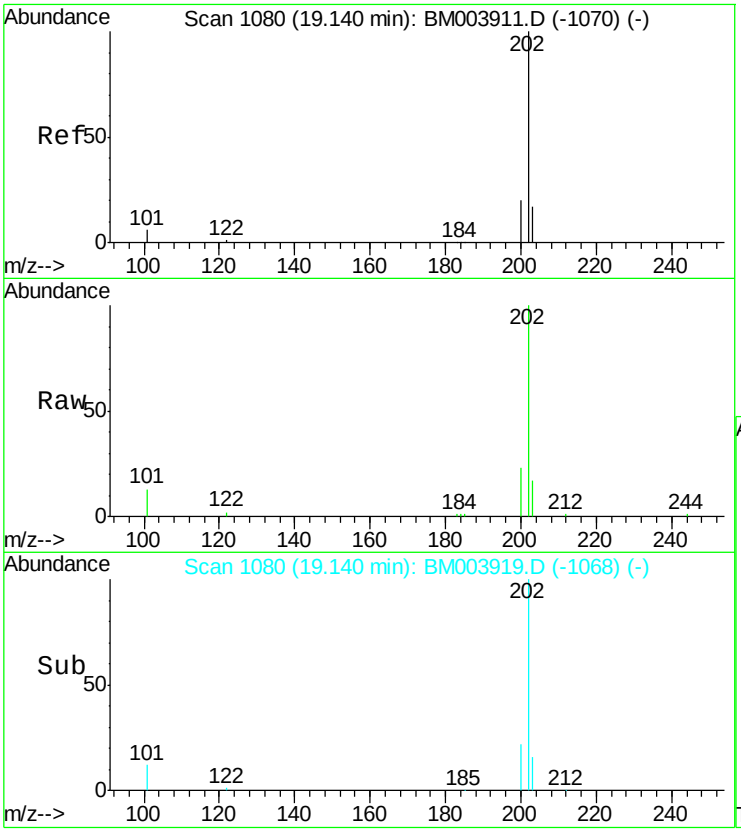


#24
Anthracene
Concen: 0.17 ng
RT: 17.11 min Scan# 979
Delta R.T. -0.08 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:178 Resp: 7430

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	17.7	12.6	19.0



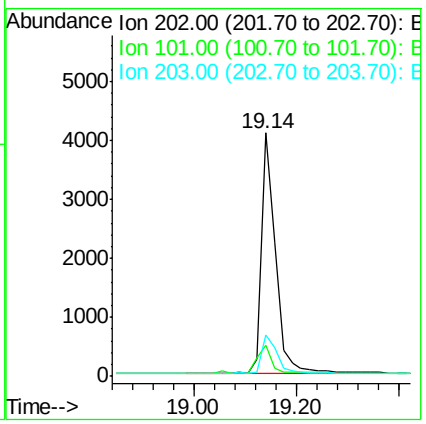


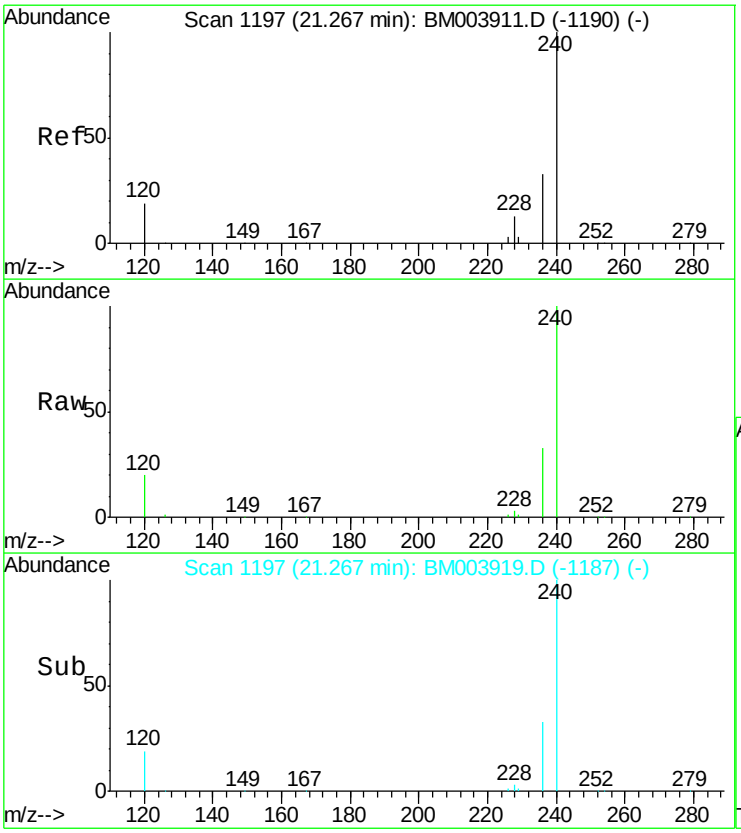
#25
Fluoranthene
Concen: 0.16 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:202 Resp: 7604

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.7	14.5
203	17.6	13.8	20.8

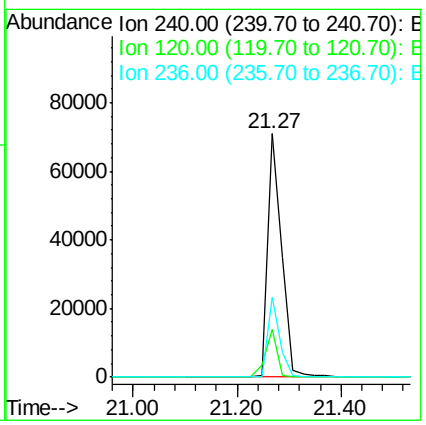


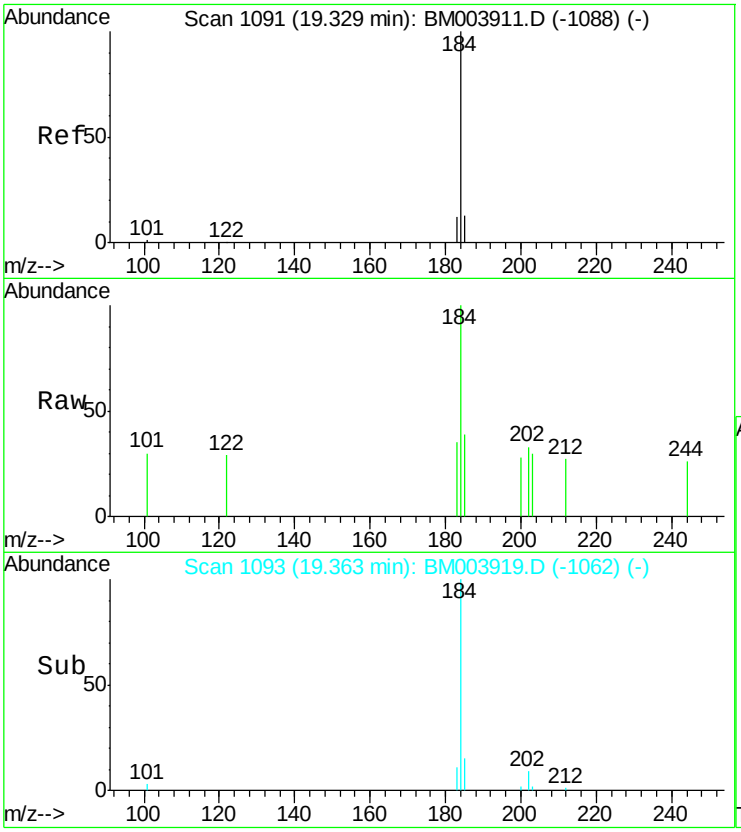


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:240 Resp: 134704

Ion	Ratio	Lower	Upper
240	100		
120	19.6	0.9	1.3#
236	32.8	17.3	25.9#



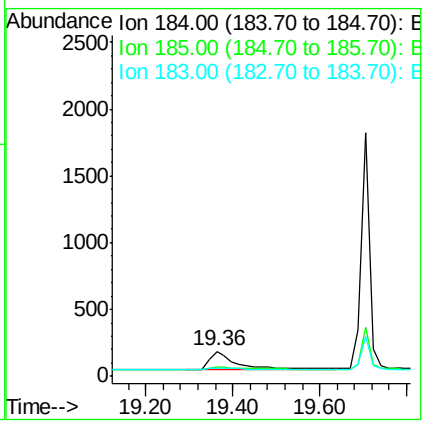


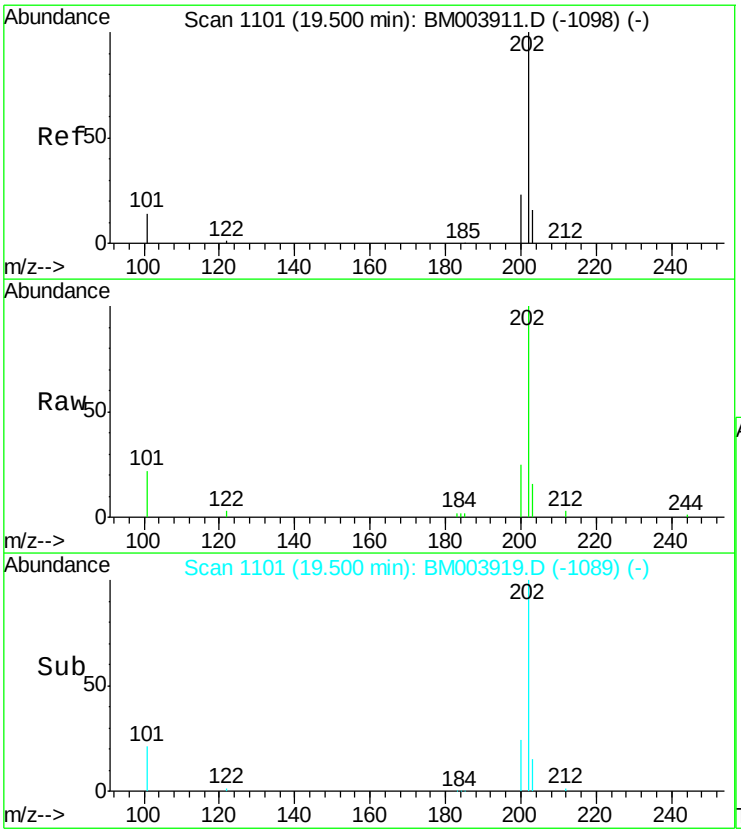
#27
Benzidine
Concen: 0.18 ng
RT: 19.36 min Scan# 1093
Delta R.T. 0.03 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:184 Resp: 624

Ion	Ratio	Lower	Upper
184	100		
185	38.8	13.2	19.8#
183	34.6	9.0	13.6#

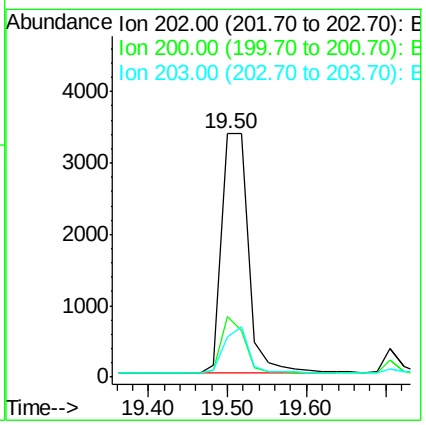


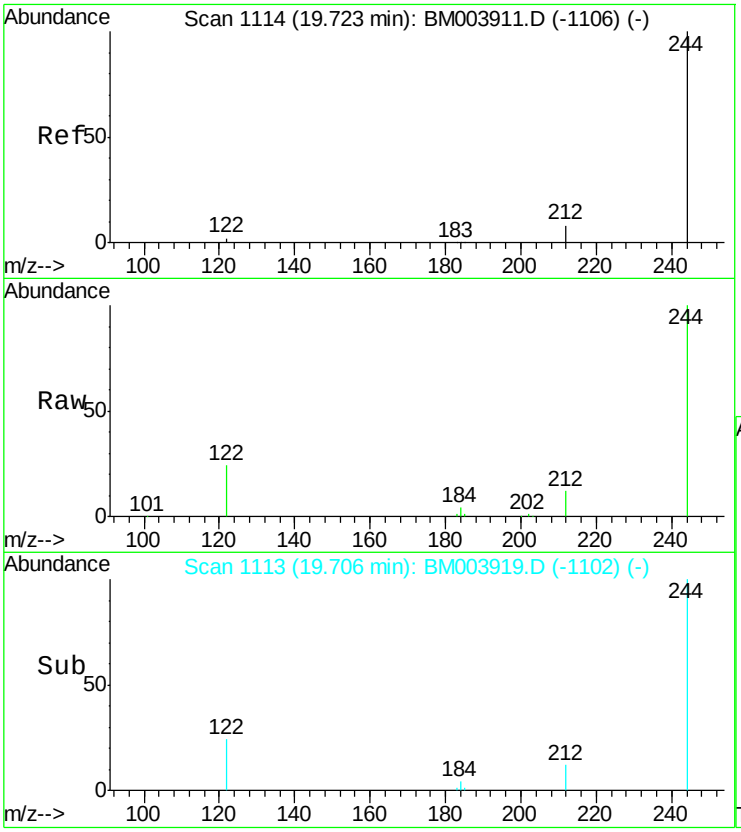


#28
Pyrene
Concen: 0.16 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:202 Resp: 7839

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	17.9	14.0	21.0



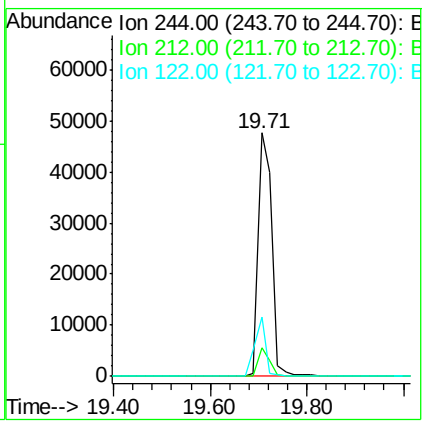


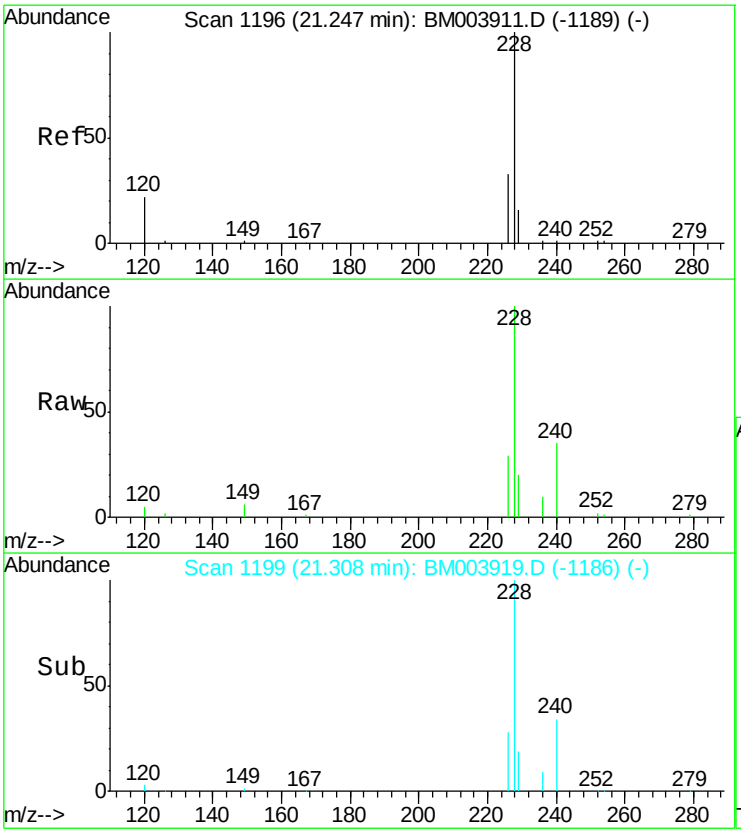
#29
Terphenyl-d14
Concen: 4.34 ng
RT: 19.71 min Scan# 1113
Delta R.T. -0.02 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:244 Resp: 94546

Ion	Ratio	Lower	Upper
244	100		
212	11.7	7.0	10.6#
122	24.4	3.0	4.6#

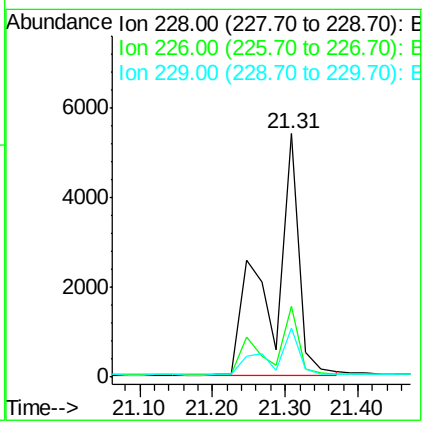


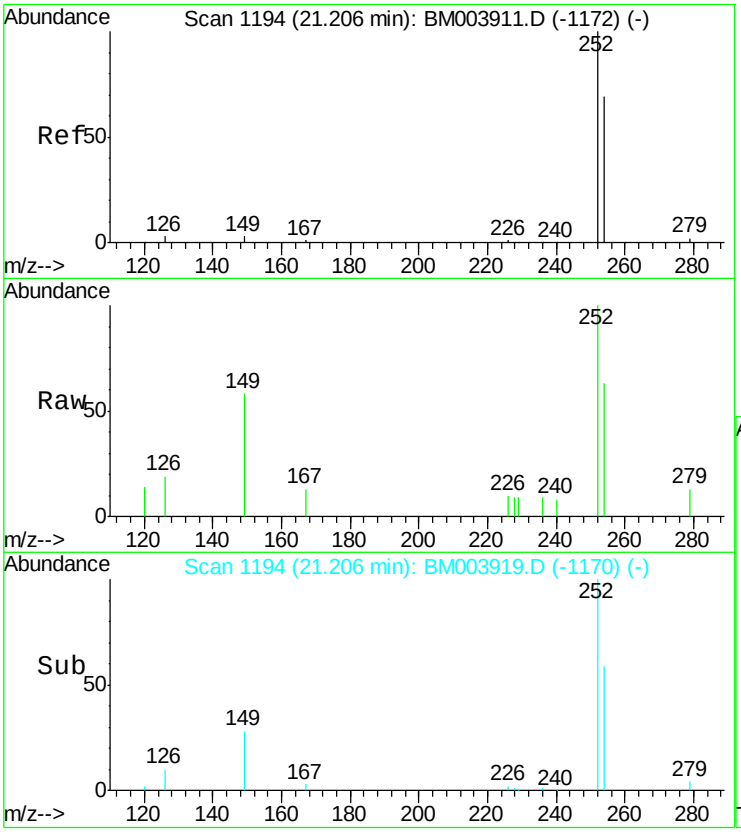


#30
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.31 min Scan# 1199
Delta R.T. 0.06 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:228 Resp: 13887

Ion	Ratio	Lower	Upper
228	100		
226	29.1	17.2	25.8#
229	20.2	18.7	28.1



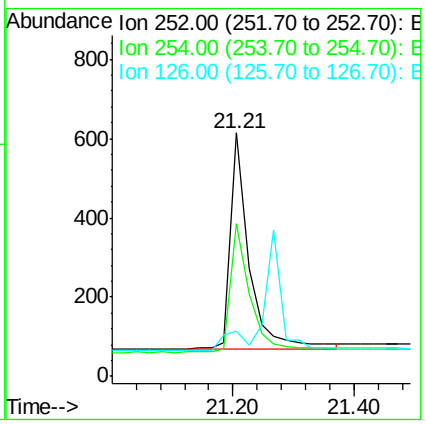


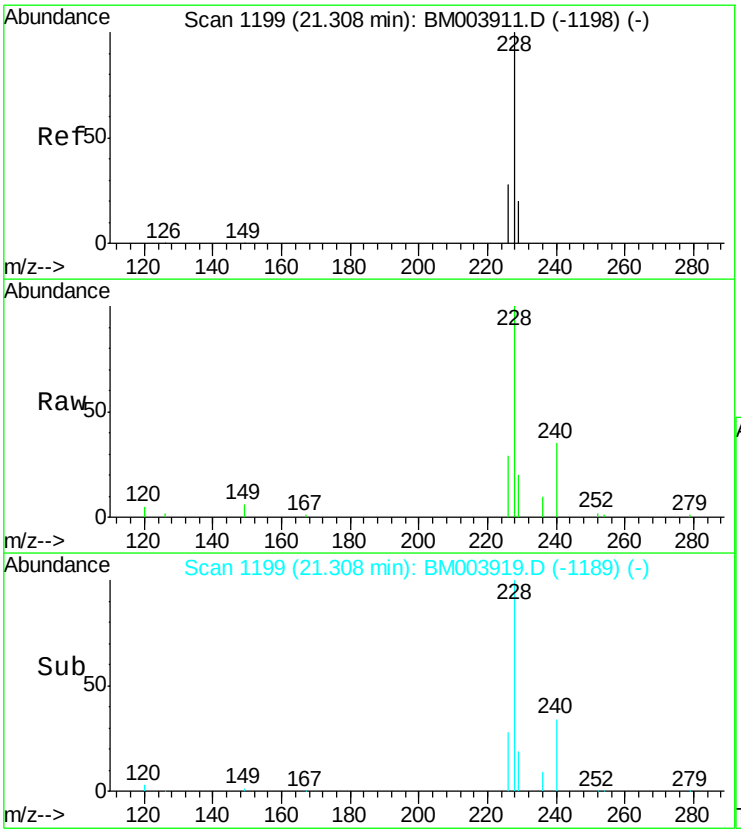
#31
3,3'-Dichlorobenzidine
Concen: 0.33 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 1163

Ion	Ratio	Lower	Upper
252	100		
254	62.5	52.6	79.0
126	18.7	3.7	5.5#

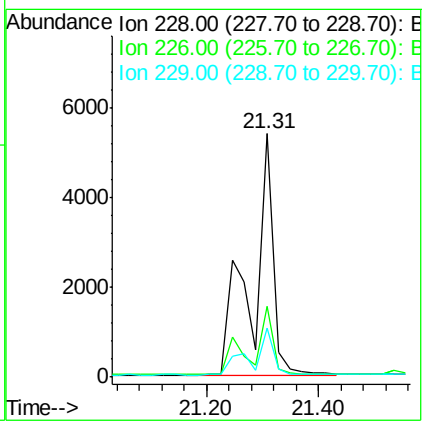


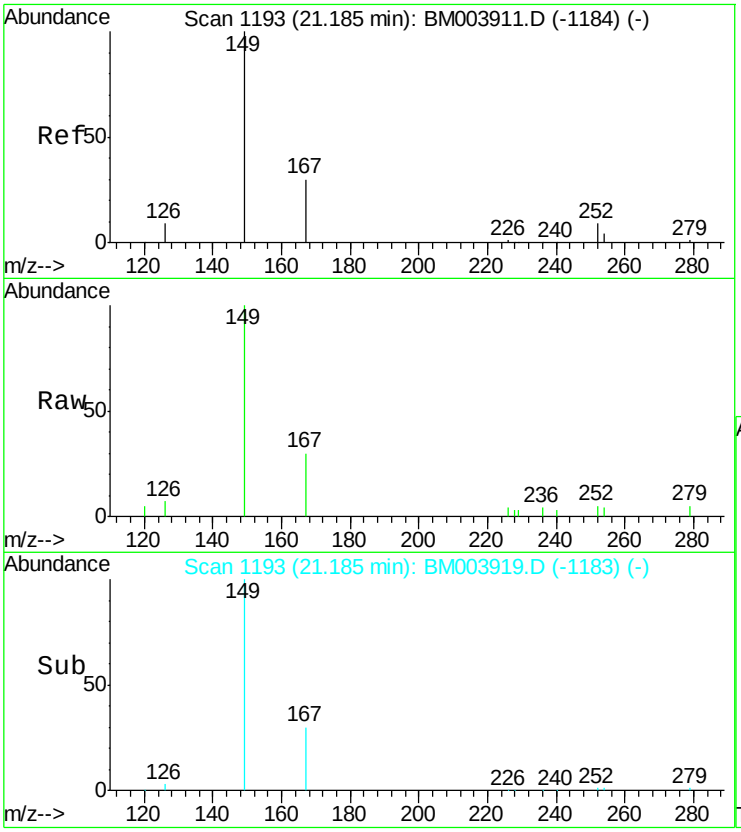


#32
Chrysene
Concen: 0.35 ng
RT: 21.31 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:228 Resp: 14014

Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.3	37.9
229	20.2	14.5	21.7



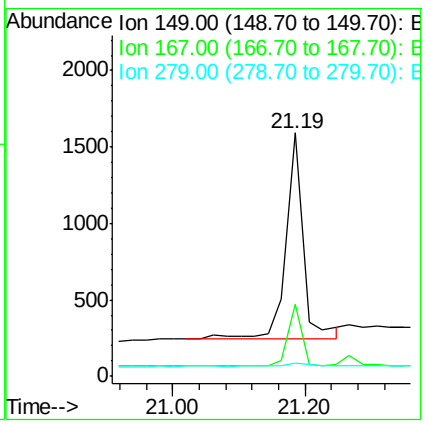


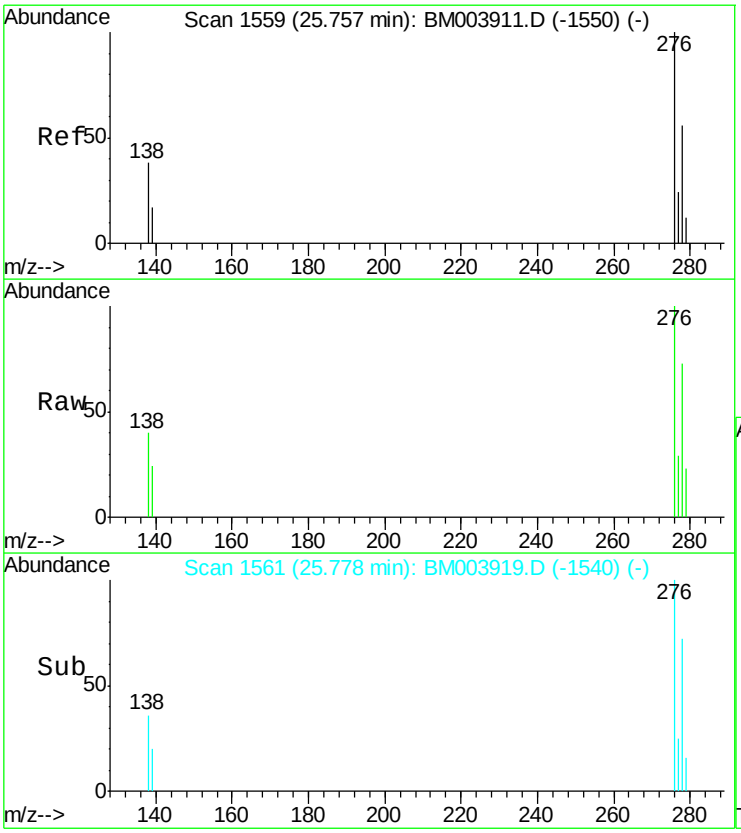
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.45 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:149 Resp: 2418

Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.1	30.1
279	2.6	0.0	0.0#

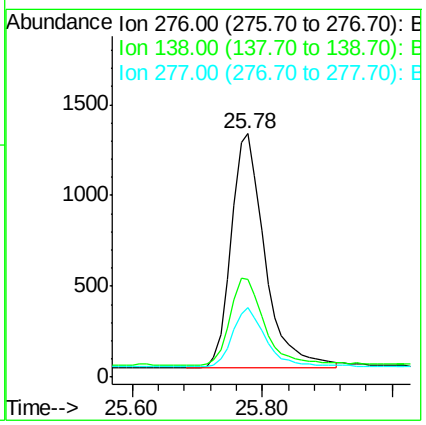


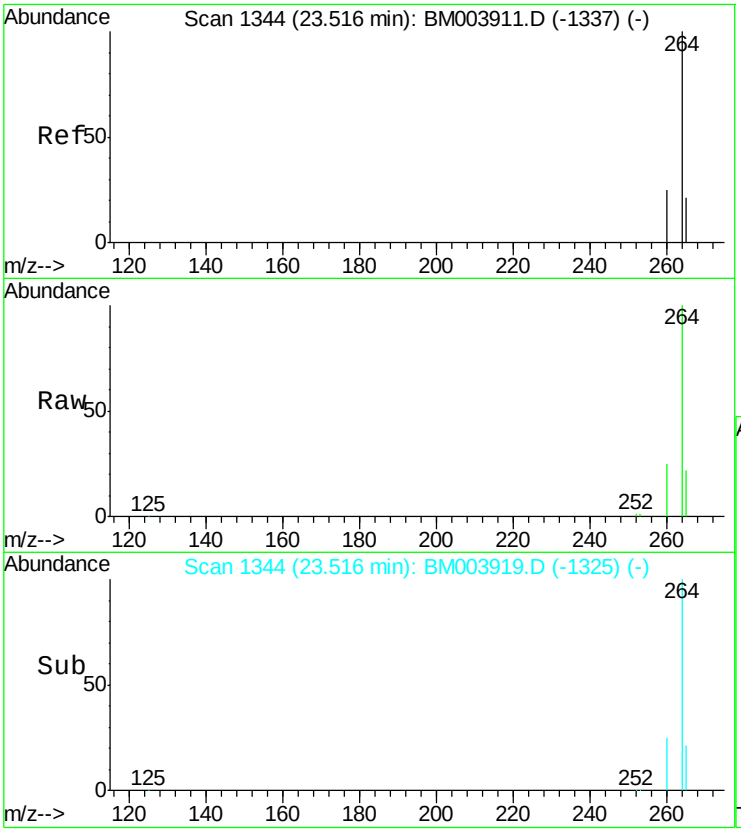


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 25.78 min Scan# 1561
Delta R.T. 0.02 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:276 Resp: 4645

Ion	Ratio	Lower	Upper
276	100		
138	38.0	30.2	45.2
277	24.9	19.8	29.8



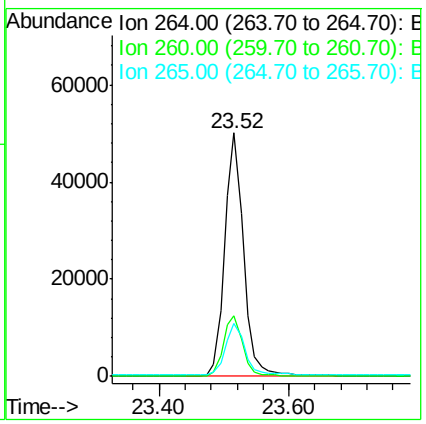


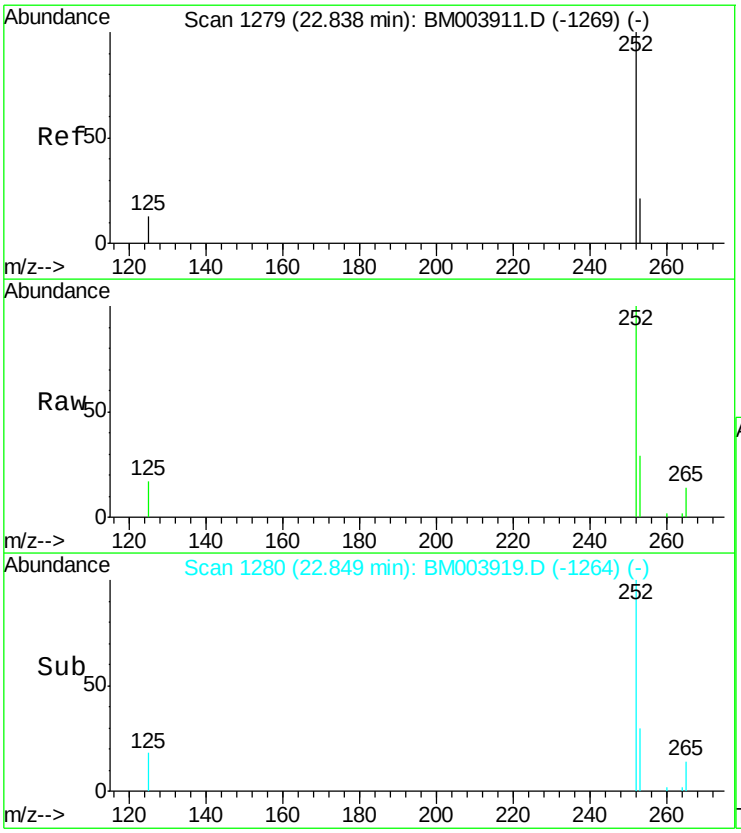
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:264 Resp: 99961

Ion	Ratio	Lower	Upper
264	100		
260	25.0	21.2	31.8
265	22.0	16.7	25.1

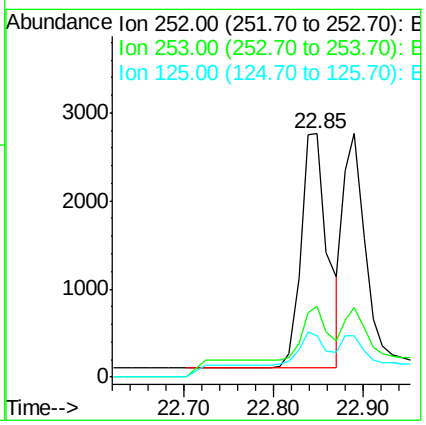


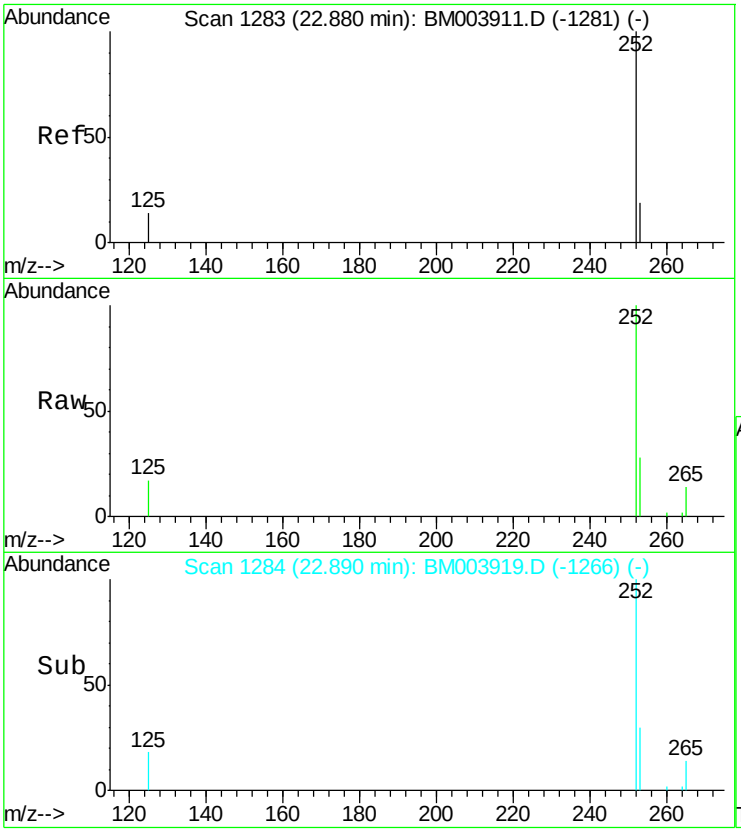


#36
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 22.85 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:252 Resp: 5910

Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.8	28.2#
125	16.9	10.2	15.4#



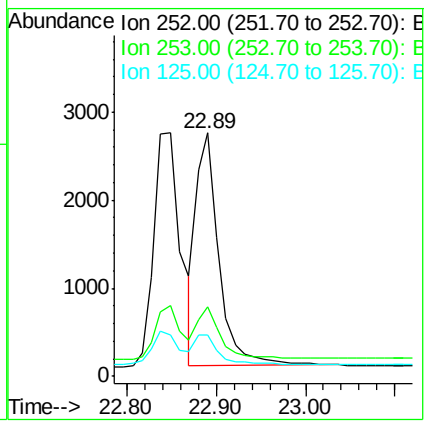


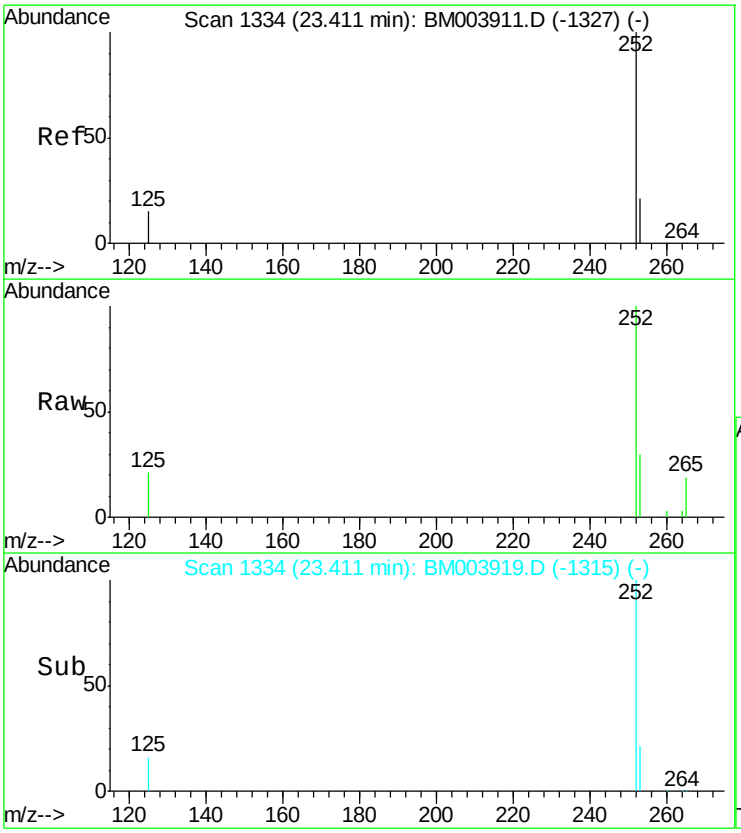
#37
Benzo(k)fluoranthene
Concen: 0.16 ng
RT: 22.89 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 4736

Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.3	27.5#
125	16.9	10.6	15.8#

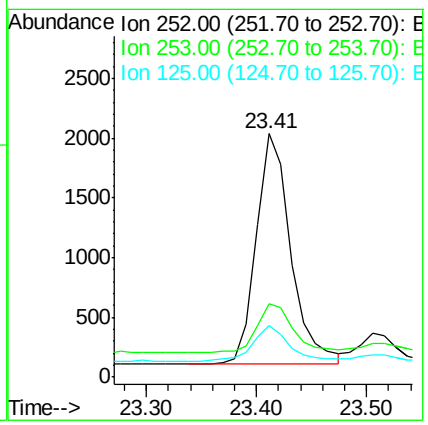


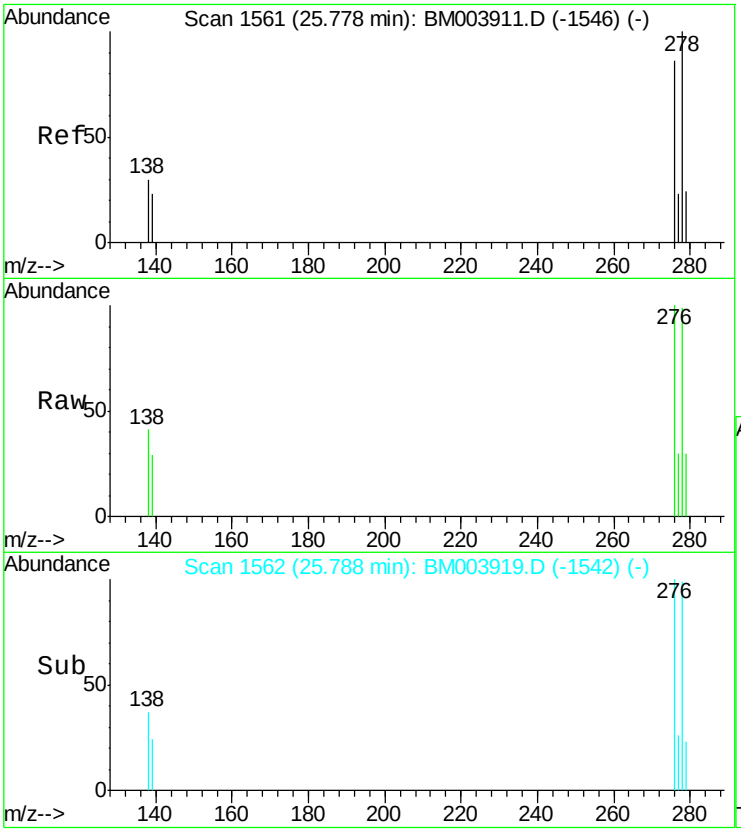


#38
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.41 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:252 Resp: 4176

Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.7	28.1#
125	21.3	11.8	17.8#



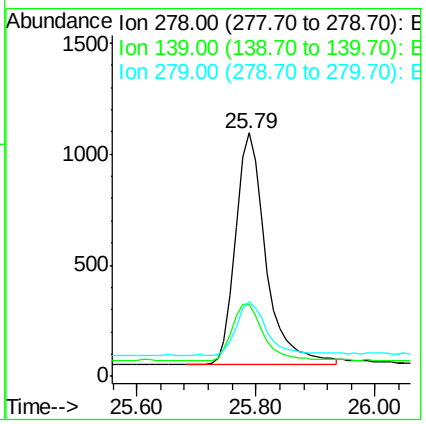


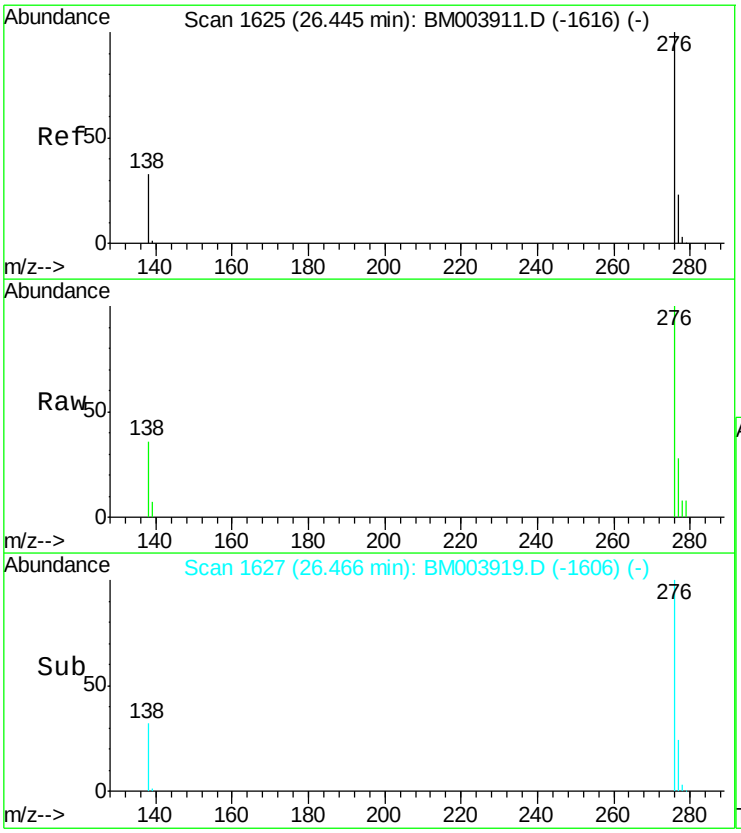
#39
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 25.79 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:278 Resp: 3692

Ion	Ratio	Lower	Upper
278	100		
139	29.5	19.0	28.6#
279	30.8	19.6	29.4#





#40
Benzo(g,h,i)perylene
Concen: 0.18 ng
RT: 26.47 min Scan# 1627
Delta R.T. 0.02 min
Lab File: BM003919.D
Acq: 31 Dec 2015 18:04

Tgt Ion:276 Resp: 4253

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.1	28.7
138	36.2	25.0	37.4