Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
Data File : BM003334.D
Acq On : 01 Dec 2015 00:22
Operator : UM/IZ
Sample : G3707-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-SOIL2015-02

Quant Time: Dec 01 02:52:11 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 27 16:36:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	60886	5.00	ng		-0.02
7) Naphthalene-d8	10.51	136	246128	5.00	ng		-0.02
13) Acenaphthene-d10	14.38	164	123373	5.00	ng		0.00
19) Phenanthrene-d10	17.12	188	252551	5.00	ng		0.00
26) Chrysene-d12	21.32	240	190408	5.00	ng		0.00
35) Perylene-d12	23.57	264	155211	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	101047	8.41	ng		0.00
5) Phenol-d6	6.88	99	127652	9.27	ng		-0.02
8) Nitrobenzene-d5	8.88	82	49381	4.51	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	28792	9.99	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	174517	4.38	ng		-0.01
29) Terphenyl-d14	19.76	244	116376	4.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	1005	0.11	ng		89
3) n-Nitrosodimethylamine	3.54	42	835	0.15	ng	#	97
6) bis(2-Chloroethyl)ether	7.14	93	2242	0.16	ng		98
9) Nitrobenzene	8.93	77	2192	0.18	ng		96
10) Naphthalene	10.56	128	8512	0.16	ng		98
11) Hexachlorobutadiene	10.85	225	1252	0.15	ng		96
12) 2-Methylnaphthalene	12.18	142	5502	0.16	ng		98
16) Acenaphthylene	14.09	152	6382	0.14	ng		99
17) Acenaphthene	14.42	154	5741	0.16	ng	#	100
18) Fluorene	15.42	166	6461	0.18	ng		97
20) 4-Bromophenyl-phenylether	16.30	248	1696	0.38	ng		97
21) Hexachlorobenzene	16.43	284	2096	0.24	ng	#	89
22) Pentachlorophenol	16.79	266	193	0.16	ng	#	81
23) Phenanthrene	17.15	178	10534	0.28	ng		98
24) Anthracene	17.25	178	8339	0.18	ng		100
25) Fluoranthene	19.18	202	8851	0.16	ng		100
27) Benzidine	19.37	184	1865	0.35	ng	#	90
28) Pyrene	19.54	202	9094	0.16	ng		99
30) Benzo(a)anthracene	21.30	228	7698	0.16	ng		96
31) 3,3'-Dichlorobenzidine	21.24	252	1904	0.35	ng	#	93
32) Chrysene	21.30	228	7686	0.15	ng	#	89
33) Bis(2-ethylhexyl)phthalate	21.22	149	2983	0.20	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.84	276	6922	0.16	ng	#	80
36) Benzo(b)fluoranthene	22.89	252	7090	0.16	ng	#	91
37) Benzo(k)fluoranthene	22.93	252	6492	0.16	ng	#	89
38) Benzo(a)pyrene	23.46	252	6124	0.17	ng	#	86
39) Dibenzo(a,h)anthracene	25.86	278	5574	0.18	ng	#	91
40) Benzo(g,h,i)perylene	26.54	276	6388	0.17	ng	#	91

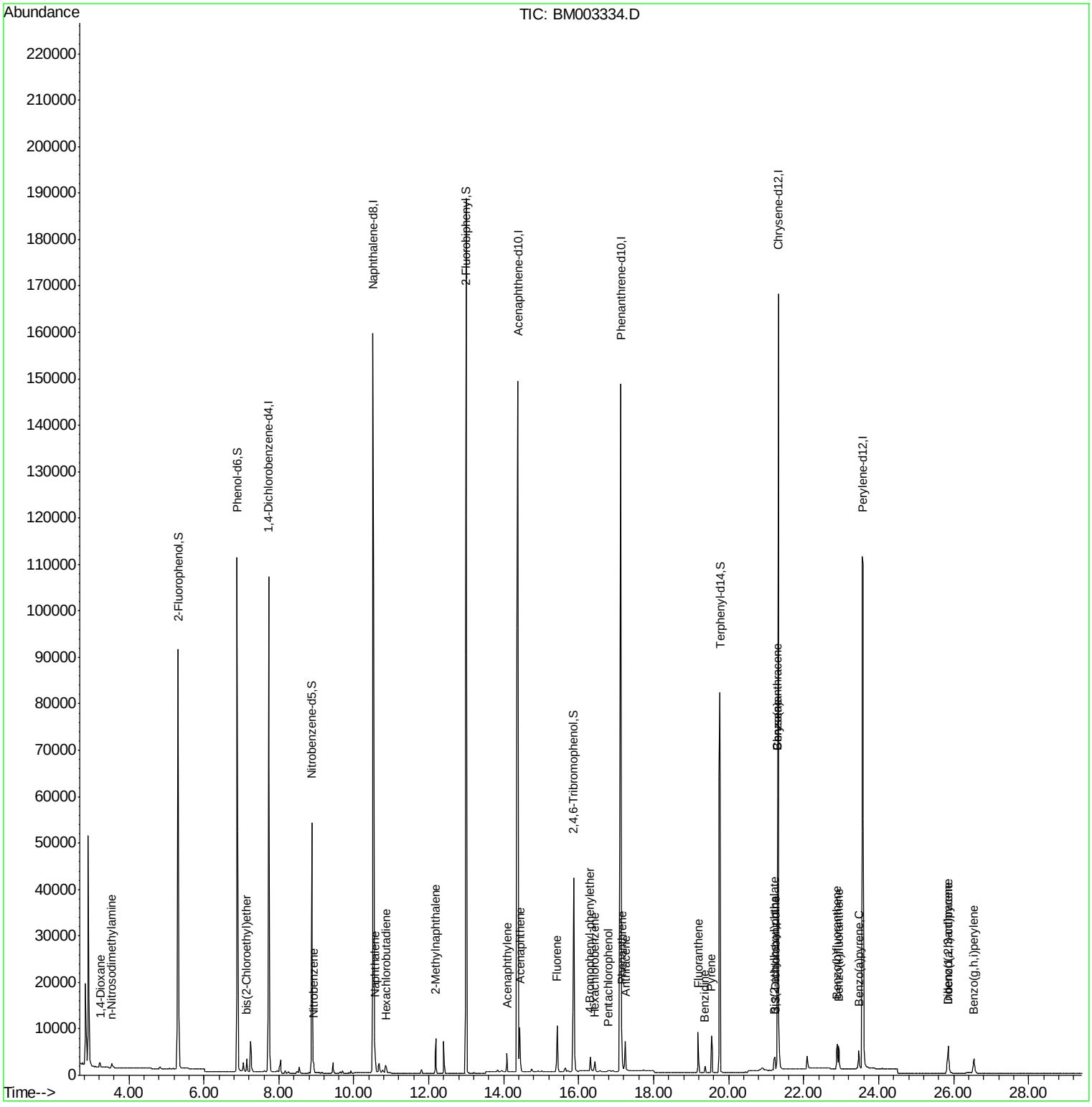
(#) = qualifier out of range (m) = manual integration (+) = signals summed

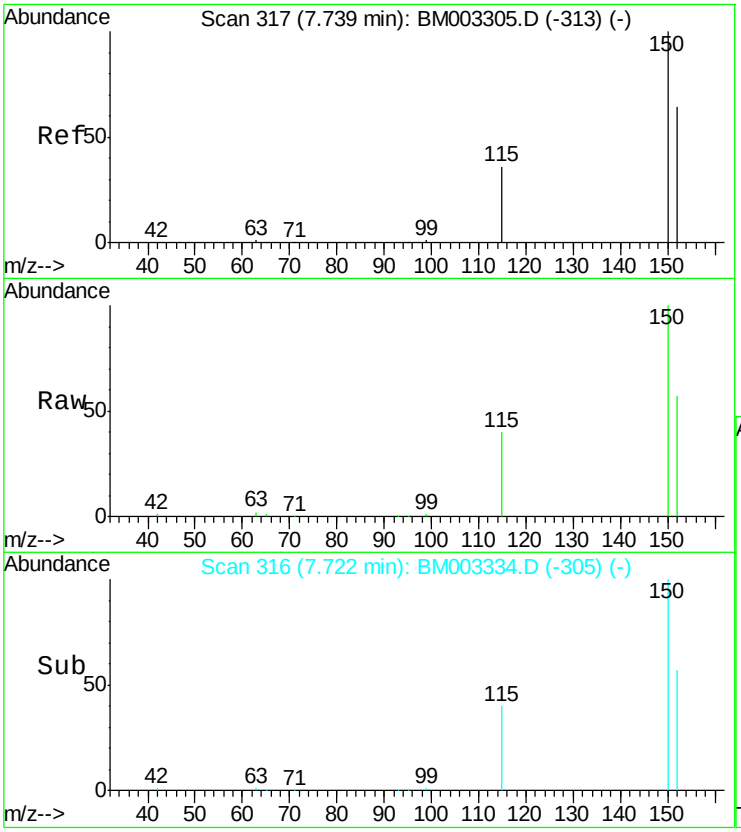
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
Data File : BM003334.D
Acq On : 01 Dec 2015 00:22
Operator : UM/IZ
Sample : G3707-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Quant Time: Dec 01 02:52:11 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 27 16:36:40 2015
Response via : Initial Calibration



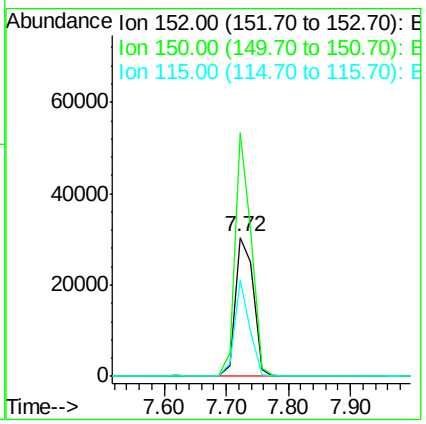


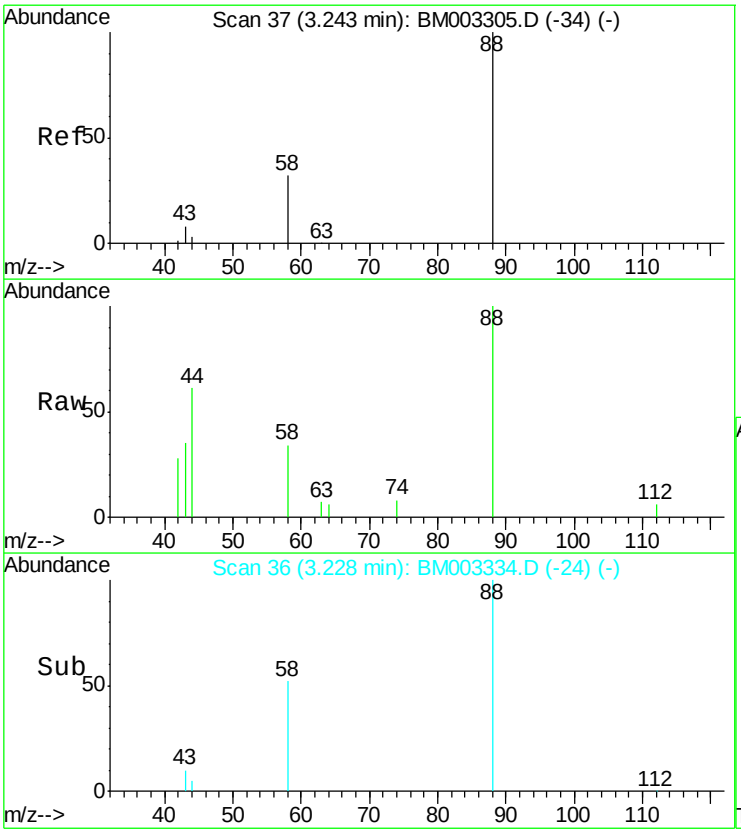
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 316
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:152 Resp: 60886

Ion	Ratio	Lower	Upper
152	100		
150	175.0	143.6	215.4
115	69.5	58.5	87.7

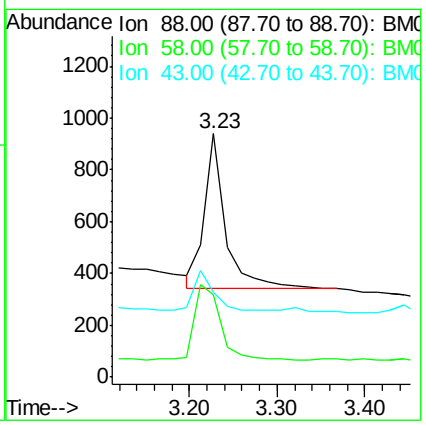


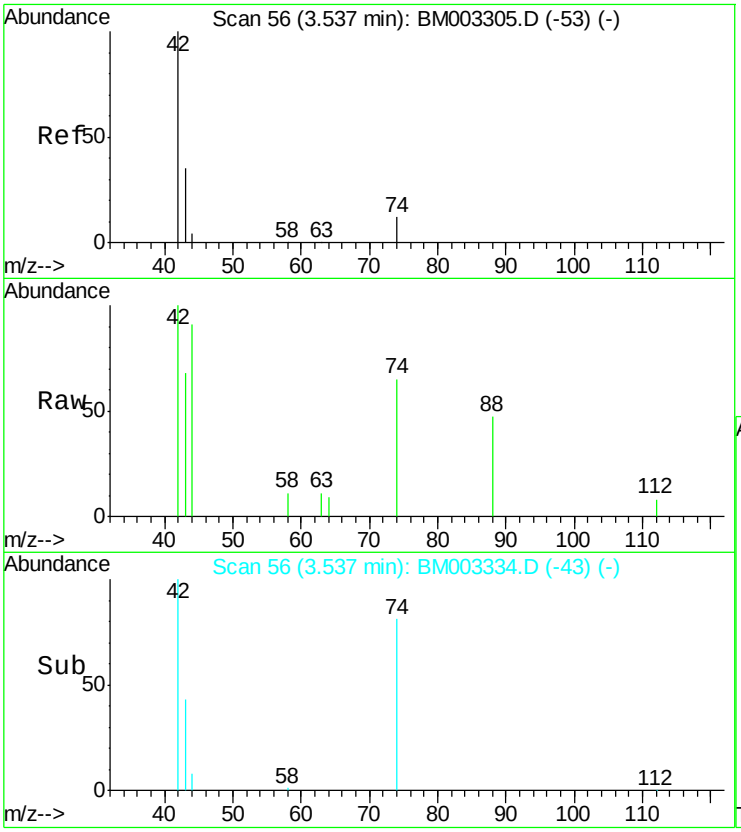


#2
1,4-Dioxane
Concen: 0.11 ng
RT: 3.23 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion: 88 Resp: 1005

Ion	Ratio	Lower	Upper
88	100		
58	57.5	55.2	82.8
43	25.2	21.8	32.6



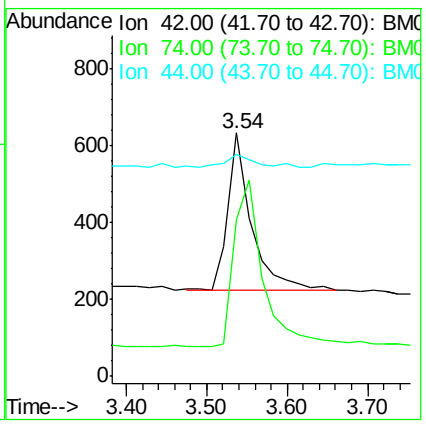


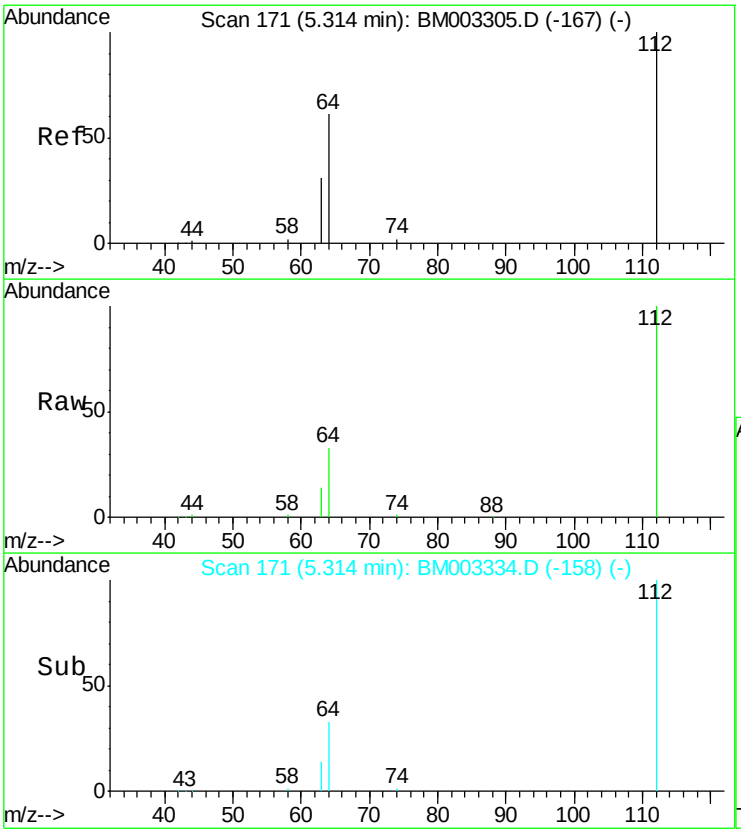
#3
n-Nitrosodimethylamine
Concen: 0.15 ng
RT: 3.54 min Scan# 56
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 42 Resp: 835

Ion	Ratio	Lower	Upper
42	100		
74	129.8	101.0	151.4
44	9.9	6.3	9.5#

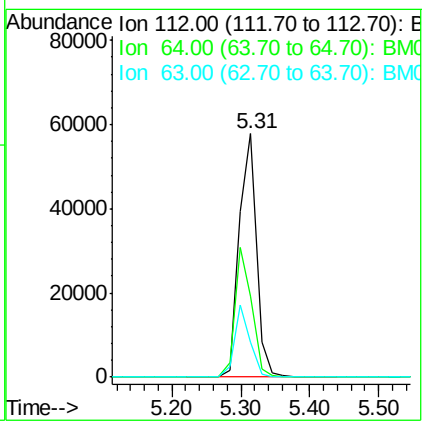


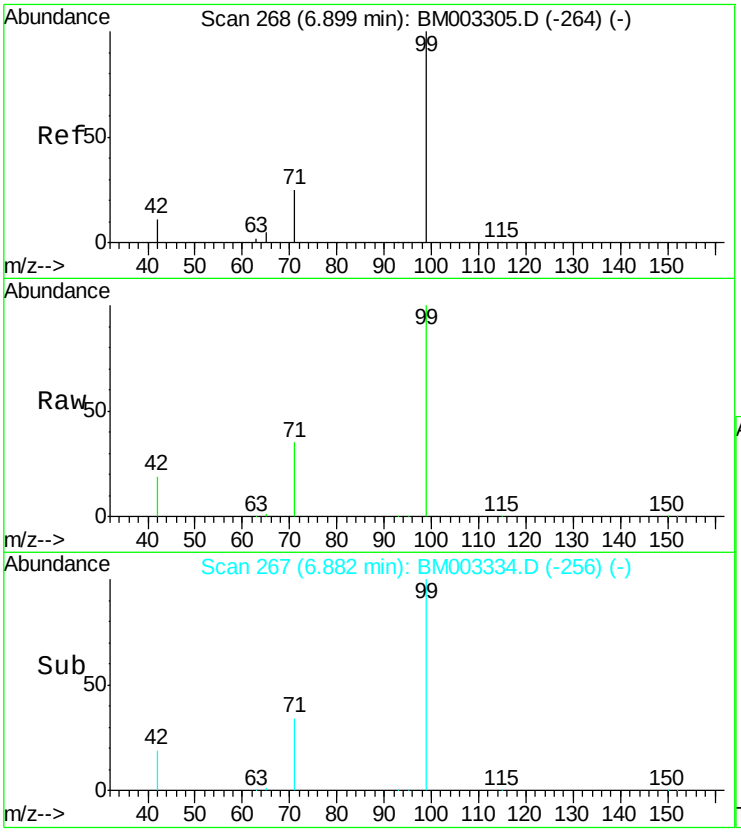


#4
2-Fluorophenol
Concen: 8.41 ng
RT: 5.31 min Scan# 171
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:112 Resp: 101047

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.2	61.8
63	26.7	21.2	31.8



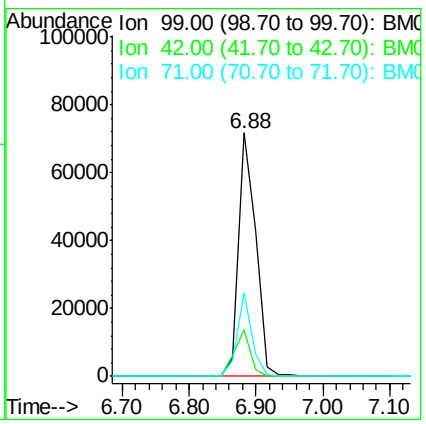


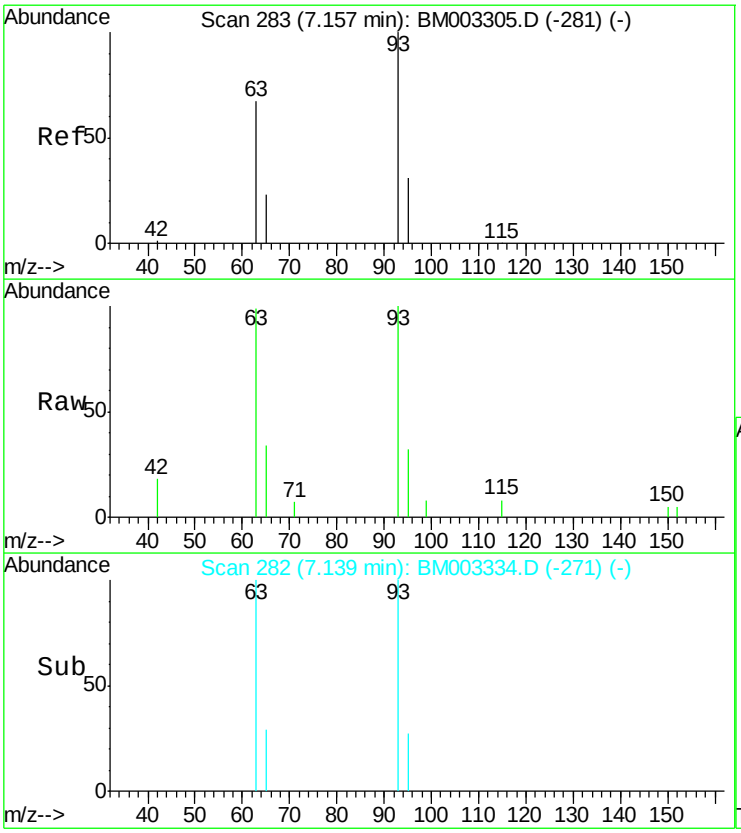
#5
Phenol-d6
Concen: 9.27 ng
RT: 6.88 min Scan# 267
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 99 Resp: 127652

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	22.0
71	29.4	23.3	34.9

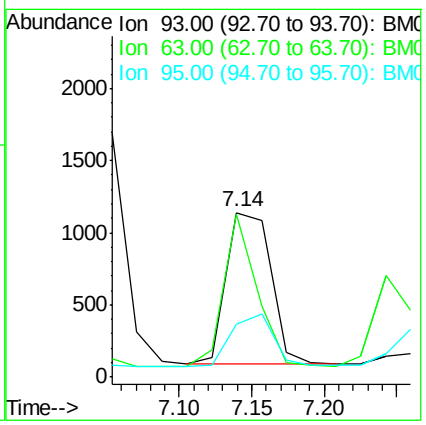


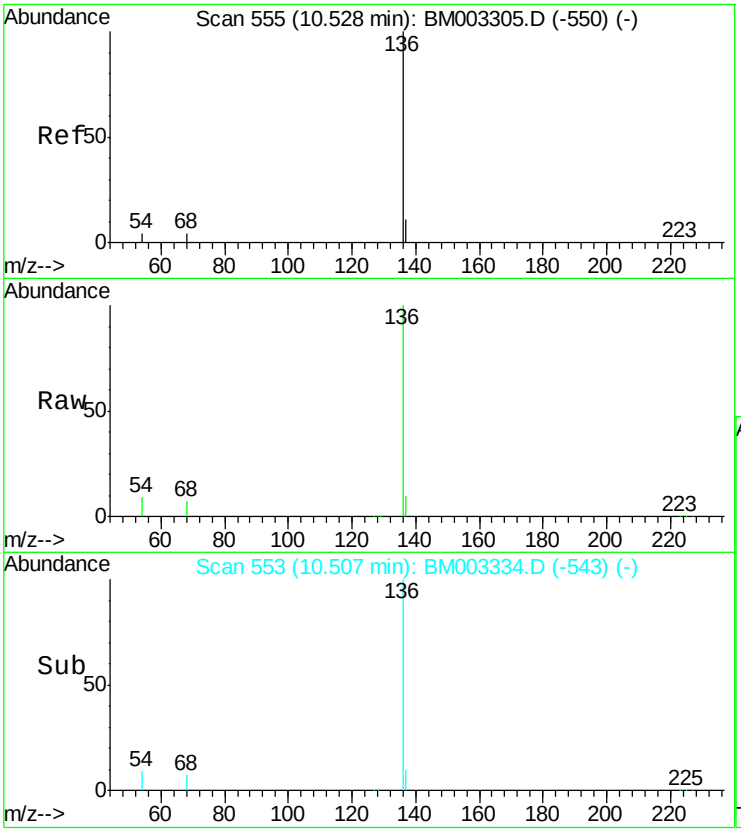


#6
bis(2-Chloroethyl)ether
Concen: 0.16 ng
RT: 7.14 min Scan# 282
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion: 93 Resp: 2242

Ion	Ratio	Lower	Upper
93	100		
63	75.3	58.2	87.4
95	32.7	26.2	39.4



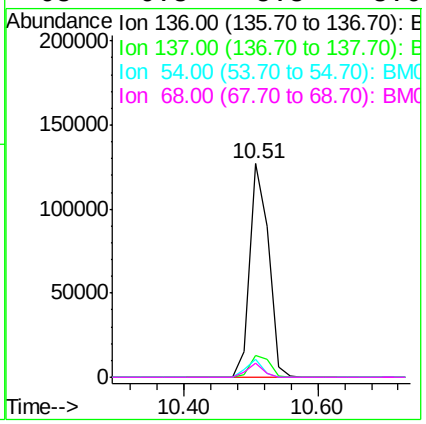


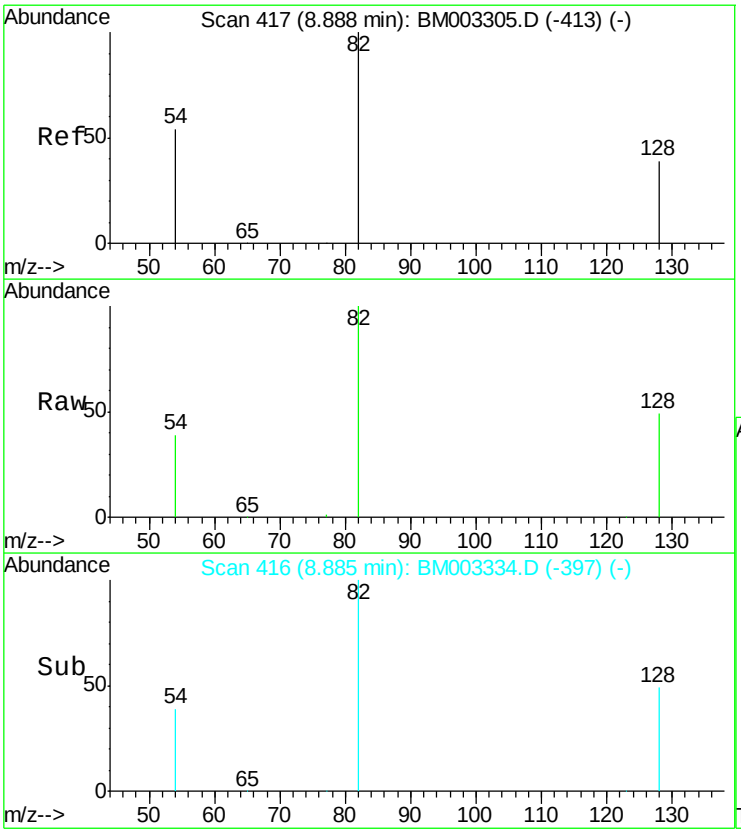
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.51 min Scan# 553
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:136 Resp: 246128

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.0	12.0
54	8.6	7.4	11.0
68	6.8	5.8	8.6

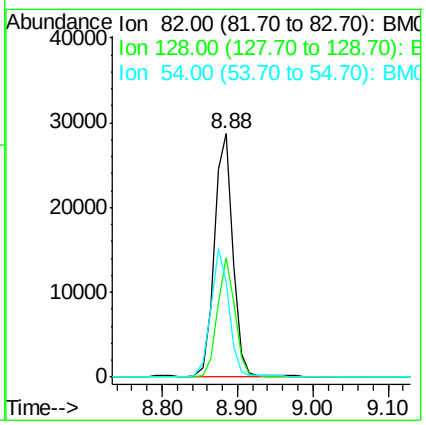


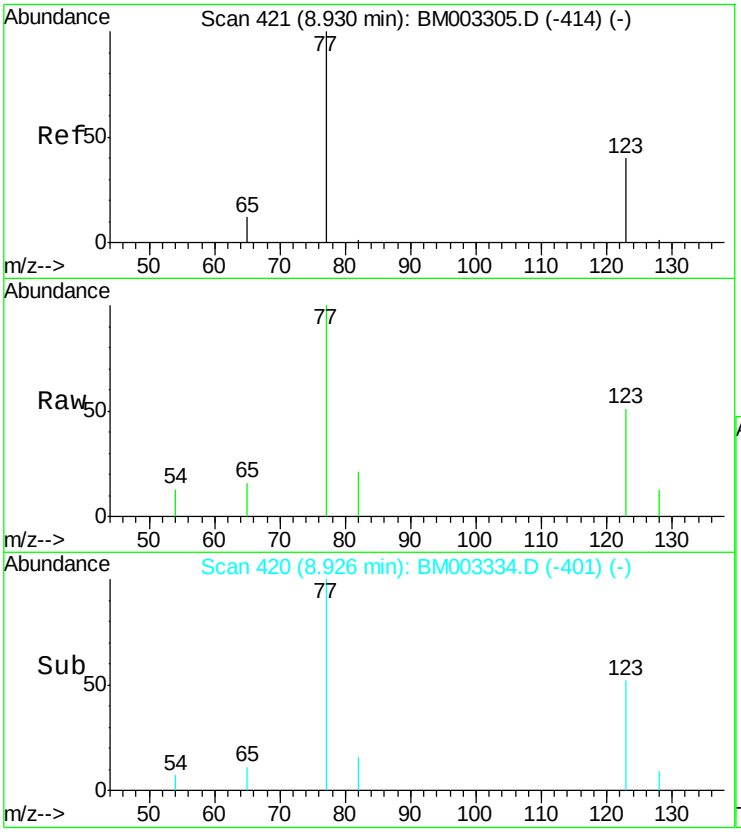


#8
Nitrobenzene-d5
Concen: 4.51 ng
RT: 8.88 min Scan# 416
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion: 82 Resp: 49381

Ion	Ratio	Lower	Upper
82	100		
128	48.8	35.2	52.8
54	39.3	36.4	54.6



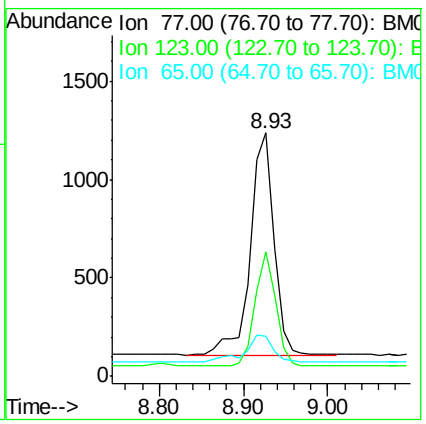


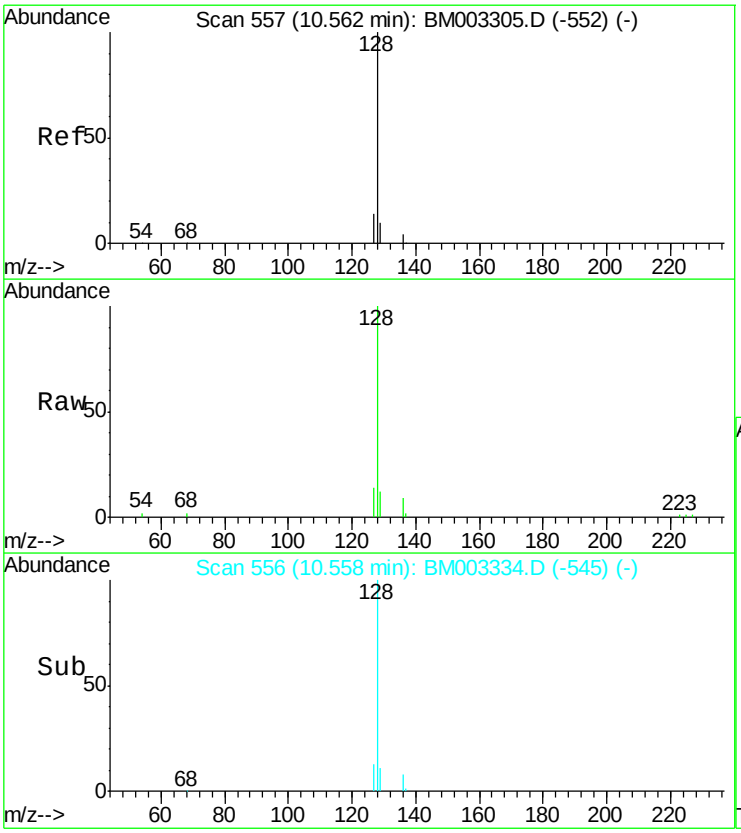
#9
Nitrobenzene
Concen: 0.18 ng
RT: 8.93 min Scan# 420
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 77 Resp: 2192

Ion	Ratio	Lower	Upper
77	100		
123	44.8	37.7	56.5
65	14.2	9.8	14.6

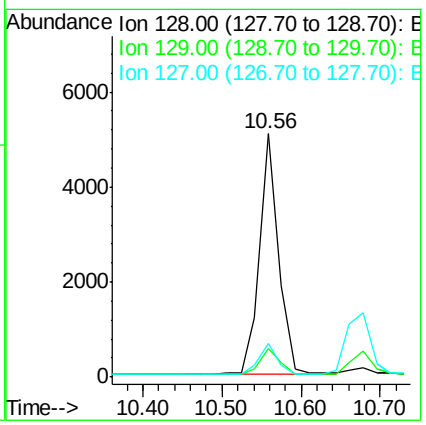


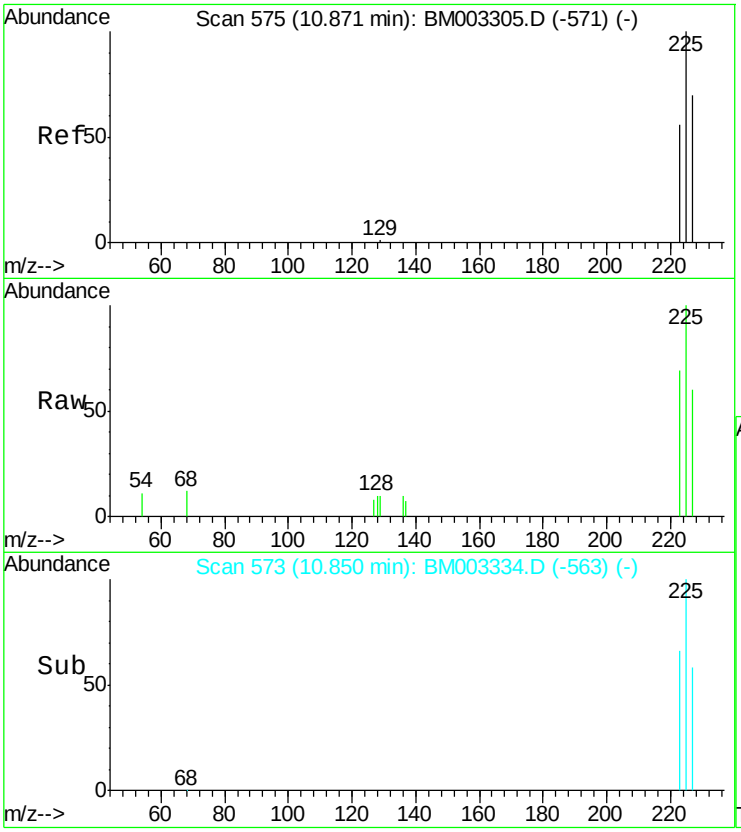


#10
Naphthalene
Concen: 0.16 ng
RT: 10.56 min Scan# 556
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:128 Resp: 8512

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.5	12.7
127	13.8	10.6	16.0



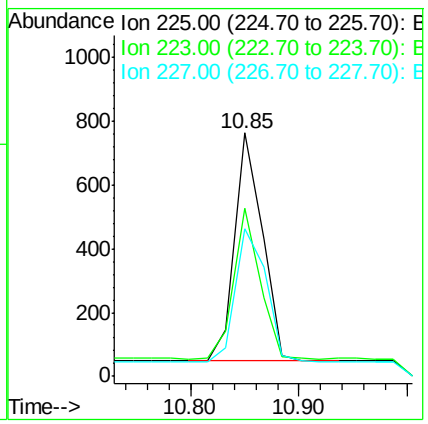


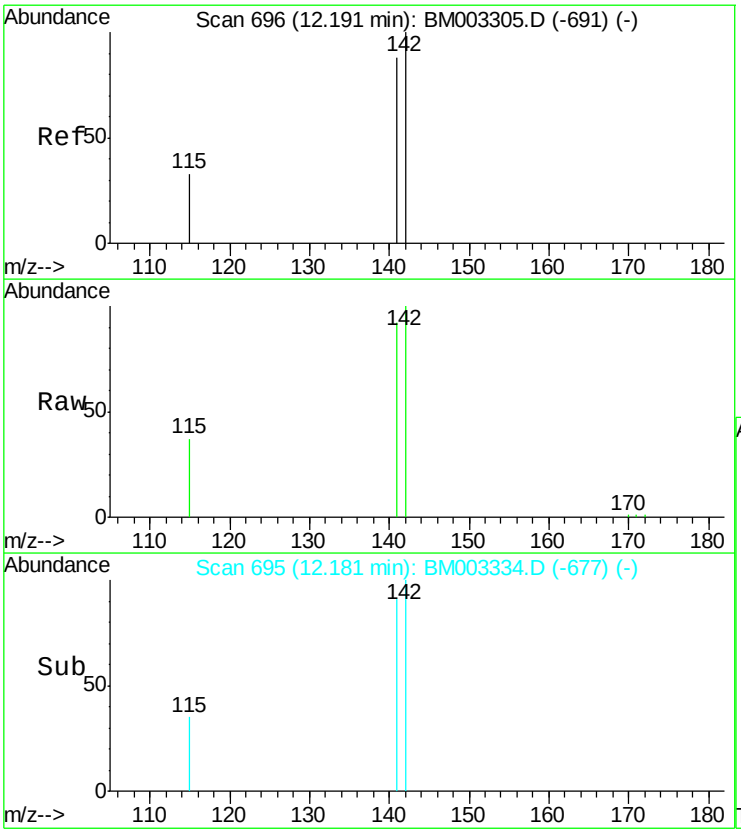
#11
Hexachlorobutadiene
Concen: 0.15 ng
RT: 10.85 min Scan# 573
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:225 Resp: 1252

Ion	Ratio	Lower	Upper
225	100		
223	62.5	53.0	79.4
227	63.3	52.2	78.4

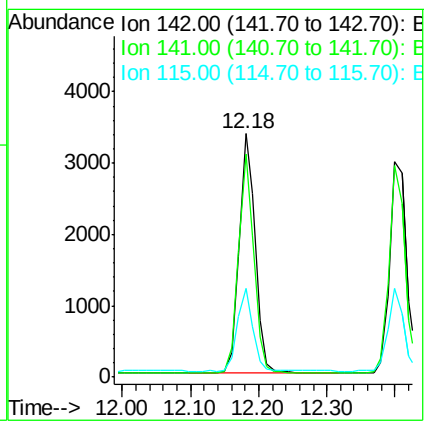


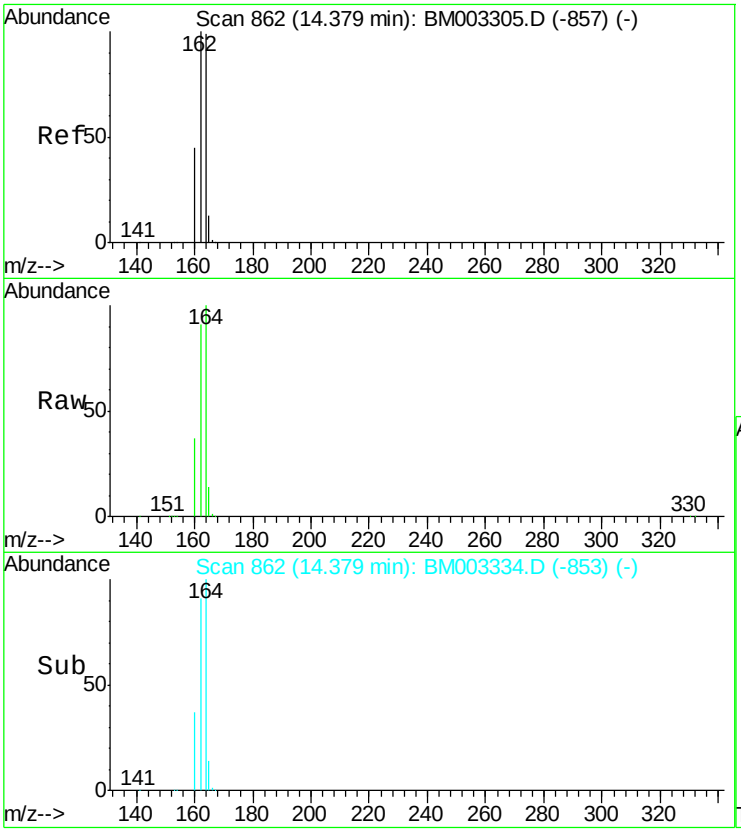


#12
2-Methylnaphthalene
Concen: 0.16 ng
RT: 12.18 min Scan# 695
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:142 Resp: 5502

Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.2	108.2
115	36.6	28.0	42.0



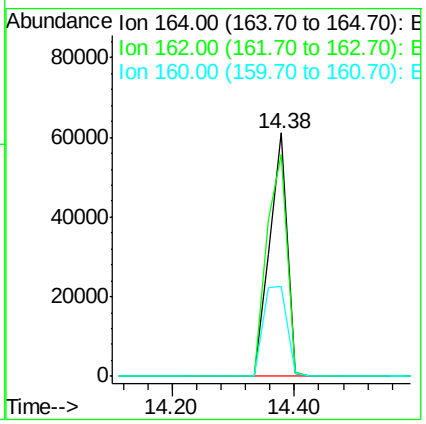


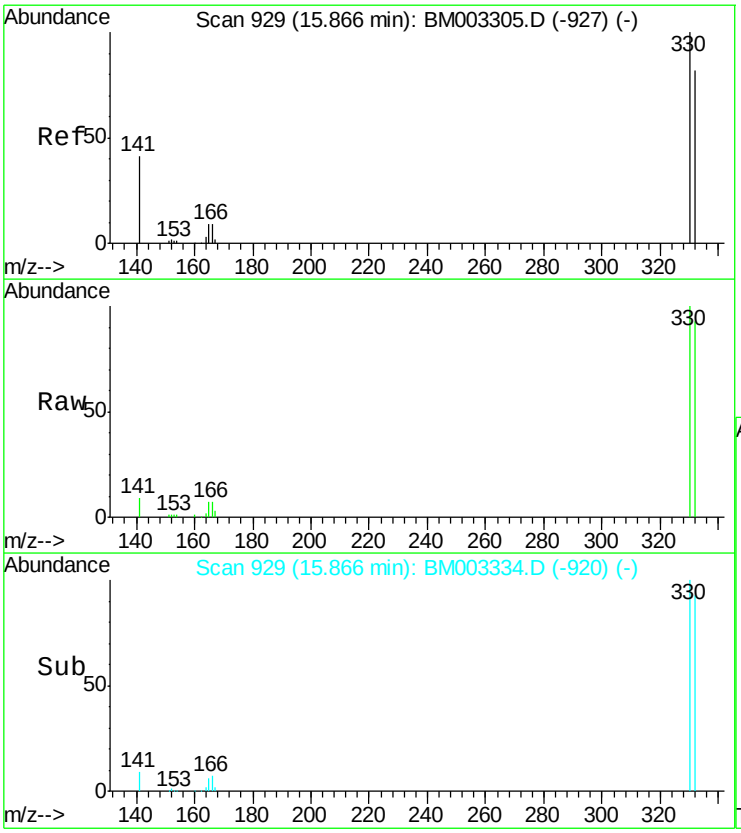
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:164 Resp: 123373

Ion	Ratio	Lower	Upper
164	100		
162	91.3	78.3	117.5
160	37.1	33.8	50.6

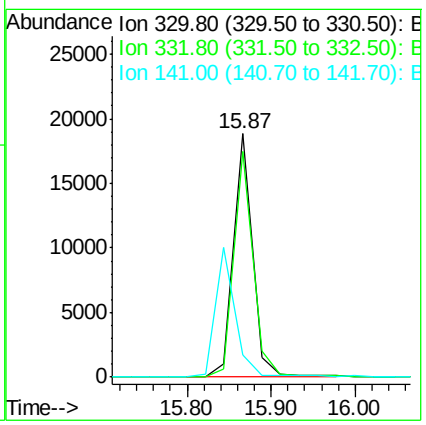


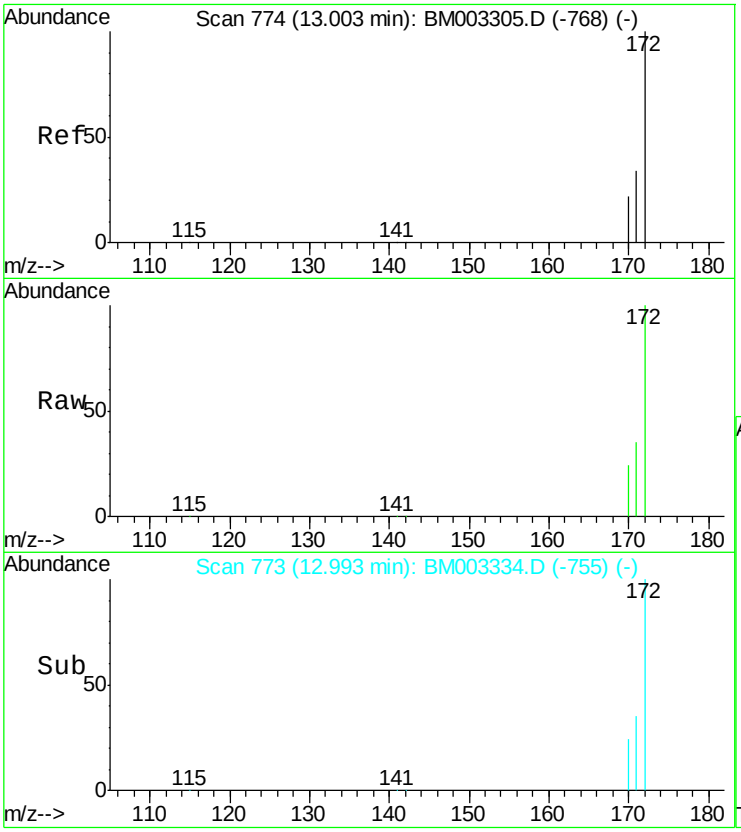


#14
2,4,6-Tribromophenol
Concen: 9.99 ng
RT: 15.87 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:330 Resp: 28792

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.0	114.0
141	0.0	0.0	0.0



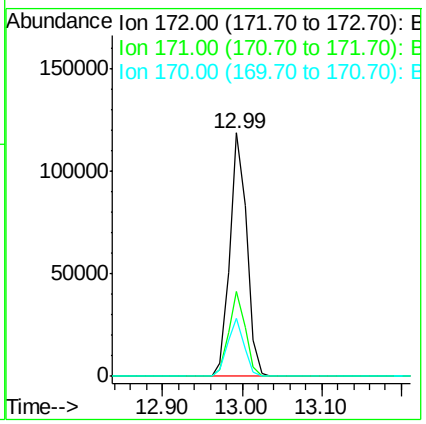


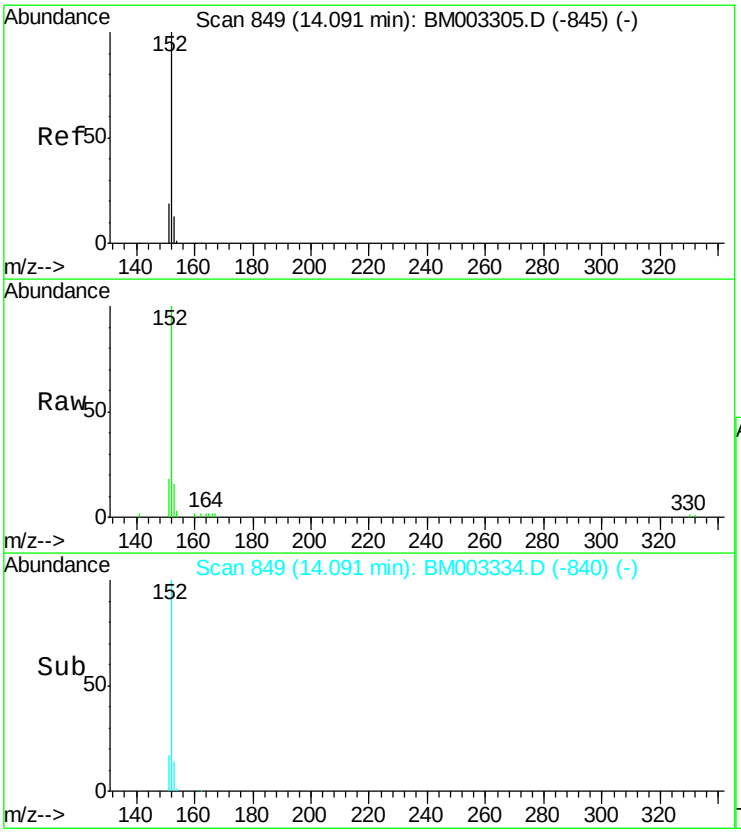
#15
2-Fluorobiphenyl
Concen: 4.38 ng
RT: 12.99 min Scan# 773
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:172 Resp: 174517

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.0	42.0
170	23.7	18.9	28.3

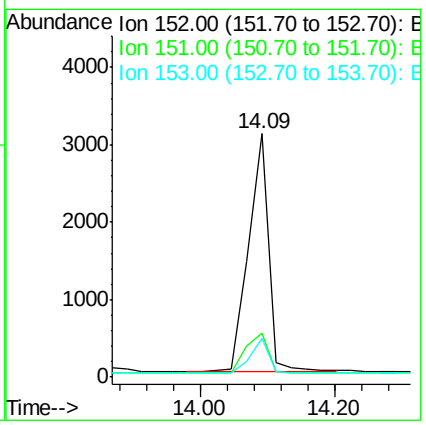


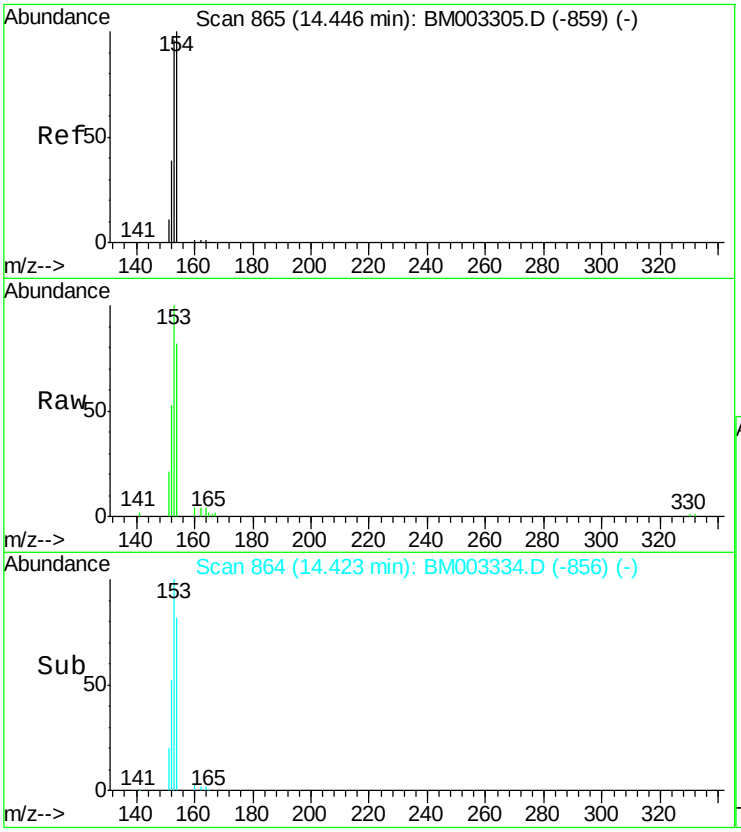


#16
Acenaphthylene
Concen: 0.14 ng
RT: 14.09 min Scan# 849
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:152 Resp: 6382

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.2	22.8
153	13.2	10.4	15.6



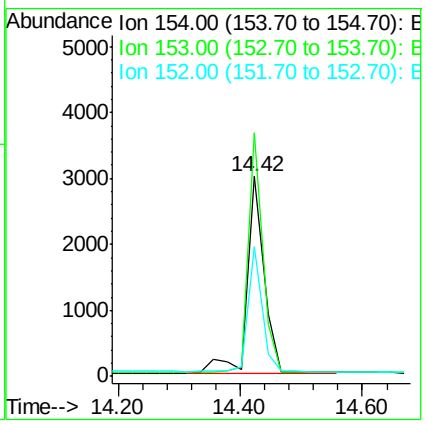


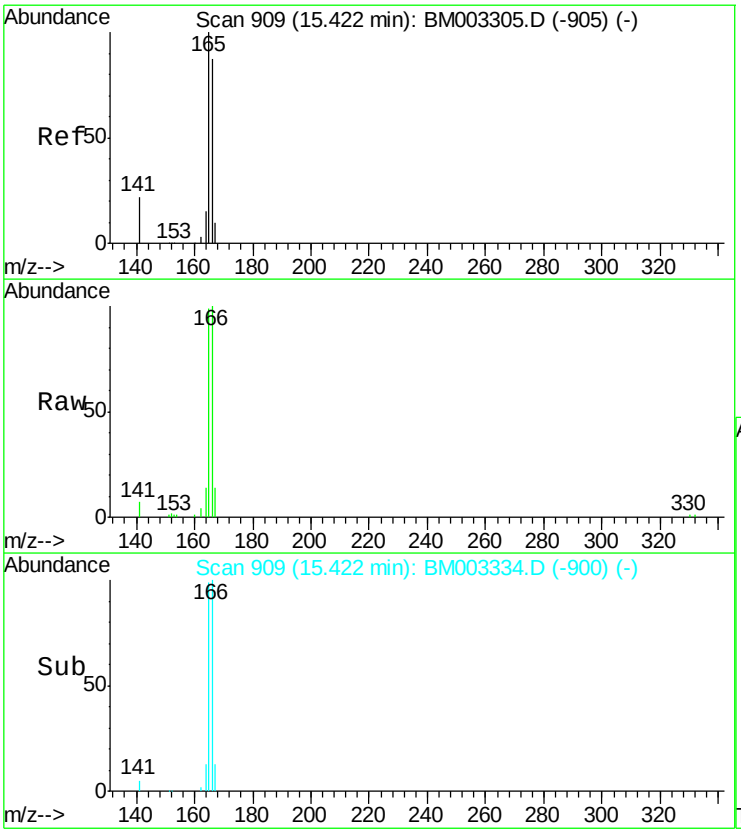
#17
Acenaphthene
Concen: 0.16 ng
RT: 14.42 min Scan# 864
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:154 Resp: 5741

Ion	Ratio	Lower	Upper
154	100		
153	104.1	0.0	0.0#
152	52.7	0.0	0.0#

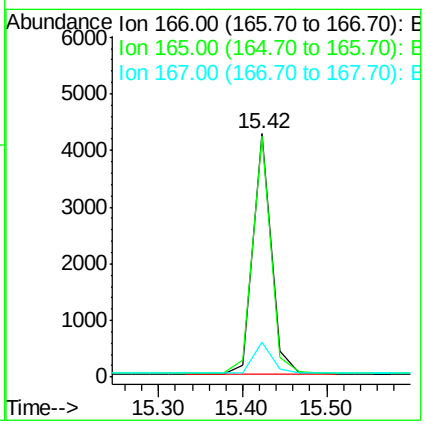


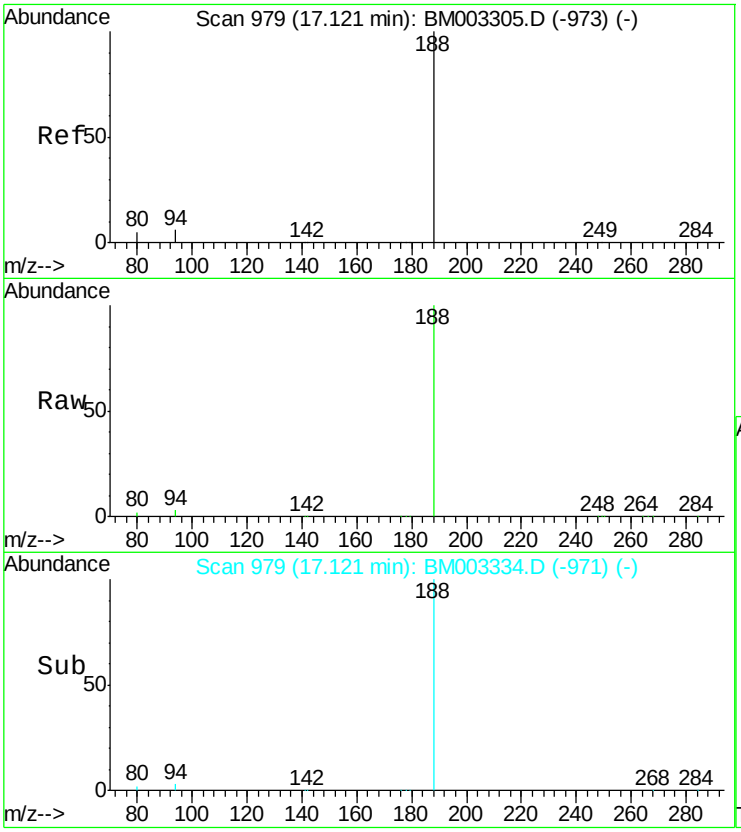


#18
Fluorene
Concen: 0.18 ng
RT: 15.42 min Scan# 909
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:166 Resp: 6461

Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.8	121.2
167	13.3	10.5	15.7



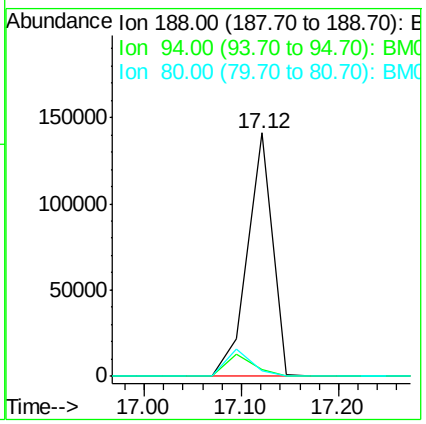


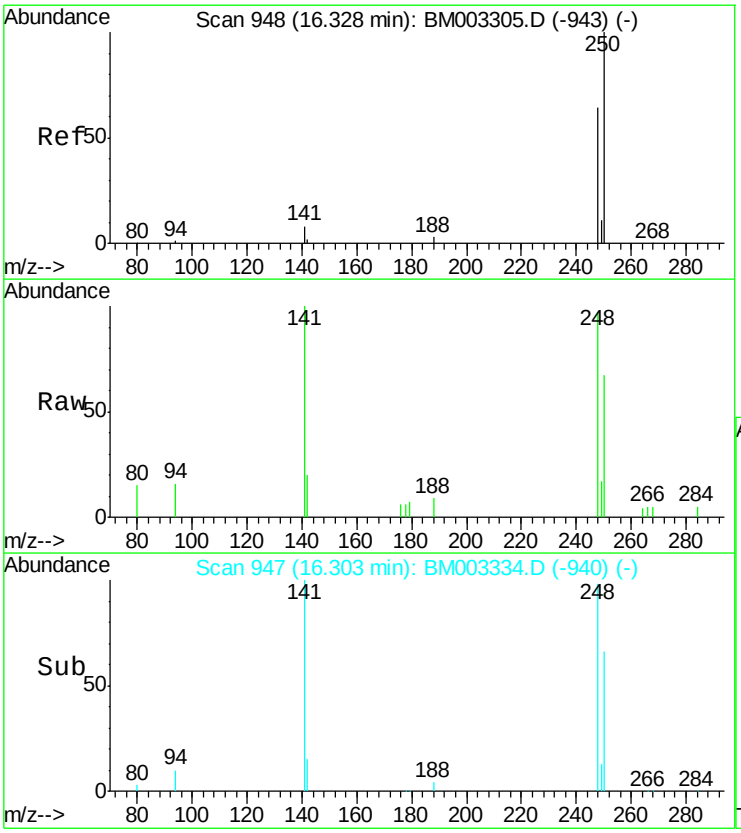
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 979
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:188 Resp: 252551

Ion	Ratio	Lower	Upper
188	100		
94	2.7	1.8	2.6#
80	2.1	1.4	2.0#

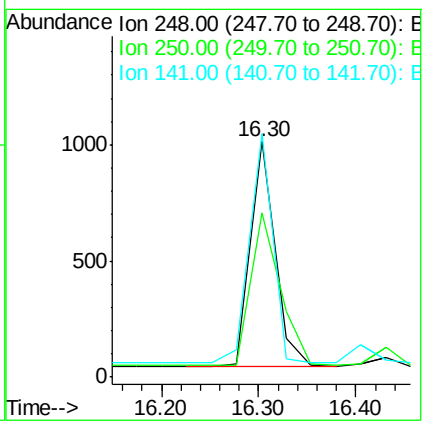


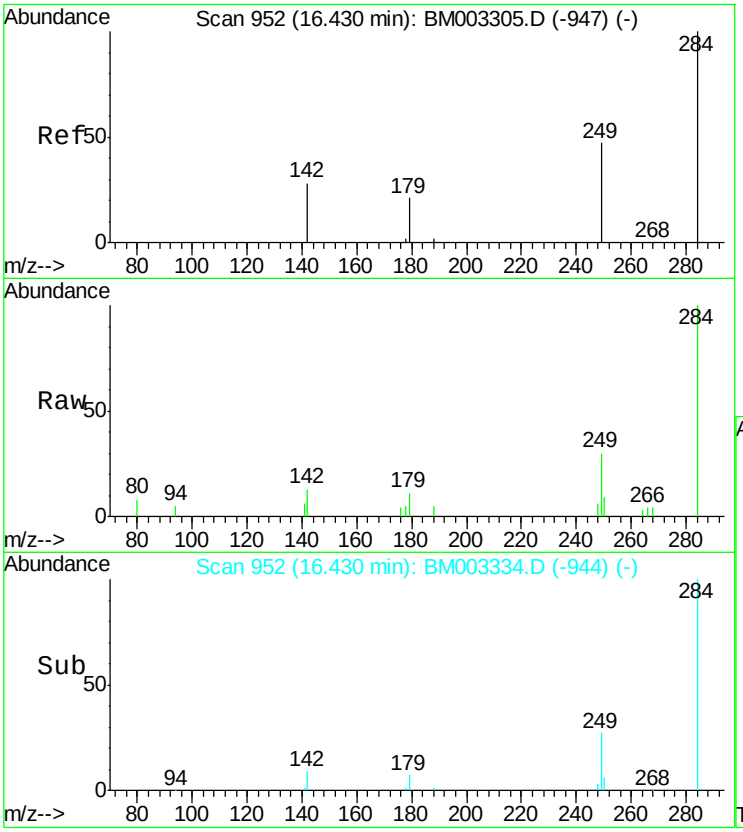


#20
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 16.30 min Scan# 947
Delta R.T. -0.03 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:248 Resp: 1696

Ion	Ratio	Lower	Upper
248	100		
250	81.2	65.4	98.0
141	95.9	72.8	109.2



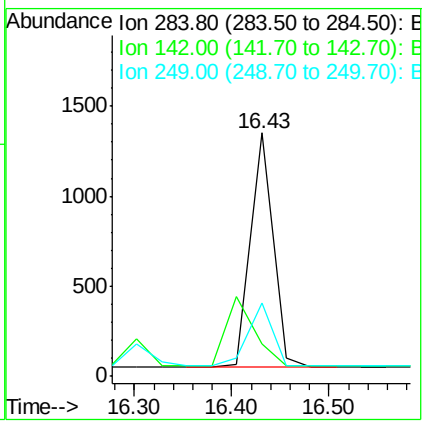


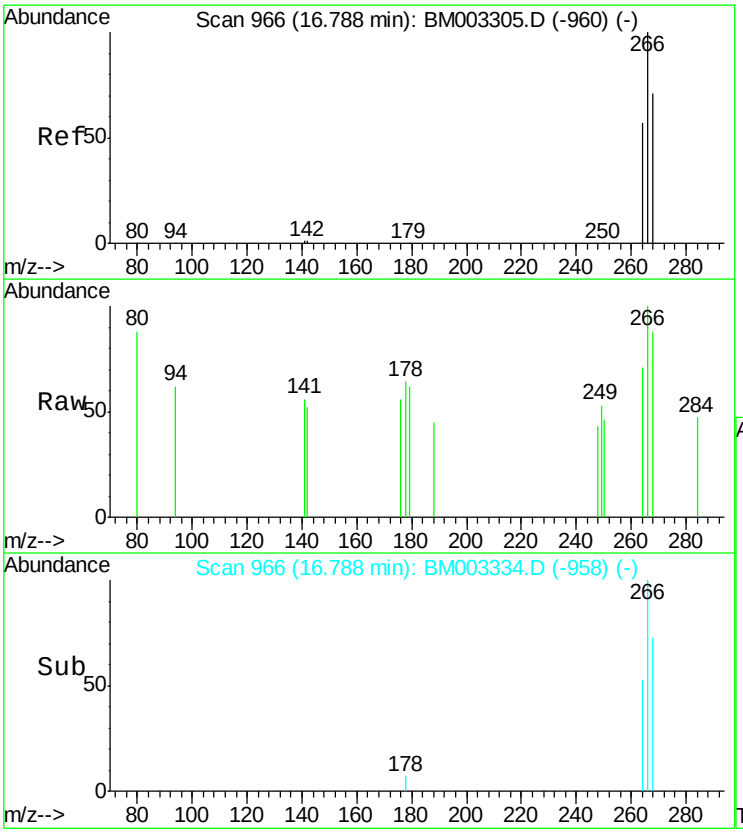
#21
Hexachlorobenzene
Concen: 0.24 ng
RT: 16.43 min Scan# 952
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:284 Resp: 2096

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	29.6	19.4	29.2#

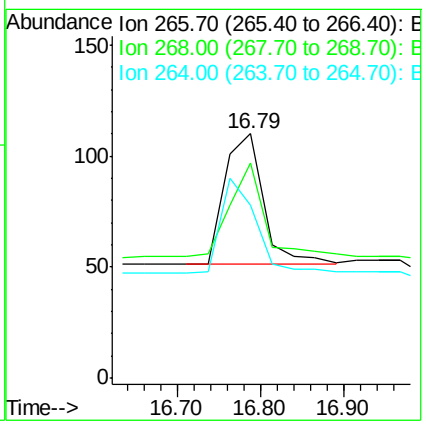


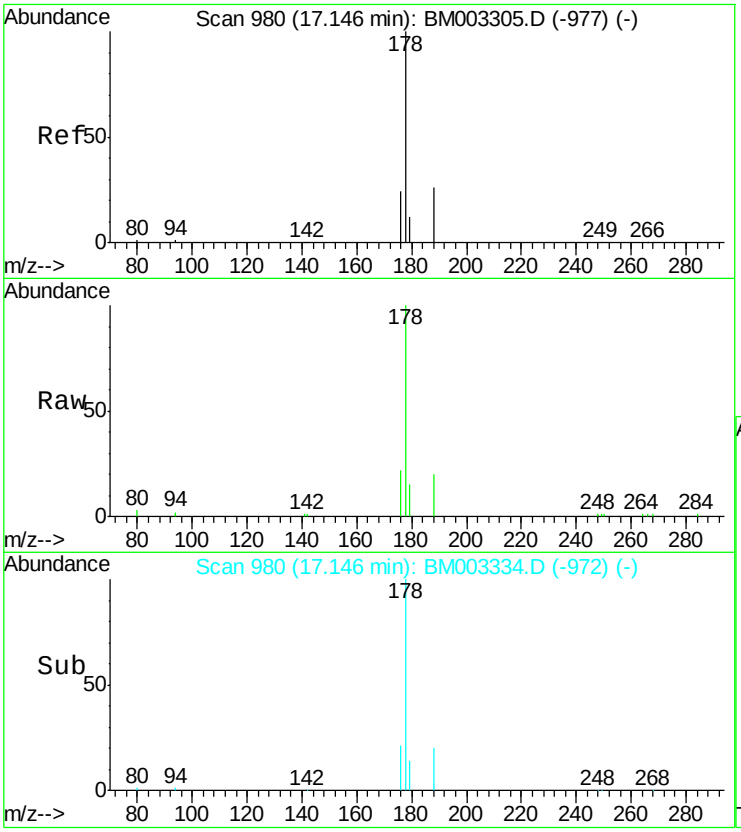


#22
Pentachlorophenol
Concen: 0.16 ng
RT: 16.79 min Scan# 966
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:266 Resp: 193

Ion	Ratio	Lower	Upper
266	100		
268	88.2	45.8	68.8#
264	70.9	56.7	85.1



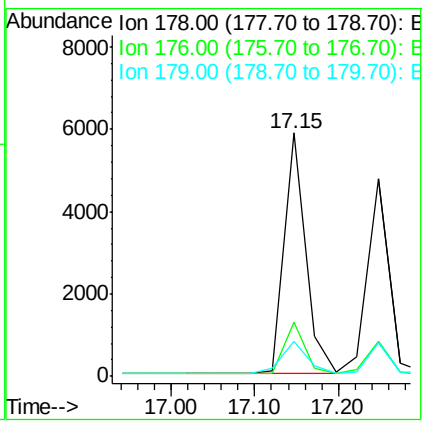


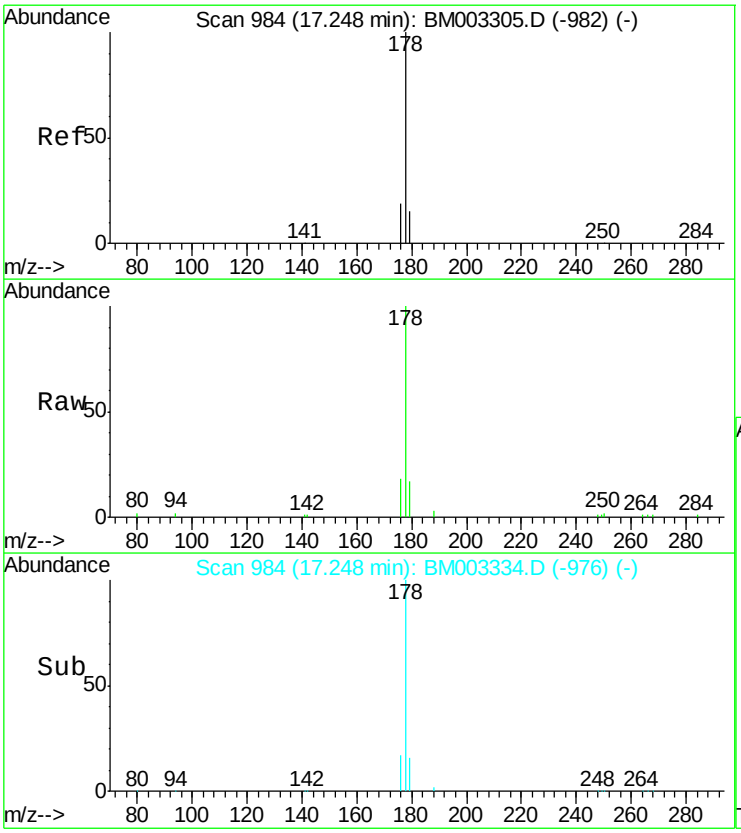
#23
Phenanthrene
Concen: 0.28 ng
RT: 17.15 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:178 Resp: 10534

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	16.2	11.7	17.5

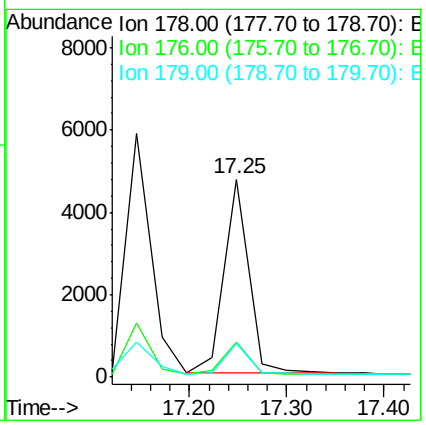


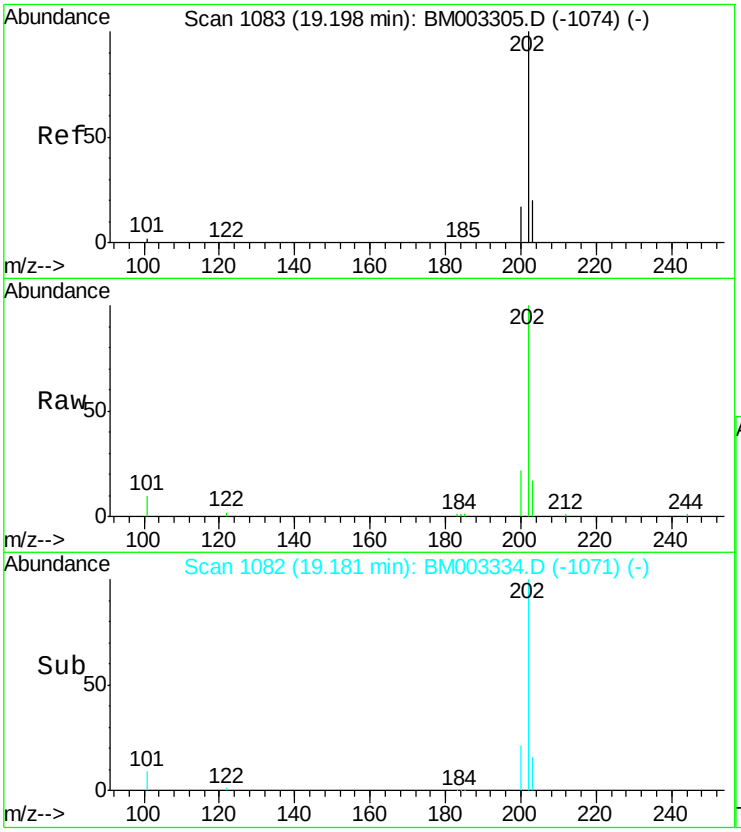


#24
Anthracene
Concen: 0.18 ng
RT: 17.25 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:178 Resp: 8339

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.1	21.1
179	15.9	12.8	19.2



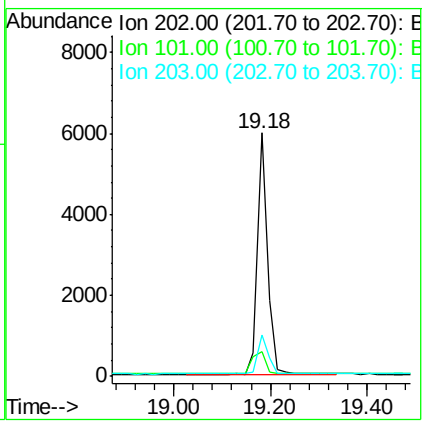


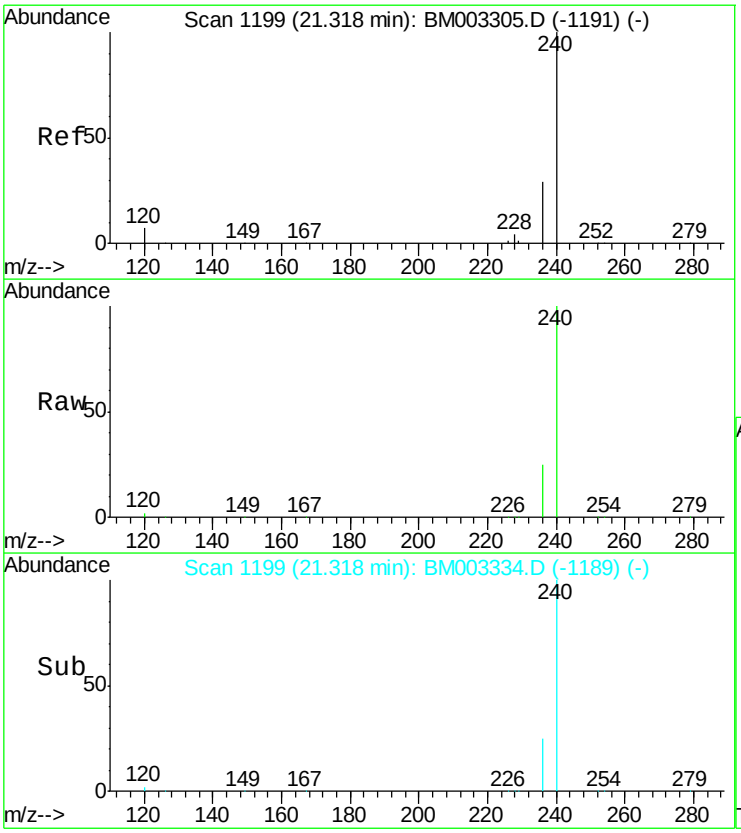
#25
Fluoranthene
Concen: 0.16 ng
RT: 19.18 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:202 Resp: 8851

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.9	14.9
203	17.6	13.9	20.9

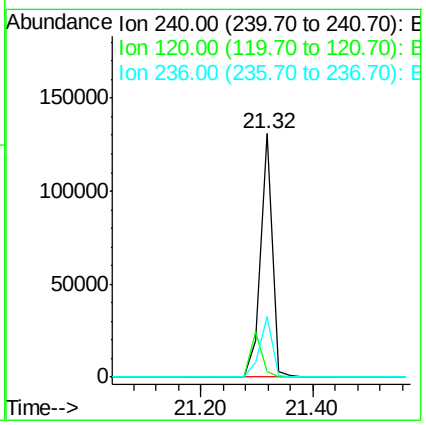


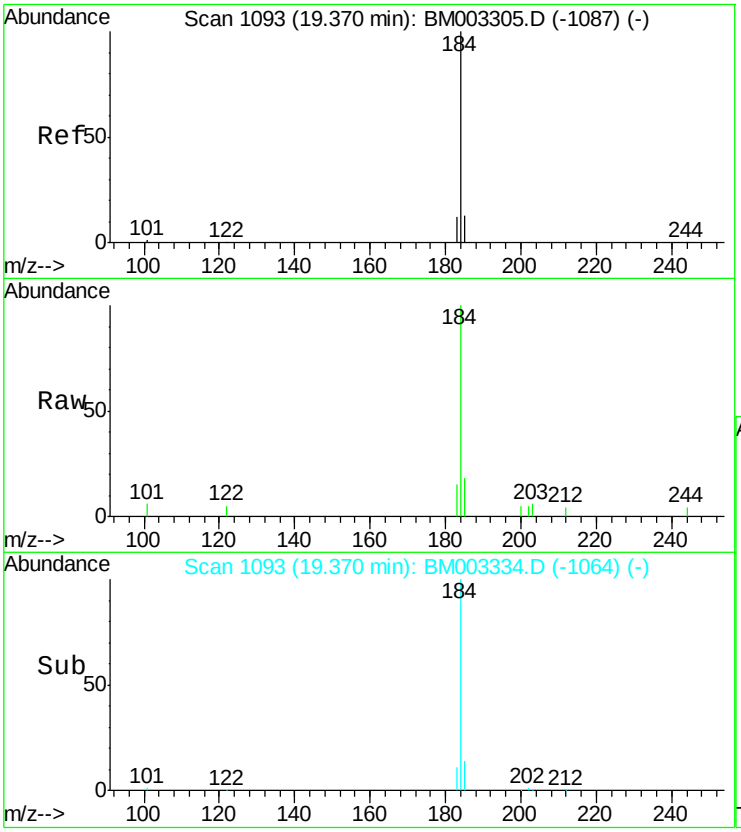


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.32 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:240 Resp: 190408

Ion	Ratio	Lower	Upper
240	100		
120	2.1	1.0	1.4#
236	25.0	17.9	26.9



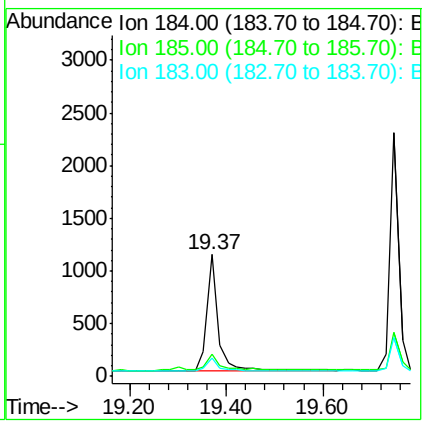


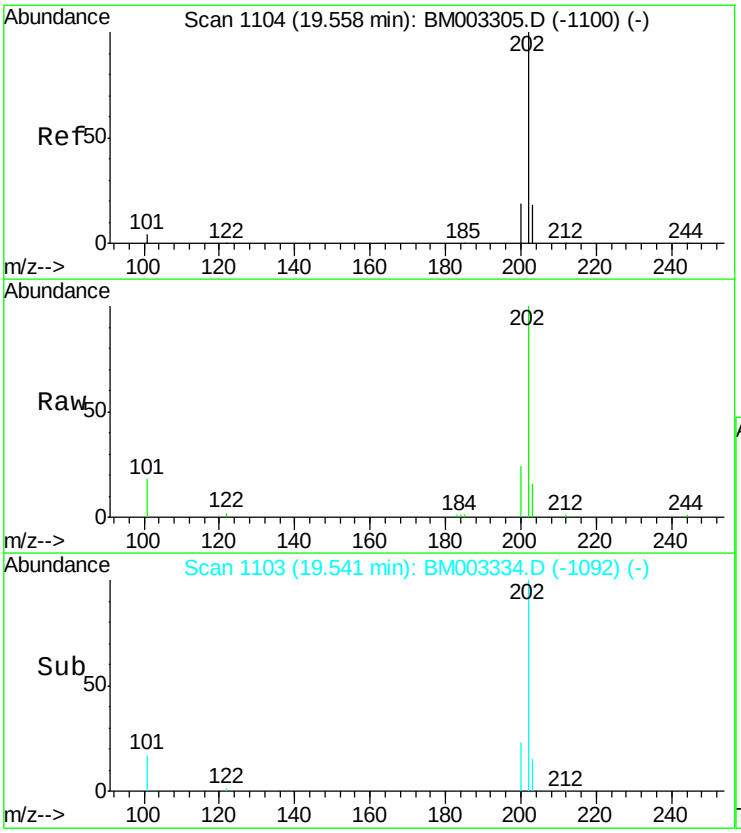
#27
Benzidine
Concen: 0.35 ng
RT: 19.37 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:184 Resp: 1865

Ion	Ratio	Lower	Upper
184	100		
185	18.3	11.6	17.4#
183	14.9	8.6	13.0#

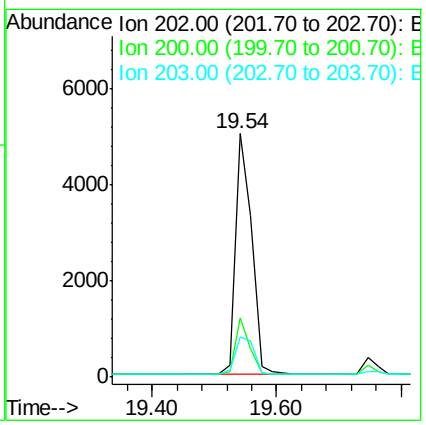


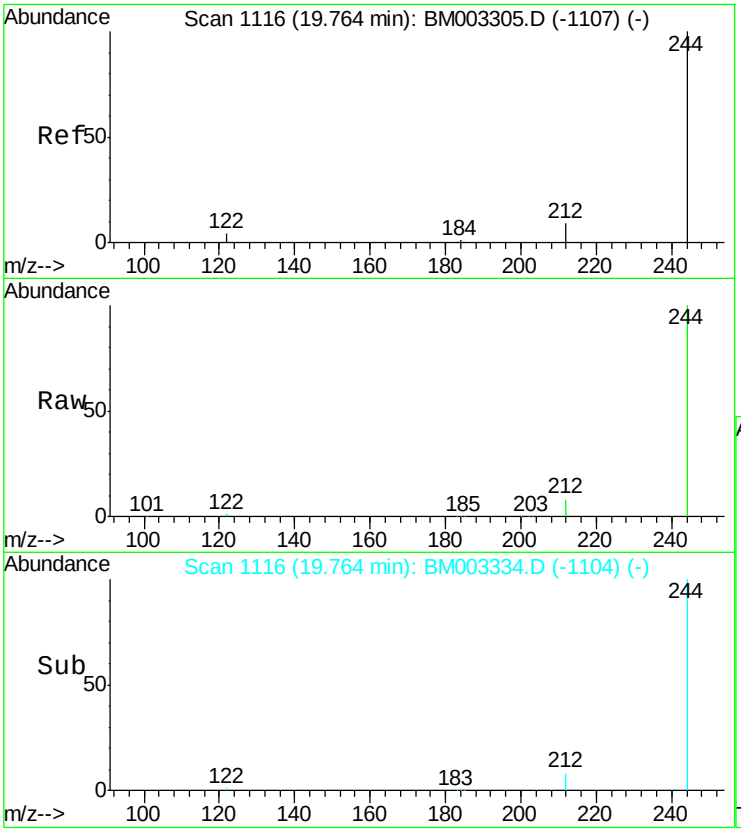


#28
Pyrene
Concen: 0.16 ng
RT: 19.54 min Scan# 1103
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:202 Resp: 9094

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.3	13.8	20.6



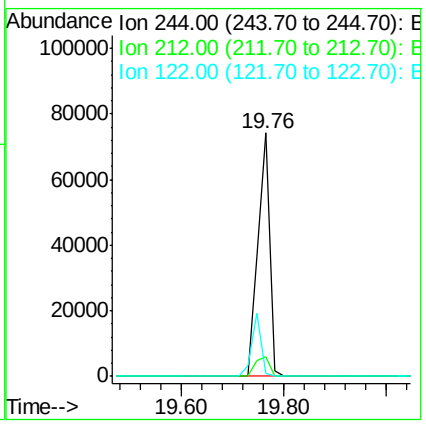


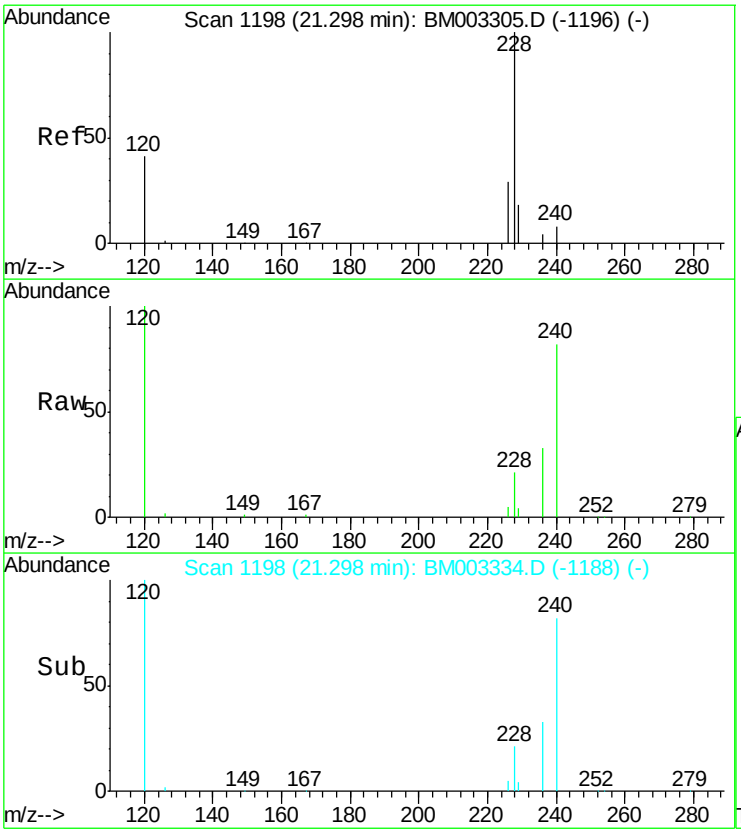
#29
Terphenyl-d14
Concen: 4.39 ng
RT: 19.76 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:244 Resp: 116376

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	1.4	2.0	3.0#

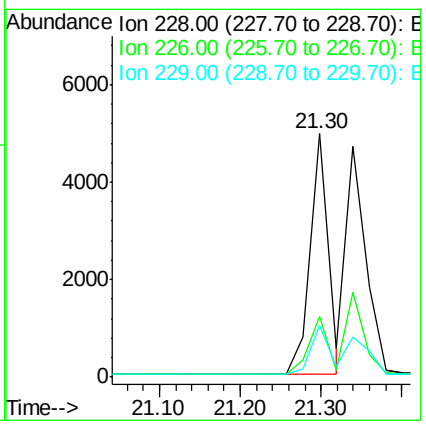


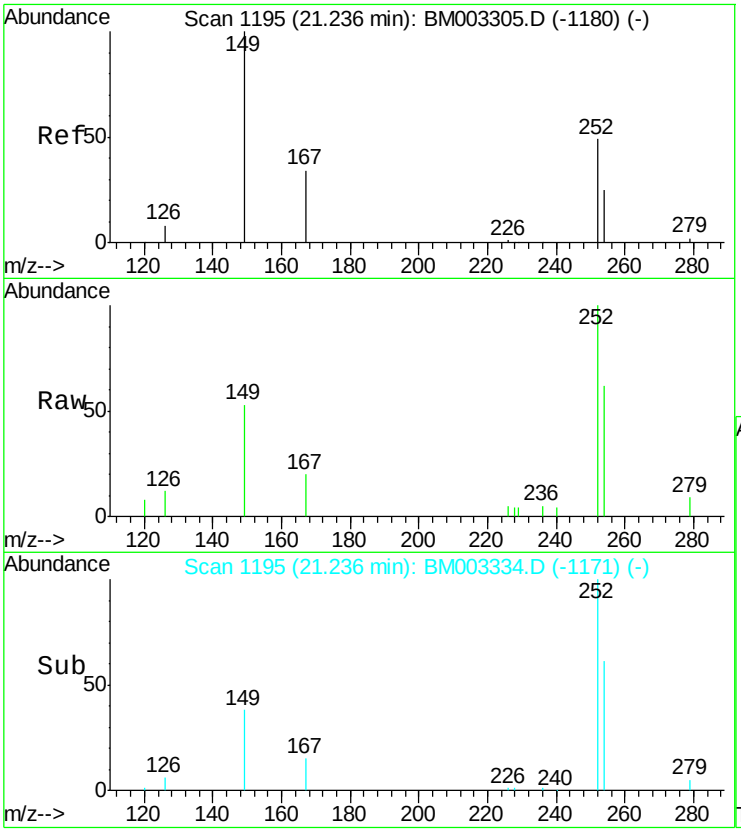


#30
Benzo(a)anthracene
Concen: 0.16 ng
RT: 21.30 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:228 Resp: 7698

Ion	Ratio	Lower	Upper
228	100		
226	24.8	17.8	26.6
229	21.4	18.0	27.0



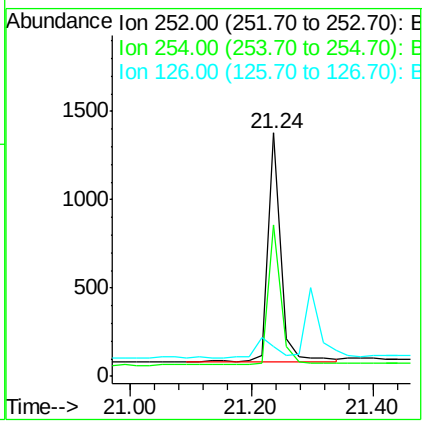


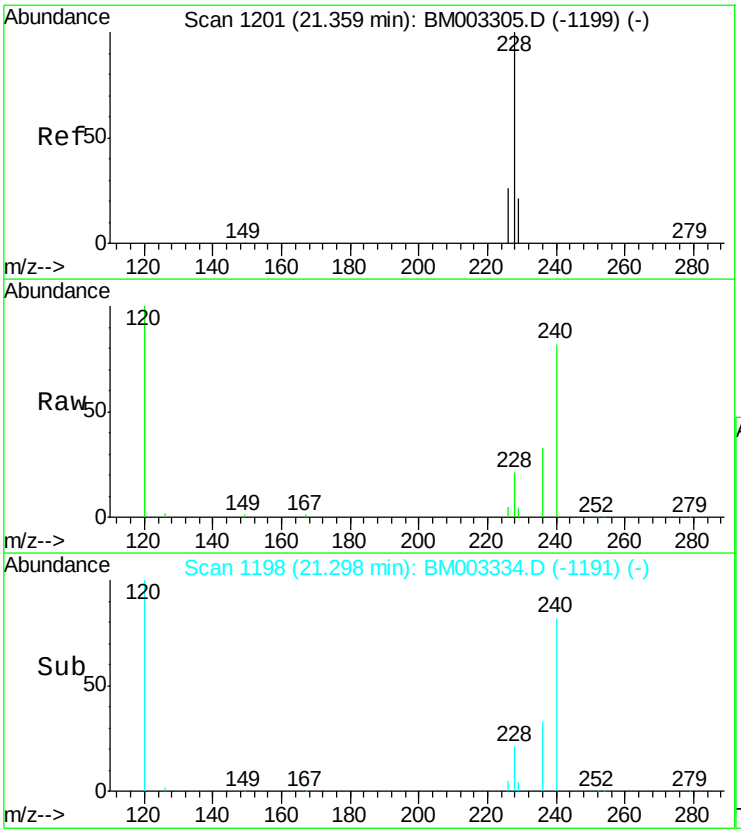
#31
3,3'-Dichlorobenzidine
Concen: 0.35 ng
RT: 21.24 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:252 Resp: 1904

Ion	Ratio	Lower	Upper
252	100		
254	62.3	53.7	80.5
126	12.4	2.8	4.2#

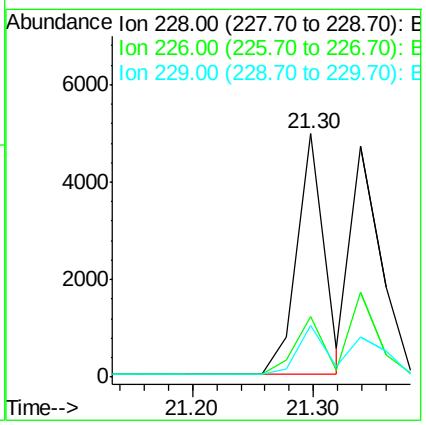


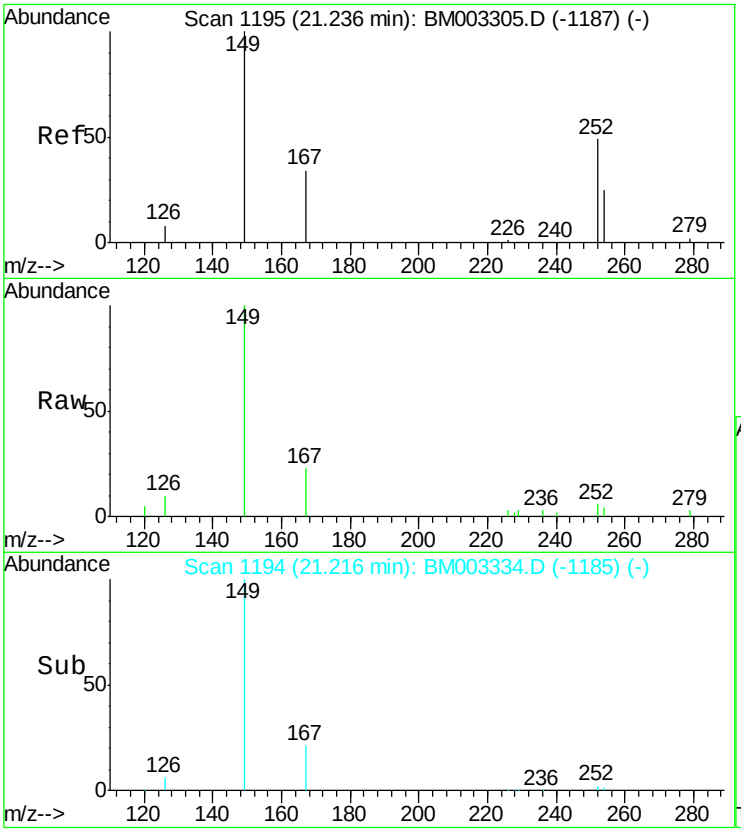


#32
Chrysene
Concen: 0.15 ng
RT: 21.30 min Scan# 1198
Delta R.T. -0.06 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:228 Resp: 7686

Ion	Ratio	Lower	Upper
228	100		
226	24.8	25.5	38.3#
229	21.4	14.3	21.5



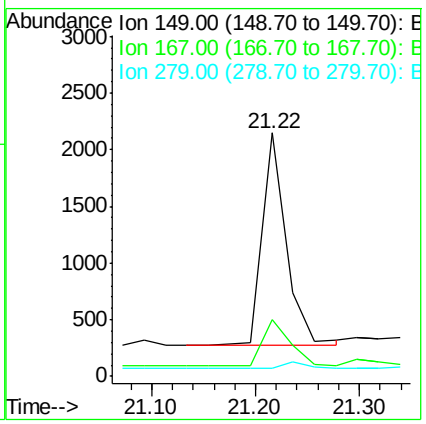


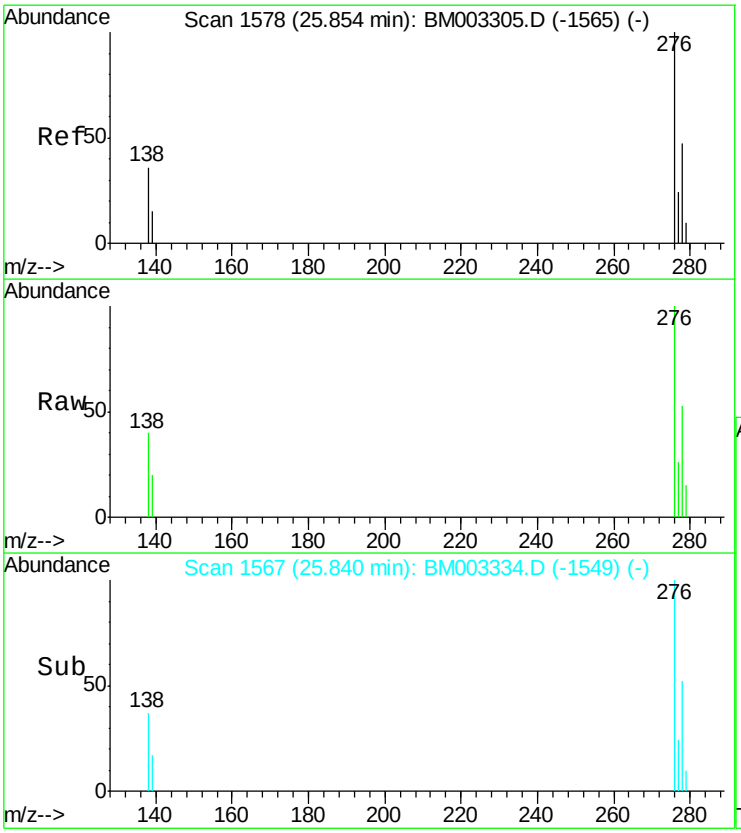
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.20 ng
RT: 21.22 min Scan# 1194
Delta R.T. -0.02 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:149 Resp: 2983

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.6	29.4
279	0.0	0.0	0.0

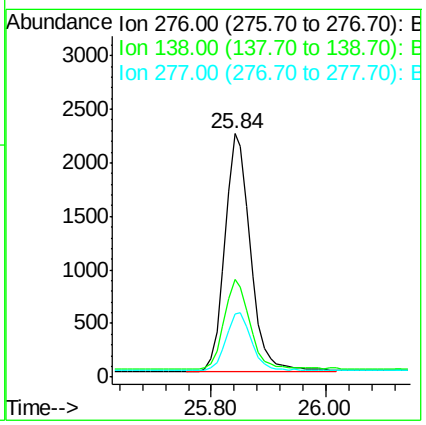


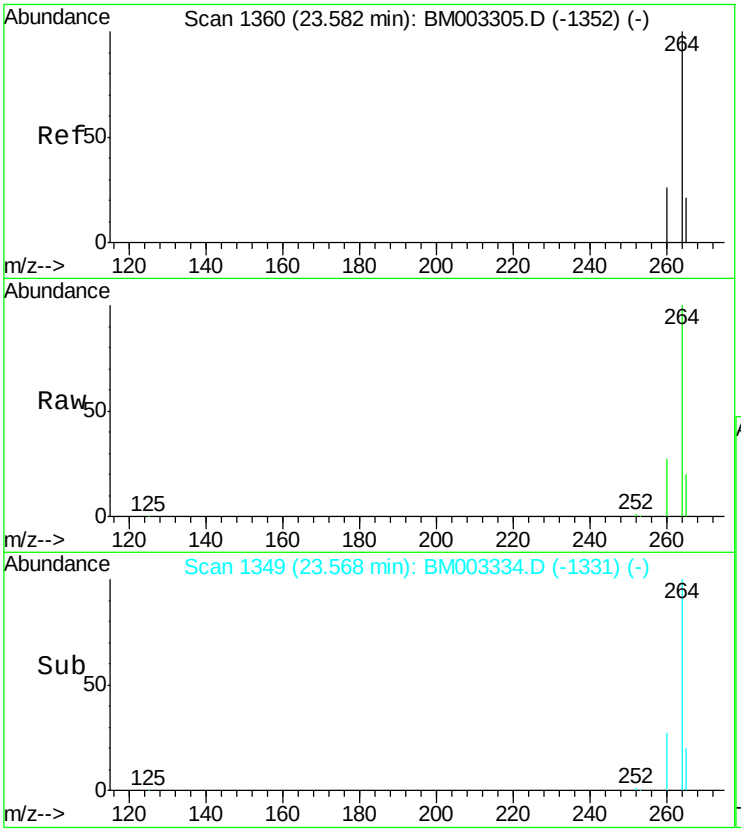


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.16 ng
RT: 25.84 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:276 Resp: 6922

Ion	Ratio	Lower	Upper
276	100		
138	37.1	19.1	28.7#
277	25.0	15.9	23.9#



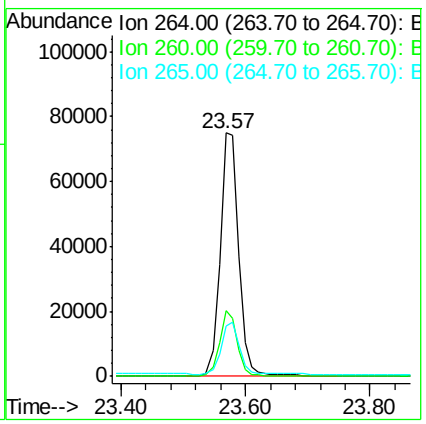


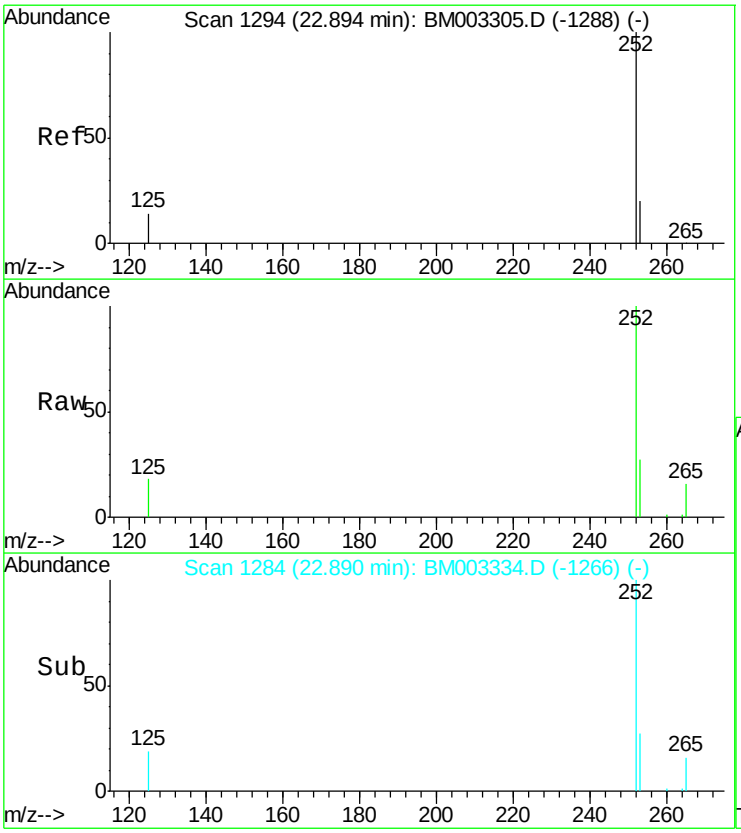
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.57 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:264 Resp: 155211

Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.6	29.4
265	20.5	18.4	27.6

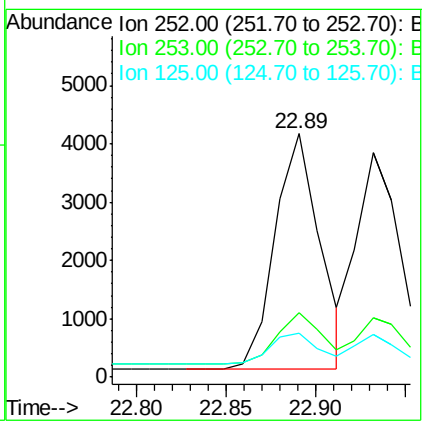


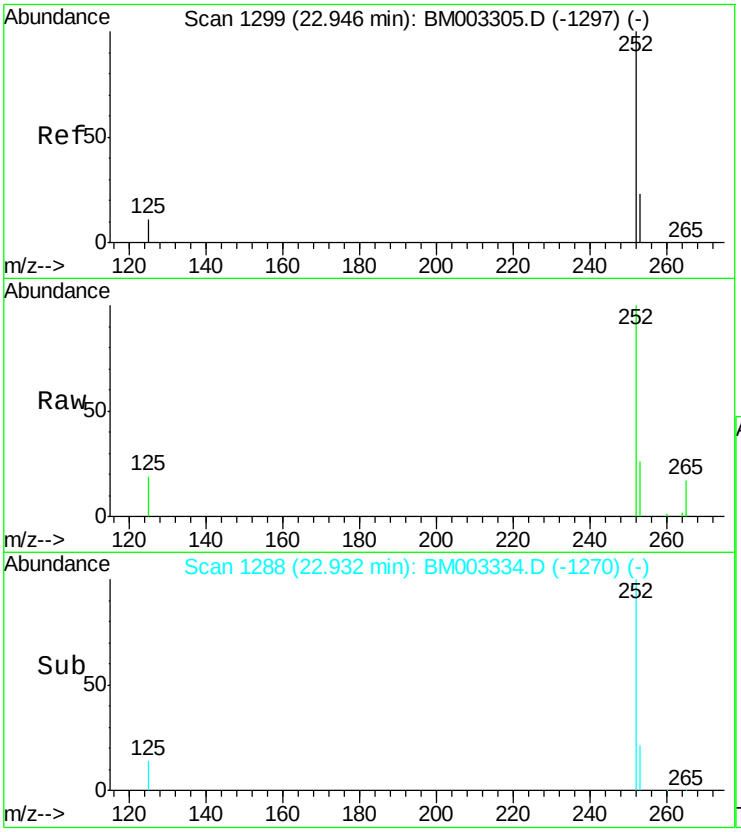


#36
Benzo(b)fluoranthene
Concen: 0.16 ng
RT: 22.89 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:252 Resp: 7090

Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.2	27.4
125	17.9	10.3	15.5#



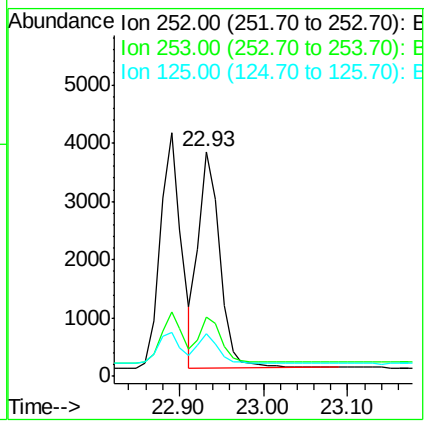


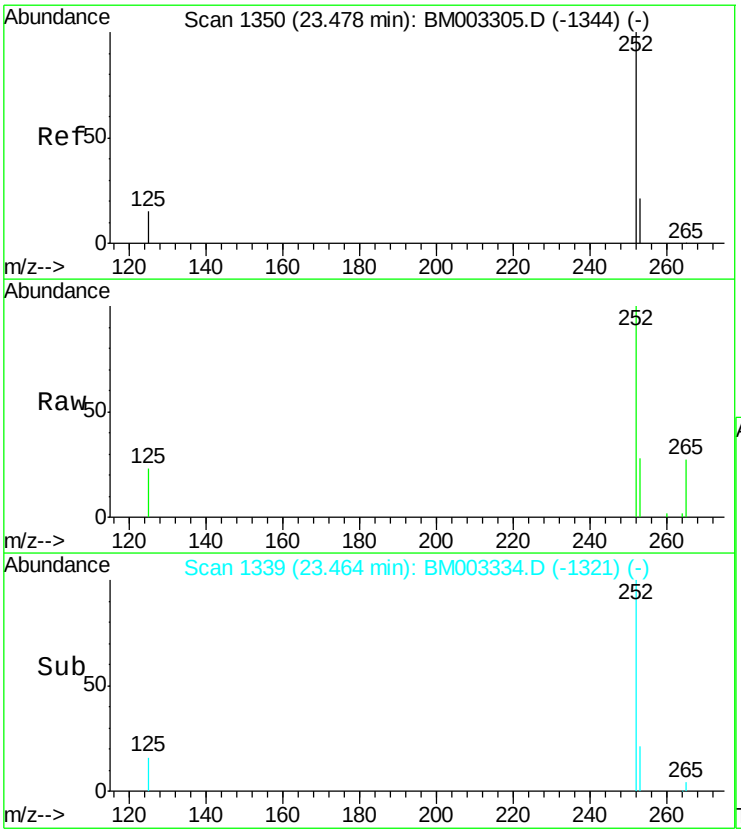
#37
Benzo(k)fluoranthene
Concen: 0.16 ng
RT: 22.93 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:252 Resp: 6492

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.5	26.3
125	19.0	10.7	16.1#

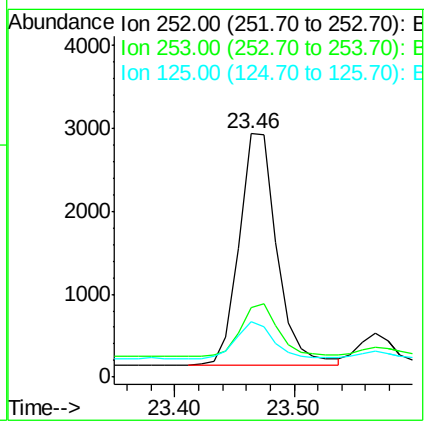


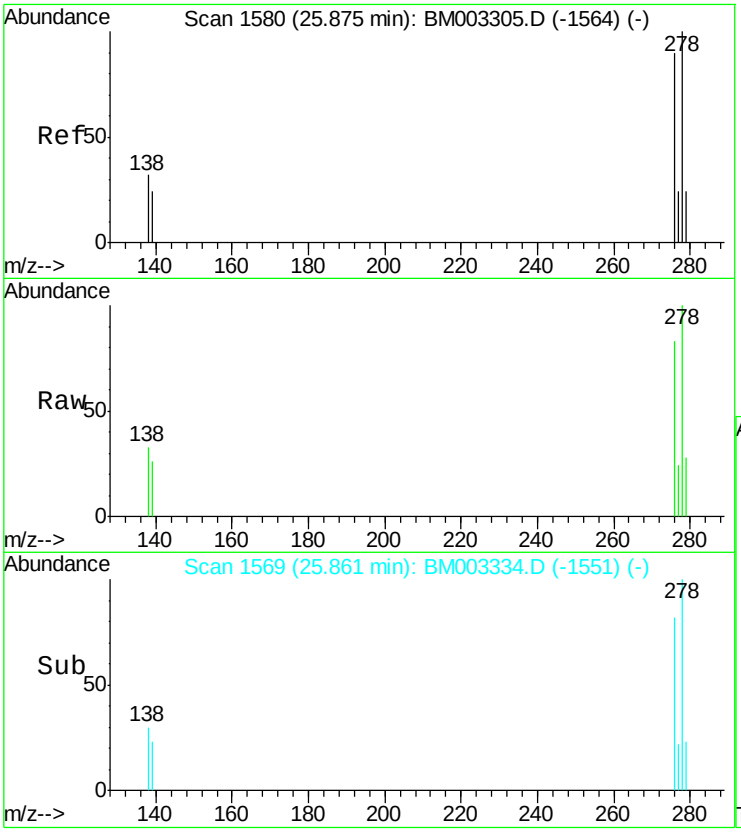


#38
Benzo(a)pyrene
Concen: 0.17 ng
RT: 23.46 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:252 Resp: 6124

Ion	Ratio	Lower	Upper
252	100		
253	28.5	18.7	28.1#
125	22.6	11.6	17.4#



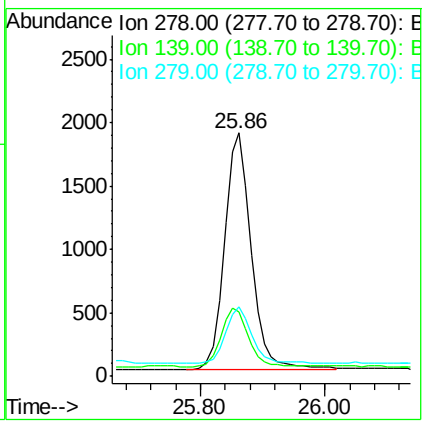


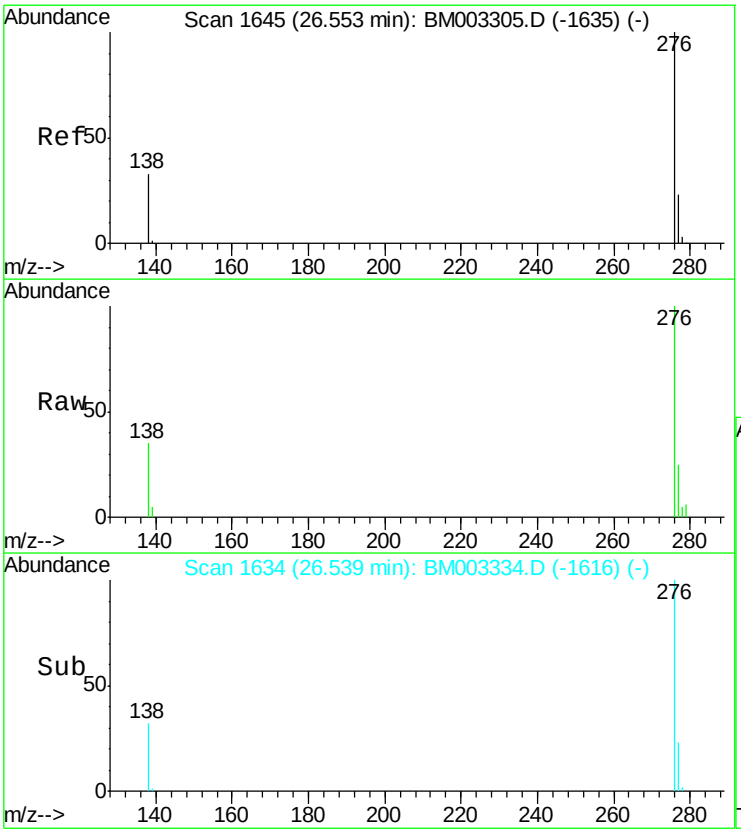
#39
Dibenzo(a,h)anthracene
Concen: 0.18 ng
RT: 25.86 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:278 Resp: 5574

Ion	Ratio	Lower	Upper
278	100		
139	26.3	18.2	27.4
279	28.4	18.8	28.2#





#40
Benzo(g,h,i)perylene
Concen: 0.17 ng
RT: 26.54 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BM003334.D
Acq: 01 Dec 2015 00:22

Tgt Ion:276 Resp: 6388

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.6
138	35.3	22.3	33.5#