Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
Data File : BE091656.D
Acq On : 13 Apr 2016 14:20
Operator : UM/SJ
Sample : H1984-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-SOIL2016-02

Quant Time: Apr 14 00:52:21 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	34253	5.00	ng		-0.02
7) Naphthalene-d8	10.57	136	163588	5.00	ng		-0.02
13) Acenaphthene-d10	14.42	164	99343	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	254870	5.00	ng		0.00
26) Chrysene-d12	21.31	240	282200	5.00	ng		0.00
35) Perylene-d12	23.75	264	270314	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	60225	7.37	ng		0.00
5) Phenol-d6	6.97	99	85506	7.85	ng		0.00
8) Nitrobenzene-d5	8.96	82	34528	3.63	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	25261	6.98	ng		-0.01
15) 2-Fluorobiphenyl	13.05	172	114038	4.13	ng		0.00
29) Terphenyl-d14	19.76	244	179055	5.08	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	777	0.12	ng		86
3) n-Nitrosodimethylamine	3.66	42	648	0.12	ng	#	99
6) bis(2-Chloroethyl)ether	7.23	93	1381	0.15	ng	#	74
9) Nitrobenzene	8.99	77	1627	0.30	ng	#	96
10) Naphthalene	10.63	128	5677	0.17	ng		98
11) Hexachlorobutadiene	10.92	225	1306	0.26	ng	#	78
12) 2-Methylnaphthalene	12.24	142	3597	0.17	ng		93
16) Acenaphthylene	14.14	152	6271	0.16	ng	#	87
17) Acenaphthene	14.47	154	3955	0.16	ng		85
18) Fluorene	15.46	166	4896	0.16	ng		99
20) 4-Bromophenyl-phenylether	16.34	248	1424	0.16	ng		97
21) Hexachlorobenzene	16.46	284	1550	0.17	ng		98
22) Pentachlorophenol	16.81	266	355	0.29	ng		97
23) Phenanthrene	17.19	178	10215	0.18	ng		98
24) Anthracene	17.29	178	8115	0.16	ng		99
25) Fluoranthene	19.21	202	9385	0.15	ng		98
27) Benzidine	19.40	184	1756	0.39	ng		94
28) Pyrene	19.55	202	9930	0.18	ng		99
30) Benzo(a)anthracene	21.29	228	11384	0.18	ng		96
31) 3,3'-Dichlorobenzidine	21.24	252	1570	0.20	ng		88
32) Chrysene	21.29	228	11384	0.20	ng		92
33) Bis(2-ethylhexyl)phthalate	21.20	149	2072	0.31	ng	#	57
34) Indeno(1,2,3-cd)pyrene	26.31	276	10795	0.17	ng		96
36) Benzo(b)fluoranthene	23.00	252	10503	0.17	ng		97
37) Benzo(k)fluoranthene	23.05	252	10209	0.16	ng		97
38) Benzo(a)pyrene	23.63	252	9080	0.16	ng		95
39) Dibenzo(a,h)anthracene	26.34	278	8710	0.15	ng		95
40) Benzo(g,h,i)perylene	27.09	276	9432	0.16	ng		97

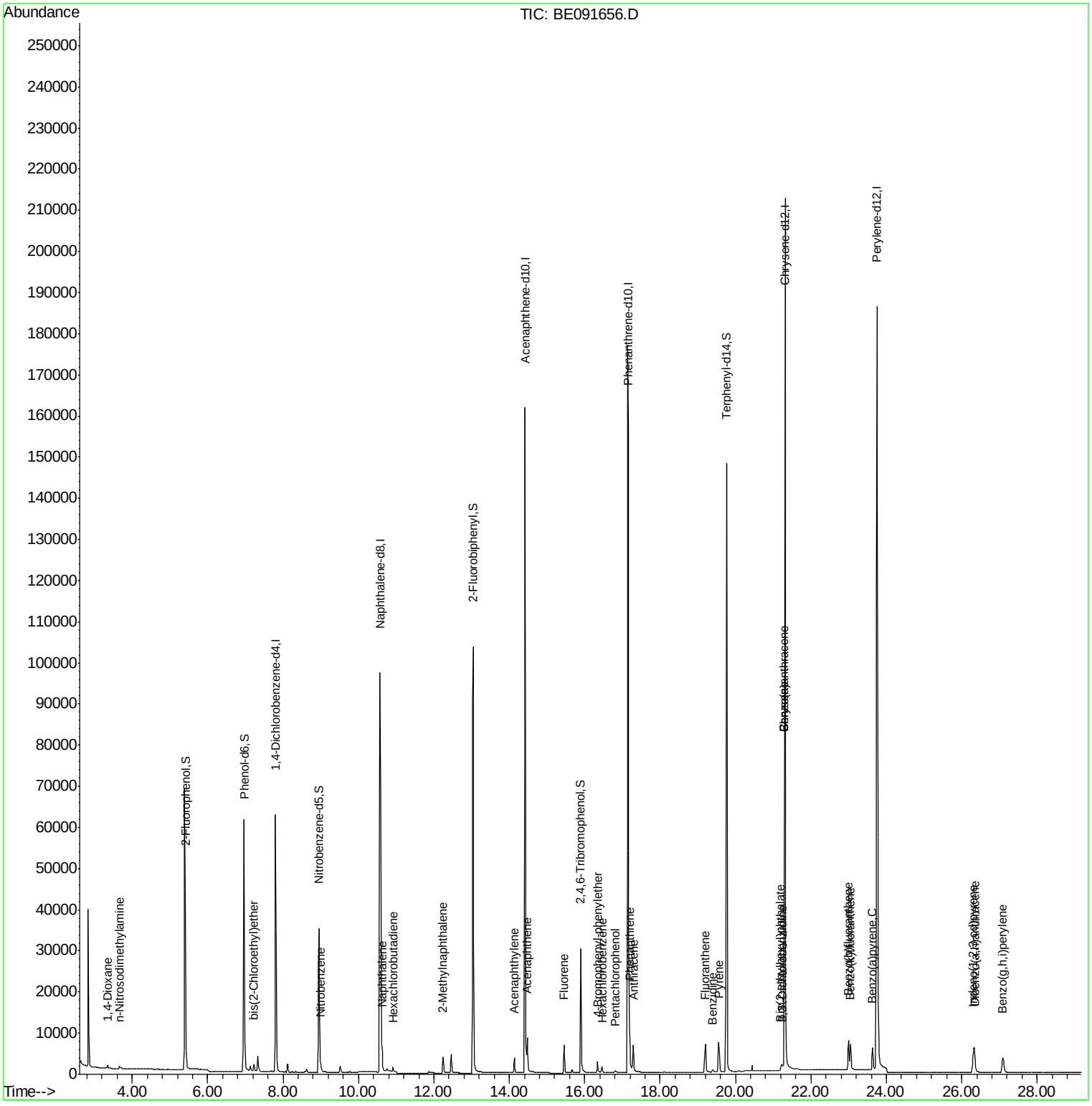
(#) = qualifier out of range (m) = manual integration (+) = signals summed

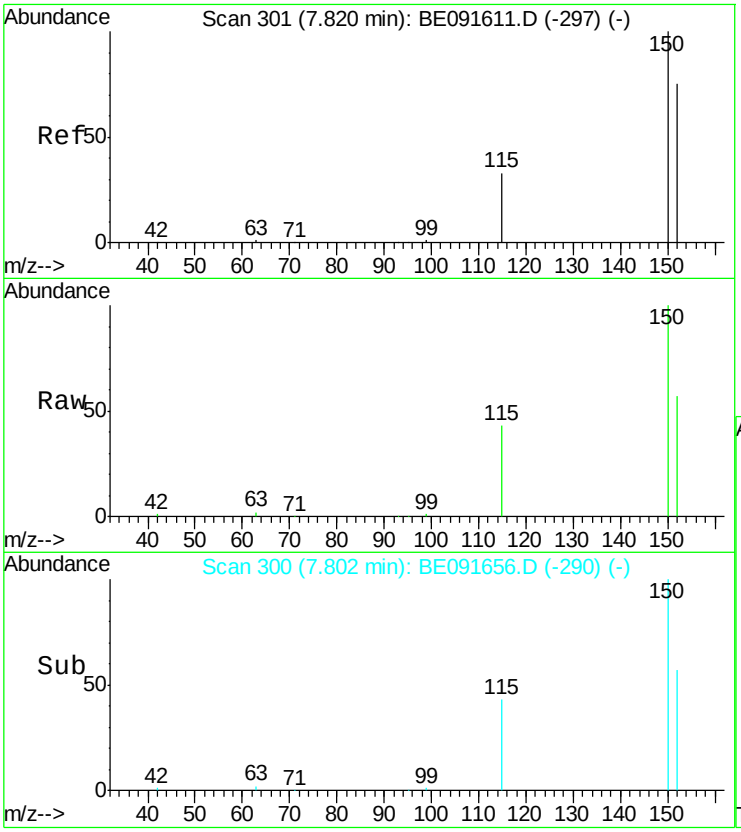
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
Data File : BE091656.D
Acq On : 13 Apr 2016 14:20
Operator : UM/SJ
Sample : H1984-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Quant Time: Apr 14 00:52:21 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 16:48:14 2016
Response via : Initial Calibration



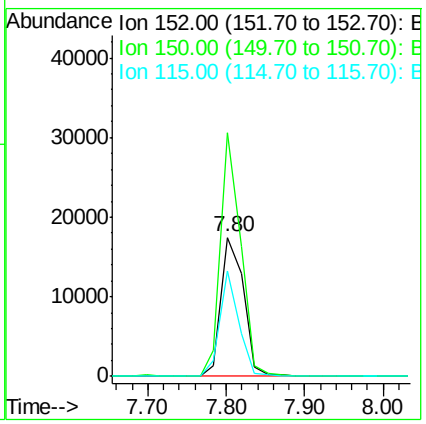


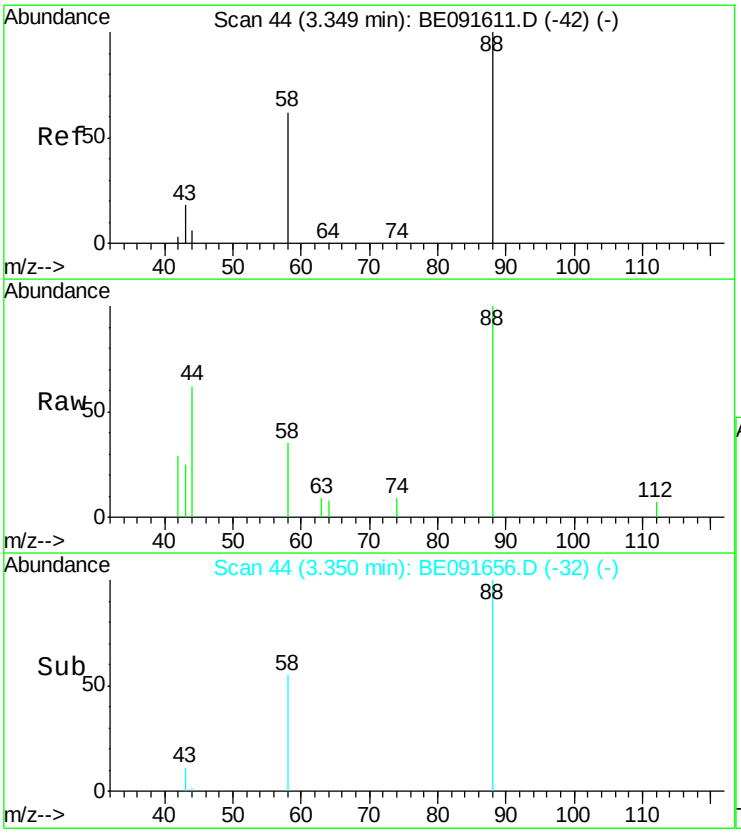
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.02 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:152 Resp: 34253

Ion	Ratio	Lower	Upper
152	100		
150	175.0	122.6	183.8
115	75.4	52.8	79.2

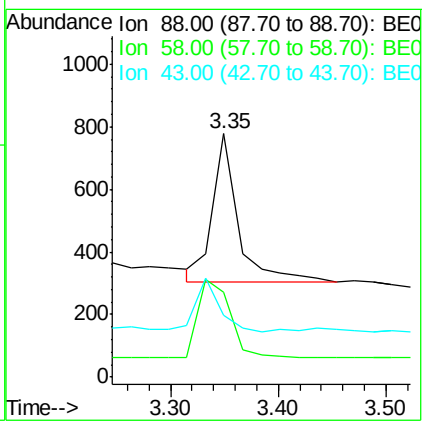


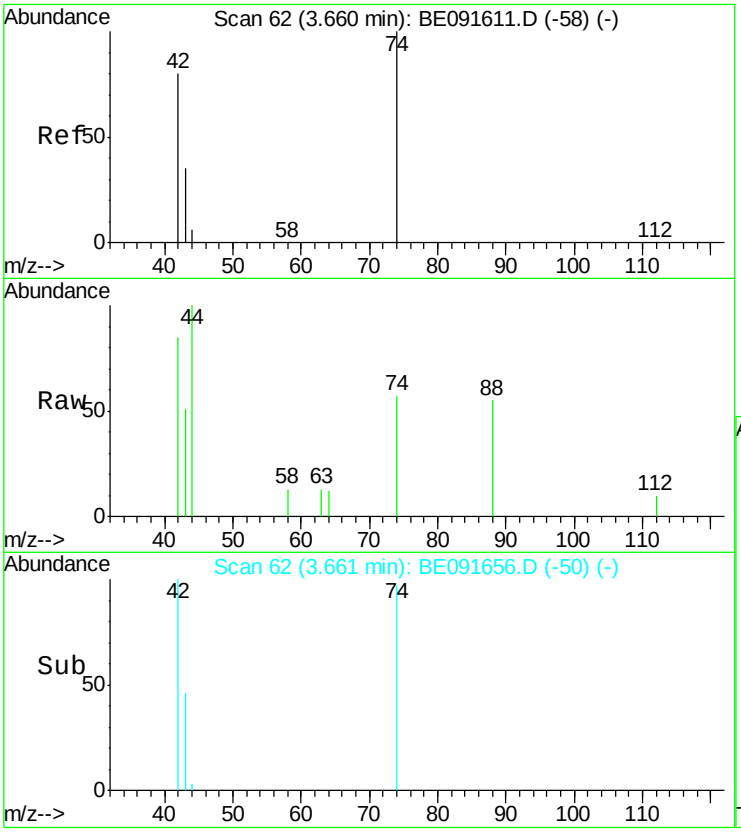


#2
1,4-Dioxane
Concen: 0.12 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion: 88 Resp: 777

Ion	Ratio	Lower	Upper
88	100		
58	66.0	65.8	98.6
43	33.6	25.3	37.9



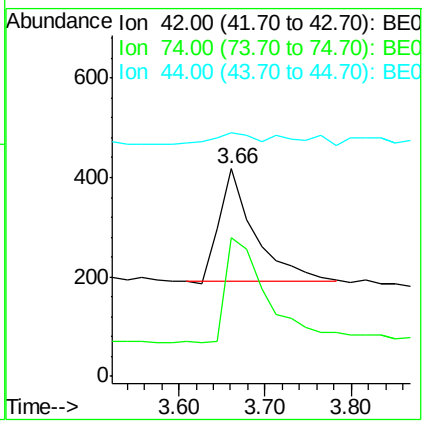


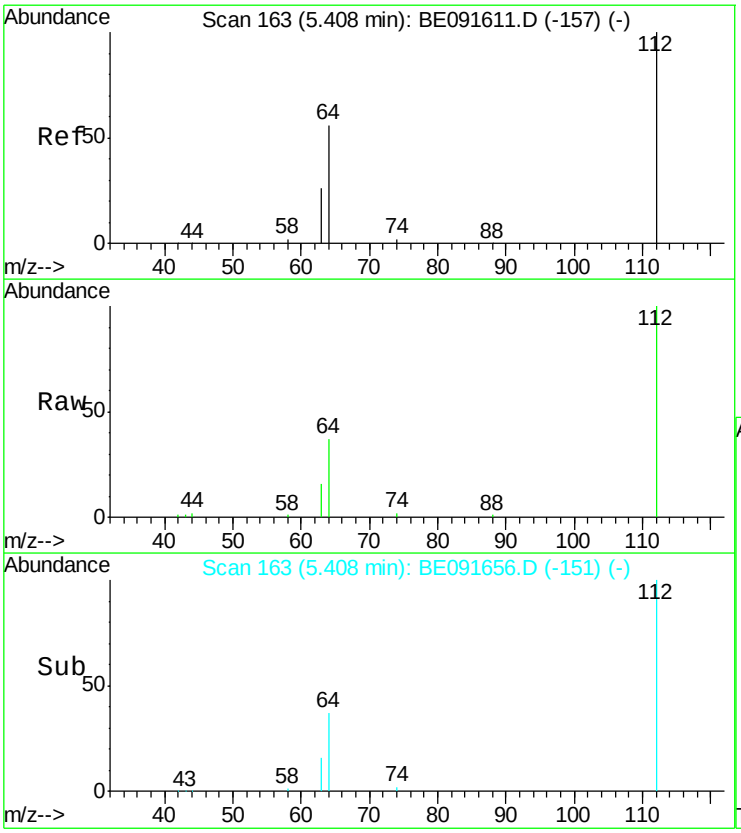
#3
n-Nitrosodimethylamine
Concen: 0.12 ng
RT: 3.66 min Scan# 62
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 42 Resp: 648

Ion	Ratio	Lower	Upper
42	100		
74	109.6	87.9	131.9
44	10.2	6.6	9.8#

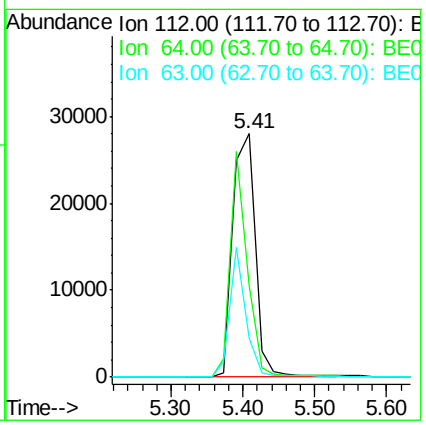


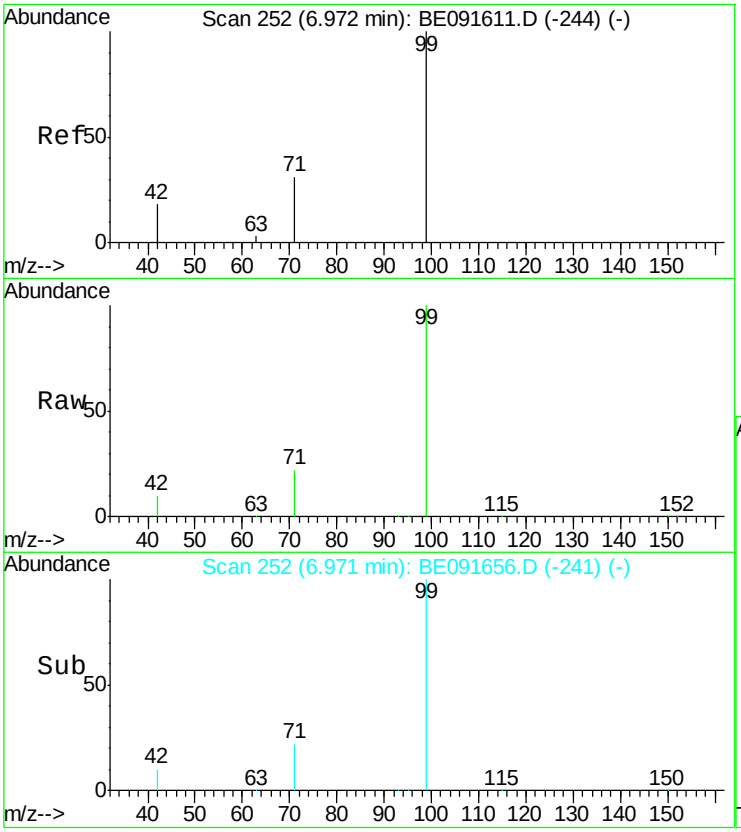


#4
2-Fluorophenol
Concen: 7.37 ng
RT: 5.41 min Scan# 163
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:112 Resp: 60225

Ion	Ratio	Lower	Upper
112	100		
64	69.5	30.9	46.3#
63	37.9	16.7	25.1#



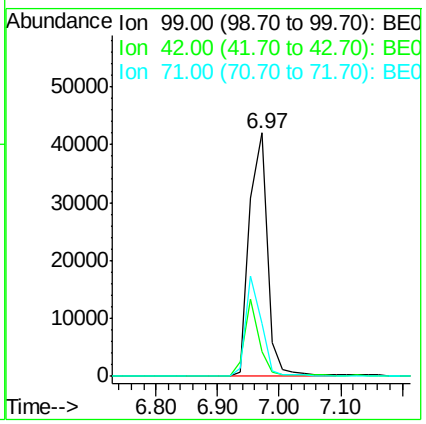


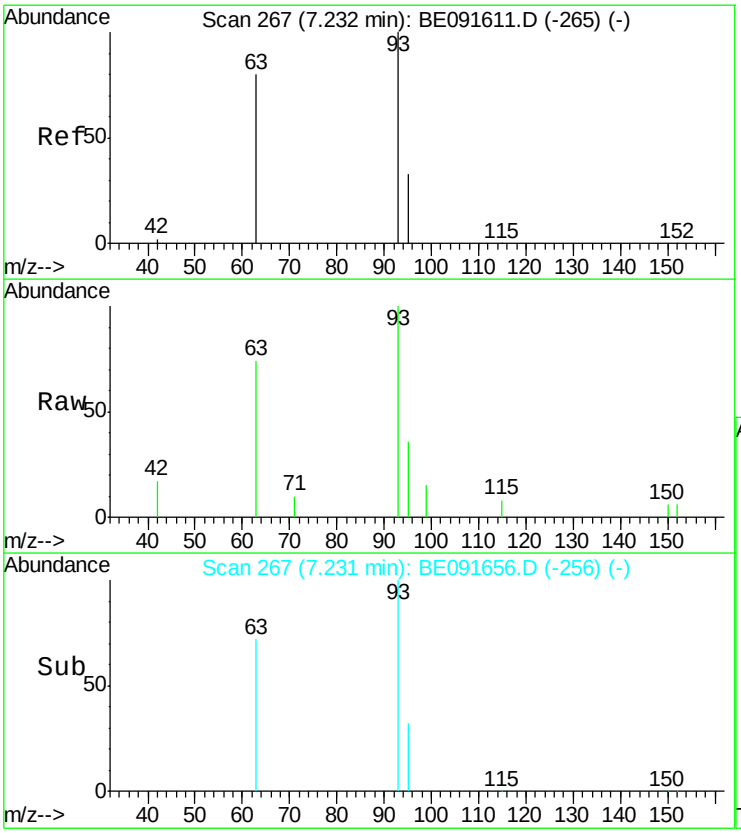
#5
Phenol-d6
Concen: 7.85 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 99 Resp: 85506

Ion	Ratio	Lower	Upper
99	100		
42	25.4	16.2	24.2#
71	36.1	29.0	43.4

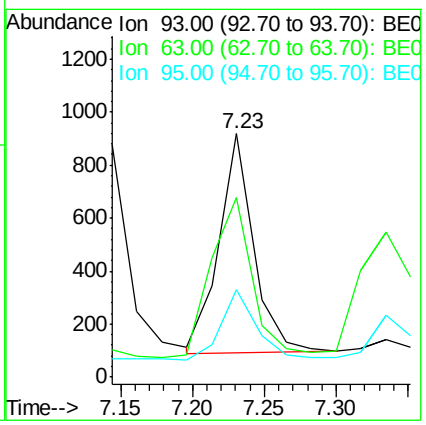


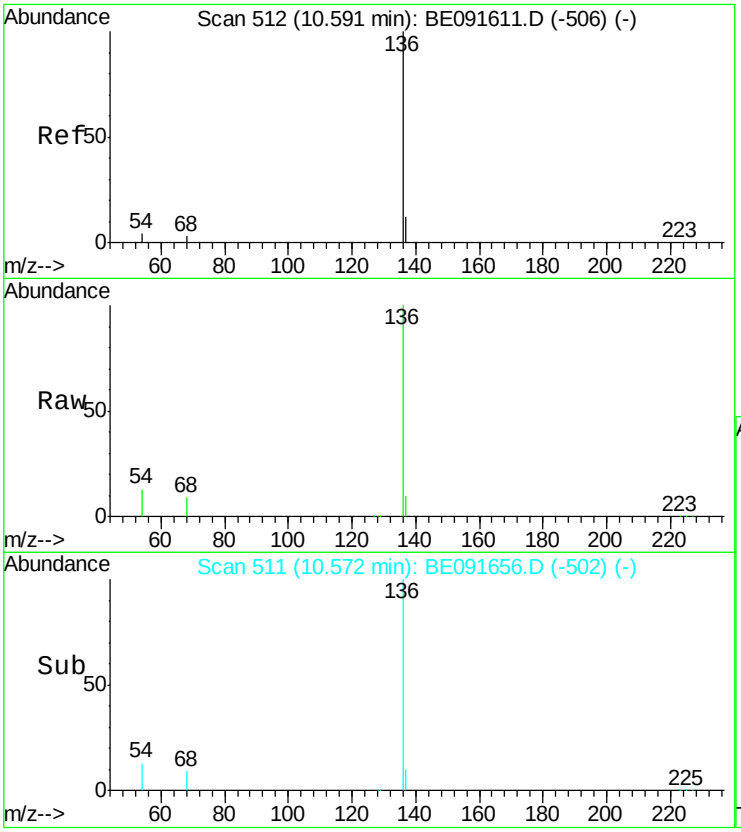


#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.23 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion: 93 Resp: 1381

Ion	Ratio	Lower	Upper
93	100		
63	87.5	49.5	74.3#
95	33.2	22.2	33.4



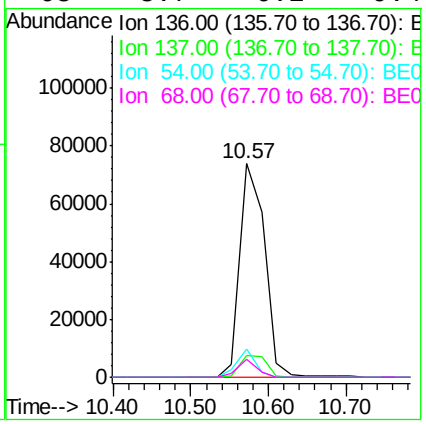


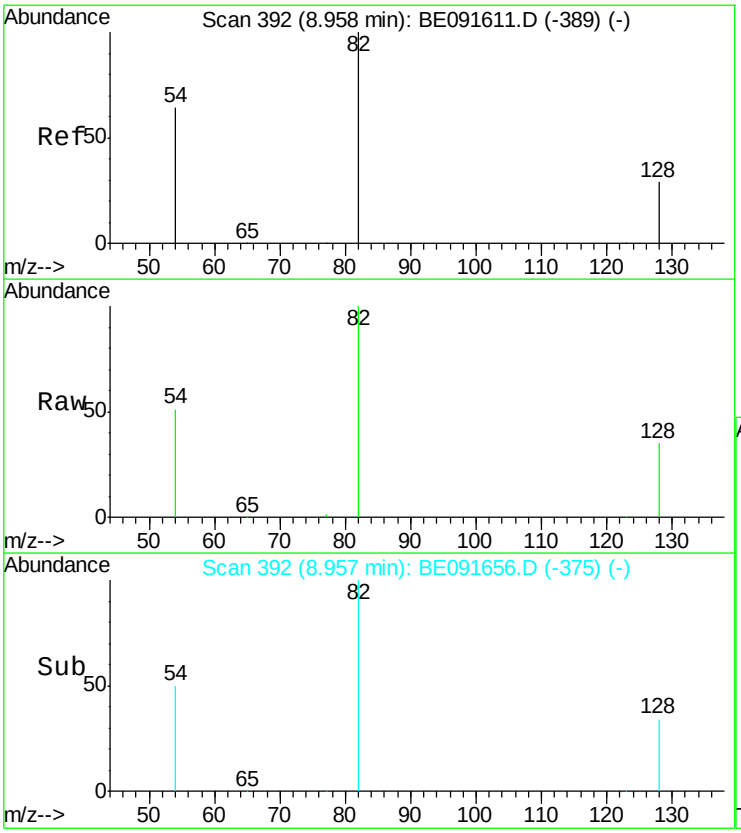
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.02 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:136 Resp: 163588

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	13.2	8.2	12.4#
68	8.7	6.2	9.4

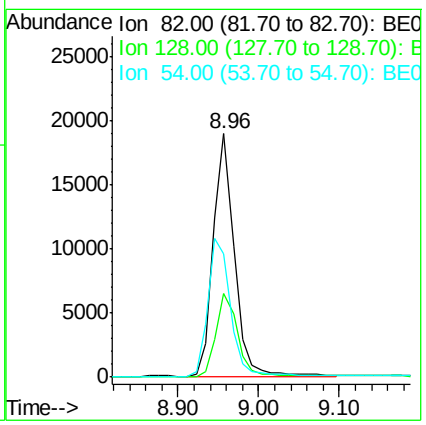


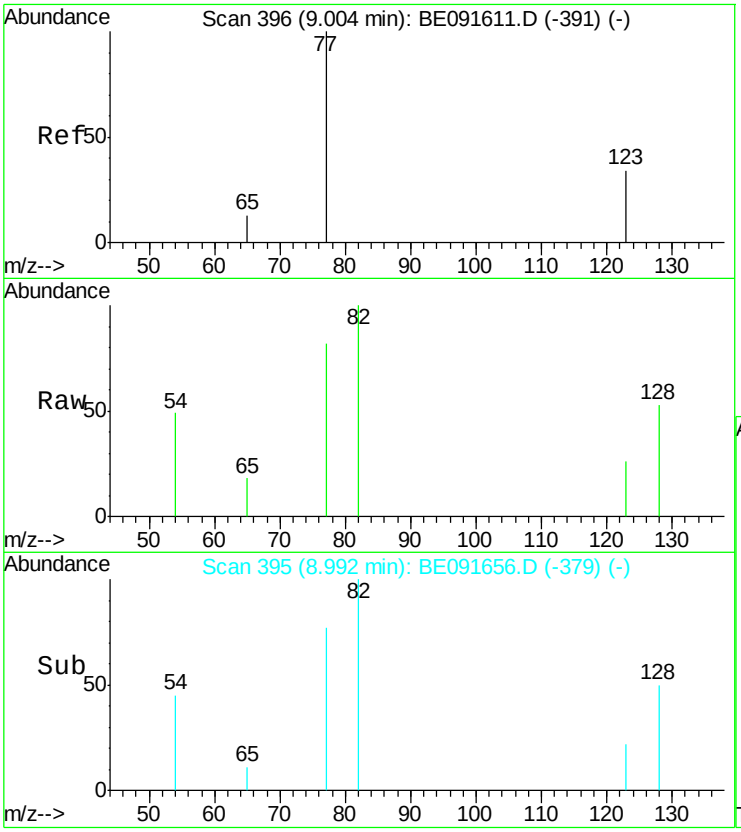


#8
Nitrobenzene-d5
Concen: 3.63 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion: 82 Resp: 34528

Ion	Ratio	Lower	Upper
82	100		
128	34.5	25.4	38.0
54	50.6	48.4	72.6



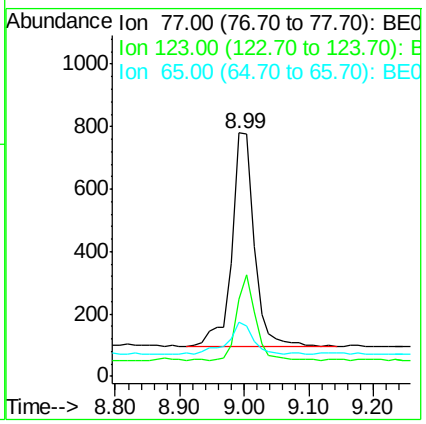


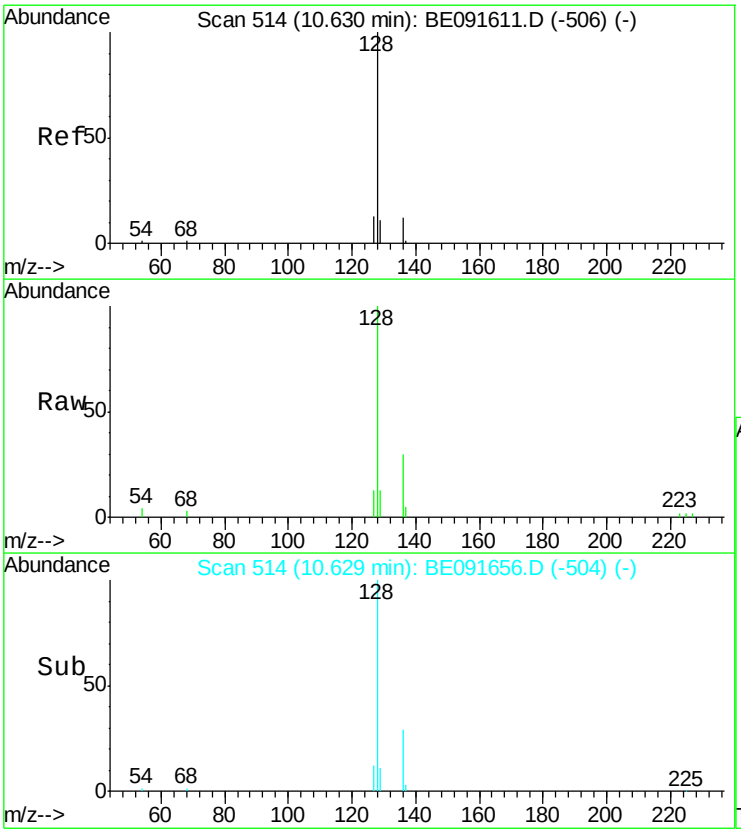
#9
Nitrobenzene
Concen: 0.30 ng
RT: 8.99 min Scan# 395
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 77 Resp: 1627

Ion	Ratio	Lower	Upper
77	100		
123	34.1	26.9	40.3
65	16.6	9.4	14.2#

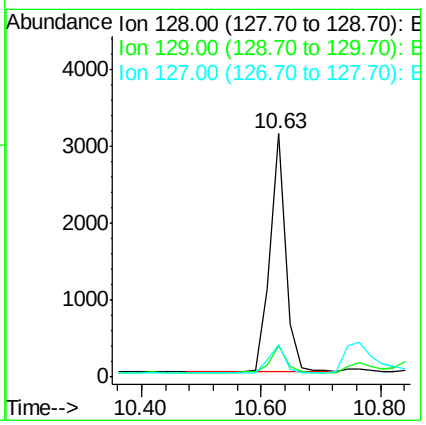


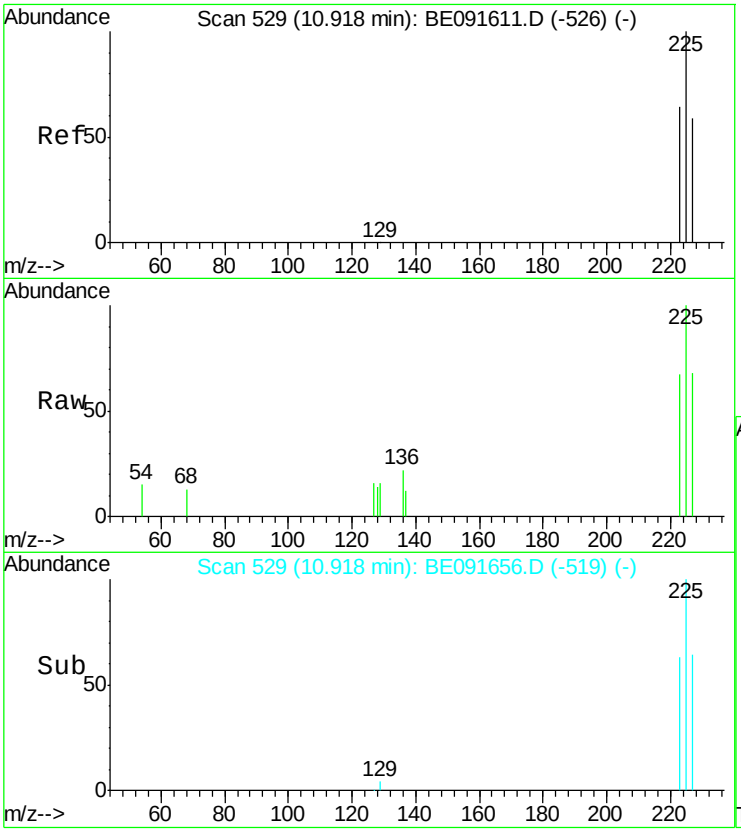


#10
Naphthalene
Concen: 0.17 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:128 Resp: 5677

Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.3	13.9
127	13.5	10.7	16.1



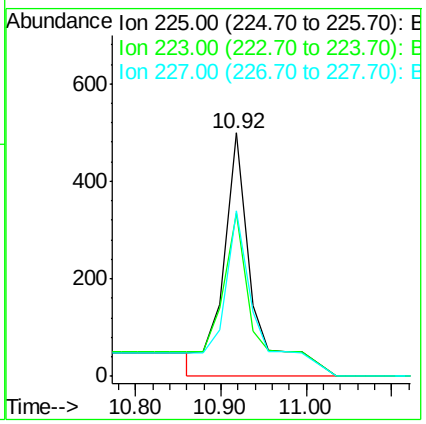


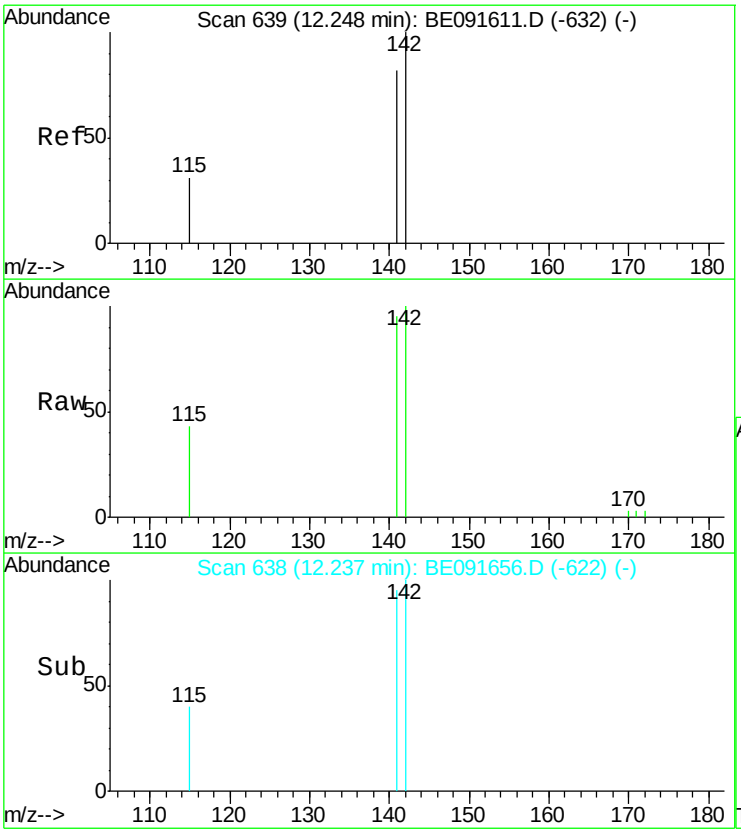
#11
Hexachlorobutadiene
Concen: 0.26 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:225 Resp: 1306

Ion	Ratio	Lower	Upper
225	100		
223	77.9	49.0	73.6#
227	80.7	50.3	75.5#

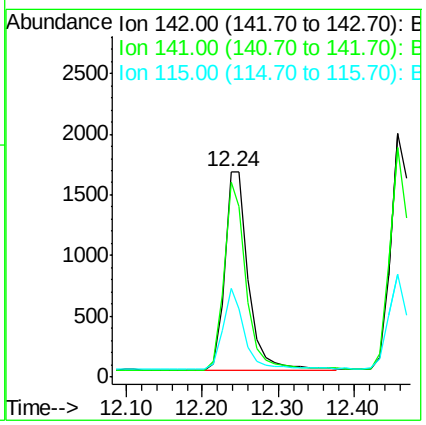


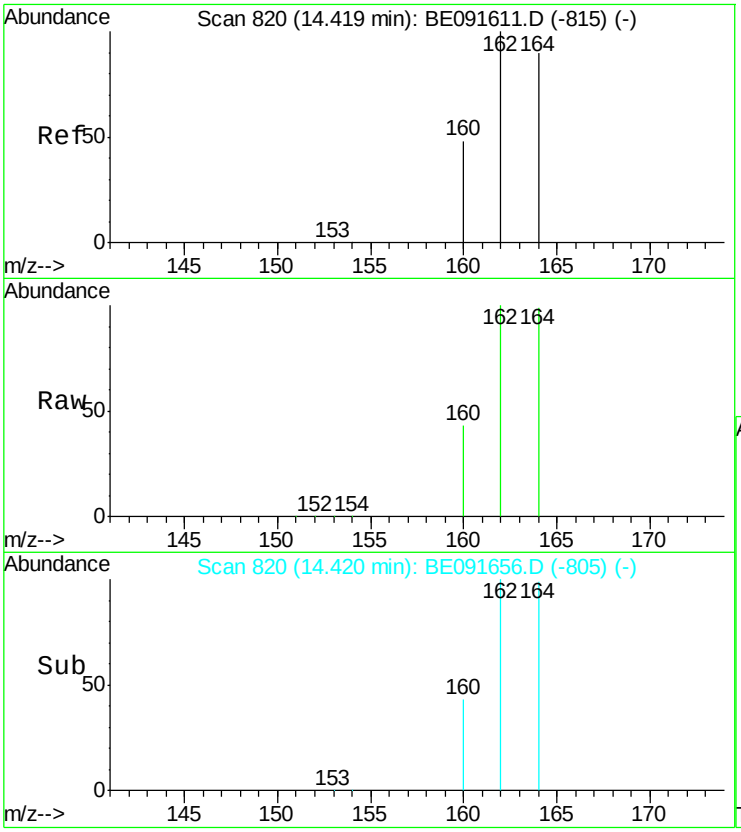


#12
2-Methylnaphthalene
Concen: 0.17 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:142 Resp: 3597

Ion	Ratio	Lower	Upper
142	100		
141	94.9	71.4	107.0
115	43.0	30.3	45.5



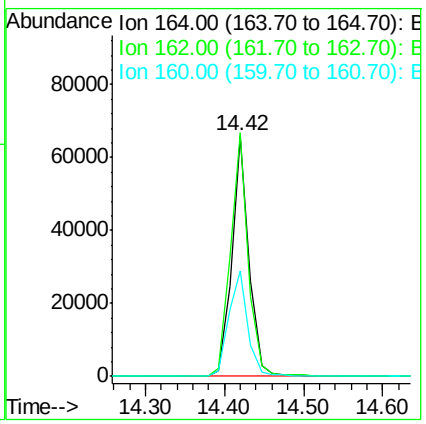


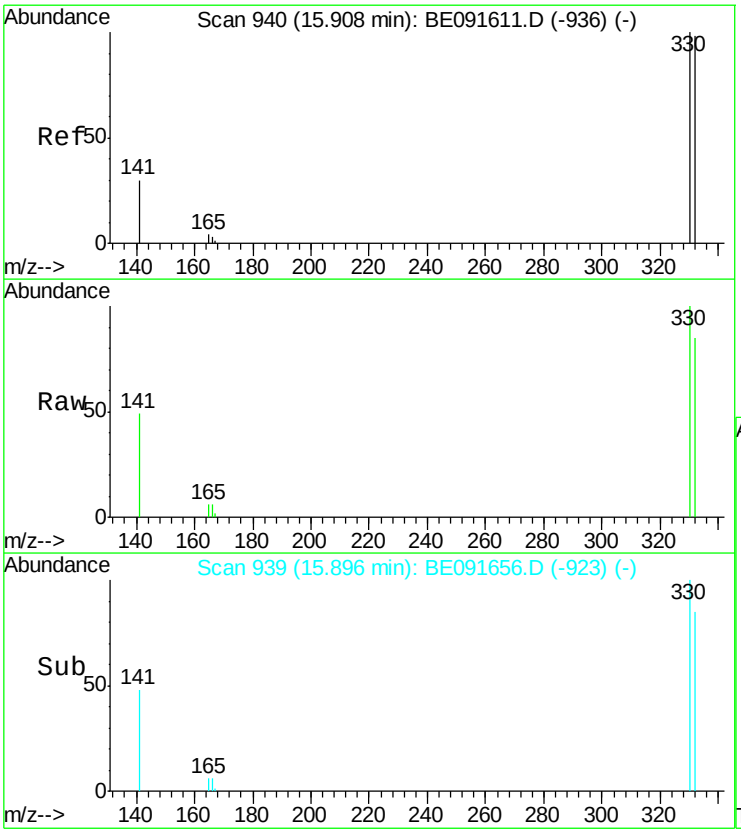
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:164 Resp: 99343

Ion	Ratio	Lower	Upper
164	100		
162	101.4	85.3	127.9
160	44.1	46.2	69.2#

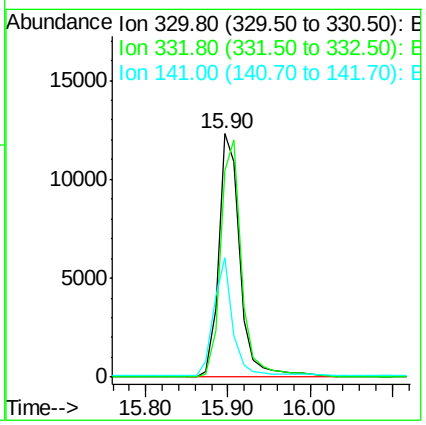


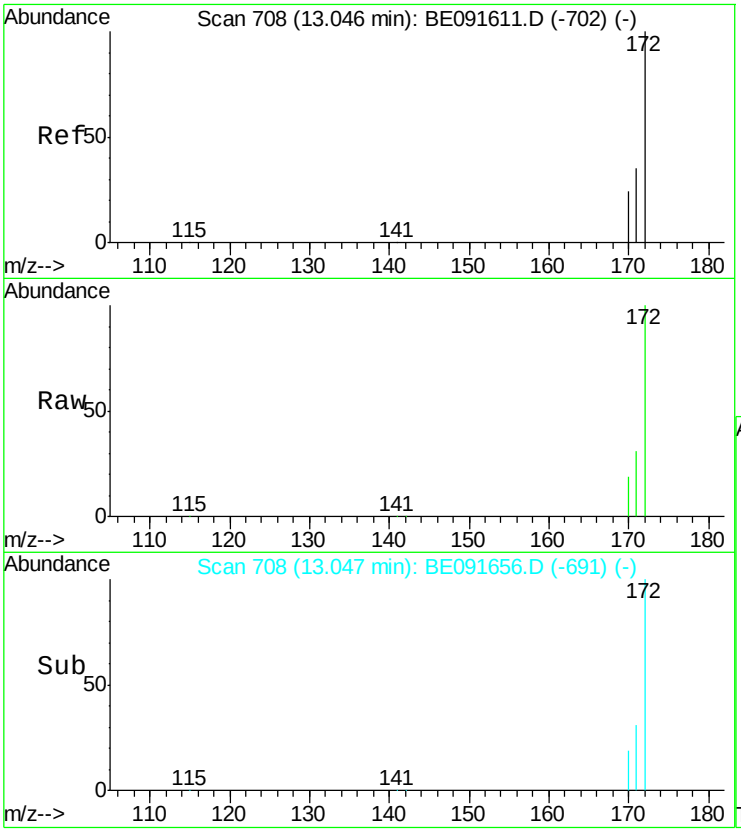


#14
2,4,6-Tribromophenol
Concen: 6.98 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:330 Resp: 25261

Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	43.1	125.4	188.0#



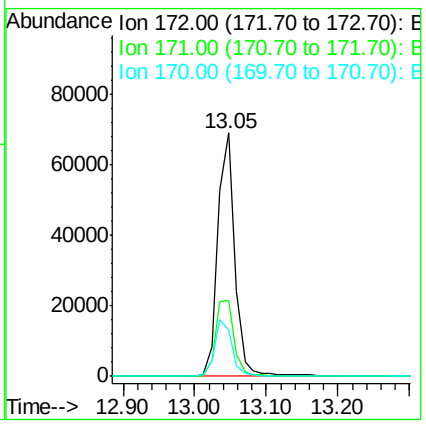


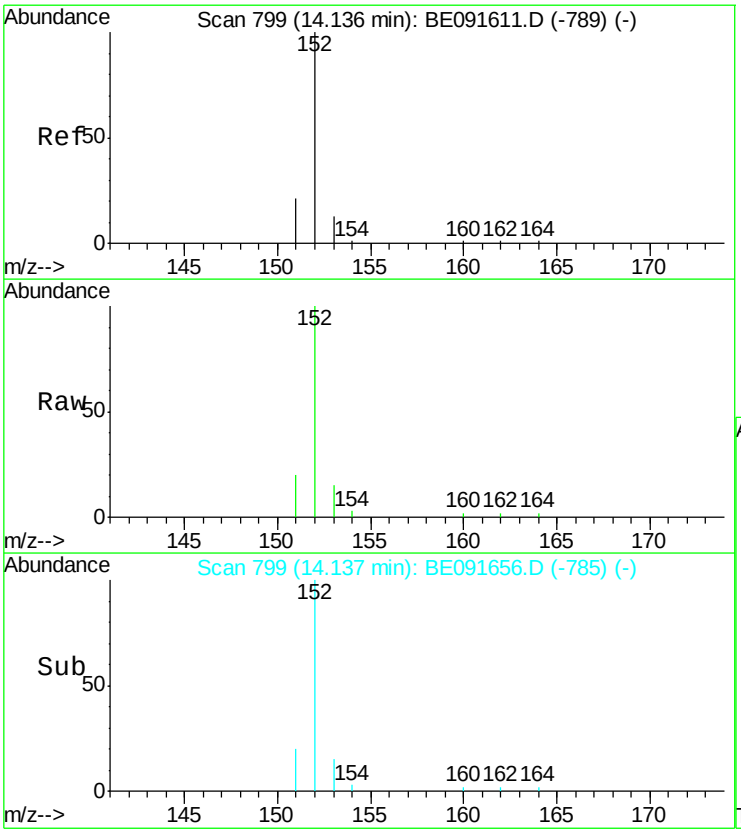
#15
2-Fluorobiphenyl
Concen: 4.13 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:172 Resp: 114038

Ion	Ratio	Lower	Upper
172	100		
171	31.1	28.8	43.2
170	19.0	19.3	28.9#

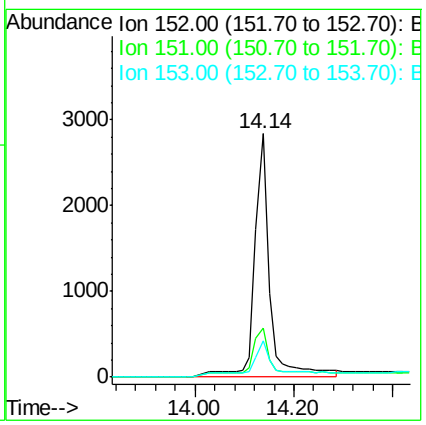


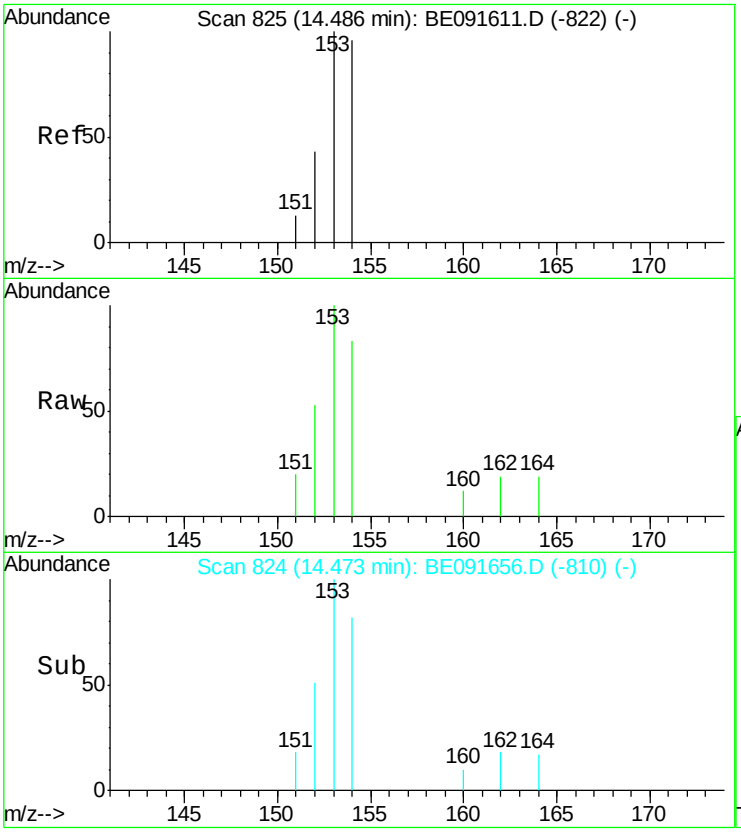


#16
Acenaphthylene
Concen: 0.16 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:152 Resp: 6271

Ion	Ratio	Lower	Upper
152	100		
151	18.9	3.9	5.9#
153	13.8	10.3	15.5



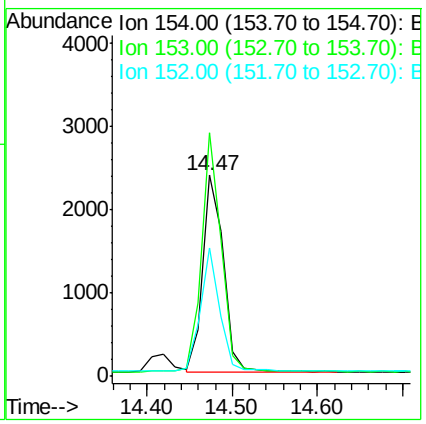


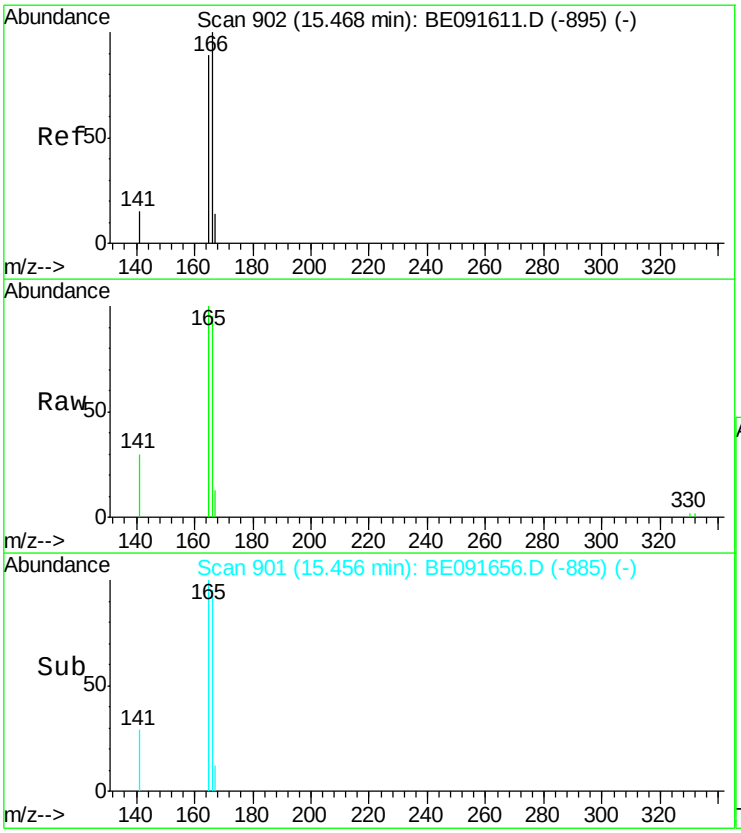
#17
Acenaphthene
Concen: 0.16 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:154 Resp: 3955

Ion	Ratio	Lower	Upper
154	100		
153	116.2	80.0	120.0
152	59.3	40.0	60.0

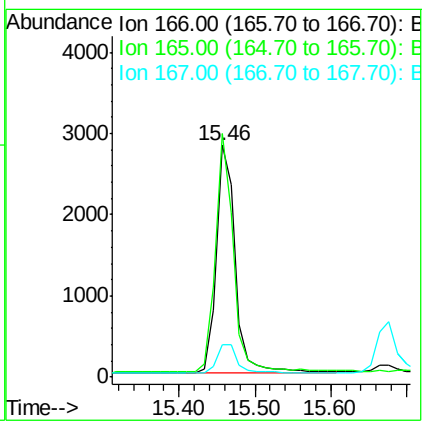


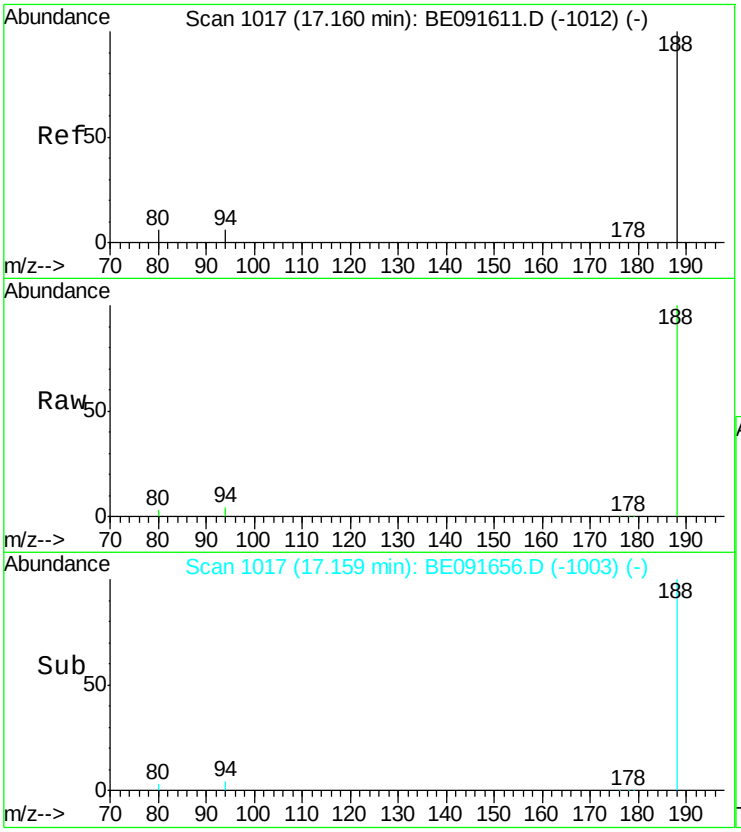


#18
Fluorene
Concen: 0.16 ng
RT: 15.46 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:166 Resp: 4896

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.8	121.2
167	13.4	10.9	16.3



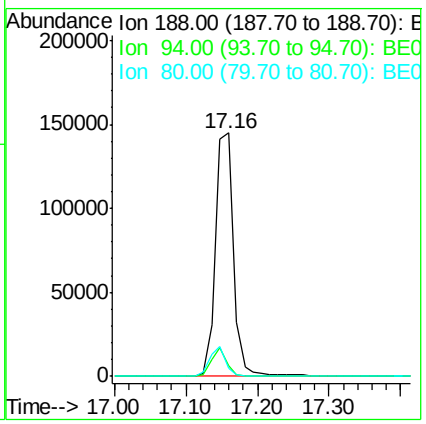


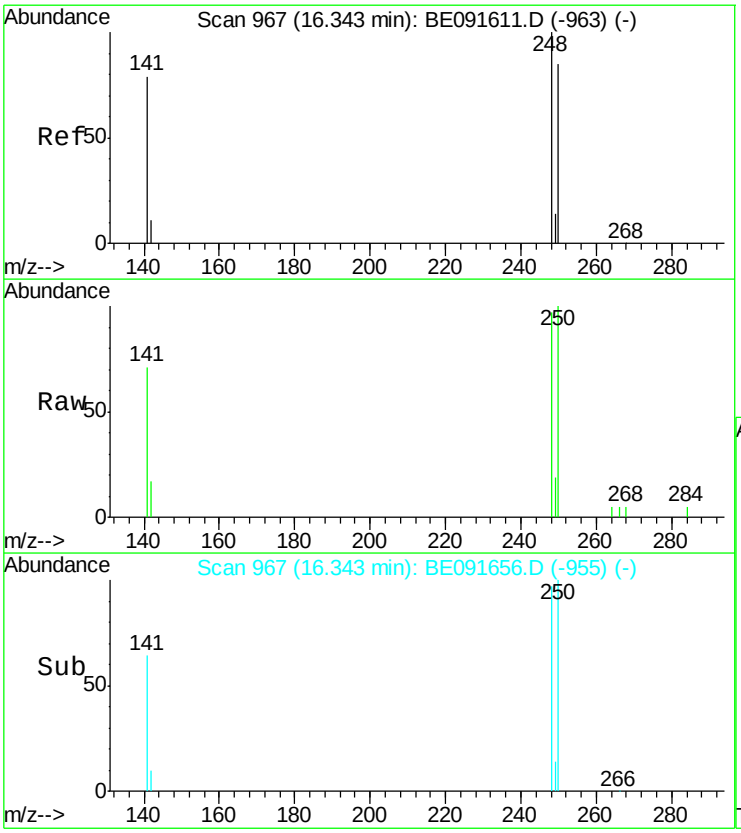
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:188 Resp: 254870

Ion	Ratio	Lower	Upper
188	100		
94	4.3	8.7	13.1#
80	3.5	9.4	14.0#

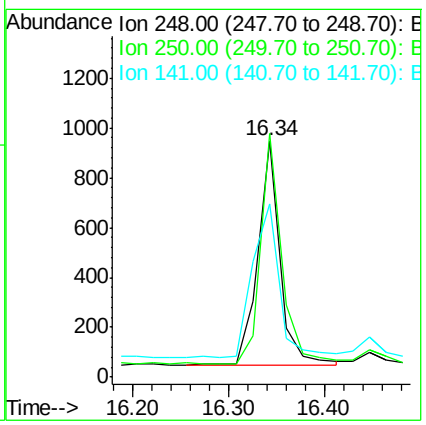


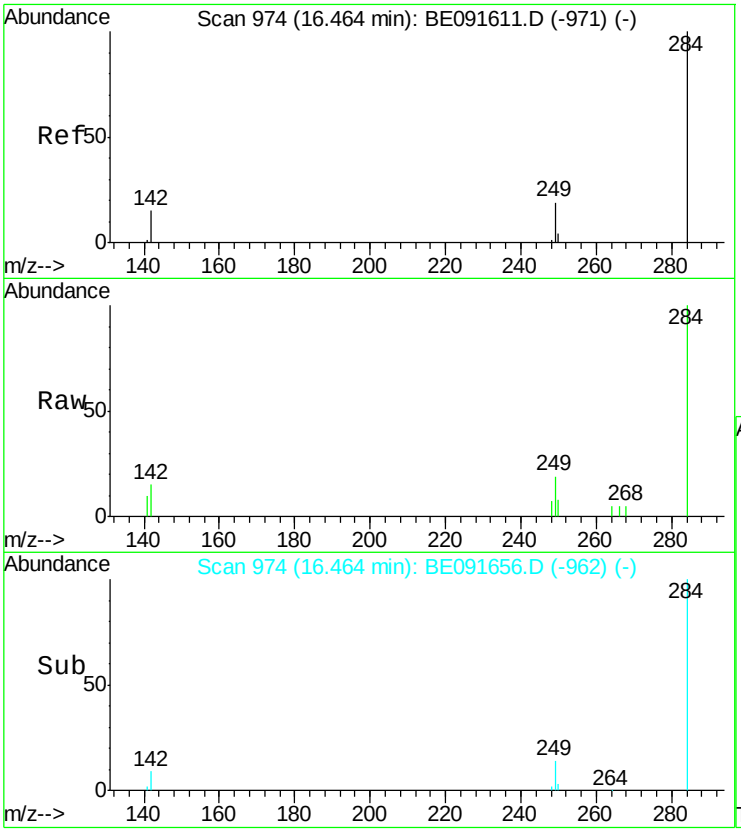


#20
4-Bromophenyl-phenylether
Concen: 0.16 ng
RT: 16.34 min Scan# 967
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:248 Resp: 1424

Ion	Ratio	Lower	Upper
248	100		
250	99.9	80.5	120.7
141	84.1	72.0	108.0



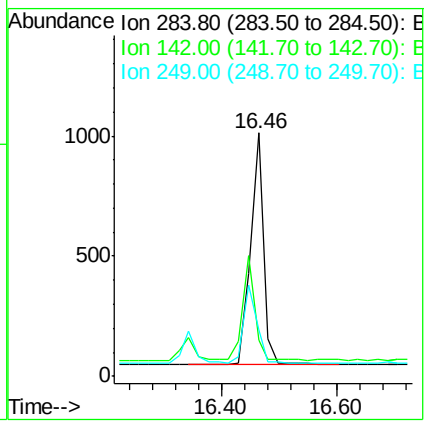


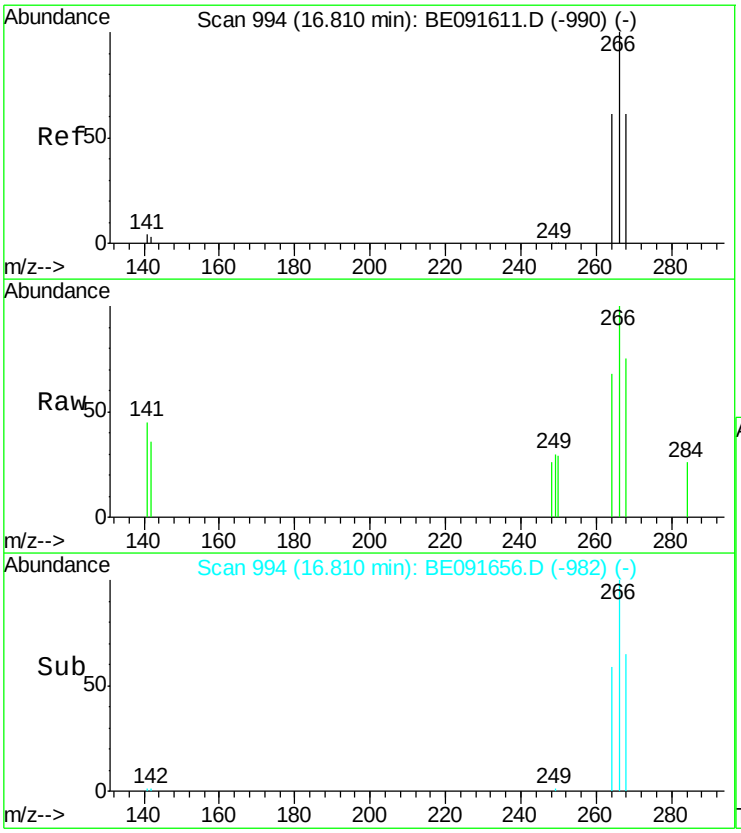
#21
Hexachlorobenzene
Concen: 0.17 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 1550

Ion	Ratio	Lower	Upper
284	100		
142	41.4	32.2	48.2
249	33.4	25.4	38.2

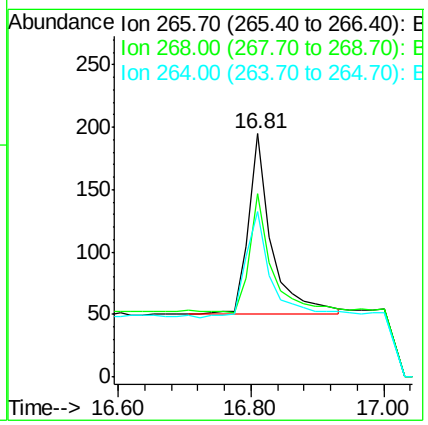


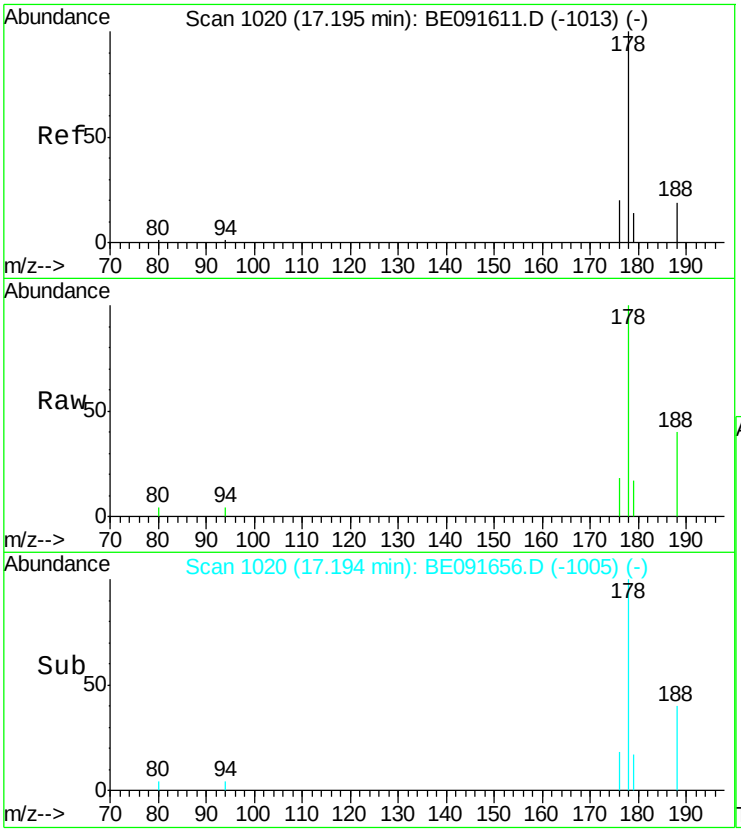


#22
Pentachlorophenol
Concen: 0.29 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:266 Resp: 355

Ion	Ratio	Lower	Upper
266	100		
268	75.4	58.2	87.2
264	68.2	56.2	84.4



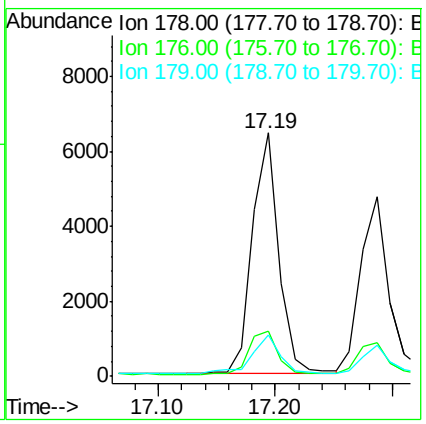


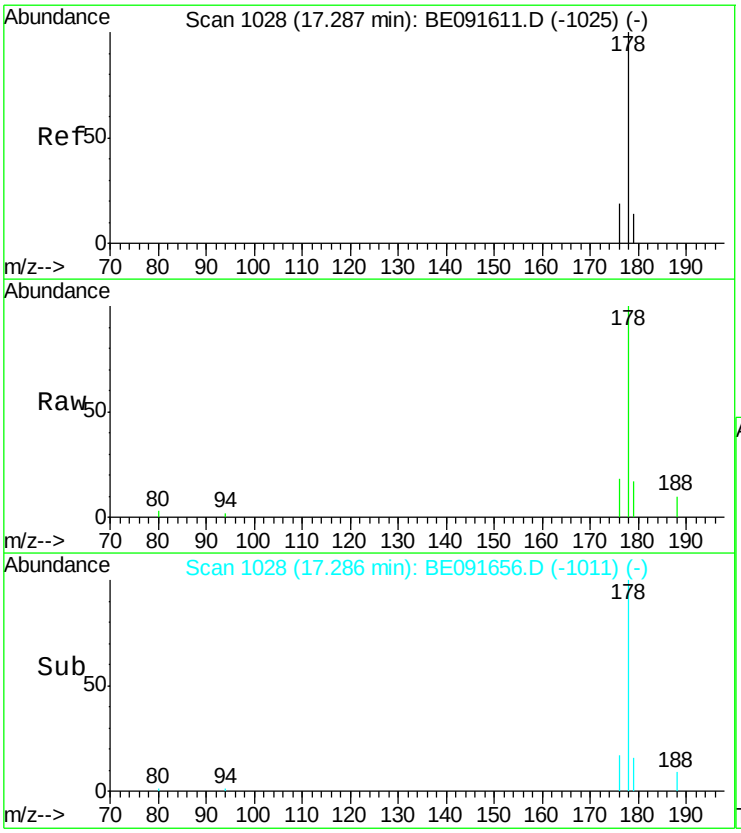
#23
Phenanthrene
Concen: 0.18 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:178 Resp: 10215

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	17.2	12.6	18.8

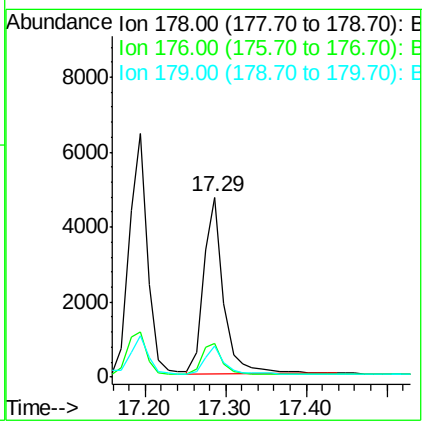


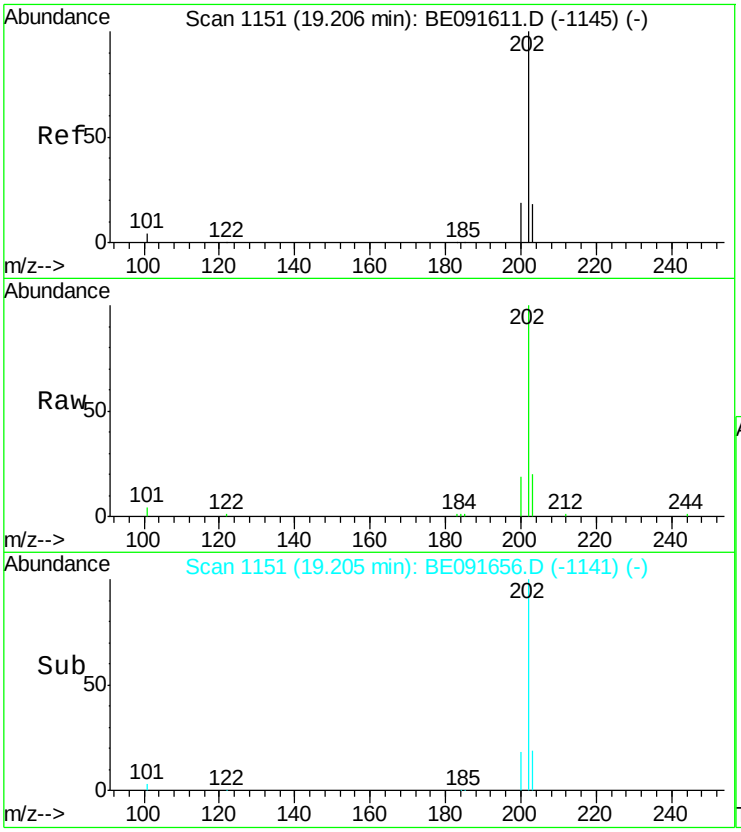


#24
Anthracene
Concen: 0.16 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:178 Resp: 8115

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	14.8	11.8	17.6



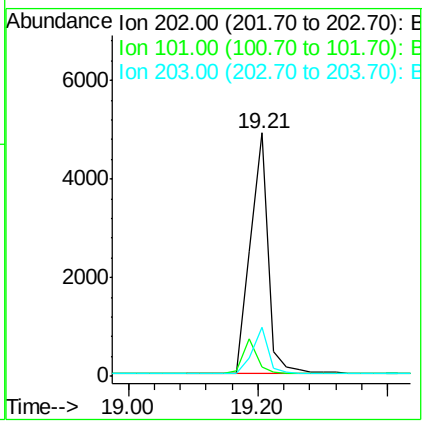


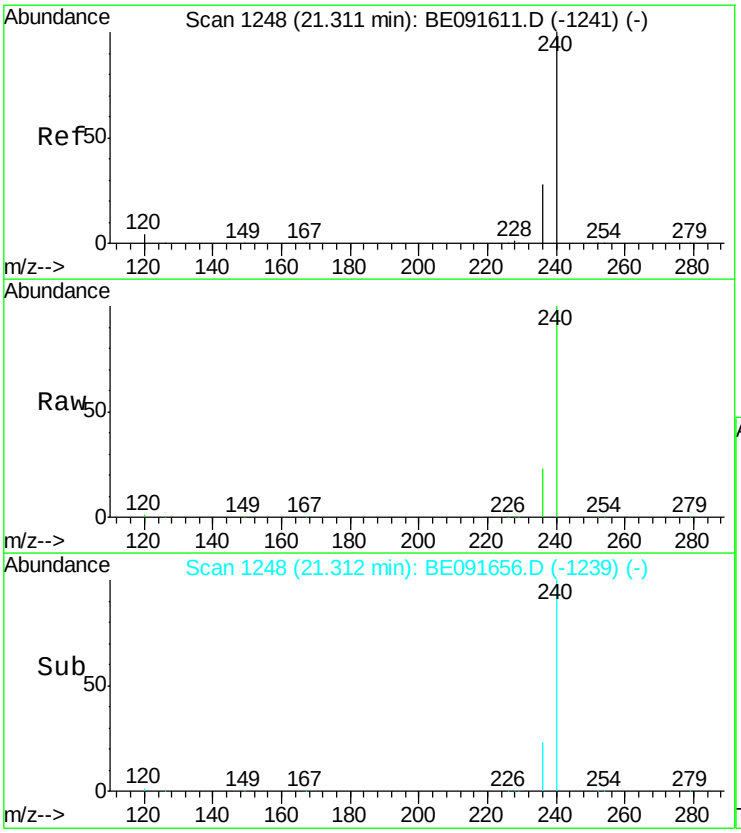
#25
Fluoranthene
Concen: 0.15 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:202 Resp: 9385

Ion	Ratio	Lower	Upper
202	100		
101	12.1	11.0	16.6
203	17.6	13.9	20.9

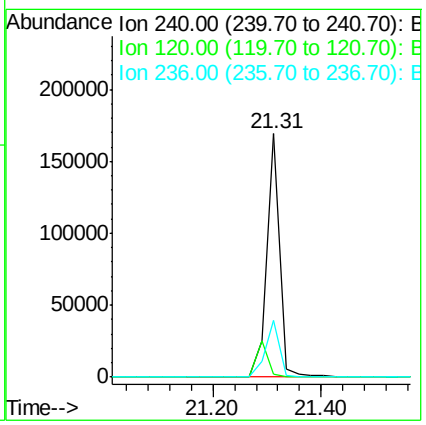


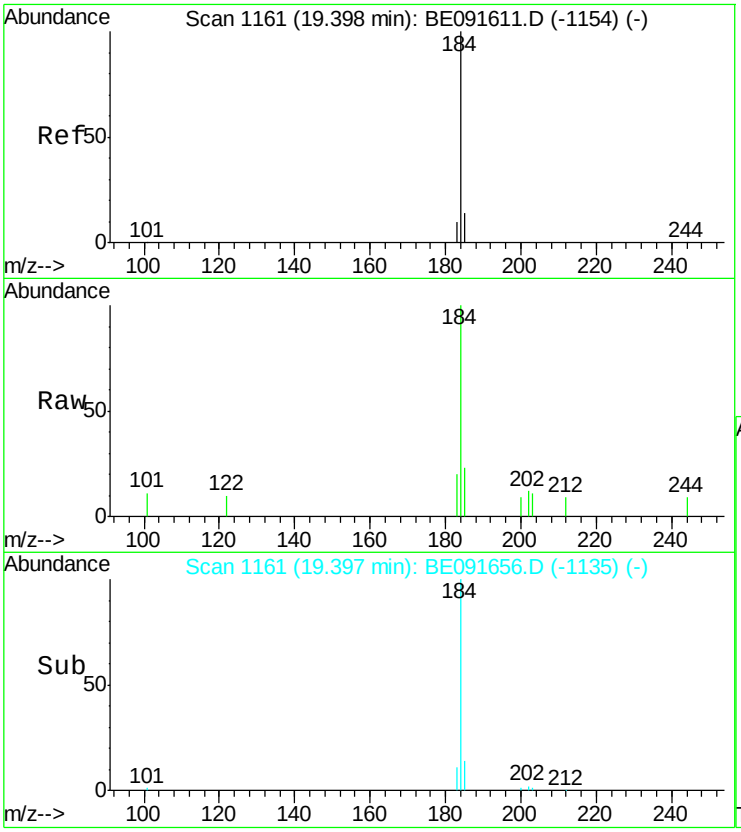


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:240 Resp: 282200

Ion	Ratio	Lower	Upper
240	100		
120	1.3	11.0	16.4#
236	23.4	21.7	32.5



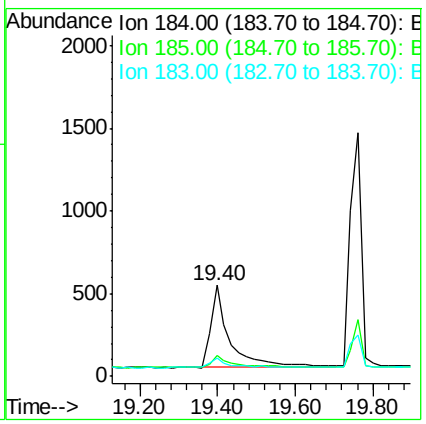


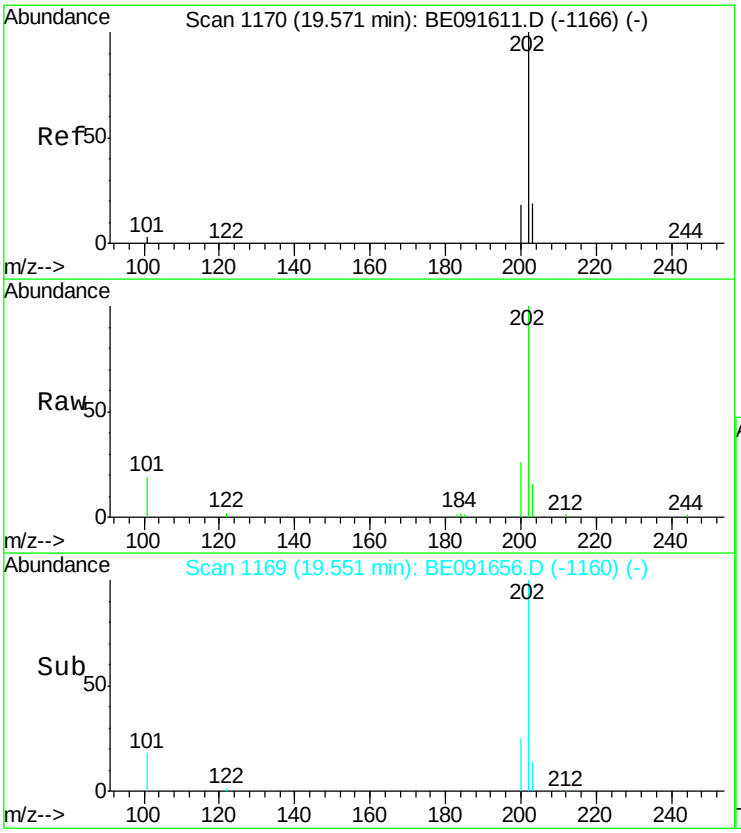
#27
Benzidine
Concen: 0.39 ng
RT: 19.40 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:184 Resp: 1756

Ion	Ratio	Lower	Upper
184	100		
185	22.9	22.3	33.5
183	19.6	16.4	24.6

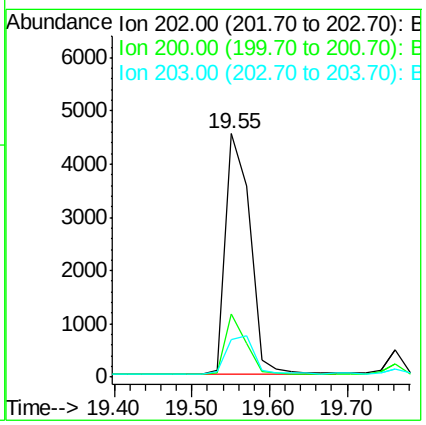


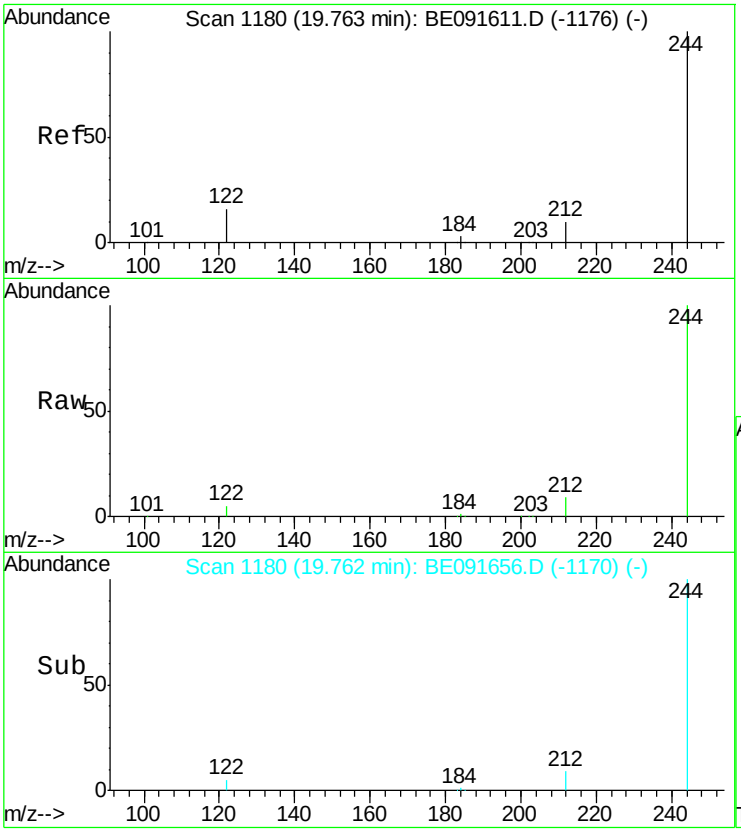


#28
Pyrene
Concen: 0.18 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:202 Resp: 9930

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.7	14.0	21.0



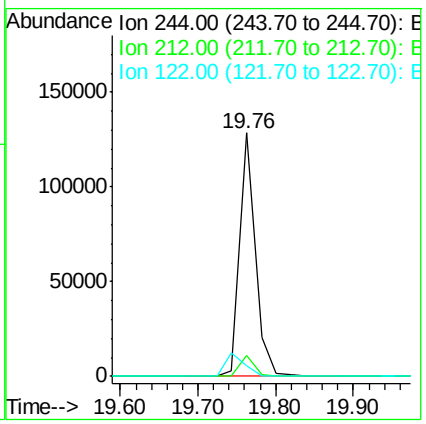


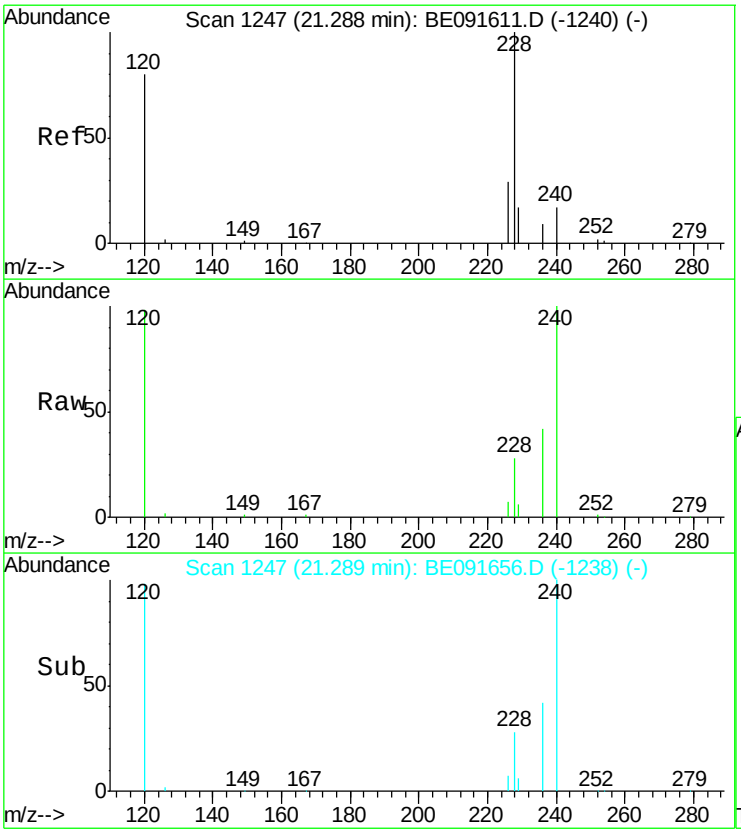
#29
Terphenyl-d14
Concen: 5.08 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:244 Resp: 179055

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	4.6	11.0	16.4#

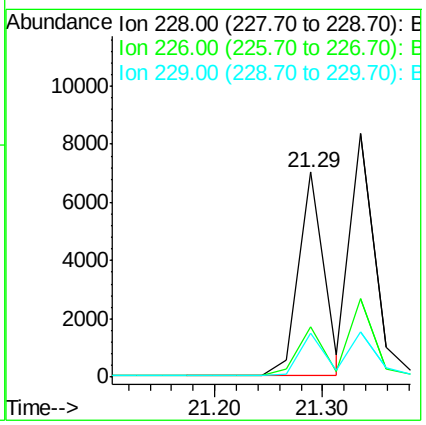


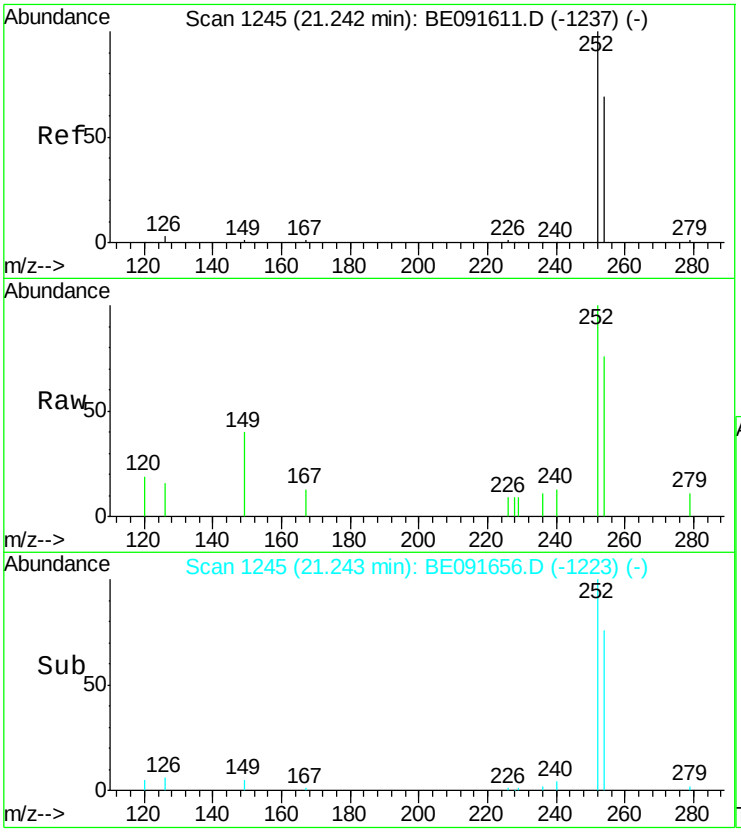


#30
Benzo(a)anthracene
Concen: 0.18 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:228 Resp: 11384

Ion	Ratio	Lower	Upper
228	100		
226	24.6	21.0	31.4
229	21.7	15.7	23.5



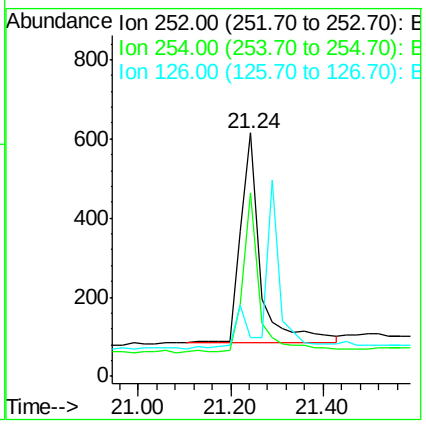


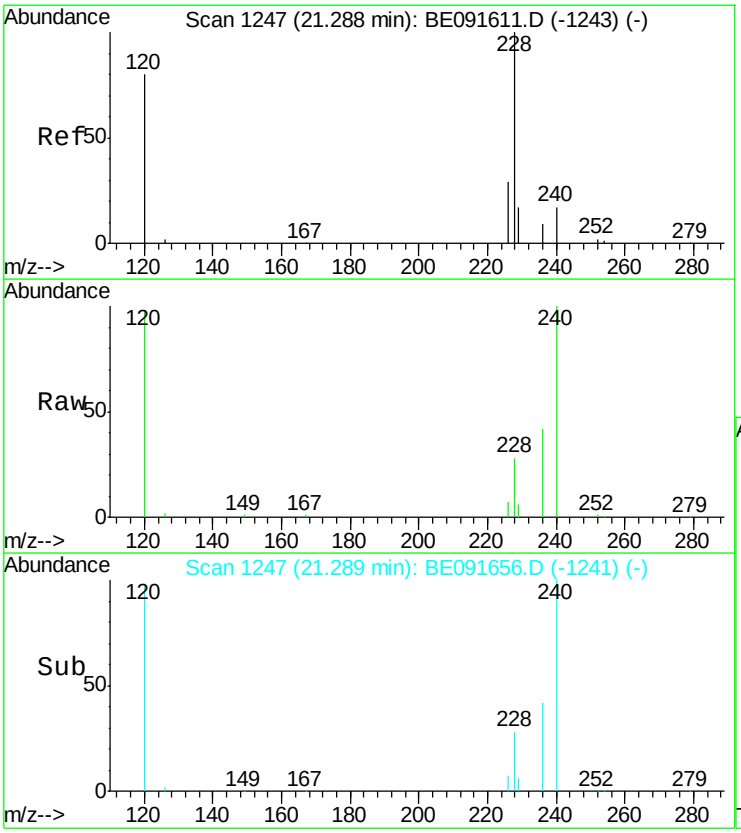
#31
3,3'-Dichlorobenzidine
Concen: 0.20 ng
RT: 21.24 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 1570

Ion	Ratio	Lower	Upper
252	100		
254	75.6	51.1	76.7
126	15.9	12.6	18.8

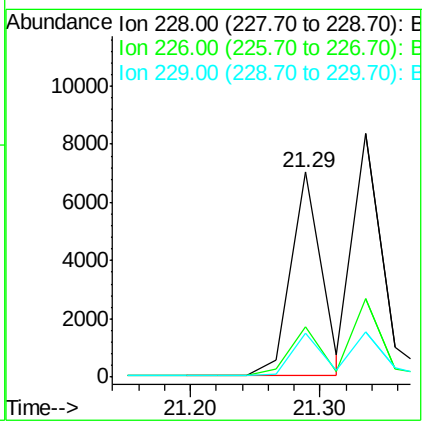


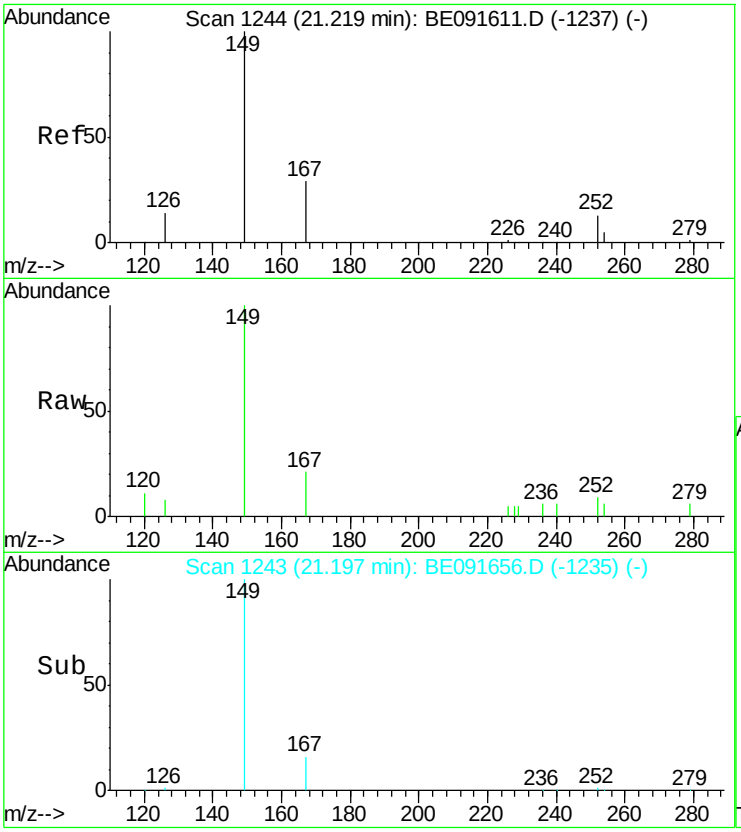


#32
Chrysene
Concen: 0.20 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.07 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:228 Resp: 11384

Ion	Ratio	Lower	Upper
228	100		
226	24.6	24.0	36.0
229	21.7	15.9	23.9



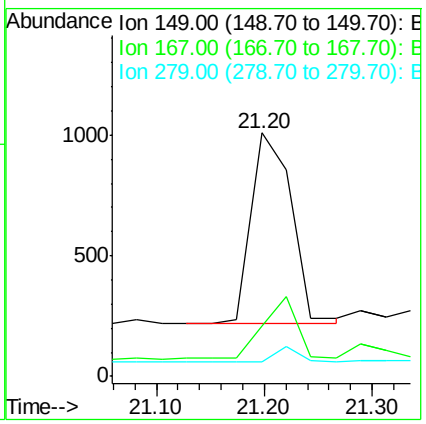


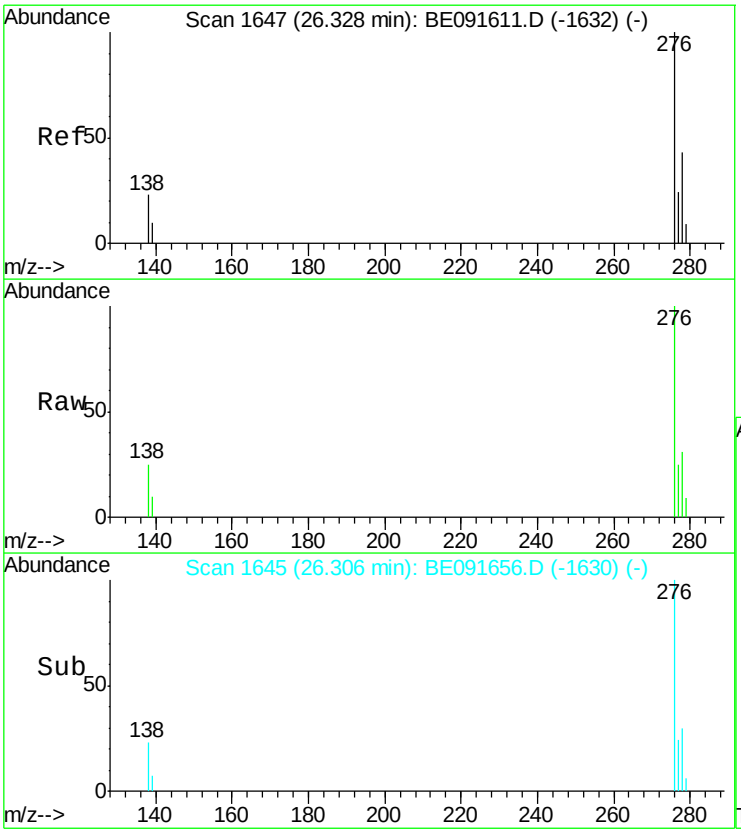
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.31 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:149 Resp: 2072

Ion	Ratio	Lower	Upper
149	100		
167	0.0	19.5	29.3#
279	0.0	10.0	15.0#

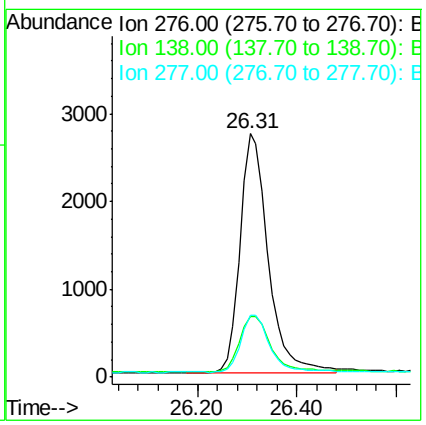


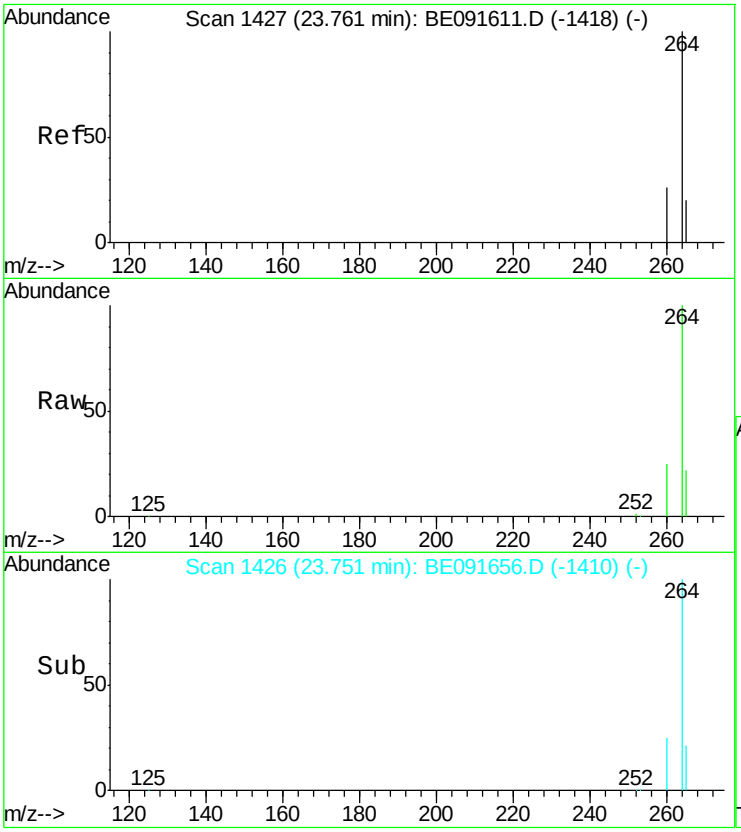


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng
RT: 26.31 min Scan# 1645
Delta R.T. -0.02 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:276 Resp: 10795

Ion	Ratio	Lower	Upper
276	100		
138	25.8	23.4	35.2
277	24.8	19.8	29.8



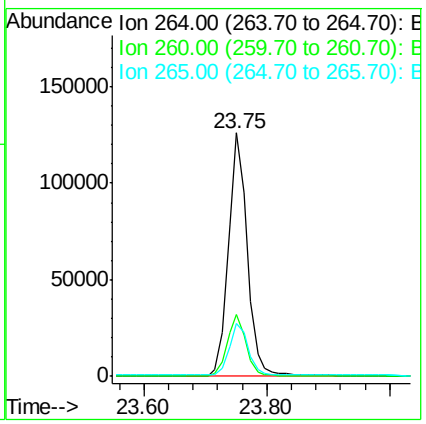


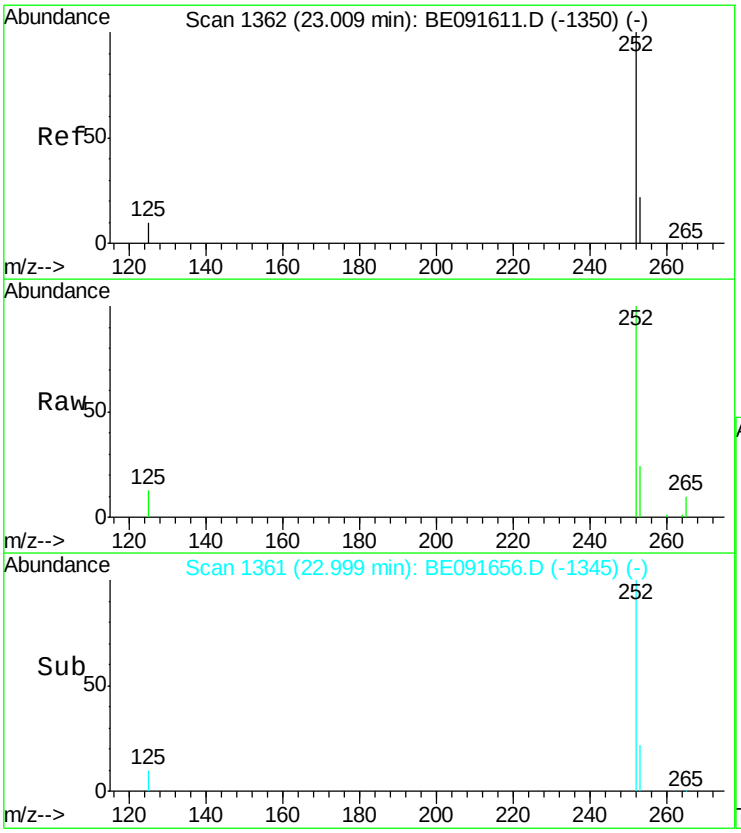
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:264 Resp: 270314

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.0	30.0
265	21.7	17.5	26.3

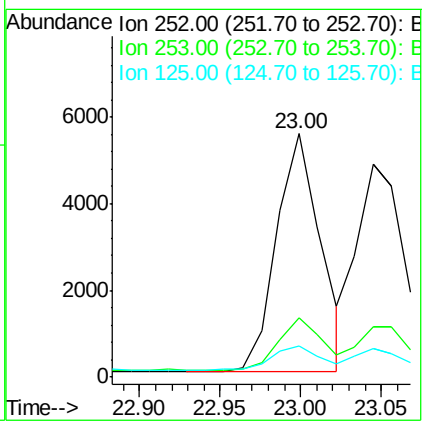


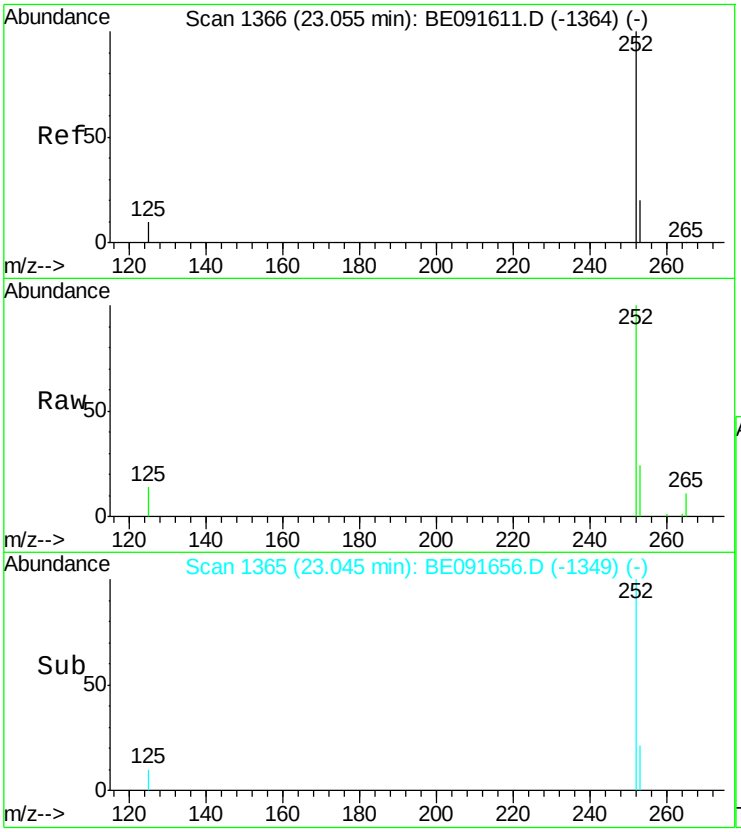


#36
Benzo(b)fluoranthene
Concen: 0.17 ng
RT: 23.00 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:252 Resp: 10503

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	12.6	10.2	15.2



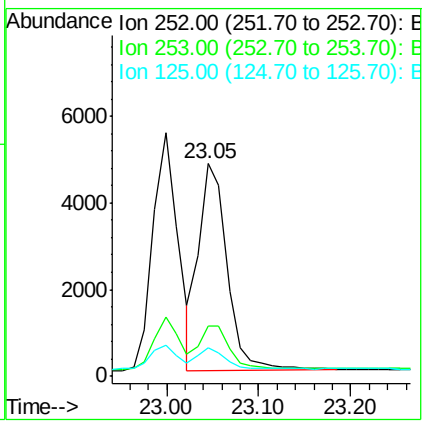


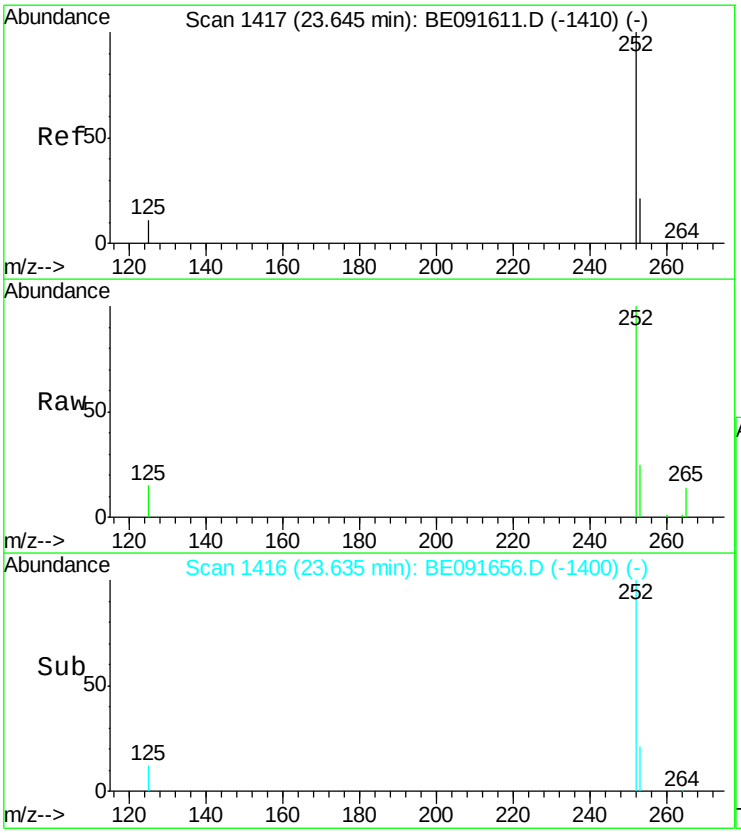
#37
Benzo(k)fluoranthene
Concen: 0.16 ng
RT: 23.05 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 10209

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	13.7	9.9	14.9

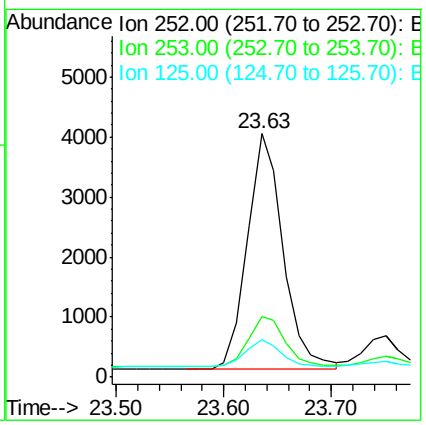


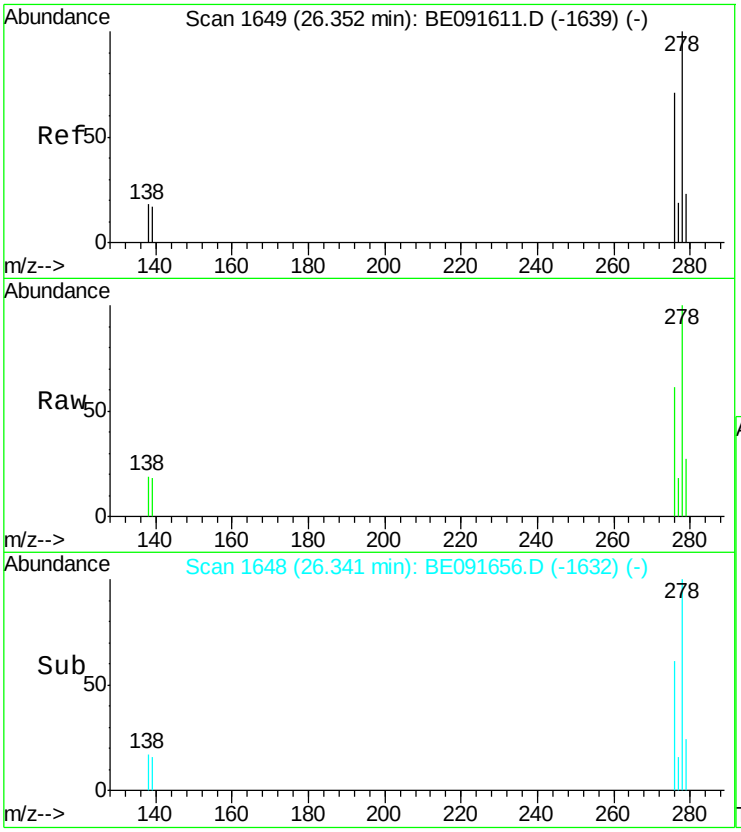


#38
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.63 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:252 Resp: 9080

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	15.5	11.0	16.4



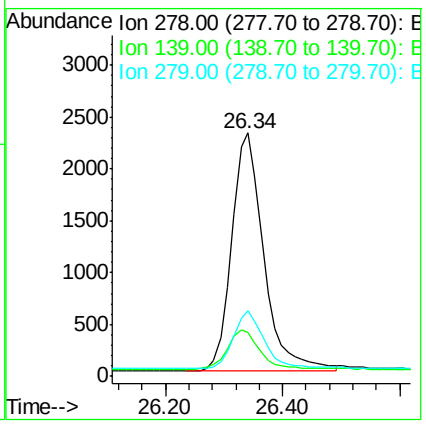


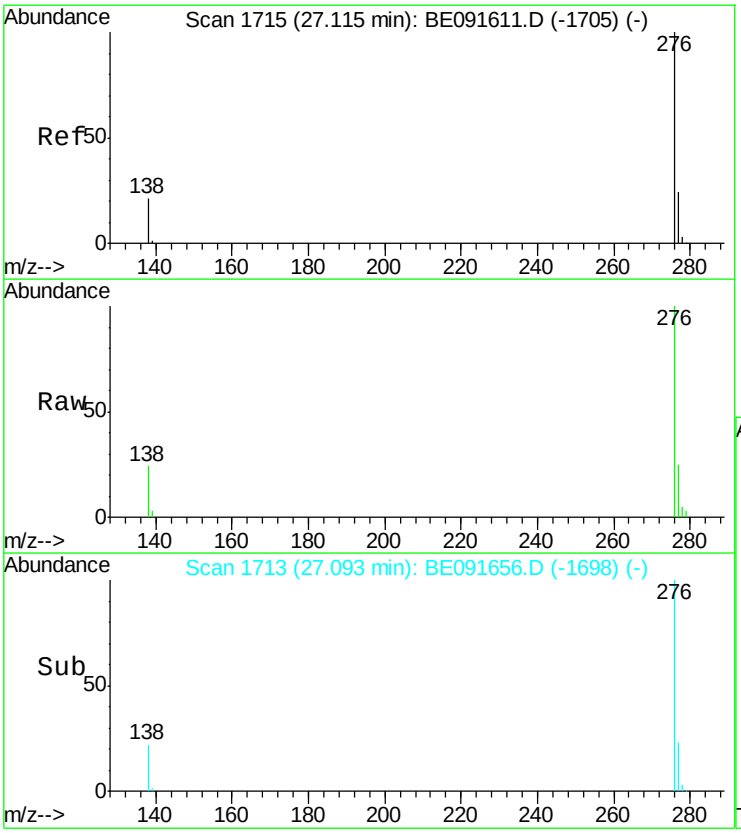
#39
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 26.34 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:278 Resp: 8710

Ion	Ratio	Lower	Upper
278	100		
139	17.9	16.0	24.0
279	26.9	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 0.16 ng
RT: 27.09 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE091656.D
Acq: 13 Apr 2016 14:20

Tgt Ion:276 Resp: 9432

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	24.2	20.4	30.6