Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
Data File : BE091621.D
Acq On : 11 Apr 2016 10:41
Operator : UM/SJ
Sample : H1824-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-SOIL2016-01

Quant Time: Apr 12 01:44:02 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	7.82	152	47867	5.00	ng		0.00
7) Naphthalene-d8	10.59	136	225618	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	135484	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	344054	5.00	ng		0.00
26) Chrysene-d12	21.31	240	430180	5.00	ng		0.00
35) Perylene-d12	23.76	264	369422	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	80372	7.04	ng		0.00
5) Phenol-d6	6.97	99	114416	7.51	ng		0.00
8) Nitrobenzene-d5	8.96	82	45072	3.44	ng		0.00
14) 2,4,6-Tribromophenol	15.91	330	31912	6.48	ng		0.00
15) 2-Fluorobiphenyl	13.05	172	149955	3.98	ng		0.00
29) Terphenyl-d14	19.76	244	233120	4.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	693	0.05	ng	#	74
3) n-Nitrosodimethylamine	3.66	42	453	0.06	ng	#	94
6) bis(2-Chloroethyl)ether	7.23	93	1049	0.08	ng	#	79
9) Nitrobenzene	9.00	77	1248	0.25	ng	#	91
10) Naphthalene	10.63	128	3984	0.09	ng		96
11) Hexachlorobutadiene	10.92	225	1018	0.15	ng	#	78
12) 2-Methylnaphthalene	12.25	142	2534	0.09	ng		98
16) Acenaphthylene	14.13	152	4537	0.09	ng	#	43
17) Acenaphthene	14.49	154	2757	0.08	ng		86
18) Fluorene	15.47	166	3347	0.08	ng		100
20) 4-Bromophenyl-phenylether	16.34	248	973	0.08	ng		93
21) Hexachlorobenzene	16.46	284	1117	0.09	ng		98
22) Pentachlorophenol	16.81	266	270	0.26	ng		96
23) Phenanthrene	17.19	178	7368	0.09	ng		97
24) Anthracene	17.29	178	5758	0.08	ng		99
25) Fluoranthene	19.21	202	6831	0.08	ng	#	95
27) Benzidine	19.40	184	1467	0.36	ng		94
28) Pyrene	19.57	202	7022	0.08	ng		99
30) Benzo(a)anthracene	21.29	228	18119	0.19	ng		98
31) 3,3'-Dichlorobenzidine	21.24	252	1273	0.18	ng		94
32) Chrysene	21.29	228	18304	0.21	ng		98
33) Bis(2-ethylhexyl)phthalate	21.22	149	1765	0.29	ng	#	81
34) Indeno(1,2,3-cd)pyrene	26.32	276	8632	0.09	ng		96
36) Benzo(b)fluoranthene	23.00	252	8648	0.10	ng	#	92
37) Benzo(k)fluoranthene	23.06	252	6980	0.08	ng	#	91
38) Benzo(a)pyrene	23.65	252	7198	0.09	ng	#	85
39) Dibenzo(a,h)anthracene	26.35	278	6925	0.09	ng		95
40) Benzo(g,h,i)perylene	27.10	276	7303	0.09	ng		98

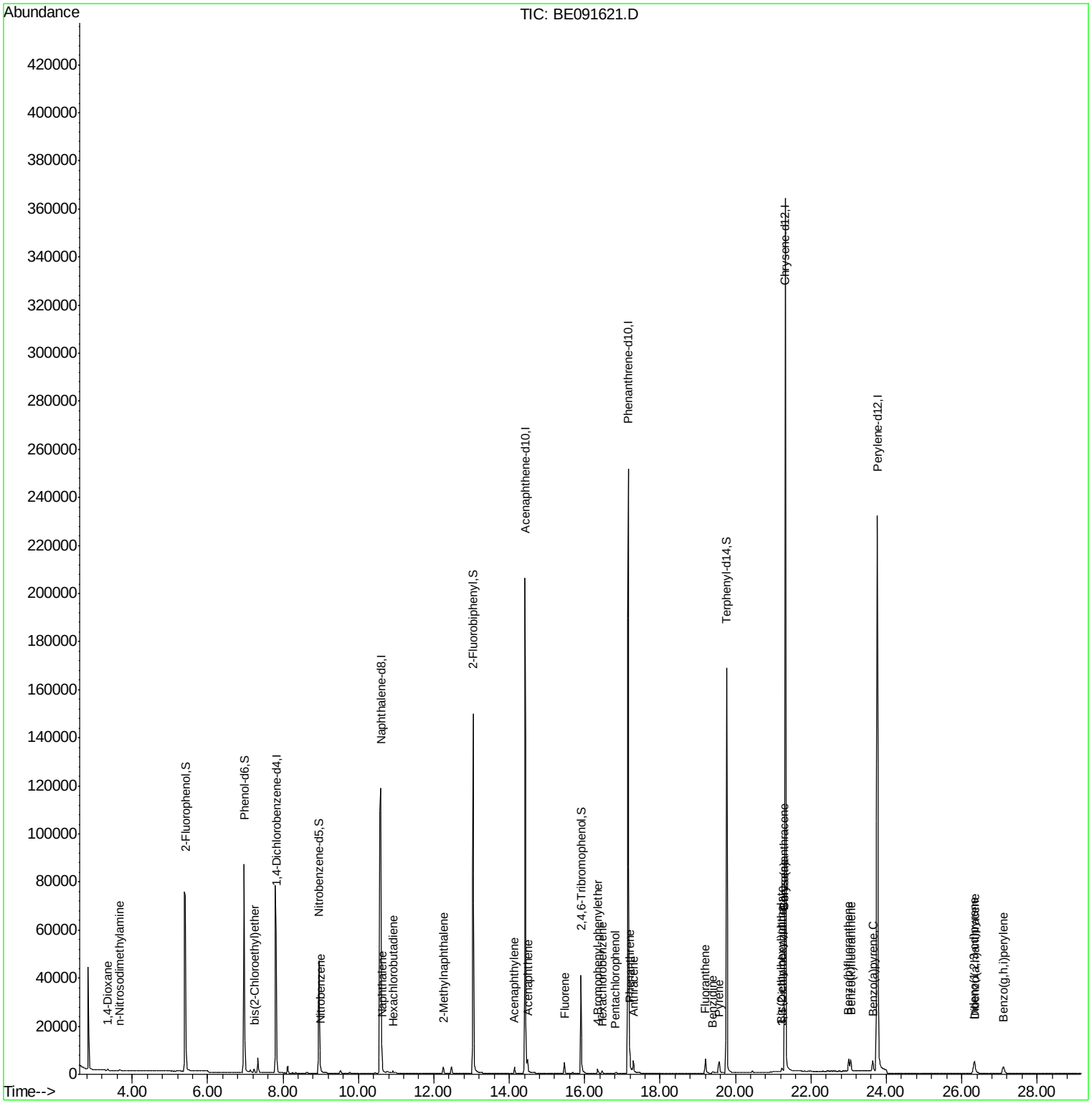
(#) = qualifier out of range (m) = manual integration (+) = signals summed

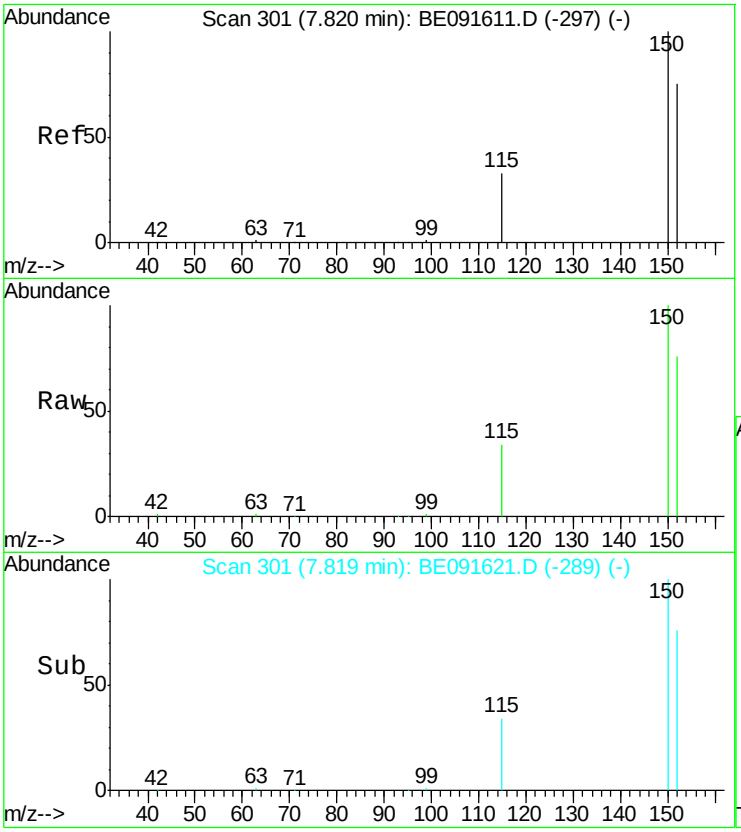
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
Data File : BE091621.D
Acq On : 11 Apr 2016 10:41
Operator : UM/SJ
Sample : H1824-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Quant Time: Apr 12 01:44:02 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



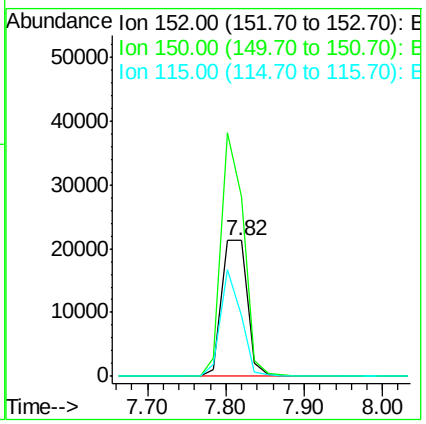


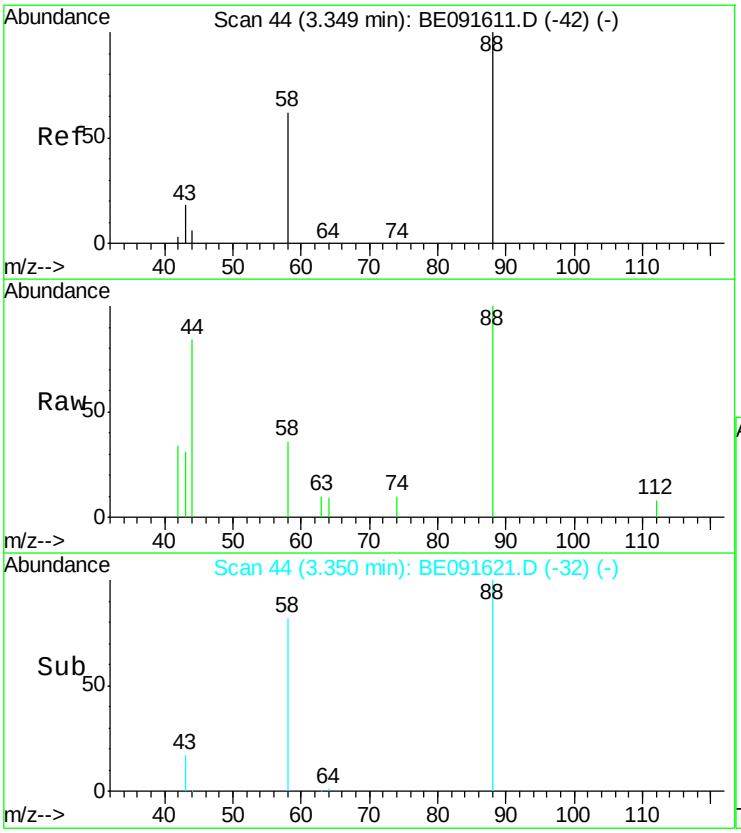
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:152 Resp: 47867

Ion	Ratio	Lower	Upper
152	100		
150	131.6	122.6	183.8
115	44.8	52.8	79.2#

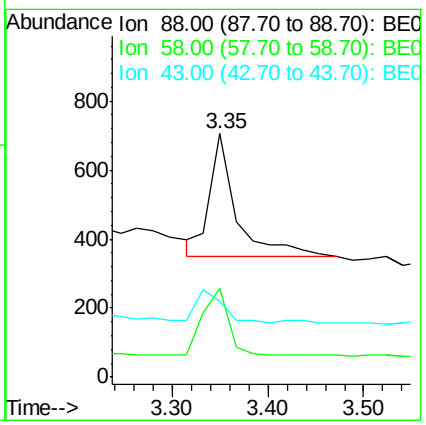


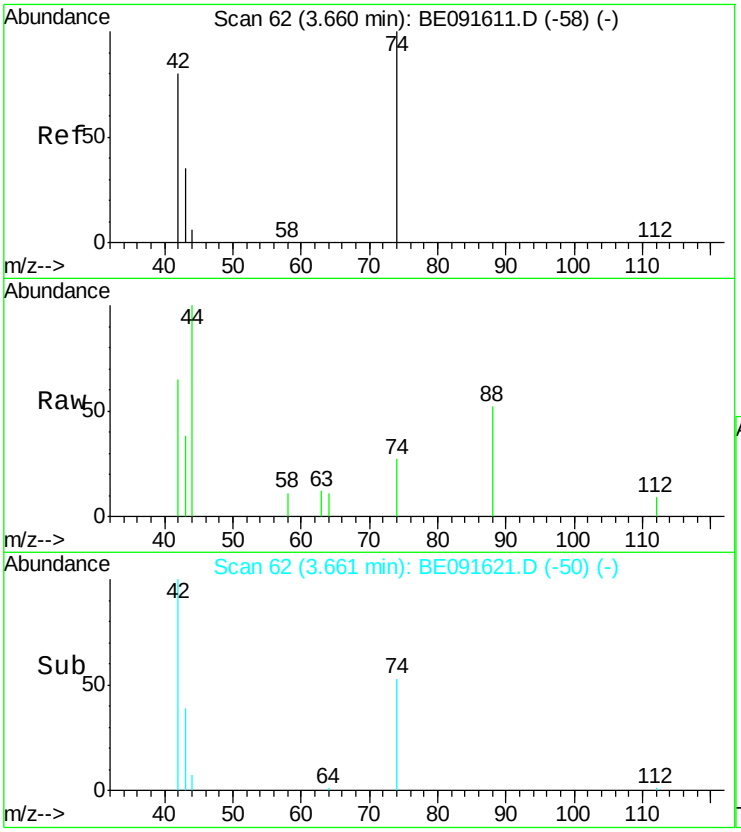


#2
1,4-Dioxane
Concen: 0.05 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion: 88 Resp: 693

Ion	Ratio	Lower	Upper
88	100		
58	53.5	65.8	98.6#
43	26.1	25.3	37.9



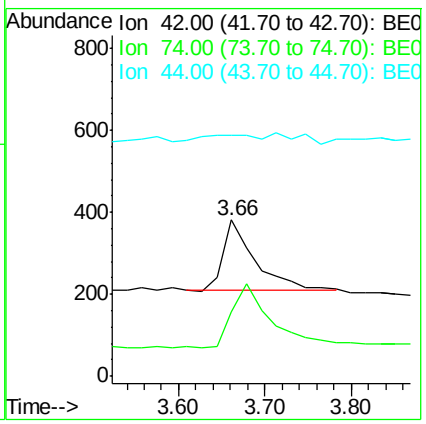


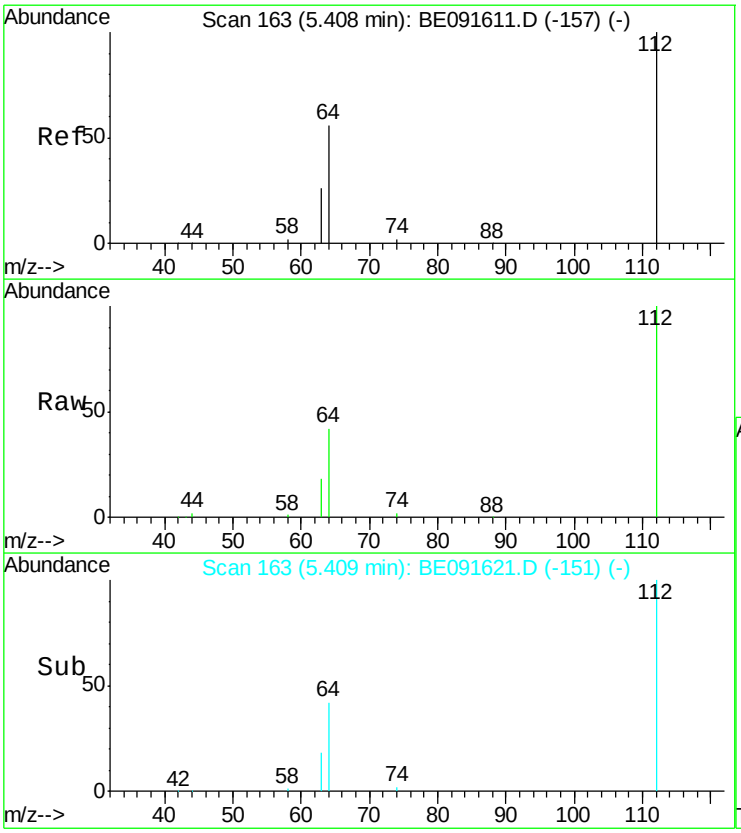
#3
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.66 min Scan# 62
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 42 Resp: 453

Ion	Ratio	Lower	Upper
42	100		
74	114.3	87.9	131.9
44	20.5	6.6	9.8#

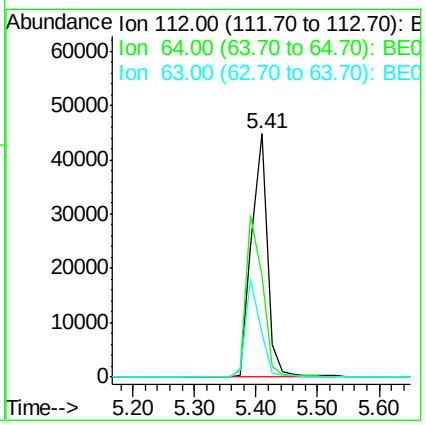


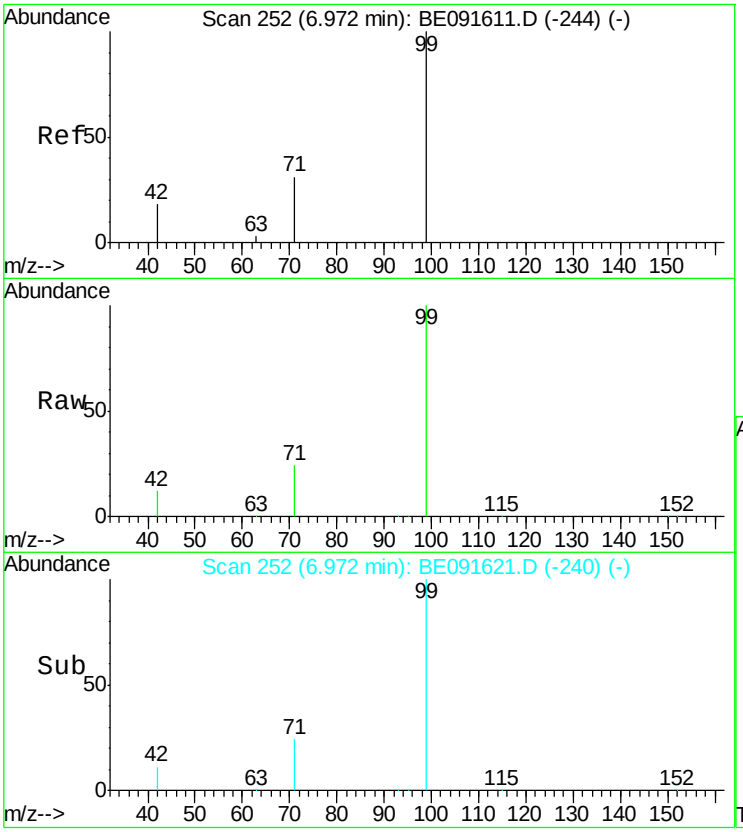


#4
2-Fluorophenol
Concen: 7.04 ng
RT: 5.41 min Scan# 163
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:112 Resp: 80372

Ion	Ratio	Lower	Upper
112	100		
64	68.7	30.9	46.3#
63	37.2	16.7	25.1#



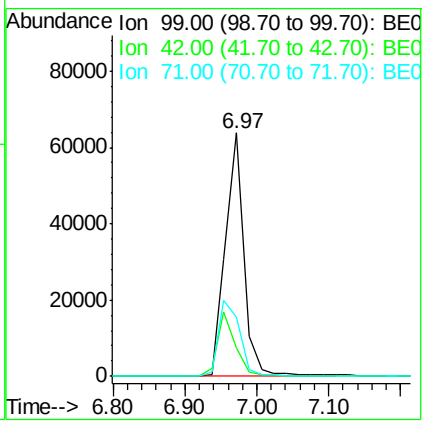


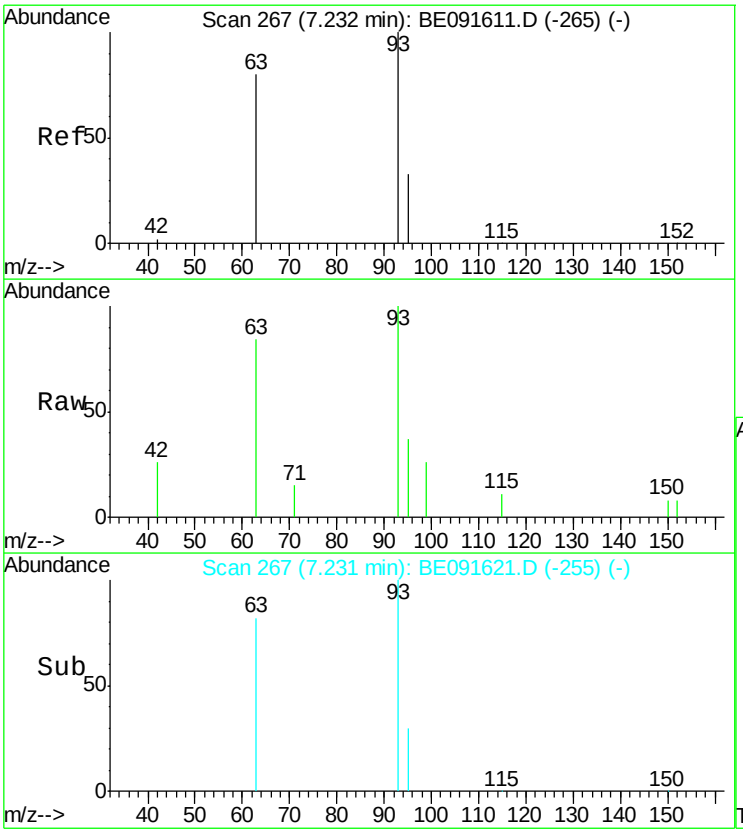
#5
Phenol-d6
Concen: 7.51 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 99 Resp: 114416

Ion	Ratio	Lower	Upper
99	100		
42	25.3	16.2	24.2#
71	35.9	29.0	43.4

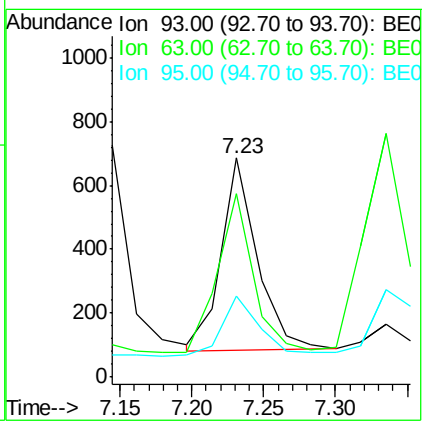


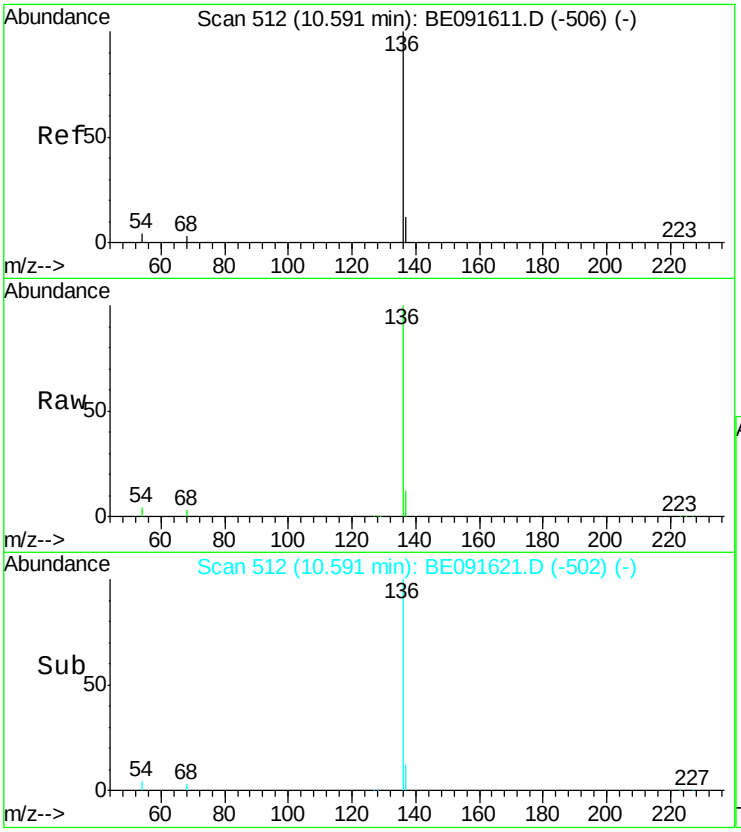


#6
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 7.23 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion: 93 Resp: 1049

Ion	Ratio	Lower	Upper
93	100		
63	82.5	49.5	74.3#
95	32.7	22.2	33.4



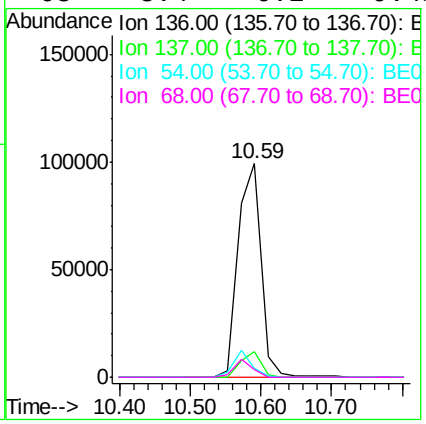


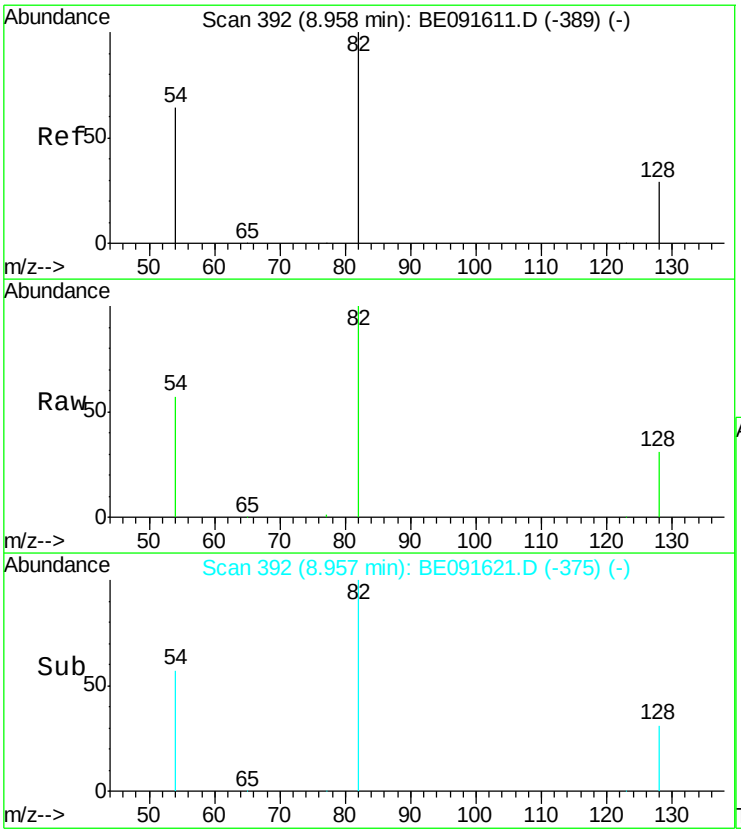
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:136 Resp: 225618

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	4.2	8.2	12.4#
68	3.4	6.2	9.4#

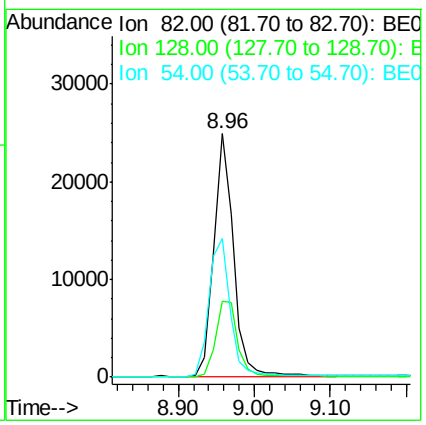


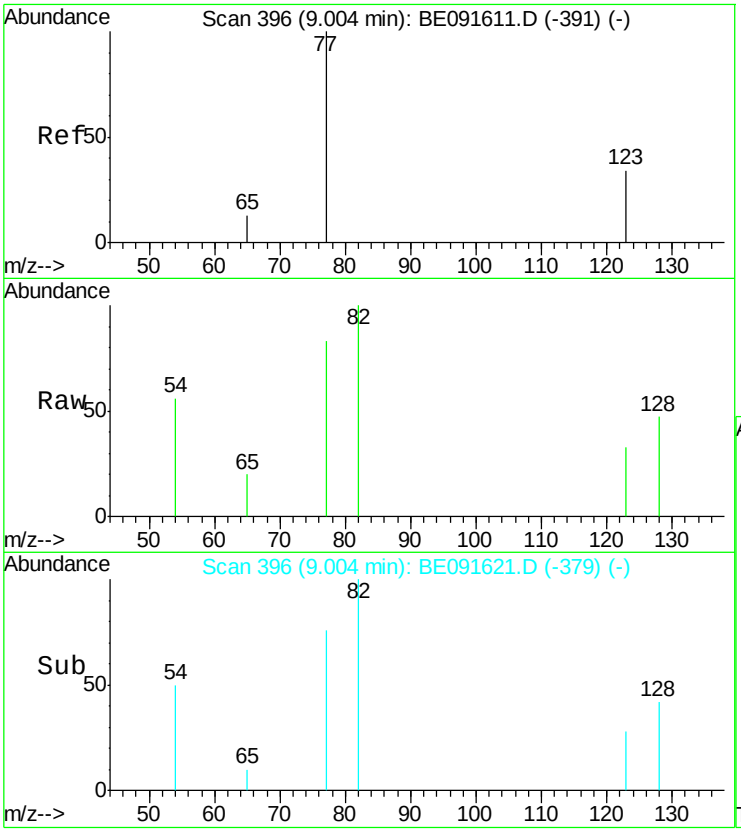


#8
Nitrobenzene-d5
Concen: 3.44 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion: 82 Resp: 45072

Ion	Ratio	Lower	Upper
82	100		
128	31.3	25.4	38.0
54	56.8	48.4	72.6



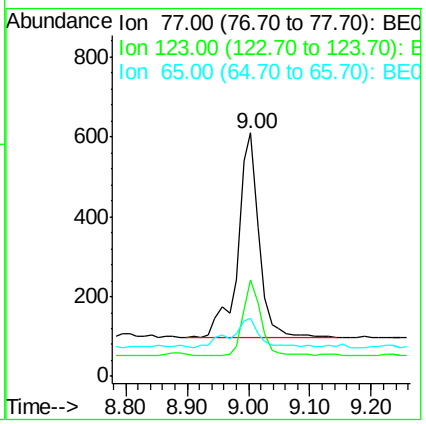


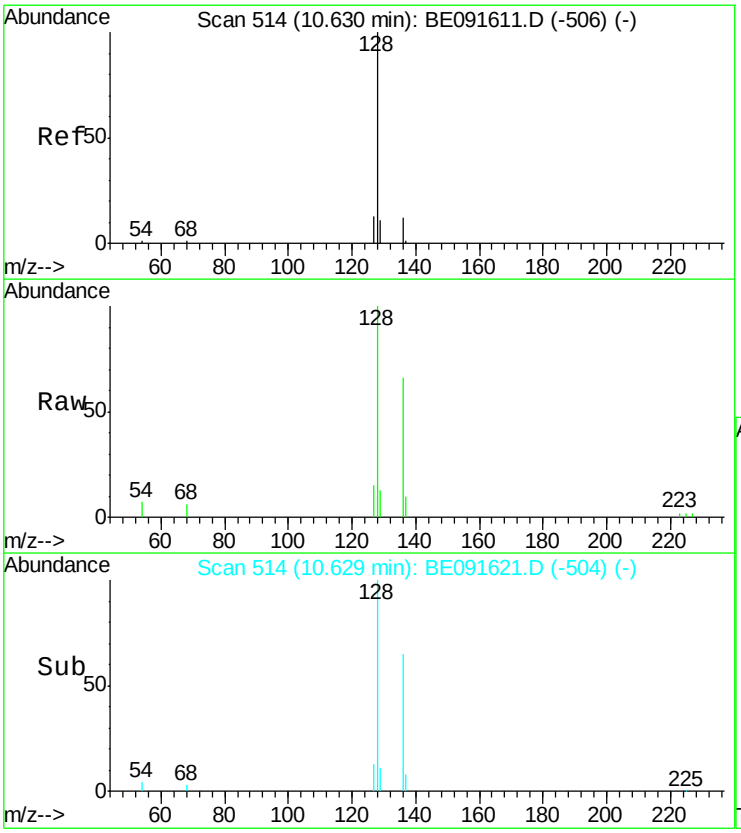
#9
Nitrobenzene
Concen: 0.25 ng
RT: 9.00 min Scan# 396
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 77 Resp: 1248

Ion	Ratio	Lower	Upper
77	100		
123	31.1	26.9	40.3
65	19.7	9.4	14.2#

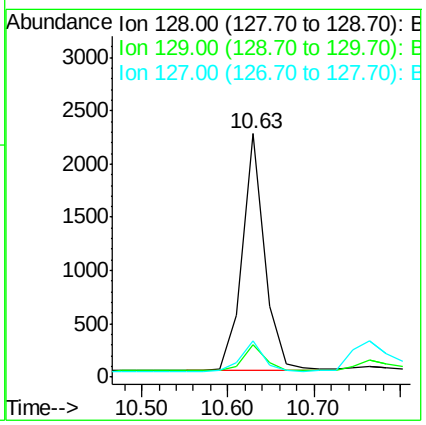


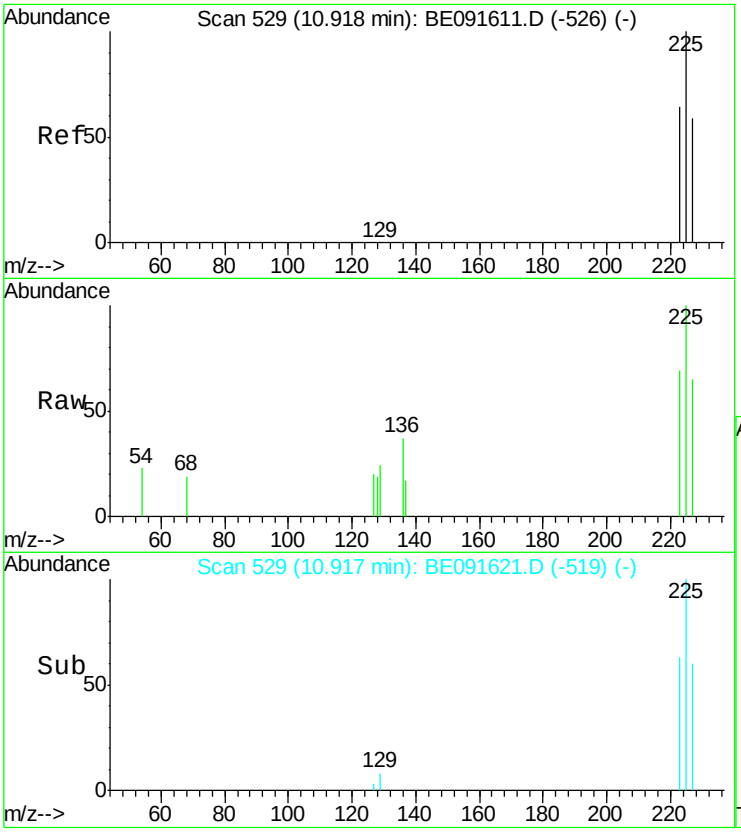


#10
Naphthalene
Concen: 0.09 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:128 Resp: 3984

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.3	13.9
127	14.7	10.7	16.1



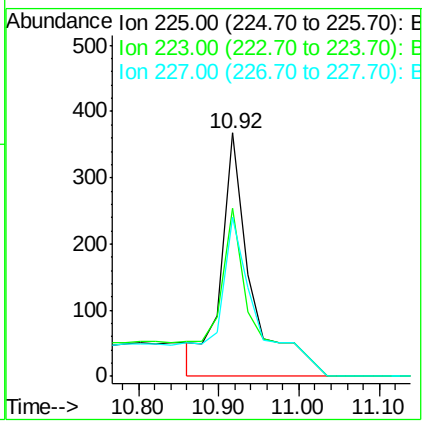


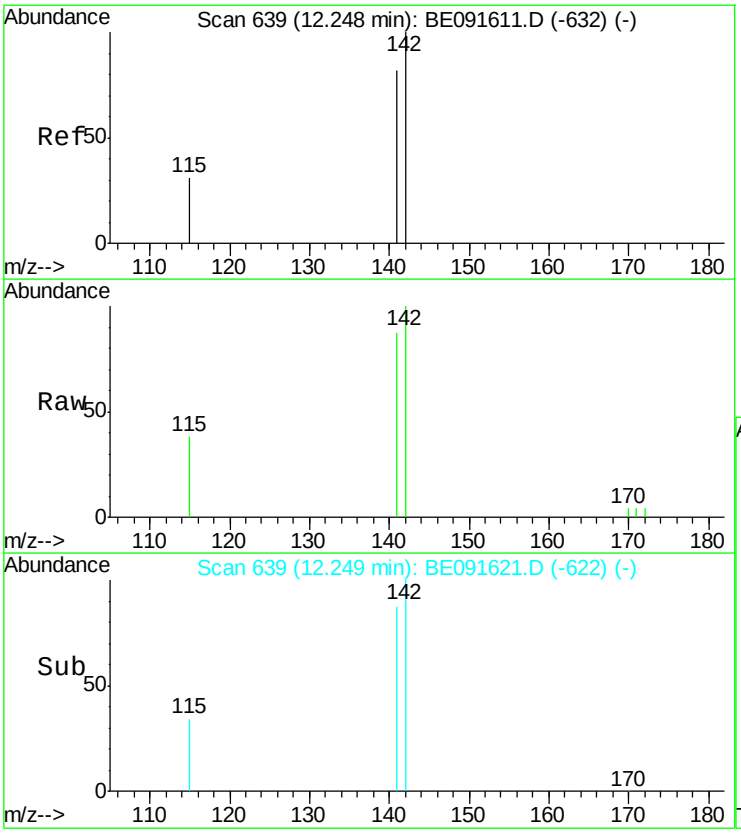
#11
Hexachlorobutadiene
Concen: 0.15 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:225 Resp: 1018

Ion	Ratio	Lower	Upper
225	100		
223	85.3	49.0	73.6#
227	73.5	50.3	75.5

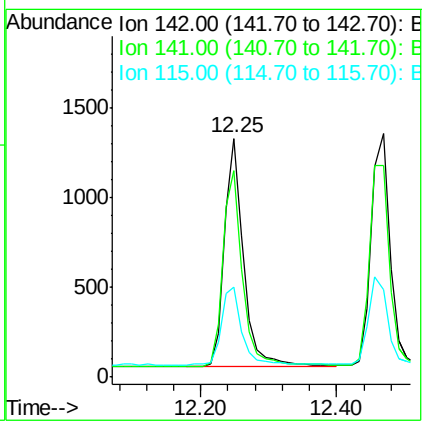


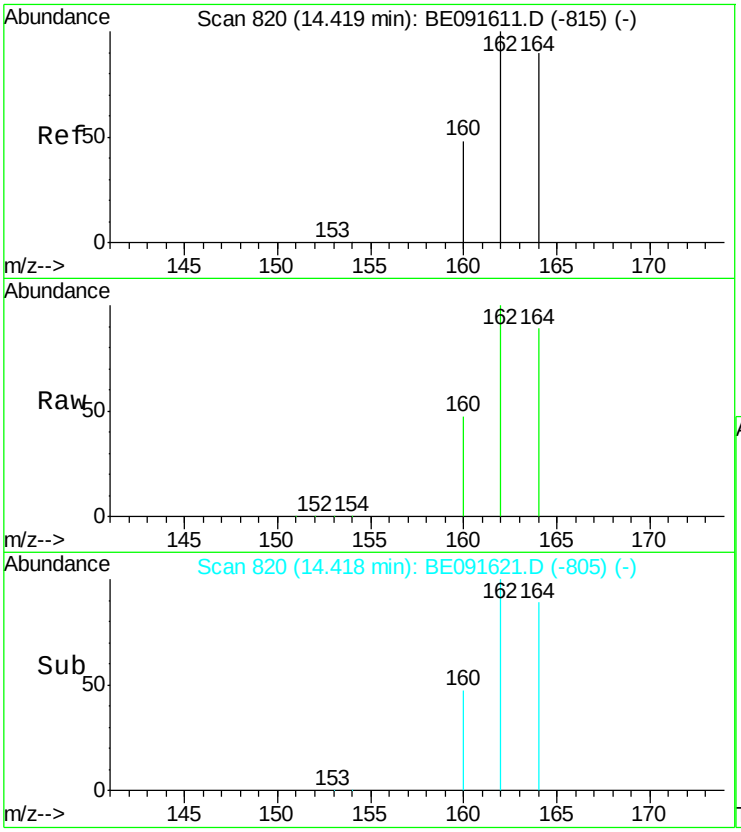


#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.25 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:142 Resp: 2534

Ion	Ratio	Lower	Upper
142	100		
141	86.7	71.4	107.0
115	37.5	30.3	45.5



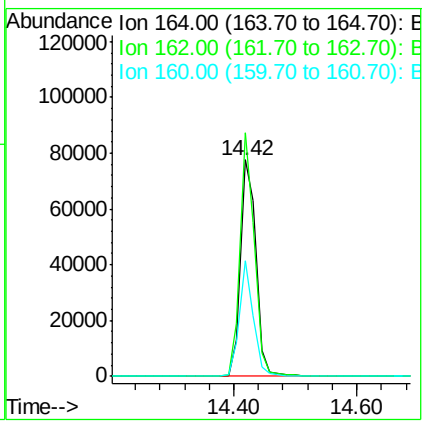


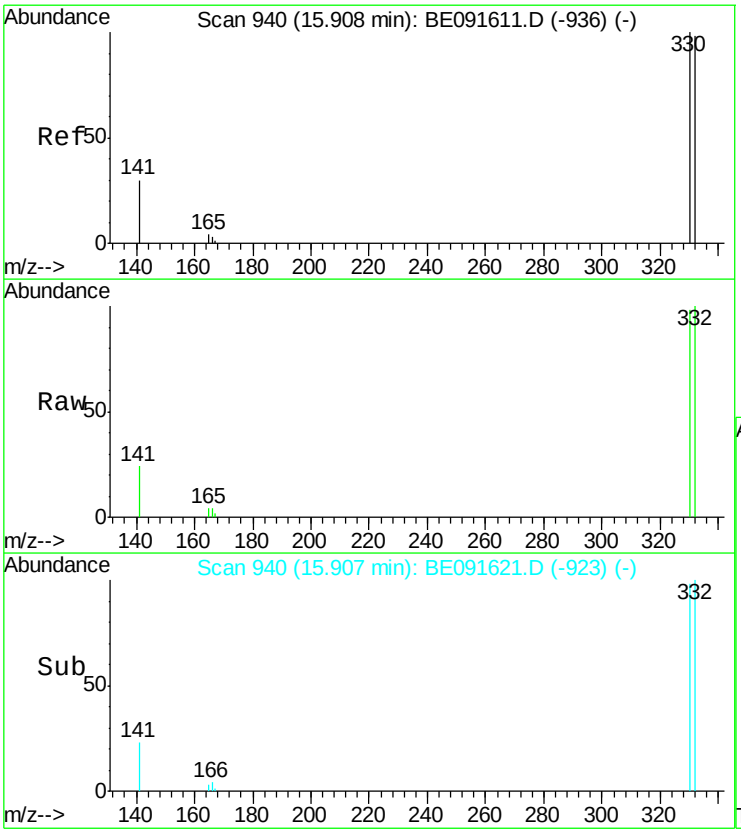
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:164 Resp: 135484

Ion	Ratio	Lower	Upper
164	100		
162	112.7	85.3	127.9
160	53.3	46.2	69.2

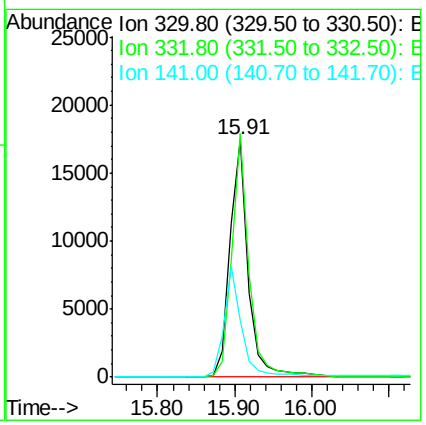


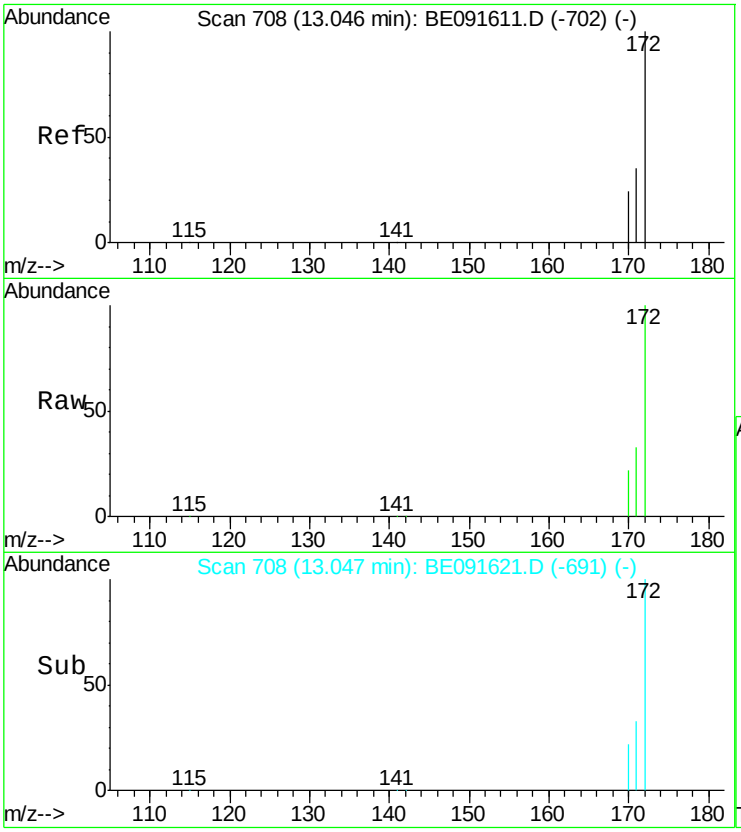


#14
2,4,6-Tribromophenol
Concen: 6.48 ng
RT: 15.91 min Scan# 940
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:330 Resp: 31912

Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	43.1	125.4	188.0#



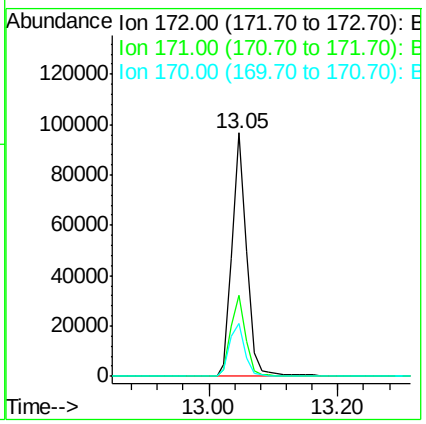


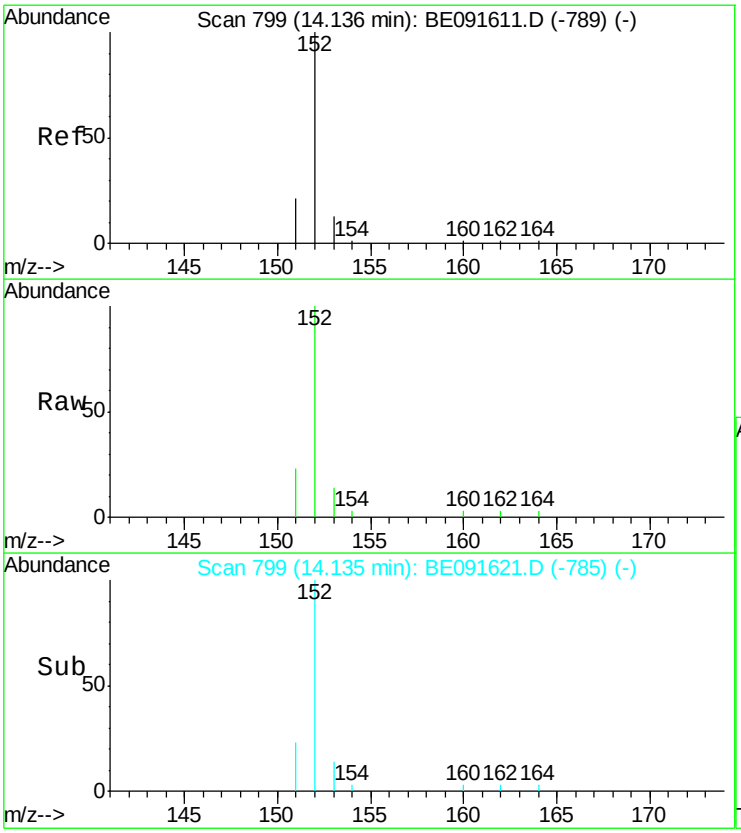
#15
2-Fluorobiphenyl
Concen: 3.98 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:172 Resp: 149955

Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.8	43.2
170	21.6	19.3	28.9

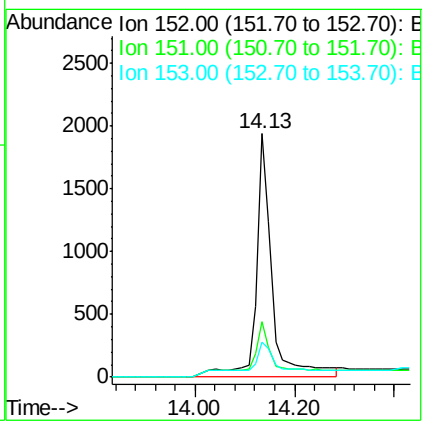


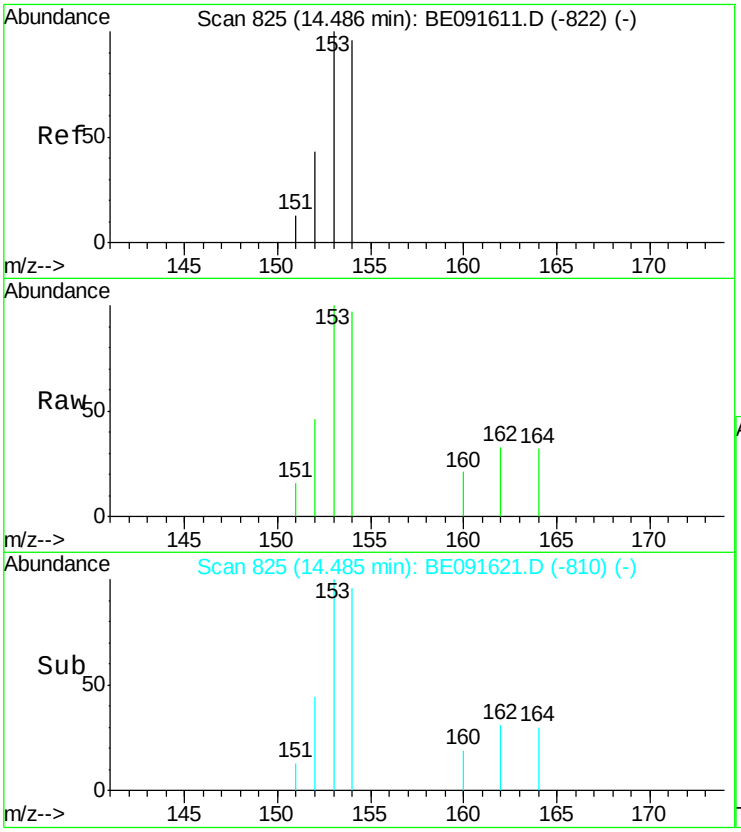


#16
Acenaphthylene
Concen: 0.09 ng
RT: 14.13 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:152 Resp: 4537

Ion	Ratio	Lower	Upper
152	100		
151	34.8	3.9	5.9#
153	30.5	10.3	15.5#



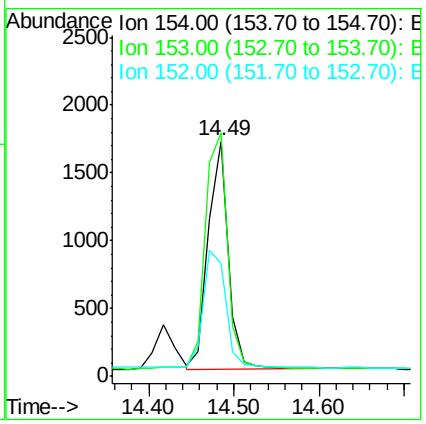


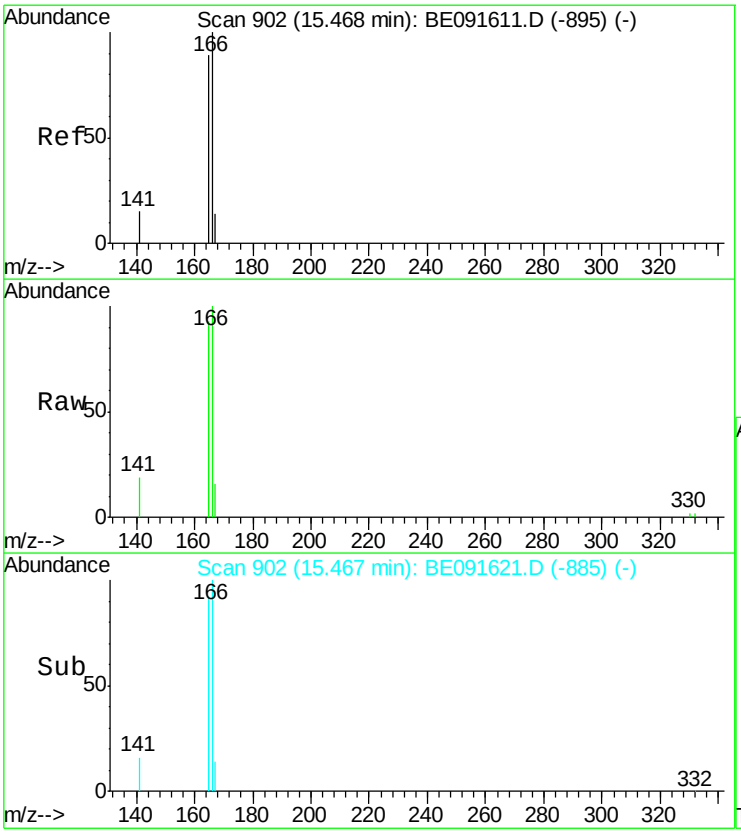
#17
Acenaphthene
Concen: 0.08 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:154 Resp: 2757

Ion	Ratio	Lower	Upper
154	100		
153	115.7	80.0	120.0
152	57.7	40.0	60.0

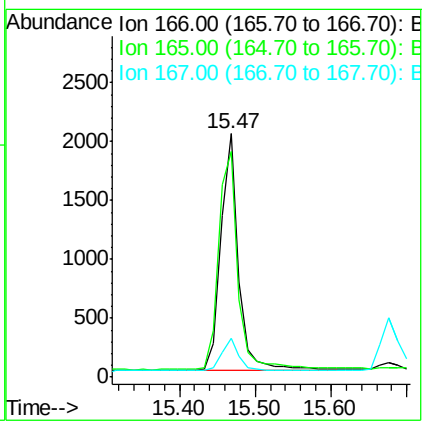


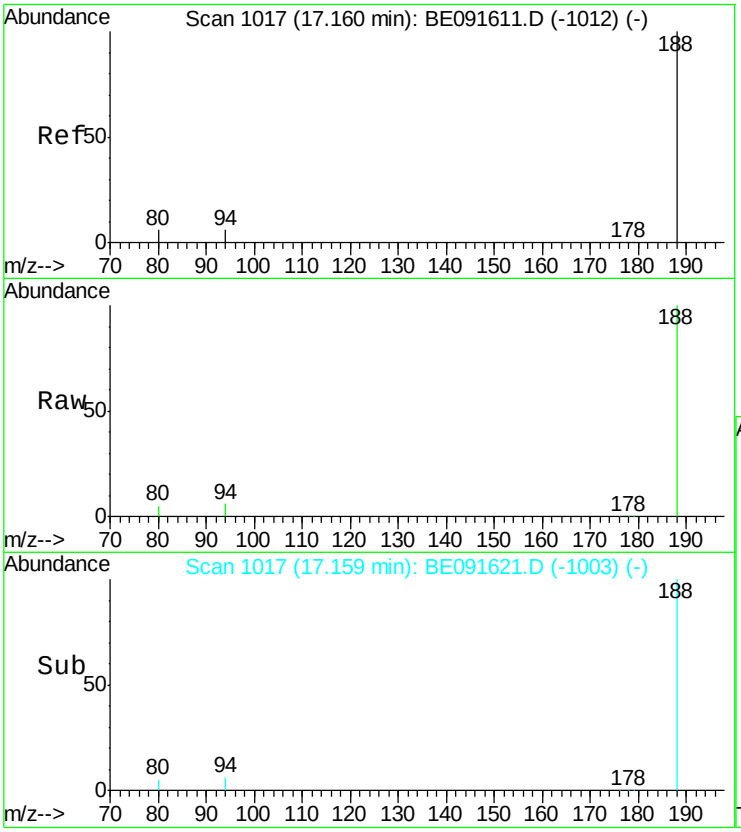


#18
Fluorene
Concen: 0.08 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:166 Resp: 3347

Ion	Ratio	Lower	Upper
166	100		
165	101.1	80.8	121.2
167	13.9	10.9	16.3



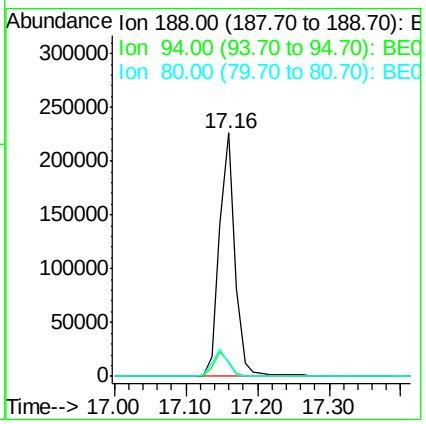


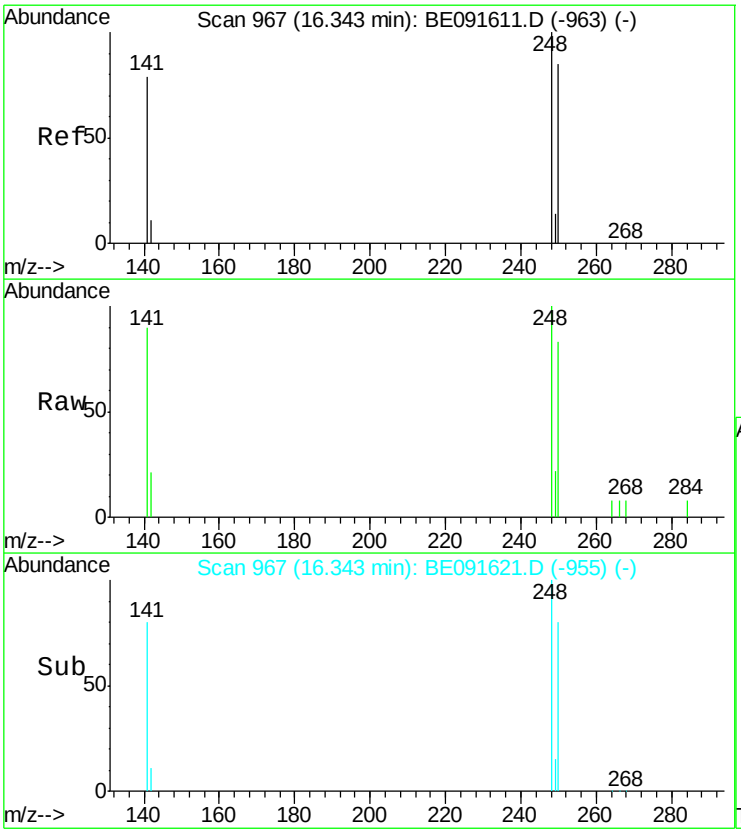
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:188 Resp: 344054

Ion	Ratio	Lower	Upper
188	100		
94	6.0	8.7	13.1#
80	5.2	9.4	14.0#

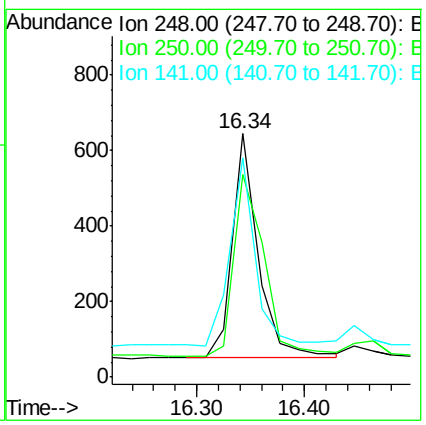


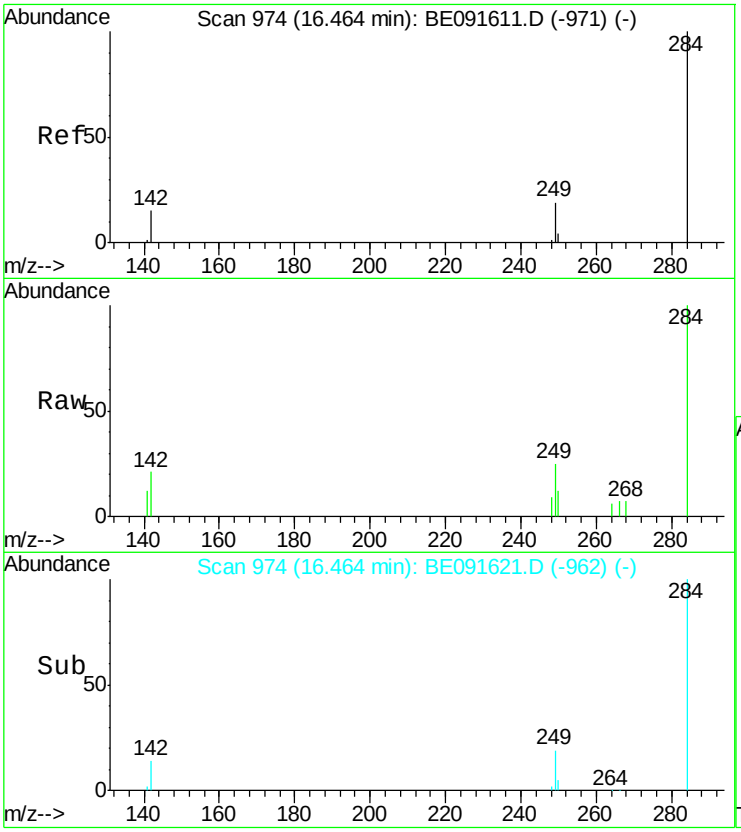


#20
4-Bromophenyl-phenylether
Concen: 0.08 ng
RT: 16.34 min Scan# 967
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:248 Resp: 973

Ion	Ratio	Lower	Upper
248	100		
250	95.0	80.5	120.7
141	81.4	72.0	108.0



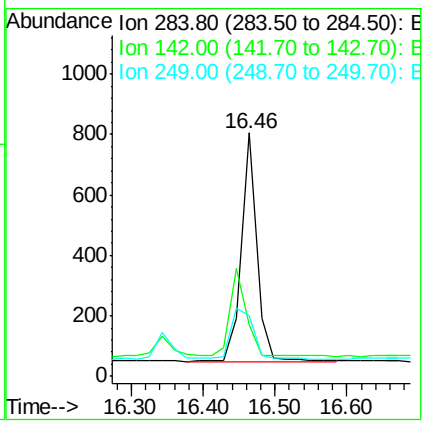


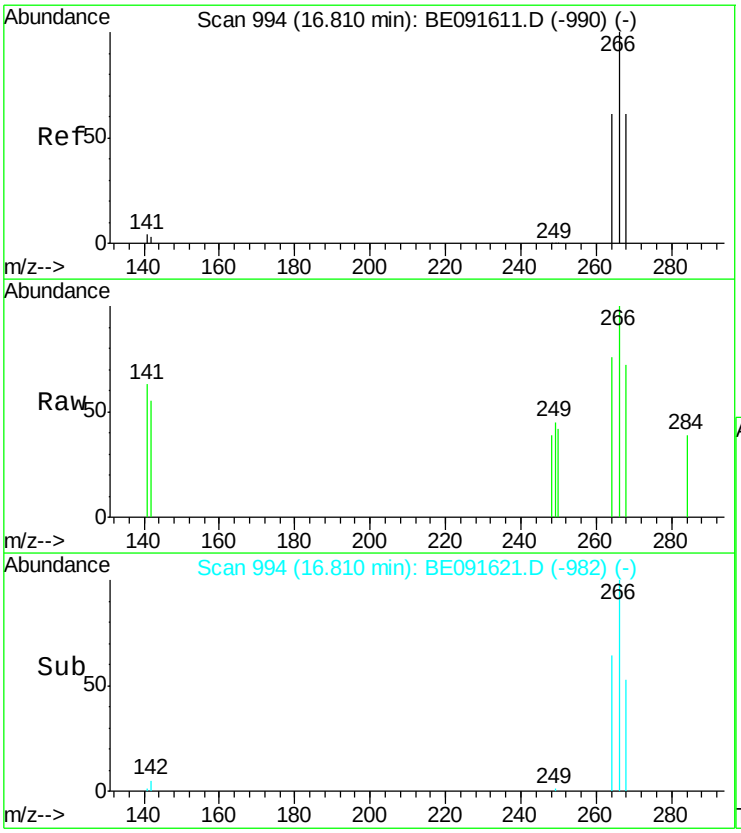
#21
Hexachlorobenzene
Concen: 0.09 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:284 Resp: 1117

Ion	Ratio	Lower	Upper
284	100		
142	39.2	32.2	48.2
249	32.9	25.4	38.2

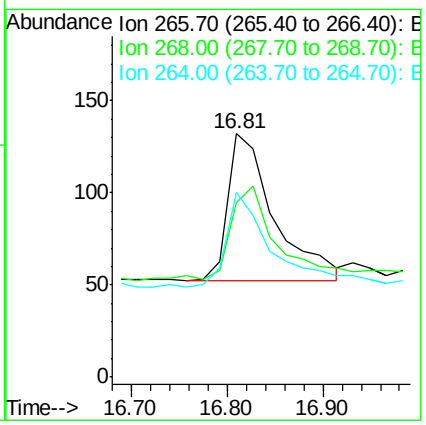


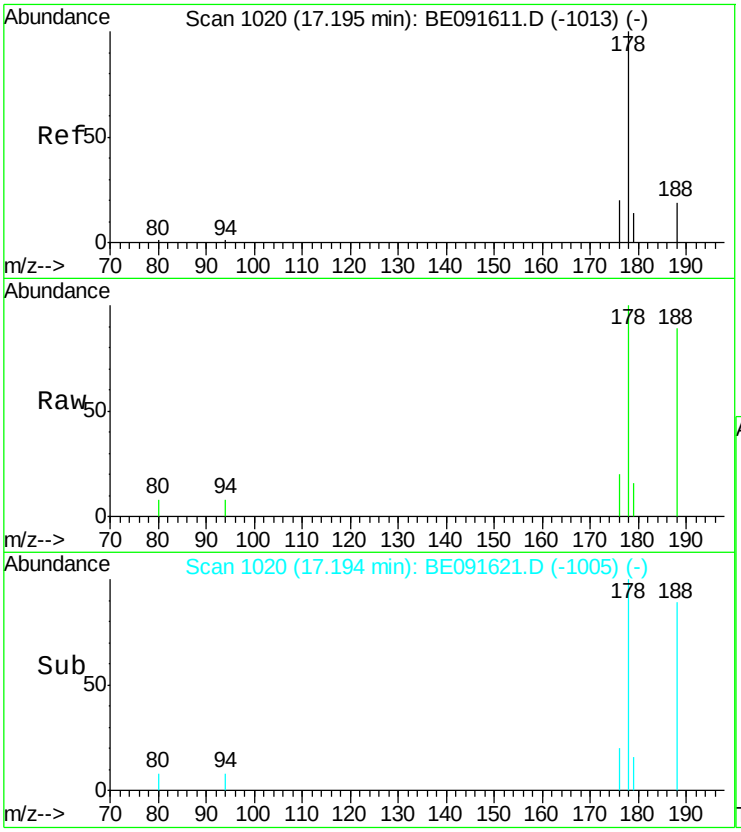


#22
Pentachlorophenol
Concen: 0.26 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:266 Resp: 270

Ion	Ratio	Lower	Upper
266	100		
268	72.0	58.2	87.2
264	75.8	56.2	84.4



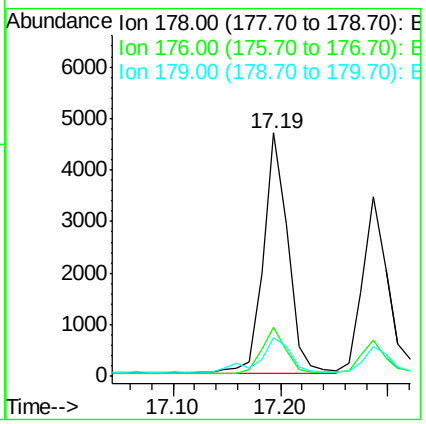


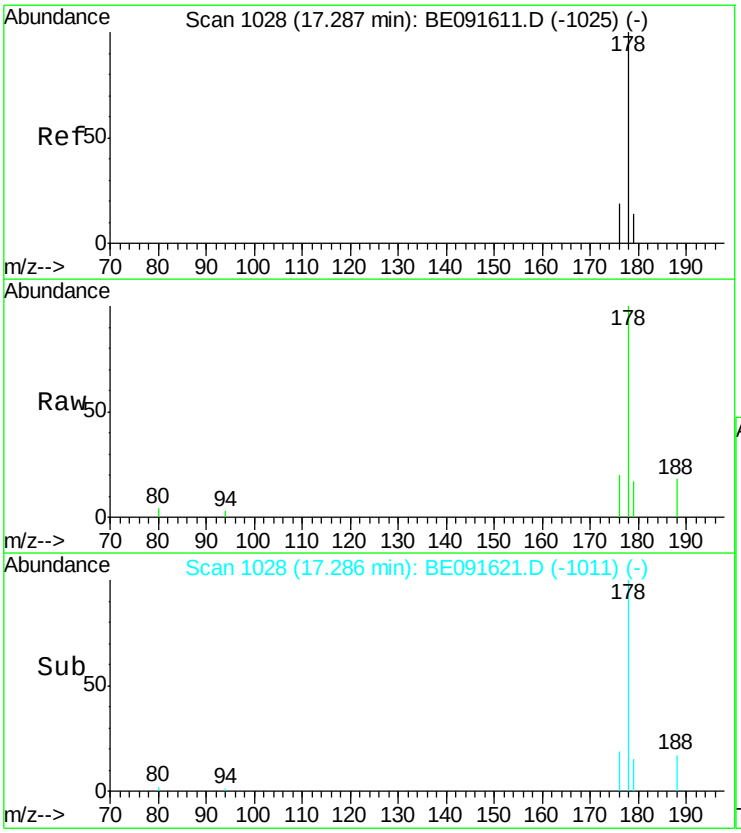
#23
Phenanthrene
Concen: 0.09 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:178 Resp: 7368

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	18.4	12.6	18.8

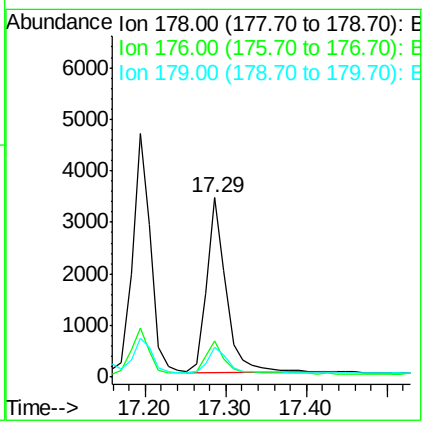


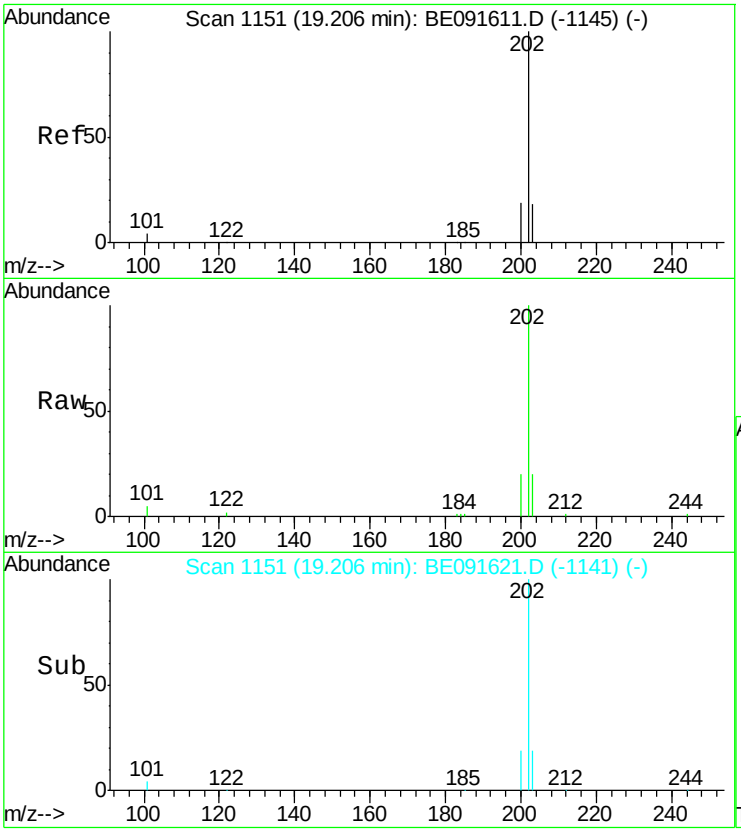


#24
Anthracene
Concen: 0.08 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:178 Resp: 5758

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.6	21.8
179	15.2	11.8	17.6



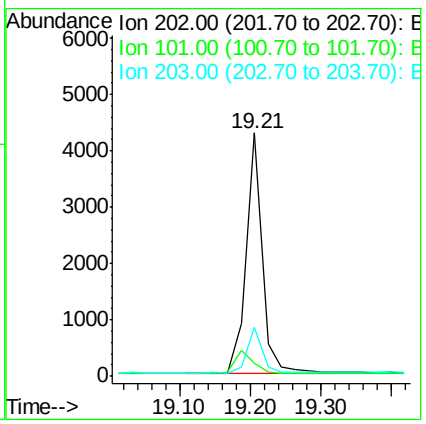


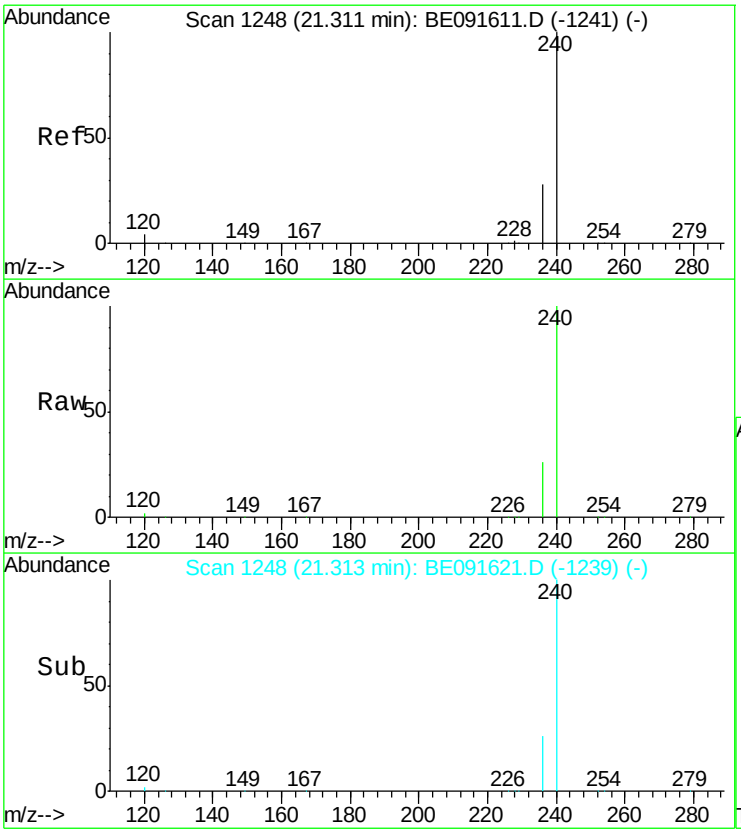
#25
Fluoranthene
Concen: 0.08 ng
RT: 19.21 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:202 Resp: 6831

Ion	Ratio	Lower	Upper
202	100		
101	10.7	11.0	16.6#
203	18.4	13.9	20.9

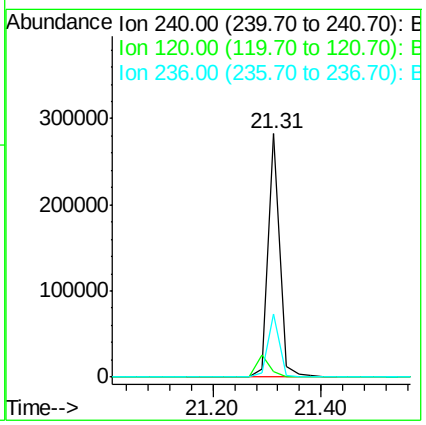


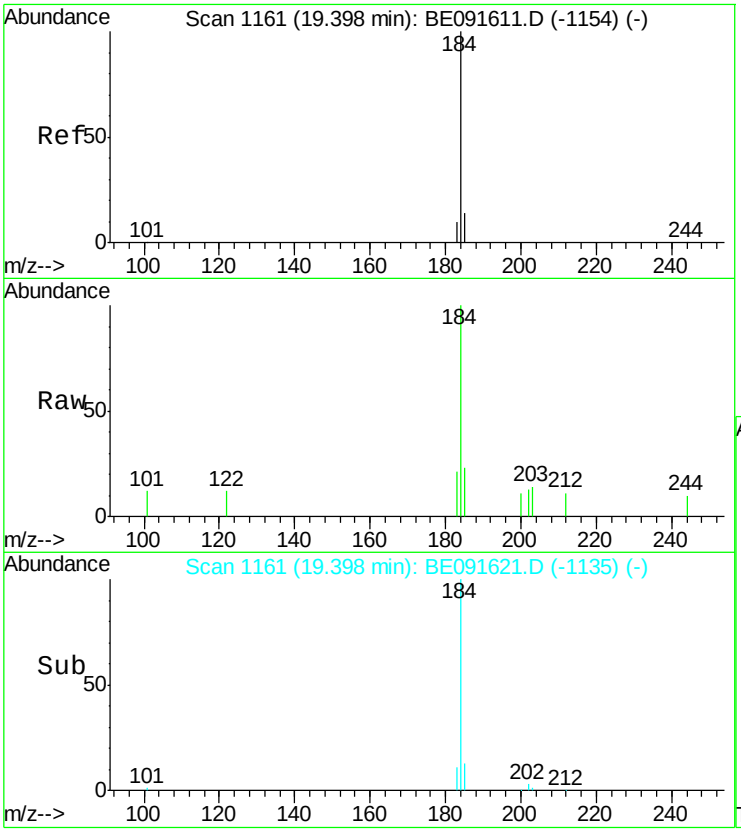


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:240 Resp: 430180

Ion	Ratio	Lower	Upper
240	100		
120	2.1	11.0	16.4#
236	25.9	21.7	32.5



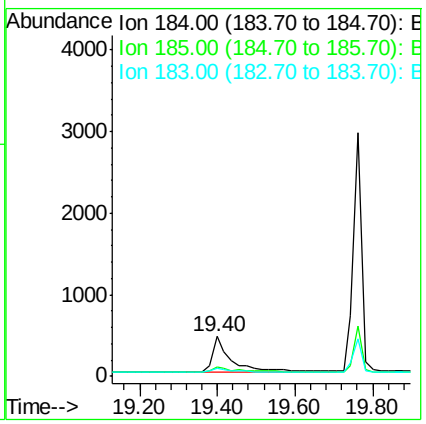


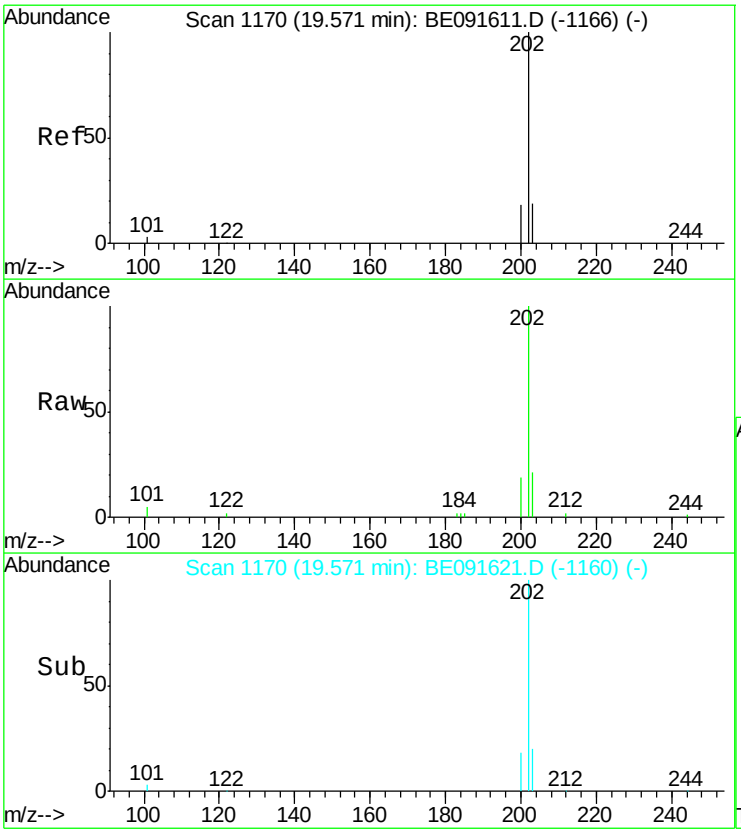
#27
Benzidine
Concen: 0.36 ng
RT: 19.40 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:184 Resp: 1467

Ion	Ratio	Lower	Upper
184	100		
185	23.1	22.3	33.5
183	21.0	16.4	24.6

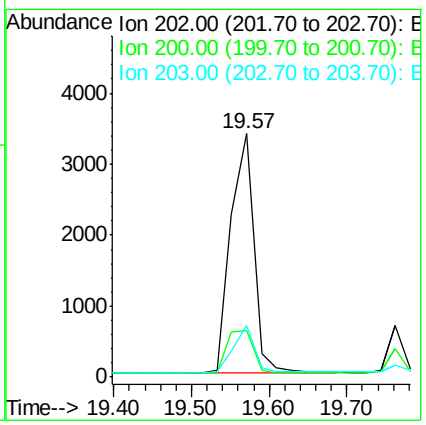


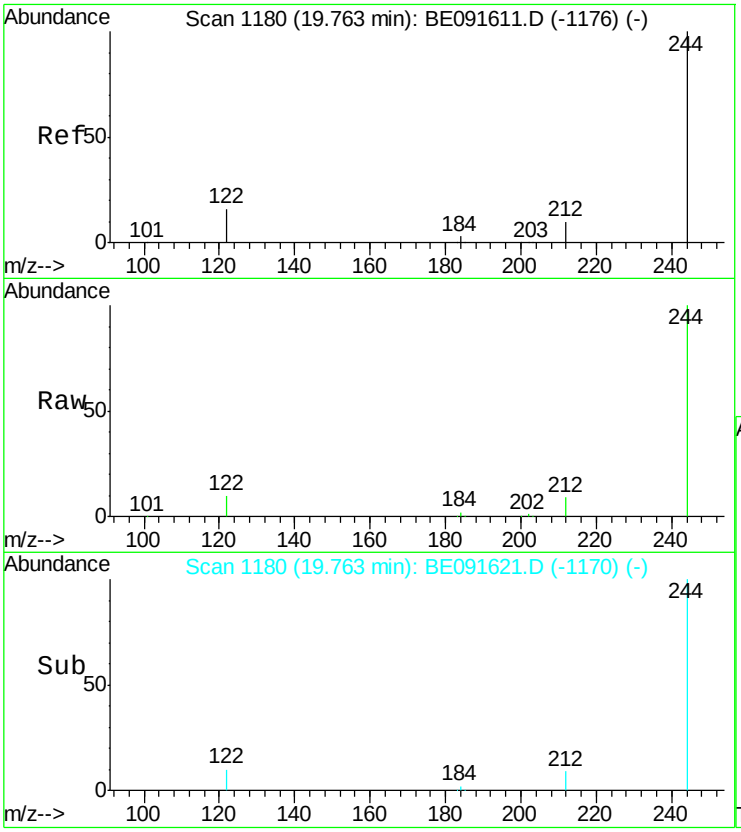


#28
Pyrene
Concen: 0.08 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:202 Resp: 7022

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	18.5	14.0	21.0



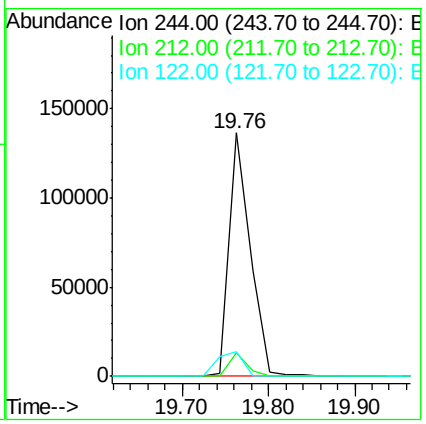


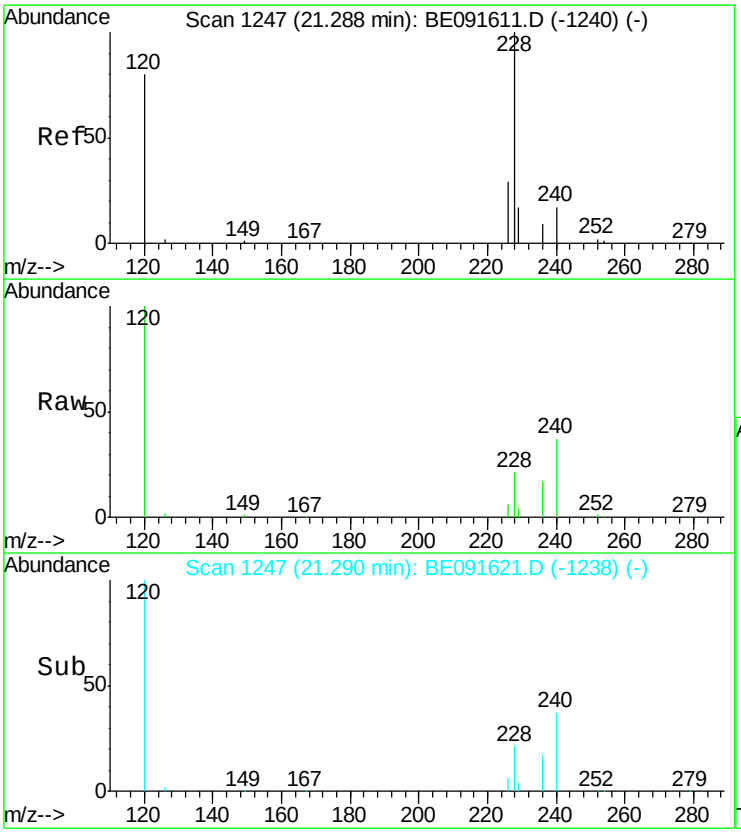
#29
Terphenyl-d14
Concen: 4.34 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:244 Resp: 233120

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.9	10.3
122	10.3	11.0	16.4#

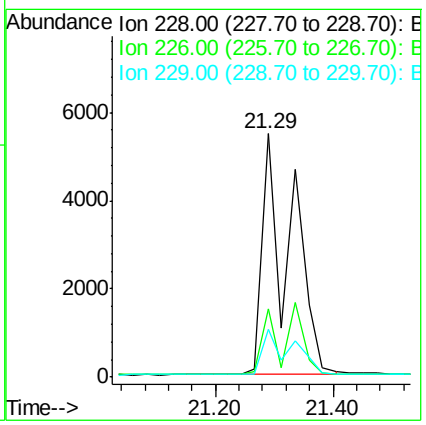


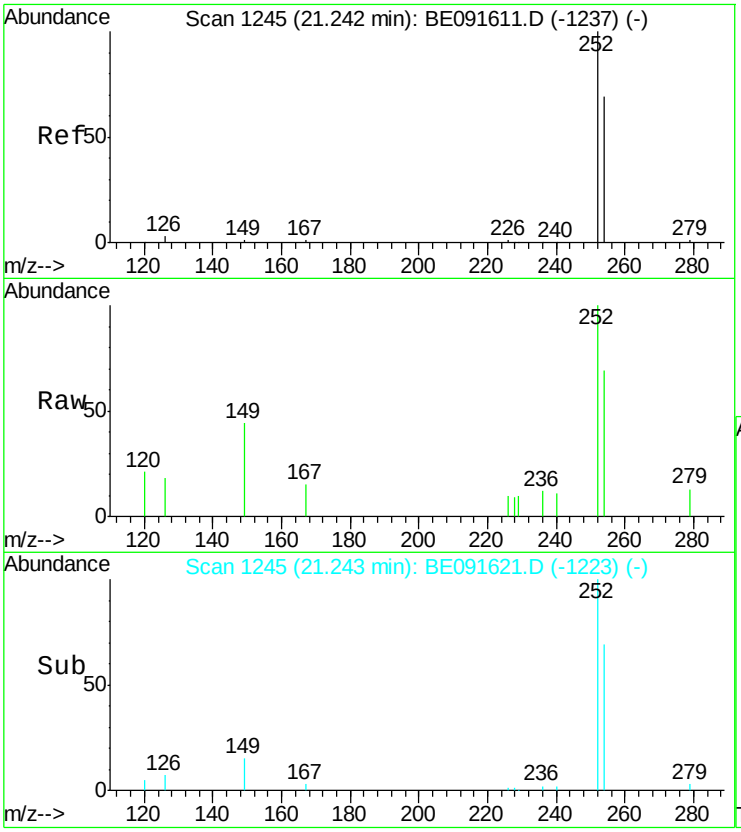


#30
Benzo(a)anthracene
Concen: 0.19 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:228 Resp: 18119

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.0	31.4
229	19.7	15.7	23.5



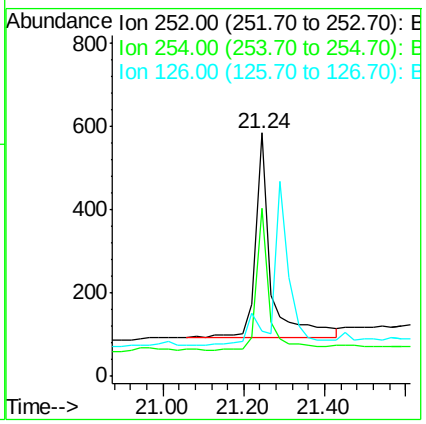


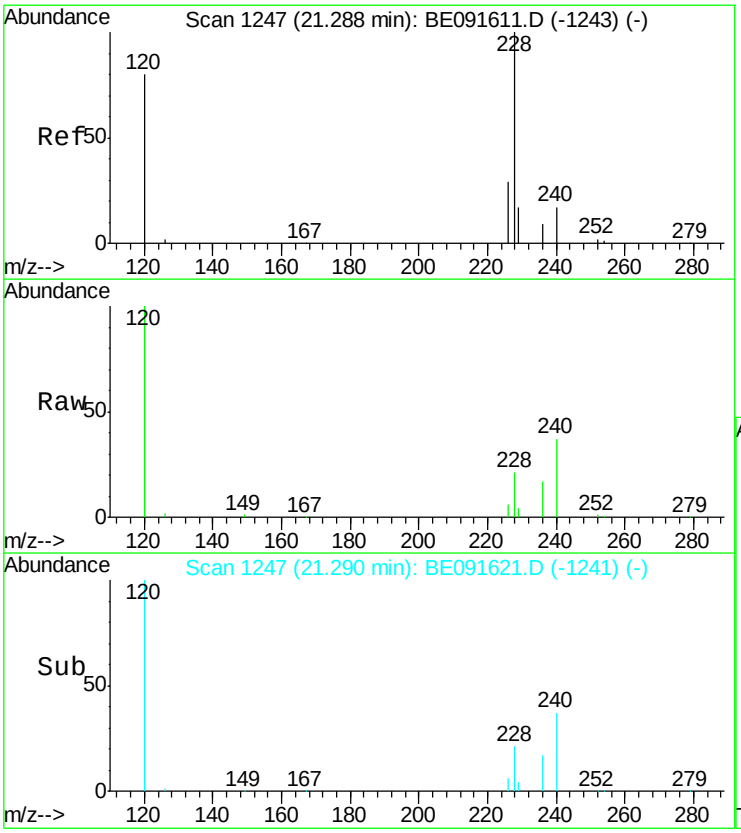
#31
3,3'-Dichlorobenzidine
Concen: 0.18 ng
RT: 21.24 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:252 Resp: 1273

Ion	Ratio	Lower	Upper
252	100		
254	68.9	51.1	76.7
126	18.3	12.6	18.8

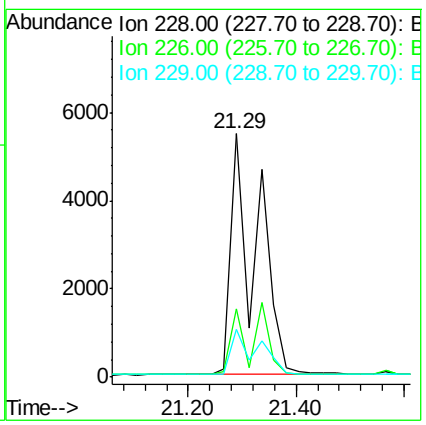


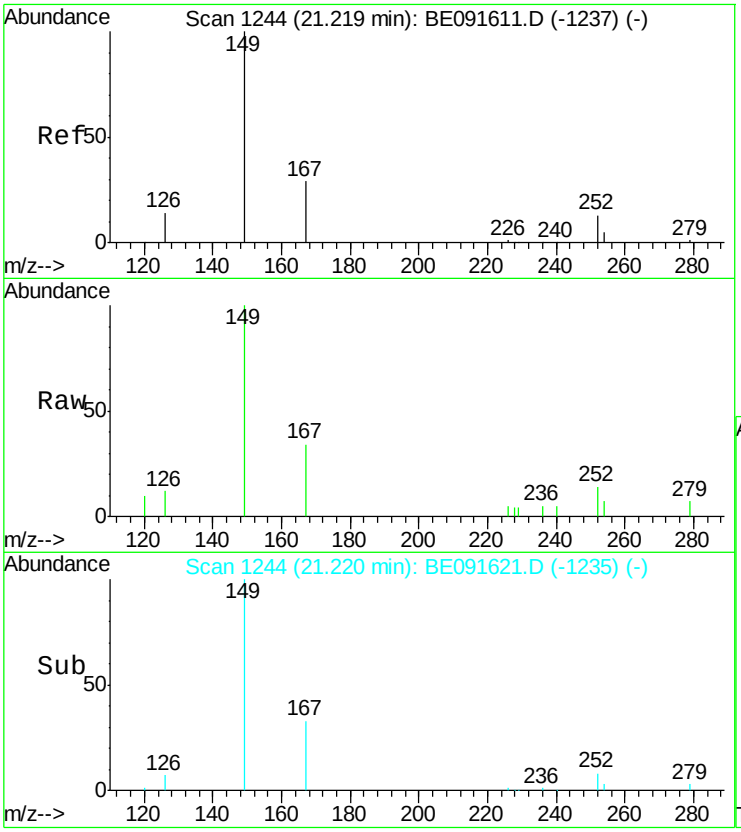


#32
Chrysene
Concen: 0.21 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.07 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:228 Resp: 18304

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	19.7	15.9	23.9



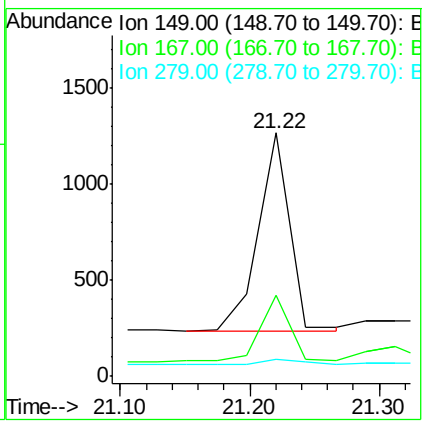


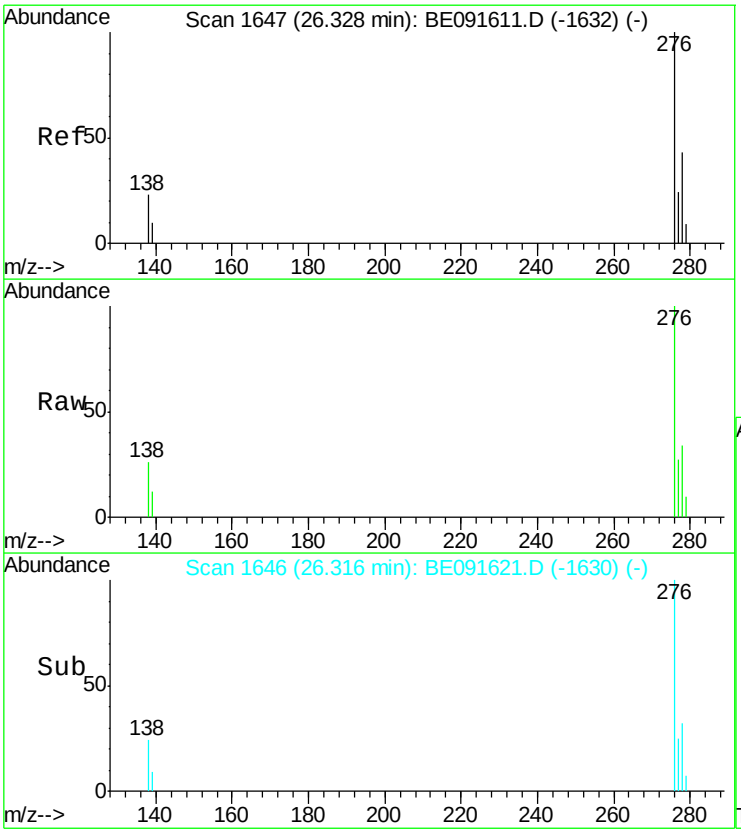
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ng
RT: 21.22 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:149 Resp: 1765

Ion	Ratio	Lower	Upper
149	100		
167	33.8	19.5	29.3#
279	5.2	10.0	15.0#

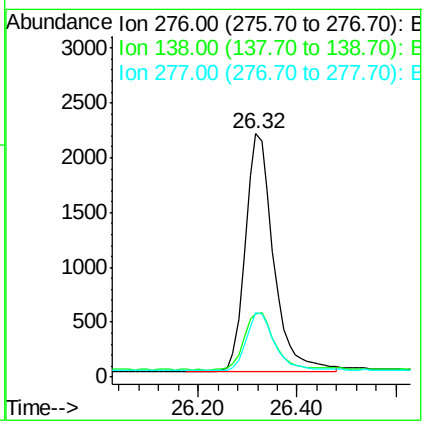


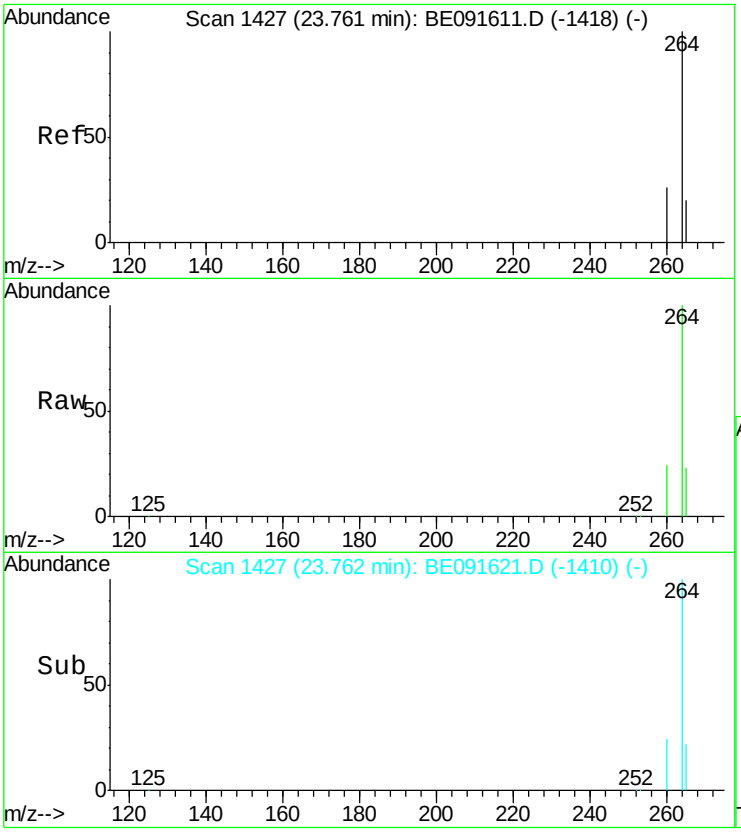


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.09 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.01 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:276 Resp: 8632

Ion	Ratio	Lower	Upper
276	100		
138	26.0	23.4	35.2
277	25.1	19.8	29.8



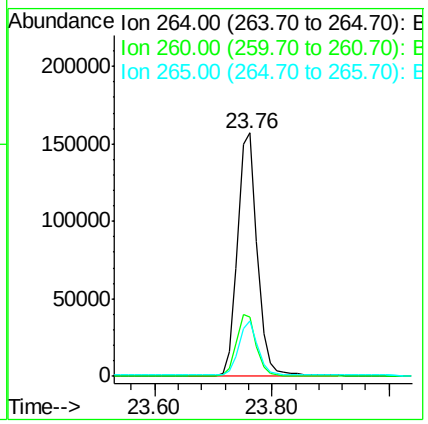


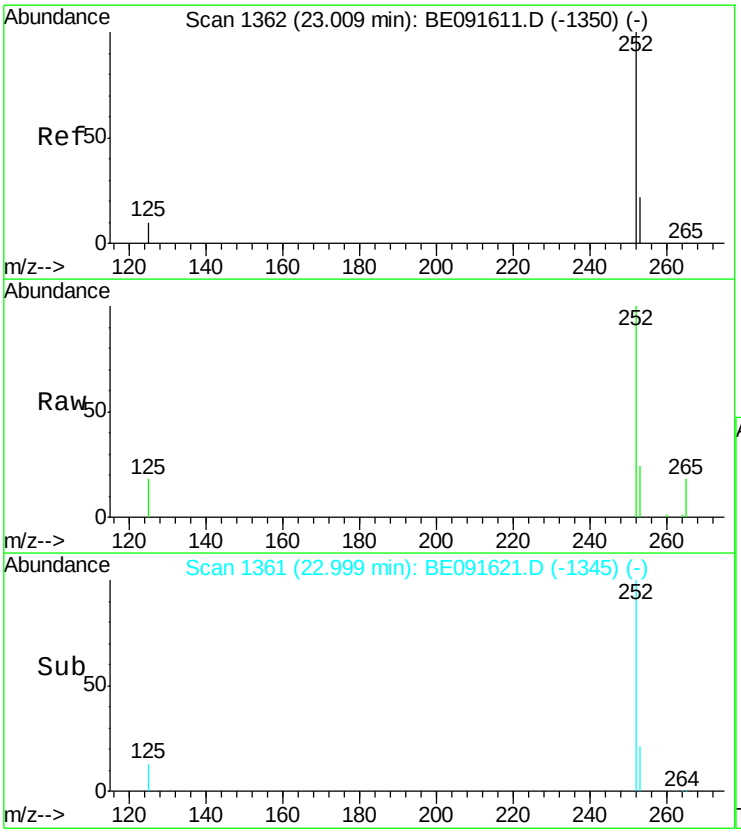
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:264 Resp: 369422

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.0	30.0
265	22.7	17.5	26.3

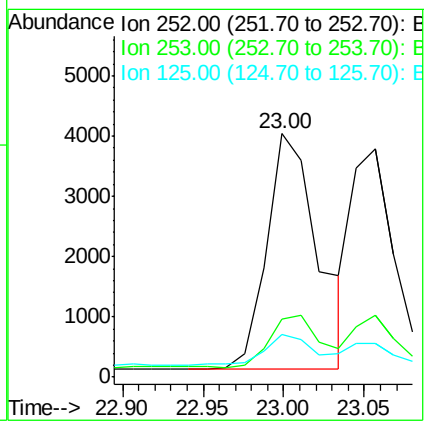


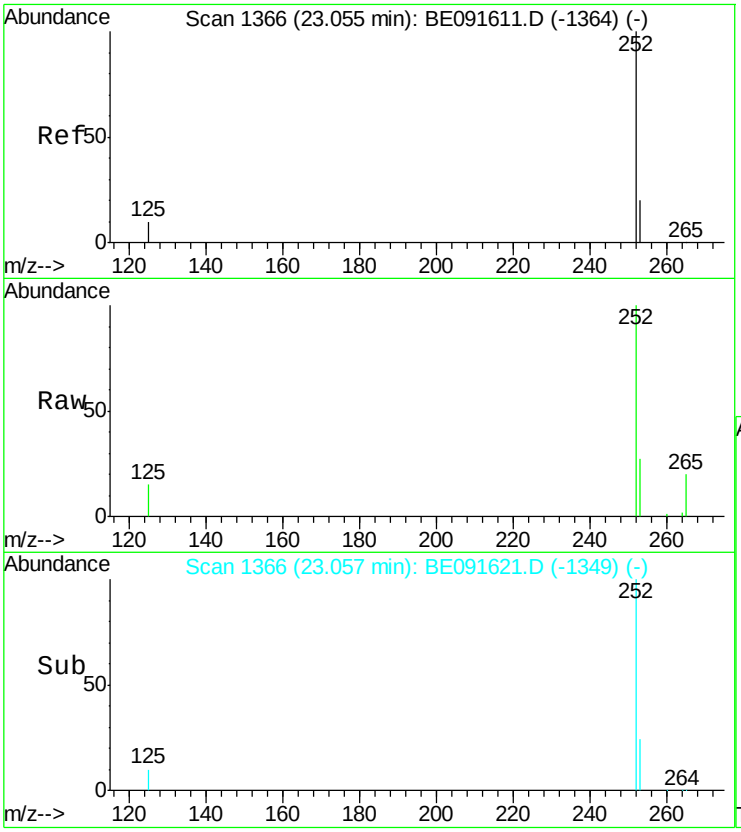


#36
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 23.00 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:252 Resp: 8648

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	17.6	10.2	15.2#



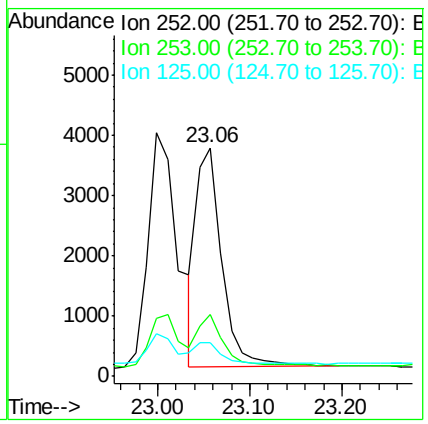


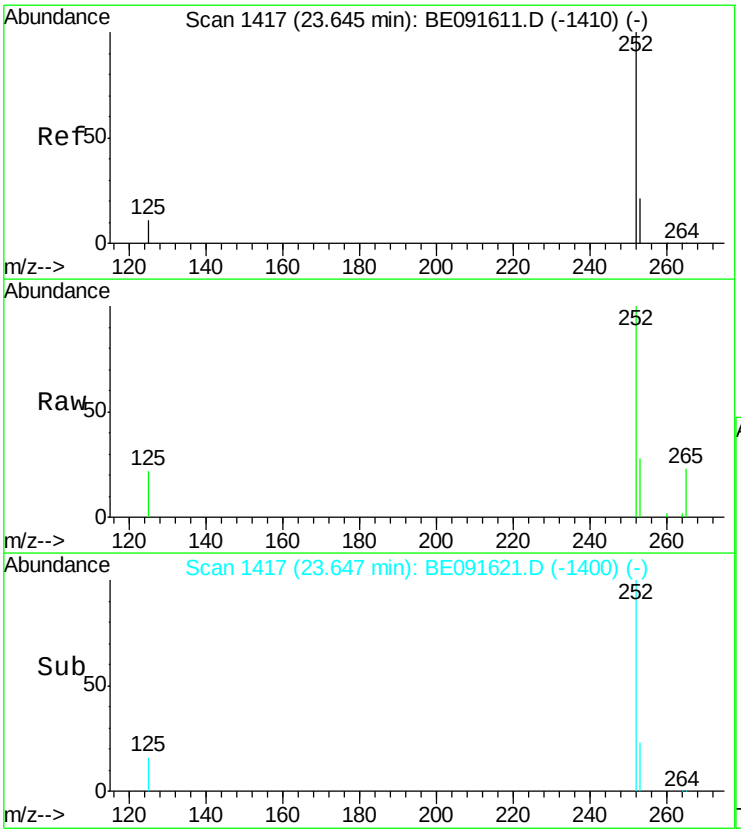
#37
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:252 Resp: 6980

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.6	26.4#
125	14.8	9.9	14.9

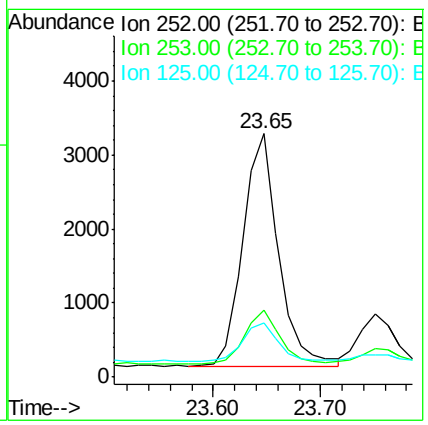


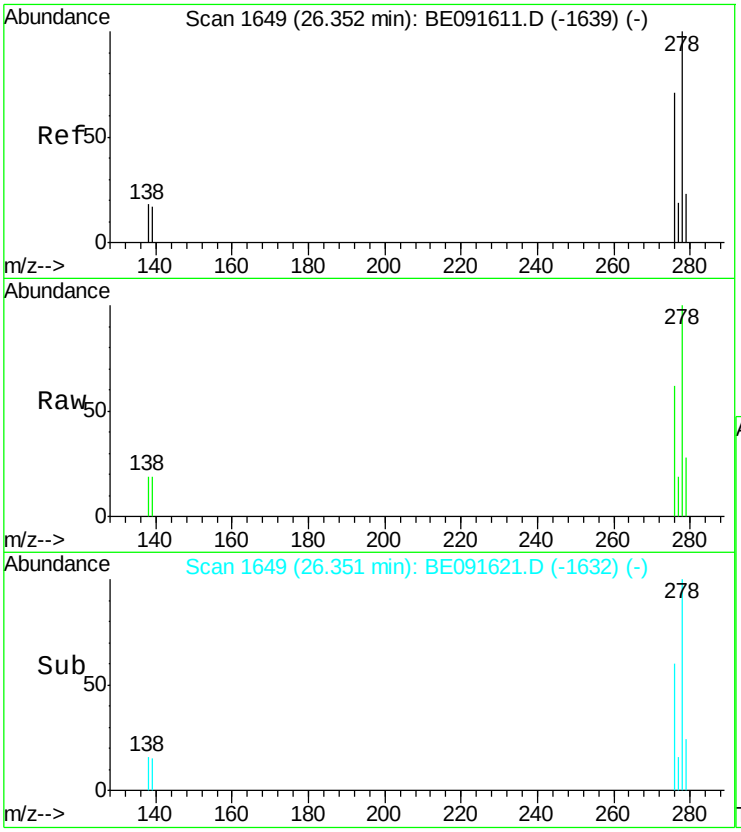


#38
Benzo(a)pyrene
Concen: 0.09 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:252 Resp: 7198

Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.1	27.1#
125	22.3	11.0	16.4#



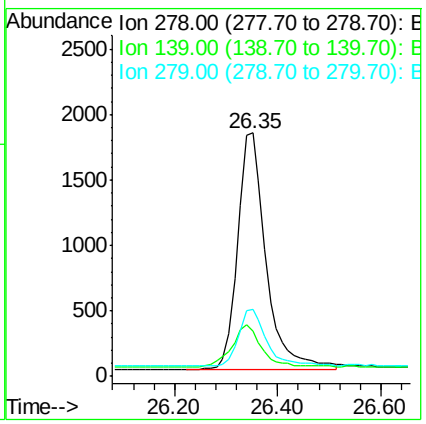


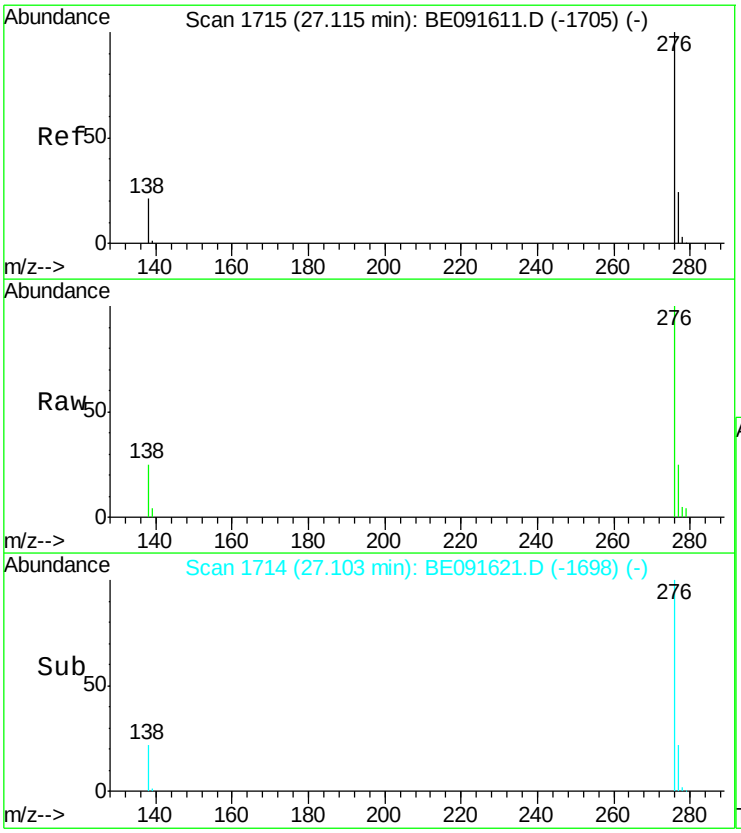
#39
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.00 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:278 Resp: 6925

Ion	Ratio	Lower	Upper
278	100		
139	18.5	16.0	24.0
279	27.7	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.10 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BE091621.D
Acq: 11 Apr 2016 10:41

Tgt Ion:276 Resp: 7303

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	25.1	20.4	30.6