Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
Data File : BE091622.D
Acq On : 11 Apr 2016 11:17
Operator : UM/SJ
Sample : H1824-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-SOIL2016-02

Quant Time: Apr 12 01:44:26 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	50125	5.00	ng		-0.02
7) Naphthalene-d8	10.59	136	234855	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	136119	5.00	ng		0.00
19) Phenanthrene-d10	17.16	188	343667	5.00	ng		0.00
26) Chrysene-d12	21.31	240	425520	5.00	ng		0.00
35) Perylene-d12	23.76	264	382692	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	90736	7.59	ng		0.00
5) Phenol-d6	6.97	99	128375	8.05	ng		0.00
8) Nitrobenzene-d5	8.96	82	50462	3.70	ng		0.00
14) 2,4,6-Tribromophenol	15.91	330	36309	7.31	ng		0.00
15) 2-Fluorobiphenyl	13.05	172	164062	4.33	ng		0.00
29) Terphenyl-d14	19.76	244	270596	5.09	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	1138	0.12	ng		86
3) n-Nitrosodimethylamine	3.66	42	1092	0.14	ng		97
6) bis(2-Chloroethyl)ether	7.23	93	2204	0.16	ng	#	75
9) Nitrobenzene	9.00	77	2455	0.31	ng	#	96
10) Naphthalene	10.63	128	8237	0.17	ng		99
11) Hexachlorobutadiene	10.92	225	1641	0.23	ng	#	81
12) 2-Methylnaphthalene	12.25	142	5259	0.17	ng		90
16) Acenaphthylene	14.14	152	8396	0.16	ng	#	72
17) Acenaphthene	14.49	154	5680	0.17	ng		86
18) Fluorene	15.47	166	6869	0.16	ng		99
20) 4-Bromophenyl-phenylether	16.34	248	2042	0.17	ng		95
21) Hexachlorobenzene	16.46	284	2211	0.18	ng		98
22) Pentachlorophenol	16.81	266	496	0.30	ng		99
23) Phenanthrene	17.19	178	14562	0.19	ng		98
24) Anthracene	17.29	178	11726	0.17	ng		99
25) Fluoranthene	19.21	202	13851	0.17	ng		97
27) Benzidine	19.40	184	2685	0.39	ng	#	88
28) Pyrene	19.57	202	14195	0.17	ng		99
30) Benzo(a)anthracene	21.29	228	37995	0.40	ng		100
31) 3,3'-Dichlorobenzidine	21.24	252	2207	0.19	ng	#	88
32) Chrysene	21.29	228	38290	0.44	ng		96
33) Bis(2-ethylhexyl)phthalate	21.22	149	3015	0.31	ng	#	81
34) Indeno(1,2,3-cd)pyrene	26.32	276	17095	0.18	ng		97
36) Benzo(b)fluoranthene	23.00	252	17502	0.20	ng		98
37) Benzo(k)fluoranthene	23.06	252	14351	0.16	ng		96
38) Benzo(a)pyrene	23.65	252	14271	0.17	ng		95
39) Dibenzo(a,h)anthracene	26.34	278	14016	0.17	ng		97
40) Benzo(g,h,i)perylene	27.10	276	14637	0.17	ng		96

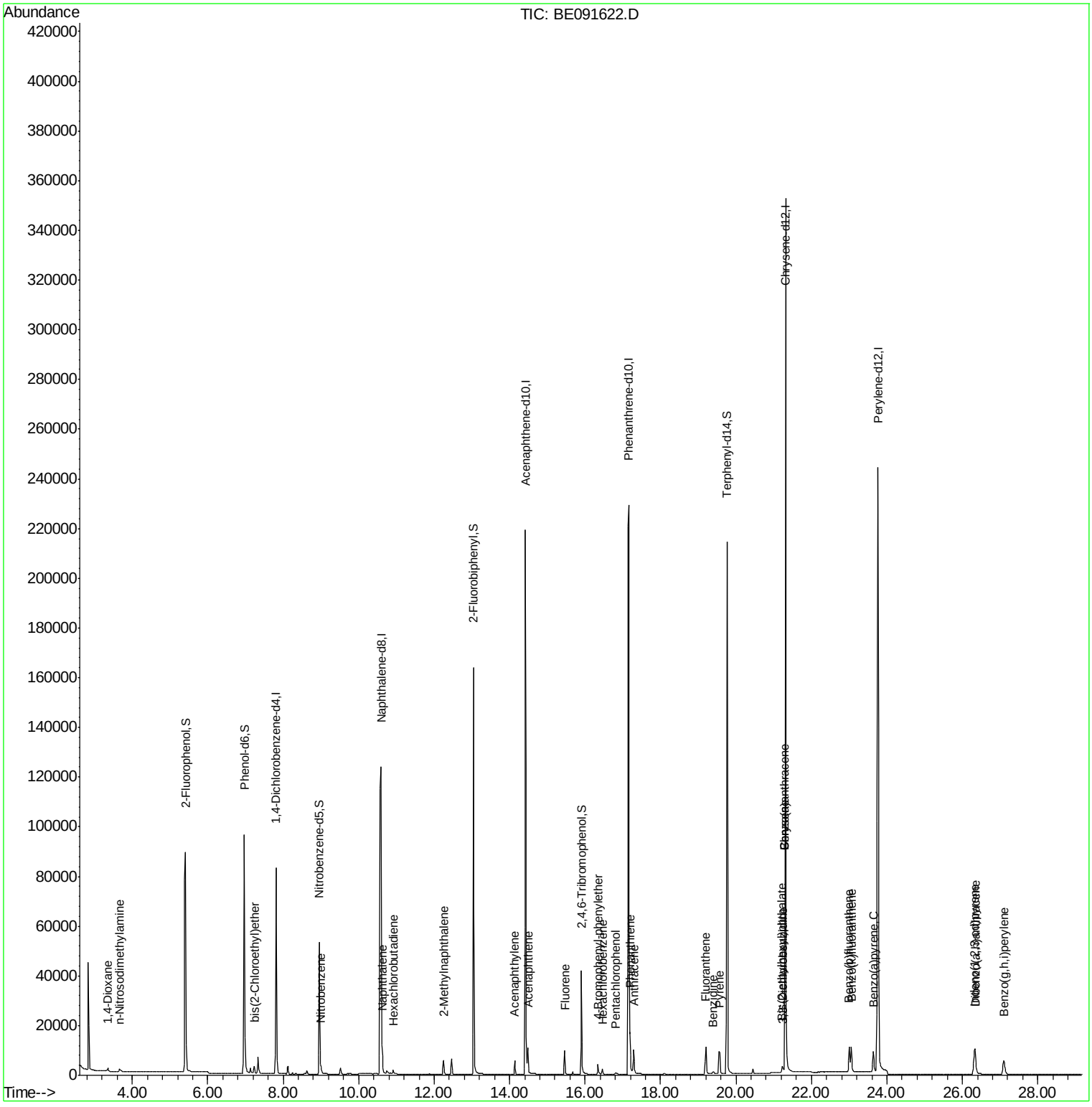
(#) = qualifier out of range (m) = manual integration (+) = signals summed

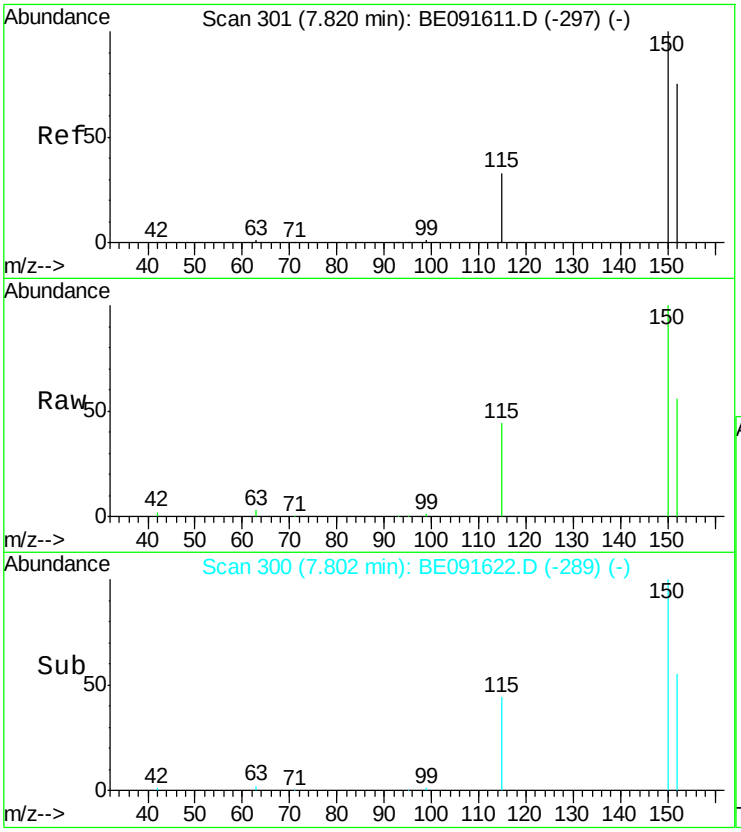
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
Data File : BE091622.D
Acq On : 11 Apr 2016 11:17
Operator : UM/SJ
Sample : H1824-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Quant Time: Apr 12 01:44:26 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



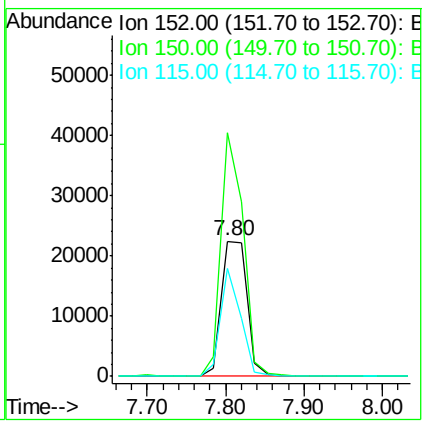


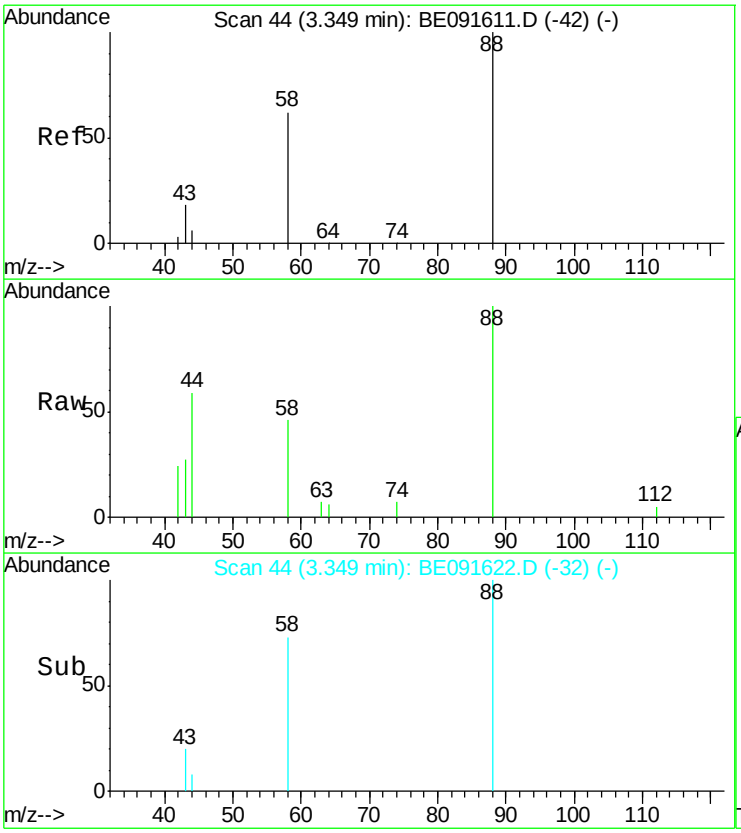
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.02 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:152 Resp: 50125

Ion	Ratio	Lower	Upper
152	100		
150	180.0	122.6	183.8
115	80.0	52.8	79.2#

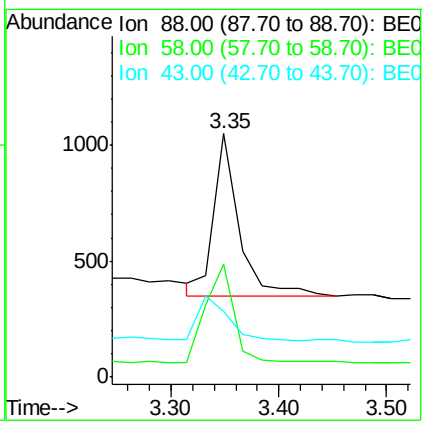


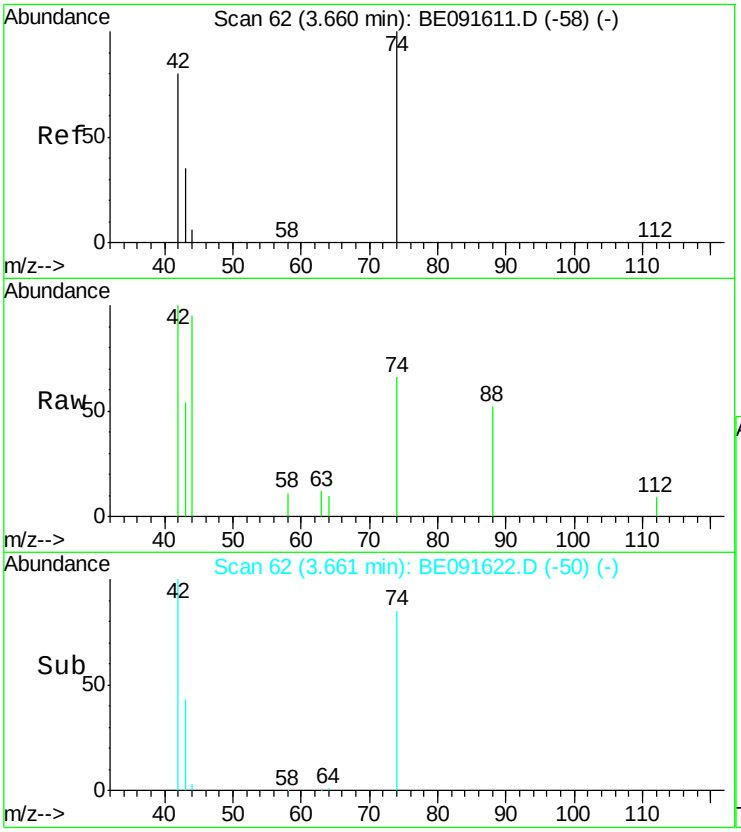


#2
1,4-Dioxane
Concen: 0.12 ng
RT: 3.35 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion: 88 Resp: 1138

Ion	Ratio	Lower	Upper
88	100		
58	68.3	65.8	98.6
43	36.9	25.3	37.9



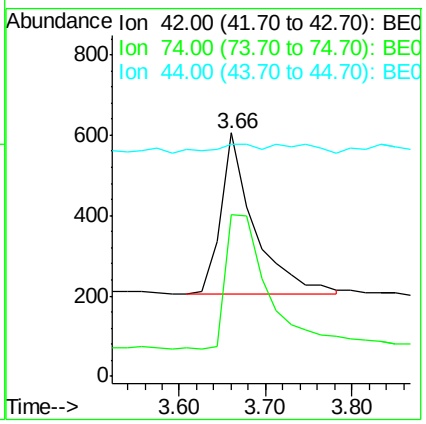


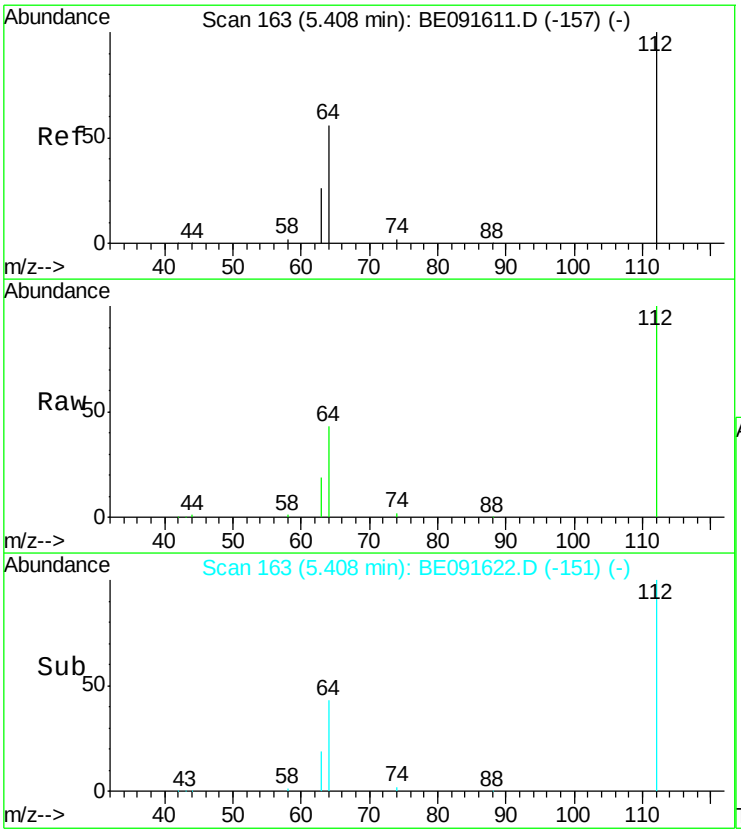
#3
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 3.66 min Scan# 62
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 42 Resp: 1092

Ion	Ratio	Lower	Upper
42	100		
74	106.7	87.9	131.9
44	6.9	6.6	9.8

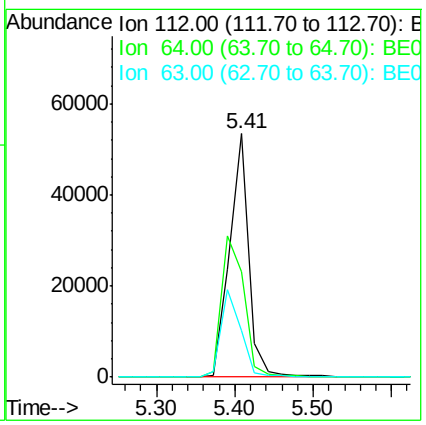


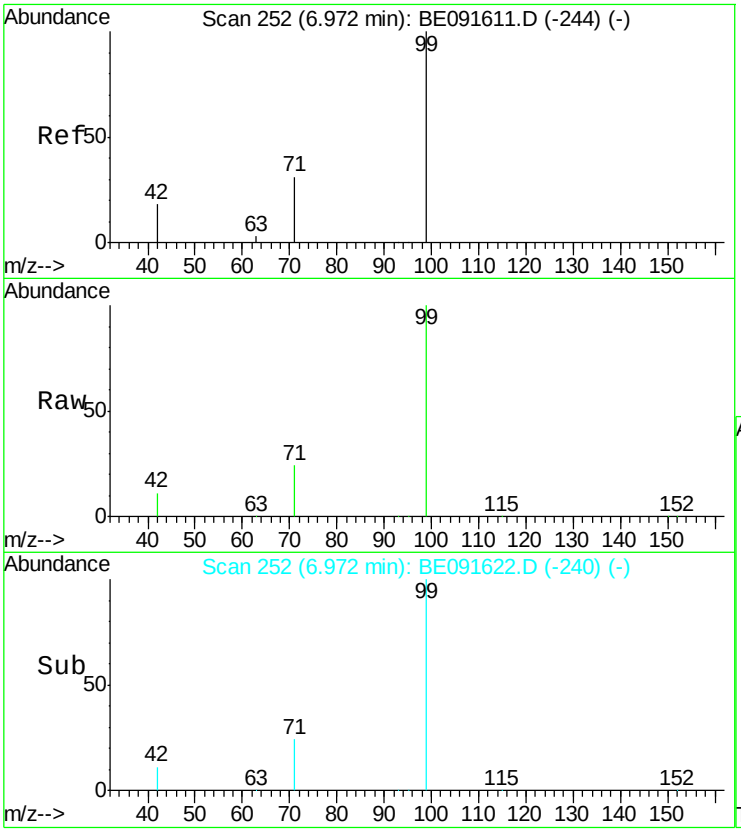


#4
2-Fluorophenol
Concen: 7.59 ng
RT: 5.41 min Scan# 163
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:112 Resp: 90736

Ion	Ratio	Lower	Upper
112	100		
64	67.7	30.9	46.3#
63	36.8	16.7	25.1#



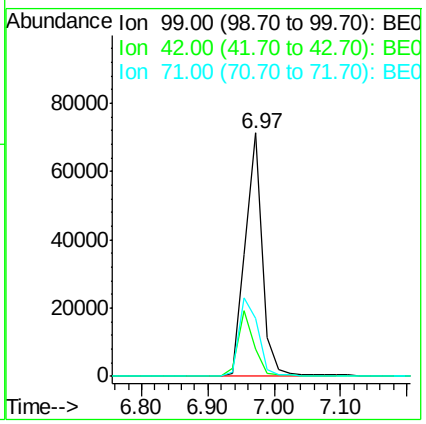


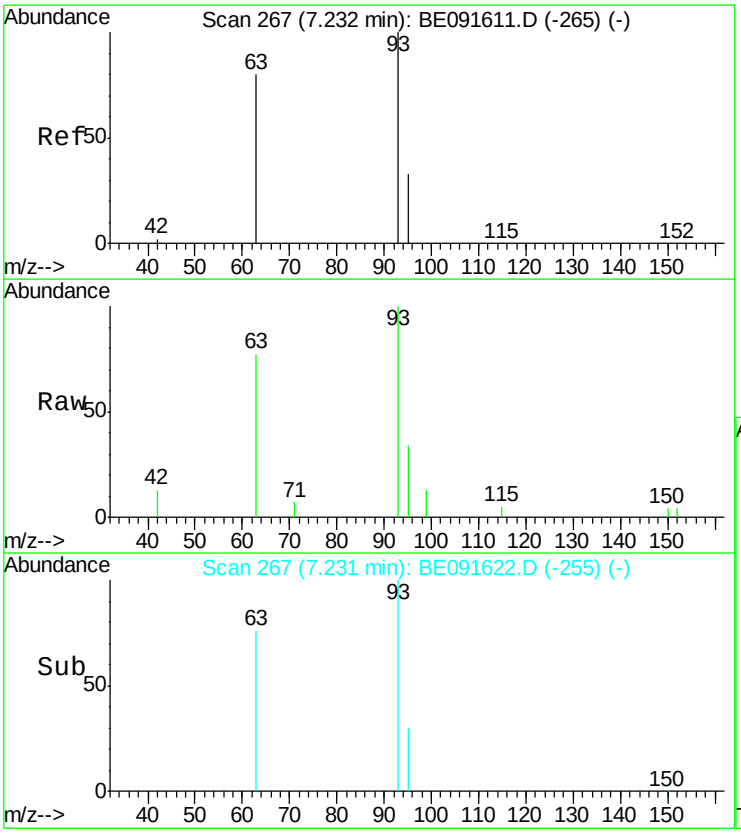
#5
Phenol-d6
Concen: 8.05 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 99 Resp: 128375

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

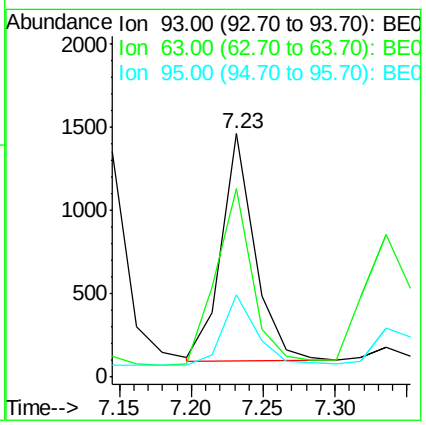


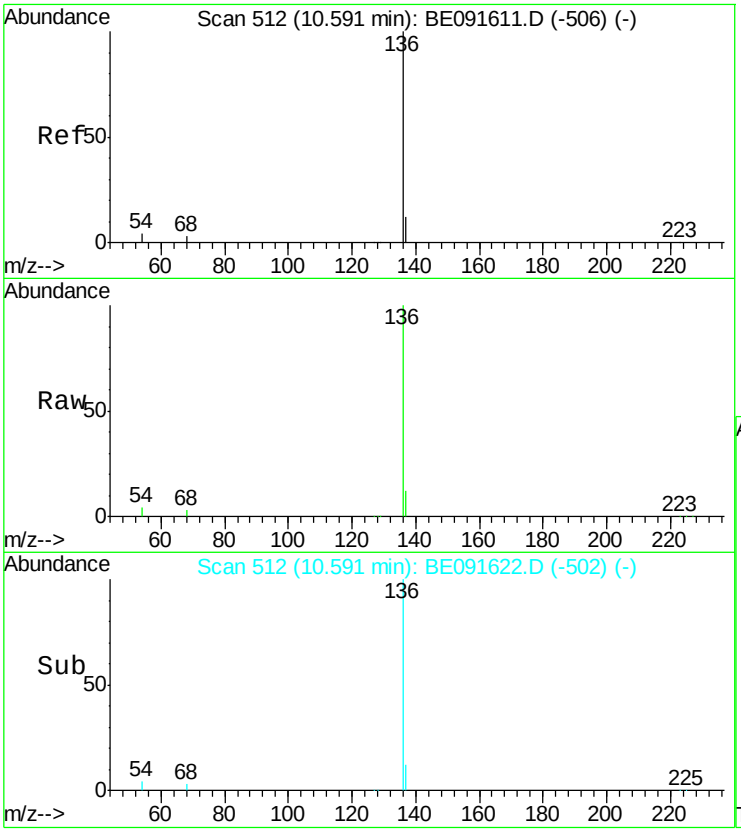


#6
bis(2-Chloroethyl)ether
Concen: 0.16 ng
RT: 7.23 min Scan# 267
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion: 93 Resp: 2204

Ion	Ratio	Lower	Upper
93	100		
63	86.2	49.5	74.3#
95	32.7	22.2	33.4



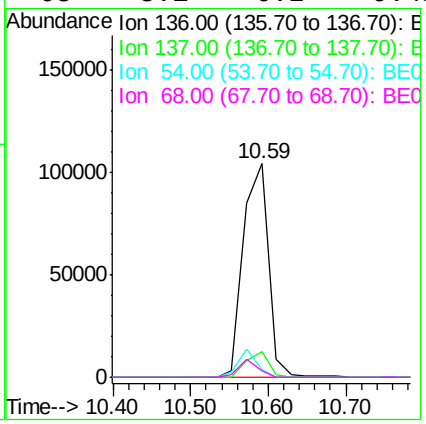


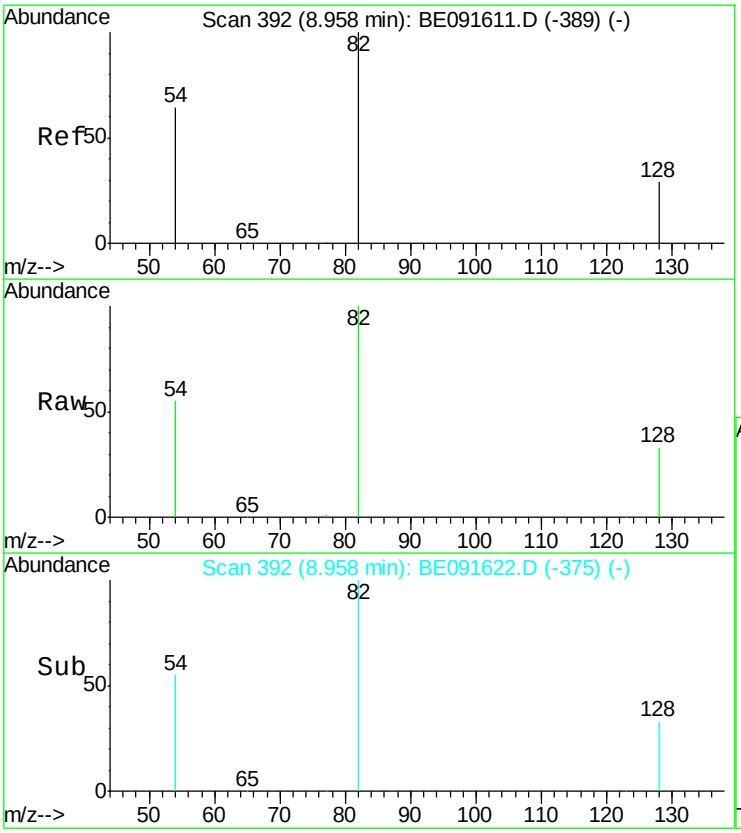
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:136 Resp: 234855

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.9	13.3
54	3.8	8.2	12.4#
68	3.1	6.2	9.4#

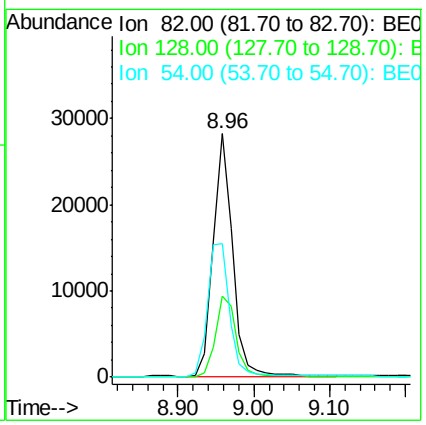


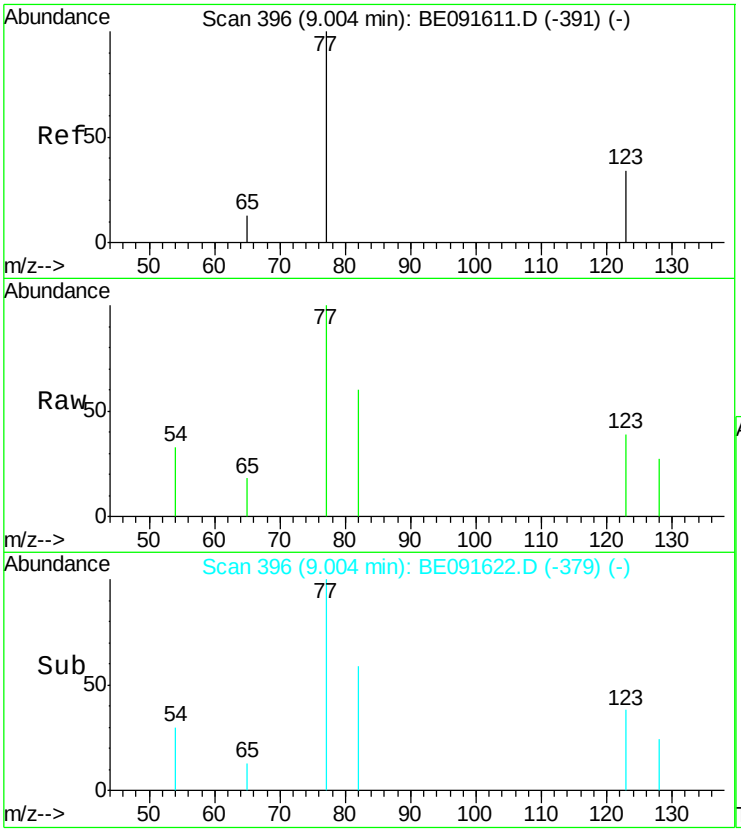


#8
Nitrobenzene-d5
Concen: 3.70 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion: 82 Resp: 50462

Ion	Ratio	Lower	Upper
82	100		
128	33.3	25.4	38.0
54	54.7	48.4	72.6



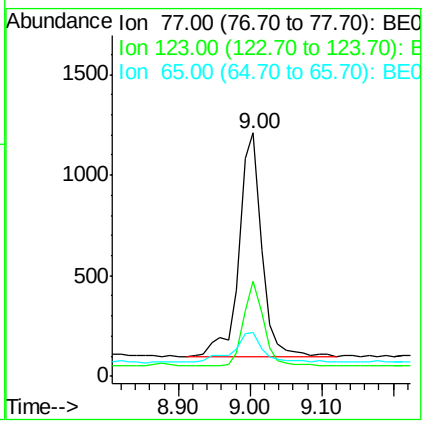


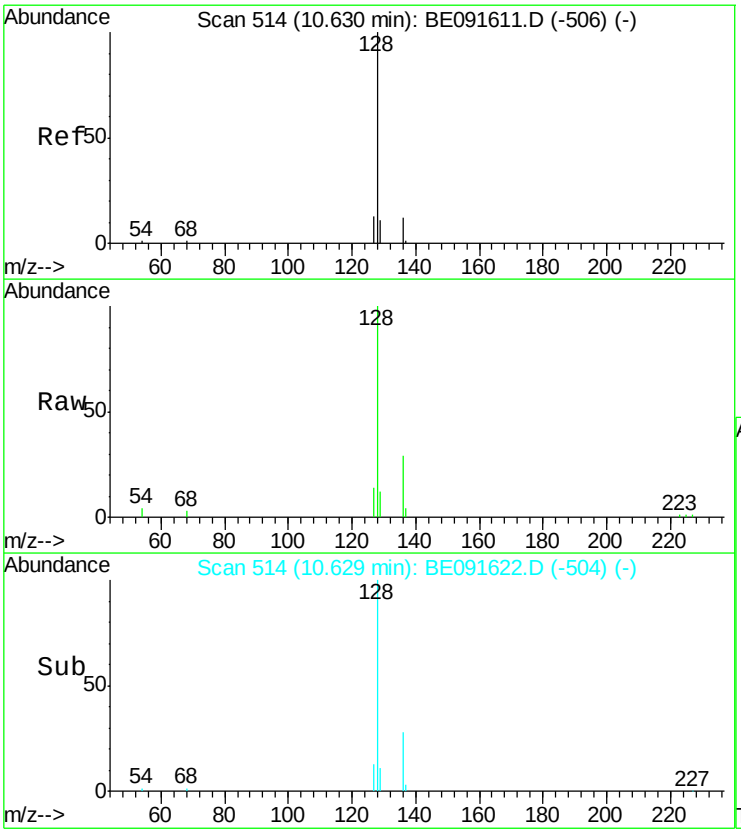
#9
Nitrobenzene
Concen: 0.31 ng
RT: 9.00 min Scan# 396
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 77 Resp: 2455

Ion	Ratio	Lower	Upper
77	100		
123	34.2	26.9	40.3
65	17.1	9.4	14.2#

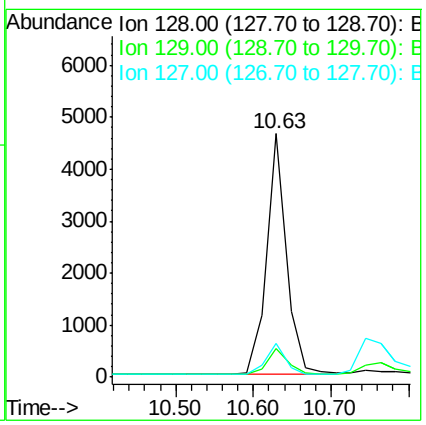


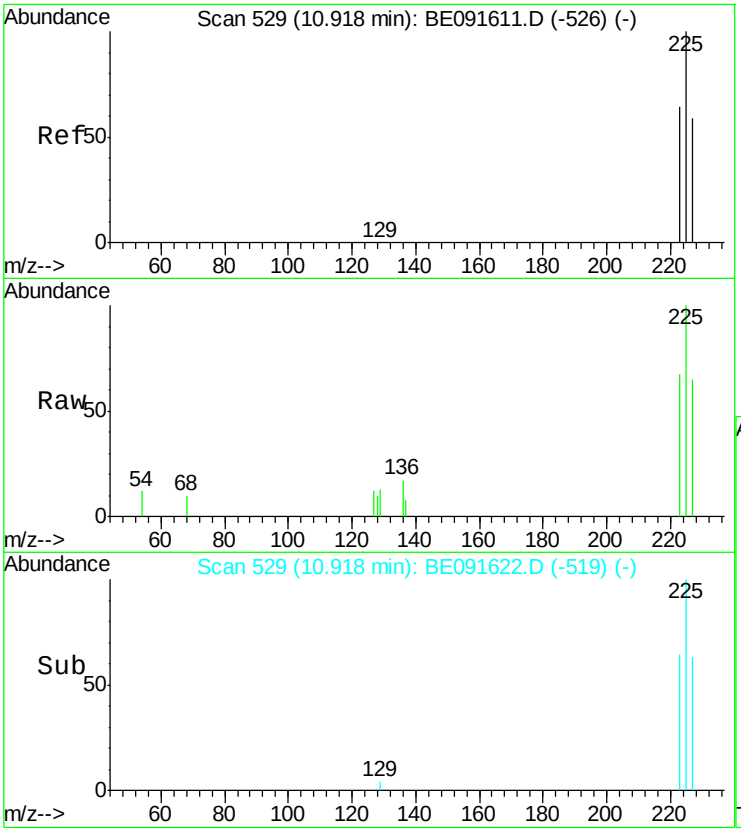


#10
Naphthalene
Concen: 0.17 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:128 Resp: 8237

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	13.9	10.7	16.1



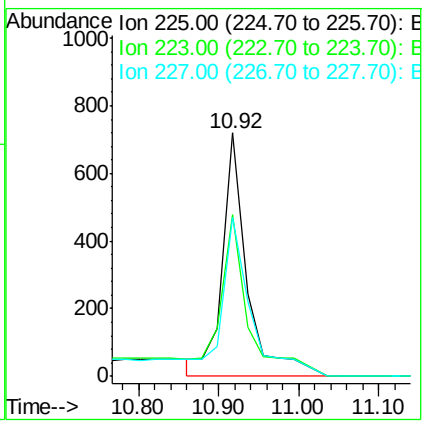


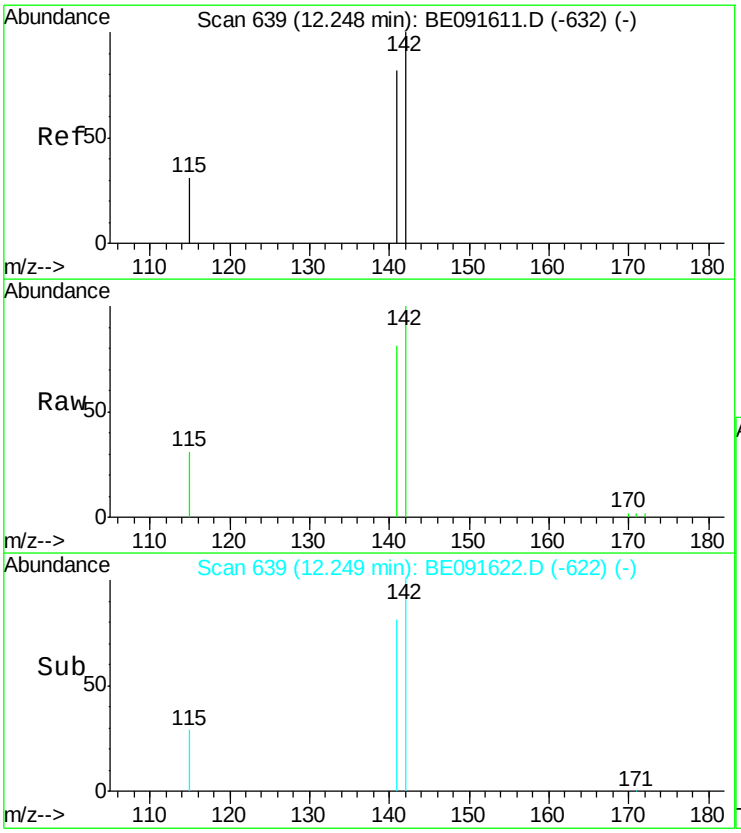
#11
Hexachlorobutadiene
Concen: 0.23 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:225 Resp: 1641

Ion	Ratio	Lower	Upper
225	100		
223	74.5	49.0	73.6#
227	78.2	50.3	75.5#

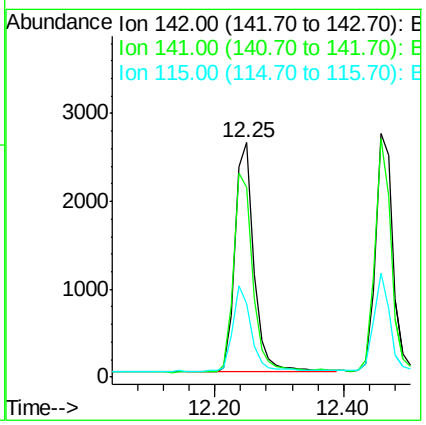


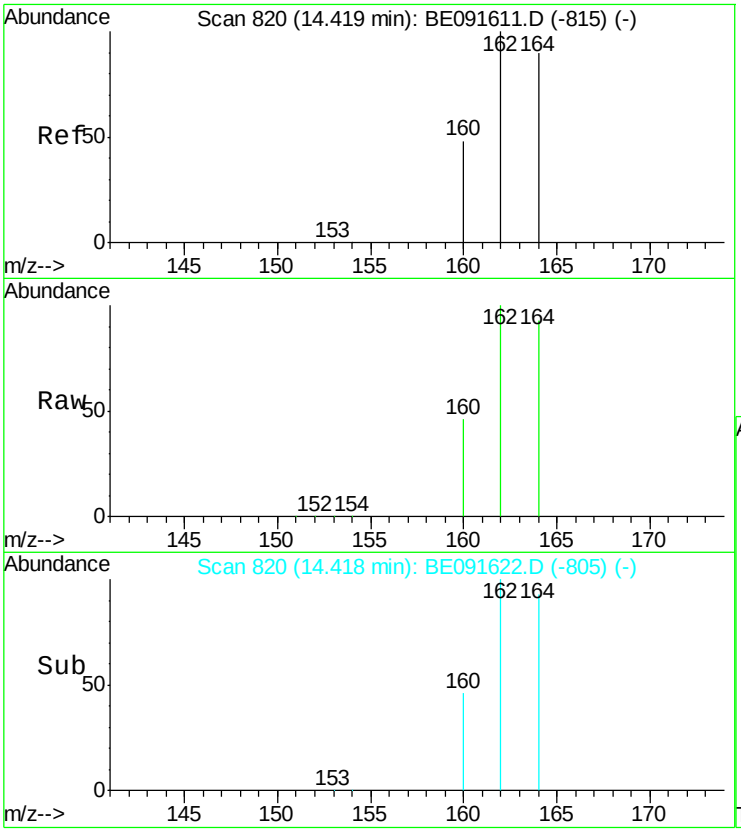


#12
2-Methylnaphthalene
Concen: 0.17 ng
RT: 12.25 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:142 Resp: 5259

Ion	Ratio	Lower	Upper
142	100		
141	80.9	71.4	107.0
115	31.1	30.3	45.5



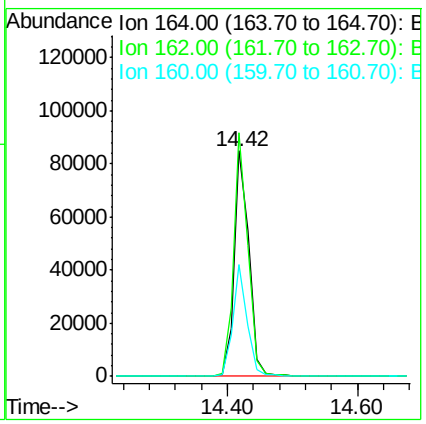


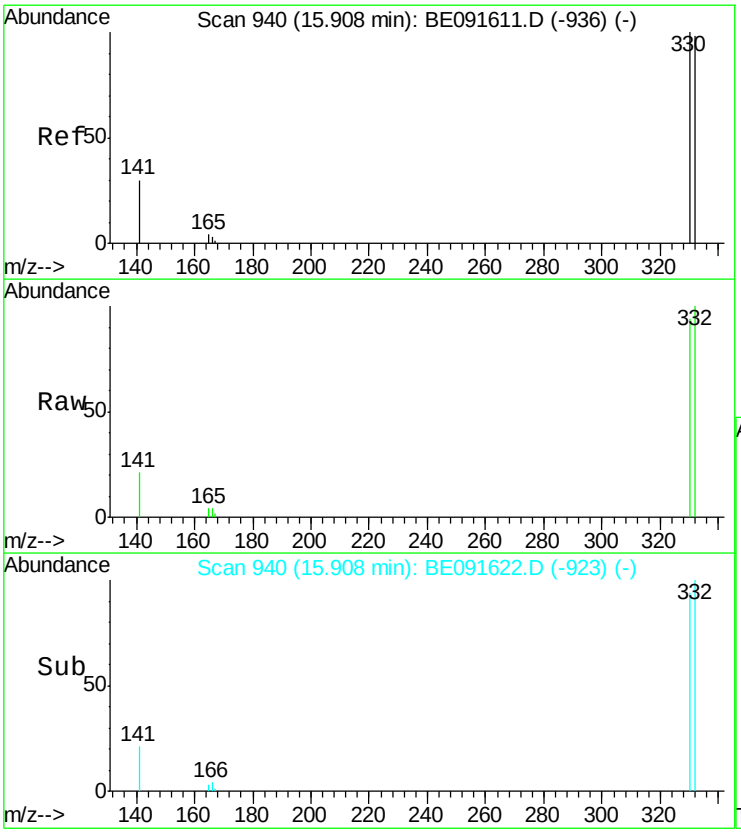
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:164 Resp: 136119

Ion	Ratio	Lower	Upper
164	100		
162	108.1	85.3	127.9
160	49.9	46.2	69.2

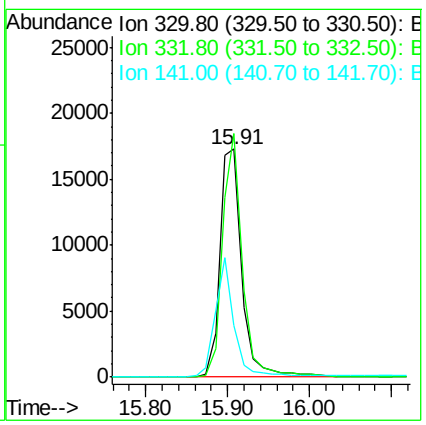


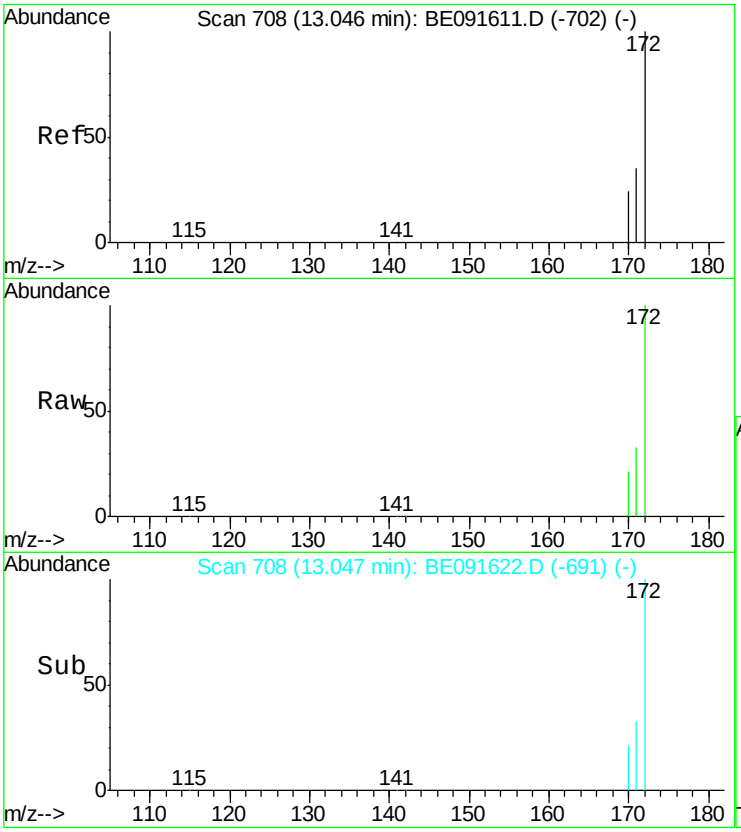


#14
2,4,6-Tribromophenol
Concen: 7.31 ng
RT: 15.91 min Scan# 940
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:330 Resp: 36309

Ion	Ratio	Lower	Upper
330	100		
332	95.6	79.1	118.7
141	43.4	125.4	188.0#



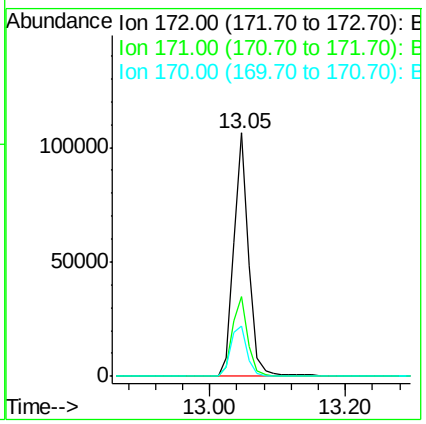


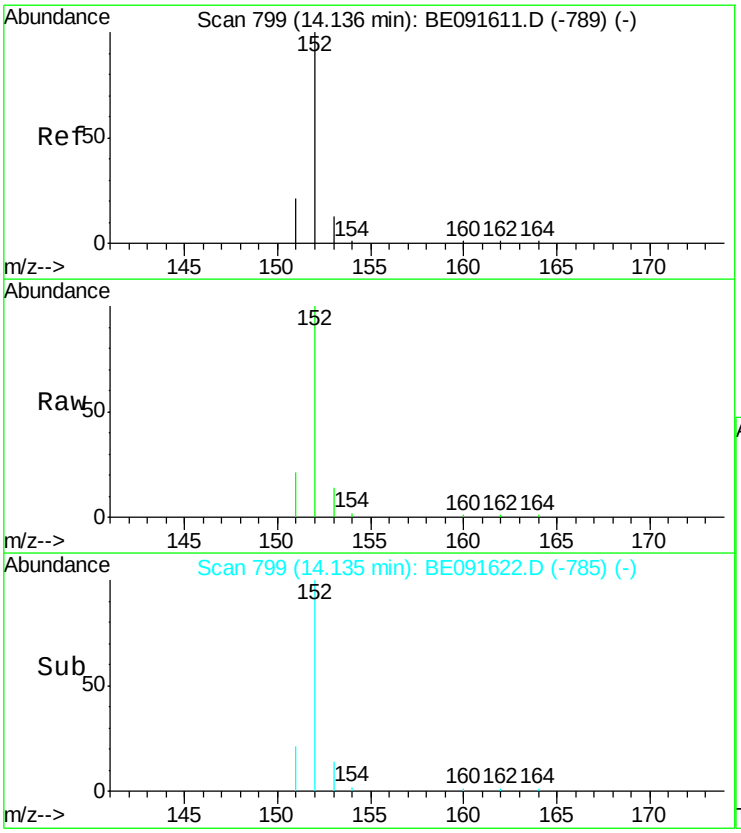
#15
2-Fluorobiphenyl
Concen: 4.33 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:172 Resp: 164062

Ion	Ratio	Lower	Upper
172	100		
171	32.9	28.8	43.2
170	20.9	19.3	28.9

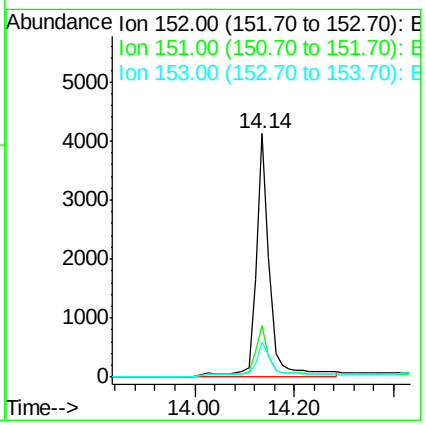


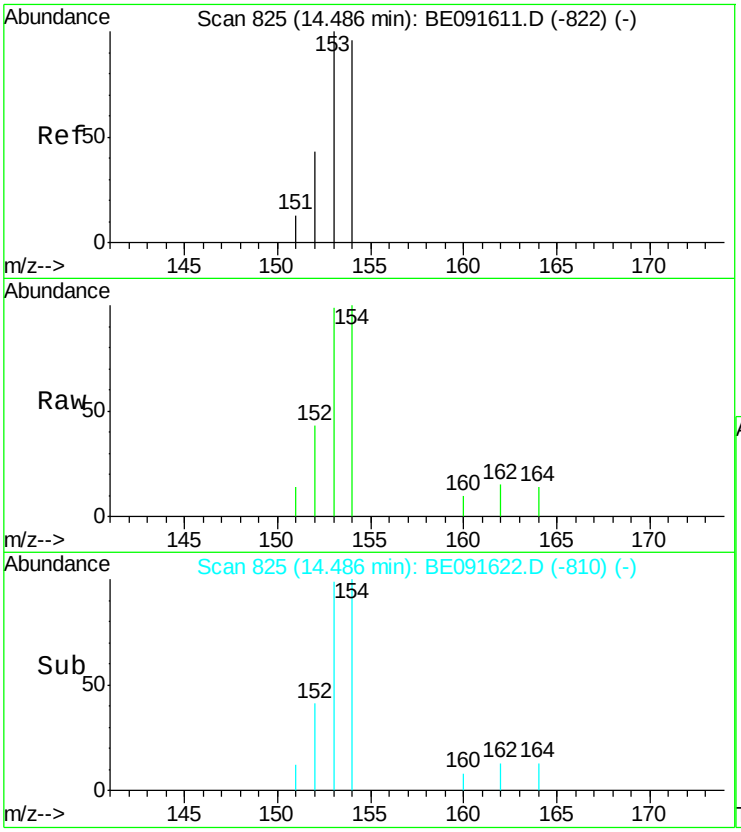


#16
Acenaphthylene
Concen: 0.16 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:152 Resp: 8396

Ion	Ratio	Lower	Upper
152	100		
151	18.3	3.9	5.9#
153	22.4	10.3	15.5#



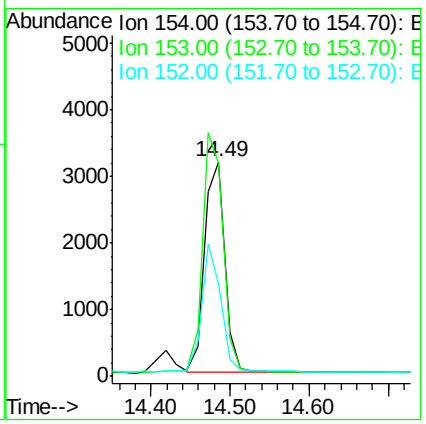


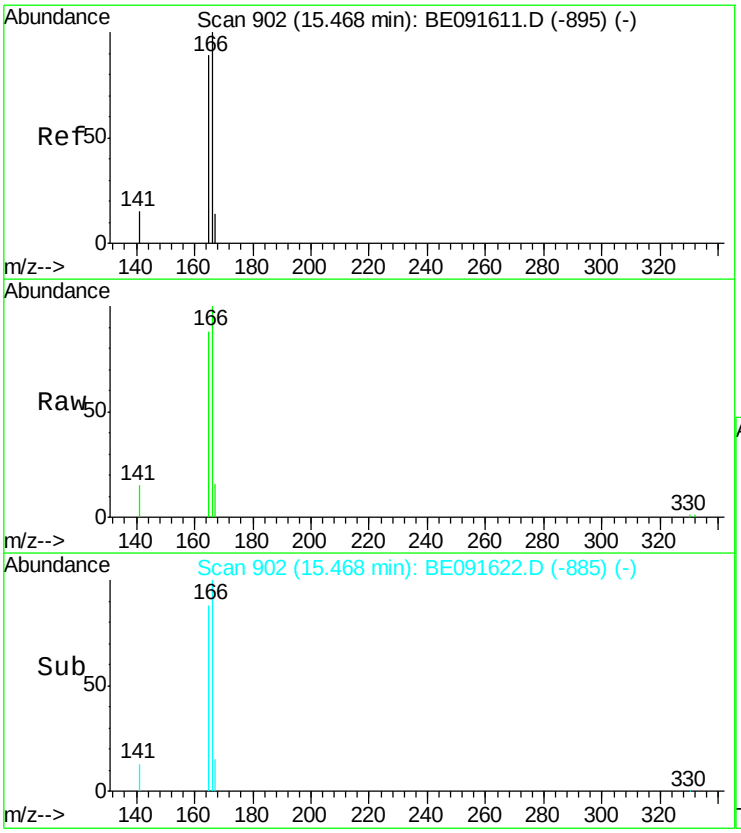
#17
Acenaphthene
Concen: 0.17 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:154 Resp: 5680

Ion	Ratio	Lower	Upper
154	100		
153	116.3	80.0	120.0
152	57.3	40.0	60.0

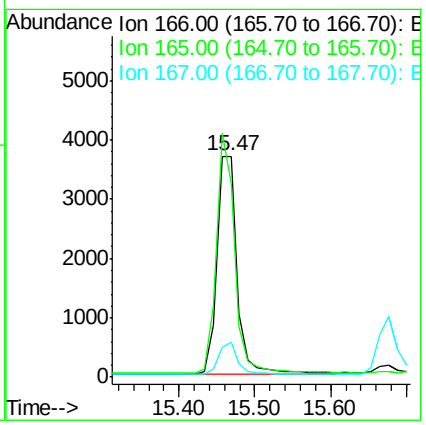


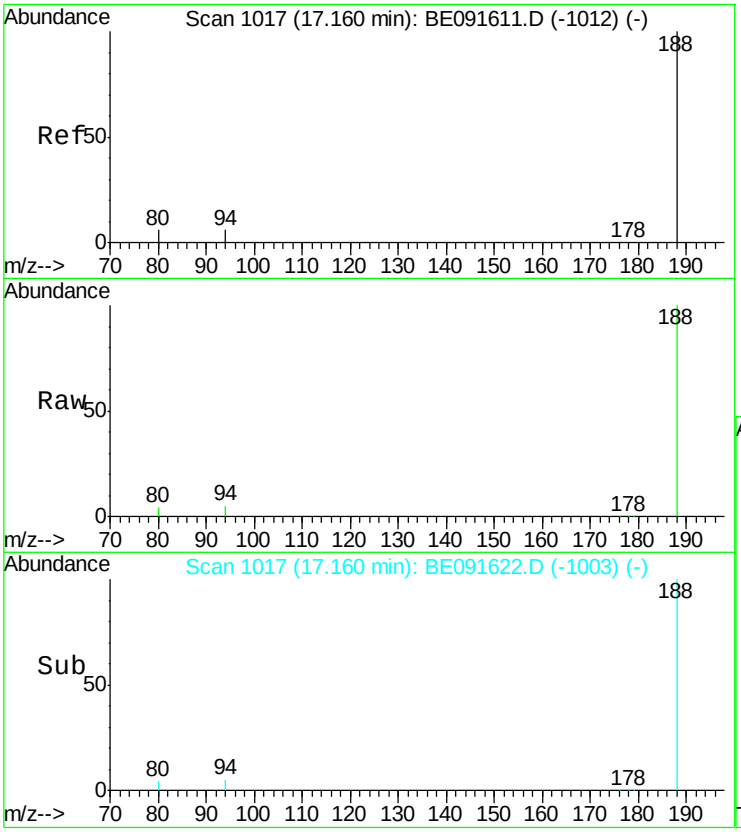


#18
Fluorene
Concen: 0.16 ng
RT: 15.47 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:166 Resp: 6869

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.8	121.2
167	13.6	10.9	16.3



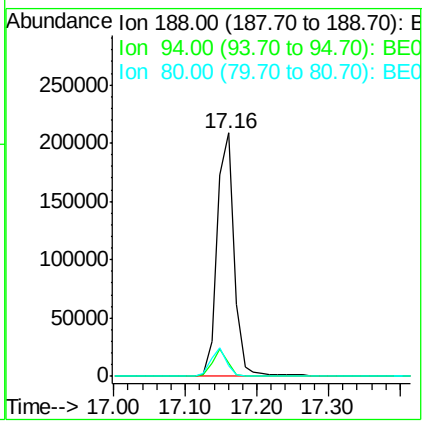


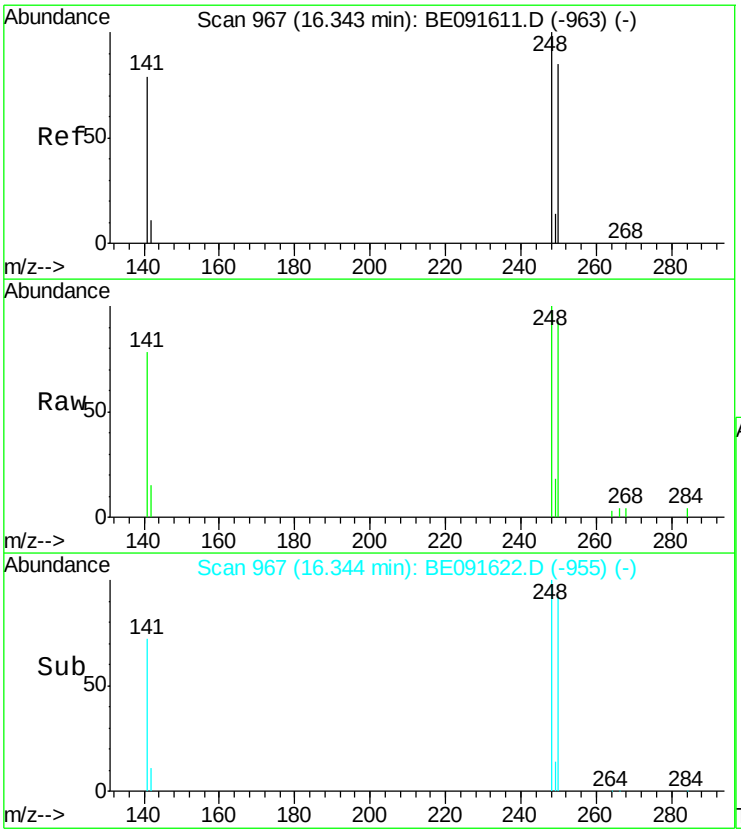
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:188 Resp: 343667

Ion	Ratio	Lower	Upper
188	100		
94	5.2	8.7	13.1#
80	4.5	9.4	14.0#

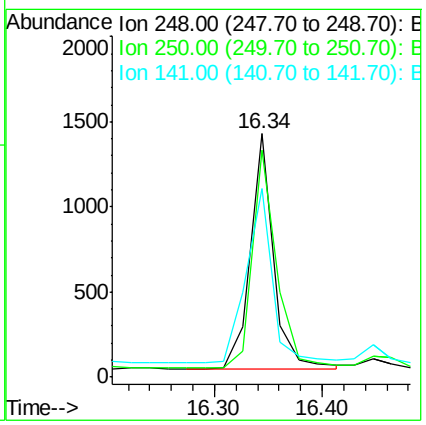


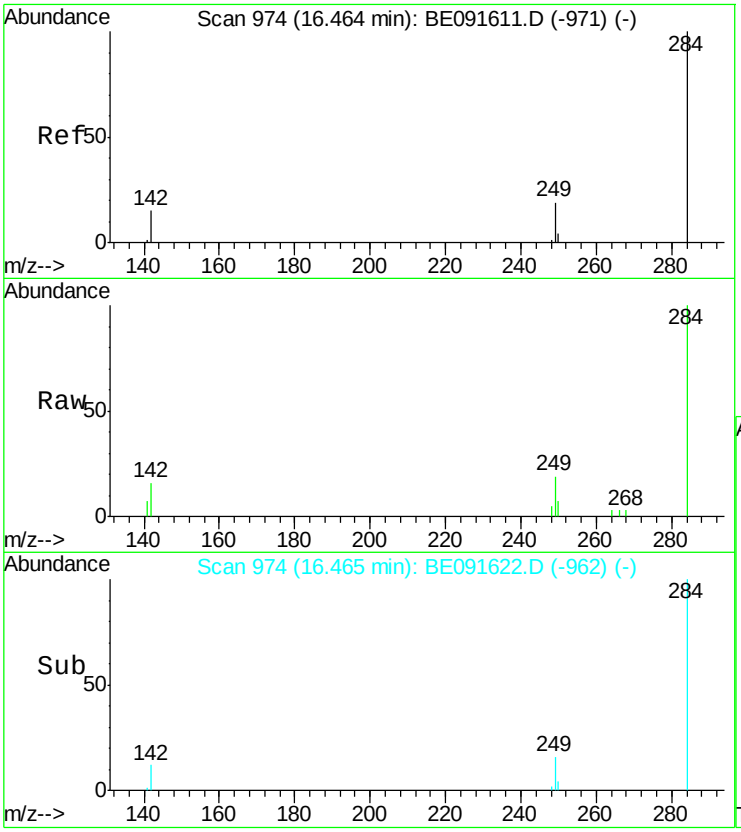


#20
4-Bromophenyl-phenylether
Concen: 0.17 ng
RT: 16.34 min Scan# 967
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:248 Resp: 2042

Ion	Ratio	Lower	Upper
248	100		
250	97.6	80.5	120.7
141	83.0	72.0	108.0



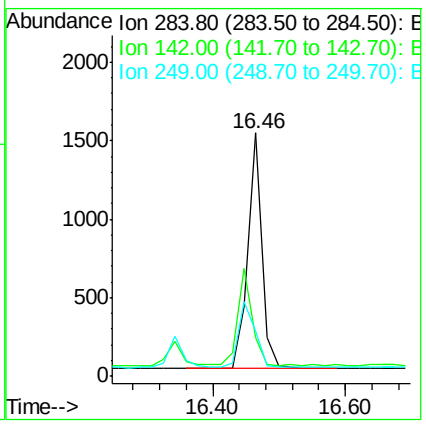


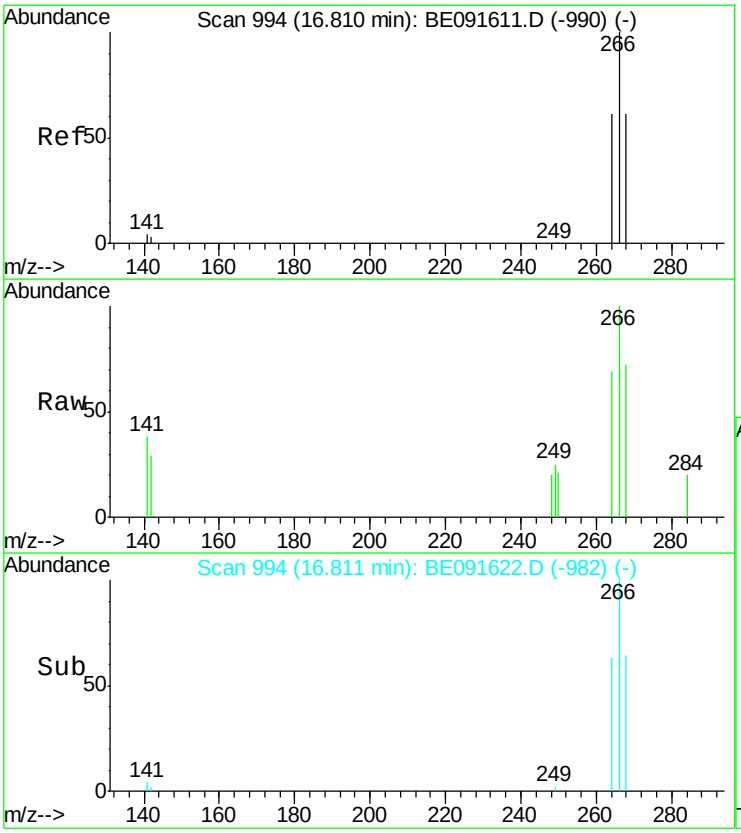
#21
Hexachlorobenzene
Concen: 0.18 ng
RT: 16.46 min Scan# 974
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 2211

Ion	Ratio	Lower	Upper
284	100		
142	41.5	32.2	48.2
249	32.5	25.4	38.2

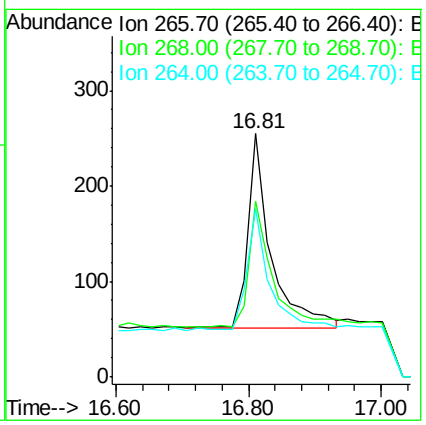


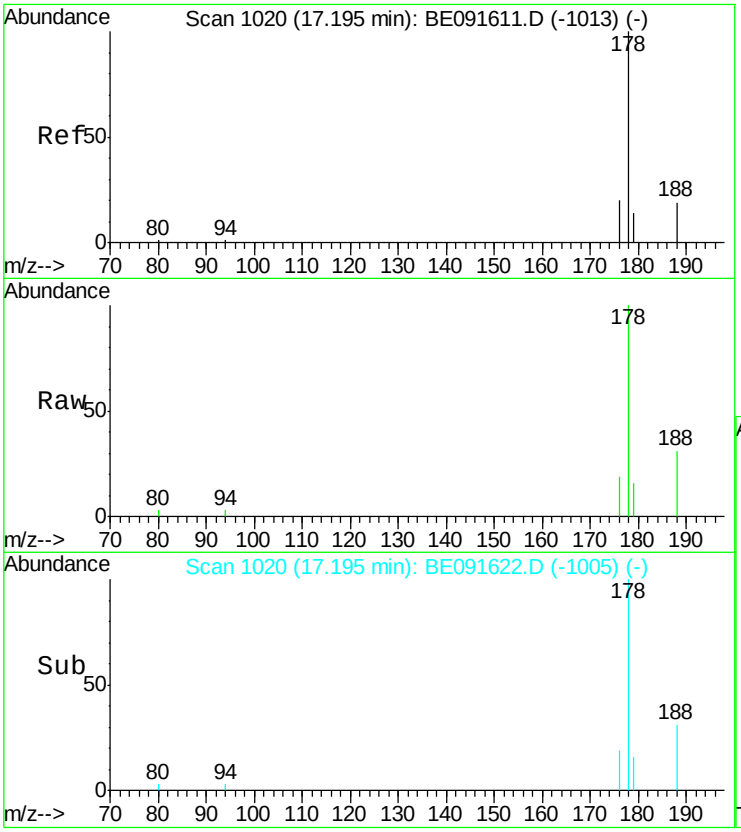


#22
Pentachlorophenol
Concen: 0.30 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:266 Resp: 496

Ion	Ratio	Lower	Upper
266	100		
268	72.2	58.2	87.2
264	69.0	56.2	84.4



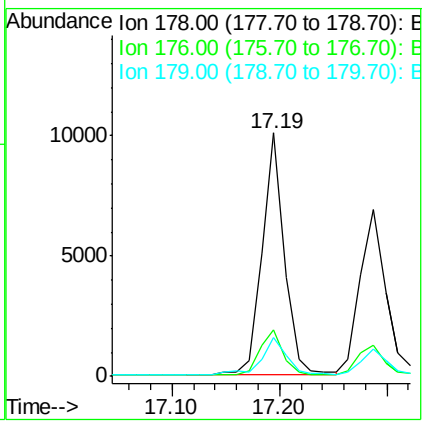


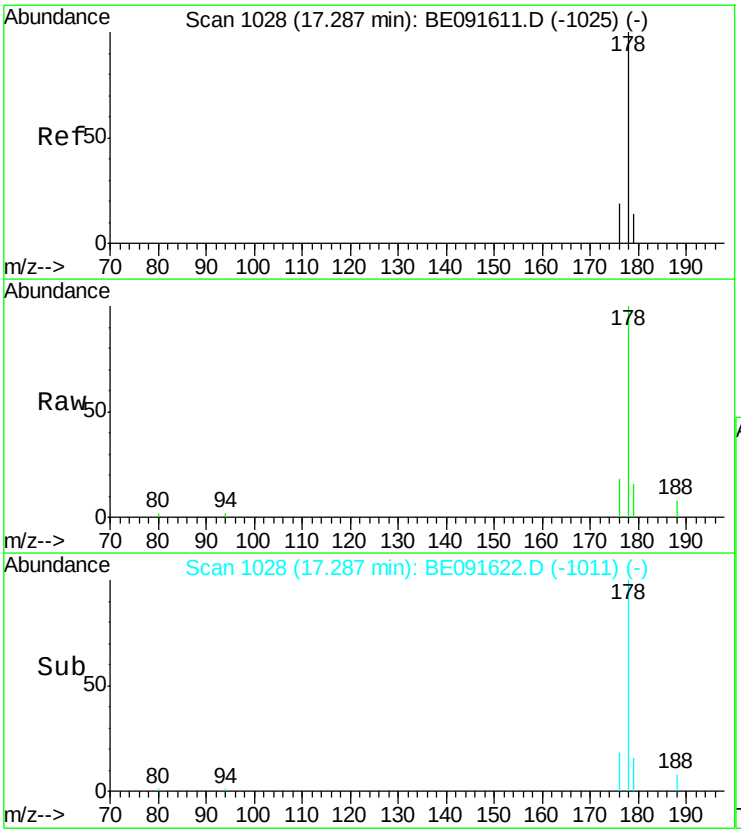
#23
Phenanthrene
Concen: 0.19 ng
RT: 17.19 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:178 Resp: 14562

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	17.3	12.6	18.8

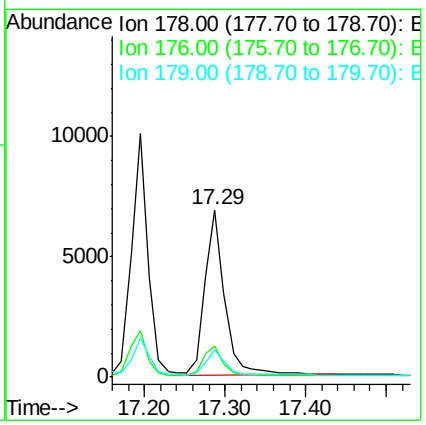


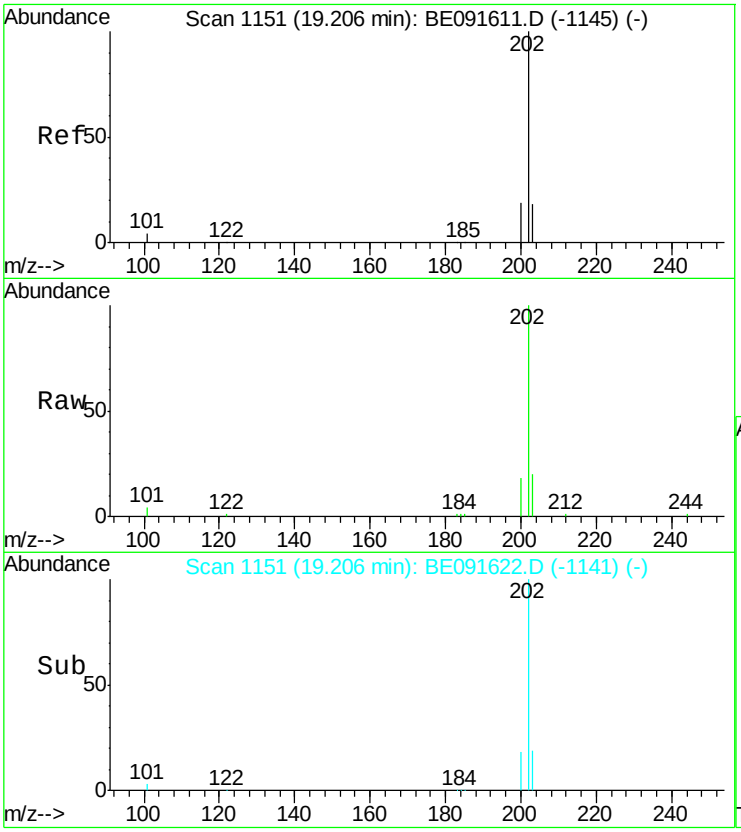


#24
Anthracene
Concen: 0.17 ng
RT: 17.29 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:178 Resp: 11726

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.3	11.8	17.6



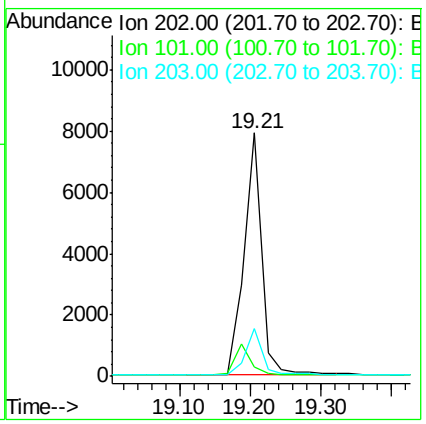


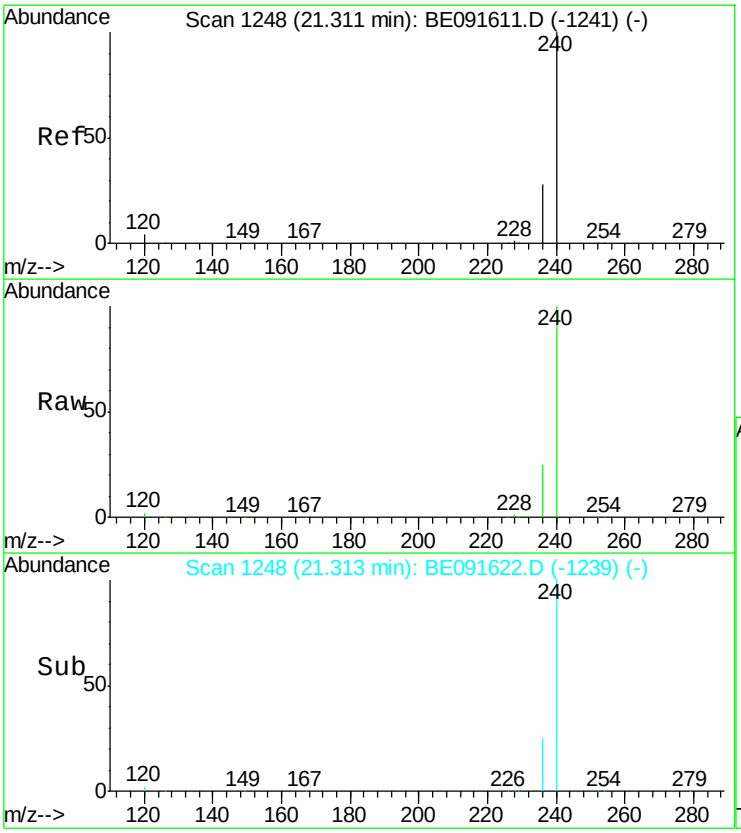
#25
Fluoranthene
Concen: 0.17 ng
RT: 19.21 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:202 Resp: 13851

Ion	Ratio	Lower	Upper
202	100		
101	11.5	11.0	16.6
203	17.8	13.9	20.9

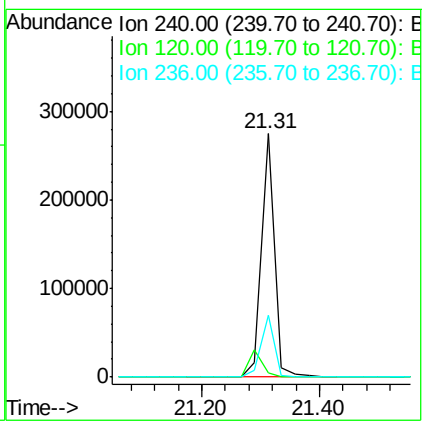


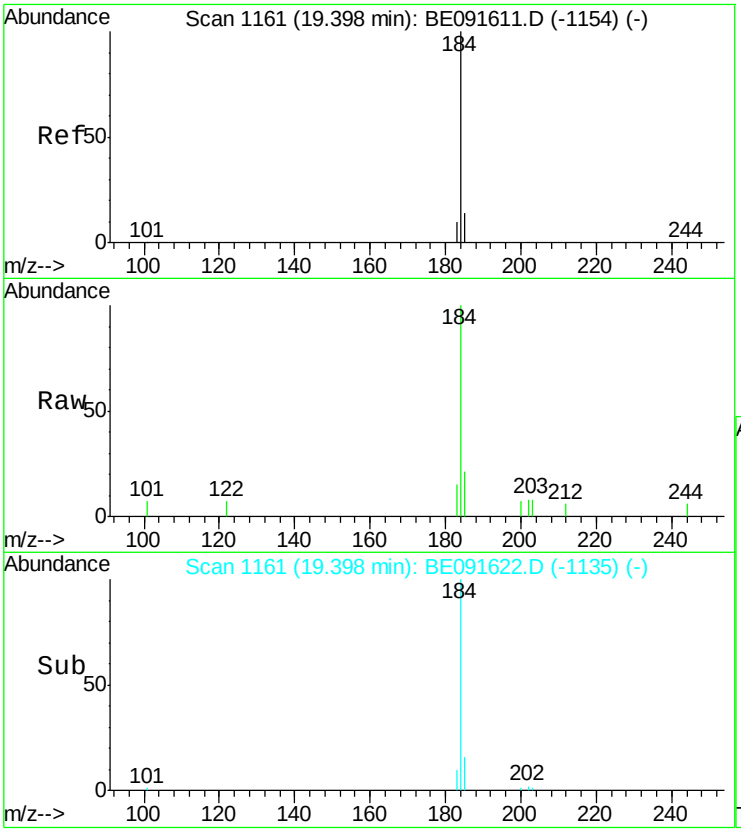


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:240 Resp: 425520

Ion	Ratio	Lower	Upper
240	100		
120	1.8	11.0	16.4#
236	25.4	21.7	32.5



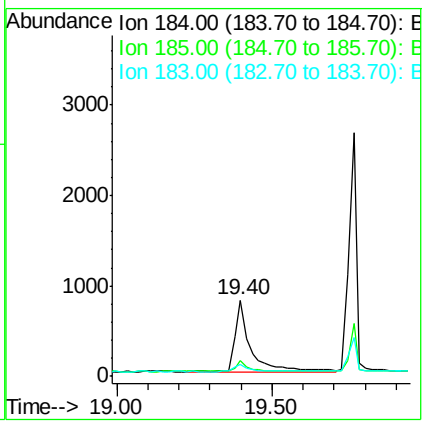


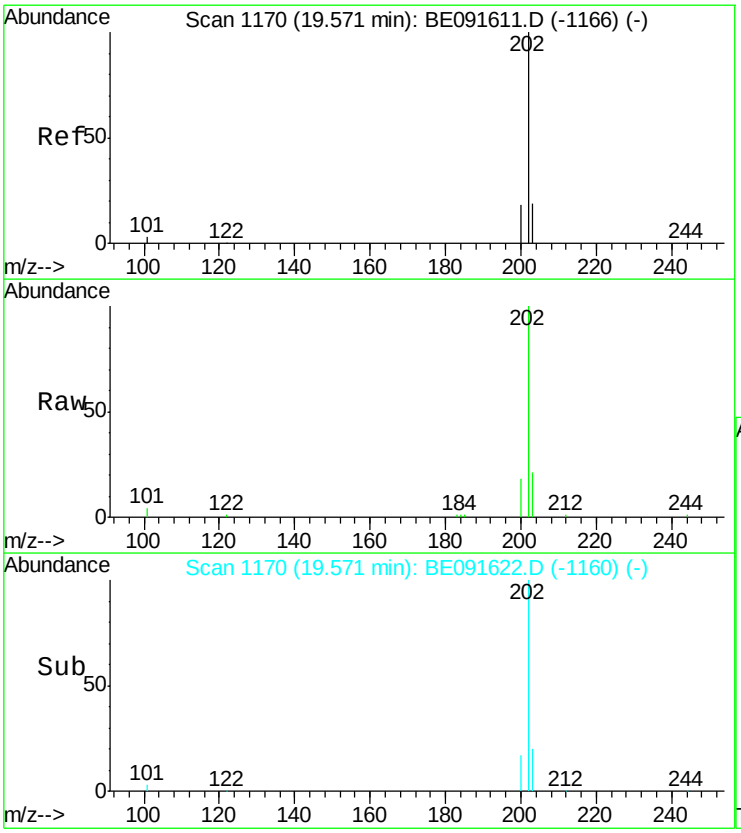
#27
Benzidine
Concen: 0.39 ng
RT: 19.40 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:184 Resp: 2685

Ion	Ratio	Lower	Upper
184	100		
185	21.0	22.3	33.5#
183	15.2	16.4	24.6#

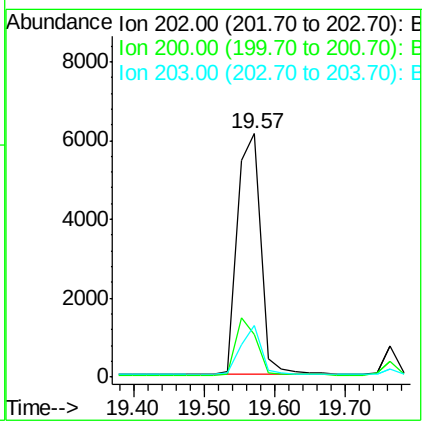


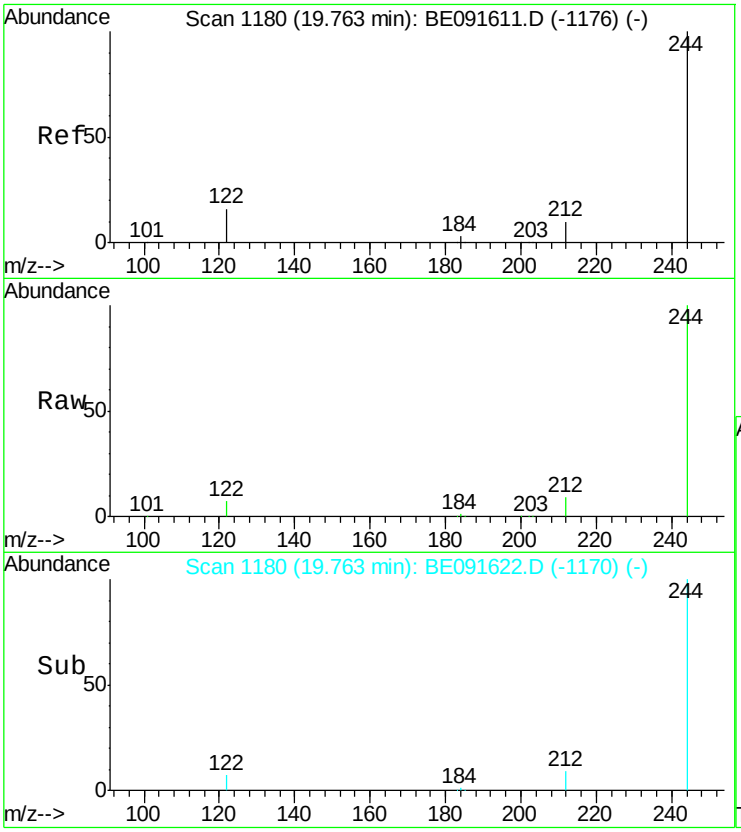


#28
Pyrene
Concen: 0.17 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:202 Resp: 14195

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.1	14.0	21.0



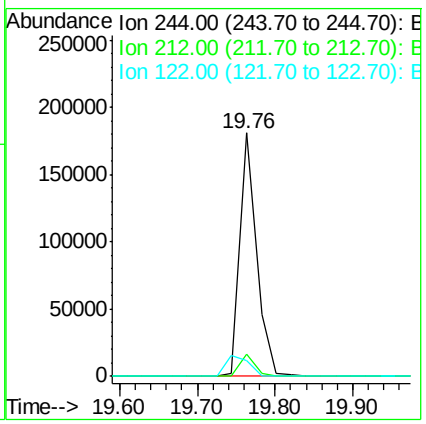


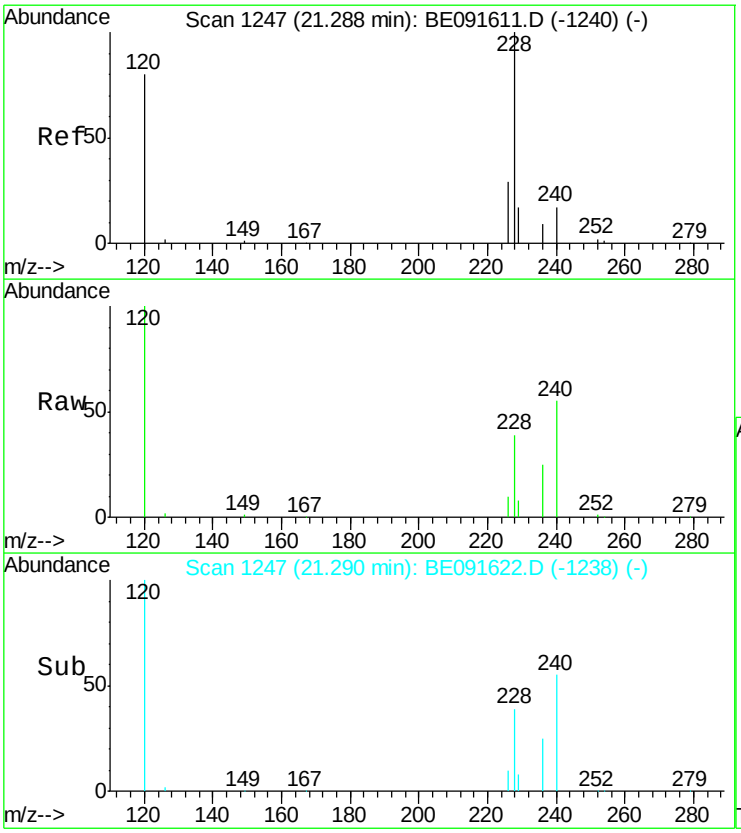
#29
Terphenyl-d14
Concen: 5.09 ng
RT: 19.76 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:244 Resp: 270596

Ion	Ratio	Lower	Upper
244	100		
212	8.9	6.9	10.3
122	6.7	11.0	16.4#

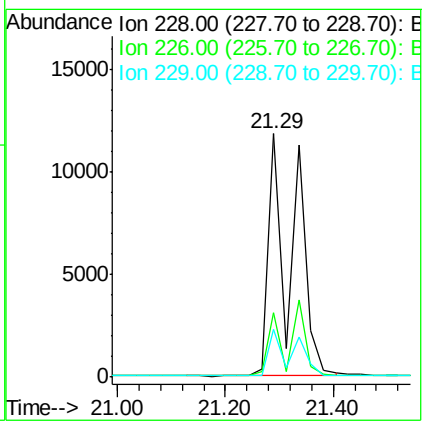


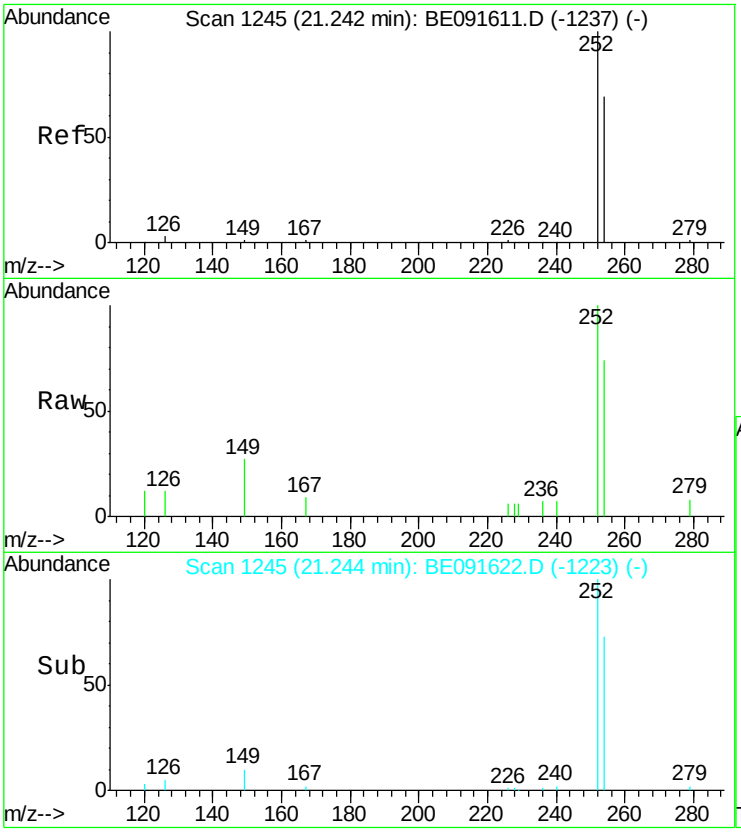


#30
Benzo(a)anthracene
Concen: 0.40 ng
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:228 Resp: 37995

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.4
229	19.8	15.7	23.5



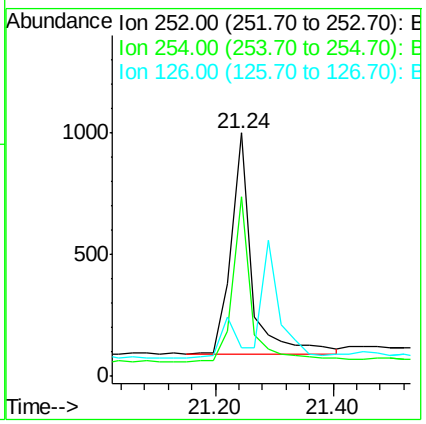


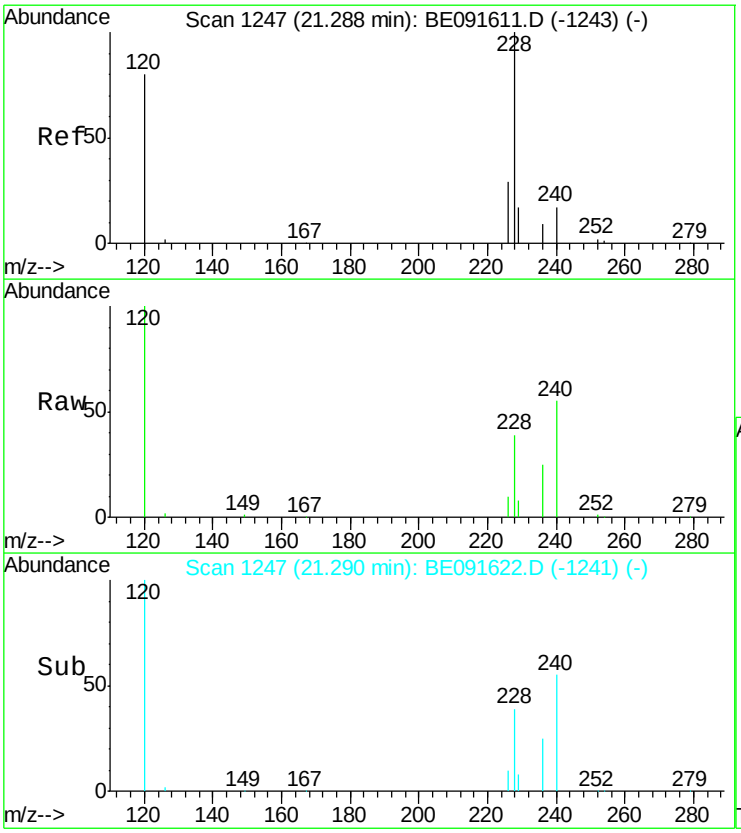
#31
3,3'-Dichlorobenzidine
Concen: 0.19 ng
RT: 21.24 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 2207

Ion	Ratio	Lower	Upper
252	100		
254	73.6	51.1	76.7
126	11.9	12.6	18.8#

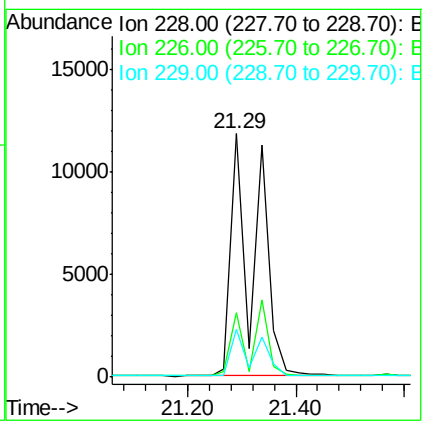


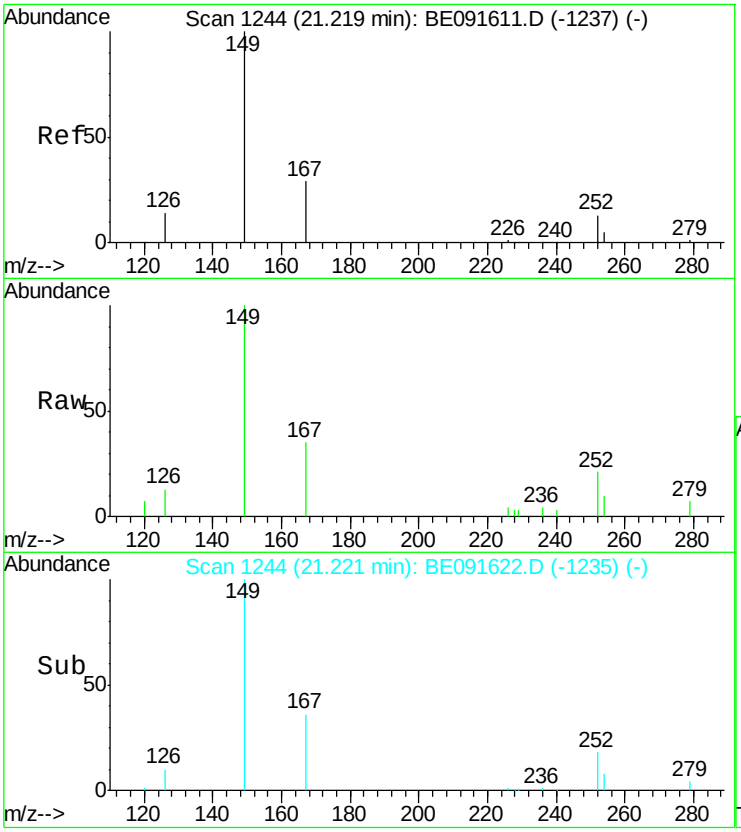


#32
Chrysene
Concen: 0.44 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.07 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:228 Resp: 38290

Ion	Ratio	Lower	Upper
228	100		
226	26.3	24.0	36.0
229	19.8	15.9	23.9



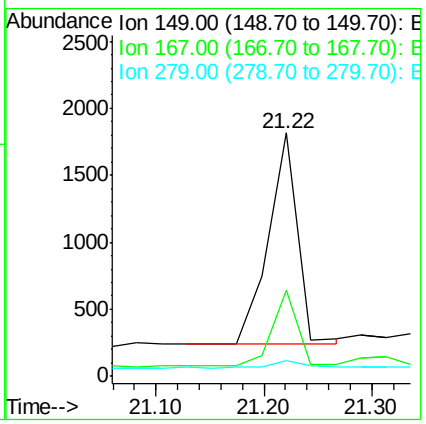


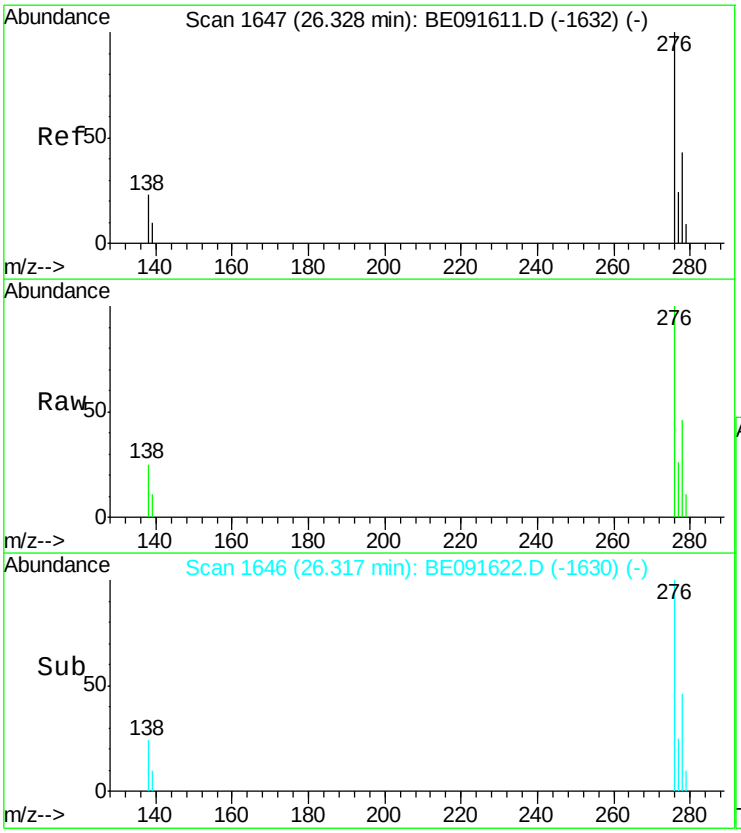
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.31 ng
RT: 21.22 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:149 Resp: 3015

Ion	Ratio	Lower	Upper
149	100		
167	33.2	19.5	29.3#
279	4.3	10.0	15.0#

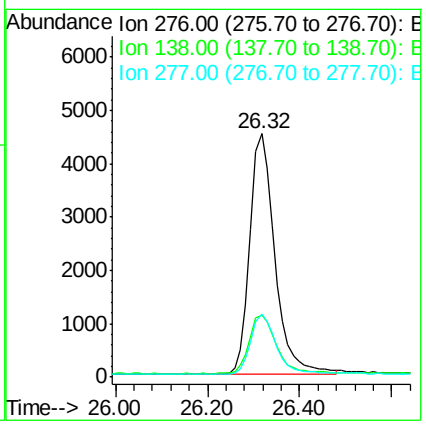


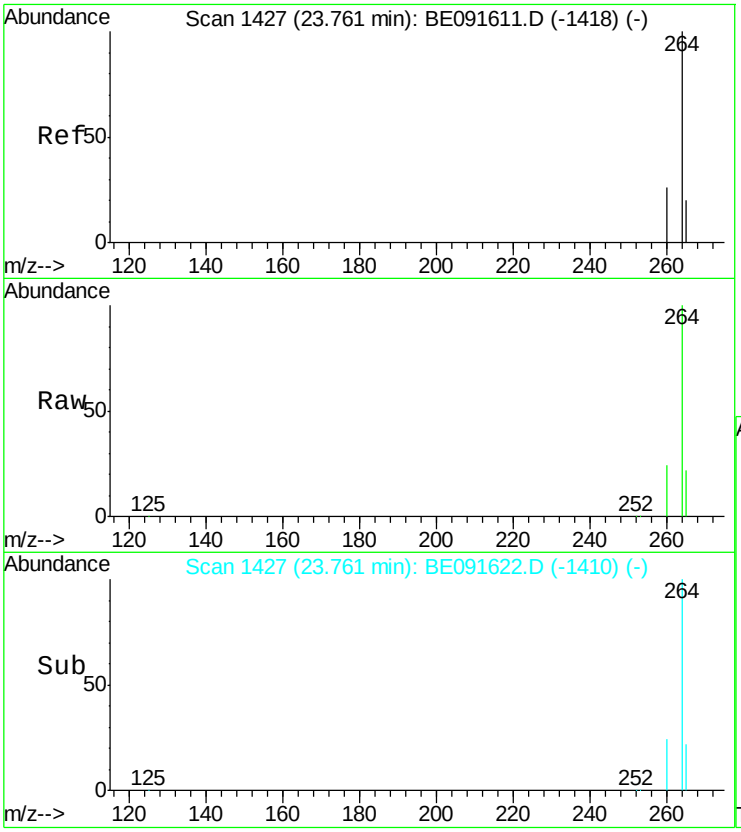


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.18 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.01 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:276 Resp: 17095

Ion	Ratio	Lower	Upper
276	100		
138	26.1	23.4	35.2
277	24.9	19.8	29.8



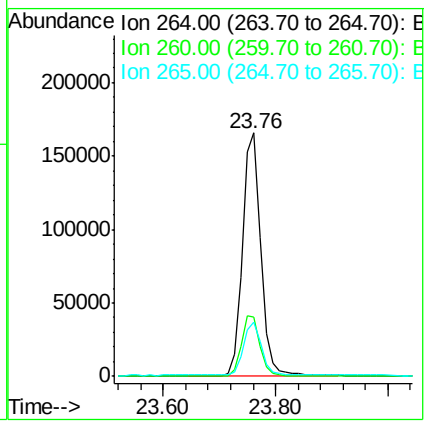


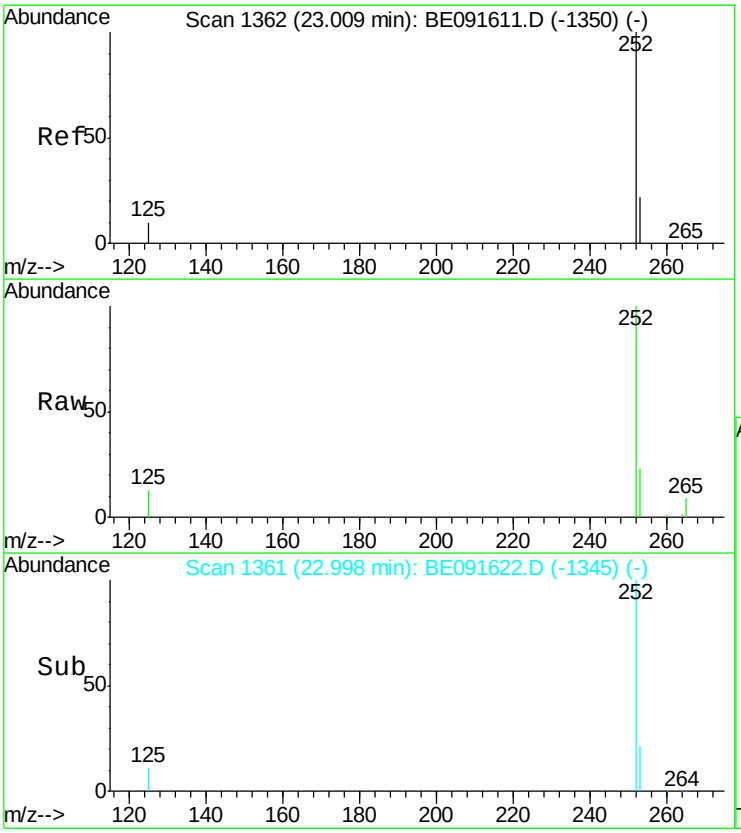
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:264 Resp: 382692

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.0	30.0
265	22.5	17.5	26.3

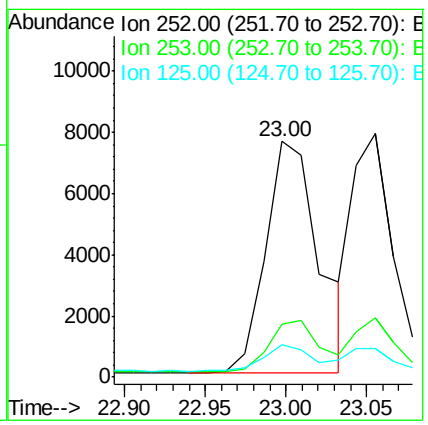


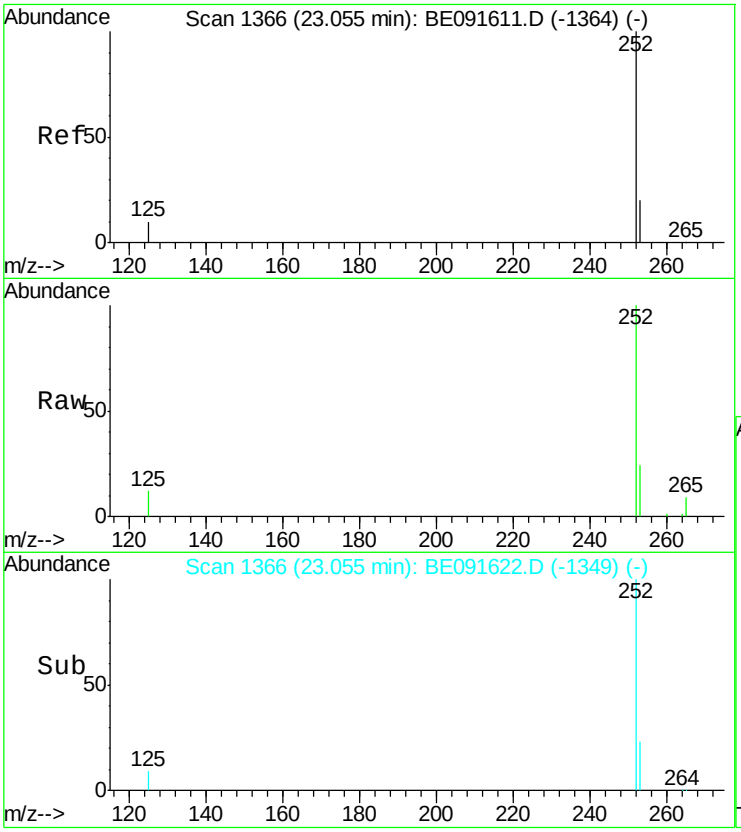


#36
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 23.00 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:252 Resp: 17502

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	13.5	10.2	15.2



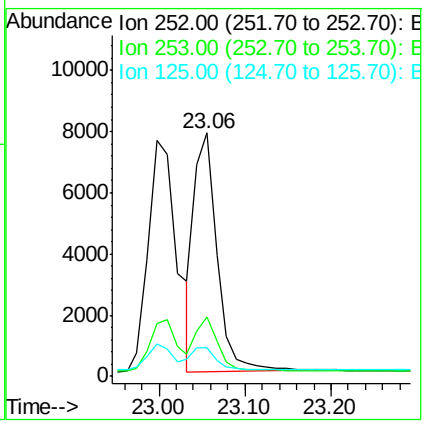


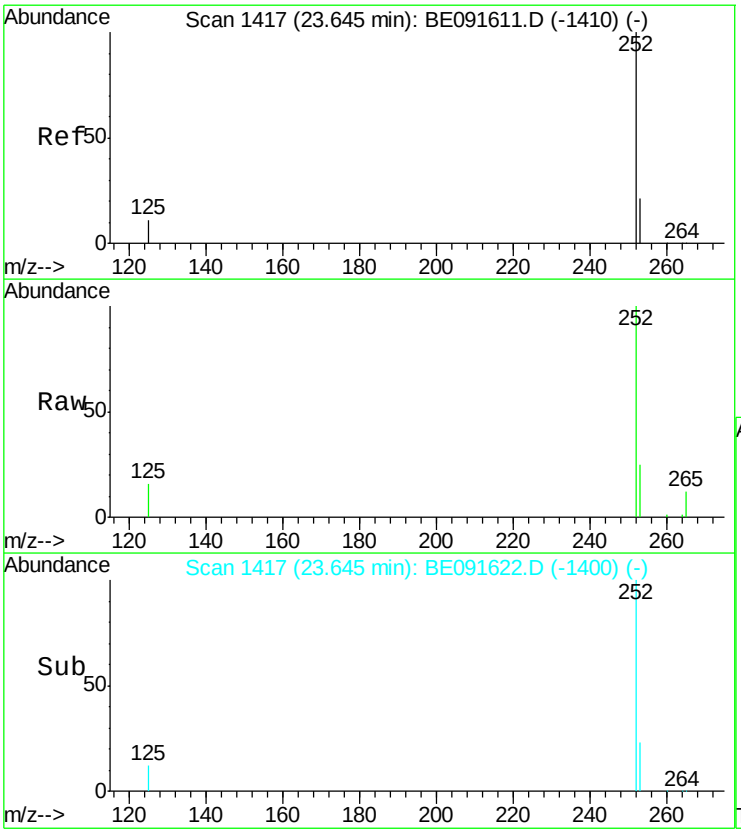
#37
Benzo(k)fluoranthene
Concen: 0.16 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 14351

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	11.6	9.9	14.9

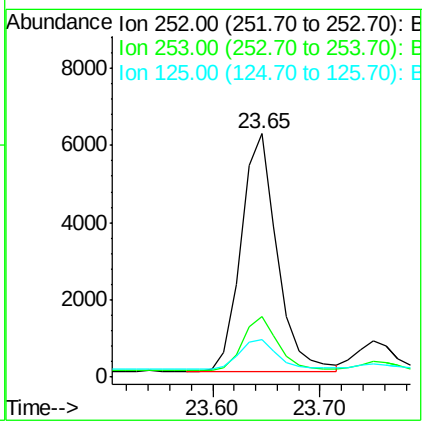


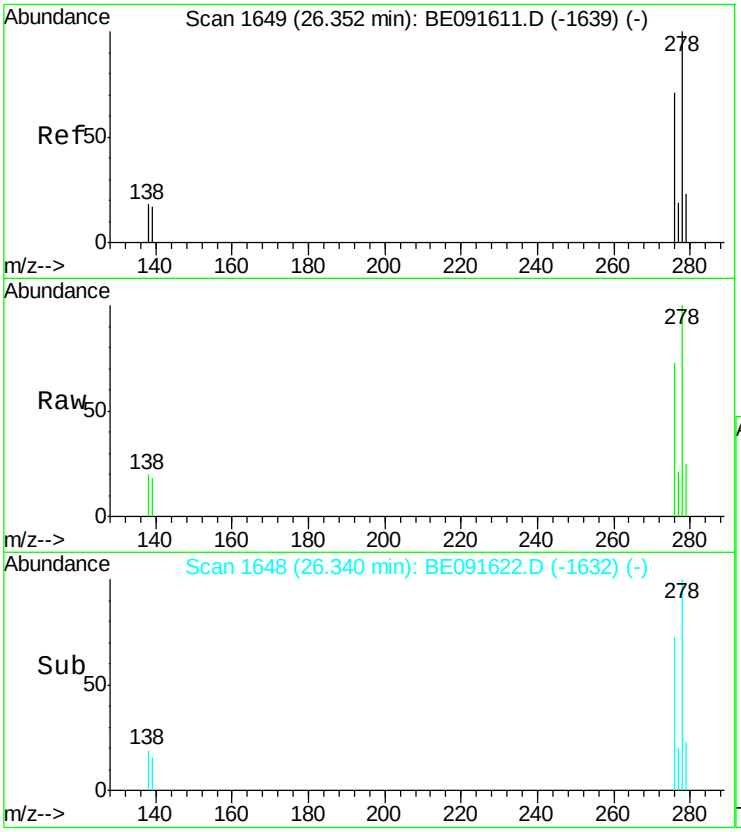


#38
Benzo(a)pyrene
Concen: 0.17 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:252 Resp: 14271

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	15.5	11.0	16.4



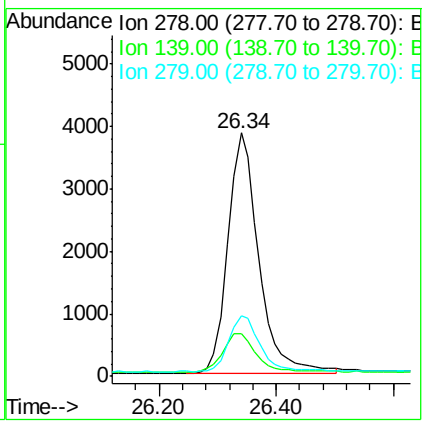


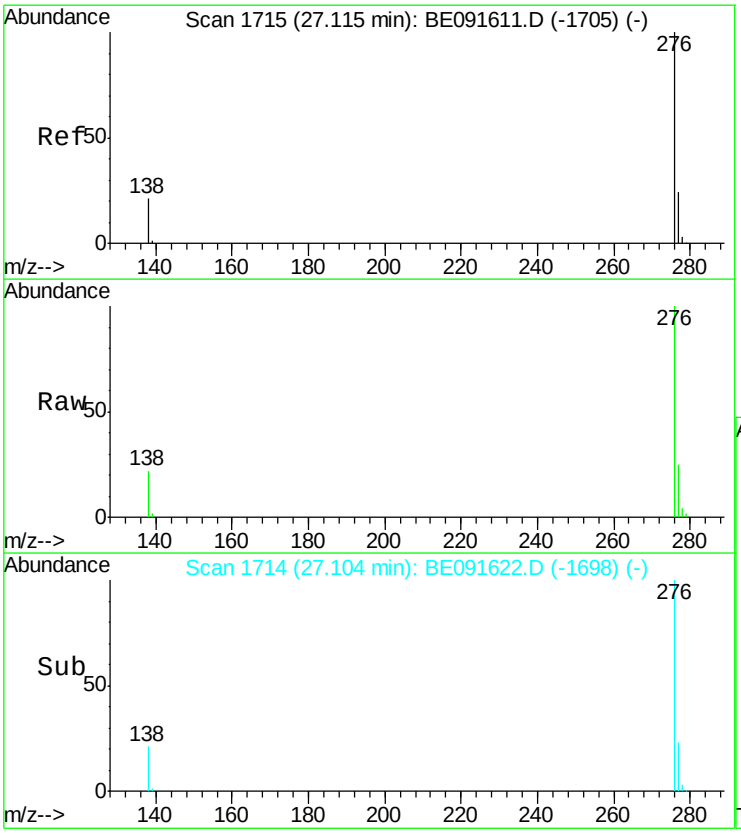
#39
Dibenzo(a,h)anthracene
Concen: 0.17 ng
RT: 26.34 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:278 Resp: 14016

Ion	Ratio	Lower	Upper
278	100		
139	17.7	16.0	24.0
279	24.9	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 0.17 ng
RT: 27.10 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BE091622.D
Acq: 11 Apr 2016 11:17

Tgt Ion:276 Resp: 14637

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	22.4	20.4	30.6