Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042616\
Data File : BE091718.D
Acq On : 26 Apr 2016 23:44
Operator : UM/SJ
Sample : H1824-04
Misc : LOQ 2PPM
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-SOIL2016-02

Quant Time: Apr 27 00:52:04 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	27568	5.00	ng		0.00
7) Naphthalene-d8	10.58	136	123638	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	73552	5.00	ng		0.00
19) Phenanthrene-d10	17.14	188	183076	5.00	ng		0.00
26) Chrysene-d12	21.31	240	220876	5.00	ng		0.00
35) Perylene-d12	23.75	264	206683	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	55155	8.14	ng		0.00
5) Phenol-d6	6.96	99	75556	8.41	ng		0.00
8) Nitrobenzene-d5	8.95	82	33347	4.18	ng		0.00
14) 2,4,6-Tribromophenol	15.89	330	20556	7.52	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	83516	4.01	ng		0.00
29) Terphenyl-d14	19.76	244	141018	4.09	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	757	0.14	ng	#	88
3) n-Nitrosodimethylamine	3.60	42	220	0.04	ng	#	1
6) bis(2-Chloroethyl)ether	7.22	93	1568	0.20	ng	#	69
9) Nitrobenzene	8.99	77	1840	0.22	ng	#	93
10) Naphthalene	10.63	128	4615	0.18	ng	#	93
11) Hexachlorobutadiene	10.90	225	923	0.25	ng		91
12) 2-Methylnaphthalene	12.23	142	3085	0.19	ng		84
16) Acenaphthylene	14.13	152	4270	0.15	ng	#	84
17) Acenaphthene	14.47	154	3365	0.18	ng	#	77
18) Fluorene	15.46	166	4280	0.19	ng		99
20) 4-Bromophenyl-phenylether	16.34	248	1128	0.17	ng	#	84
21) Hexachlorobenzene	16.45	284	1473	0.22	ng	#	78
22) Pentachlorophenol	16.80	266	599	0.26	ng	#	50
23) Phenanthrene	17.18	178	8465	0.20	ng		97
24) Anthracene	17.28	178	7304	0.19	ng		95
25) Fluoranthene	19.19	202	8655	0.20	ng		98
27) Benzidine	19.39	184	1376	0.24	ng	#	80
28) Pyrene	19.56	202	8910	0.18	ng		97
30) Benzo(a)anthracene	21.29	228	9884	0.18	ng		95
31) 3,3'-Dichlorobenzidine	21.22	252	1394	0.05	ng	#	91
32) Chrysene	21.34	228	9885	0.18	ng		92
33) Bis(2-ethylhexyl)phthalate	21.22	149	4038	0.25	ng	#	91
34) Indeno(1,2,3-cd)pyrene	26.31	276	8494	0.17	ng	#	83
36) Benzo(b)fluoranthene	22.99	252	8985	0.19	ng		94
37) Benzo(k)fluoranthene	23.05	252	7092	0.14	ng		97
38) Benzo(a)pyrene	23.63	252	8108	0.18	ng	#	86
40) Benzo(g,h,i)perylene	27.09	276	6592	0.15	ng	#	92

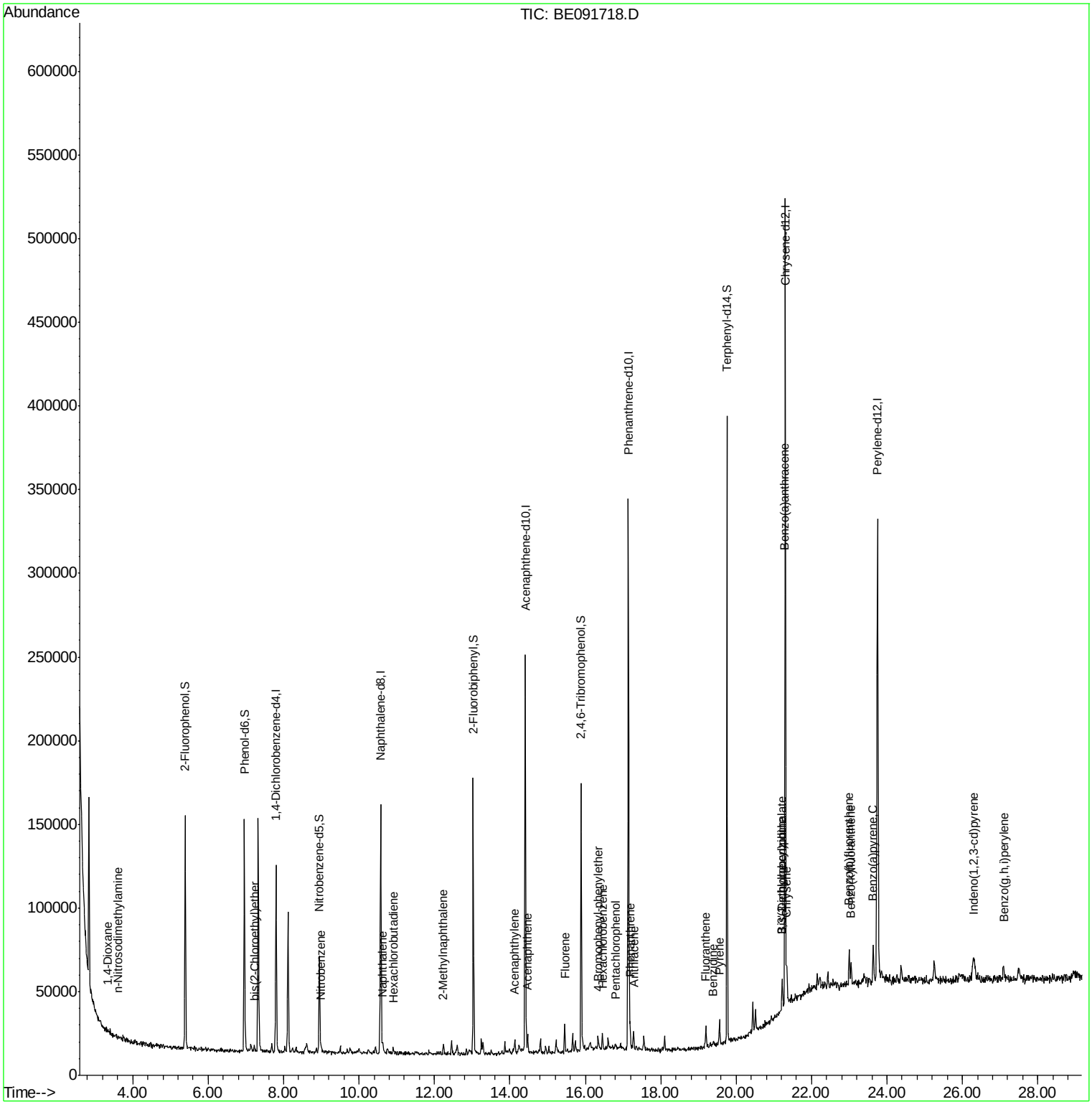
(#) = qualifier out of range (m) = manual integration (+) = signals summed

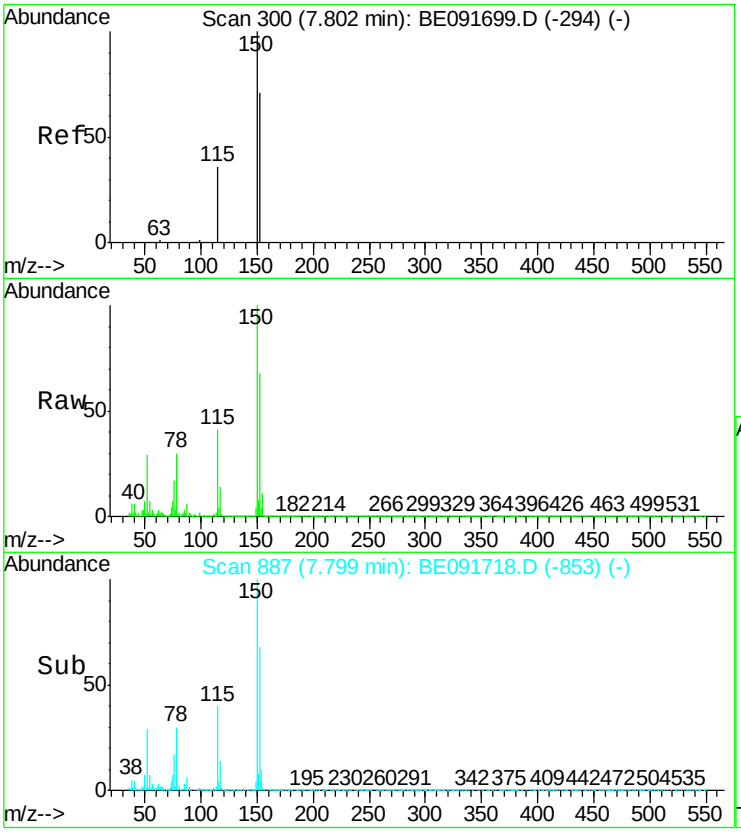
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042616\
Data File : BE091718.D
Acq On : 26 Apr 2016 23:44
Operator : UM/SJ
Sample : H1824-04
Misc : LOQ 2PPM
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Quant Time: Apr 27 00:52:04 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration



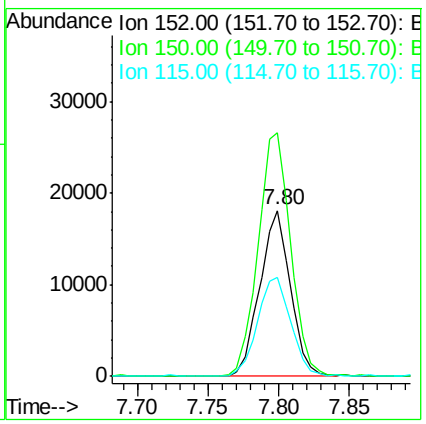


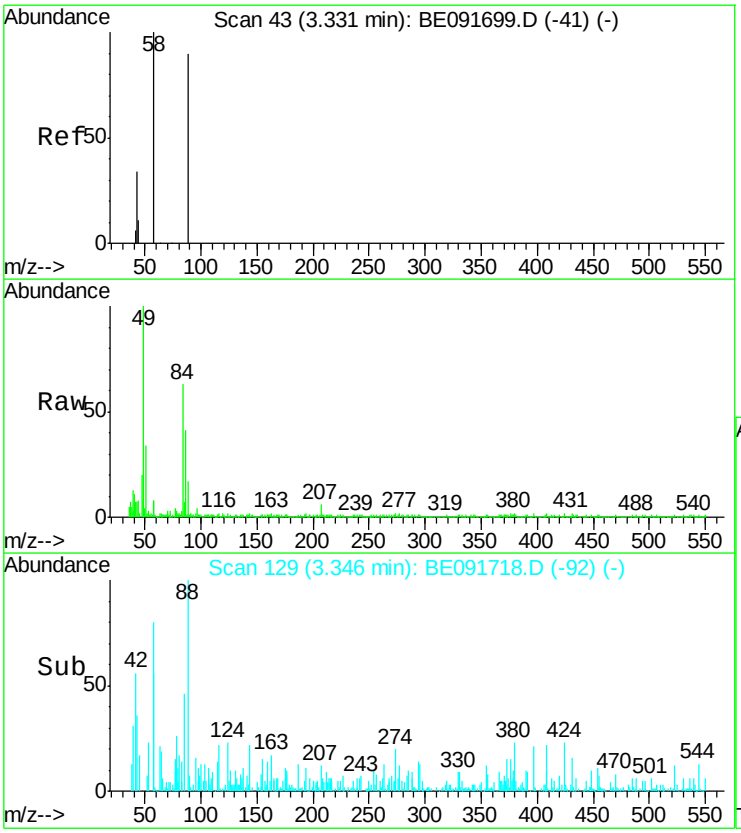
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 887
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:152 Resp: 27568

Ion	Ratio	Lower	Upper
152	100		
150	146.6	122.6	183.8
115	59.7	52.8	79.2

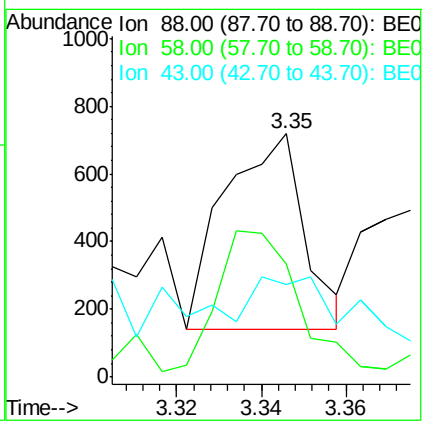


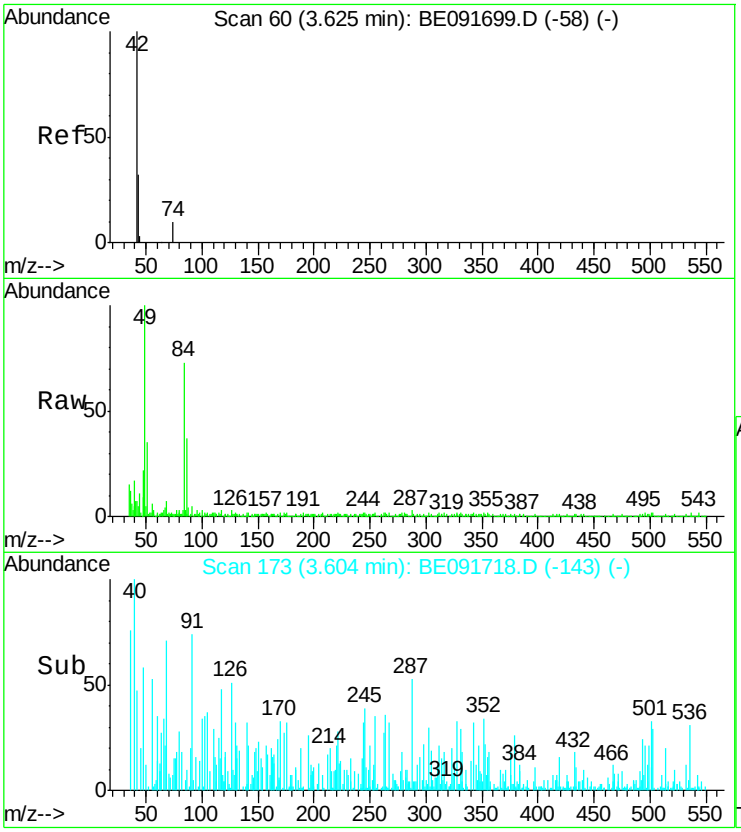


#2
1,4-Dioxane
Concen: 0.14 ng
RT: 3.35 min Scan# 129
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion: 88 Resp: 757

Ion	Ratio	Lower	Upper
88	100		
58	76.6	65.8	98.6
43	46.8	25.3	37.9#



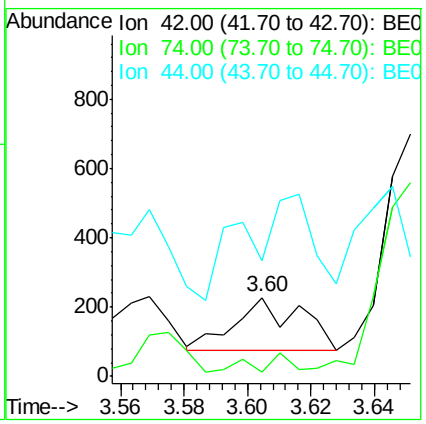


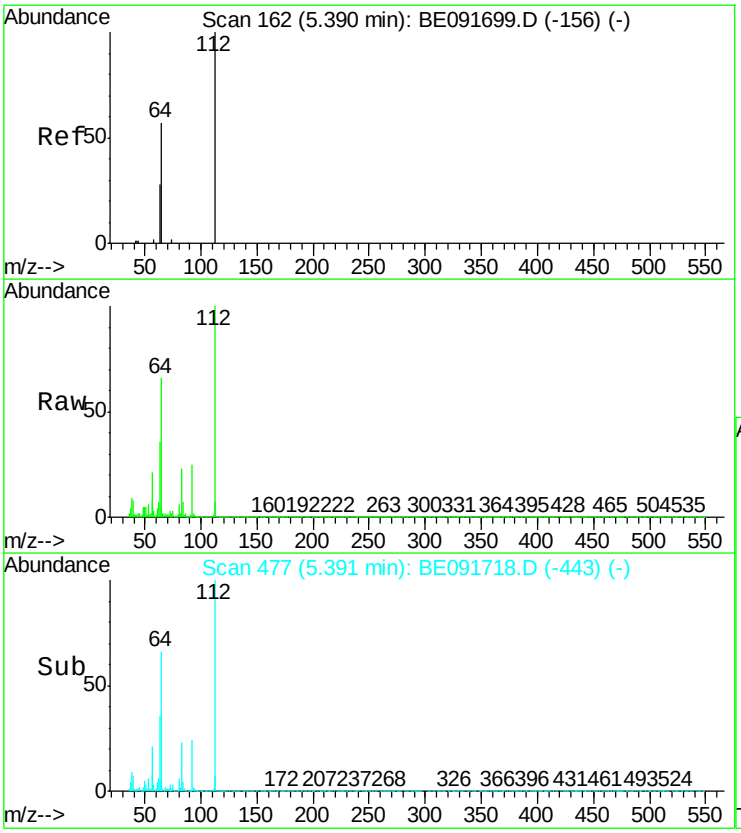
#3
n-Nitrosodimethylamine
Concen: 0.04 ng
RT: 3.60 min Scan# 173
Delta R.T. -0.02 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 42 Resp: 220

Ion	Ratio	Lower	Upper
42	100		
74	0.0	87.9	131.9#
44	211.8	6.6	9.8#

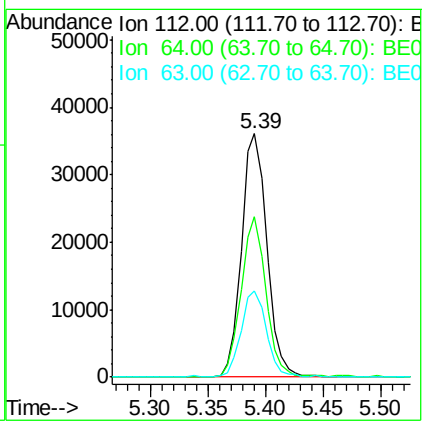


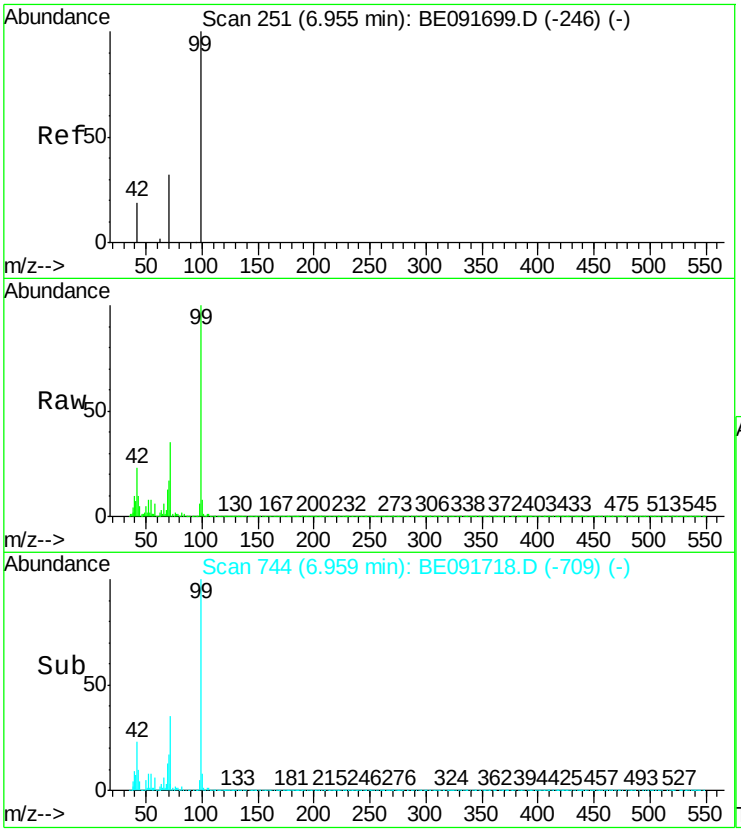


#4
2-Fluorophenol
Concen: 8.14 ng
RT: 5.39 min Scan# 477
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:112 Resp: 55155

Ion	Ratio	Lower	Upper
112	100		
64	63.9	30.9	46.3#
63	35.5	16.7	25.1#



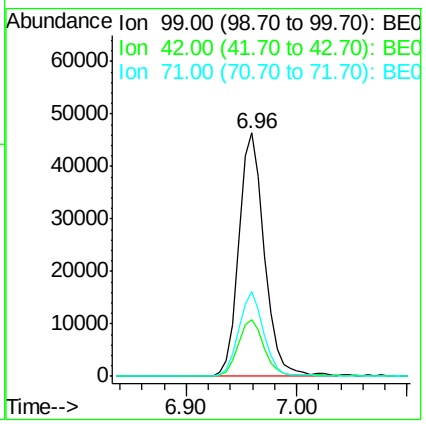


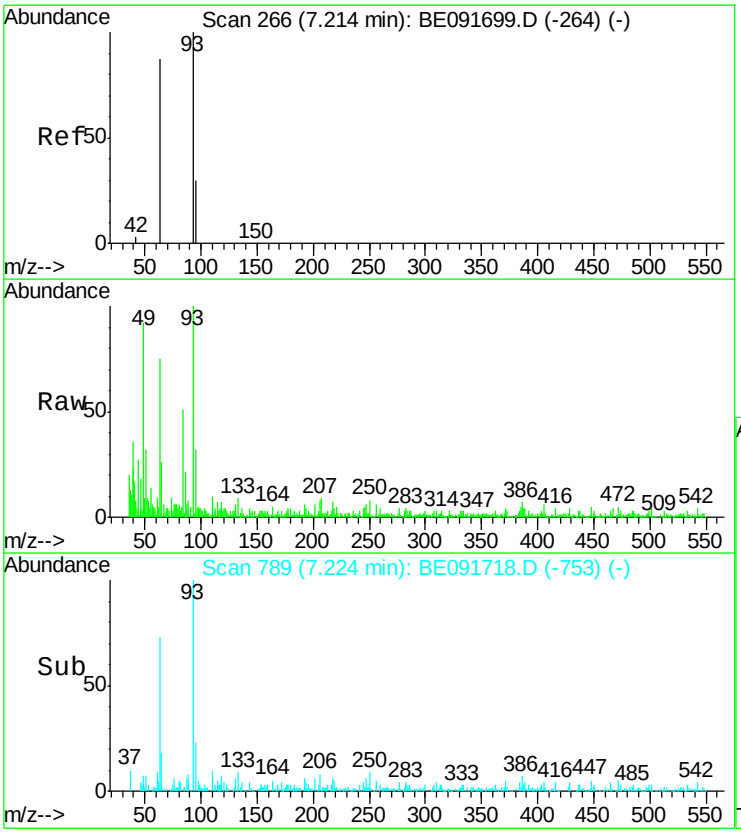
#5
Phenol-d6
Concen: 8.41 ng
RT: 6.96 min Scan# 744
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 99 Resp: 75556

Ion	Ratio	Lower	Upper
99	100		
42	23.9	16.2	24.2
71	34.2	29.0	43.4

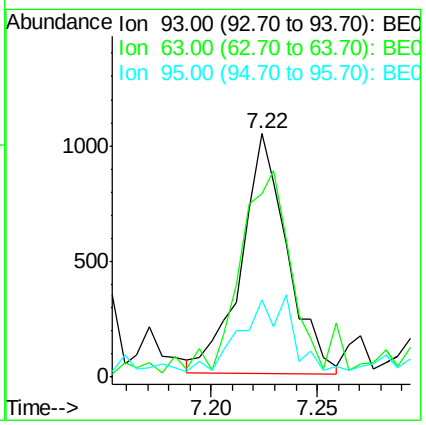


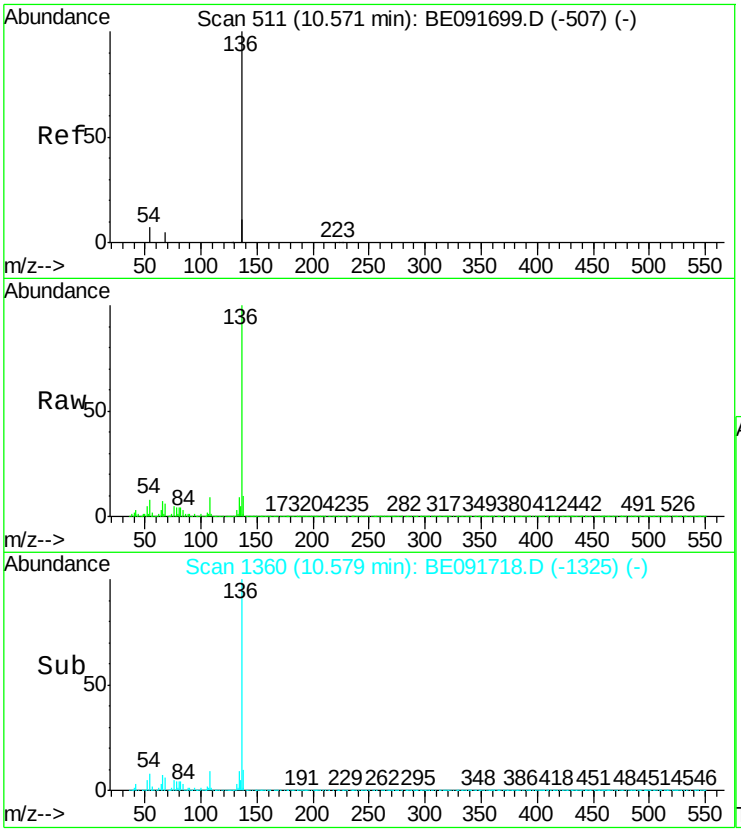


#6
bis(2-Chloroethyl)ether
Concen: 0.20 ng
RT: 7.22 min Scan# 789
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion: 93 Resp: 1568

Ion	Ratio	Lower	Upper
93	100		
63	92.5	49.5	74.3#
95	33.7	22.2	33.4#



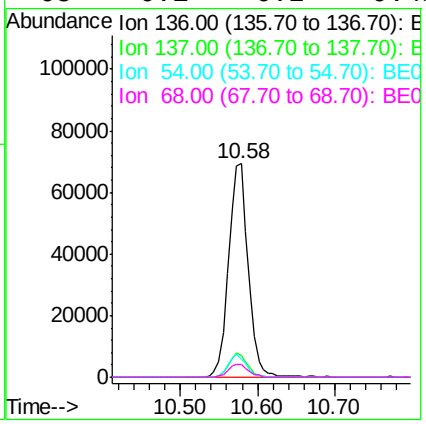


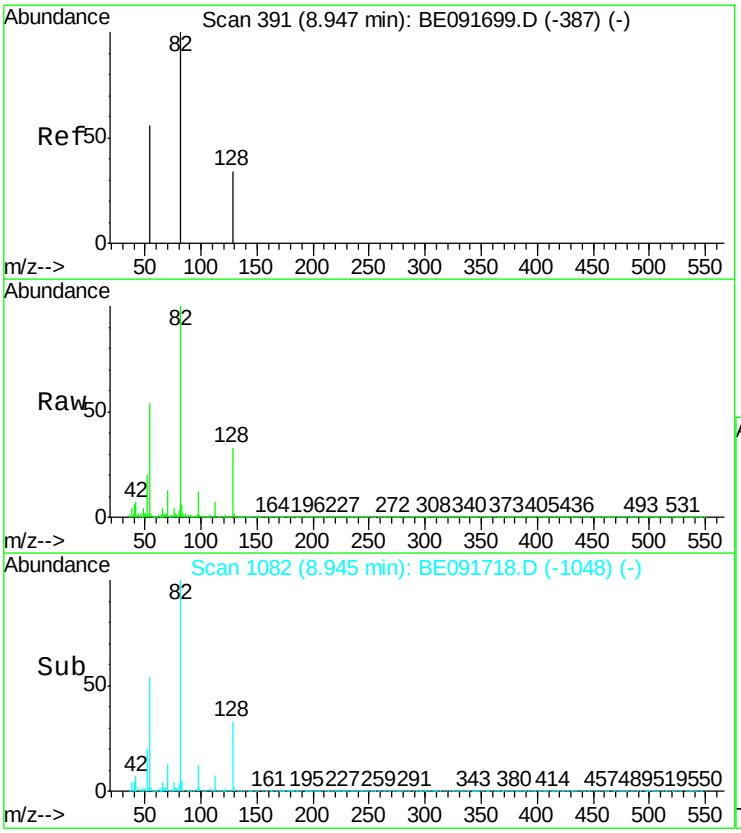
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.58 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:136 Resp: 123638

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	8.4	8.2	12.4
68	6.1	6.2	9.4#

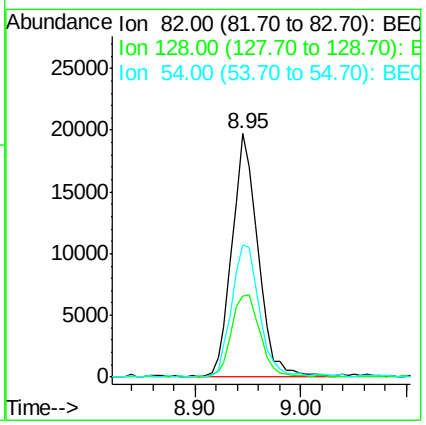


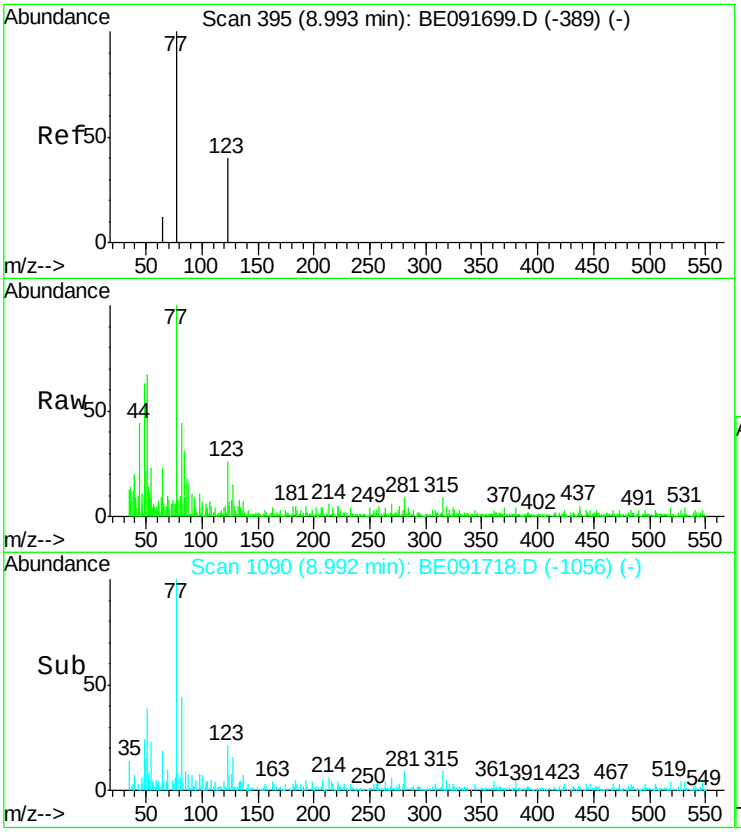


#8
Nitrobenzene-d5
Concen: 4.18 ng
RT: 8.95 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion: 82 Resp: 33347

Ion	Ratio	Lower	Upper
82	100		
128	33.1	25.4	38.0
54	54.1	48.4	72.6



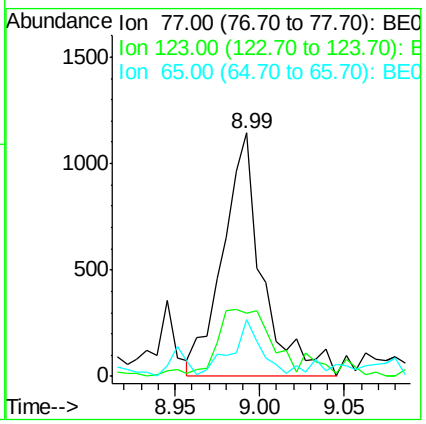


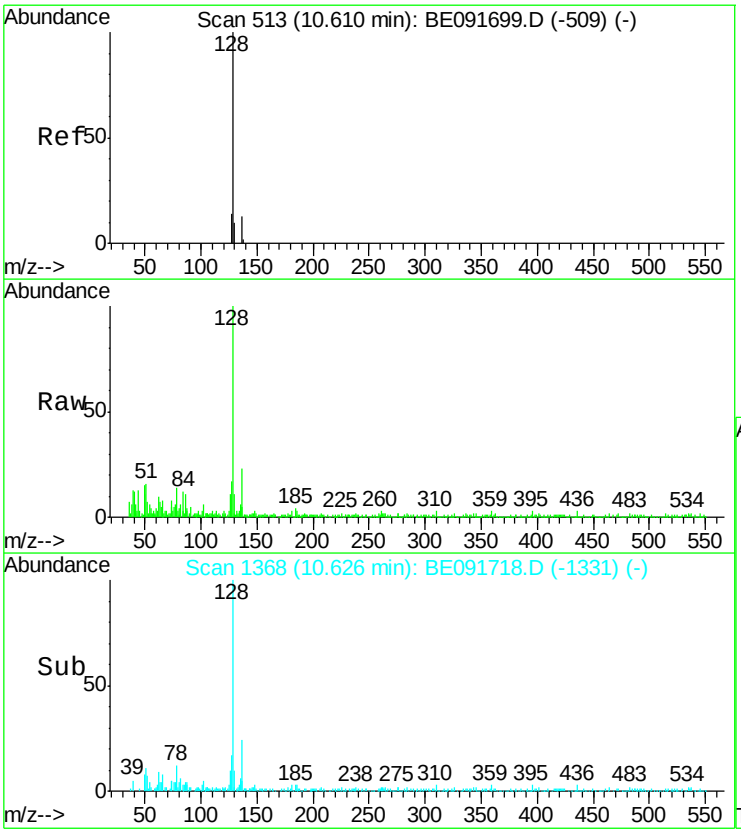
#9
Nitrobenzene
Concen: 0.22 ng
RT: 8.99 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 77 Resp: 1840

Ion	Ratio	Lower	Upper
77	100		
123	36.3	26.9	40.3
65	17.4	9.4	14.2#

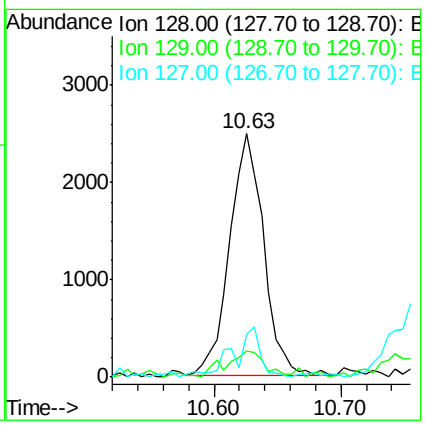


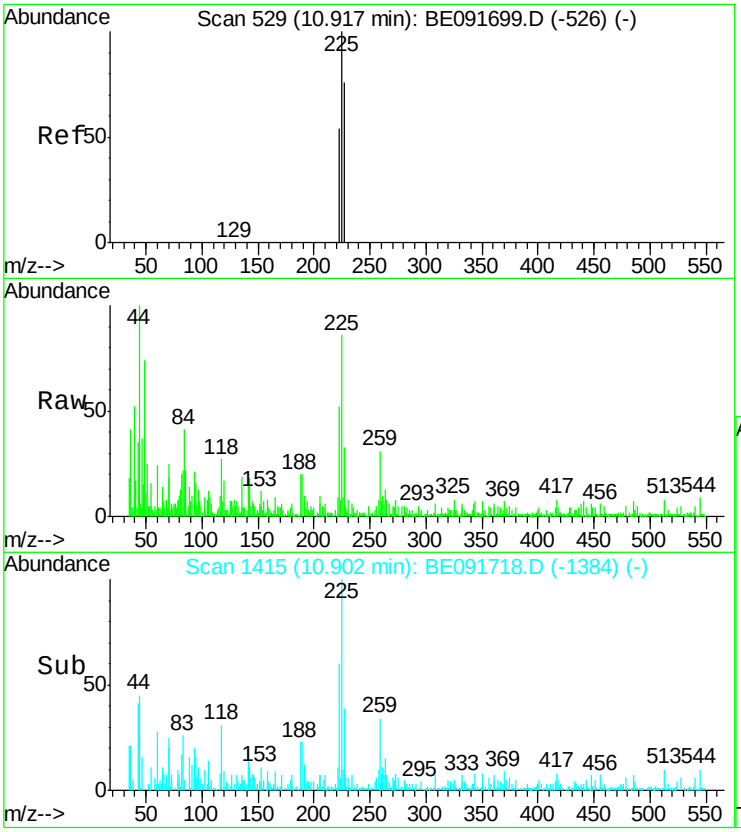


#10
Naphthalene
Concen: 0.18 ng
RT: 10.63 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:128 Resp: 4615

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.3	13.9
127	17.5	10.7	16.1#



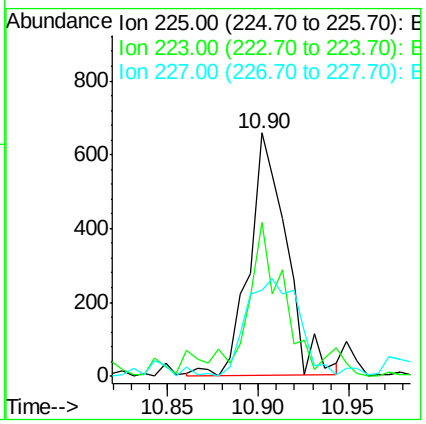


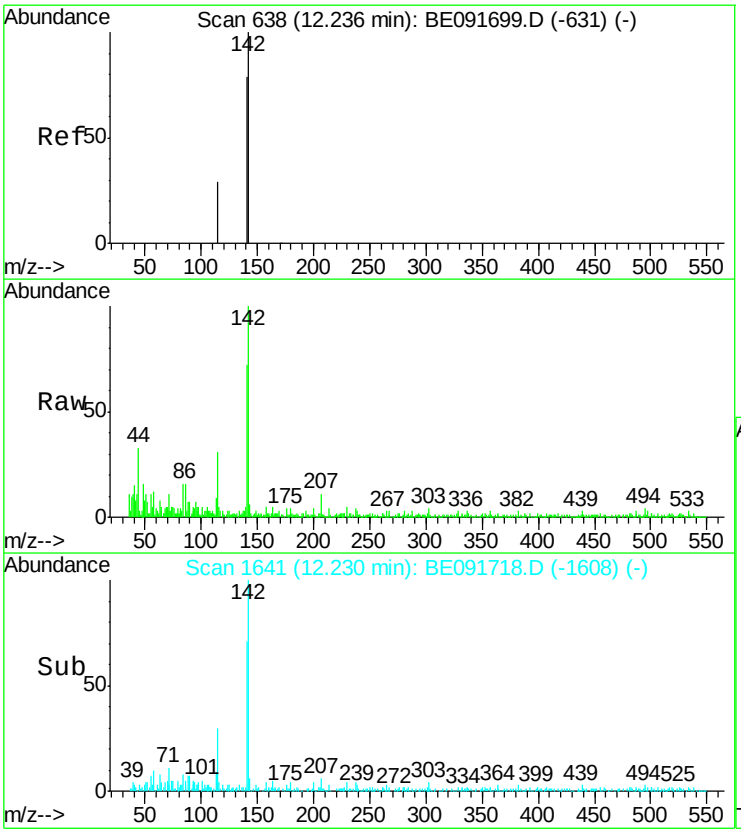
#11
Hexachlorobutadiene
Concen: 0.25 ng
RT: 10.90 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:225 Resp: 923

Ion	Ratio	Lower	Upper
225	100		
223	53.5	49.0	73.6
227	57.4	50.3	75.5

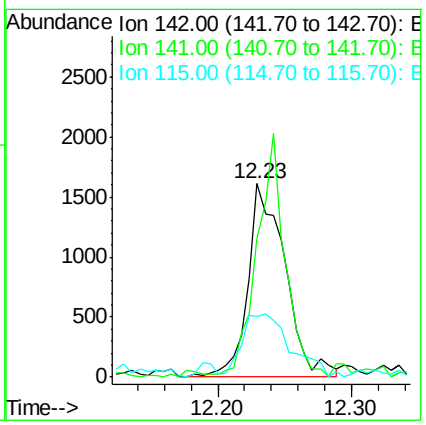


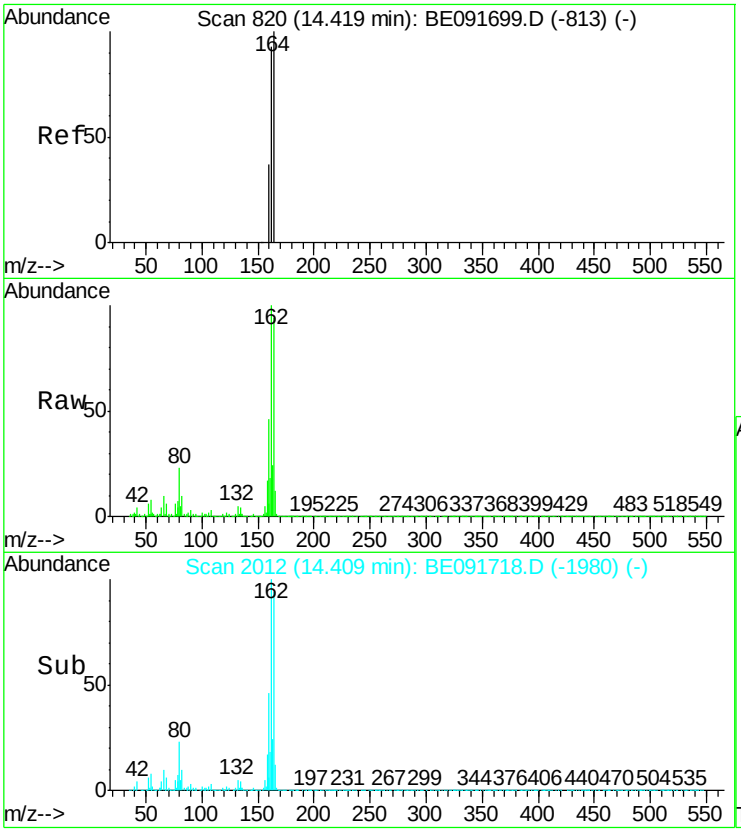


#12
2-Methylnaphthalene
Concen: 0.19 ng
RT: 12.23 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:142 Resp: 3085

Ion	Ratio	Lower	Upper
142	100		
141	71.8	71.4	107.0
115	31.1	30.3	45.5



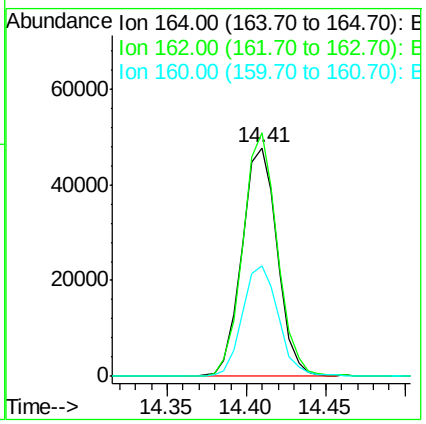


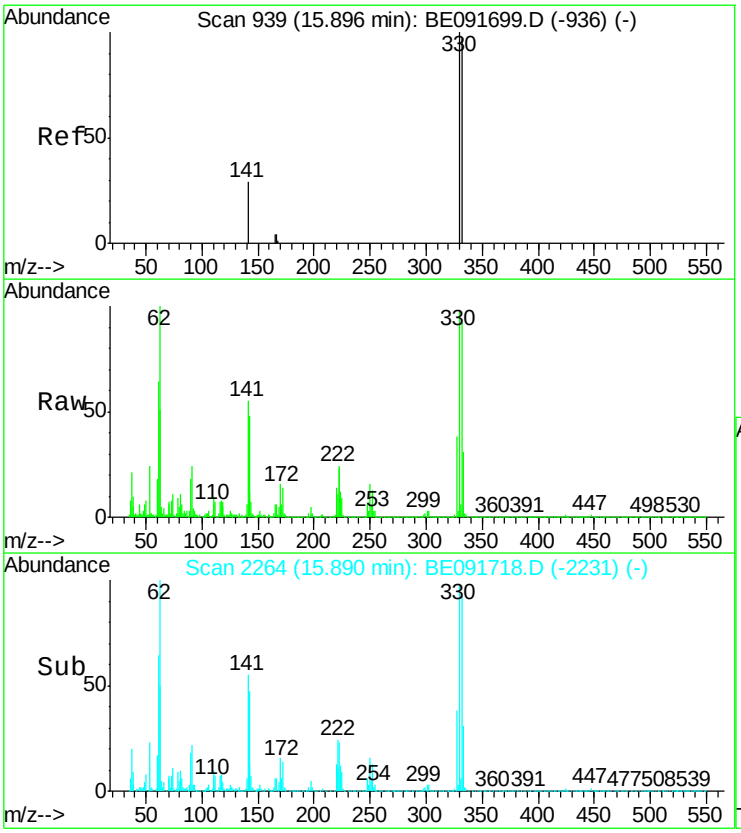
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:164 Resp: 73552

Ion	Ratio	Lower	Upper
164	100		
162	106.6	85.3	127.9
160	48.6	46.2	69.2

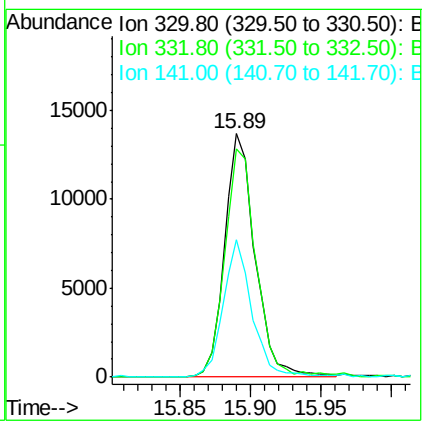


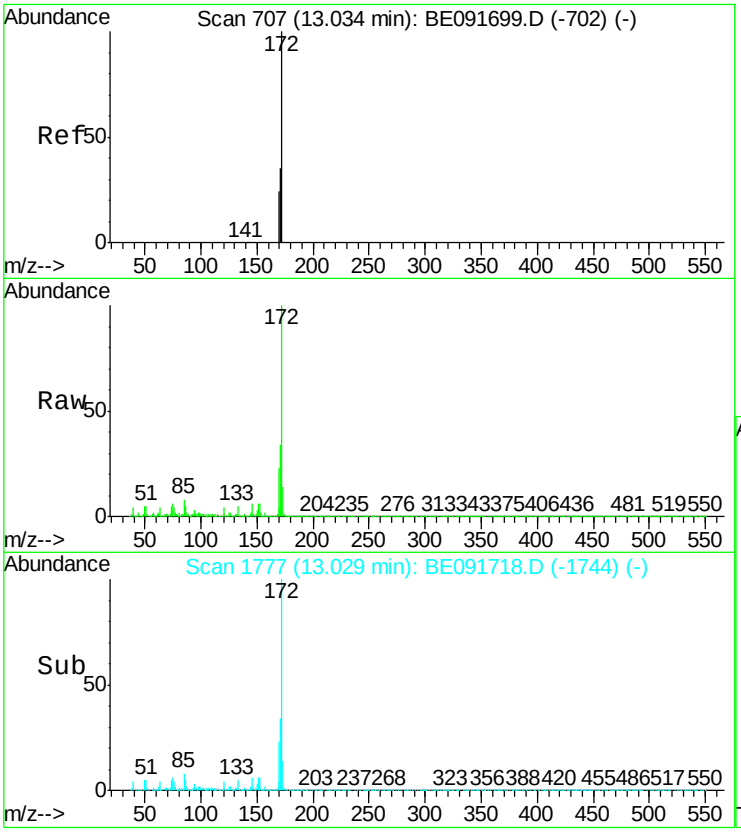


#14
2,4,6-Tribromophenol
Concen: 7.52 ng
RT: 15.89 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:330 Resp: 20556

Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.1	118.7
141	52.4	125.4	188.0#



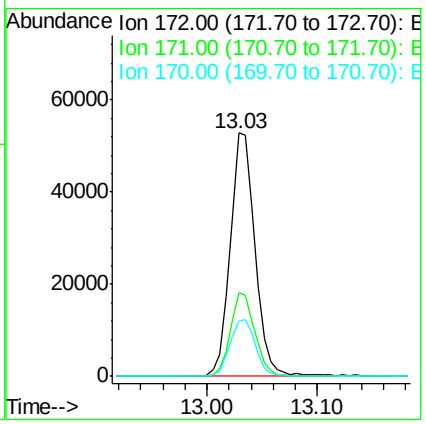


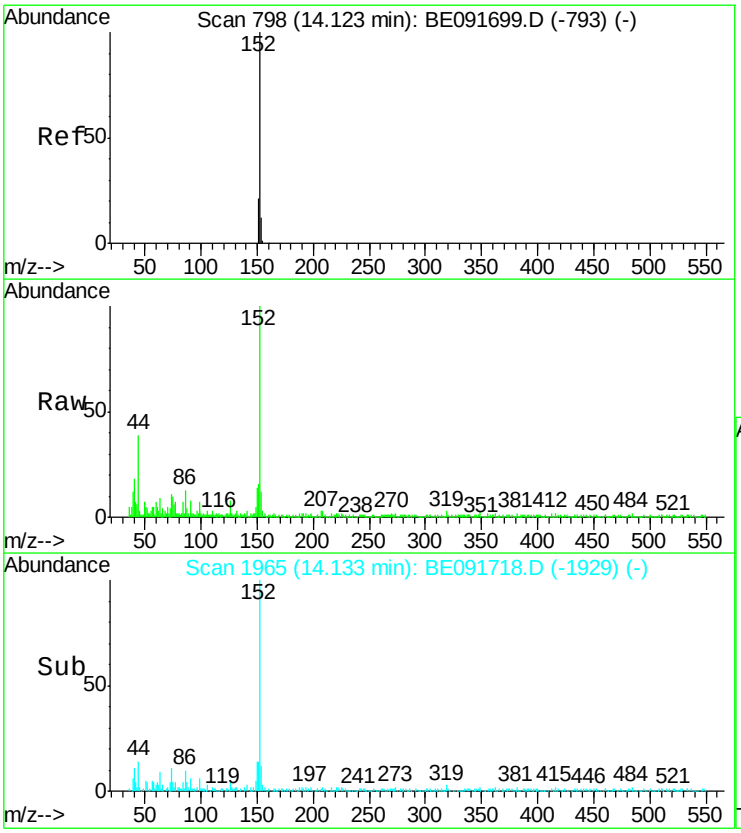
#15
2-Fluorobiphenyl
Concen: 4.01 ng
RT: 13.03 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:172 Resp: 83516

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.8	43.2
170	22.8	19.3	28.9

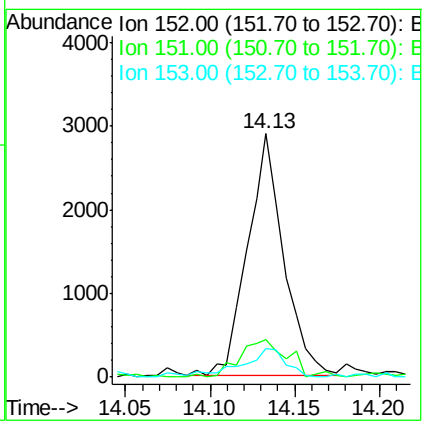


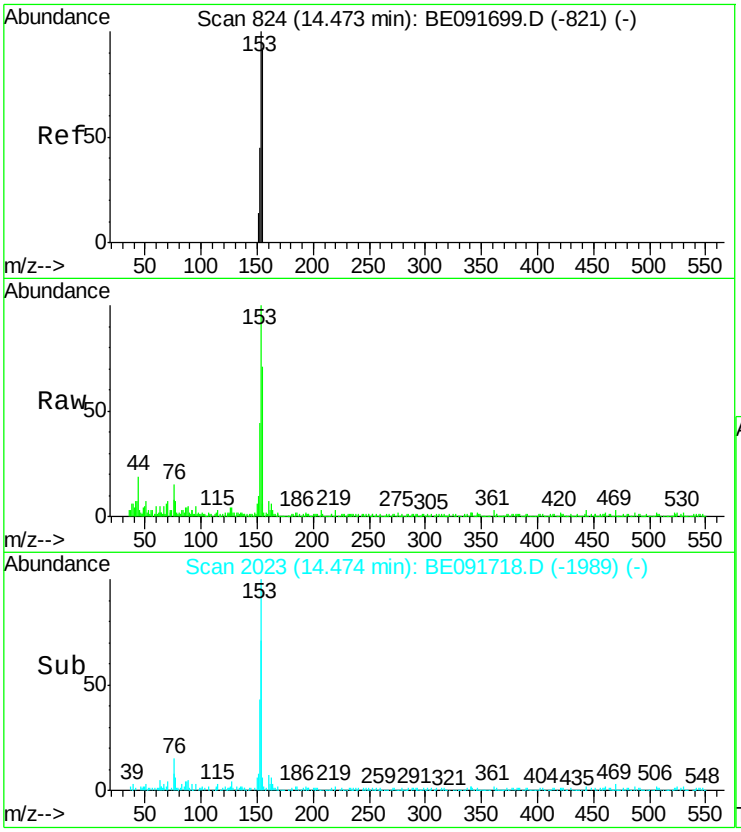


#16
Acenaphthylene
Concen: 0.15 ng
RT: 14.13 min Scan# 1965
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:152 Resp: 4270

Ion	Ratio	Lower	Upper
152	100		
151	20.6	3.9	5.9#
153	14.4	10.3	15.5



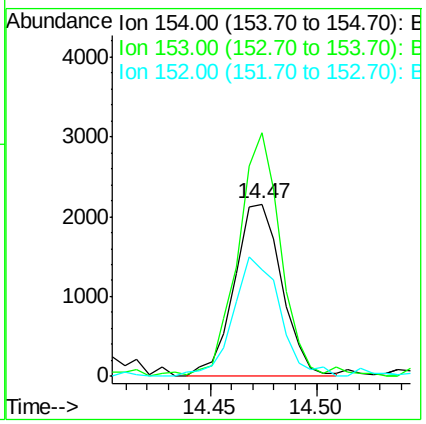


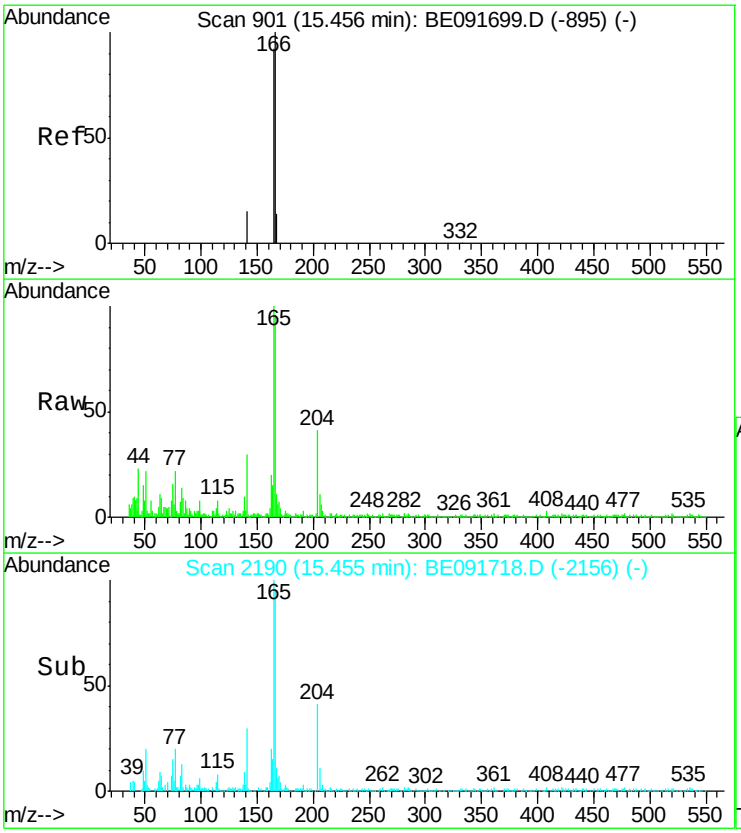
#17
Acenaphthene
Concen: 0.18 ng
RT: 14.47 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:154 Resp: 3365

Ion	Ratio	Lower	Upper
154	100		
153	121.8	80.0	120.0#
152	67.8	40.0	60.0#

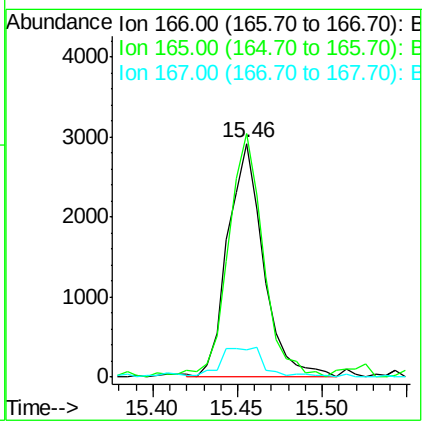


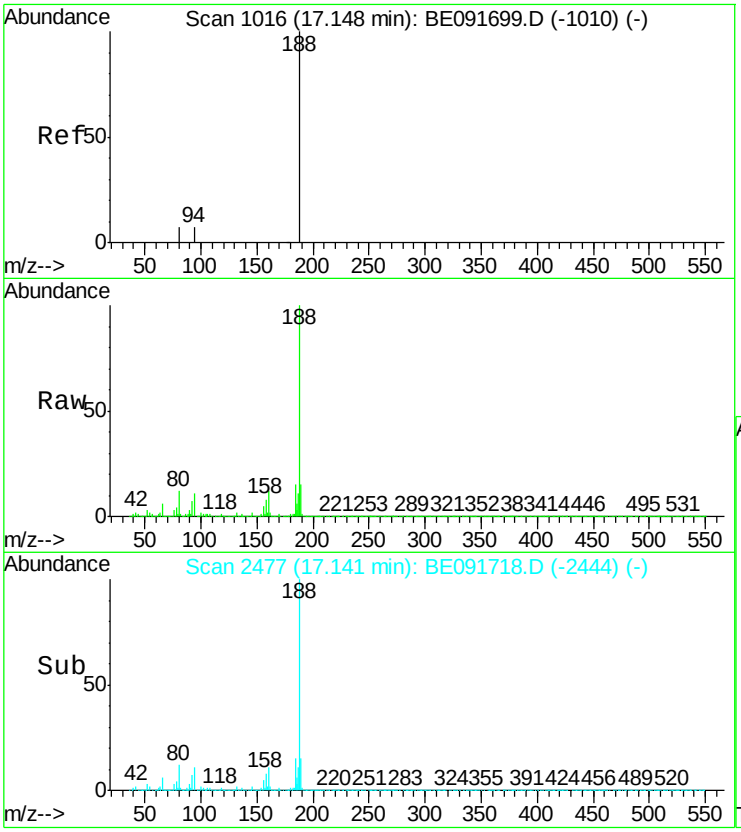


#18
Fluorene
Concen: 0.19 ng
RT: 15.46 min Scan# 2190
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:166 Resp: 4280

Ion	Ratio	Lower	Upper
166	100		
165	101.8	80.8	121.2
167	15.0	10.9	16.3



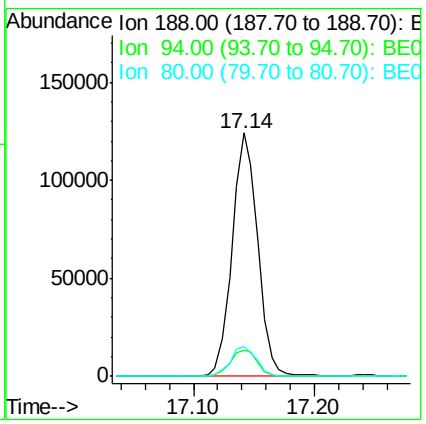


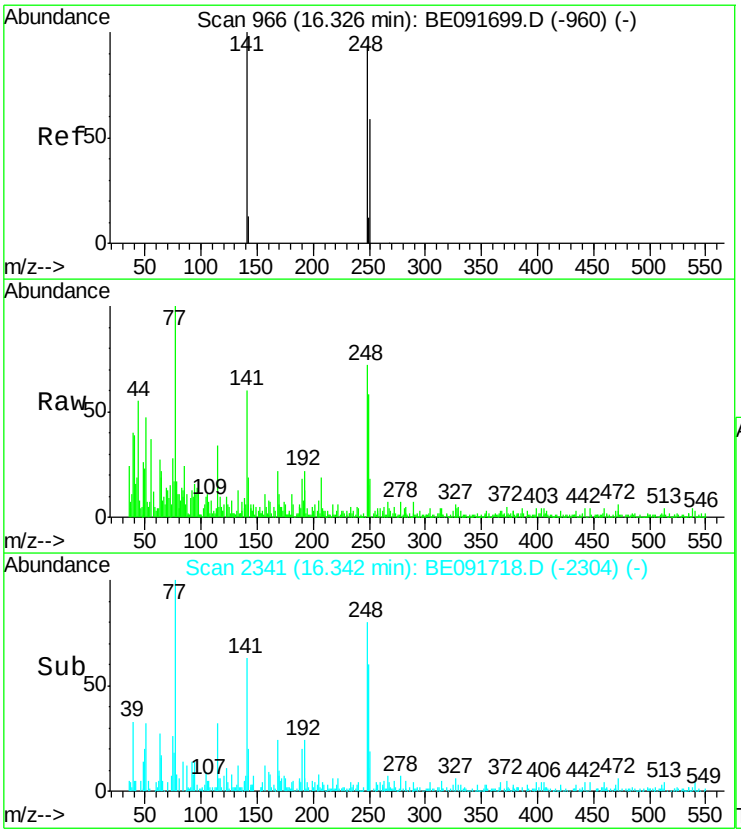
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:188 Resp: 183076

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.7	13.1
80	12.1	9.4	14.0

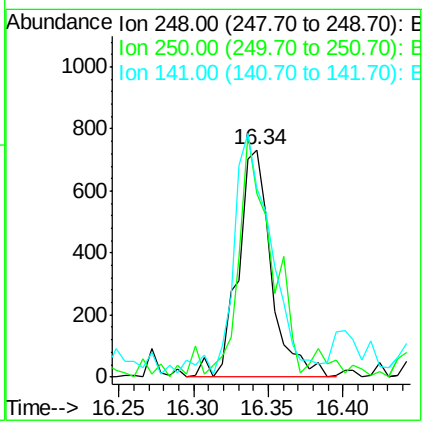


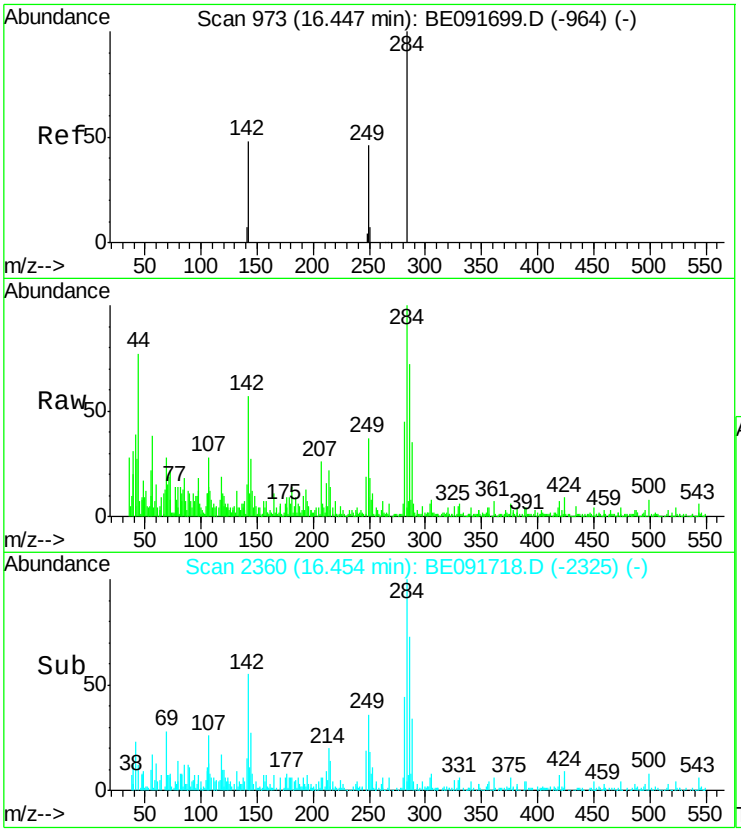


#20
4-Bromophenyl-phenylether
Concen: 0.17 ng
RT: 16.34 min Scan# 2341
Delta R.T. 0.02 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:248 Resp: 1128

Ion	Ratio	Lower	Upper
248	100		
250	104.4	80.5	120.7
141	118.4	72.0	108.0#



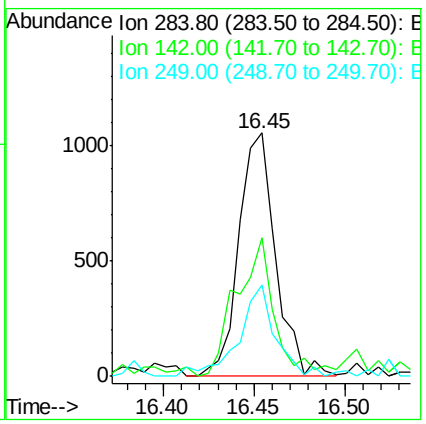


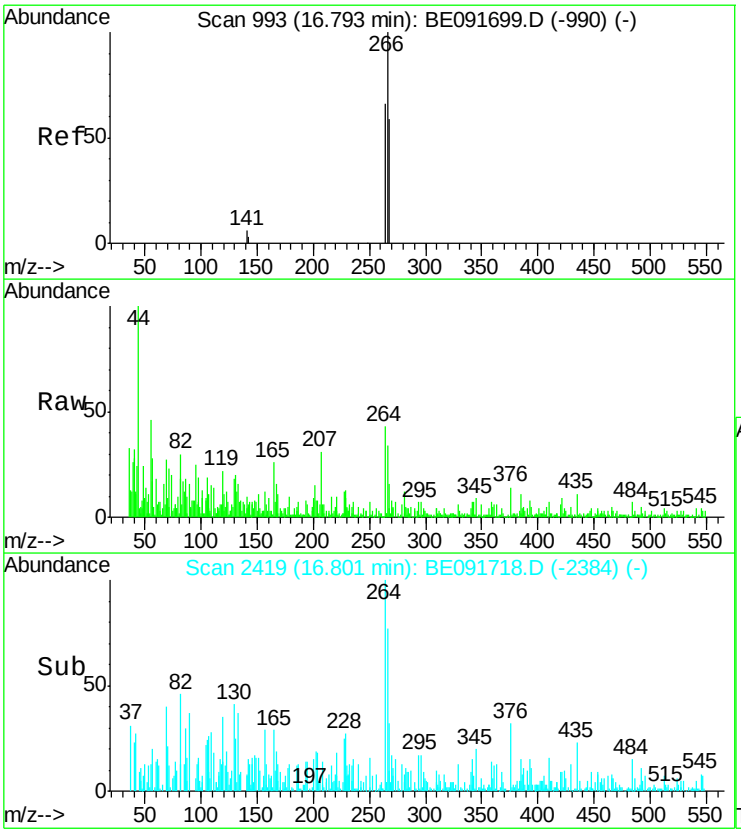
#21
Hexachlorobenzene
Concen: 0.22 ng
RT: 16.45 min Scan# 2360
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 1473

Ion	Ratio	Lower	Upper
284	100		
142	59.8	32.2	48.2#
249	36.9	25.4	38.2

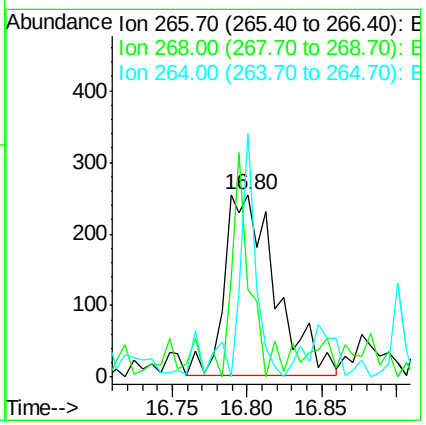


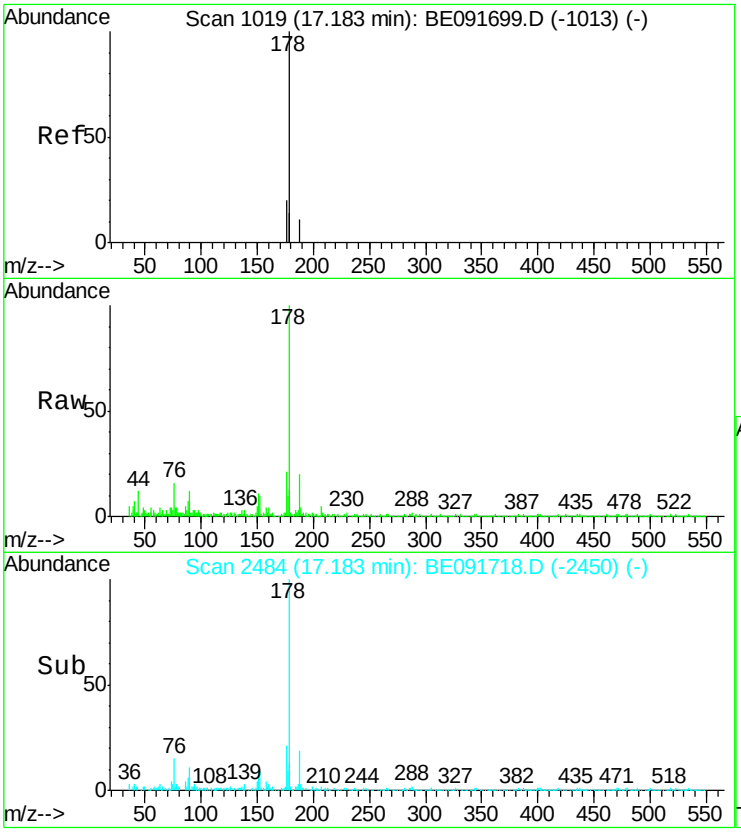


#22
Pentachlorophenol
Concen: 0.26 ng
RT: 16.80 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:266 Resp: 599

Ion	Ratio	Lower	Upper
266	100		
268	52.9	58.2	87.2#
264	133.3	56.2	84.4#



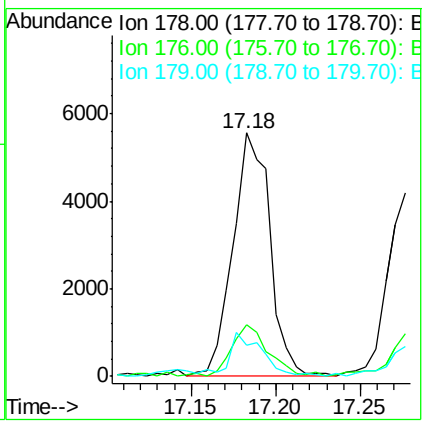


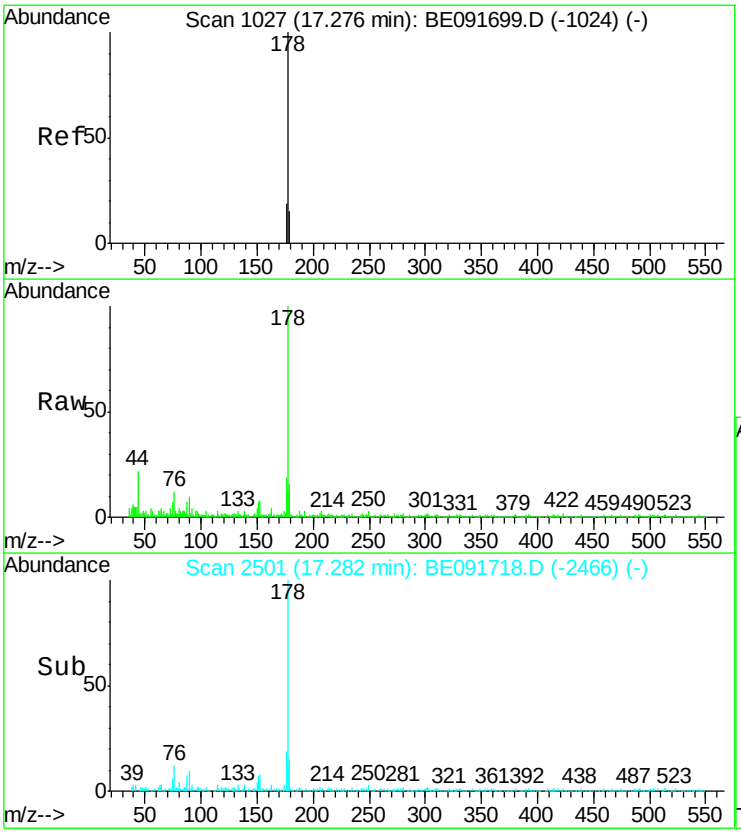
#23
Phenanthrene
Concen: 0.20 ng
RT: 17.18 min Scan# 2484
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:178 Resp: 8465

Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.3	22.9
179	15.9	12.6	18.8

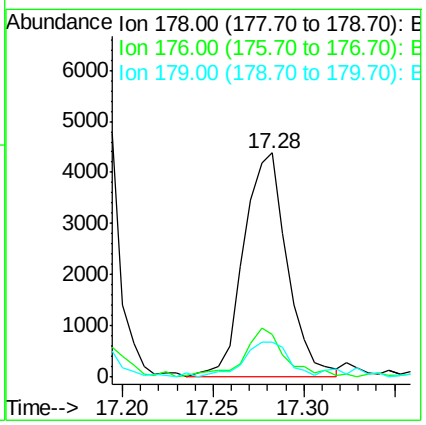


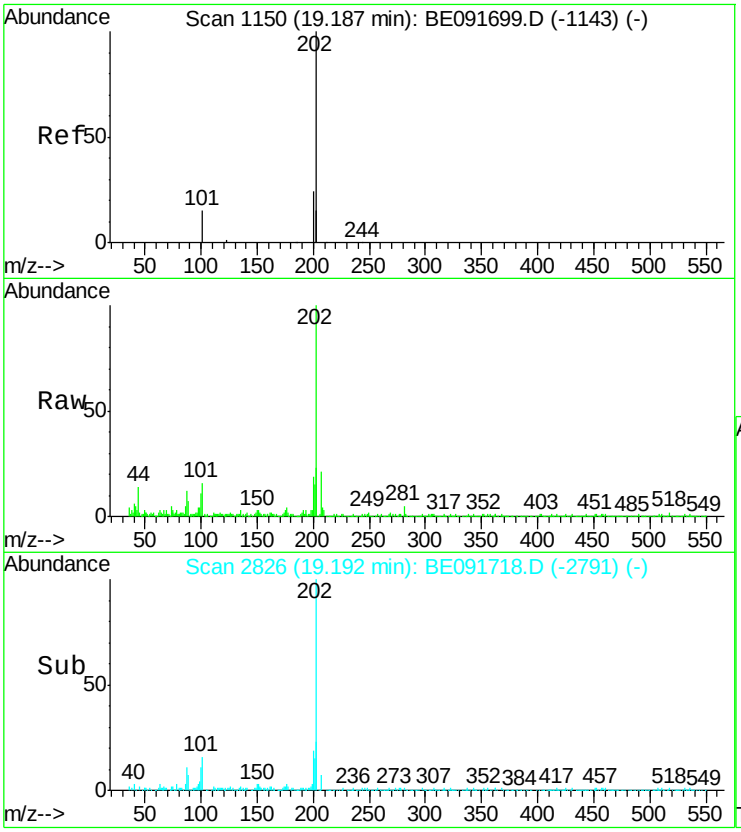


#24
Anthracene
Concen: 0.19 ng
RT: 17.28 min Scan# 2501
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:178 Resp: 7304

Ion	Ratio	Lower	Upper
178	100		
176	20.7	14.6	21.8
179	16.5	11.8	17.6



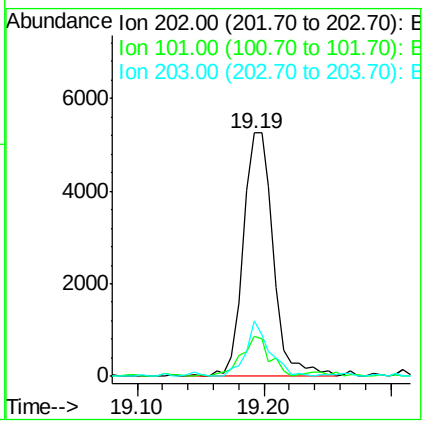


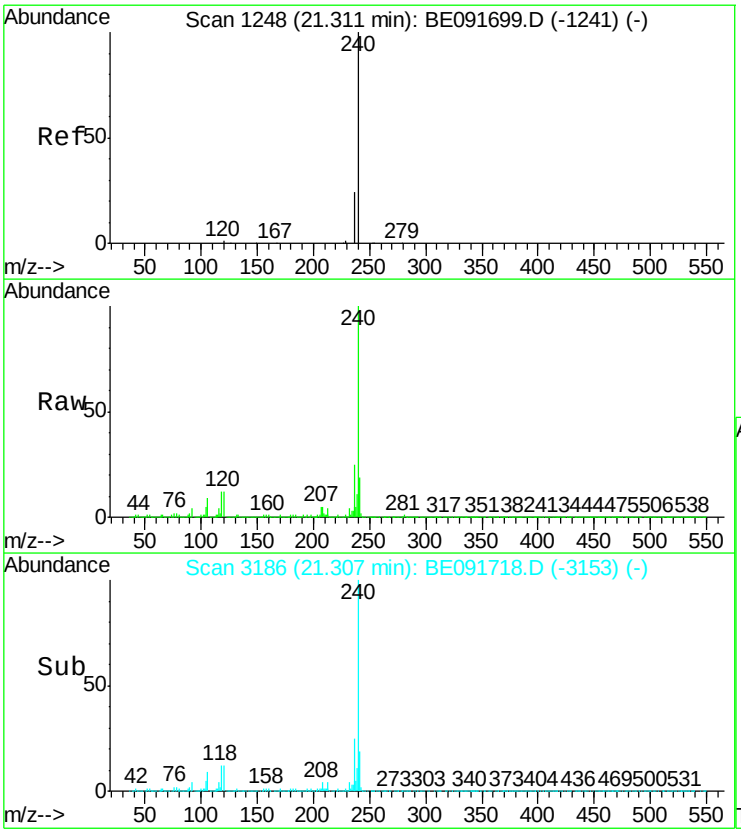
#25
Fluoranthene
Concen: 0.20 ng
RT: 19.19 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:202 Resp: 8655

Ion	Ratio	Lower	Upper
202	100		
101	15.5	11.0	16.6
203	17.7	13.9	20.9

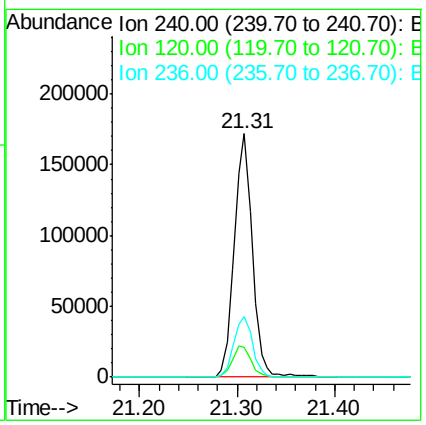


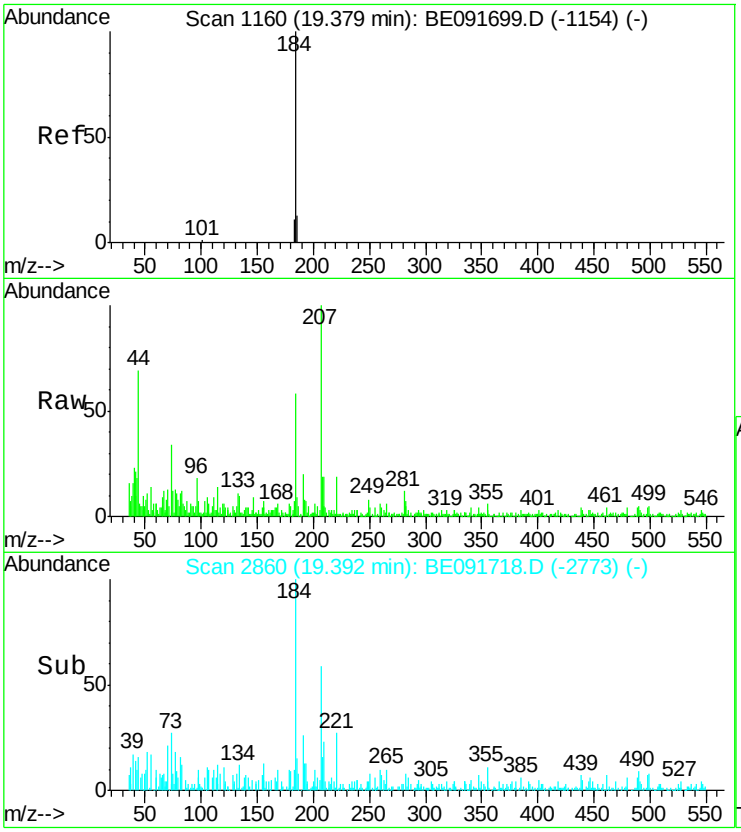


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 3186
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:240 Resp: 220876

Ion	Ratio	Lower	Upper
240	100		
120	12.2	11.0	16.4
236	25.1	21.7	32.5



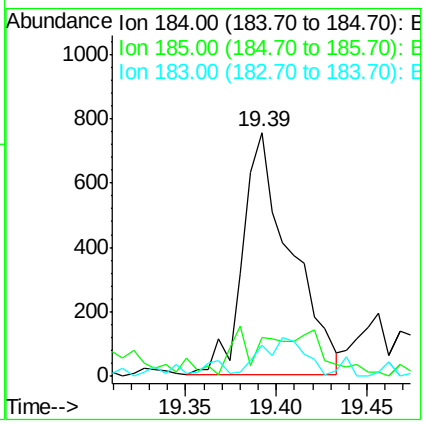


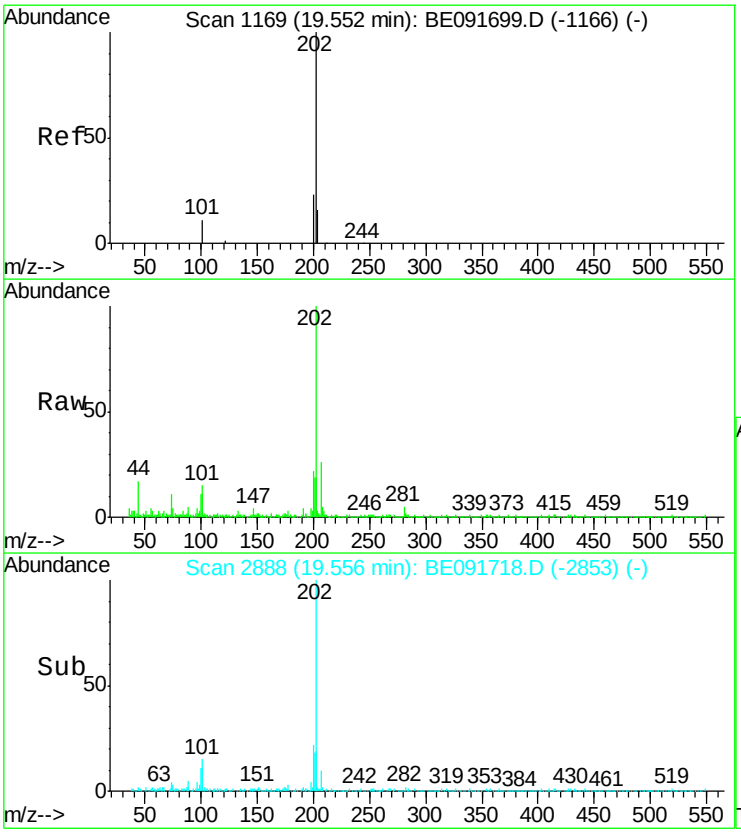
#27
Benzidine
Concen: 0.24 ng
RT: 19.39 min Scan# 2860
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:184 Resp: 1376

Ion	Ratio	Lower	Upper
184	100		
185	16.0	22.3	33.5#
183	12.8	16.4	24.6#

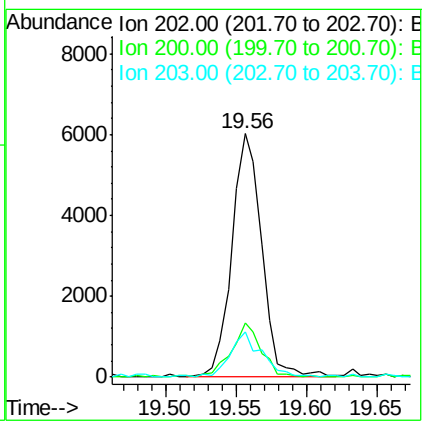


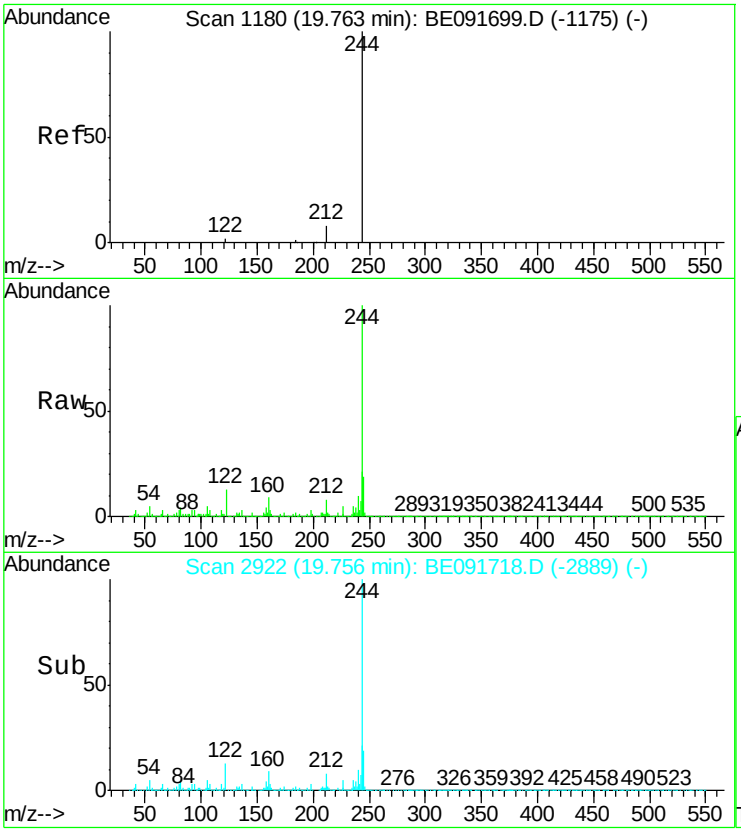


#28
Pyrene
Concen: 0.18 ng
RT: 19.56 min Scan# 2888
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:202 Resp: 8910

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.8	25.2
203	19.6	14.0	21.0



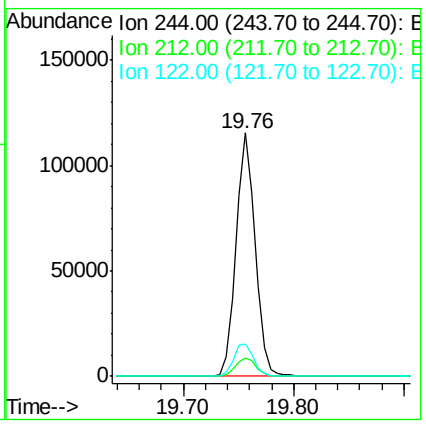


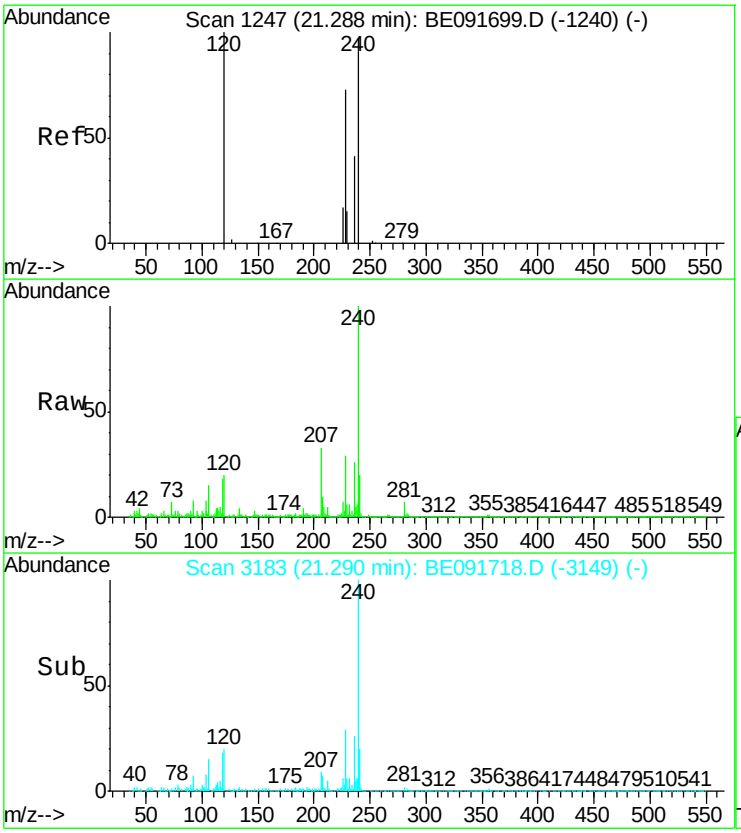
#29
Terphenyl-d14
Concen: 4.09 ng
RT: 19.76 min Scan# 2922
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:244 Resp: 141018

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	13.4	11.0	16.4

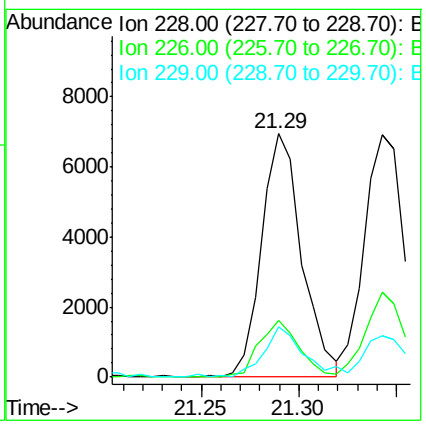


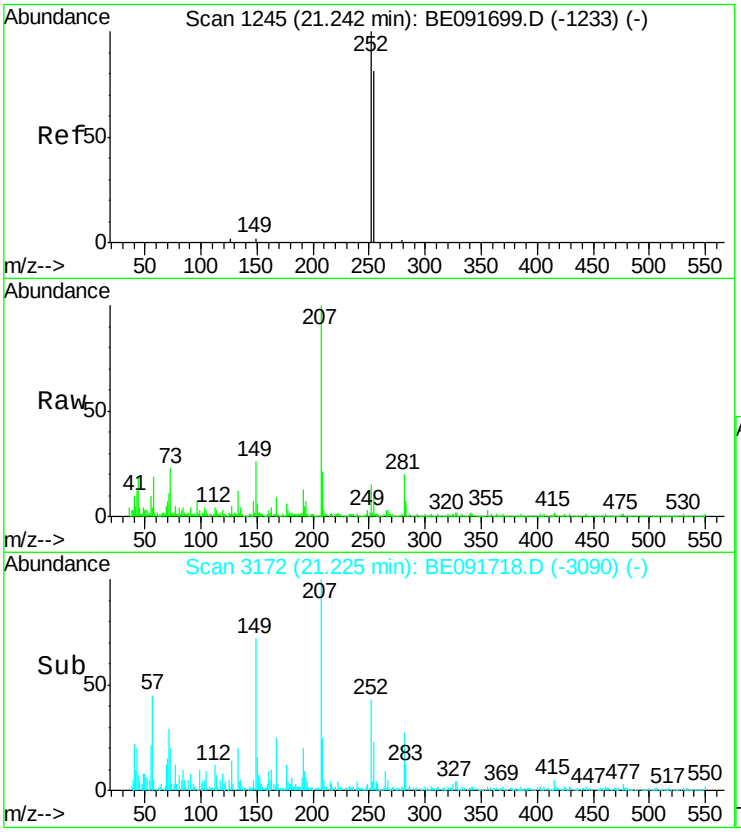


#30
Benzo(a)anthracene
Concen: 0.18 ng
RT: 21.29 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:228 Resp: 9884

Ion	Ratio	Lower	Upper
228	100		
226	23.1	21.0	31.4
229	20.8	15.7	23.5



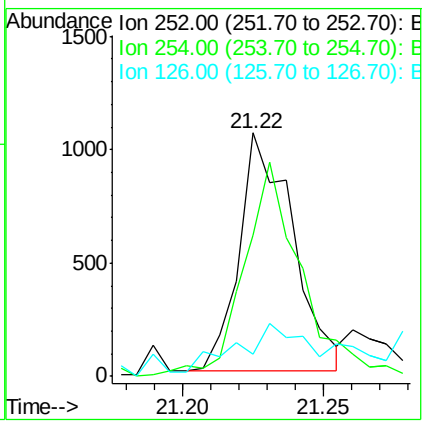


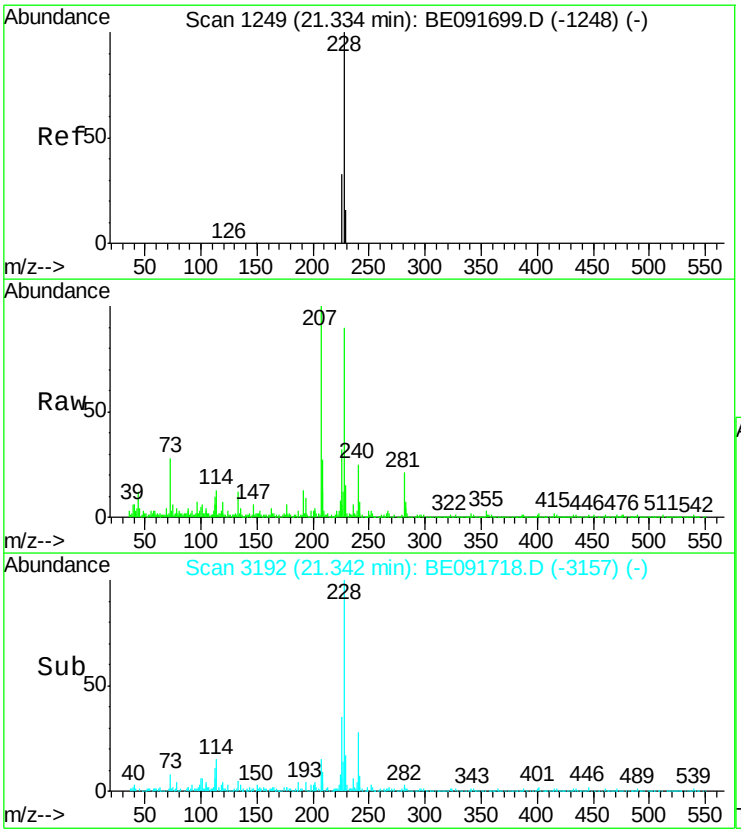
#31
3,3'-Dichlorobenzidine
Concen: 0.05 ng
RT: 21.22 min Scan# 3172
Delta R.T. -0.02 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 1394

Ion	Ratio	Lower	Upper
252	100		
254	58.3	51.1	76.7
126	8.9	12.6	18.8#

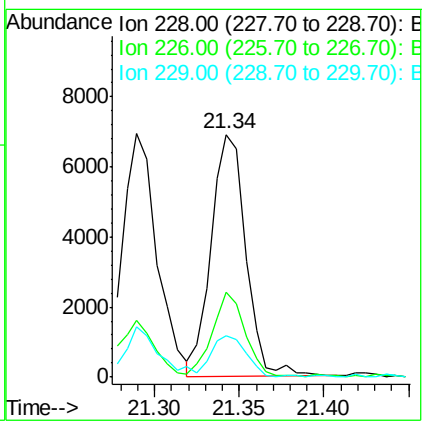


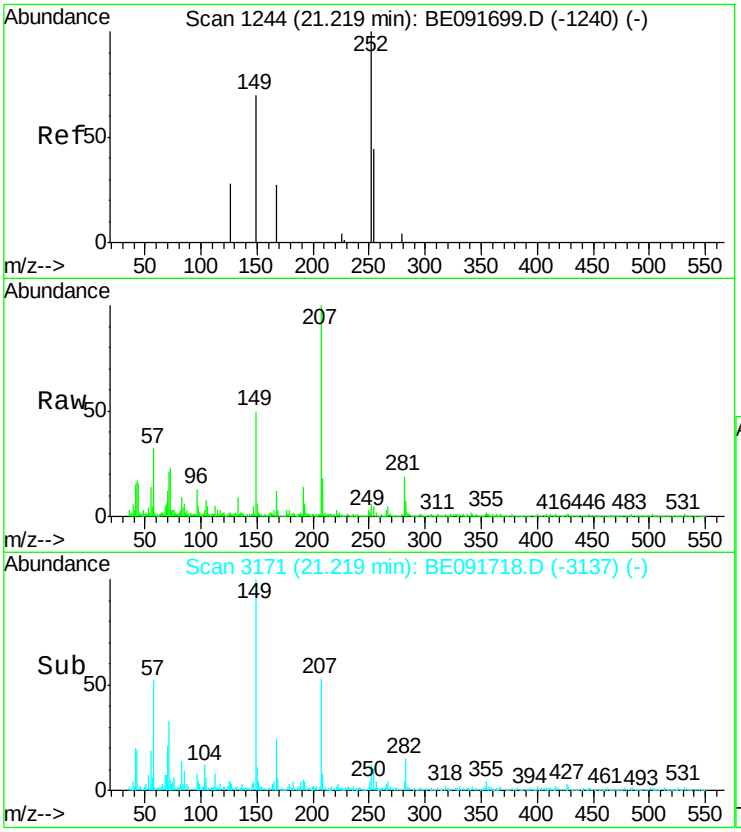


#32
Chrysene
Concen: 0.18 ng
RT: 21.34 min Scan# 3192
Delta R.T. 0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:228 Resp: 9885

Ion	Ratio	Lower	Upper
228	100		
226	35.1	24.0	36.0
229	17.2	15.9	23.9



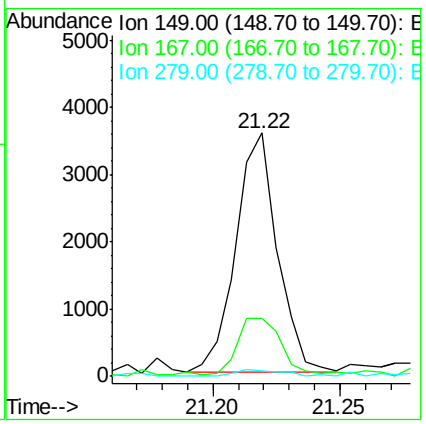


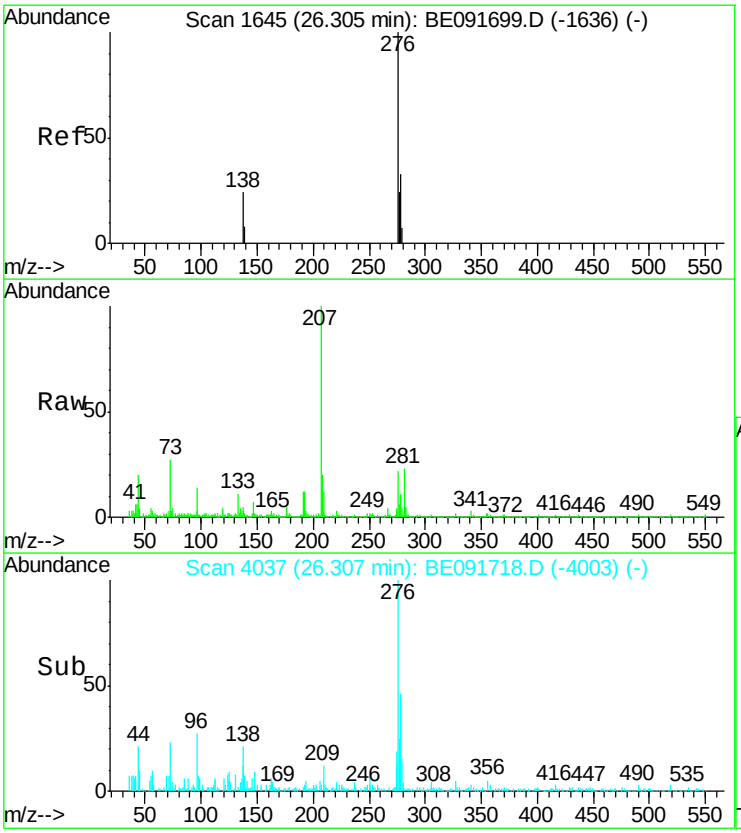
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.25 ng
RT: 21.22 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:149 Resp: 4038

Ion	Ratio	Lower	Upper
149	100		
167	25.1	19.5	29.3
279	3.3	10.0	15.0#

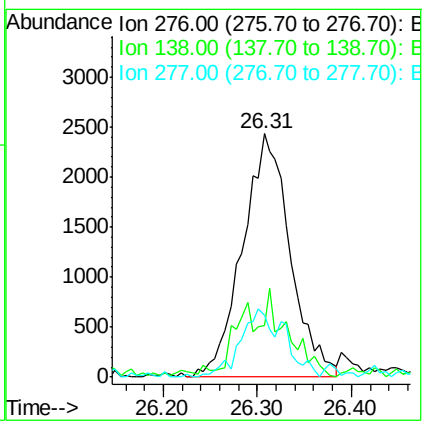


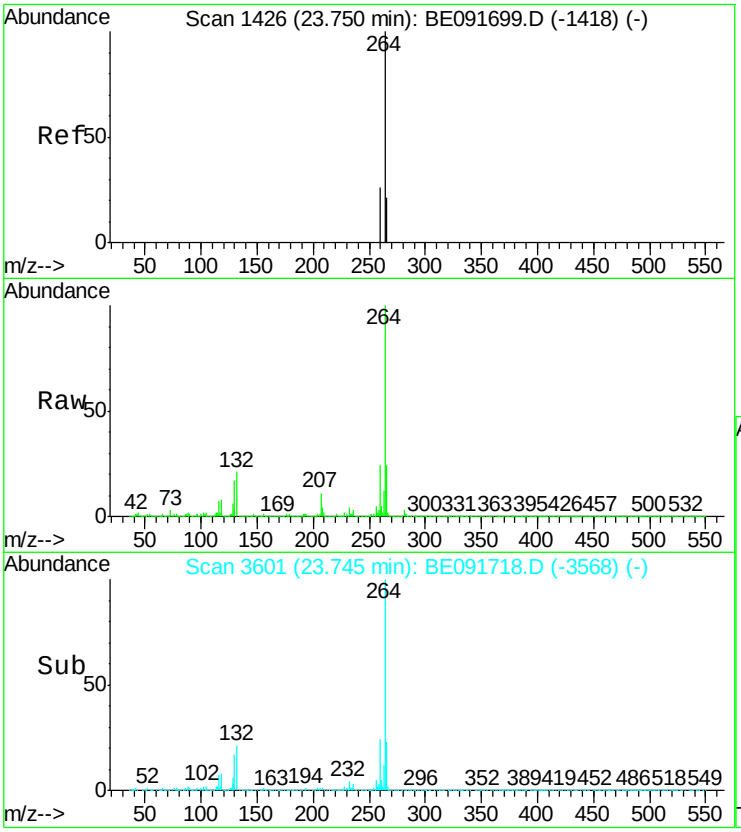


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng
RT: 26.31 min Scan# 4037
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:276 Resp: 8494

Ion	Ratio	Lower	Upper
276	100		
138	18.5	23.4	35.2#
277	18.2	19.8	29.8#



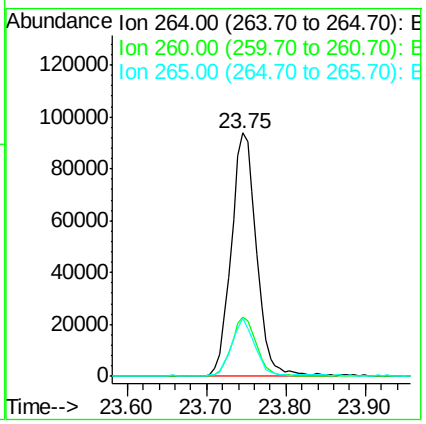


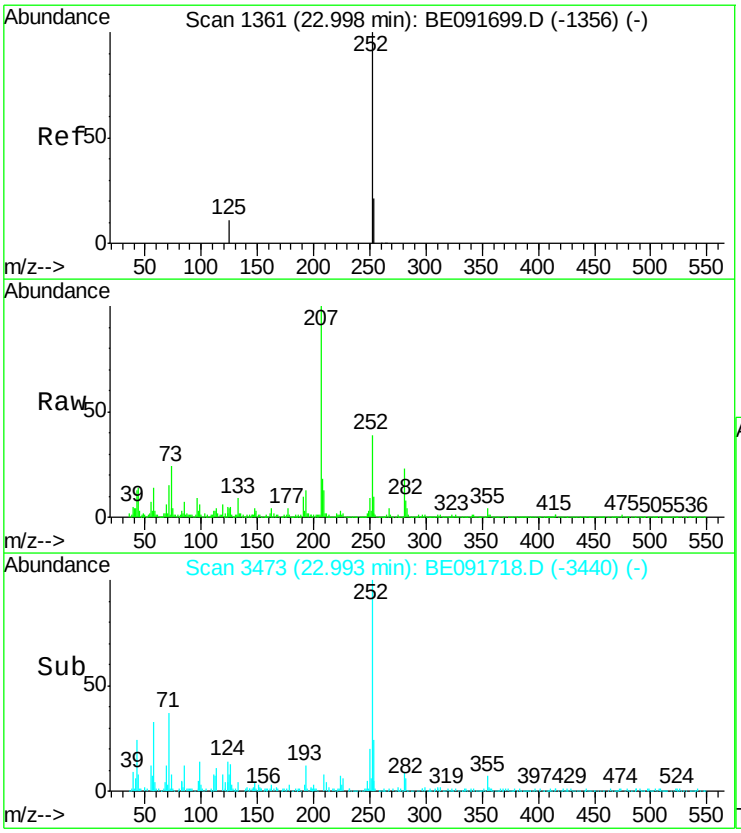
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:264 Resp: 206683

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.0	30.0
265	23.7	17.5	26.3

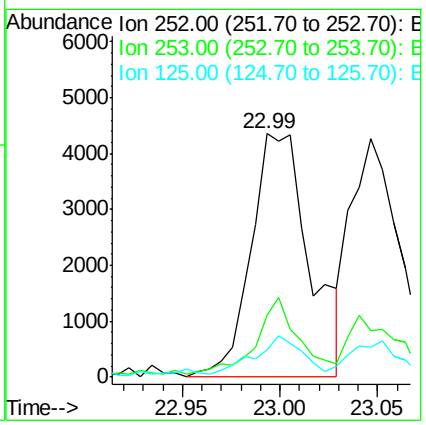


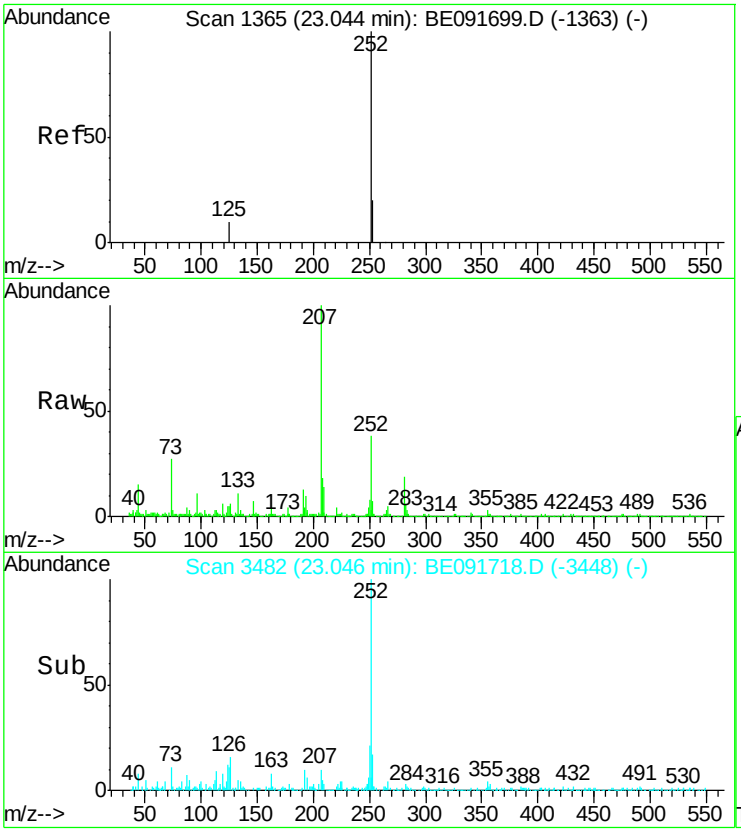


#36
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 22.99 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:252 Resp: 8985

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.4	26.0
125	11.2	10.2	15.2



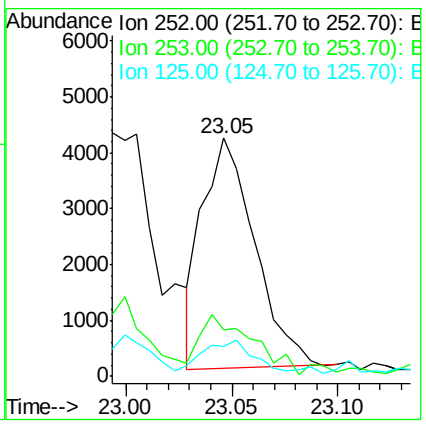


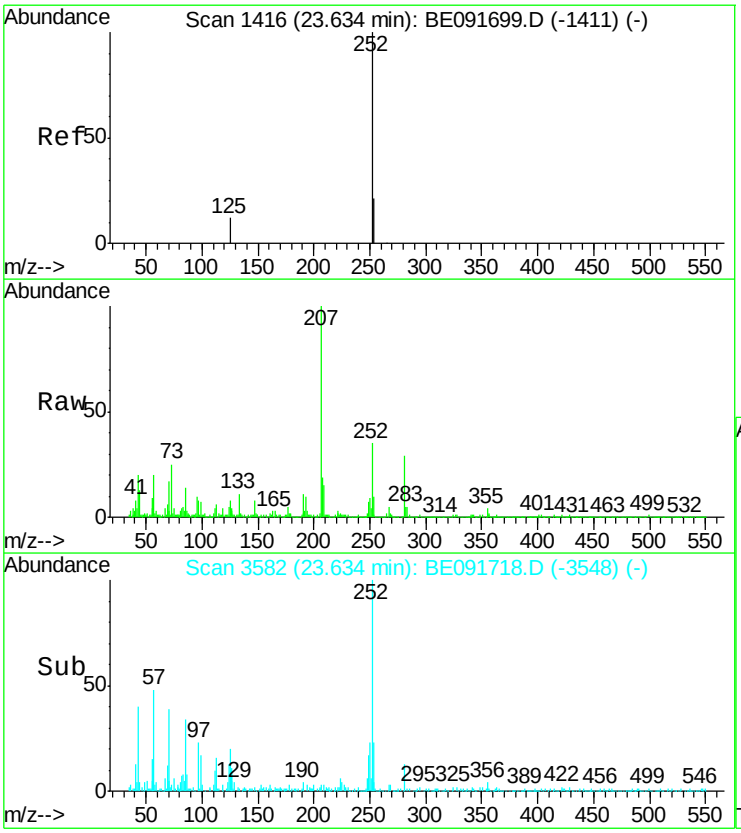
#37
Benzo(k)fluoranthene
Concen: 0.14 ng
RT: 23.05 min Scan# 3482
Delta R.T. 0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:252 Resp: 7092

Ion	Ratio	Lower	Upper
252	100		
253	19.7	17.6	26.4
125	12.6	9.9	14.9

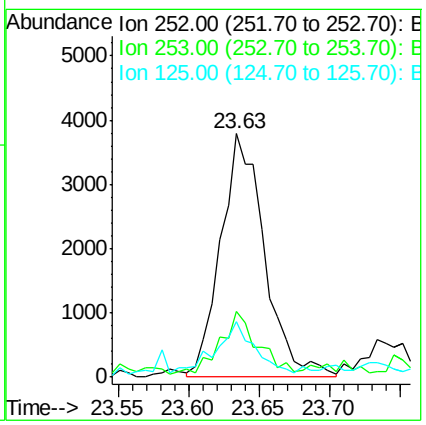


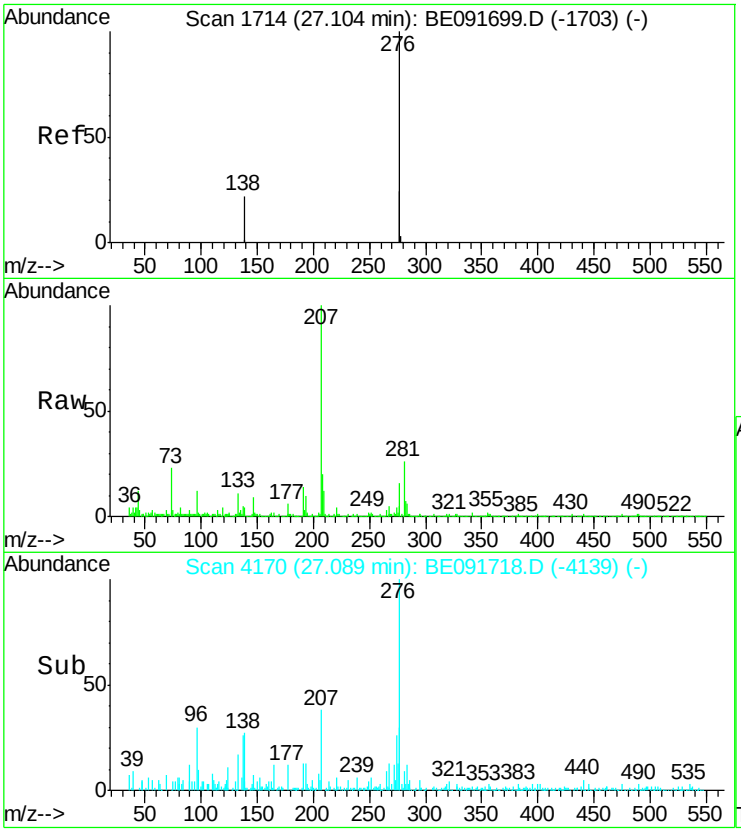


#38
Benzo(a)pyrene
Concen: 0.18 ng
RT: 23.63 min Scan# 3582
Delta R.T. -0.00 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Tgt Ion:252 Resp: 8108

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.1	27.1
125	22.8	11.0	16.4#





#40
Benzo(g,h,i)perylene
Concen: 0.15 ng
RT: 27.09 min Scan# 4170
Delta R.T. -0.01 min
Lab File: BE091718.D
Acq: 26 Apr 2016 23:44

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:276 Resp: 6592

Ion	Ratio	Lower	Upper
276	100		
277	30.5	18.6	28.0#
138	26.6	20.4	30.6