Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020416\
Data File : BE091389.D
Acq On : 4 Feb 2016 10:59
Operator : UM/IZ
Sample : G4825-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-SOIL2016-01

Quant Time: Feb 05 06:32:44 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	52729	5.00	ng		0.00
4) Naphthalene-d8	9.55	136	241924	5.00	ng		0.00
8) Acenaphthene-d10	13.36	164	151851	5.00	ng		0.00
14) Phenanthrene-d10	16.09	188	402243	5.00	ng		0.00
18) Chrysene-d12	20.22	240	427442	5.00	ng		0.00
24) Perylene-d12	22.10	264	386976	5.00	ng		0.00
System Monitoring Compounds							
2) 2-Fluorophenol	4.91	112	84879	6.81	ng		-0.04
3) Phenol-d6	6.54	99	113624	6.45	ng		-0.03
5) Nitrobenzene-d5	8.17	82	46317	3.01	ng		0.00
9) 2,4,6-Tribromophenol	14.91	330	28248	3.98	ng		0.00
10) 2-Fluorobiphenyl	12.01	172	157979	4.00	ng		0.00
20) Terphenyl-d14	18.62	244	267875	4.24	ng		0.00
Target Compounds							Qvalue
6) Naphthalene	9.60	128	4034	0.07	ng	#	91
7) 2-Methylnaphthalene	11.18	142	2403	0.20	ng		98
11) Acenaphthylene	13.12	152	13672	0.23	ng		100
12) Acenaphthene	13.42	154	3025	0.07	ng		97
13) Fluorene	14.43	166	3620	0.07	ng		100
15) Phenanthrene	16.23	178	4083	0.04	ng		98
16) Anthracene	16.23	178	5318	0.06	ng		98
17) Fluoranthene	18.11	202	6336	0.17	ng		99
19) Pyrene	18.49	202	6513	0.07	ng		99
21) Benzo(a)anthracene	20.19	228	5629	0.23	ng		98
22) Chrysene	20.25	228	9342	0.02	ng		99
23) Indeno(1,2,3-cd)pyrene	23.73	276	4982	0.21	ng	#	81
25) Benzo(b)fluoranthene	21.56	252	5206	0.20	ng	#	93
26) Benzo(k)fluoranthene	21.58	252	6352	0.08	ng	#	91
27) Benzo(a)pyrene	22.01	252	3988	0.21	ng	#	82
28) Dibenzo(a,h)anthracene	23.68	278	3589	0.29	ng	#	82
29) Benzo(g,h,i)perylene	24.28	276	5260	0.20	ng	#	91

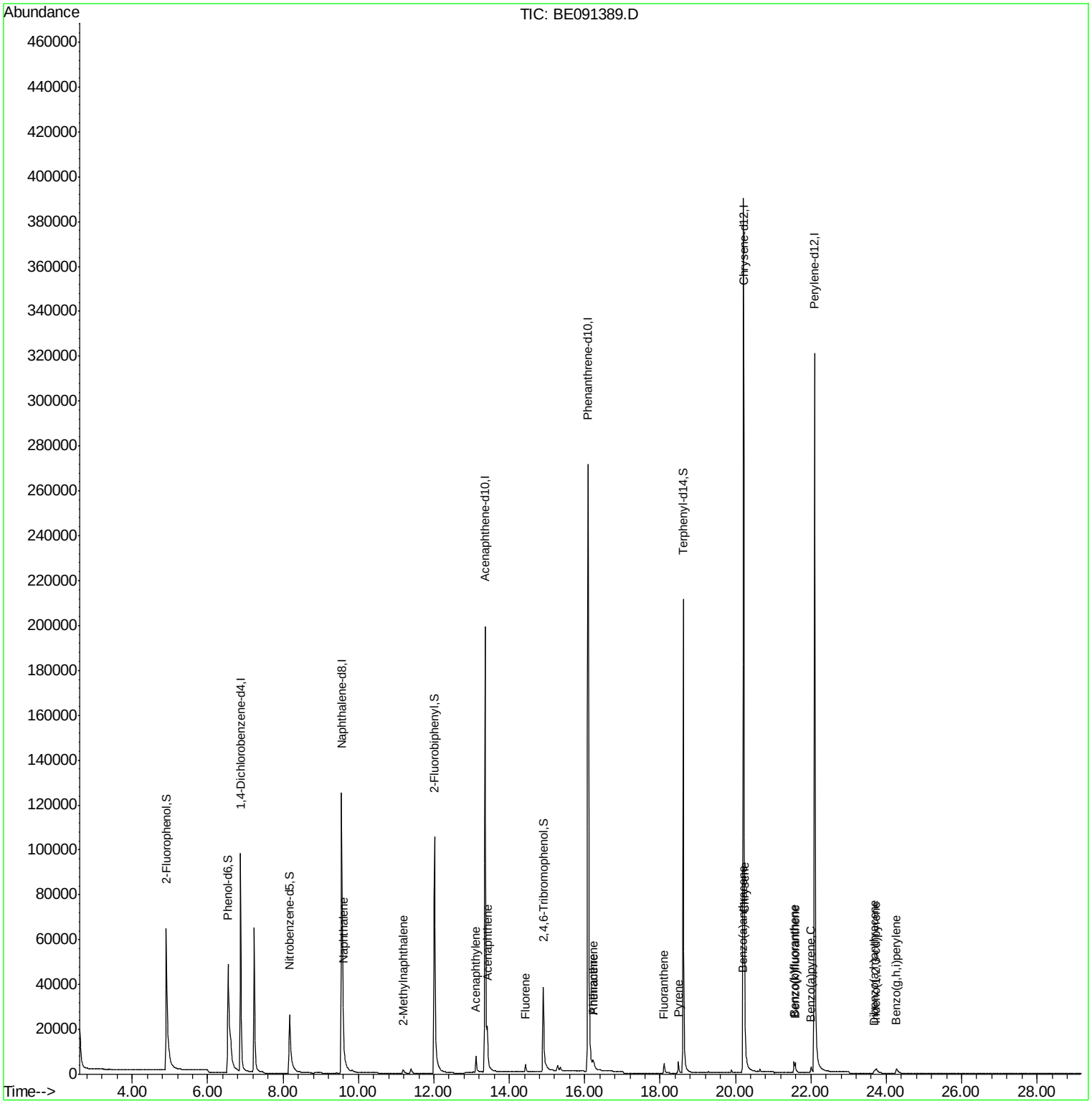
(#) = qualifier out of range (m) = manual integration (+) = signals summed

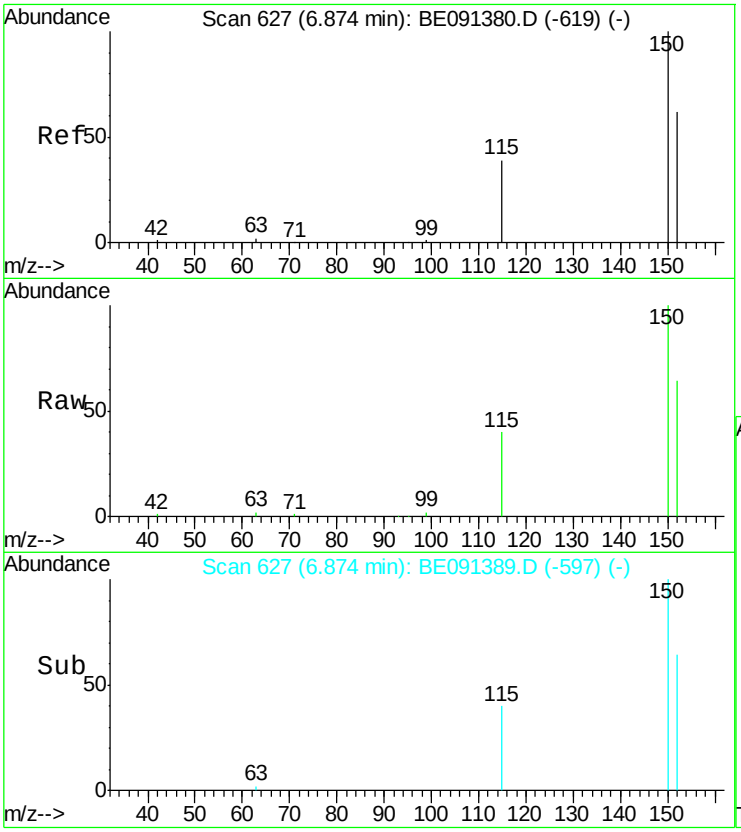
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020416\
Data File : BE091389.D
Acq On : 4 Feb 2016 10:59
Operator : UM/IZ
Sample : G4825-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-SOIL2016-01

Quant Time: Feb 05 06:32:44 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration



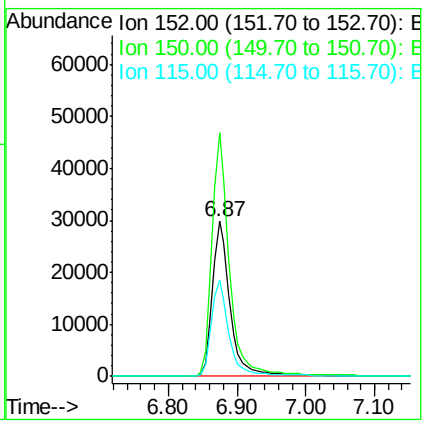


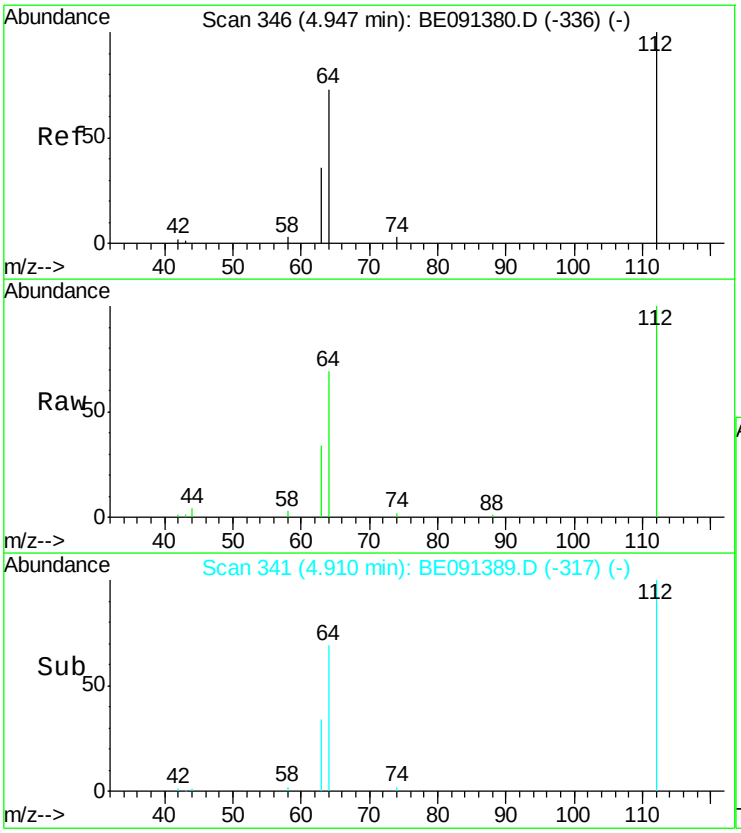
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:152 Resp: 52729

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.9	193.3
115	62.6	50.9	76.3

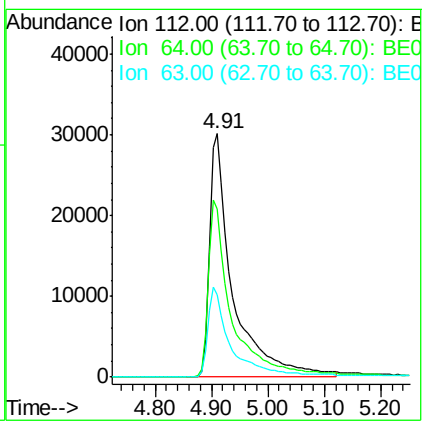


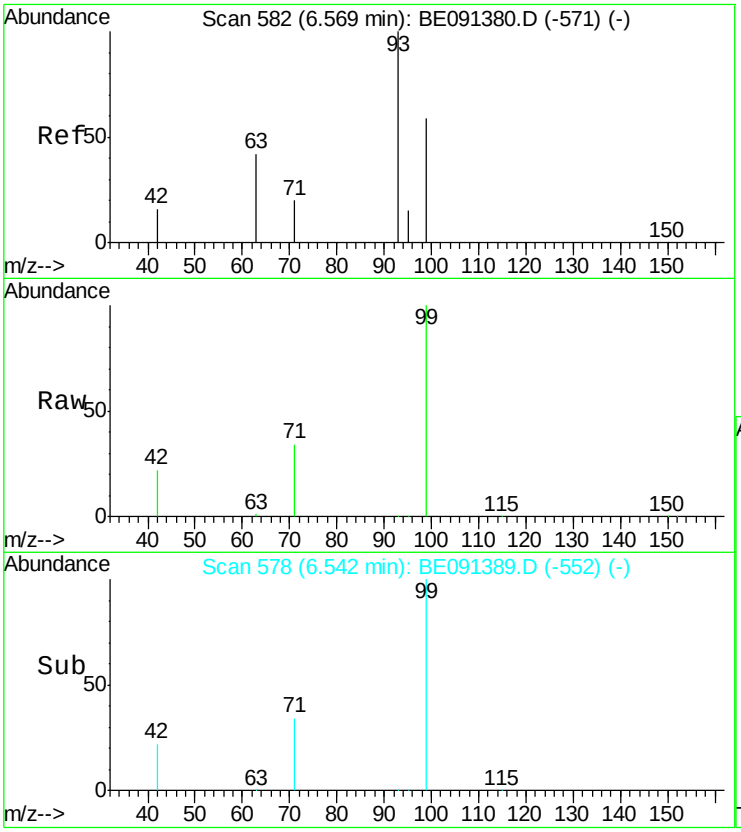


#2
2-Fluorophenol
Concen: 6.81 ng
RT: 4.91 min Scan# 341
Delta R.T. -0.04 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:112 Resp: 84879

Ion	Ratio	Lower	Upper
112	100		
64	72.4	60.5	90.7
63	36.3	29.8	44.8



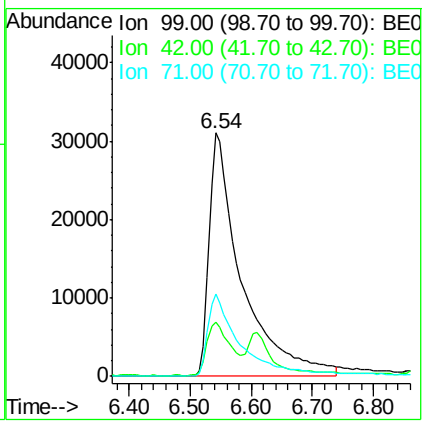


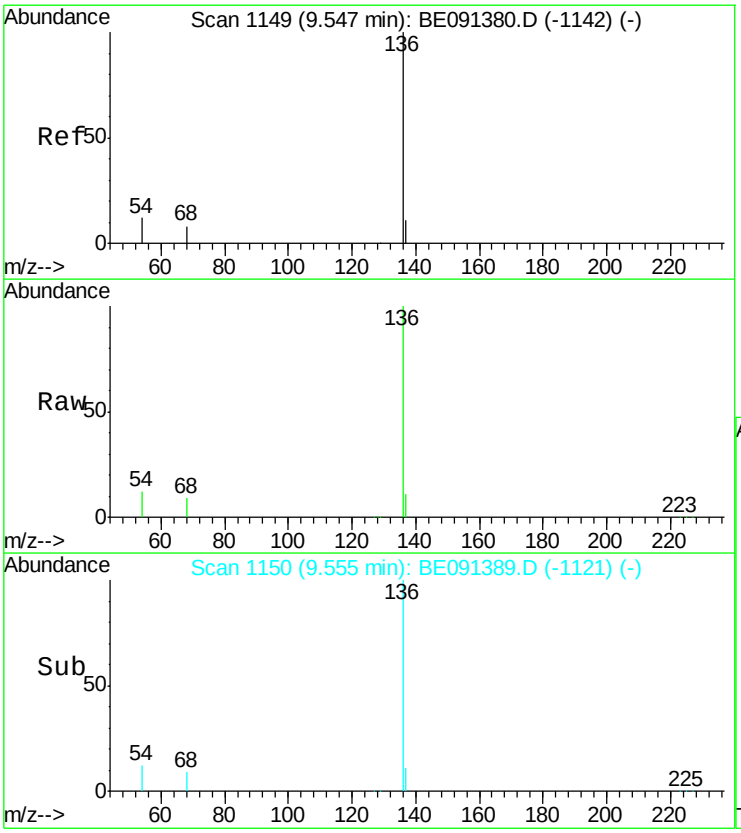
#3
Phenol-d6
Concen: 6.45 ng
RT: 6.54 min Scan# 578
Delta R.T. -0.03 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 99 Resp: 113624

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.3	19.9
71	33.5	25.6	38.4

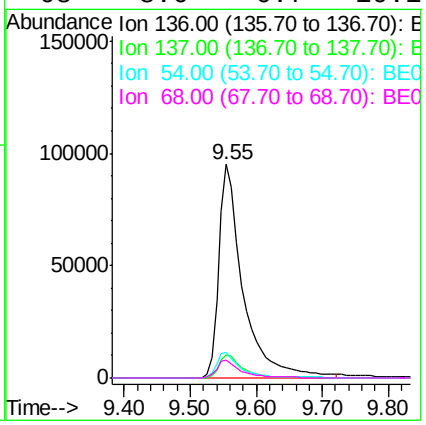


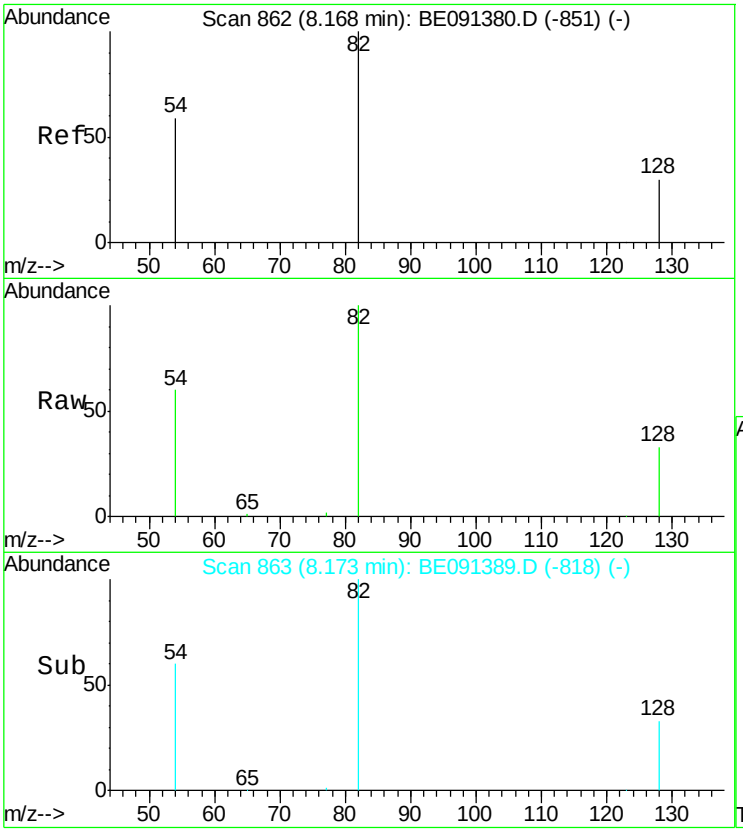


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.55 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:136 Resp: 241924

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	12.0	9.3	13.9
68	8.6	6.7	10.1



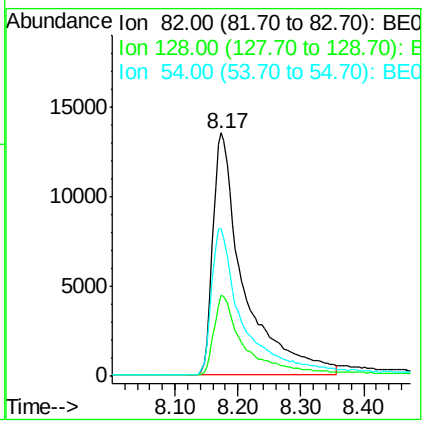


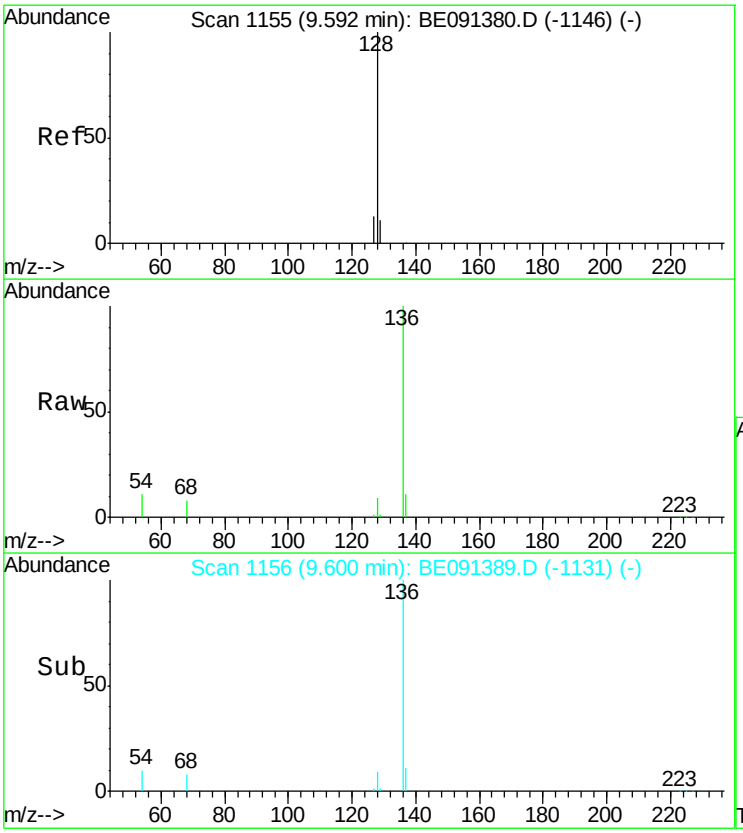
#5
Nitrobenzene-d5
Concen: 3.01 ng
RT: 8.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 82 Resp: 46317

Ion	Ratio	Lower	Upper
82	100		
128	33.2	25.0	37.4
54	60.5	48.1	72.1

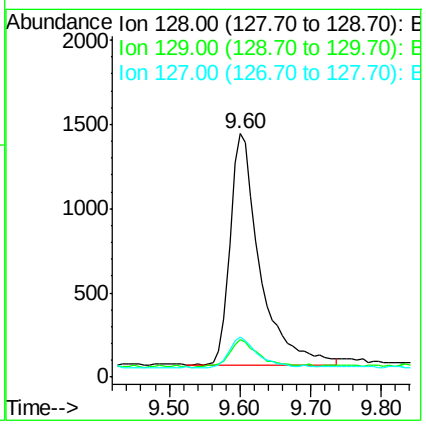


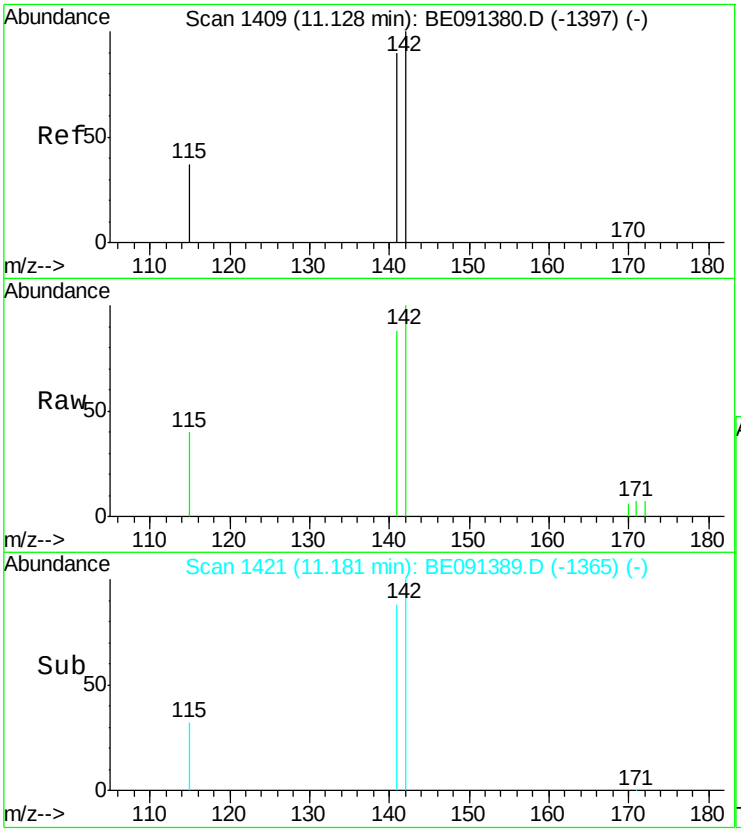


#6
Naphthalene
Concen: 0.07 ng
RT: 9.60 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:128 Resp: 4034

Ion	Ratio	Lower	Upper
128	100		
129	15.5	9.1	13.7#
127	16.3	10.5	15.7#



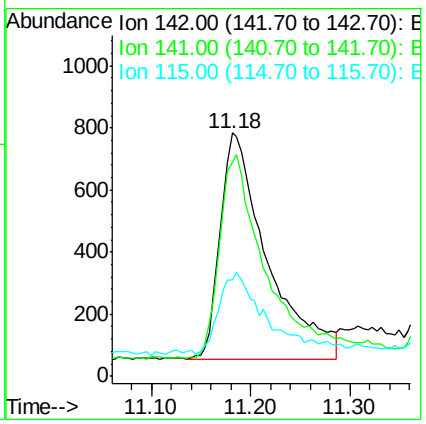


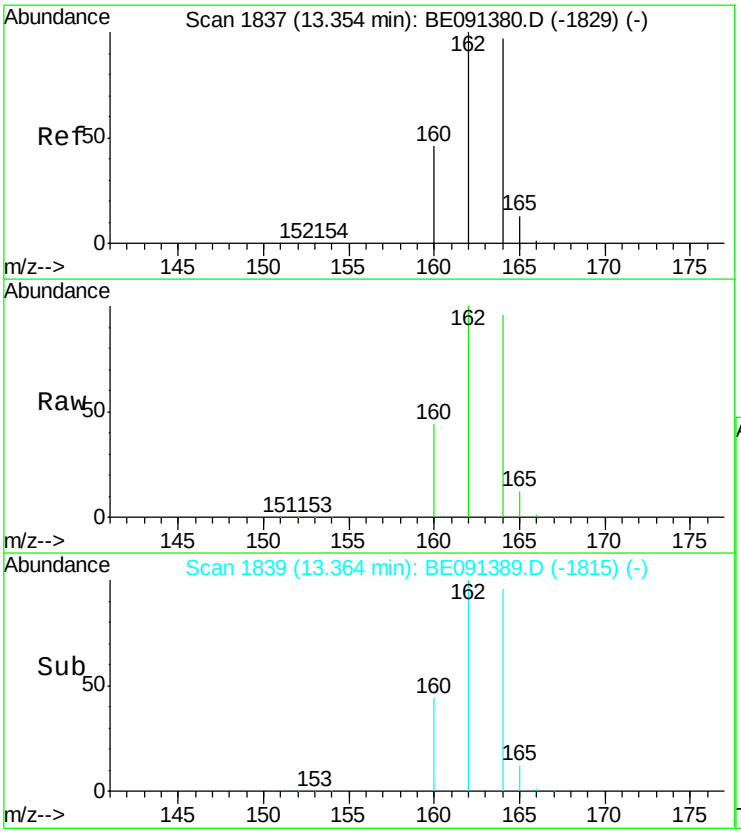
#7
2-Methylnaphthalene
Concen: 0.20 ng
RT: 11.18 min Scan# 1421
Delta R.T. 0.05 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:142 Resp: 2403

Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.3	108.5
115	39.7	30.5	45.7

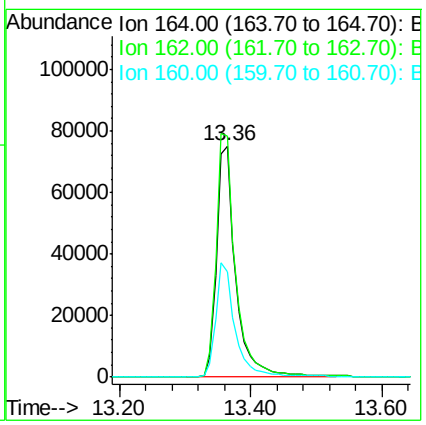


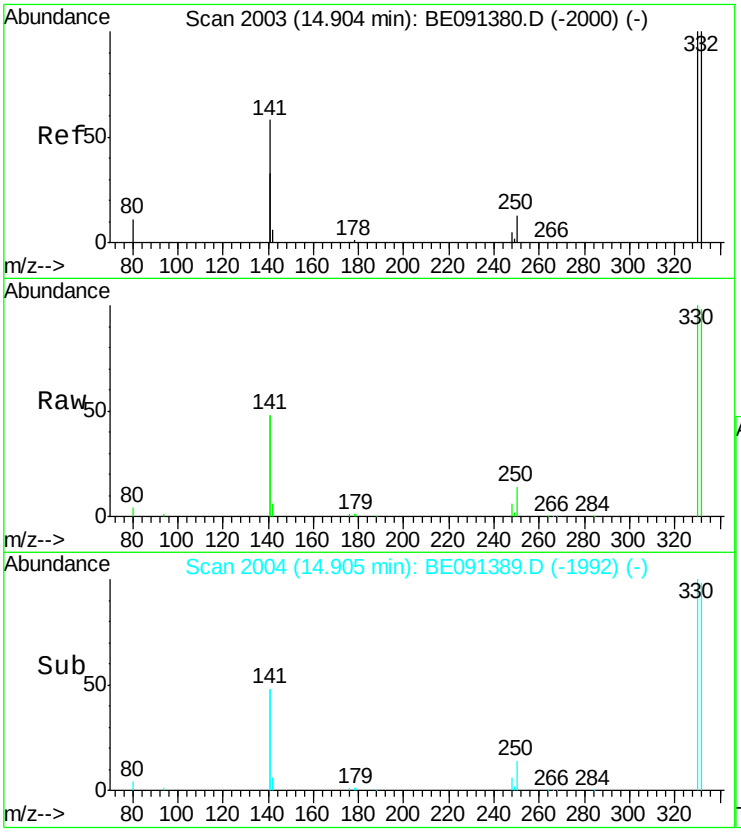


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.36 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:164 Resp: 151851

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.2	123.2
160	45.8	37.8	56.8



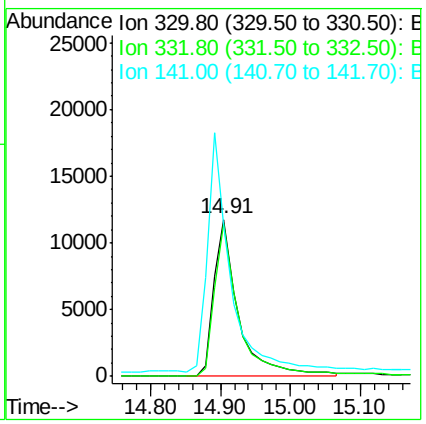


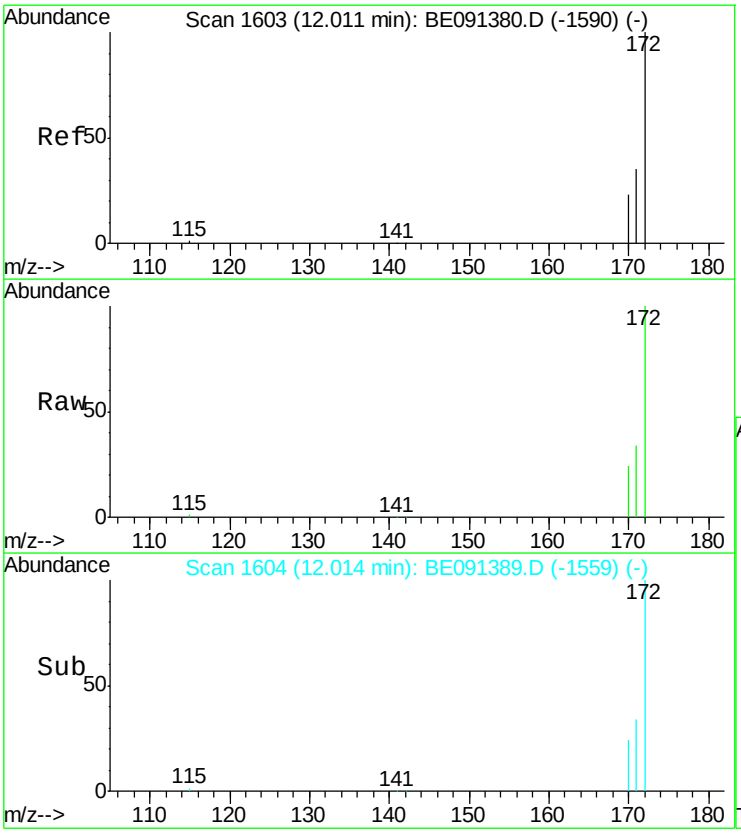
#9
2,4,6-Tribromophenol
Concen: 3.98 ng
RT: 14.91 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:330 Resp: 28248

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.8	118.2
141	145.8	105.1	157.7

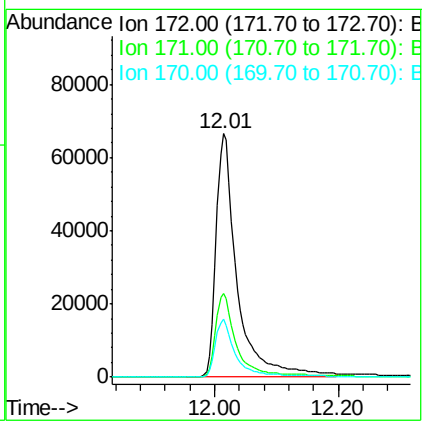


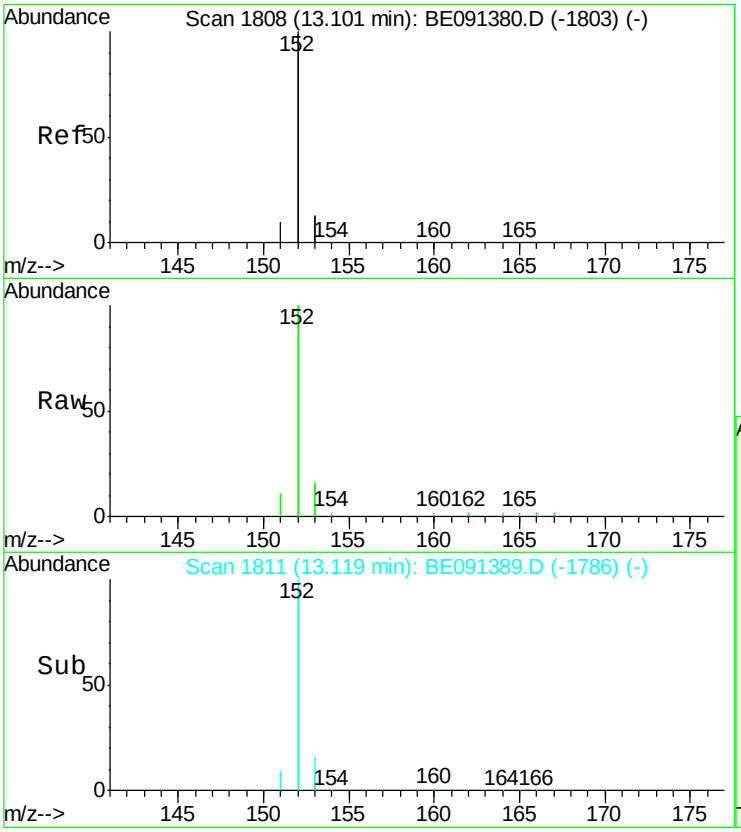


#10
2-Fluorobiphenyl
Concen: 4.00 ng
RT: 12.01 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:172 Resp: 157979

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.8
170	23.7	18.6	28.0



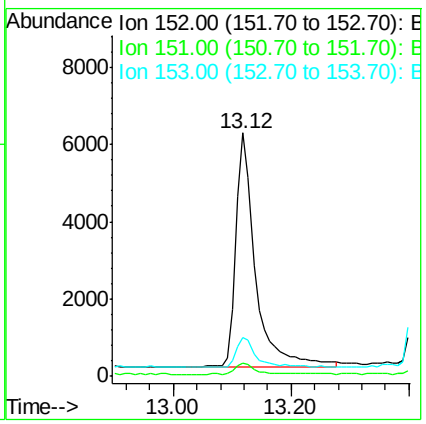


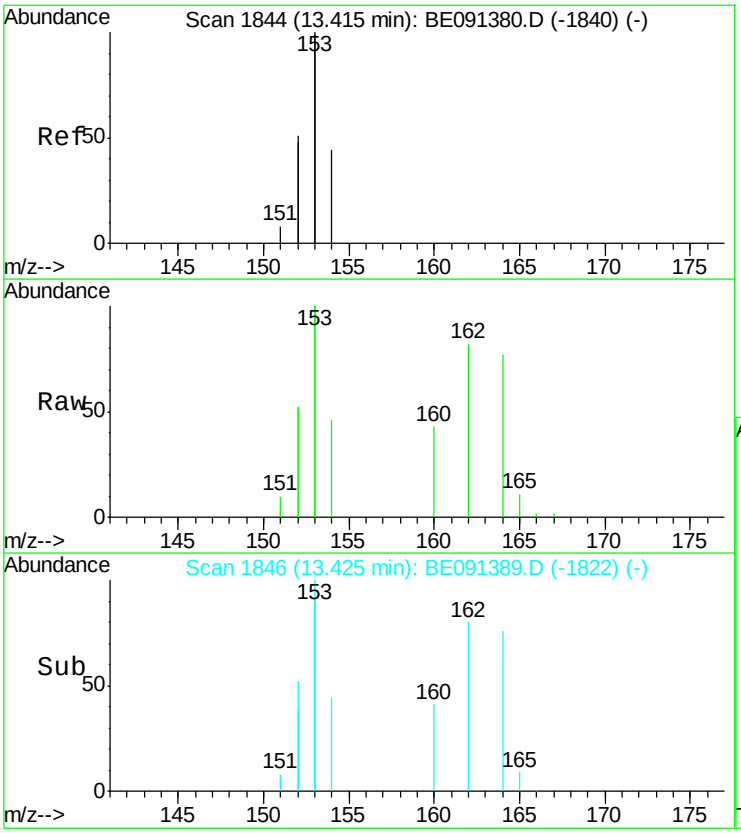
#11
Acenaphthylene
Concen: 0.23 ng
RT: 13.12 min Scan# 1811
Delta R.T. 0.02 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:152 Resp: 13672

Ion	Ratio	Lower	Upper
152	100		
151	4.5	3.8	5.8
153	12.7	10.2	15.4

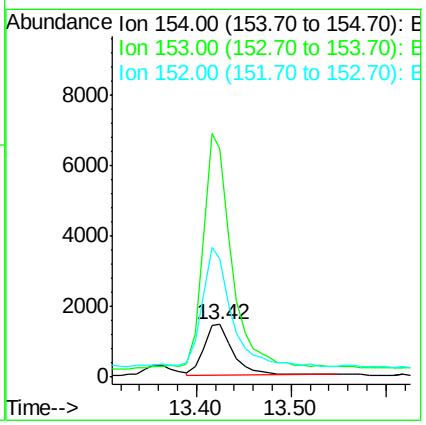


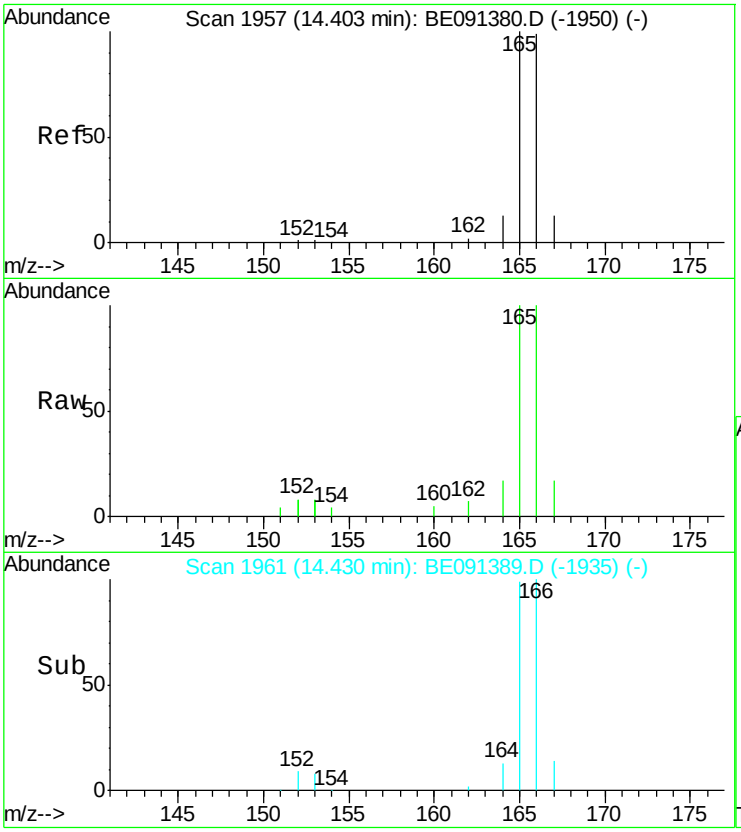


#12
Acenaphthene
Concen: 0.07 ng
RT: 13.42 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:154 Resp: 3025

Ion	Ratio	Lower	Upper
154	100		
153	469.2	369.8	554.8
152	238.7	194.4	291.6



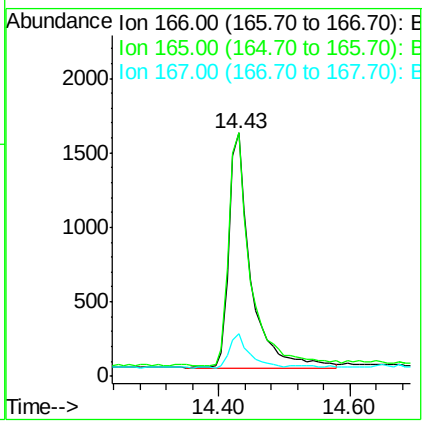


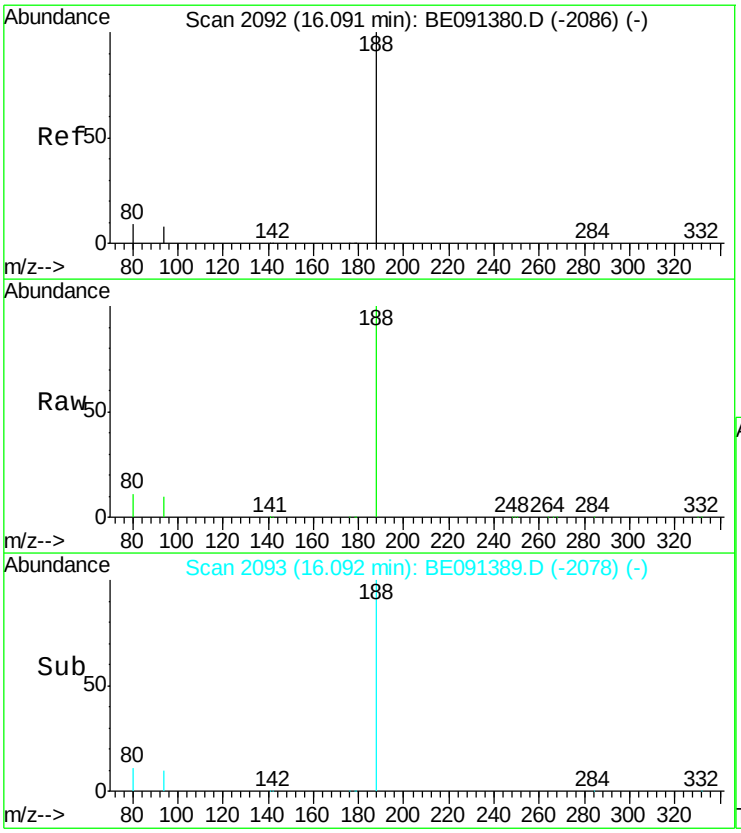
#13
Fluorene
Concen: 0.07 ng
RT: 14.43 min Scan# 1961
Delta R.T. 0.03 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:166 Resp: 3620

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.3	118.9
167	13.2	10.6	16.0

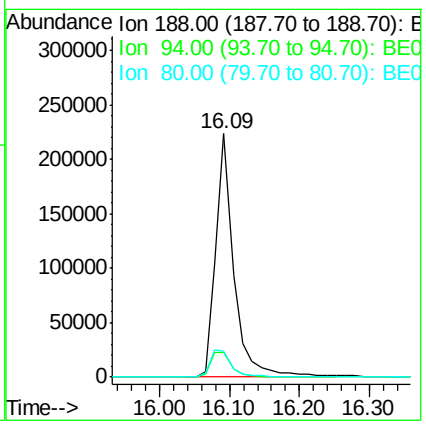


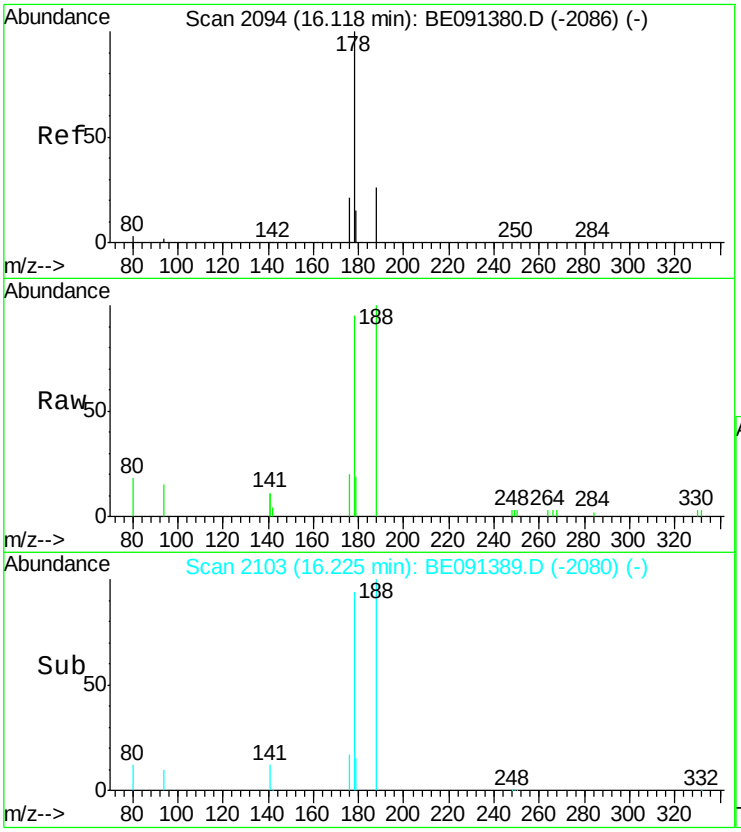


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.09 min Scan# 2093
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:188 Resp: 402243

Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.6	10.0#
80	10.6	7.0	10.6#



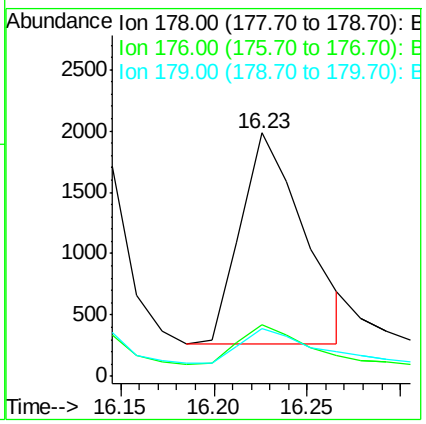


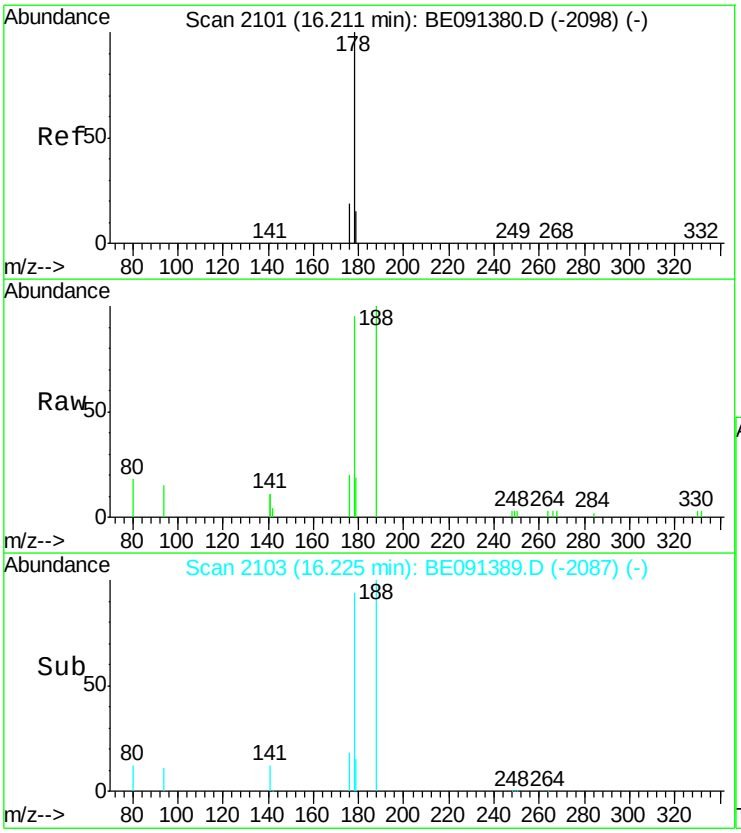
#15
Phenanthrene
Concen: 0.04 ng
RT: 16.23 min Scan# 2103
Delta R.T. 0.11 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:178 Resp: 4083

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.8	12.7	19.1

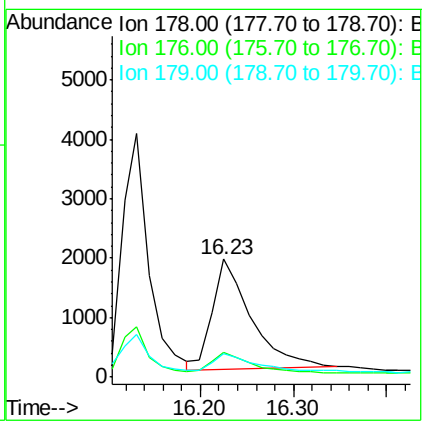


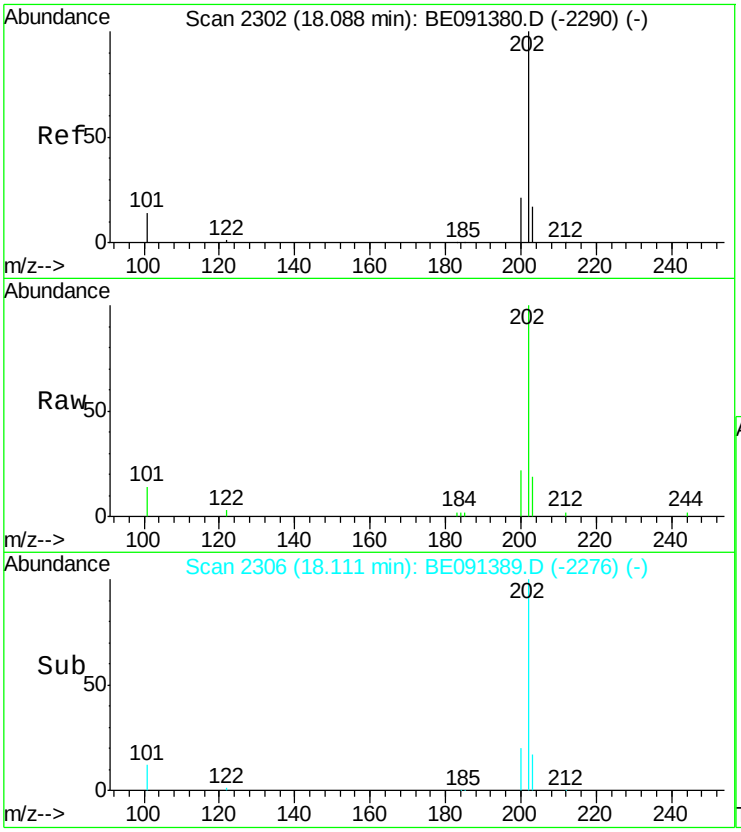


#16
Anthracene
Concen: 0.06 ng
RT: 16.23 min Scan# 2103
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:178 Resp: 5318

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	16.8	12.1	18.1



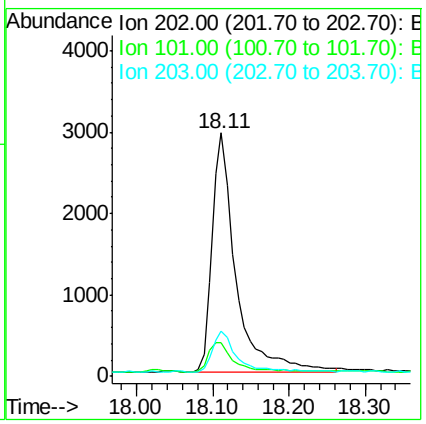


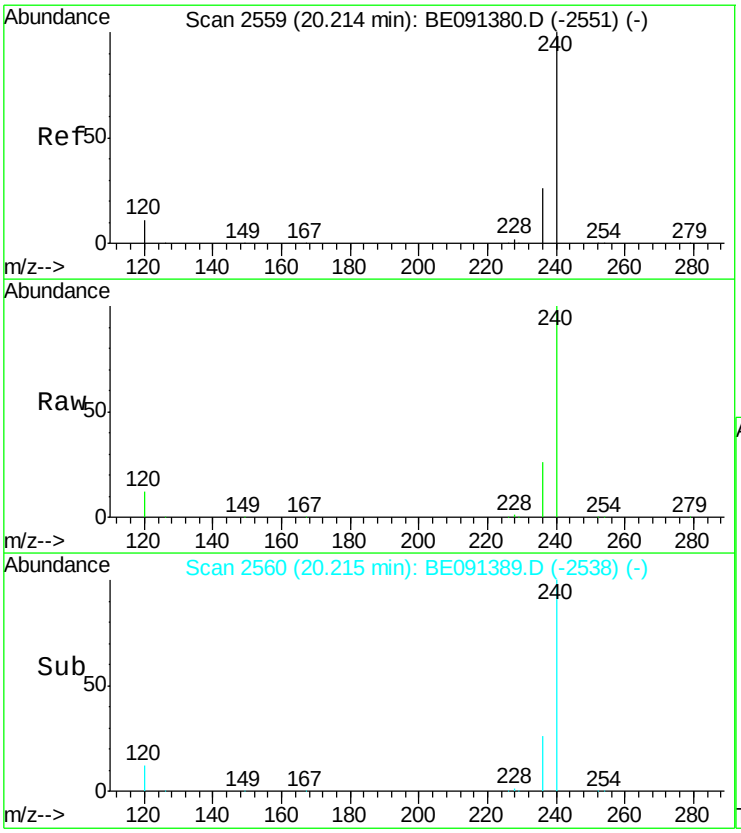
#17
Fluoranthene
Concen: 0.17 ng
RT: 18.11 min Scan# 2306
Delta R.T. 0.02 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:202 Resp: 6336

Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.5	15.7
203	17.8	13.9	20.9

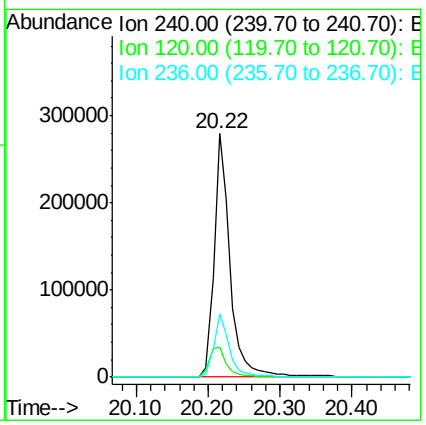


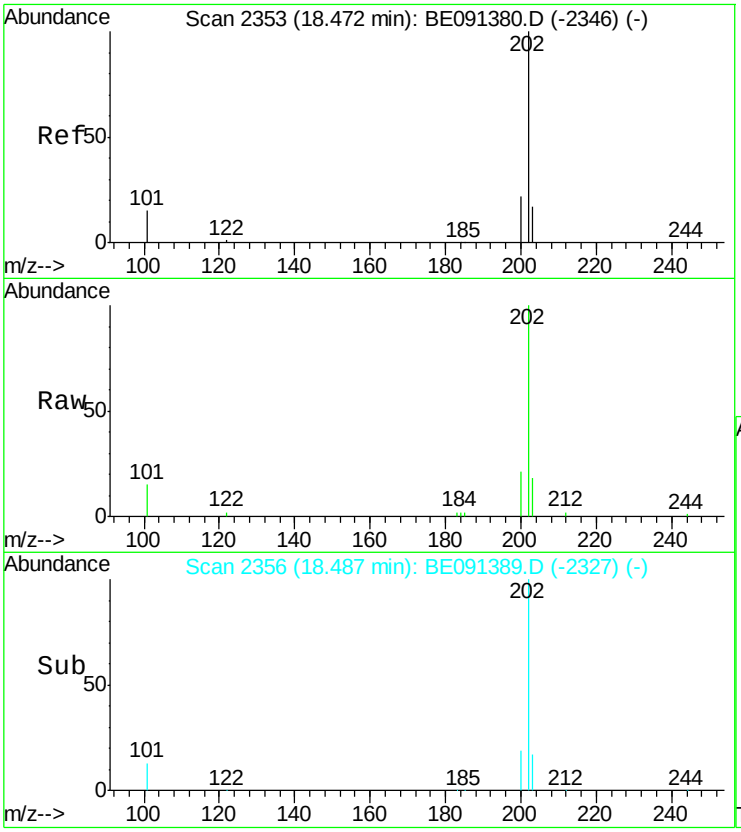


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.22 min Scan# 2560
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:240 Resp: 427442

Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.9	13.3
236	26.1	21.0	31.4



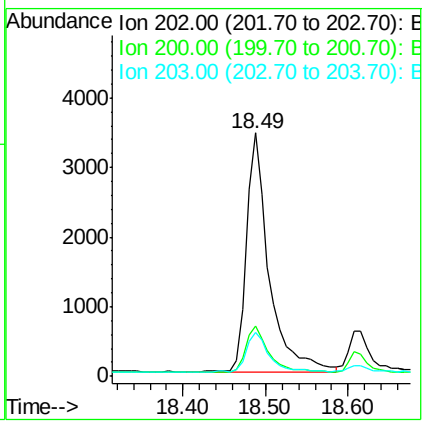


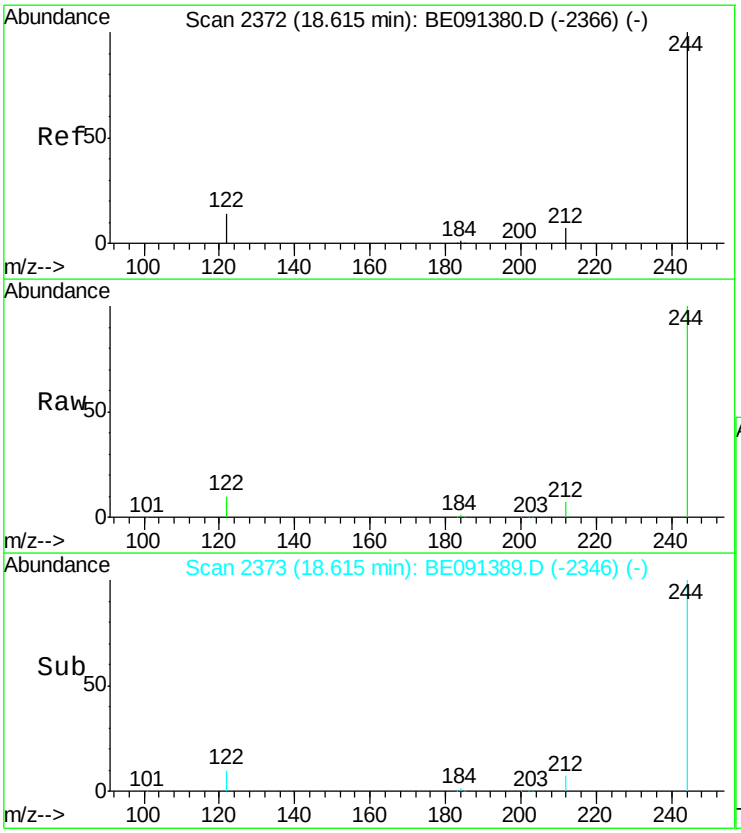
#19
Pyrene
Concen: 0.07 ng
RT: 18.49 min Scan# 2356
Delta R.T. 0.02 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:202 Resp: 6513

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	18.0	14.0	21.0

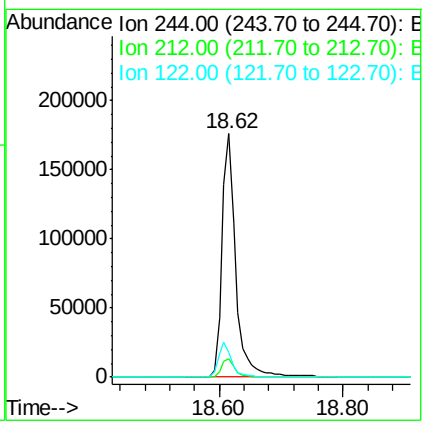


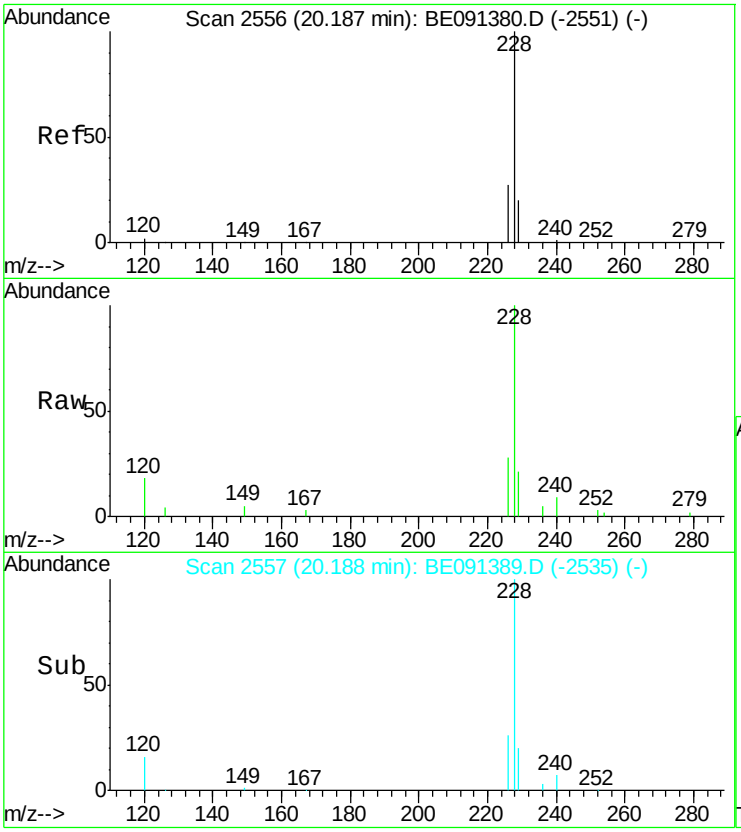


#20
Terphenyl-d14
Concen: 4.24 ng
RT: 18.62 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:244 Resp: 267875

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	10.2	11.0	16.6#



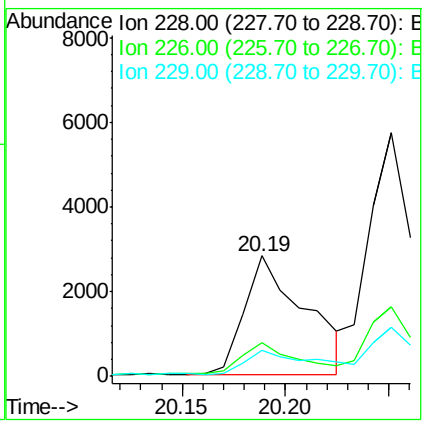


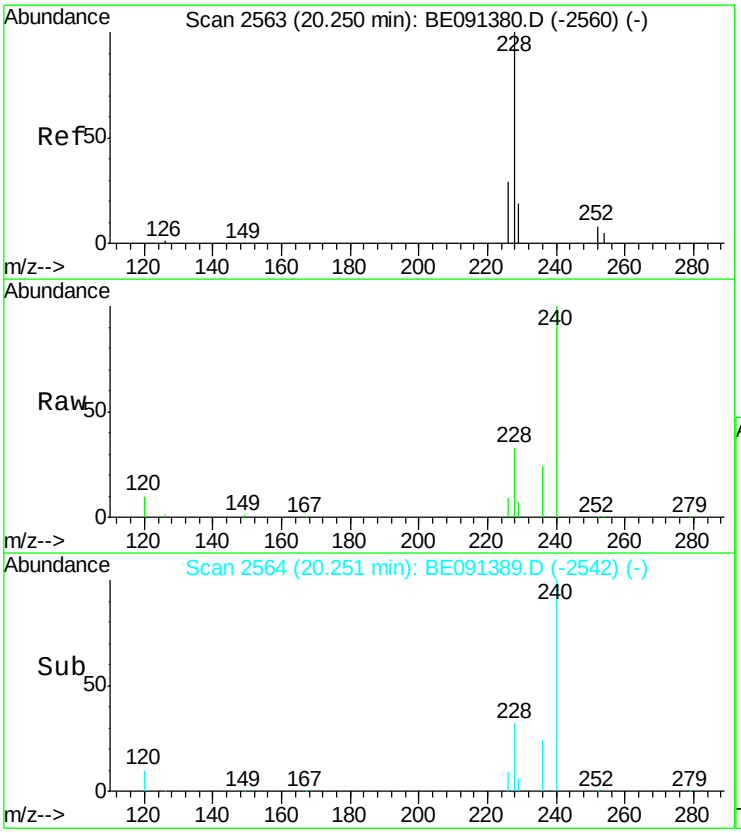
#21
Benzo(a)anthracene
Concen: 0.23 ng
RT: 20.19 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:228 Resp: 5629

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	21.1	16.1	24.1

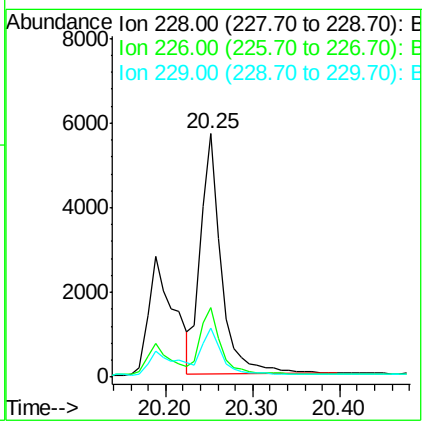


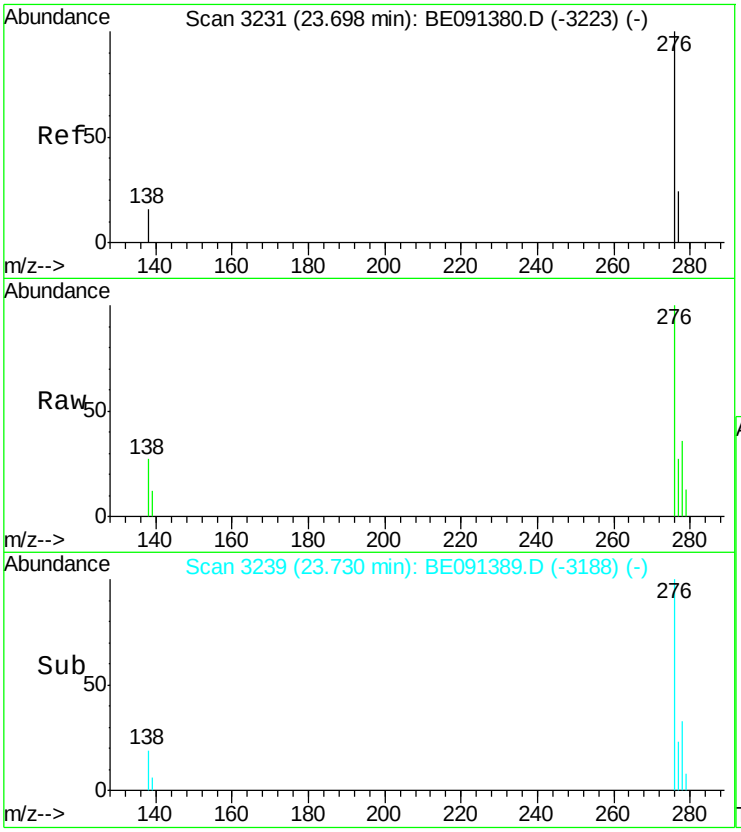


#22
Chrysene
Concen: 0.02 ng
RT: 20.25 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:228 Resp: 9342

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.4	35.0
229	20.0	15.7	23.5



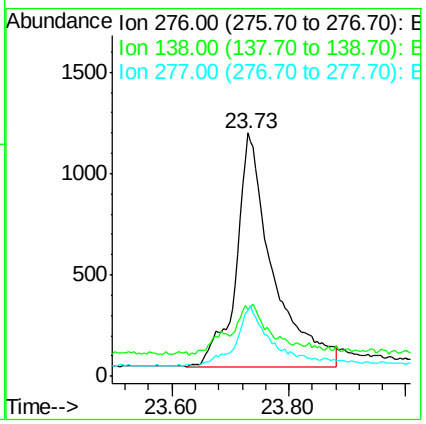


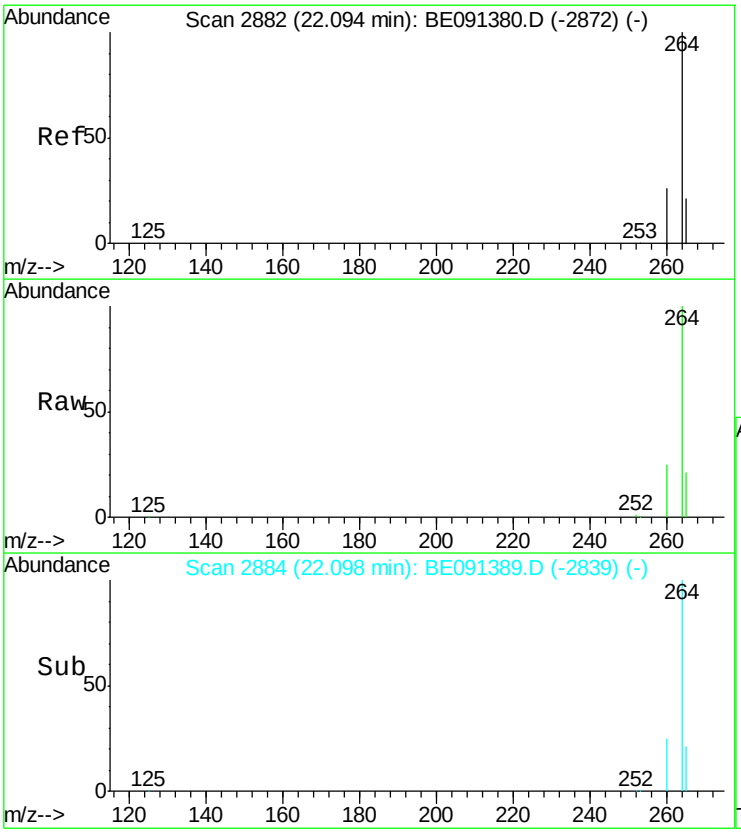
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.21 ng
RT: 23.73 min Scan# 3239
Delta R.T. 0.03 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:276 Resp: 4982

Ion	Ratio	Lower	Upper
276	100		
138	3.4	16.6	25.0#
277	22.1	19.0	28.6

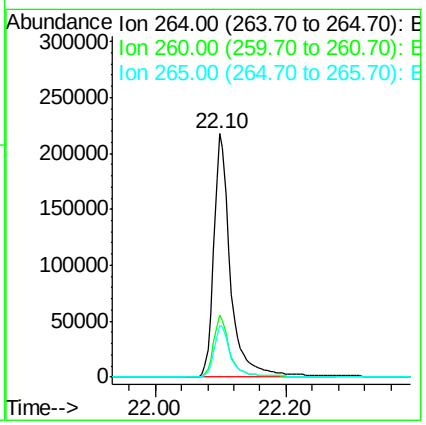


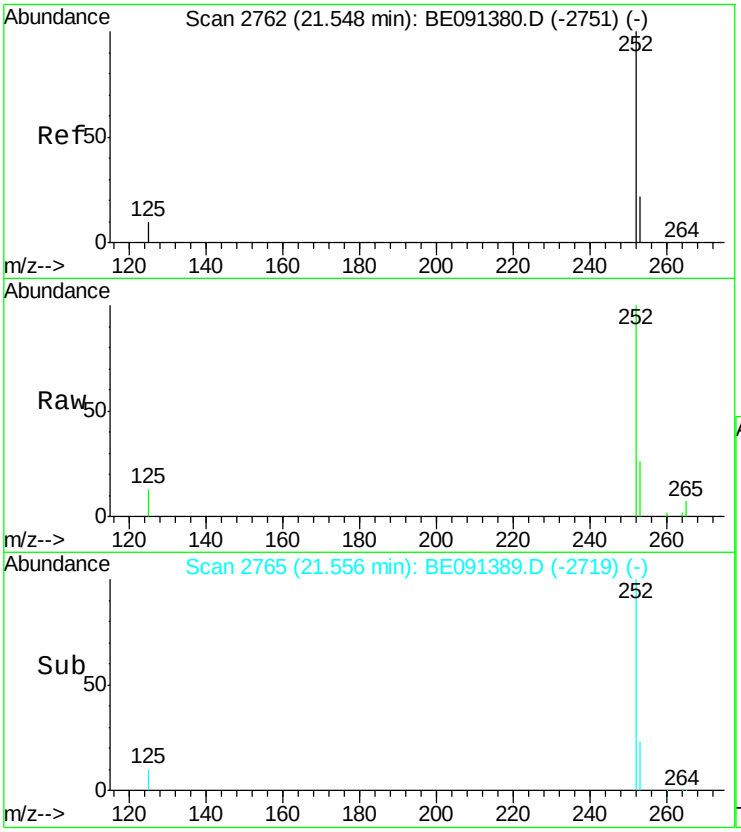


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2884
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:264 Resp: 386976

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.7	31.1
265	21.3	17.2	25.8



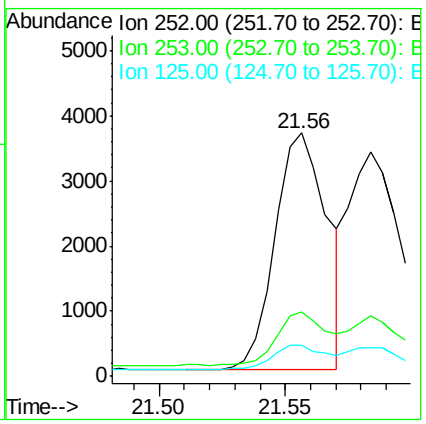


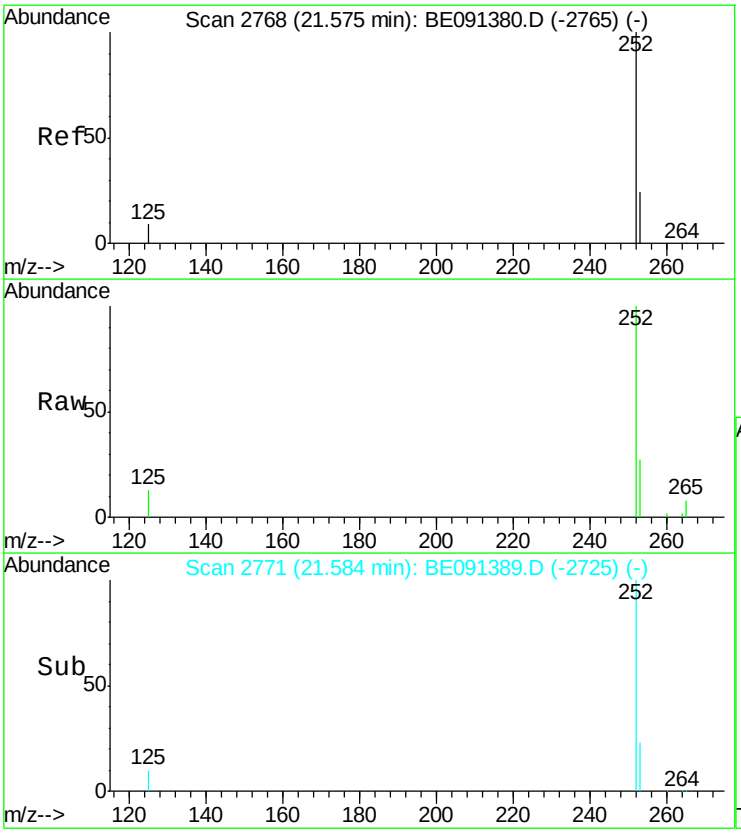
#25
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 21.56 min Scan# 2765
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:252 Resp: 5206

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.2	27.2
125	12.8	8.3	12.5#

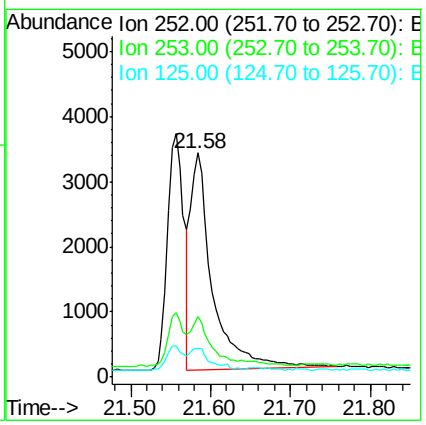


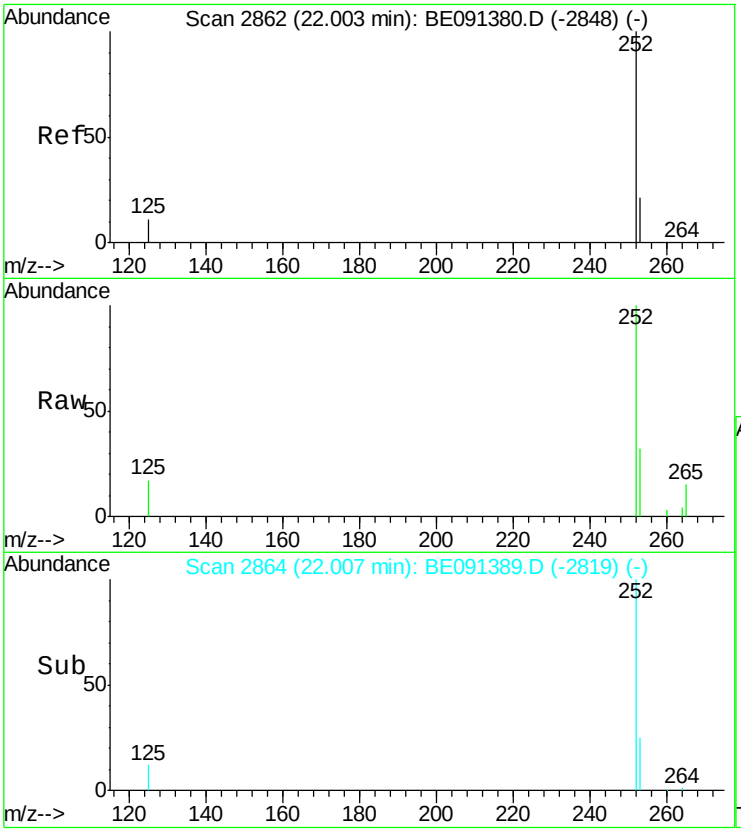


#26
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 21.58 min Scan# 2771
Delta R.T. 0.01 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:252 Resp: 6352

Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.1	27.1#
125	12.9	8.2	12.4#



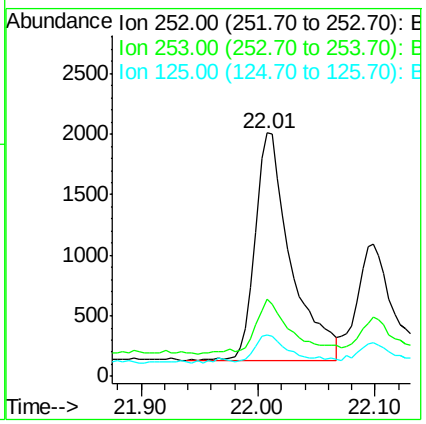


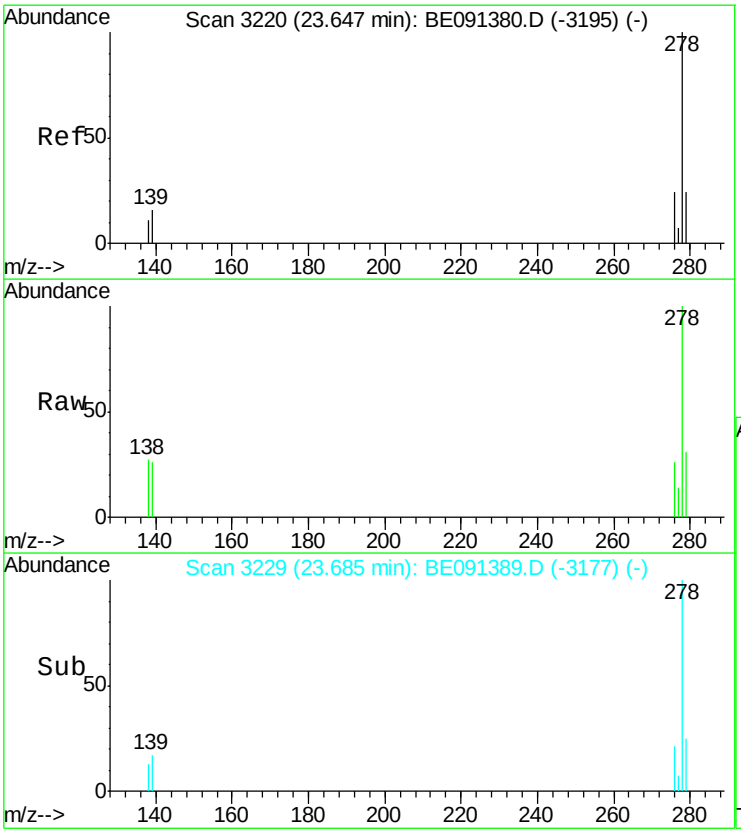
#27
Benzo(a)pyrene
Concen: 0.21 ng
RT: 22.01 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:252 Resp: 3988

Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.5	26.3#
125	17.0	9.4	14.0#

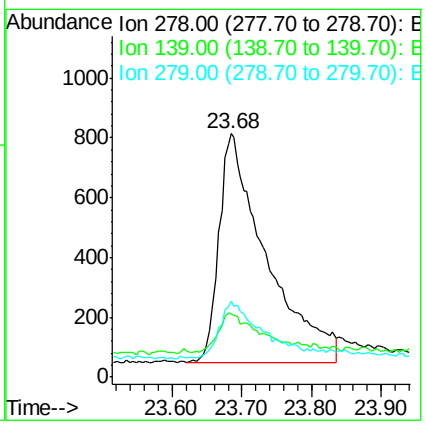


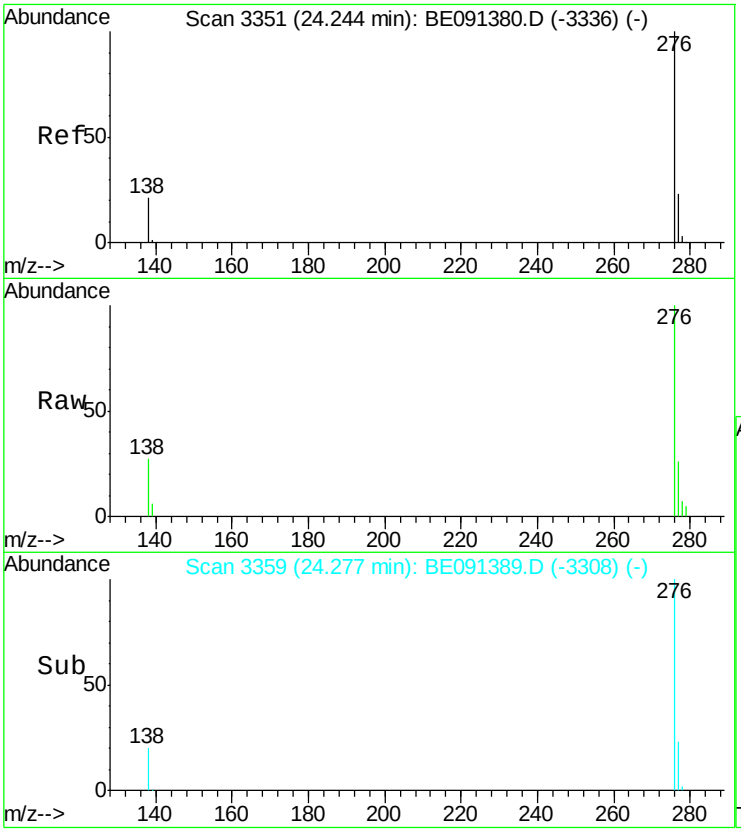


#28
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 23.68 min Scan# 3229
Delta R.T. 0.04 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Tgt Ion:278 Resp: 3589

Ion	Ratio	Lower	Upper
278	100		
139	26.0	13.0	19.4#
279	31.2	19.2	28.8#





#29
Benzo(g,h,i)perylene
Concen: 0.20 ng
RT: 24.28 min Scan# 3359
Delta R.T. 0.03 min
Lab File: BE091389.D
Acq: 4 Feb 2016 10:59

Instrument :
BNA_E
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:276 Resp: 5260

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.9	28.3
138	27.3	17.0	25.6#