Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051016\
Data File : BE091769.D
Acq On : 10 May 2016 23:01
Operator : UM/SJ
Sample : H2817-26DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PT-PAH-SOILDL

Quant Time: May 11 13:44:04 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	40096	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	194482	5.00	ng		0.00
13) Acenaphthene-d10	14.41	164	119471	5.00	ng		-0.01
19) Phenanthrene-d10	17.15	188	283299	5.00	ng		0.00
26) Chrysene-d12	21.31	240	272666	5.00	ng		0.00
35) Perylene-d12	23.74	264	283118	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	10954	1.11	ng		0.00
5) Phenol-d6	6.96	99	16276	1.25	ng		0.00
8) Nitrobenzene-d5	8.96	82	7486	0.60	ng		0.01
14) 2,4,6-Tribromophenol	15.90	330	4681	1.19	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	23996	0.71	ng		0.00
29) Terphenyl-d14	19.76	244	40302	0.95	ng		0.00
Target Compounds							Qvalue
10) Naphthalene	10.61	128	126548	3.22	ng		98
12) 2-Methylnaphthalene	12.24	142	24399	0.97	ng		92
16) Acenaphthylene	14.12	152	90463	1.97	ng	#	85
17) Acenaphthene	14.47	154	65103	2.18	ng		89
18) Fluorene	15.46	166	28387	0.77	ng		98
23) Phenanthrene	17.18	178	240312	3.73	ng		99
24) Anthracene	17.28	178	105505	1.82	ng		98
25) Fluoranthene	19.19	202	207396	3.08	ng	#	95
28) Pyrene	19.55	202	41417	0.67	ng		96
30) Benzo(a)anthracene	21.29	228	75383m	1.13	ng		
32) Chrysene	21.33	228	128453m	1.86	ng		
33) Bis(2-ethylhexyl)phthalate	21.20	149	5512	0.27	ng	#	74
34) Indeno(1,2,3-cd)pyrene	26.28	276	60291	0.98	ng	#	91
36) Benzo(b)fluoranthene	22.99	252	109820	1.66	ng		98
37) Benzo(k)fluoranthene	23.03	252	83872	1.24	ng		97
38) Benzo(a)pyrene	23.62	252	60258	0.96	ng		97
39) Dibenzo(a,h)anthracene	26.32	278	23169	0.39	ng	#	96
40) Benzo(g,h,i)perylene	27.08	276	71097	1.18	ng	#	94

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

Quantitation Report (QT Reviewed)

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Instrument :
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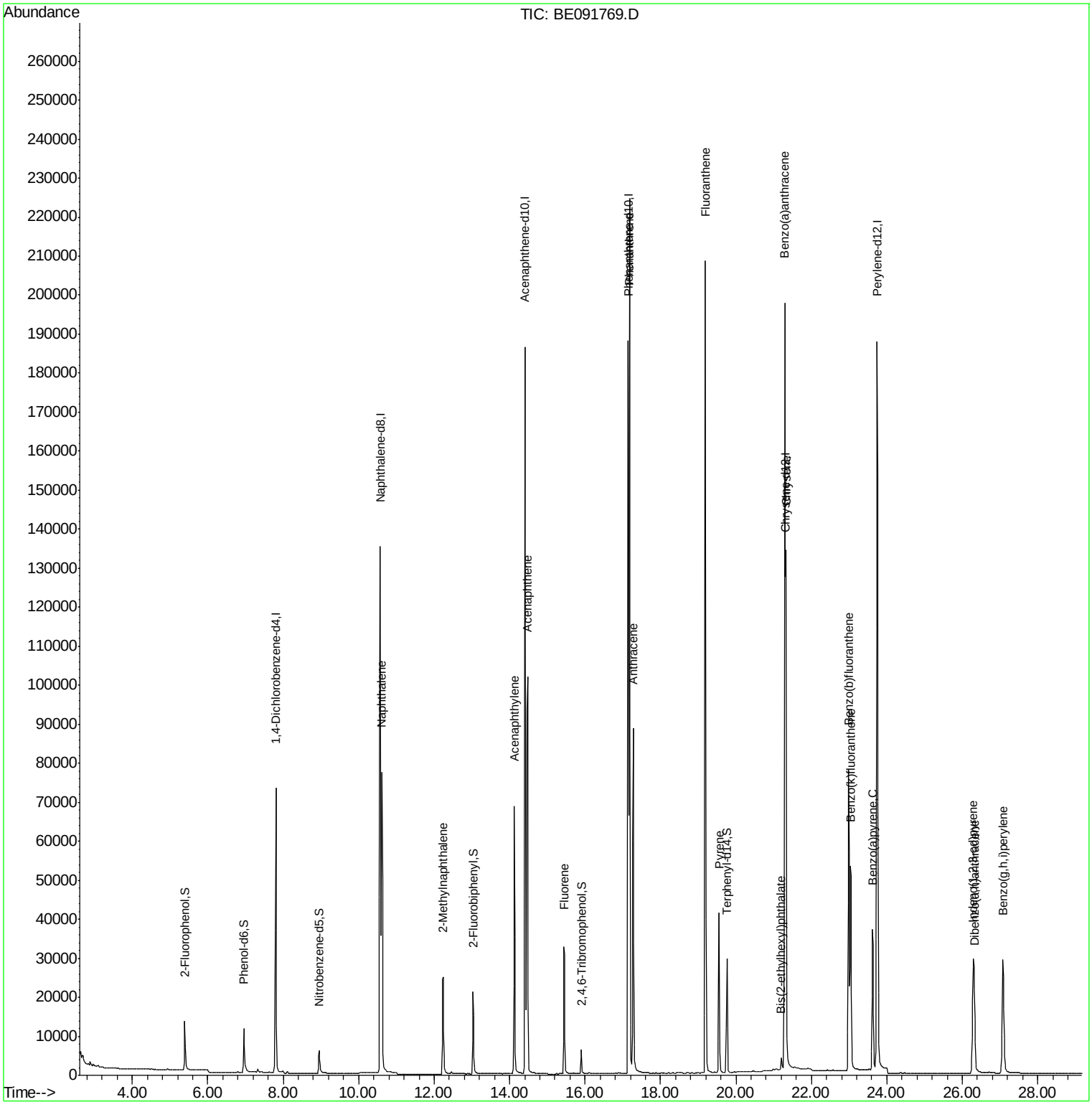
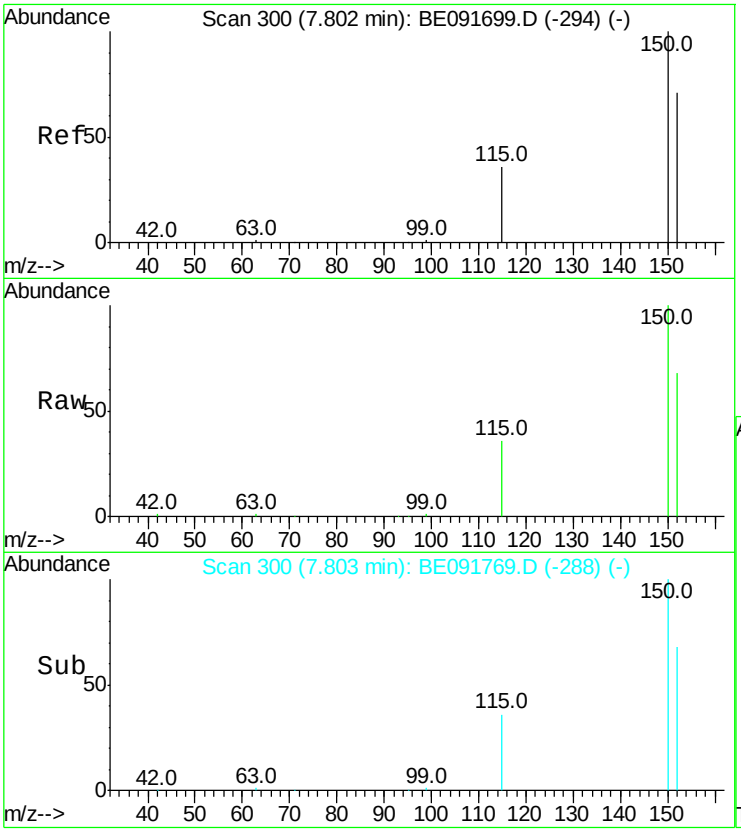


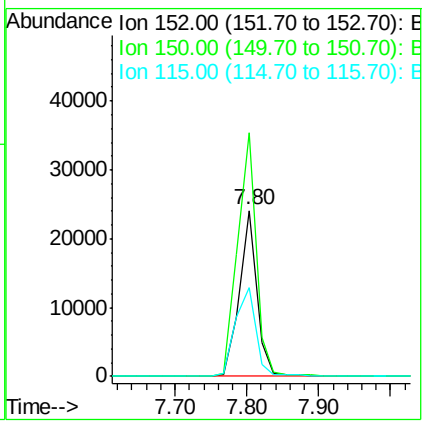


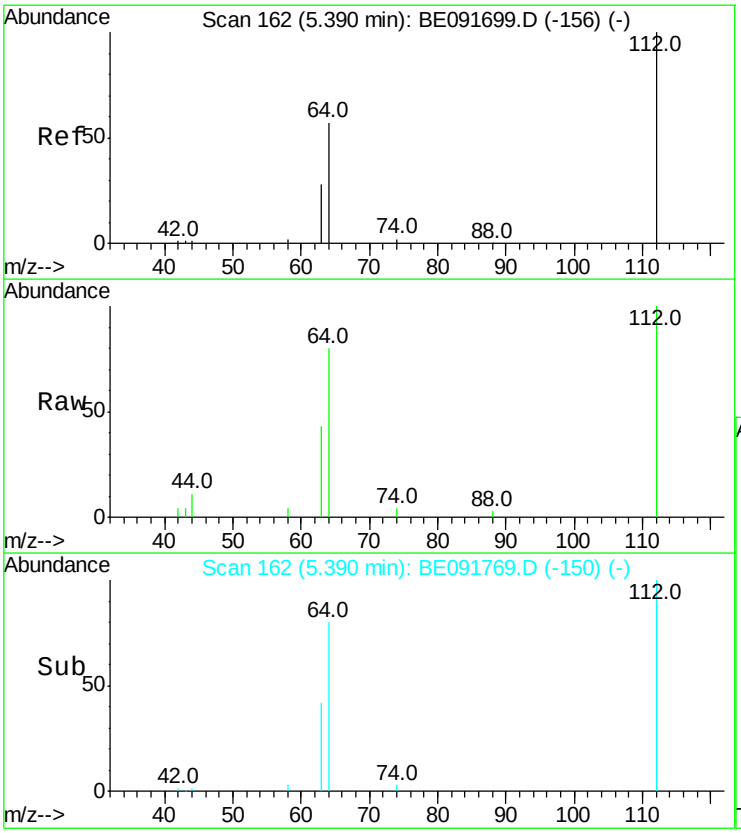
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:152 Resp: 40096

Ion	Ratio	Lower	Upper
152	100		
150	146.9	122.6	183.8
115	53.4	52.8	79.2

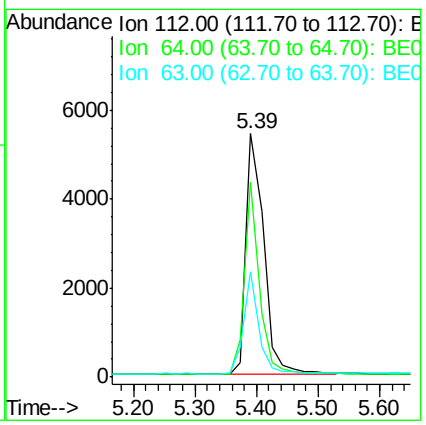


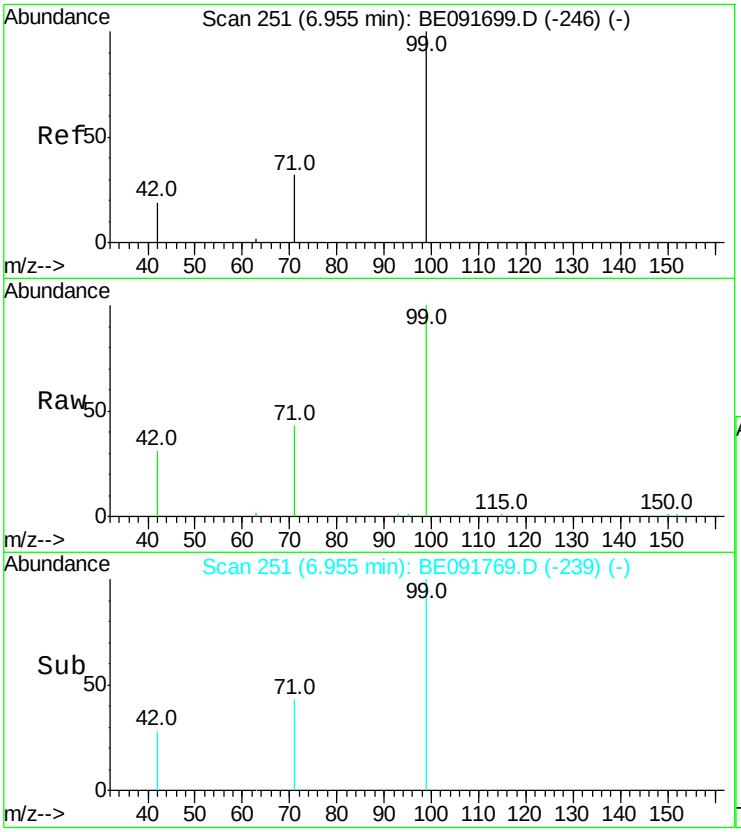


#4
2-Fluorophenol
Concen: 1.11 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:112 Resp: 10954

Ion	Ratio	Lower	Upper
112	100		
64	66.7	30.9	46.3#
63	36.1	16.7	25.1#



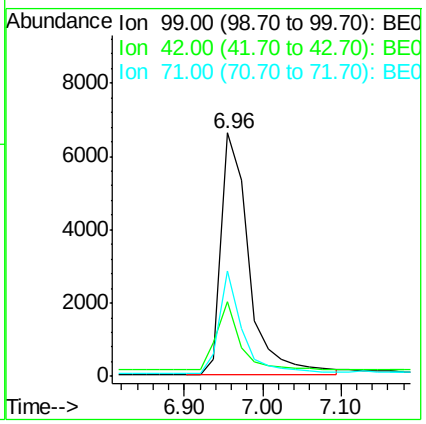


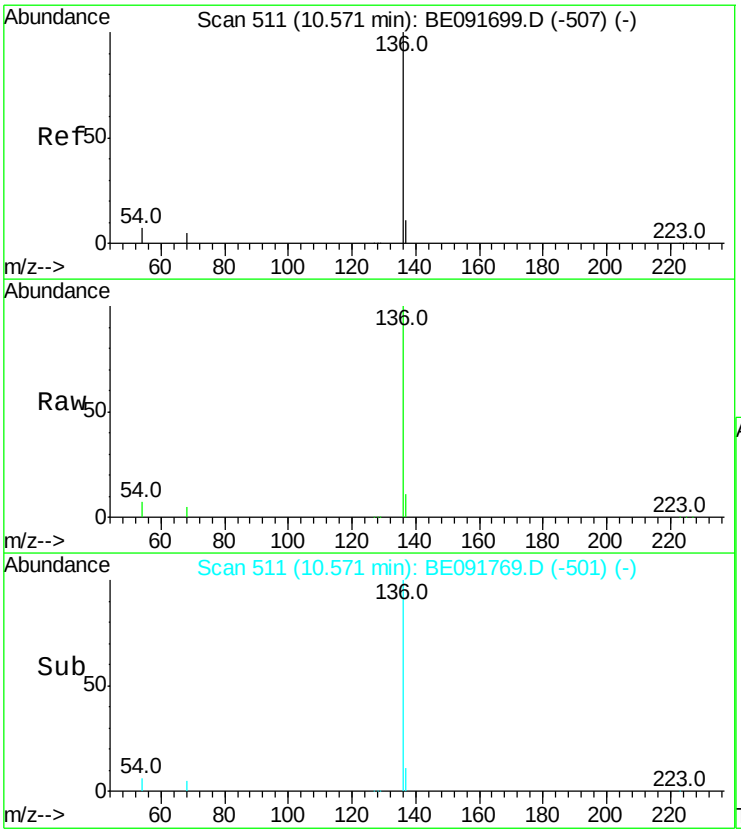
#5
Phenol-d6
Concen: 1.25 ng
RT: 6.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion: 99 Resp: 16276

Ion	Ratio	Lower	Upper
99	100		
42	24.3	16.2	24.2#
71	36.2	29.0	43.4

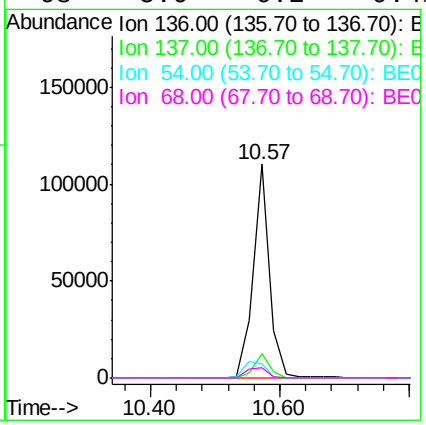


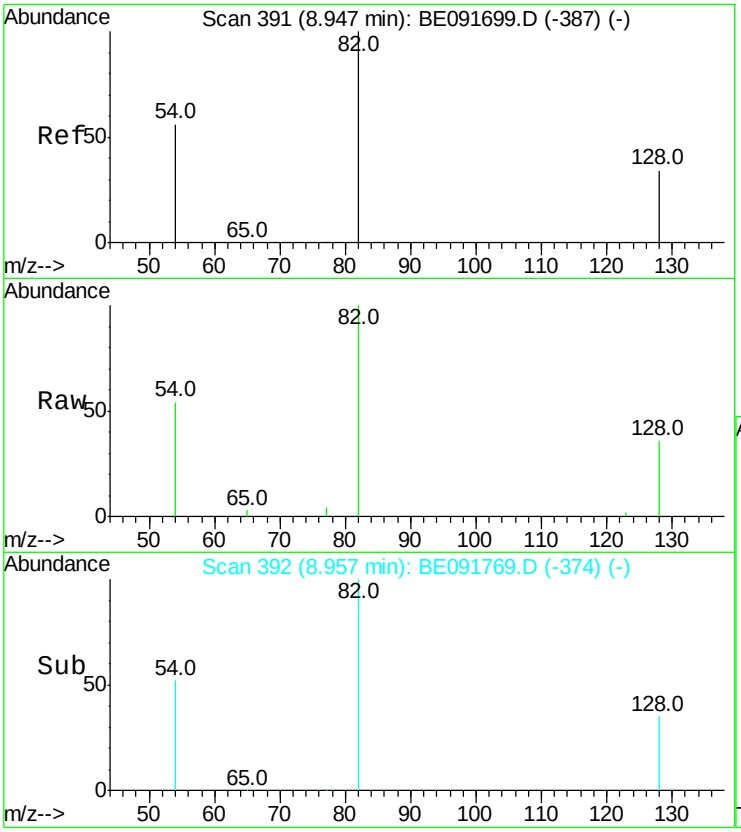


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:136 Resp: 194482

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.5	8.2	12.4#
68	5.0	6.2	9.4#



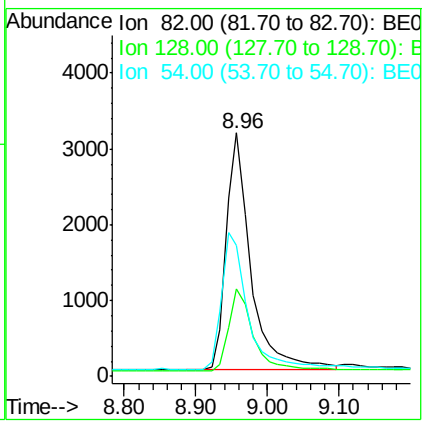


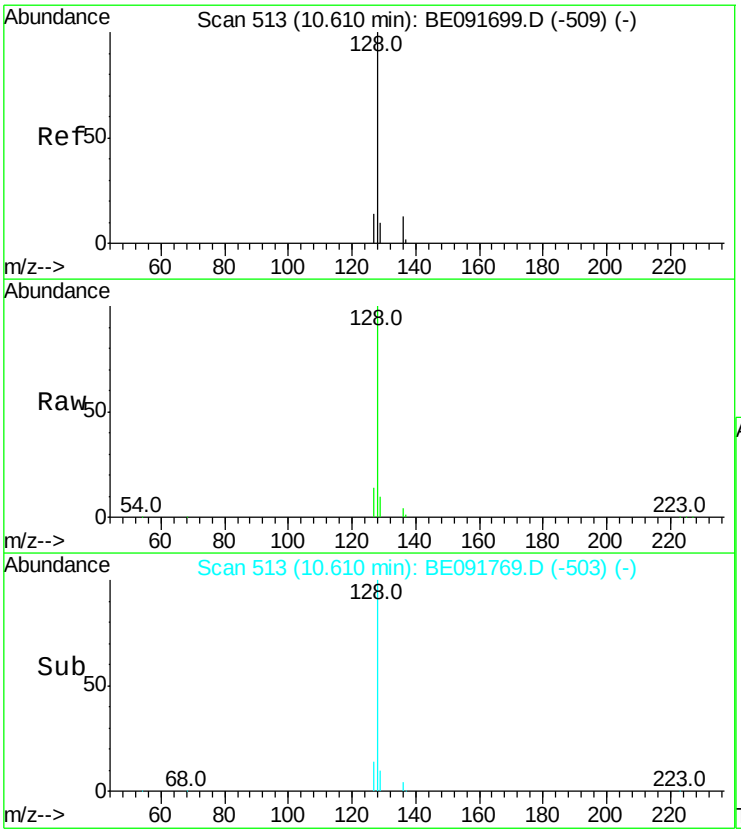
#8
Nitrobenzene-d5
Concen: 0.60 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion: 82 Resp: 7486

Ion	Ratio	Lower	Upper
82	100		
128	36.2	25.4	38.0
54	53.8	48.4	72.6

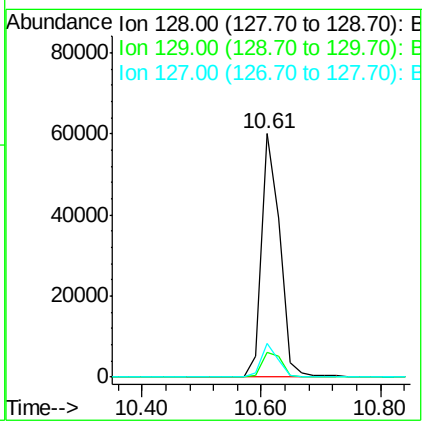


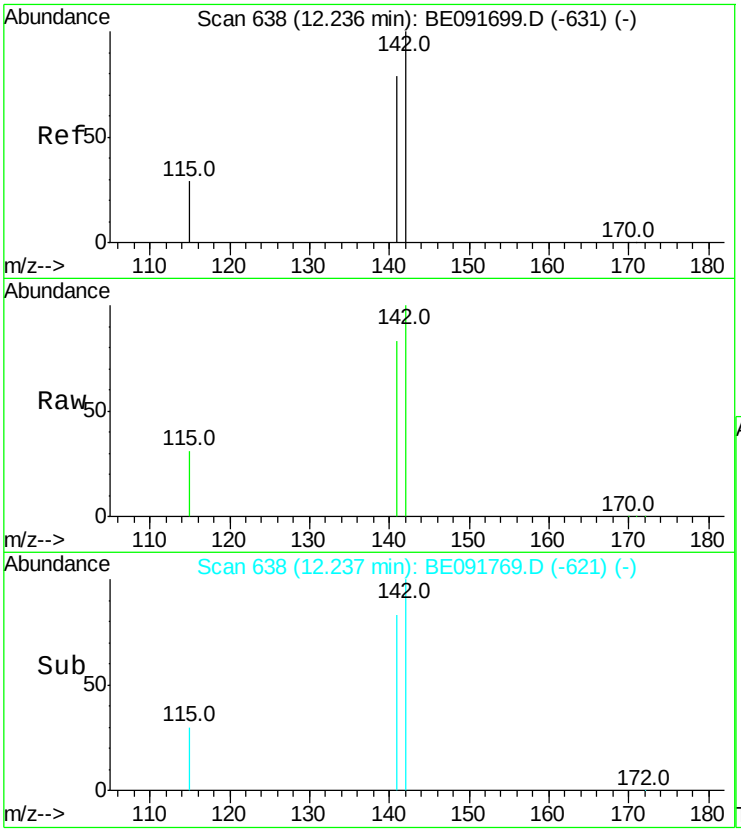


#10
Naphthalene
Concen: 3.22 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:128 Resp: 126548

Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.3	13.9
127	14.0	10.7	16.1



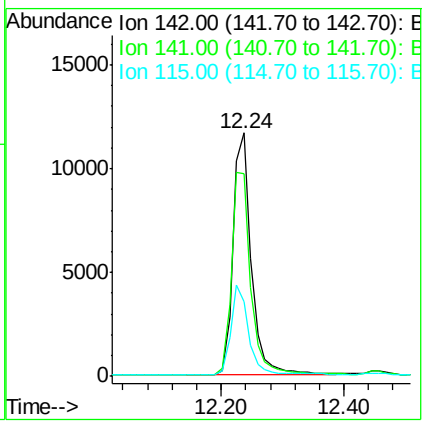


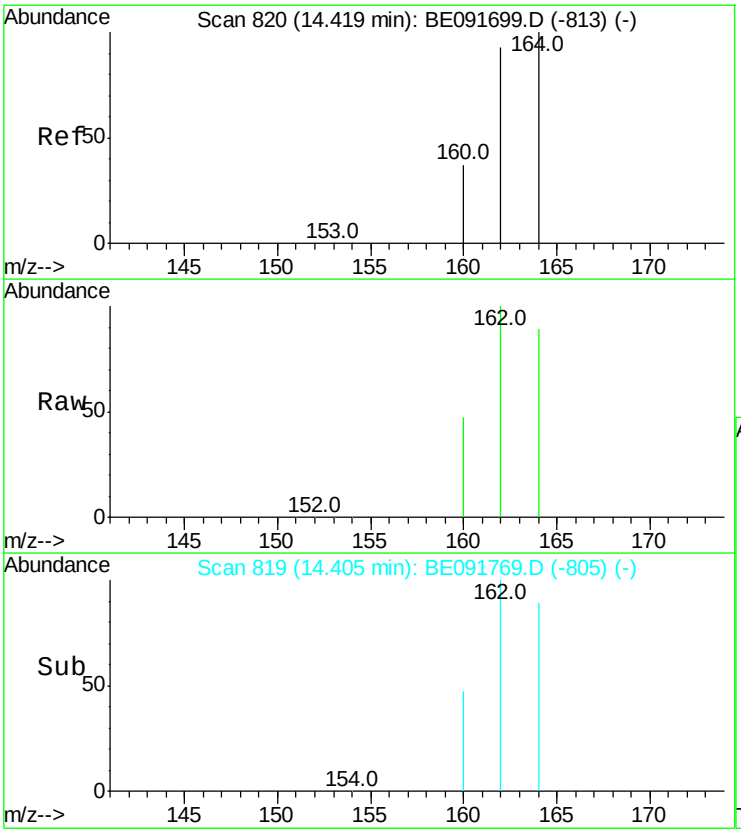
#12
2-Methylnaphthalene
Concen: 0.97 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:142 Resp: 24399

Ion	Ratio	Lower	Upper
142	100		
141	83.0	71.4	107.0
115	30.8	30.3	45.5

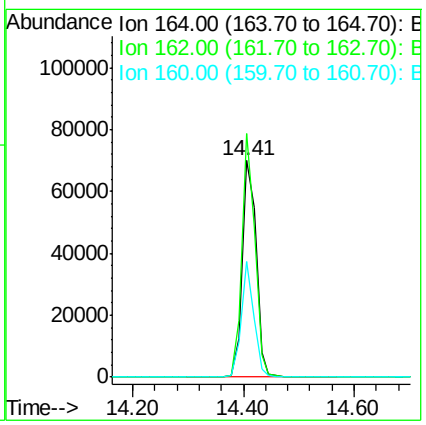


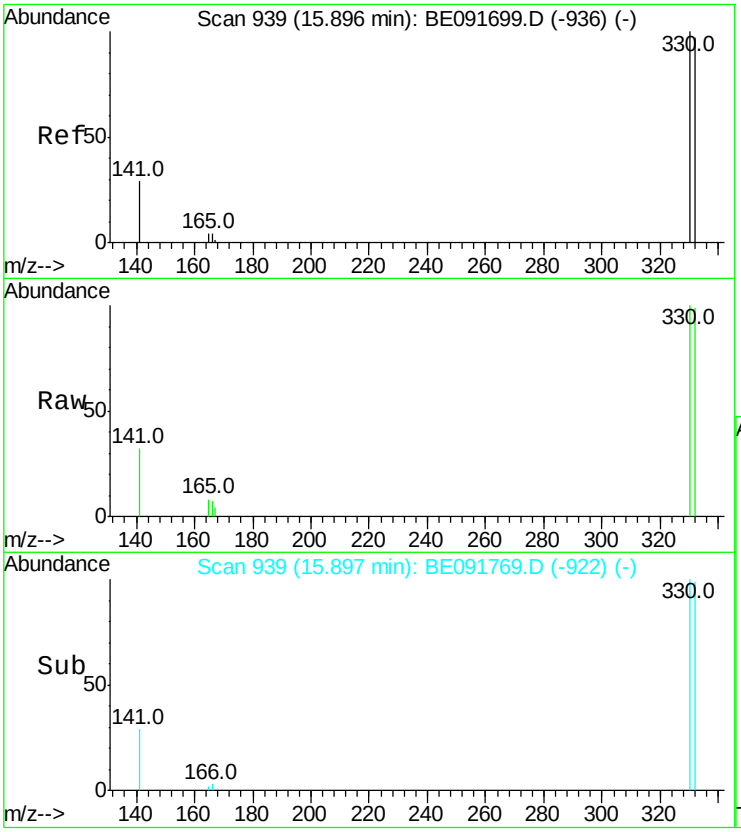


#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:164 Resp: 119471

Ion	Ratio	Lower	Upper
164	100		
162	112.4	85.3	127.9
160	53.4	46.2	69.2



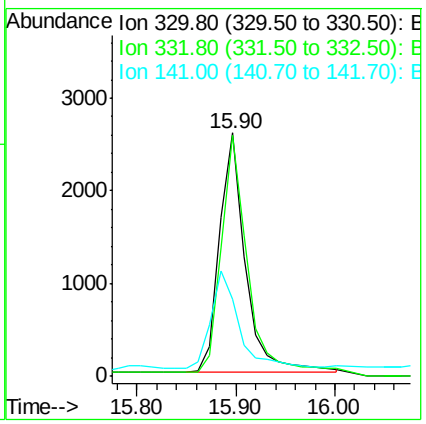


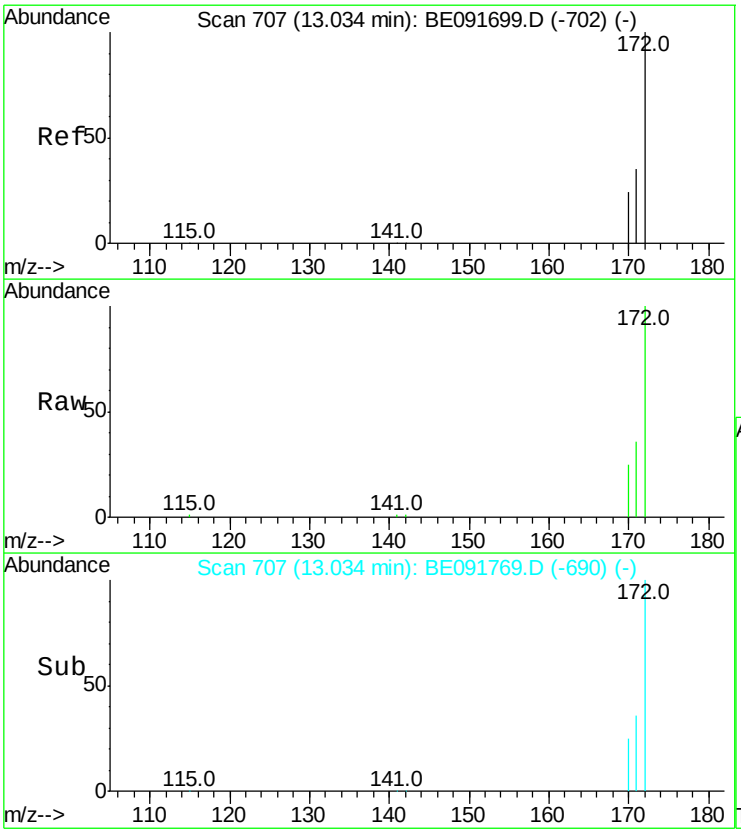
#14
2,4,6-Tribromophenol
Concen: 1.19 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:330 Resp: 4681

Ion	Ratio	Lower	Upper
330	100		
332	98.0	79.1	118.7
141	44.4	125.4	188.0#

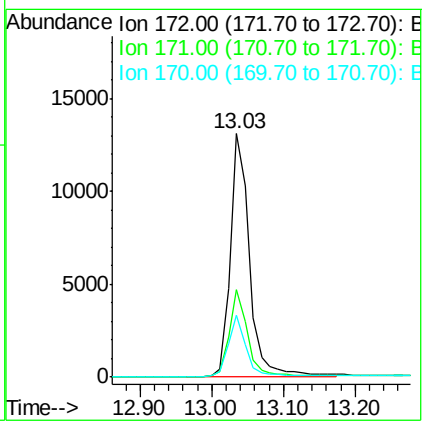


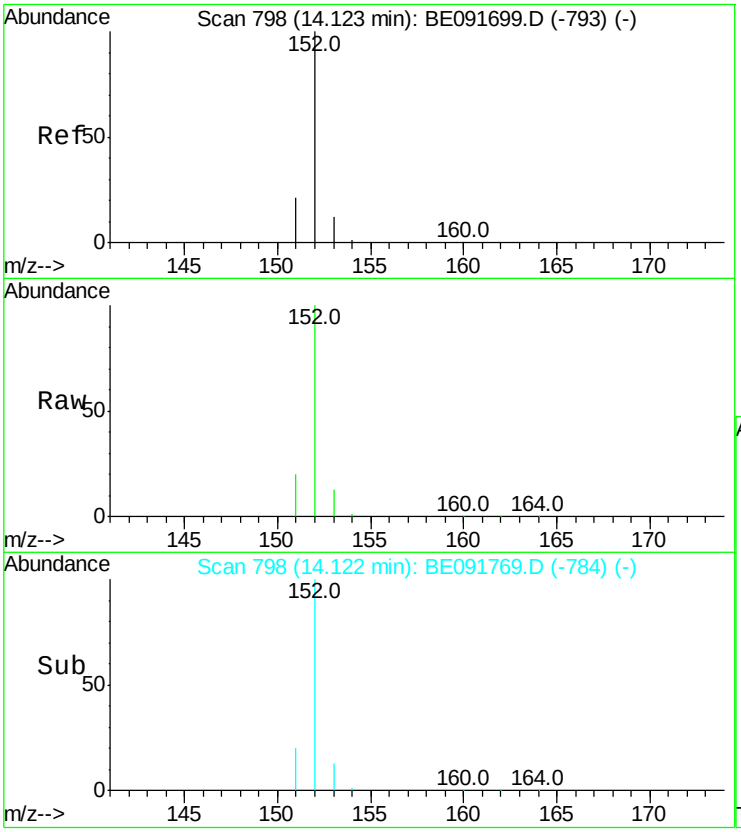


#15
2-Fluorobiphenyl
Concen: 0.71 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:172 Resp: 23996

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	25.3	19.3	28.9



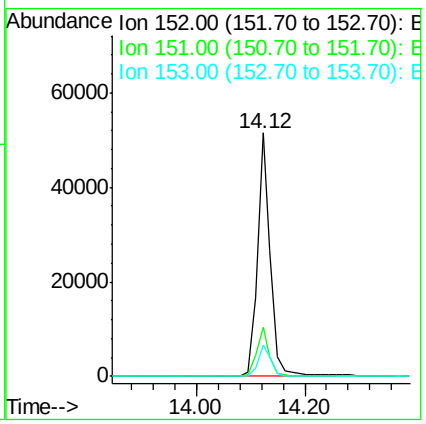


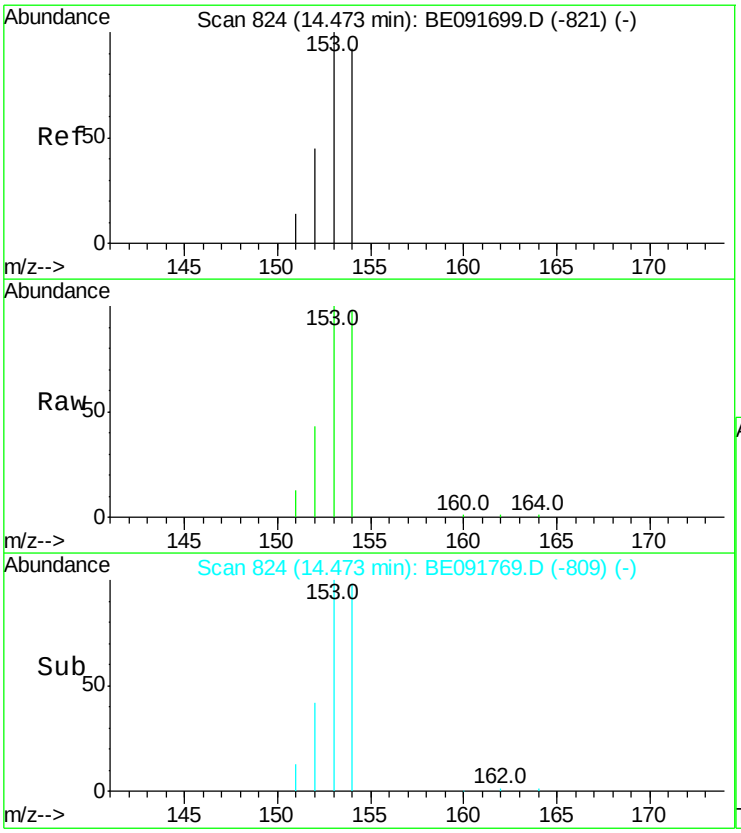
#16
Acenaphthylene
Concen: 1.97 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:152 Resp: 90463

Ion	Ratio	Lower	Upper
152	100		
151	20.5	3.9	5.9#
153	13.9	10.3	15.5

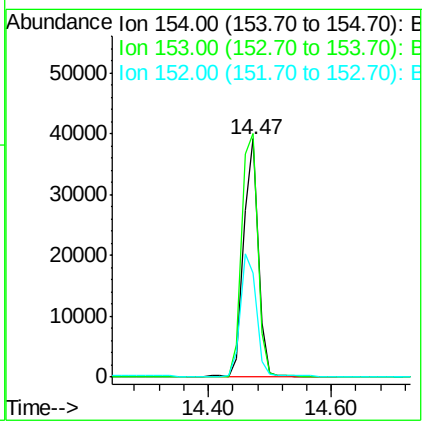


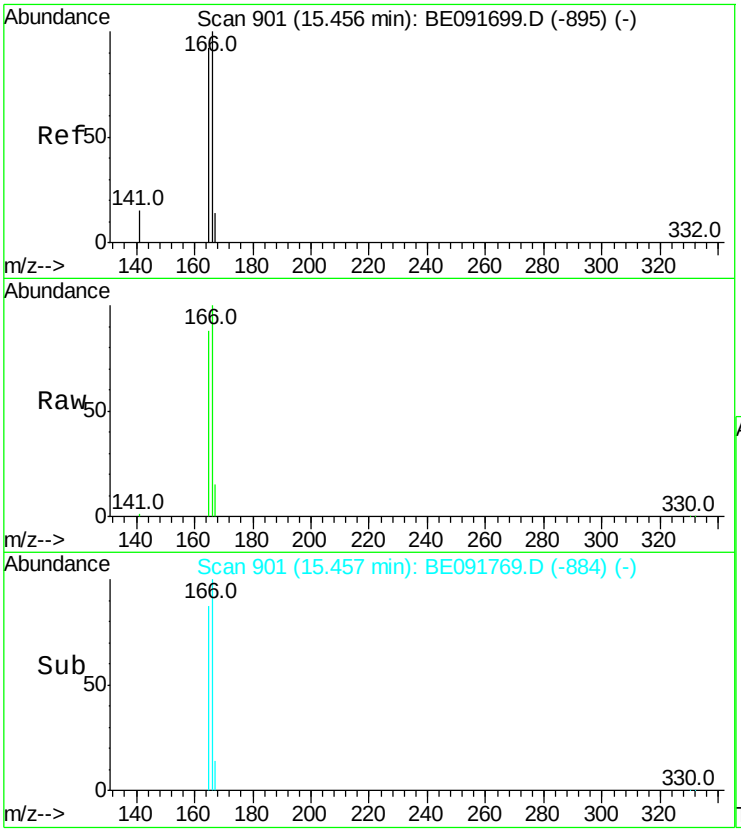


#17
Acenaphthene
Concen: 2.18 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:154 Resp: 65103

Ion	Ratio	Lower	Upper
154	100		
153	112.5	80.0	120.0
152	54.9	40.0	60.0



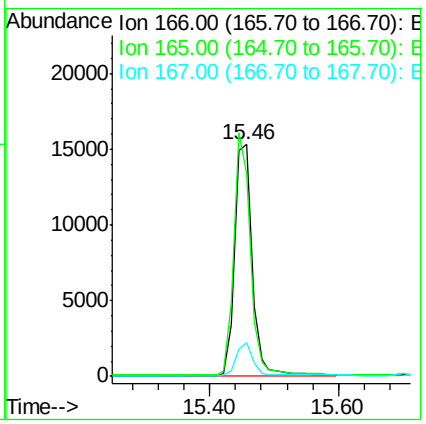


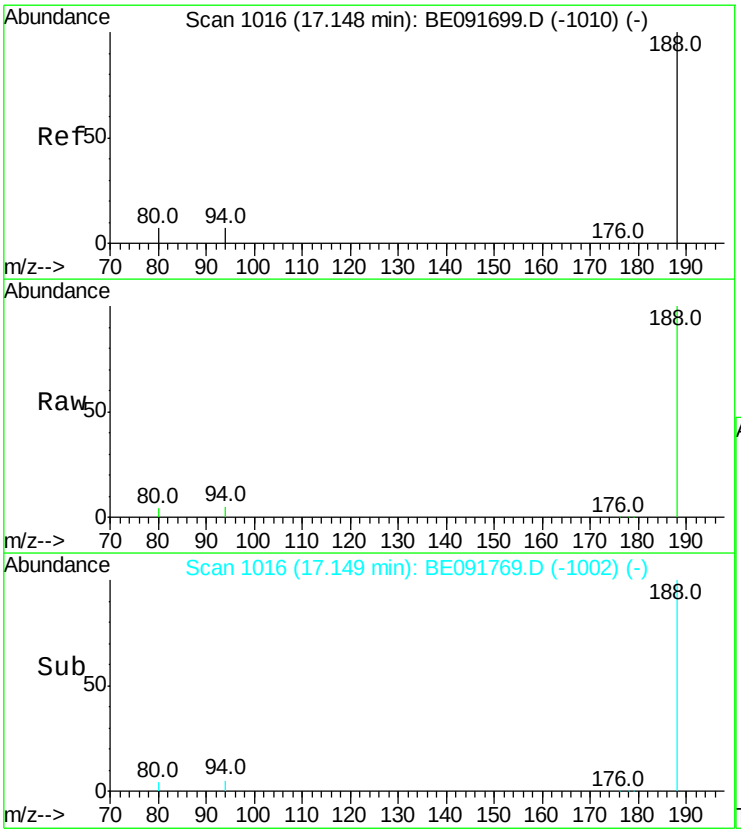
#18
Fluorene
Concen: 0.77 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:166 Resp: 28387

Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.8	121.2
167	13.4	10.9	16.3

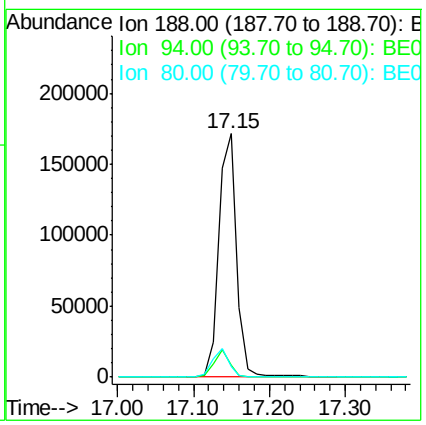


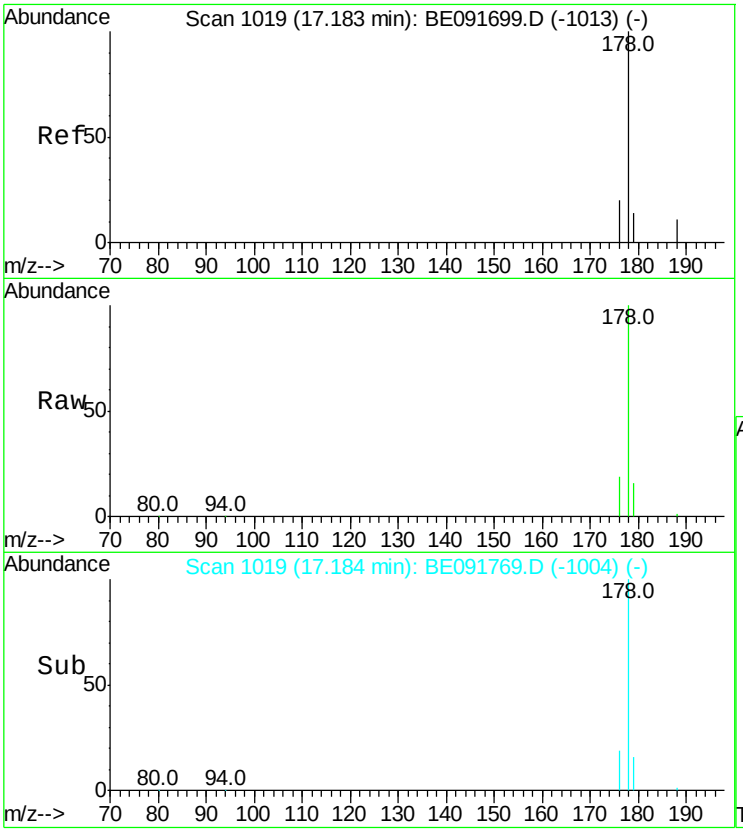


#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:188 Resp: 283299

Ion	Ratio	Lower	Upper
188	100		
94	5.1	8.7	13.1#
80	4.2	9.4	14.0#



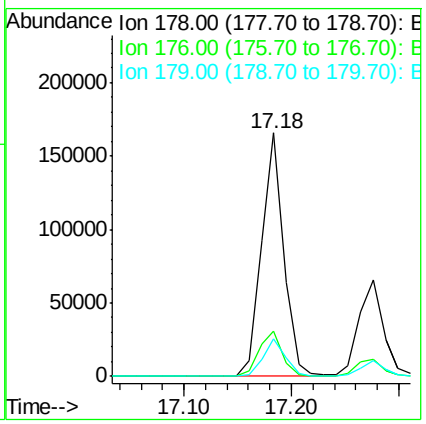


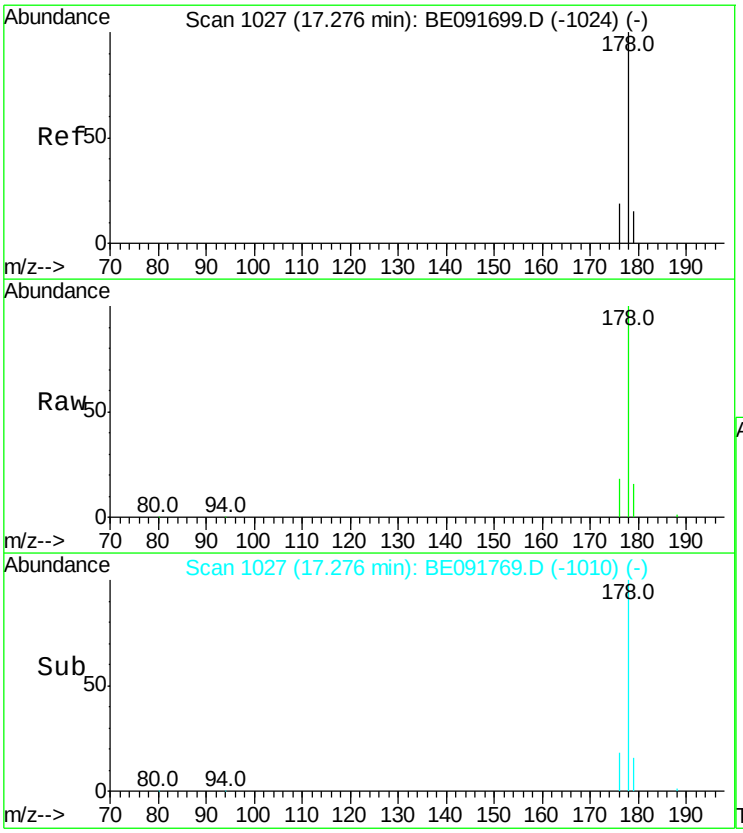
#23
Phenanthrene
Concen: 3.73 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:178 Resp: 240312

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.6	18.8

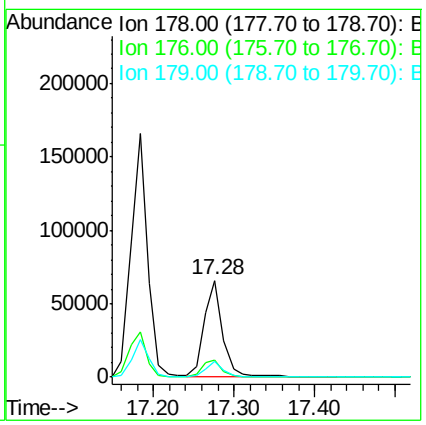


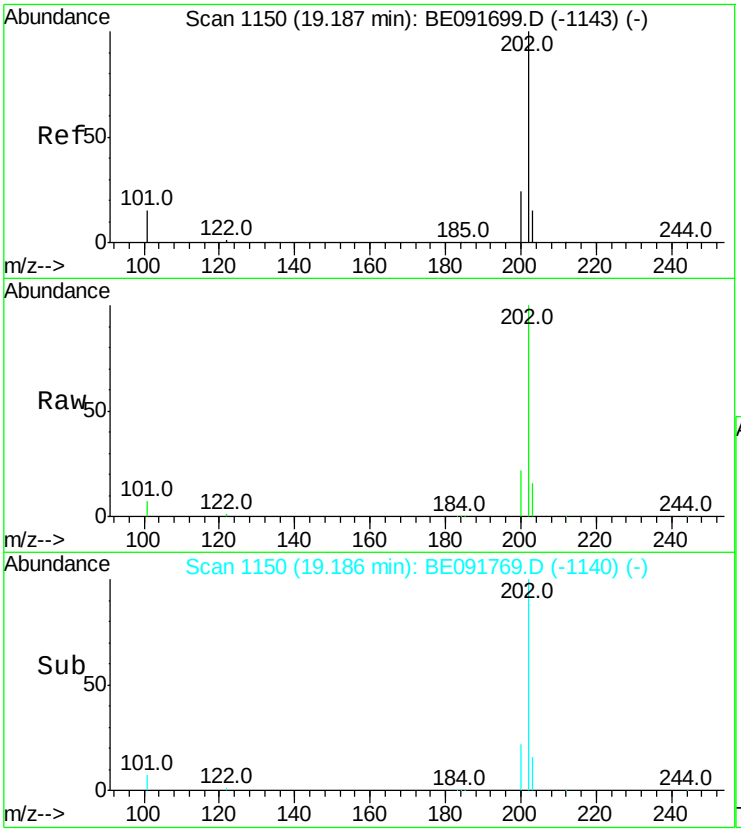


#24
Anthracene
Concen: 1.82 ng
RT: 17.28 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:178 Resp: 105505

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	15.2	11.8	17.6



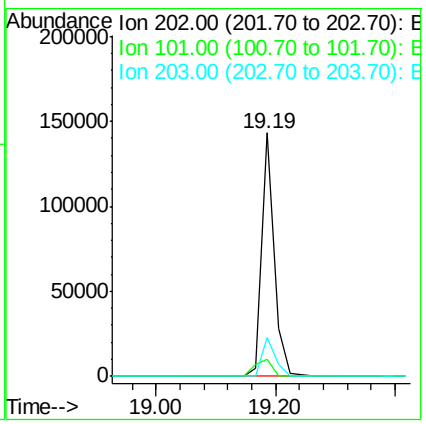


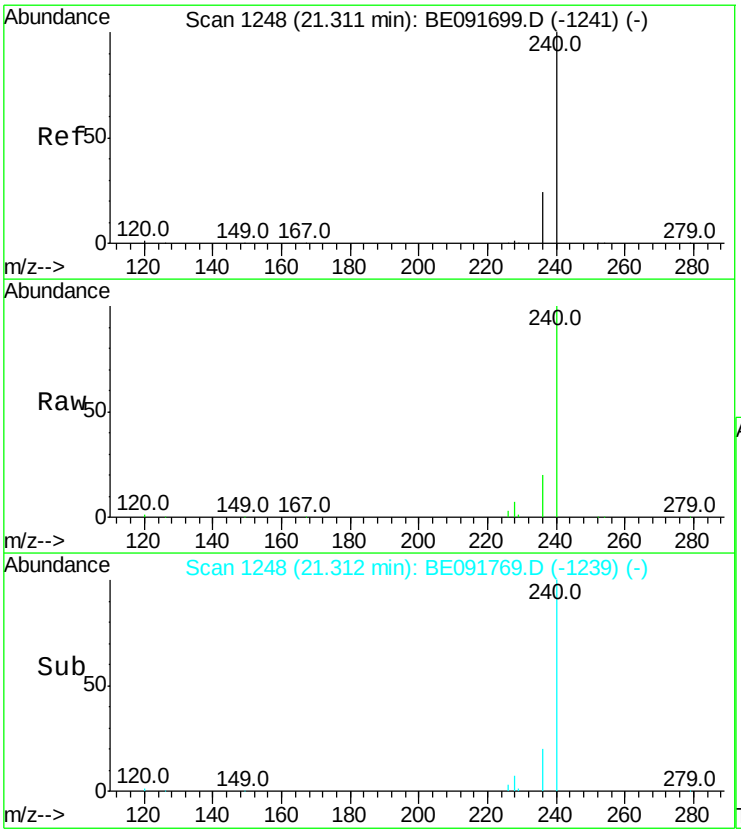
#25
Fluoranthene
Concen: 3.08 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:202 Resp: 207396

Ion	Ratio	Lower	Upper
202	100		
101	10.1	11.0	16.6#
203	16.9	13.9	20.9

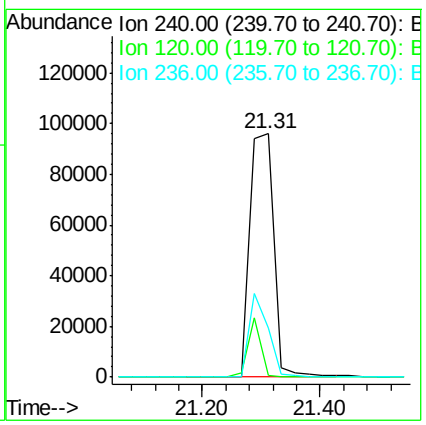


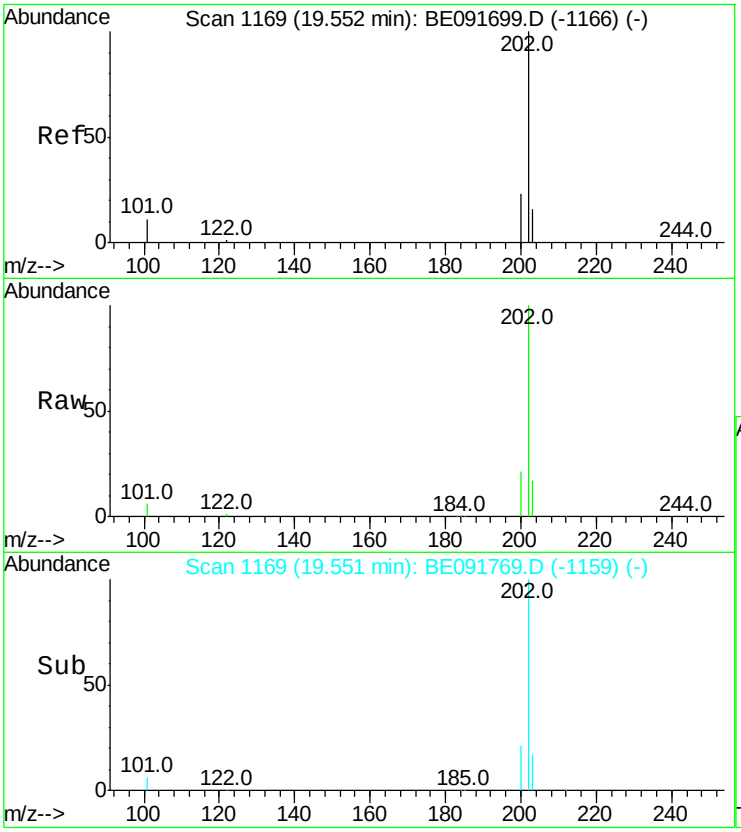


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:240 Resp: 272666

Ion	Ratio	Lower	Upper
240	100		
120	0.9	11.0	16.4#
236	20.3	21.7	32.5#



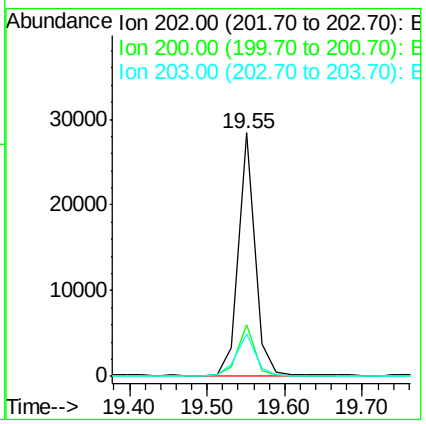


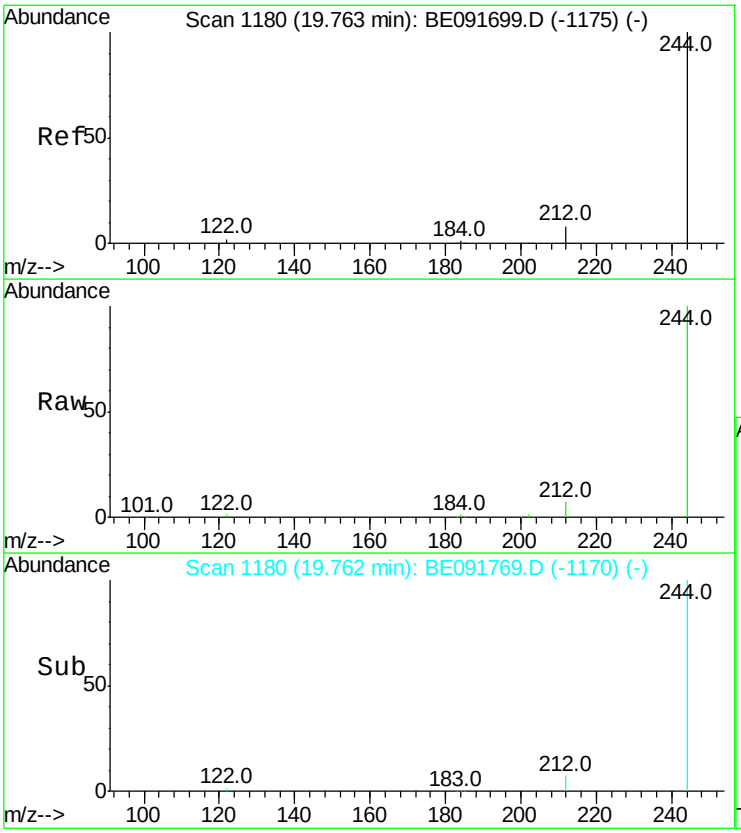
#28
Pyrene
Concen: 0.67 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:202 Resp: 41417

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	20.7	14.0	21.0

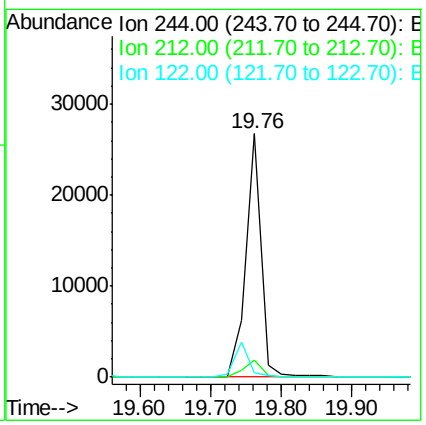


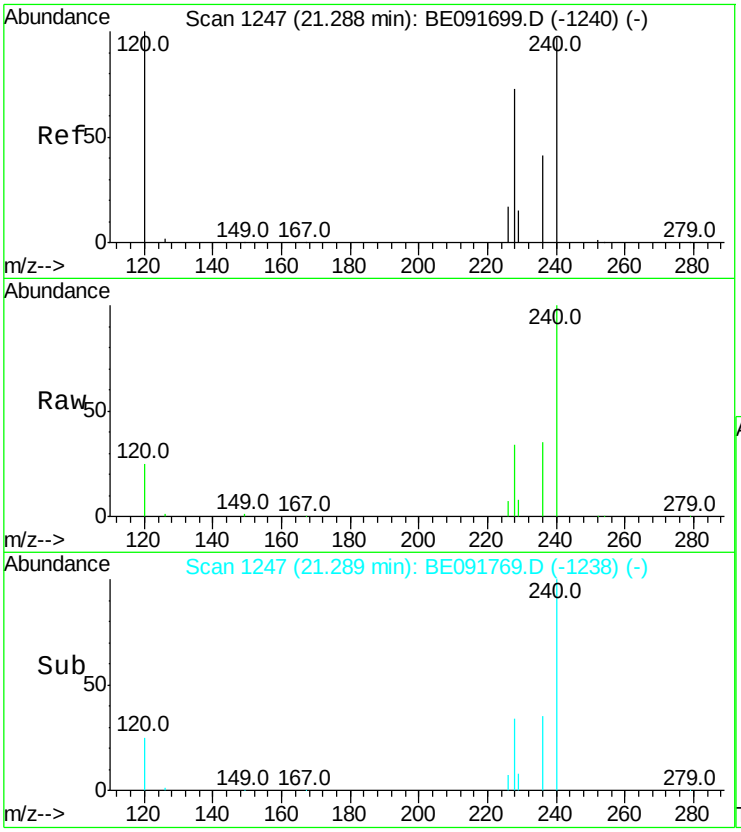


#29
Terphenyl-d14
Concen: 0.95 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:244 Resp: 40302

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.9	10.3
122	1.5	11.0	16.4#



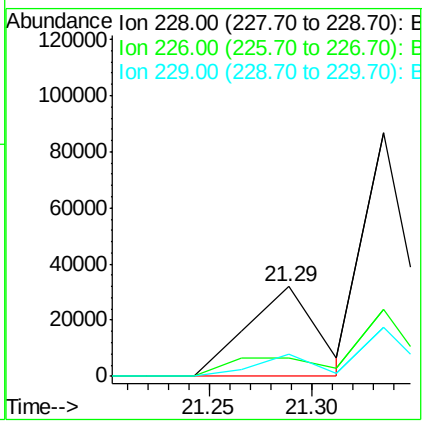


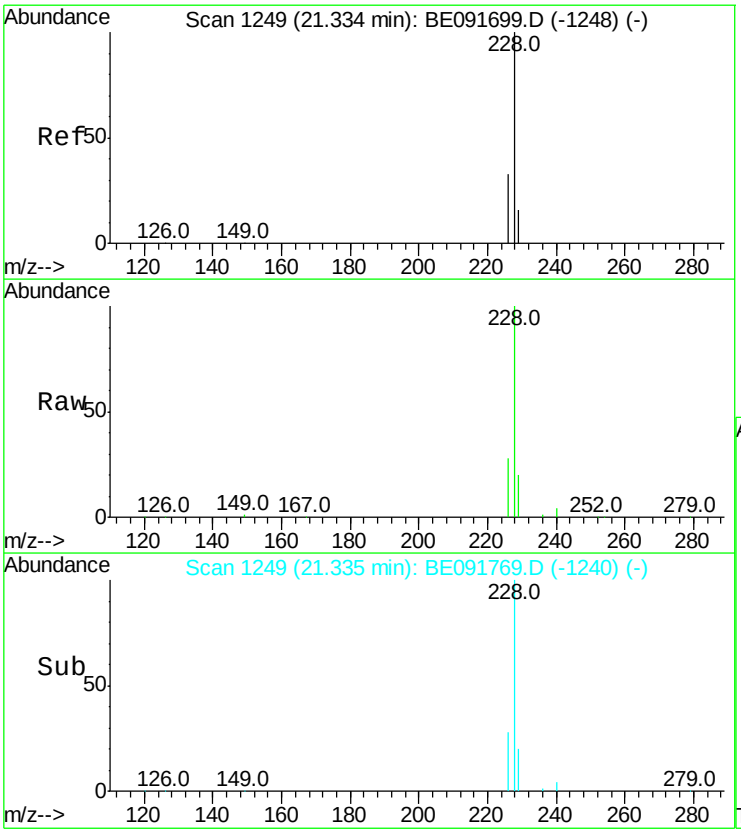
#30
Benzo(a)anthracene
Concen: 1.13 ng m
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:228 Resp: 75383

Ion	Ratio	Lower	Upper
228	100		
226	20.7	21.0	31.4#
229	24.3	15.7	23.5#

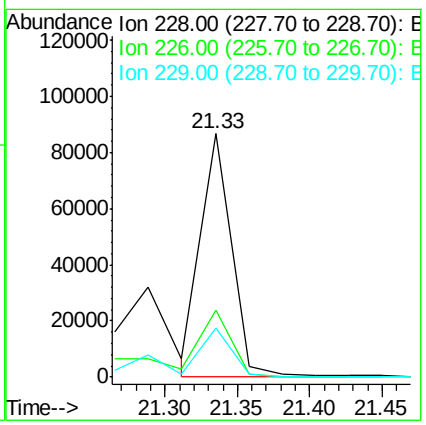


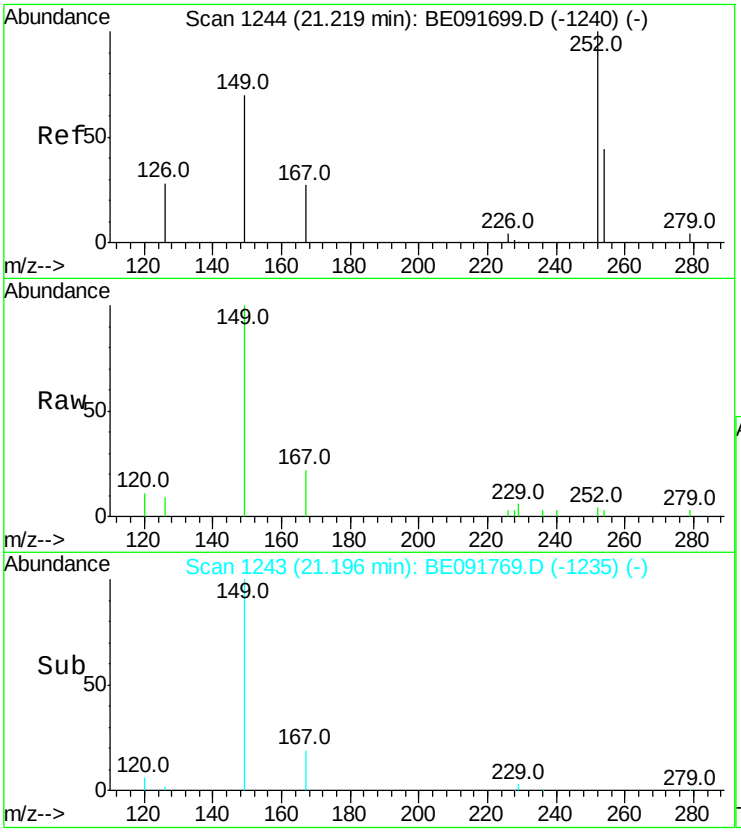


#32
Chrysene
Concen: 1.86 ng m
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:228 Resp: 128453

Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.0	36.0
229	20.3	15.9	23.9



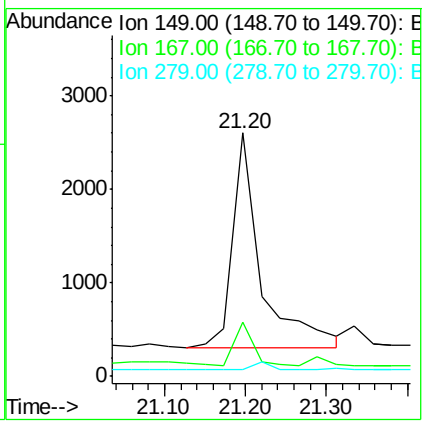


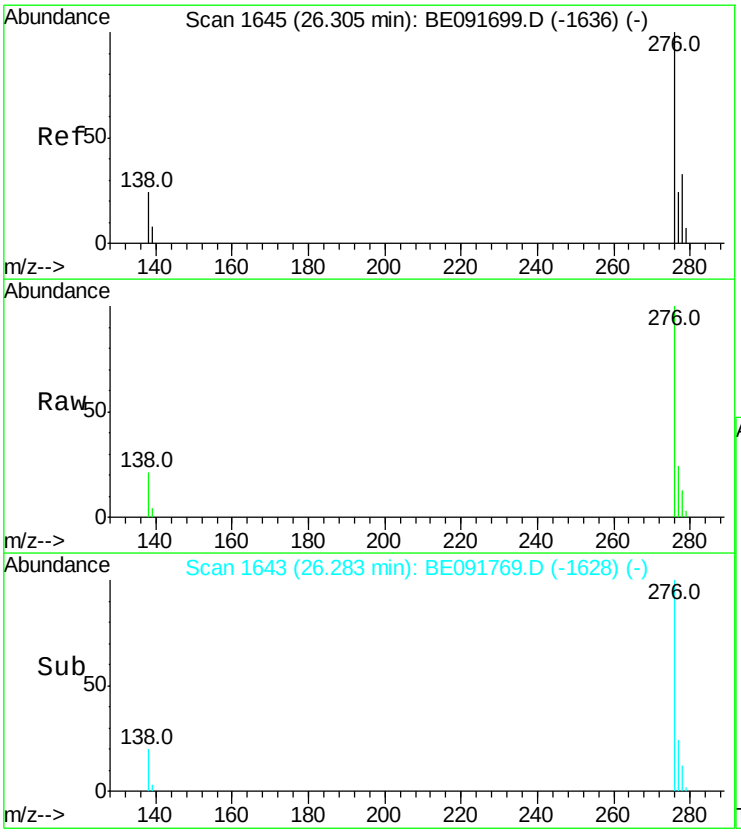
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.27 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:149 Resp: 5512

Ion	Ratio	Lower	Upper
149	100		
167	12.6	19.5	29.3#
279	0.0	10.0	15.0#

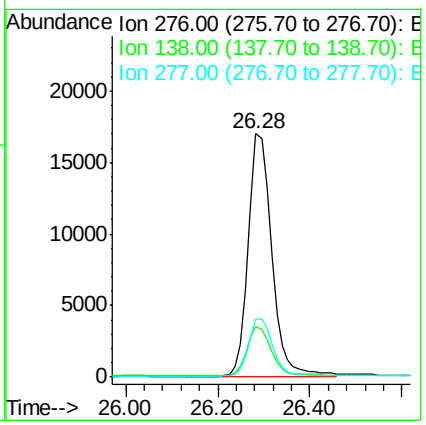


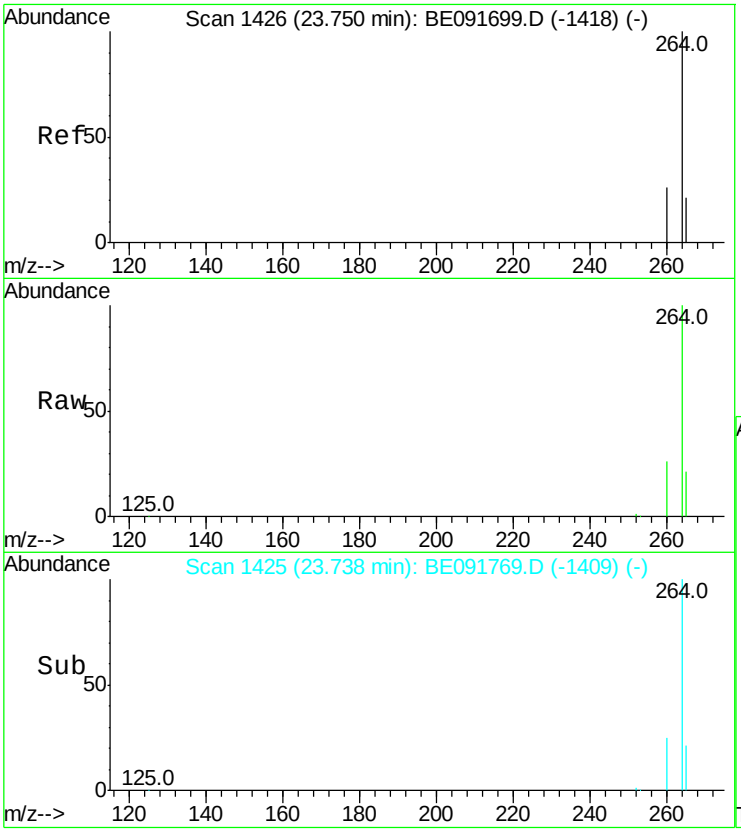


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.98 ng
RT: 26.28 min Scan# 1643
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:276 Resp: 60291

Ion	Ratio	Lower	Upper
276	100		
138	21.0	23.4	35.2#
277	24.3	19.8	29.8



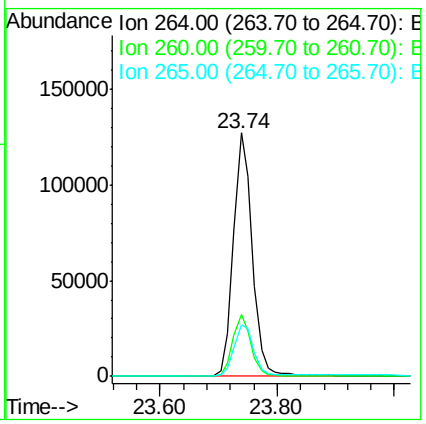


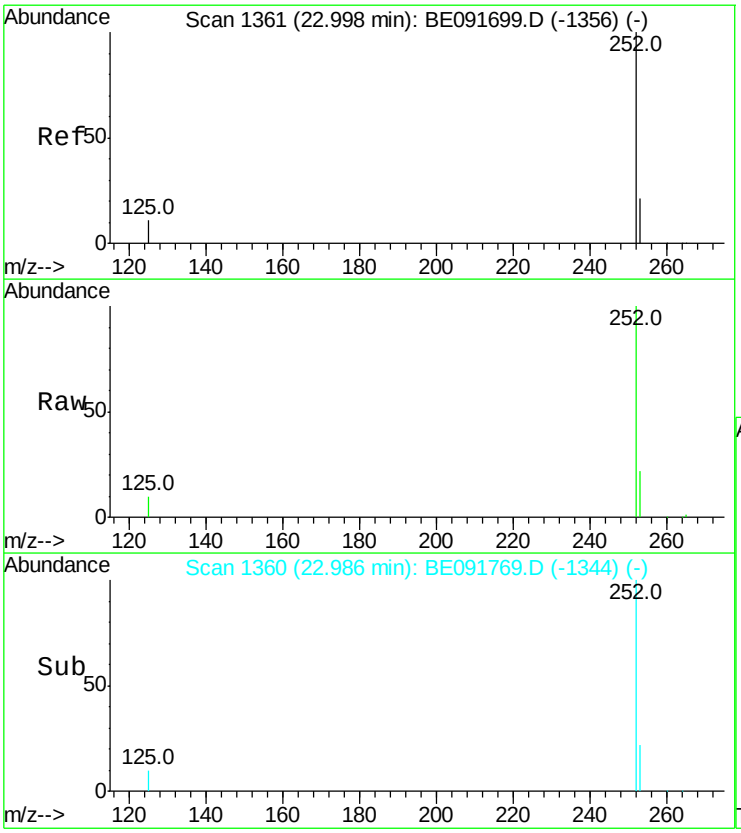
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:264 Resp: 283118

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.0	30.0
265	21.1	17.5	26.3

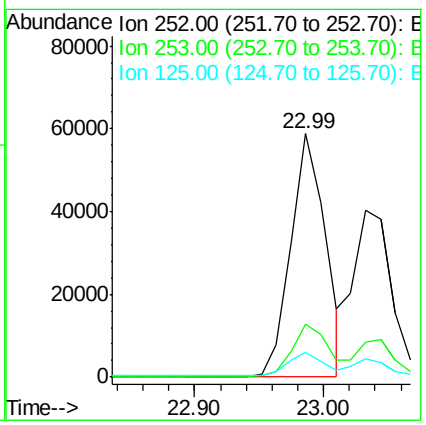


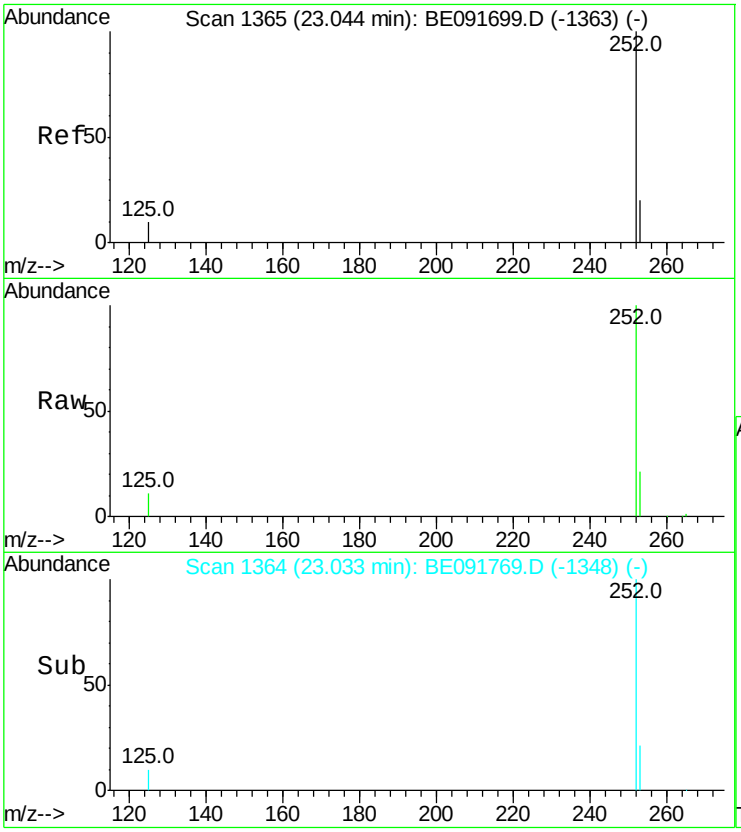


#36
Benzo(b)fluoranthene
Concen: 1.66 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:252 Resp: 109820

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.4	10.2	15.2



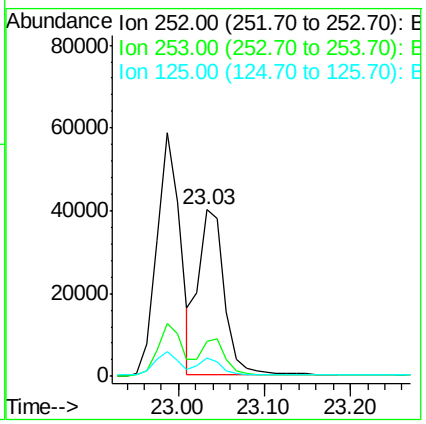


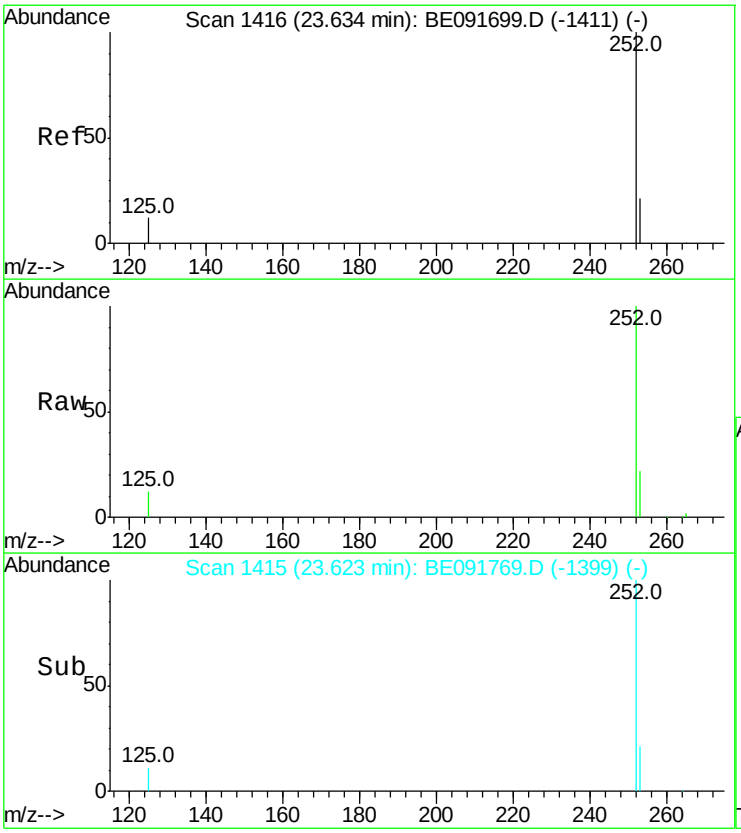
#37
Benzo(k)fluoranthene
Concen: 1.24 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:252 Resp: 83872

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	10.8	9.9	14.9

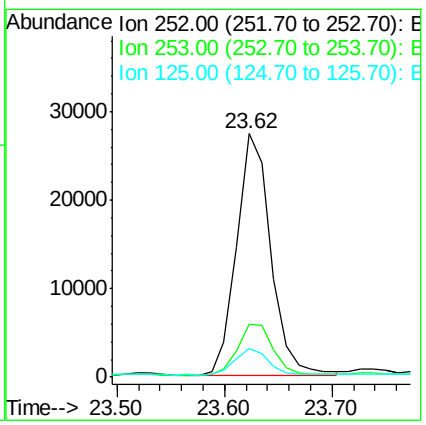


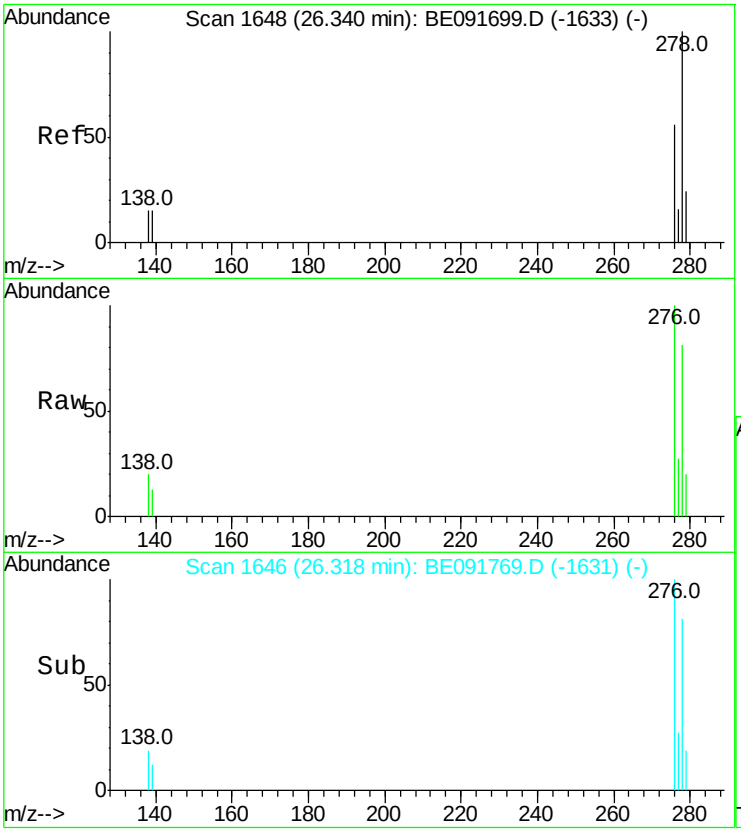


#38
Benzo(a)pyrene
Concen: 0.96 ng
RT: 23.62 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:252 Resp: 60258

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	11.9	11.0	16.4



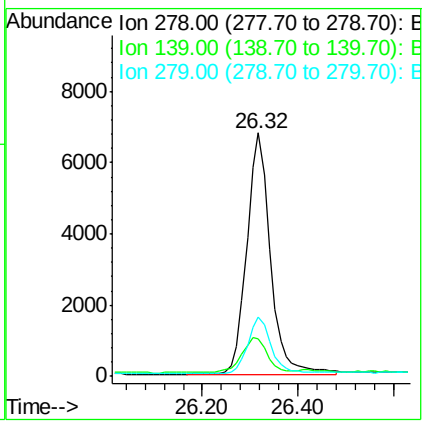


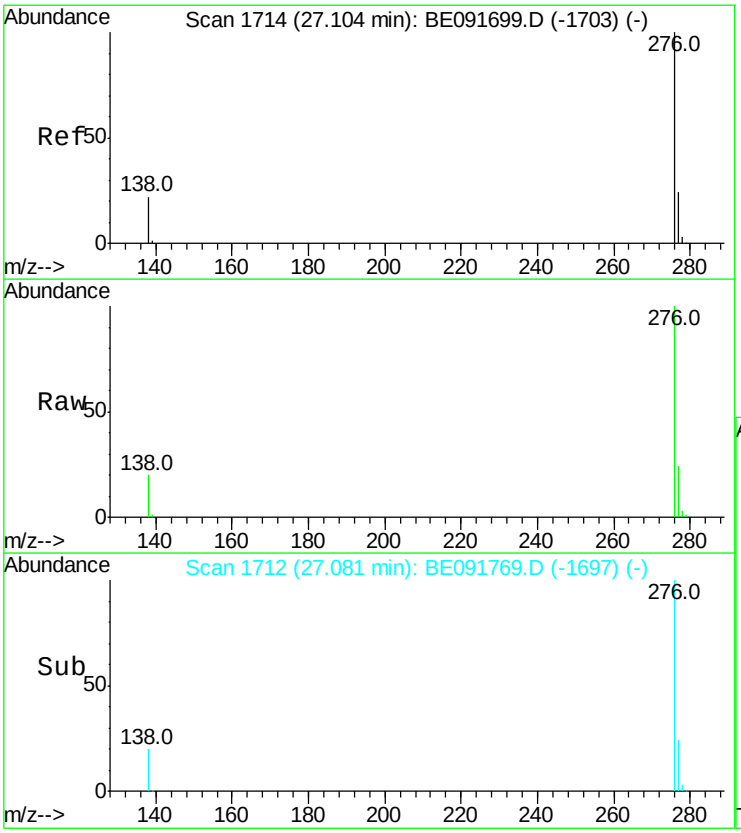
#39
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:278 Resp: 23169

Ion	Ratio	Lower	Upper
278	100		
139	15.7	16.0	24.0#
279	24.2	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 1.18 ng
RT: 27.08 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:276 Resp: 71097

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	20.3	20.4	30.6#