Quantitation Report (Not 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 01:19:58 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
22) Pentachlorophenol	16.81	266	100	0.11	ng	#	82
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
27) Benzidine	19.42	184	294	0.18	ng	#	6
28) Pyrene	19.55	202	41417	0.67	ng		96
30) Benzo(a)anthracene	21.33	228	202572	3.04	ng		98
31) 3,3'-Dichlorobenzidine	21.10	252	1125	0.03	ng	#	70
32) Chrysene	21.33	228	203572	2.94	ng		97
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 (Not Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
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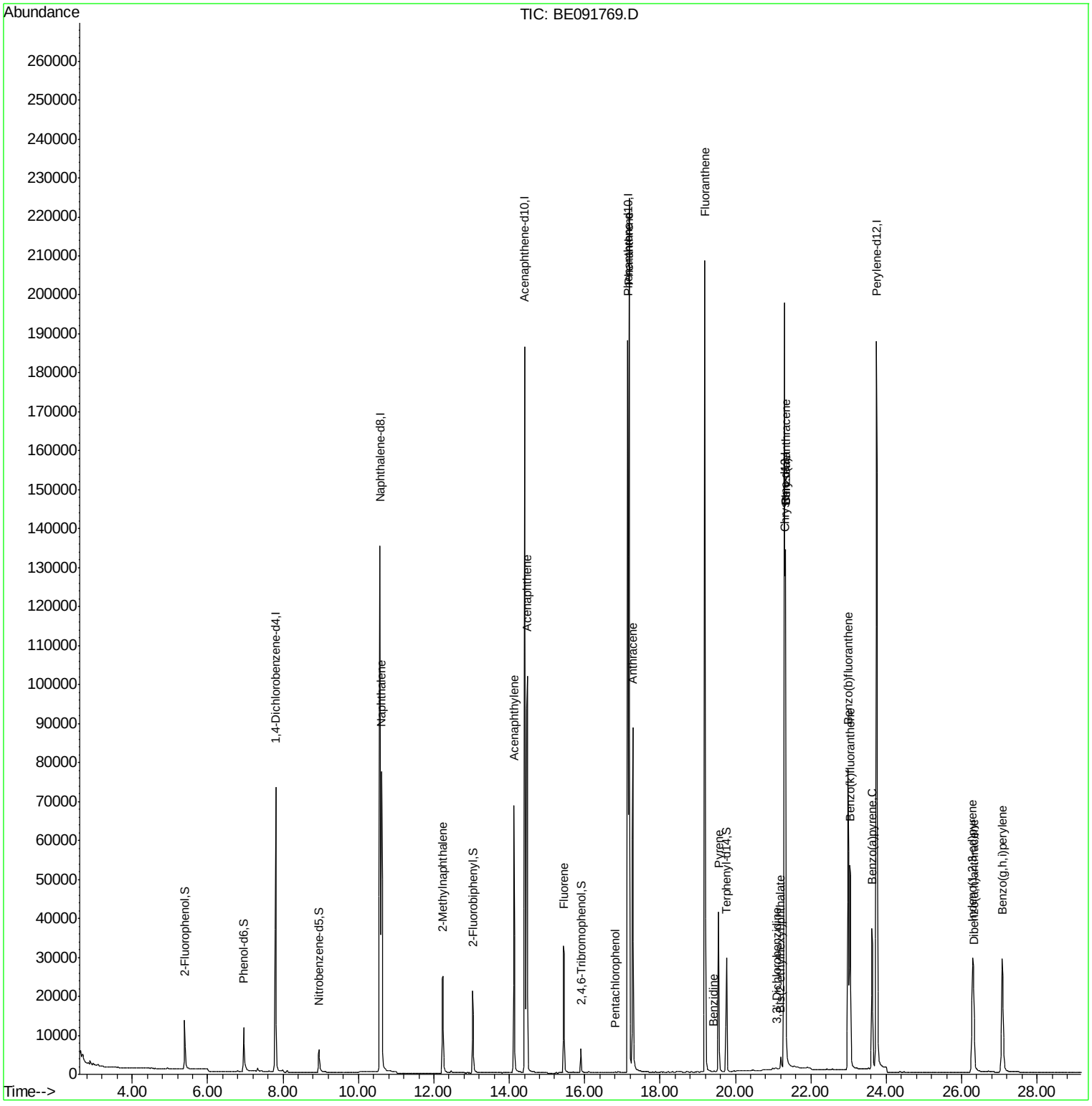
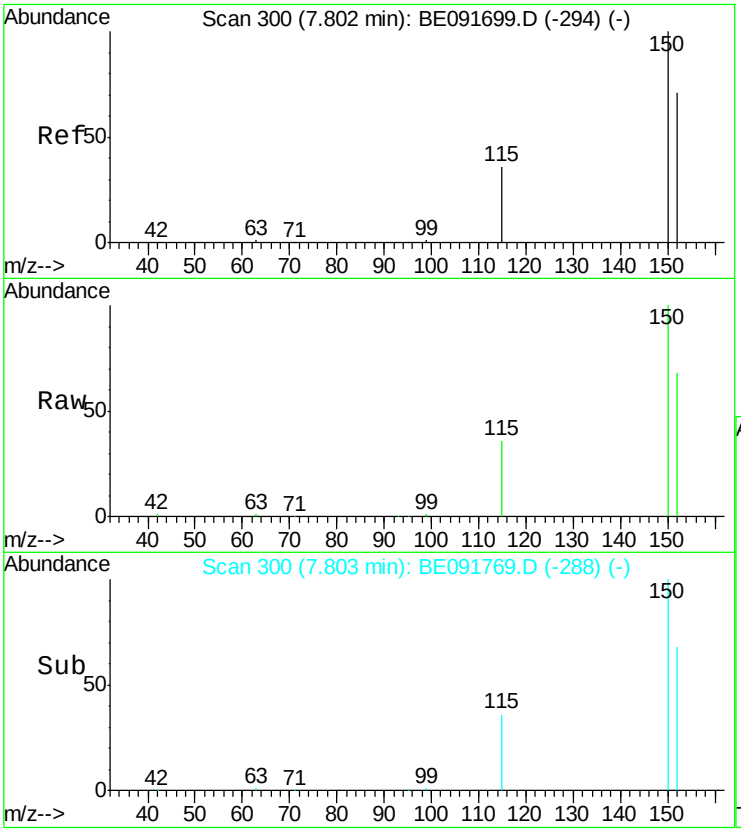


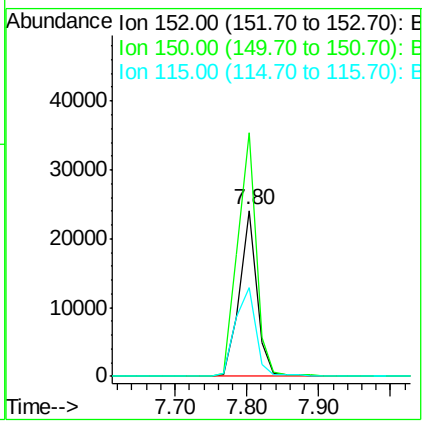


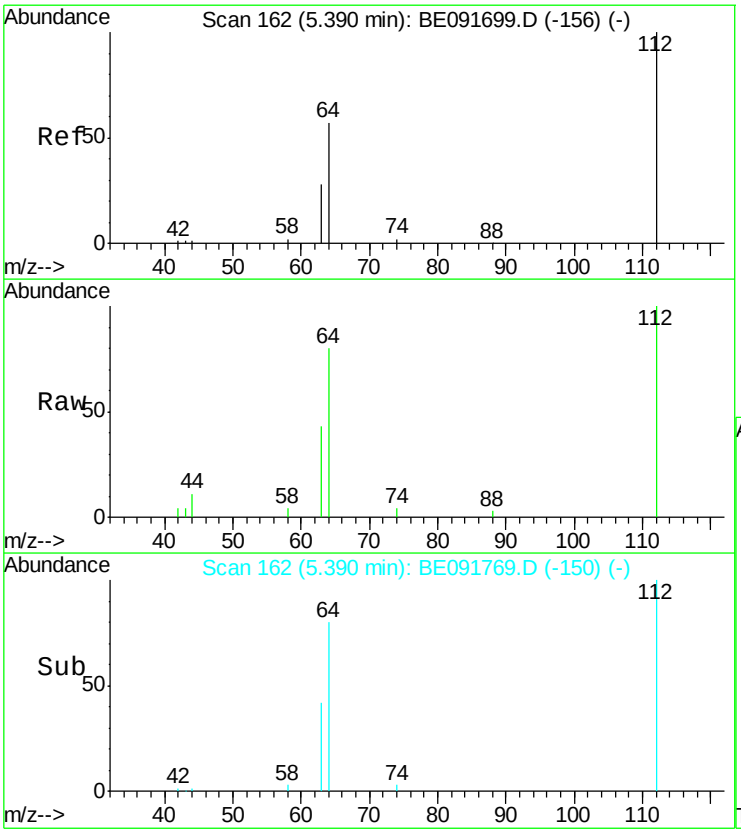
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

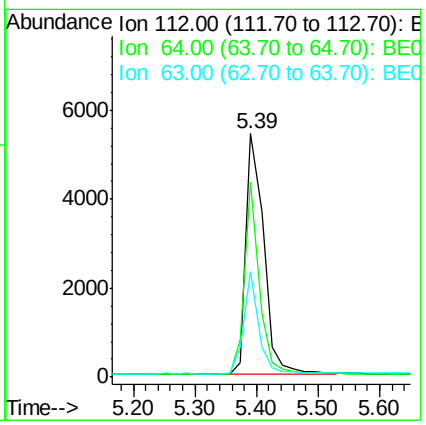


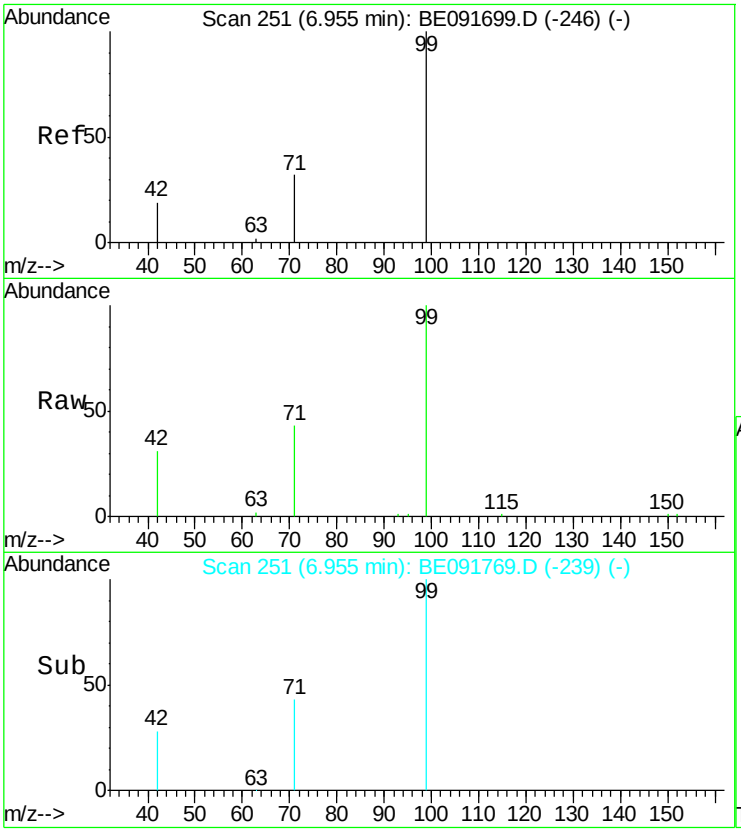


#4
2-Fluorophenol
Concen: 1.11 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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#



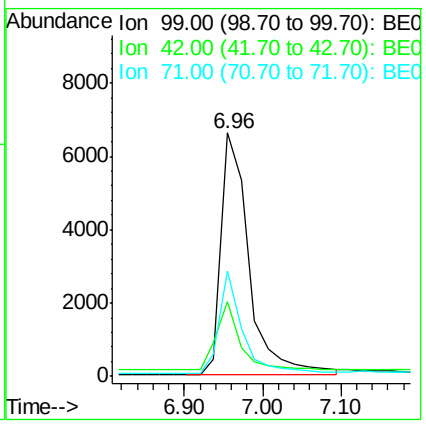


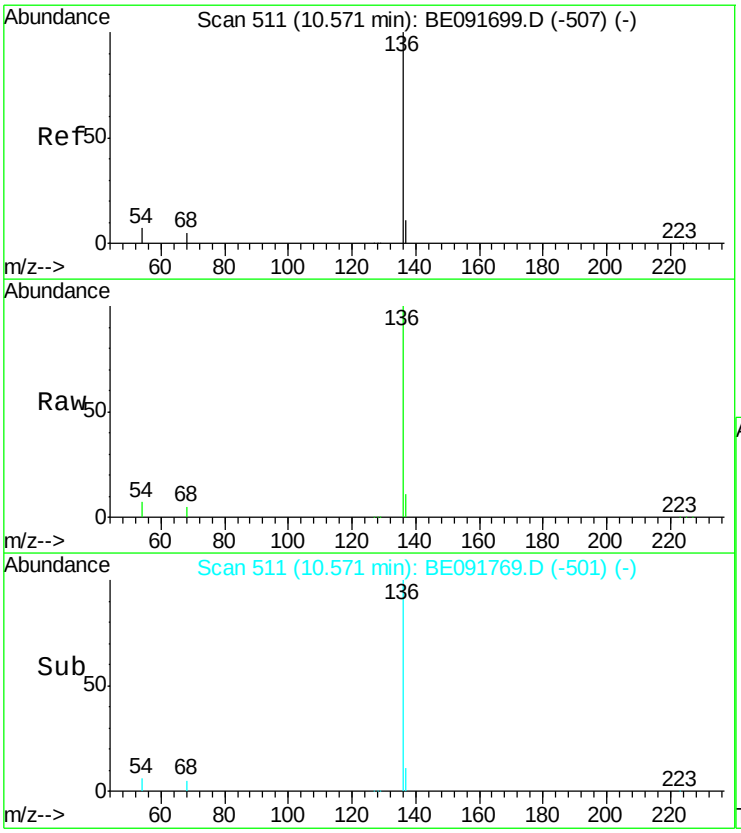
#5
Phenol-d6
Concen: 1.25 ng
RT: 6.96 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

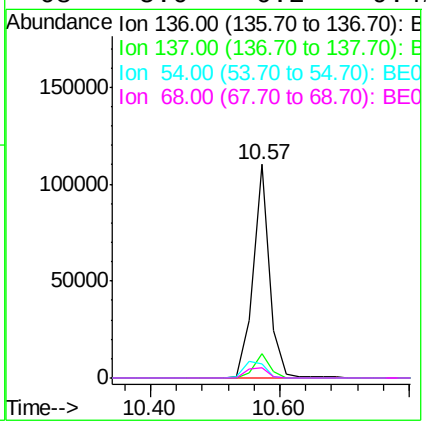


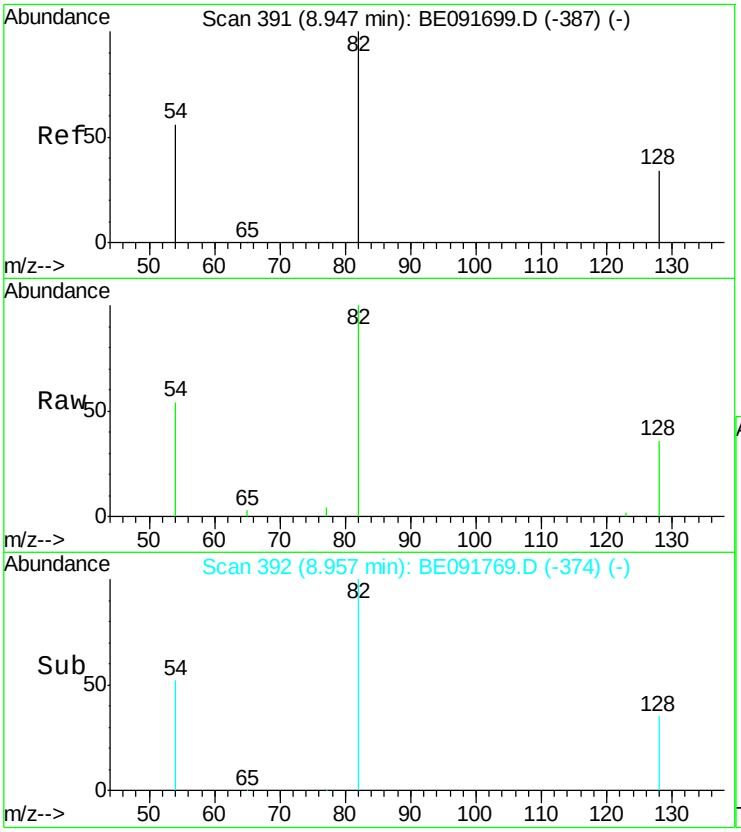


#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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#



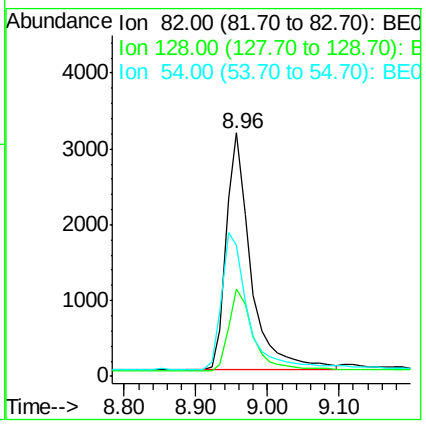


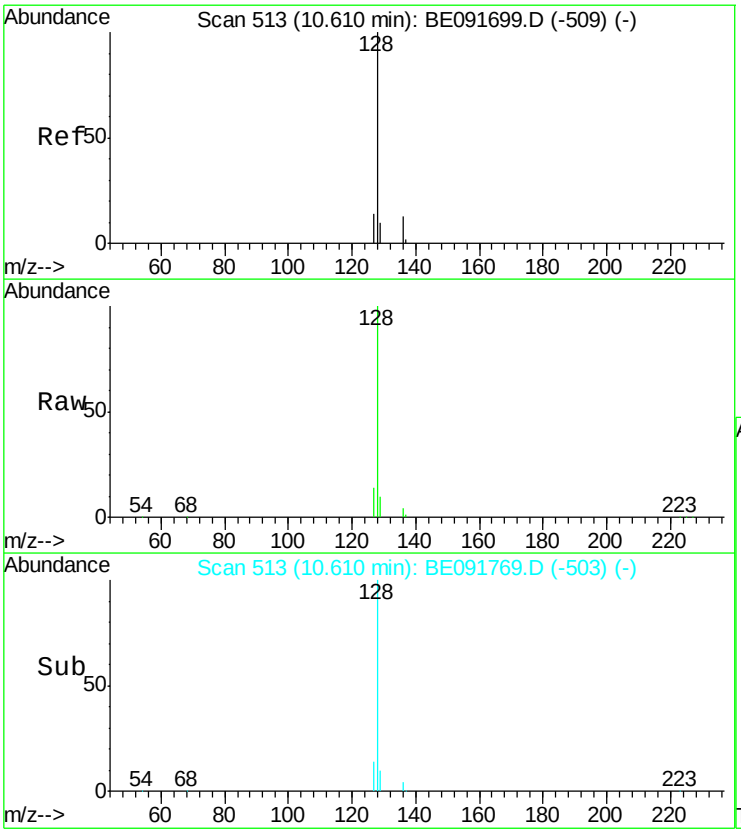
#8
Nitrobenzene-d5
Concen: 0.60 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

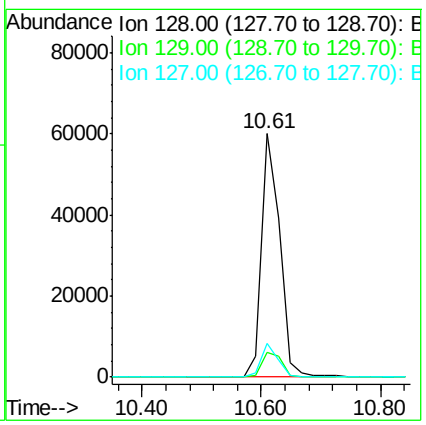


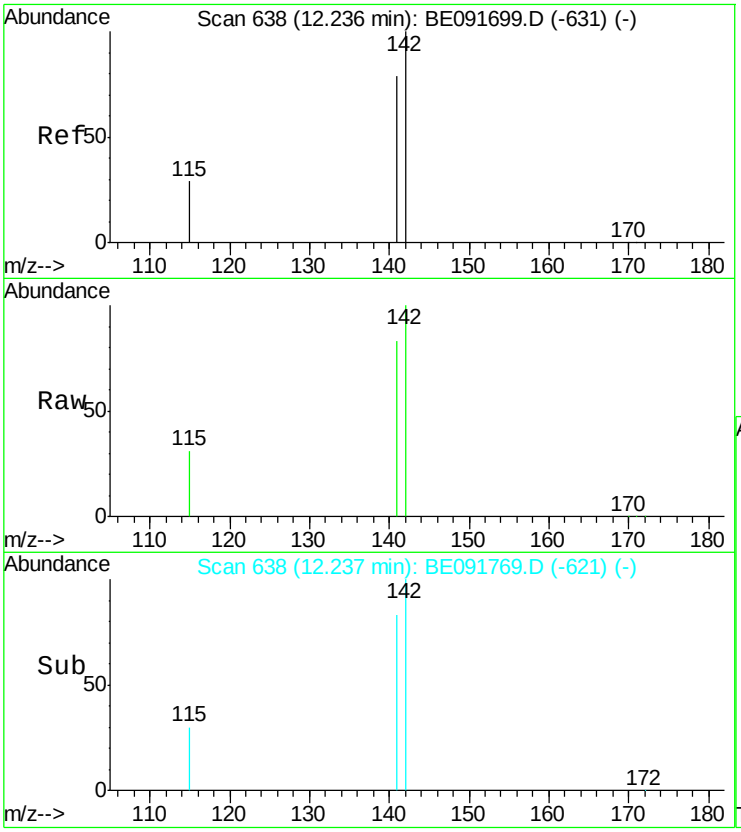


#10
Naphthalene
Concen: 3.22 ng
RT: 10.61 min Scan# 513
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



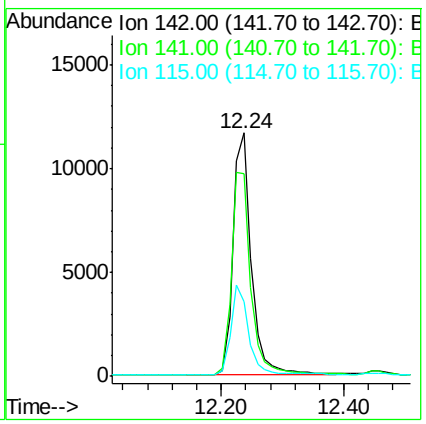


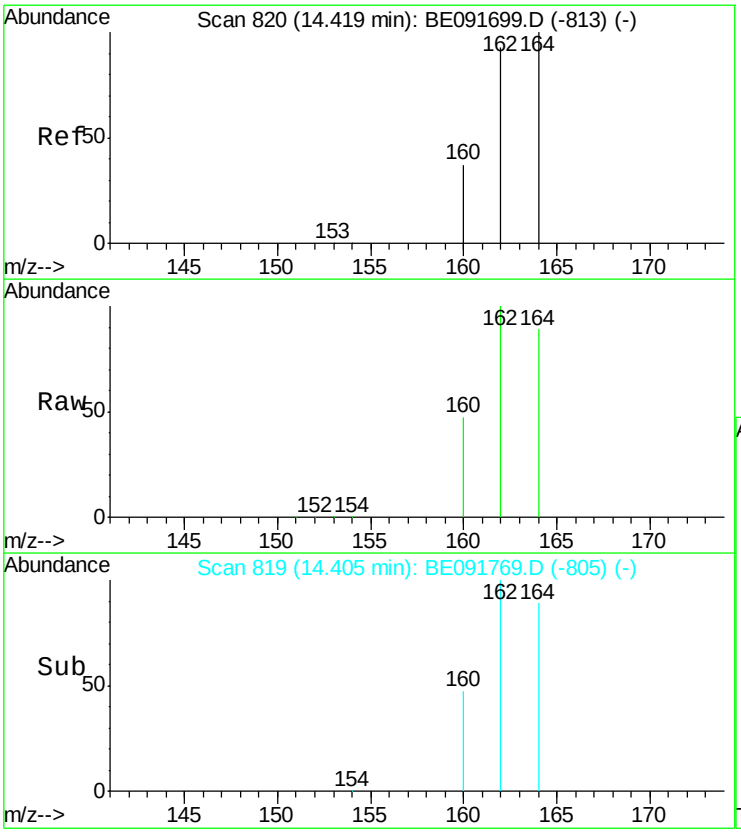
#12
2-Methylnaphthalene
Concen: 0.97 ng
RT: 12.24 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

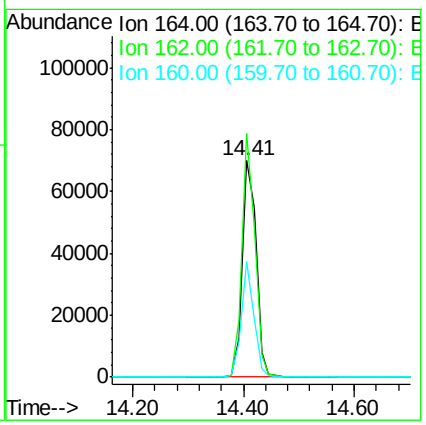


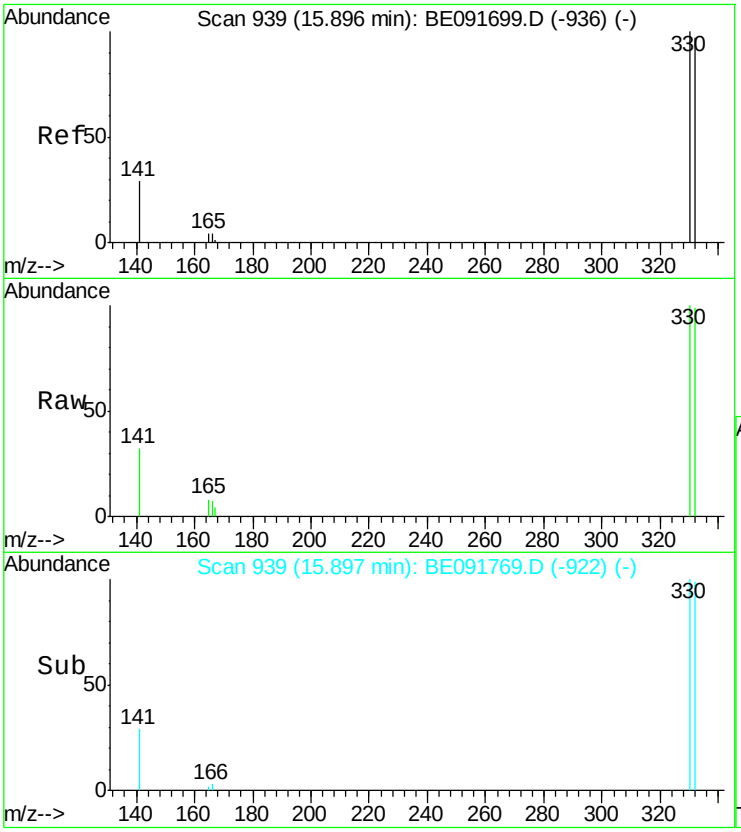


#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



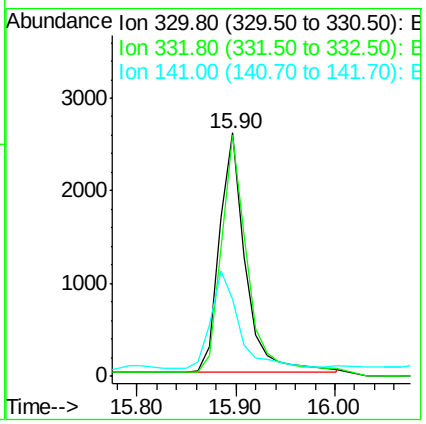


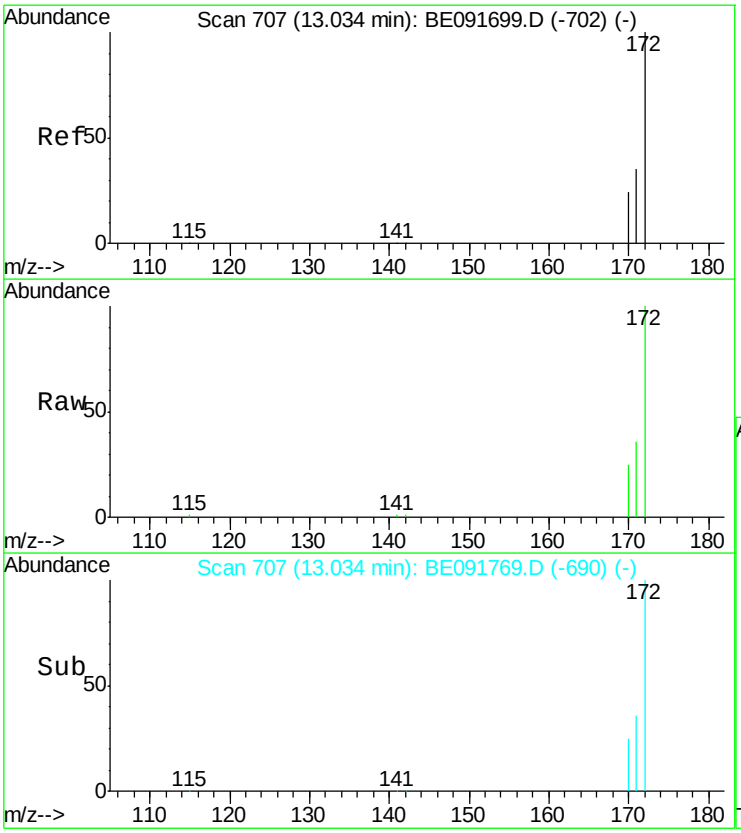
#14
2,4,6-Tribromophenol
Concen: 1.19 ng
RT: 15.90 min Scan# 939
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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#

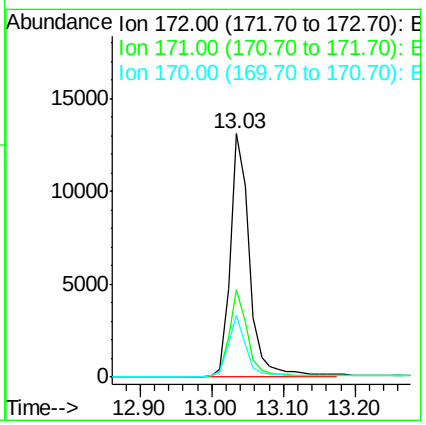


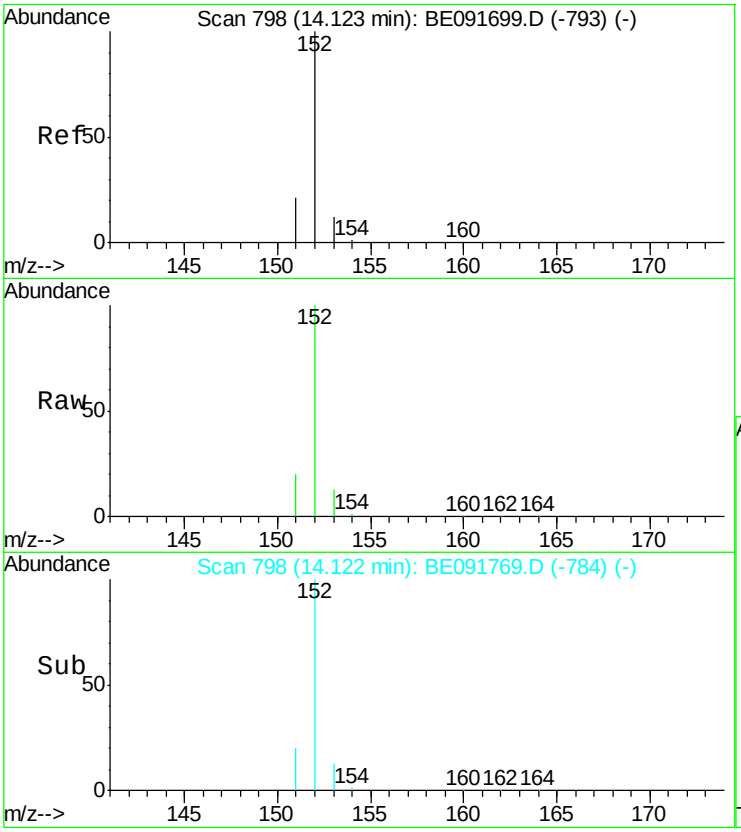


#15
2-Fluorobiphenyl
Concen: 0.71 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



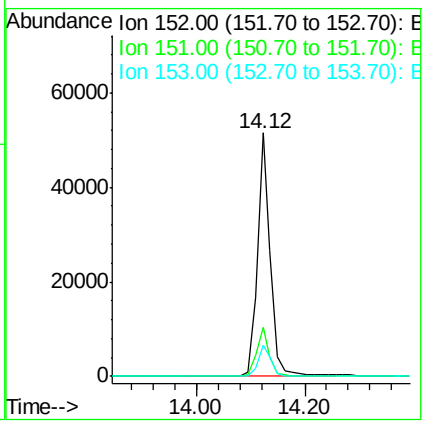


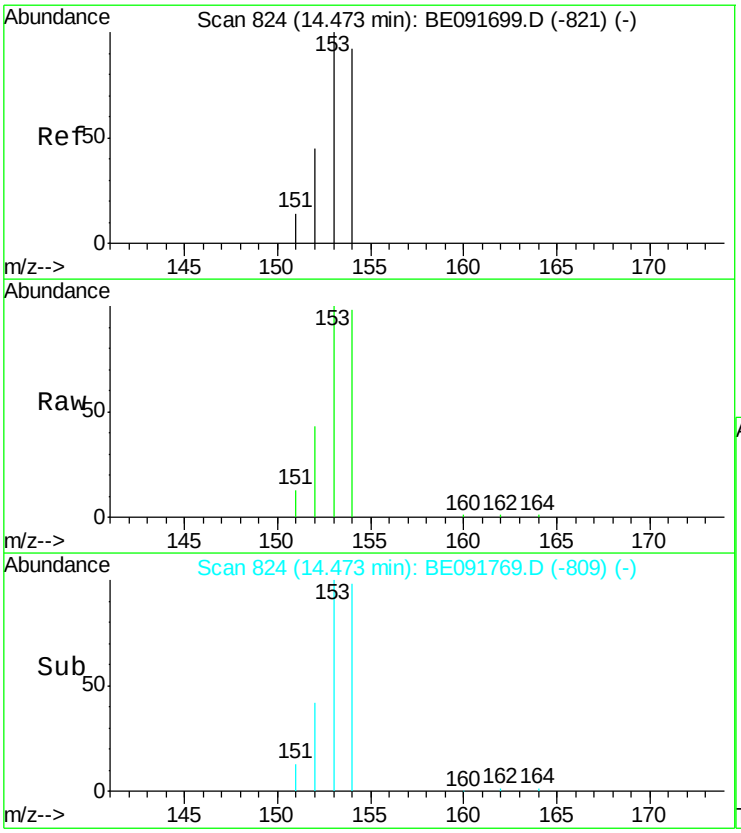
#16
Acenaphthylene
Concen: 1.97 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

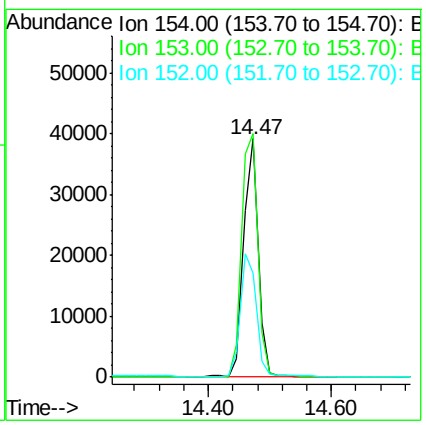


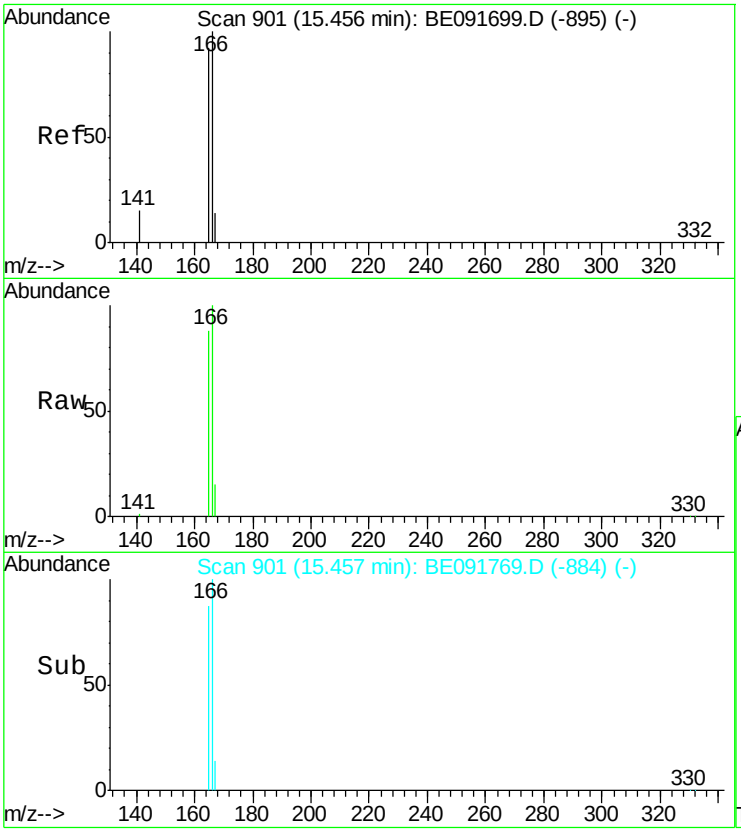


#17
Acenaphthene
Concen: 2.18 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



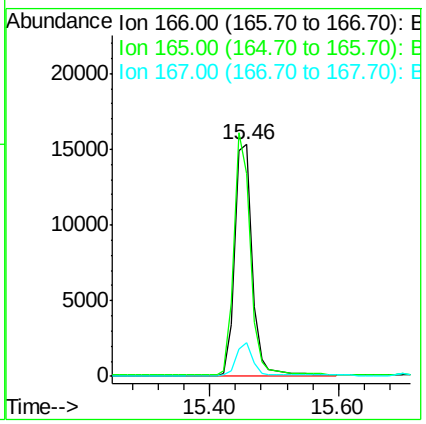


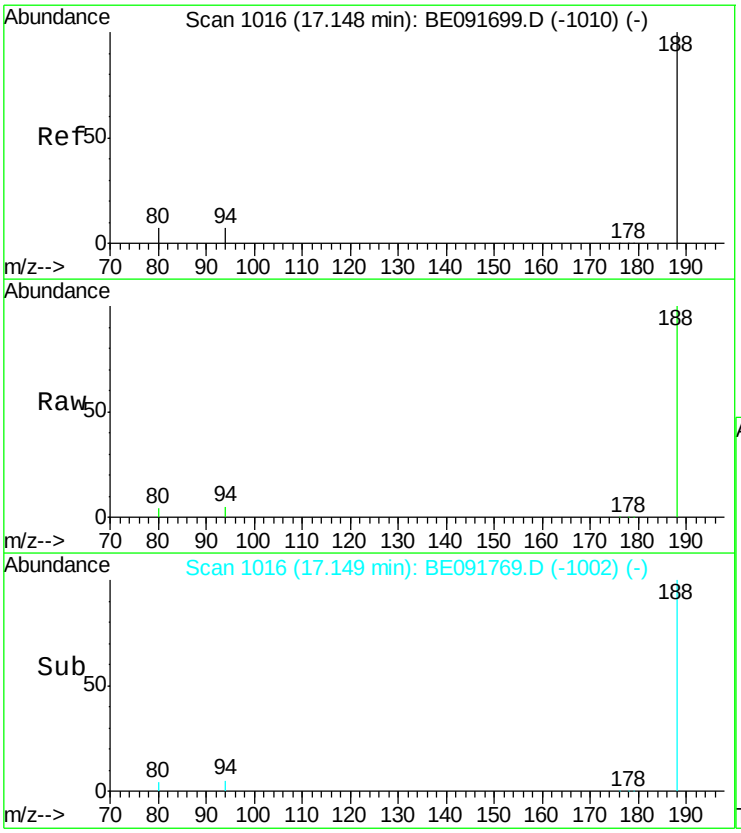
#18
Fluorene
Concen: 0.77 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

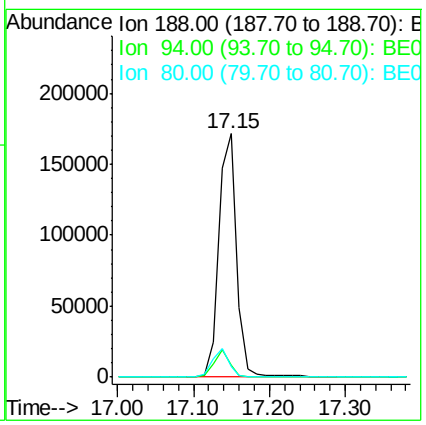


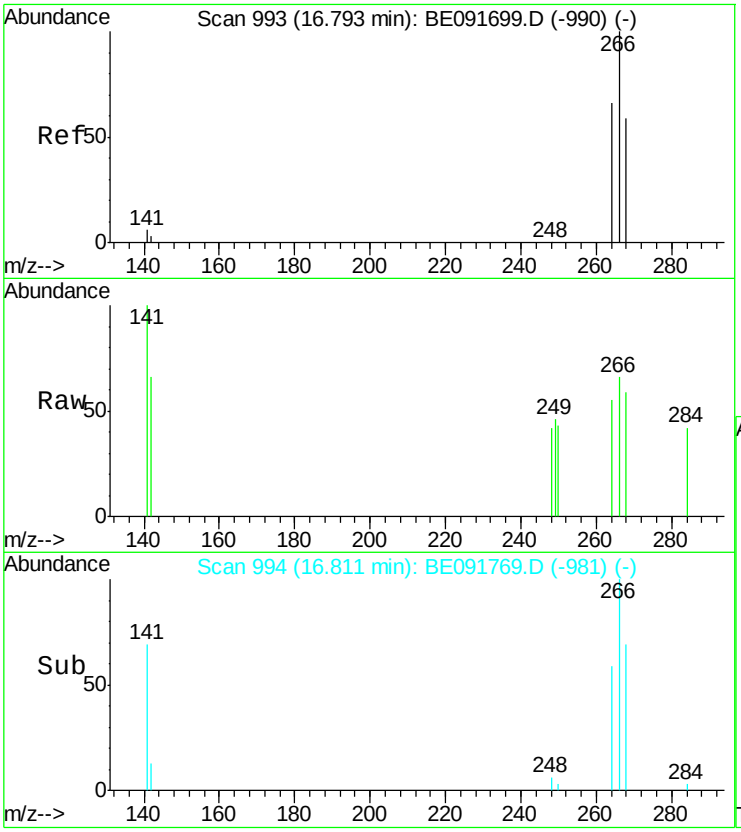


#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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#



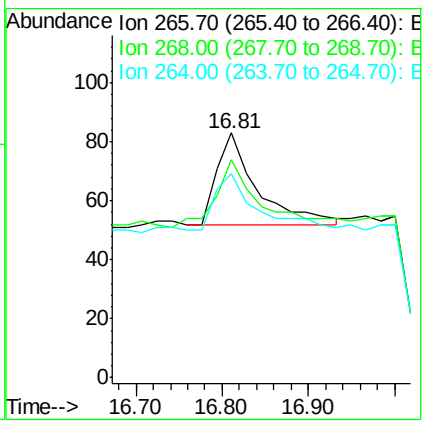


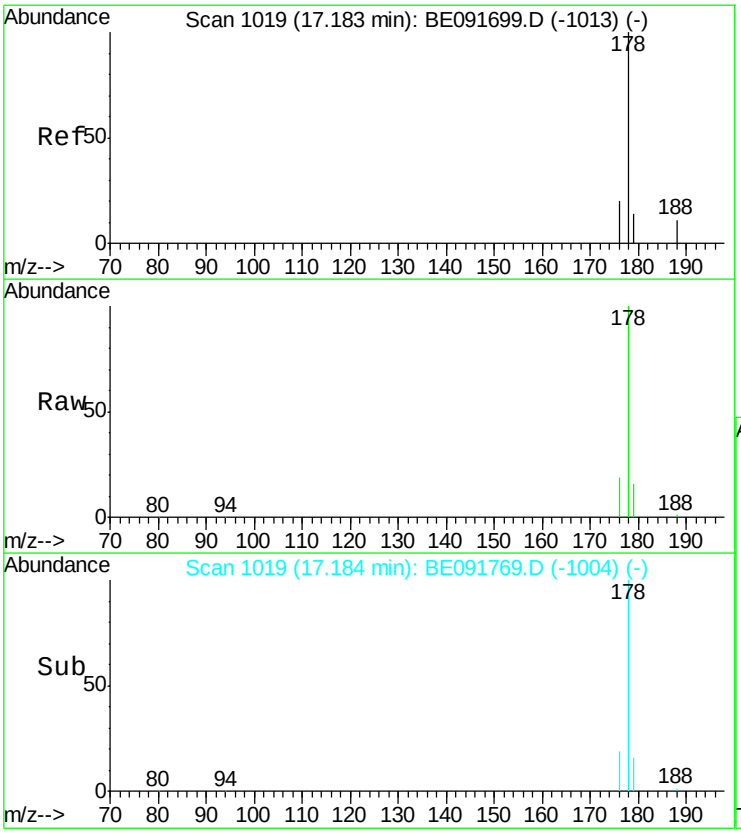
#22
Pentachlorophenol
Concen: 0.11 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:266 Resp: 100

Ion	Ratio	Lower	Upper
266	100		
268	89.2	58.2	87.2#
264	83.1	56.2	84.4

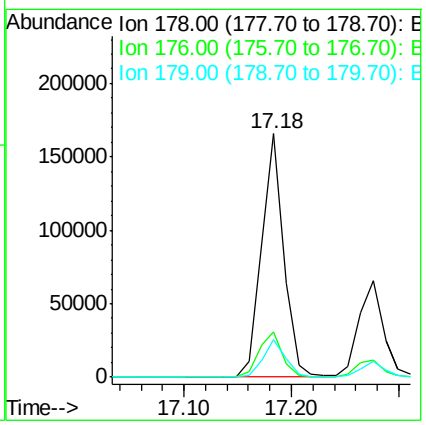


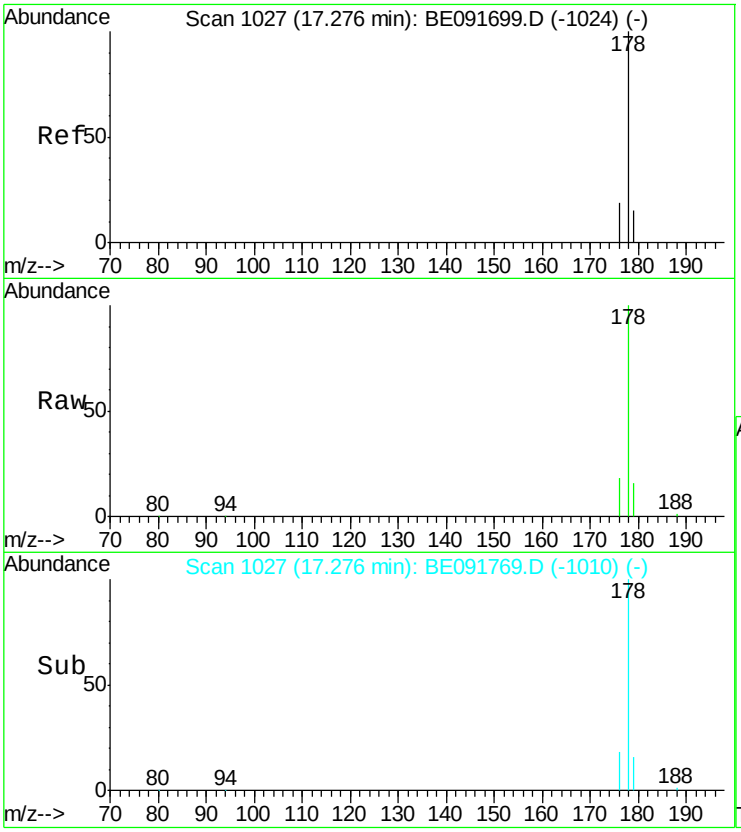


#23
Phenanthrene
Concen: 3.73 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



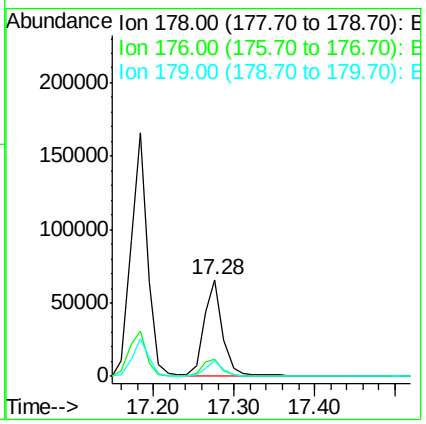


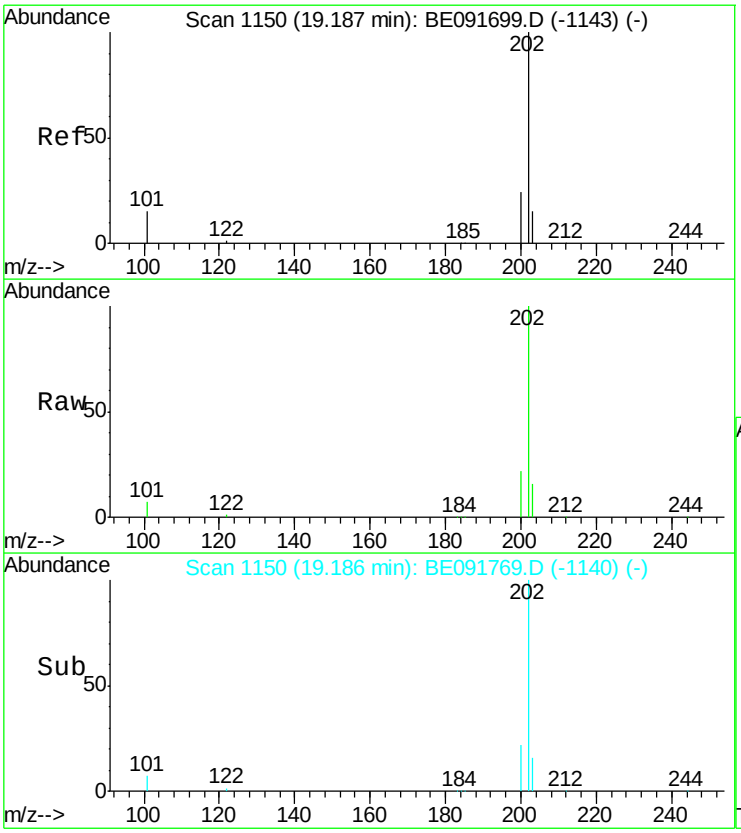
#24
Anthracene
Concen: 1.82 ng
RT: 17.28 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

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

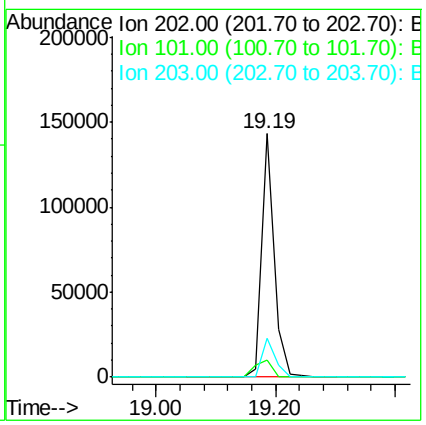


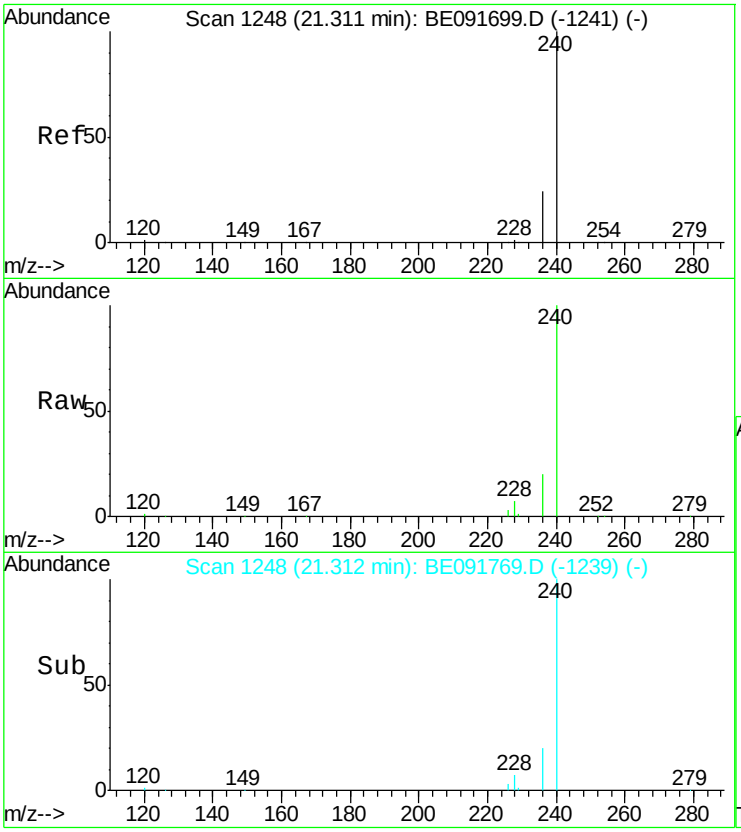


#25
Fluoranthene
Concen: 3.08 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



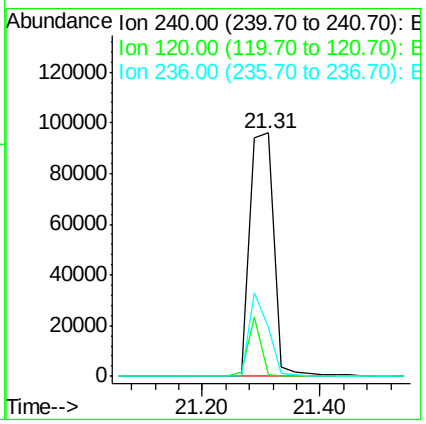


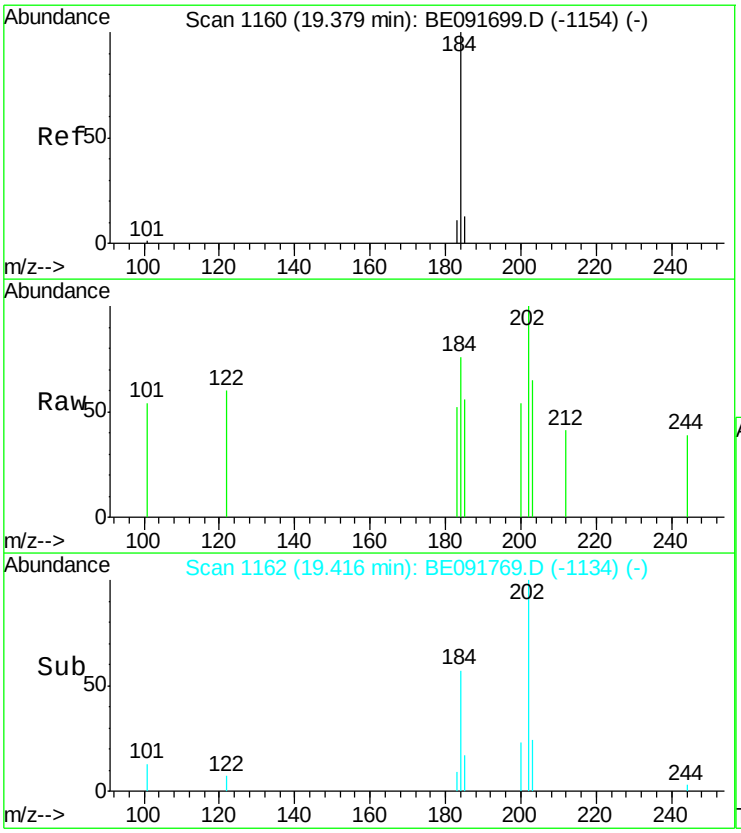
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

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#

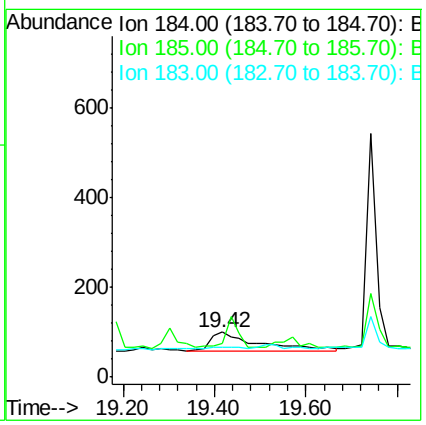


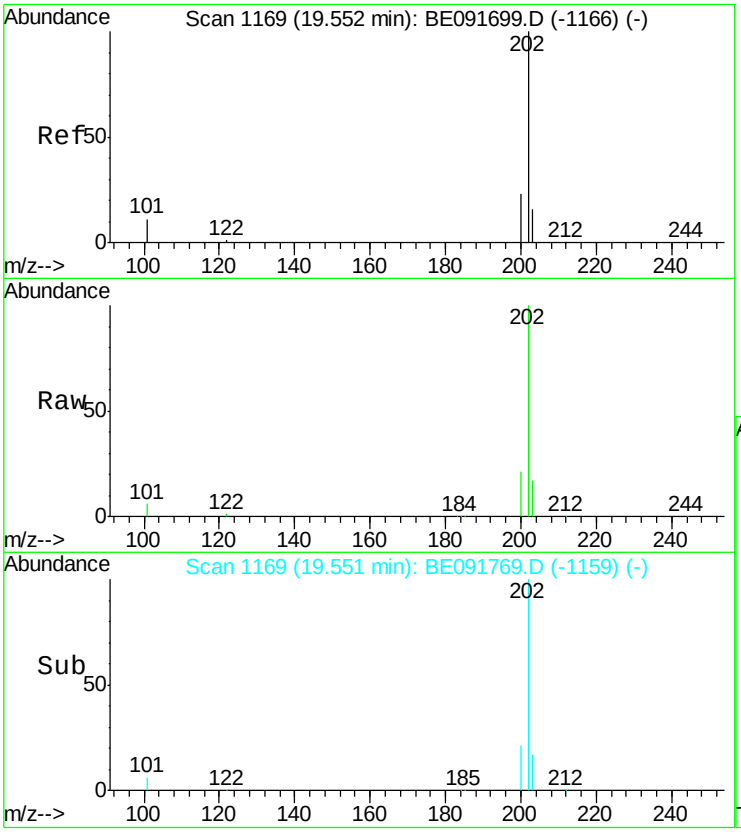


#27
Benzidine
Concen: 0.18 ng
RT: 19.42 min Scan# 1162
Delta R.T. 0.04 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:184 Resp: 294

Ion	Ratio	Lower	Upper
184	100		
185	74.0	22.3	33.5#
183	68.0	16.4	24.6#



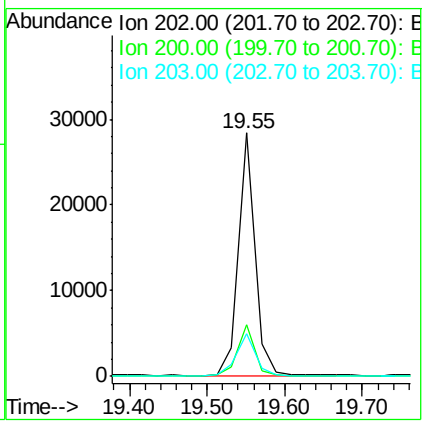


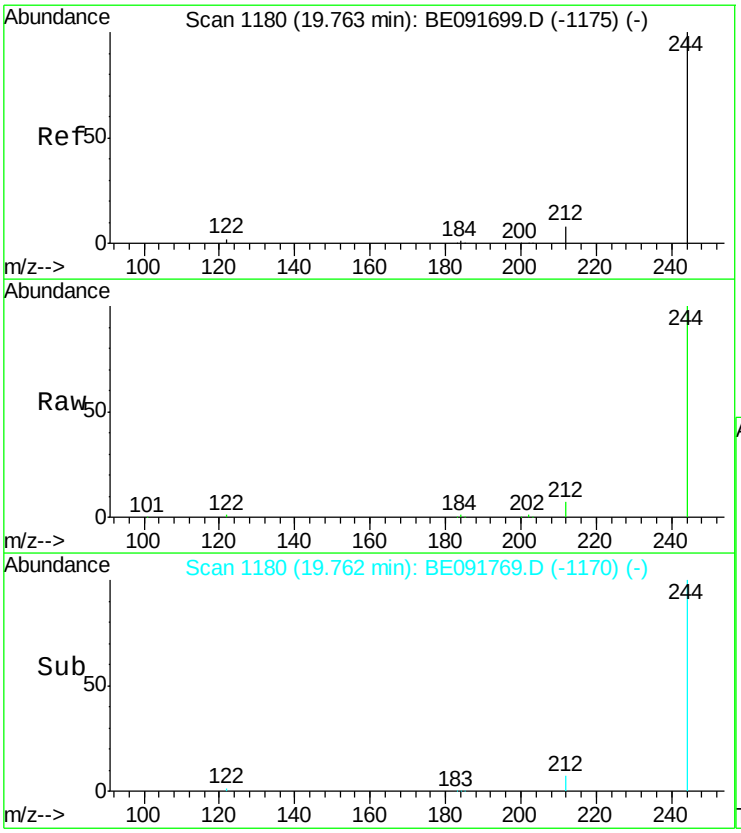
#28
Pyrene
Concen: 0.67 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

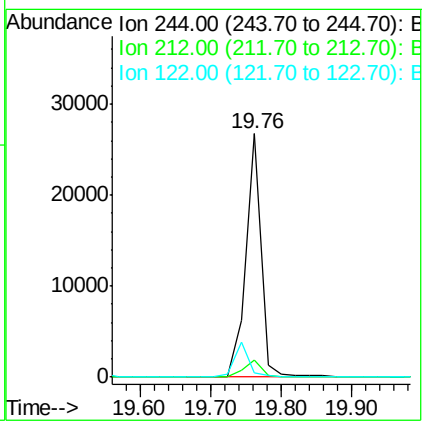


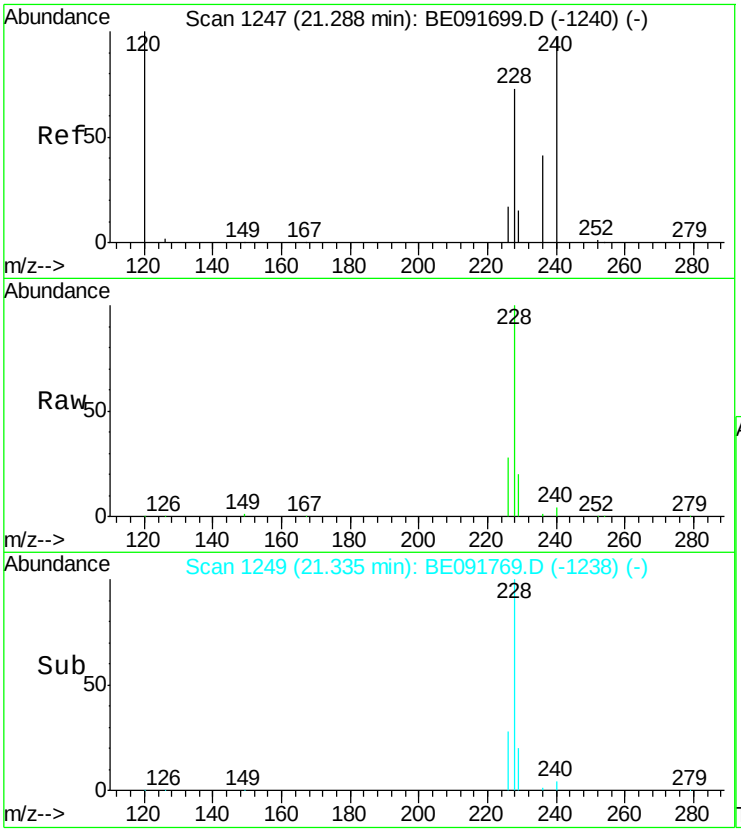


#29
Terphenyl-d14
Concen: 0.95 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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#



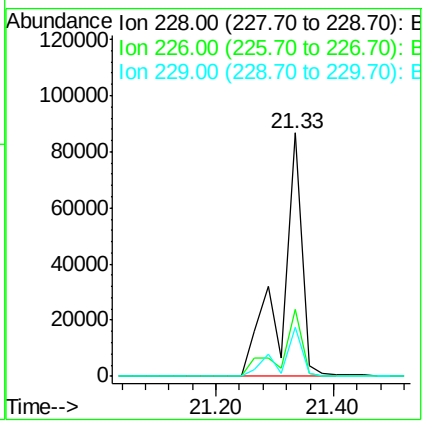


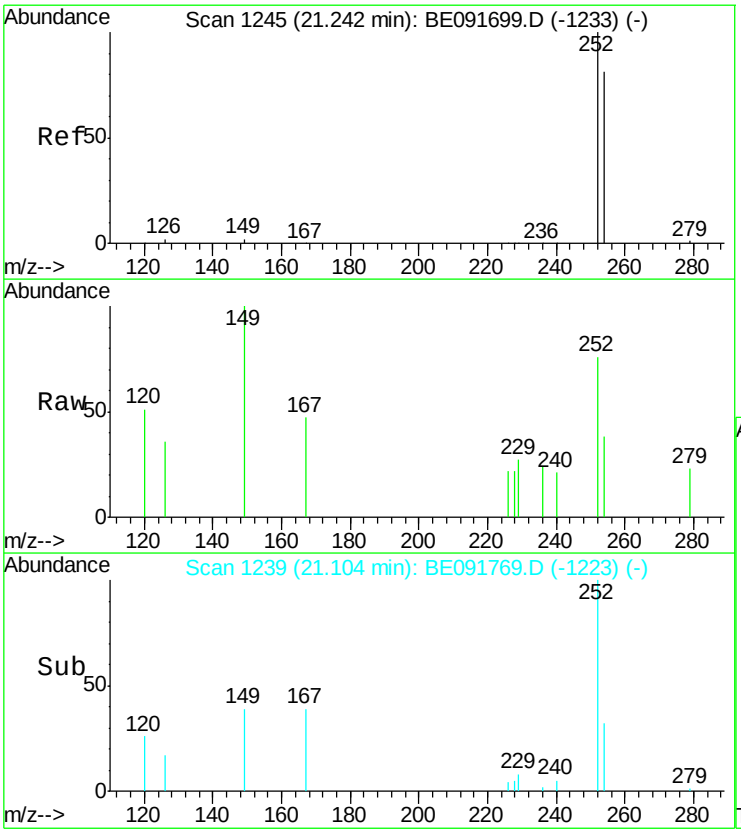
#30
Benzo(a)anthracene
Concen: 3.04 ng
RT: 21.33 min Scan# 1249
Delta R.T. 0.05 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:228 Resp: 202572

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.0	31.4
229	20.3	15.7	23.5

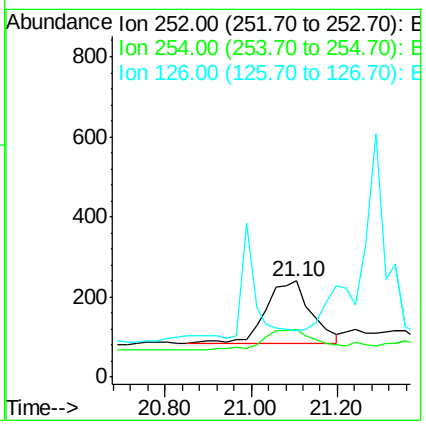


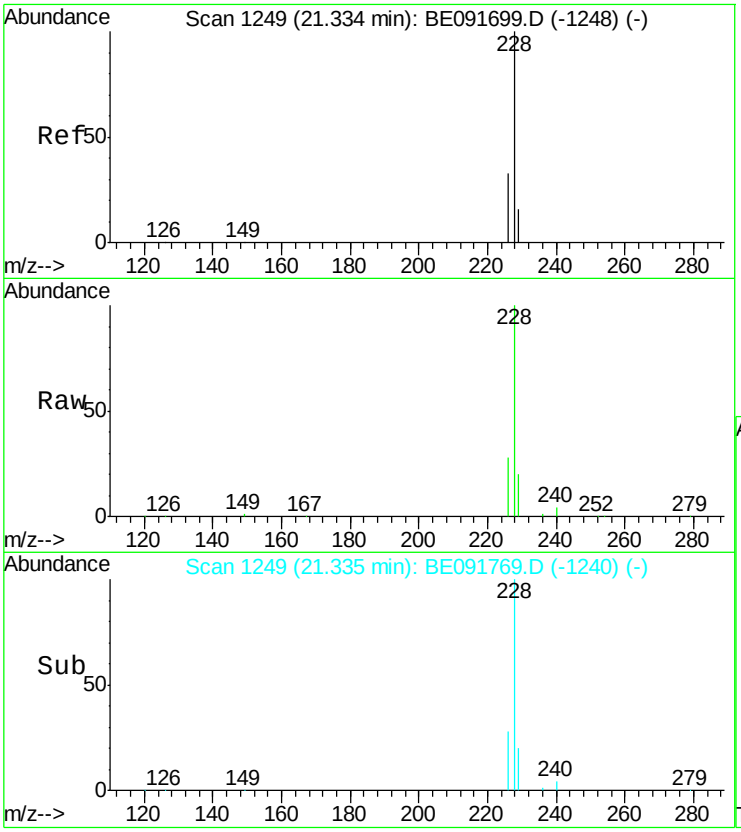


#31
3,3'-Dichlorobenzidine
Concen: 0.03 ng
RT: 21.10 min Scan# 1239
Delta R.T. -0.14 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Tgt Ion:252 Resp: 1125

Ion	Ratio	Lower	Upper
252	100		
254	49.6	51.1	76.7#
126	47.9	12.6	18.8#



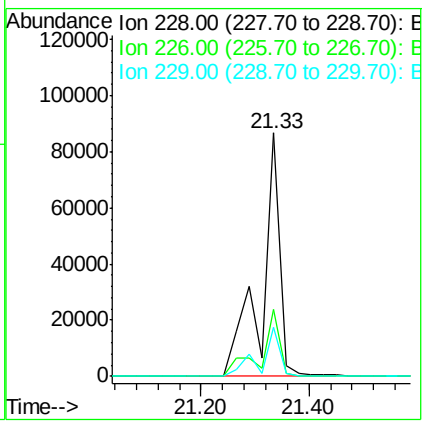


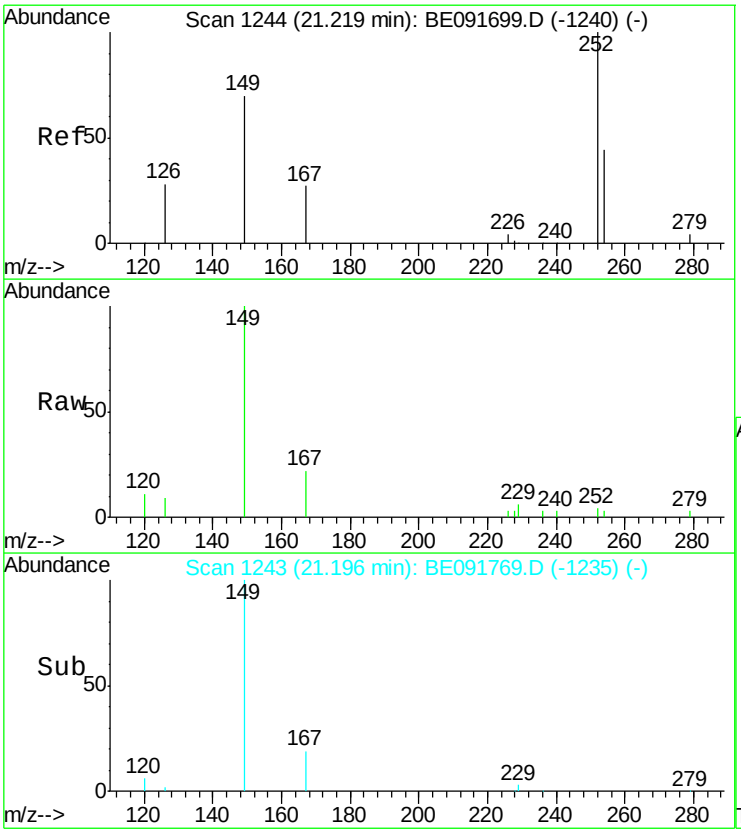
#32
Chrysene
Concen: 2.94 ng
RT: 21.33 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tgt Ion:228 Resp: 203572

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

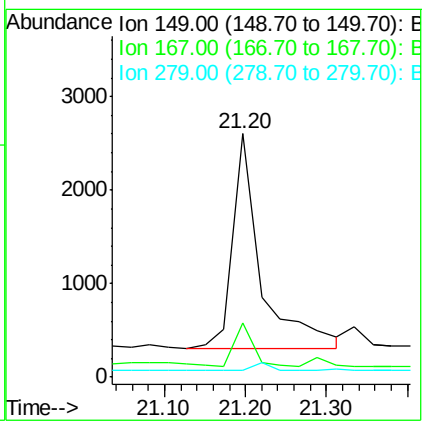


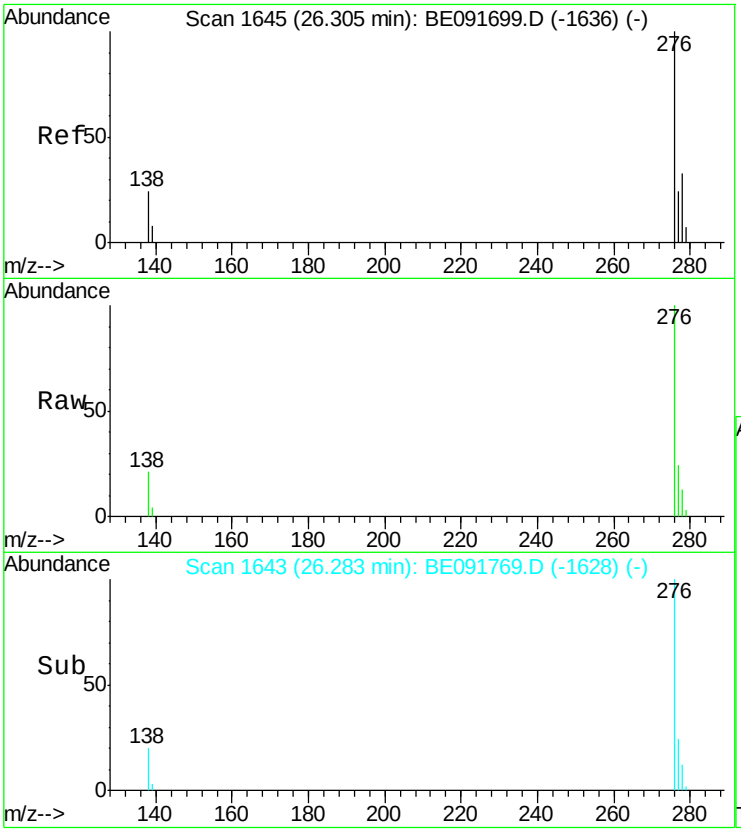


#33
Bis(2-ethylhexyl)phthalate
Concen: 0.27 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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#



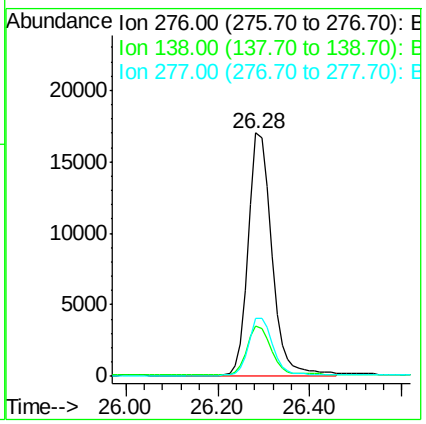


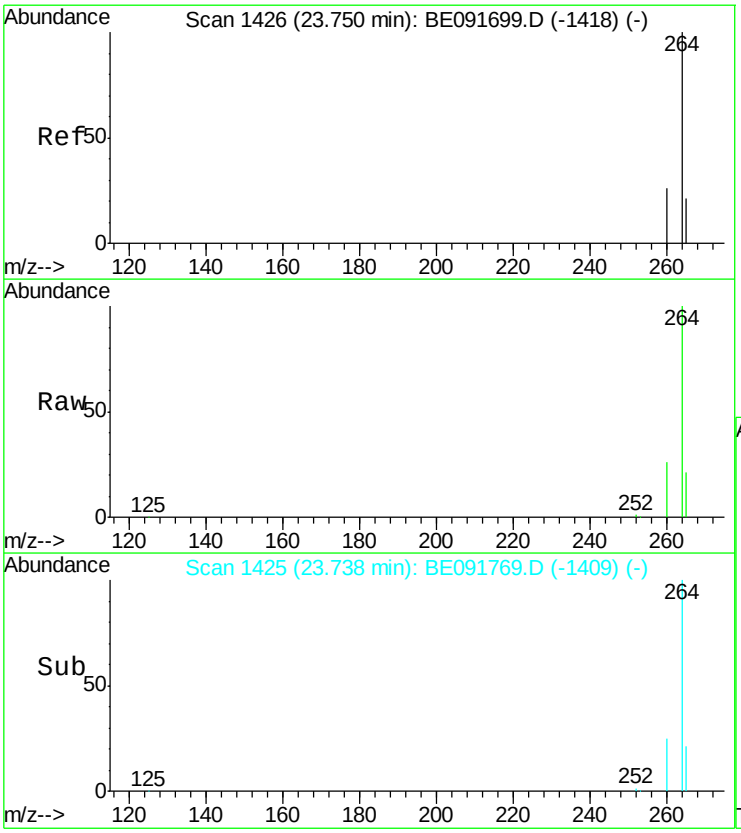
#34
Indeno(1,2,3-cd)pyrene
Concen: 0.98 ng
RT: 26.28 min Scan# 1643
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

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

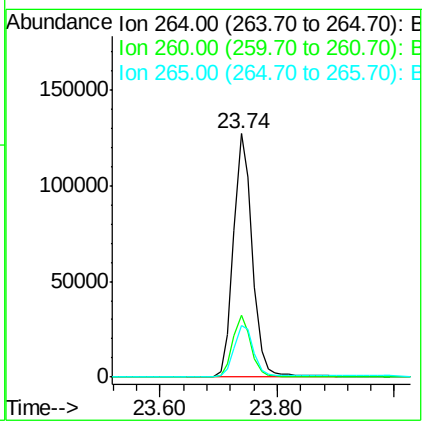


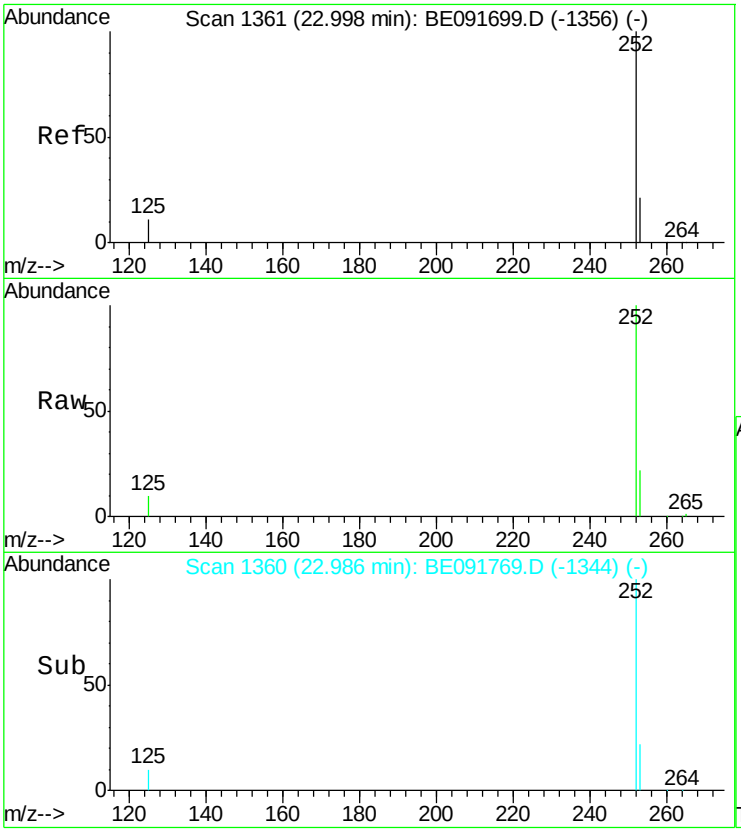


#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



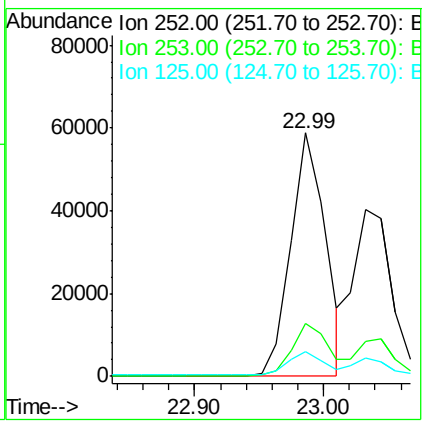


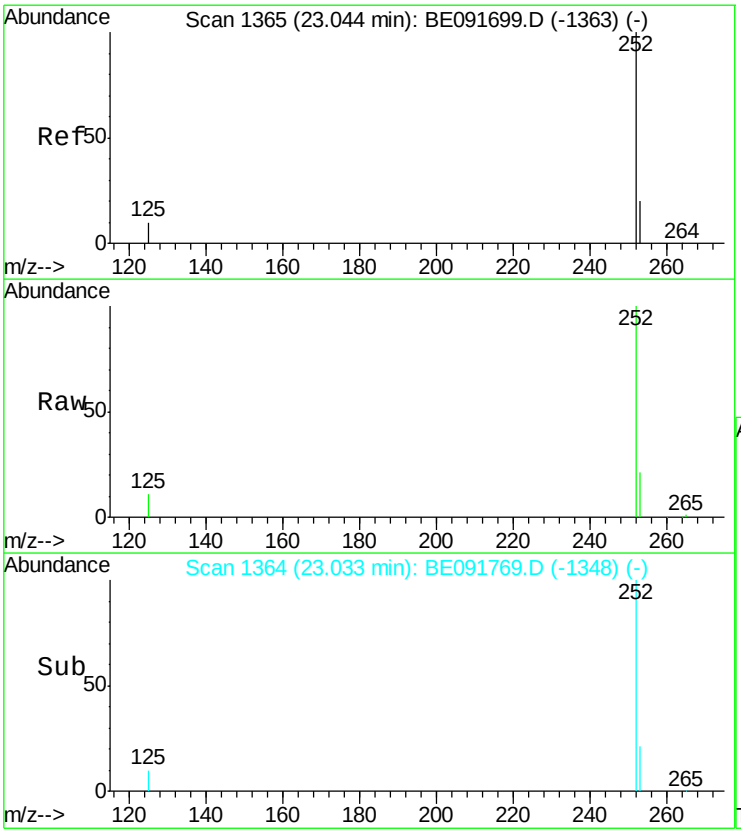
#36
Benzo(b)fluoranthene
Concen: 1.66 ng
RT: 22.99 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

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

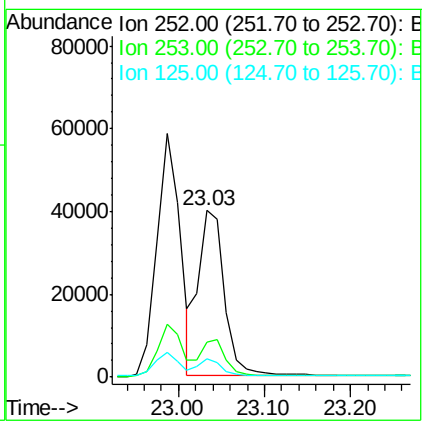


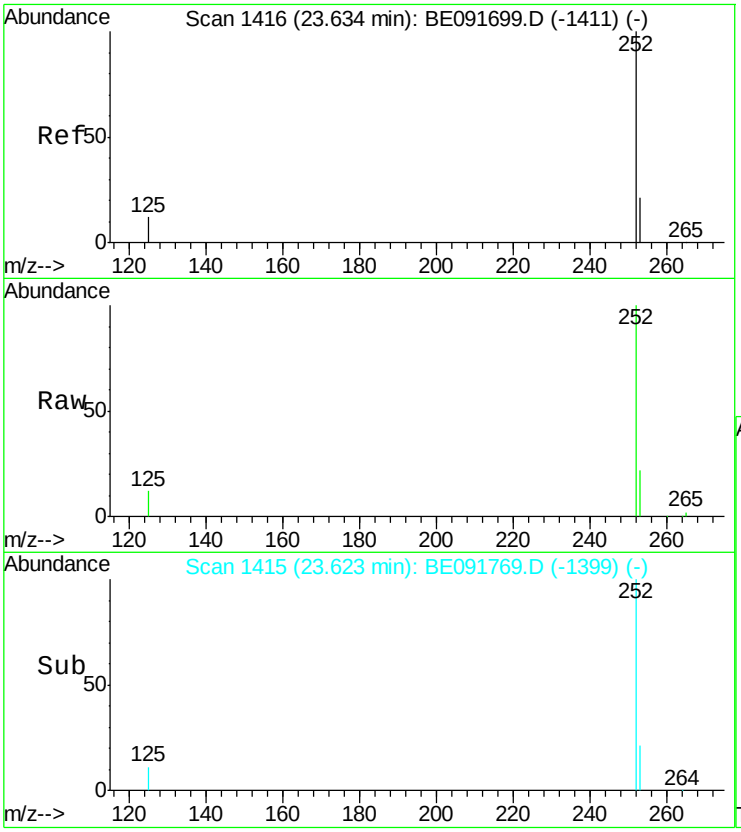


#37
Benzo(k)fluoranthene
Concen: 1.24 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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



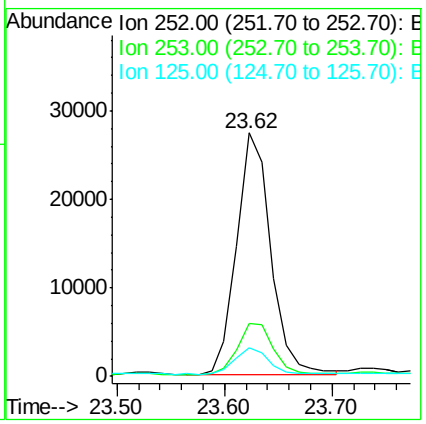


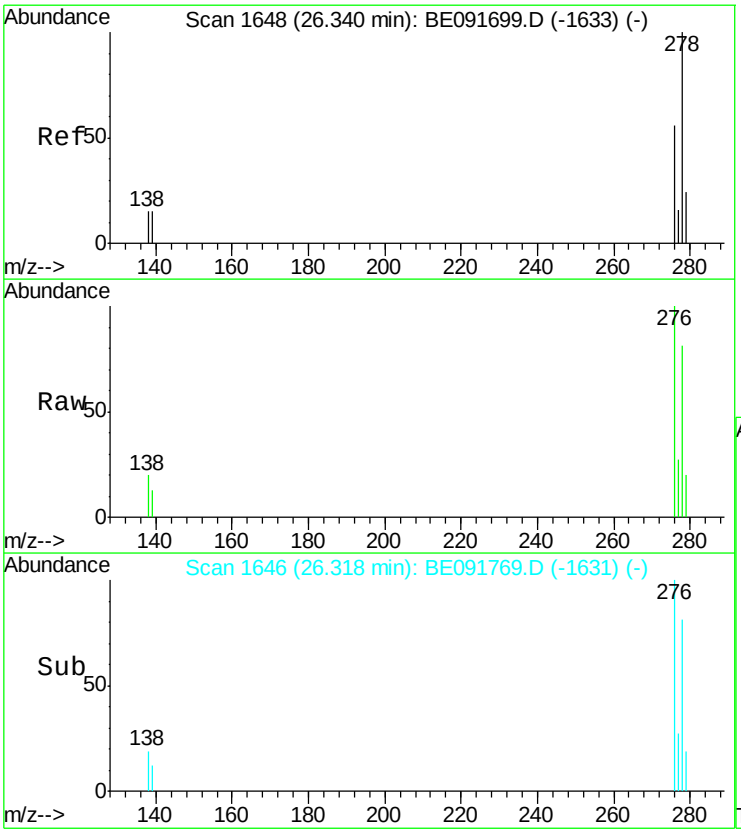
#38
Benzo(a)pyrene
Concen: 0.96 ng
RT: 23.62 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

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

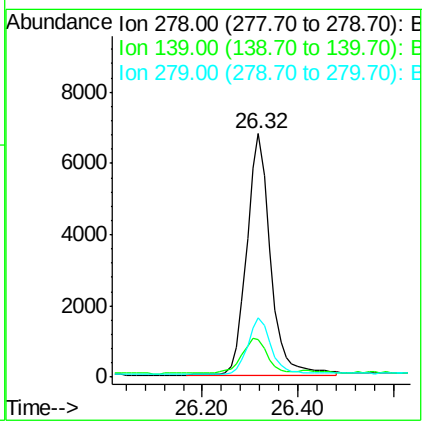


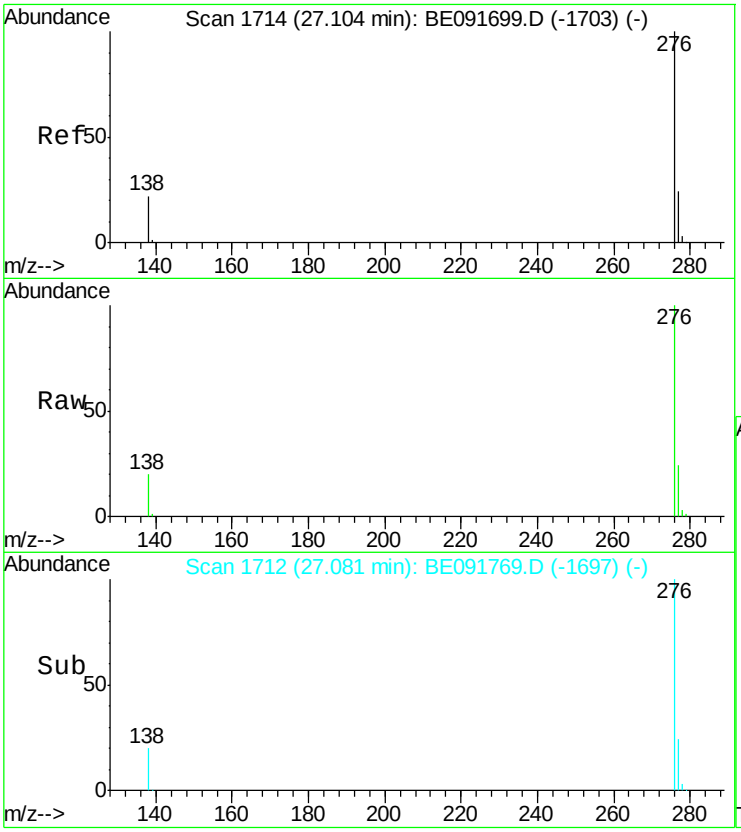


#39
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.32 min Scan# 1646
Delta R.T. -0.02 min
Lab File: BE091769.D
Acq: 10 May 2016 23:01

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

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

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#