Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
Data File : BM003322.D
Acq On : 30 Nov 2015 16:32
Operator : UM/IZ
Sample : G4221-26
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PT-PAH-SOIL

Quant Time: Dec 01 02:46:44 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 27 16:36:40 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	71681	5.00	ng		-0.02
7) Naphthalene-d8	10.51	136	304035	5.00	ng		-0.02
13) Acenaphthene-d10	14.38	164	154148	5.00	ng		0.00
19) Phenanthrene-d10	17.12	188	322261	5.00	ng		0.00
26) Chrysene-d12	21.32	240	237160	5.00	ng		0.00
35) Perylene-d12	23.59	264	211782	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.30	112	111164	7.86	ng		-0.02
5) Phenol-d6	6.88	99	156198	9.63	ng		-0.02
8) Nitrobenzene-d5	8.88	82	65090	4.81	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	40722	11.28	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	203665	4.09	ng		-0.01
29) Terphenyl-d14	19.76	244	153837	4.65	ng		0.00
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.44	42	338	0.05	ng	#	1
10) Naphthalene	10.56	128	657153	10.00	ng		100
12) 2-Methylnaphthalene	12.18	142	284665	6.91	ng		99
16) Acenaphthylene	14.09	152	137803	2.44	ng		99
17) Acenaphthene	14.42	154	273161	6.27	ng	#	100
18) Fluorene	15.42	166	274050	6.23	ng		98
20) 4-Bromophenyl-phenylether	16.30	248	61	0.22	ng	#	42
22) Pentachlorophenol	16.76	266	232	0.16	ng	#	82
23) Phenanthrene	17.15	178	520070	7.01	ng		99
24) Anthracene	17.25	178	775701	12.90	ng		100
25) Fluoranthene	19.18	202	453245	6.45	ng		100
27) Benzidine	19.28	184	569	0.17	ng	#	1
28) Pyrene	19.56	202	325905	4.50	ng		98
30) Benzo(a)anthracene	21.36	228	599394	9.98	ng	#	93
31) 3,3'-Dichlorobenzidine	21.26	252	108	0.17	ng	#	54
32) Chrysene	21.36	228	599452	8.92	ng		92
33) Bis(2-ethylhexyl)phthalate	21.24	149	27102	1.42	ng	#	93
34) Indeno(1,2,3-cd)pyrene	25.86	276	525821	9.55	ng	#	78
36) Benzo(b)fluoranthene	22.90	252	506334	8.31	ng		96
37) Benzo(k)fluoranthene	22.95	252	257139	4.69	ng		98
38) Benzo(a)pyrene	23.48	252	331785	6.83	ng		98
39) Dibenzo(a,h)anthracene	25.88	278	488852	11.64	ng		98
40) Benzo(g,h,i)perylene	26.56	276	197909	3.93	ng		96

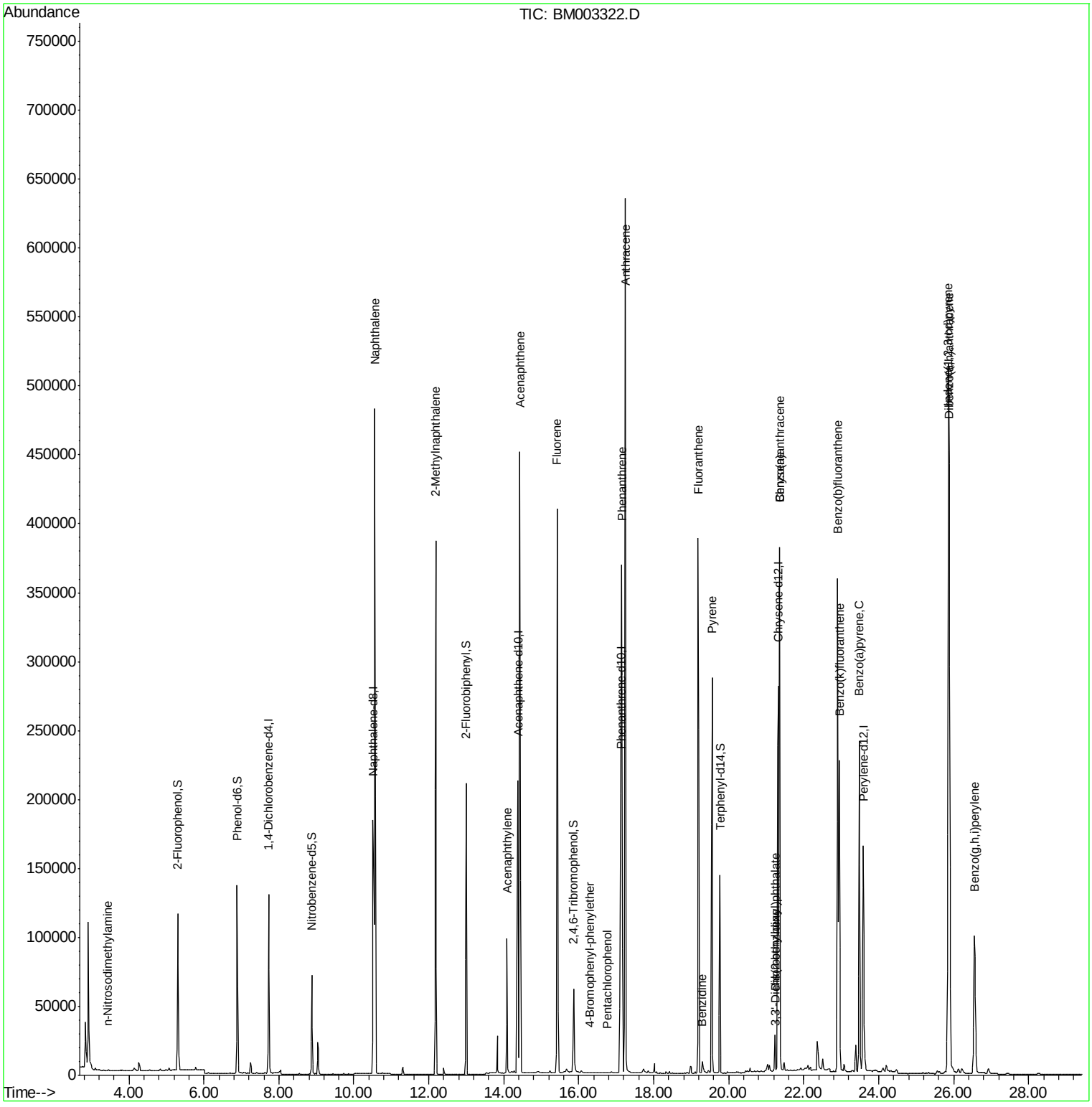
(#) = qualifier out of range (m) = manual integration (+) = signals summed

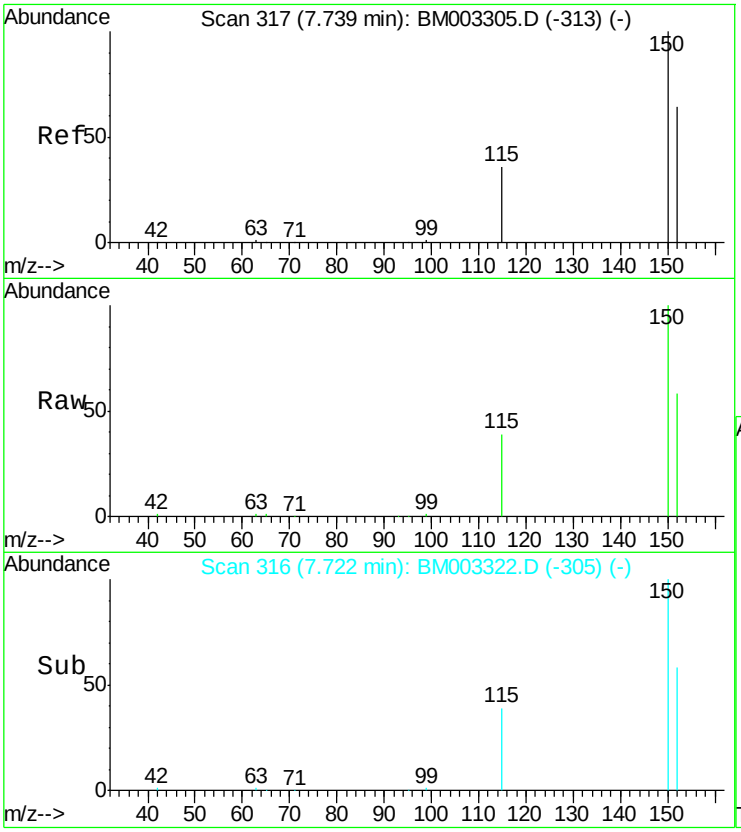
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM113015\
Data File : BM003322.D
Acq On : 30 Nov 2015 16:32
Operator : UM/IZ
Sample : G4221-26
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Quant Time: Dec 01 02:46:44 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 27 16:36:40 2015
Response via : Initial Calibration



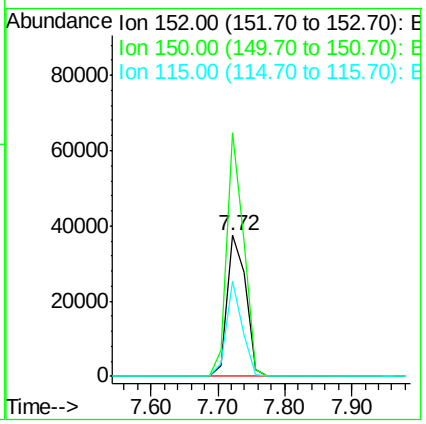


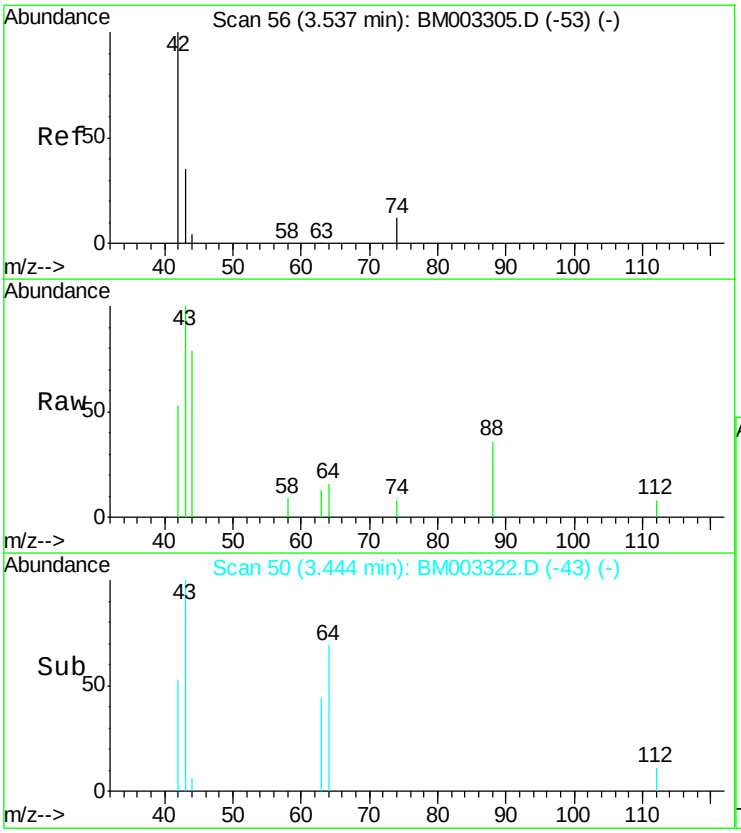
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 316
Delta R.T. -0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:152 Resp: 71681

Ion	Ratio	Lower	Upper
152	100		
150	172.6	143.6	215.4
115	67.5	58.5	87.7

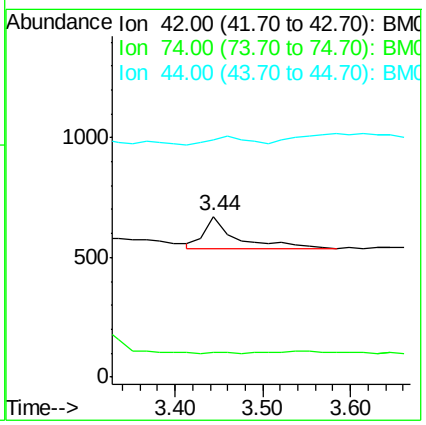


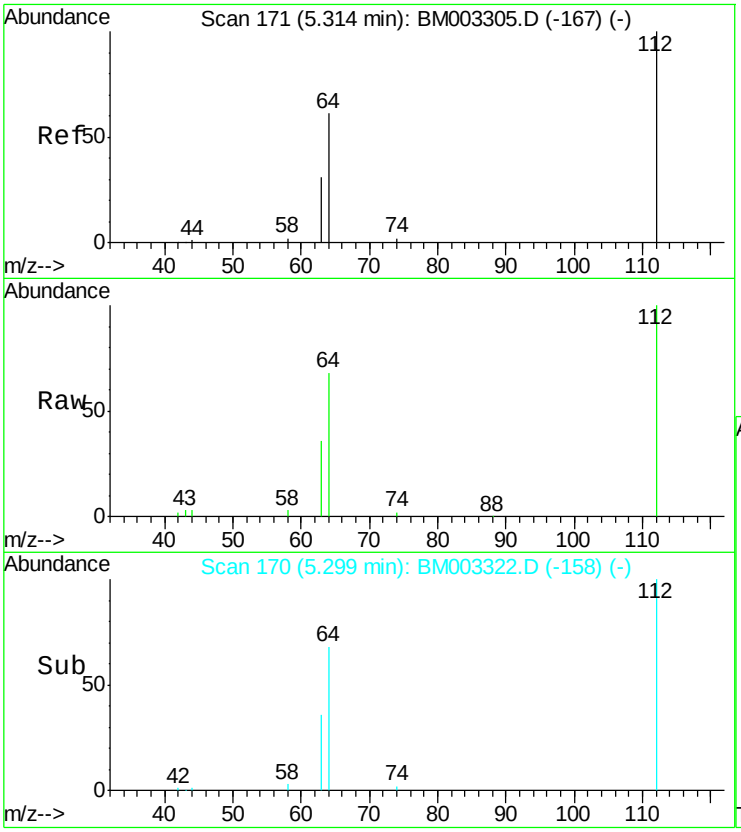


#3
n-Nitrosodimethylamine
Concen: 0.05 ng
RT: 3.44 min Scan# 50
Delta R.T. -0.09 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion: 42 Resp: 338

Ion	Ratio	Lower	Upper
42	100		
74	0.6	101.0	151.4#
44	30.8	6.3	9.5#



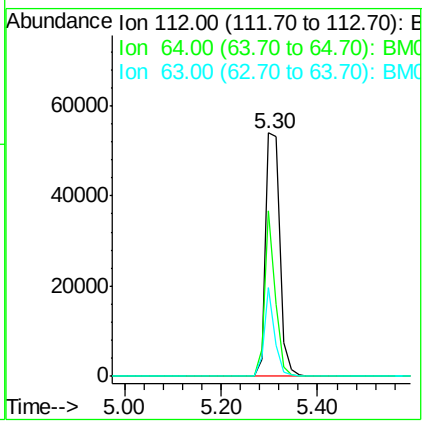


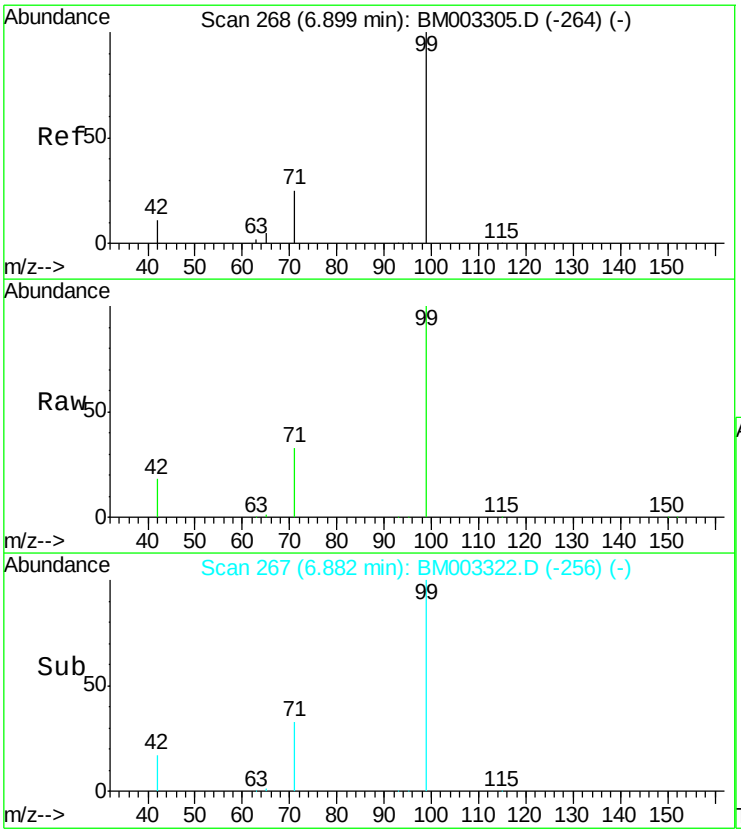
#4
2-Fluorophenol
Concen: 7.86 ng
RT: 5.30 min Scan# 170
Delta R.T. -0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:112 Resp: 111164

Ion	Ratio	Lower	Upper
112	100		
64	51.1	41.2	61.8
63	26.5	21.2	31.8

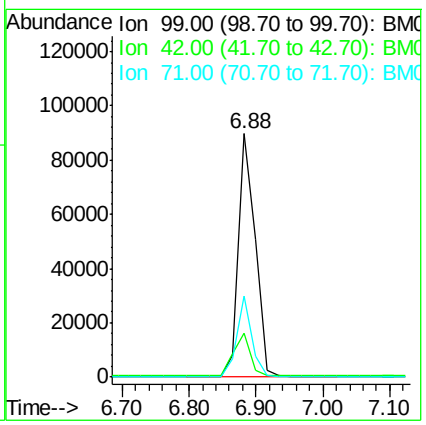


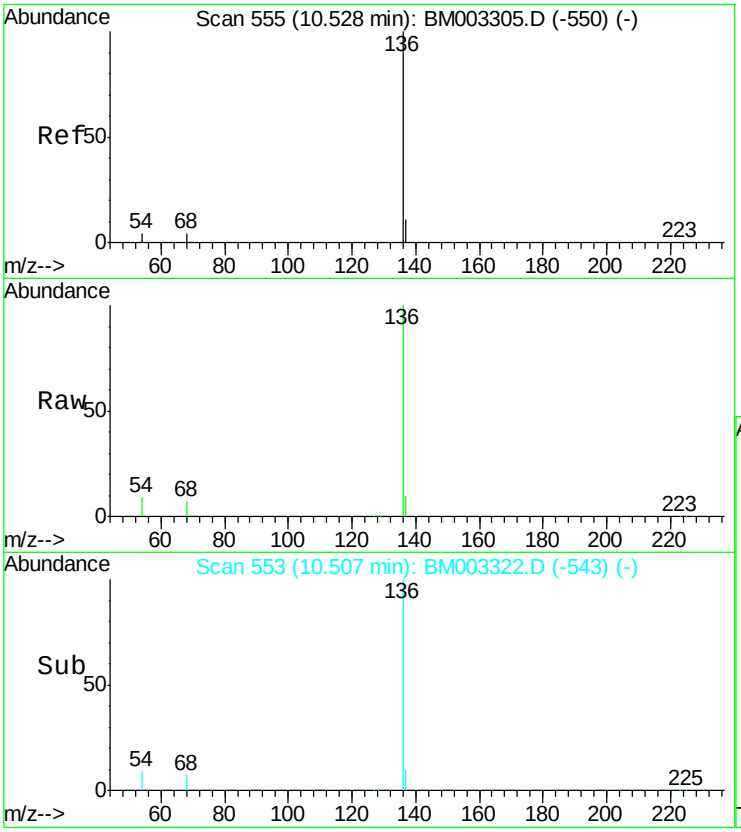


#5
Phenol-d6
Concen: 9.63 ng
RT: 6.88 min Scan# 267
Delta R.T. -0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion: 99 Resp: 156198

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.6	22.0
71	29.5	23.3	34.9



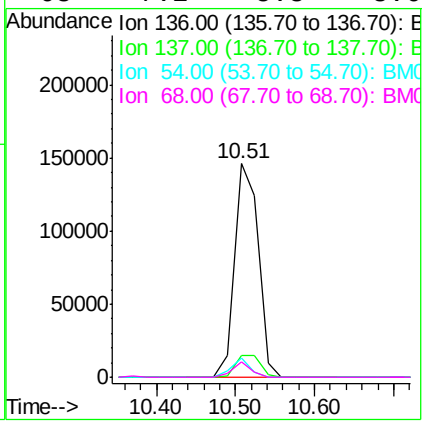


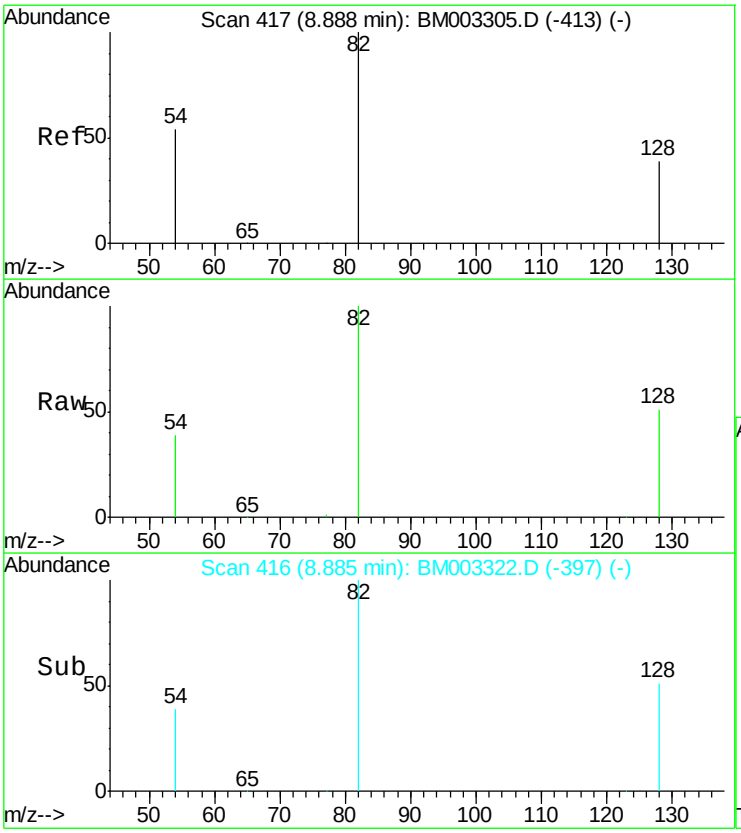
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.51 min Scan# 553
Delta R.T. -0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:136 Resp: 304035

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.0	12.0
54	9.2	7.4	11.0
68	7.2	5.8	8.6

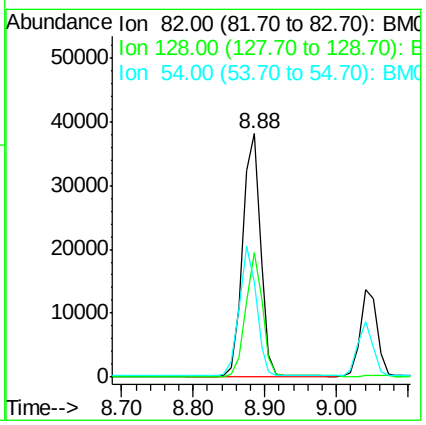


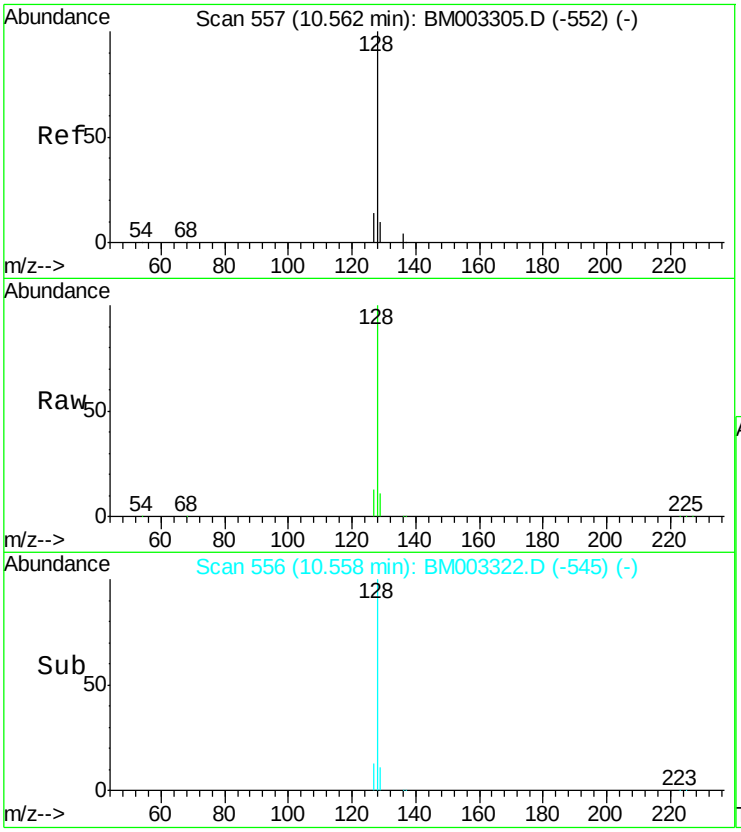


#8
Nitrobenzene-d5
Concen: 4.81 ng
RT: 8.88 min Scan# 416
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion: 82 Resp: 65090

Ion	Ratio	Lower	Upper
82	100		
128	51.0	35.2	52.8
54	39.0	36.4	54.6



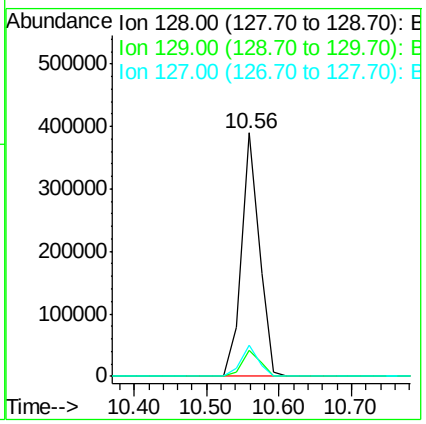


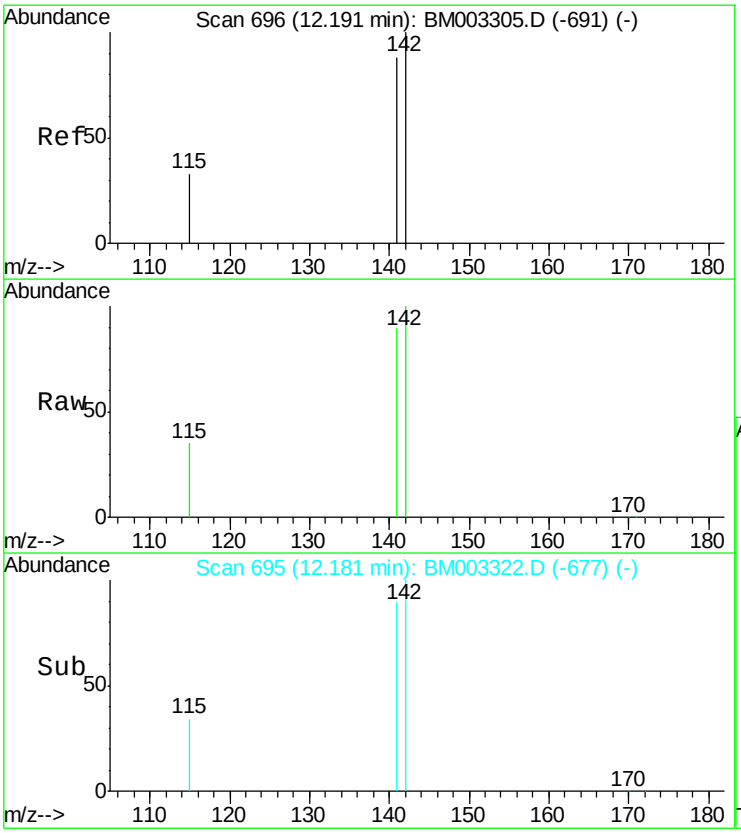
#10
Naphthalene
Concen: 10.00 ng
RT: 10.56 min Scan# 556
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:128 Resp: 657153

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.5	12.7
127	13.0	10.6	16.0

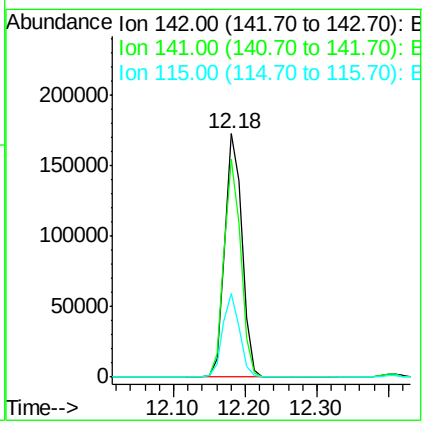


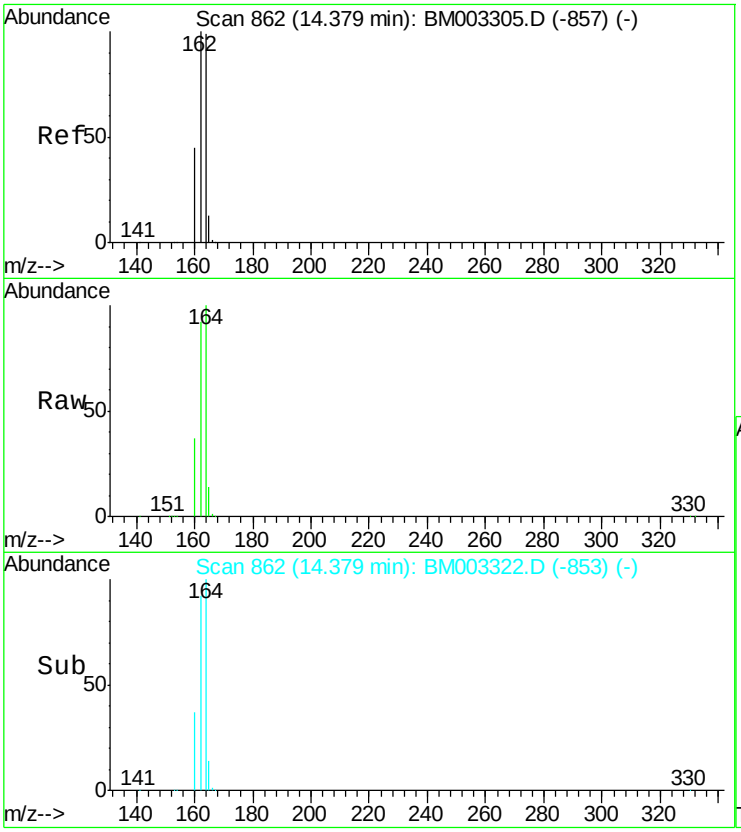


#12
2-Methylnaphthalene
Concen: 6.91 ng
RT: 12.18 min Scan# 695
Delta R.T. -0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:142 Resp: 284665

Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.2	108.2
115	34.5	28.0	42.0



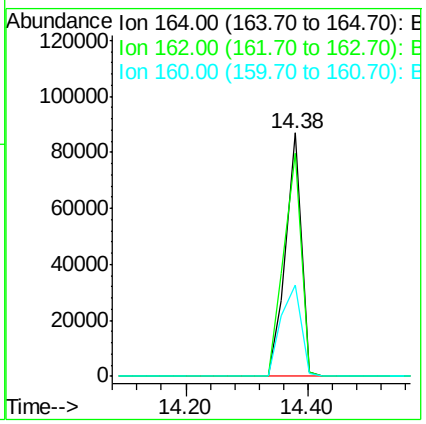


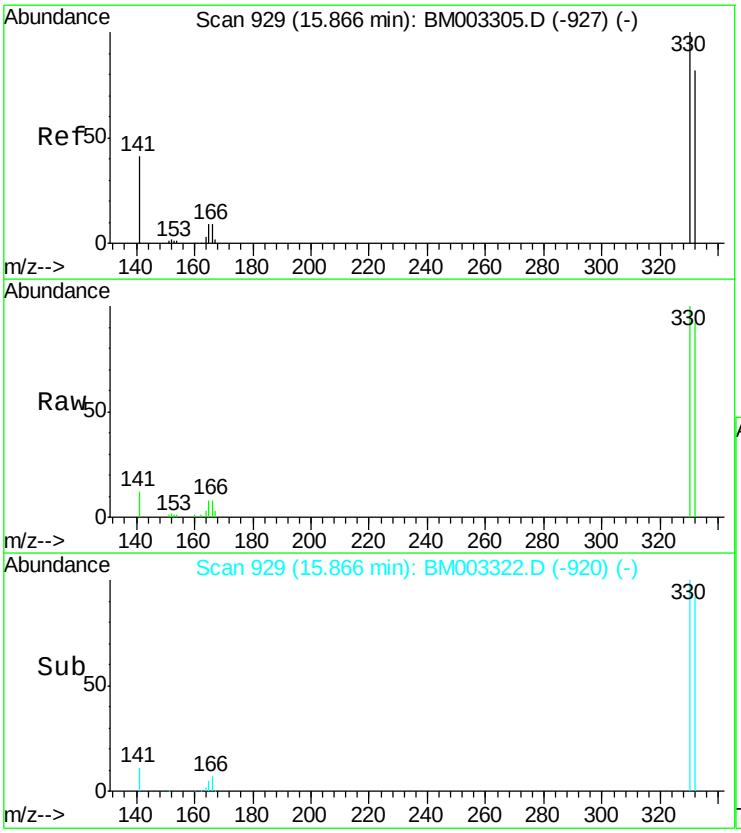
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:164 Resp: 154148

Ion	Ratio	Lower	Upper
164	100		
162	91.7	78.3	117.5
160	37.3	33.8	50.6

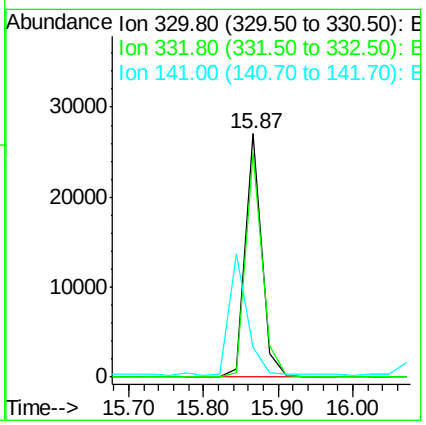


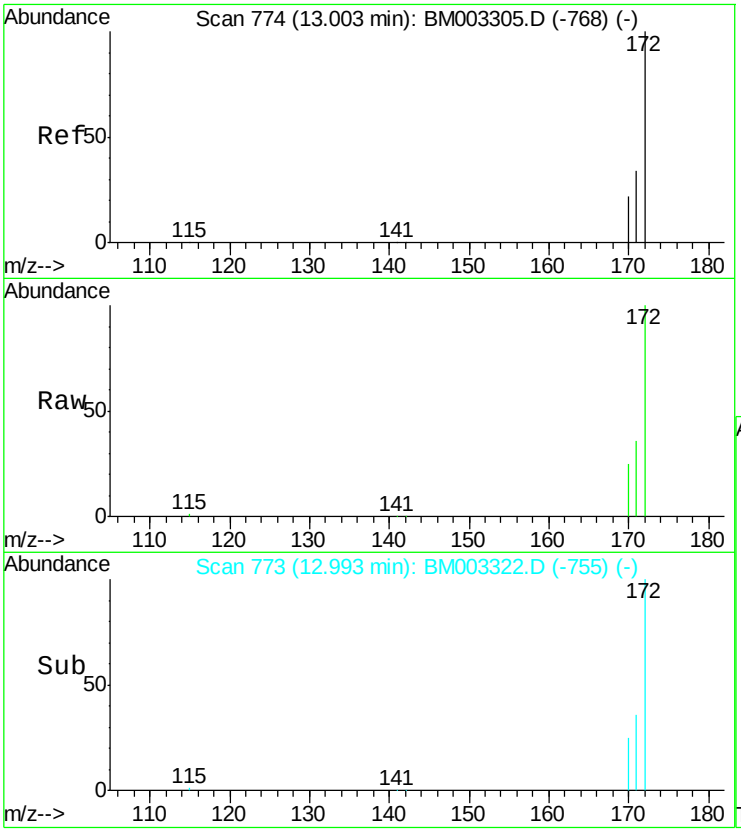


#14
2,4,6-Tribromophenol
Concen: 11.28 ng
RT: 15.87 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:330 Resp: 40722

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.0	114.0
141	0.0	0.0	0.0



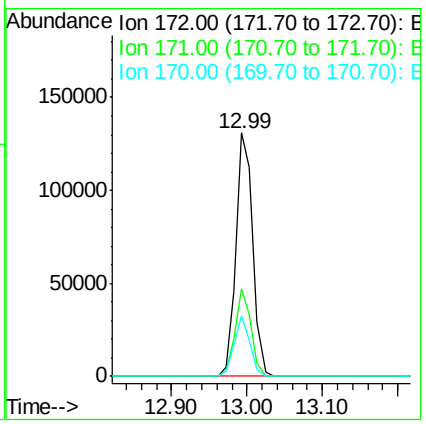


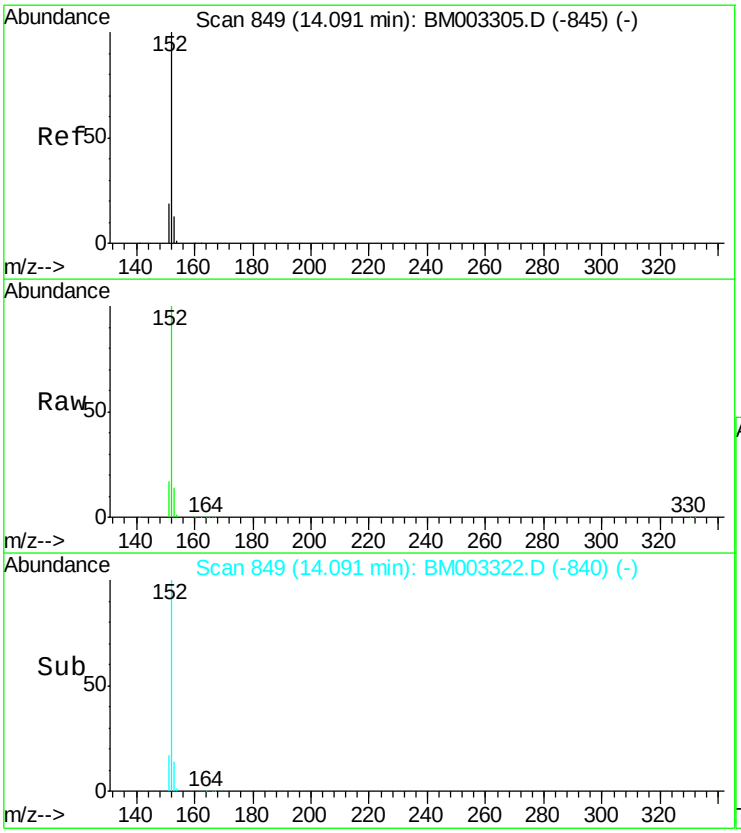
#15
2-Fluorobiphenyl
Concen: 4.09 ng
RT: 12.99 min Scan# 773
Delta R.T. -0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:172 Resp: 203665

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.0	42.0
170	25.0	18.9	28.3

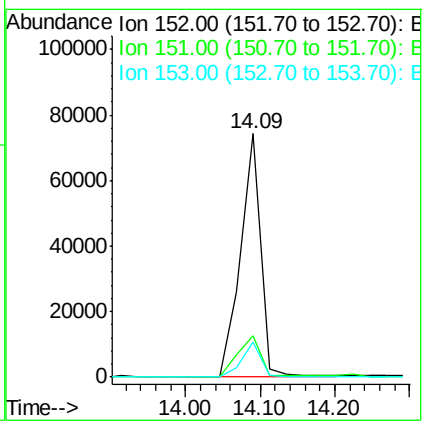


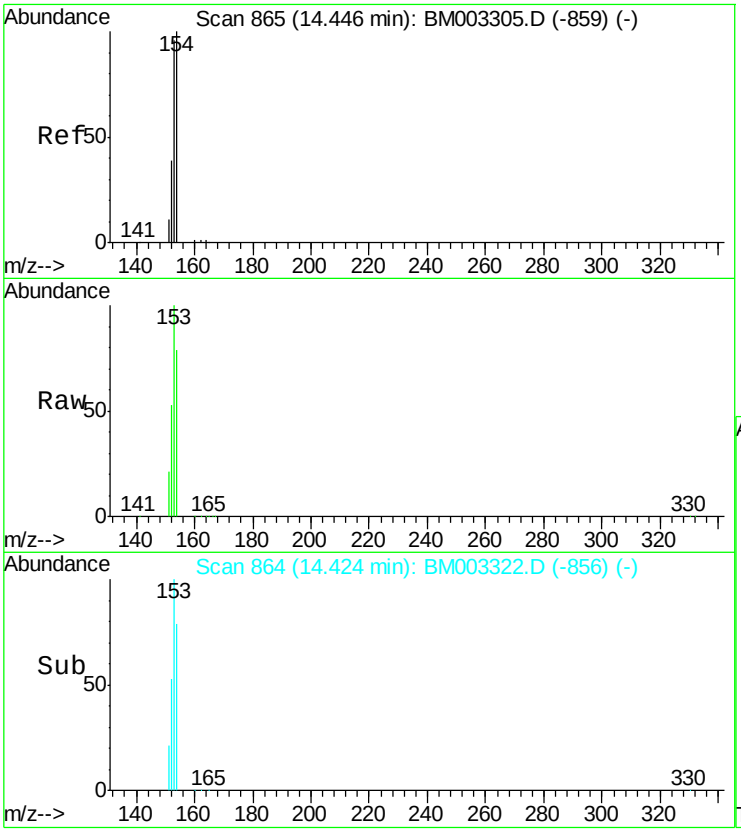


#16
Acenaphthylene
Concen: 2.44 ng
RT: 14.09 min Scan# 849
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:152 Resp: 137803

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.2	22.8
153	13.2	10.4	15.6



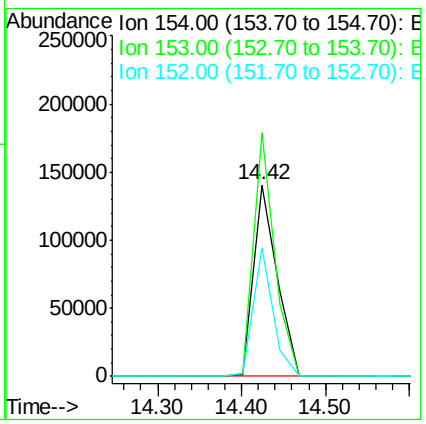


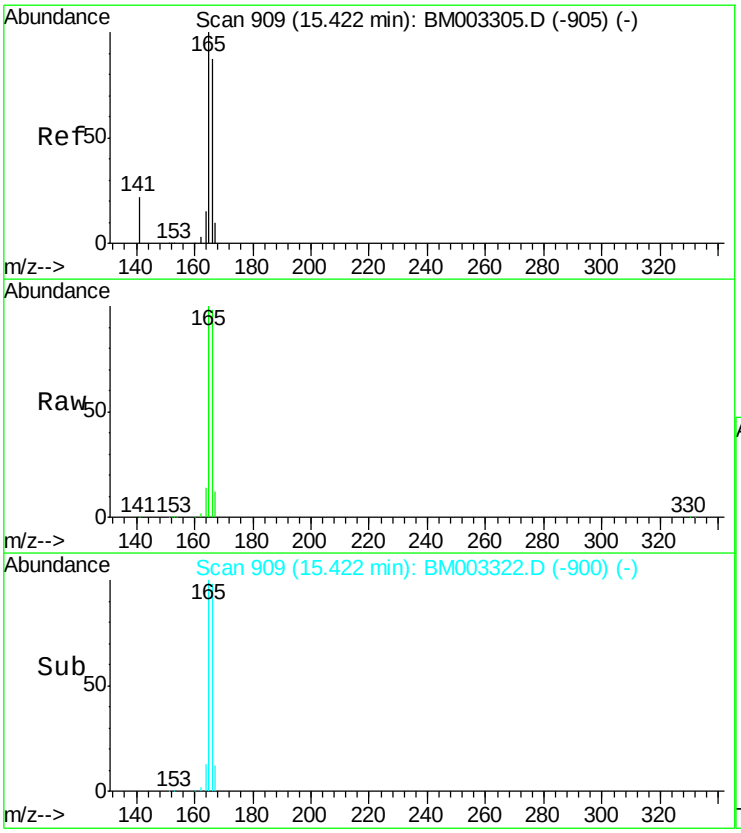
#17
Acenaphthene
Concen: 6.27 ng
RT: 14.42 min Scan# 864
Delta R.T. -0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:154 Resp: 273161

Ion	Ratio	Lower	Upper
154	100		
153	114.6	0.0	0.0#
152	56.1	0.0	0.0#

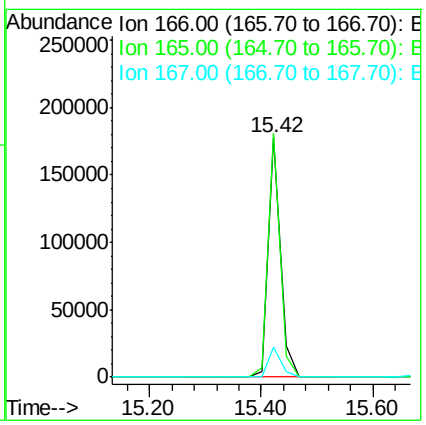


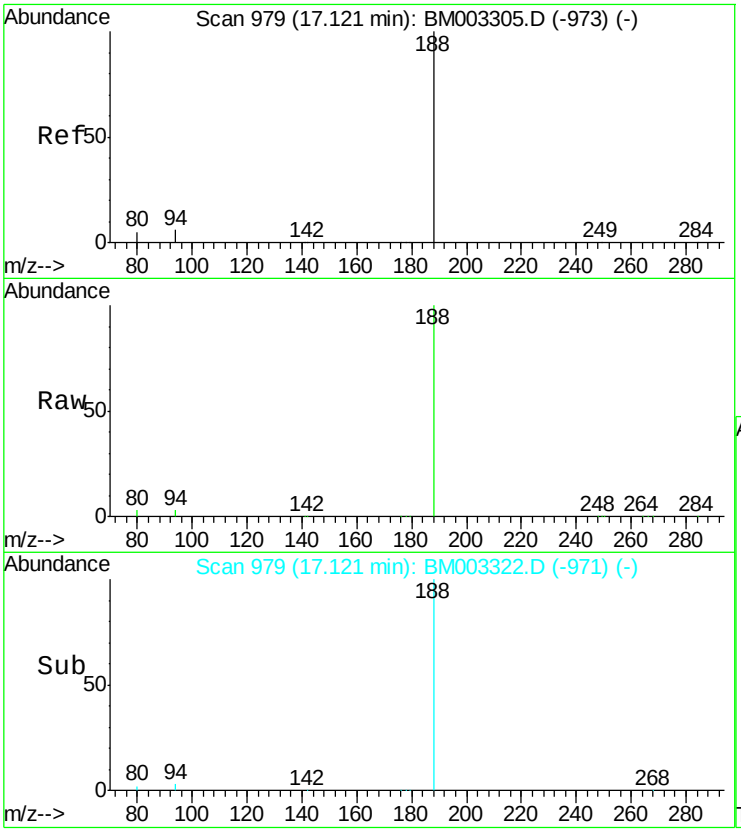


#18
Fluorene
Concen: 6.23 ng
RT: 15.42 min Scan# 909
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:166 Resp: 274050

Ion	Ratio	Lower	Upper
166	100		
165	98.8	80.8	121.2
167	13.0	10.5	15.7



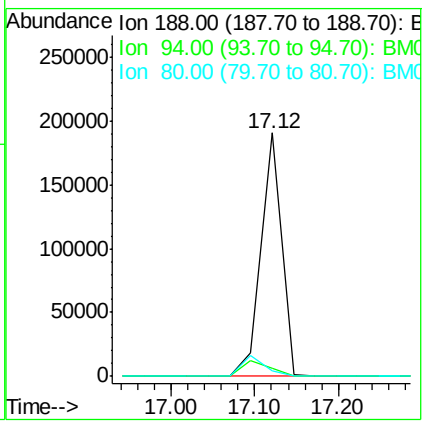


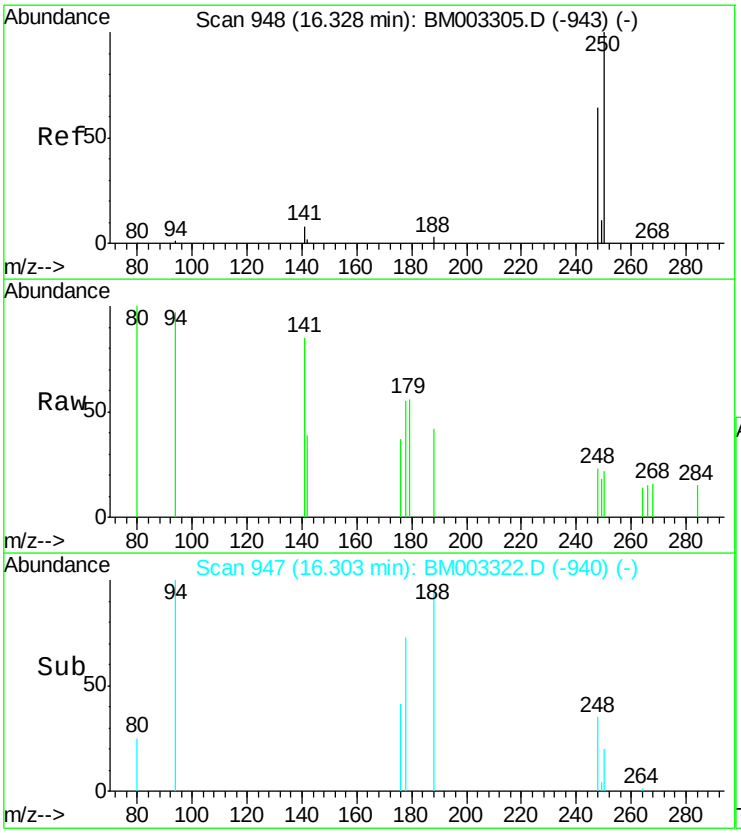
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 979
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:188 Resp: 322261

Ion	Ratio	Lower	Upper
188	100		
94	3.2	1.8	2.6#
80	2.5	1.4	2.0#

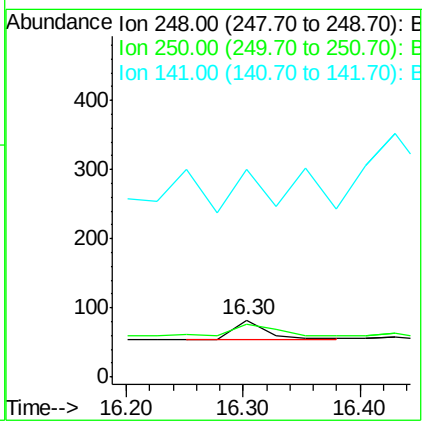


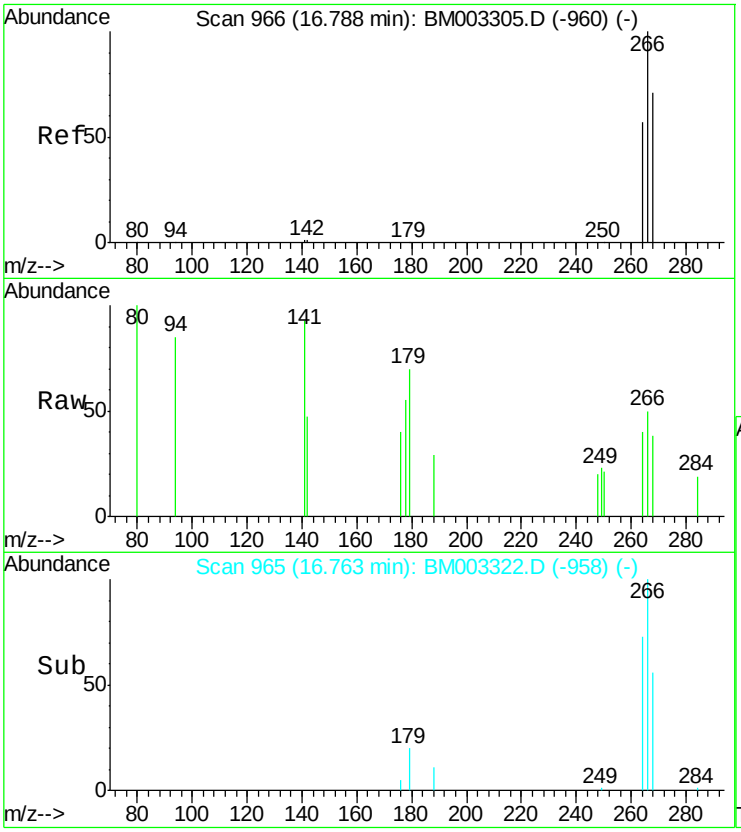


#20
4-Bromophenyl-phenylether
Concen: 0.22 ng
RT: 16.30 min Scan# 947
Delta R.T. -0.03 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:248 Resp: 61

Ion	Ratio	Lower	Upper
248	100		
250	65.6	65.4	98.0
141	180.3	72.8	109.2#



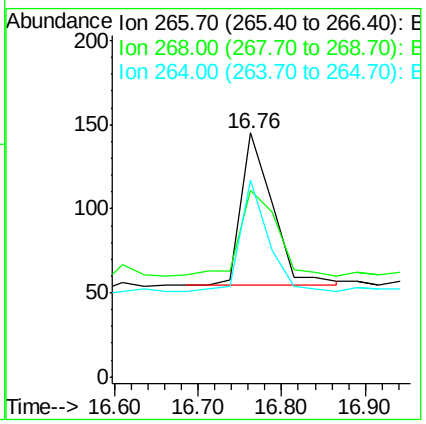


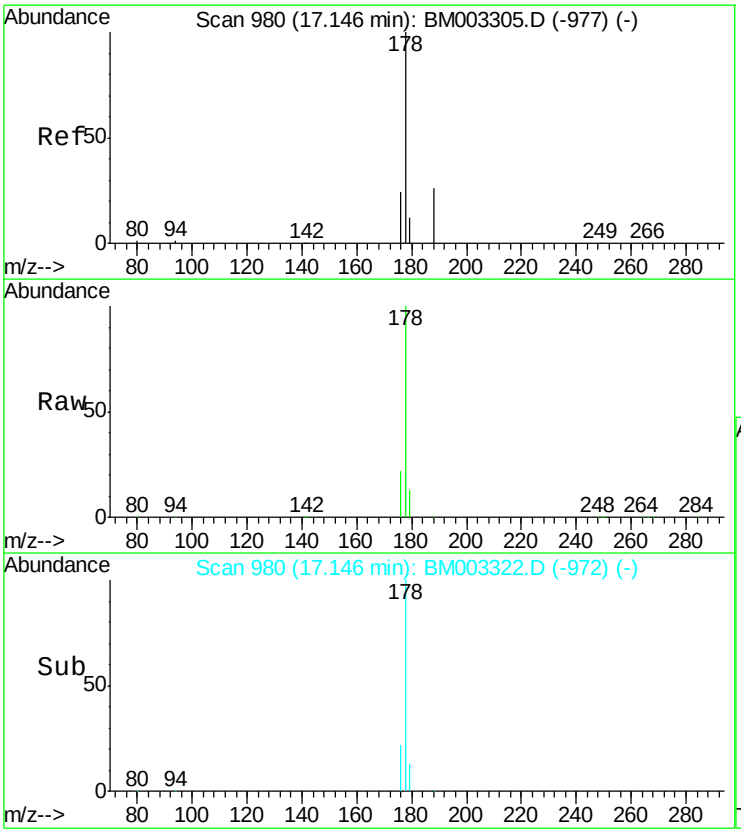
#22
Pentachlorophenol
Concen: 0.16 ng
RT: 16.76 min Scan# 965
Delta R.T. -0.03 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:266 Resp: 232

Ion	Ratio	Lower	Upper
266	100		
268	76.6	45.8	68.8#
264	80.7	56.7	85.1

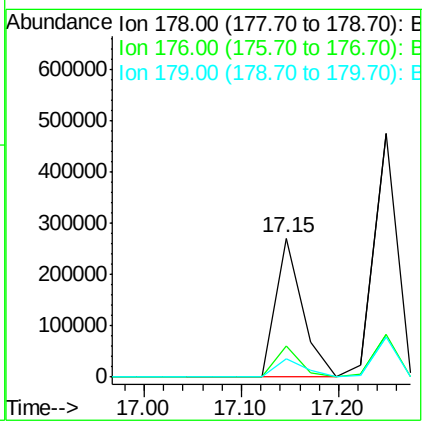


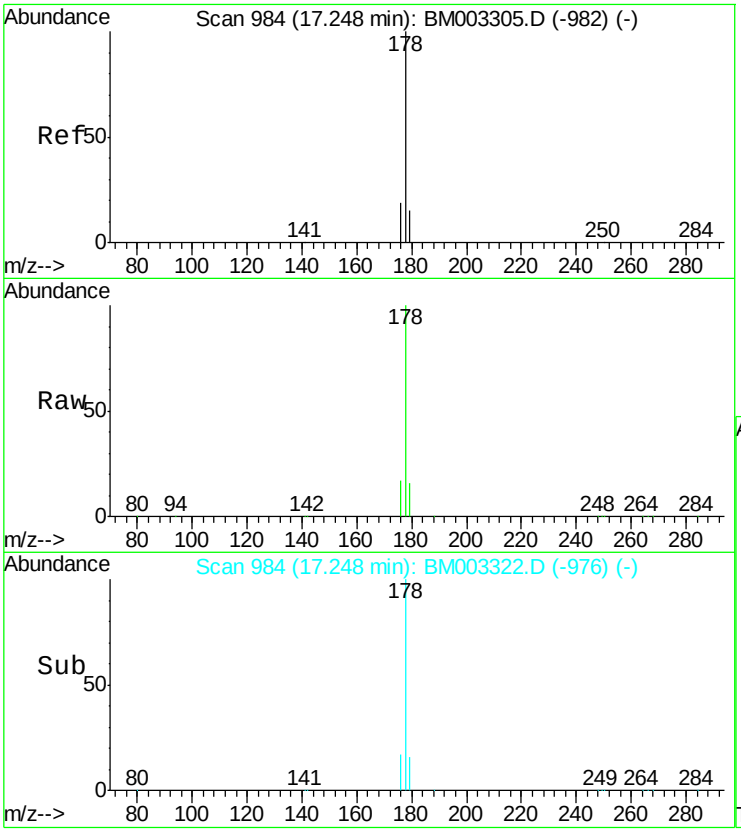


#23
Phenanthrene
Concen: 7.01 ng
RT: 17.15 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:178 Resp: 520070

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.9	23.9
179	14.8	11.7	17.5



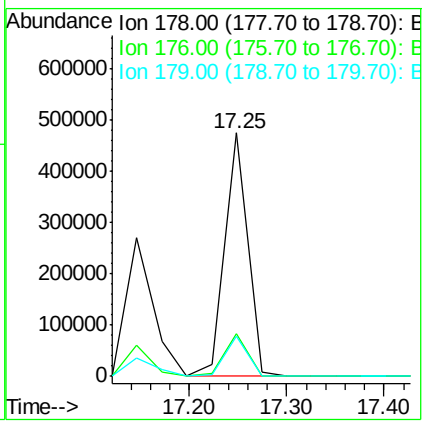


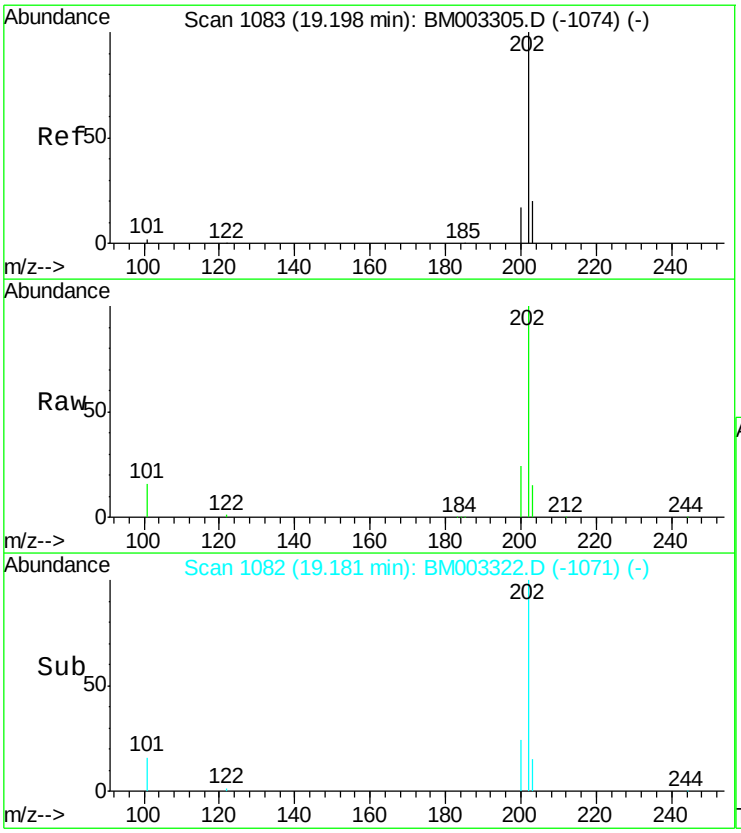
#24
Anthracene
Concen: 12.90 ng
RT: 17.25 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:178 Resp: 775701

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.1	21.1
179	16.1	12.8	19.2

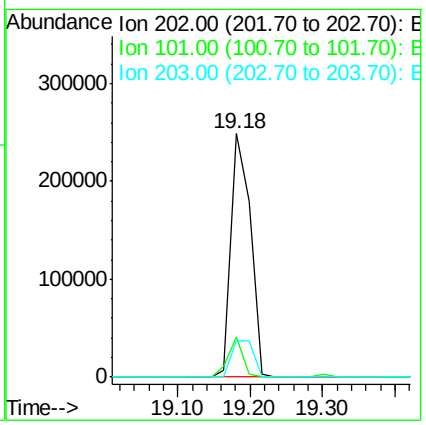


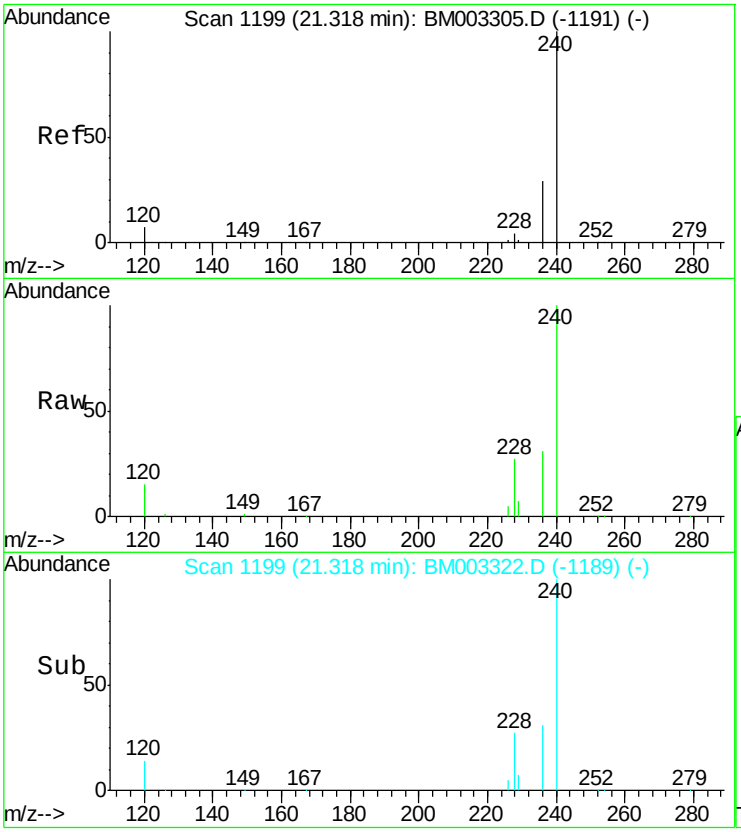


#25
Fluoranthene
Concen: 6.45 ng
RT: 19.18 min Scan# 1082
Delta R.T. -0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:202 Resp: 453245

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.9	14.9
203	17.2	13.9	20.9



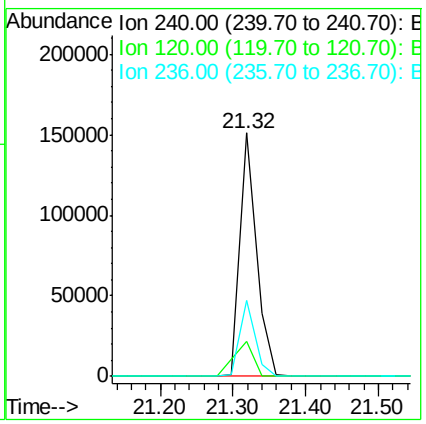


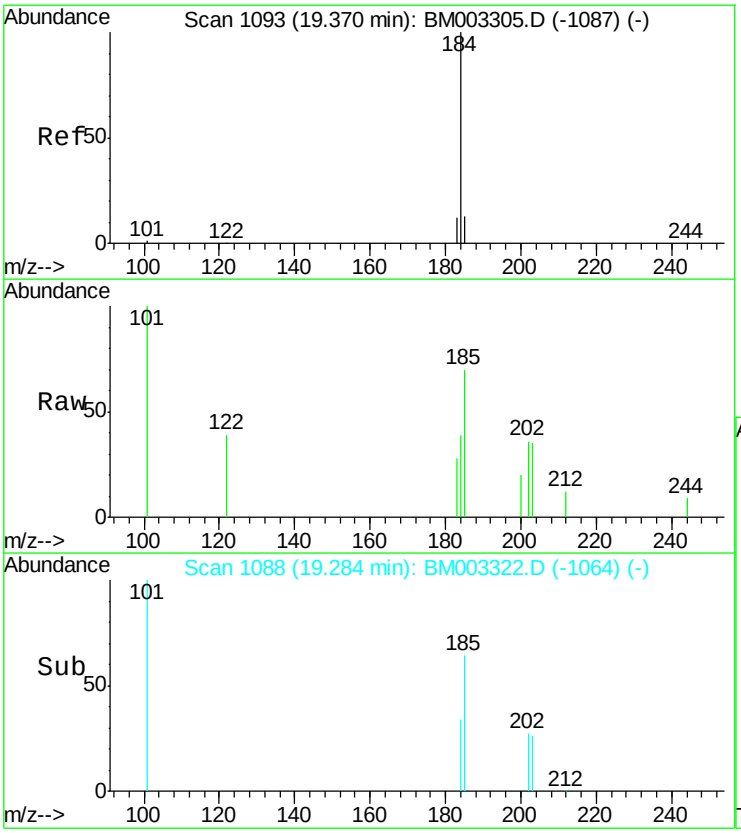
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.32 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:240 Resp: 237160

Ion	Ratio	Lower	Upper
240	100		
120	14.6	1.0	1.4#
236	31.3	17.9	26.9#

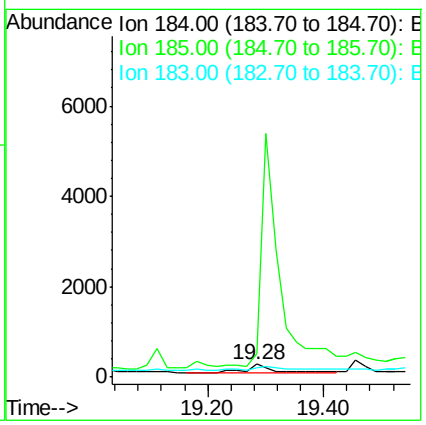


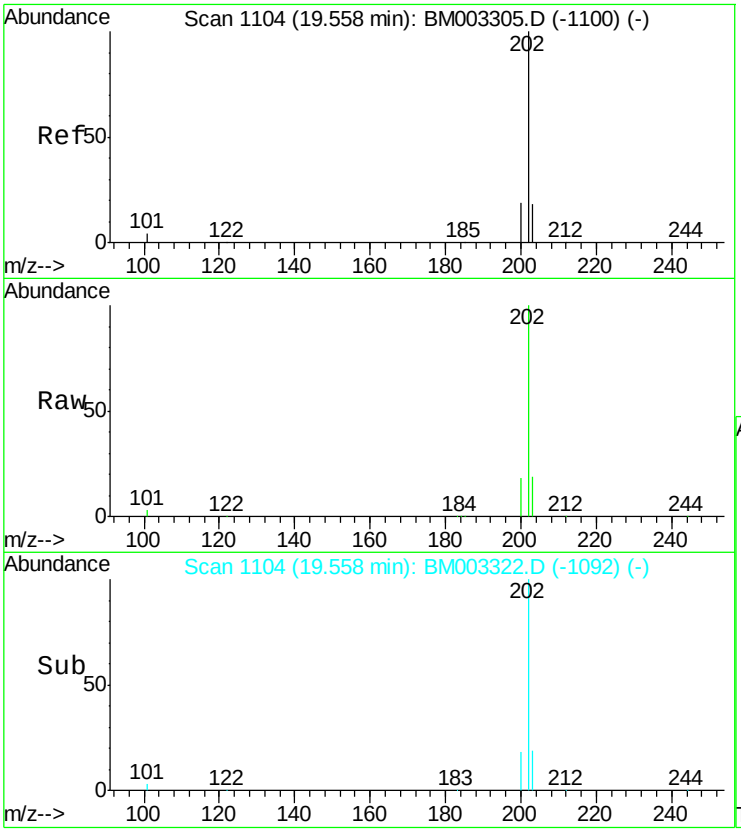


#27
Benzidine
Concen: 0.17 ng
RT: 19.28 min Scan# 1088
Delta R.T. -0.09 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:184 Resp: 569

Ion	Ratio	Lower	Upper
184	100		
185	179.9	11.6	17.4#
183	71.6	8.6	13.0#



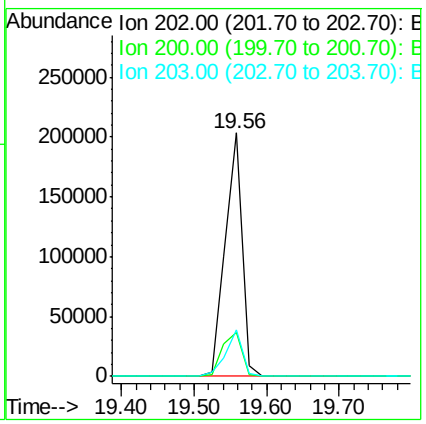


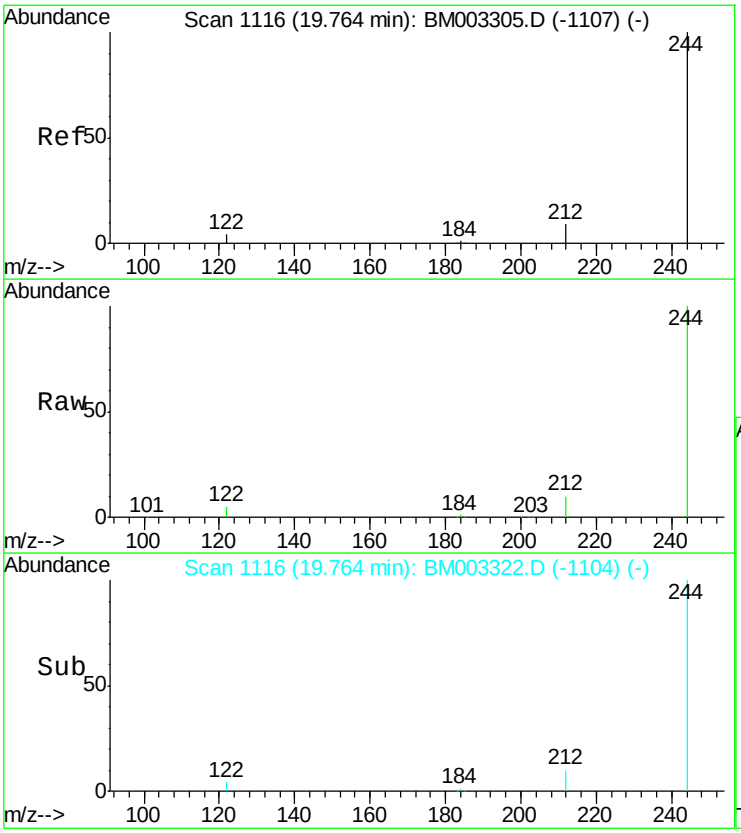
#28
Pyrene
Concen: 4.50 ng
RT: 19.56 min Scan# 1104
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:202 Resp: 325905

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	19.1	13.8	20.6

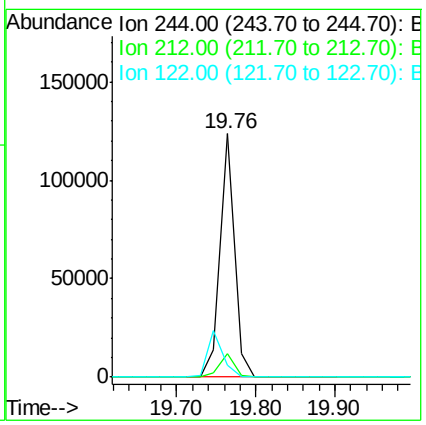


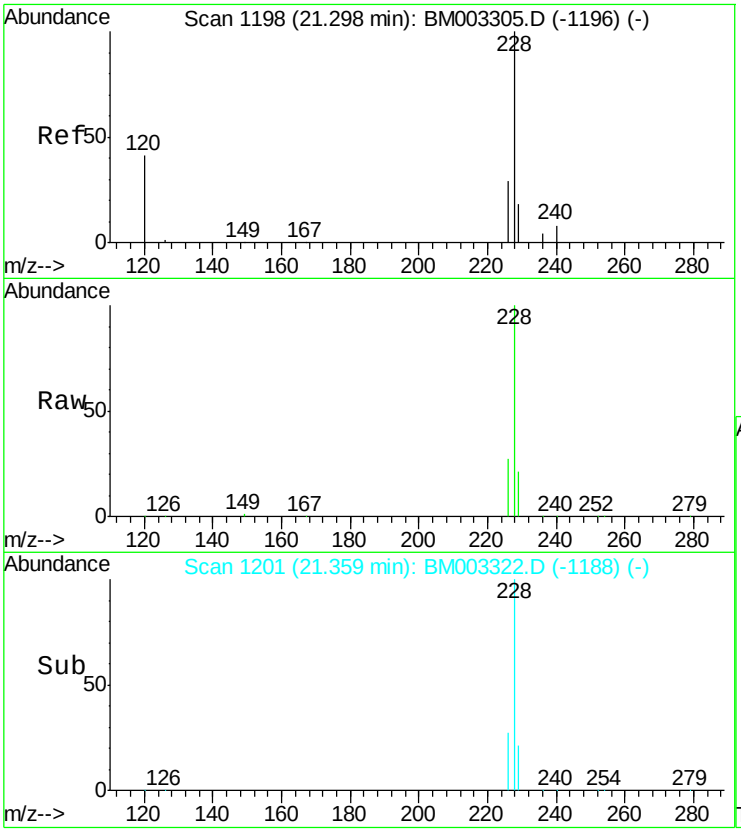


#29
Terphenyl-d14
Concen: 4.65 ng
RT: 19.76 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:244 Resp: 153837

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.5	9.7
122	4.8	2.0	3.0#



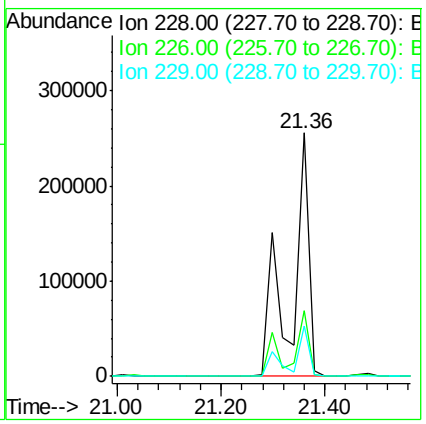


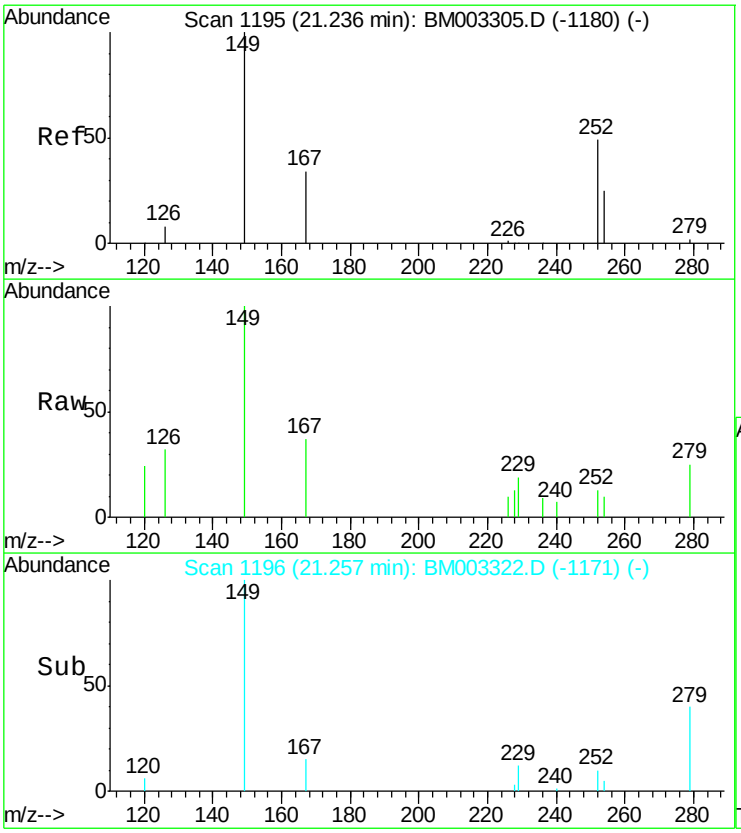
#30
Benzo(a)anthracene
Concen: 9.98 ng
RT: 21.36 min Scan# 1201
Delta R.T. 0.06 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:228 Resp: 599394

Ion	Ratio	Lower	Upper
228	100		
226	27.0	17.8	26.6#
229	20.9	18.0	27.0

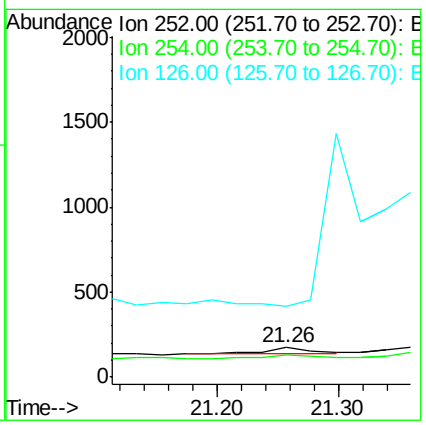


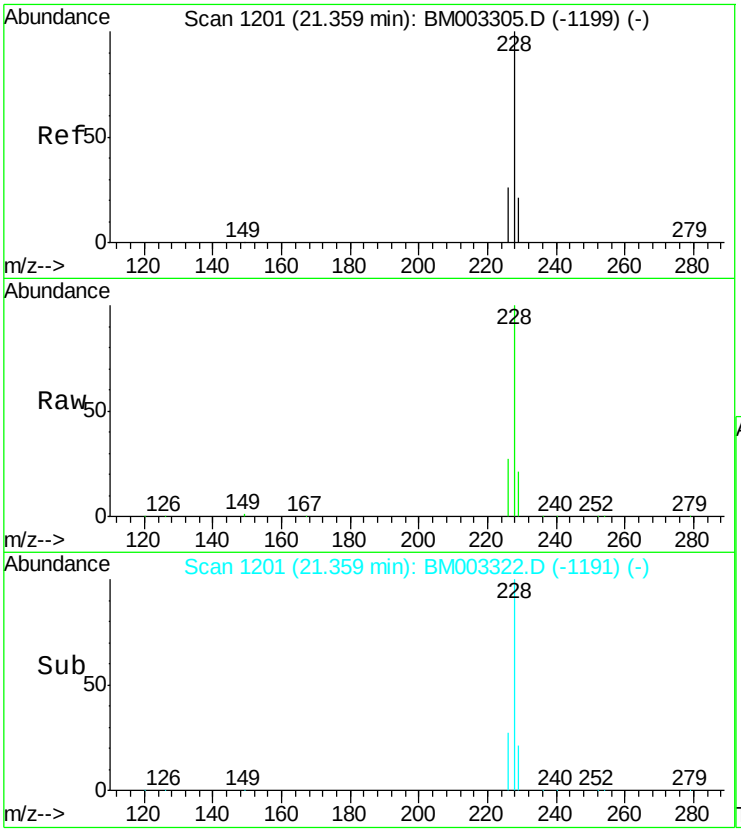


#31
3,3'-Dichlorobenzidine
Concen: 0.17 ng
RT: 21.26 min Scan# 1196
Delta R.T. 0.02 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:252 Resp: 108

Ion	Ratio	Lower	Upper
252	100		
254	75.6	53.7	80.5
126	241.9	2.8	4.2#



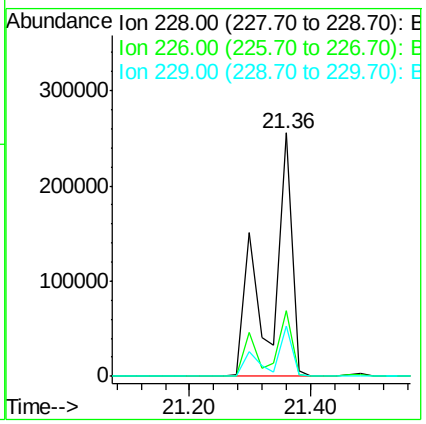


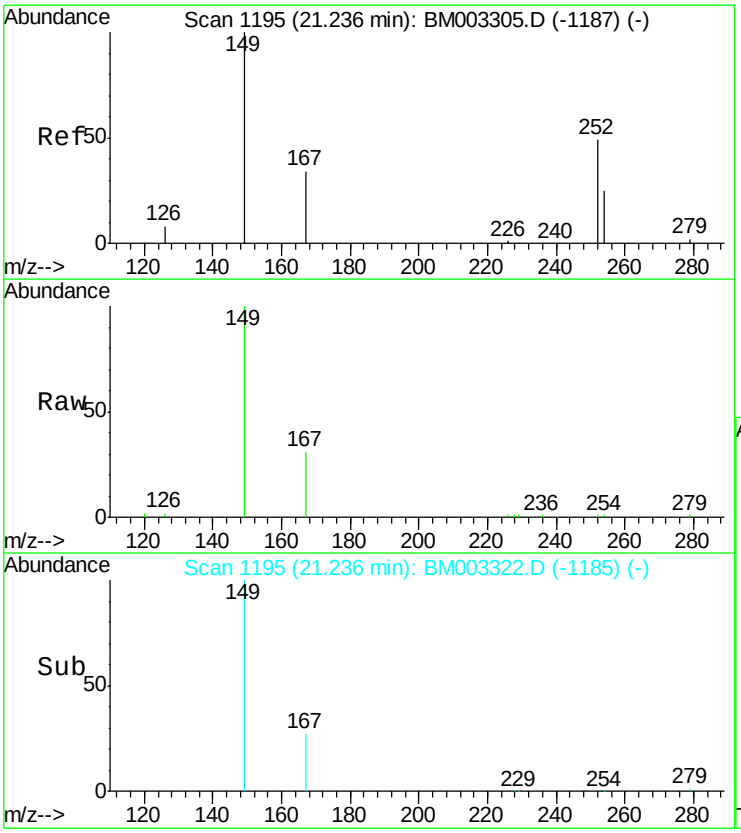
#32
Chrysene
Concen: 8.92 ng
RT: 21.36 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:228 Resp: 599452

Ion	Ratio	Lower	Upper
228	100		
226	27.0	25.5	38.3
229	20.9	14.3	21.5

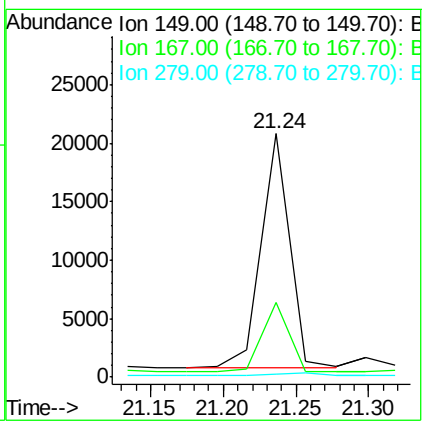


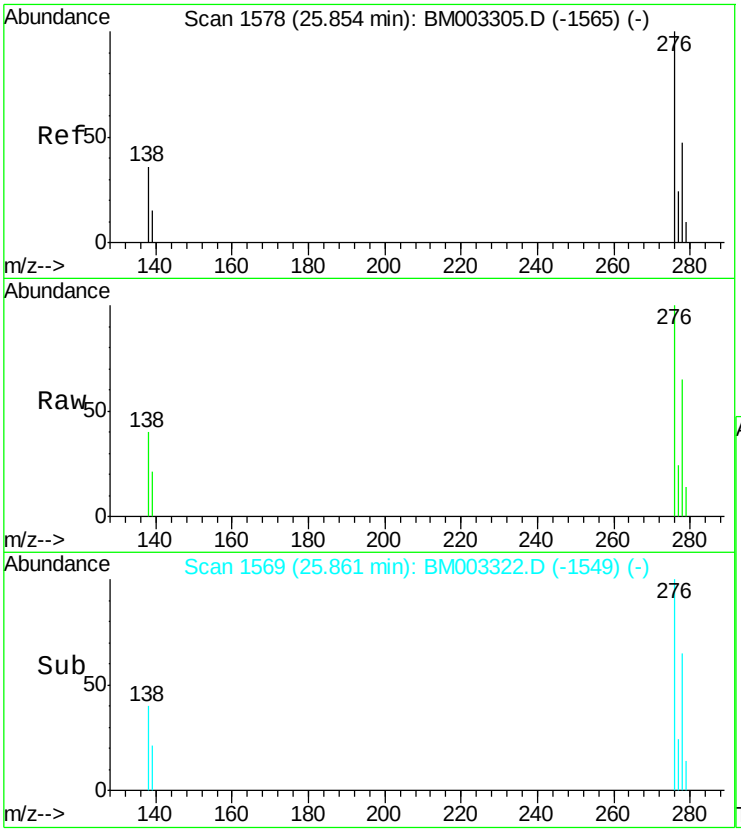


#33
Bis(2-ethylhexyl)phthalate
Concen: 1.42 ng
RT: 21.24 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:149 Resp: 27102

Ion	Ratio	Lower	Upper
149	100		
167	28.2	19.6	29.4
279	0.0	0.0	0.0



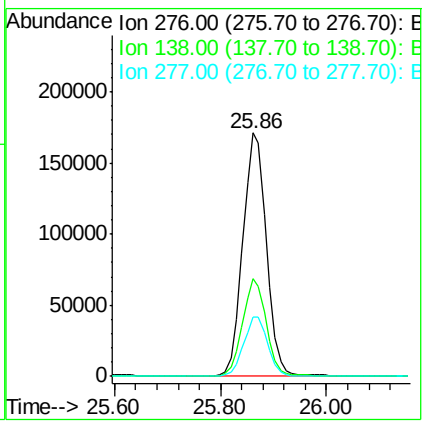


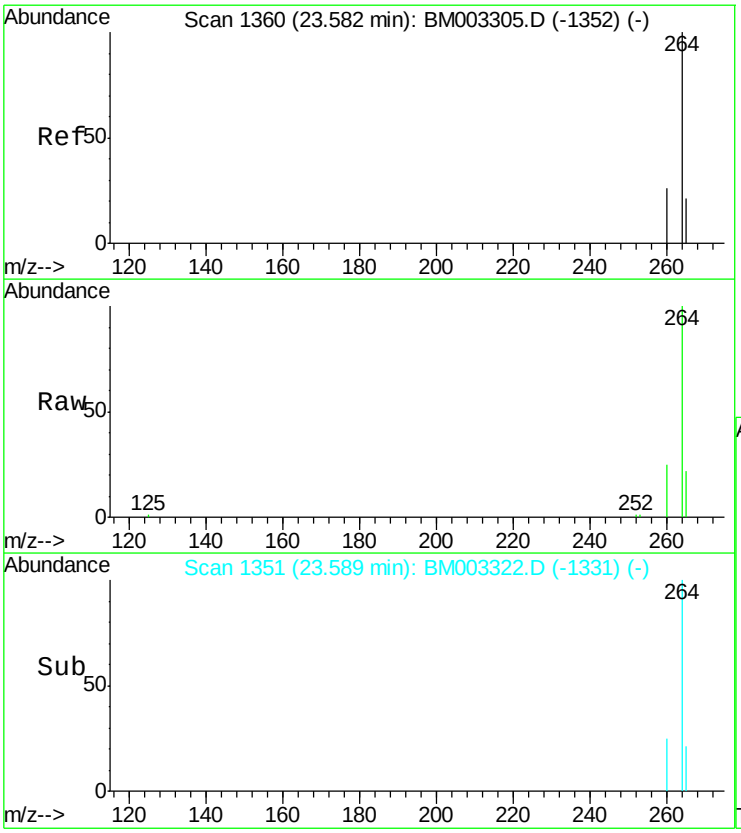
#34
Indeno(1,2,3-cd)pyrene
Concen: 9.55 ng
RT: 25.86 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:276 Resp: 525821

Ion	Ratio	Lower	Upper
276	100		
138	39.2	19.1	28.7#
277	24.8	15.9	23.9#

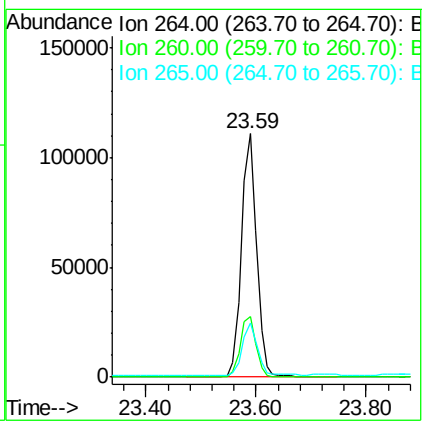


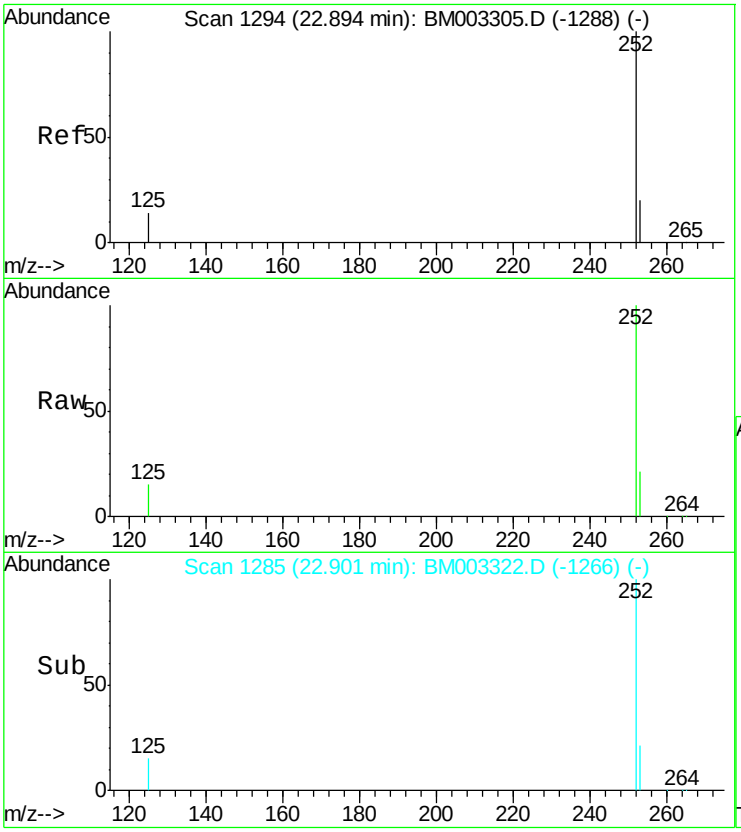


#35
Perylene-d12
Concen: 5.00 ng
RT: 23.59 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:264 Resp: 211782

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	22.2	18.4	27.6



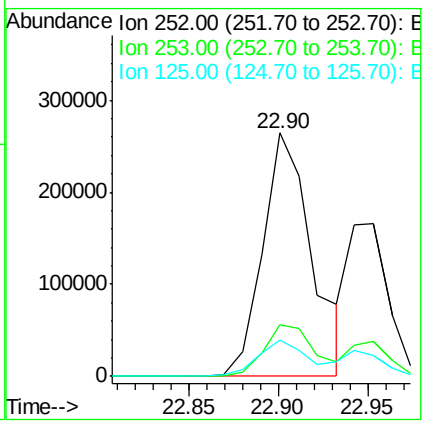


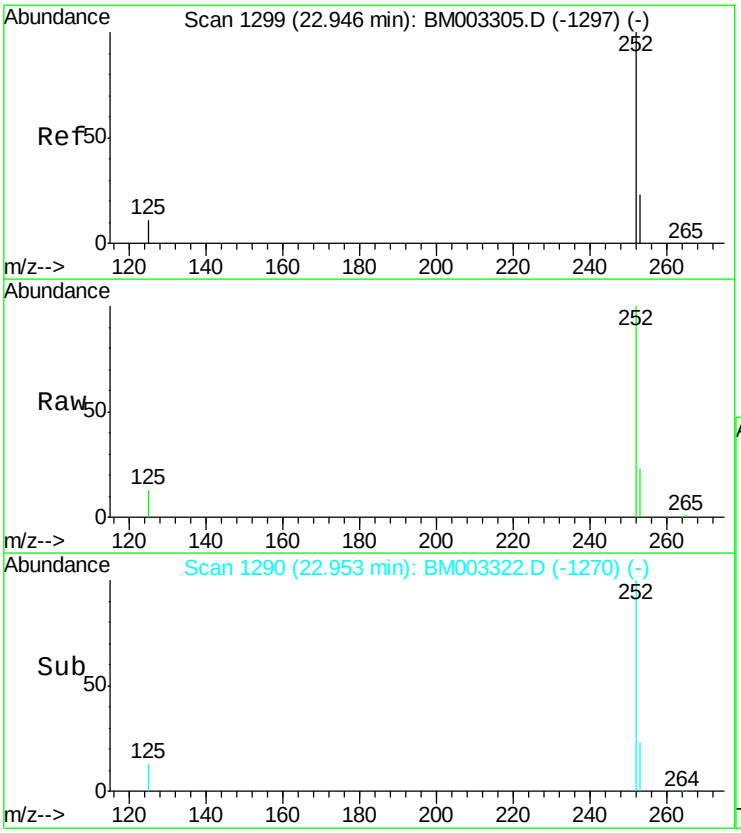
#36
Benzo(b)fluoranthene
Concen: 8.31 ng
RT: 22.90 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:252 Resp: 506334

Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.2	27.4
125	15.0	10.3	15.5

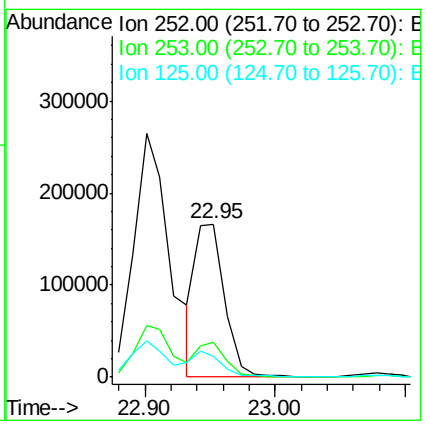


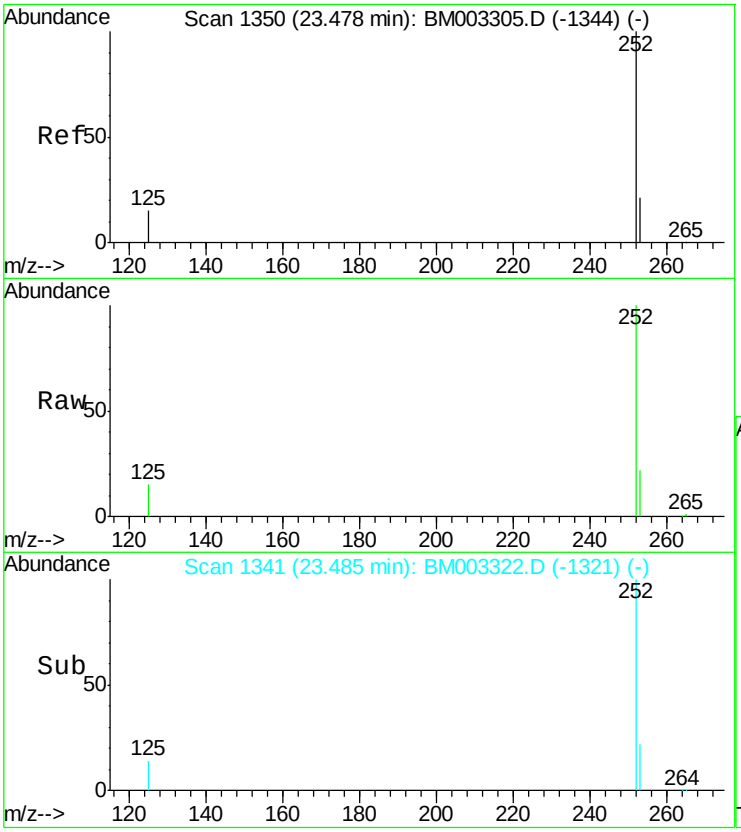


#37
Benzo(k)fluoranthene
Concen: 4.69 ng
RT: 22.95 min Scan# 1290
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:252 Resp: 257139

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	13.5	10.7	16.1



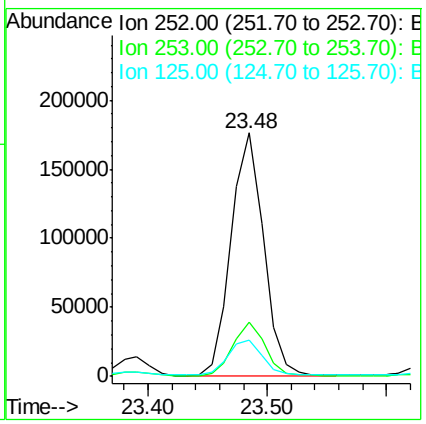


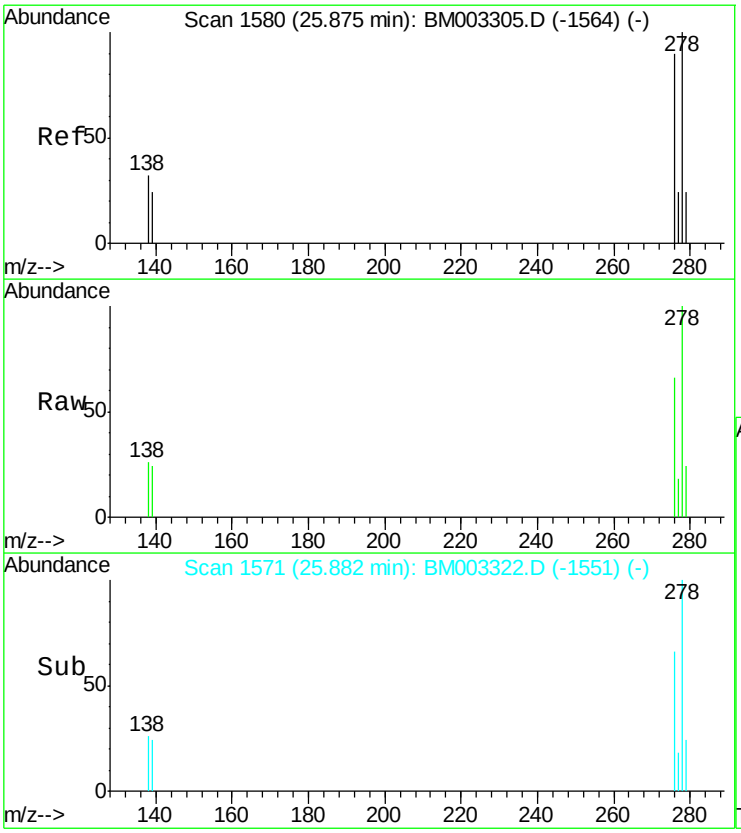
#38
Benzo(a)pyrene
Concen: 6.83 ng
RT: 23.48 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:252 Resp: 331785

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.7	28.1
125	14.7	11.6	17.4

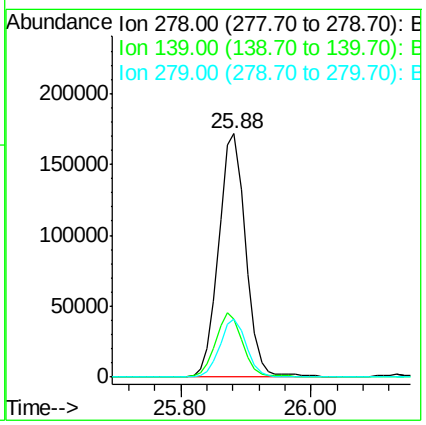


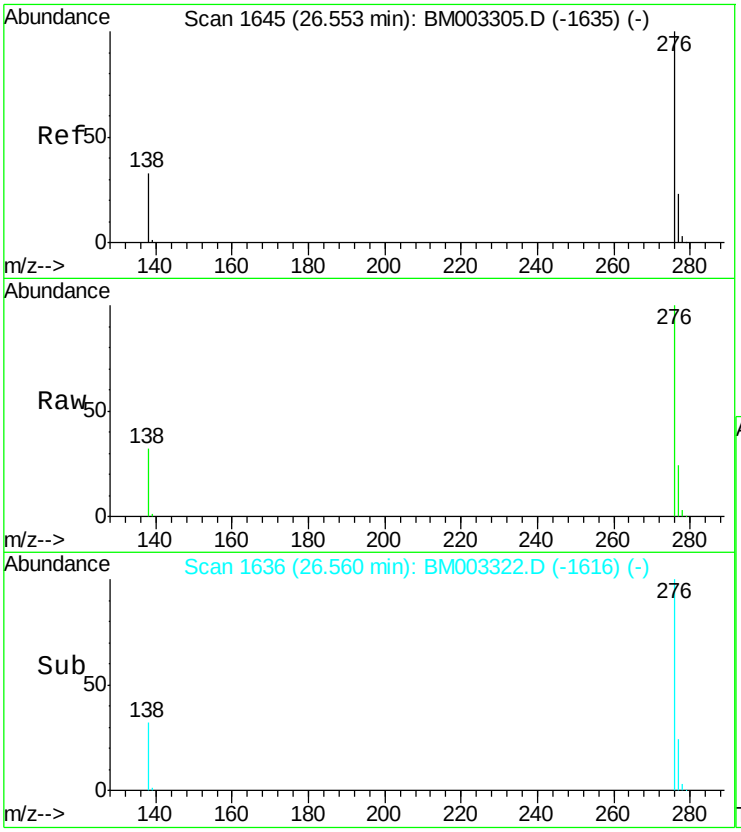


#39
Dibenzo(a,h)anthracene
Concen: 11.64 ng
RT: 25.88 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Tgt Ion:278 Resp: 488852

Ion	Ratio	Lower	Upper
278	100		
139	24.0	18.2	27.4
279	23.8	18.8	28.2





#40
Benzo(g,h,i)perylene
Concen: 3.93 ng
RT: 26.56 min Scan# 1636
Delta R.T. 0.01 min
Lab File: BM003322.D
Acq: 30 Nov 2015 16:32

Instrument :
BNA_M
ClientSampleId :
PT-PAH-SOIL

Tgt Ion:276 Resp: 197909

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	32.0	22.3	33.5