Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002933.D
Acq On : 16 Oct 2015 14:17
Operator : UM/IZ
Sample : PB86139BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB86139BSD

Quant Time: Oct 16 23:01:13 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 22:59:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	80230	5.00	ng		0.00
7) Naphthalene-d8	11.50	136	350210	5.00	ng		0.01
13) Acenaphthene-d10	15.23	164	194615	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	414060	5.00	ng		0.00
26) Chrysene-d12	22.04	240	414343	5.00	ng		0.00
35) Perylene-d12	24.61	264	359102	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.12	112	99396	6.62	ng		-0.03
5) Phenol-d6	7.77	99	136311	7.12	ng		-0.02
8) Nitrobenzene-d5	9.85	82	57540	3.43	ng		0.00
14) 2,4,6-Tribromophenol	16.72	330	45034	5.95	ng		0.00
15) 2-Fluorobiphenyl	13.88	172	200153	3.21	ng		0.00
29) Terphenyl-d14	20.48	244	203702	3.28	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.77	88	20632	2.82	ng		99
3) n-Nitrosodimethylamine	4.14	42	19257	3.38	ng	#	97
6) bis(2-Chloroethyl)ether	8.04	93	60306	3.30	ng		96
9) Nitrobenzene	9.89	77	59227	3.33	ng		99
10) Naphthalene	11.56	128	230817	2.97	ng		99
11) Hexachlorobutadiene	11.80	225	36255	2.89	ng		100
12) 2-Methylnaphthalene	13.12	142	165412	3.16	ng		100
16) Acenaphthylene	14.96	152	285042	3.35	ng		100
17) Acenaphthene	15.30	154	168325	2.89	ng	#	100
18) Fluorene	16.27	166	221105	3.18	ng		99
20) 4-Bromophenyl-phenylether	17.13	248	50695	2.95	ng	#	55
21) Hexachlorobenzene	17.26	284	74664	4.47	ng	#	89
22) Pentachlorophenol	17.62	266	24387	12.57	ng		92
23) Phenanthrene	17.98	178	352605	3.65	ng		97
24) Anthracene	18.08	178	384441	4.18	ng		100
25) Fluoranthene	19.95	202	409026	3.83	ng		100
27) Benzidine	20.11	184	428739	7.02	ng		94
28) Pyrene	20.31	202	441358	3.61	ng		99
30) Benzo(a)anthracene	22.02	228	466213	3.89	ng		95
31) 3,3'-Dichlorobenzidine	21.93	252	158536	3.91	ng		96
32) Chrysene	22.08	228	335791	3.00	ng		96
33) Bis(2-ethylhexyl)phthalate	21.85	149	317688	3.53	ng	#	86
34) Indeno(1,2,3-cd)pyrene	27.29	276	368746	3.20	ng		98
36) Benzo(b)fluoranthene	23.81	252	368547	3.58	ng		99
37) Benzo(k)fluoranthene	23.86	252	364651	3.62	ng		99
38) Benzo(a)pyrene	24.49	252	342186	3.76	ng		98
39) Dibenzo(a,h)anthracene	27.29	278	299291	3.43	ng		99
40) Benzo(g,h,i)perylene	28.14	276	304599	3.34	ng		97

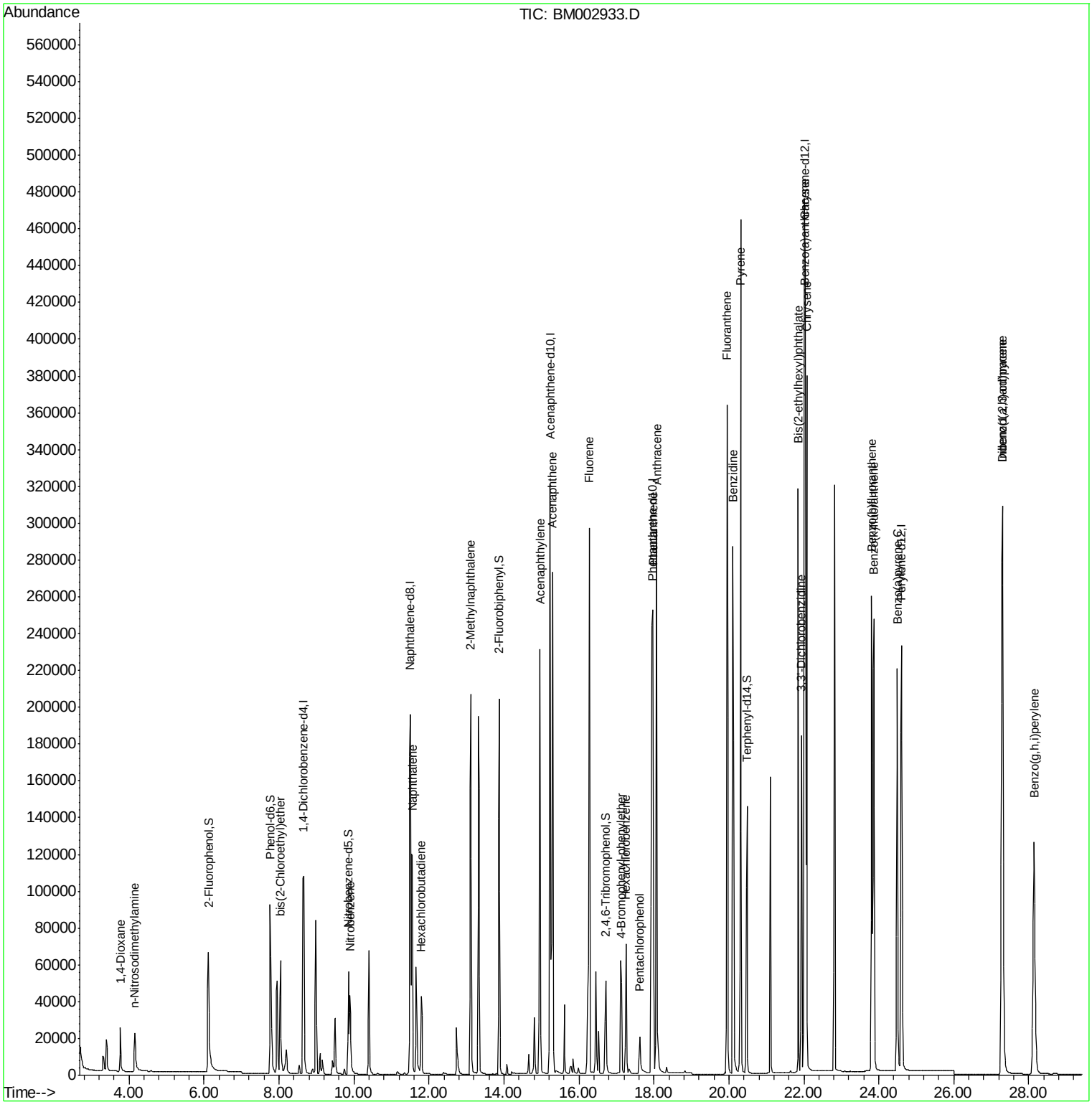
(#) = qualifier out of range (m) = manual integration (+) = signals summed

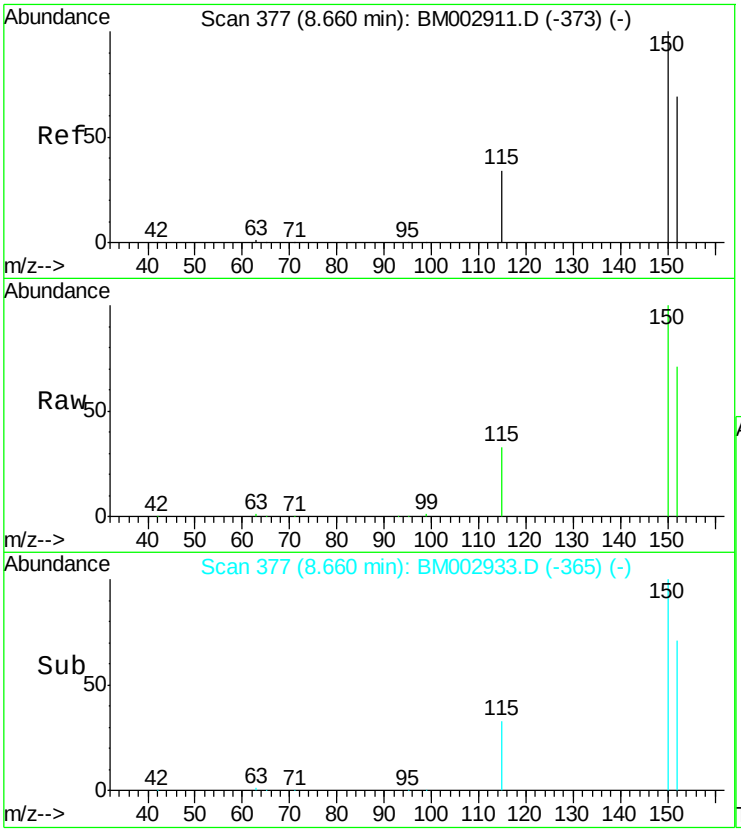
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002933.D
Acq On : 16 Oct 2015 14:17
Operator : UM/IZ
Sample : PB86139BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Quant Time: Oct 16 23:01:13 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 16 22:59:32 2015
Response via : Initial Calibration



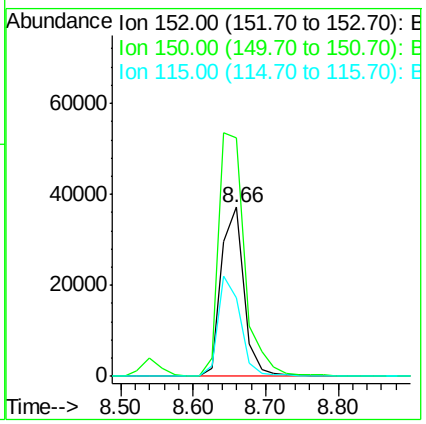


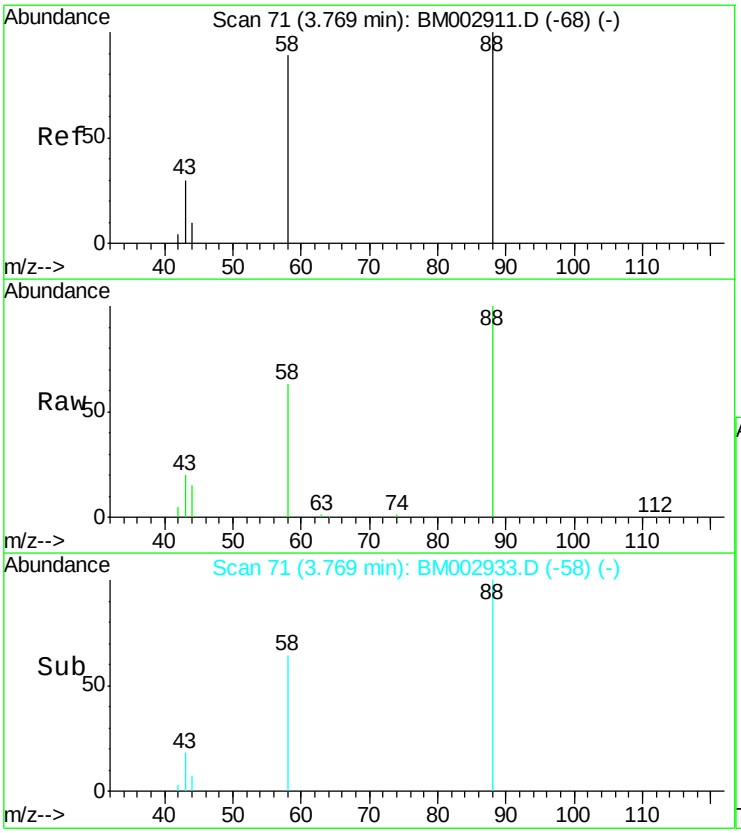
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:152 Resp: 80230

Ion	Ratio	Lower	Upper
152	100		
150	141.0	113.0	169.6
115	46.6	37.9	56.9

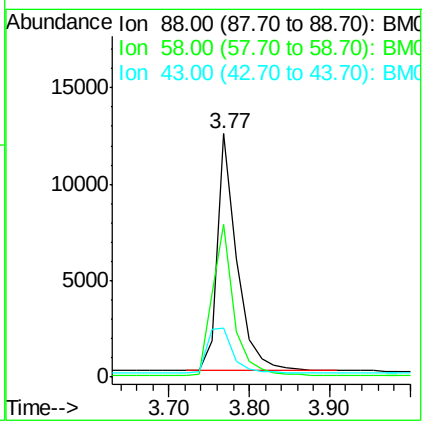


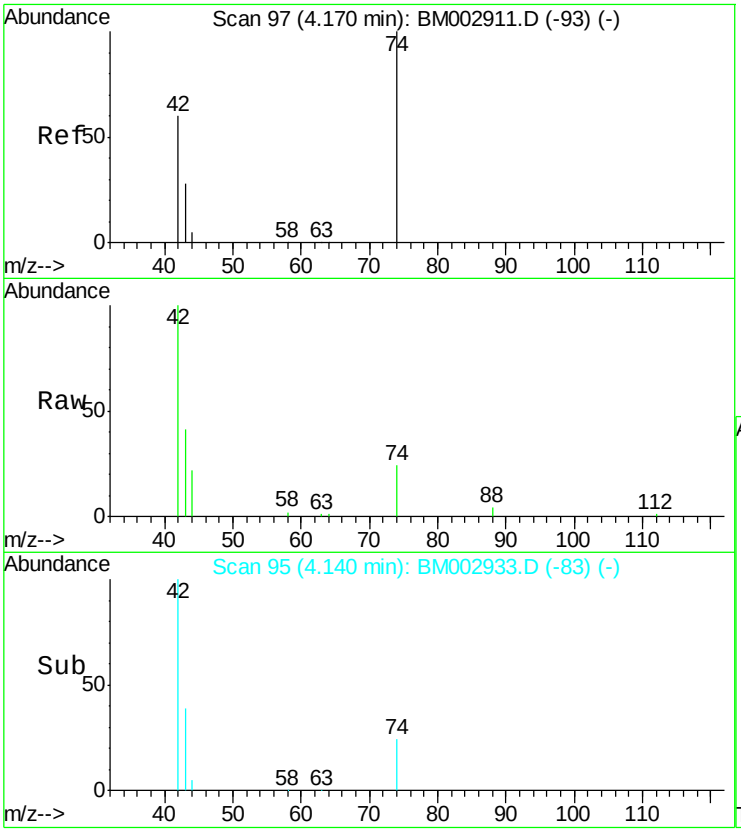


#2
1,4-Dioxane
Concen: 2.82 ng
RT: 3.77 min Scan# 71
Delta R.T. -0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion: 88 Resp: 20632

Ion	Ratio	Lower	Upper
88	100		
58	71.0	56.7	85.1
43	25.9	22.0	33.0



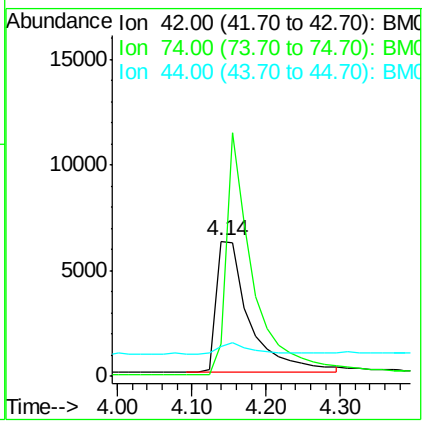


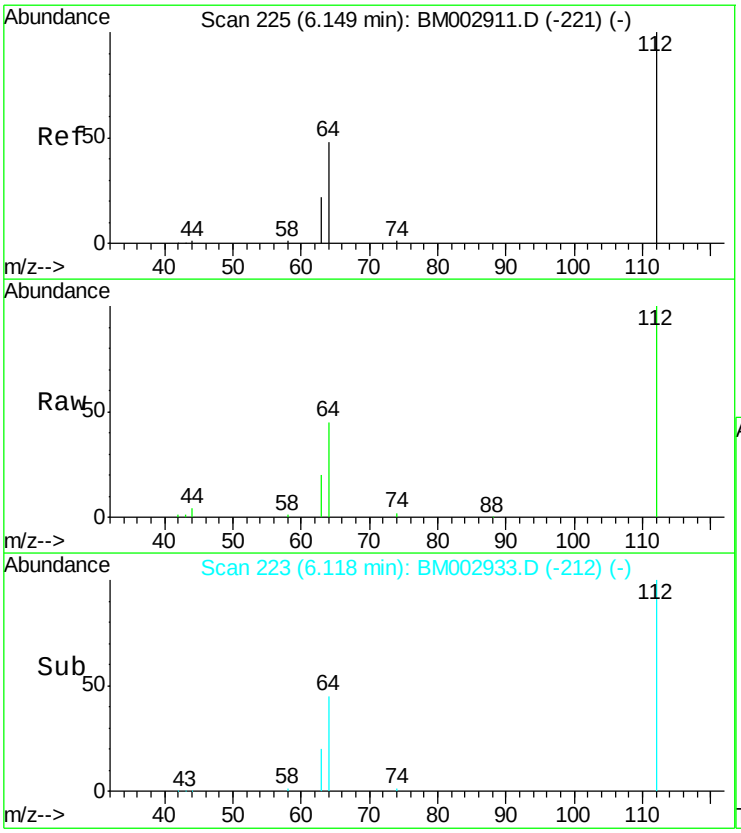
#3
n-Nitrosodimethylamine
Concen: 3.38 ng
RT: 4.14 min Scan# 95
Delta R.T. -0.02 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion: 42 Resp: 19257

Ion	Ratio	Lower	Upper
42	100		
74	147.2	119.7	179.5
44	7.7	9.8	14.6#

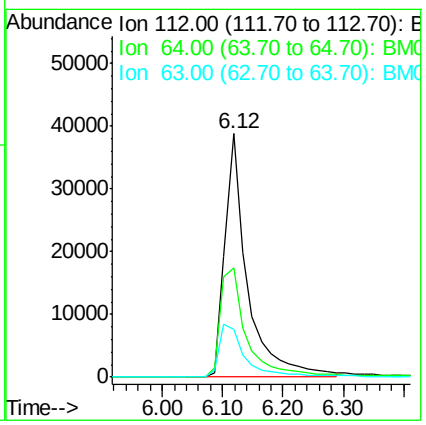


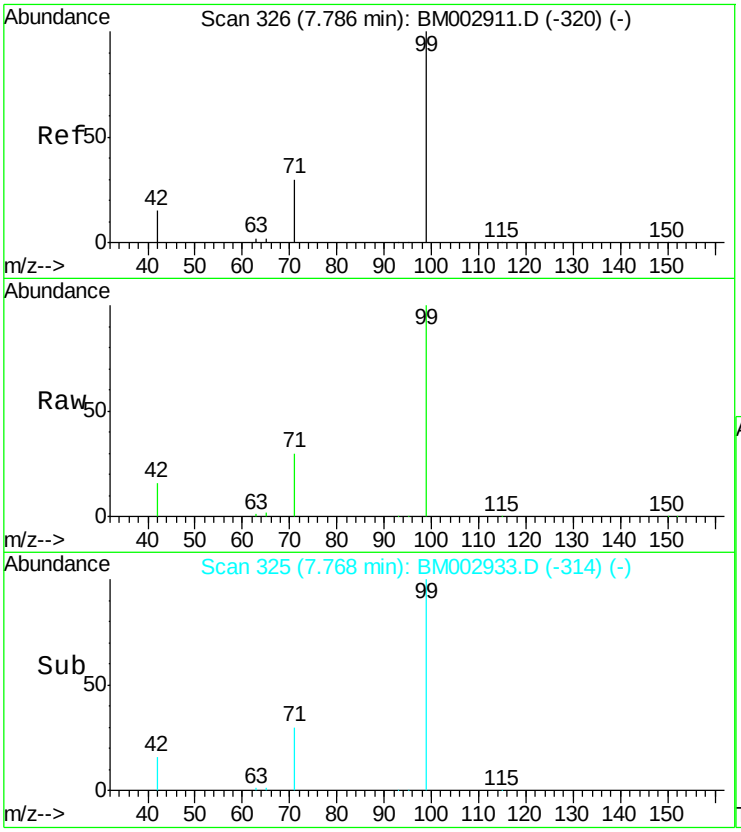


#4
2-Fluorophenol
Concen: 6.62 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:112 Resp: 99396

Ion	Ratio	Lower	Upper
112	100		
64	51.6	42.0	63.0
63	24.6	20.0	30.0



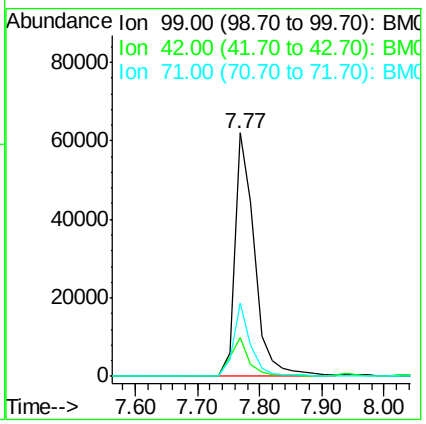


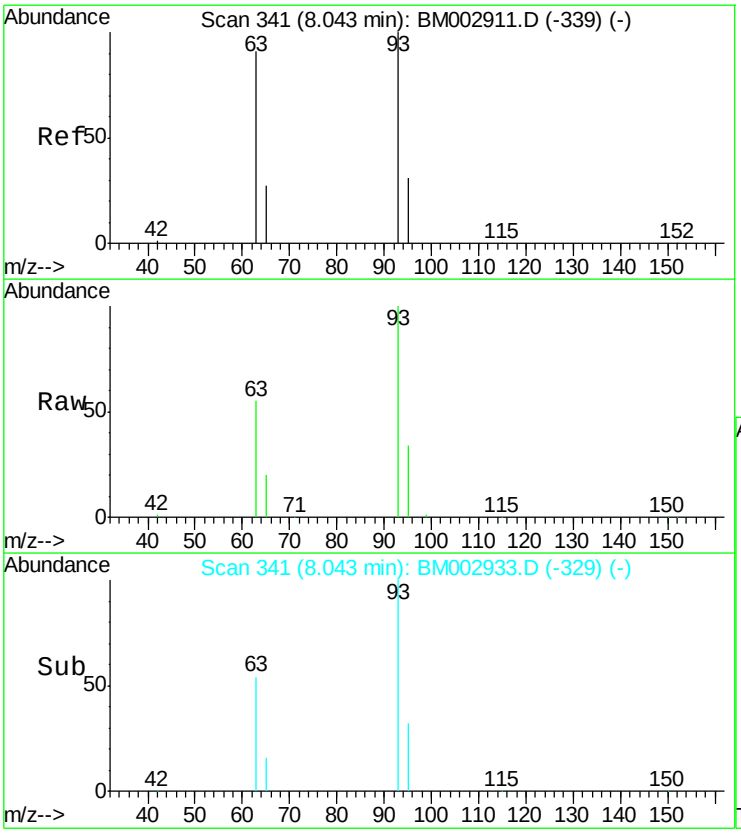
#5
Phenol-d6
Concen: 7.12 ng
RT: 7.77 min Scan# 325
Delta R.T. -0.02 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion: 99 Resp: 136311

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.4	18.6
71	26.5	21.4	32.0

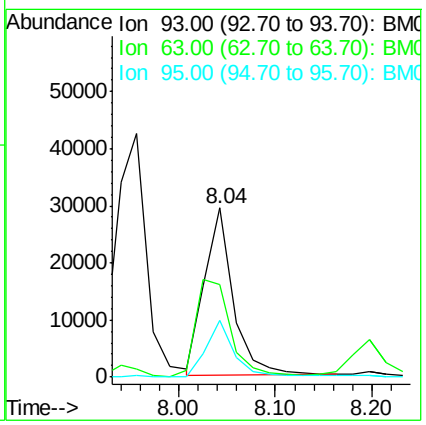


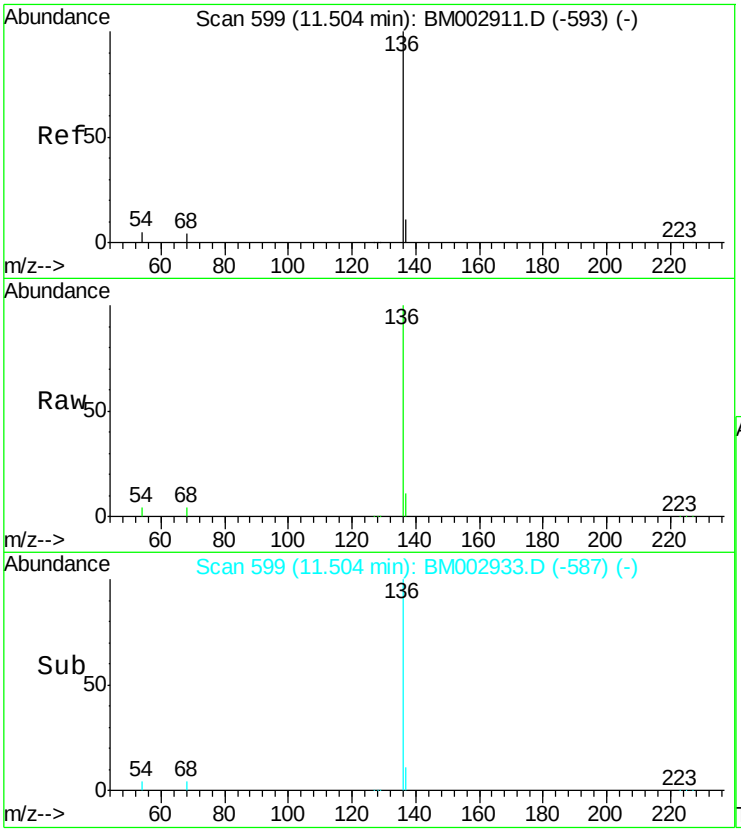


#6
bis(2-Chloroethyl)ether
Concen: 3.30 ng
RT: 8.04 min Scan# 341
Delta R.T. -0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion: 93 Resp: 60306

Ion	Ratio	Lower	Upper
93	100		
63	70.0	52.9	79.3
95	32.7	25.2	37.8



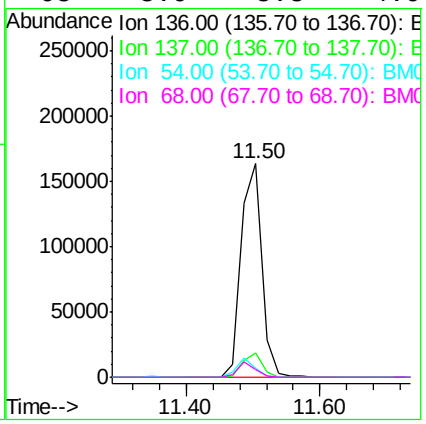


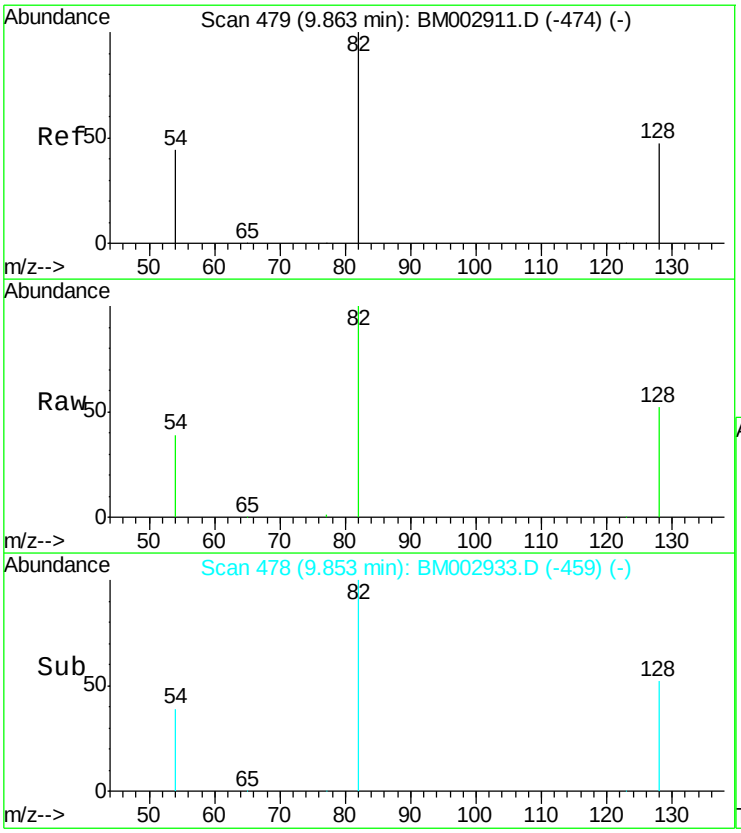
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.50 min Scan# 599
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:136 Resp: 350210

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	4.1	3.5	5.3
68	3.9	3.3	4.9

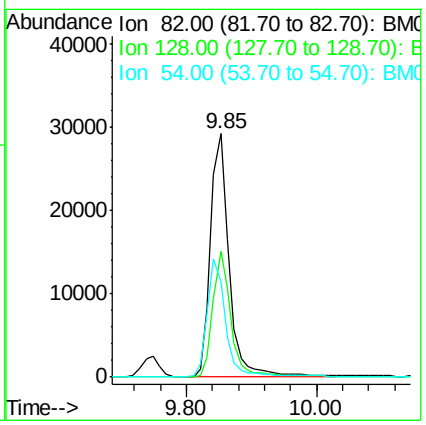


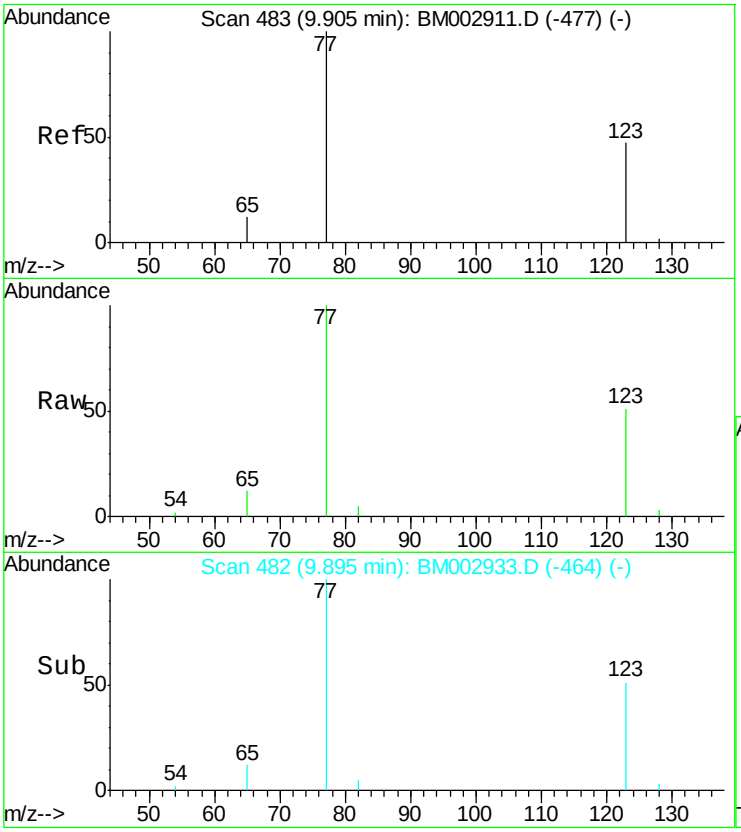


#8
Nitrobenzene-d5
Concen: 3.43 ng
RT: 9.85 min Scan# 478
Delta R.T. -0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion: 82 Resp: 57540

Ion	Ratio	Lower	Upper
82	100		
128	51.7	34.1	51.1#
54	39.3	42.6	63.8#



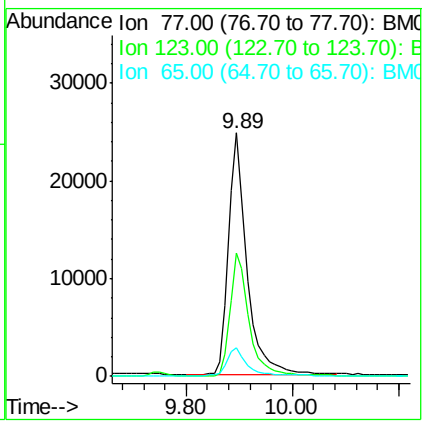


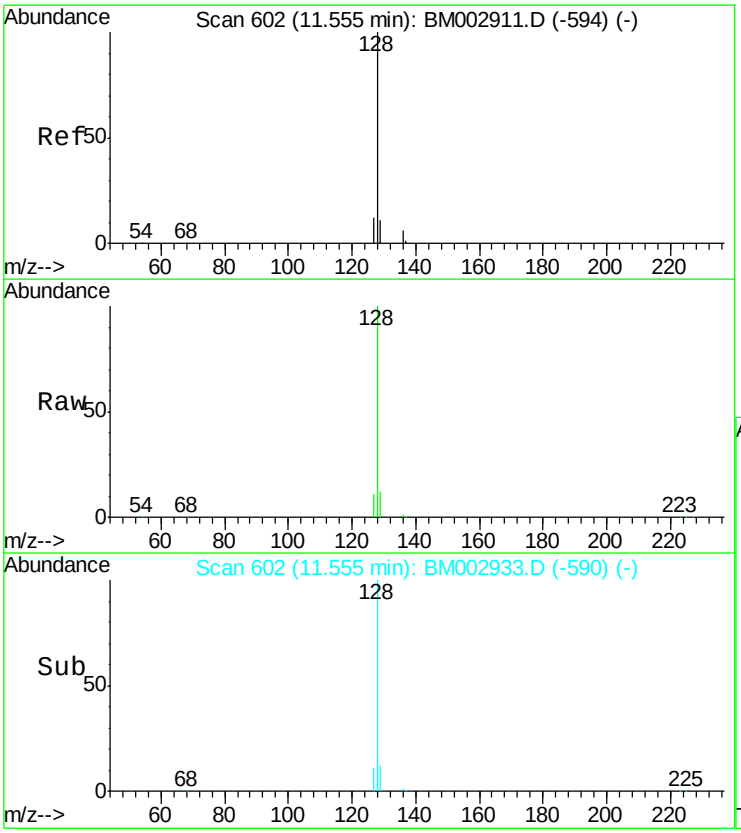
#9
Nitrobenzene
Concen: 3.33 ng
RT: 9.89 min Scan# 482
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion: 77 Resp: 59227

Ion	Ratio	Lower	Upper
77	100		
123	52.2	41.0	61.4
65	12.1	9.7	14.5

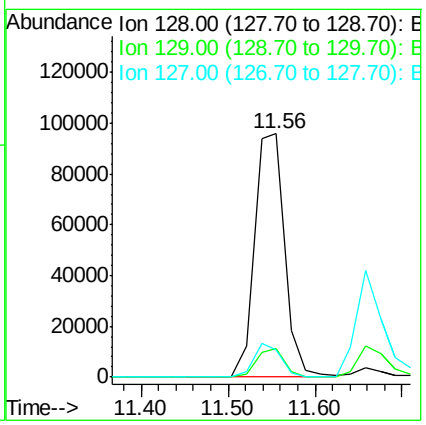


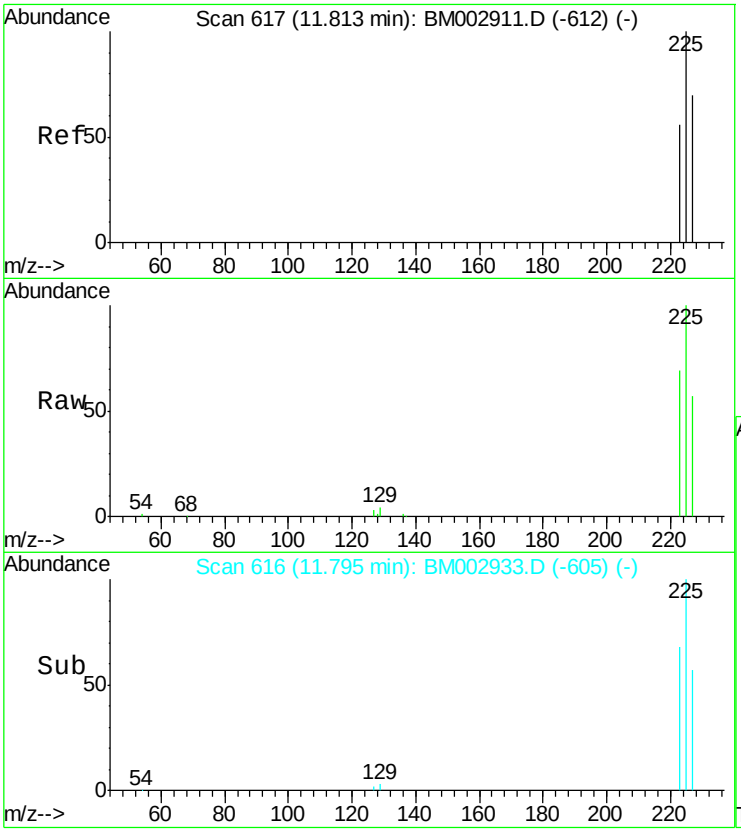


#10
Naphthalene
Concen: 2.97 ng
RT: 11.56 min Scan# 602
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:128 Resp: 230817

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	11.5	9.6	14.4



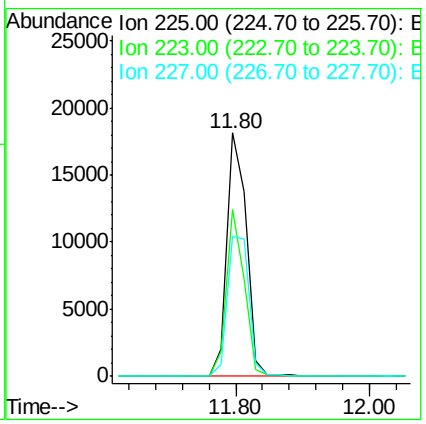


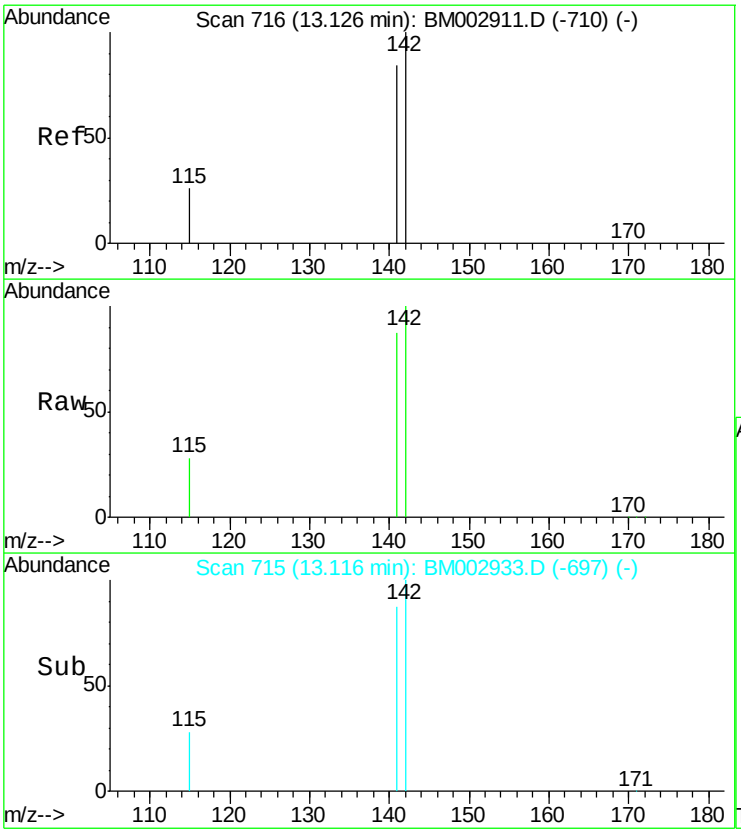
#11
Hexachlorobutadiene
Concen: 2.89 ng
RT: 11.80 min Scan# 616
Delta R.T. -0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:225 Resp: 36255

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.1	75.1
227	64.1	51.2	76.8

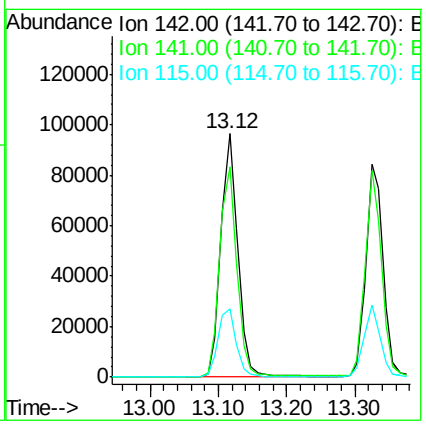


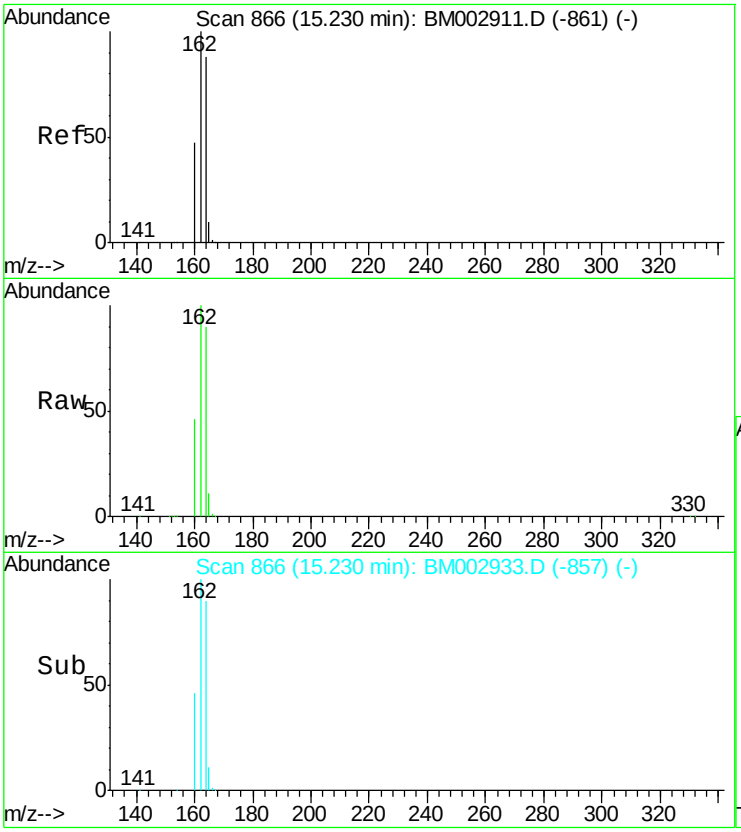


#12
2-Methylnaphthalene
Concen: 3.16 ng
RT: 13.12 min Scan# 715
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:142 Resp: 165412

Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.4	104.0
115	27.9	22.7	34.1



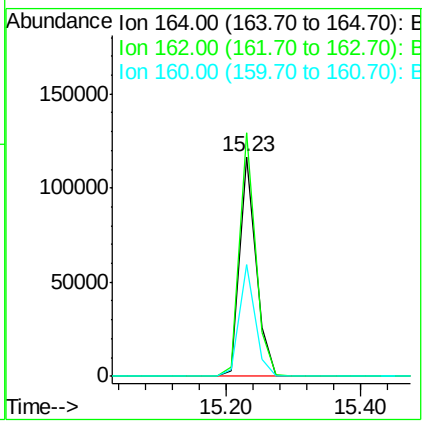


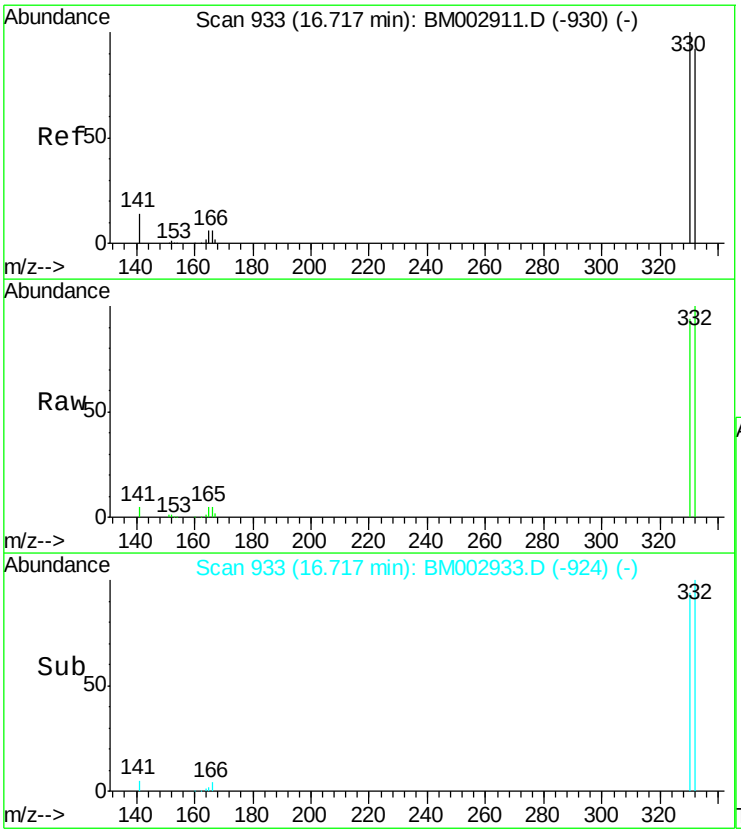
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 866
Delta R.T. 0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:164 Resp: 194615

Ion	Ratio	Lower	Upper
164	100		
162	111.0	79.6	119.4
160	51.1	33.1	49.7#

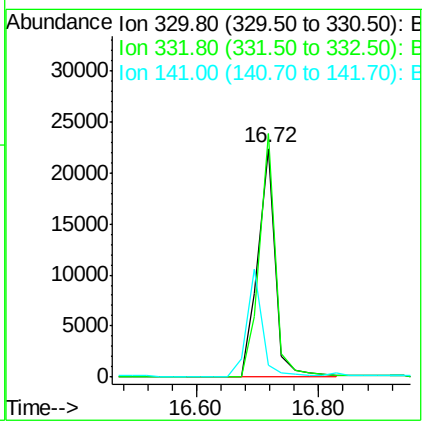


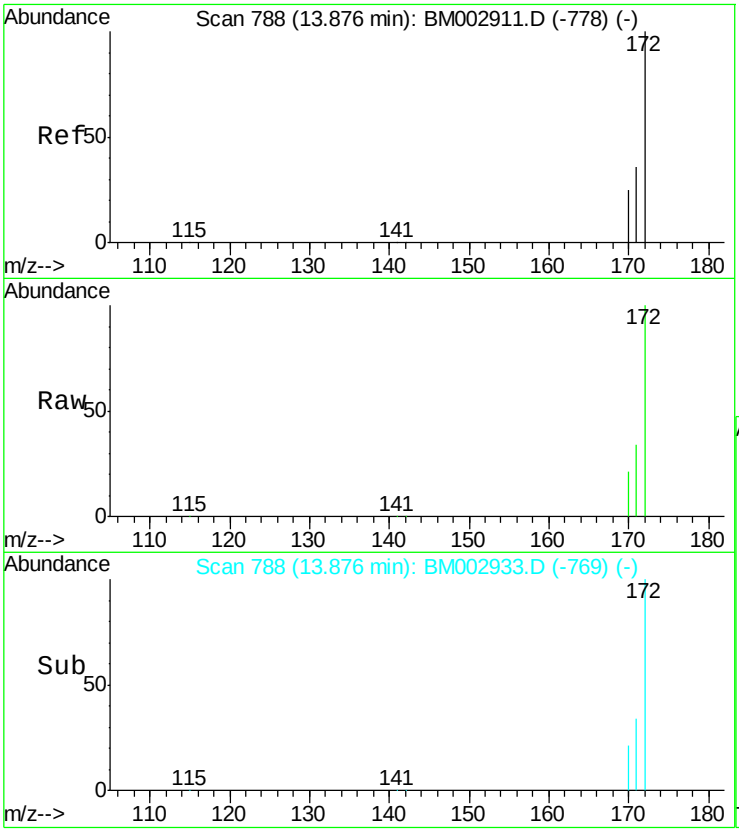


#14
2,4,6-Tribromophenol
Concen: 5.95 ng
RT: 16.72 min Scan# 933
Delta R.T. 0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:330 Resp: 45034

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.6	115.0
141	0.0	0.0	0.0



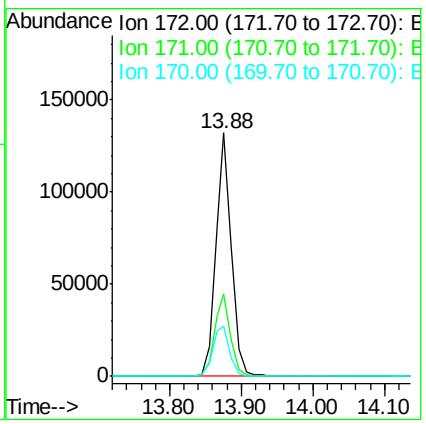


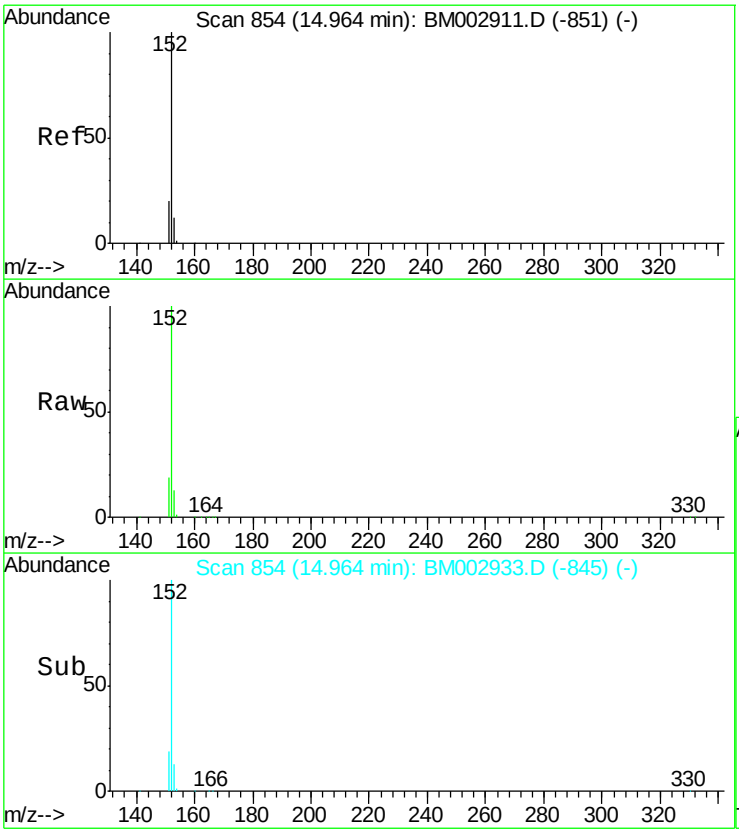
#15
2-Fluorobiphenyl
Concen: 3.21 ng
RT: 13.88 min Scan# 788
Delta R.T. 0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:172 Resp: 200153

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.1	39.1
170	20.8	15.7	23.5

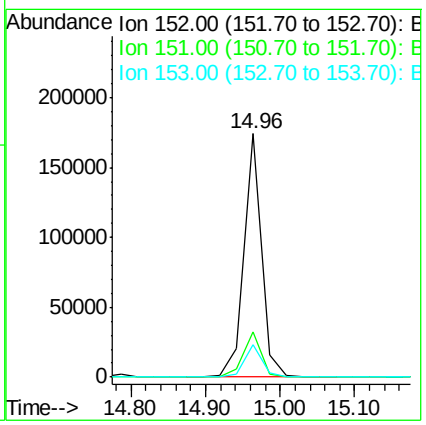


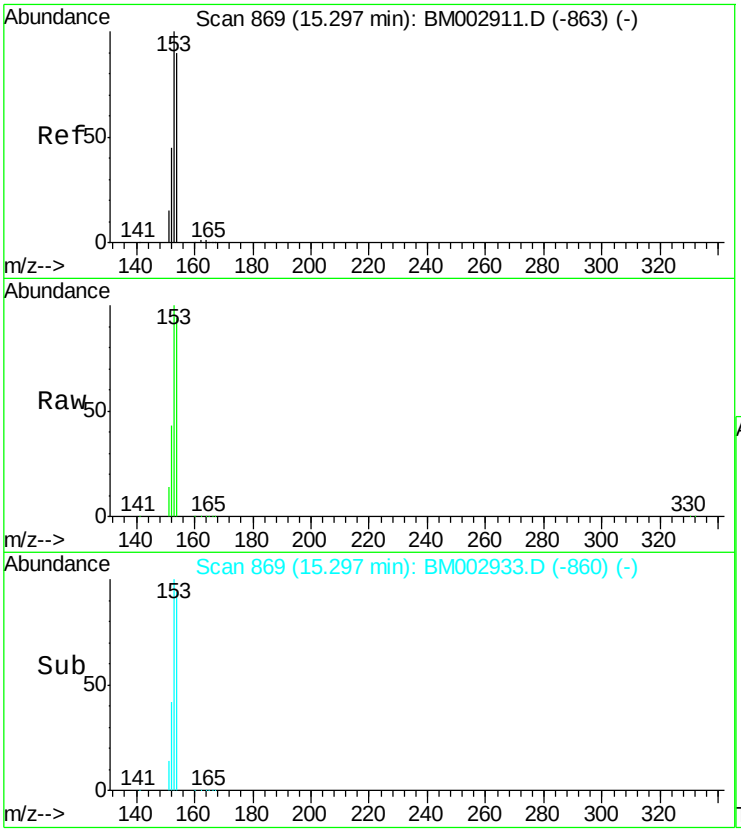


#16
Acenaphthylene
Concen: 3.35 ng
RT: 14.96 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:152 Resp: 285042

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.3	22.9
153	13.0	10.5	15.7



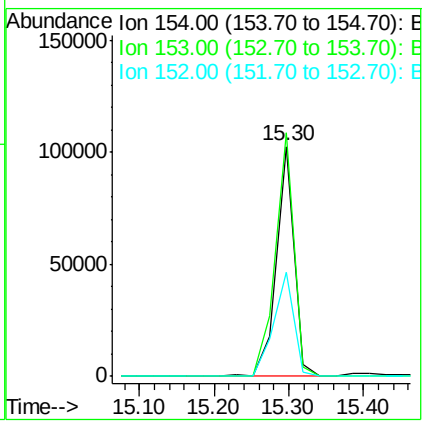


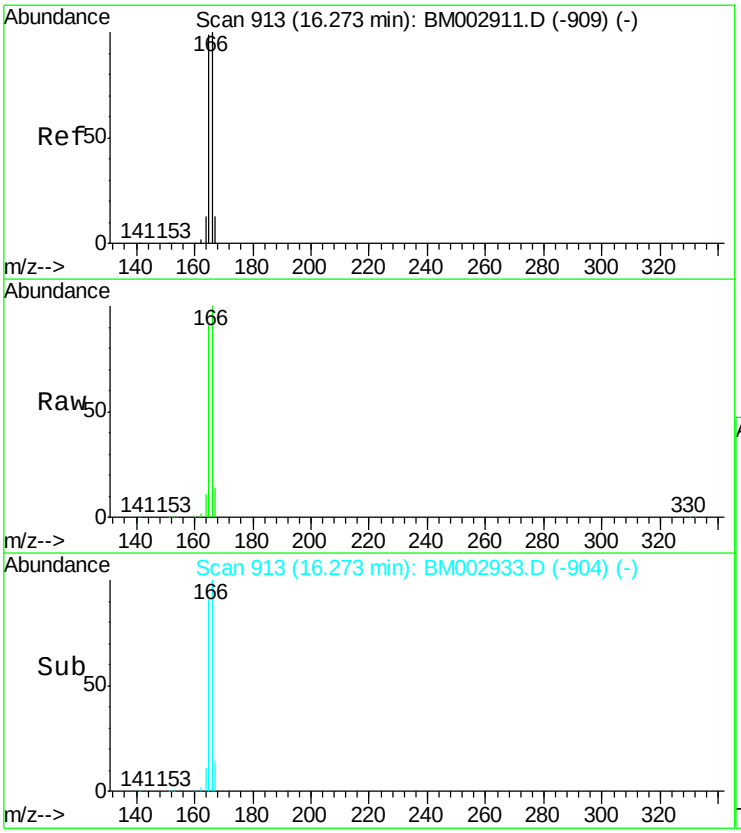
#17
Acenaphthene
Concen: 2.89 ng
RT: 15.30 min Scan# 869
Delta R.T. 0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:154 Resp: 168325

Ion	Ratio	Lower	Upper
154	100		
153	111.0	0.0	0.0#
152	51.0	0.0	0.0#

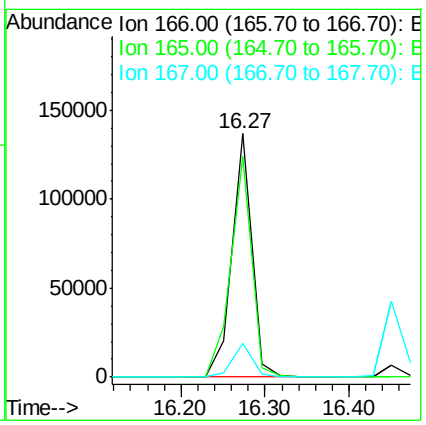


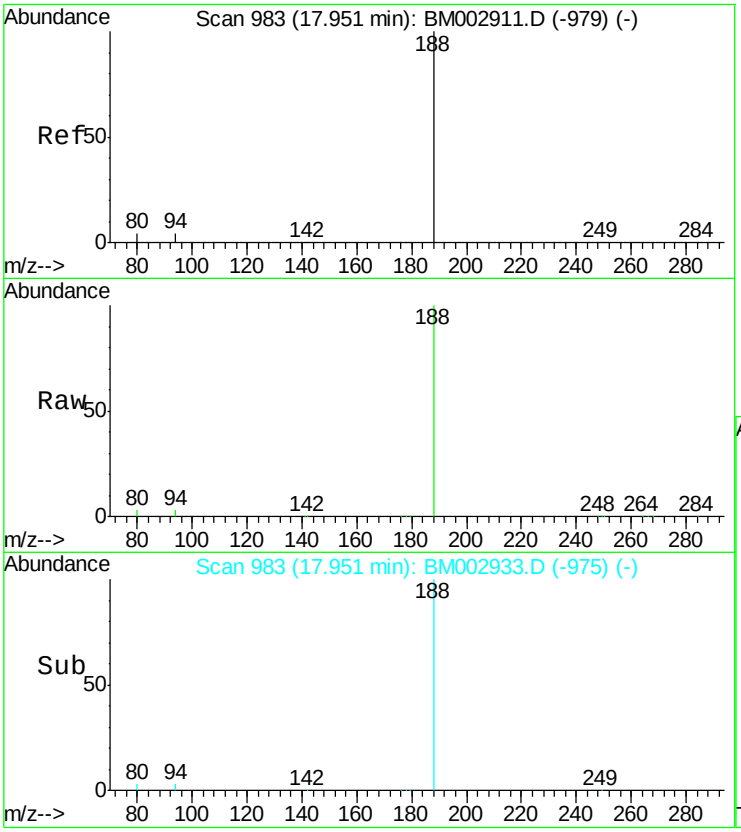


#18
Fluorene
Concen: 3.18 ng
RT: 16.27 min Scan# 913
Delta R.T. 0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:166 Resp: 221105

Ion	Ratio	Lower	Upper
166	100		
165	95.7	77.3	115.9
167	13.5	10.9	16.3



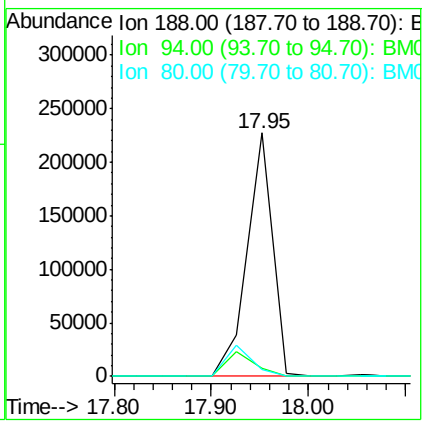


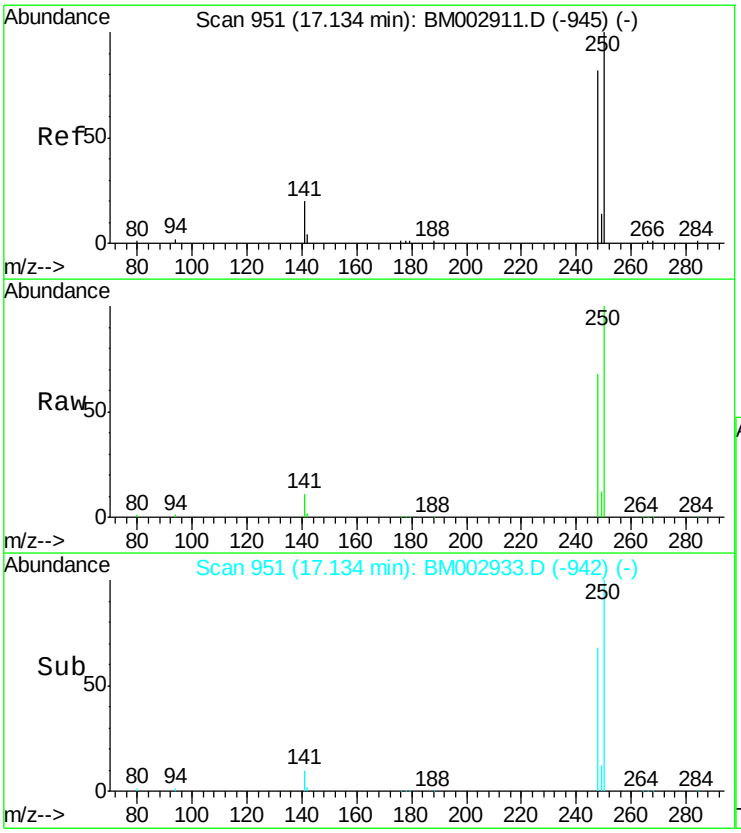
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:188 Resp: 414060

Ion	Ratio	Lower	Upper
188	100		
94	3.4	15.2	22.8#
80	2.8	15.9	23.9#

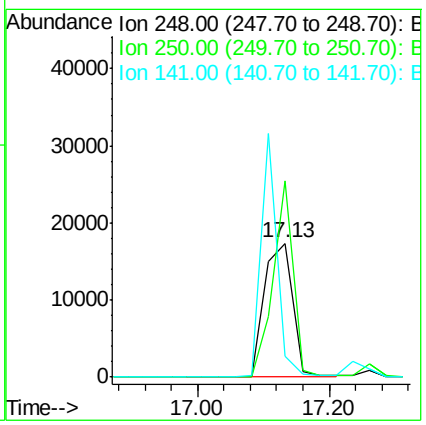


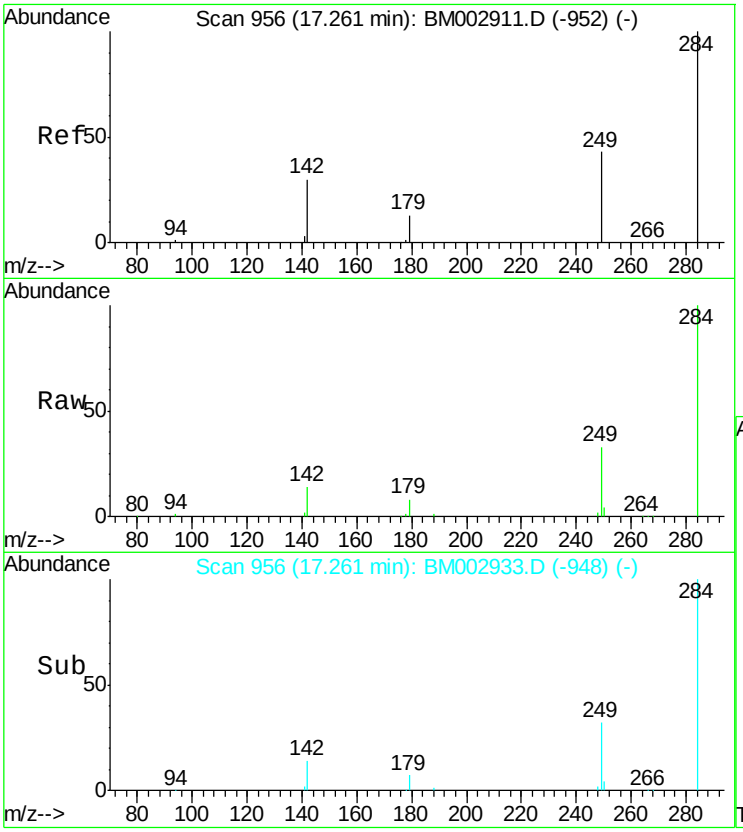


#20
4-Bromophenyl-phenylether
Concen: 2.95 ng
RT: 17.13 min Scan# 951
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:248 Resp: 50695

Ion	Ratio	Lower	Upper
248	100		
250	103.8	71.4	107.2
141	0.0	54.6	82.0#



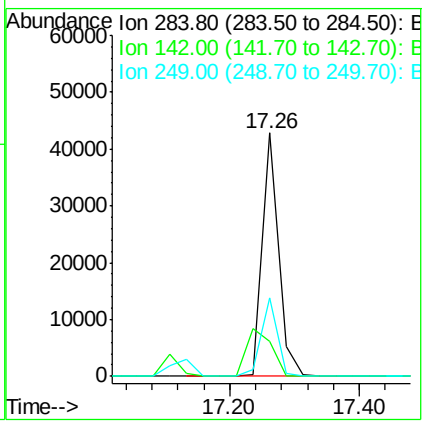


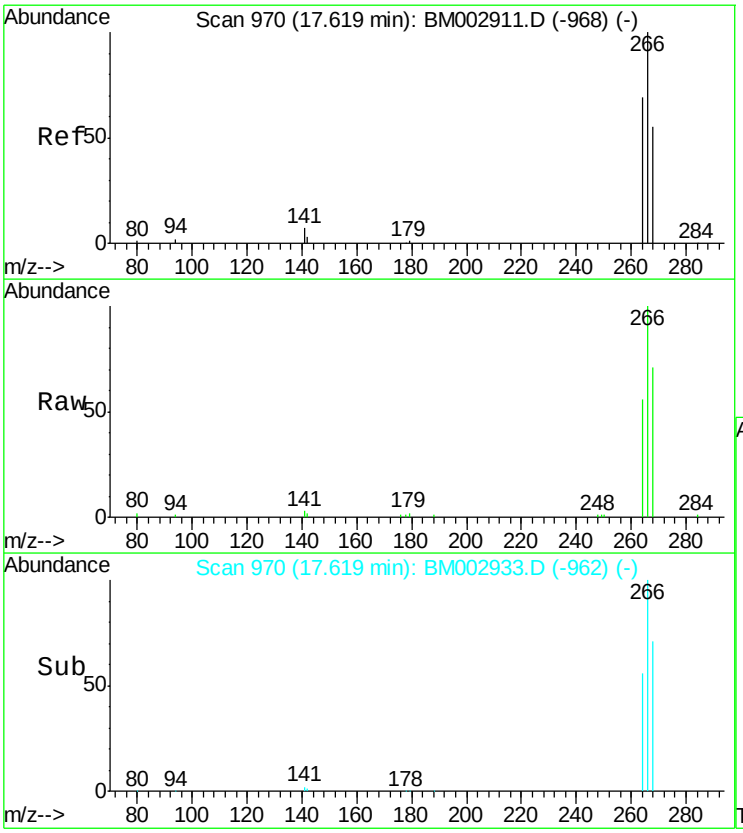
#21
Hexachlorobenzene
Concen: 4.47 ng
RT: 17.26 min Scan# 956
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:284 Resp: 74664

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	31.2	20.7	31.1#

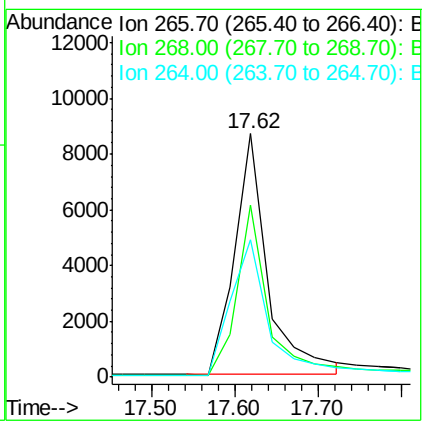


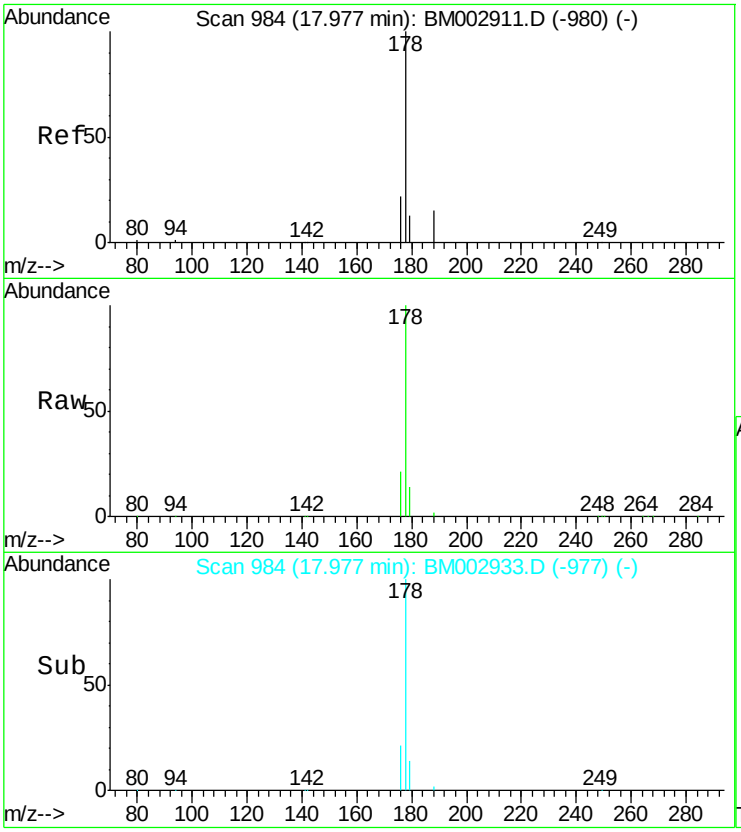


#22
Pentachlorophenol
Concen: 12.57 ng
RT: 17.62 min Scan# 970
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:266 Resp: 24387

Ion	Ratio	Lower	Upper
266	100		
268	70.8	58.3	87.5
264	56.5	54.2	81.2



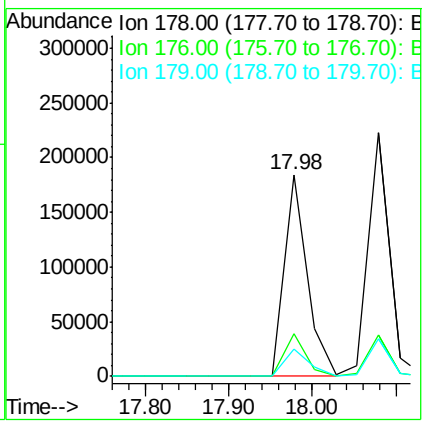


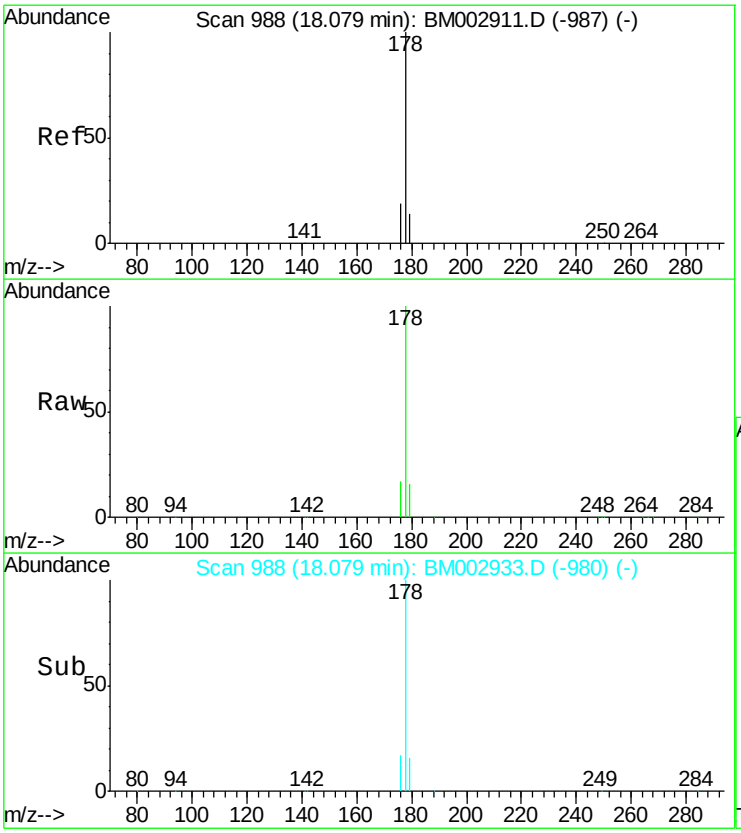
#23
Phenanthrene
Concen: 3.65 ng
RT: 17.98 min Scan# 984
Delta R.T. -0.02 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:178 Resp: 352605

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.6	21.8
179	14.8	12.5	18.7

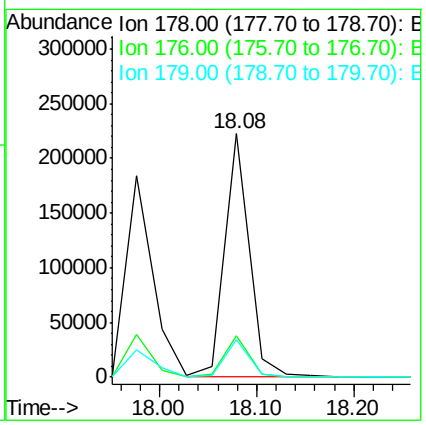


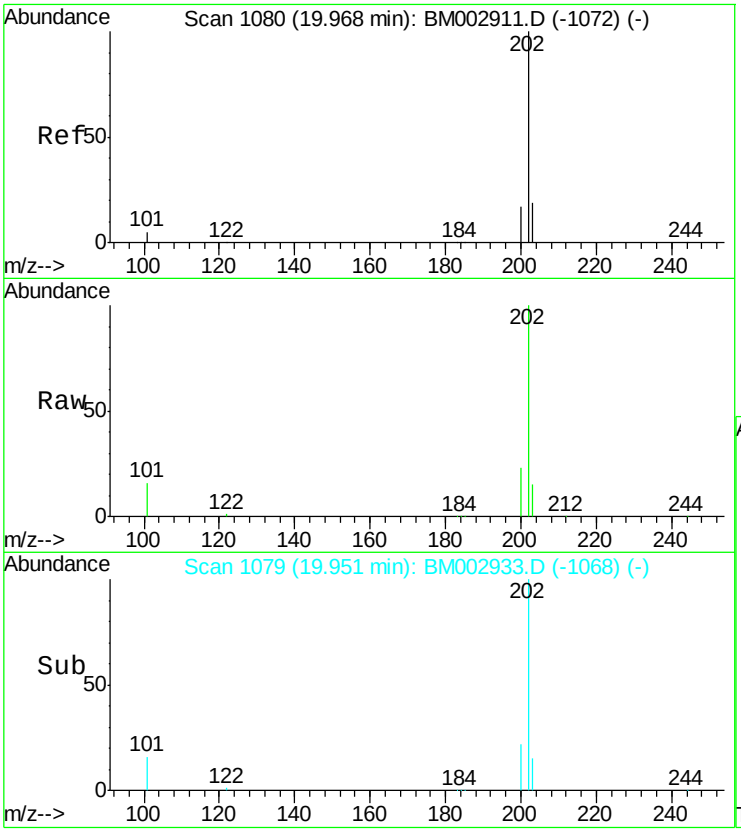


#24
Anthracene
Concen: 4.18 ng
RT: 18.08 min Scan# 988
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:178 Resp: 384441

Ion	Ratio	Lower	Upper
178	100		
176	17.4	13.9	20.9
179	15.5	12.6	18.8



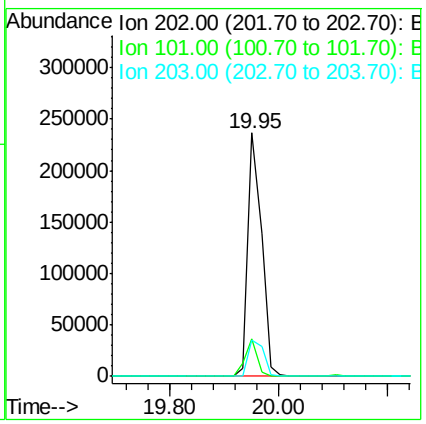


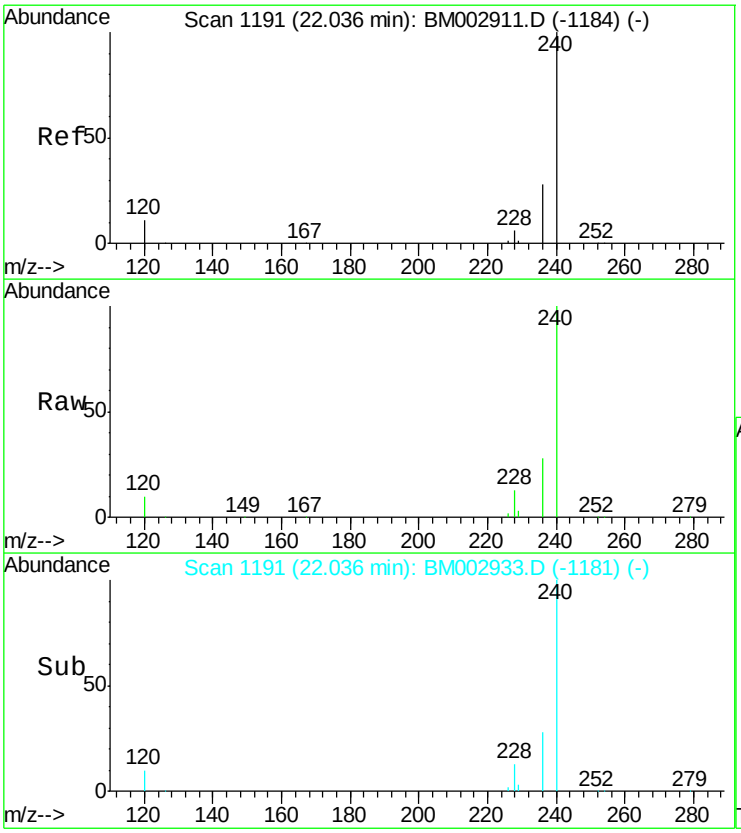
#25
Fluoranthene
Concen: 3.83 ng
RT: 19.95 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:202 Resp: 409026

Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.0	16.6
203	17.2	13.8	20.6

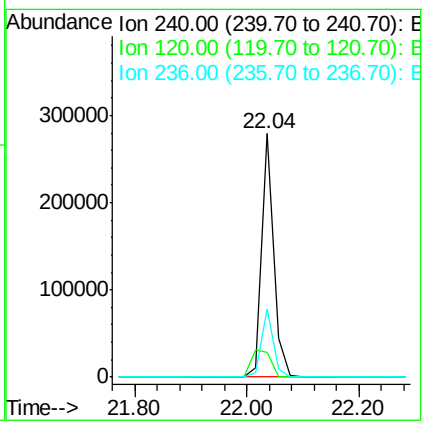


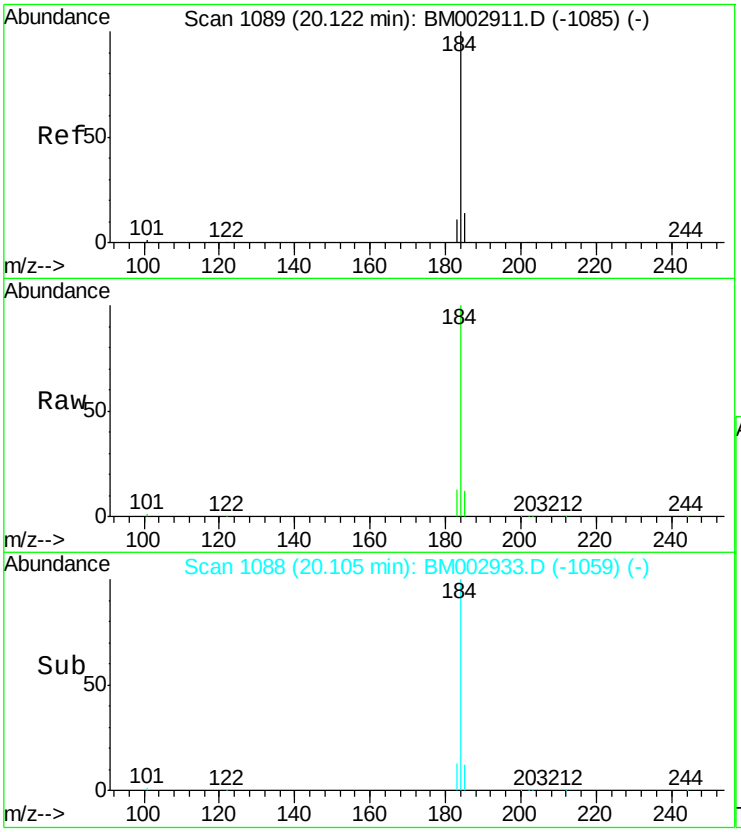


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.04 min Scan# 1191
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:240 Resp: 414343

Ion	Ratio	Lower	Upper
240	100		
120	10.0	3.3	4.9#
236	28.3	19.5	29.3



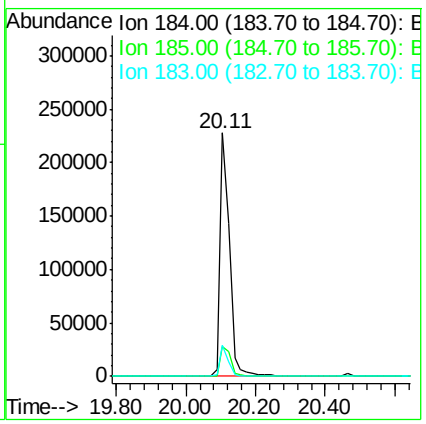


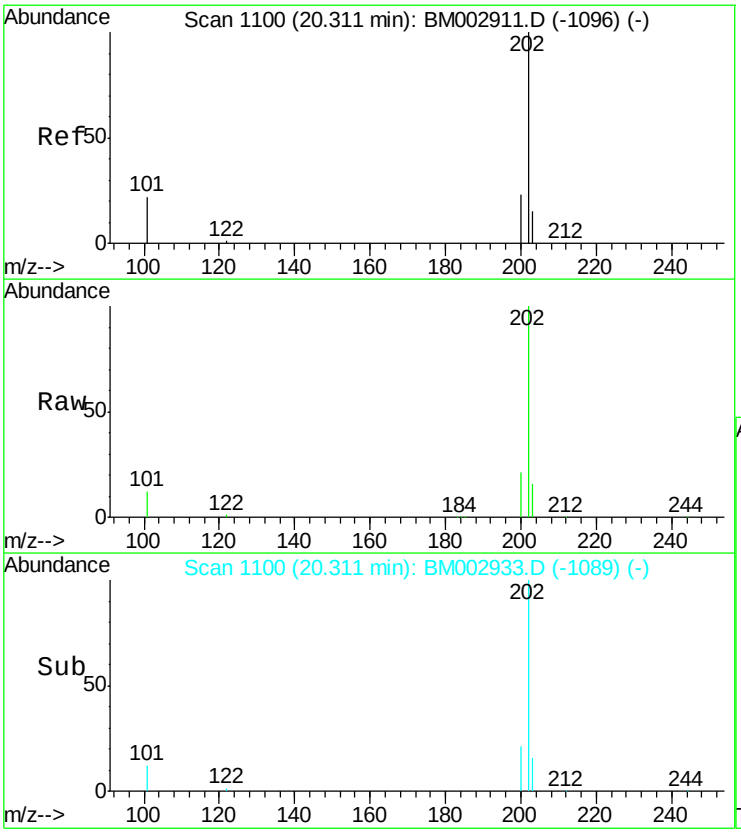
#27
Benzidine
Concen: 7.02 ng
RT: 20.11 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:184 Resp: 428739

Ion	Ratio	Lower	Upper
184	100		
185	12.1	12.0	18.0
183	12.9	8.9	13.3

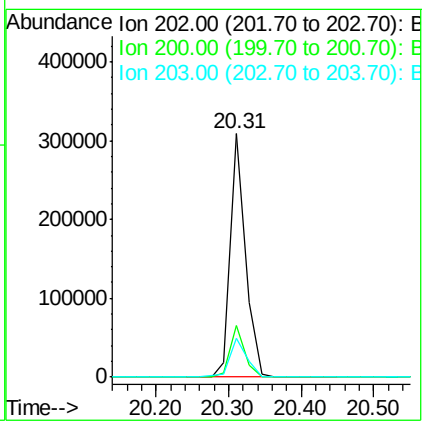


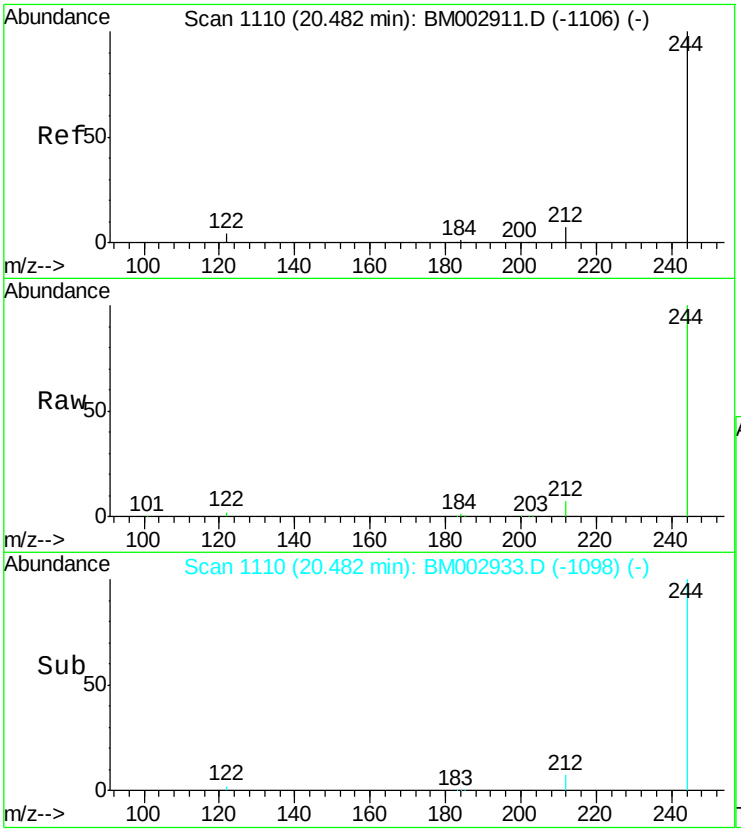


#28
Pyrene
Concen: 3.61 ng
RT: 20.31 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:202 Resp: 441358

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	17.6	13.8	20.8



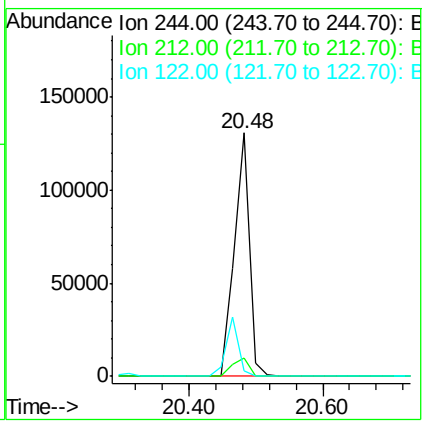


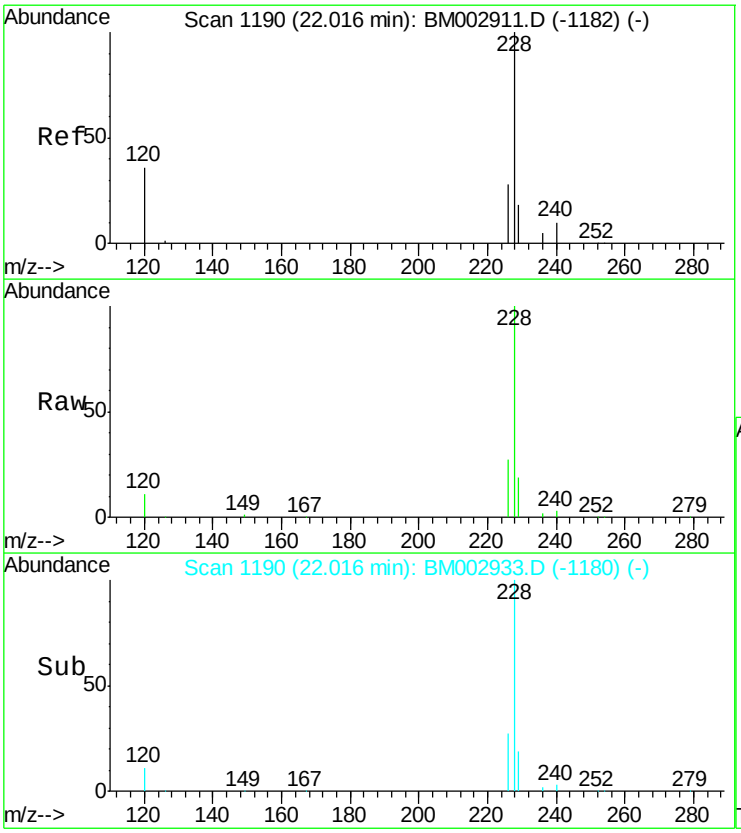
#29
Terphenyl-d14
Concen: 3.28 ng
RT: 20.48 min Scan# 1110
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:244 Resp: 203702

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	2.5	2.2	3.2

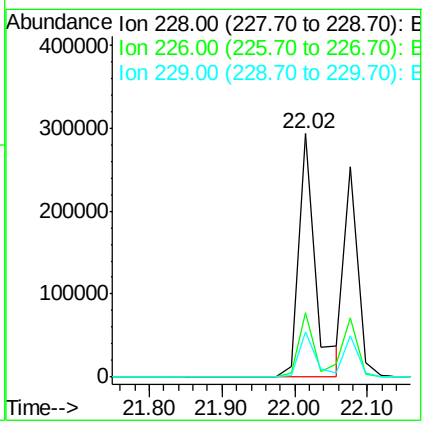


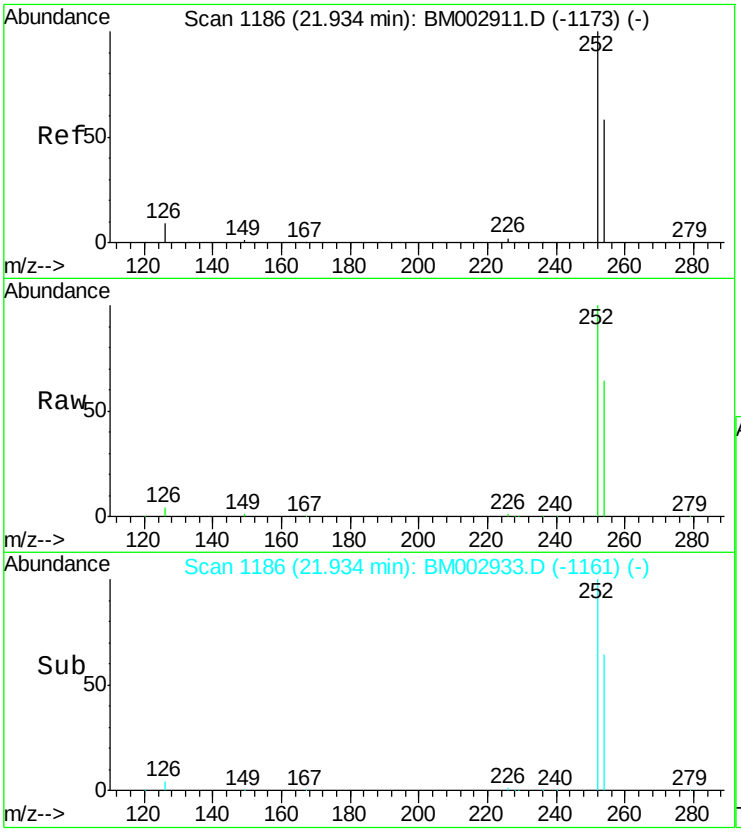


#30
Benzo(a)anthracene
Concen: 3.89 ng
RT: 22.02 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:228 Resp: 466213

Ion	Ratio	Lower	Upper
228	100		
226	26.6	19.0	28.6
229	18.8	16.8	25.2



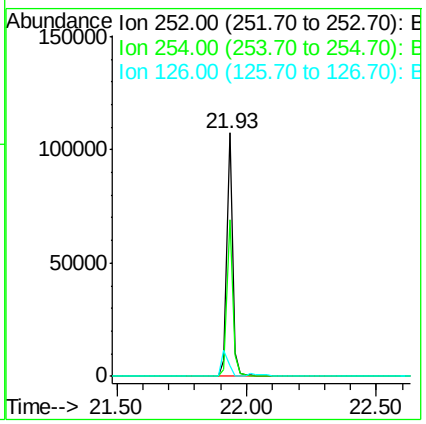


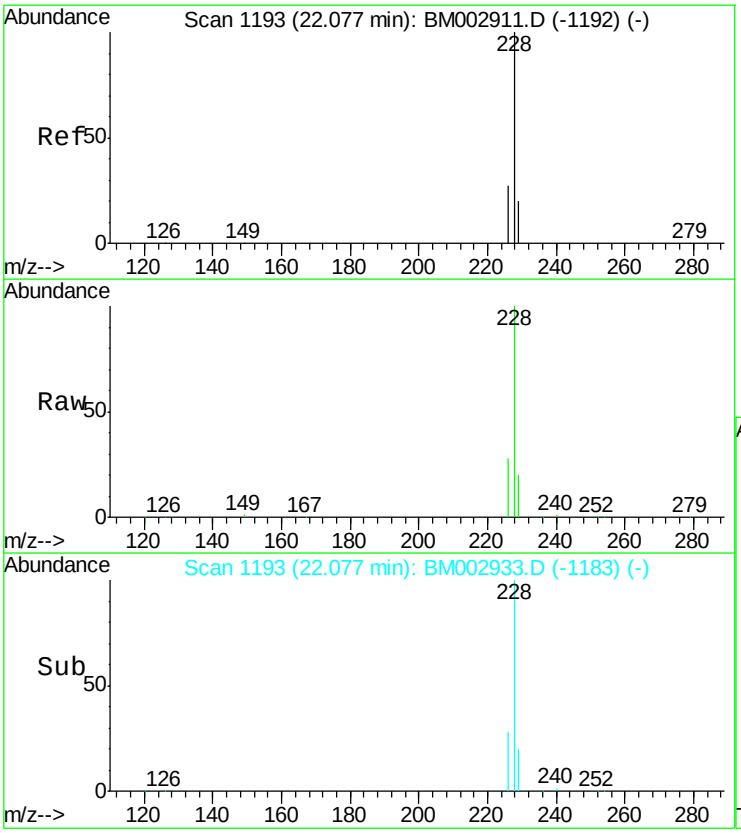
#31
3,3'-Dichlorobenzidine
Concen: 3.91 ng
RT: 21.93 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:252 Resp: 158536

Ion	Ratio	Lower	Upper
252	100		
254	64.2	54.1	81.1
126	4.3	4.1	6.1

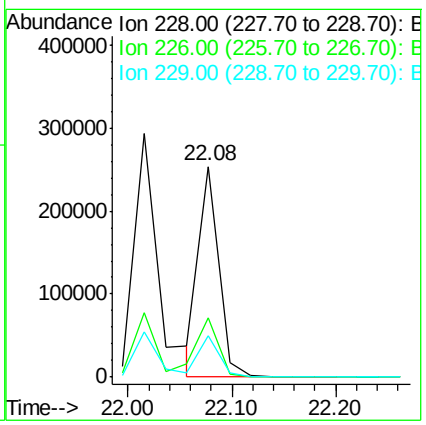


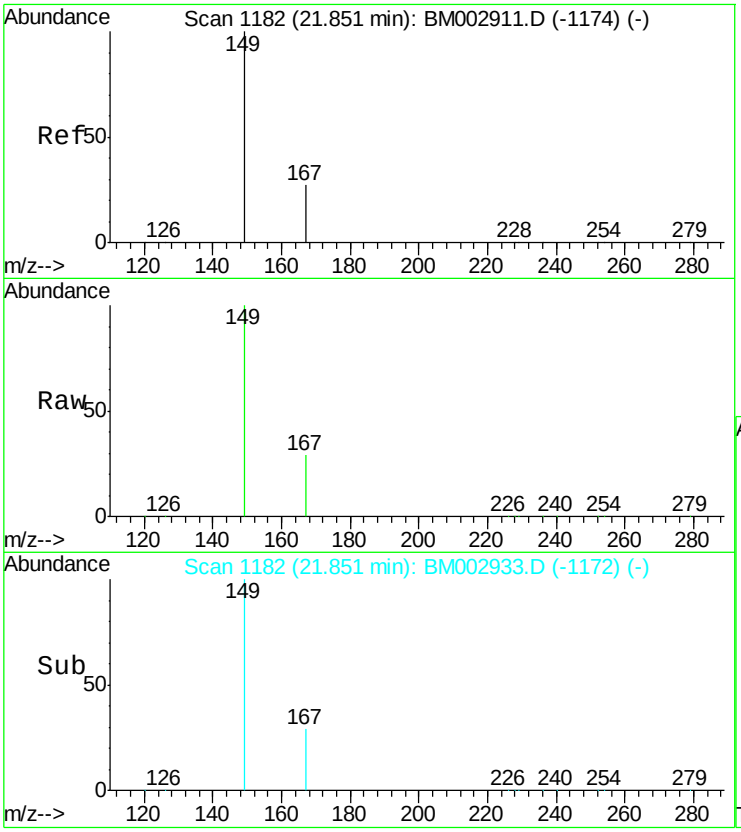


#32
Chrysene
Concen: 3.00 ng
RT: 22.08 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:228 Resp: 335791

Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.6	30.8
229	19.8	17.4	26.2



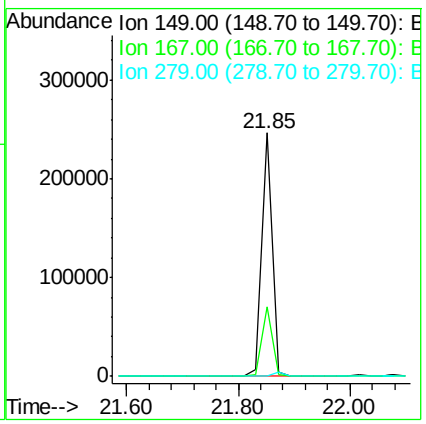


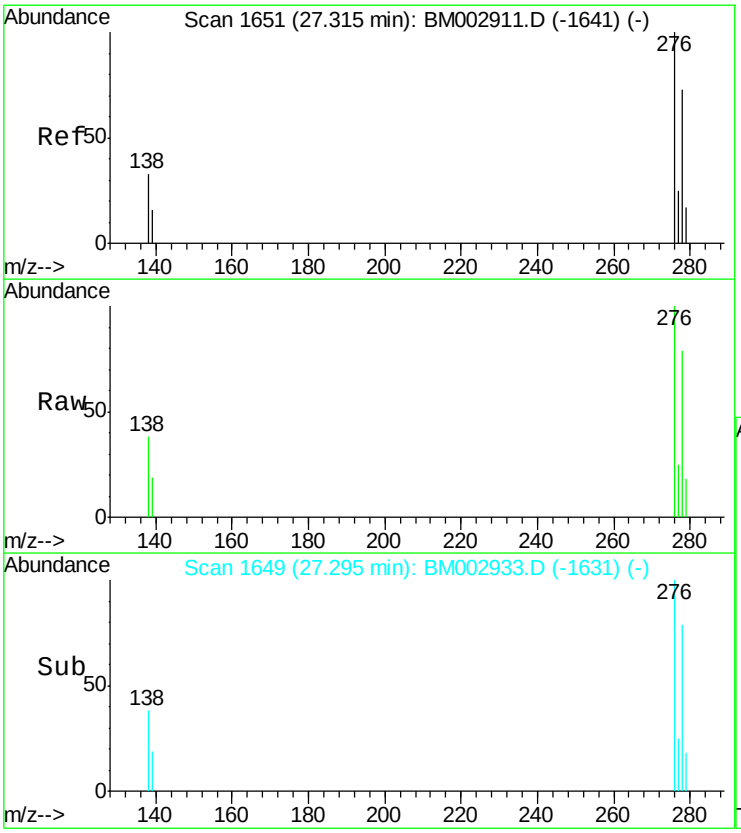
#33
Bis(2-ethylhexyl)phthalate
Concen: 3.53 ng
RT: 21.85 min Scan# 1182
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:149 Resp: 317688

Ion	Ratio	Lower	Upper
149	100		
167	28.5	17.2	25.8#
279	0.0	2.2	3.4#

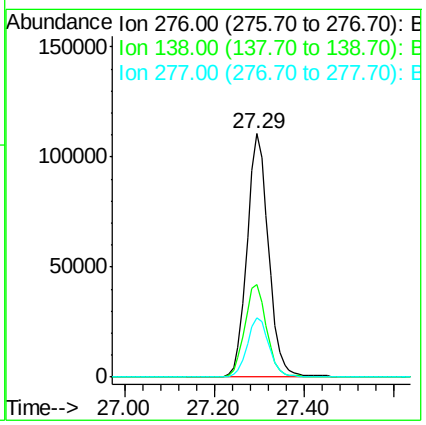


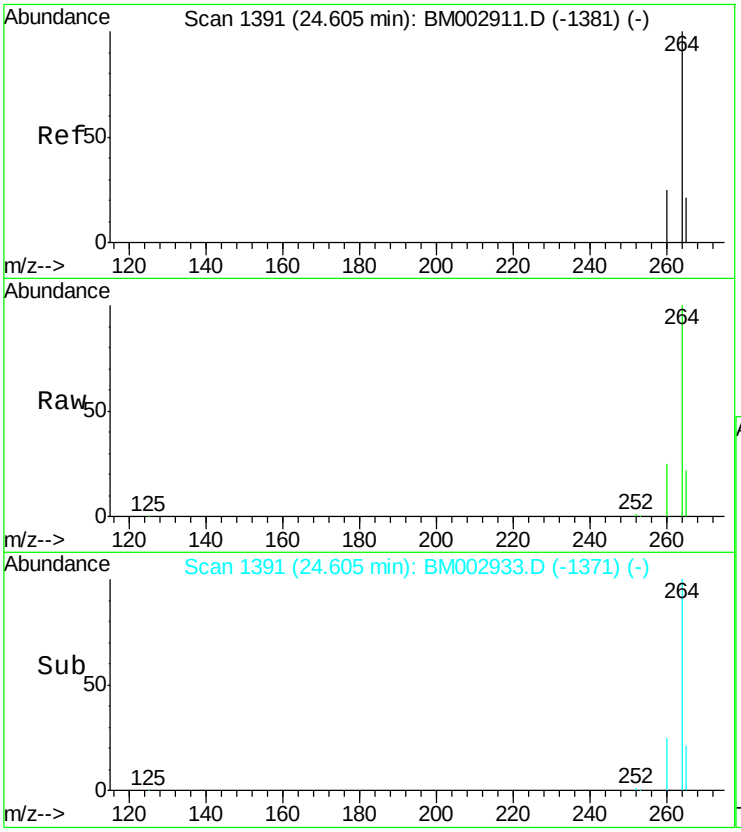


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.20 ng
RT: 27.29 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:276 Resp: 368746

Ion	Ratio	Lower	Upper
276	100		
138	38.7	29.0	43.6
277	24.8	19.8	29.8



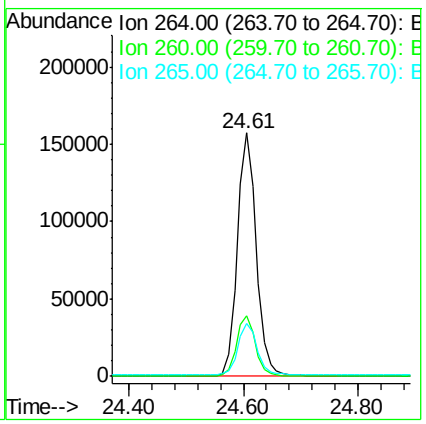


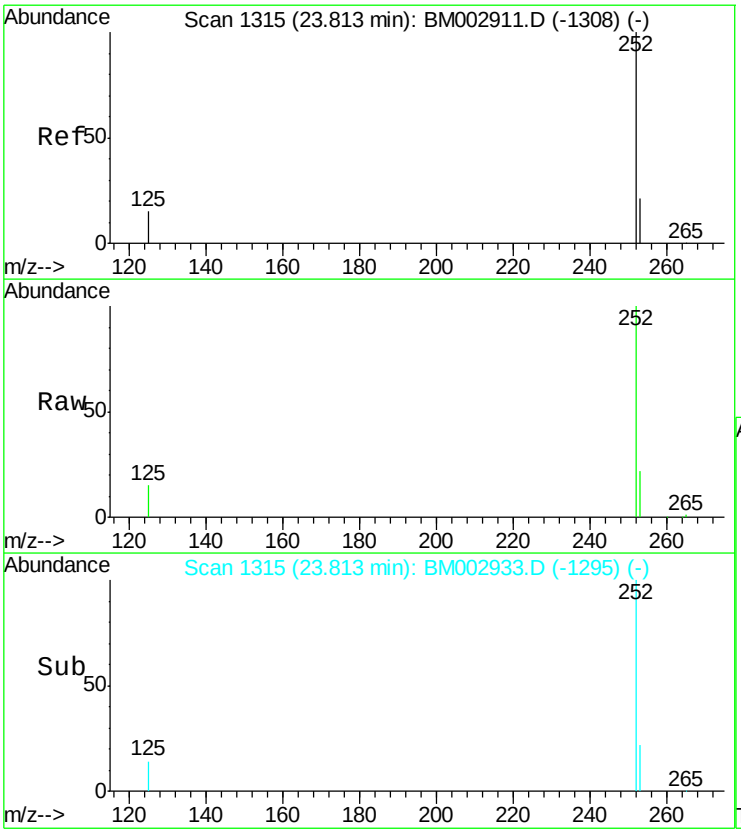
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.61 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:264 Resp: 359102

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.0	17.6	26.4

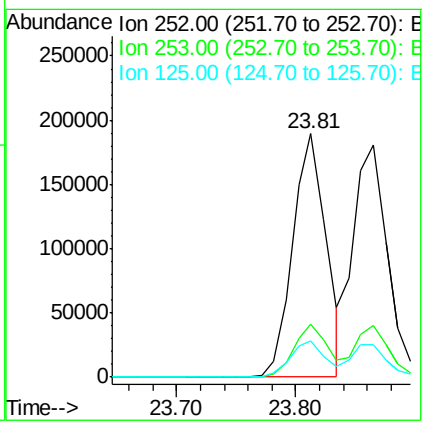


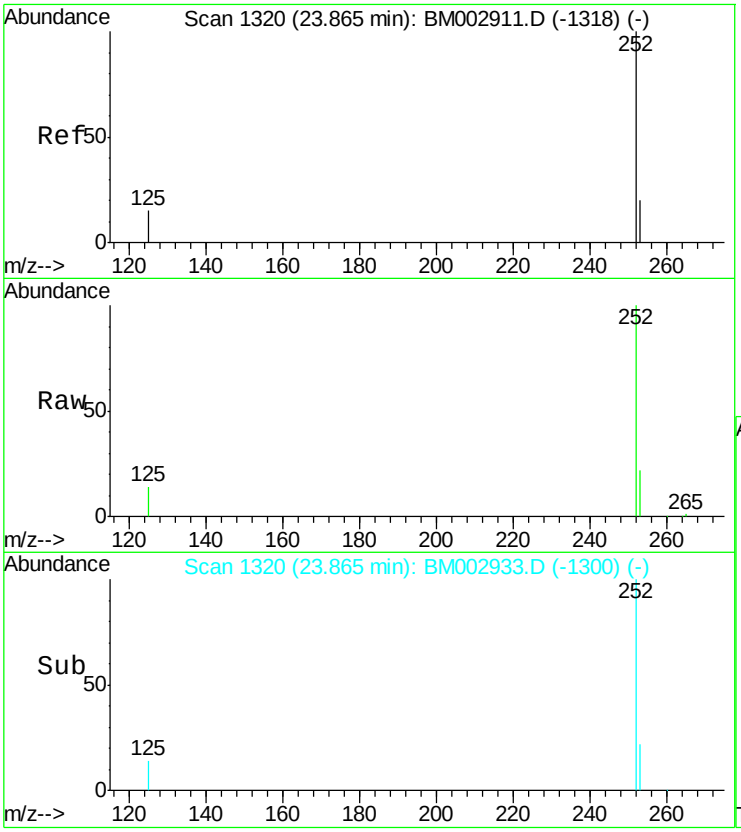


#36
Benzo(b)fluoranthene
Concen: 3.58 ng
RT: 23.81 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:252 Resp: 368547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.7	12.4	18.6



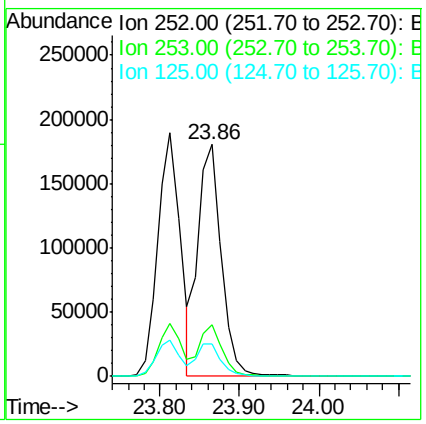


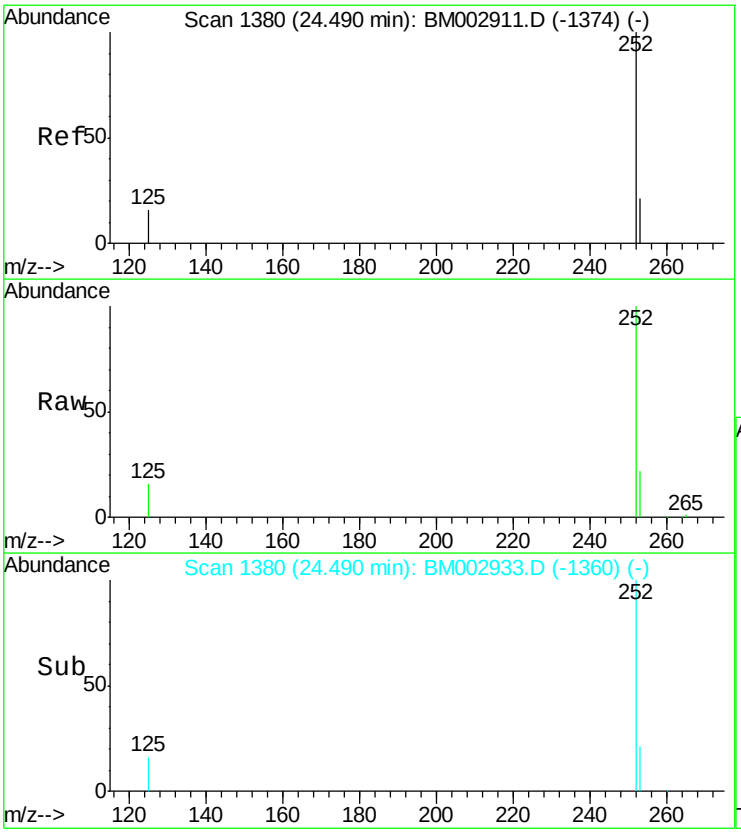
#37
Benzo(k)fluoranthene
Concen: 3.62 ng
RT: 23.86 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:252 Resp: 364651

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	14.2	12.3	18.5

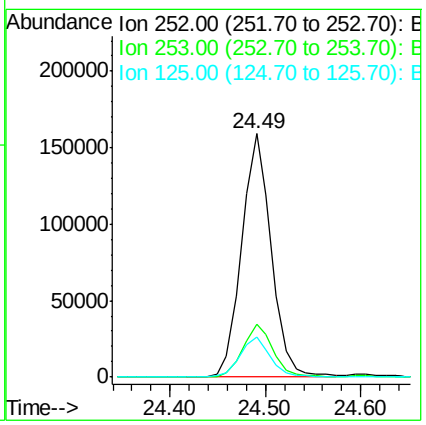


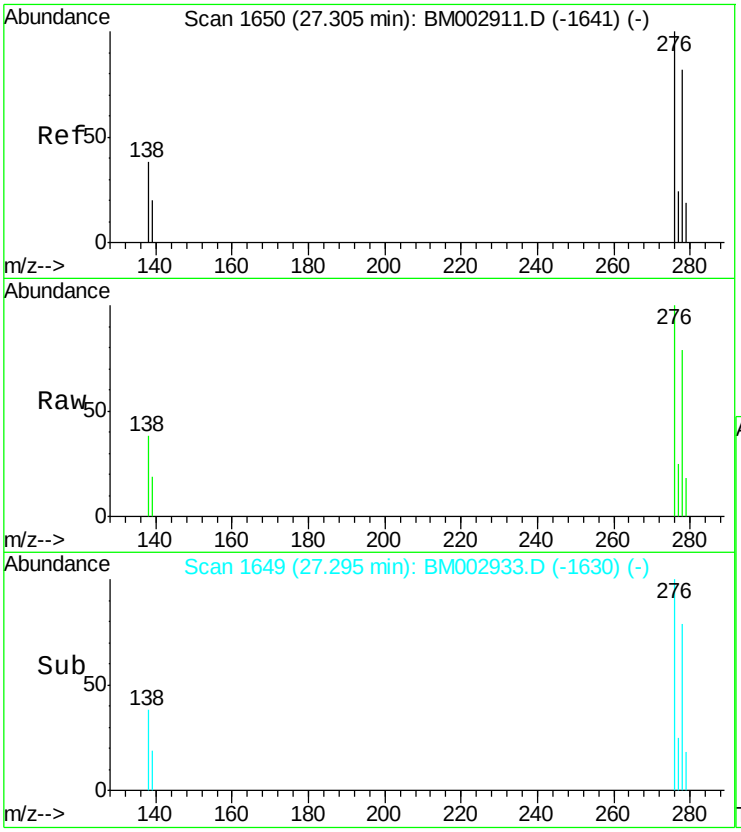


#38
Benzo(a)pyrene
Concen: 3.76 ng
RT: 24.49 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:252 Resp: 342186

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.4	27.6
125	16.3	13.3	19.9



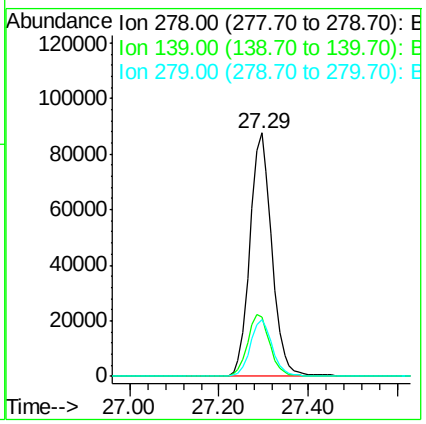


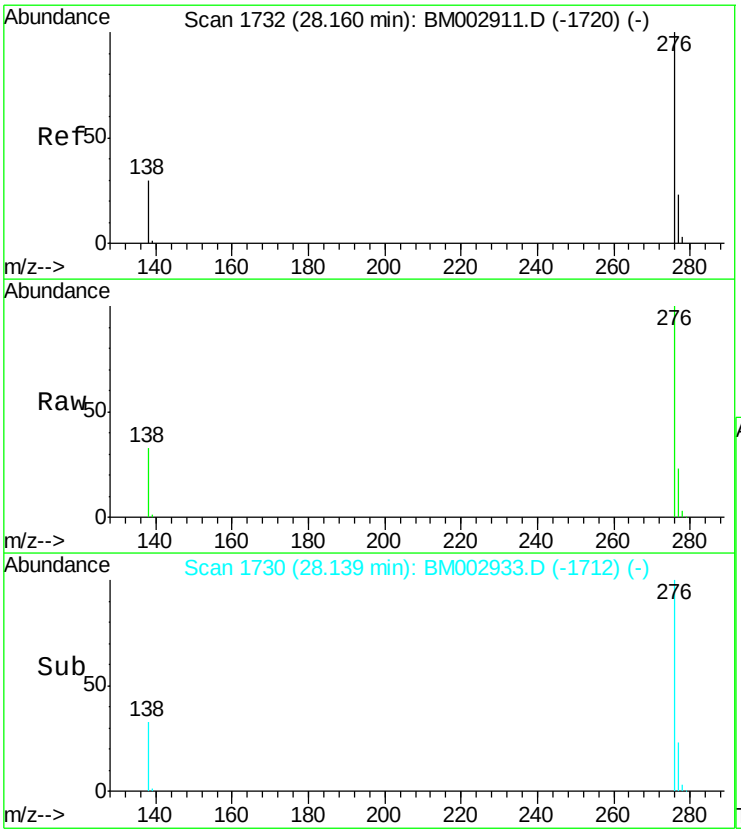
#39
Dibenzo(a,h)anthracene
Concen: 3.43 ng
RT: 27.29 min Scan# 1649
Delta R.T. -0.00 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Instrument :
BNA_M
ClientSampleId :
PB86139BSD

Tgt Ion:278 Resp: 299291

Ion	Ratio	Lower	Upper
278	100		
139	24.4	19.8	29.6
279	23.3	19.1	28.7





#40
Benzo(g,h,i)perylene
Concen: 3.34 ng
RT: 28.14 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BM002933.D
Acq: 16 Oct 2015 14:17

Tgt Ion:276 Resp: 304599

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	33.1	24.4	36.6