Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002937.D
Acq On : 16 Oct 2015 16:42
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SSTDCCC001EC

Quant Time: Oct 16 23:25:32 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	101174	5.00	ng		0.00
7) Naphthalene-d8	11.49	136	422016	5.00	ng		0.00
13) Acenaphthene-d10	15.23	164	219000	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	539338	5.00	ng		0.00
26) Chrysene-d12	22.03	240	395755	5.00	ng		0.00
35) Perylene-d12	24.60	264	327998	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.13	112	19787	1.05	ng		-0.02
5) Phenol-d6	7.79	99	26196	1.08	ng		0.00
8) Nitrobenzene-d5	9.86	82	21295	1.05	ng		0.00
14) 2,4,6-Tribromophenol	16.71	330	7692	1.03	ng		0.00
15) 2-Fluorobiphenyl	13.87	172	70038	1.00	ng		0.00
29) Terphenyl-d14	20.48	244	65698	1.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.77	88	8686	0.94	ng		99
3) n-Nitrosodimethylamine	4.16	42	7701	1.07	ng	#	98
6) bis(2-Chloroethyl)ether	8.04	93	23748	1.03	ng		99
9) Nitrobenzene	9.90	77	22656	1.06	ng		100
10) Naphthalene	11.54	128	90258	0.96	ng		96
11) Hexachlorobutadiene	11.80	225	14740	0.98	ng		100
12) 2-Methylnaphthalene	13.12	142	62074	0.98	ng		96
16) Acenaphthylene	14.96	152	101114	1.06	ng		99
17) Acenaphthene	15.29	154	64180	0.98	ng	#	100
18) Fluorene	16.27	166	78627	1.00	ng		98
20) 4-Bromophenyl-phenylether	17.13	248	22840	1.02	ng	#	53
21) Hexachlorobenzene	17.25	284	22112	1.05	ng	#	79
22) Pentachlorophenol	17.61	266	3742m	1.69	ng		
23) Phenanthrene	18.00	178	111084	0.88	ng		99
24) Anthracene	18.07	178	111648	0.93	ng		97
25) Fluoranthene	19.96	202	130493	0.94	ng		100
27) Benzidine	20.12	184	39583	0.82	ng		96
28) Pyrene	20.32	202	132693	1.14	ng		100
30) Benzo(a)anthracene	22.01	228	119265	1.04	ng	#	91
31) 3,3'-Dichlorobenzidine	21.93	252	41863	1.08	ng	#	87
32) Chrysene	22.07	228	107278	1.00	ng		93
33) Bis(2-ethylhexyl)phthalate	21.85	149	97552	1.34	ng	#	91
34) Indeno(1,2,3-cd)pyrene	27.31	276	87950	0.80	ng		98
36) Benzo(b)fluoranthene	23.82	252	98976	1.05	ng		98
37) Benzo(k)fluoranthene	23.86	252	93747	1.02	ng		98
38) Benzo(a)pyrene	24.50	252	85468	1.03	ng		99
39) Dibenzo(a,h)anthracene	27.30	278	70183	0.88	ng		98
40) Benzo(g,h,i)perylene	28.16	276	70855	0.85	ng		97

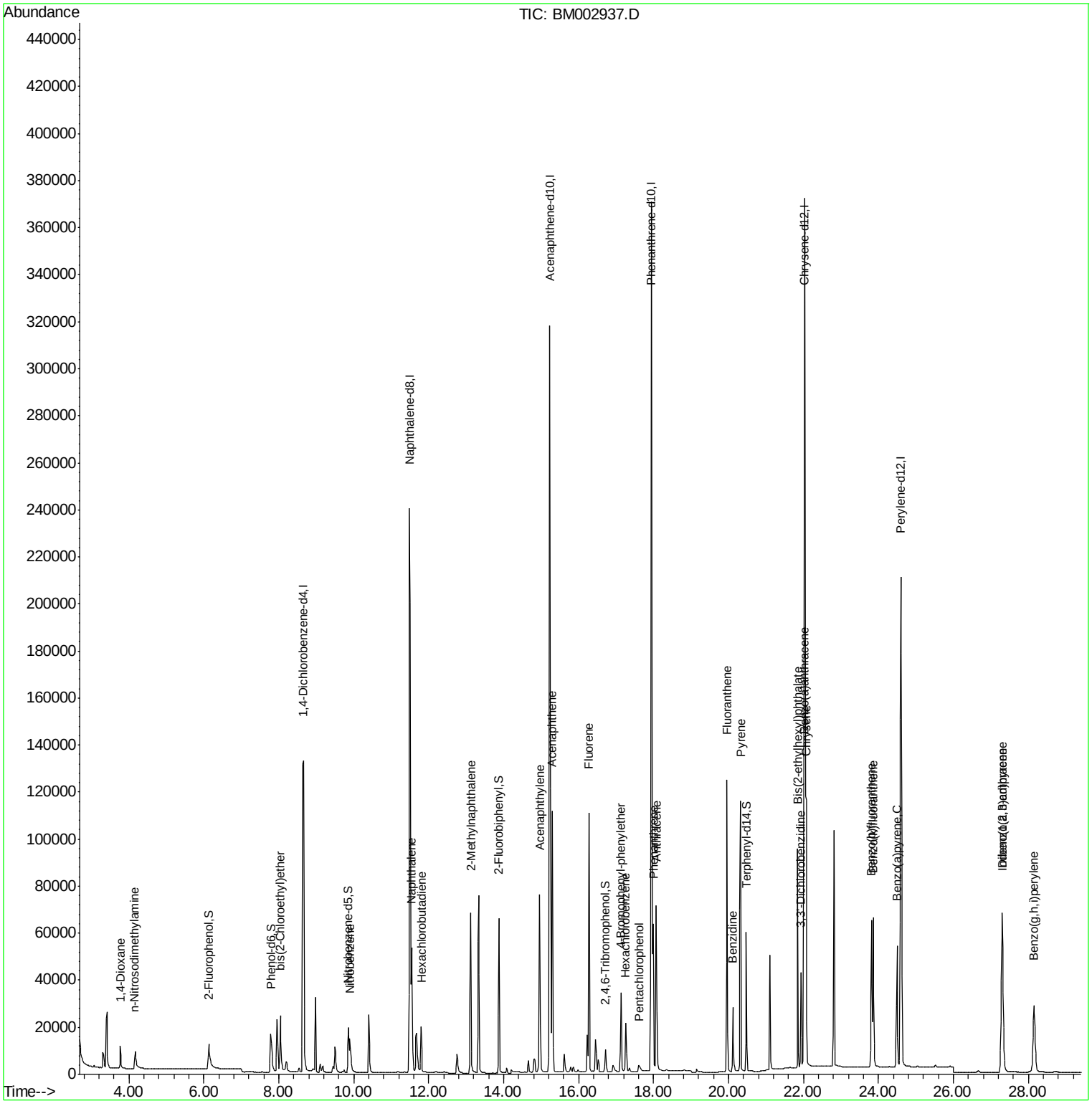
(#) = qualifier out of range (m) = manual integration (+) = signals summed

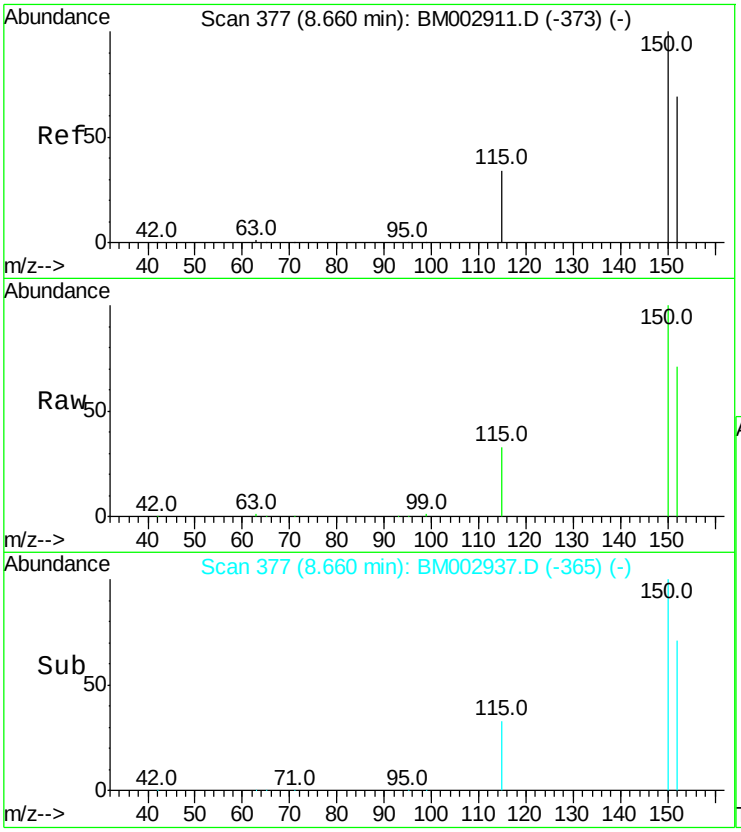
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002937.D
Acq On : 16 Oct 2015 16:42
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Quant Time: Oct 16 23:25:32 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



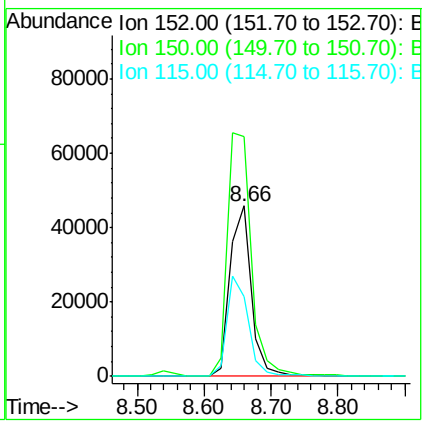


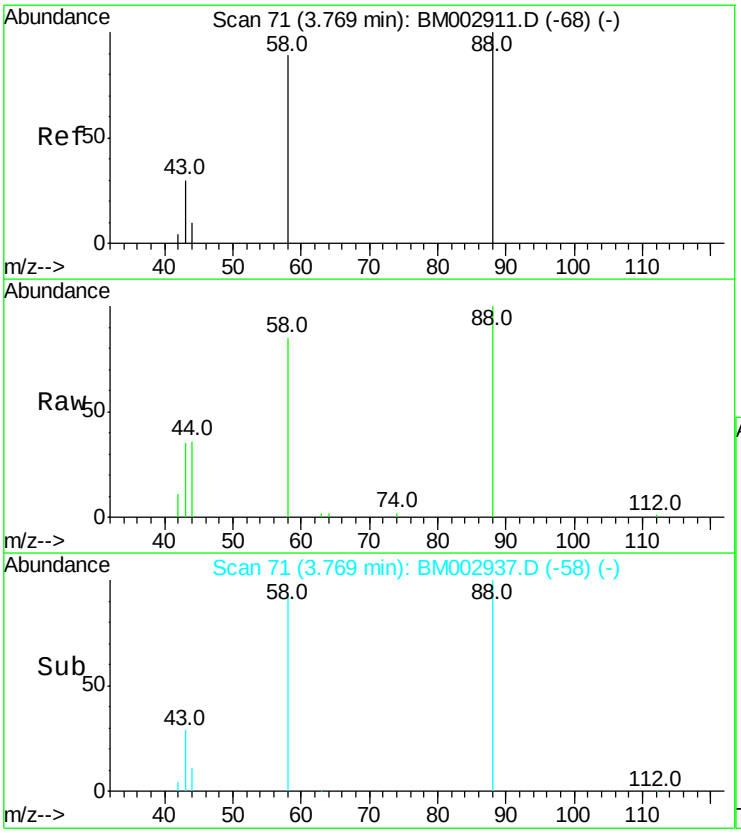
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:152 Resp: 101174

Ion	Ratio	Lower	Upper
152	100		
150	141.0	113.0	169.6
115	47.0	37.9	56.9

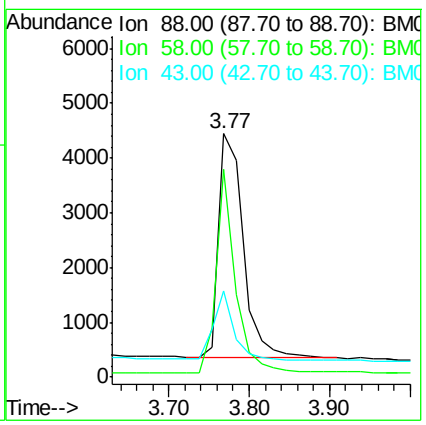


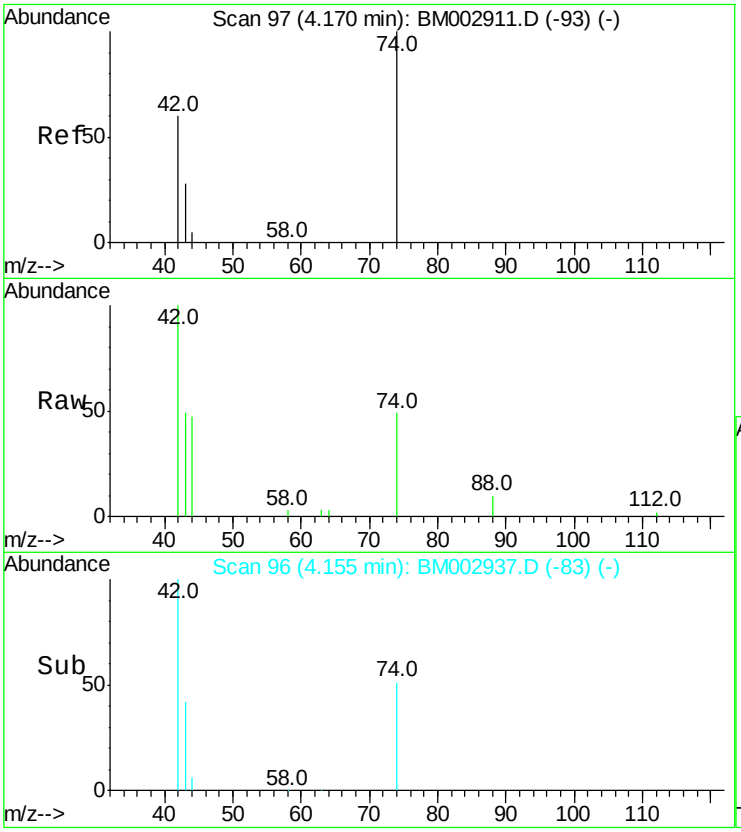


#2
1,4-Dioxane
Concen: 0.94 ng
RT: 3.77 min Scan# 71
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion: 88 Resp: 8686

Ion	Ratio	Lower	Upper
88	100		
58	71.3	56.7	85.1
43	26.4	22.0	33.0



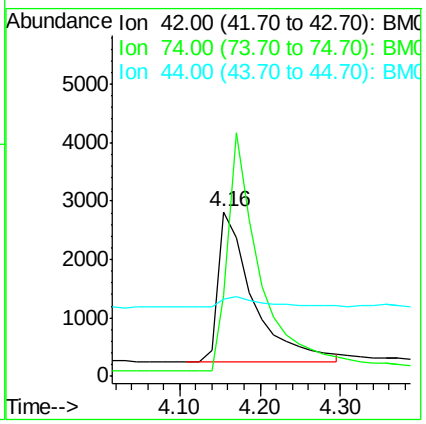


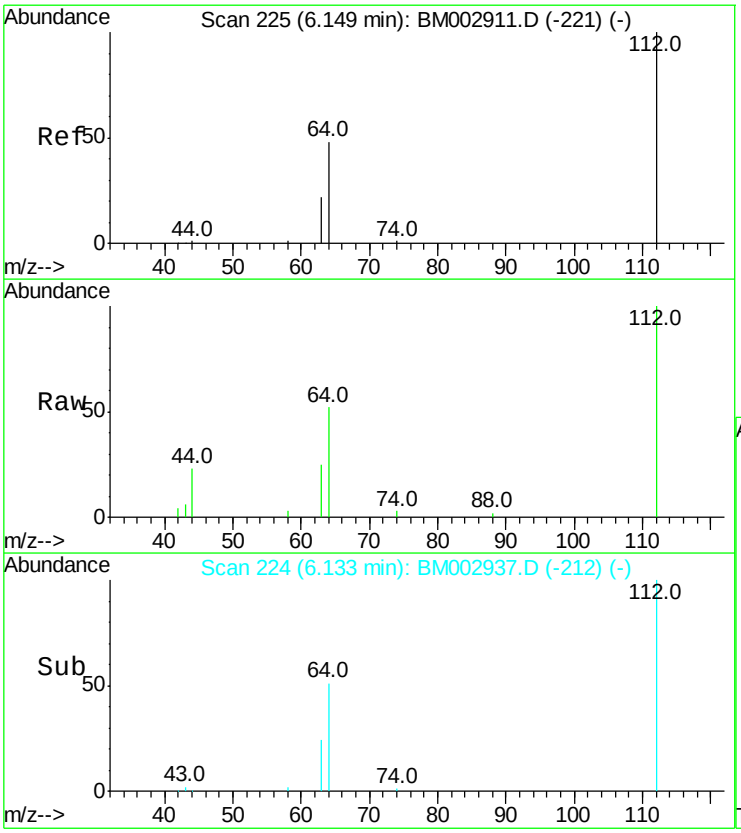
#3
n-Nitrosodimethylamine
Concen: 1.07 ng
RT: 4.16 min Scan# 96
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 42 Resp: 7701

Ion	Ratio	Lower	Upper
42	100		
74	148.3	119.7	179.5
44	7.8	9.8	14.6#

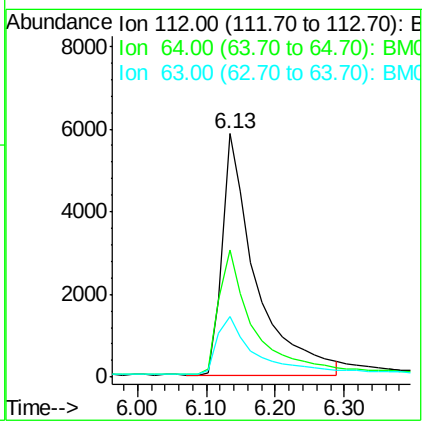


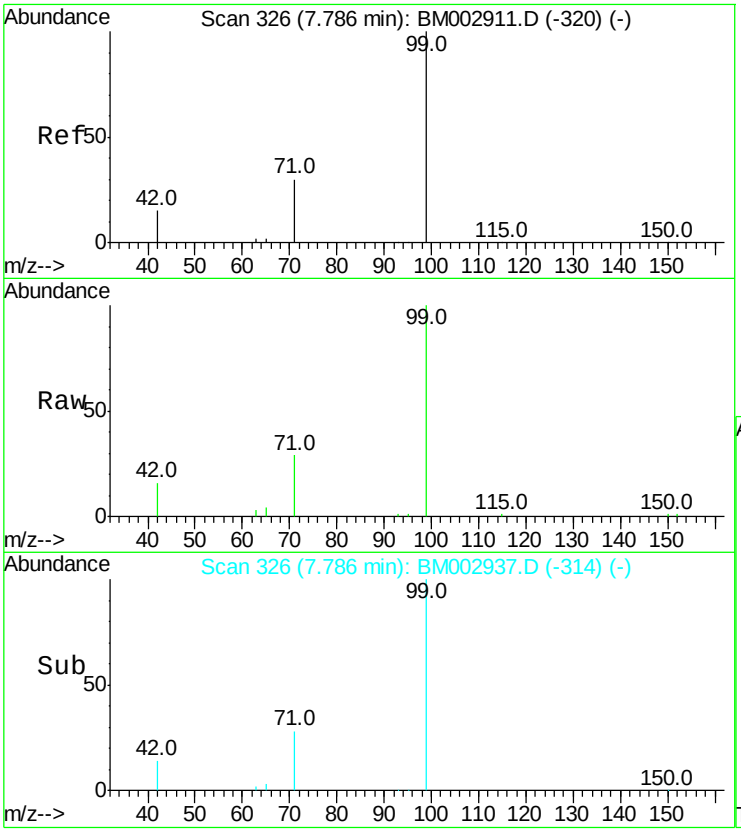


#4
2-Fluorophenol
Concen: 1.05 ng
RT: 6.13 min Scan# 224
Delta R.T. -0.02 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:112 Resp: 19787

Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.0	63.0
63	25.8	20.0	30.0



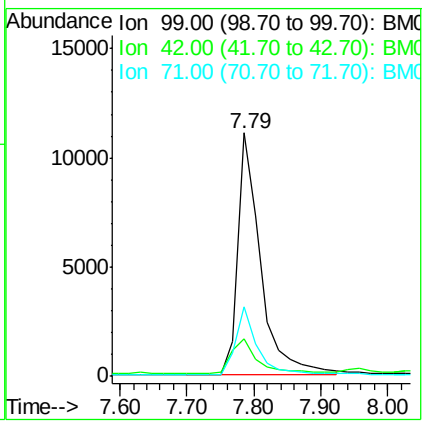


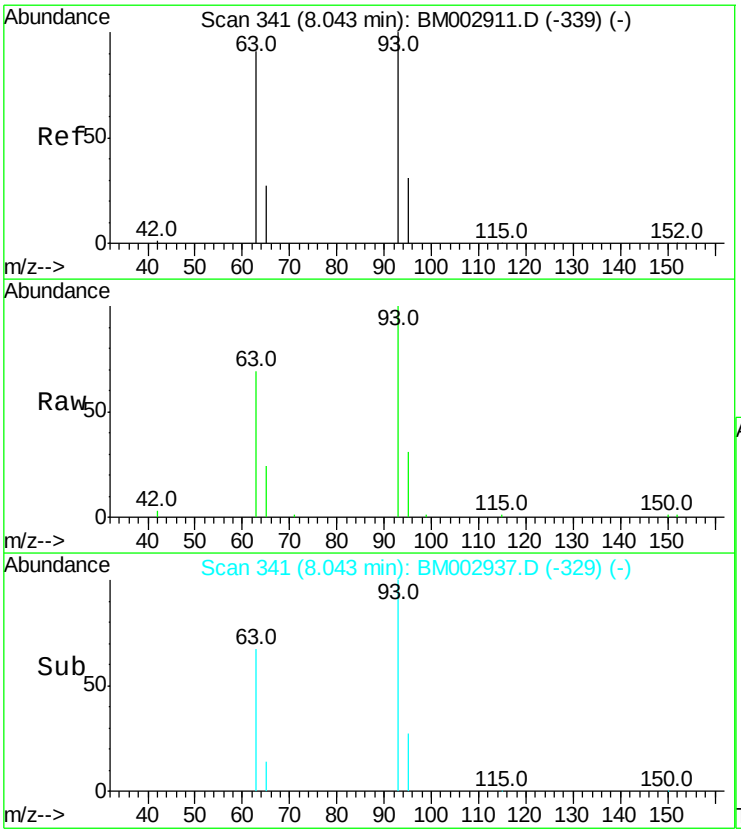
#5
Phenol-d6
Concen: 1.08 ng
RT: 7.79 min Scan# 326
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 99 Resp: 26196

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.4	18.6
71	26.9	21.4	32.0

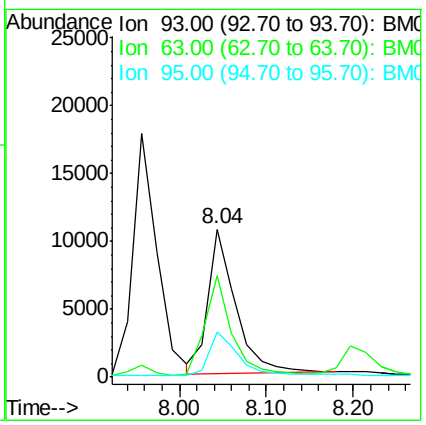


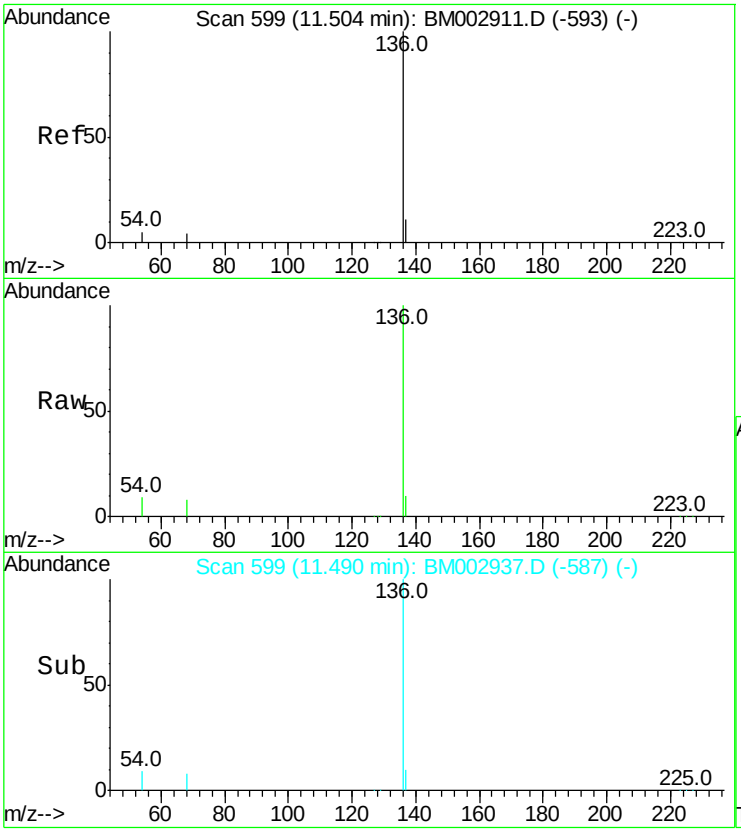


#6
bis(2-Chloroethyl)ether
Concen: 1.03 ng
RT: 8.04 min Scan# 341
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion: 93 Resp: 23748

Ion	Ratio	Lower	Upper
93	100		
63	66.6	52.9	79.3
95	31.4	25.2	37.8



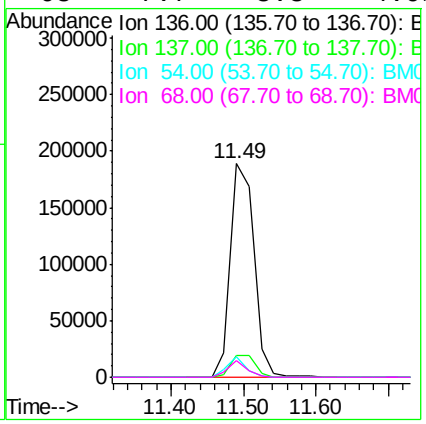


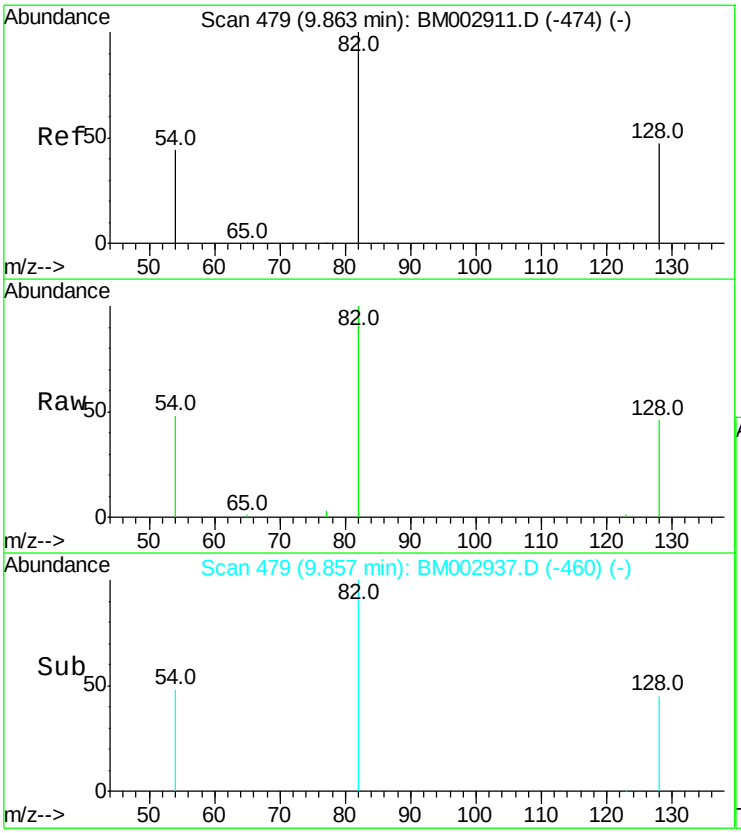
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.49 min Scan# 599
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:136 Resp: 422016

Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.1	13.7
54	9.4	3.5	5.3#
68	7.7	3.3	4.9#

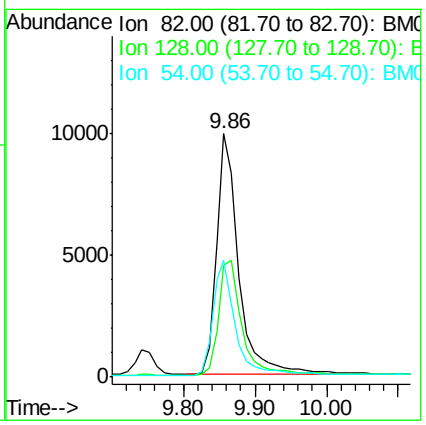


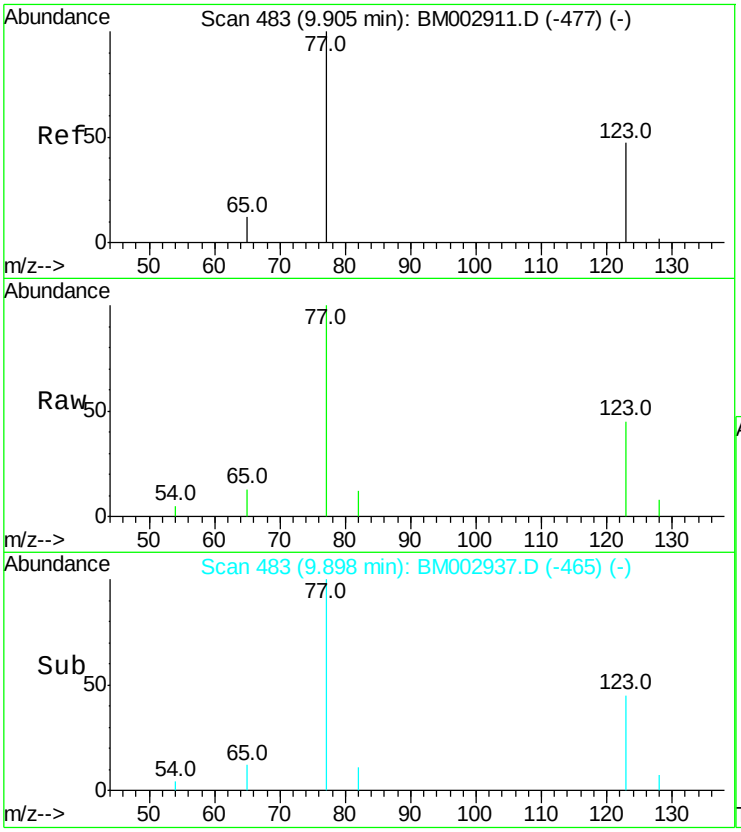


#8
Nitrobenzene-d5
Concen: 1.05 ng
RT: 9.86 min Scan# 479
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion: 82 Resp: 21295

Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.1	51.1
54	48.2	42.6	63.8



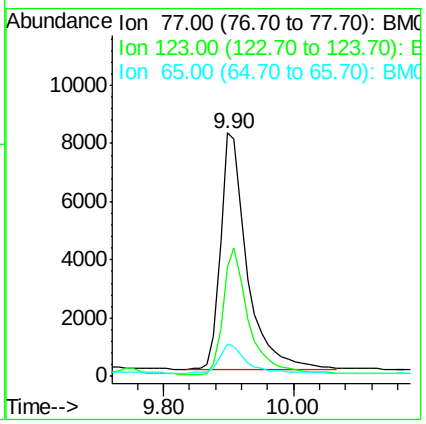


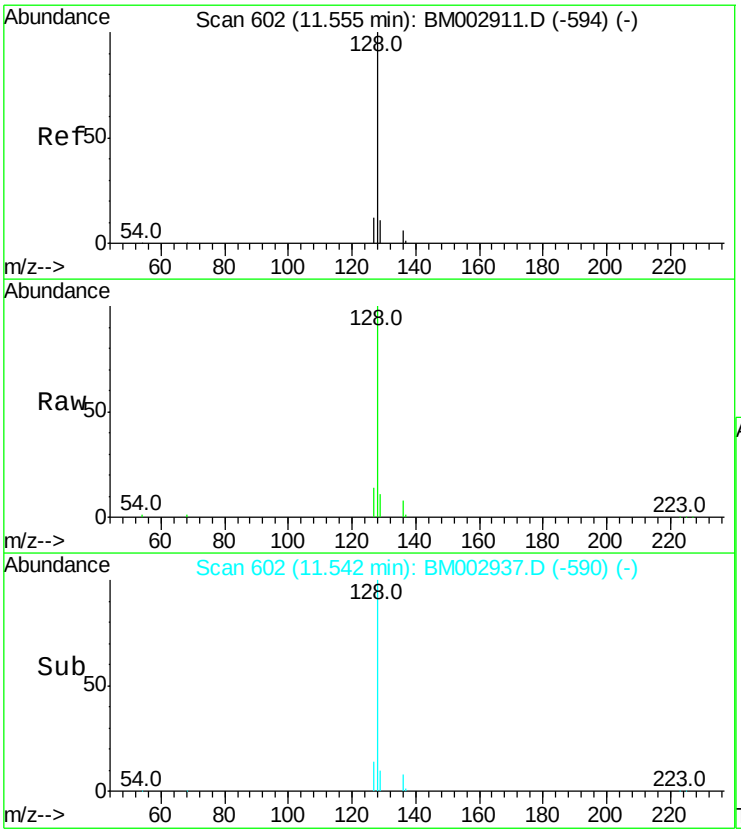
#9
Nitrobenzene
Concen: 1.06 ng
RT: 9.90 min Scan# 483
Delta R.T. -0.01 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 77 Resp: 22656

Ion	Ratio	Lower	Upper
77	100		
123	51.5	41.0	61.4
65	12.0	9.7	14.5

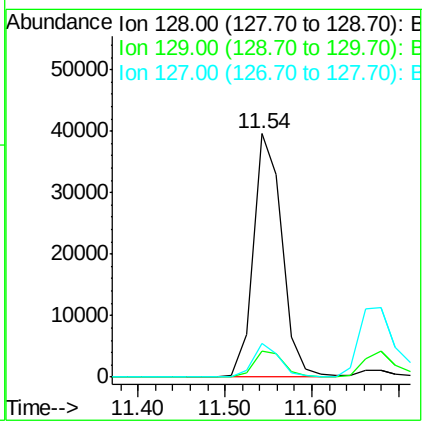


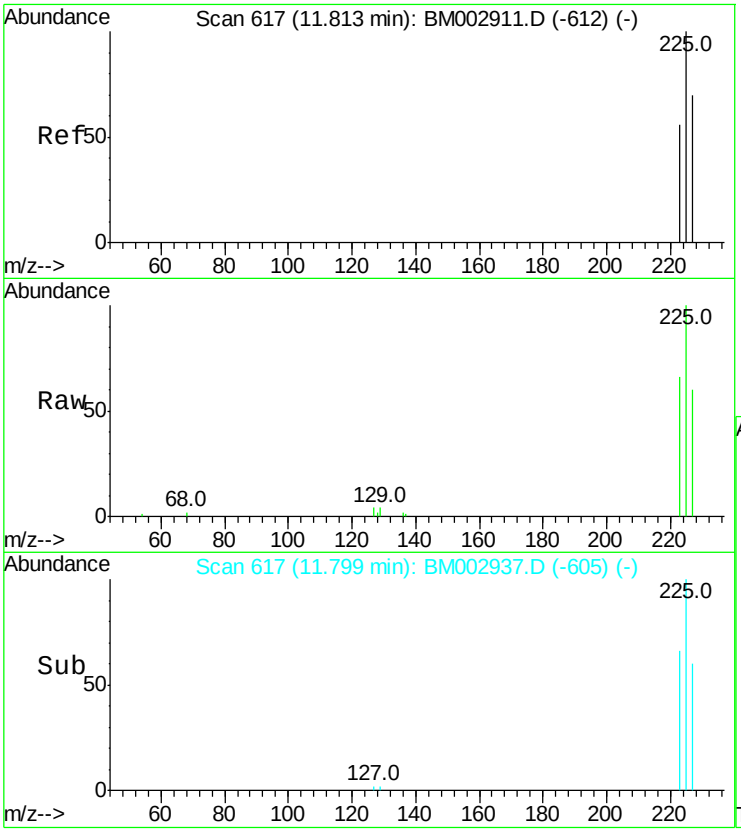


#10
Naphthalene
Concen: 0.96 ng
RT: 11.54 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:128 Resp: 90258

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.7	9.6	14.4



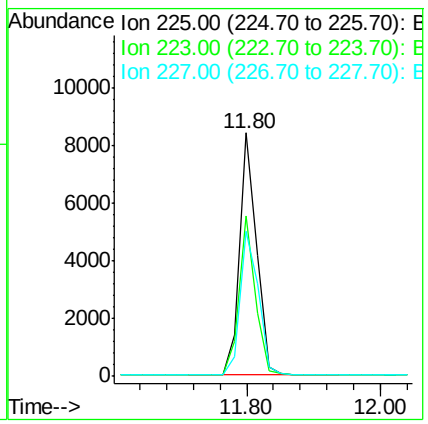


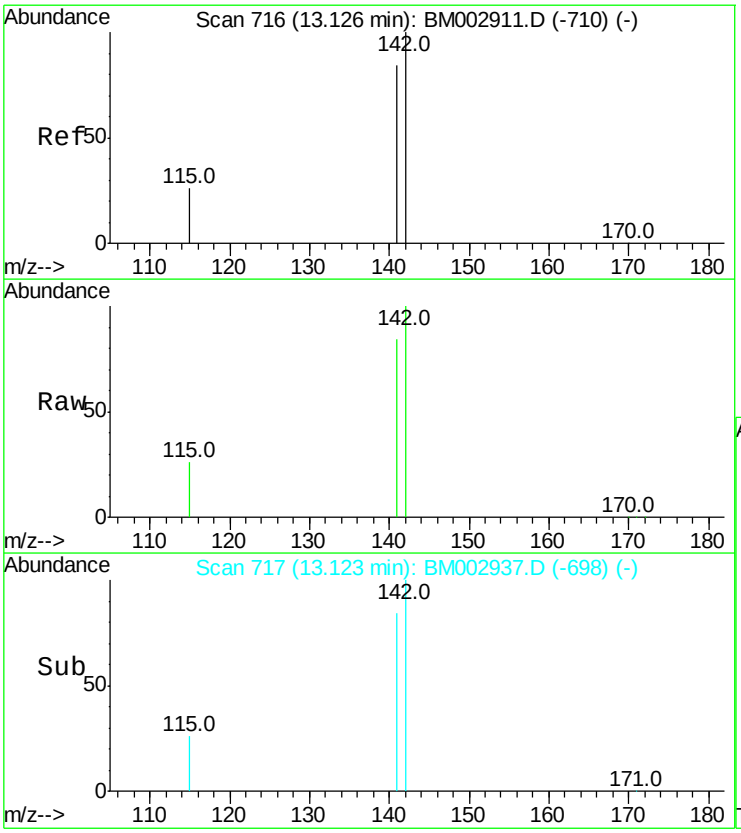
#11
Hexachlorobutadiene
Concen: 0.98 ng
RT: 11.80 min Scan# 617
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:225 Resp: 14740

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.7	51.2	76.8

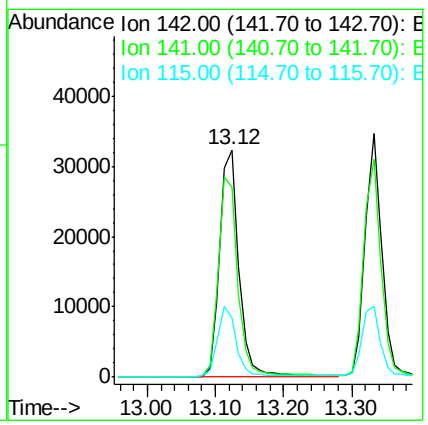


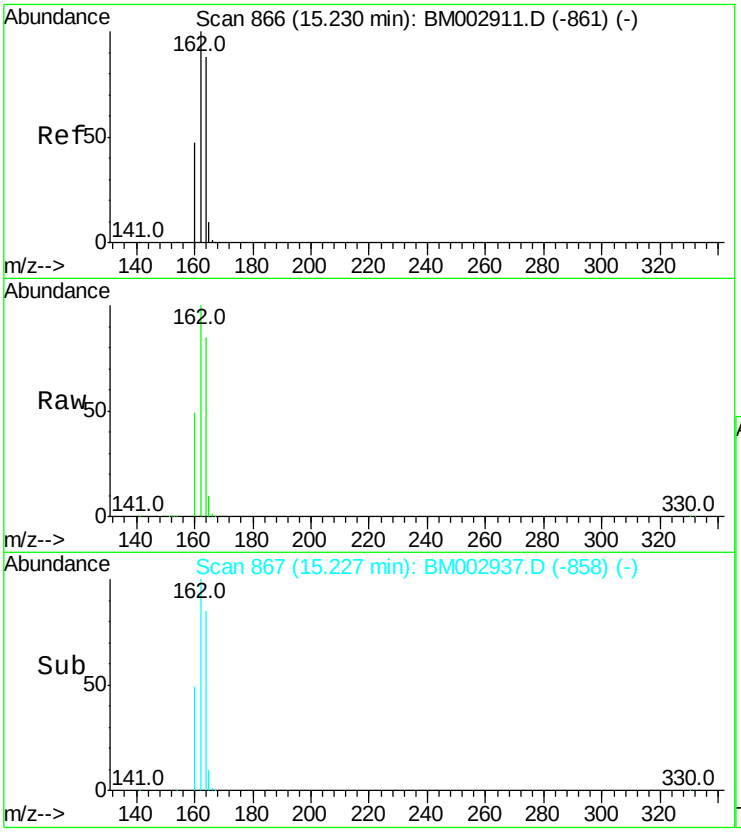


#12
2-Methylnaphthalene
Concen: 0.98 ng
RT: 13.12 min Scan# 717
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:142 Resp: 62074

Ion	Ratio	Lower	Upper
142	100		
141	83.6	69.4	104.0
115	26.1	22.7	34.1



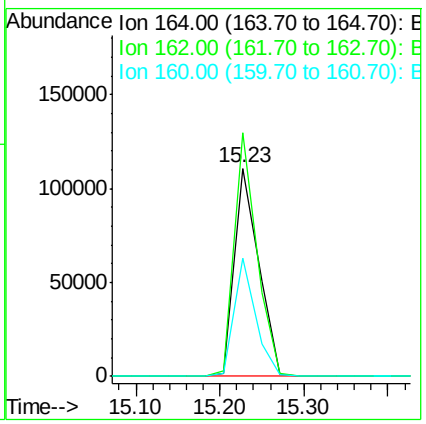


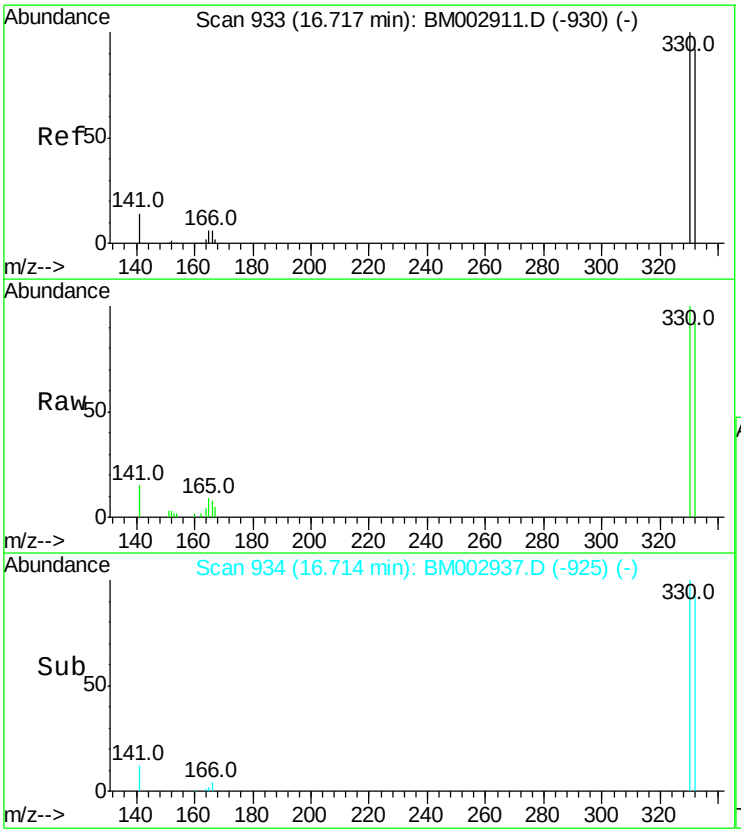
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 867
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:164 Resp: 219000

Ion	Ratio	Lower	Upper
164	100		
162	117.0	79.6	119.4
160	56.9	33.1	49.7#

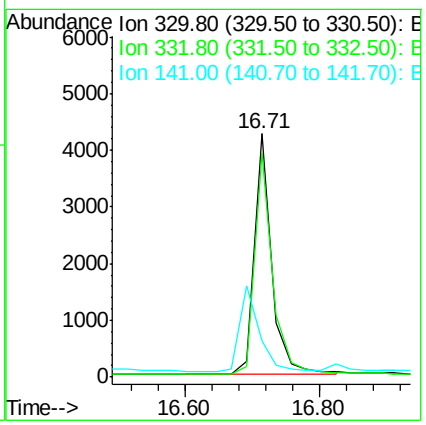


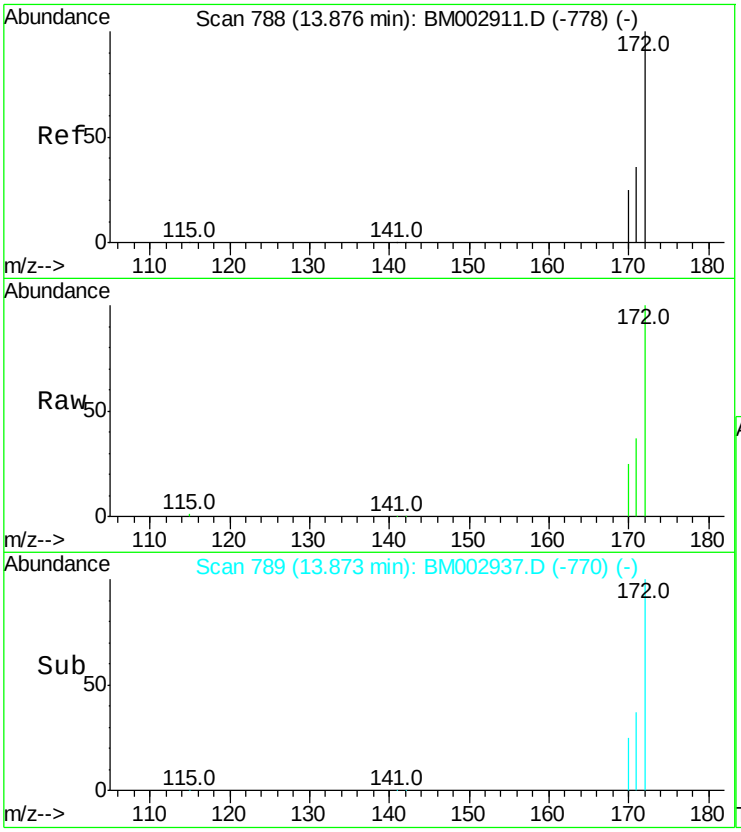


#14
2,4,6-Tribromophenol
Concen: 1.03 ng
RT: 16.71 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:330 Resp: 7692

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	0.0	0.0	0.0



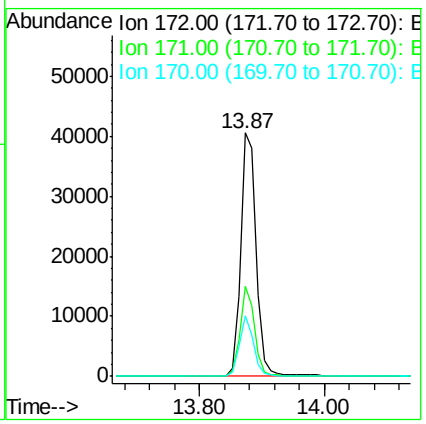


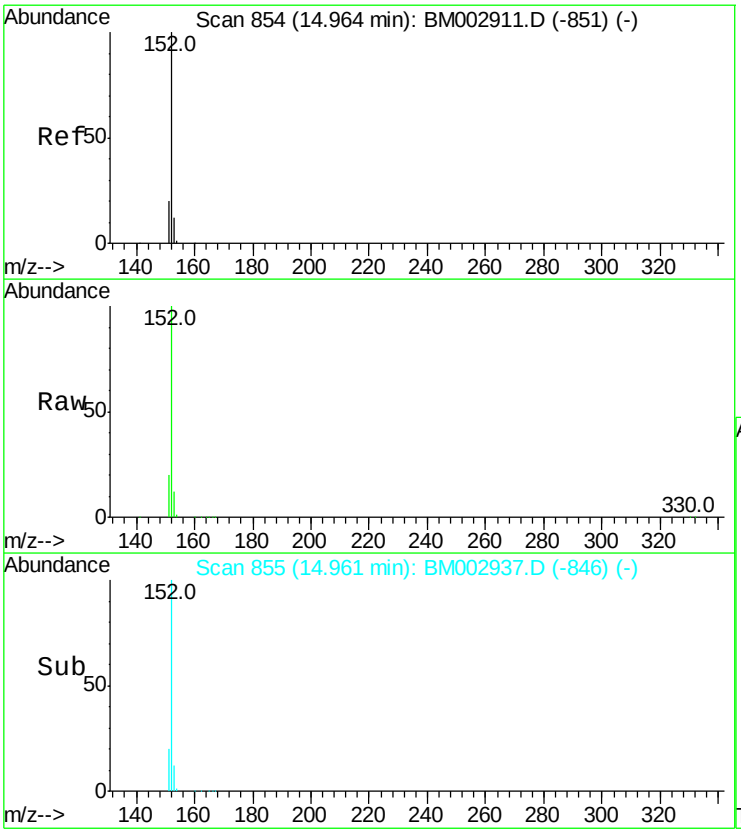
#15
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:172 Resp: 70038

Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.1	39.1
170	25.0	15.7	23.5#

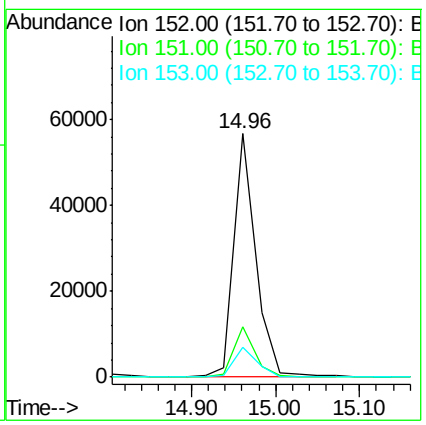


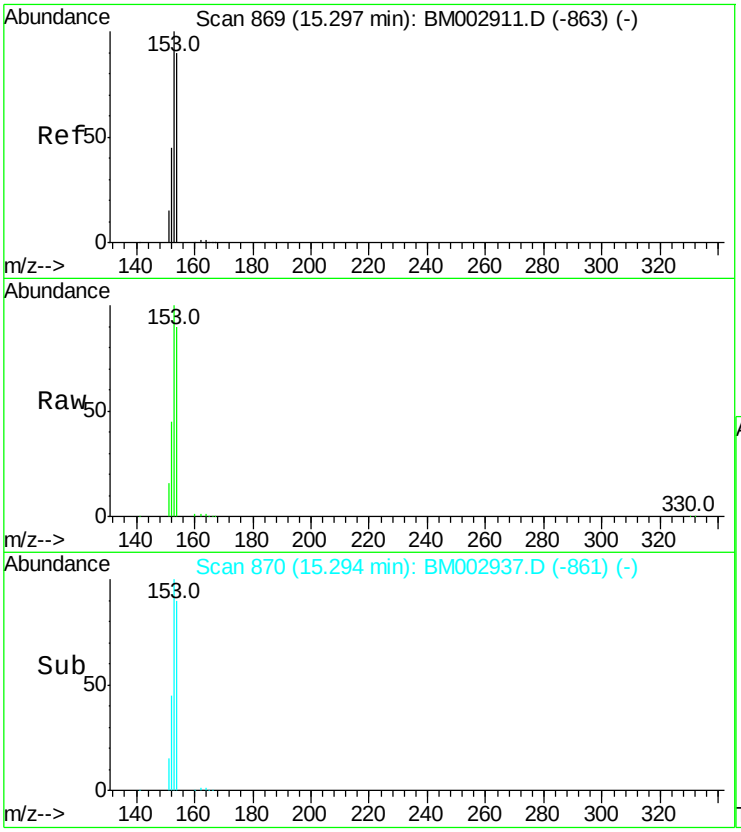


#16
Acenaphthylene
Concen: 1.06 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:152 Resp: 101114

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.3	22.9
153	12.8	10.5	15.7



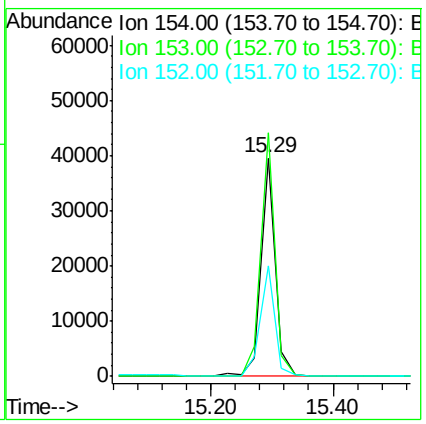


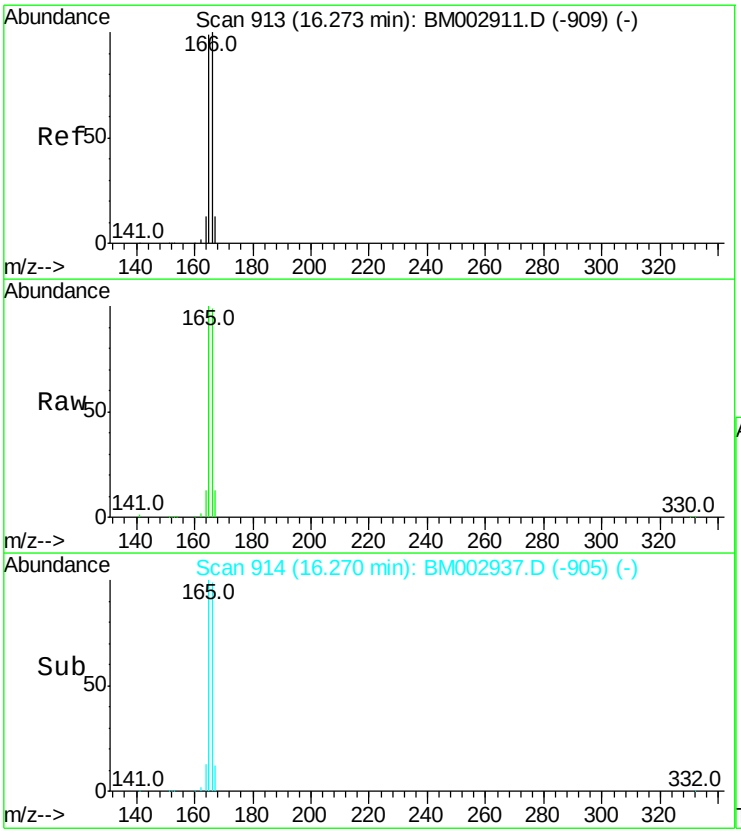
#17
Acenaphthene
Concen: 0.98 ng
RT: 15.29 min Scan# 870
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:154 Resp: 64180

Ion	Ratio	Lower	Upper
154	100		
153	110.9	0.0	0.0#
152	51.3	0.0	0.0#

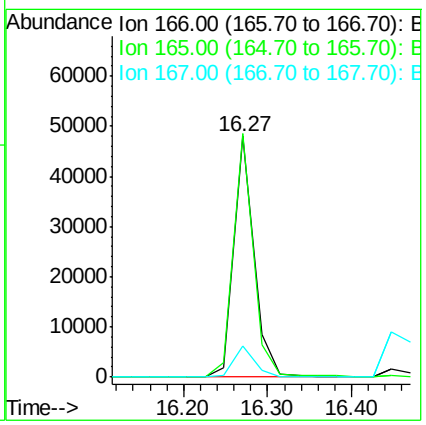


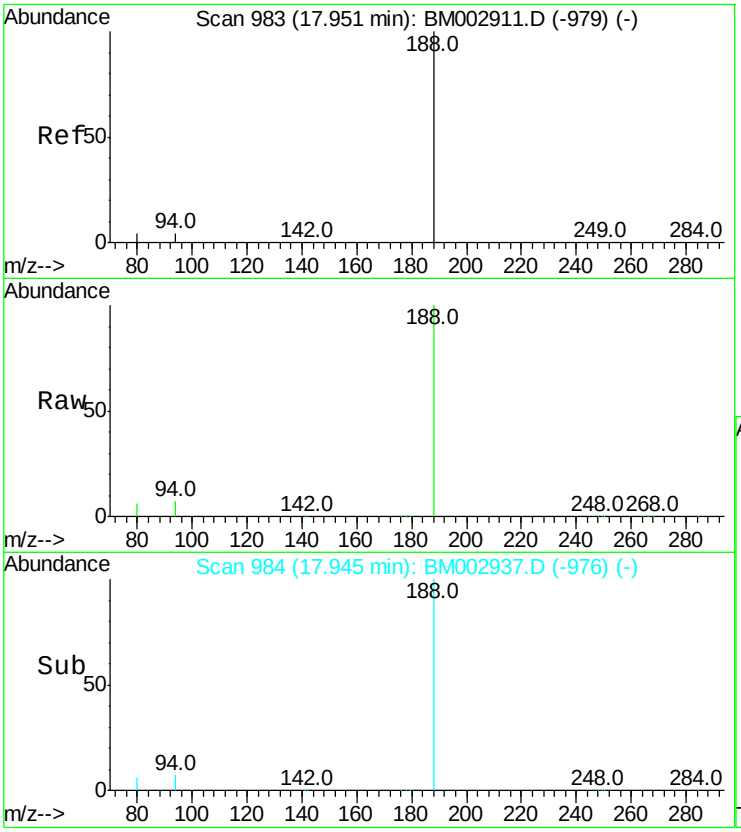


#18
Fluorene
Concen: 1.00 ng
RT: 16.27 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:166 Resp: 78627

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.3	115.9
167	13.1	10.9	16.3



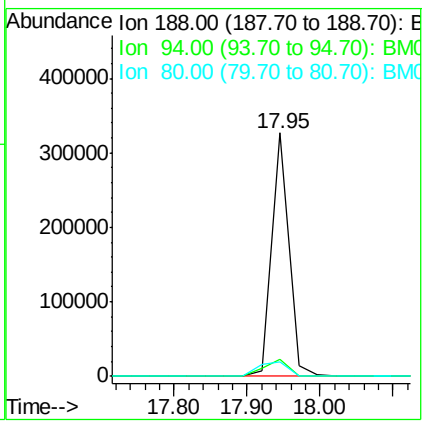


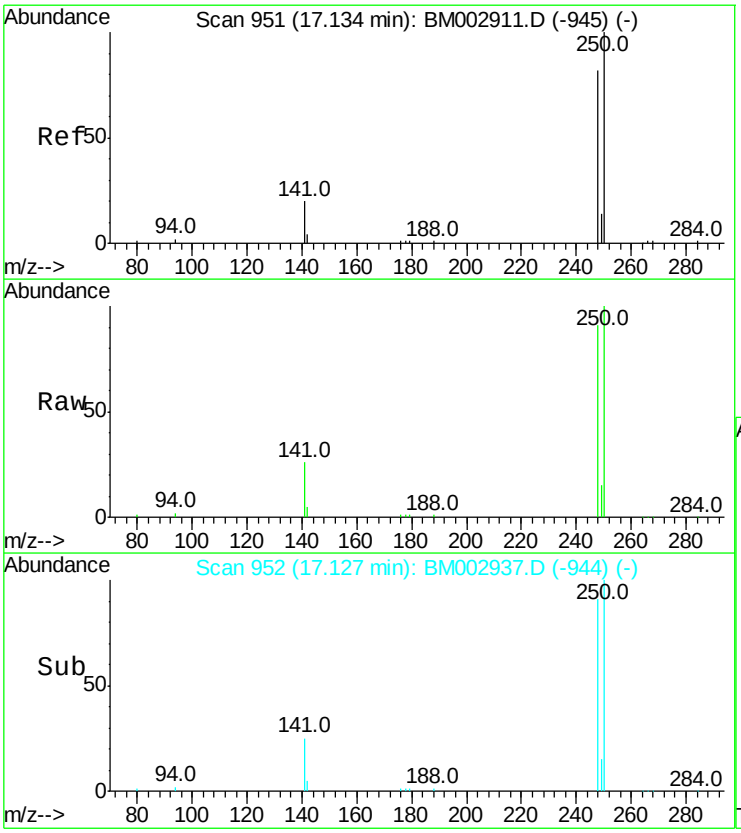
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:188 Resp: 539338

Ion	Ratio	Lower	Upper
188	100		
94	6.8	15.2	22.8#
80	6.1	15.9	23.9#

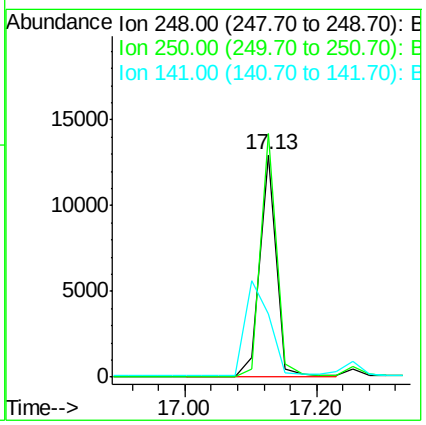


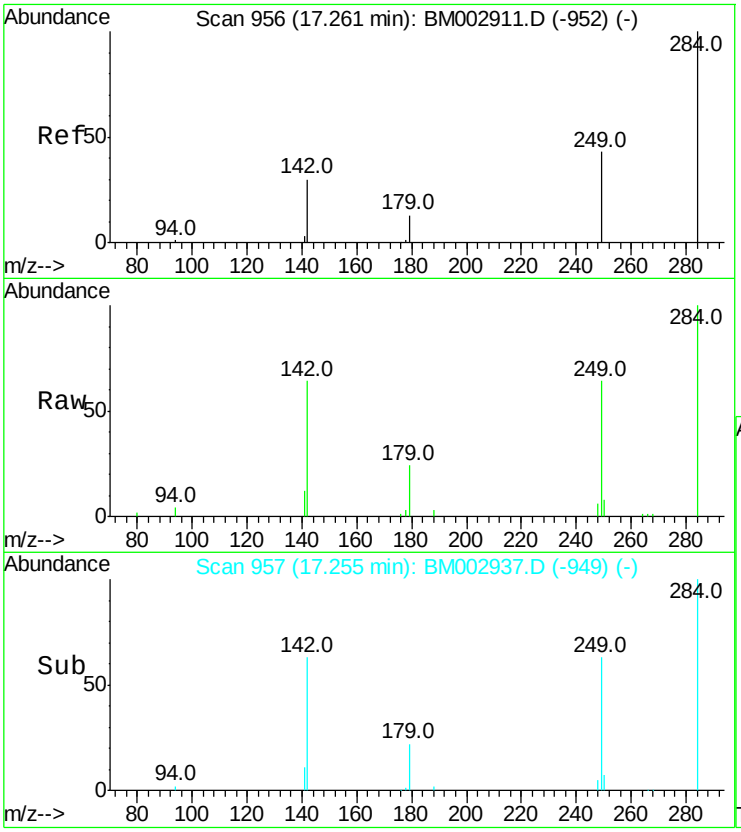


#20
4-Bromophenyl-phenylether
Concen: 1.02 ng
RT: 17.13 min Scan# 952
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:248 Resp: 22840

Ion	Ratio	Lower	Upper
248	100		
250	105.8	71.4	107.2
141	0.0	54.6	82.0#



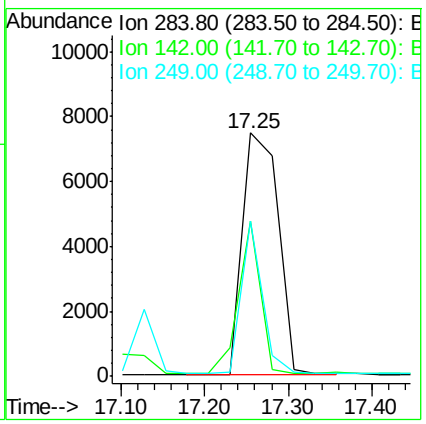


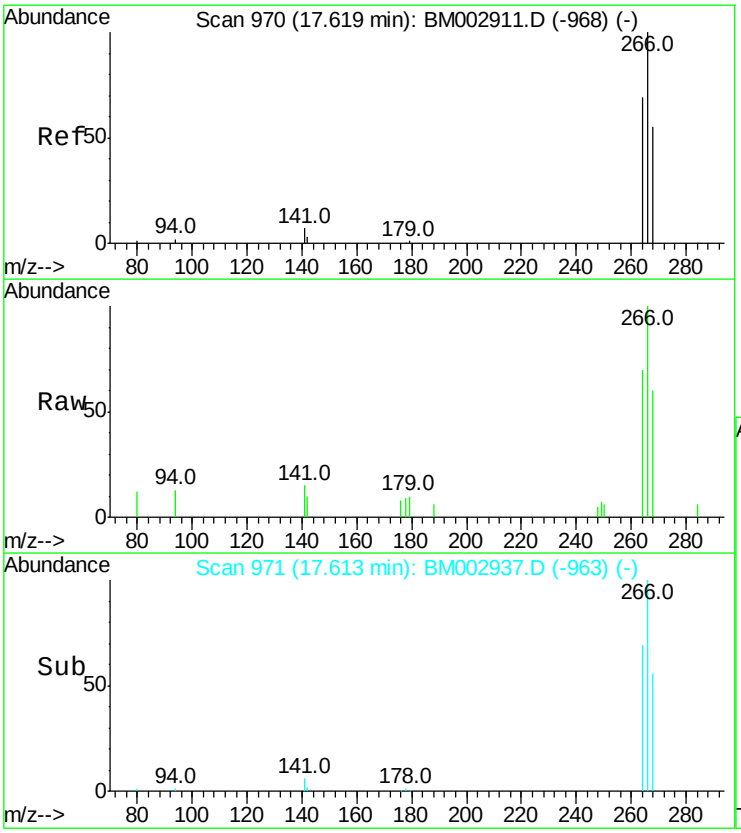
#21
Hexachlorobenzene
Concen: 1.05 ng
RT: 17.25 min Scan# 957
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:284 Resp: 22112

Ion	Ratio	Lower	Upper
284	100		
142	39.1	0.0	0.0#
249	36.8	20.7	31.1#

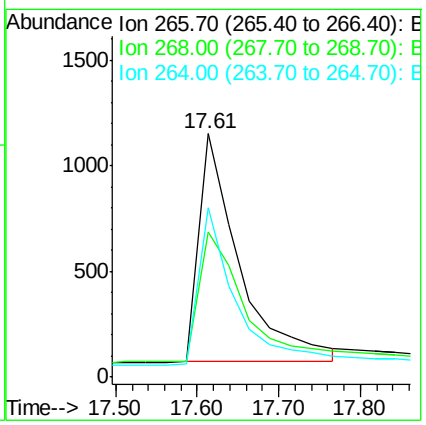


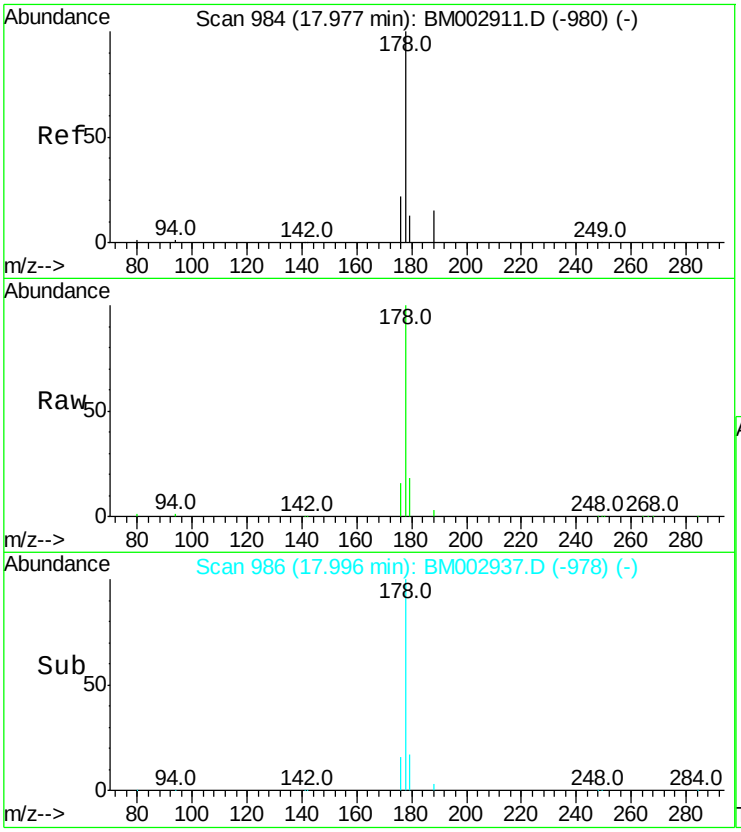


#22
Pentachlorophenol
Concen: 1.69 ng m
RT: 17.61 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:266 Resp: 3742

Ion	Ratio	Lower	Upper
266	100		
268	59.6	58.3	87.5
264	69.5	54.2	81.2



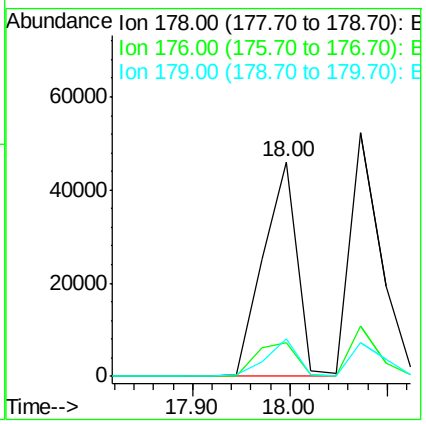


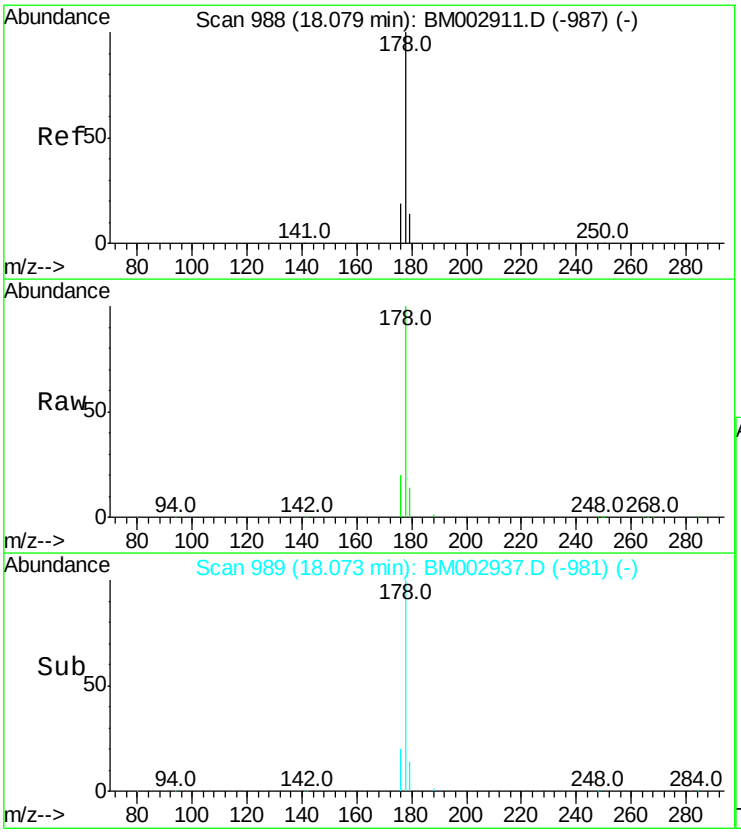
#23
Phenanthrene
Concen: 0.88 ng
RT: 18.00 min Scan# 986
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:178 Resp: 111084

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.0	12.5	18.7

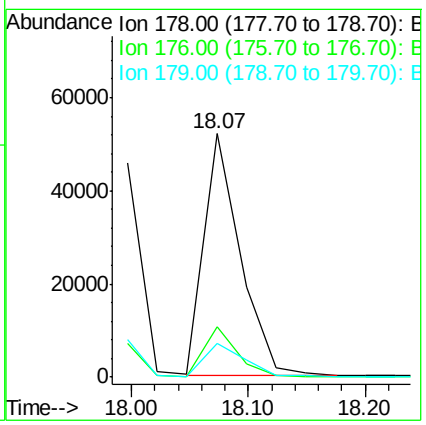


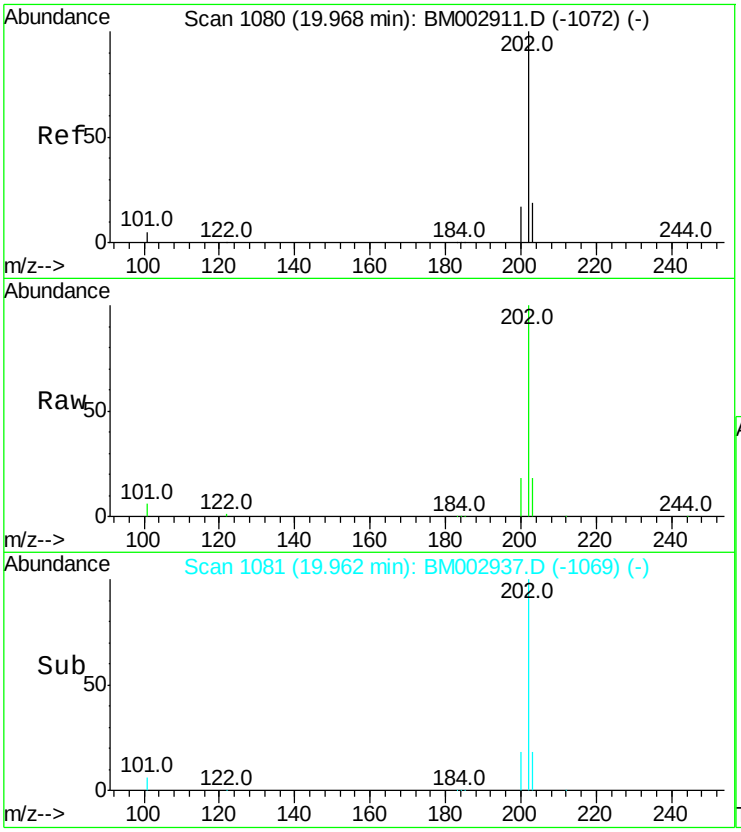


#24
Anthracene
Concen: 0.93 ng
RT: 18.07 min Scan# 989
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:178 Resp: 111648

Ion	Ratio	Lower	Upper
178	100		
176	18.8	13.9	20.9
179	14.7	12.6	18.8



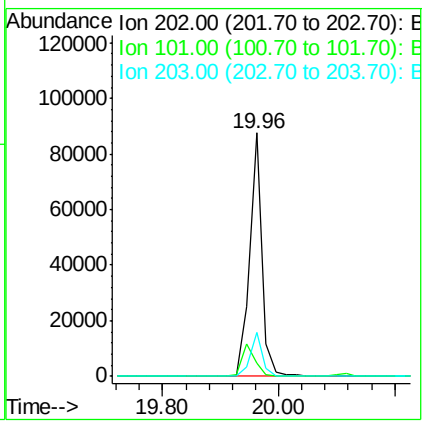


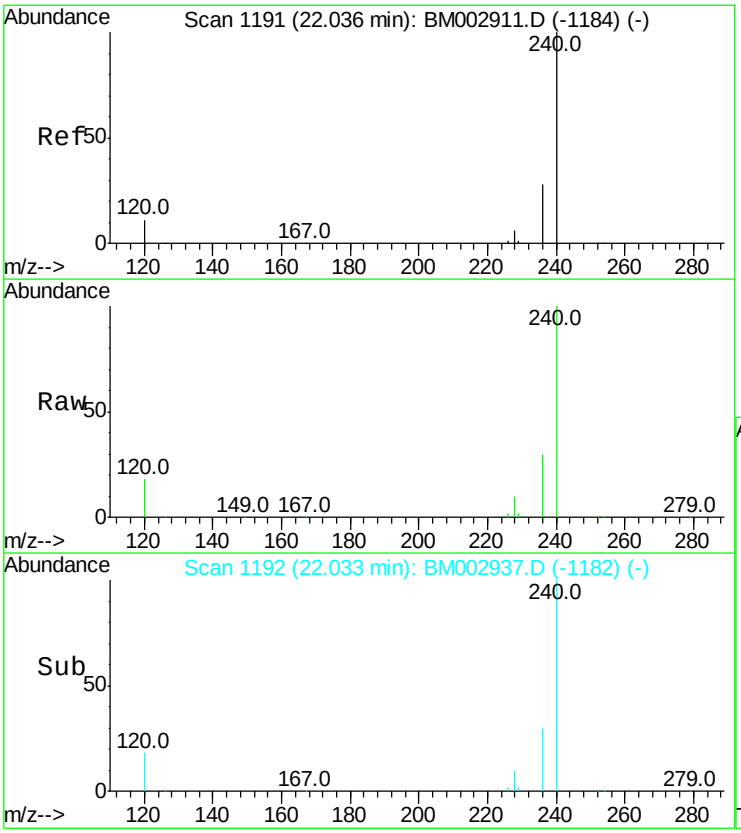
#25
Fluoranthene
Concen: 0.94 ng
RT: 19.96 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:202 Resp: 130493

Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.0	16.6
203	17.5	13.8	20.6

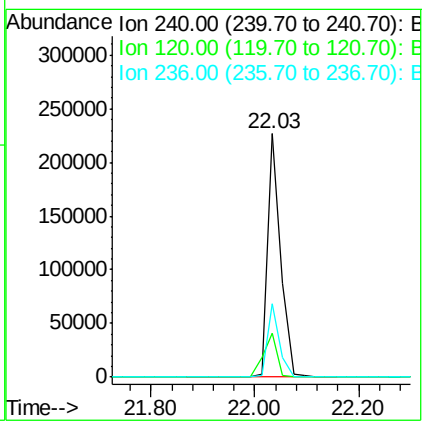


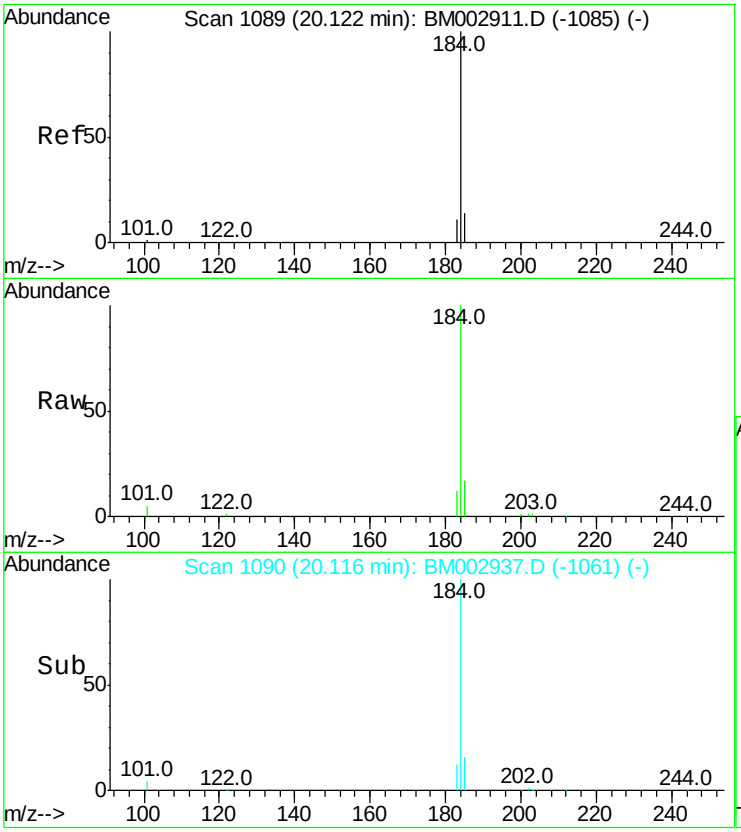


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.03 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:240 Resp: 395755

Ion	Ratio	Lower	Upper
240	100		
120	18.2	3.3	4.9#
236	30.3	19.5	29.3#



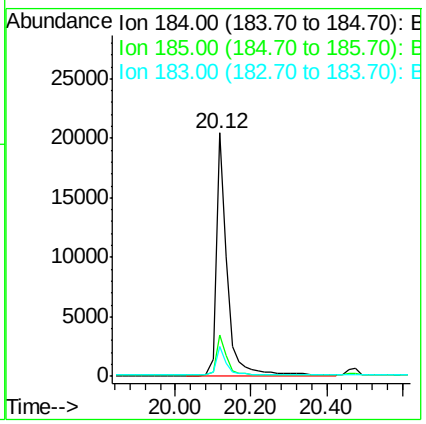


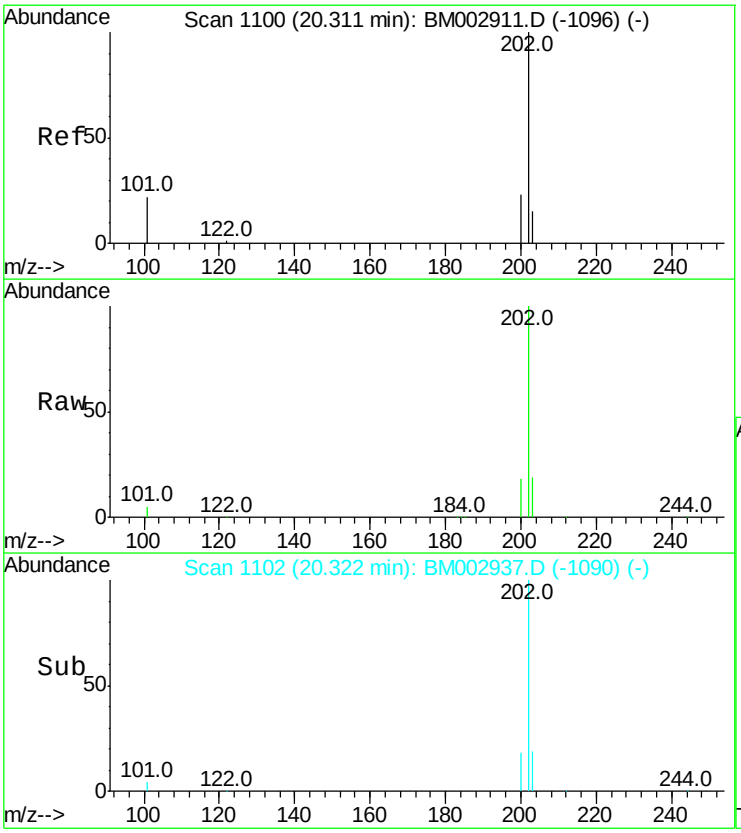
#27
Benzidine
Concen: 0.82 ng
RT: 20.12 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:184 Resp: 39583

Ion	Ratio	Lower	Upper
184	100		
185	16.9	12.0	18.0
183	12.5	8.9	13.3

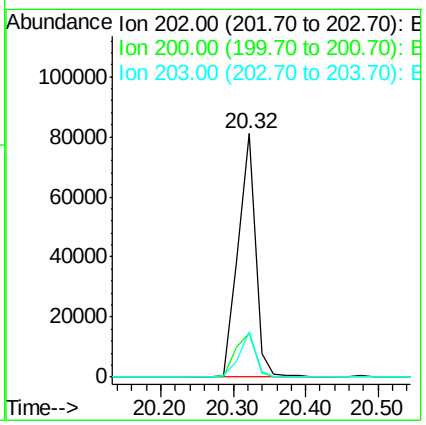


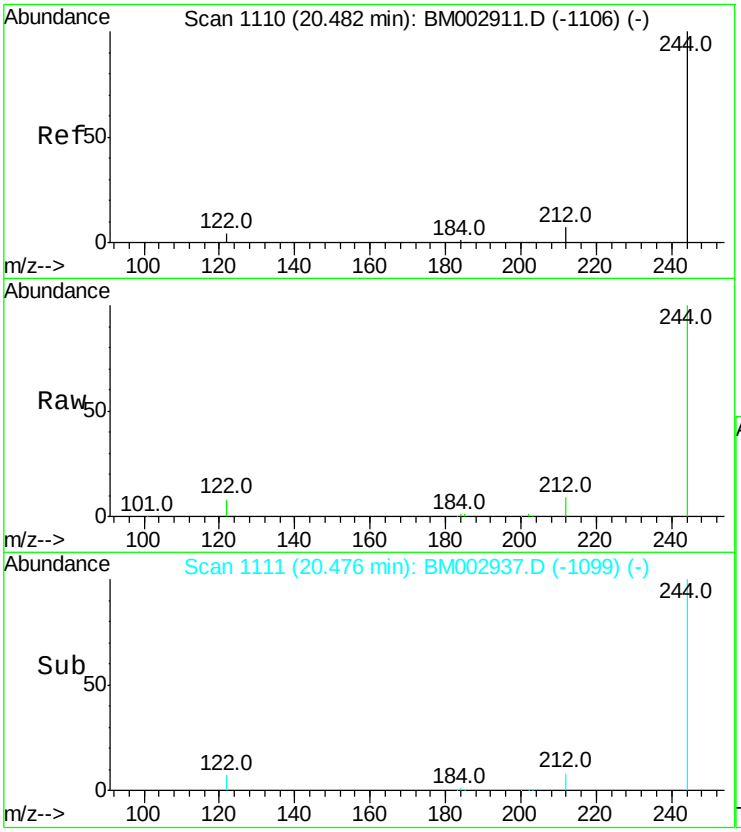


#28
Pyrene
Concen: 1.14 ng
RT: 20.32 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:202 Resp: 132693

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.4
203	17.6	13.8	20.8



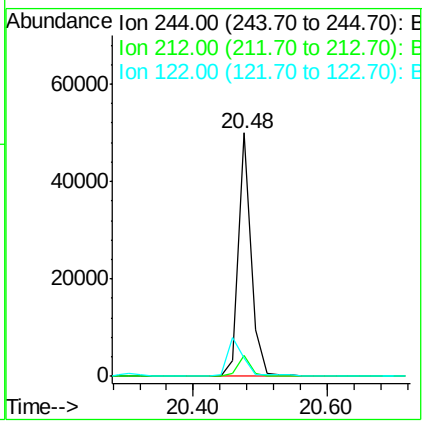


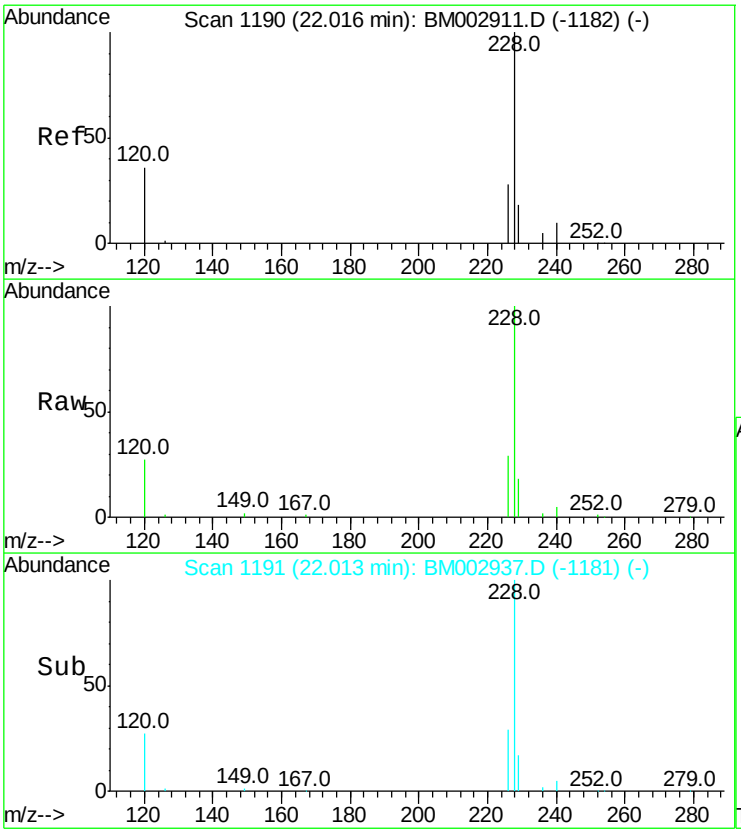
#29
Terphenyl-d14
Concen: 1.11 ng
RT: 20.48 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:244 Resp: 65698

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.6	8.4#
122	7.8	2.2	3.2#

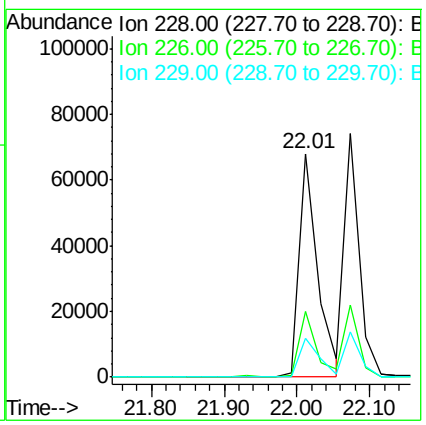


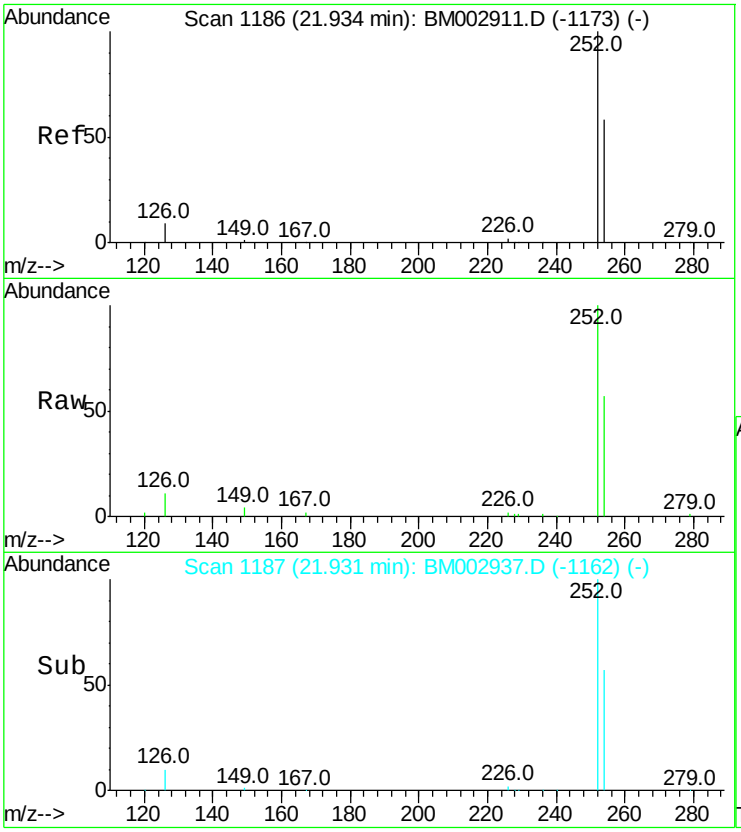


#30
Benzo(a)anthracene
Concen: 1.04 ng
RT: 22.01 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:228 Resp: 119265

Ion	Ratio	Lower	Upper
228	100		
226	29.3	19.0	28.6#
229	17.5	16.8	25.2



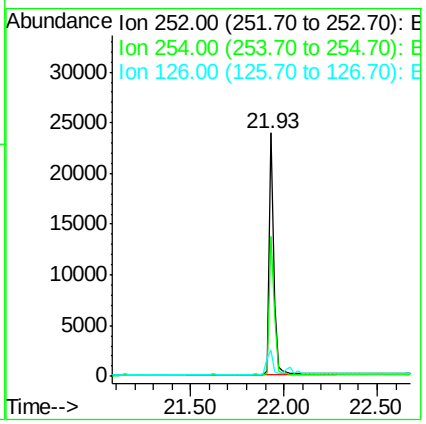


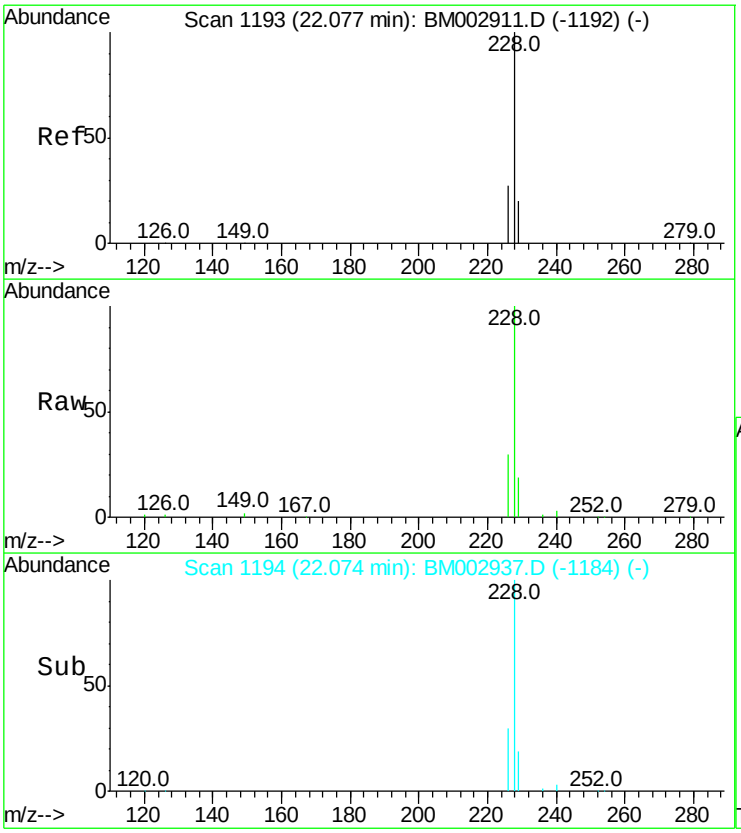
#31
3,3'-Dichlorobenzidine
Concen: 1.08 ng
RT: 21.93 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:252 Resp: 41863

Ion	Ratio	Lower	Upper
252	100		
254	57.3	54.1	81.1
126	10.6	4.1	6.1#

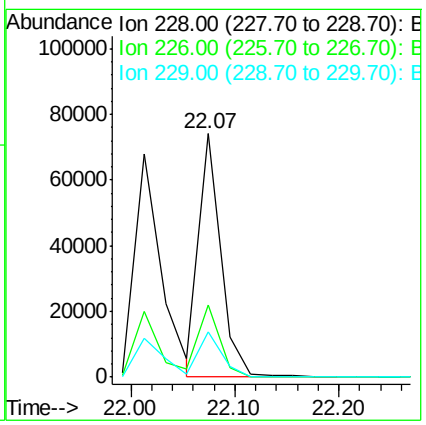


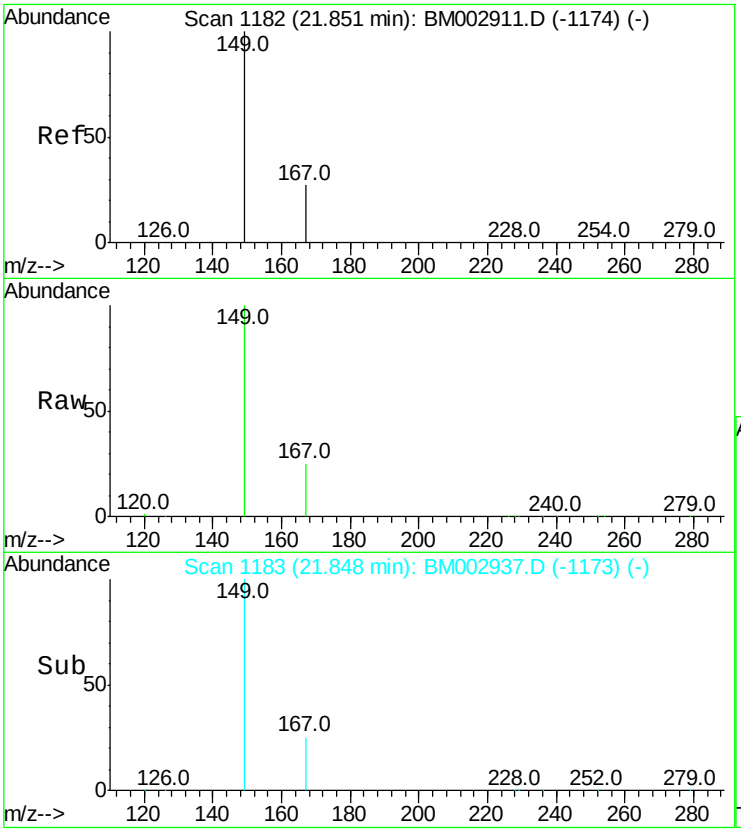


#32
Chrysene
Concen: 1.00 ng
RT: 22.07 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:228 Resp: 107278

Ion	Ratio	Lower	Upper
228	100		
226	29.7	20.6	30.8
229	18.8	17.4	26.2



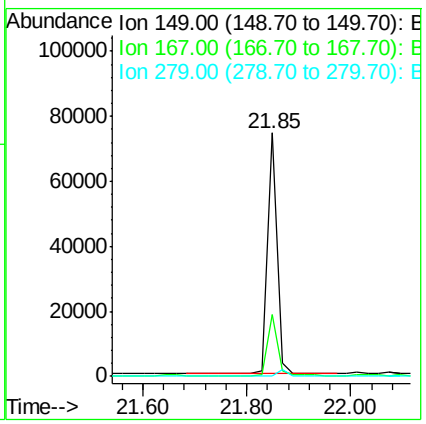


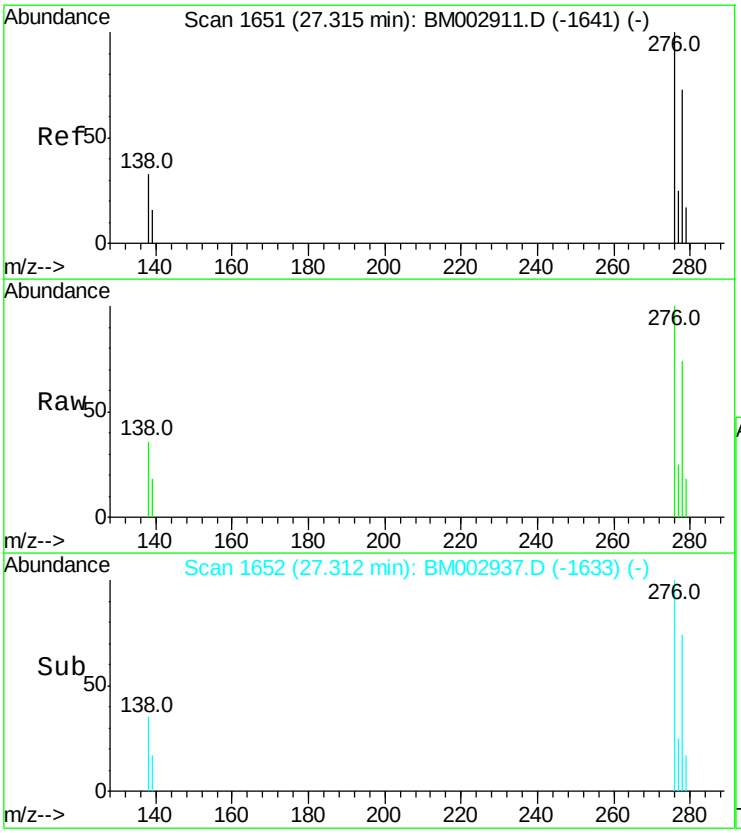
#33
Bis(2-ethylhexyl)phthalate
Concen: 1.34 ng
RT: 21.85 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:149 Resp: 97552

Ion	Ratio	Lower	Upper
149	100		
167	25.9	17.2	25.8#
279	0.0	2.2	3.4#

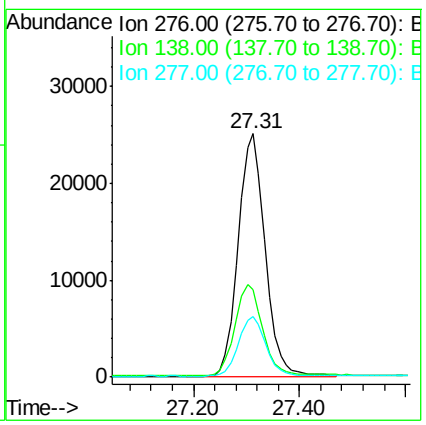


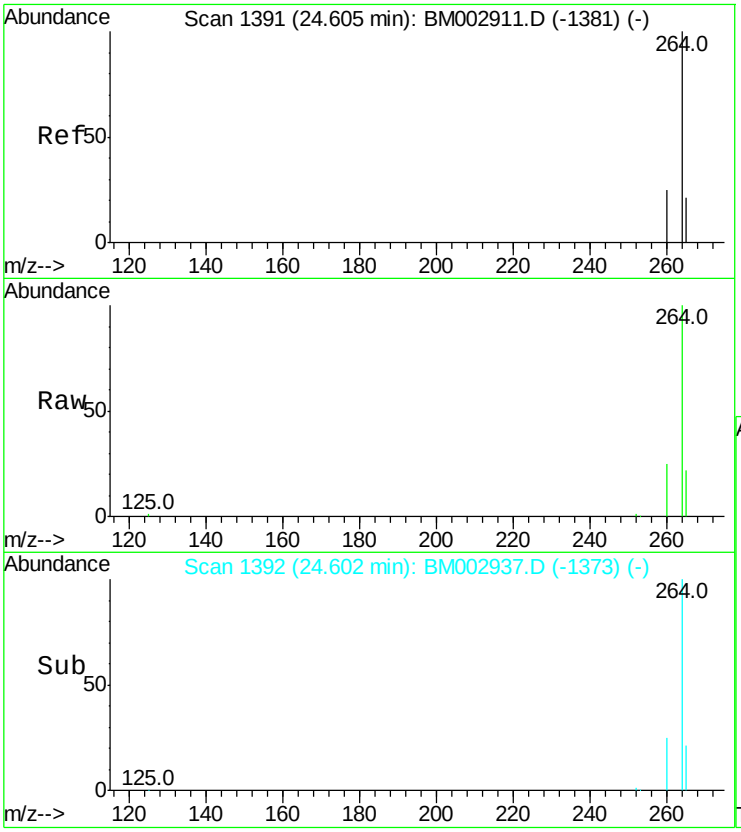


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.80 ng
RT: 27.31 min Scan# 1652
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:276 Resp: 87950

Ion	Ratio	Lower	Upper
276	100		
138	38.2	29.0	43.6
277	24.8	19.8	29.8



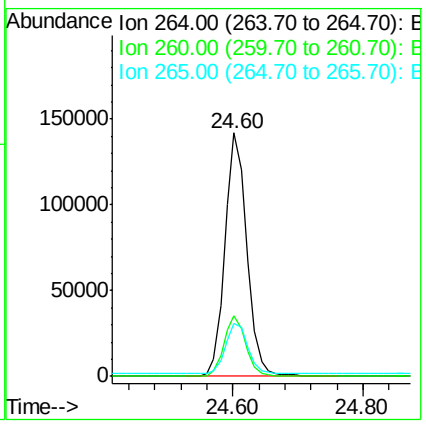


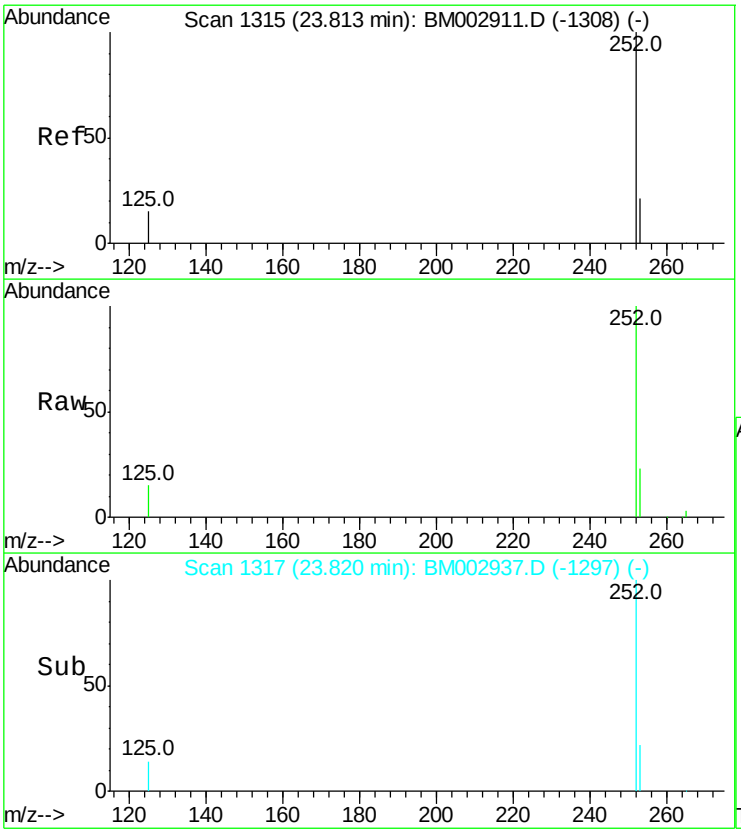
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.60 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:264 Resp: 327998

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	21.9	17.6	26.4

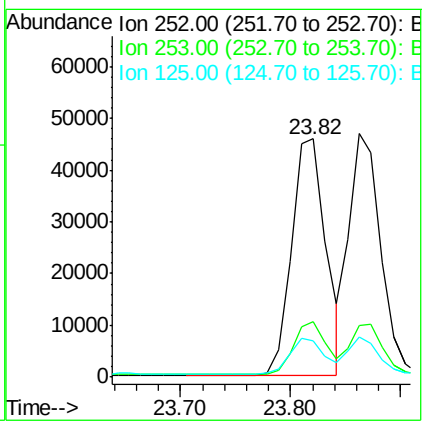


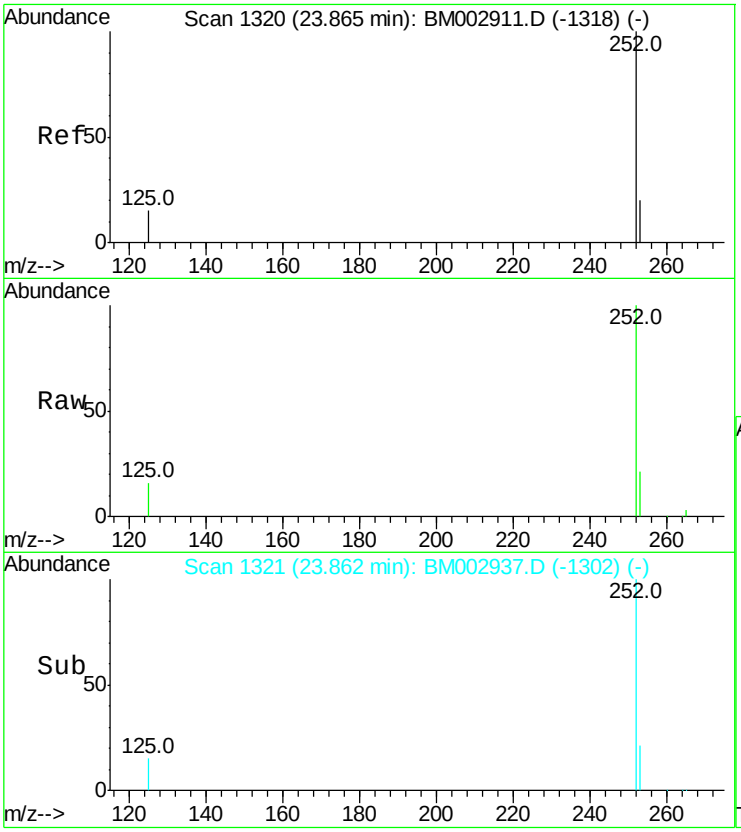


#36
Benzo(b)fluoranthene
Concen: 1.05 ng
RT: 23.82 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:252 Resp: 98976

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.3	12.4	18.6



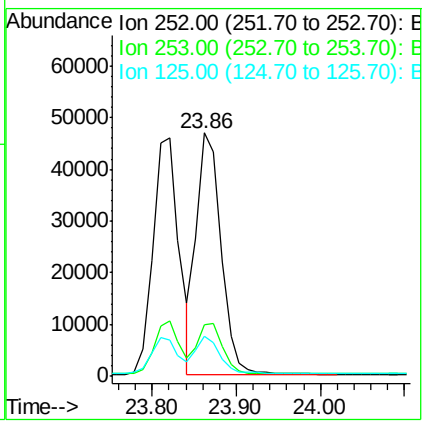


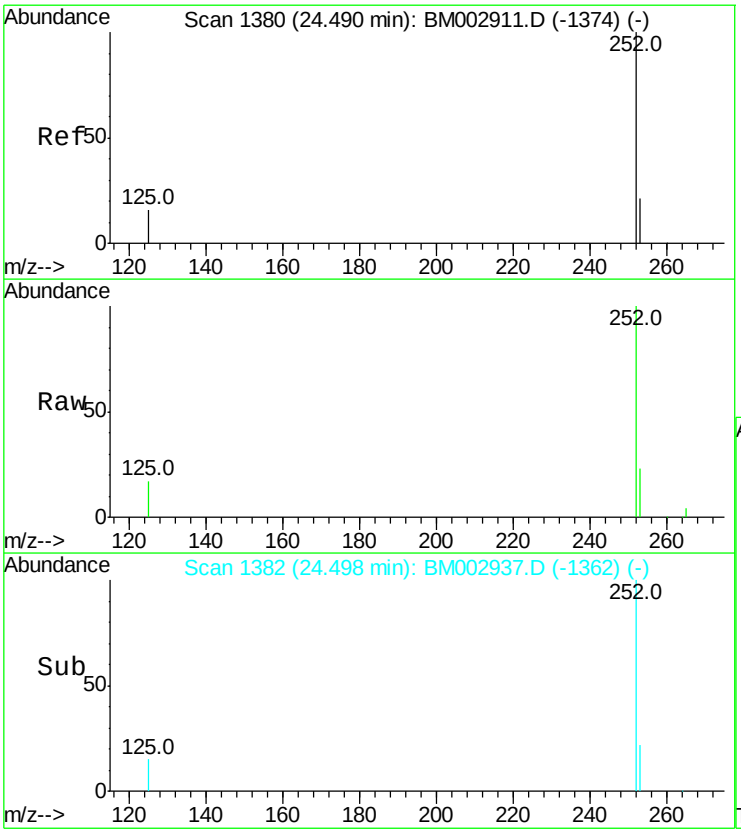
#37
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 23.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:252 Resp: 93747

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	16.4	12.3	18.5

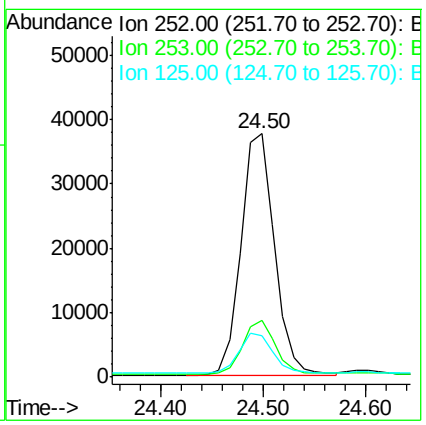


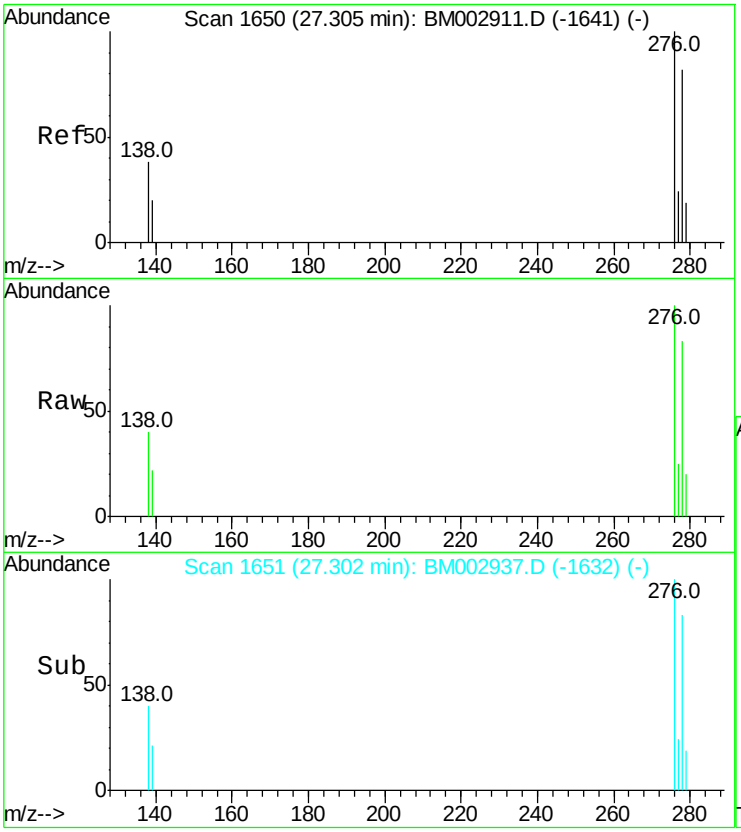


#38
Benzo(a)pyrene
Concen: 1.03 ng
RT: 24.50 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:252 Resp: 85468

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	16.9	13.3	19.9



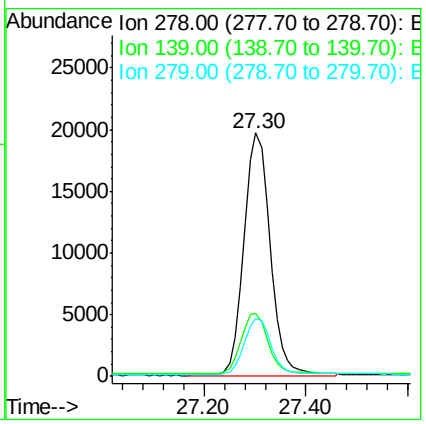


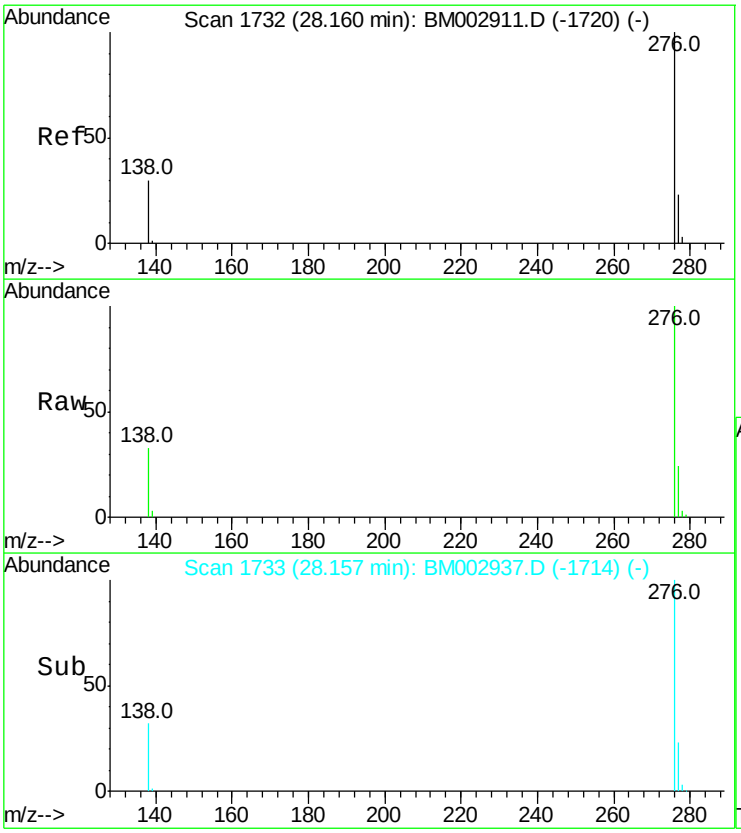
#39
Dibenzo(a,h)anthracene
Concen: 0.88 ng
RT: 27.30 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:278 Resp: 70183

Ion	Ratio	Lower	Upper
278	100		
139	26.2	19.8	29.6
279	24.0	19.1	28.7





#40
Benzo(g,h,i)perylene
Concen: 0.85 ng
RT: 28.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: BM002937.D
Acq: 16 Oct 2015 16:42

Tgt Ion:276 Resp: 70855

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	33.0	24.4	36.6