Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002923.D
Acq On : 15 Oct 2015 20:34
Operator : UM/IZ
Sample : G4018-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : RAV-GT-104

Quant Time: Oct 16 07:01:22 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 06:59:27 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	93130	5.00	ng		0.00
7) Naphthalene-d8	11.50	136	391522	5.00	ng		0.00
13) Acenaphthene-d10	15.23	164	206281	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	451919	5.00	ng		0.00
26) Chrysene-d12	22.04	240	423041	5.00	ng		0.00
35) Perylene-d12	24.60	264	360942	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.12	112	54884	3.15	ng		-0.03
5) Phenol-d6	7.79	99	44075	1.98	ng		-0.02
8) Nitrobenzene-d5	9.85	82	75134	4.01	ng		-0.01
14) 2,4,6-Tribromophenol	16.72	330	69551	8.60	ng		0.00
15) 2-Fluorobiphenyl	13.88	172	272284	4.12	ng		0.00
29) Terphenyl-d14	20.48	244	273546	4.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.78	88	182	0.02	ng	#	34
3) n-Nitrosodimethylamine	4.11	42	117	0.02	ng	#	1
6) bis(2-Chloroethyl)ether	7.97	93	144	0.01	ng	#	43
9) Nitrobenzene	9.97	77	28	0.00	ng	#	35
10) Naphthalene	11.56	128	2344	0.03	ng	#	79
11) Hexachlorobutadiene	11.81	225	68	0.00	ng		86
12) 2-Methylnaphthalene	13.14	142	639	0.01	ng	#	59
16) Acenaphthylene	14.96	152	6718	0.07	ng		95
17) Acenaphthene	15.30	154	6817	0.11	ng	#	100
18) Fluorene	16.23	166	3325	0.05	ng	#	72
20) 4-Bromophenyl-phenylether	17.13	248	1031	0.06	ng	#	29
21) Hexachlorobenzene	17.26	284	124	Below Cal		#	42
22) Pentachlorophenol	17.67	266	92	0.28	ng	#	77
23) Phenanthrene	17.98	178	4219	0.04	ng	#	78
24) Anthracene	18.10	178	5821	0.06	ng	#	80
25) Fluoranthene	19.97	202	34838	0.30	ng		100
27) Benzidine	20.14	184	316	0.16	ng	#	1
28) Pyrene	20.31	202	111294	0.89	ng	#	95
30) Benzo(a)anthracene	22.02	228	20548	0.17	ng		92
31) 3,3'-Dichlorobenzidine	21.94	252	87	0.00	ng	#	56
32) Chrysene	22.02	228	20484	0.18	ng		95
33) Bis(2-ethylhexyl)phthalate	21.85	149	7119	0.37	ng	#	83
34) Indeno(1,2,3-cd)pyrene	27.34	276	713	0.01	ng	#	92
36) Benzo(b)fluoranthene	23.83	252	2097	0.02	ng	#	1
37) Benzo(k)fluoranthene	23.83	252	2087	0.02	ng	#	1
38) Benzo(a)pyrene	24.49	252	1215	0.01	ng	#	1
39) Dibenzo(a,h)anthracene	27.33	278	498	0.01	ng	#	1
40) Benzo(g,h,i)perylene	28.17	276	639	0.01	ng	#	12

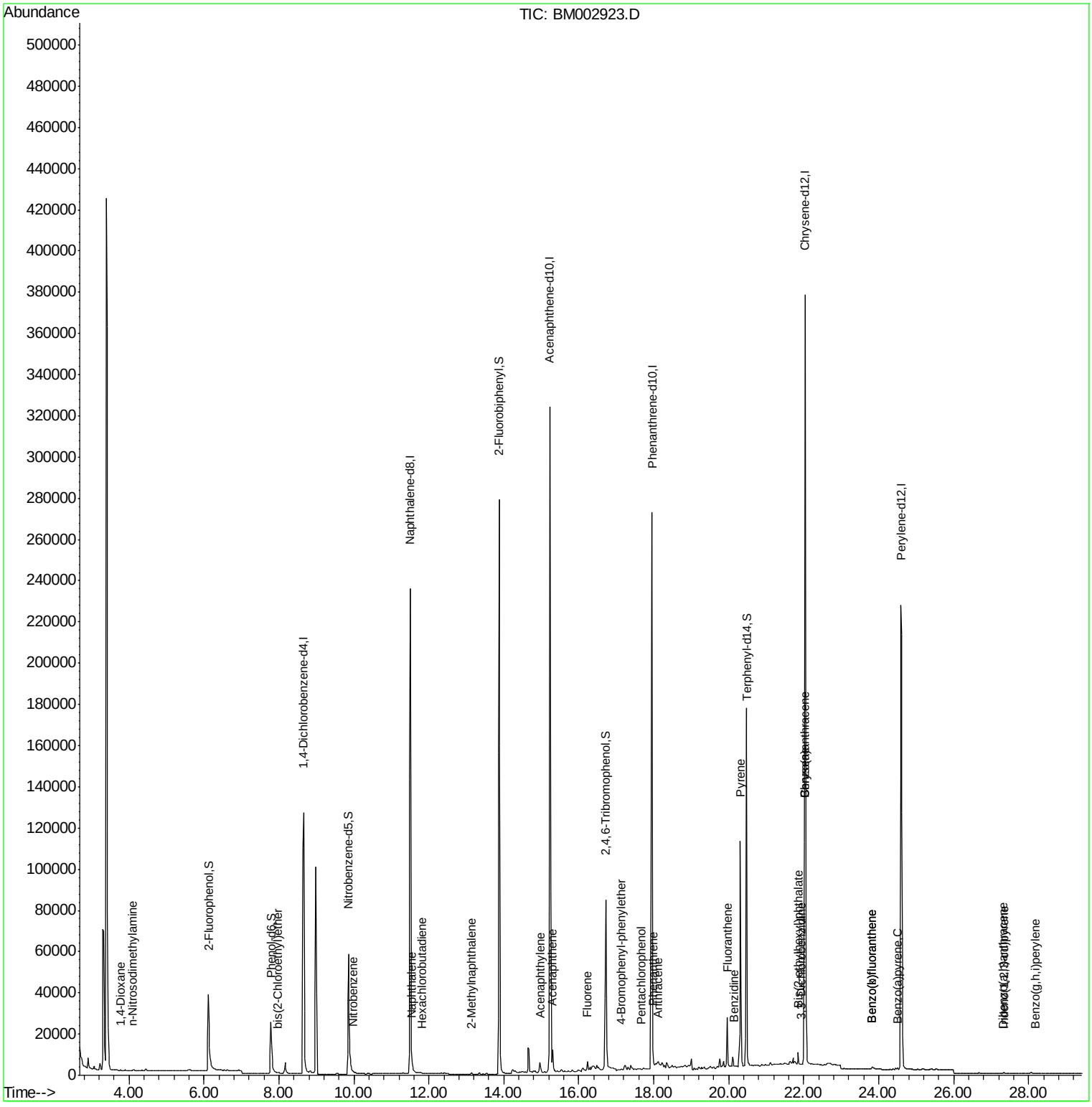
(#) = qualifier out of range (m) = manual integration (+) = signals summed

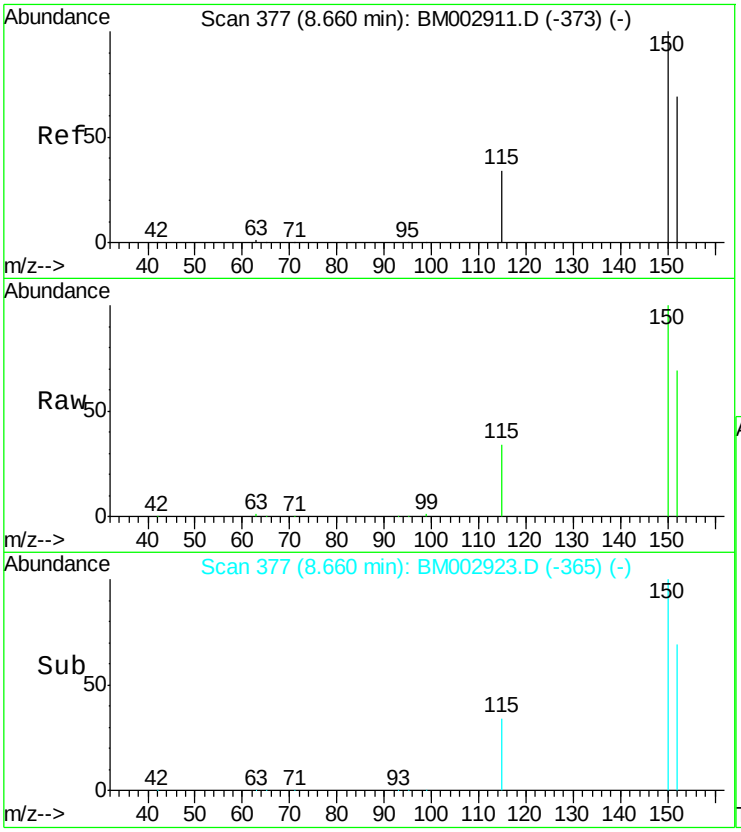
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002923.D
Acq On : 15 Oct 2015 20:34
Operator : UM/IZ
Sample : G4018-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Quant Time: Oct 16 07:01:22 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 06:59:27 2015
Response via : Initial Calibration



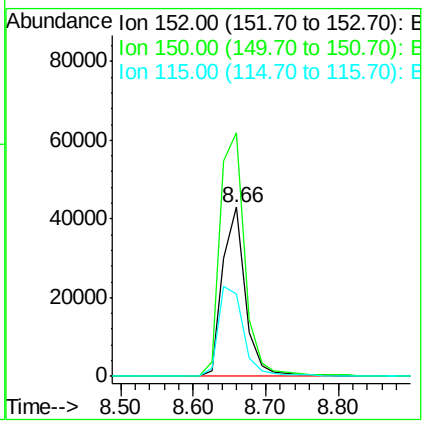


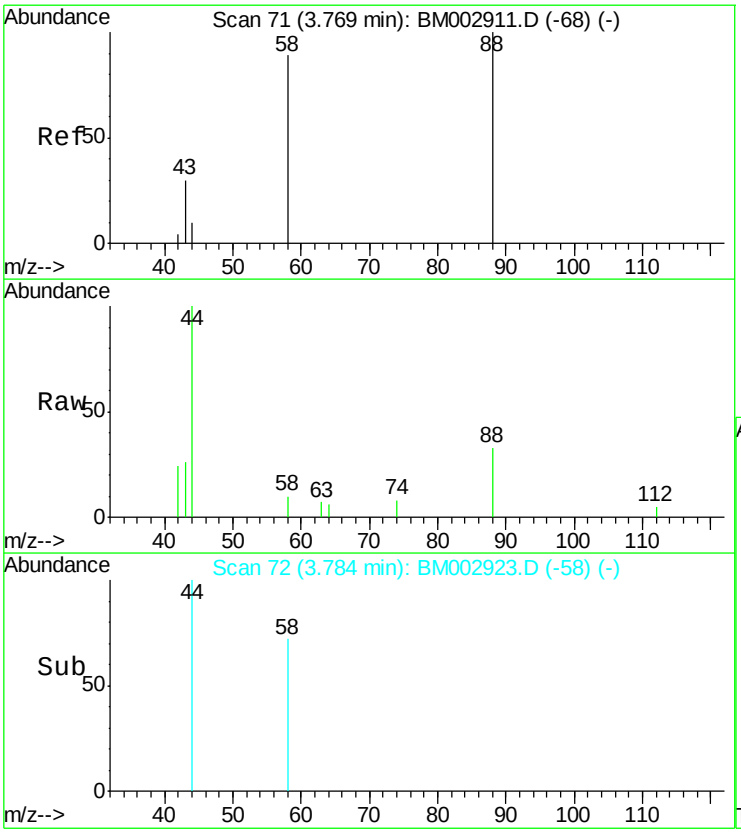
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:152 Resp: 93130

Ion	Ratio	Lower	Upper
152	100		
150	144.0	113.0	169.6
115	49.1	37.9	56.9

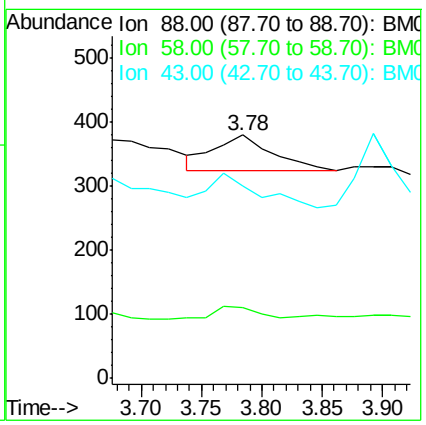


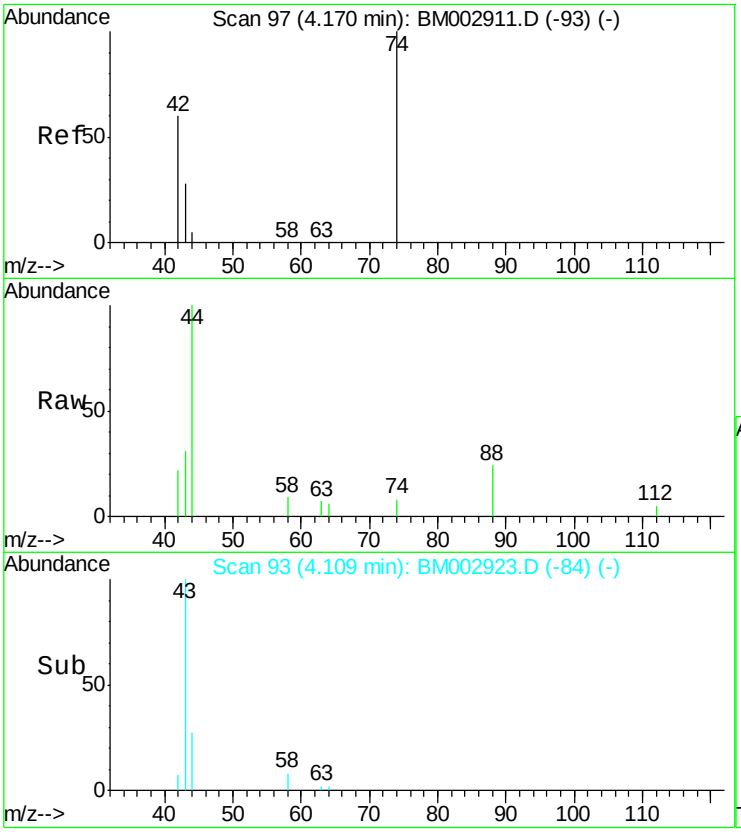


#2
1,4-Dioxane
Concen: 0.02 ng
RT: 3.78 min Scan# 72
Delta R.T. 0.02 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion: 88 Resp: 182

Ion	Ratio	Lower	Upper
88	100		
58	27.5	56.7	85.1#
43	80.8	22.0	33.0#



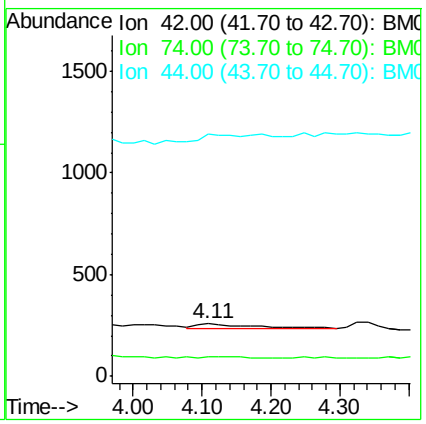


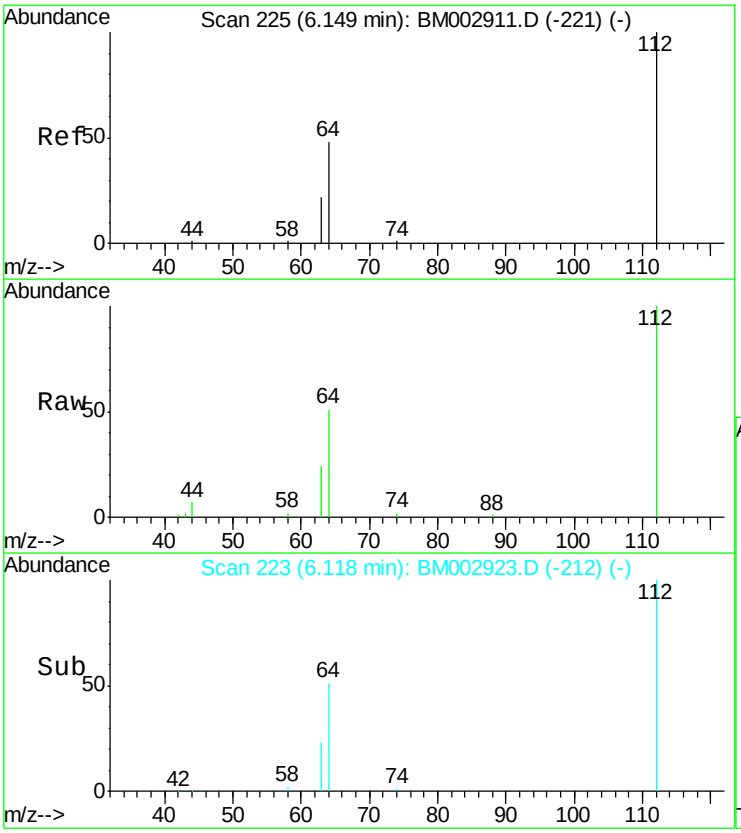
#3
n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 4.11 min Scan# 93
Delta R.T. -0.06 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion: 42 Resp: 117

Ion	Ratio	Lower	Upper
42	100		
74	9.4	119.7	179.5#
44	188.9	9.8	14.6#

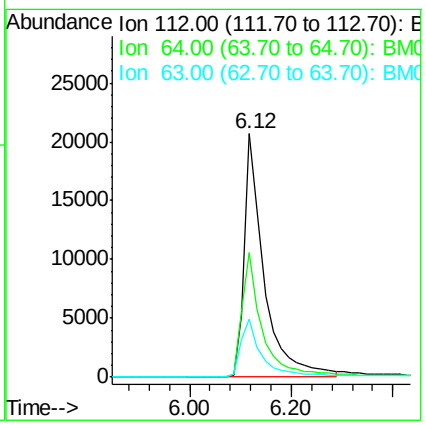


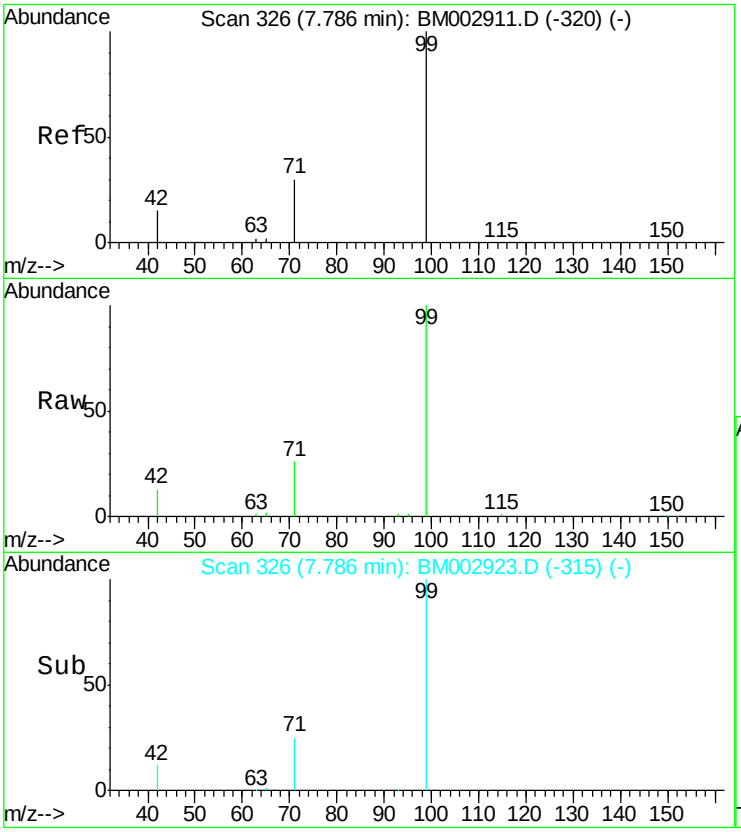


#4
2-Fluorophenol
Concen: 3.15 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:112 Resp: 54884

Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.0	63.0
63	24.4	20.0	30.0



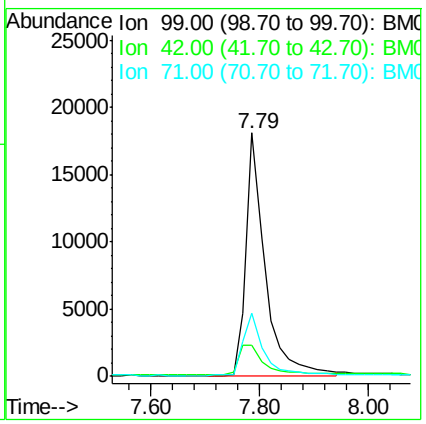


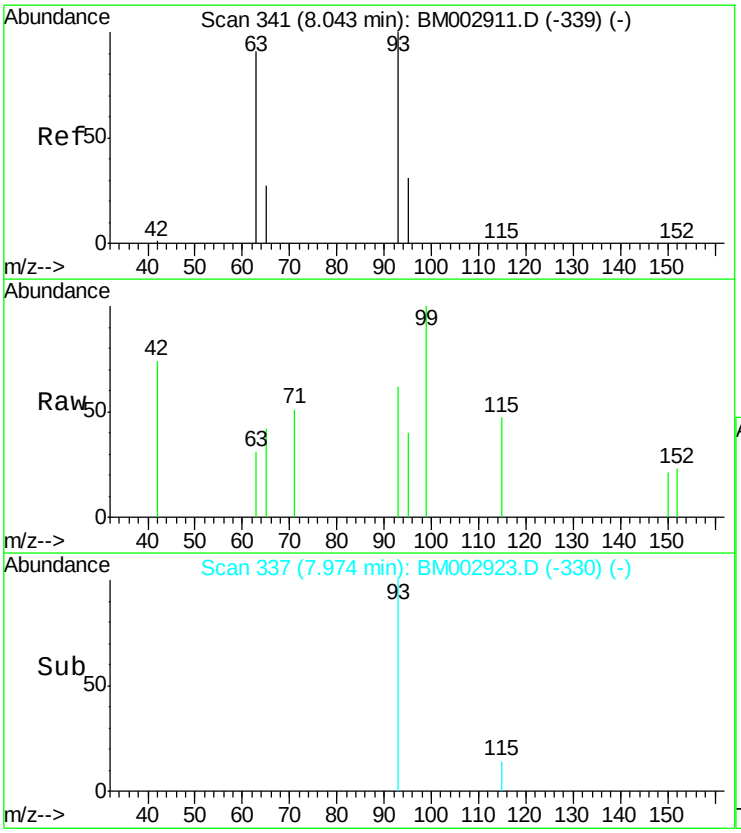
#5
Phenol-d6
Concen: 1.98 ng
RT: 7.79 min Scan# 326
Delta R.T. -0.02 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion: 99 Resp: 44075

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.4	18.6
71	26.9	21.4	32.0

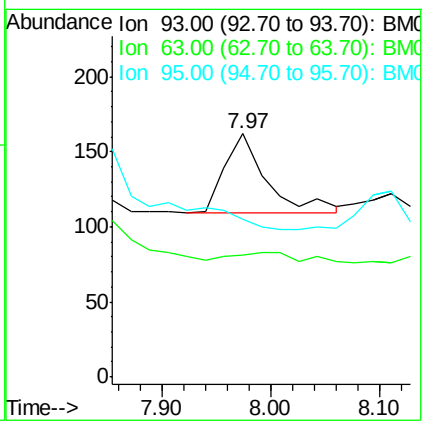


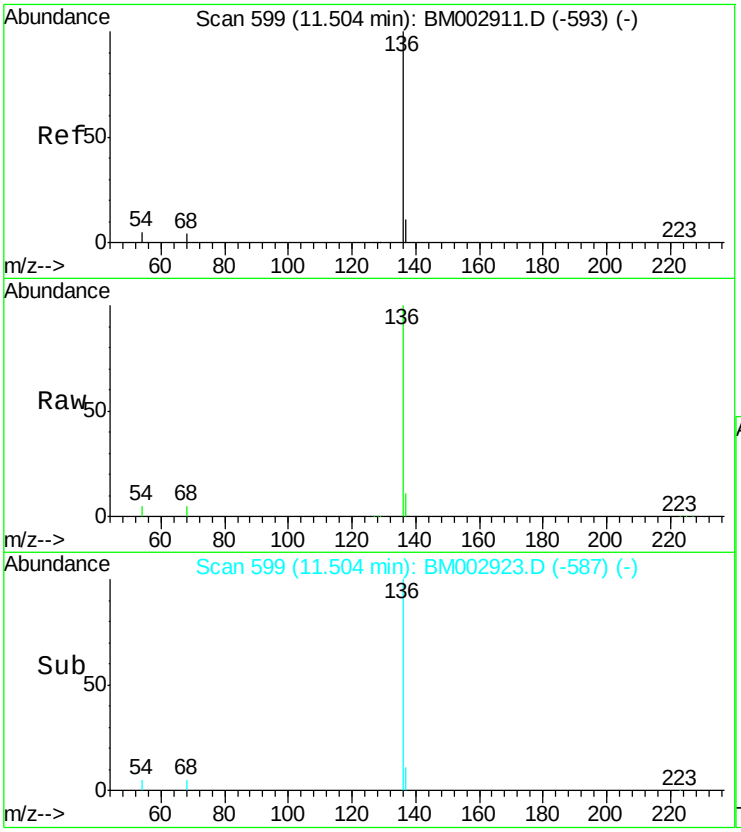


#6
bis(2-Chloroethyl)ether
Concen: 0.01 ng
RT: 7.97 min Scan# 337
Delta R.T. -0.09 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion: 93 Resp: 144

Ion	Ratio	Lower	Upper
93	100		
63	20.8	52.9	79.3#
95	0.0	25.2	37.8#



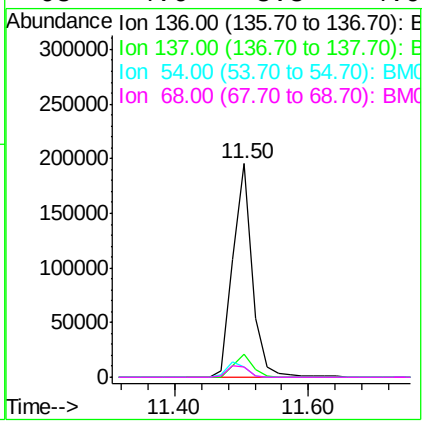


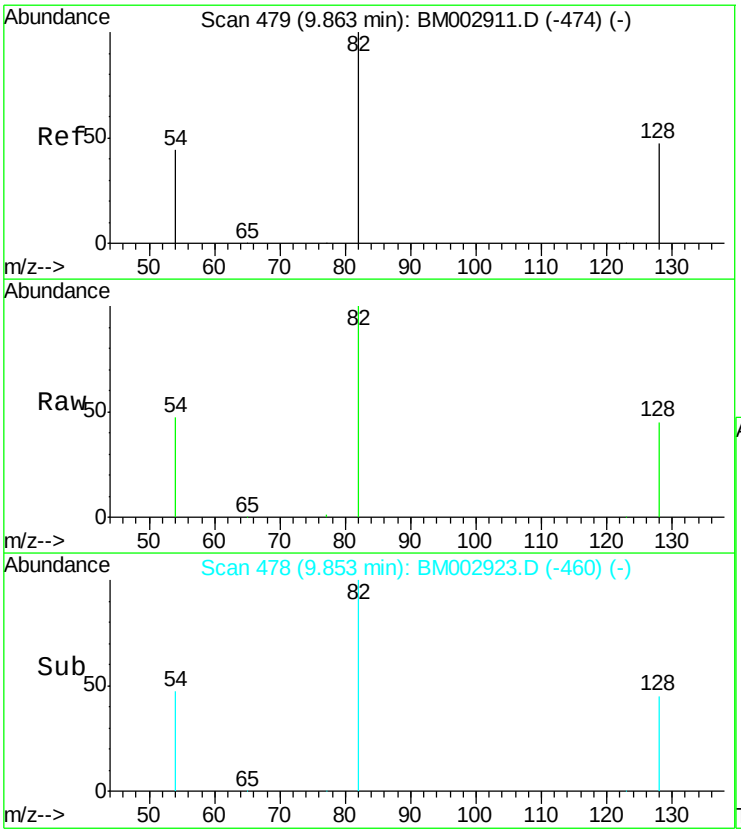
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.50 min Scan# 599
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:136 Resp: 391522

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	4.9	3.5	5.3
68	4.6	3.3	4.9

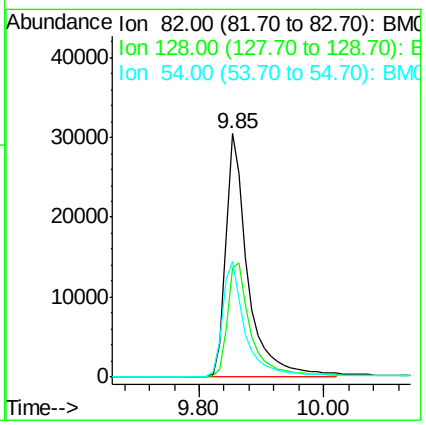


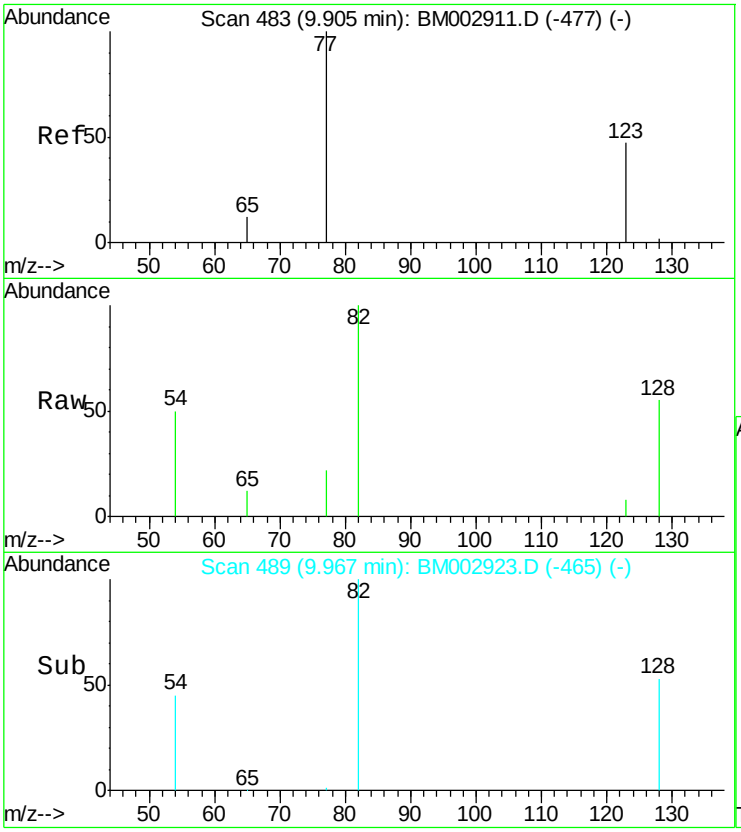


#8
Nitrobenzene-d5
Concen: 4.01 ng
RT: 9.85 min Scan# 478
Delta R.T. -0.01 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion: 82 Resp: 75134

Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.1	51.1
54	47.3	42.6	63.8



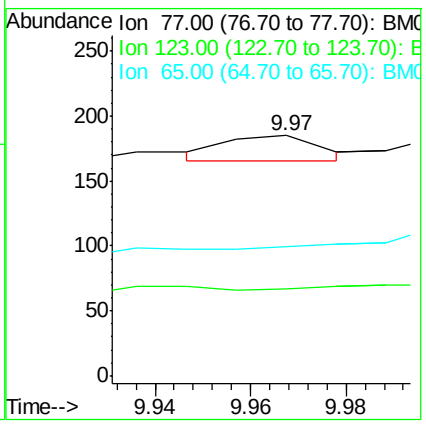


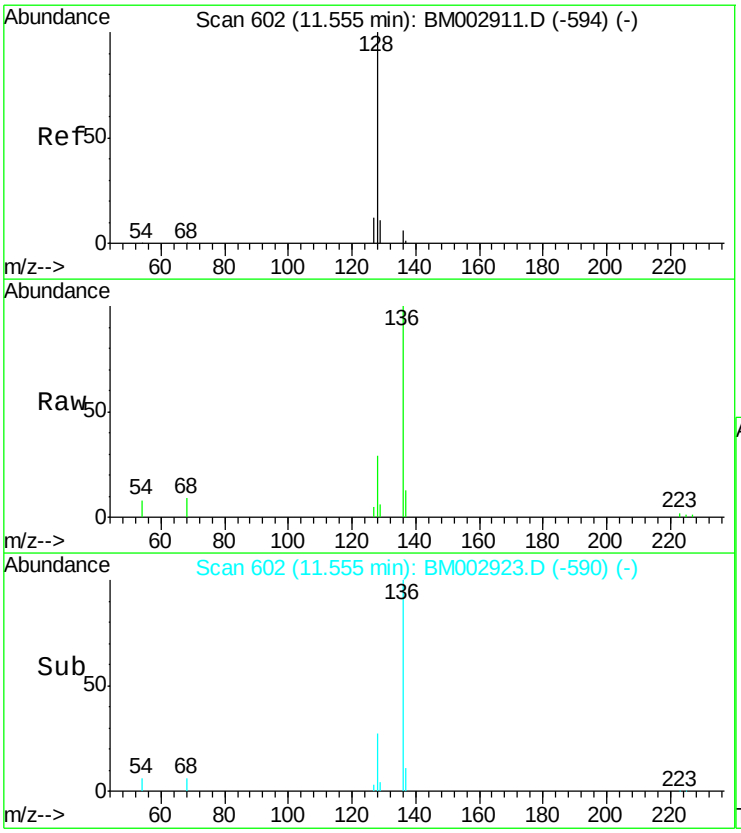
#9
Nitrobenzene
Concen: 0.00 ng
RT: 9.97 min Scan# 489
Delta R.T. 0.05 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion: 77 Resp: 28

Ion	Ratio	Lower	Upper
77	100		
123	0.0	41.0	61.4#
65	0.0	9.7	14.5#

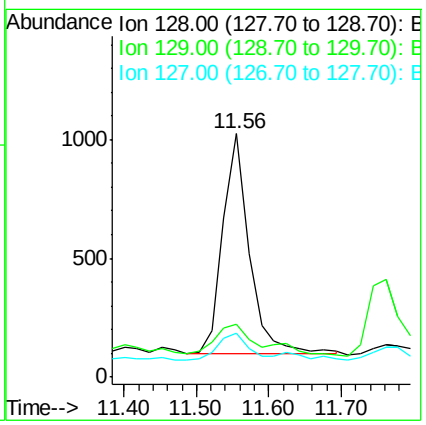


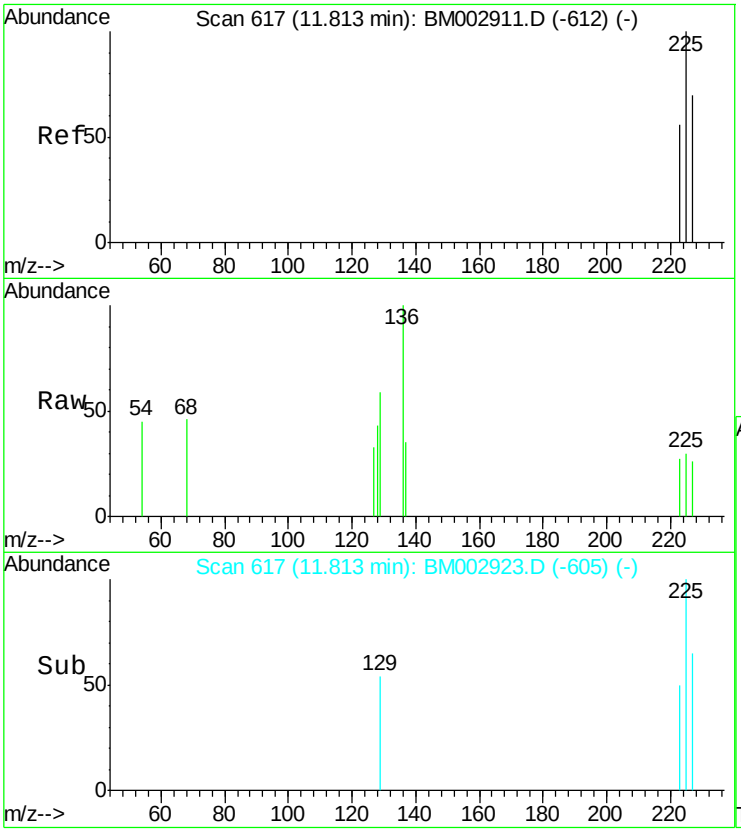


#10
Naphthalene
Concen: 0.03 ng
RT: 11.56 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:128 Resp: 2344

Ion	Ratio	Lower	Upper
128	100		
129	21.7	9.4	14.2#
127	18.2	9.6	14.4#



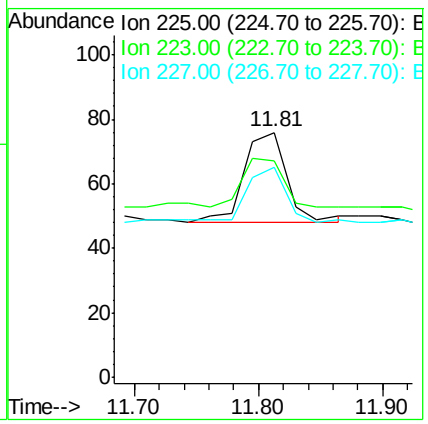


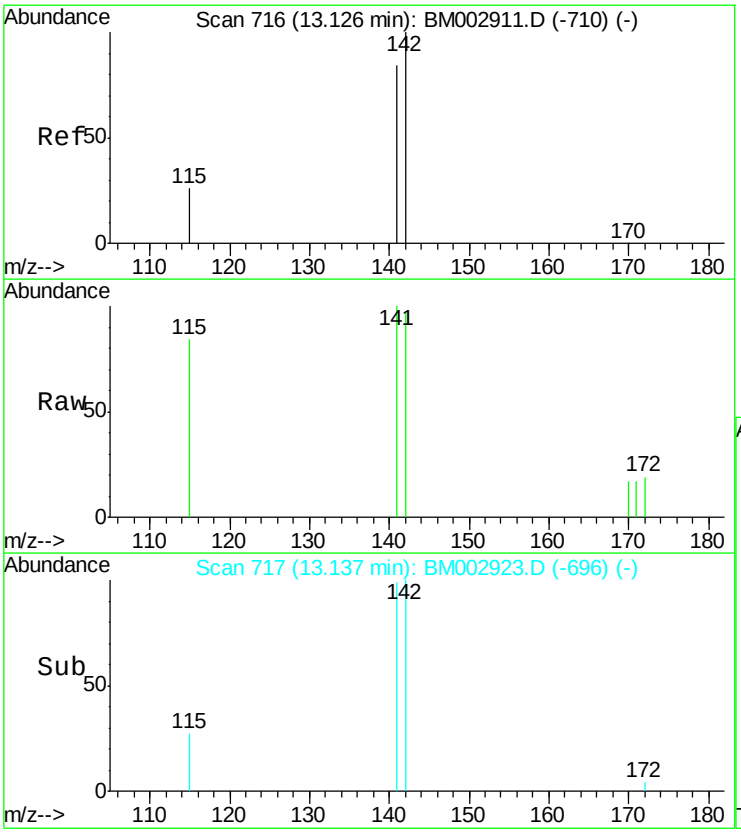
#11
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.81 min Scan# 617
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:225 Resp: 68

Ion	Ratio	Lower	Upper
225	100		
223	75.0	50.1	75.1
227	54.4	51.2	76.8

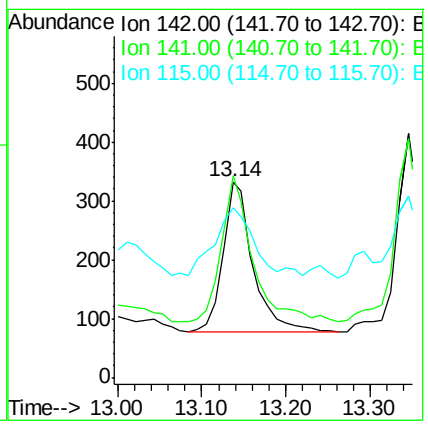


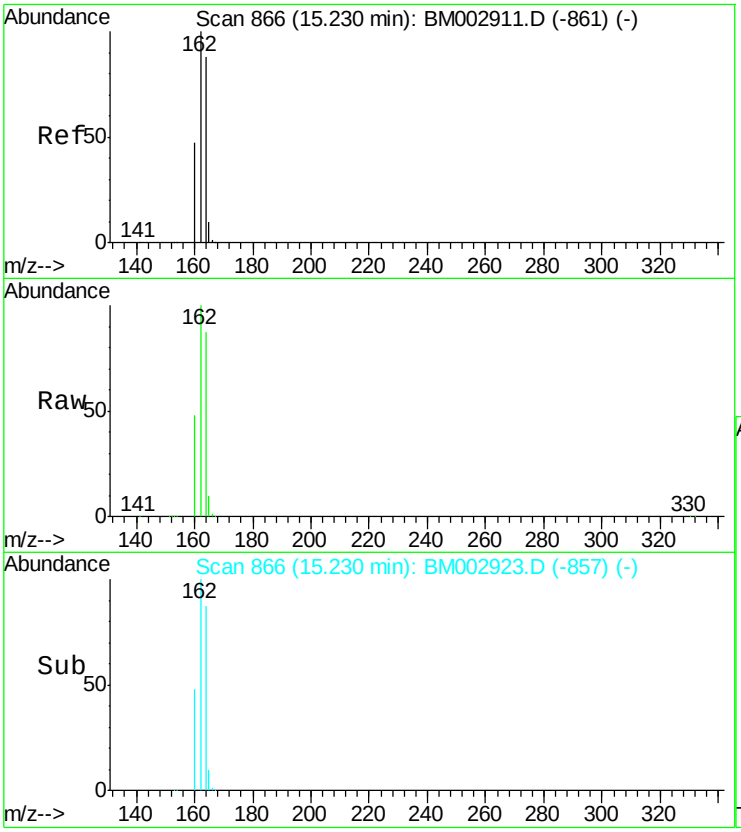


#12
2-Methylnaphthalene
Concen: 0.01 ng
RT: 13.14 min Scan# 717
Delta R.T. 0.02 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:142 Resp: 639

Ion	Ratio	Lower	Upper
142	100		
141	103.0	69.4	104.0
115	86.8	22.7	34.1#



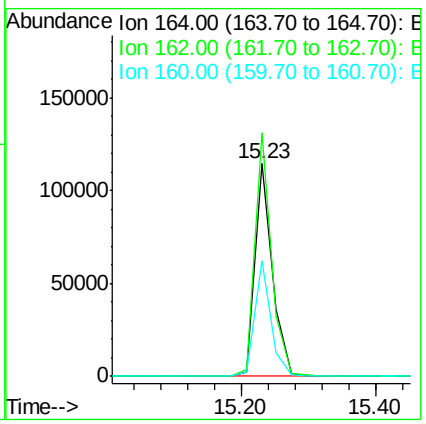


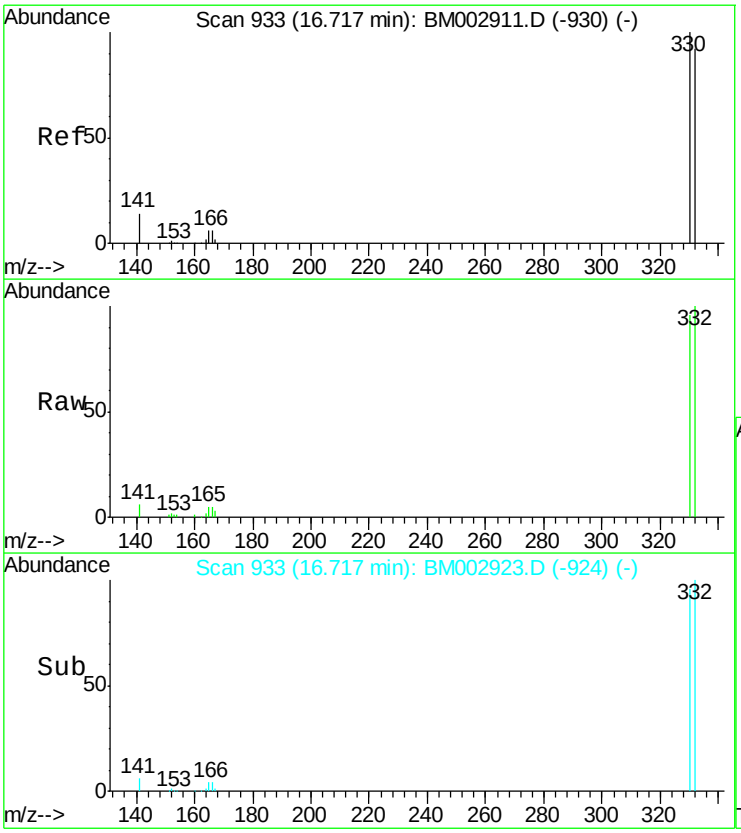
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:164 Resp: 206281

Ion	Ratio	Lower	Upper
164	100		
162	114.7	79.6	119.4
160	54.6	33.1	49.7#

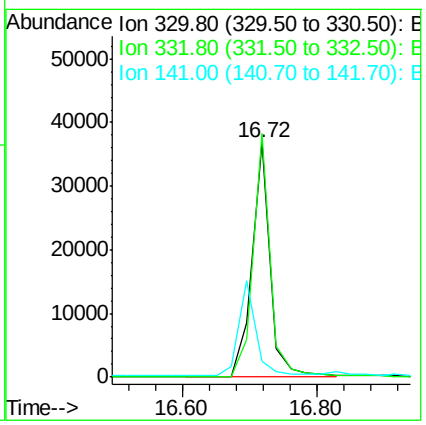


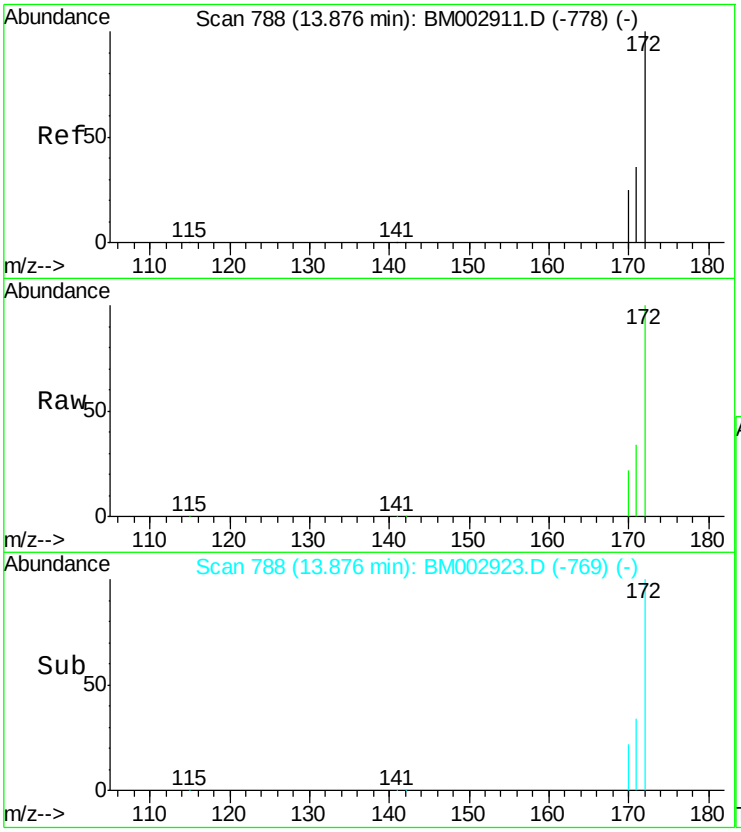


#14
2,4,6-Tribromophenol
Concen: 8.60 ng
RT: 16.72 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:330 Resp: 69551

Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.6	115.0
141	0.0	0.0	0.0



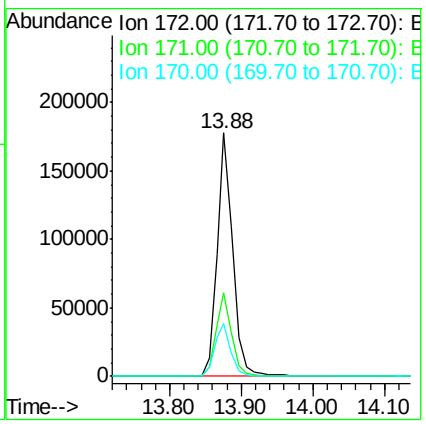


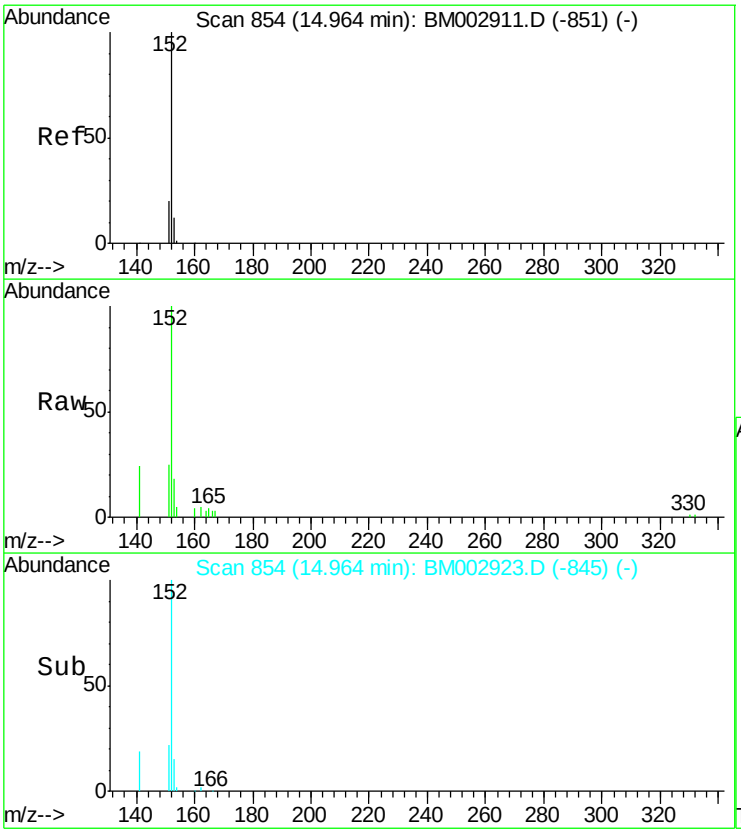
#15
2-Fluorobiphenyl
Concen: 4.12 ng
RT: 13.88 min Scan# 788
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:172 Resp: 272284

Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.1	39.1
170	21.9	15.7	23.5

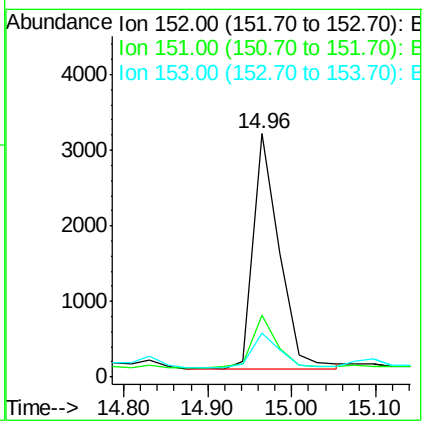


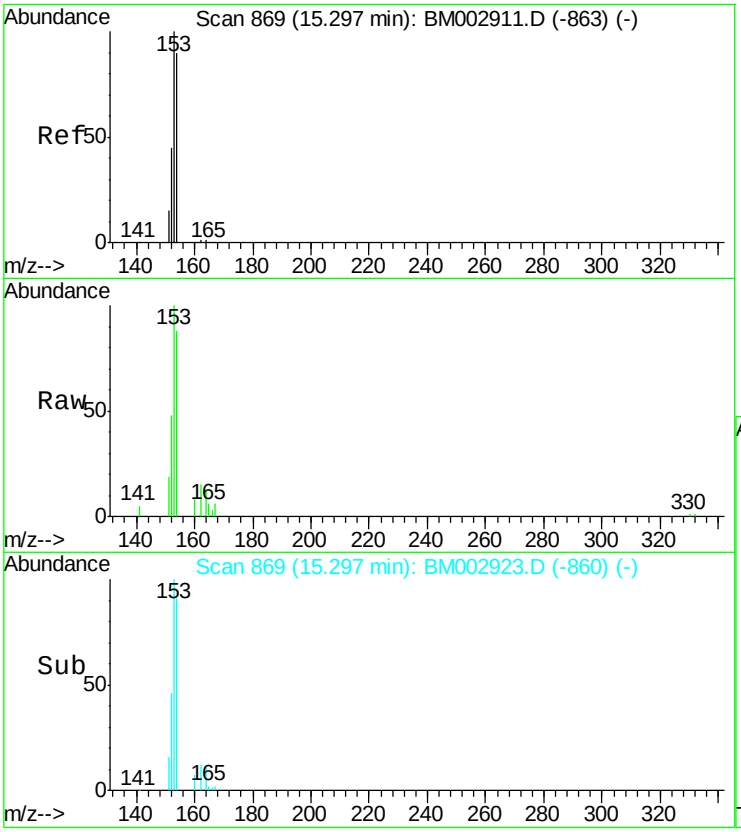


#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.96 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:152 Resp: 6718

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.3	22.9
153	15.6	10.5	15.7



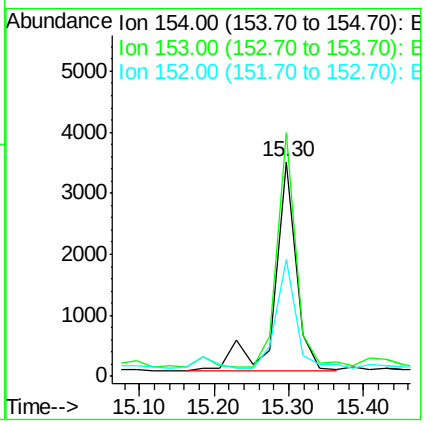


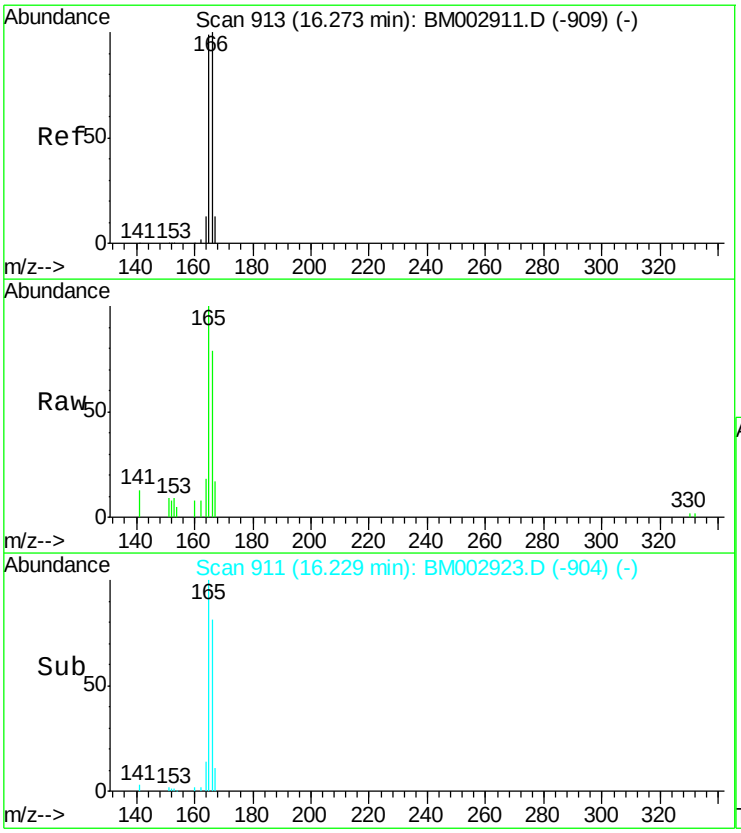
#17
Acenaphthene
Concen: 0.11 ng
RT: 15.30 min Scan# 869
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:154 Resp: 6817

Ion	Ratio	Lower	Upper
154	100		
153	97.1	0.0	0.0#
152	49.2	0.0	0.0#

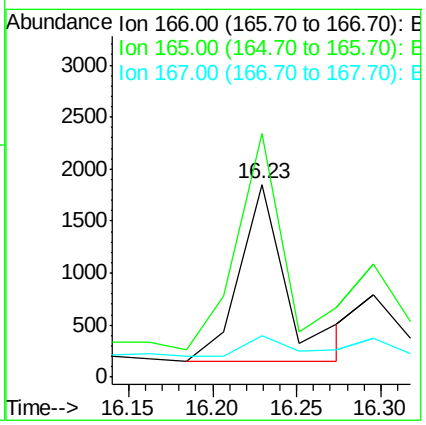


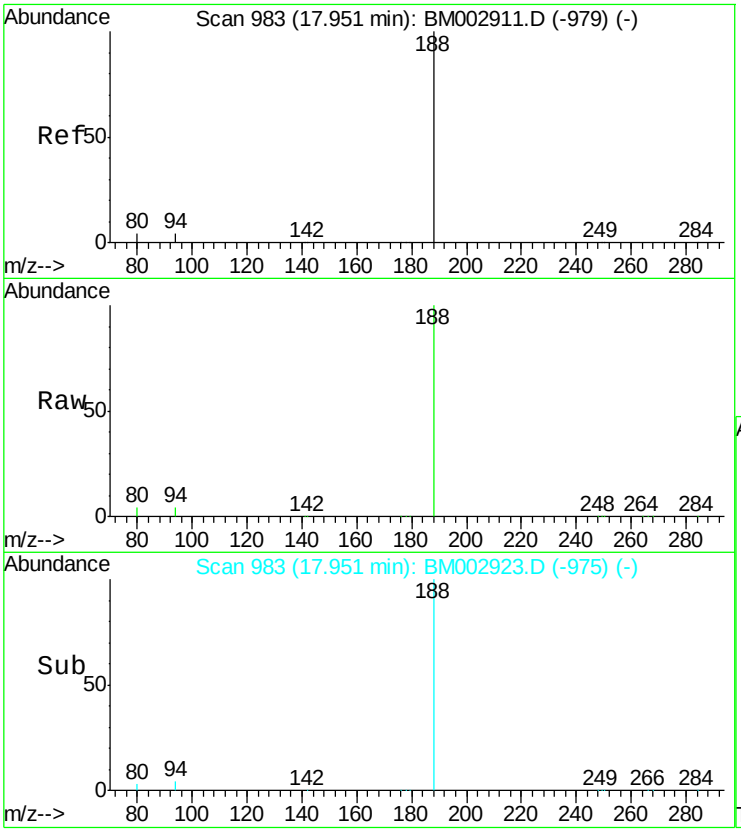


#18
Fluorene
Concen: 0.05 ng
RT: 16.23 min Scan# 911
Delta R.T. -0.05 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:166 Resp: 3325

Ion	Ratio	Lower	Upper
166	100		
165	127.0	77.3	115.9#
167	12.4	10.9	16.3



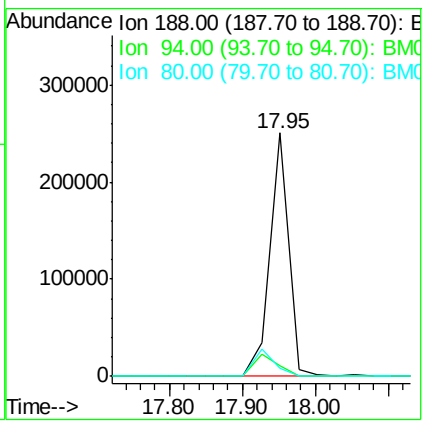


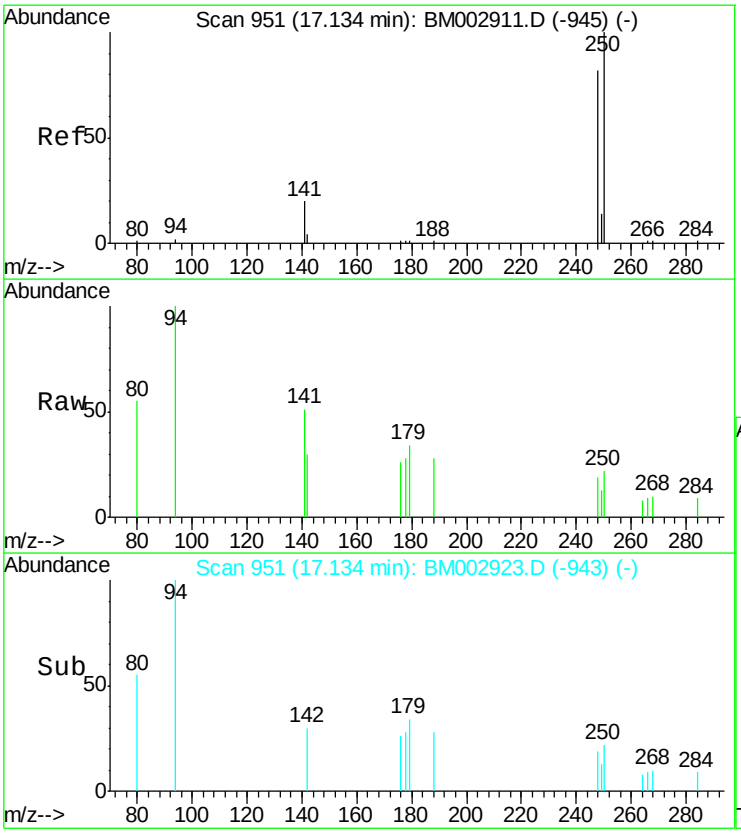
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:188 Resp: 451919

Ion	Ratio	Lower	Upper
188	100		
94	4.2	15.2	22.8#
80	3.5	15.9	23.9#

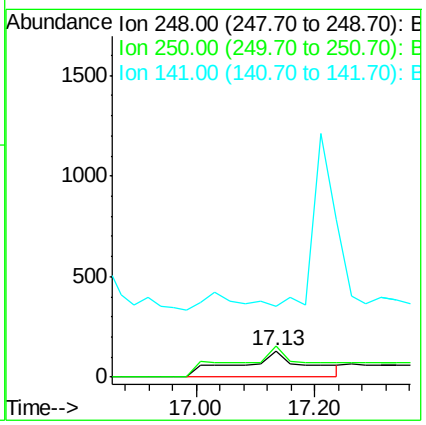


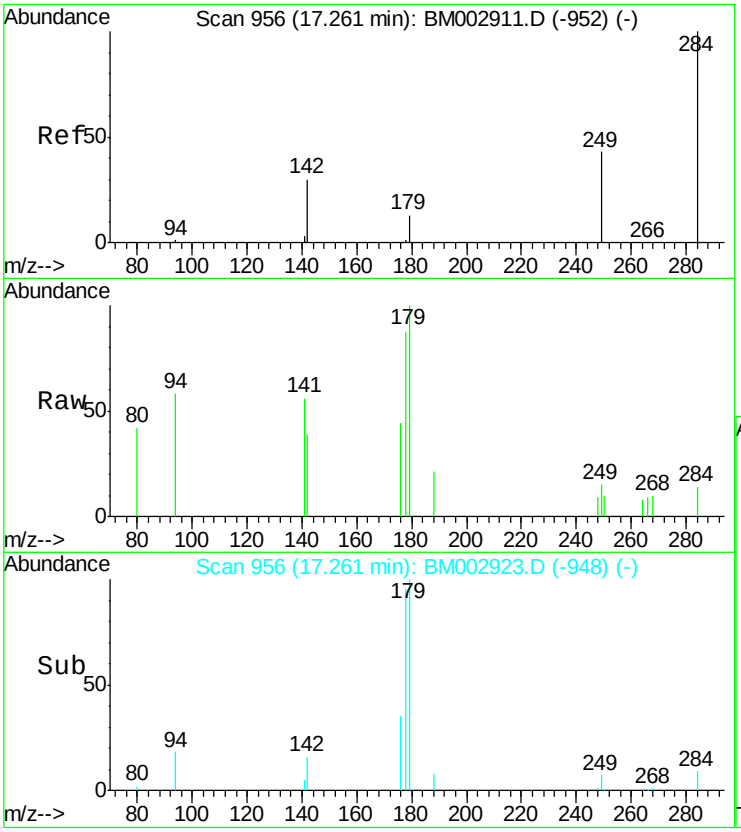


#20
4-Bromophenyl-phenylether
Concen: 0.06 ng
RT: 17.13 min Scan# 951
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:248 Resp: 1031

Ion	Ratio	Lower	Upper
248	100		
250	32.7	71.4	107.2#
141	0.0	54.6	82.0#



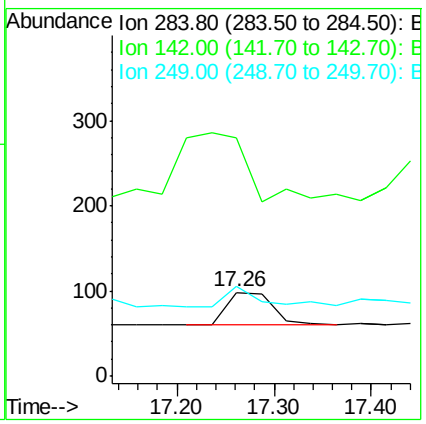


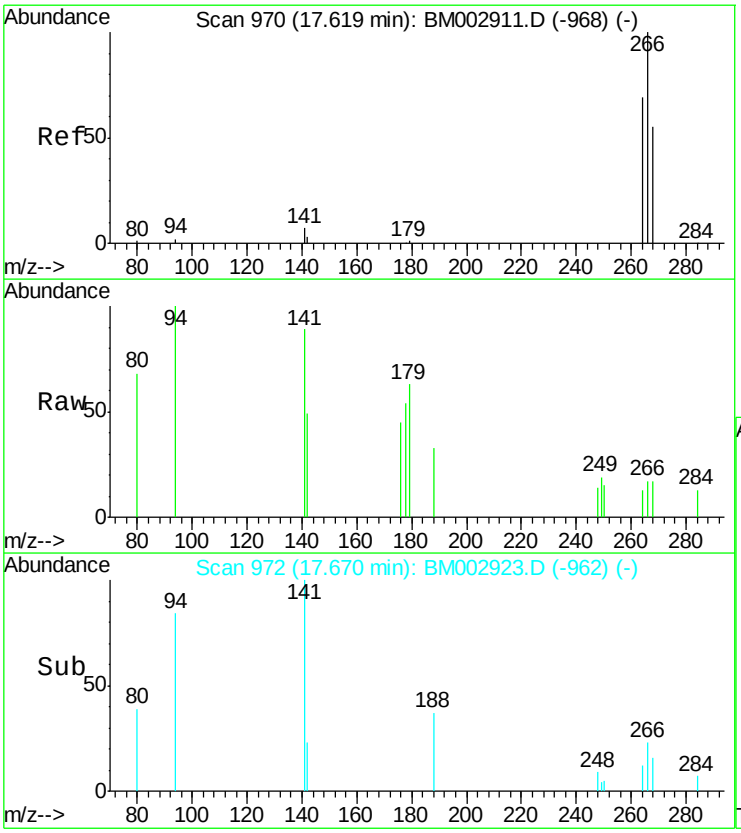
#21
Hexachlorobenzene
Concen: Below Cal
RT: 17.26 min Scan# 956
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:284 Resp: 124

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	55.6	20.7	31.1#

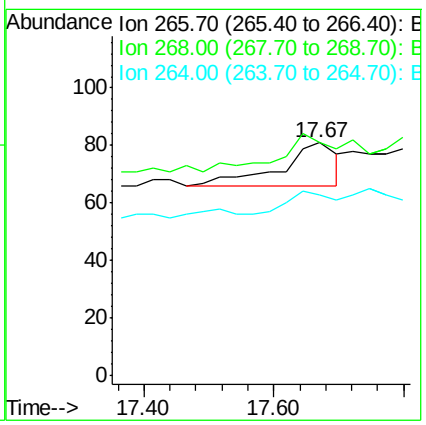


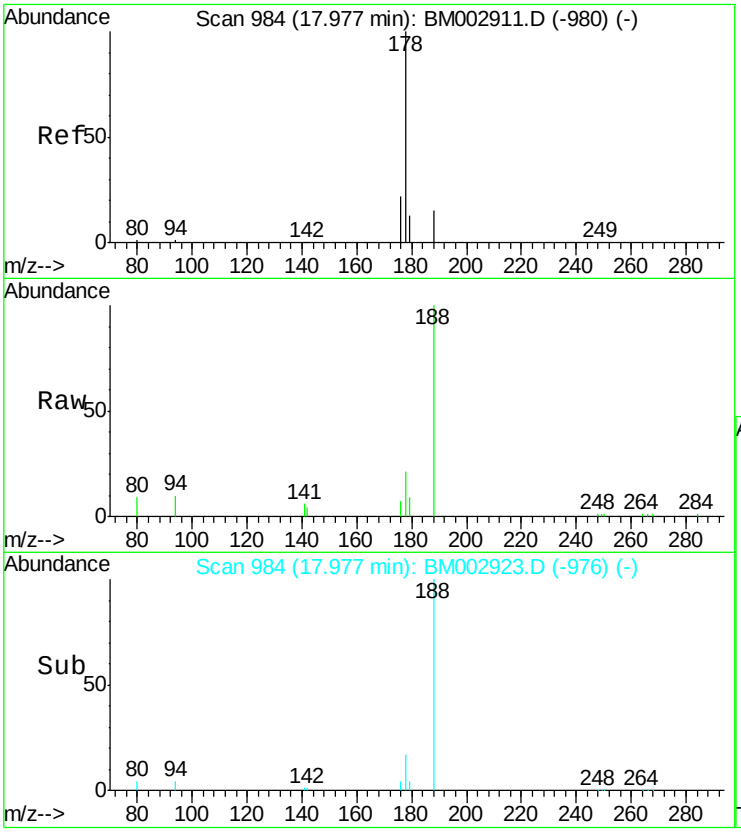


#22
Pentachlorophenol
Concen: 0.28 ng
RT: 17.67 min Scan# 972
Delta R.T. 0.05 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:266 Resp: 92

Ion	Ratio	Lower	Upper
266	100		
268	100.0	58.3	87.5#
264	77.8	54.2	81.2



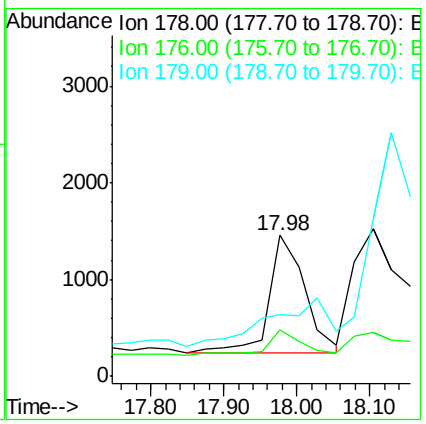


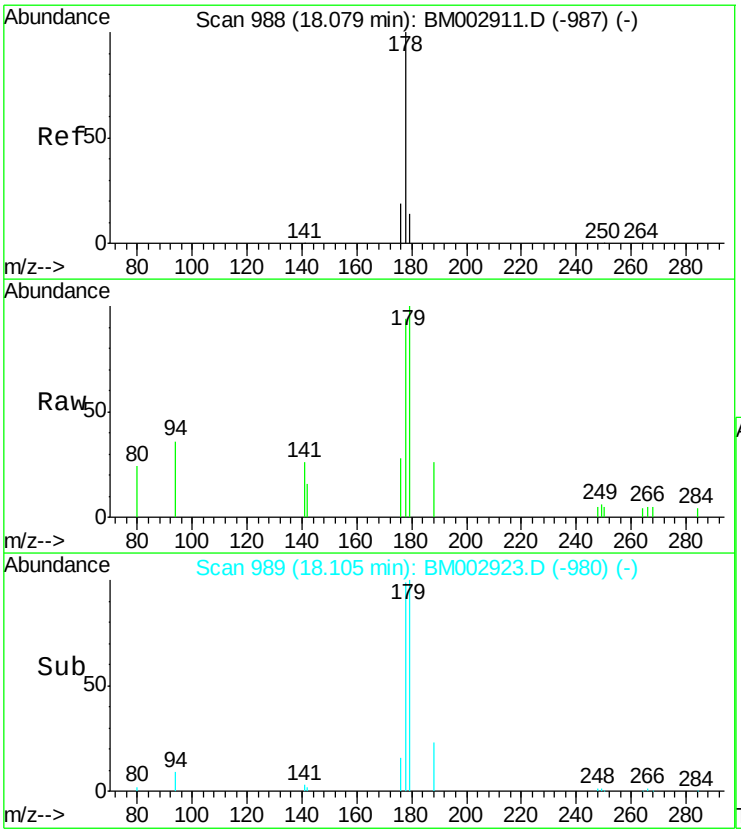
#23
Phenanthrene
Concen: 0.04 ng
RT: 17.98 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:178 Resp: 4219

Ion	Ratio	Lower	Upper
178	100		
176	22.1	14.6	21.8#
179	0.0	12.5	18.7#

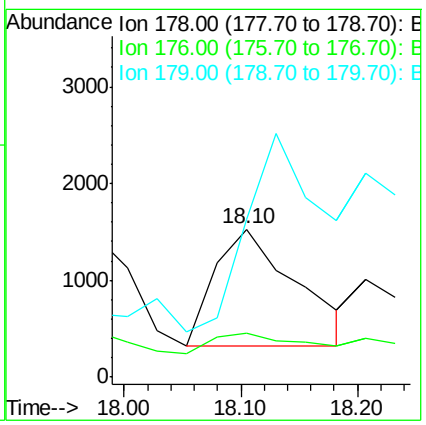


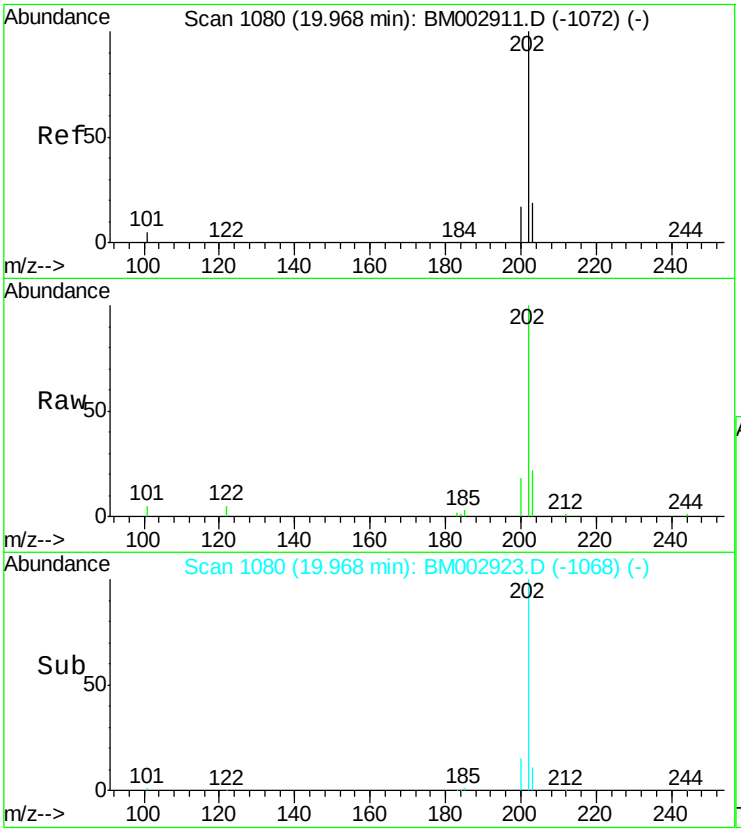


#24
Anthracene
Concen: 0.06 ng
RT: 18.10 min Scan# 989
Delta R.T. 0.02 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:178 Resp: 5821

Ion	Ratio	Lower	Upper
178	100		
176	19.4	13.9	20.9
179	0.0	12.6	18.8#



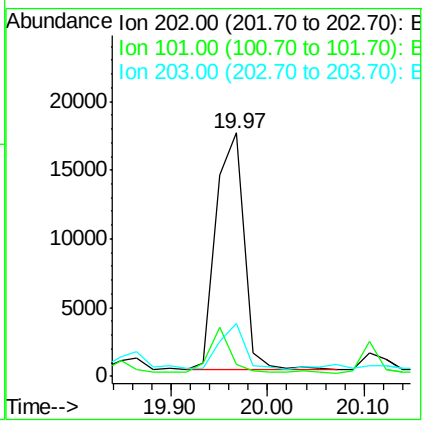


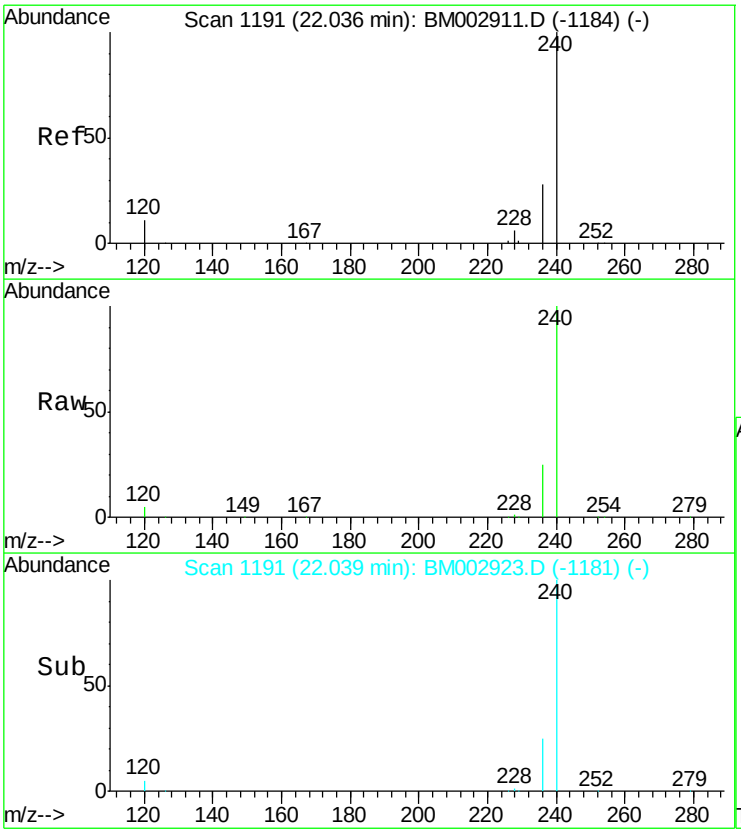
#25
Fluoranthene
Concen: 0.30 ng
RT: 19.97 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:202 Resp: 34838

Ion	Ratio	Lower	Upper
202	100		
101	13.8	11.0	16.6
203	17.1	13.8	20.6

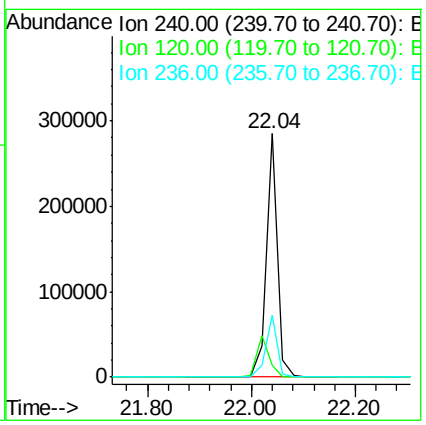


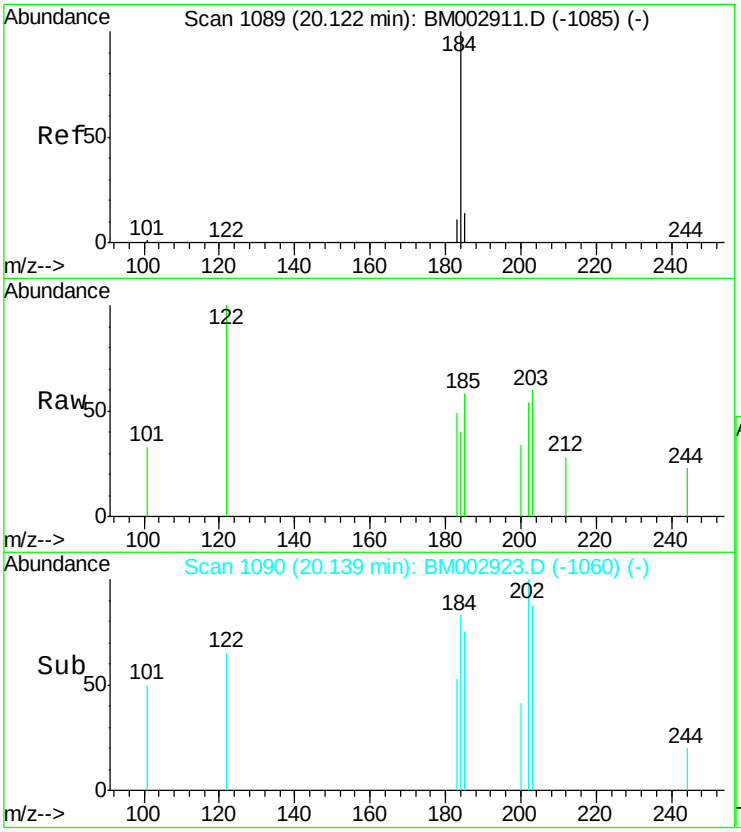


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.04 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:240 Resp: 423041

Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.3	4.9
236	25.4	19.5	29.3



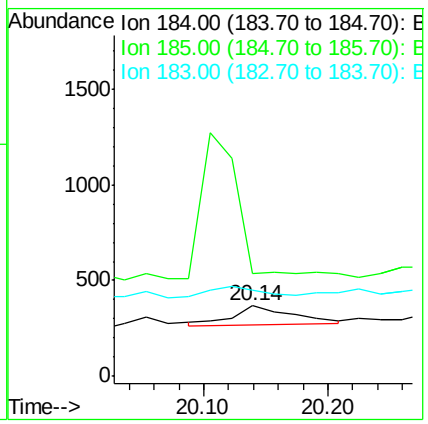


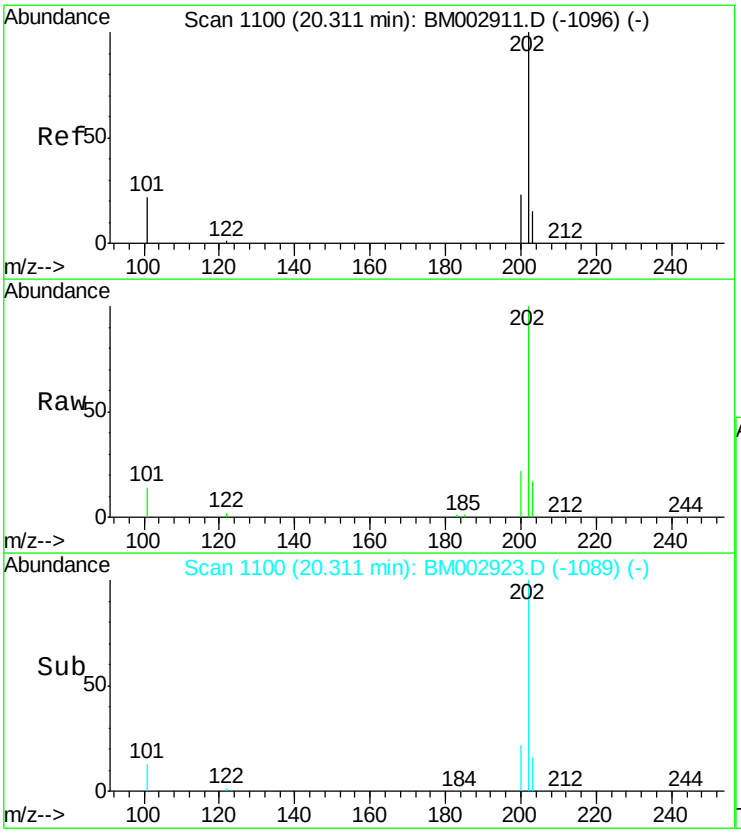
#27
Benzidine
Concen: 0.16 ng
RT: 20.14 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:184 Resp: 316

Ion	Ratio	Lower	Upper
184	100		
185	145.1	12.0	18.0#
183	122.8	8.9	13.3#

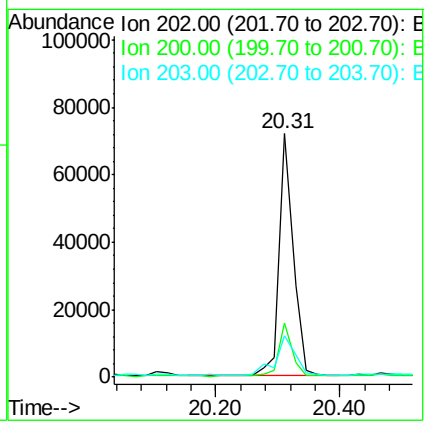


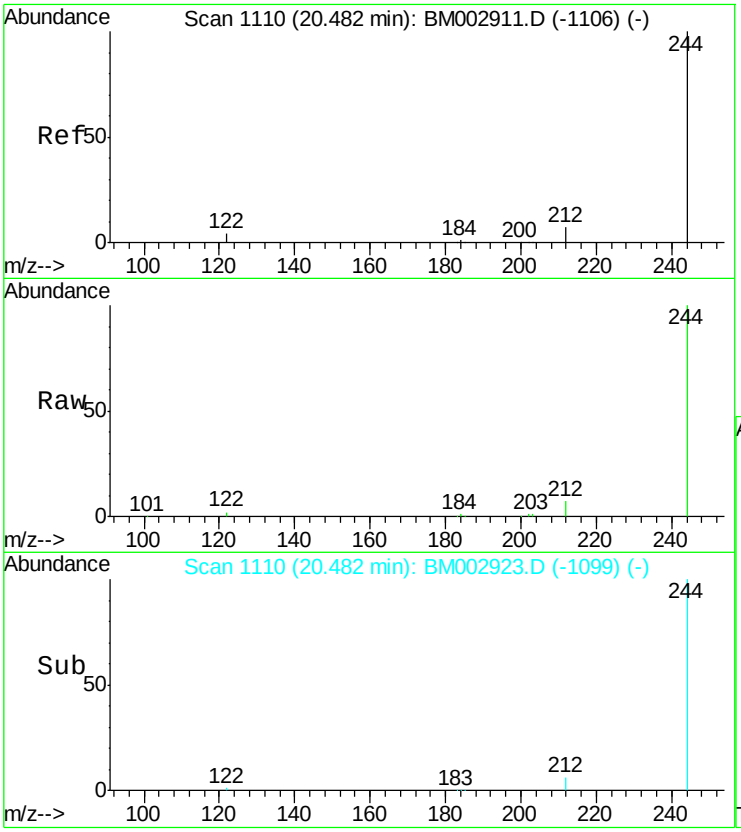


#28
Pyrene
Concen: 0.89 ng
RT: 20.31 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:202 Resp: 111294

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.4
203	21.8	13.8	20.8#



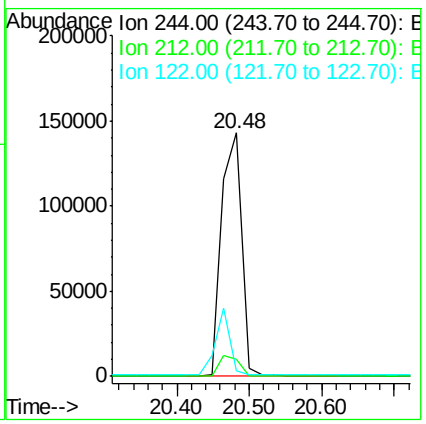


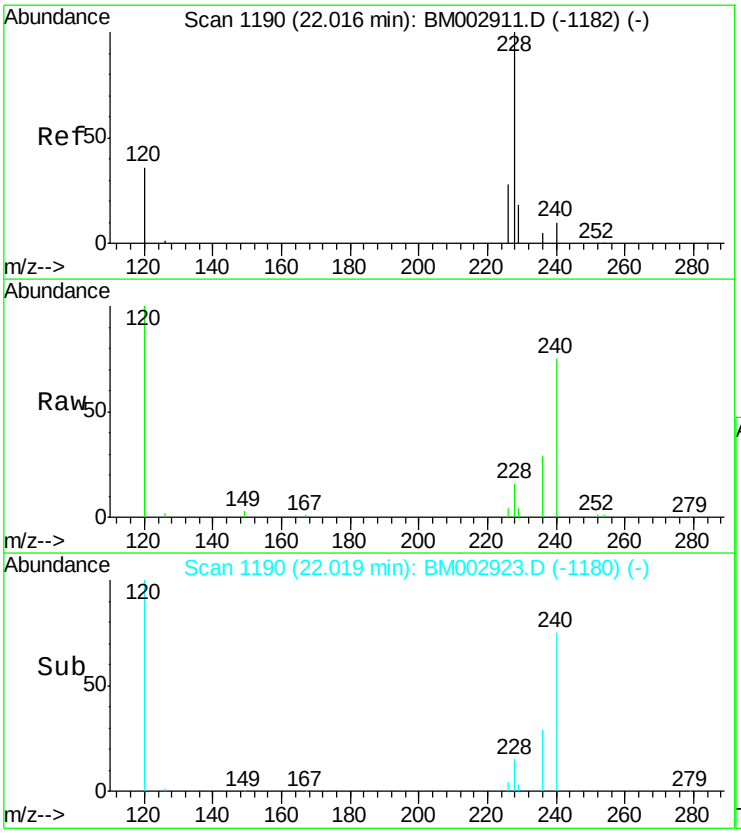
#29
Terphenyl-d14
Concen: 4.32 ng
RT: 20.48 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:244 Resp: 273546

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	2.0	2.2	3.2#

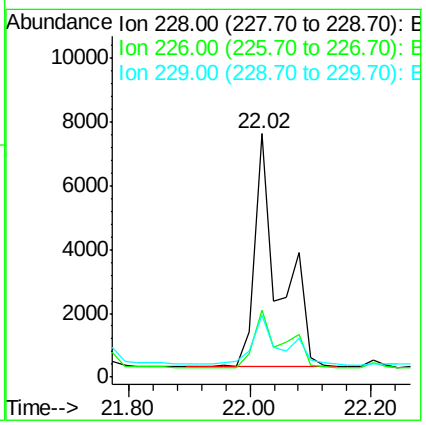


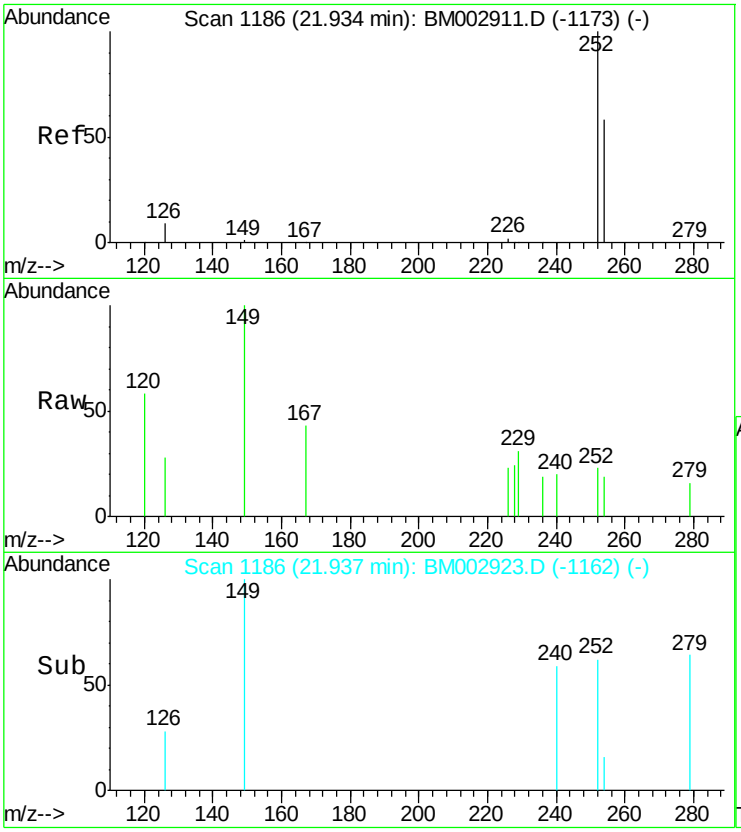


#30
Benzo(a)anthracene
Concen: 0.17 ng
RT: 22.02 min Scan# 1190
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:228 Resp: 20548

Ion	Ratio	Lower	Upper
228	100		
226	27.4	19.0	28.6
229	25.2	16.8	25.2



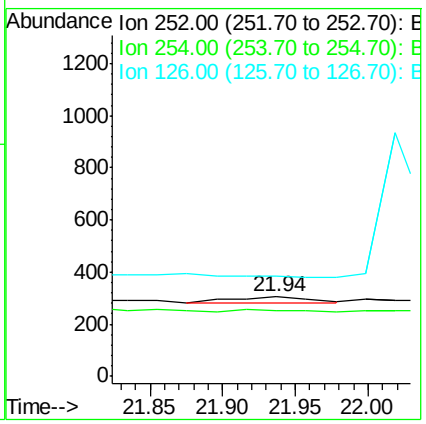


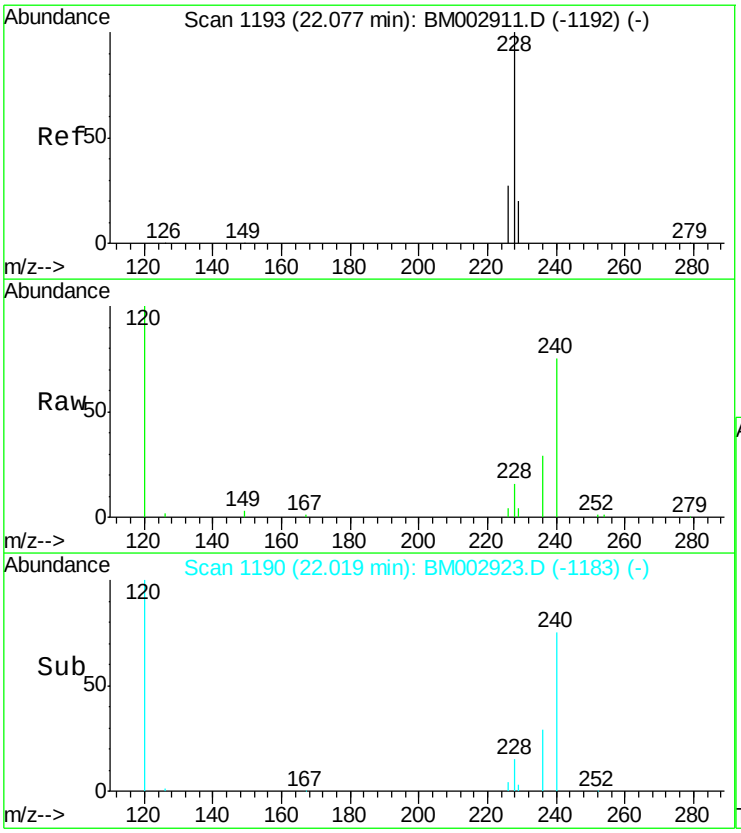
#31
3,3'-Dichlorobenzidine
Concen: 0.00 ng
RT: 21.94 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:252 Resp: 87

Ion	Ratio	Lower	Upper
252	100		
254	83.3	54.1	81.1#
126	126.6	4.1	6.1#

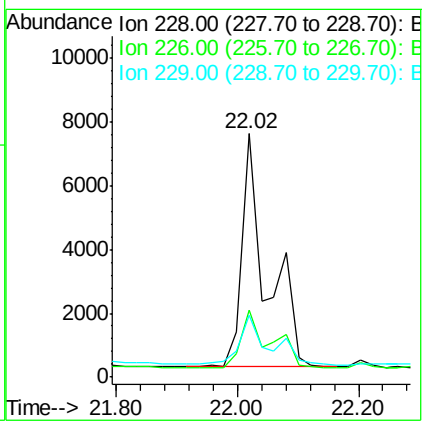


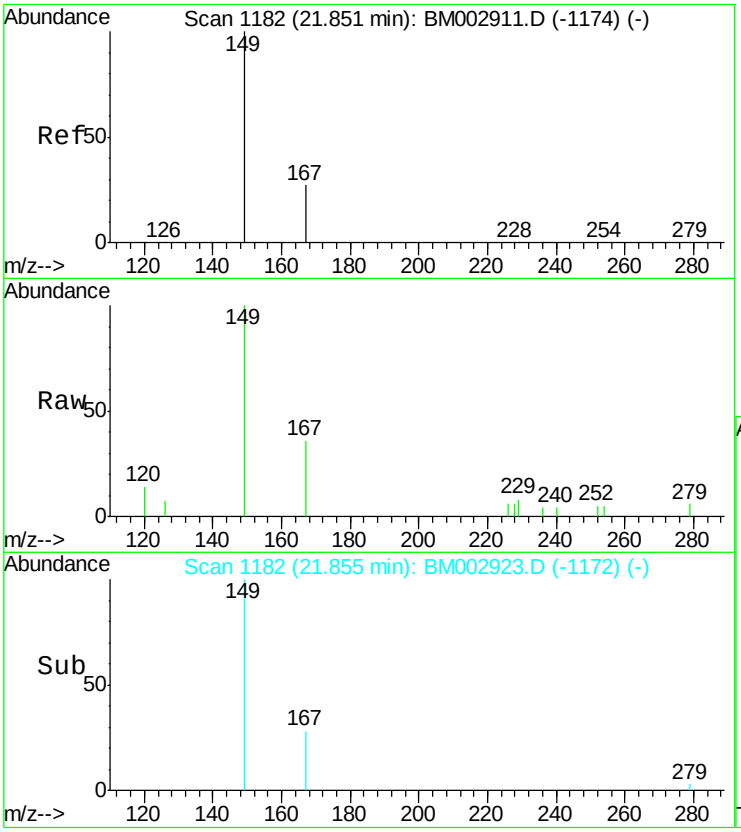


#32
Chrysene
Concen: 0.18 ng
RT: 22.02 min Scan# 1190
Delta R.T. -0.07 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:228 Resp: 20484

Ion	Ratio	Lower	Upper
228	100		
226	27.4	20.6	30.8
229	25.2	17.4	26.2



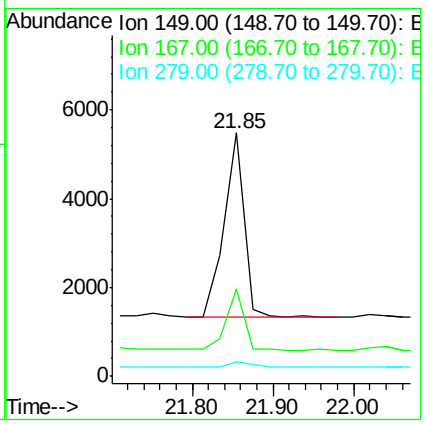


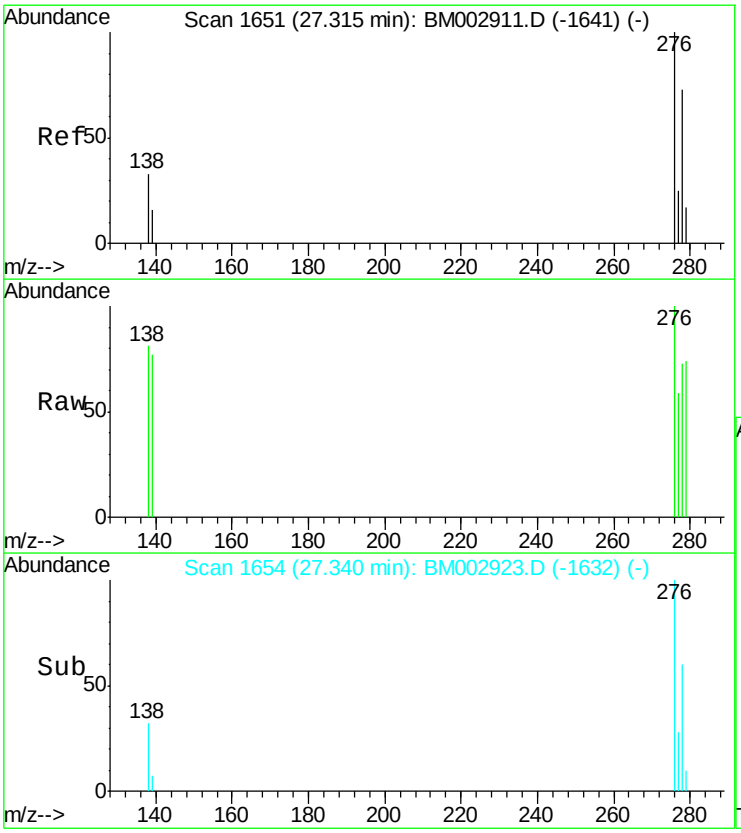
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.37 ng
RT: 21.85 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:149 Resp: 7119

Ion	Ratio	Lower	Upper
149	100		
167	30.0	17.2	25.8#
279	4.9	2.2	3.4#

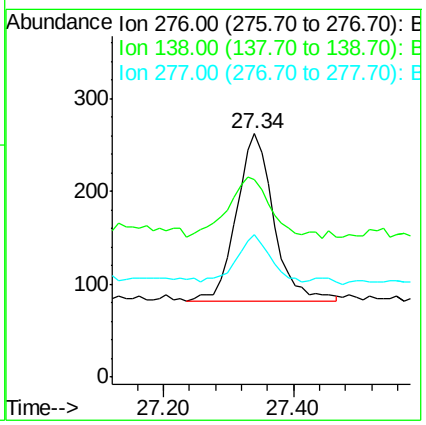


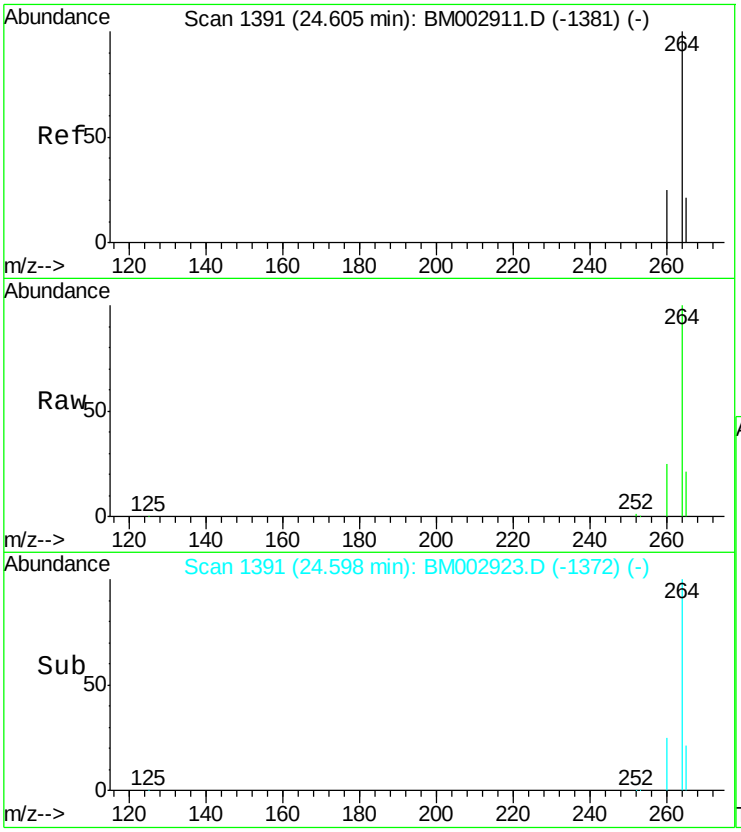


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.01 ng
RT: 27.34 min Scan# 1654
Delta R.T. 0.03 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:276 Resp: 713

Ion	Ratio	Lower	Upper
276	100		
138	43.9	29.0	43.6#
277	24.3	19.8	29.8



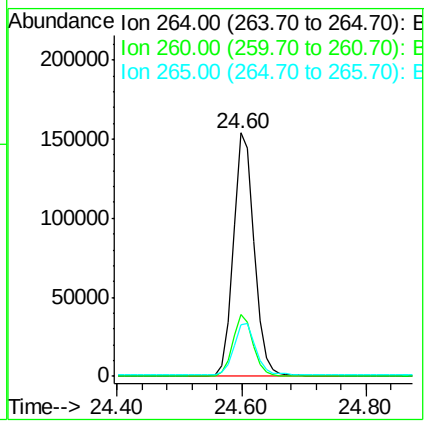


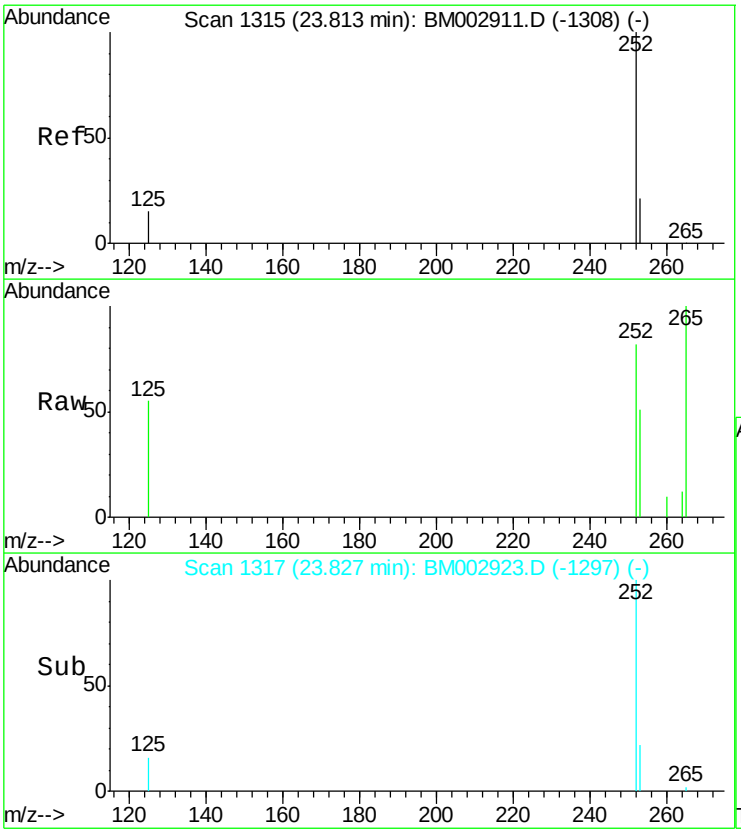
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.60 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:264 Resp: 360942

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.4	17.6	26.4

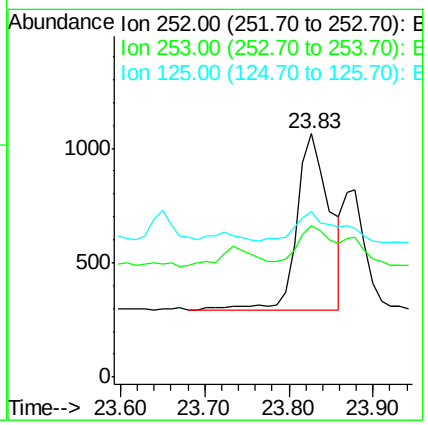


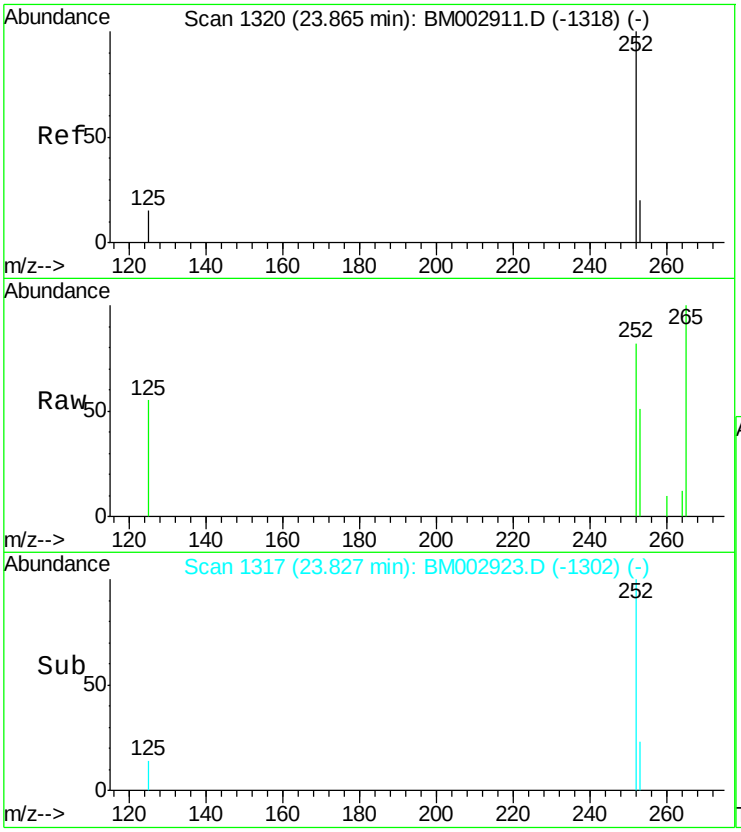


#36
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 23.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:252 Resp: 2097

Ion	Ratio	Lower	Upper
252	100		
253	62.0	17.5	26.3#
125	67.9	12.4	18.6#



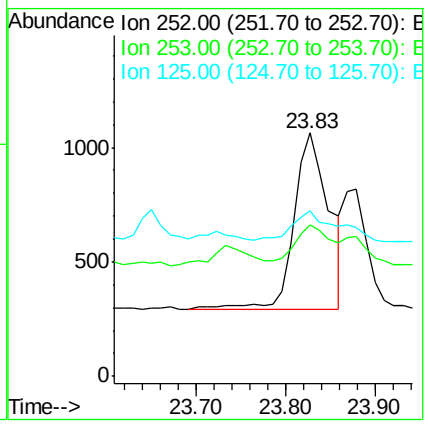


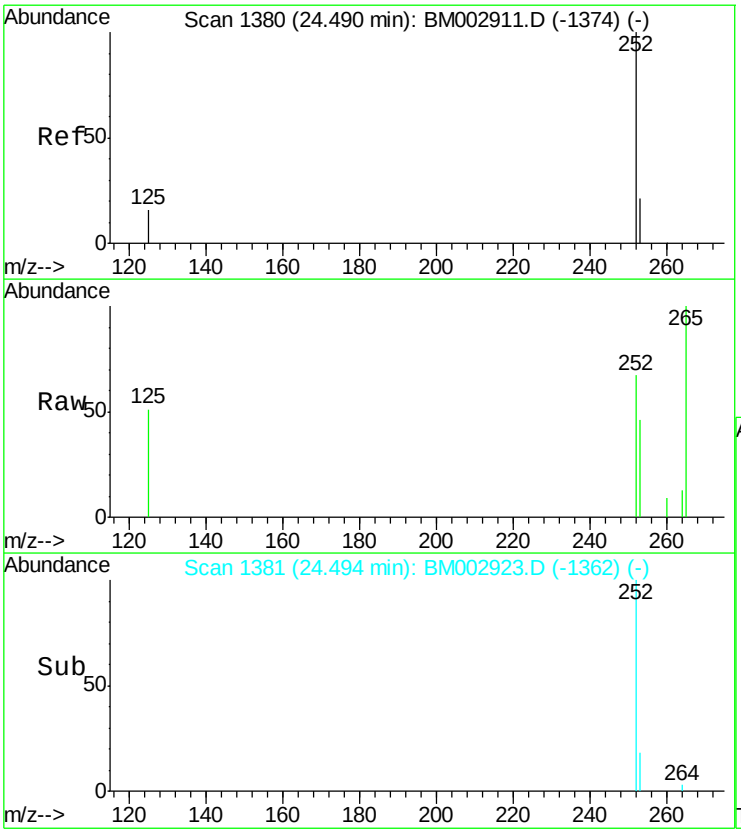
#37
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 23.83 min Scan# 1317
Delta R.T. -0.05 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:252 Resp: 2087

Ion	Ratio	Lower	Upper
252	100		
253	62.0	17.9	26.9#
125	67.9	12.3	18.5#

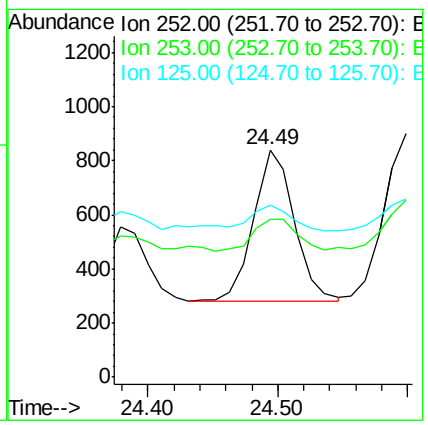


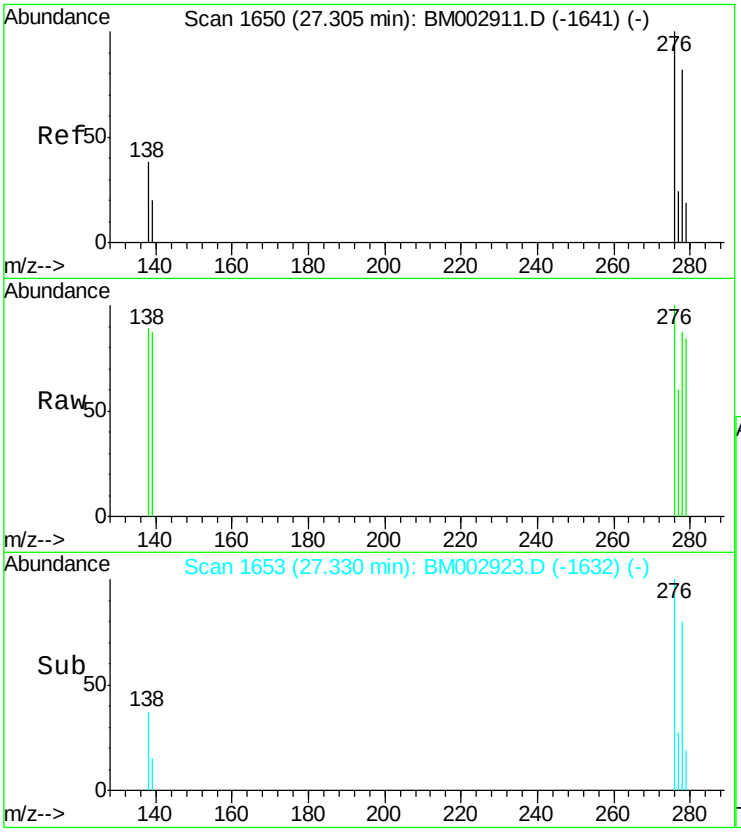


#38
Benzo(a)pyrene
Concen: 0.01 ng
RT: 24.49 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:252 Resp: 1215

Ion	Ratio	Lower	Upper
252	100		
253	69.2	18.4	27.6#
125	75.6	13.3	19.9#



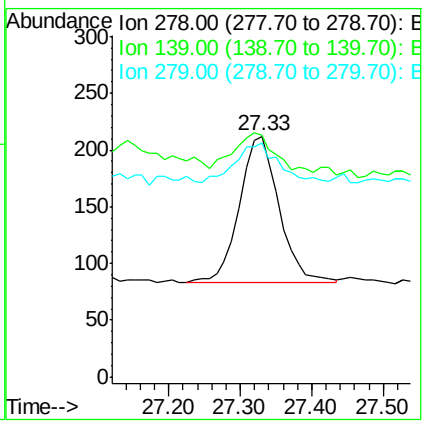


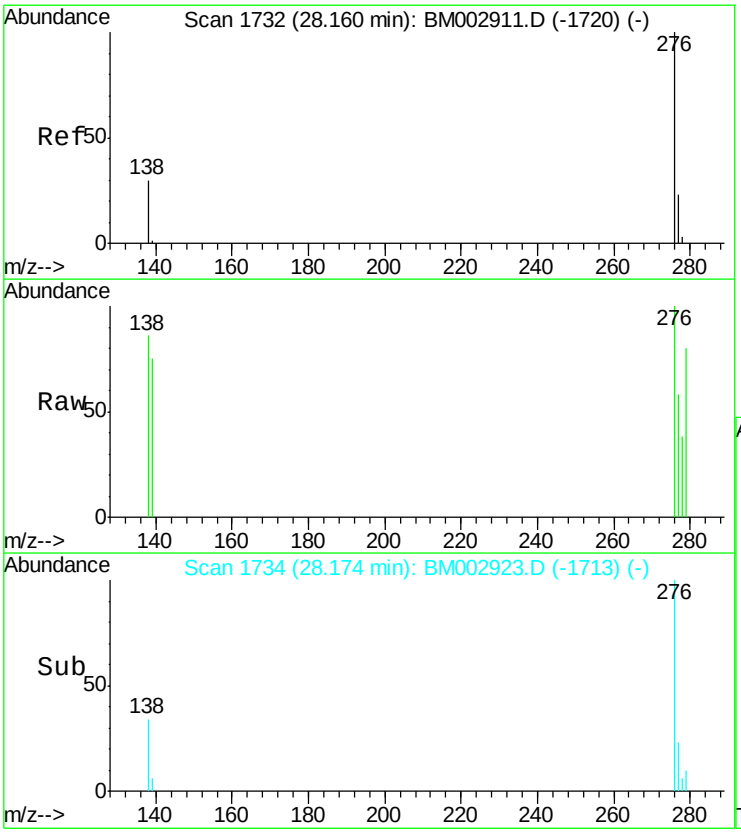
#39
Dibenzo(a,h)anthracene
Concen: 0.01 ng
RT: 27.33 min Scan# 1653
Delta R.T. 0.02 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Instrument :
BNA_M
ClientSampleId :
RAV-GT-104

Tgt Ion:278 Resp: 498

Ion	Ratio	Lower	Upper
278	100		
139	100.5	19.8	29.6#
279	97.2	19.1	28.7#





#40
Benzo(g,h,i)perylene
Concen: 0.01 ng
RT: 28.17 min Scan# 1734
Delta R.T. 0.02 min
Lab File: BM002923.D
Acq: 15 Oct 2015 20:34

Tgt Ion:276 Resp: 639

Ion	Ratio	Lower	Upper
276	100		
277	58.3	19.4	29.0#
138	86.4	24.4	36.6#