Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002935.D
Acq On : 16 Oct 2015 15:29
Operator : UM/IZ
Sample : G4037-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : RAV-GT-113

Quant Time: Oct 16 23:01:49 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	99316	5.00	ng	0.00
7) Naphthalene-d8	11.49	136	432584	5.00	ng	0.00
13) Acenaphthene-d10	15.23	164	239449	5.00	ng	0.00
19) Phenanthrene-d10	17.95	188	555549	5.00	ng	0.00
26) Chrysene-d12	22.03	240	401516	5.00	ng	0.00
35) Perylene-d12	24.61	264	357369	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	6.12	112	51353	2.76	ng	-0.03
5) Phenol-d6	7.79	99	46244	1.95	ng	0.00
8) Nitrobenzene-d5	9.86	82	75112	3.62	ng	0.00
14) 2,4,6-Tribromophenol	16.71	330	70478	7.53	ng	0.00
15) 2-Fluorobiphenyl	13.87	172	245761	3.21	ng	0.00
29) Terphenyl-d14	20.48	244	238363	3.97	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.78	88	211	0.02	ng	# 1
10) Naphthalene	11.54	128	180328	1.88	ng	94
12) 2-Methylnaphthalene	13.12	142	11517	0.18	ng	# 50
16) Acenaphthylene	14.96	152	7011	0.07	ng	# 1
17) Acenaphthene	15.29	154	20909	0.29	ng	# 100
18) Fluorene	16.27	166	27248	0.32	ng	# 95
21) Hexachlorobenzene	17.26	284	101	Below Cal		# 1
22) Pentachlorophenol	17.61	266	2066	1.02	ng	94
23) Phenanthrene	18.00	178	8801	0.07	ng	# 63
24) Anthracene	18.07	178	8385	0.07	ng	# 61
25) Fluoranthene	19.96	202	6236	0.04	ng	# 91
27) Benzidine	20.15	184	3037	0.20	ng	# 1
28) Pyrene	20.32	202	6225	0.05	ng	# 94
30) Benzo(a)anthracene	22.03	228	4681	0.04	ng	# 47
32) Chrysene	22.03	228	4681	0.04	ng	# 51
33) Bis(2-ethylhexyl)phthalate	21.85	149	7842	0.38	ng	# 83
34) Indeno(1,2,3-cd)pyrene	27.32	276	2320	0.02	ng	# 90
36) Benzo(b)fluoranthene	23.82	252	2306	0.02	ng	# 1
37) Benzo(k)fluoranthene	23.87	252	3434	0.03	ng	# 1
38) Benzo(a)pyrene	24.49	252	2407	0.03	ng	# 1
39) Dibenzo(a,h)anthracene	27.31	278	2648	0.03	ng	# 32
40) Benzo(g,h,i)perylene	28.16	276	1960	0.02	ng	# 35

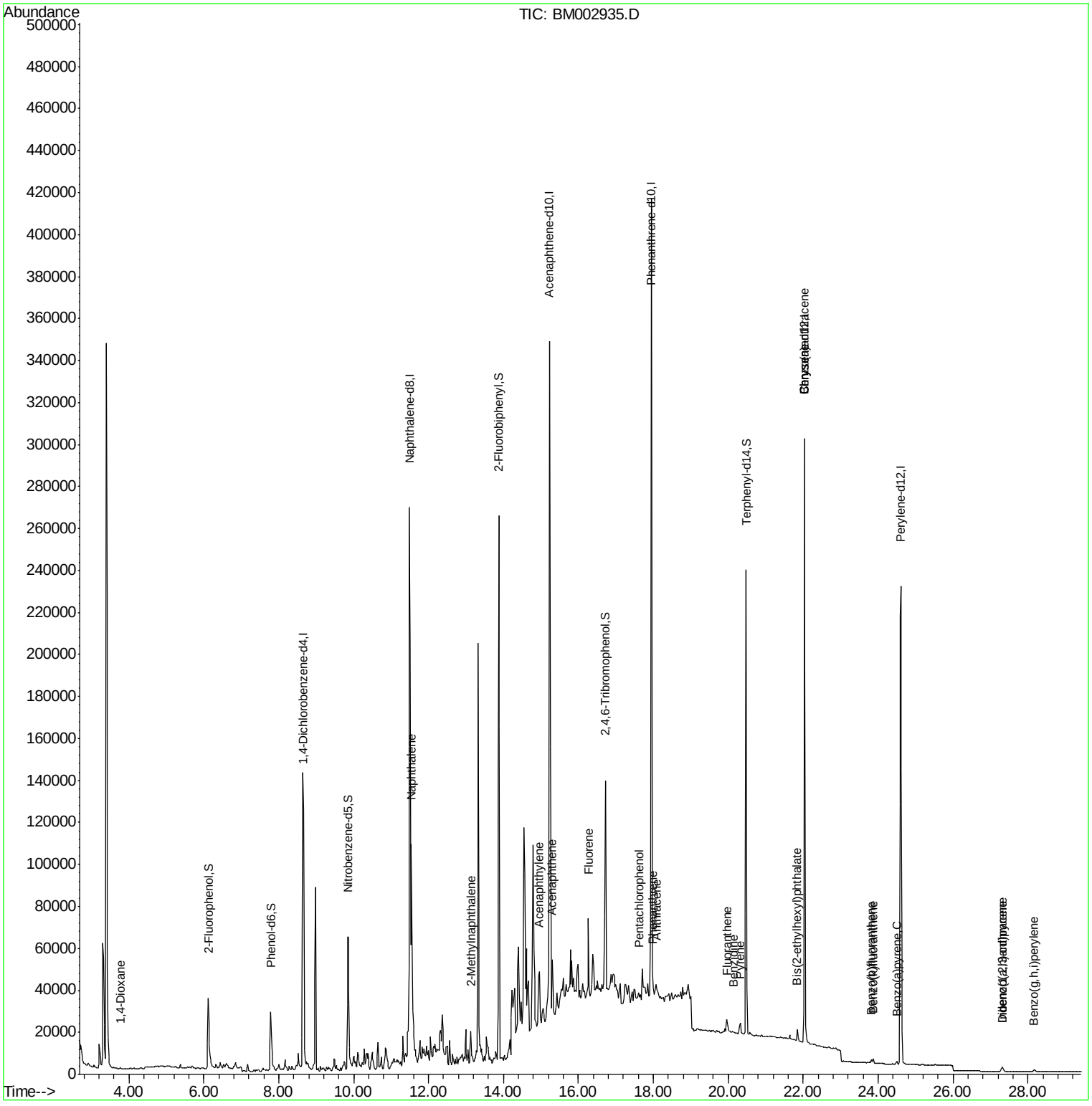
(#) = qualifier out of range (m) = manual integration (+) = signals summed

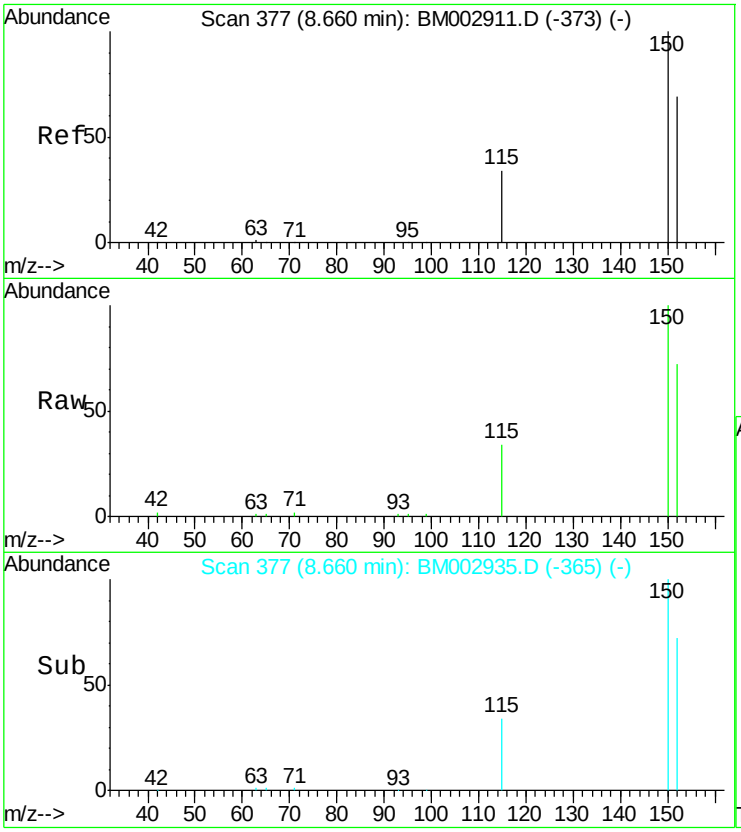
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002935.D
Acq On : 16 Oct 2015 15:29
Operator : UM/IZ
Sample : G4037-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Quant Time: Oct 16 23:01:49 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



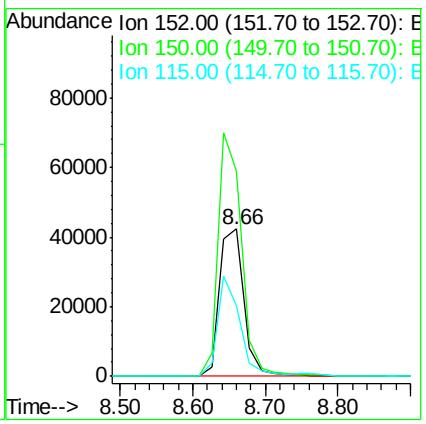


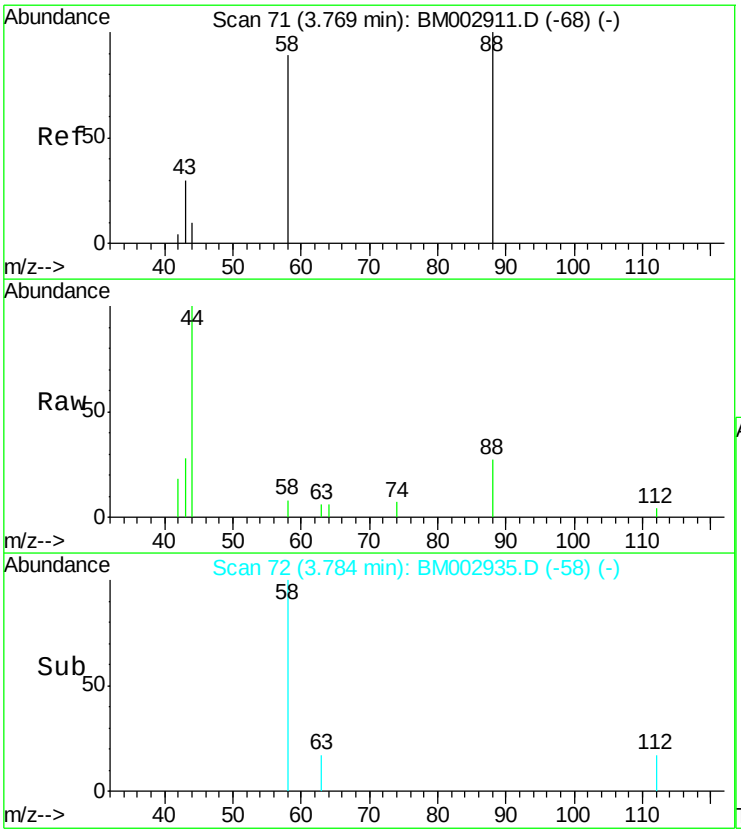
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:152 Resp: 99316

Ion	Ratio	Lower	Upper
152	100		
150	139.2	113.0	169.6
115	47.9	37.9	56.9

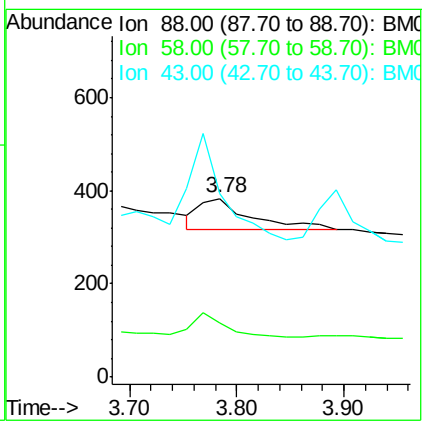


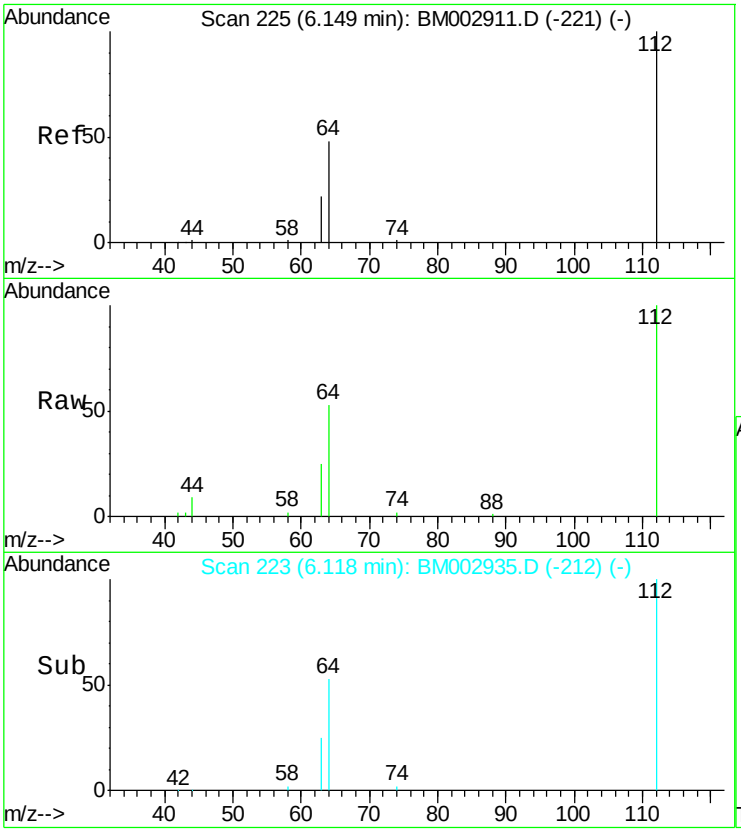


#2
1,4-Dioxane
Concen: 0.02 ng
RT: 3.78 min Scan# 72
Delta R.T. 0.02 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion: 88 Resp: 211

Ion	Ratio	Lower	Upper
88	100		
58	51.2	56.7	85.1#
43	236.0	22.0	33.0#



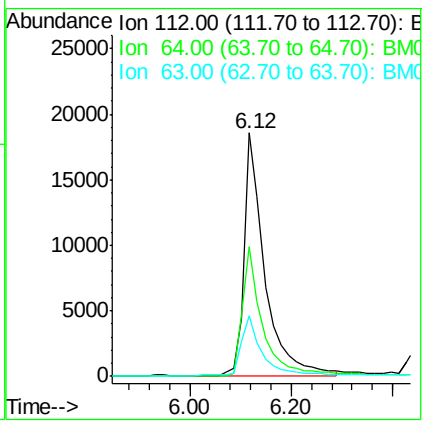


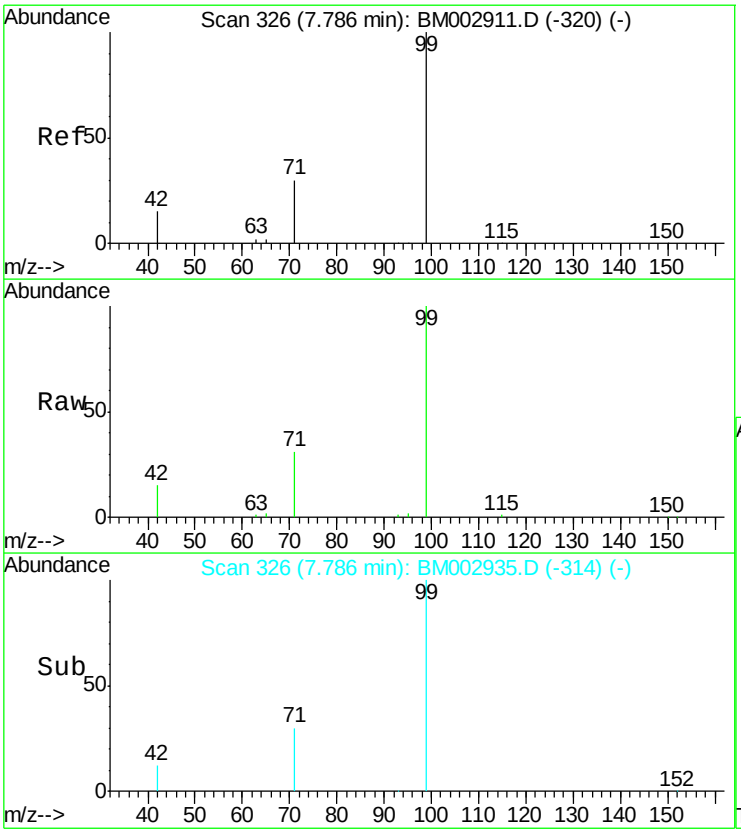
#4
2-Fluorophenol
Concen: 2.76 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:112 Resp: 51353

Ion	Ratio	Lower	Upper
112	100		
64	51.1	42.0	63.0
63	24.3	20.0	30.0

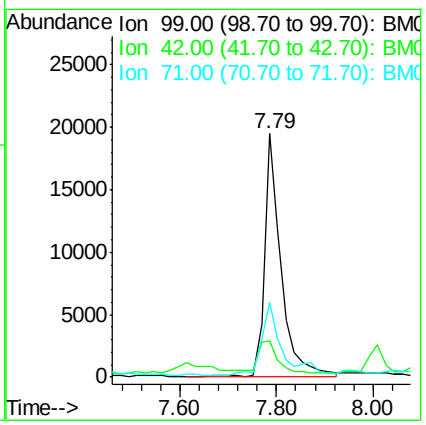


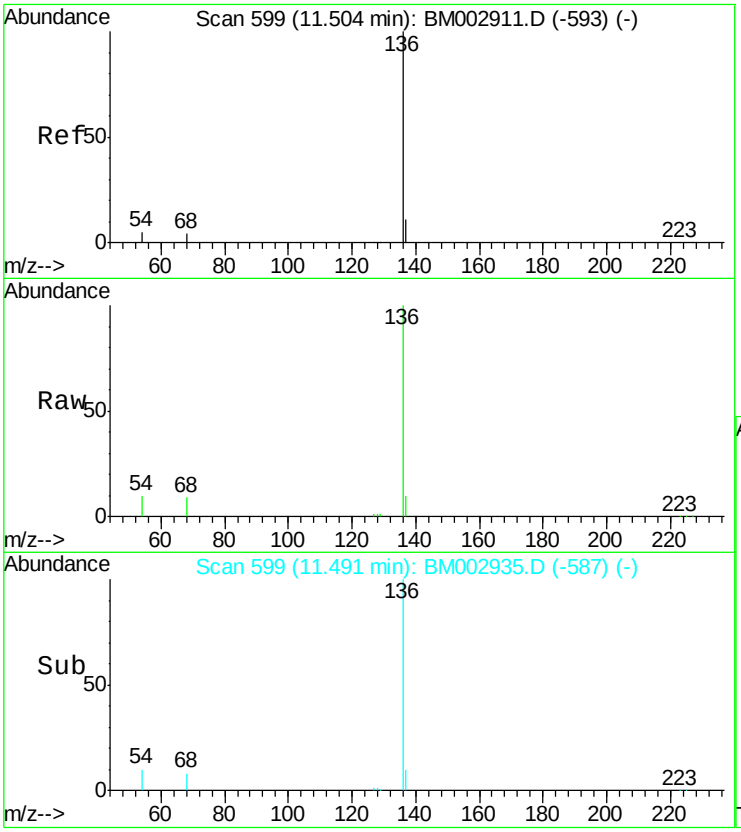


#5
Phenol-d6
Concen: 1.95 ng
RT: 7.79 min Scan# 326
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion: 99 Resp: 46244

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.4	18.6
71	37.2	21.4	32.0#



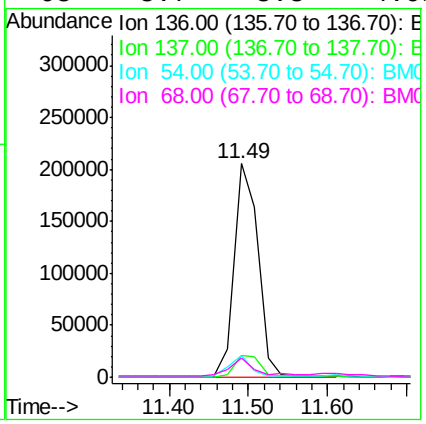


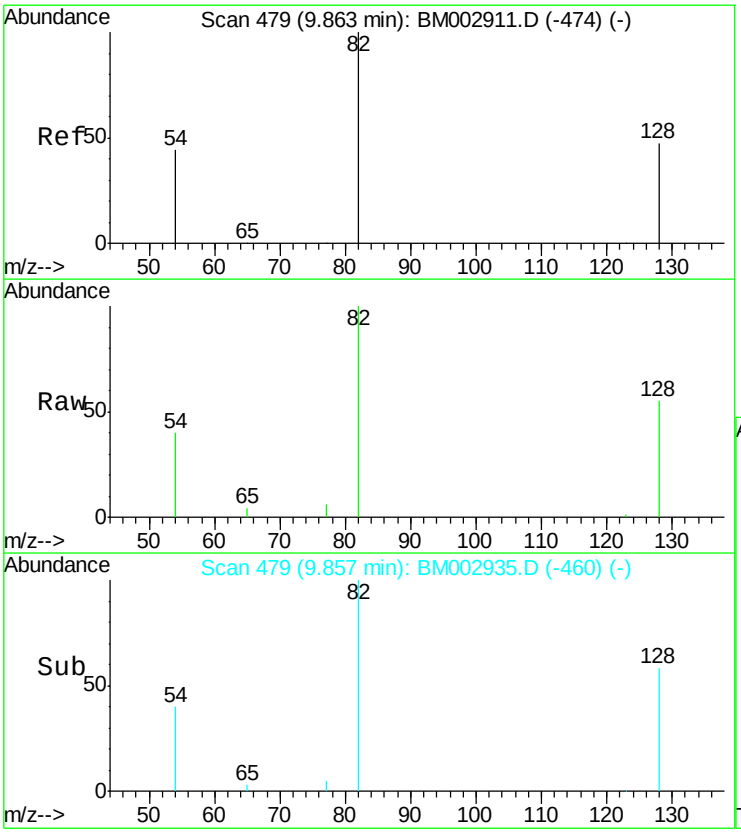
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.49 min Scan# 599
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:136 Resp: 432584

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.0	3.5	5.3#
68	8.7	3.3	4.9#

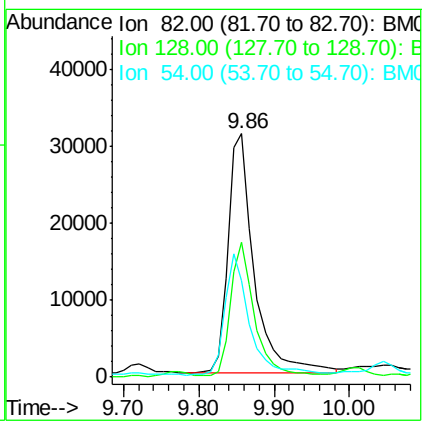


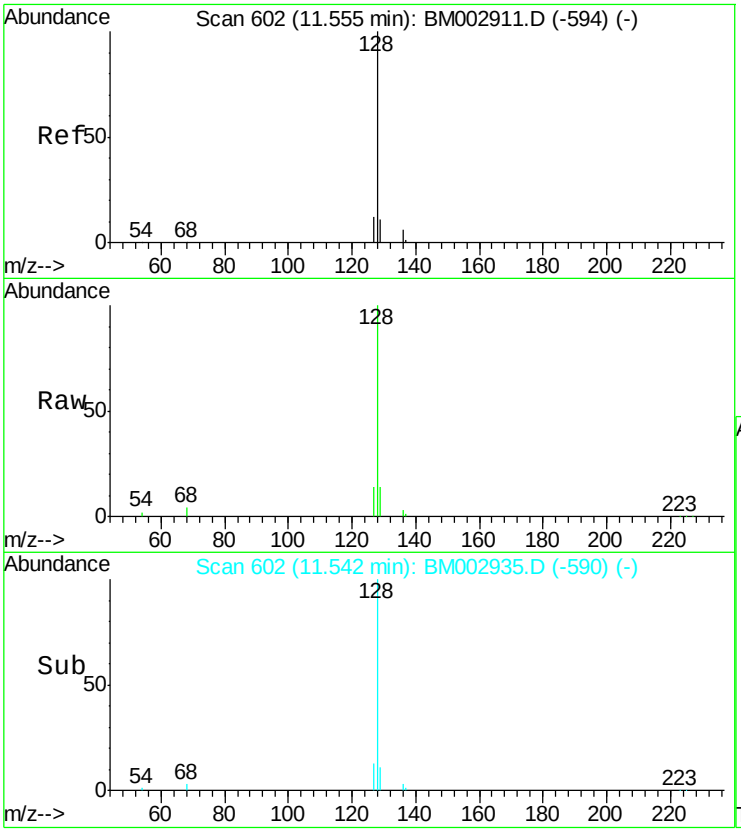


#8
Nitrobenzene-d5
Concen: 3.62 ng
RT: 9.86 min Scan# 479
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion: 82 Resp: 75112

Ion	Ratio	Lower	Upper
82	100		
128	55.2	34.1	51.1#
54	39.7	42.6	63.8#



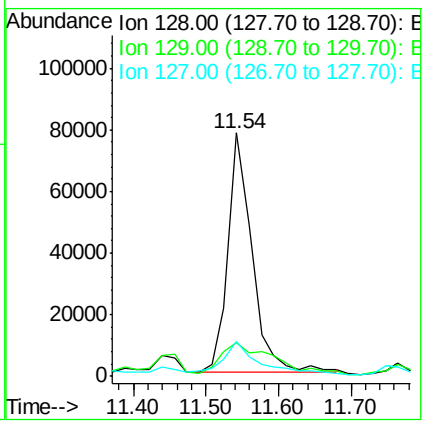


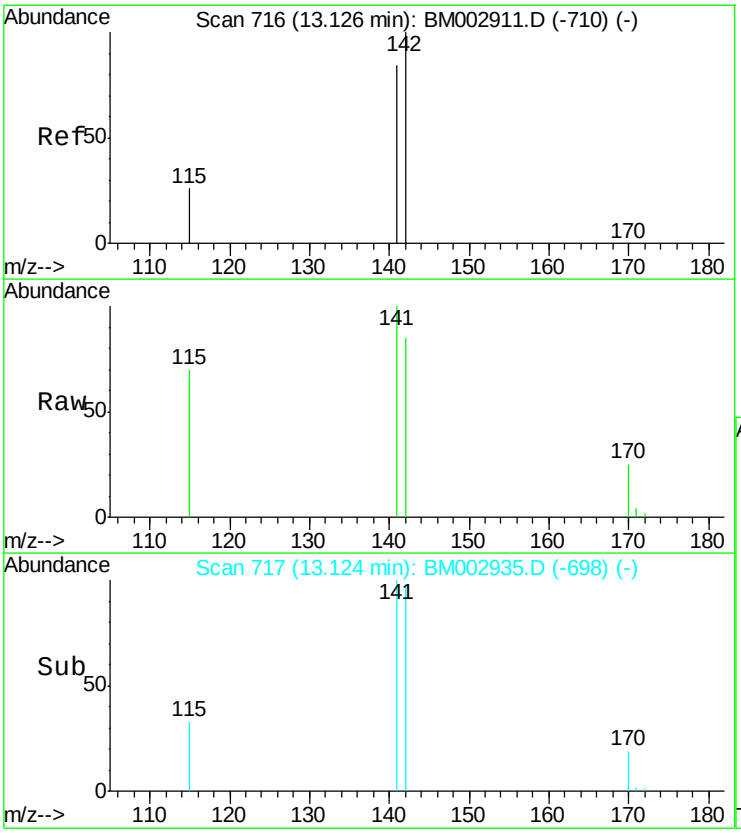
#10
Naphthalene
Concen: 1.88 ng
RT: 11.54 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:128 Resp: 180328

Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.4	14.2
127	14.3	9.6	14.4

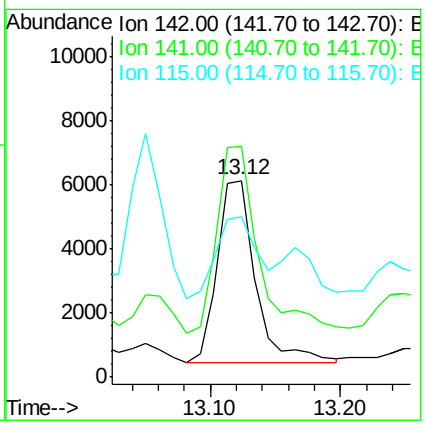


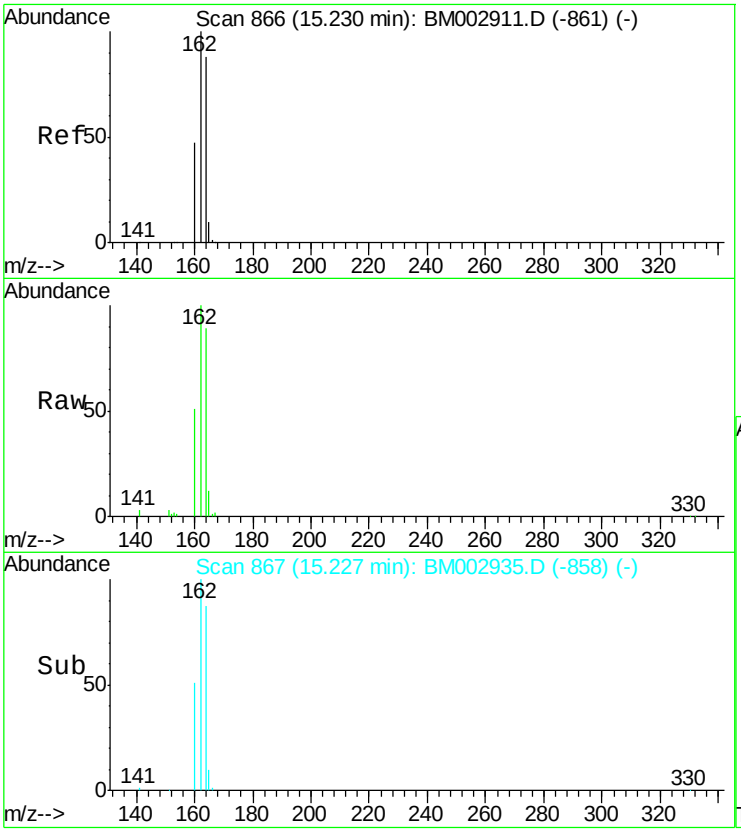


#12
2-Methylnaphthalene
Concen: 0.18 ng
RT: 13.12 min Scan# 717
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:142 Resp: 11517

Ion	Ratio	Lower	Upper
142	100		
141	117.8	69.4	104.0#
115	82.1	22.7	34.1#



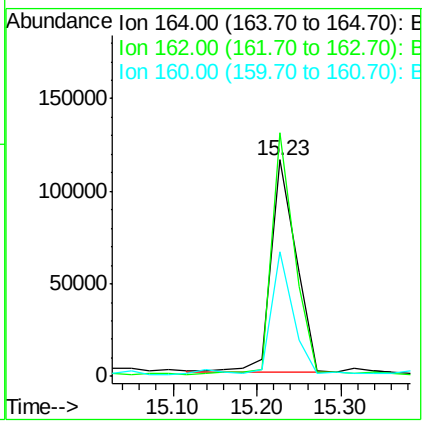


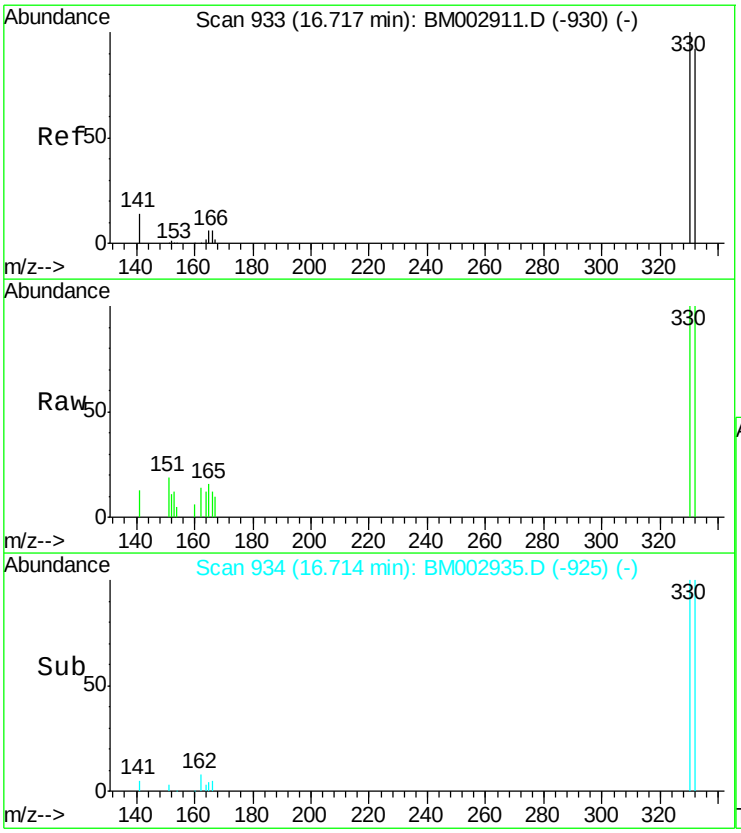
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 867
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:164 Resp: 239449

Ion	Ratio	Lower	Upper
164	100		
162	112.5	79.6	119.4
160	57.6	33.1	49.7#

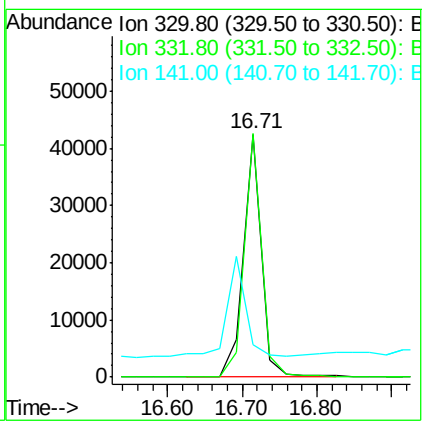


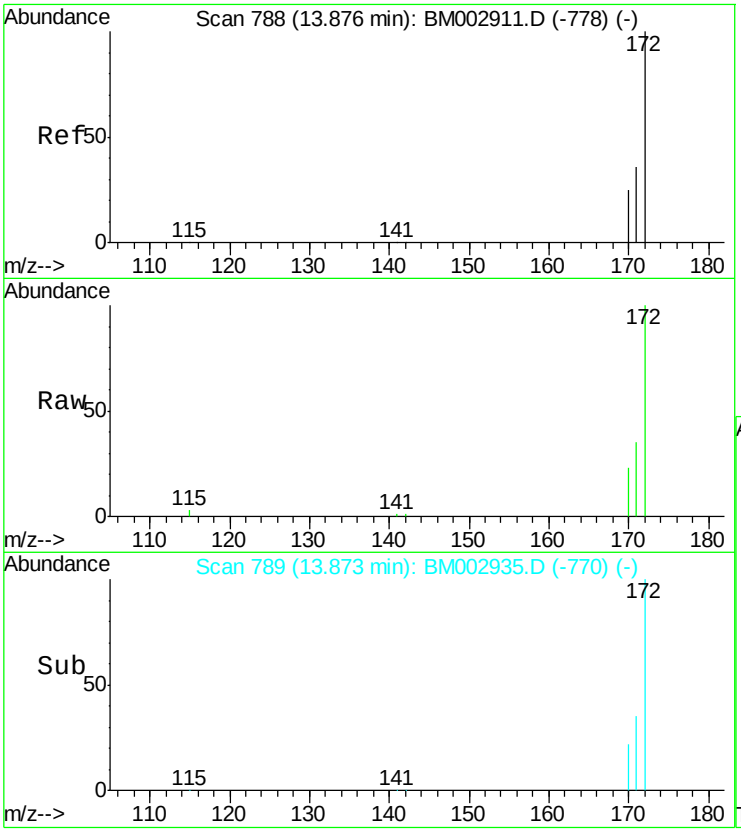


#14
2,4,6-Tribromophenol
Concen: 7.53 ng
RT: 16.71 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:330 Resp: 70478

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	0.0	0.0	0.0



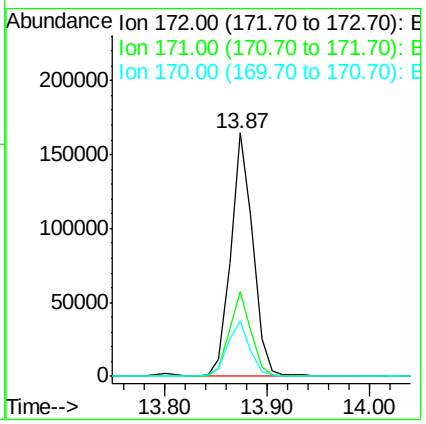


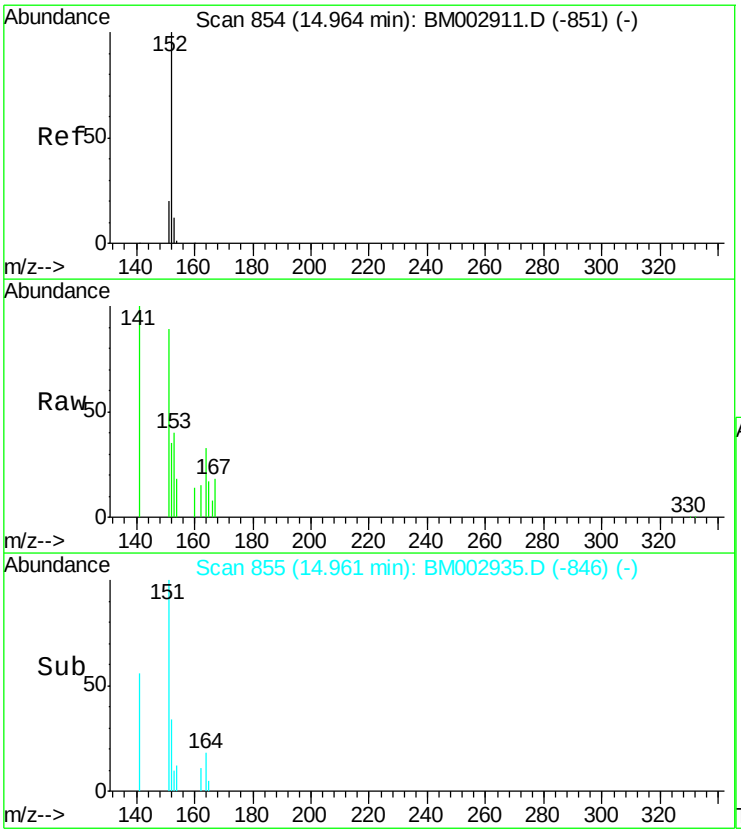
#15
2-Fluorobiphenyl
Concen: 3.21 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:172 Resp: 245761

Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.1	39.1
170	22.6	15.7	23.5

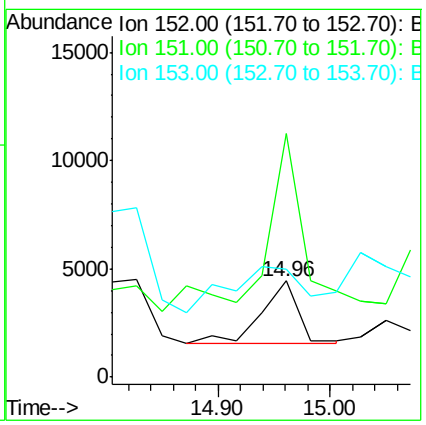


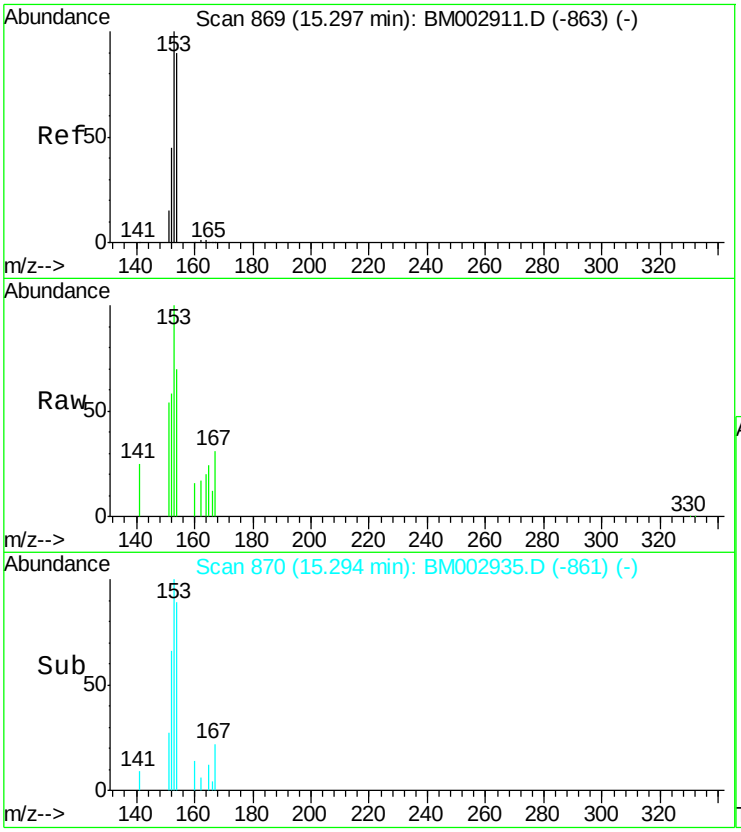


#16
Acenaphthylene
Concen: 0.07 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:152 Resp: 7011

Ion	Ratio	Lower	Upper
152	100		
151	291.1	15.3	22.9#
153	0.0	10.5	15.7#



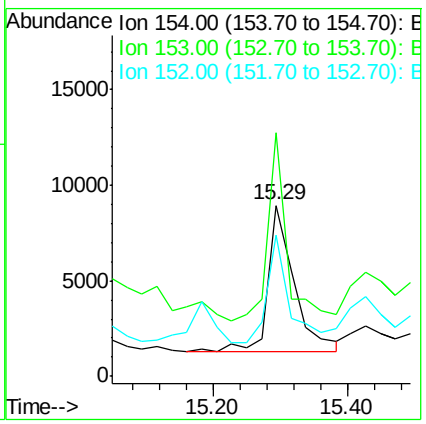


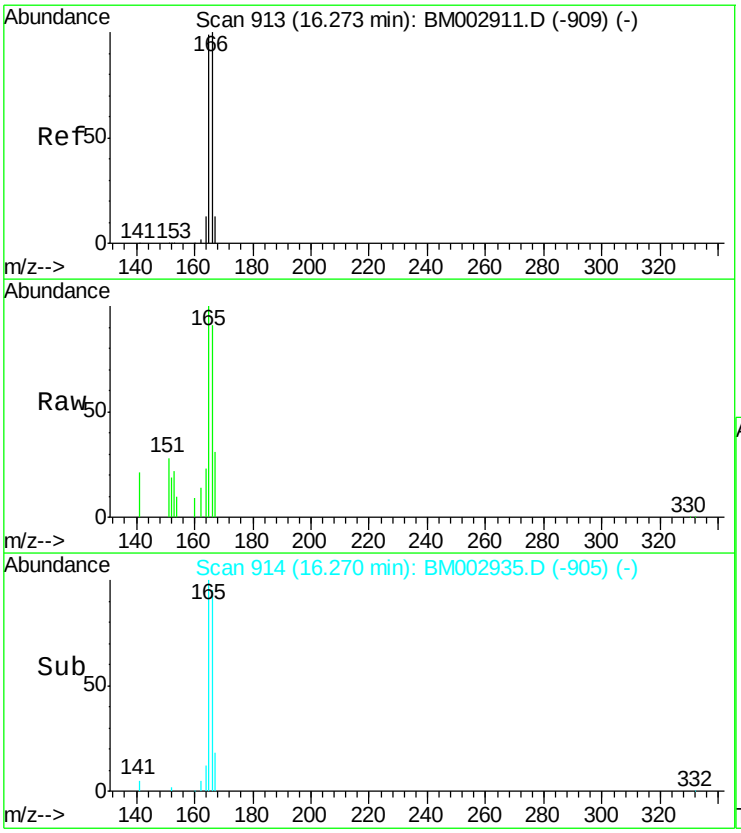
#17
Acenaphthene
Concen: 0.29 ng
RT: 15.29 min Scan# 870
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:154 Resp: 20909

Ion	Ratio	Lower	Upper
154	100		
153	91.6	0.0	0.0#
152	59.6	0.0	0.0#

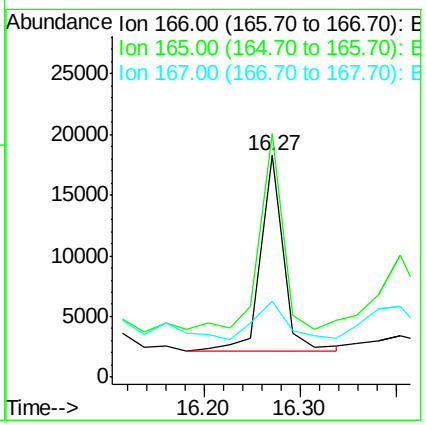


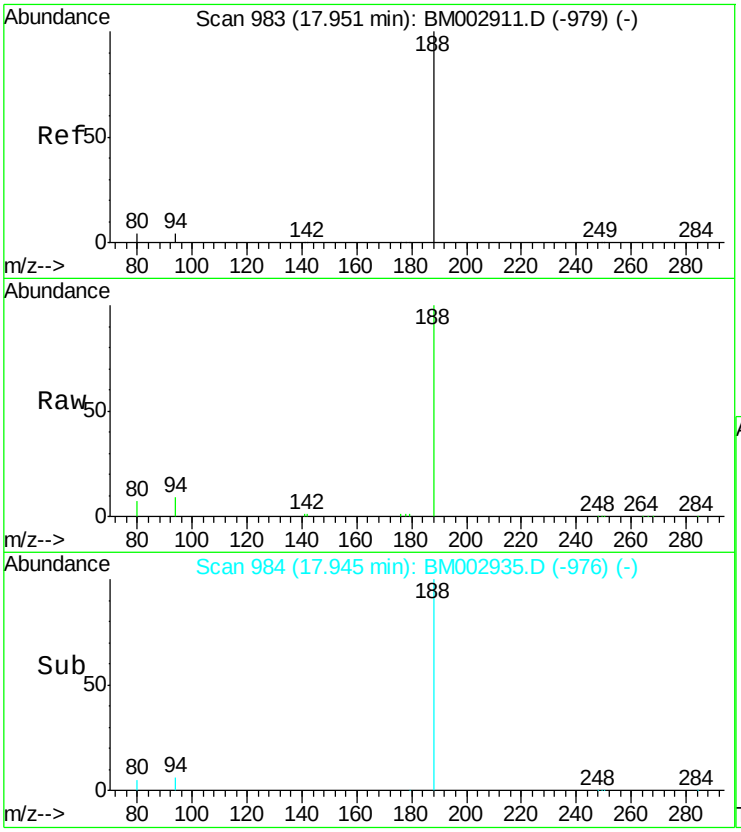


#18
Fluorene
Concen: 0.32 ng
RT: 16.27 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:166 Resp: 27248

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.3	115.9
167	28.1	10.9	16.3#



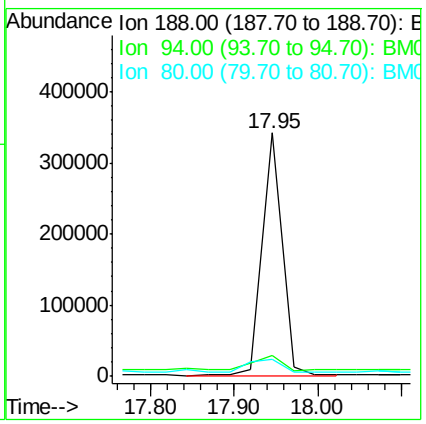


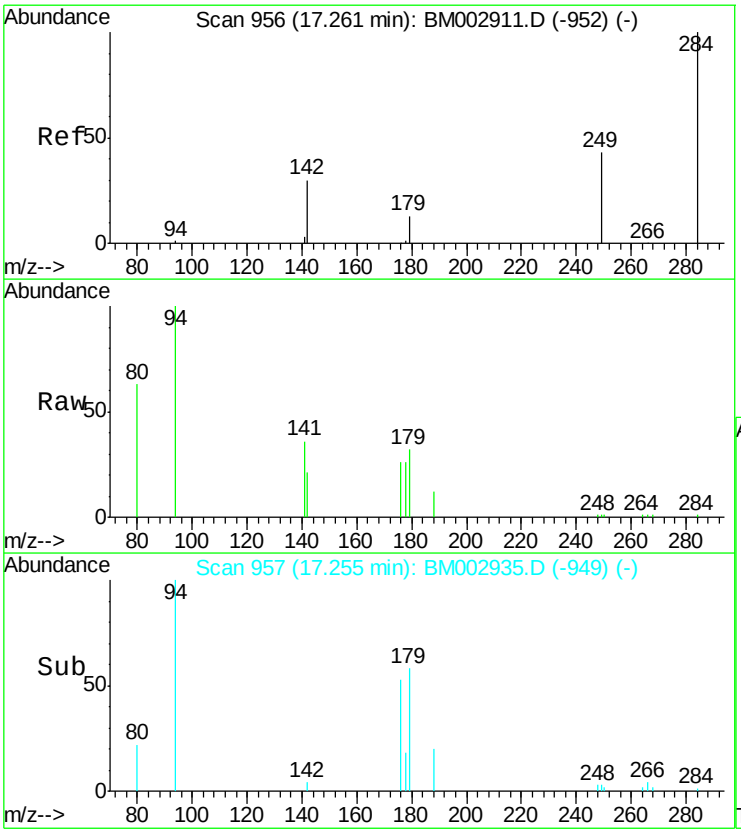
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:188 Resp: 555549

Ion	Ratio	Lower	Upper
188	100		
94	8.7	15.2	22.8#
80	7.2	15.9	23.9#

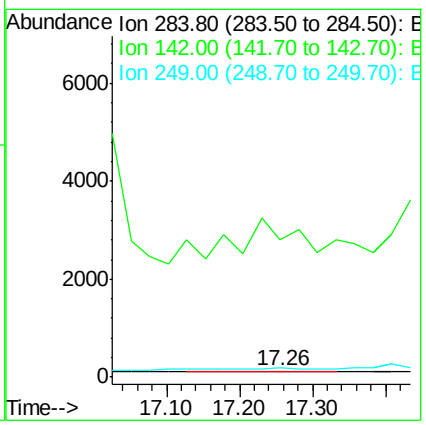


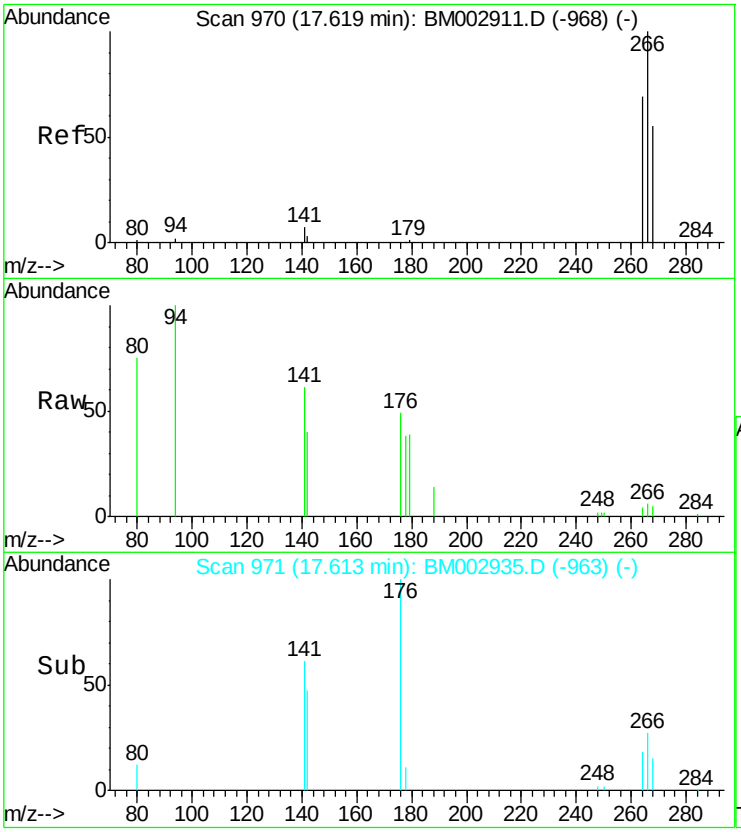


#21
Hexachlorobenzene
Concen: Below Cal
RT: 17.26 min Scan# 957
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:284 Resp: 101

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	128.7	20.7	31.1#



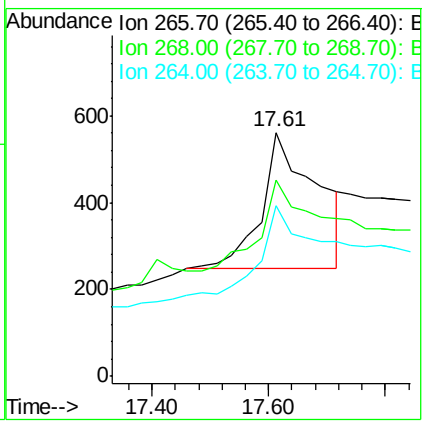


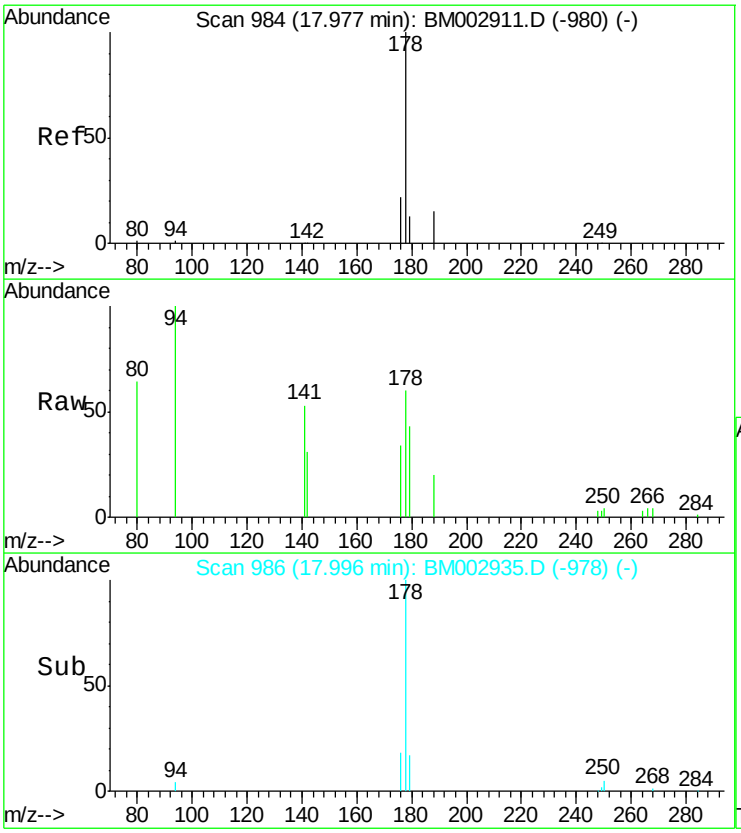
#22
Pentachlorophenol
Concen: 1.02 ng
RT: 17.61 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:266 Resp: 2066

Ion	Ratio	Lower	Upper
266	100		
268	80.7	58.3	87.5
264	70.2	54.2	81.2

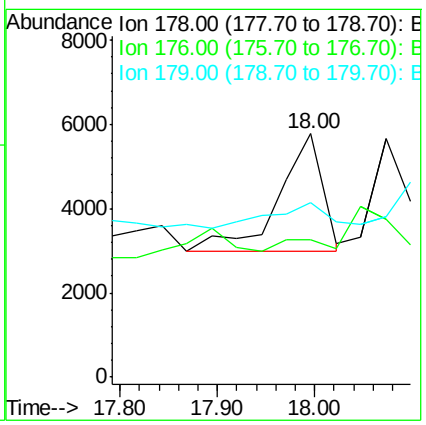


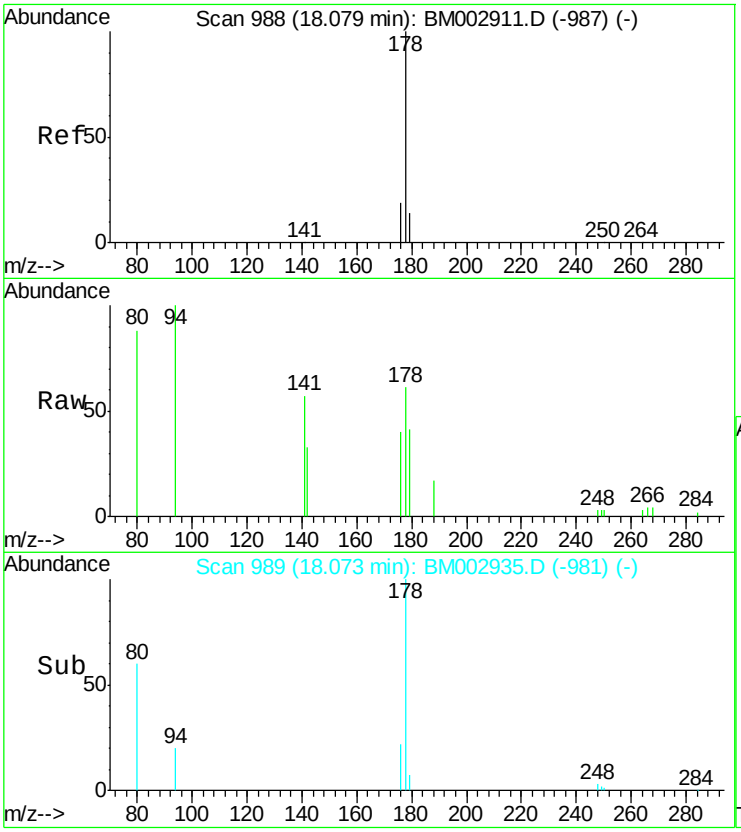


#23
Phenanthrene
Concen: 0.07 ng
RT: 18.00 min Scan# 986
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:178 Resp: 8801

Ion	Ratio	Lower	Upper
178	100		
176	0.0	14.6	21.8#
179	29.1	12.5	18.7#



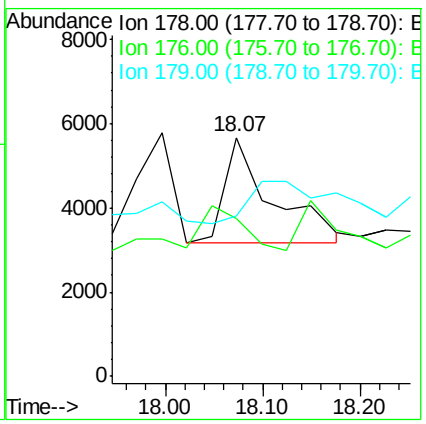


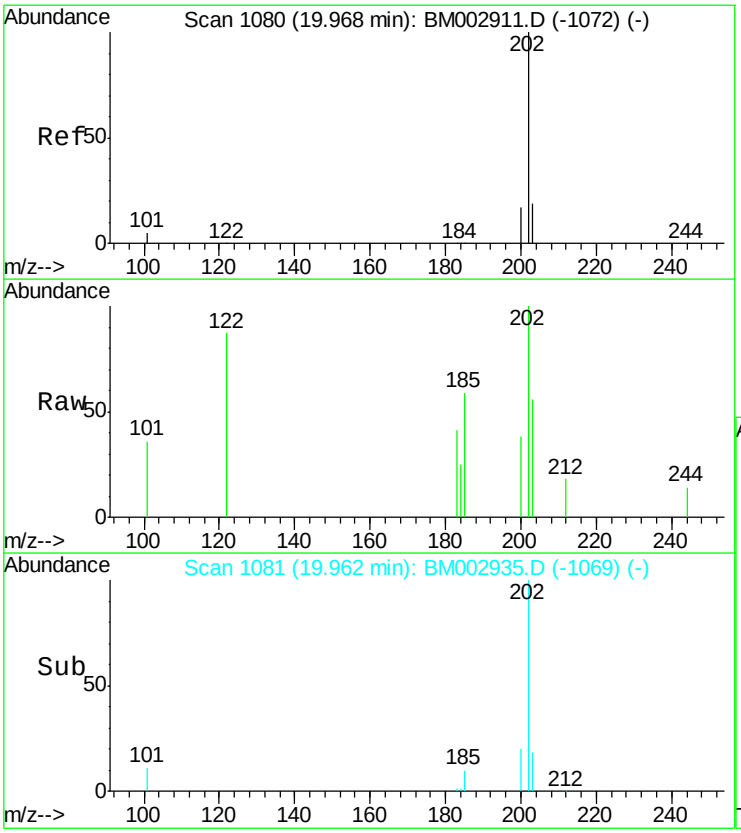
#24
Anthracene
Concen: 0.07 ng
RT: 18.07 min Scan# 989
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:178 Resp: 8385

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

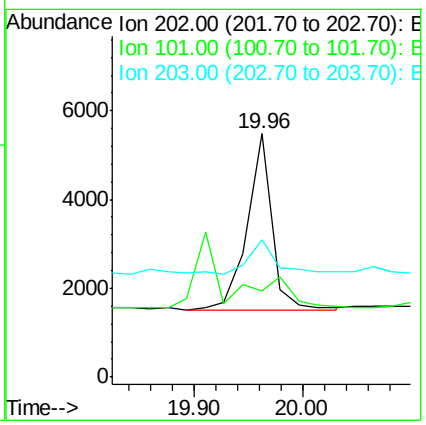


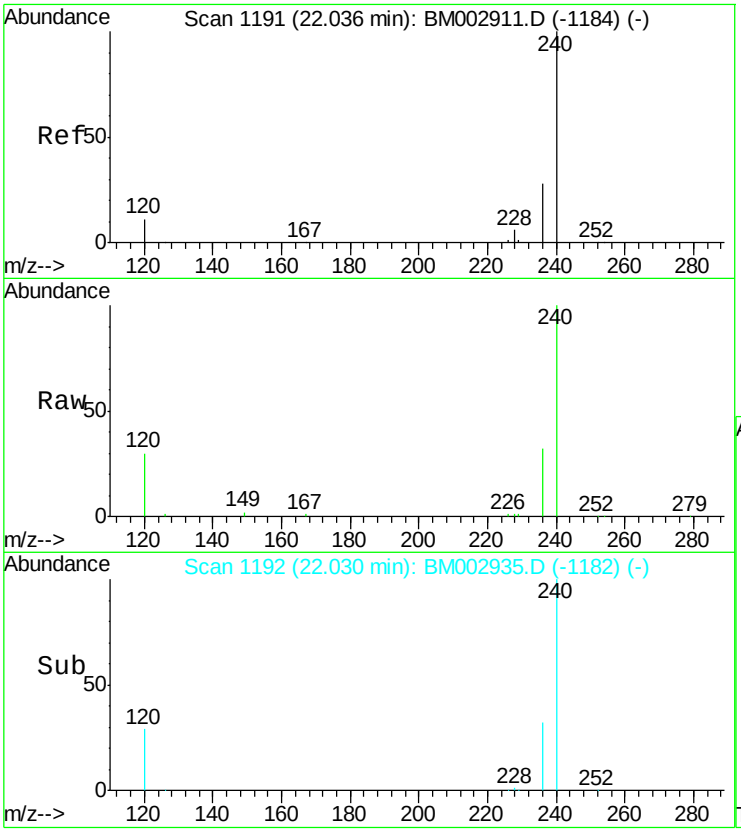


#25
Fluoranthene
Concen: 0.04 ng
RT: 19.96 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:202 Resp: 6236

Ion	Ratio	Lower	Upper
202	100		
101	15.5	11.0	16.6
203	23.1	13.8	20.6#



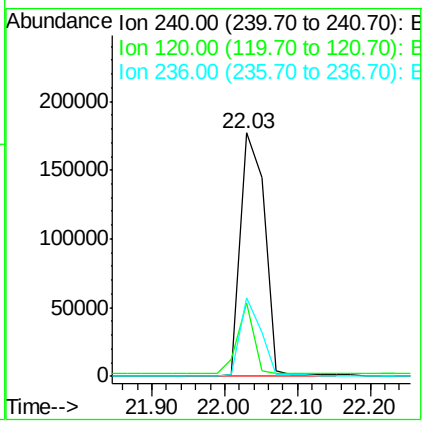


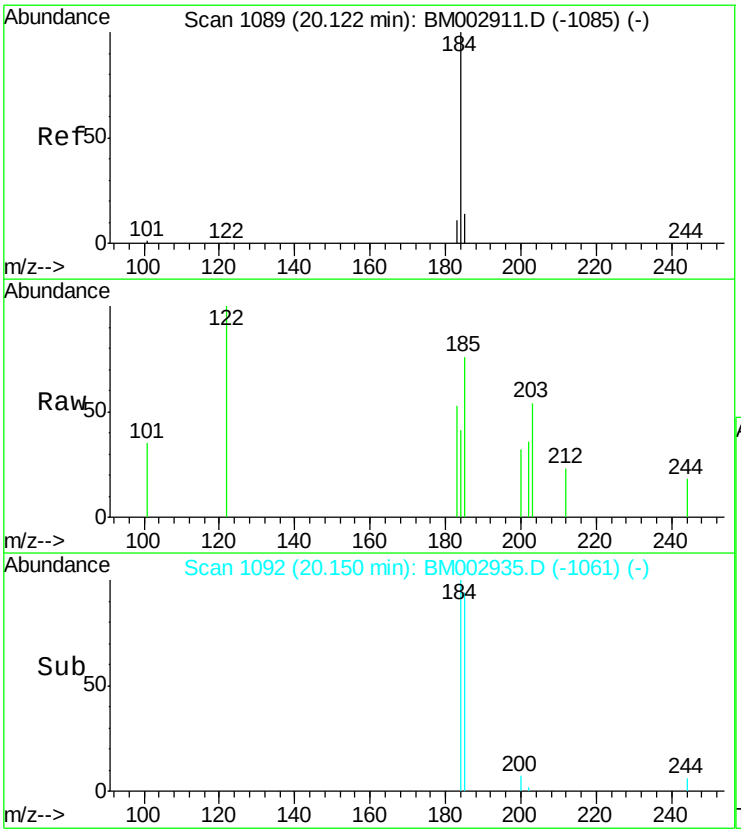
#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.03 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:240 Resp: 401516

Ion	Ratio	Lower	Upper
240	100		
120	29.9	3.3	4.9#
236	32.4	19.5	29.3#

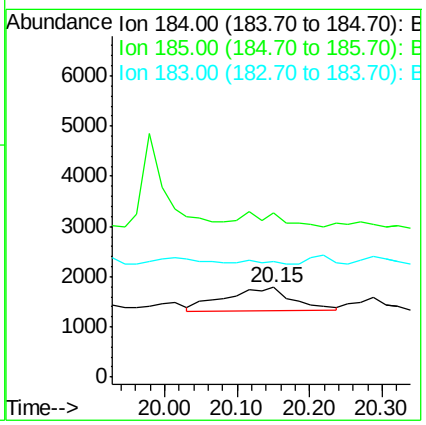


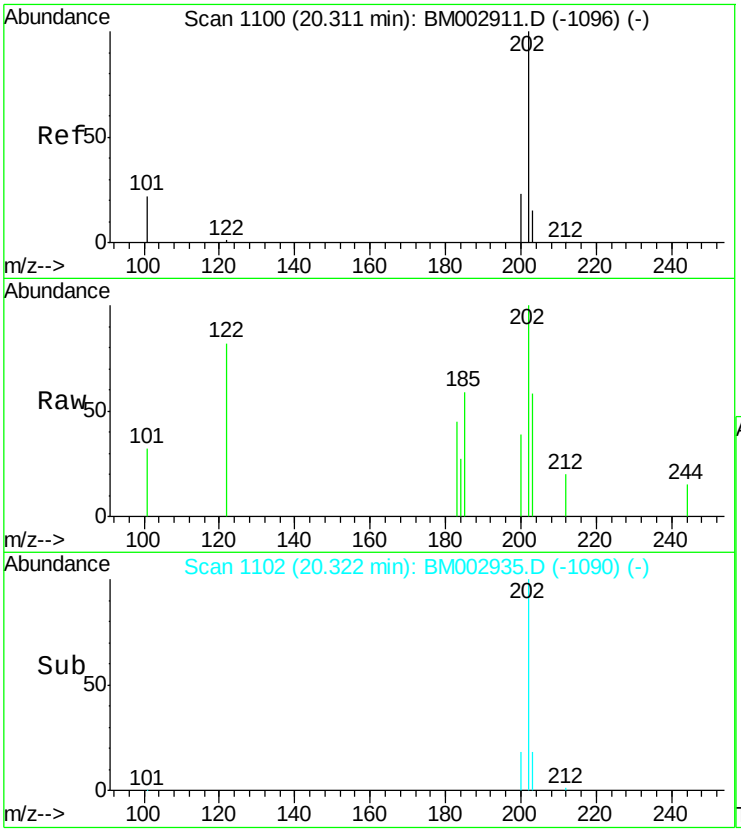


#27
Benzidine
Concen: 0.20 ng
RT: 20.15 min Scan# 1092
Delta R.T. 0.03 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:184 Resp: 3037

Ion	Ratio	Lower	Upper
184	100		
185	183.3	12.0	18.0#
183	128.1	8.9	13.3#



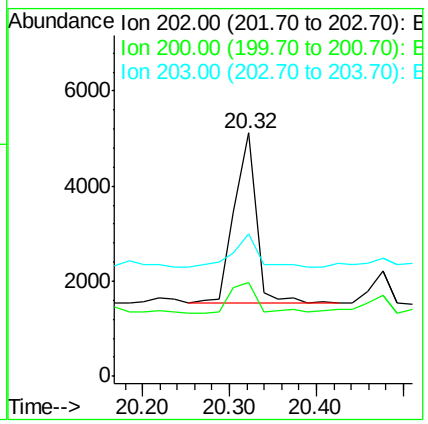


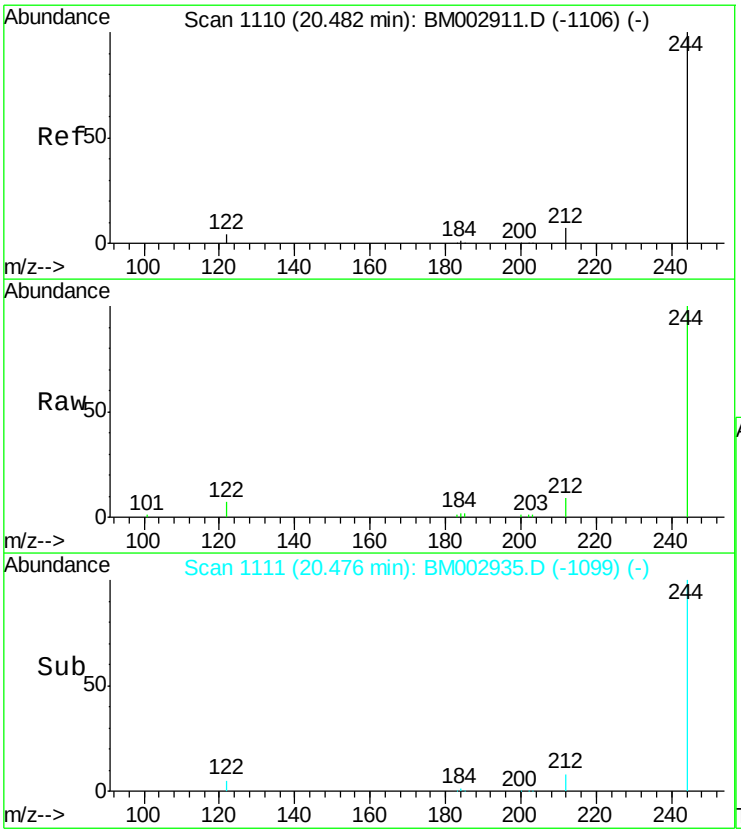
#28
Pyrene
Concen: 0.05 ng
RT: 20.32 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:202 Resp: 6225

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.2	24.4
203	21.1	13.8	20.8#

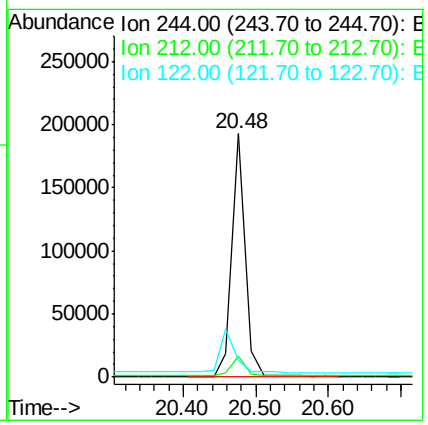


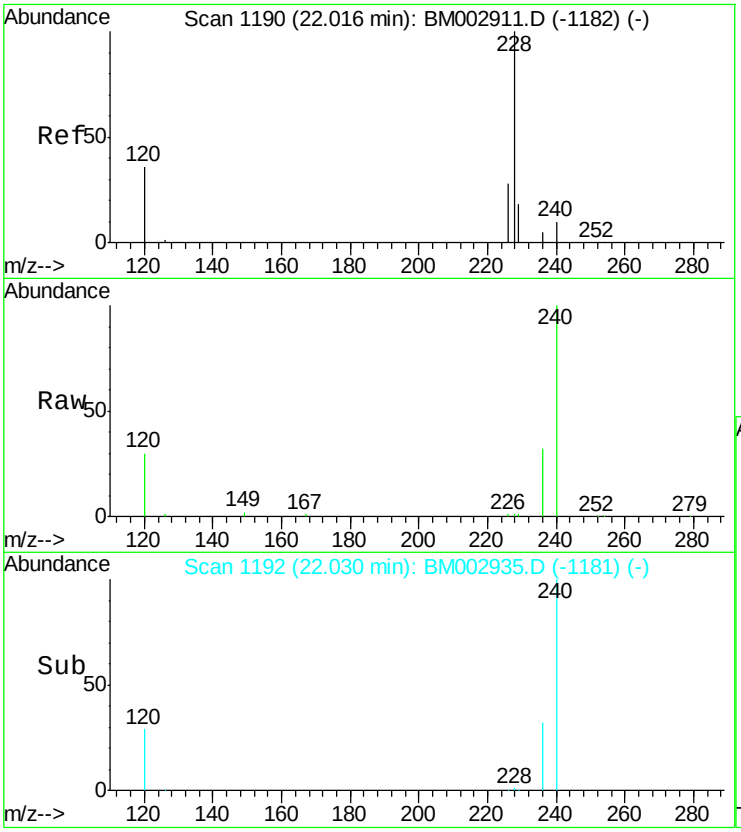


#29
Terphenyl-d14
Concen: 3.97 ng
RT: 20.48 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:244 Resp: 238363

Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.6	8.4#
122	7.0	2.2	3.2#



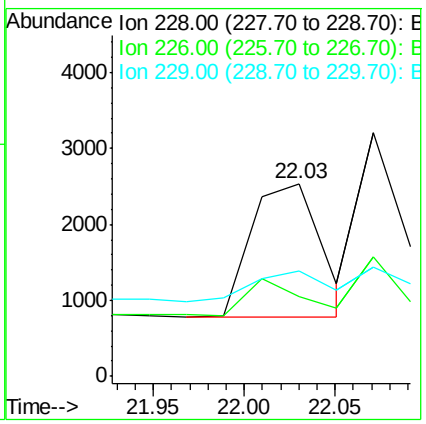


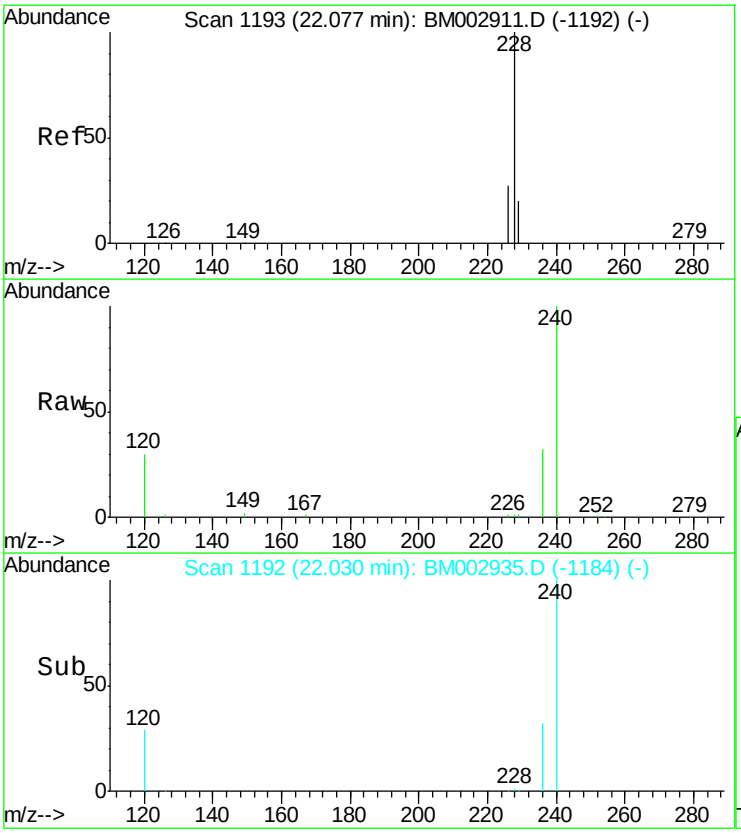
#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 22.03 min Scan# 1192
Delta R.T. 0.02 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:228 Resp: 4681

Ion	Ratio	Lower	Upper
228	100		
226	41.3	19.0	28.6#
229	55.0	16.8	25.2#

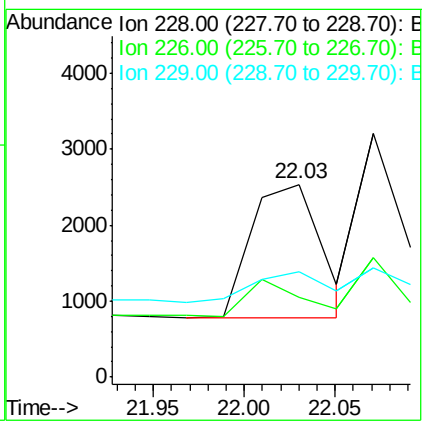


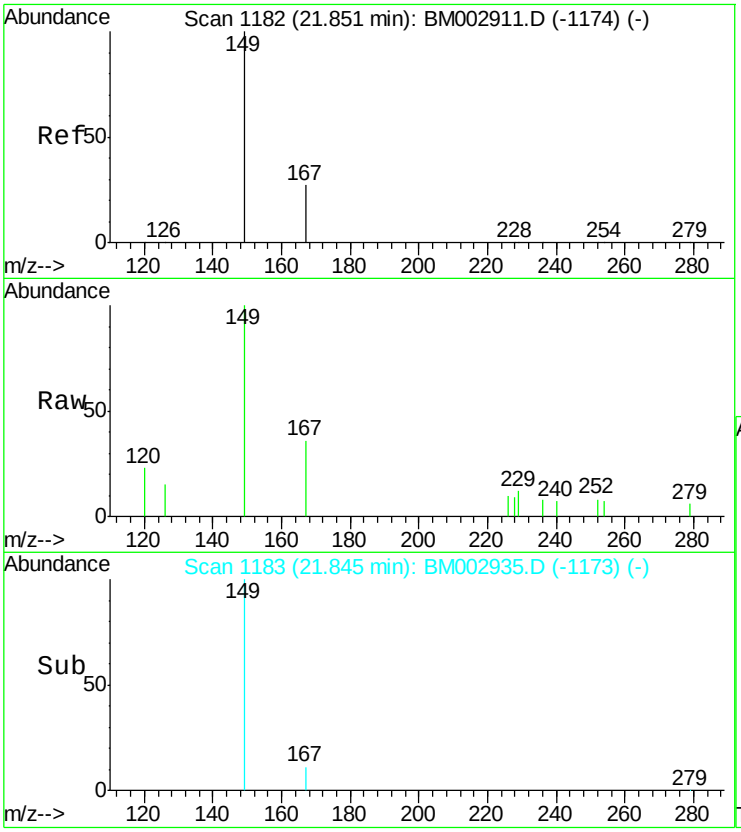


#32
Chrysene
Concen: 0.04 ng
RT: 22.03 min Scan# 1192
Delta R.T. -0.04 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:228 Resp: 4681

Ion	Ratio	Lower	Upper
228	100		
226	41.3	20.6	30.8#
229	55.0	17.4	26.2#



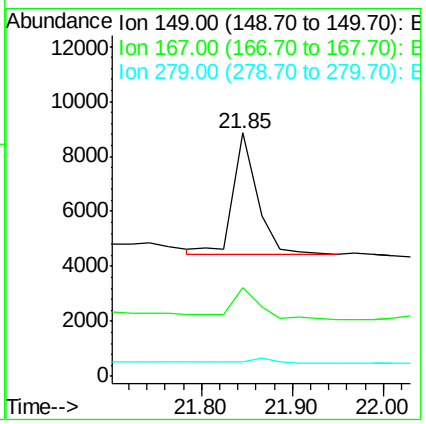


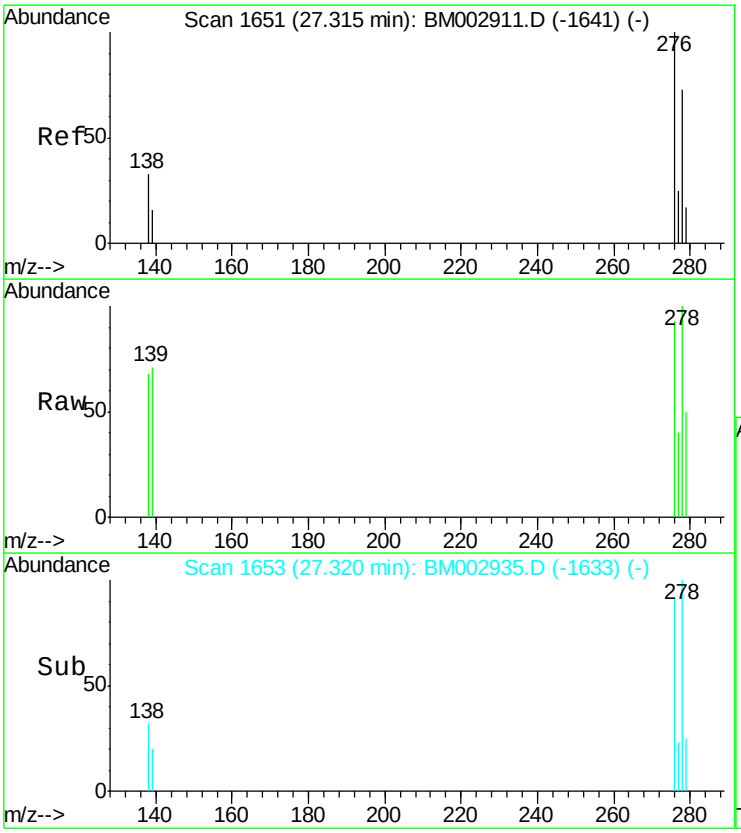
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.38 ng
RT: 21.85 min Scan# 1183
Delta R.T. -0.00 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:149 Resp: 7842

Ion	Ratio	Lower	Upper
149	100		
167	30.1	17.2	25.8#
279	0.0	2.2	3.4#

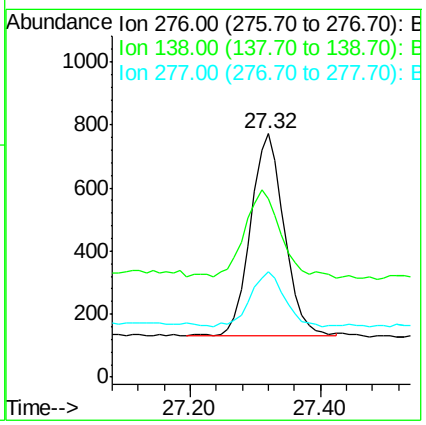


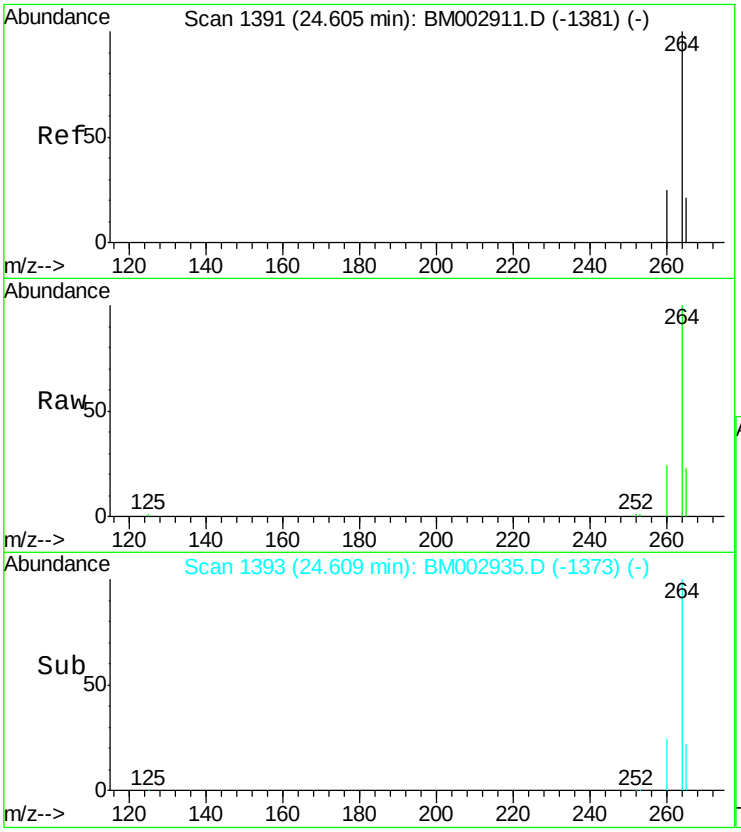


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 27.32 min Scan# 1653
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:276 Resp: 2320

Ion	Ratio	Lower	Upper
276	100		
138	44.6	29.0	43.6#
277	26.9	19.8	29.8



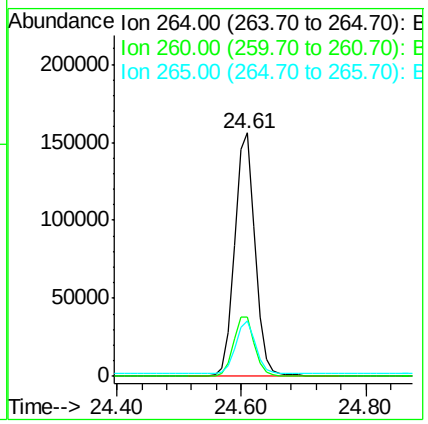


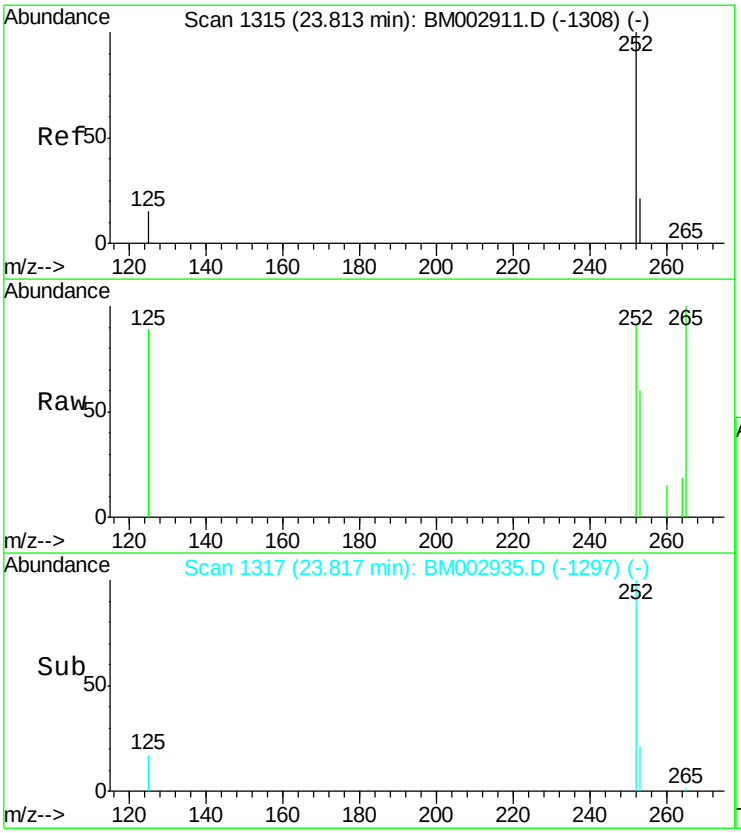
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.61 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:264 Resp: 357369

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	22.7	17.6	26.4

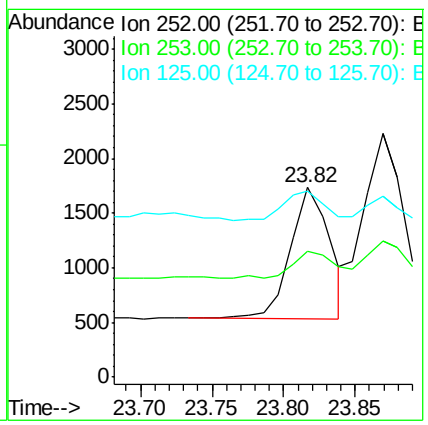


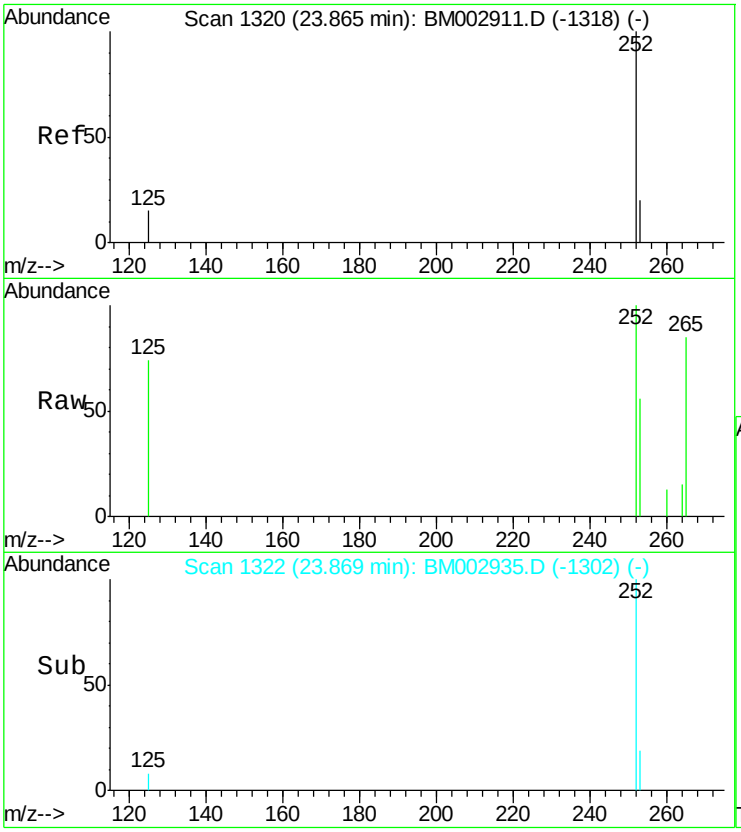


#36
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 23.82 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:252 Resp: 2306

Ion	Ratio	Lower	Upper
252	100		
253	66.1	17.5	26.3#
125	97.8	12.4	18.6#



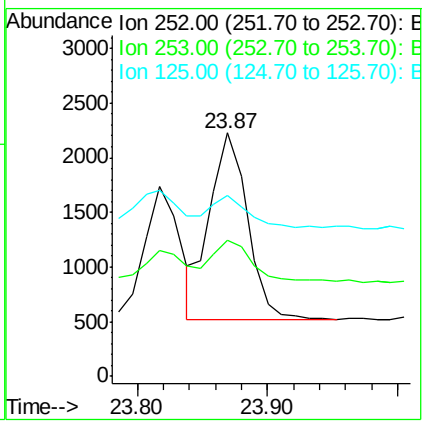


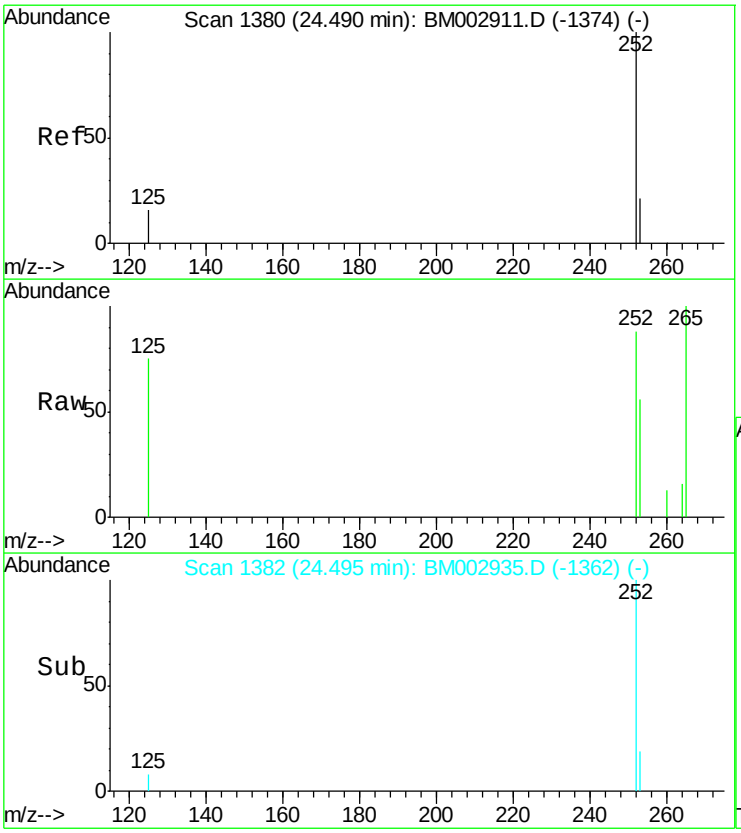
#37
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.87 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:252 Resp: 3434

Ion	Ratio	Lower	Upper
252	100		
253	55.7	17.9	26.9#
125	74.5	12.3	18.5#

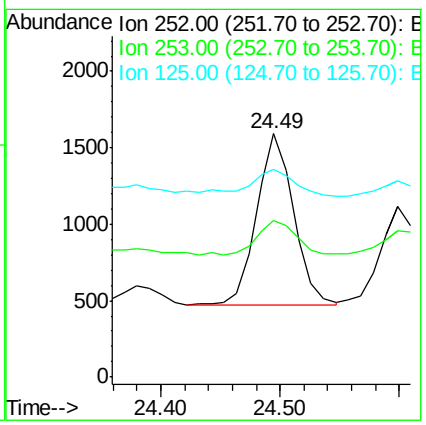


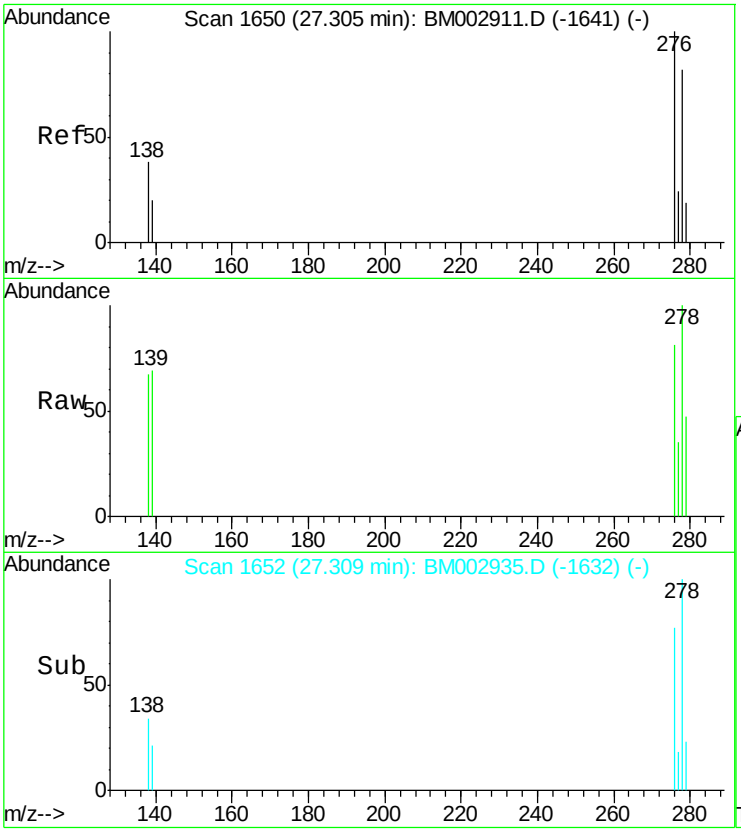


#38
Benzo(a)pyrene
Concen: 0.03 ng
RT: 24.49 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:252 Resp: 2407

Ion	Ratio	Lower	Upper
252	100		
253	64.3	18.4	27.6#
125	85.6	13.3	19.9#



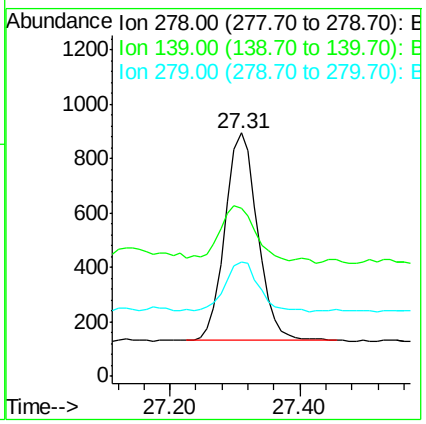


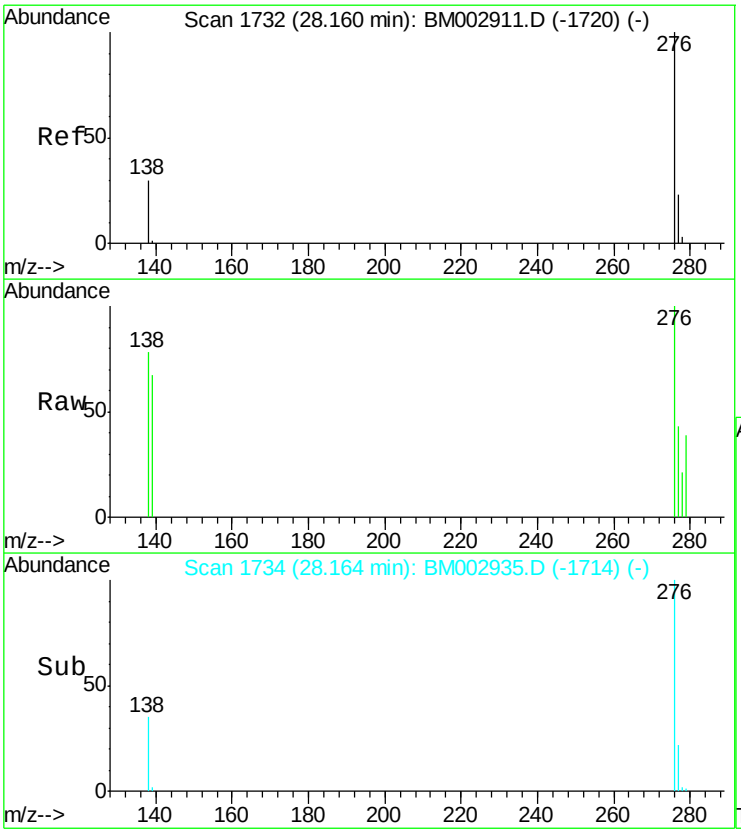
#39
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 27.31 min Scan# 1652
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Instrument :
BNA_M
ClientSampleId :
RAV-GT-113

Tgt Ion:278 Resp: 2648

Ion	Ratio	Lower	Upper
278	100		
139	68.8	19.8	29.6#
279	47.2	19.1	28.7#





#40
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 28.16 min Scan# 1734
Delta R.T. 0.01 min
Lab File: BM002935.D
Acq: 16 Oct 2015 15:29

Tgt Ion:276 Resp: 1960

Ion	Ratio	Lower	Upper
276	100		
277	43.2	19.4	29.0#
138	77.7	24.4	36.6#