Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002927.D
Acq On : 15 Oct 2015 22:58
Operator : UM/IZ
Sample : G4018-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : RAV-GT-201

Quant Time: Oct 16 07:02:33 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	101041	5.00	ng		0.00
7) Naphthalene-d8	11.50	136	428405	5.00	ng		0.00
13) Acenaphthene-d10	15.23	164	230820	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	456202	5.00	ng		0.00
26) Chrysene-d12	22.04	240	424659	5.00	ng		0.00
35) Perylene-d12	24.61	264	322037	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.12	112	59713	3.16	ng		-0.03
5) Phenol-d6	7.79	99	49515	2.05	ng		-0.02
8) Nitrobenzene-d5	9.85	82	82230	4.01	ng		-0.01
14) 2,4,6-Tribromophenol	16.72	330	77717	8.59	ng		0.00
15) 2-Fluorobiphenyl	13.88	172	283570	3.84	ng		0.00
29) Terphenyl-d14	20.48	244	267521	4.21	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.78	88	262	0.03	ng	#	33
3) n-Nitrosodimethylamine	4.08	42	398	0.06	ng	#	1
6) bis(2-Chloroethyl)ether	7.96	93	3535	0.15	ng	#	29
9) Nitrobenzene	9.94	77	121	0.01	ng	#	29
10) Naphthalene	11.56	128	37017	0.39	ng		99
11) Hexachlorobutadiene	11.80	225	33	0.00	ng	#	74
12) 2-Methylnaphthalene	13.13	142	4126	0.06	ng	#	93
16) Acenaphthylene	14.96	152	4087	0.04	ng	#	81
17) Acenaphthene	15.30	154	5290	0.08	ng	#	100
18) Fluorene	16.27	166	5674	0.07	ng		95
20) 4-Bromophenyl-phenylether	17.13	248	947	0.05	ng	#	43
21) Hexachlorobenzene	17.26	284	187	Below Cal		#	85
22) Pentachlorophenol	17.62	266	205	0.33	ng	#	82
23) Phenanthrene	17.98	178	8473	0.08	ng	#	83
24) Anthracene	18.08	178	3739	0.04	ng	#	80
25) Fluoranthene	19.95	202	7198	0.06	ng	#	93
27) Benzidine	20.14	184	245	0.16	ng	#	1
28) Pyrene	20.31	202	7630	0.06	ng		96
30) Benzo(a)anthracene	22.02	228	5415	0.04	ng	#	65
31) 3,3'-Dichlorobenzidine	21.93	252	315	0.01	ng	#	57
32) Chrysene	22.02	228	5415	0.05	ng	#	69
33) Bis(2-ethylhexyl)phthalate	21.85	149	10488	0.40	ng	#	84
34) Indeno(1,2,3-cd)pyrene	27.33	276	1021	0.01	ng		96
36) Benzo(b)fluoranthene	23.81	252	1547	0.02	ng	#	1
37) Benzo(k)fluoranthene	23.86	252	1132	0.01	ng	#	1
38) Benzo(a)pyrene	24.49	252	989	0.01	ng	#	1
39) Dibenzo(a,h)anthracene	27.32	278	676	0.01	ng	#	1
40) Benzo(g,h,i)perylene	28.17	276	906	0.01	ng	#	17

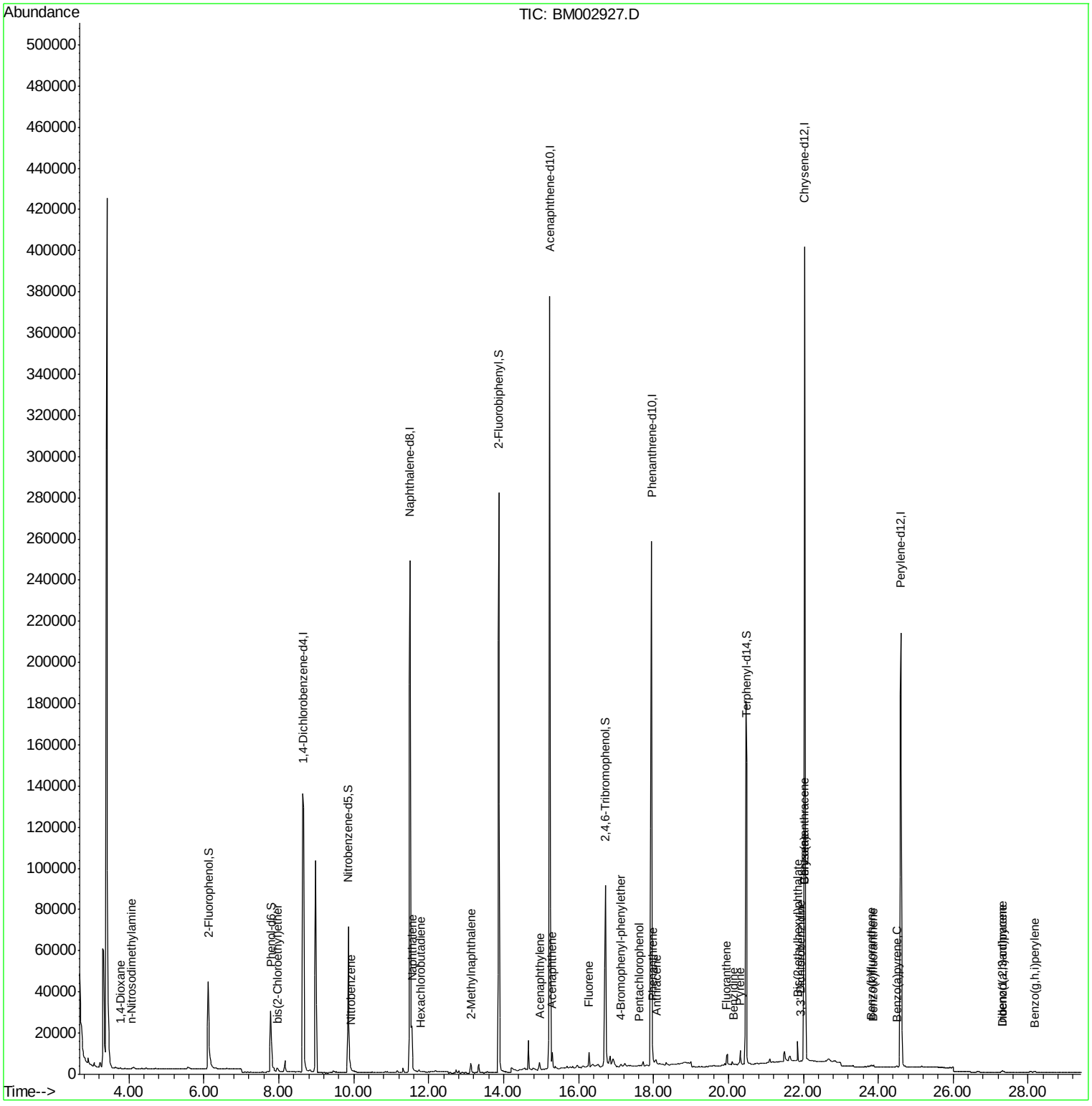
(#) = qualifier out of range (m) = manual integration (+) = signals summed

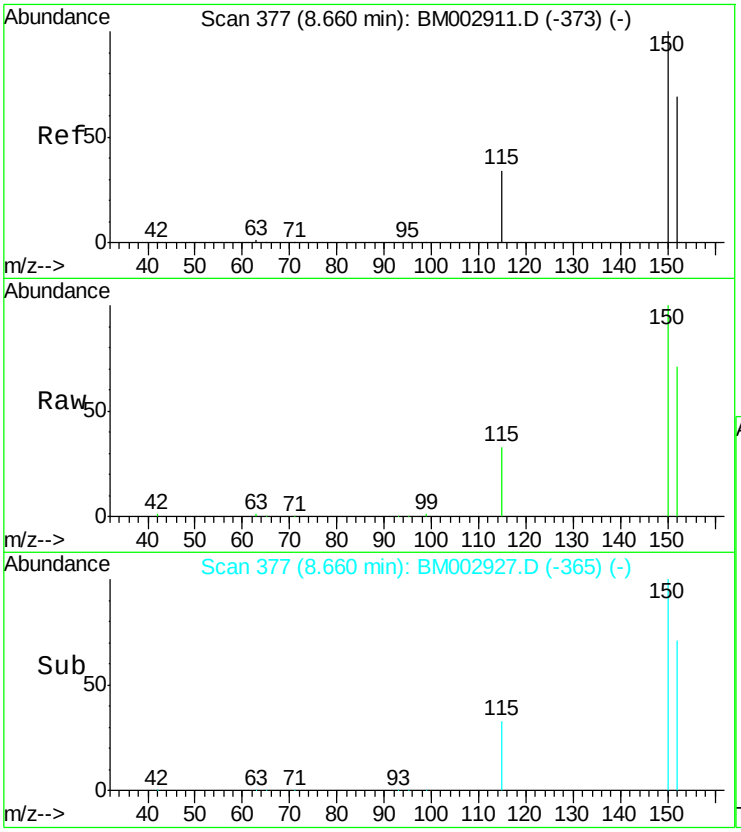
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002927.D
Acq On : 15 Oct 2015 22:58
Operator : UM/IZ
Sample : G4018-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Quant Time: Oct 16 07:02:33 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



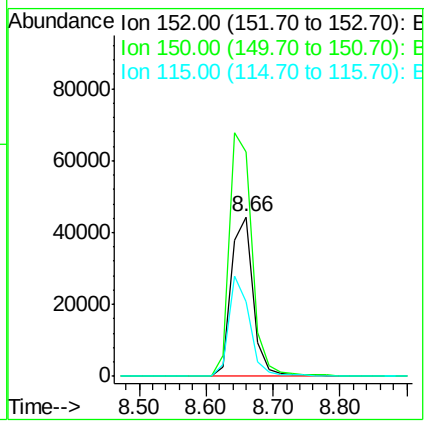


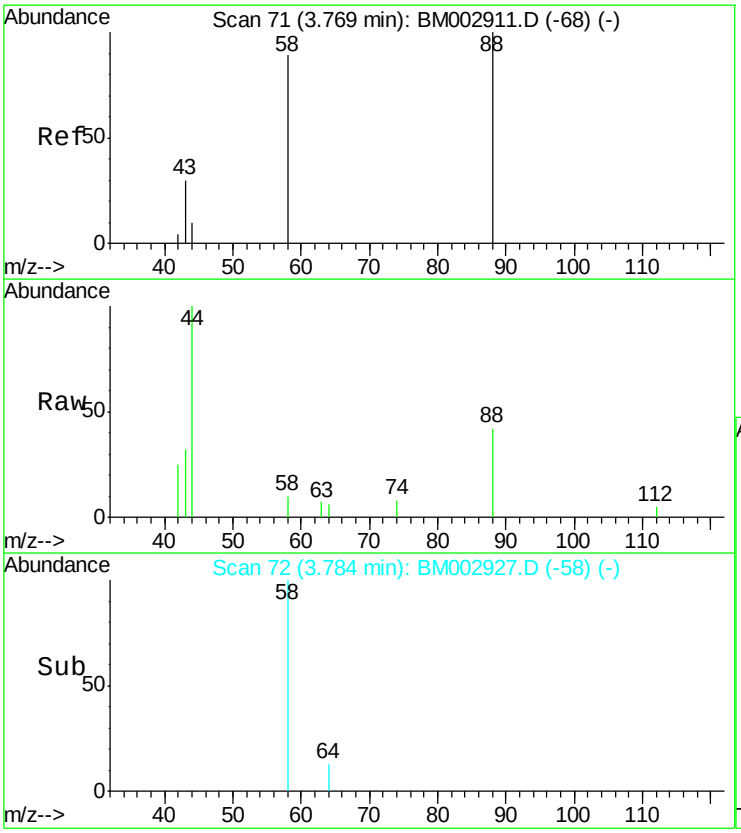
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:152 Resp: 101041

Ion	Ratio	Lower	Upper
152	100		
150	140.6	113.0	169.6
115	46.8	37.9	56.9

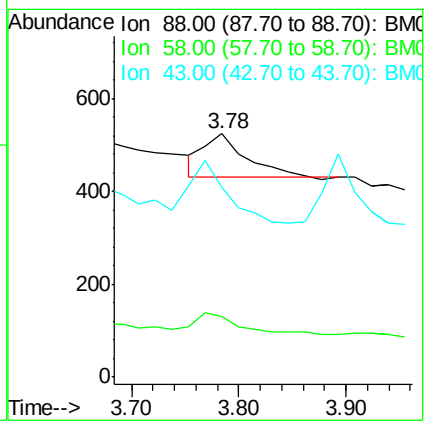


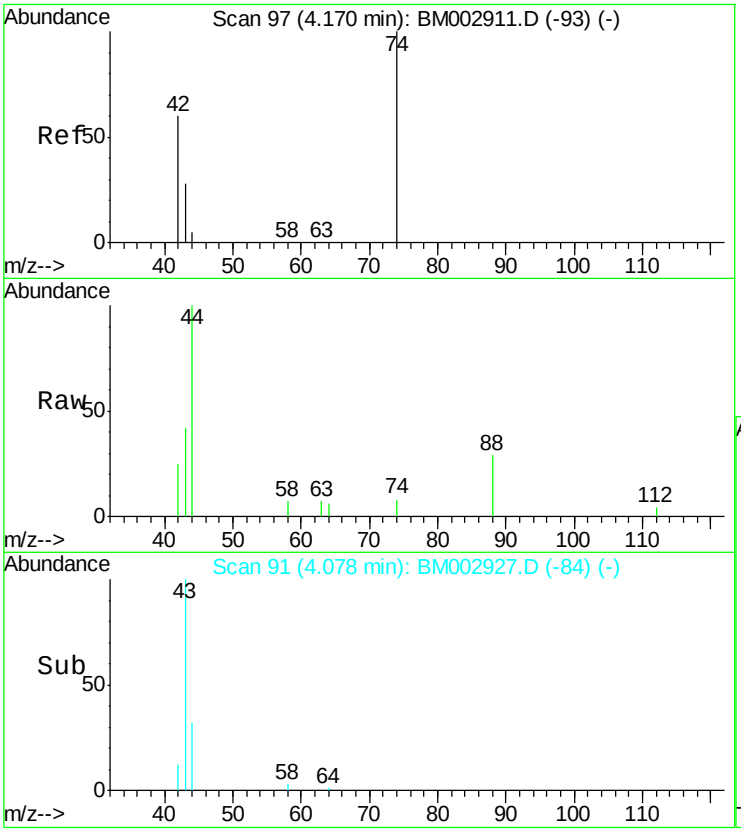


#2
1,4-Dioxane
Concen: 0.03 ng
RT: 3.78 min Scan# 72
Delta R.T. 0.02 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion: 88 Resp: 262

Ion	Ratio	Lower	Upper
88	100		
58	50.8	56.7	85.1#
43	120.2	22.0	33.0#



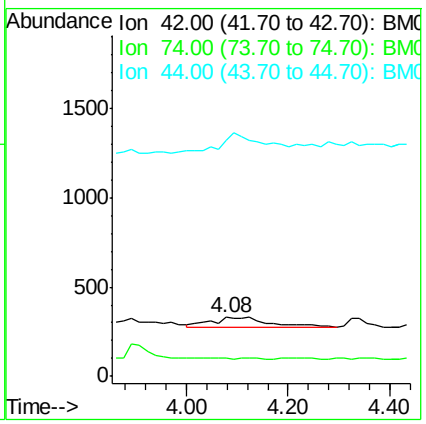


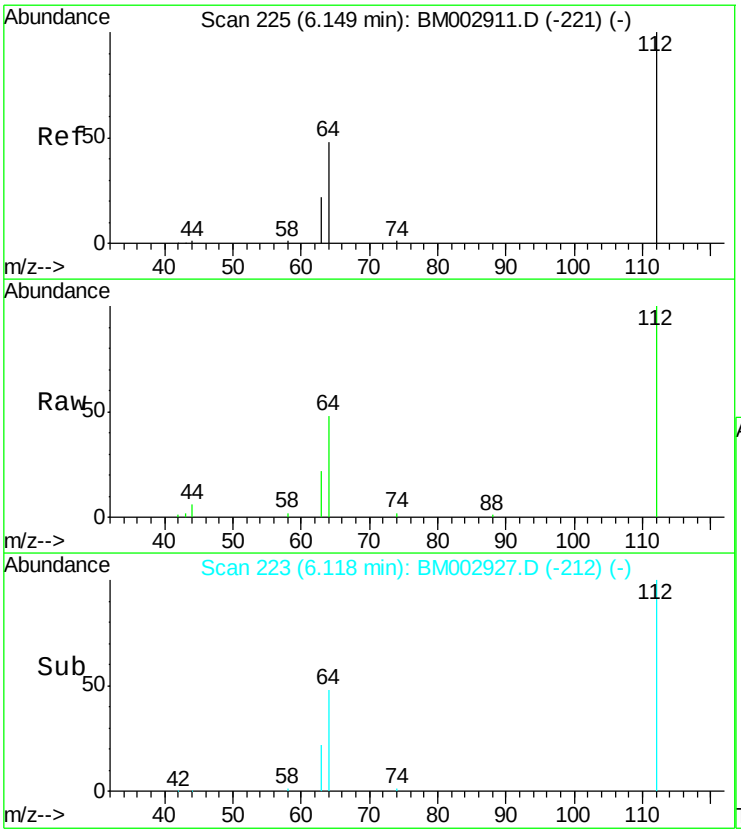
#3
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 4.08 min Scan# 91
Delta R.T. -0.09 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion: 42 Resp: 398

Ion	Ratio	Lower	Upper
42	100		
74	0.0	119.7	179.5#
44	116.8	9.8	14.6#

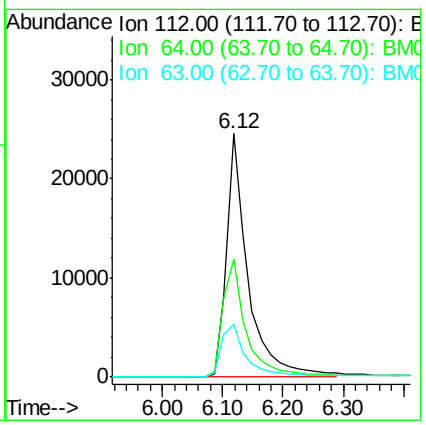


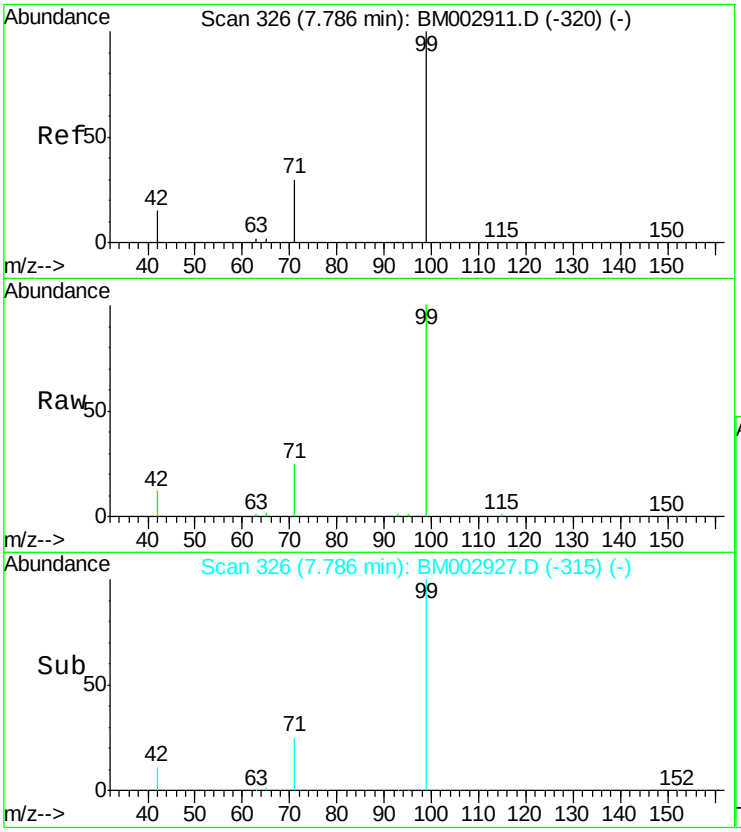


#4
2-Fluorophenol
Concen: 3.16 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:112 Resp: 59713

Ion	Ratio	Lower	Upper
112	100		
64	51.6	42.0	63.0
63	24.5	20.0	30.0



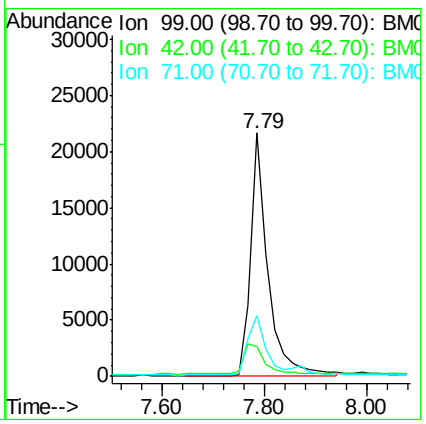


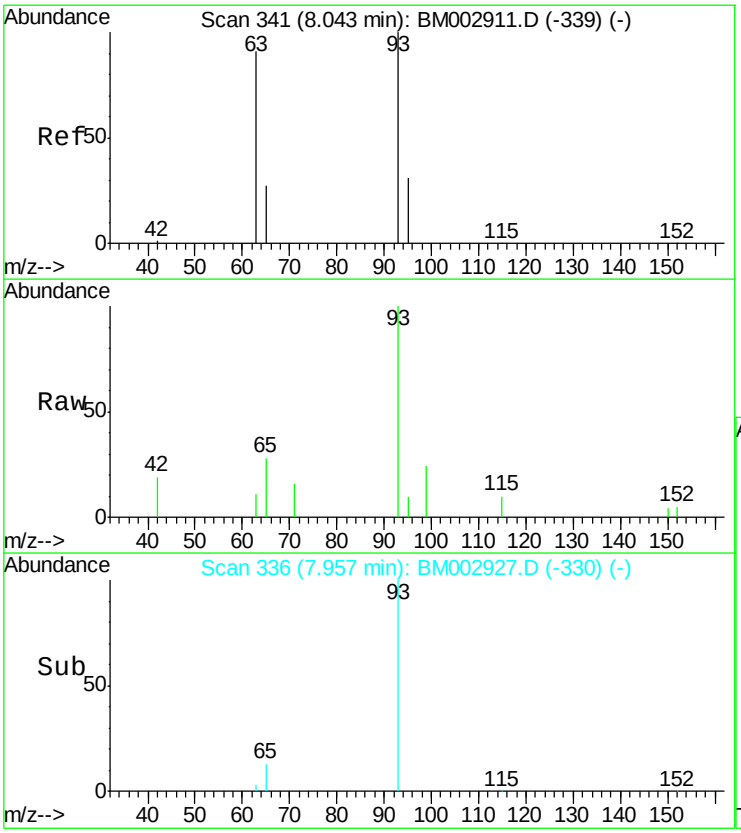
#5
Phenol-d6
Concen: 2.05 ng
RT: 7.79 min Scan# 326
Delta R.T. -0.02 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion: 99 Resp: 49515

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.4	18.6
71	30.3	21.4	32.0

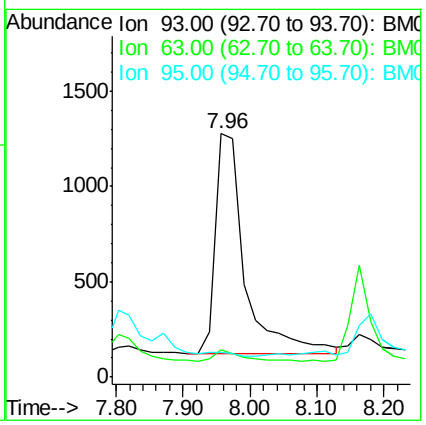


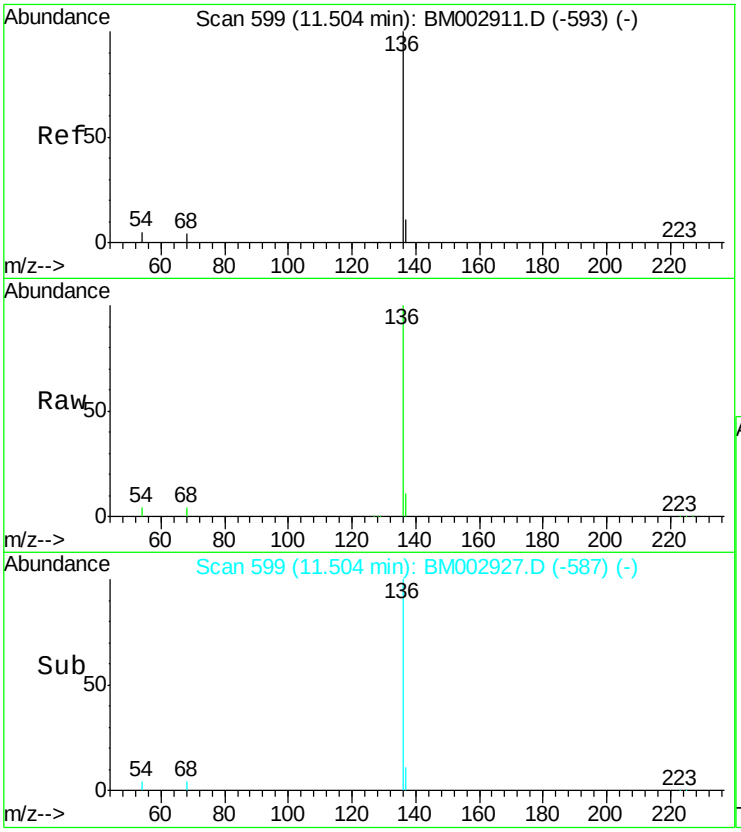


#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.96 min Scan# 336
Delta R.T. -0.10 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion: 93 Resp: 3535

Ion	Ratio	Lower	Upper
93	100		
63	4.6	52.9	79.3#
95	0.0	25.2	37.8#



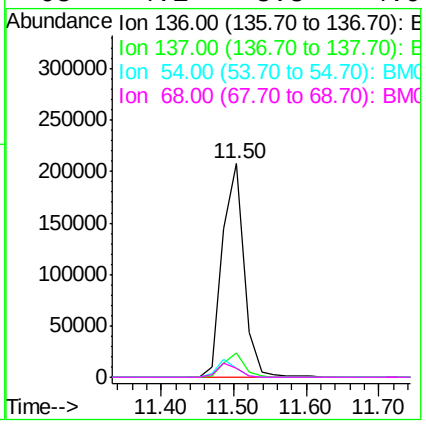


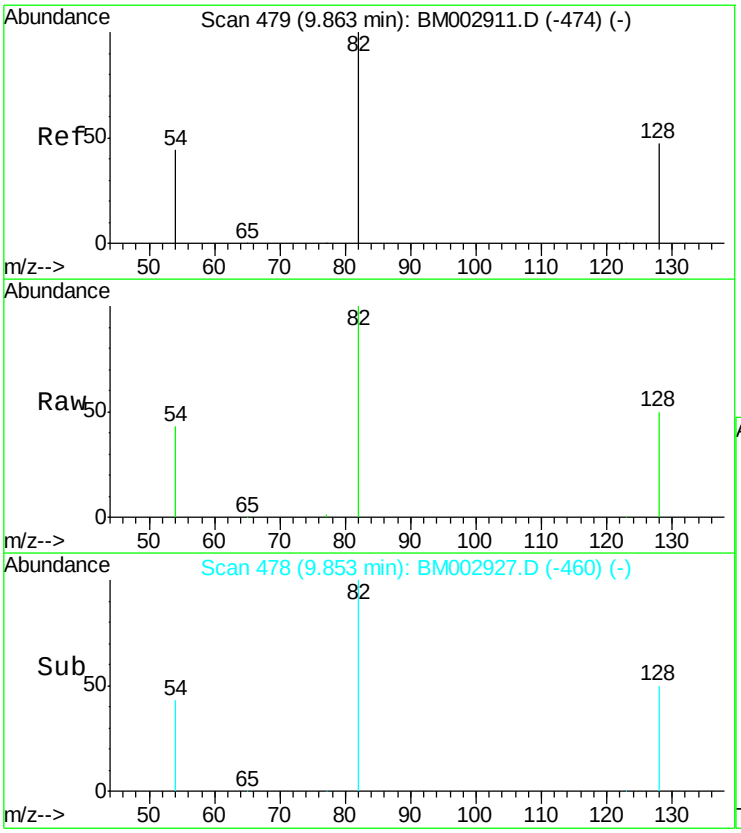
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.50 min Scan# 599
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:136 Resp: 428405

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	4.4	3.5	5.3
68	4.1	3.3	4.9

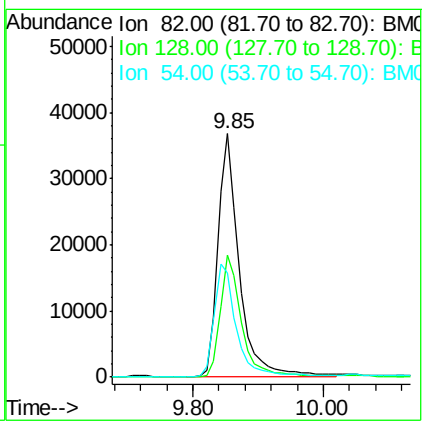


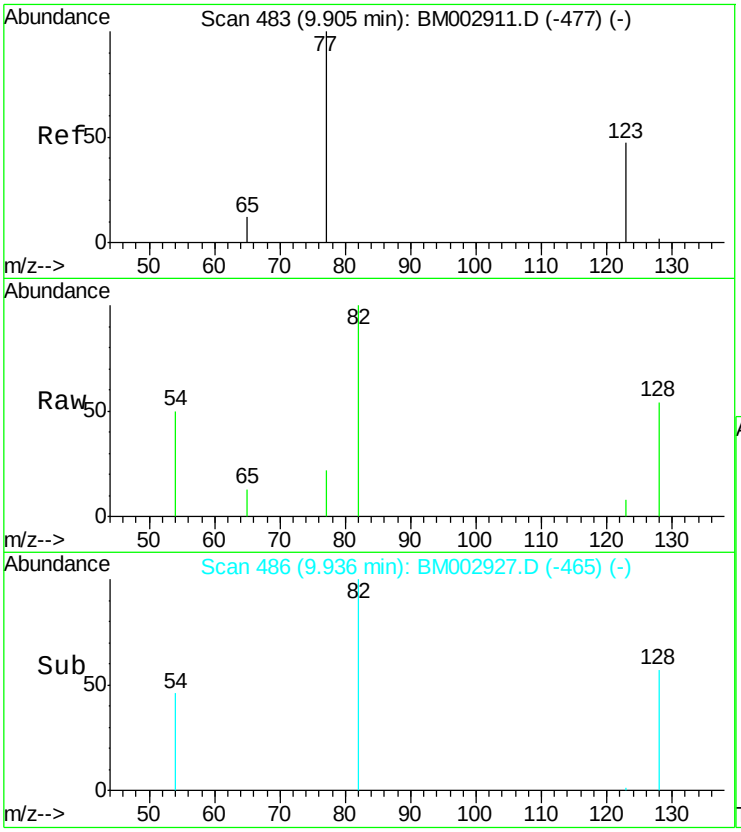


#8
Nitrobenzene-d5
Concen: 4.01 ng
RT: 9.85 min Scan# 478
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion: 82 Resp: 82230

Ion	Ratio	Lower	Upper
82	100		
128	50.1	34.1	51.1
54	43.0	42.6	63.8



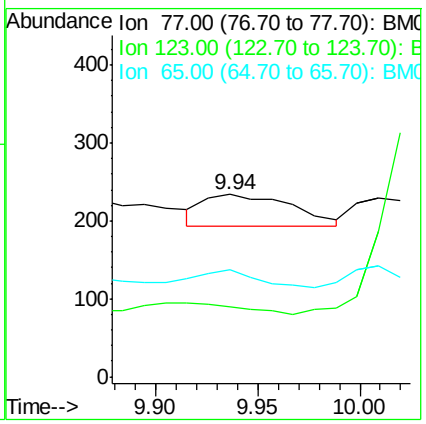


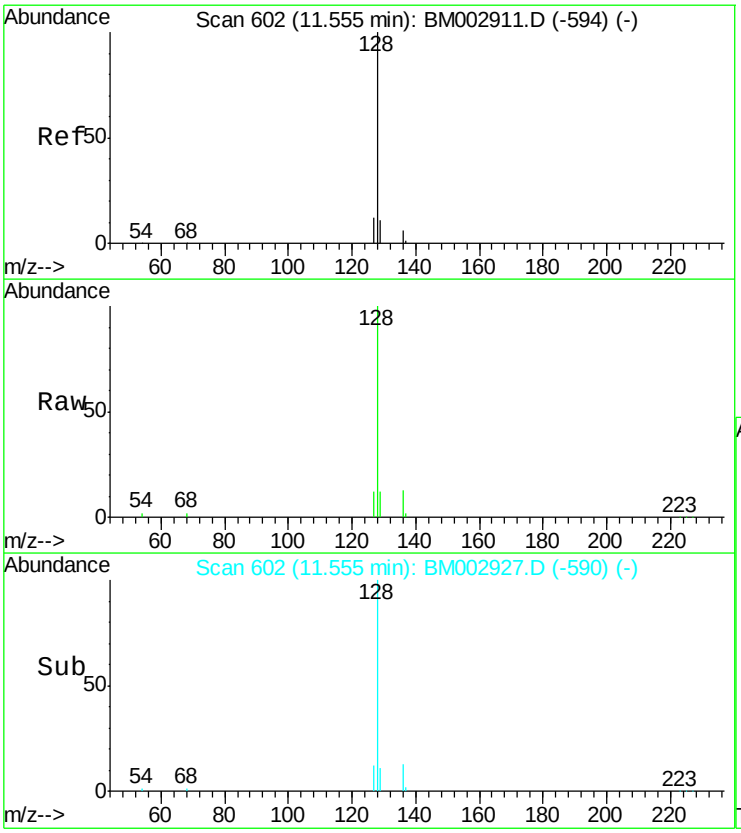
#9
Nitrobenzene
Concen: 0.01 ng
RT: 9.94 min Scan# 486
Delta R.T. 0.02 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion: 77 Resp: 121

Ion	Ratio	Lower	Upper
77	100		
123	0.0	41.0	61.4#
65	34.7	9.7	14.5#

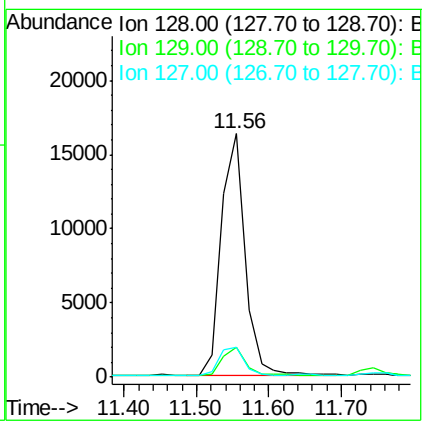


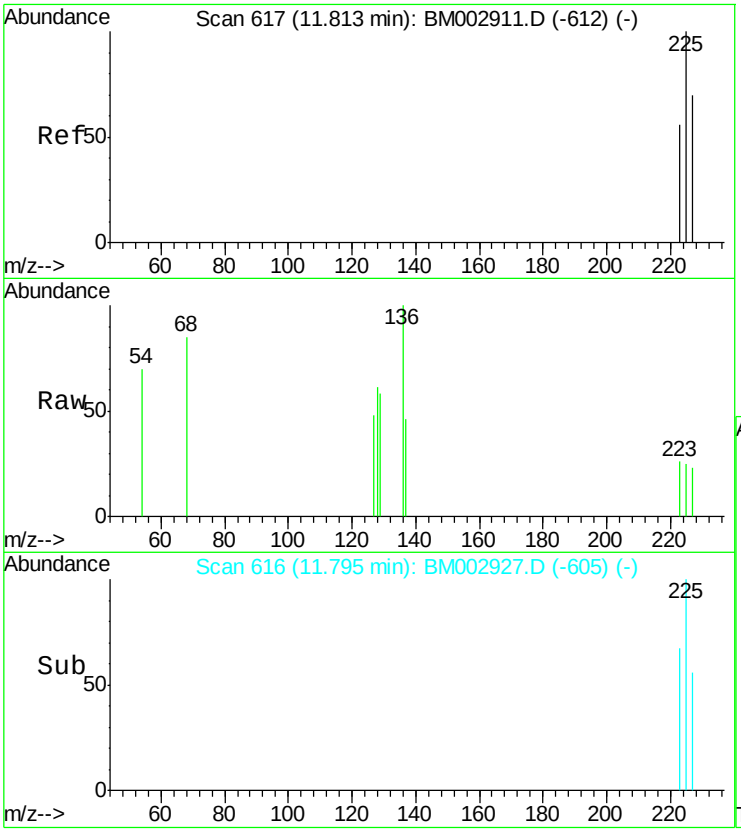


#10
Naphthalene
Concen: 0.39 ng
RT: 11.56 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:128 Resp: 37017

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.4	14.2
127	12.4	9.6	14.4



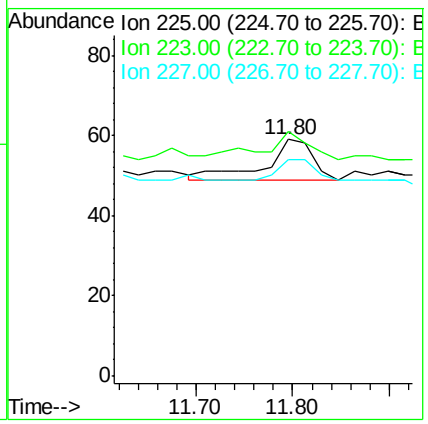


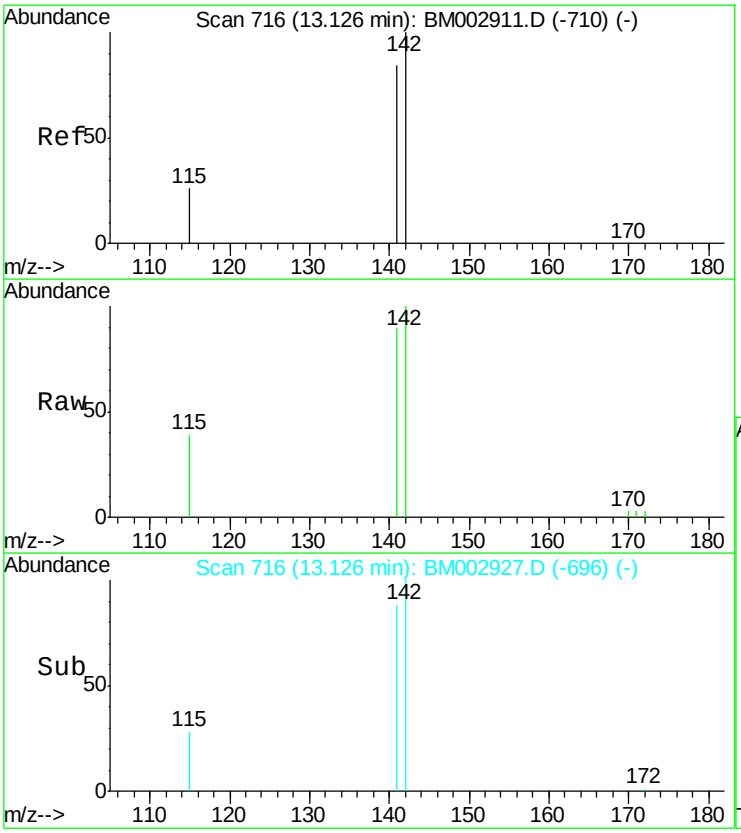
#11
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.80 min Scan# 616
Delta R.T. -0.02 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:225 Resp: 33

Ion	Ratio	Lower	Upper
225	100		
223	75.8	50.1	75.1#
227	36.4	51.2	76.8#

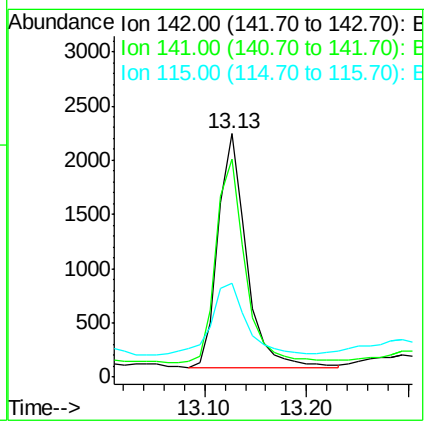


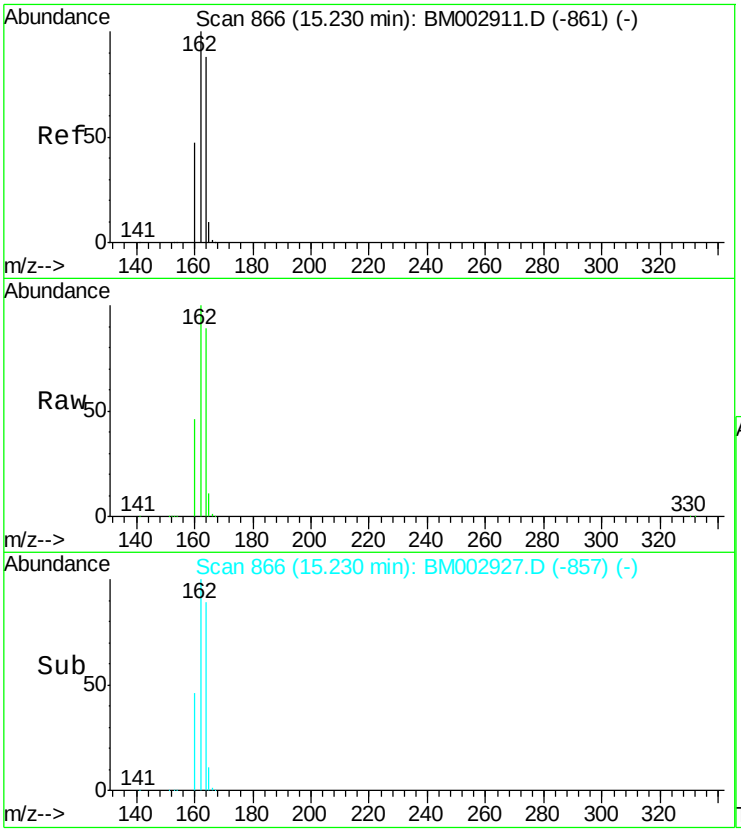


#12
2-Methylnaphthalene
Concen: 0.06 ng
RT: 13.13 min Scan# 716
Delta R.T. 0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:142 Resp: 4126

Ion	Ratio	Lower	Upper
142	100		
141	89.7	69.4	104.0
115	38.6	22.7	34.1#



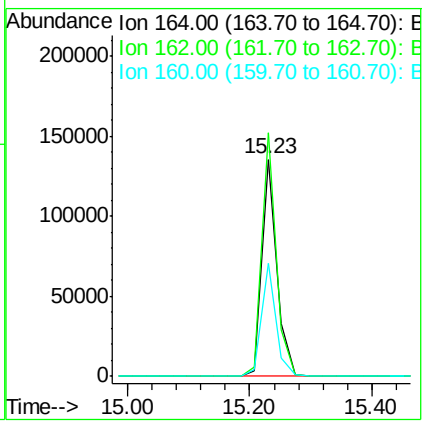


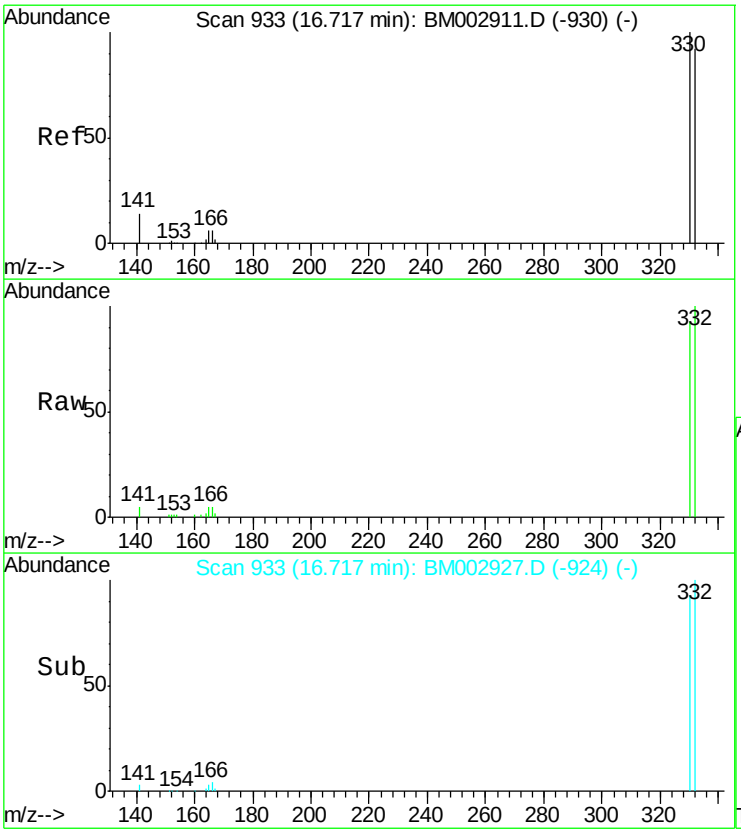
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 866
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:164 Resp: 230820

Ion	Ratio	Lower	Upper
164	100		
162	112.1	79.6	119.4
160	52.1	33.1	49.7#

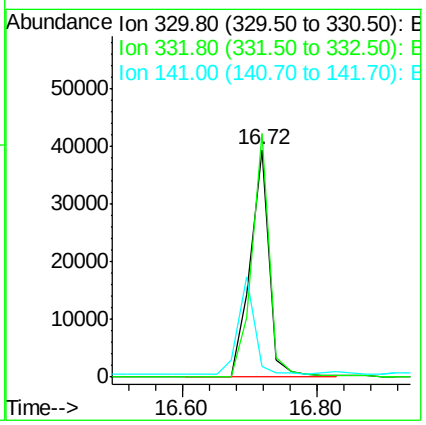


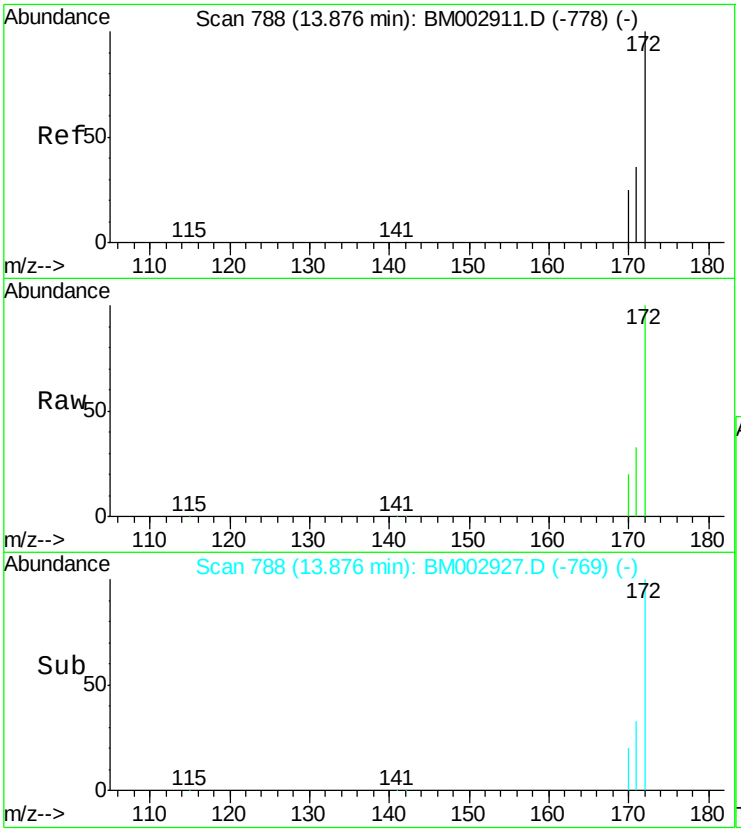


#14
2,4,6-Tribromophenol
Concen: 8.59 ng
RT: 16.72 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:330 Resp: 77717

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	0.0	0.0	0.0



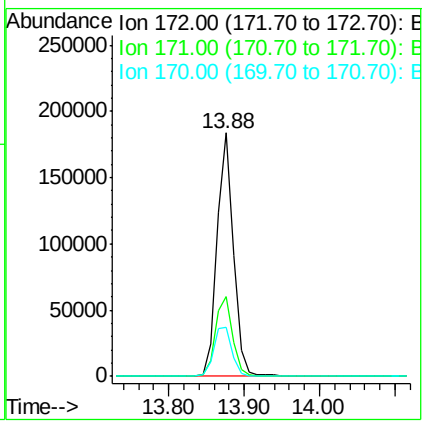


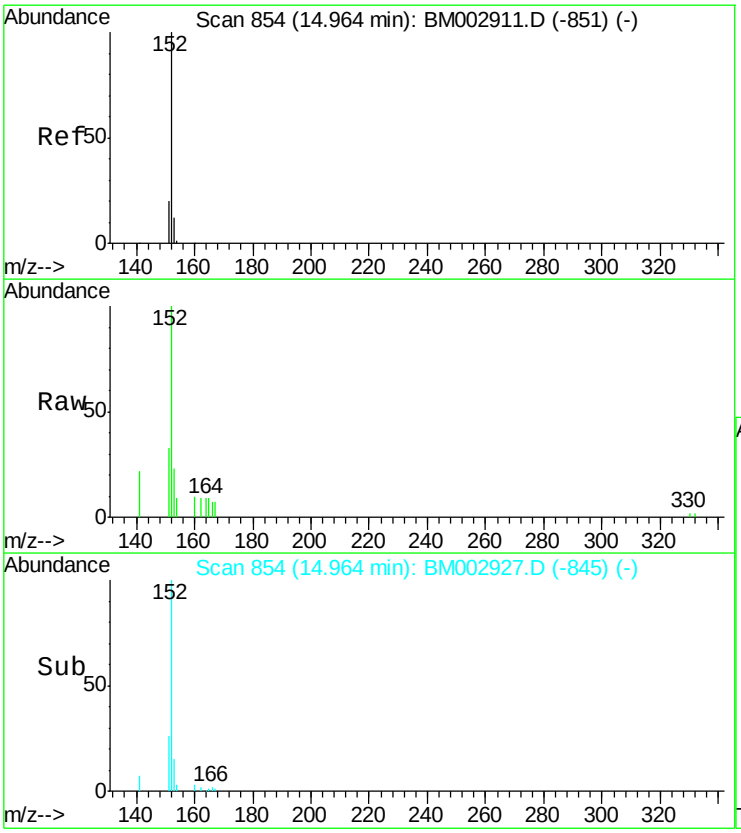
#15
2-Fluorobiphenyl
Concen: 3.84 ng
RT: 13.88 min Scan# 788
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:172 Resp: 283570

Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.1	39.1
170	20.1	15.7	23.5

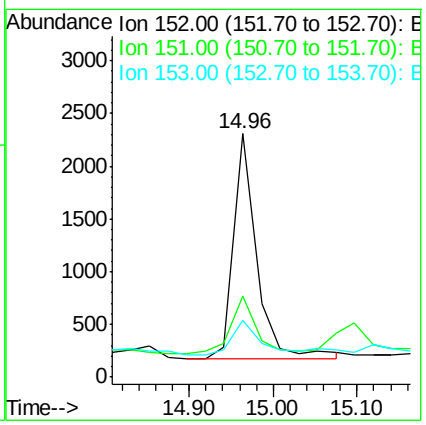


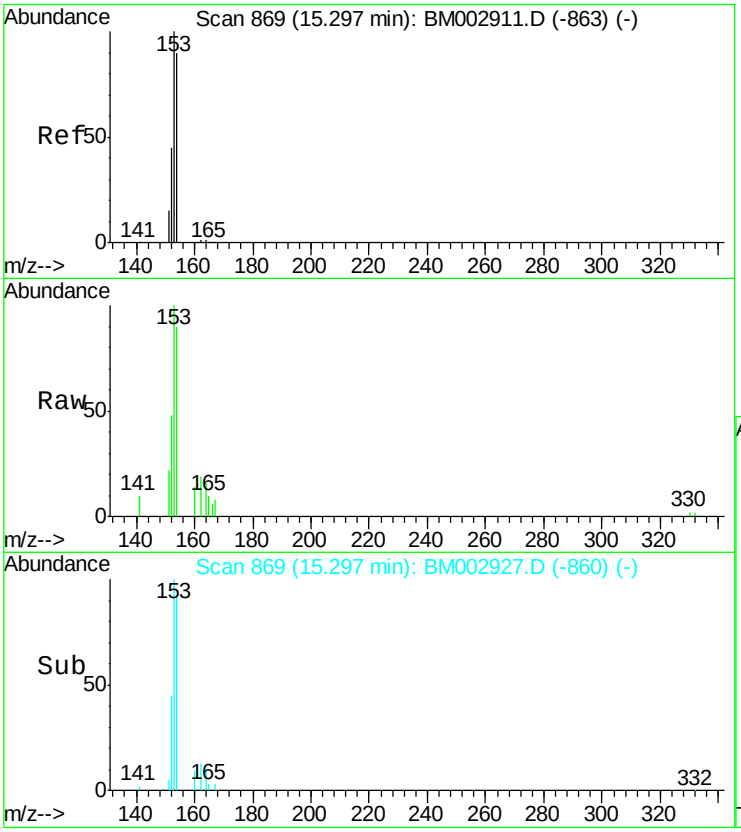


#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.96 min Scan# 854
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:152 Resp: 4087

Ion	Ratio	Lower	Upper
152	100		
151	28.5	15.3	22.9#
153	19.3	10.5	15.7#



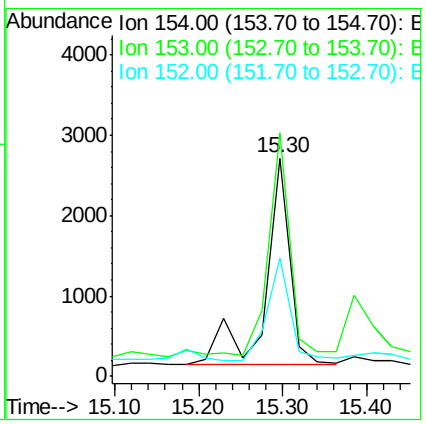


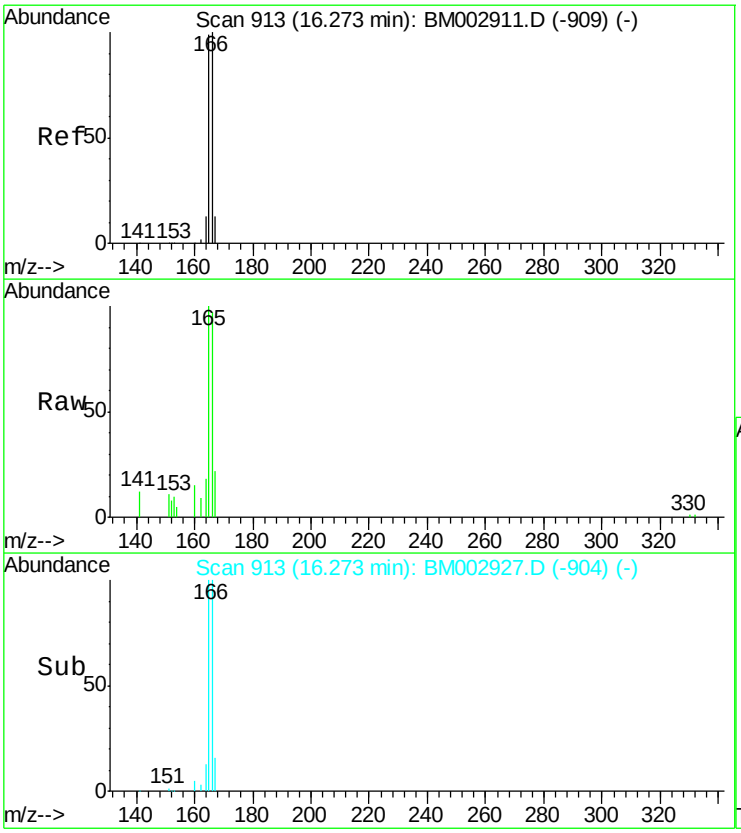
#17
Acenaphthene
Concen: 0.08 ng
RT: 15.30 min Scan# 869
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:154 Resp: 5290

Ion	Ratio	Lower	Upper
154	100		
153	88.6	0.0	0.0#
152	45.6	0.0	0.0#

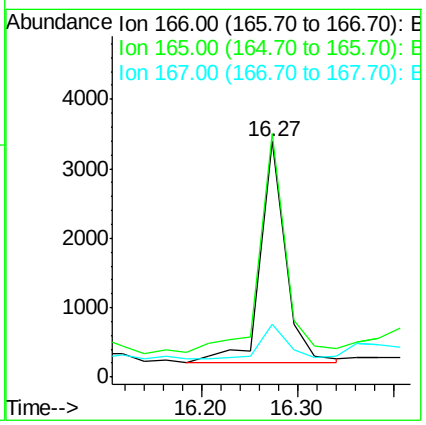


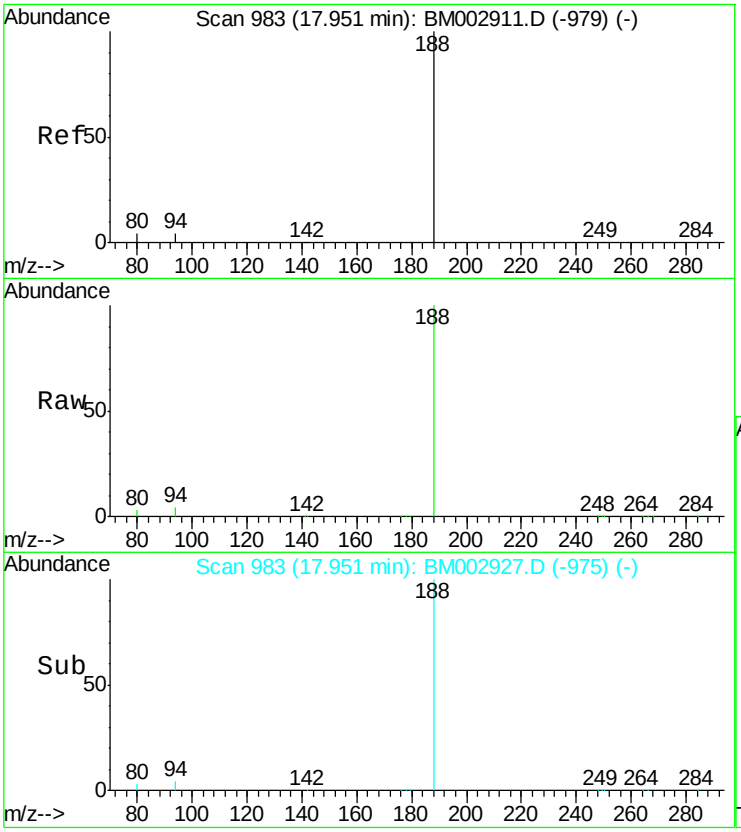


#18
Fluorene
Concen: 0.07 ng
RT: 16.27 min Scan# 913
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:166 Resp: 5674

Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.3	115.9
167	16.3	10.9	16.3



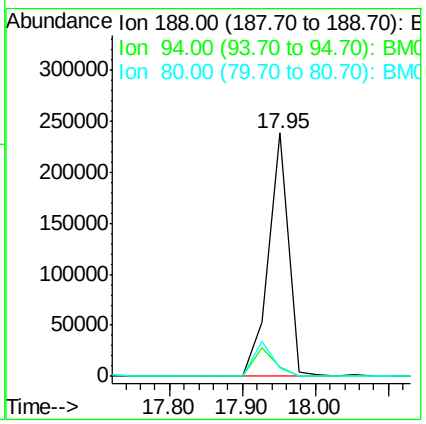


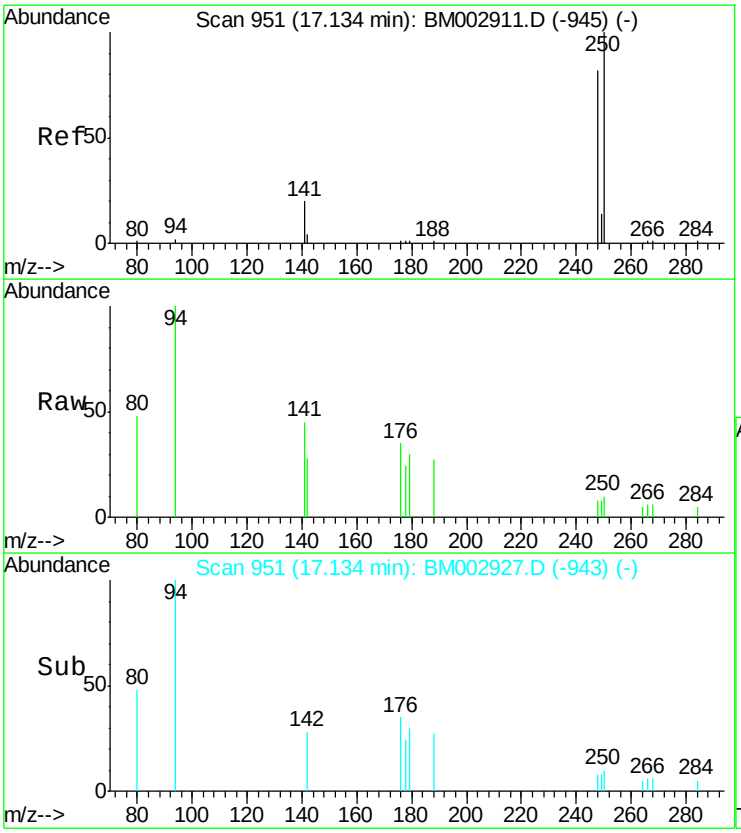
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 983
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:188 Resp: 456202

Ion	Ratio	Lower	Upper
188	100		
94	3.9	15.2	22.8#
80	3.2	15.9	23.9#

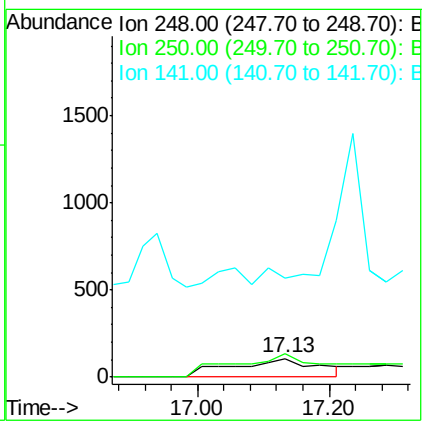


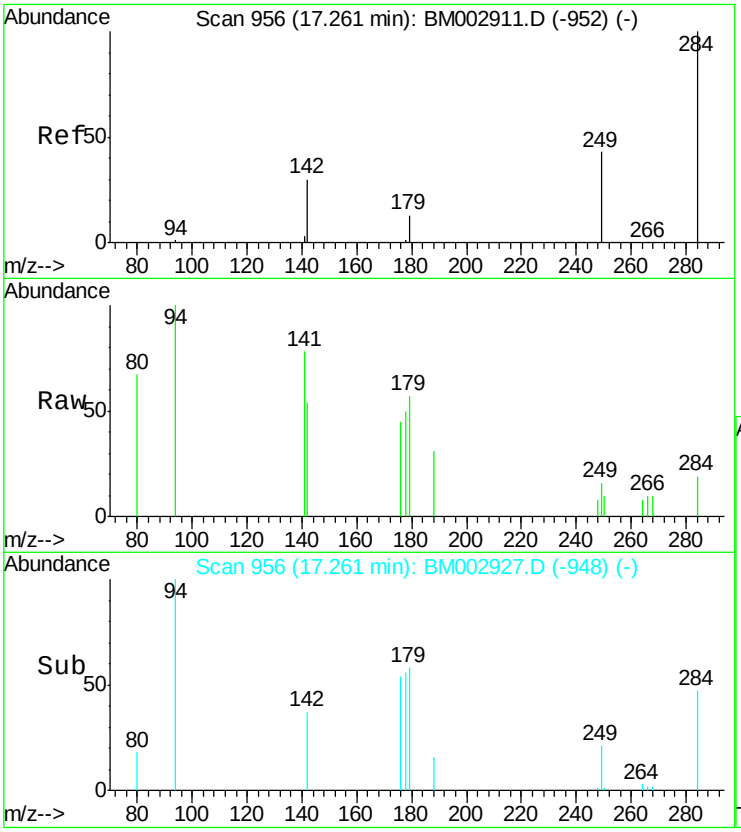


#20
4-Bromophenyl-phenylether
Concen: 0.05 ng
RT: 17.13 min Scan# 951
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:248 Resp: 947

Ion	Ratio	Lower	Upper
248	100		
250	122.4	71.4	107.2#
141	0.0	54.6	82.0#



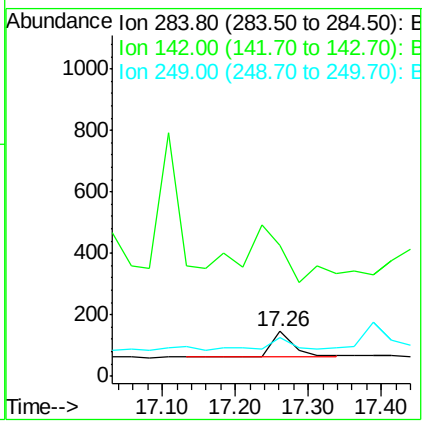


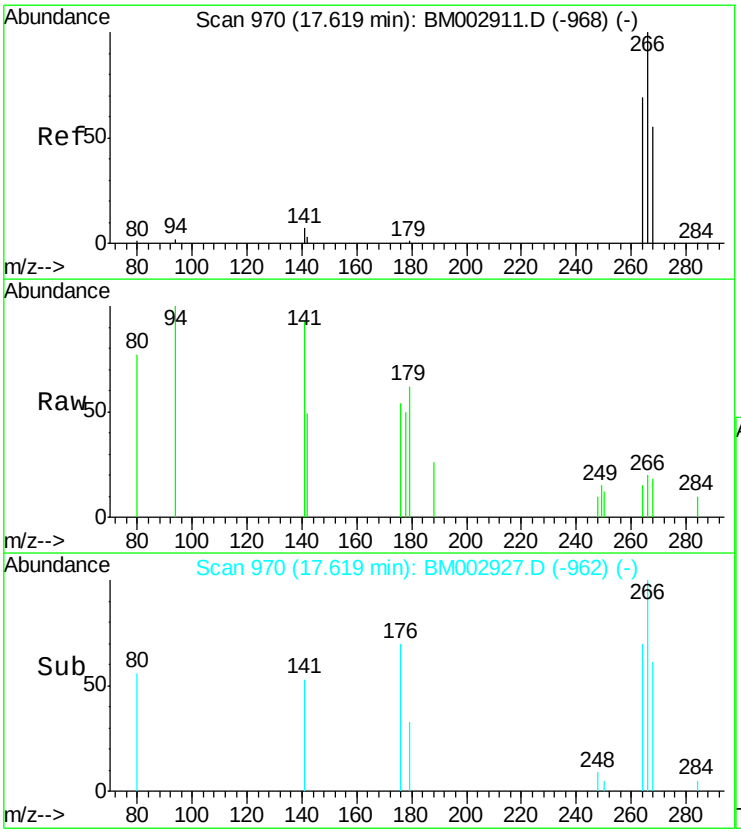
#21
Hexachlorobenzene
Concen: Below Cal
RT: 17.26 min Scan# 956
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:284 Resp: 187

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	33.7	20.7	31.1#

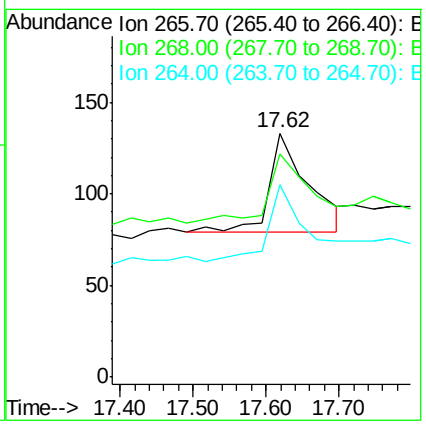


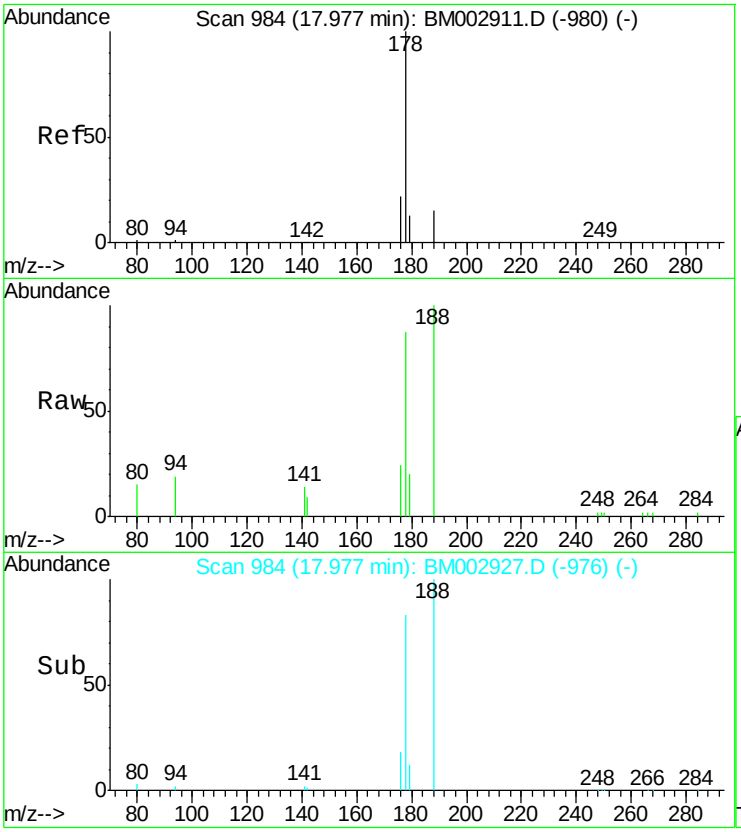


#22
Pentachlorophenol
Concen: 0.33 ng
RT: 17.62 min Scan# 970
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:266 Resp: 205

Ion	Ratio	Lower	Upper
266	100		
268	91.7	58.3	87.5#
264	78.9	54.2	81.2



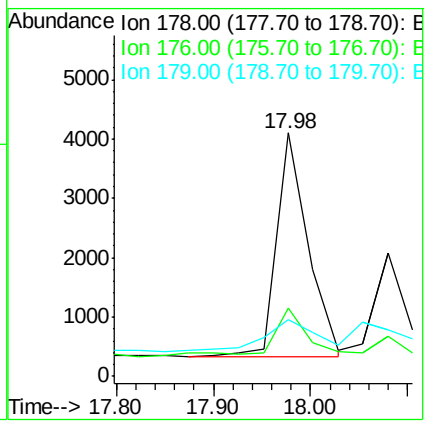


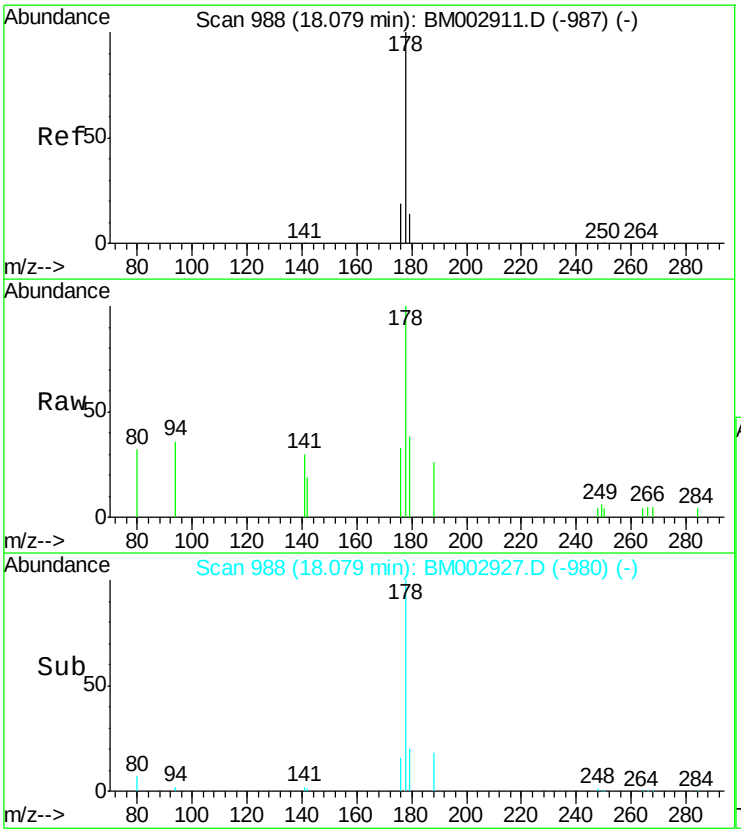
#23
Phenanthrene
Concen: 0.08 ng
RT: 17.98 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:178 Resp: 8473

Ion	Ratio	Lower	Upper
178	100		
176	25.3	14.6	21.8#
179	23.2	12.5	18.7#

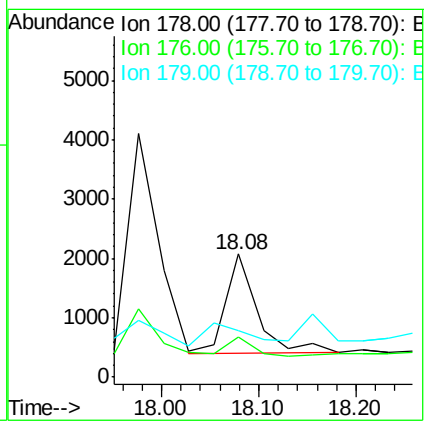


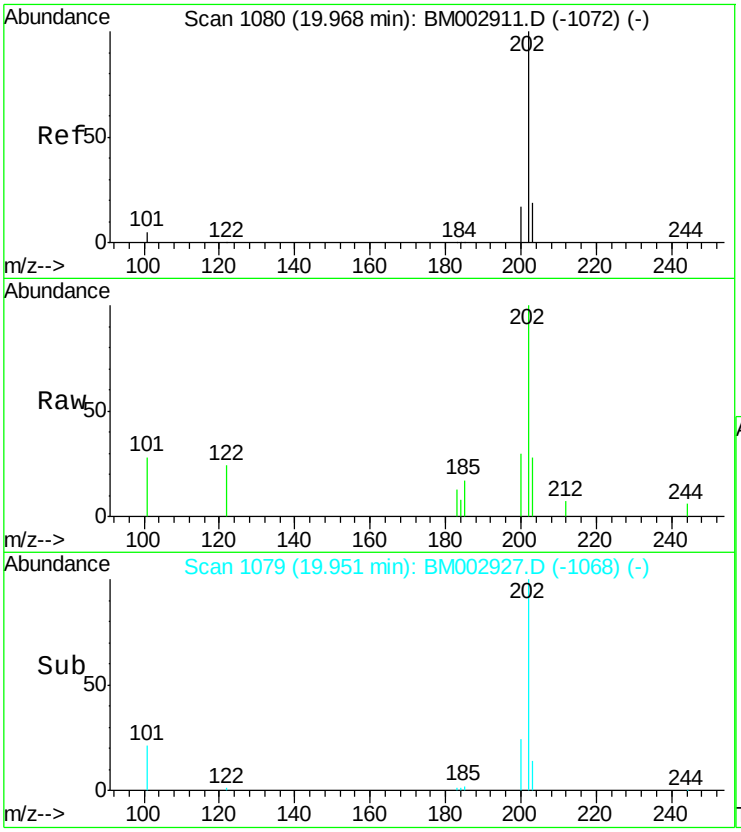


#24
Anthracene
Concen: 0.04 ng
RT: 18.08 min Scan# 988
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:178 Resp: 3739

Ion	Ratio	Lower	Upper
178	100		
176	15.6	13.9	20.9
179	0.0	12.6	18.8#



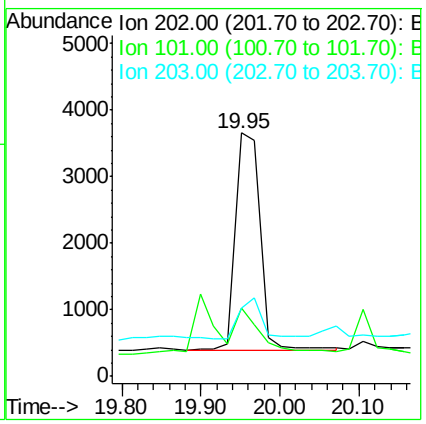


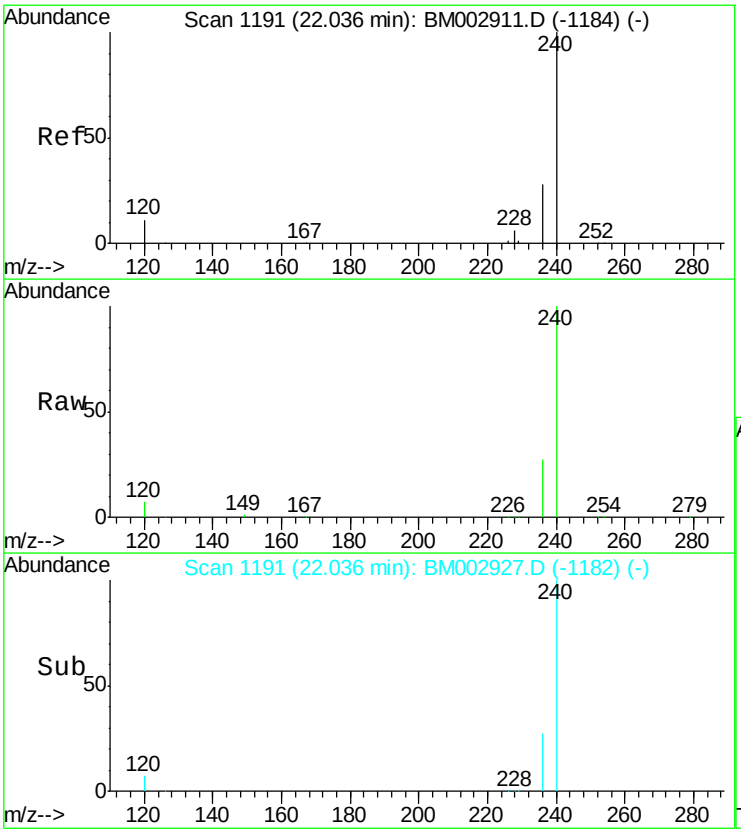
#25
Fluoranthene
Concen: 0.06 ng
RT: 19.95 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:202 Resp: 7198

Ion	Ratio	Lower	Upper
202	100		
101	19.8	11.0	16.6#
203	17.6	13.8	20.6

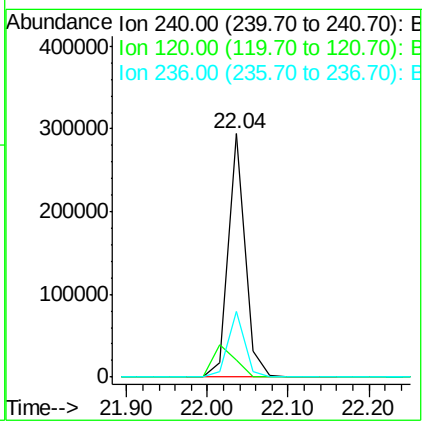


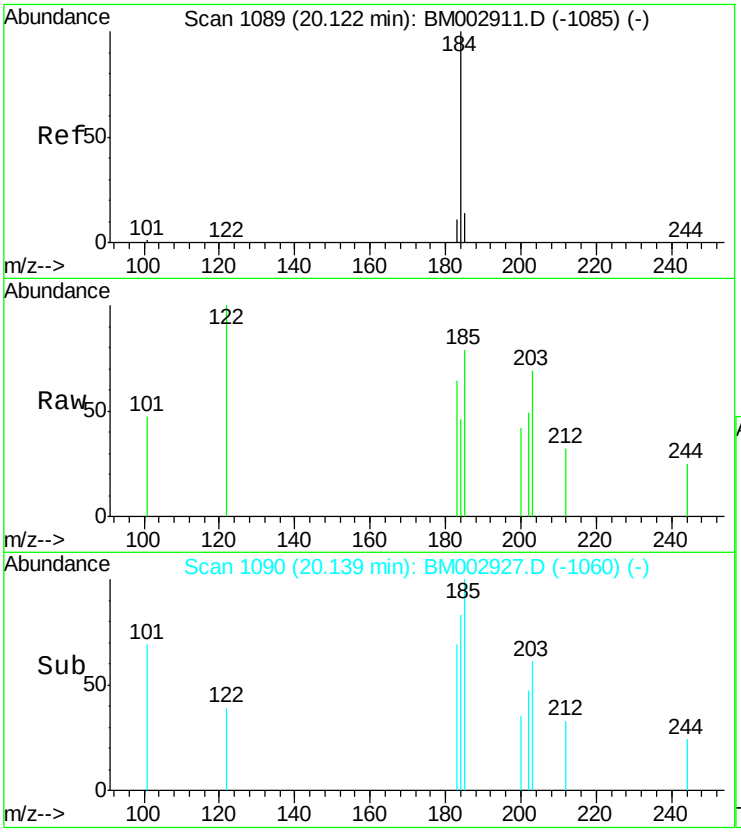


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.04 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:240 Resp: 424659

Ion	Ratio	Lower	Upper
240	100		
120	7.1	3.3	4.9#
236	27.1	19.5	29.3



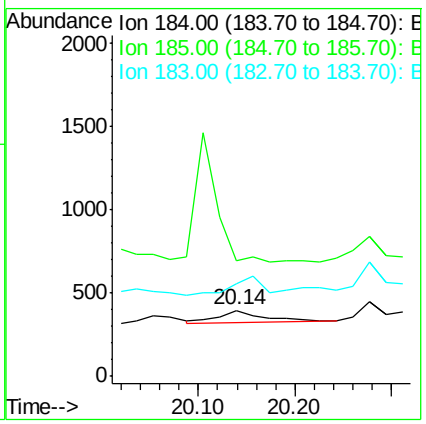


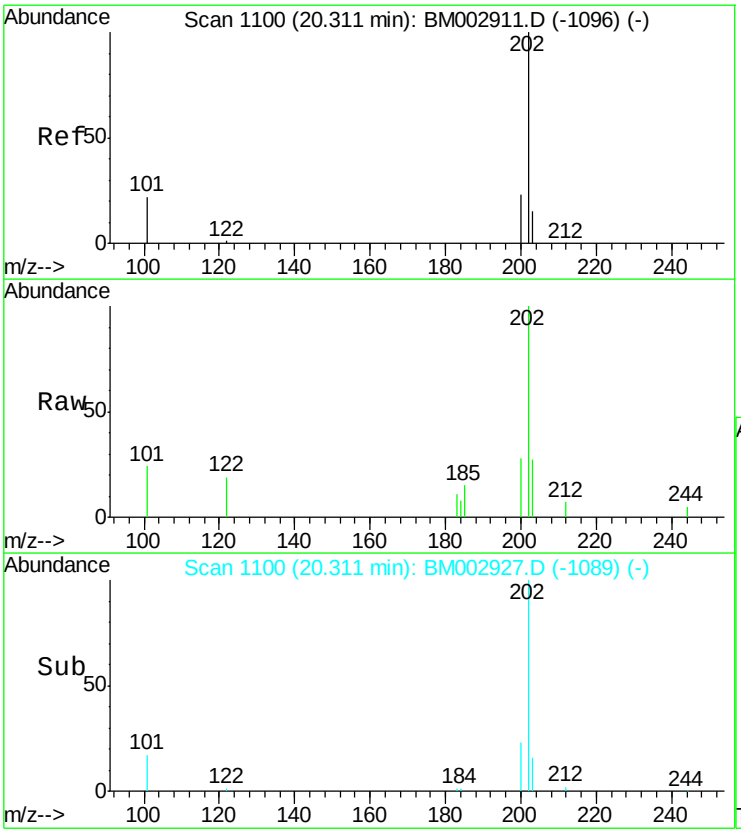
#27
Benzidine
Concen: 0.16 ng
RT: 20.14 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:184 Resp: 245

Ion	Ratio	Lower	Upper
184	100		
185	174.6	12.0	18.0#
183	139.5	8.9	13.3#

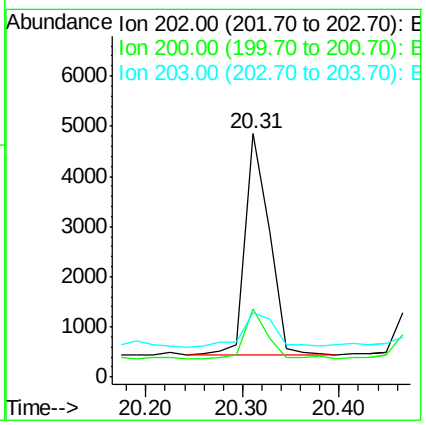


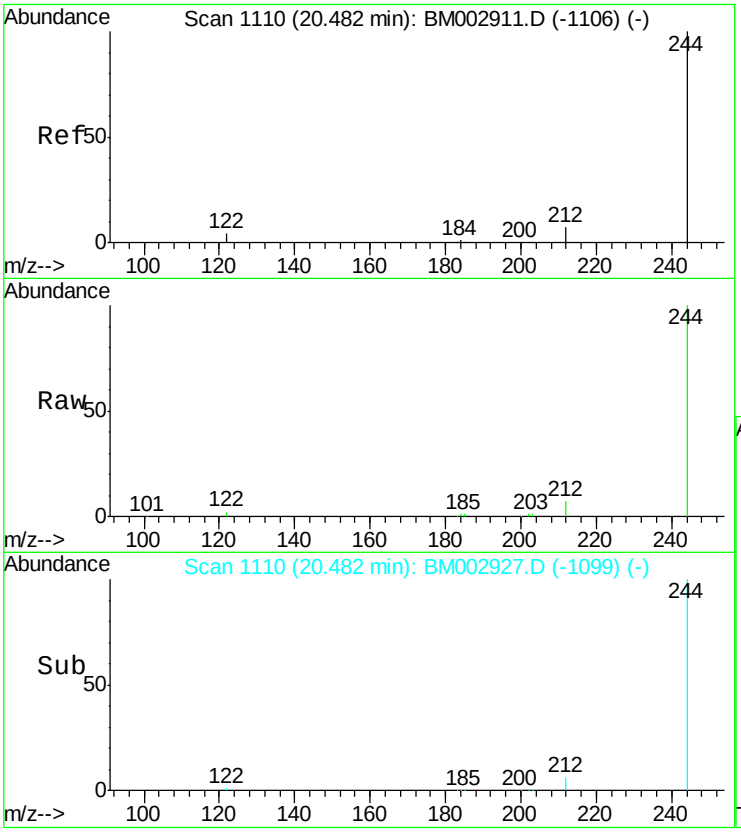


#28
Pyrene
Concen: 0.06 ng
RT: 20.31 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:202 Resp: 7630

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.4
203	20.5	13.8	20.8



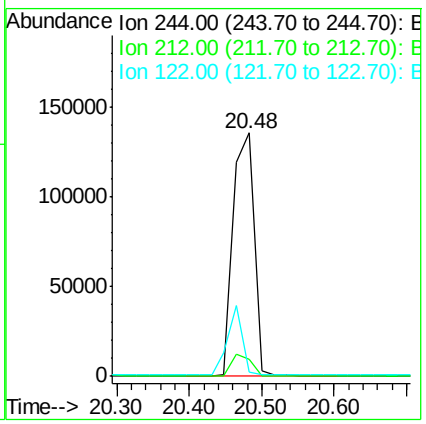


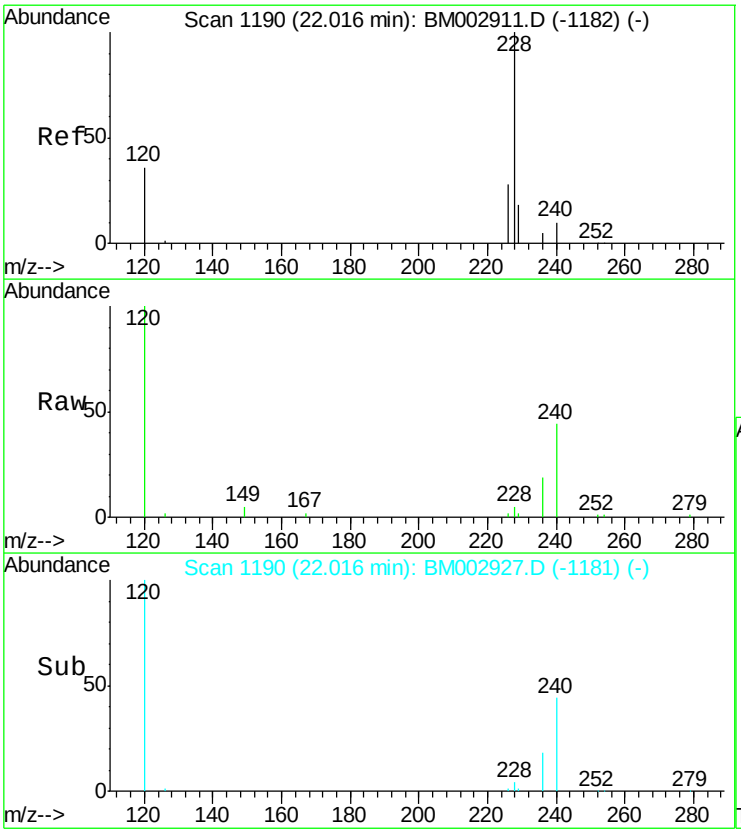
#29
Terphenyl-d14
Concen: 4.21 ng
RT: 20.48 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:244 Resp: 267521

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	1.7	2.2	3.2#

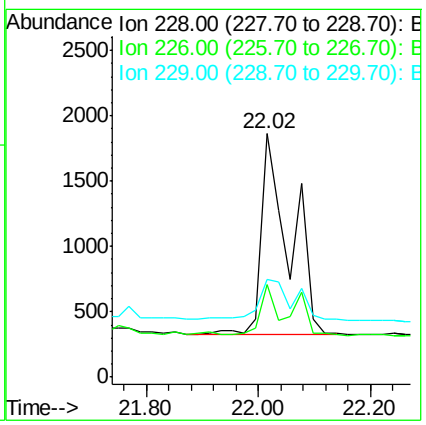


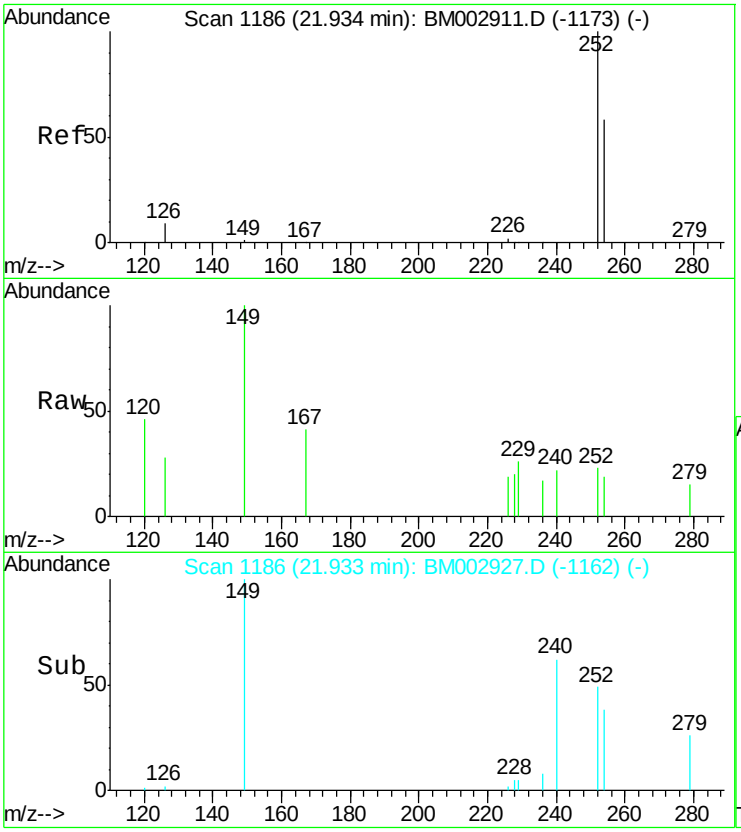


#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 22.02 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:228 Resp: 5415

Ion	Ratio	Lower	Upper
228	100		
226	38.3	19.0	28.6#
229	40.0	16.8	25.2#



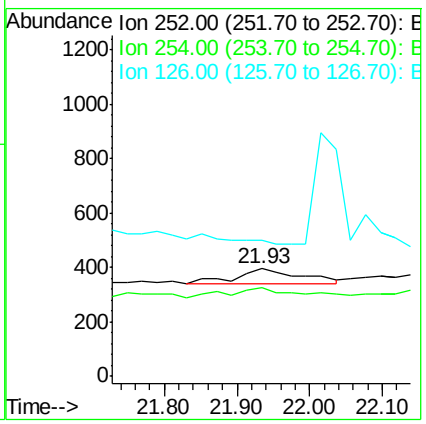


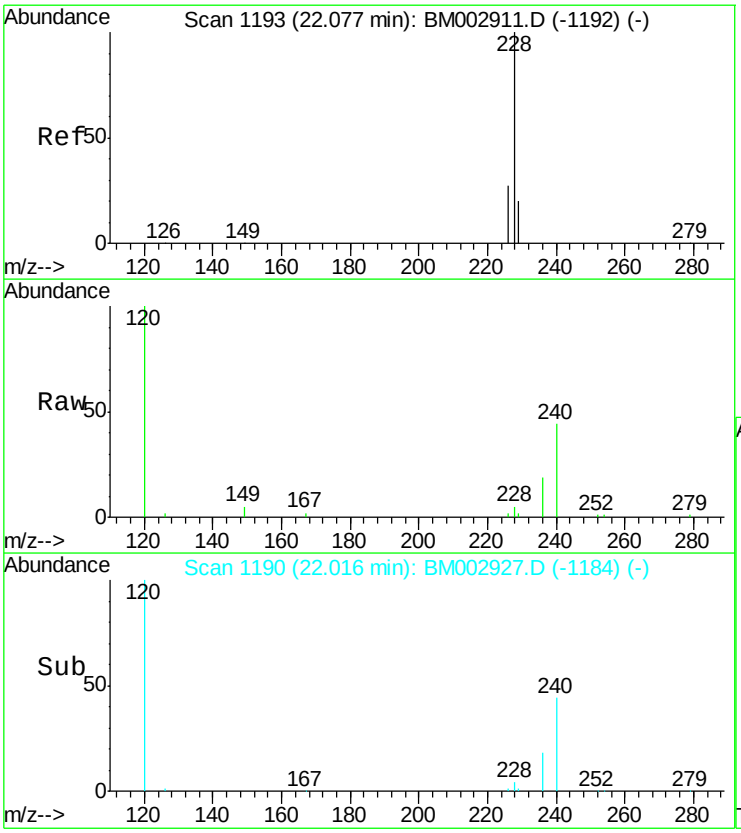
#31
3,3'-Dichlorobenzidine
Concen: 0.01 ng
RT: 21.93 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:252 Resp: 315

Ion	Ratio	Lower	Upper
252	100		
254	83.0	54.1	81.1#
126	126.3	4.1	6.1#

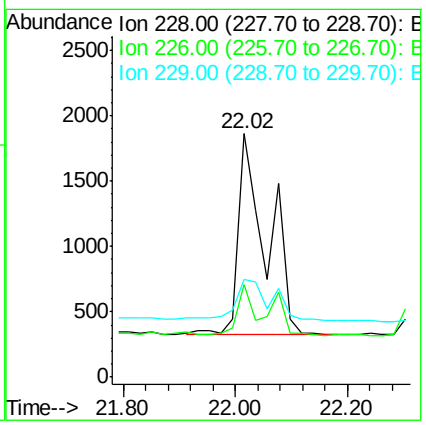


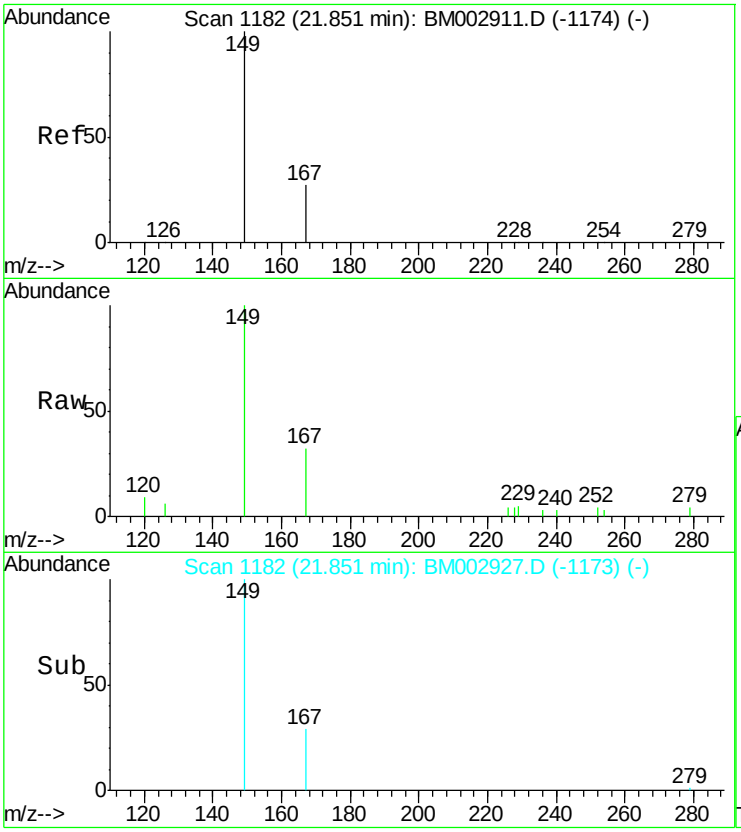


#32
Chrysene
Concen: 0.05 ng
RT: 22.02 min Scan# 1190
Delta R.T. -0.07 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:228 Resp: 5415

Ion	Ratio	Lower	Upper
228	100		
226	38.3	20.6	30.8#
229	40.0	17.4	26.2#



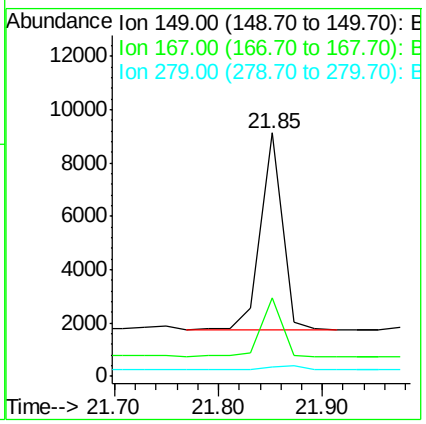


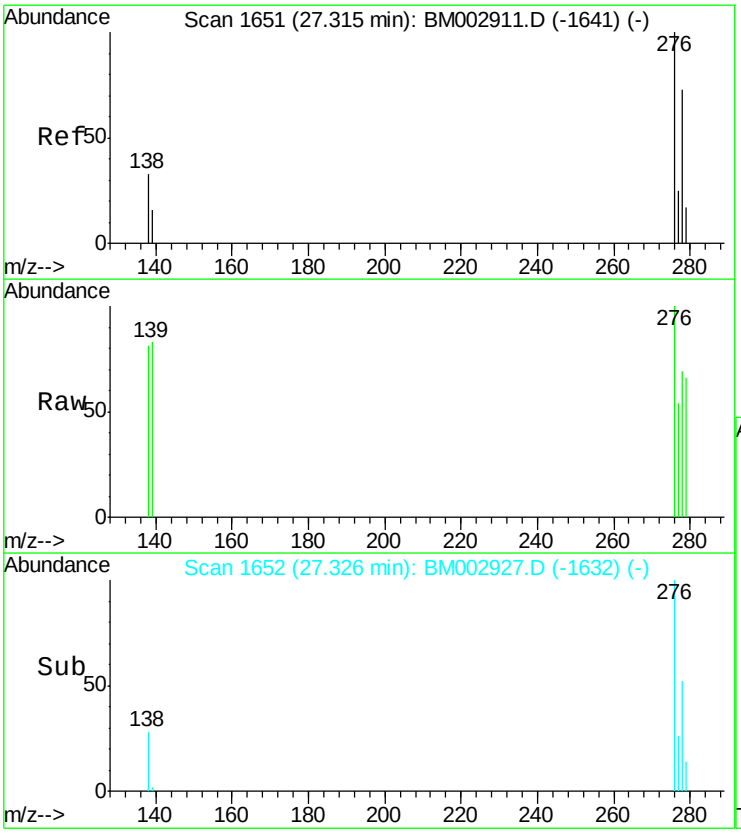
#33
Bis(2-ethylhexyl)phthalate
Concen: 0.40 ng
RT: 21.85 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:149 Resp: 10488

Ion	Ratio	Lower	Upper
149	100		
167	29.6	17.2	25.8#
279	0.0	2.2	3.4#

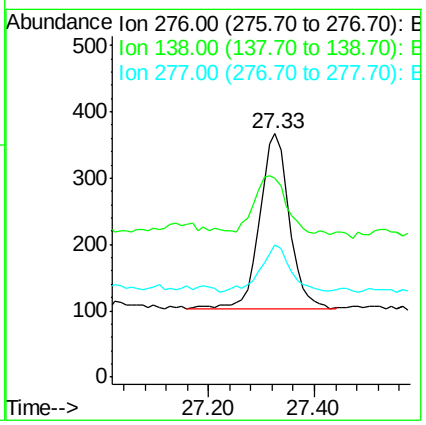


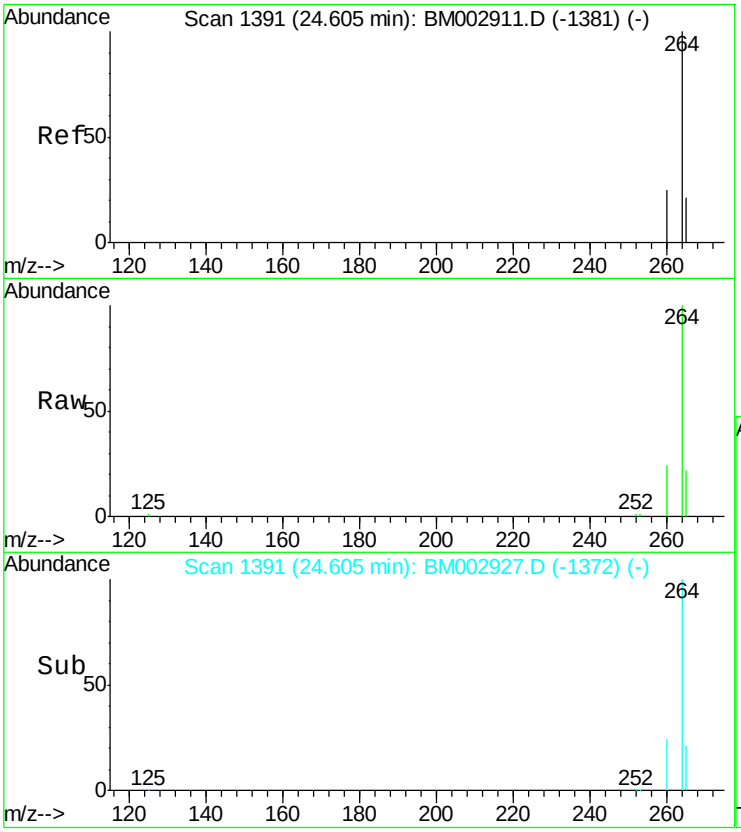


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.01 ng
RT: 27.33 min Scan# 1652
Delta R.T. 0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:276 Resp: 1021

Ion	Ratio	Lower	Upper
276	100		
138	34.4	29.0	43.6
277	27.4	19.8	29.8



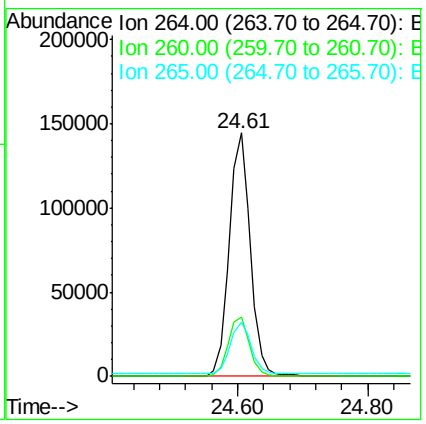


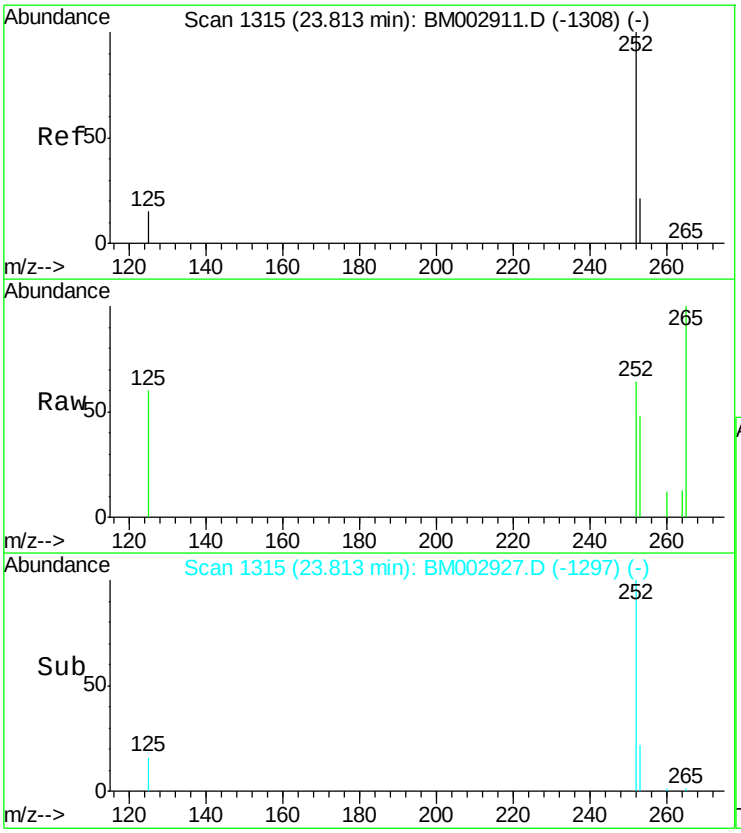
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.61 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:264 Resp: 322037

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.1	30.1
265	22.3	17.6	26.4

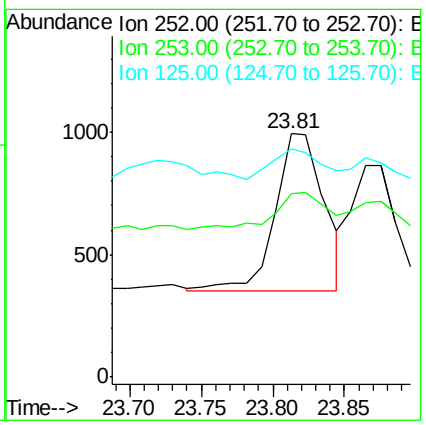


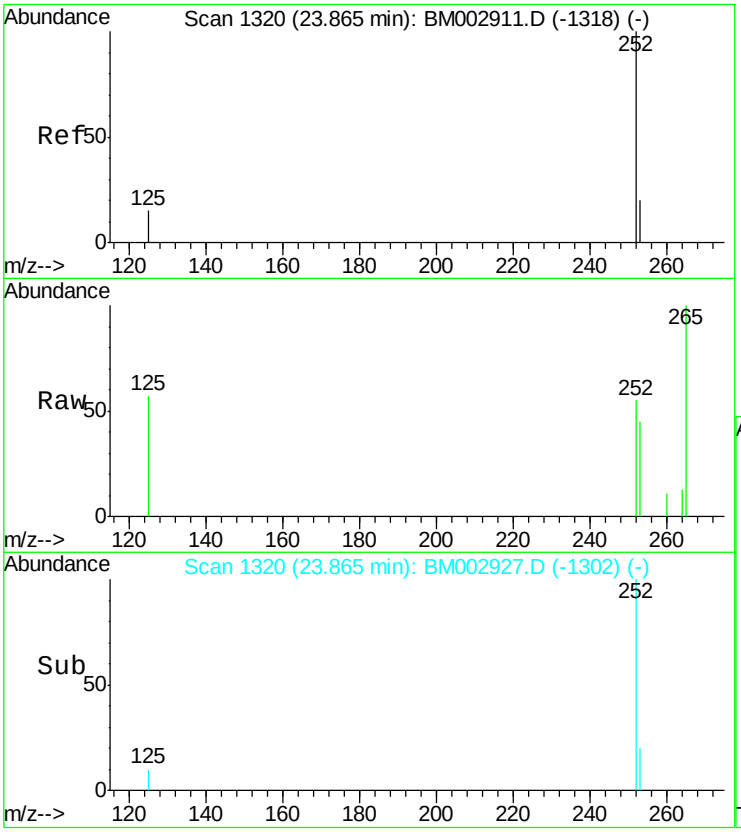


#36
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 23.81 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:252 Resp: 1547

Ion	Ratio	Lower	Upper
252	100		
253	75.2	17.5	26.3#
125	93.7	12.4	18.6#



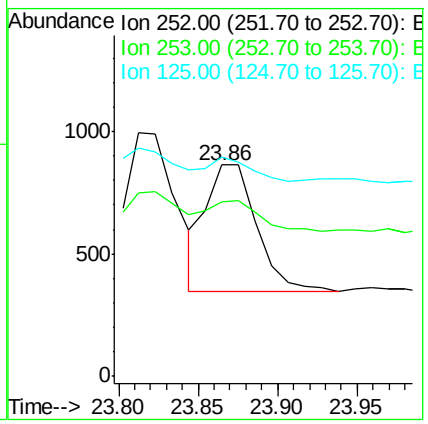


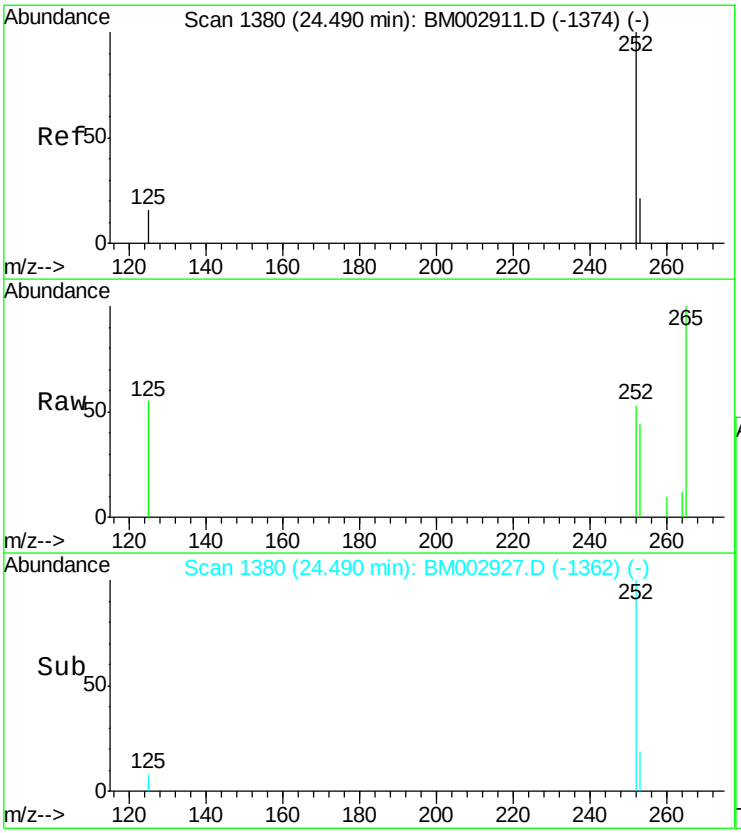
#37
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 23.86 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:252 Resp: 1132

Ion	Ratio	Lower	Upper
252	100		
253	82.6	17.9	26.9#
125	103.6	12.3	18.5#

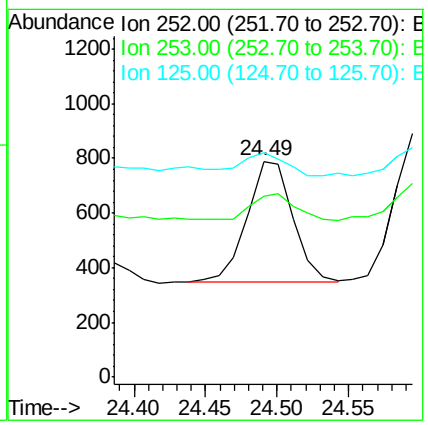


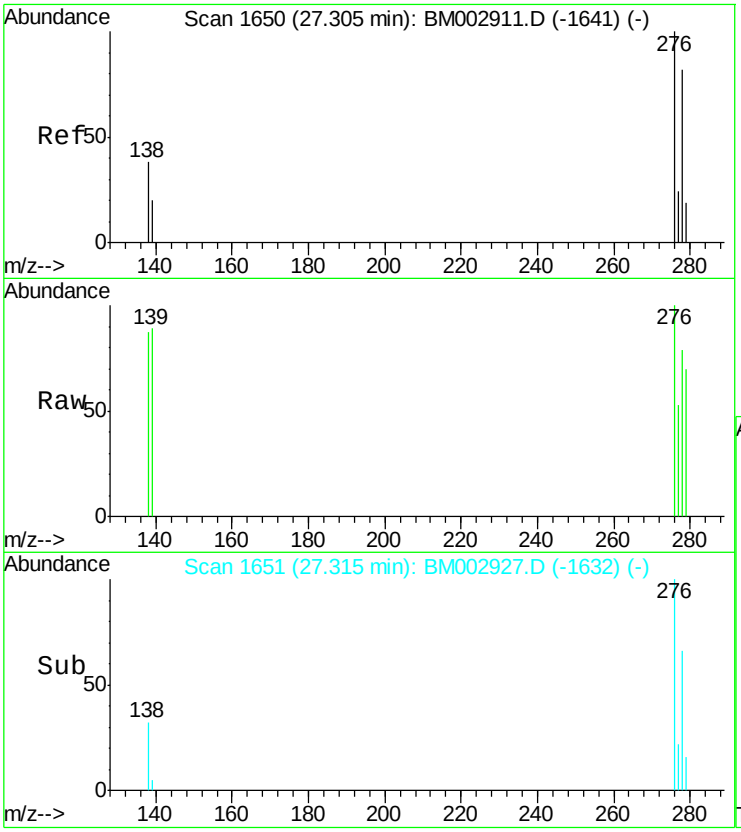


#38
Benzo(a)pyrene
Concen: 0.01 ng
RT: 24.49 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:252 Resp: 989

Ion	Ratio	Lower	Upper
252	100		
253	83.7	18.4	27.6#
125	104.1	13.3	19.9#



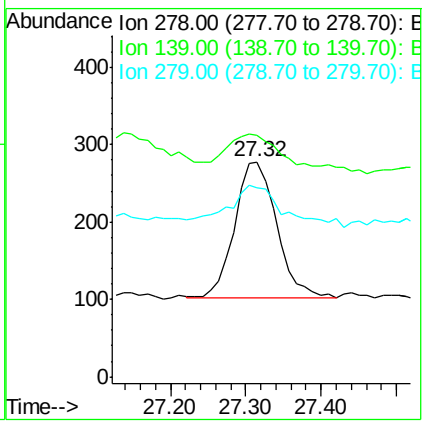


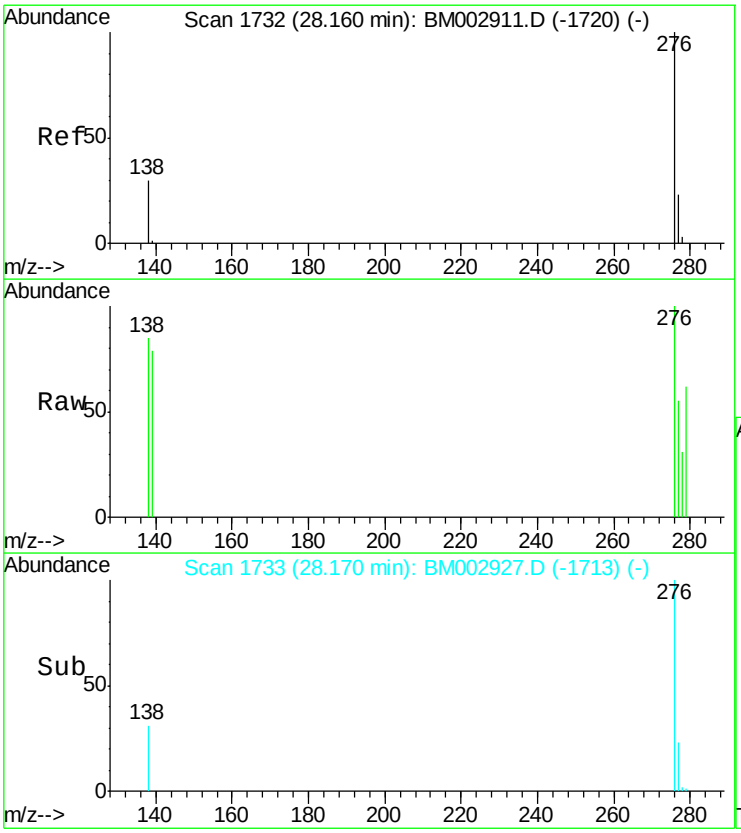
#39
Dibenzo(a,h)anthracene
Concen: 0.01 ng
RT: 27.32 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Instrument :
BNA_M
ClientSampleId :
RAV-GT-201

Tgt Ion:278 Resp: 676

Ion	Ratio	Lower	Upper
278	100		
139	112.2	19.8	29.6#
279	88.1	19.1	28.7#





#40
Benzo(g,h,i)perylene
Concen: 0.01 ng
RT: 28.17 min Scan# 1733
Delta R.T. 0.01 min
Lab File: BM002927.D
Acq: 15 Oct 2015 22:58

Tgt Ion:276 Resp: 906

Ion	Ratio	Lower	Upper
276	100		
277	55.2	19.4	29.0#
138	84.5	24.4	36.6#