Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002932.D
Acq On : 16 Oct 2015 13:41
Operator : UM/IZ
Sample : PB86139BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB86139BS

Quant Time: Oct 16 23:00:53 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	8.64	152	96314	5.00	ng		-0.02
7) Naphthalene-d8	11.49	136	413268	5.00	ng		0.00
13) Acenaphthene-d10	15.23	164	227089	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	549728	5.00	ng		0.00
26) Chrysene-d12	22.03	240	438450	5.00	ng		0.00
35) Perylene-d12	24.60	264	360273	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.12	112	120958	6.72	ng		-0.03
5) Phenol-d6	7.77	99	165084	7.18	ng		-0.02
8) Nitrobenzene-d5	9.85	82	69309	3.50	ng		-0.01
14) 2,4,6-Tribromophenol	16.71	330	53272	6.03	ng		0.00
15) 2-Fluorobiphenyl	13.87	172	238438	3.28	ng		0.00
29) Terphenyl-d14	20.48	244	227271	3.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.77	88	25544	2.91	ng		99
3) n-Nitrosodimethylamine	4.14	42	23855	3.49	ng	#	96
6) bis(2-Chloroethyl)ether	8.04	93	76142	3.47	ng		97
9) Nitrobenzene	9.89	77	73627	3.51	ng		99
10) Naphthalene	11.54	128	285869	3.11	ng		97
11) Hexachlorobutadiene	11.80	225	45117	3.05	ng		100
12) 2-Methylnaphthalene	13.11	142	204124	3.30	ng		98
16) Acenaphthylene	14.96	152	350144	3.53	ng		100
17) Acenaphthene	15.29	154	206670	3.04	ng	#	100
18) Fluorene	16.27	166	272777	3.36	ng		100
20) 4-Bromophenyl-phenylether	17.13	248	69893	3.07	ng	#	52
21) Hexachlorobenzene	17.26	284	73180	3.47	ng	#	74
22) Pentachlorophenol	17.61	266	30582	11.88	ng		91
23) Phenanthrene	18.07	178	428703	3.35	ng		99
24) Anthracene	18.07	178	440757	3.61	ng		98
25) Fluoranthene	19.96	202	460921	3.25	ng		99
27) Benzidine	20.12	184	442858	6.85	ng		98
28) Pyrene	20.32	202	486121	3.76	ng		99
30) Benzo(a)anthracene	22.01	228	464918	3.67	ng		92
31) 3,3'-Dichlorobenzidine	21.93	252	164142	3.83	ng	#	91
32) Chrysene	22.07	228	385534	3.25	ng		94
33) Bis(2-ethylhexyl)phthalate	21.85	149	335174	3.52	ng	#	91
34) Indeno(1,2,3-cd)pyrene	27.30	276	359178	2.95	ng		97
36) Benzo(b)fluoranthene	23.81	252	376436	3.64	ng		99
37) Benzo(k)fluoranthene	23.86	252	380483	3.76	ng		98
38) Benzo(a)pyrene	24.49	252	349017	3.82	ng		98
39) Dibenzo(a,h)anthracene	27.29	278	291523	3.33	ng		99
40) Benzo(g,h,i)perylene	28.15	276	294722	3.22	ng		98

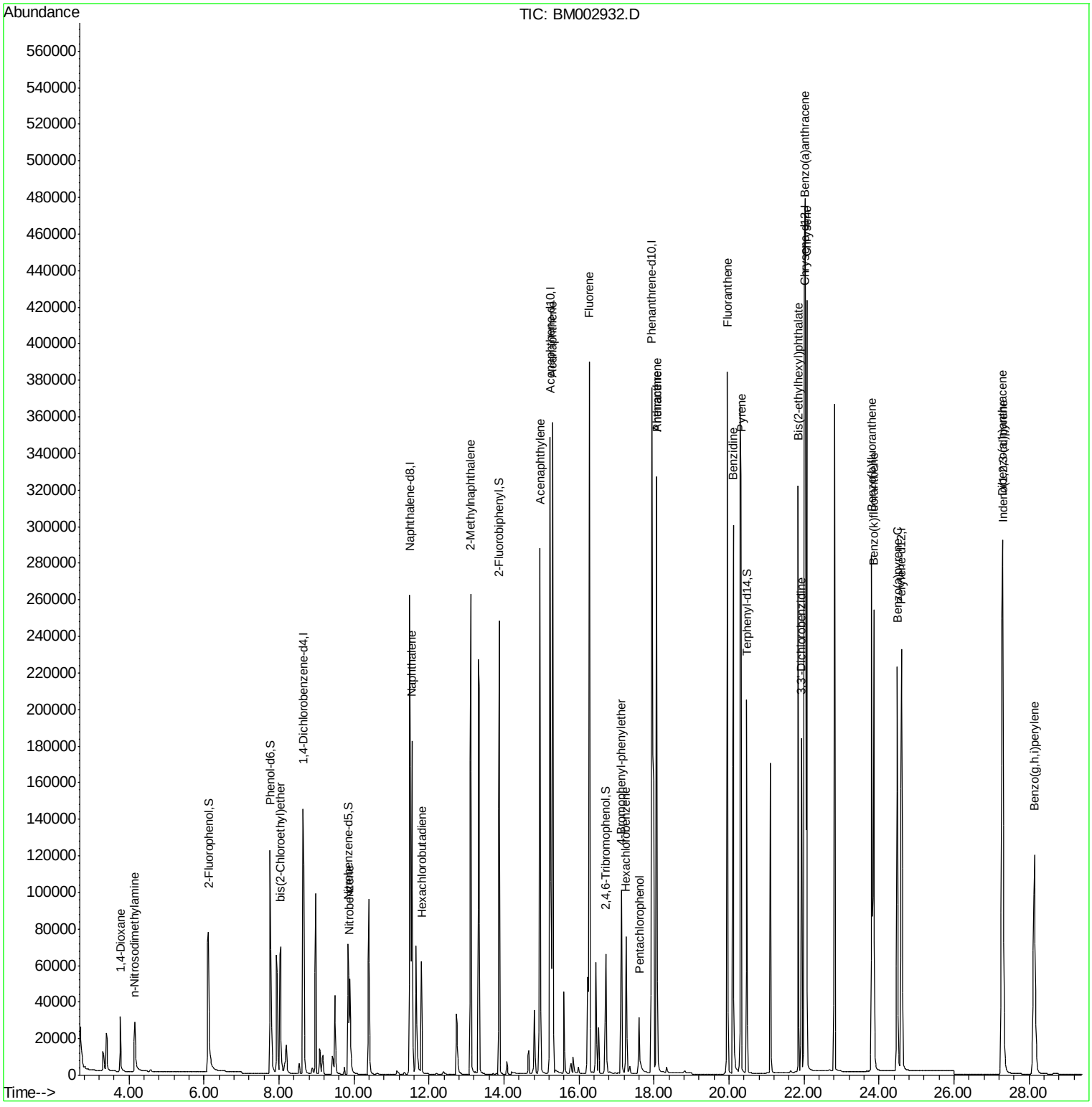
(#) = qualifier out of range (m) = manual integration (+) = signals summed

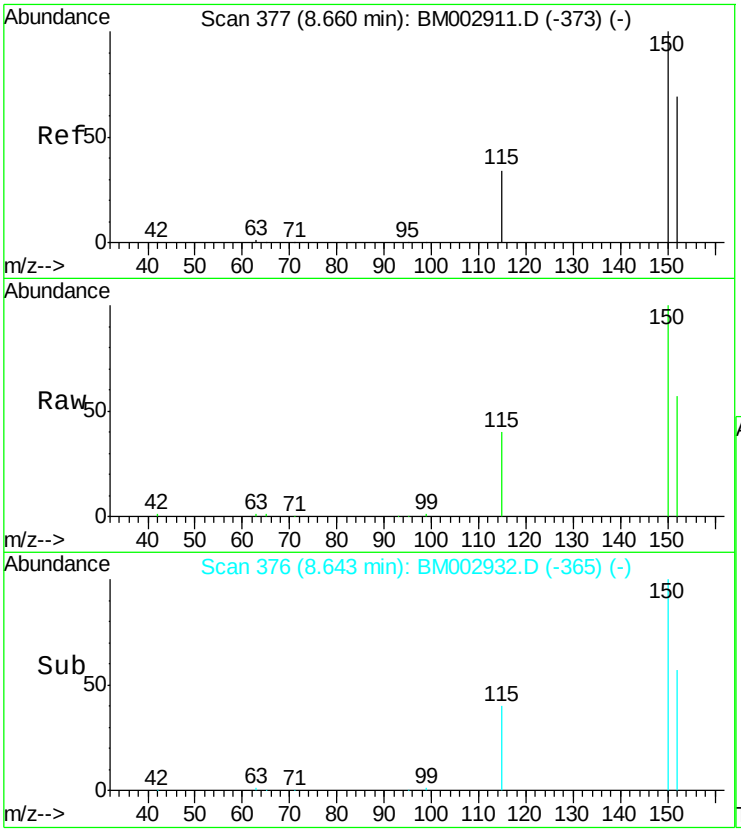
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\
Data File : BM002932.D
Acq On : 16 Oct 2015 13:41
Operator : UM/IZ
Sample : PB86139BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Quant Time: Oct 16 23:00:53 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



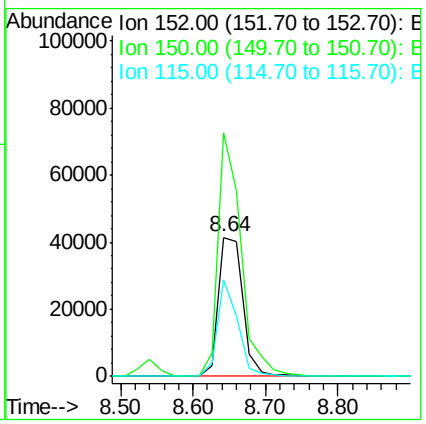


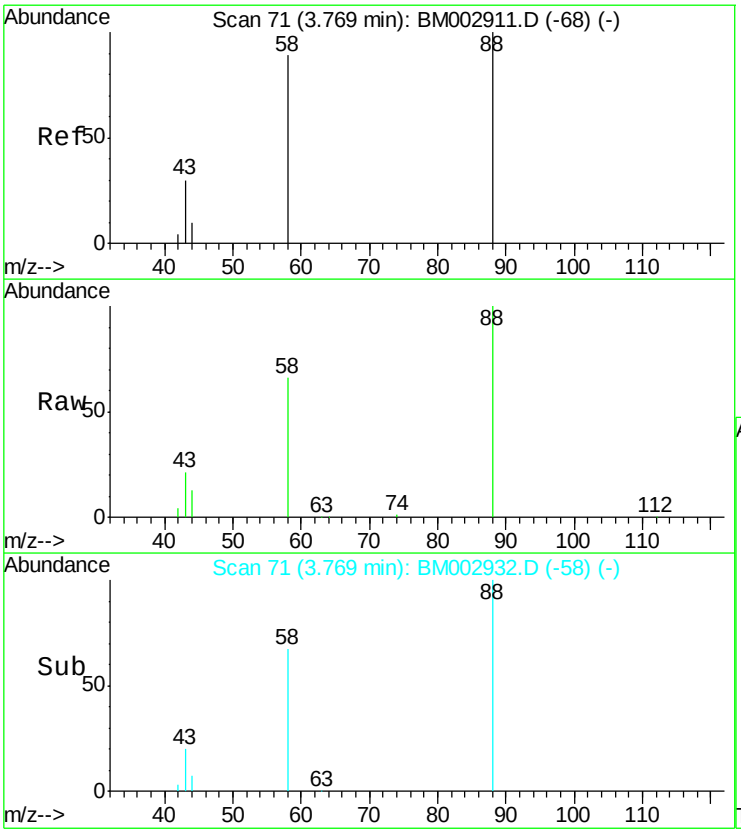
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.64 min Scan# 376
Delta R.T. -0.02 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:152 Resp: 96314

Ion	Ratio	Lower	Upper
152	100		
150	174.8	113.0	169.6#
115	69.6	37.9	56.9#

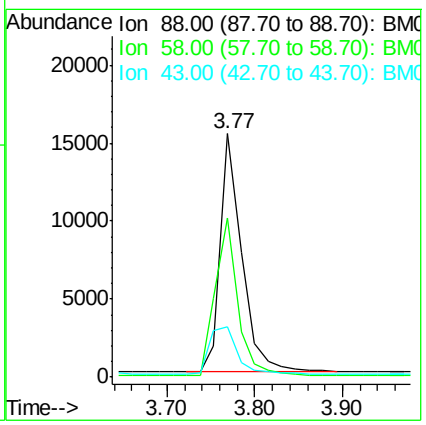


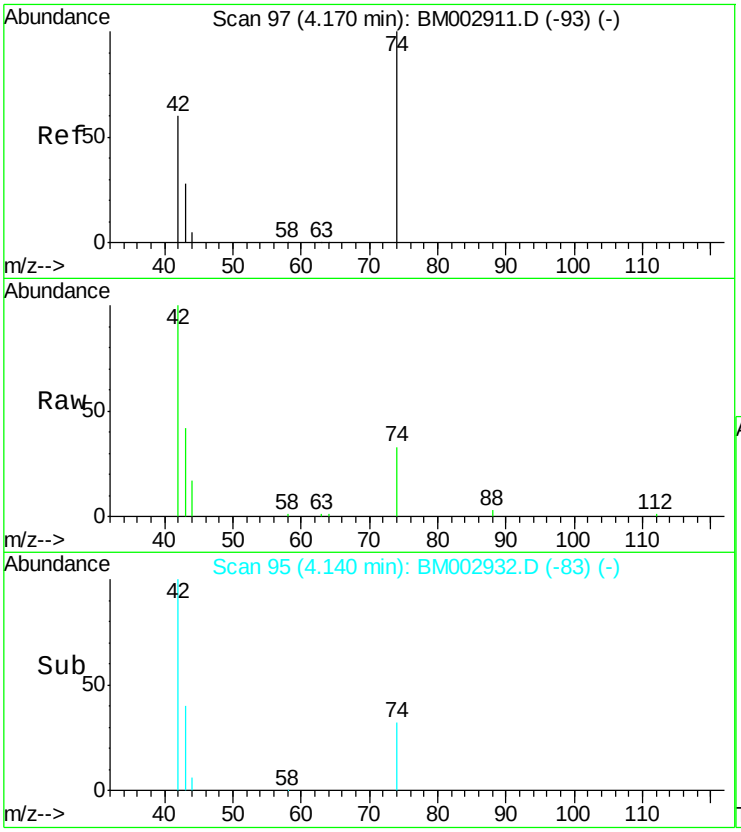


#2
1,4-Dioxane
Concen: 2.91 ng
RT: 3.77 min Scan# 71
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion: 88 Resp: 25544

Ion	Ratio	Lower	Upper
88	100		
58	71.0	56.7	85.1
43	25.3	22.0	33.0



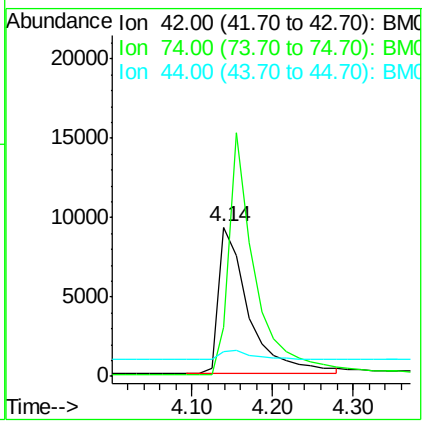


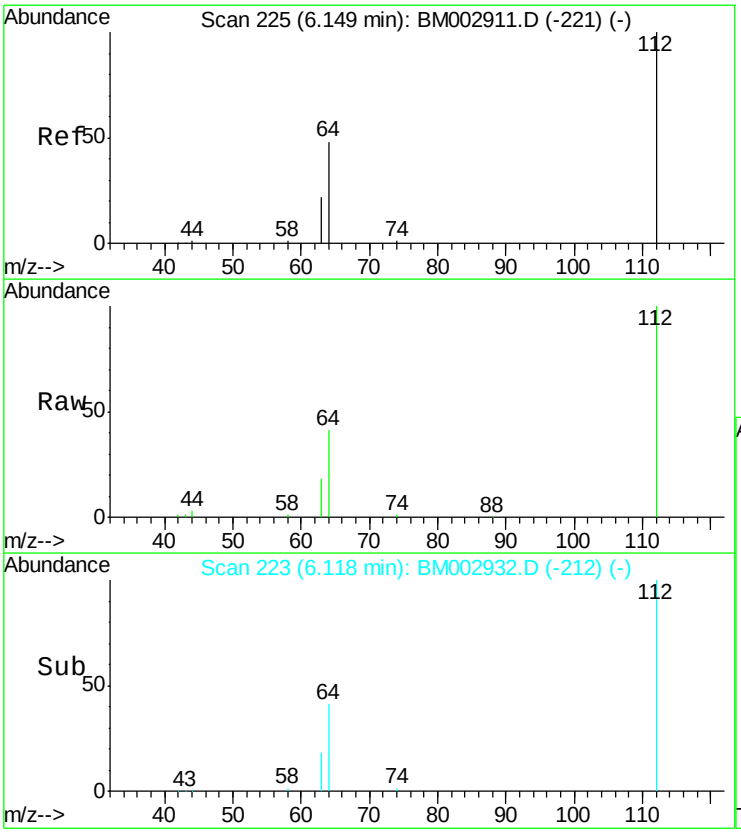
#3
n-Nitrosodimethylamine
Concen: 3.49 ng
RT: 4.14 min Scan# 95
Delta R.T. -0.02 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion: 42 Resp: 23855

Ion	Ratio	Lower	Upper
42	100		
74	145.2	119.7	179.5
44	7.9	9.8	14.6#

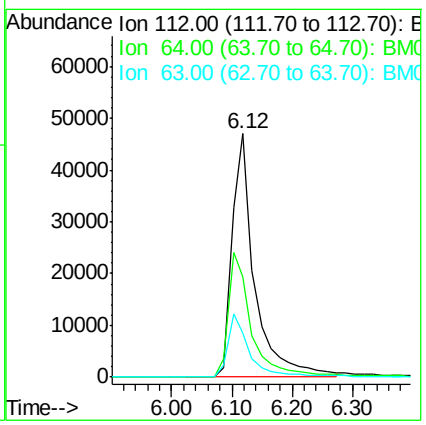


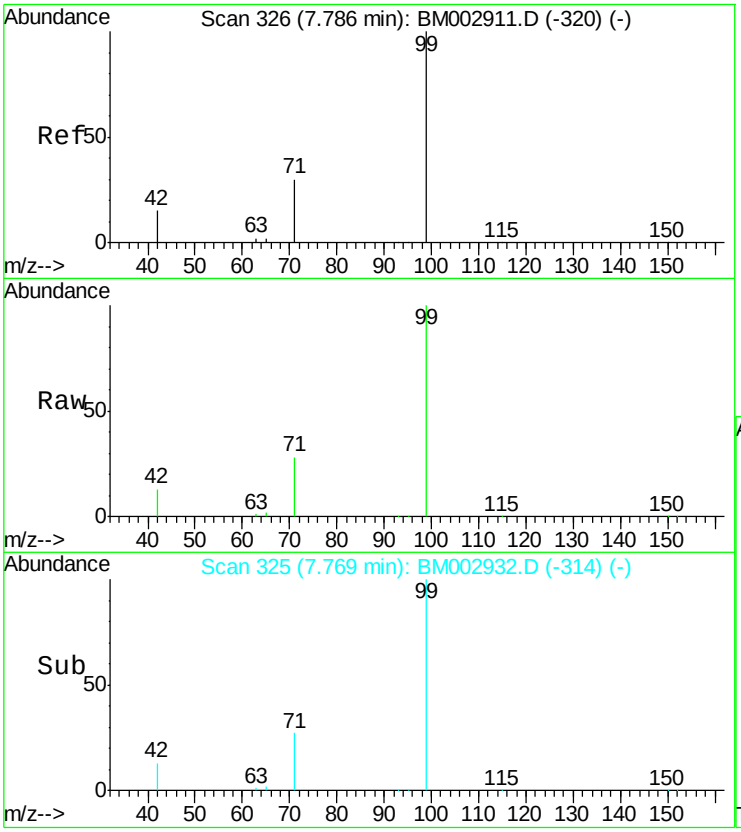


#4
2-Fluorophenol
Concen: 6.72 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:112 Resp: 120958

Ion	Ratio	Lower	Upper
112	100		
64	51.7	42.0	63.0
63	24.5	20.0	30.0



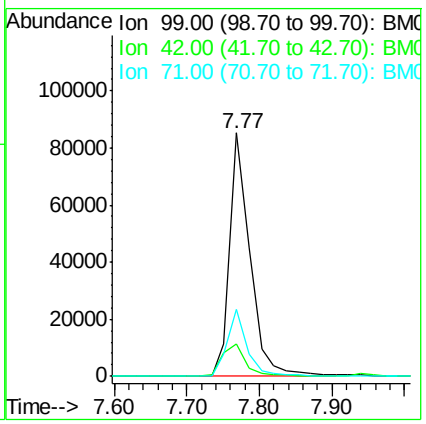


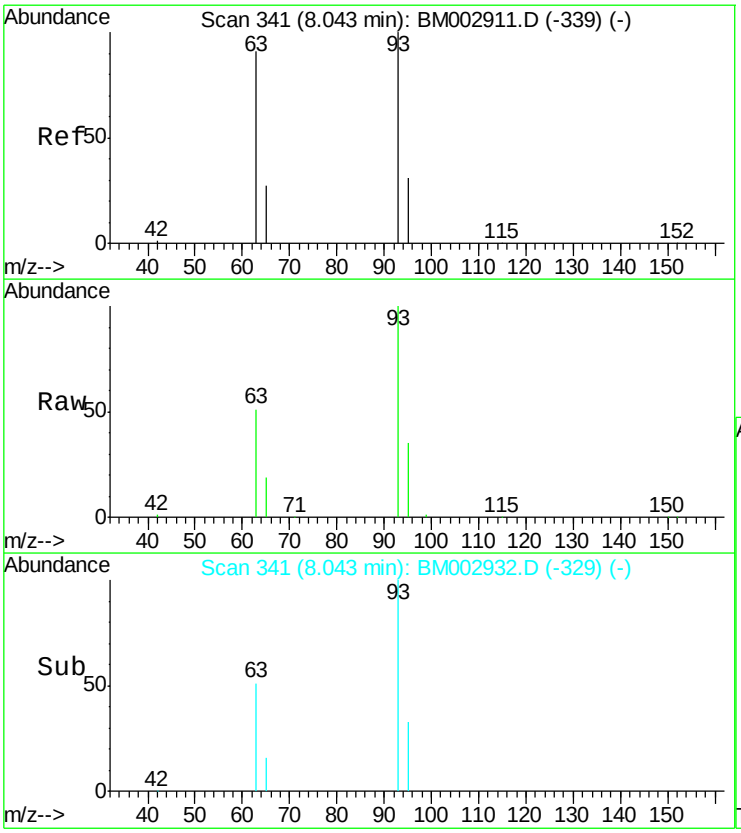
#5
Phenol-d6
Concen: 7.18 ng
RT: 7.77 min Scan# 325
Delta R.T. -0.02 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion: 99 Resp: 165084

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.4	18.6
71	26.5	21.4	32.0

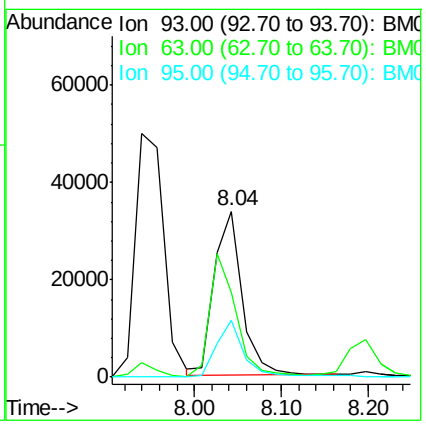


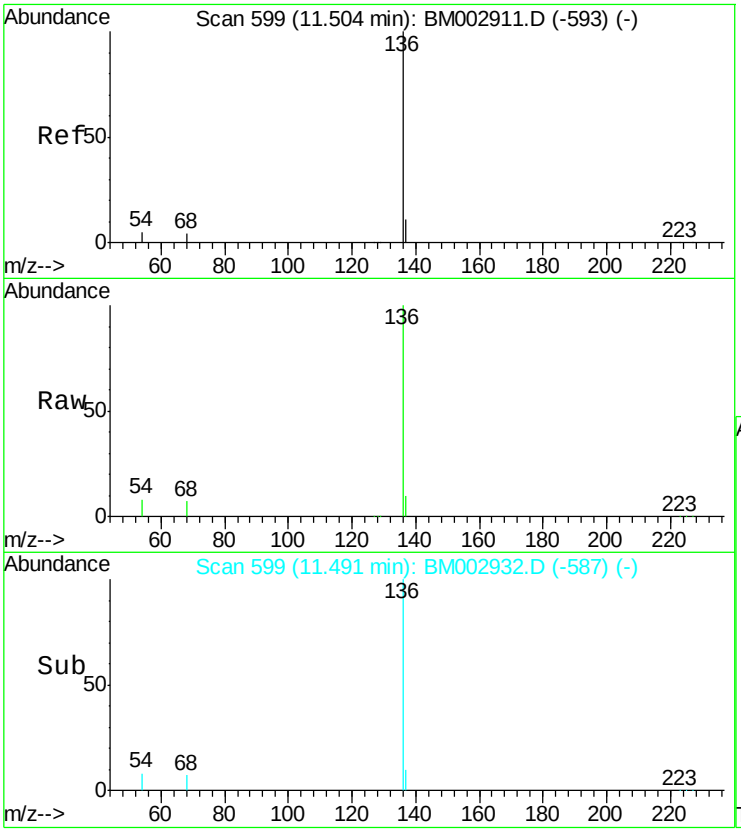


#6
bis(2-Chloroethyl)ether
Concen: 3.47 ng
RT: 8.04 min Scan# 341
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion: 93 Resp: 76142

Ion	Ratio	Lower	Upper
93	100		
63	69.6	52.9	79.3
95	32.1	25.2	37.8



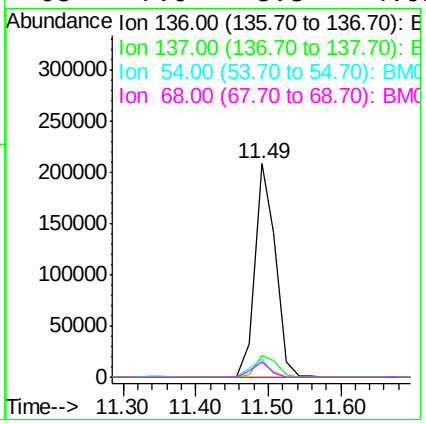


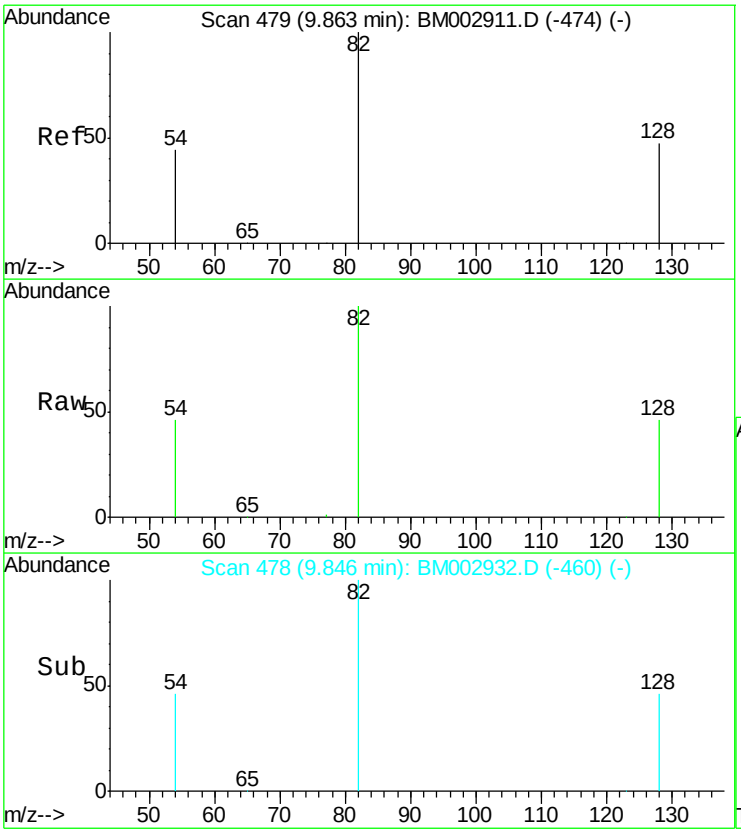
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.49 min Scan# 599
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:136 Resp: 413268

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.1	13.7
54	8.3	3.5	5.3#
68	7.0	3.3	4.9#

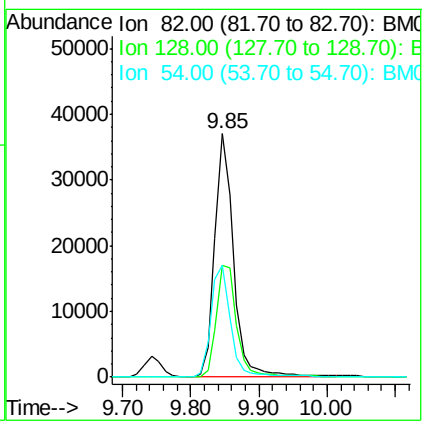


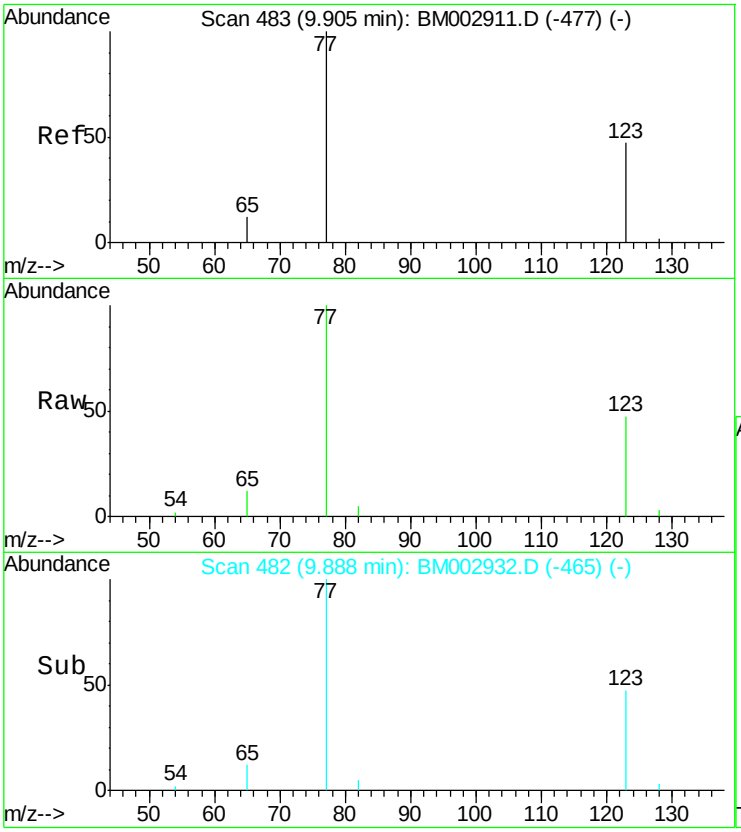


#8
Nitrobenzene-d5
Concen: 3.50 ng
RT: 9.85 min Scan# 478
Delta R.T. -0.01 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion: 82 Resp: 69309

Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.1	51.1
54	45.9	42.6	63.8



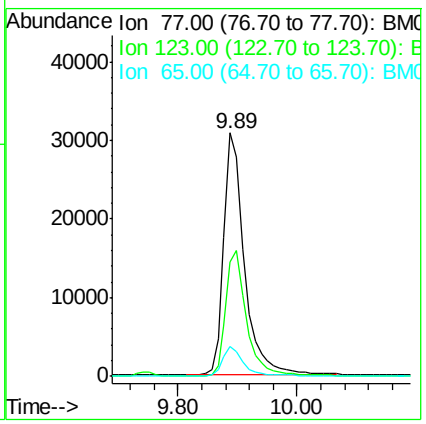


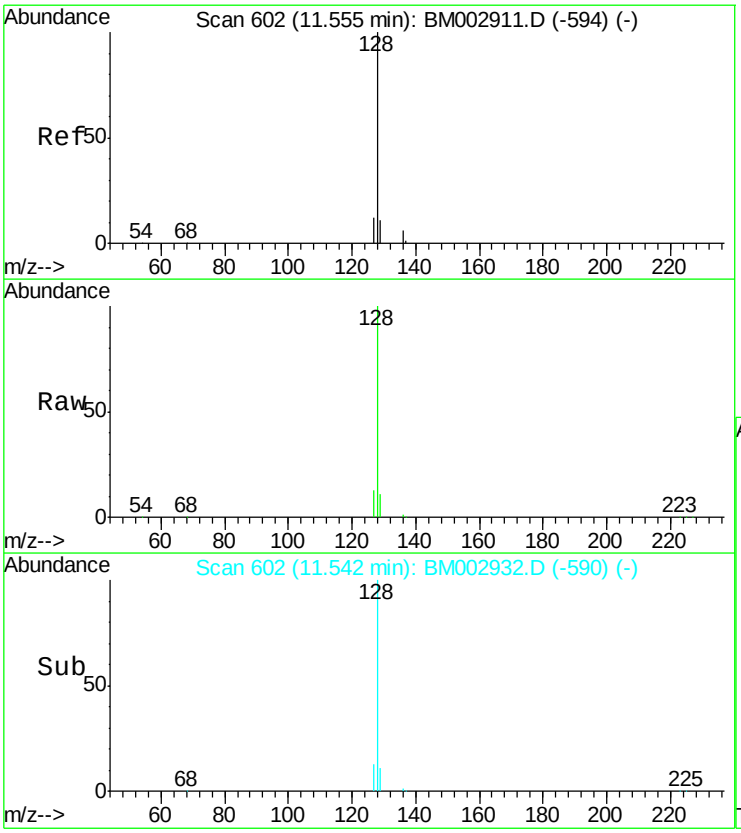
#9
Nitrobenzene
Concen: 3.51 ng
RT: 9.89 min Scan# 482
Delta R.T. -0.02 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion: 77 Resp: 73627

Ion	Ratio	Lower	Upper
77	100		
123	52.3	41.0	61.4
65	12.1	9.7	14.5

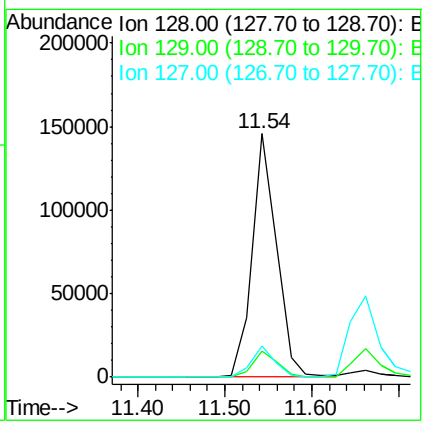


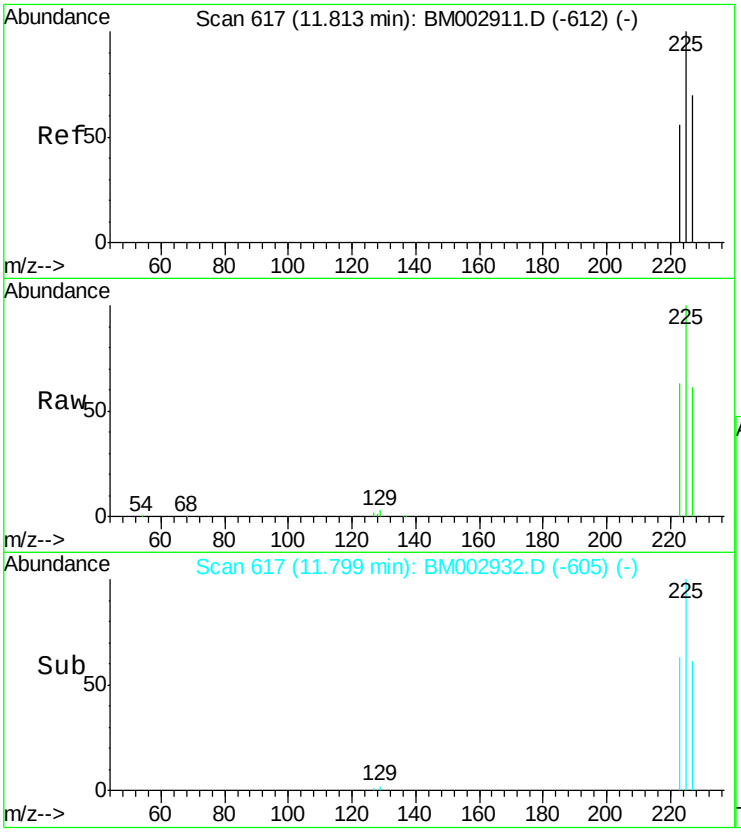


#10
Naphthalene
Concen: 3.11 ng
RT: 11.54 min Scan# 602
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:128 Resp: 285869

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.2
127	13.0	9.6	14.4



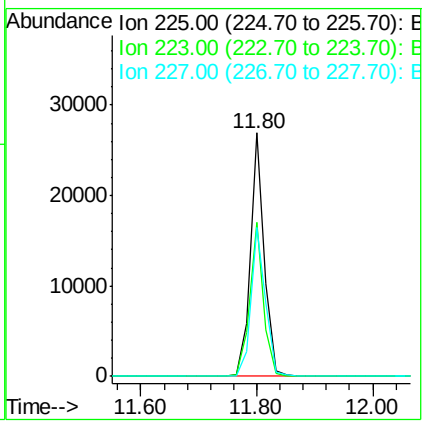


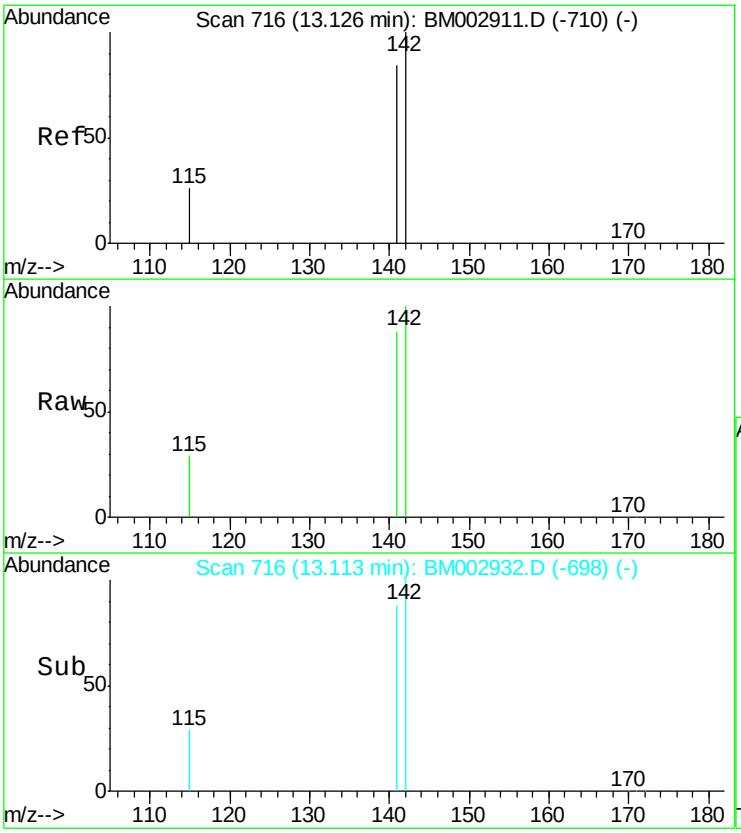
#11
Hexachlorobutadiene
Concen: 3.05 ng
RT: 11.80 min Scan# 617
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:225 Resp: 45117

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.1	75.1
227	63.7	51.2	76.8

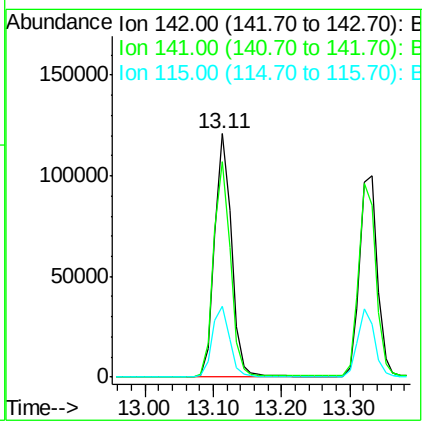


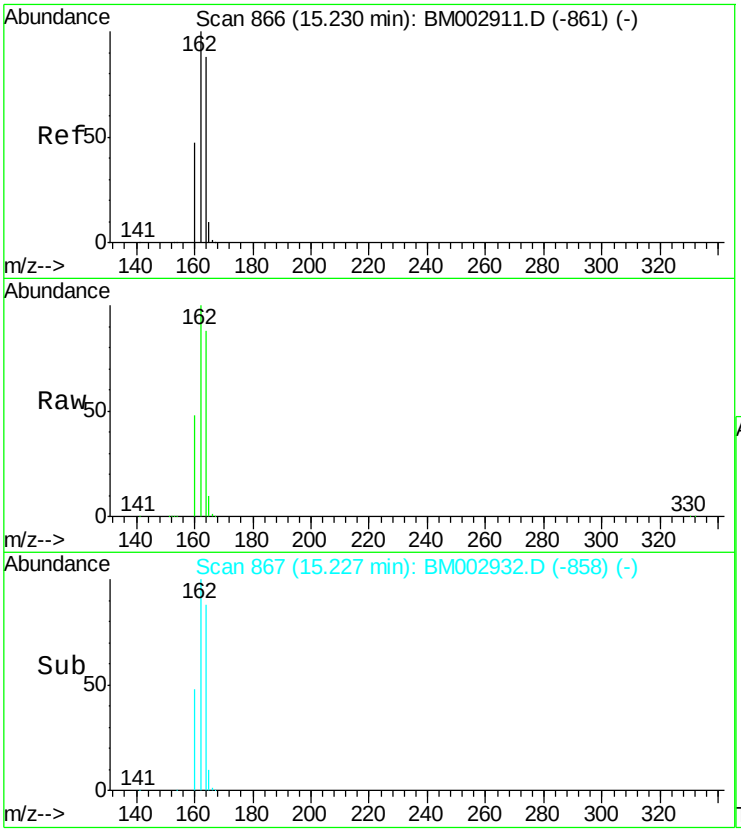


#12
2-Methylnaphthalene
Concen: 3.30 ng
RT: 13.11 min Scan# 716
Delta R.T. -0.01 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:142 Resp: 204124

Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.4	104.0
115	29.1	22.7	34.1



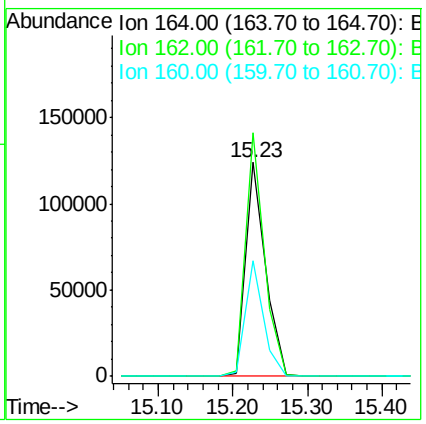


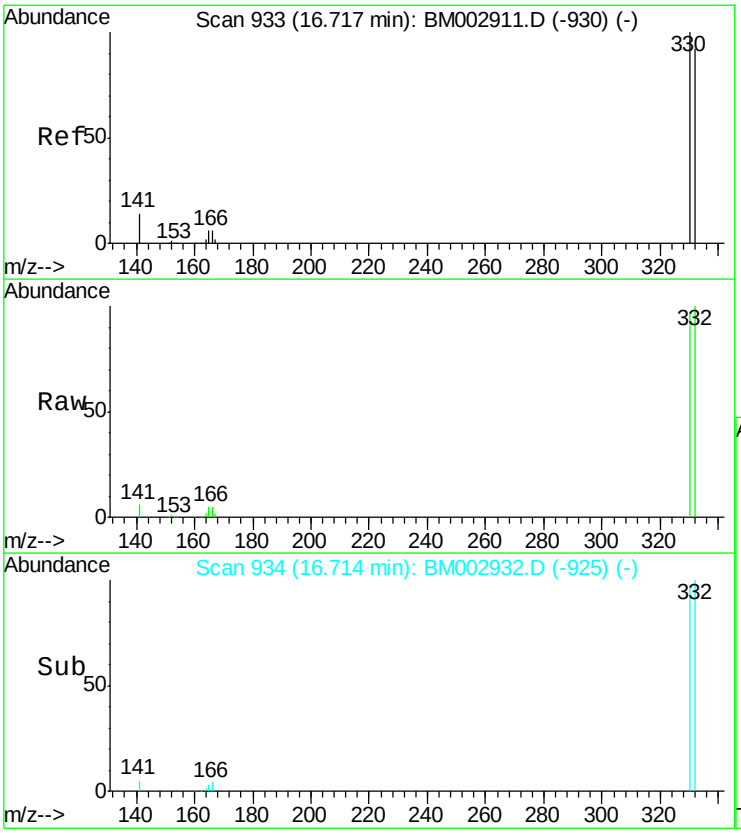
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 867
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:164 Resp: 227089

Ion	Ratio	Lower	Upper
164	100		
162	114.0	79.6	119.4
160	54.4	33.1	49.7#

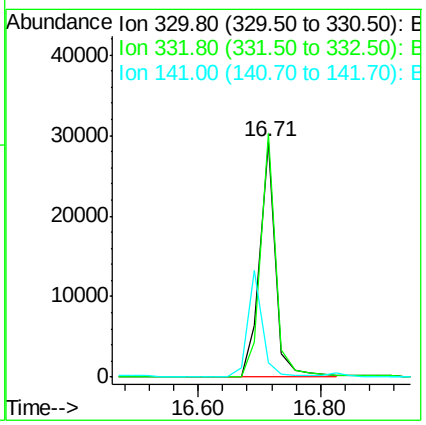


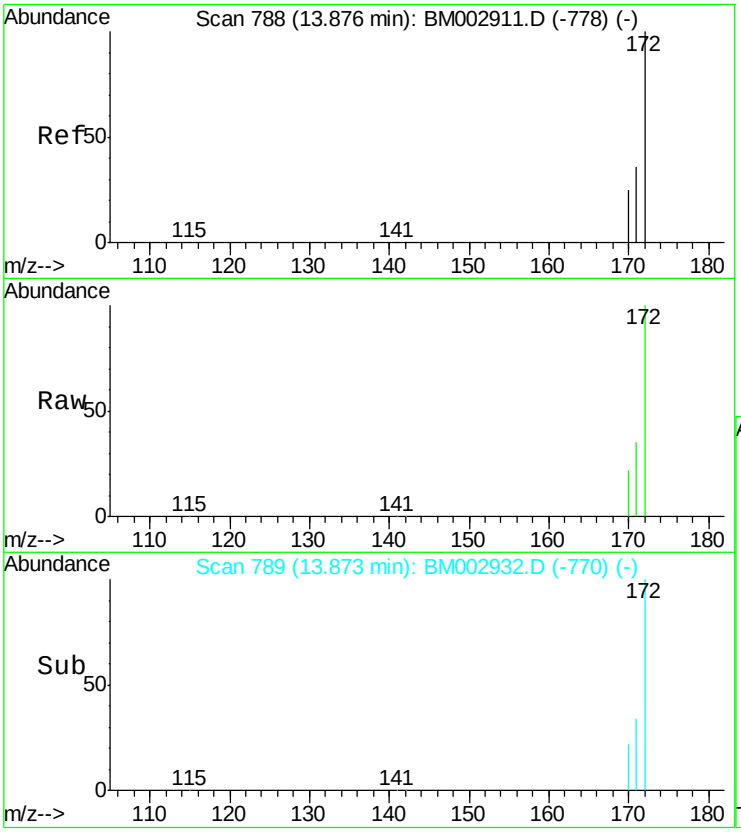


#14
2,4,6-Tribromophenol
Concen: 6.03 ng
RT: 16.71 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:330 Resp: 53272

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



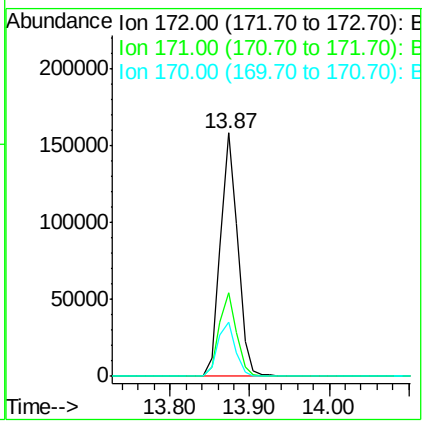


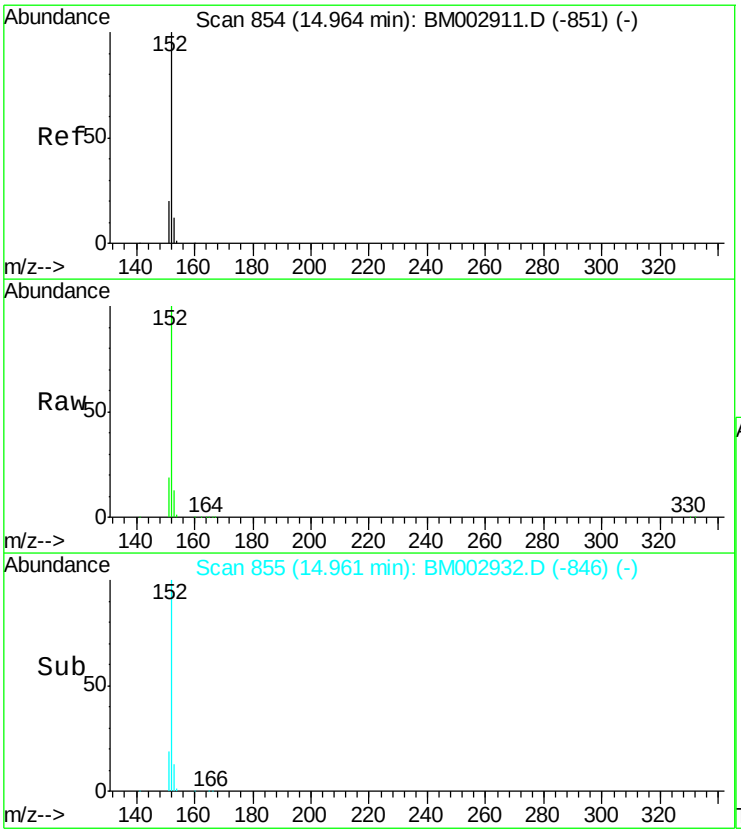
#15
2-Fluorobiphenyl
Concen: 3.28 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:172 Resp: 238438

Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.1	39.1
170	22.1	15.7	23.5

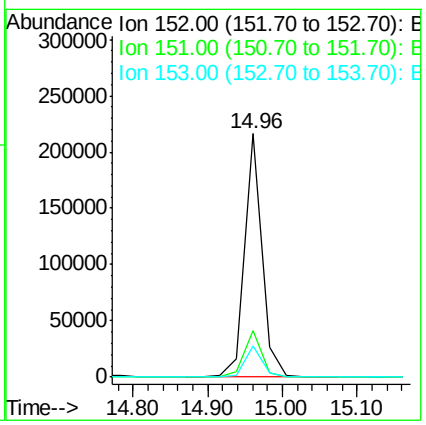


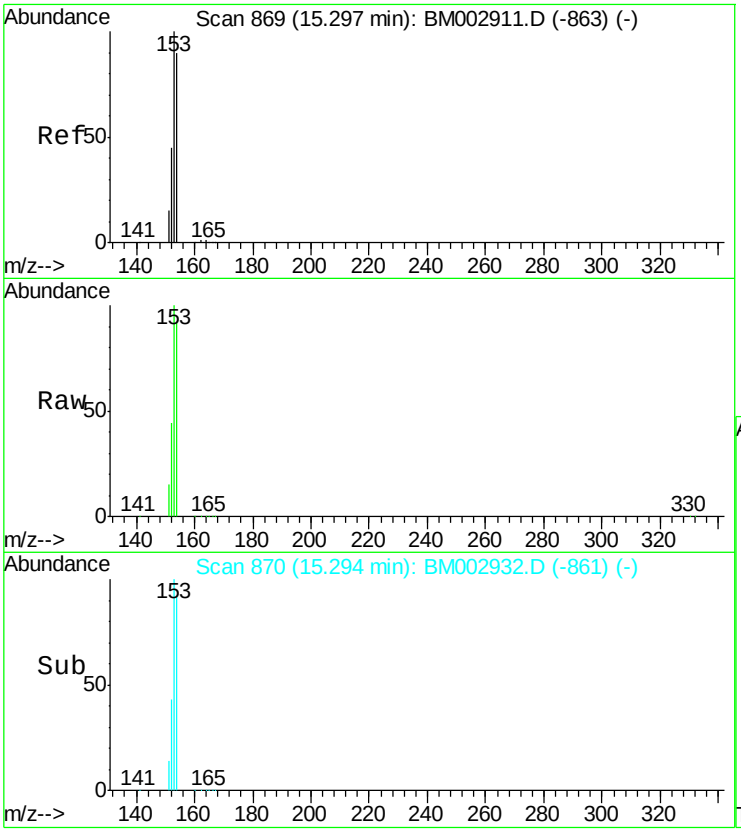


#16
Acenaphthylene
Concen: 3.53 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:152 Resp: 350144

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.0	10.5	15.7



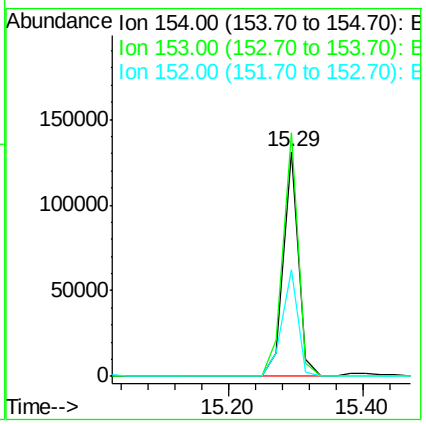


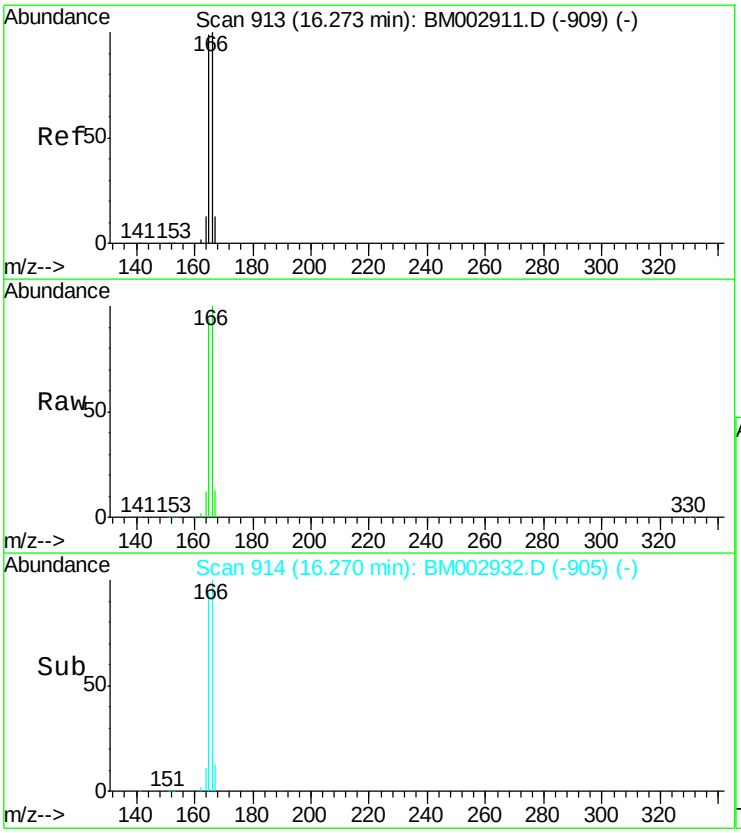
#17
Acenaphthene
Concen: 3.04 ng
RT: 15.29 min Scan# 870
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:154 Resp: 206670

Ion	Ratio	Lower	Upper
154	100		
153	110.7	0.0	0.0#
152	50.6	0.0	0.0#

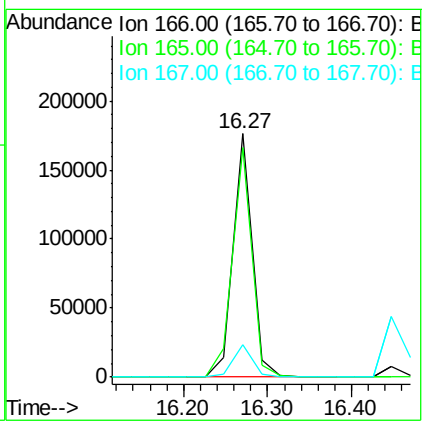


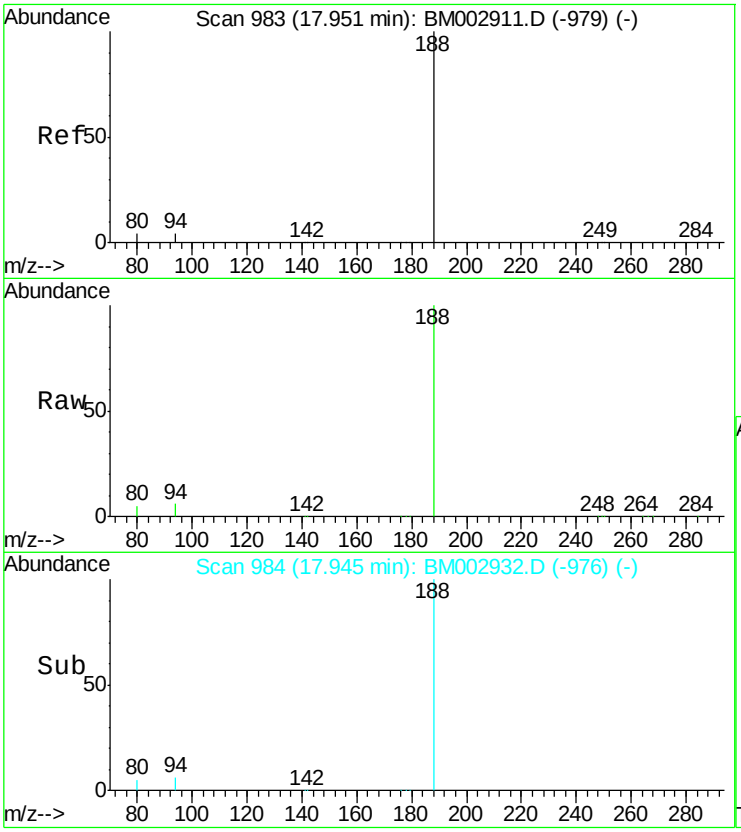


#18
Fluorene
Concen: 3.36 ng
RT: 16.27 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:166 Resp: 272777

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.3	115.9
167	13.4	10.9	16.3



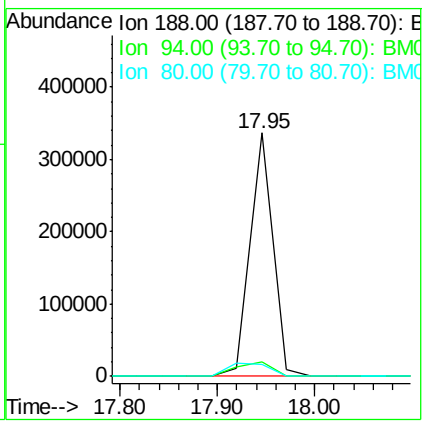


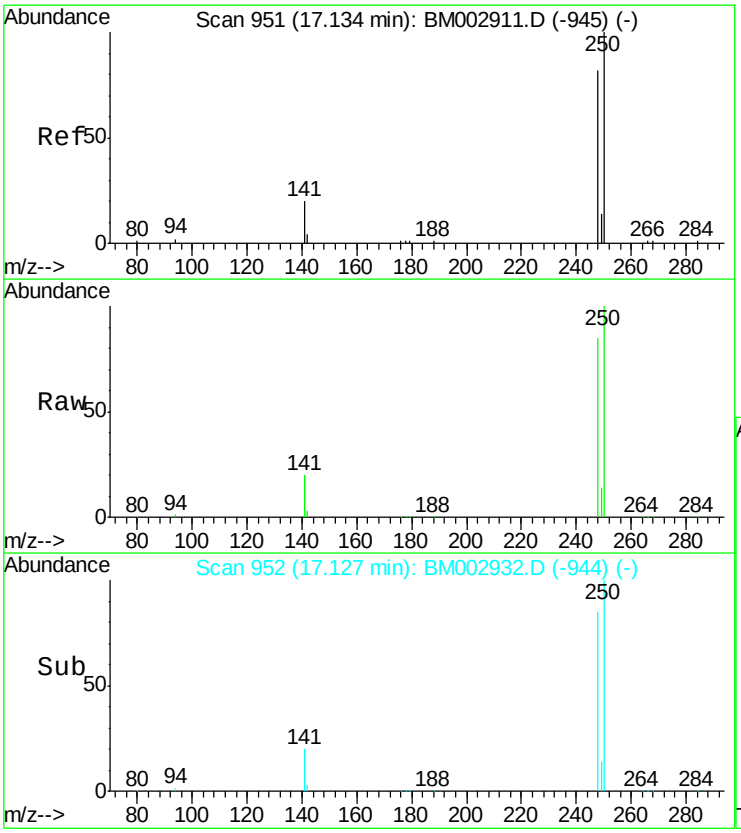
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 984
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:188 Resp: 549728

Ion	Ratio	Lower	Upper
188	100		
94	5.8	15.2	22.8#
80	5.1	15.9	23.9#

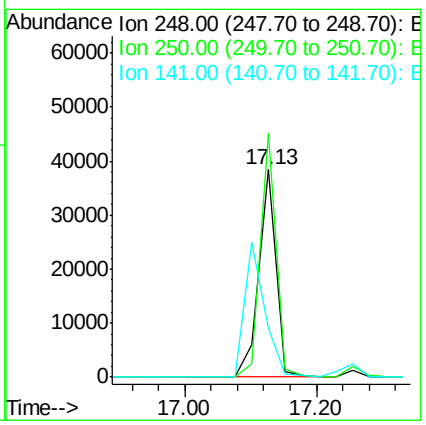


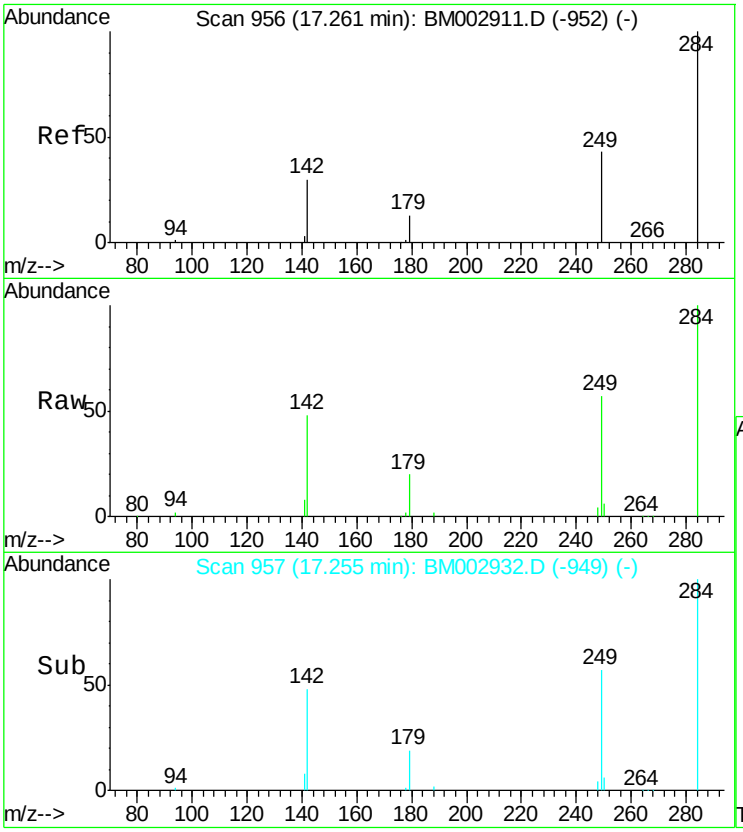


#20
4-Bromophenyl-phenylether
Concen: 3.07 ng
RT: 17.13 min Scan# 952
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:248 Resp: 69893

Ion	Ratio	Lower	Upper
248	100		
250	108.1	71.4	107.2#
141	0.0	54.6	82.0#



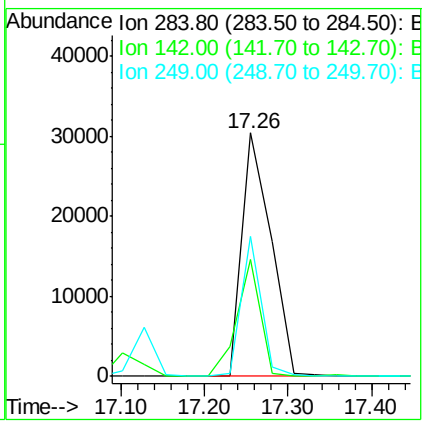


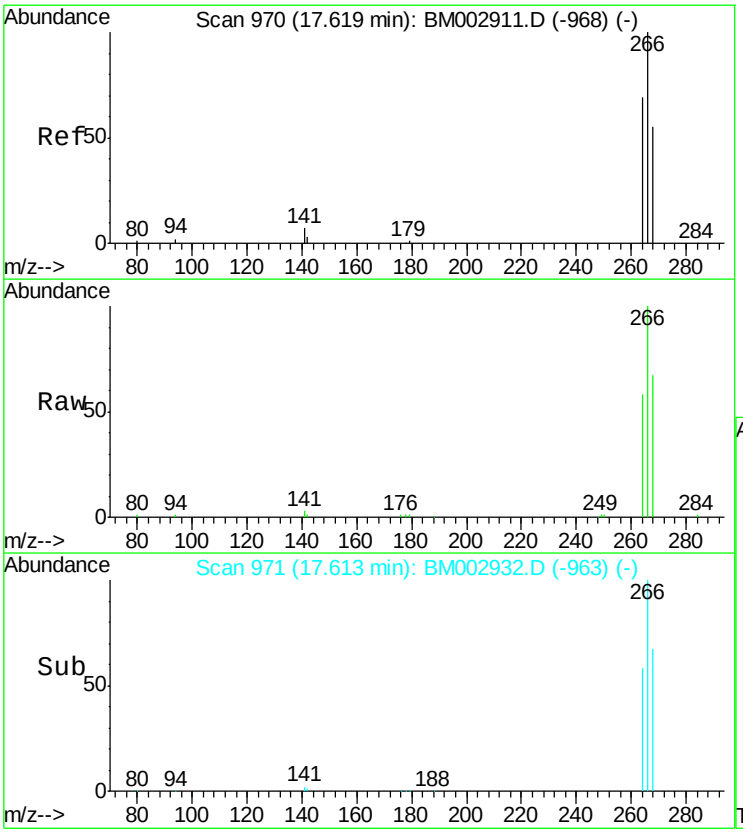
#21
Hexachlorobenzene
Concen: 3.47 ng
RT: 17.26 min Scan# 957
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:284 Resp: 73180

Ion	Ratio	Lower	Upper
284	100		
142	38.3	0.0	0.0#
249	39.2	20.7	31.1#

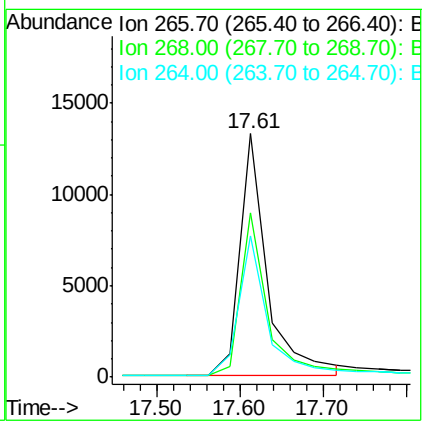


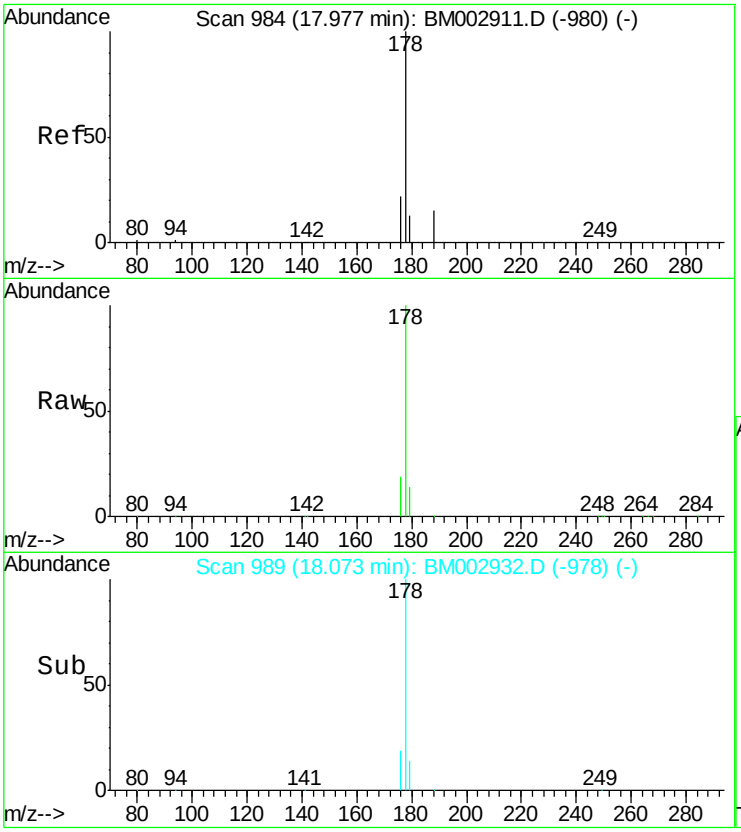


#22
Pentachlorophenol
Concen: 11.88 ng
RT: 17.61 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:266 Resp: 30582

Ion	Ratio	Lower	Upper
266	100		
268	67.4	58.3	87.5
264	58.1	54.2	81.2



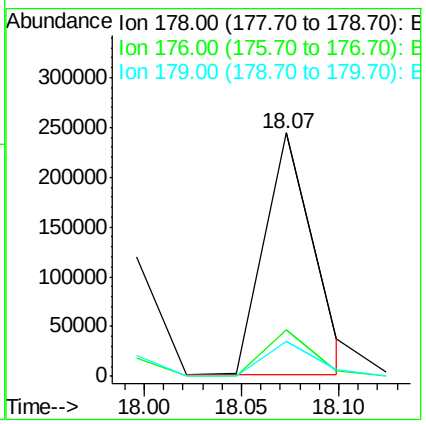


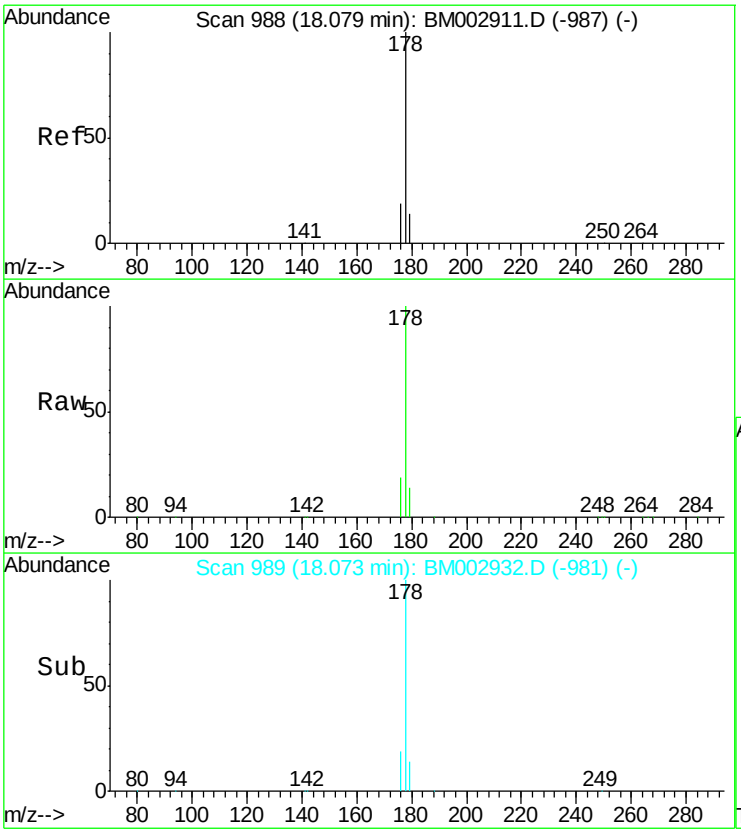
#23
Phenanthrene
Concen: 3.35 ng
RT: 18.07 min Scan# 989
Delta R.T. 0.08 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:178 Resp: 428703

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	14.7	12.5	18.7

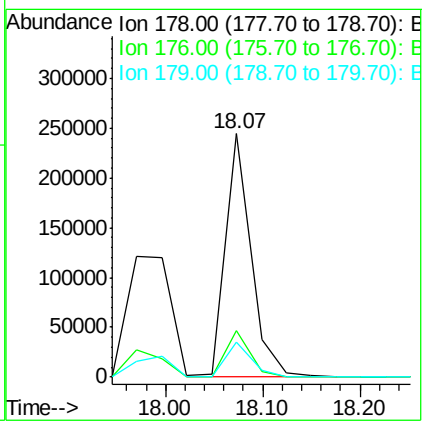


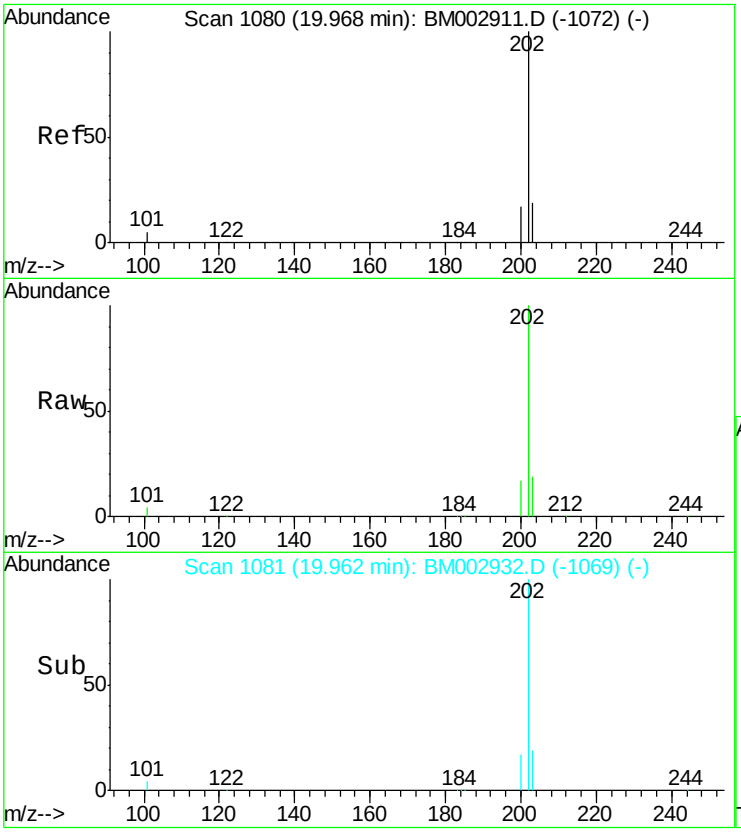


#24
Anthracene
Concen: 3.61 ng
RT: 18.07 min Scan# 989
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:178 Resp: 440757

Ion	Ratio	Lower	Upper
178	100		
176	18.5	13.9	20.9
179	14.7	12.6	18.8



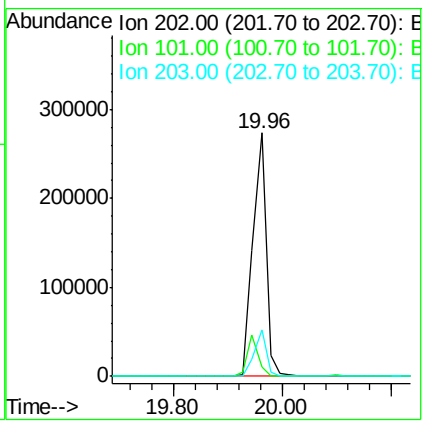


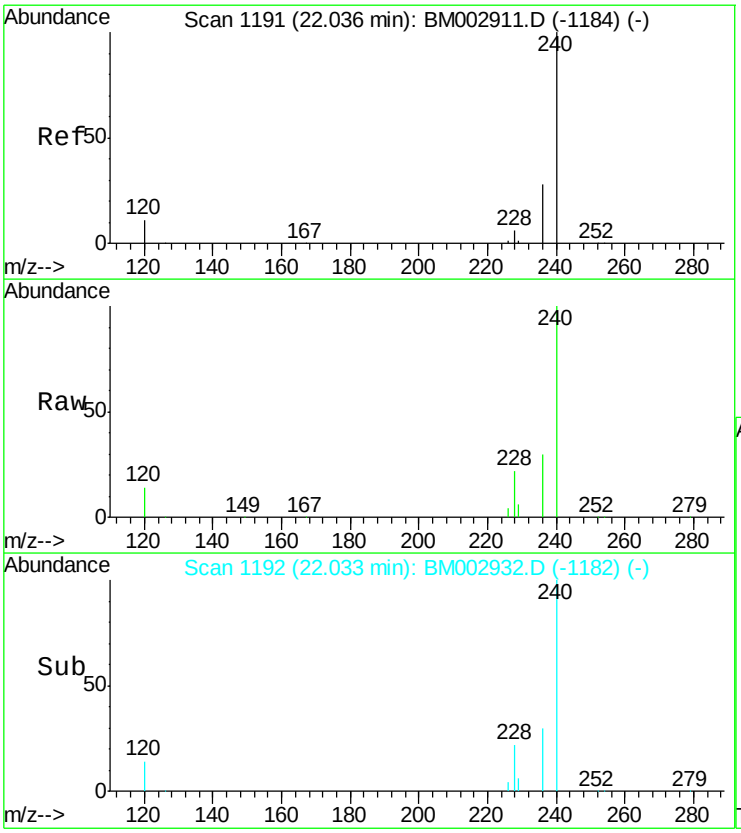
#25
Fluoranthene
Concen: 3.25 ng
RT: 19.96 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:202 Resp: 460921

Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.6
203	17.6	13.8	20.6

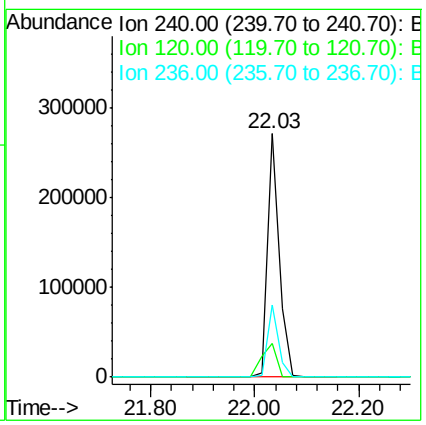


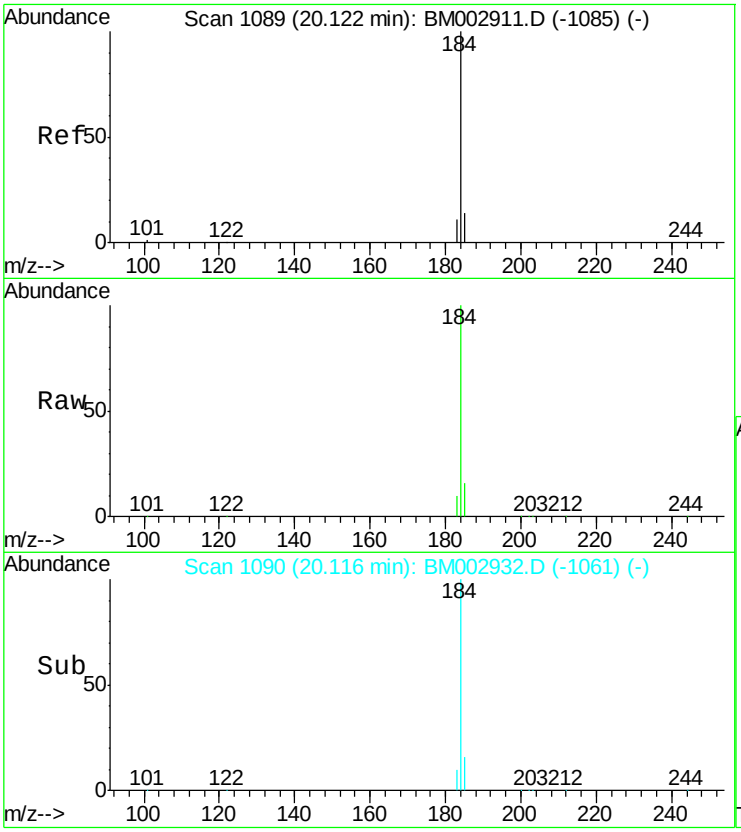


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.03 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:240 Resp: 438450

Ion	Ratio	Lower	Upper
240	100		
120	14.0	3.3	4.9#
236	29.6	19.5	29.3#



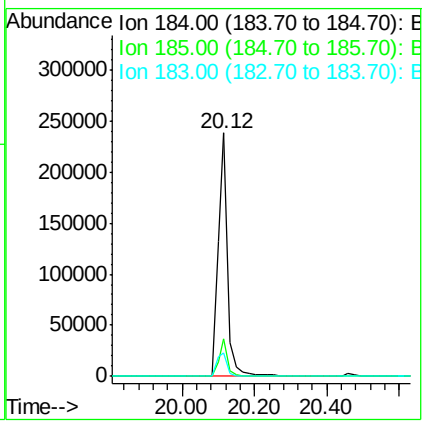


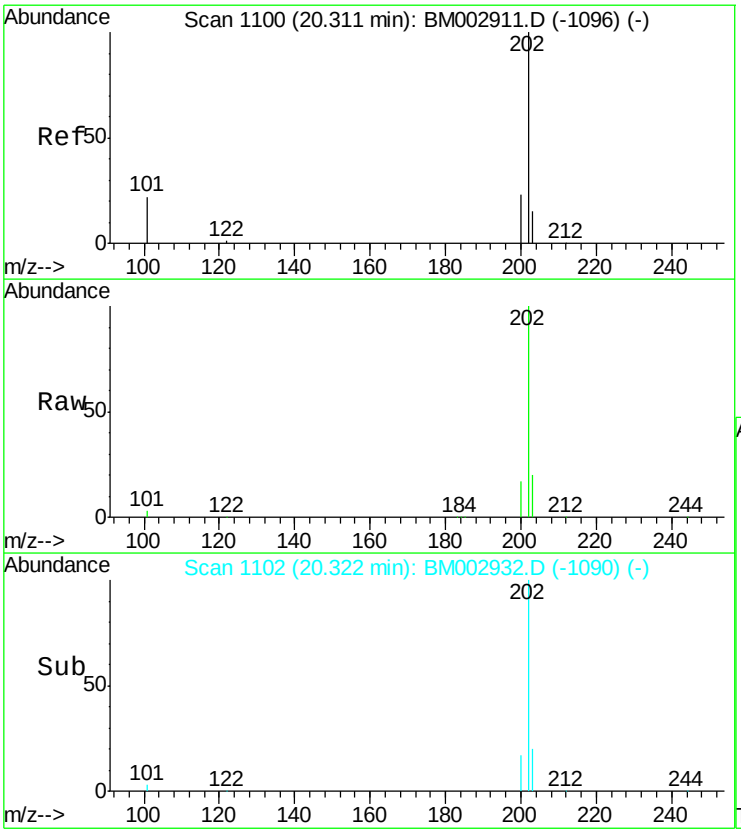
#27
Benzidine
Concen: 6.85 ng
RT: 20.12 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:184 Resp: 442858

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.0	18.0
183	9.8	8.9	13.3

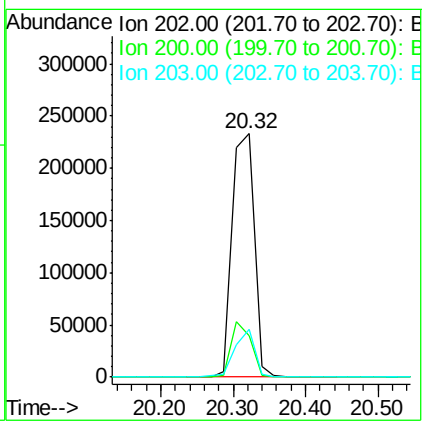


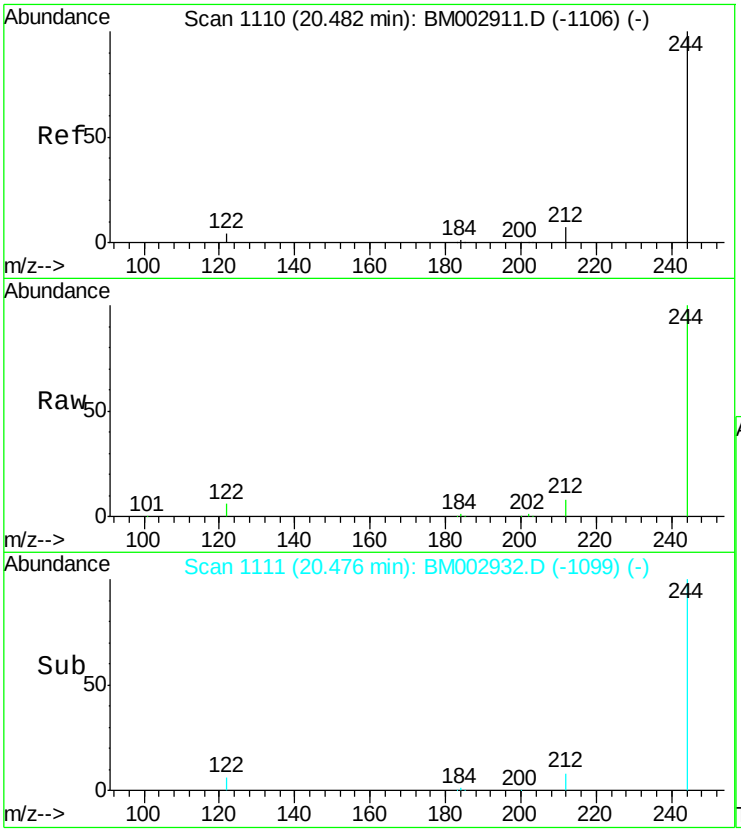


#28
Pyrene
Concen: 3.76 ng
RT: 20.32 min Scan# 1102
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:202 Resp: 486121

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	17.8	13.8	20.8



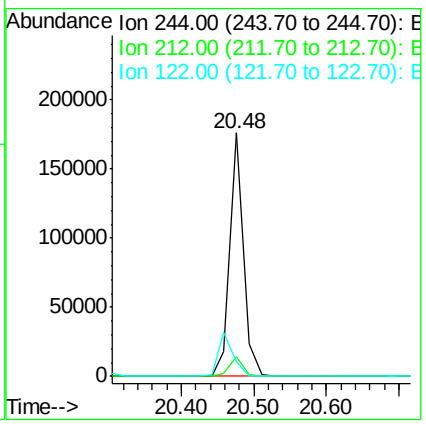


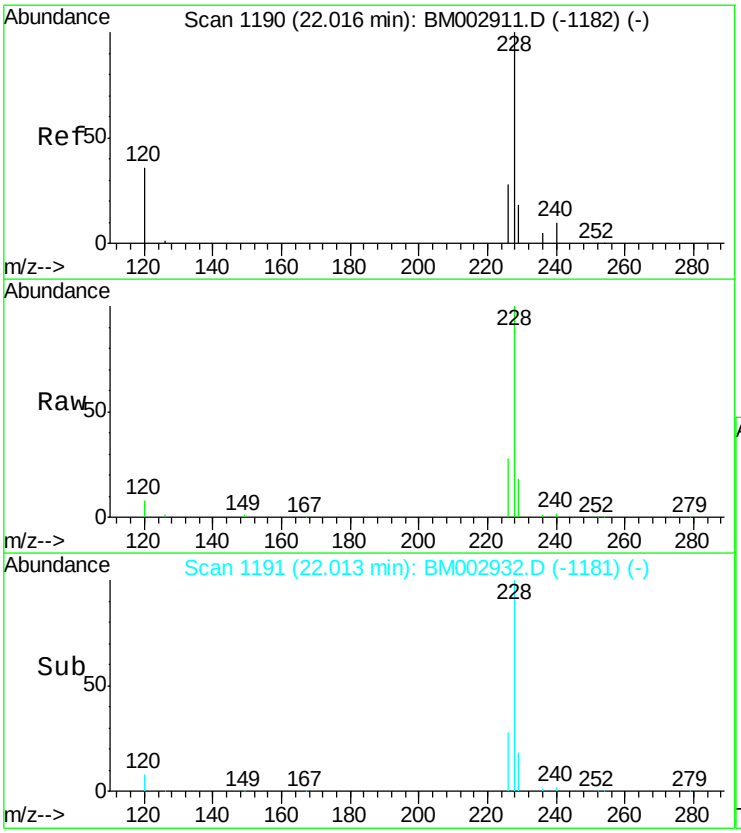
#29
Terphenyl-d14
Concen: 3.46 ng
RT: 20.48 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:244 Resp: 227271

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.6	8.4
122	5.8	2.2	3.2#

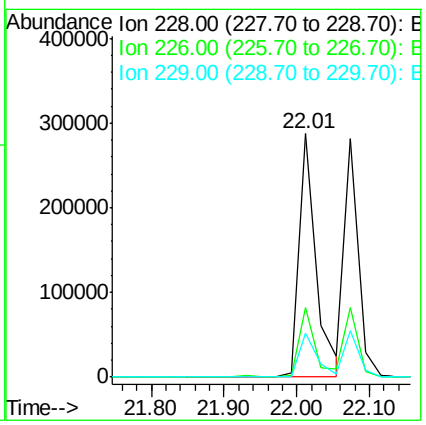


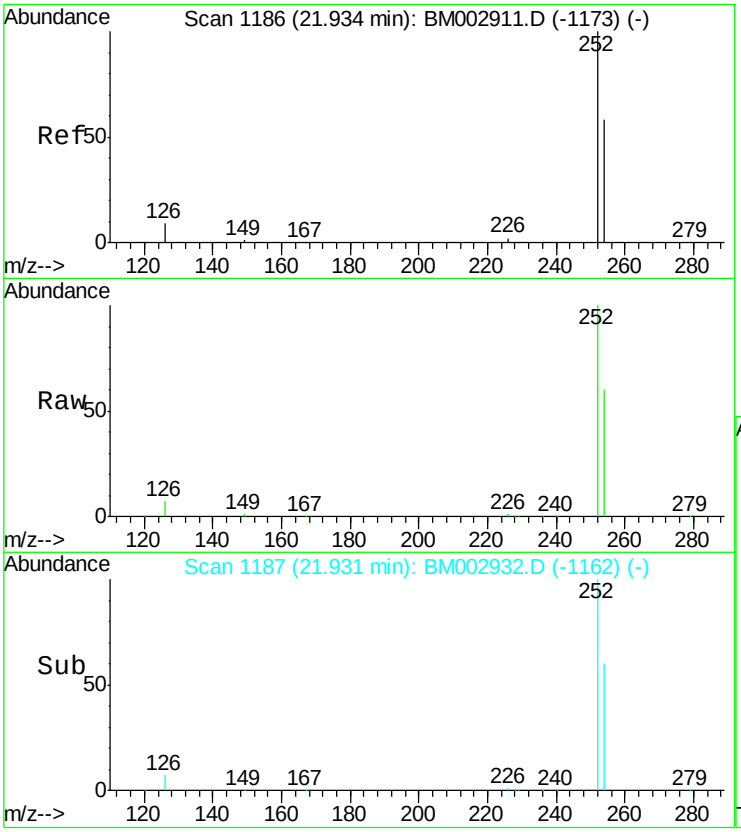


#30
Benzo(a)anthracene
Concen: 3.67 ng
RT: 22.01 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:228 Resp: 464918

Ion	Ratio	Lower	Upper
228	100		
226	28.3	19.0	28.6
229	17.9	16.8	25.2



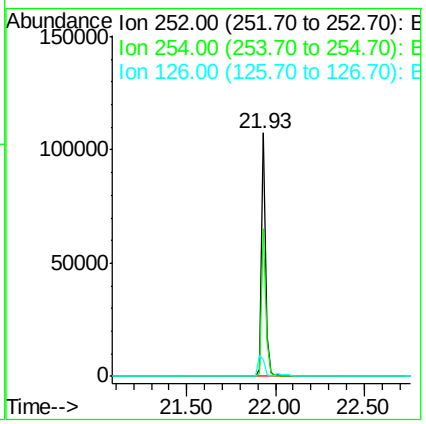


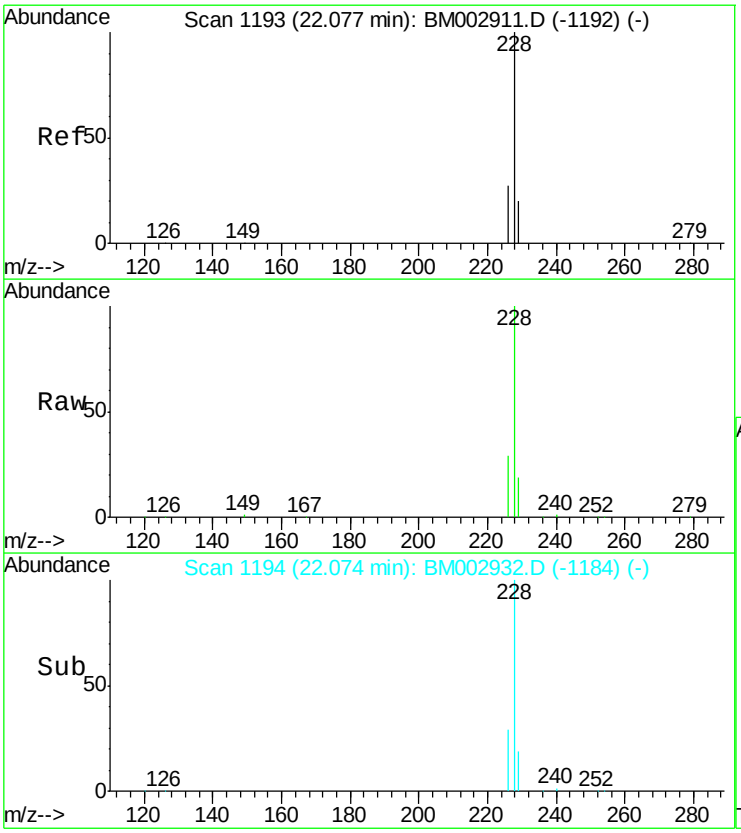
#31
3,3'-Dichlorobenzidine
Concen: 3.83 ng
RT: 21.93 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:252 Resp: 164142

Ion	Ratio	Lower	Upper
252	100		
254	60.5	54.1	81.1
126	6.9	4.1	6.1#

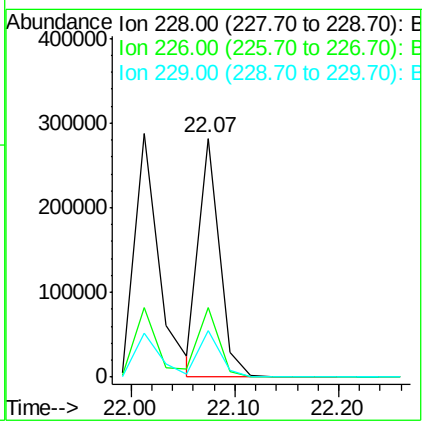


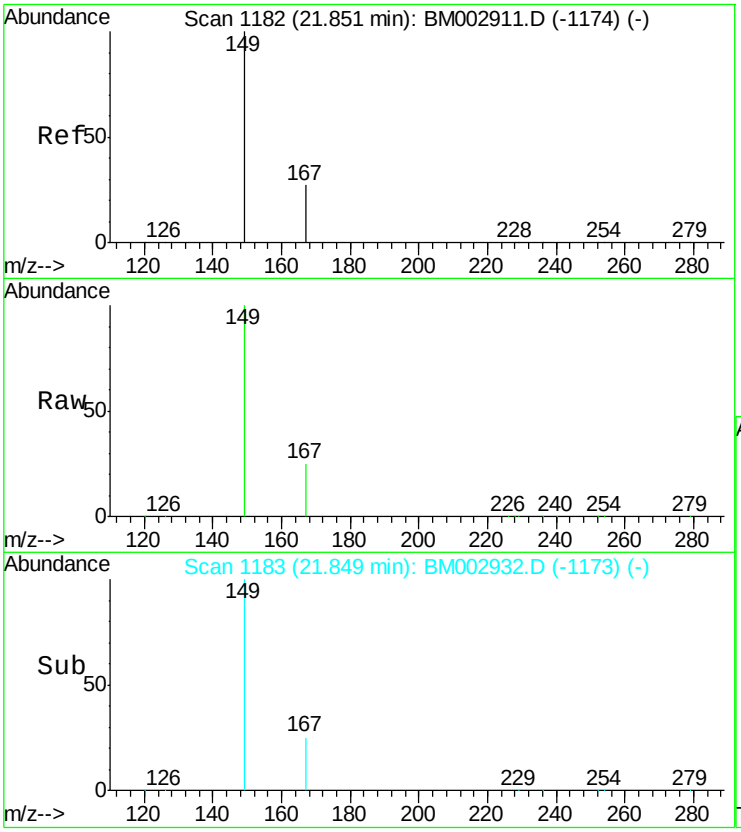


#32
Chrysene
Concen: 3.25 ng
RT: 22.07 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:228 Resp: 385534

Ion	Ratio	Lower	Upper
228	100		
226	28.9	20.6	30.8
229	19.2	17.4	26.2



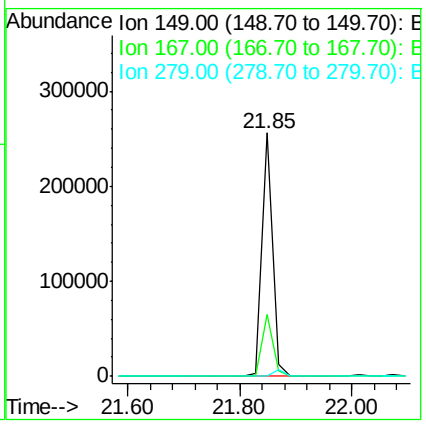


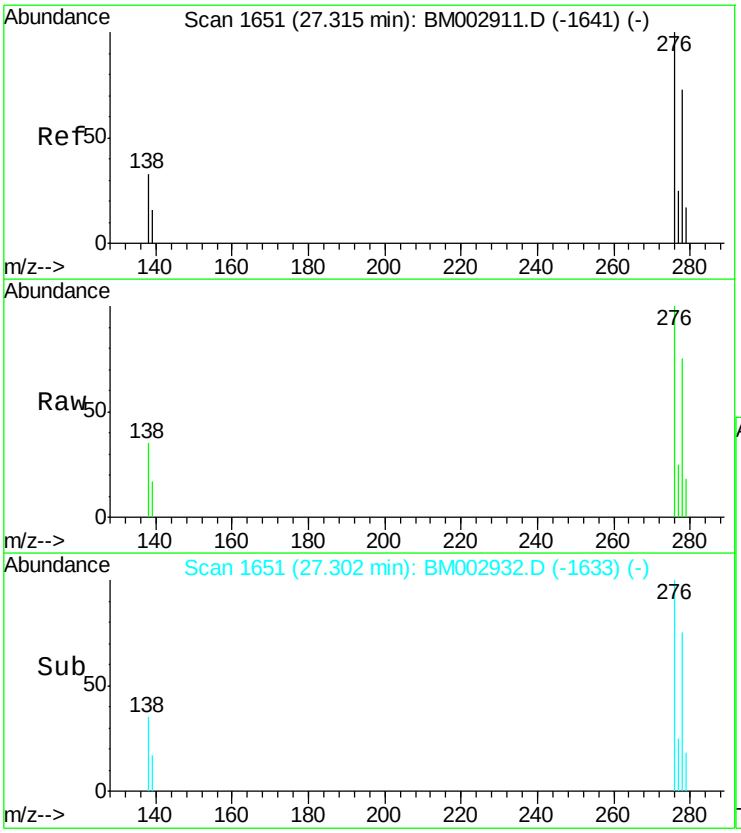
#33
Bis(2-ethylhexyl)phthalate
Concen: 3.52 ng
RT: 21.85 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:149 Resp: 335174

Ion	Ratio	Lower	Upper
149	100		
167	26.1	17.2	25.8#
279	0.0	2.2	3.4#

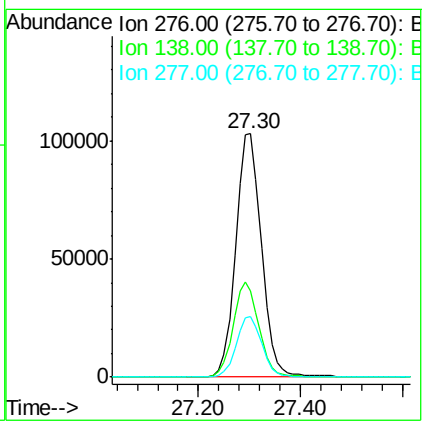


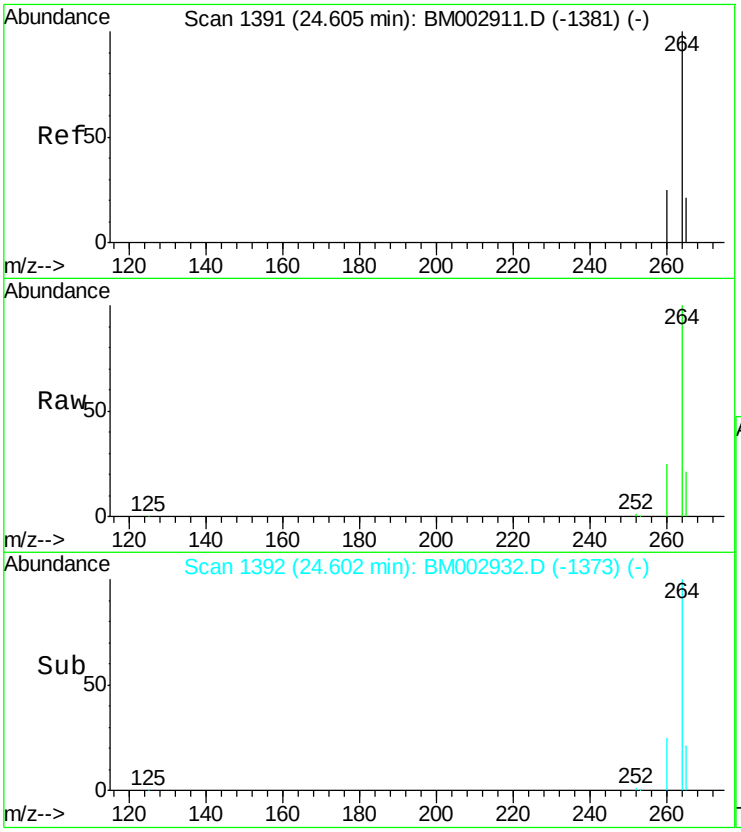


#34
Indeno(1,2,3-cd)pyrene
Concen: 2.95 ng
RT: 27.30 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:276 Resp: 359178

Ion	Ratio	Lower	Upper
276	100		
138	38.8	29.0	43.6
277	24.8	19.8	29.8



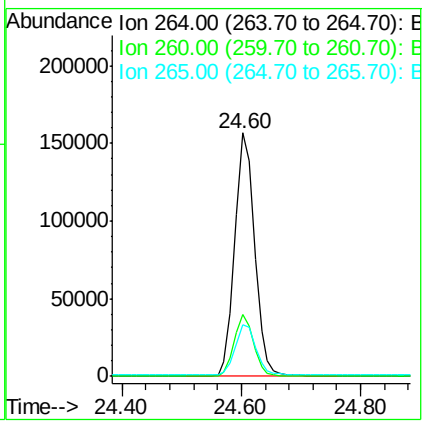


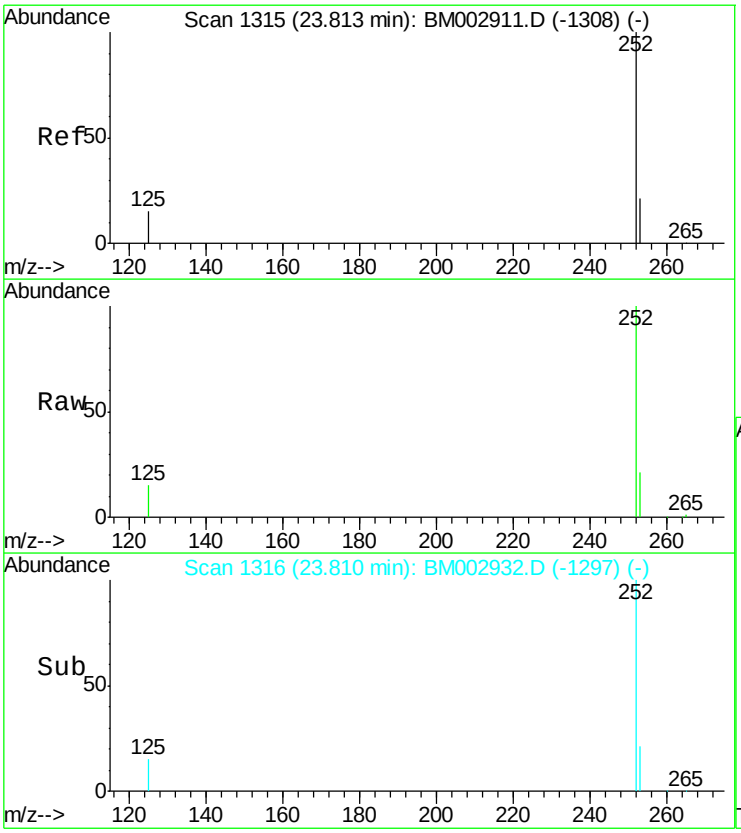
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.60 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:264 Resp: 360273

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.4	17.6	26.4

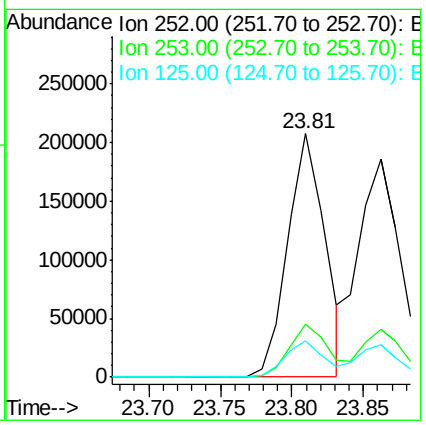


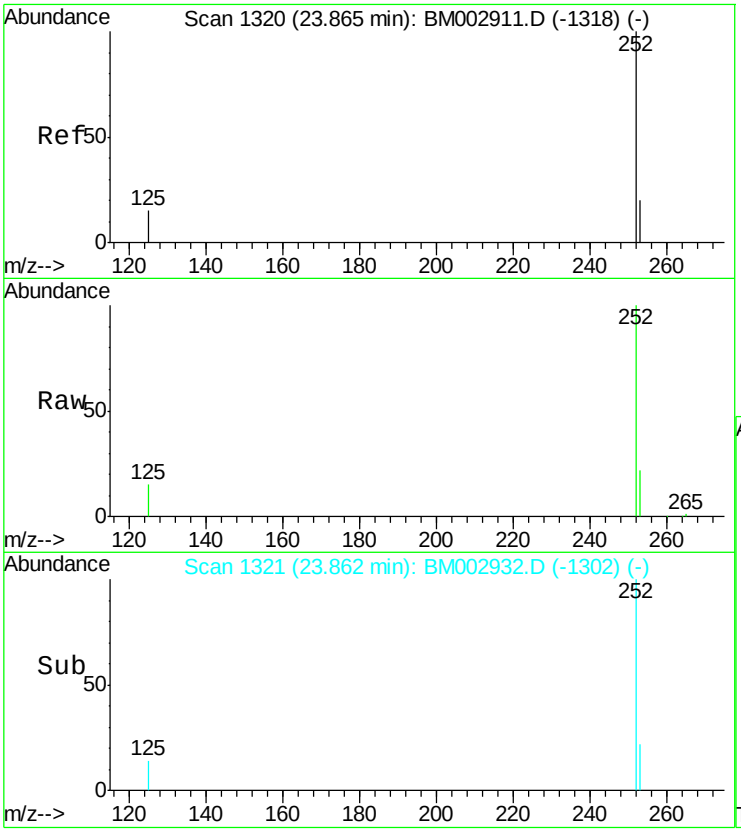


#36
Benzo(b)fluoranthene
Concen: 3.64 ng
RT: 23.81 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:252 Resp: 376436

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	14.8	12.4	18.6



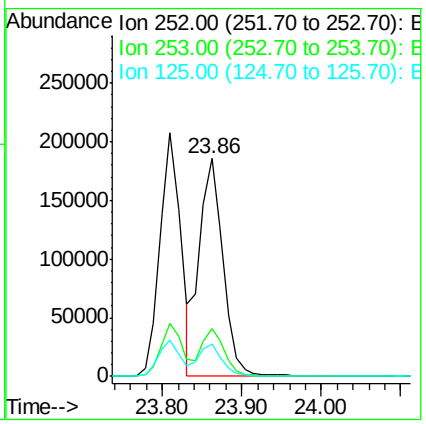


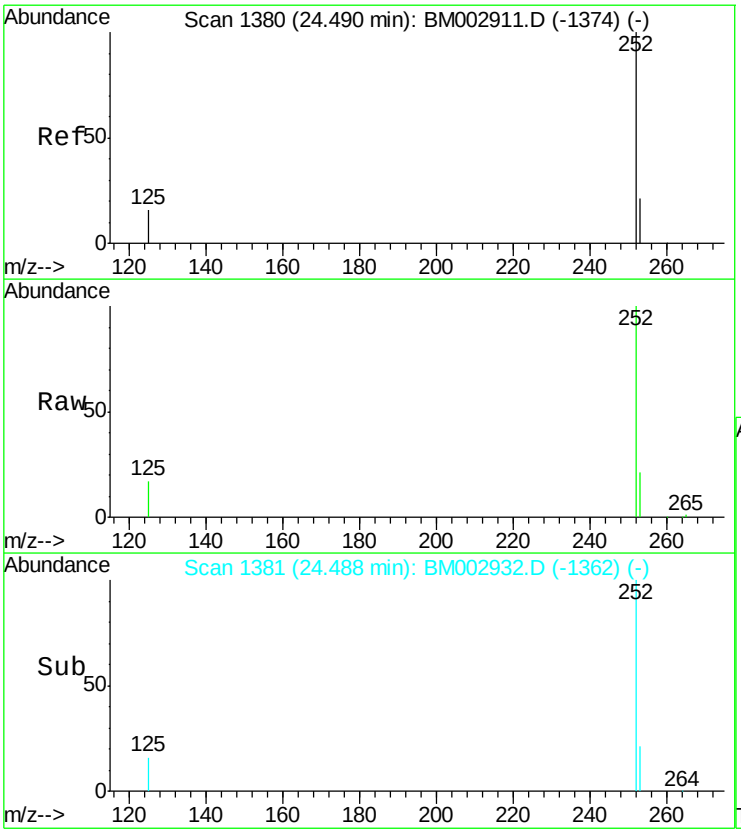
#37
Benzo(k)fluoranthene
Concen: 3.76 ng
RT: 23.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:252 Resp: 380483

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	14.7	12.3	18.5

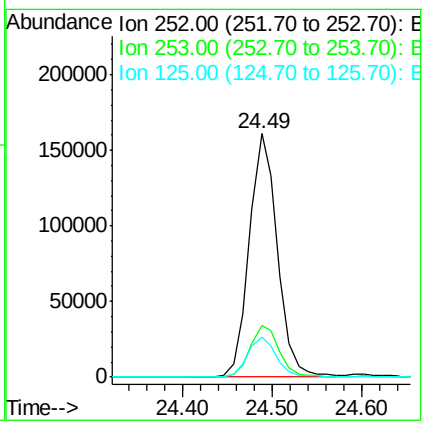


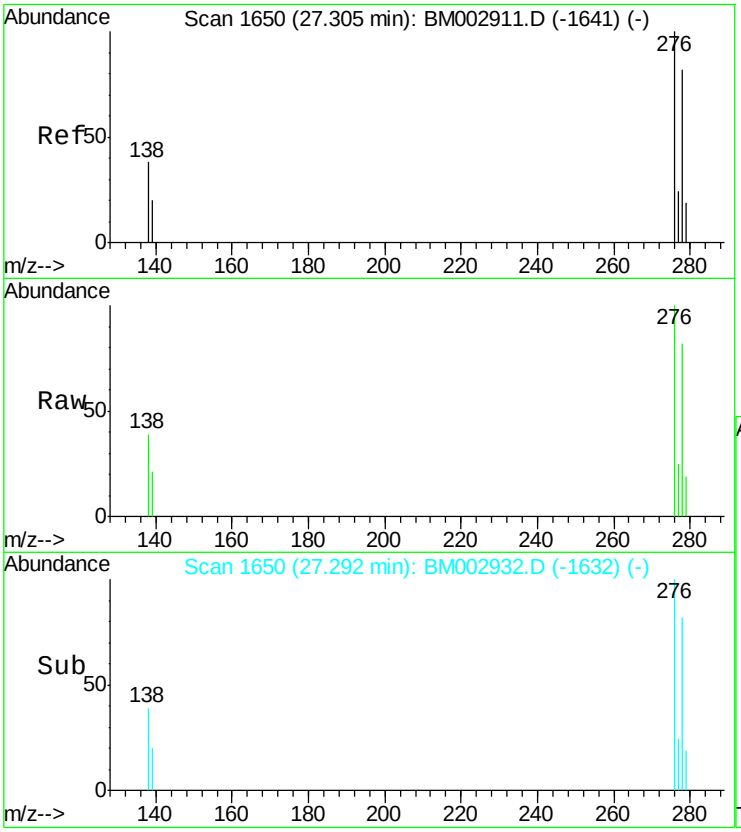


#38
Benzo(a)pyrene
Concen: 3.82 ng
RT: 24.49 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:252 Resp: 349017

Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.4	27.6
125	16.6	13.3	19.9



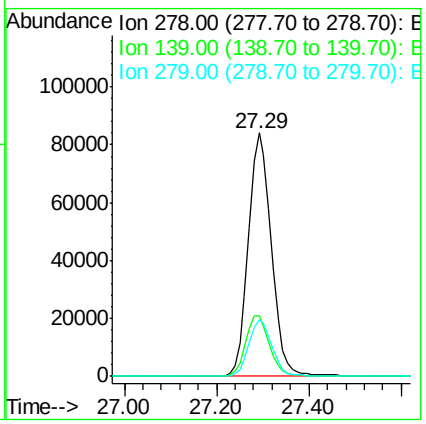


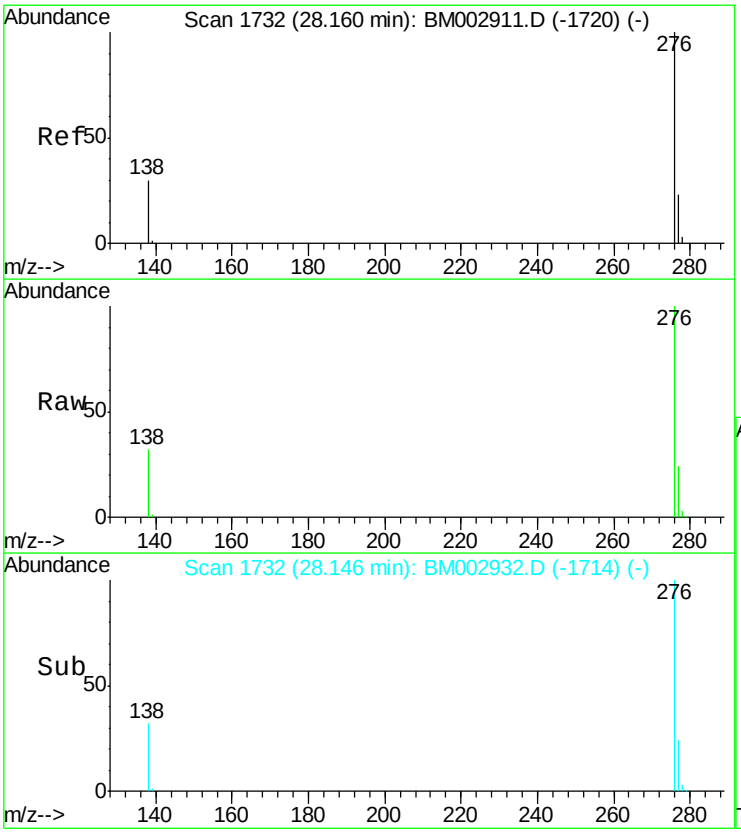
#39
Dibenzo(a,h)anthracene
Concen: 3.33 ng
RT: 27.29 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Instrument :
BNA_M
ClientSampleId :
PB86139BS

Tgt Ion:278 Resp: 291523

Ion	Ratio	Lower	Upper
278	100		
139	25.0	19.8	29.6
279	23.2	19.1	28.7





#40
Benzo(g,h,i)perylene
Concen: 3.22 ng
RT: 28.15 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM002932.D
Acq: 16 Oct 2015 13:41

Tgt Ion:276 Resp: 294722

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	32.2	24.4	36.6