Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002920.D
Acq On : 15 Oct 2015 18:45
Operator : UM/IZ
Sample : PB86101BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB86101BS

Quant Time: Oct 16 07:00:29 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	95180	5.00	ng		0.00
7) Naphthalene-d8	11.49	136	399002	5.00	ng		-0.01
13) Acenaphthene-d10	15.23	164	205223	5.00	ng		0.00
19) Phenanthrene-d10	17.95	188	512732	5.00	ng		-0.01
26) Chrysene-d12	22.03	240	416083	5.00	ng		-0.01
35) Perylene-d12	24.61	264	369443	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	6.12	112	134854	7.58	ng		-0.03
5) Phenol-d6	7.77	99	183472	8.08	ng		-0.03
8) Nitrobenzene-d5	9.85	82	75142	3.93	ng		-0.02
14) 2,4,6-Tribromophenol	16.71	330	61446	7.66	ng		0.00
15) 2-Fluorobiphenyl	13.87	172	260311	3.96	ng		0.00
29) Terphenyl-d14	20.48	244	248358	3.99	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.77	88	28970	3.34	ng		98
3) n-Nitrosodimethylamine	4.14	42	26820	3.97	ng	#	97
6) bis(2-Chloroethyl)ether	8.04	93	83031	3.83	ng		95
9) Nitrobenzene	9.89	77	79957	3.95	ng		99
10) Naphthalene	11.54	128	313060	3.53	ng		96
11) Hexachlorobutadiene	11.80	225	49673	3.48	ng		100
12) 2-Methylnaphthalene	13.11	142	221714	3.71	ng		96
16) Acenaphthylene	14.96	152	369972	4.12	ng		100
17) Acenaphthene	15.29	154	220594	3.59	ng	#	100
18) Fluorene	16.27	166	291682	3.98	ng		100
20) 4-Bromophenyl-phenylether	17.13	248	81741	3.84	ng	#	53
21) Hexachlorobenzene	17.26	284	80609	4.00	ng	#	77
22) Pentachlorophenol	17.61	266	30116	12.53	ng		91
23) Phenanthrene	18.00	178	399103	3.34	ng		100
24) Anthracene	18.07	178	440862	3.87	ng		97
25) Fluoranthene	19.96	202	476827	3.61	ng		99
27) Benzidine	20.12	184	490284	7.97	ng		98
28) Pyrene	20.32	202	502269	4.09	ng		99
30) Benzo(a)anthracene	22.01	228	467715	3.89	ng	#	90
31) 3,3'-Dichlorobenzidine	21.93	252	174579	4.29	ng	#	87
32) Chrysene	22.07	228	413380	3.68	ng		92
33) Bis(2-ethylhexyl)phthalate	21.85	149	295687	3.29	ng	#	93
34) Indeno(1,2,3-cd)pyrene	27.30	276	425004	3.67	ng		100
36) Benzo(b)fluoranthene	23.81	252	439555	4.15	ng		98
37) Benzo(k)fluoranthene	23.86	252	391532	3.77	ng		98
38) Benzo(a)pyrene	24.49	252	387253	4.13	ng		98
39) Dibenzo(a,h)anthracene	27.30	278	344303	3.84	ng		98
40) Benzo(g,h,i)perylene	28.14	276	354829	3.78	ng		99

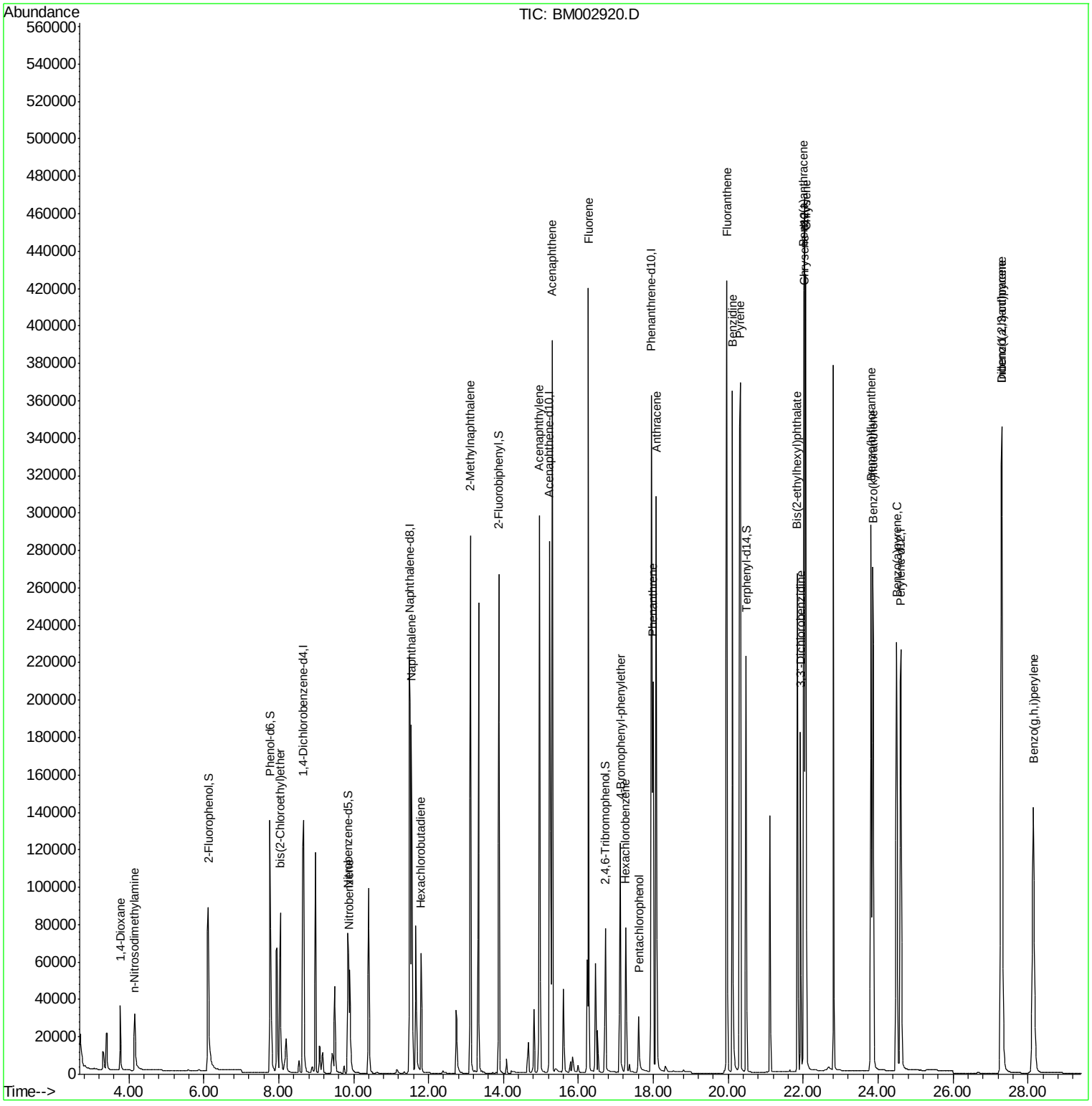
(#) = qualifier out of range (m) = manual integration (+) = signals summed

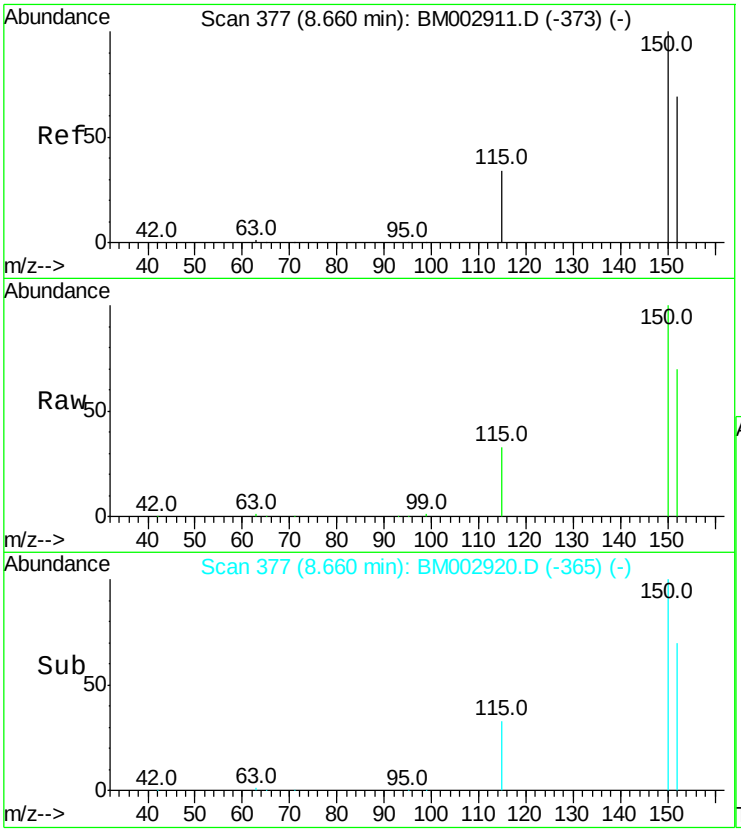
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101515\
Data File : BM002920.D
Acq On : 15 Oct 2015 18:45
Operator : UM/IZ
Sample : PB86101BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB86101BS

Quant Time: Oct 16 07:00:29 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



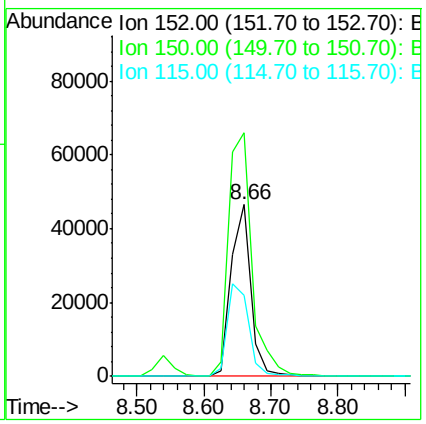


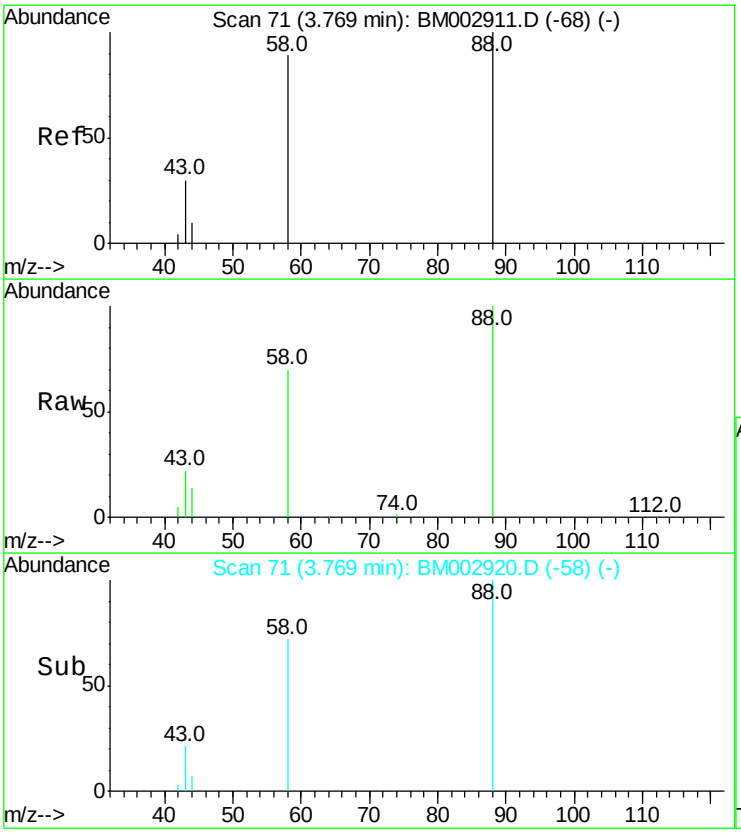
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.66 min Scan# 377
Delta R.T. 0.00 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:152 Resp: 95180

Ion	Ratio	Lower	Upper
152	100		
150	141.9	113.0	169.6
115	47.1	37.9	56.9

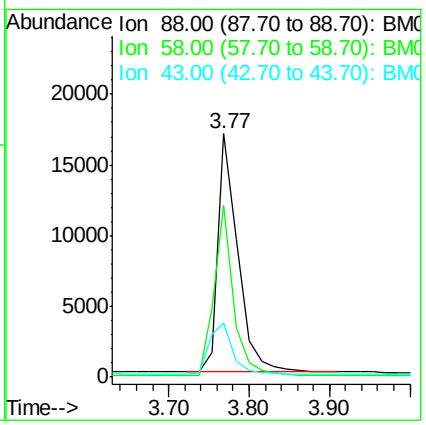


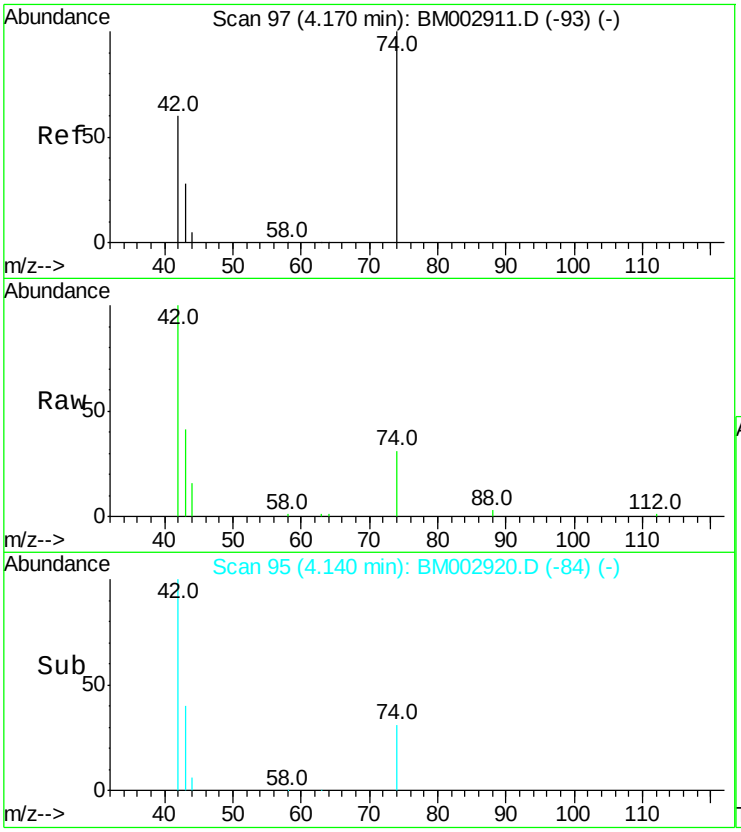


#2
1,4-Dioxane
Concen: 3.34 ng
RT: 3.77 min Scan# 71
Delta R.T. 0.00 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion: 88 Resp: 28970

Ion	Ratio	Lower	Upper
88	100		
58	70.7	56.7	85.1
43	24.9	22.0	33.0



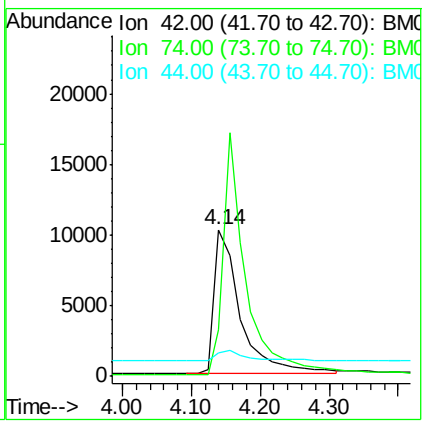


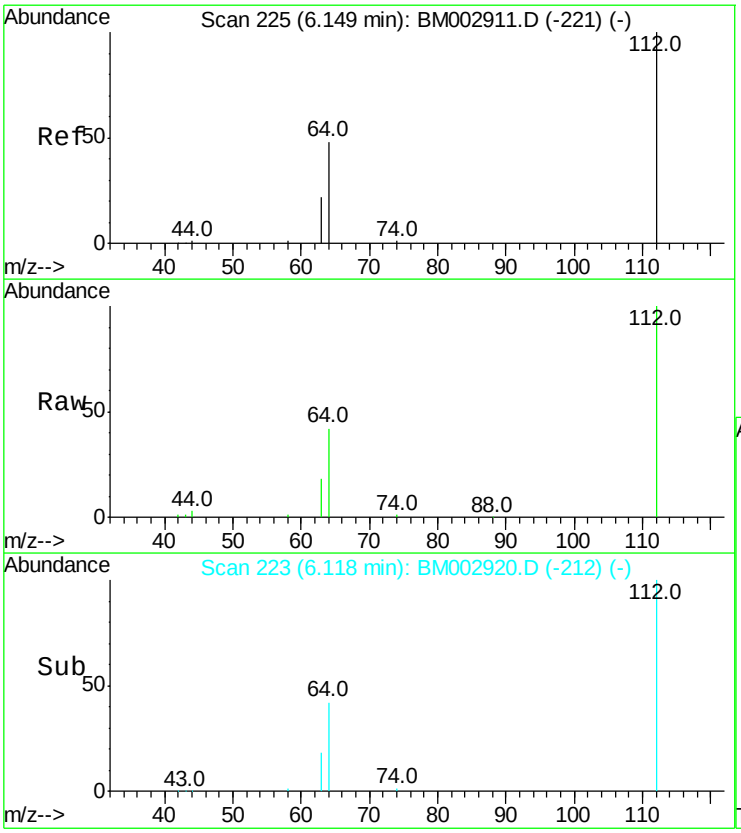
#3
n-Nitrosodimethylamine
Concen: 3.97 ng
RT: 4.14 min Scan# 95
Delta R.T. -0.03 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion: 42 Resp: 26820

Ion	Ratio	Lower	Upper
42	100		
74	146.1	119.7	179.5
44	7.9	9.8	14.6#

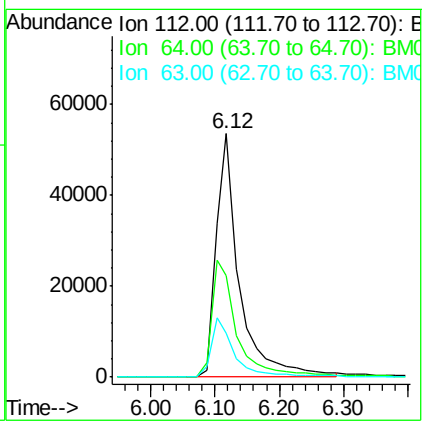


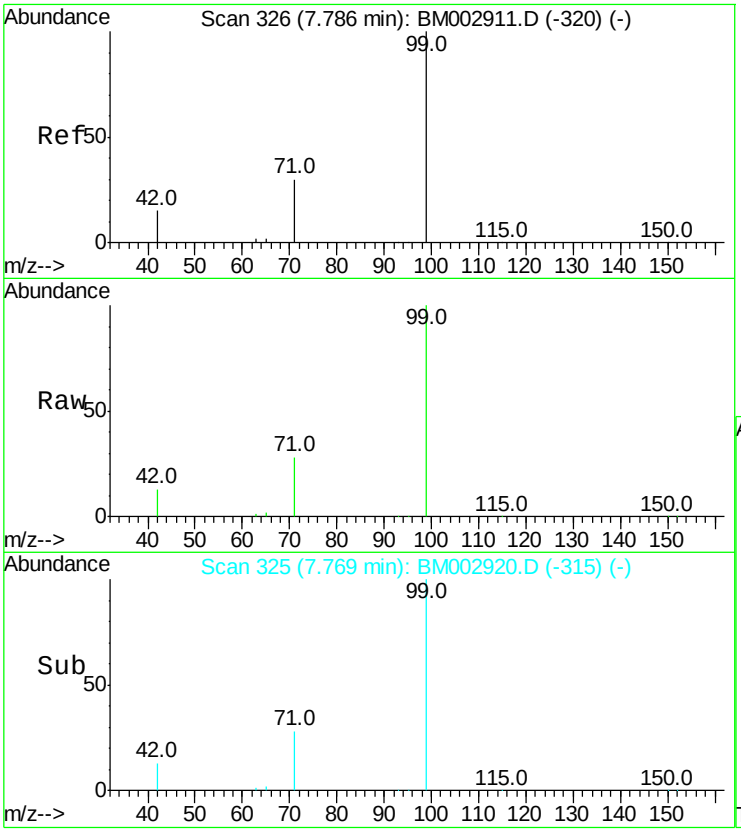


#4
2-Fluorophenol
Concen: 7.58 ng
RT: 6.12 min Scan# 223
Delta R.T. -0.03 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:112 Resp: 134854

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



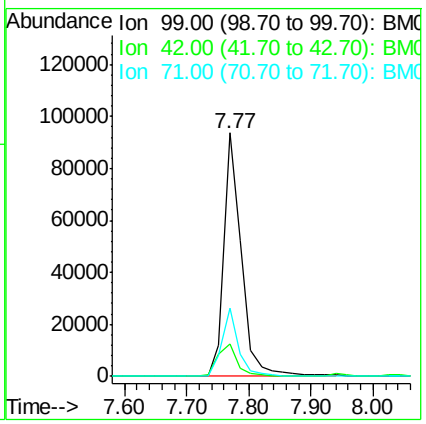


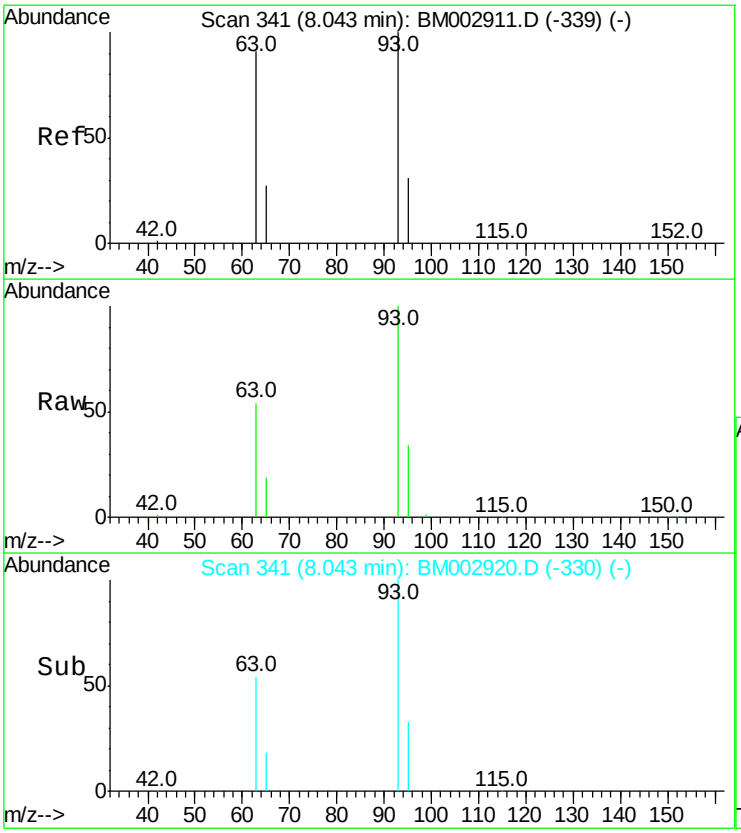
#5
Phenol-d6
Concen: 8.08 ng
RT: 7.77 min Scan# 325
Delta R.T. -0.03 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion: 99 Resp: 183472

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.4	18.6
71	26.4	21.4	32.0

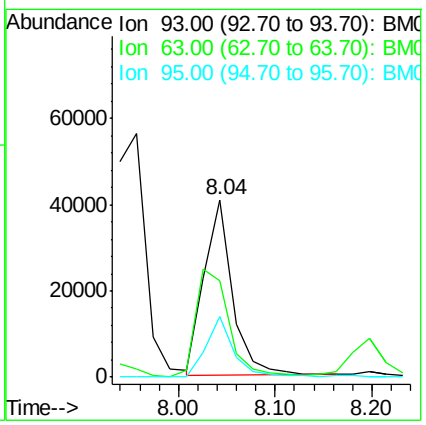


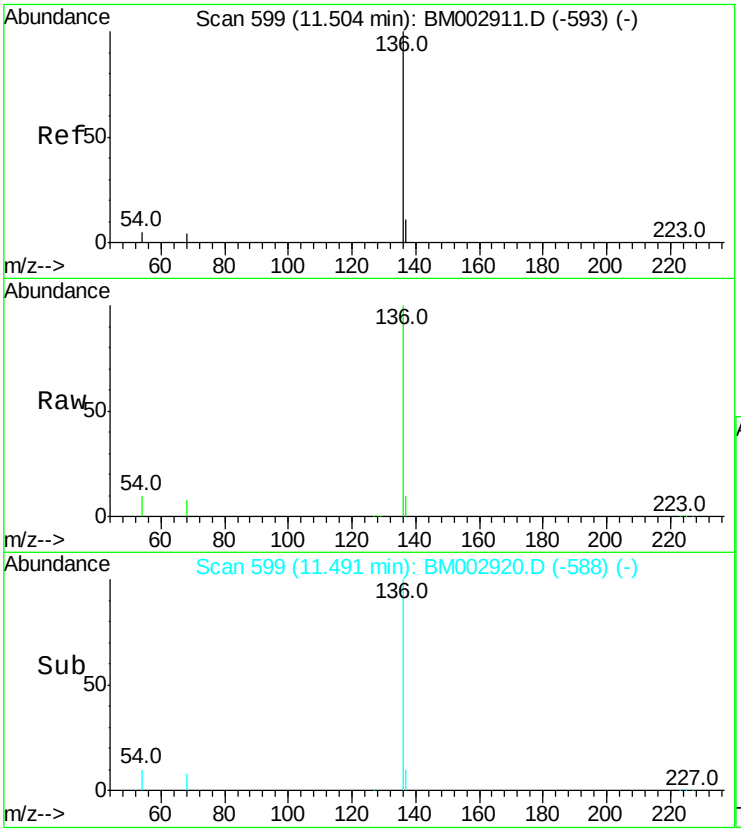


#6
bis(2-Chloroethyl)ether
Concen: 3.83 ng
RT: 8.04 min Scan# 341
Delta R.T. -0.02 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion: 93 Resp: 83031

Ion	Ratio	Lower	Upper
93	100		
63	70.9	52.9	79.3
95	32.6	25.2	37.8



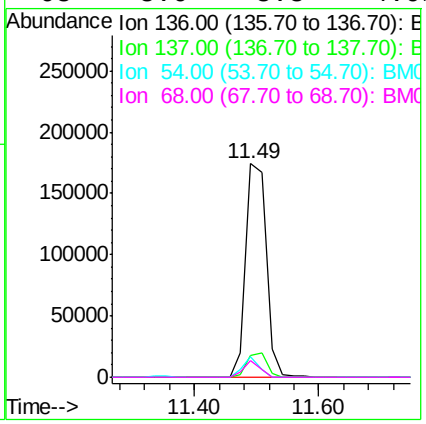


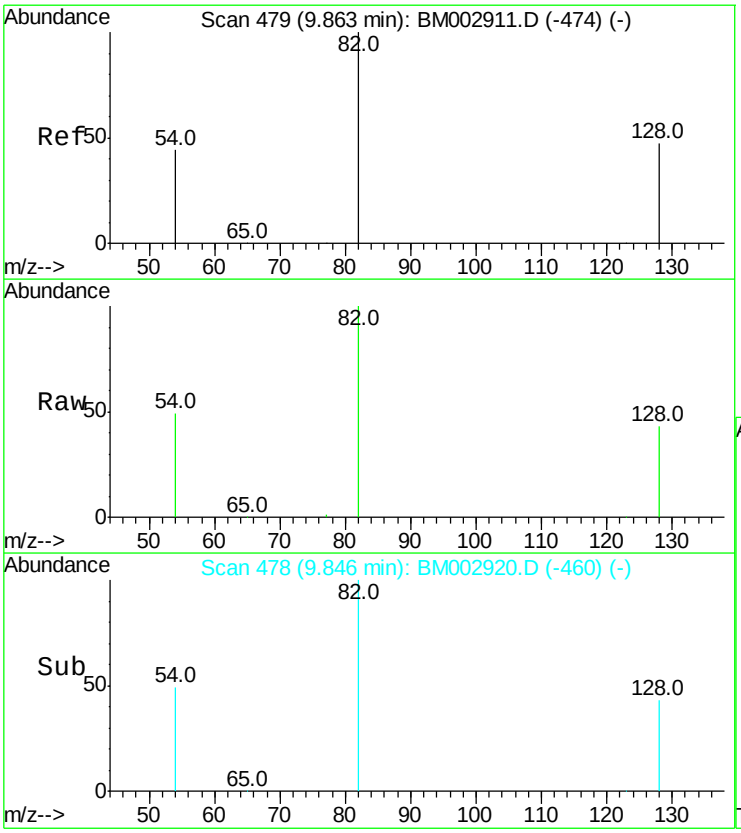
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 11.49 min Scan# 599
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:136 Resp: 399002

Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	9.7	3.5	5.3#
68	8.0	3.3	4.9#

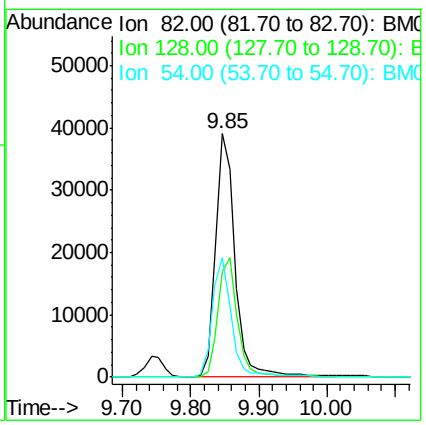


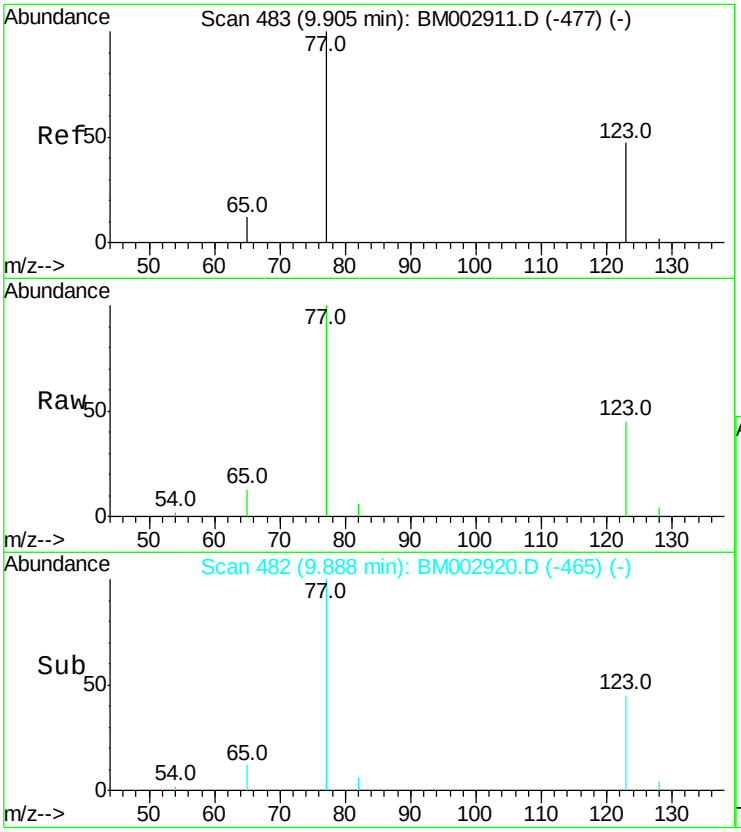


#8
Nitrobenzene-d5
Concen: 3.93 ng
RT: 9.85 min Scan# 478
Delta R.T. -0.02 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion: 82 Resp: 75142

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.1	51.1
54	49.0	42.6	63.8



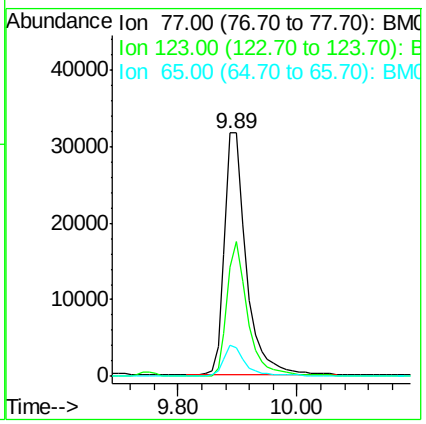


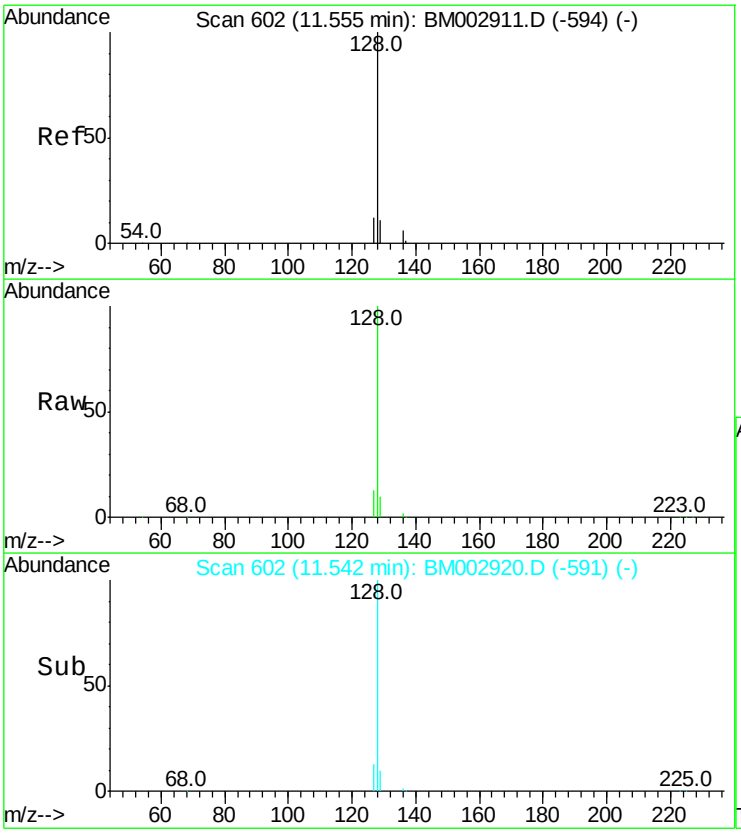
#9
Nitrobenzene
Concen: 3.95 ng
RT: 9.89 min Scan# 482
Delta R.T. -0.03 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion: 77 Resp: 79957

Ion	Ratio	Lower	Upper
77	100		
123	52.1	41.0	61.4
65	12.1	9.7	14.5

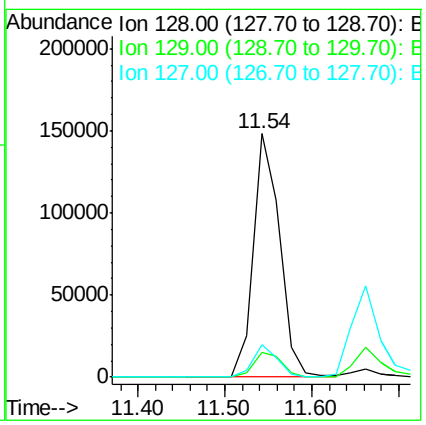


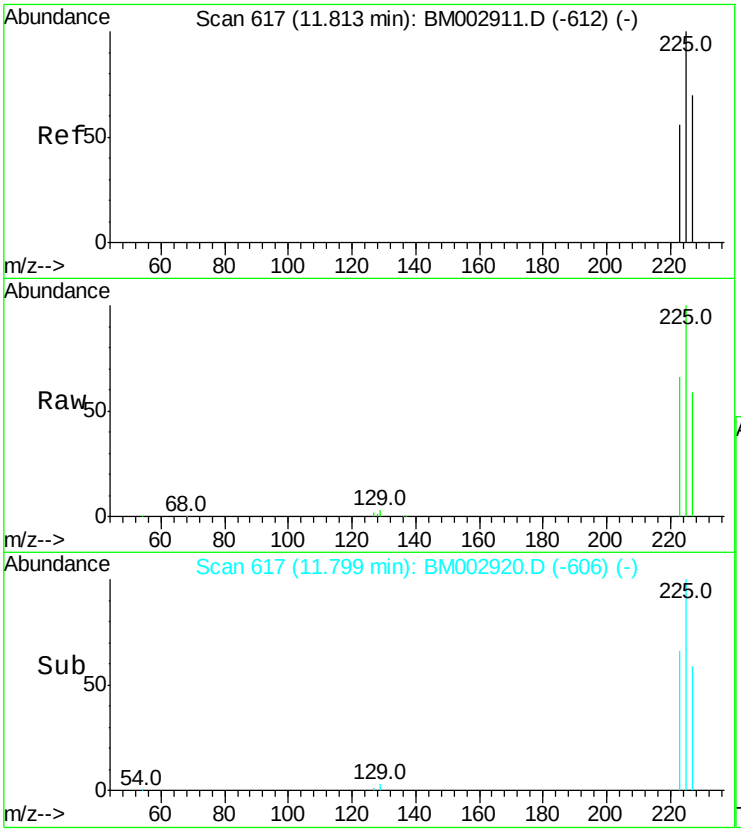


#10
Naphthalene
Concen: 3.53 ng
RT: 11.54 min Scan# 602
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:128 Resp: 313060

Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.4	14.2
127	13.4	9.6	14.4



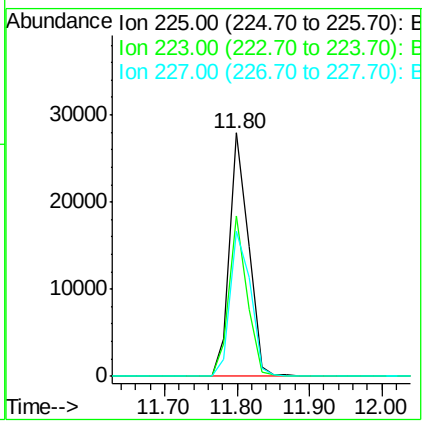


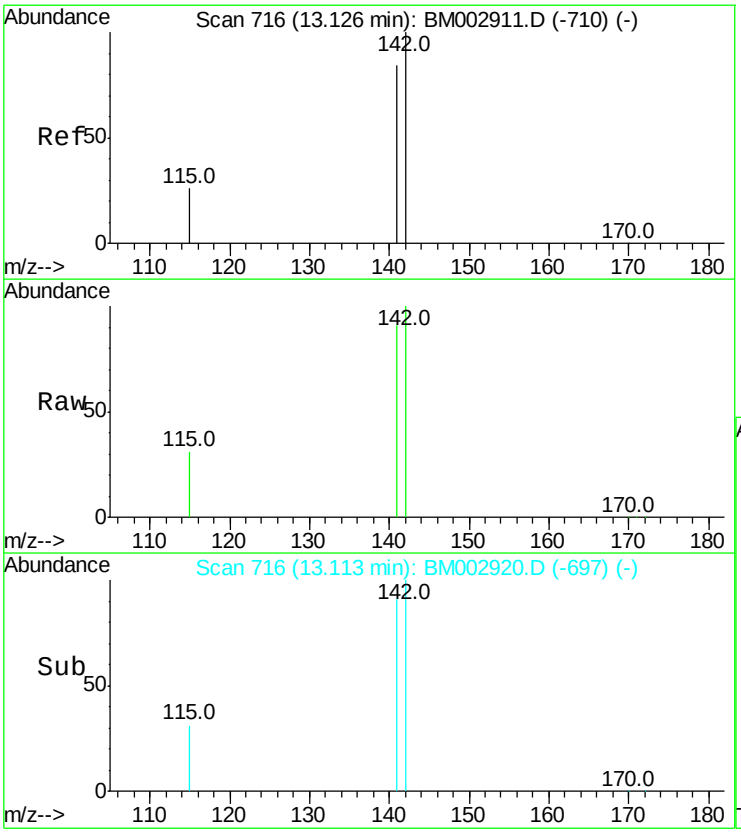
#11
Hexachlorobutadiene
Concen: 3.48 ng
RT: 11.80 min Scan# 617
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:225 Resp: 49673

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.1	75.1
227	64.1	51.2	76.8

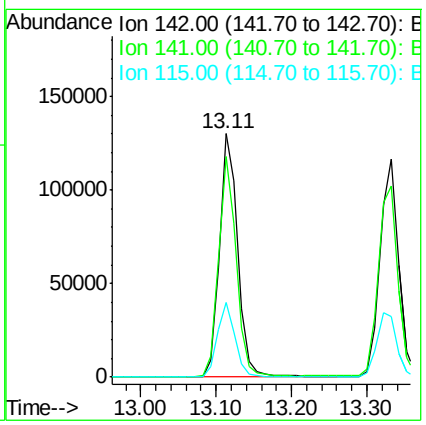


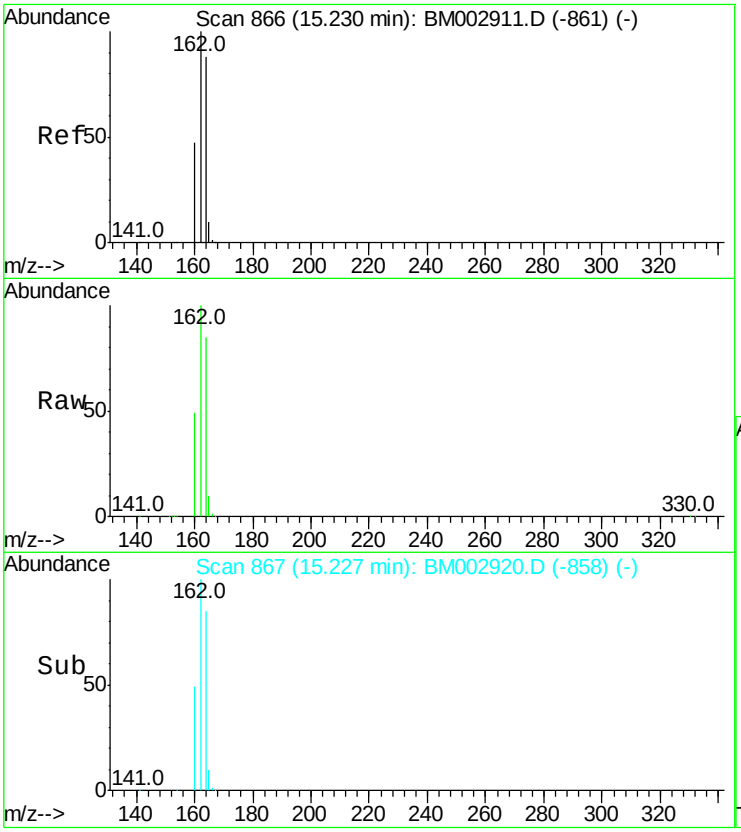


#12
2-Methylnaphthalene
Concen: 3.71 ng
RT: 13.11 min Scan# 716
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:142 Resp: 221714

Ion	Ratio	Lower	Upper
142	100		
141	90.6	69.4	104.0
115	30.6	22.7	34.1



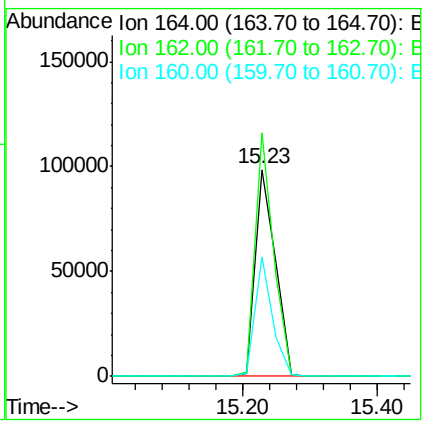


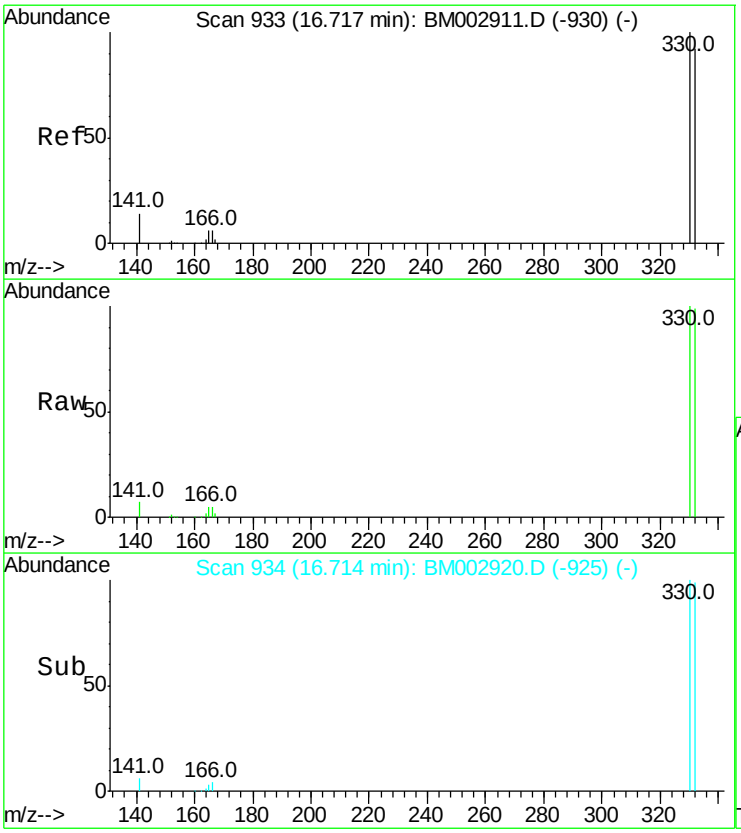
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.23 min Scan# 867
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:164 Resp: 205223

Ion	Ratio	Lower	Upper
164	100		
162	117.9	79.6	119.4
160	57.9	33.1	49.7#

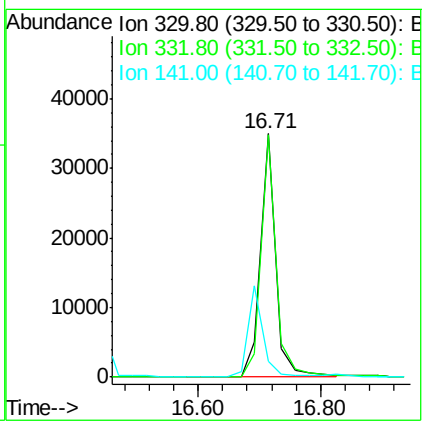


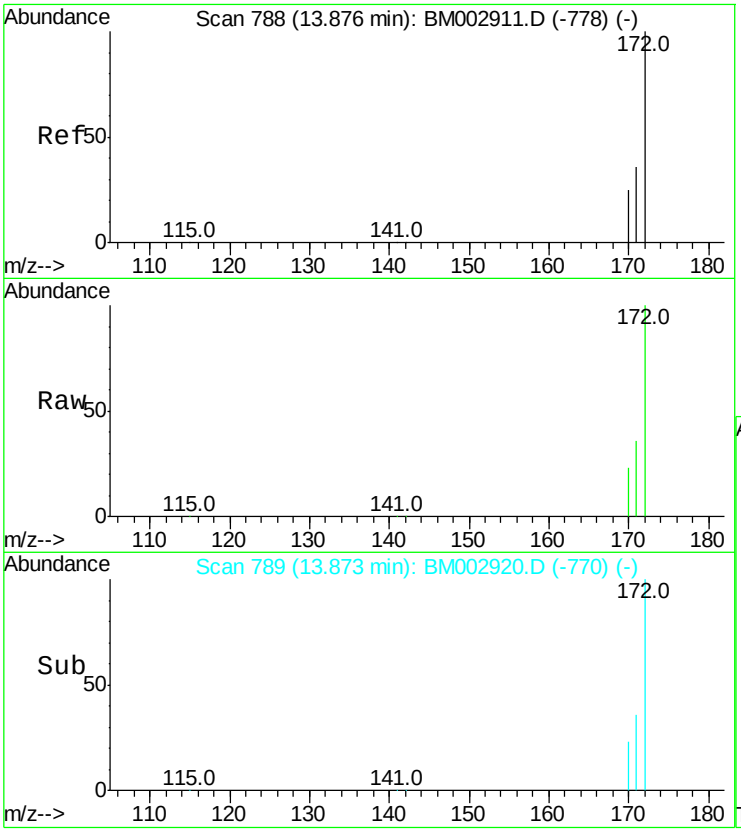


#14
2,4,6-Tribromophenol
Concen: 7.66 ng
RT: 16.71 min Scan# 934
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:330 Resp: 61446

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



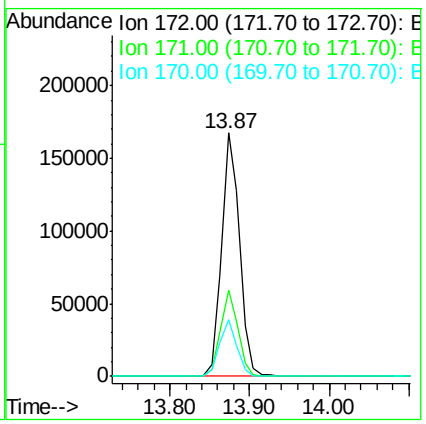


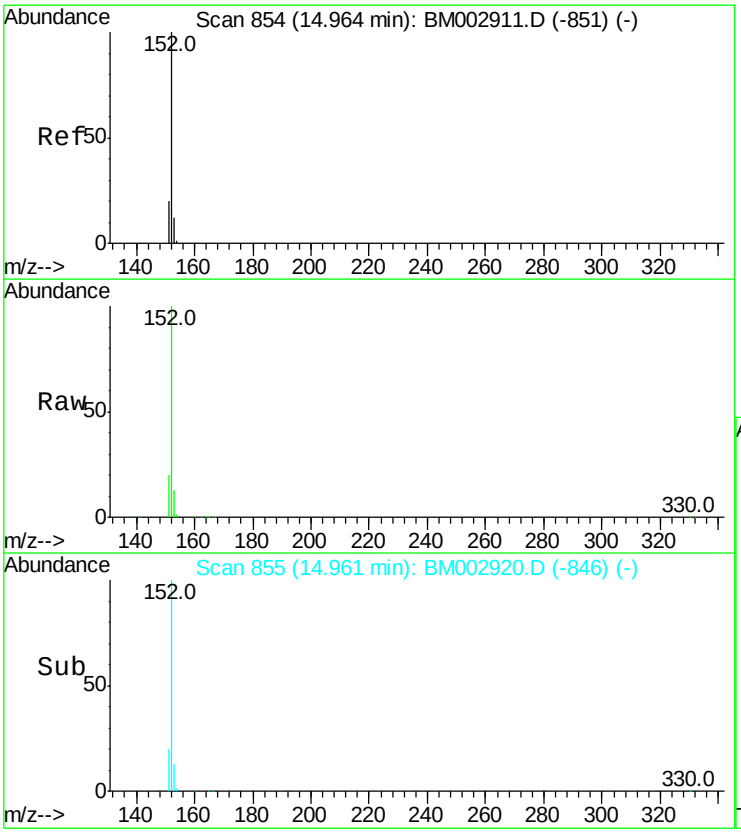
#15
2-Fluorobiphenyl
Concen: 3.96 ng
RT: 13.87 min Scan# 789
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:172 Resp: 260311

Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.1	39.1
170	23.4	15.7	23.5

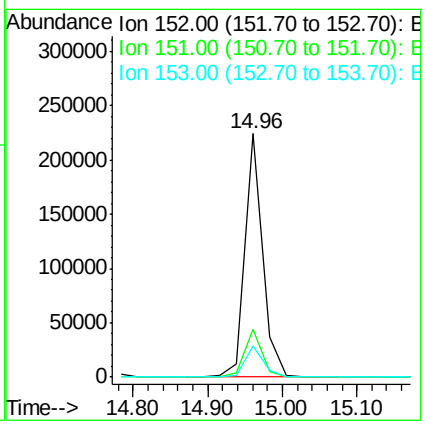


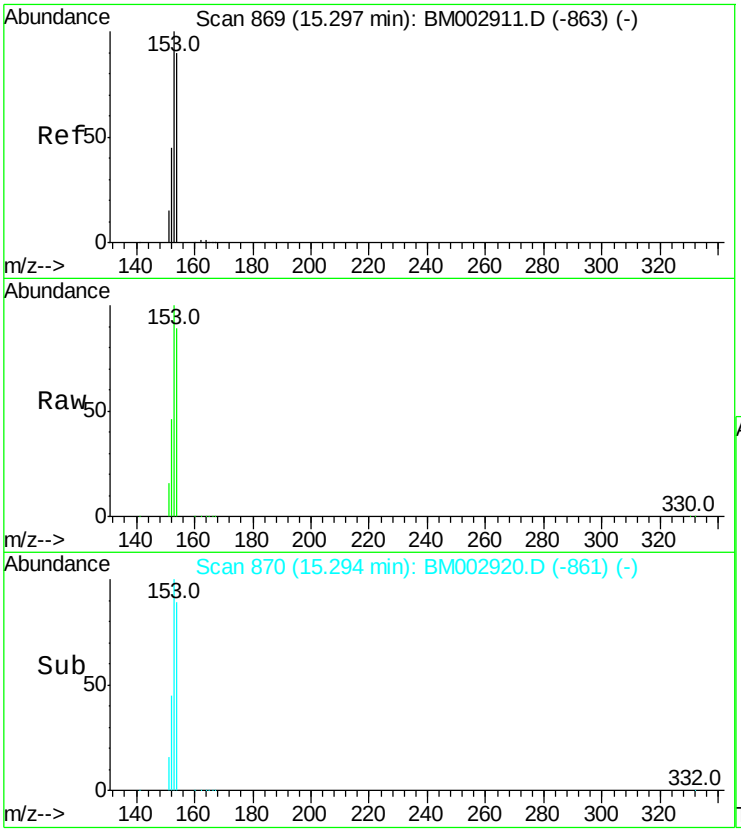


#16
Acenaphthylene
Concen: 4.12 ng
RT: 14.96 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:152 Resp: 369972

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	12.9	10.5	15.7



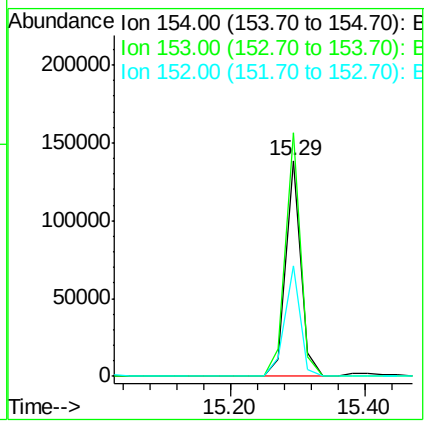


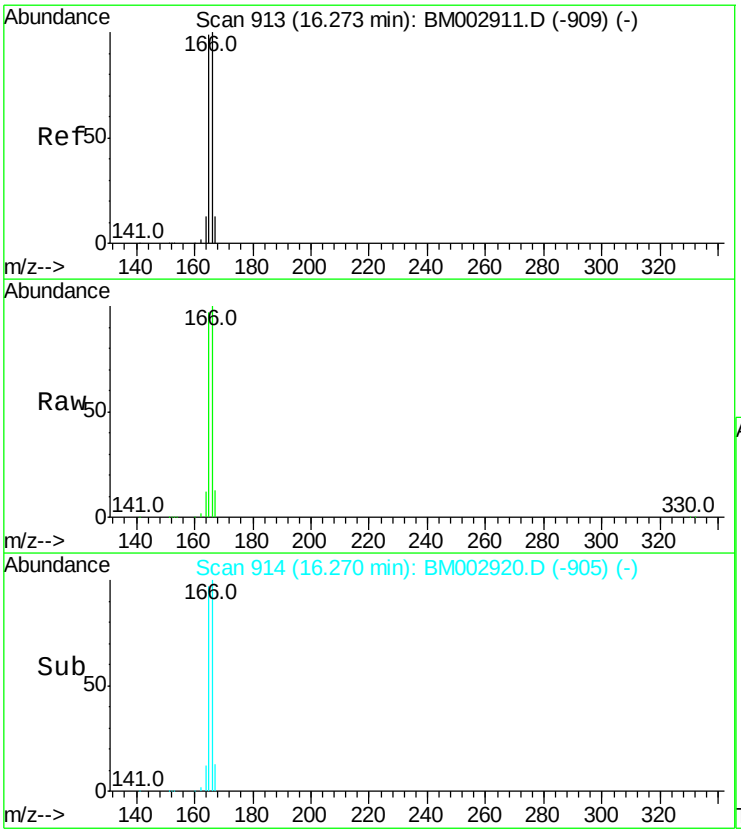
#17
Acenaphthene
Concen: 3.59 ng
RT: 15.29 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:154 Resp: 220594

Ion	Ratio	Lower	Upper
154	100		
153	112.7	0.0	0.0#
152	52.5	0.0	0.0#

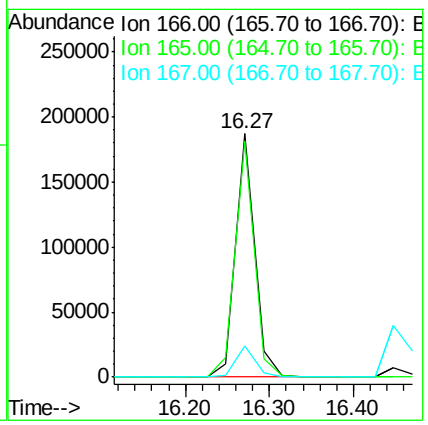


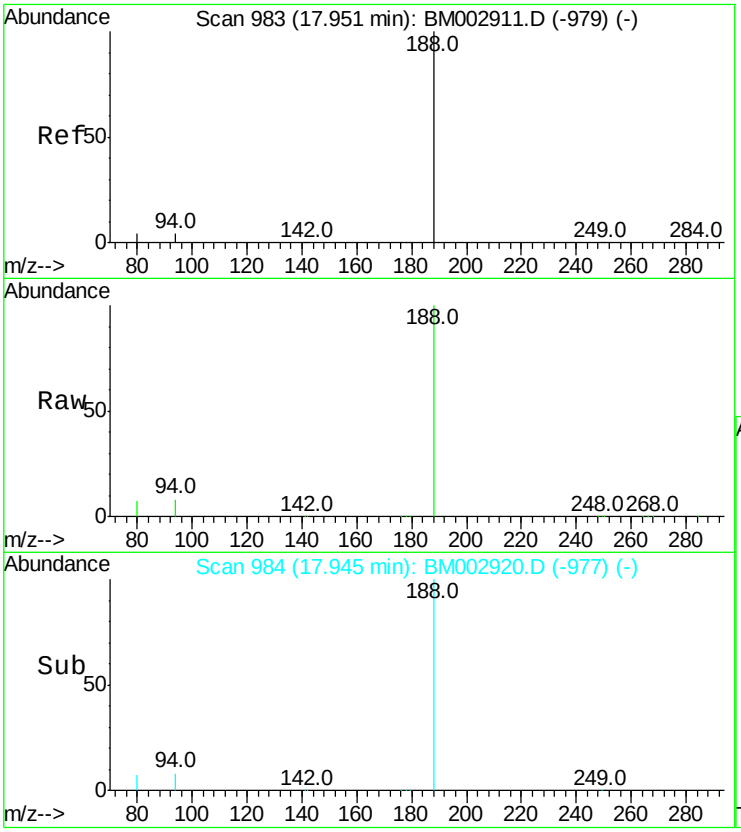


#18
Fluorene
Concen: 3.98 ng
RT: 16.27 min Scan# 914
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:166 Resp: 291682

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.3	115.9
167	13.4	10.9	16.3



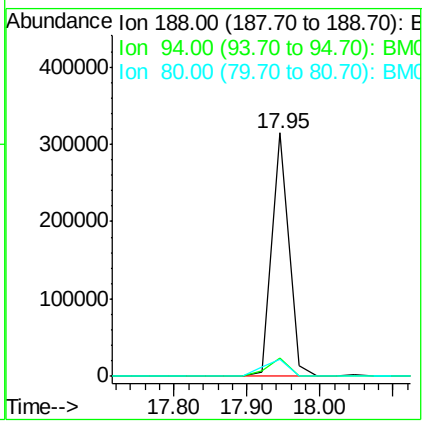


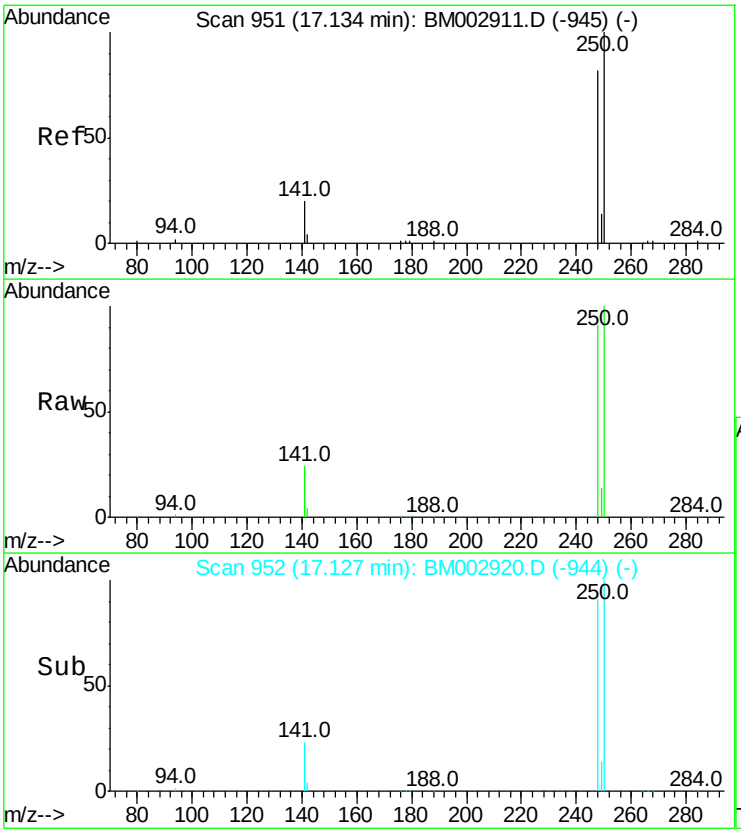
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.95 min Scan# 984
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:188 Resp: 512732

Ion	Ratio	Lower	Upper
188	100		
94	7.6	15.2	22.8#
80	6.9	15.9	23.9#

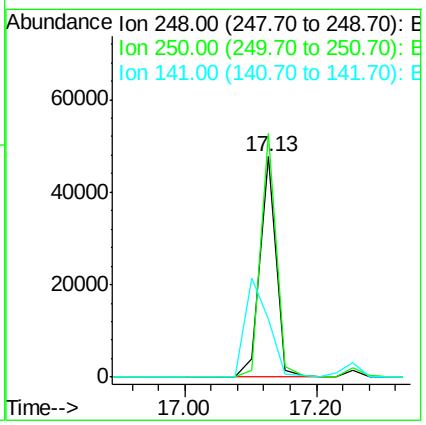


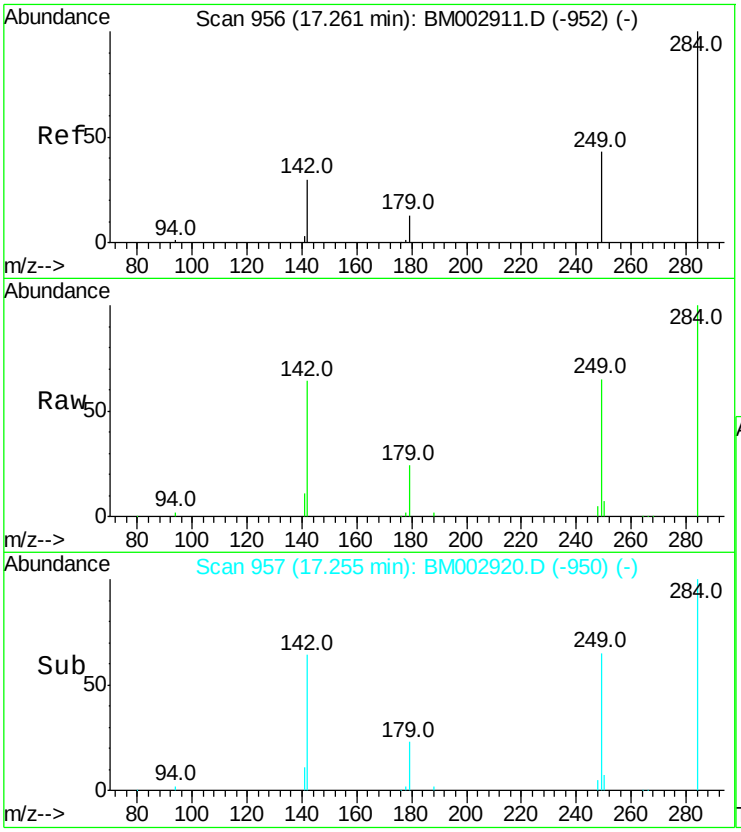


#20
4-Bromophenyl-phenylether
Concen: 3.84 ng
RT: 17.13 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:248 Resp: 81741

Ion	Ratio	Lower	Upper
248	100		
250	106.3	71.4	107.2
141	0.0	54.6	82.0#



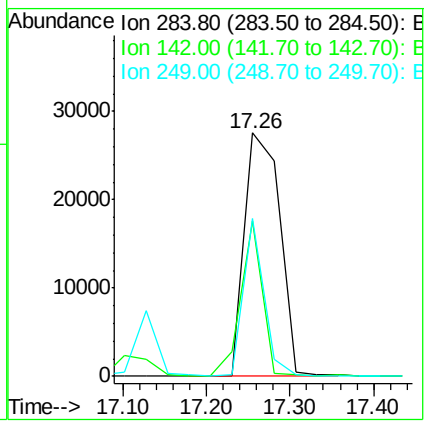


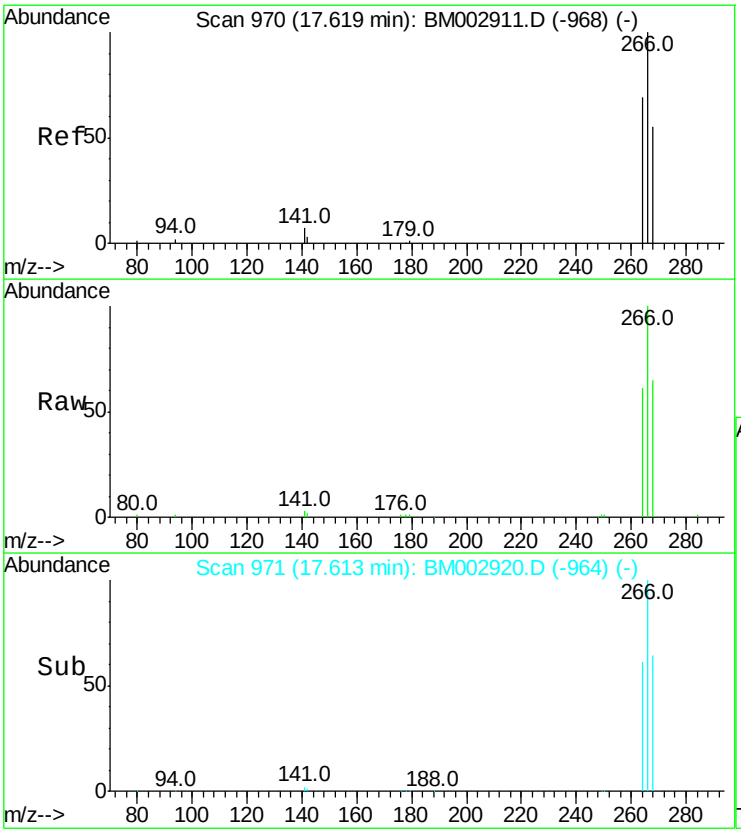
#21
Hexachlorobenzene
Concen: 4.00 ng
RT: 17.26 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:284 Resp: 80609

Ion	Ratio	Lower	Upper
284	100		
142	39.2	0.0	0.0#
249	37.5	20.7	31.1#

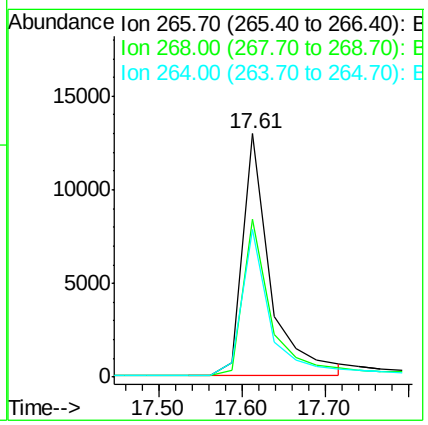


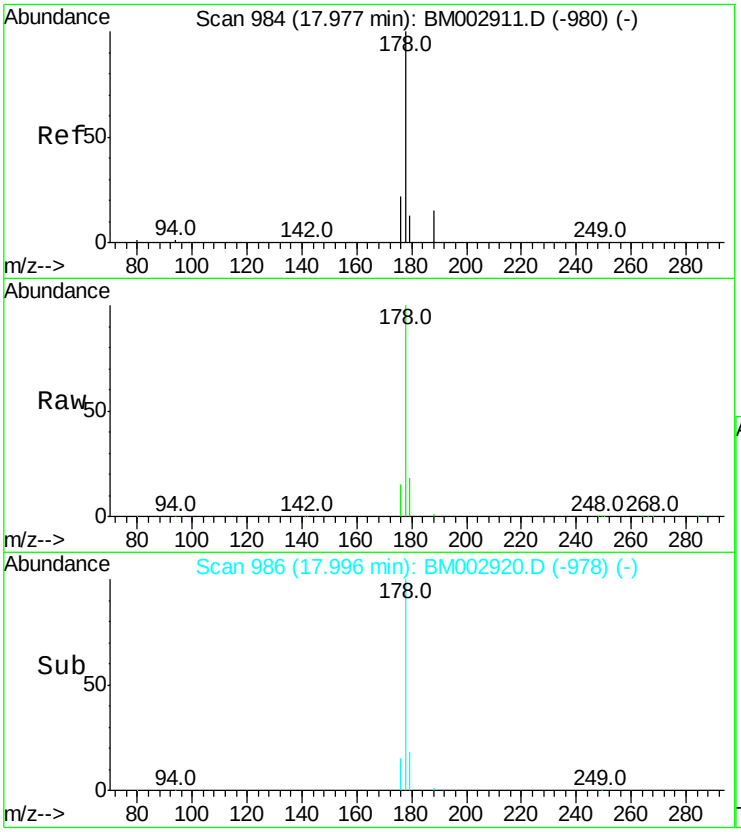


#22
Pentachlorophenol
Concen: 12.53 ng
RT: 17.61 min Scan# 971
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:266 Resp: 30116

Ion	Ratio	Lower	Upper
266	100		
268	64.7	58.3	87.5
264	60.8	54.2	81.2



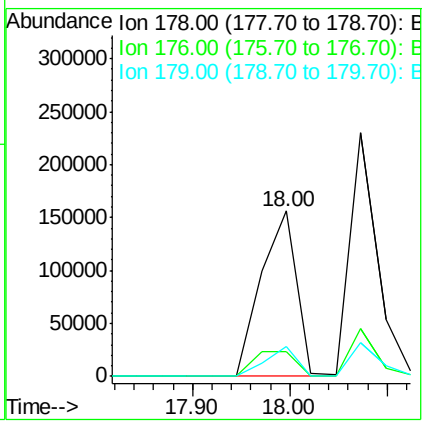


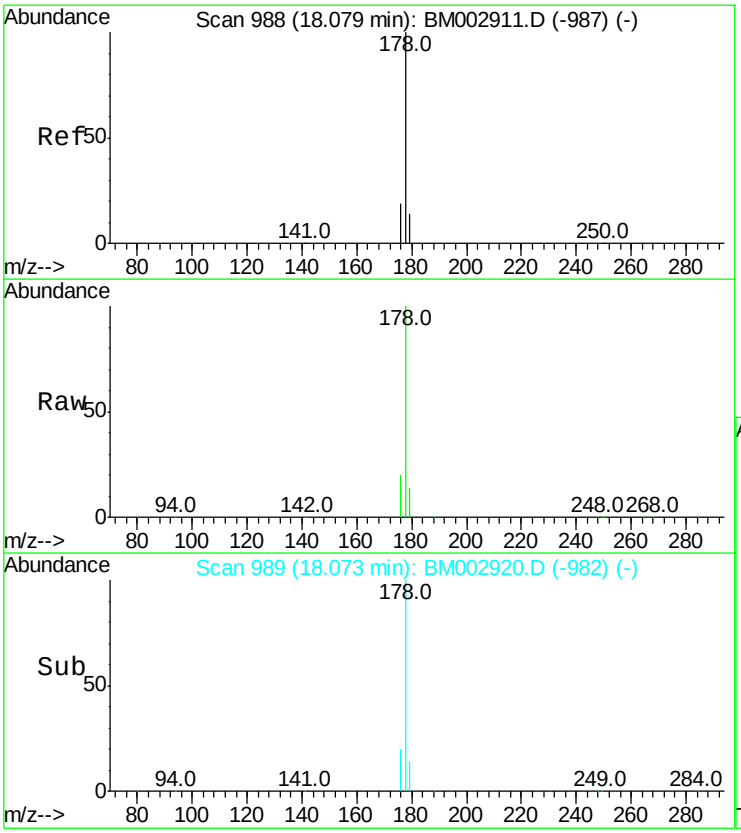
#23
Phenanthrene
Concen: 3.34 ng
RT: 18.00 min Scan# 986
Delta R.T. 0.02 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:178 Resp: 399103

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.6	12.5	18.7

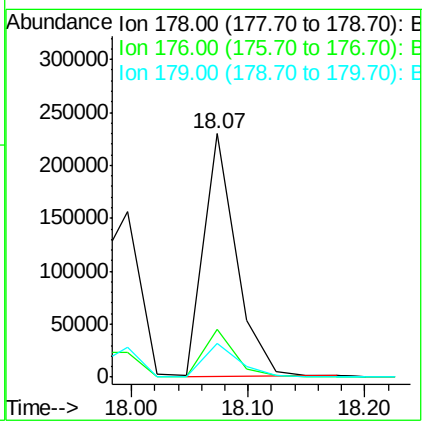


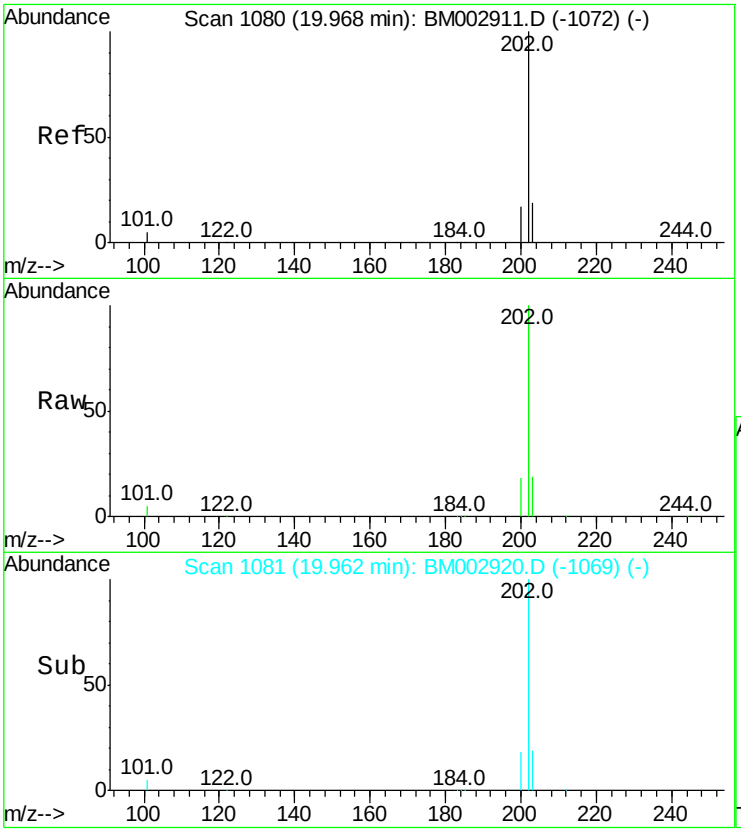


#24
Anthracene
Concen: 3.87 ng
RT: 18.07 min Scan# 989
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:178 Resp: 440862

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



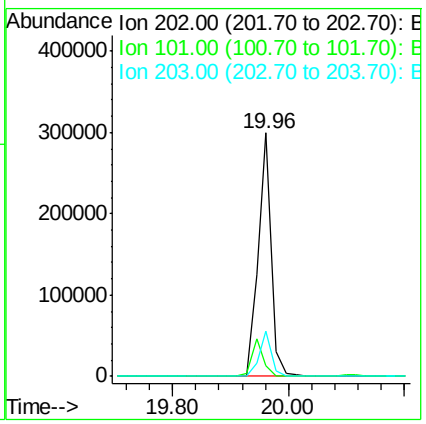


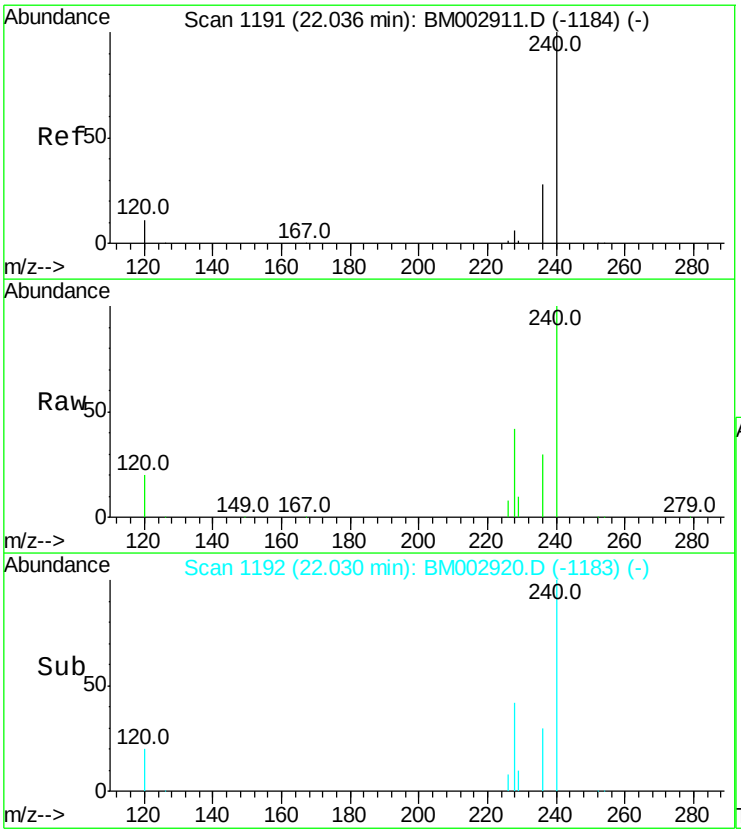
#25
Fluoranthene
Concen: 3.61 ng
RT: 19.96 min Scan# 1081
Delta R.T. 0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:202 Resp: 476827

Ion	Ratio	Lower	Upper
202	100		
101	14.0	11.0	16.6
203	17.6	13.8	20.6

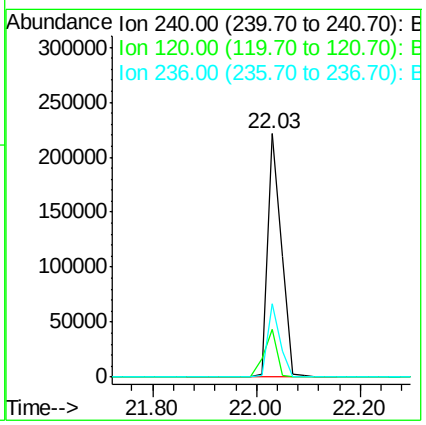


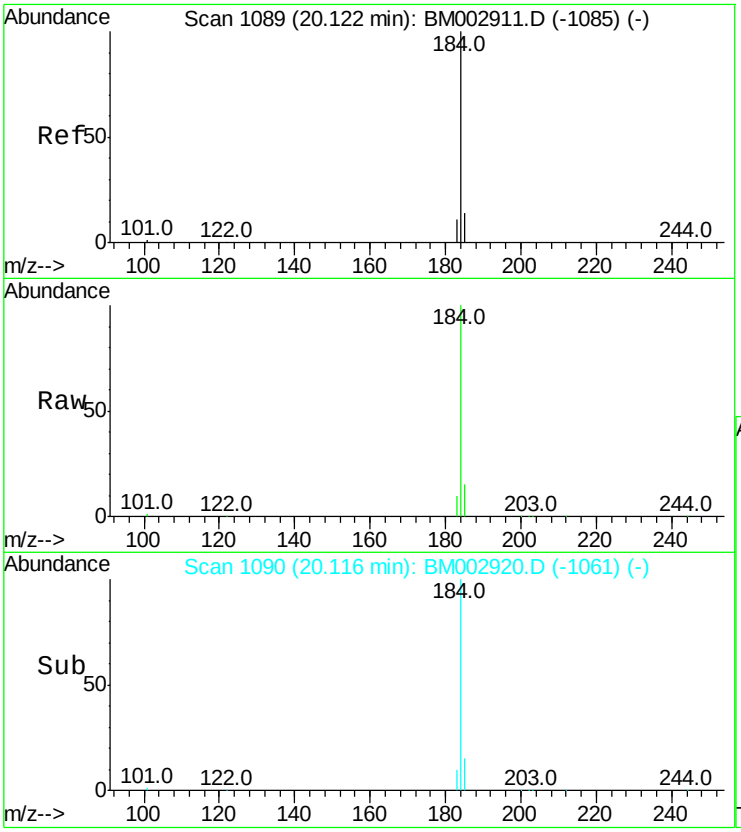


#26
Chrysene-d12
Concen: 5.00 ng
RT: 22.03 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:240 Resp: 416083

Ion	Ratio	Lower	Upper
240	100		
120	19.9	3.3	4.9#
236	30.4	19.5	29.3#



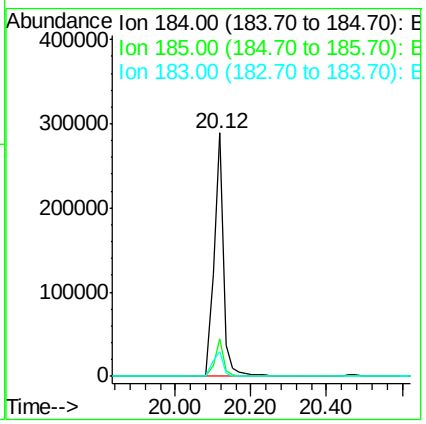


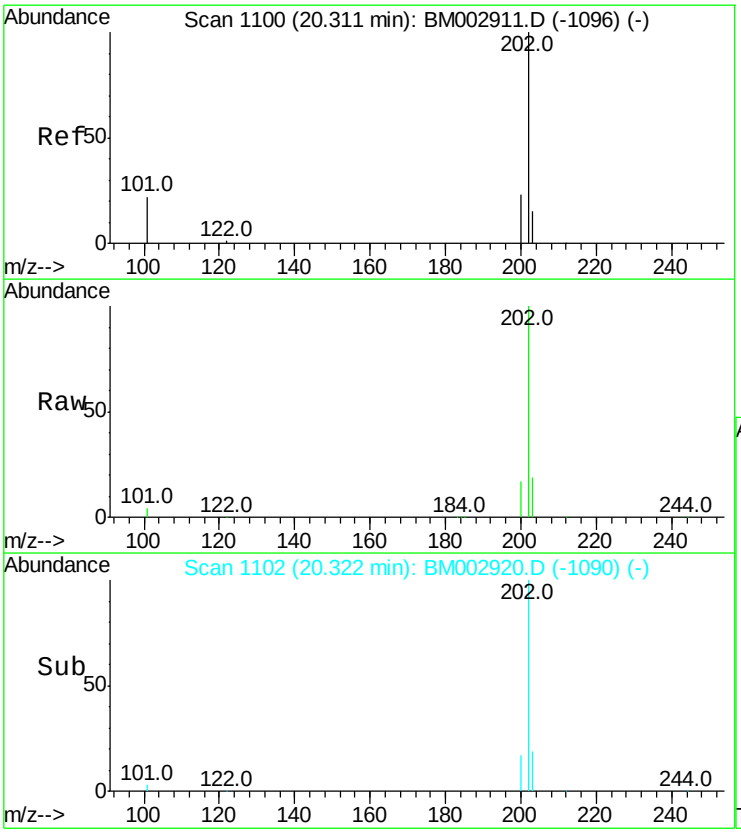
#27
Benzidine
Concen: 7.97 ng
RT: 20.12 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:184 Resp: 490284

Ion	Ratio	Lower	Upper
184	100		
185	15.4	12.0	18.0
183	10.0	8.9	13.3

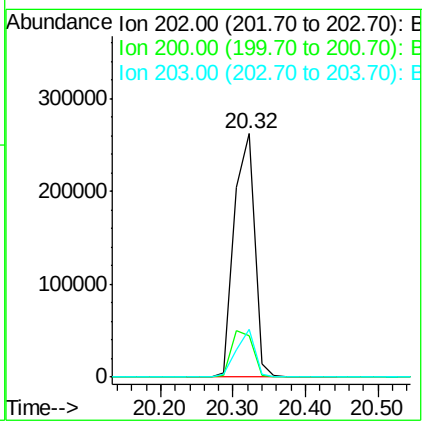


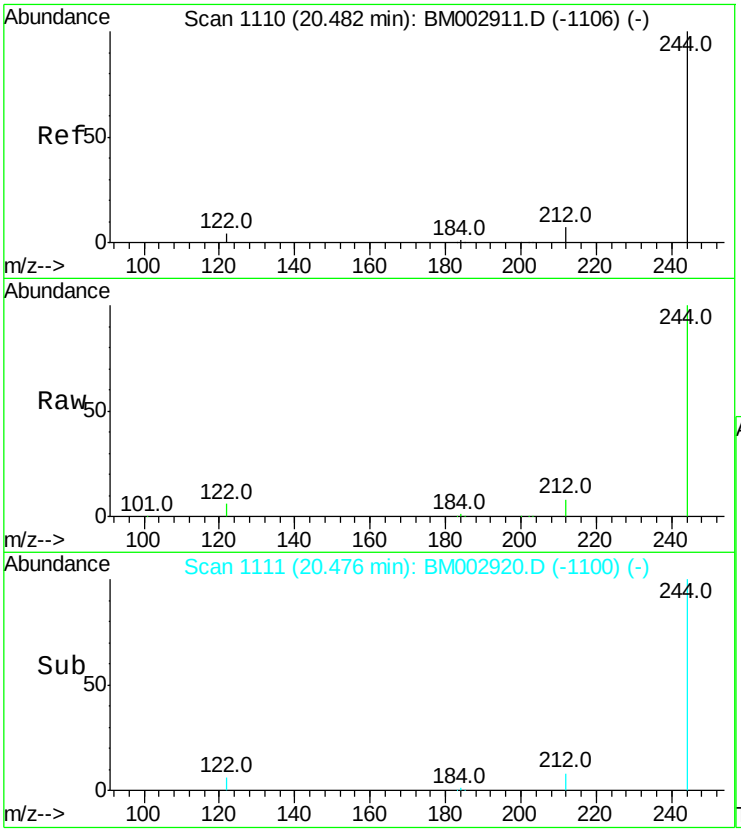


#28
Pyrene
Concen: 4.09 ng
RT: 20.32 min Scan# 1102
Delta R.T. 0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:202 Resp: 502269

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.9	13.8	20.8



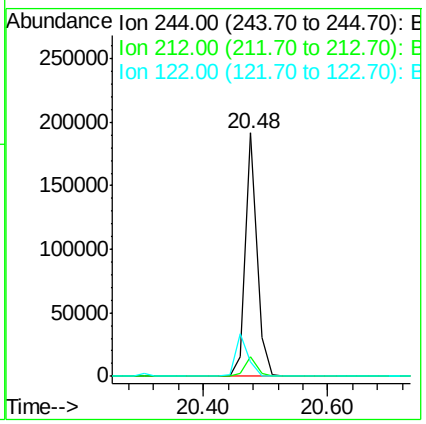


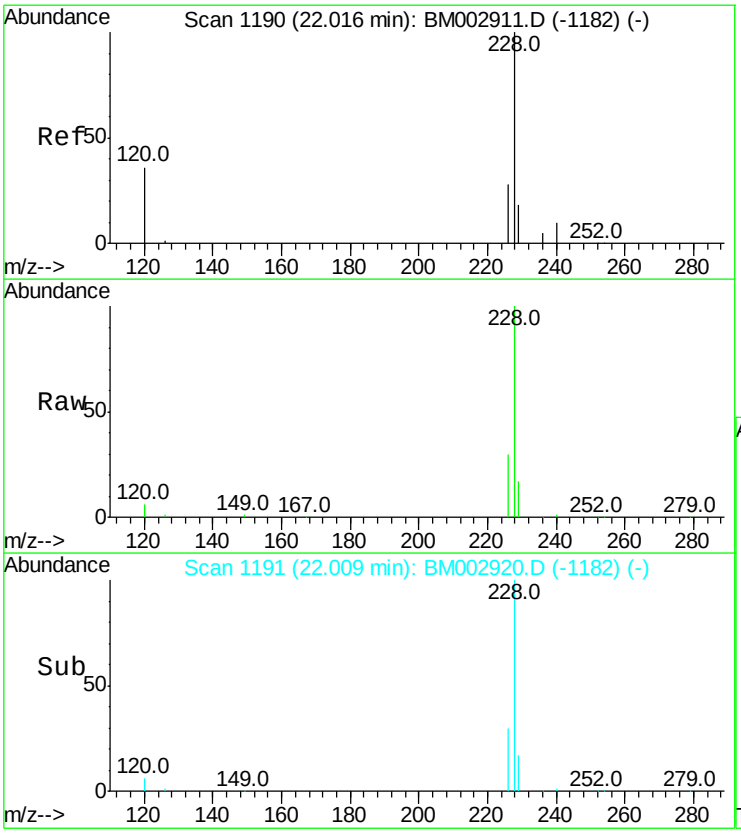
#29
Terphenyl-d14
Concen: 3.99 ng
RT: 20.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:244 Resp: 248358

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.6	8.4
122	6.2	2.2	3.2#

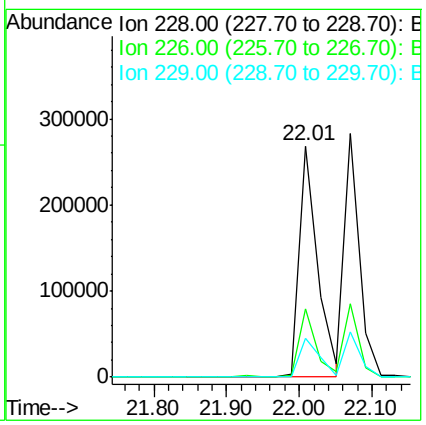


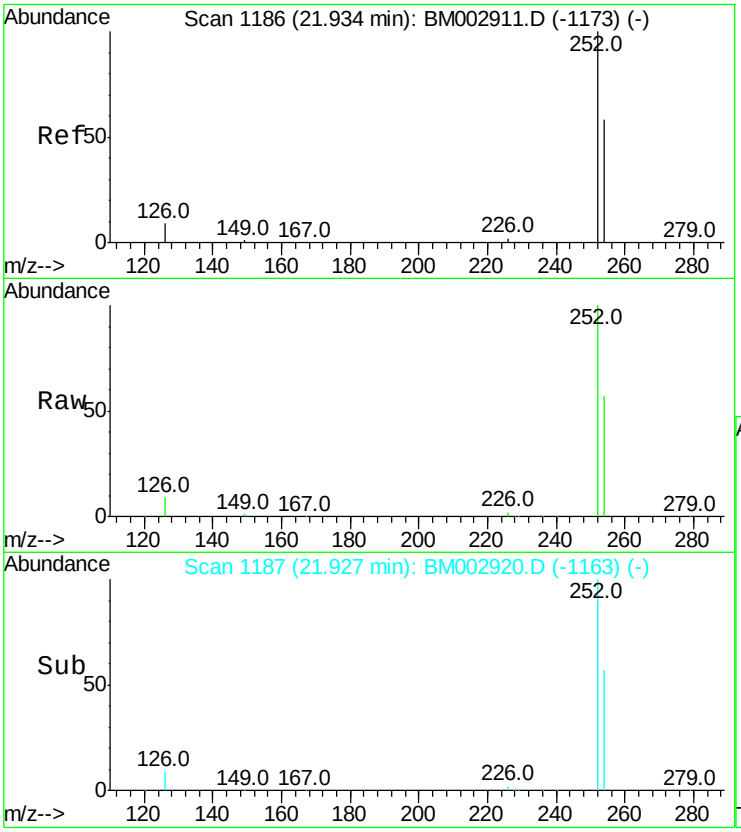


#30
Benzo(a)anthracene
Concen: 3.89 ng
RT: 22.01 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:228 Resp: 467715

Ion	Ratio	Lower	Upper
228	100		
226	29.7	19.0	28.6#
229	16.9	16.8	25.2



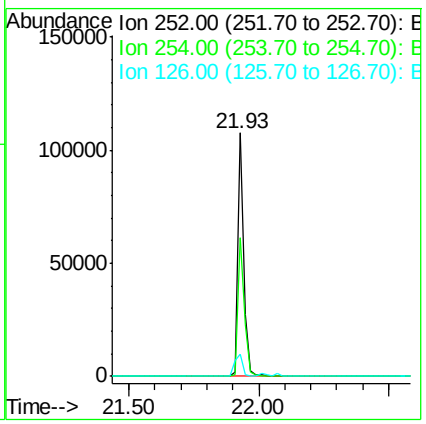


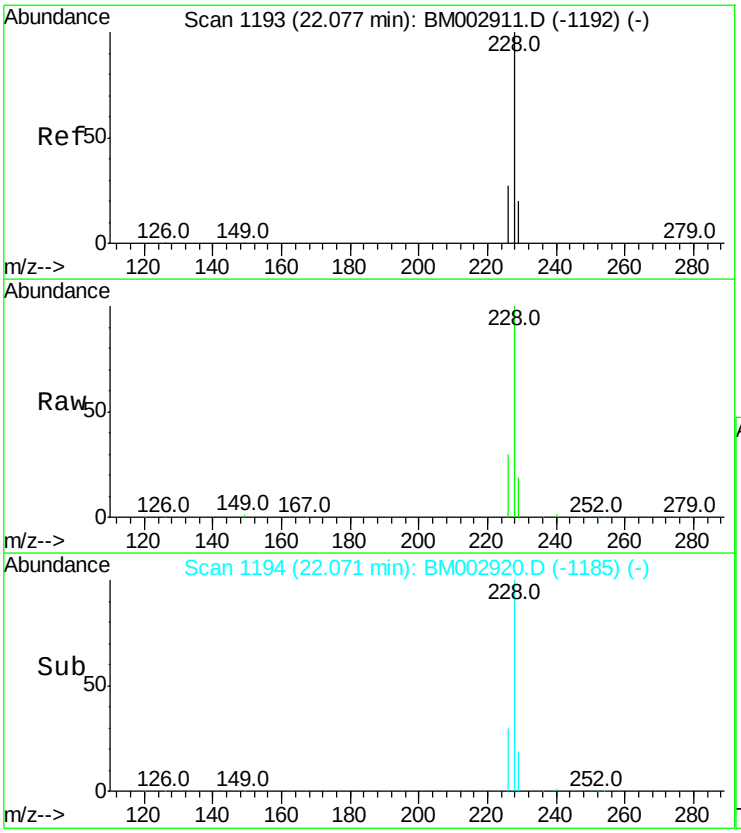
#31
3,3'-Dichlorobenzidine
Concen: 4.29 ng
RT: 21.93 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:252 Resp: 174579

Ion	Ratio	Lower	Upper
252	100		
254	57.0	54.1	81.1
126	9.0	4.1	6.1#

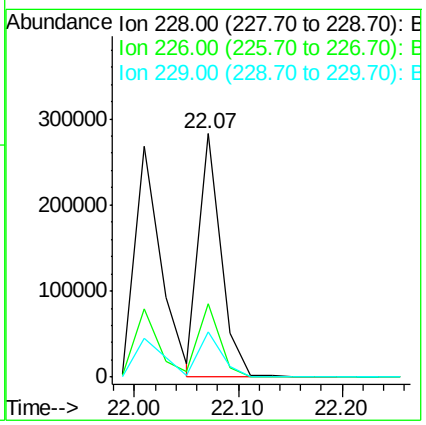


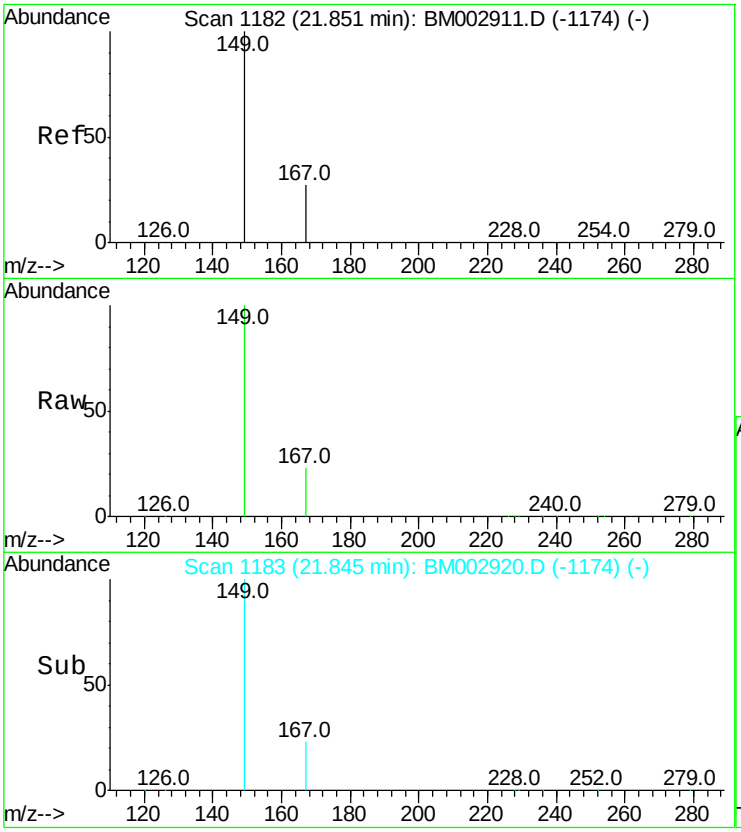


#32
Chrysene
Concen: 3.68 ng
RT: 22.07 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:228 Resp: 413380

Ion	Ratio	Lower	Upper
228	100		
226	30.2	20.6	30.8
229	18.6	17.4	26.2



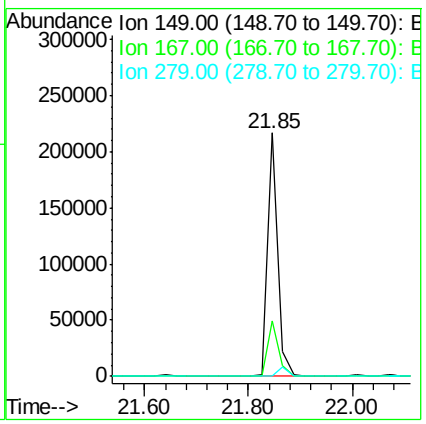


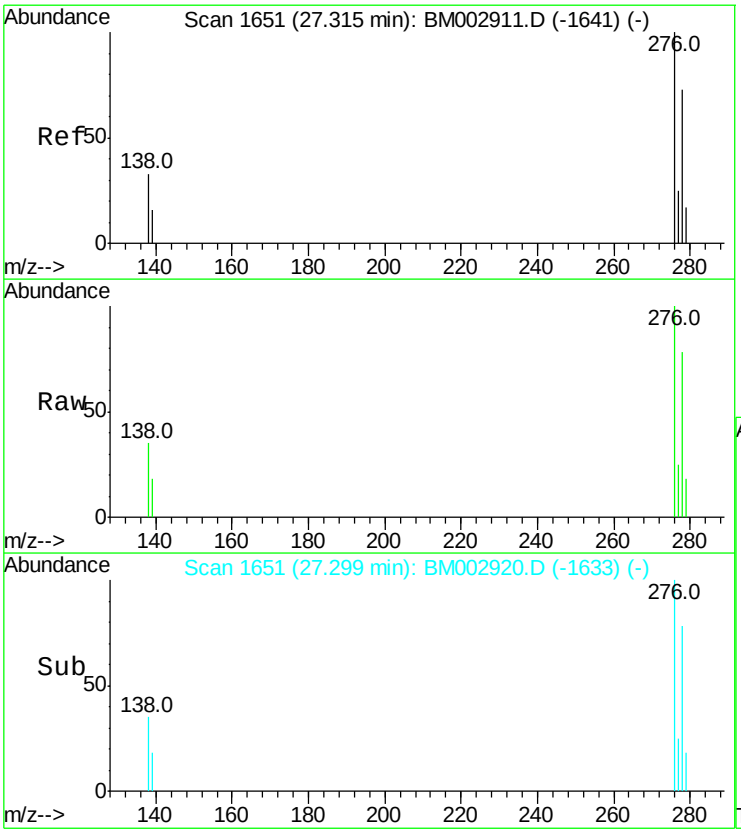
#33
Bis(2-ethylhexyl)phthalate
Concen: 3.29 ng
RT: 21.85 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:149 Resp: 295687

Ion	Ratio	Lower	Upper
149	100		
167	24.7	17.2	25.8
279	0.0	2.2	3.4#

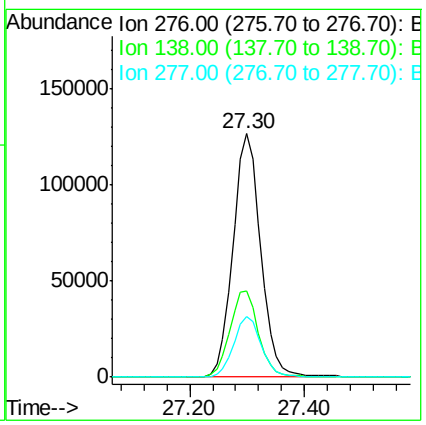


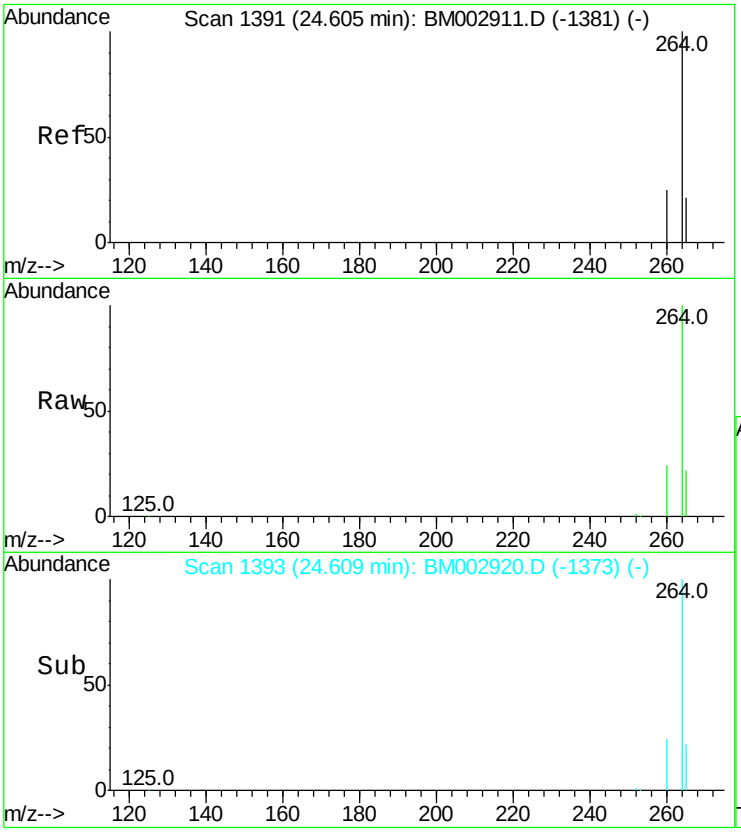


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng
RT: 27.30 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:276 Resp: 425004

Ion	Ratio	Lower	Upper
276	100		
138	36.4	29.0	43.6
277	24.8	19.8	29.8



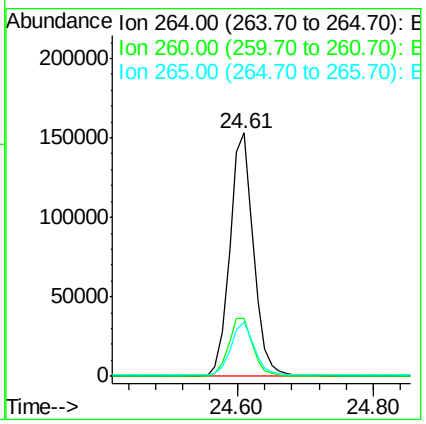


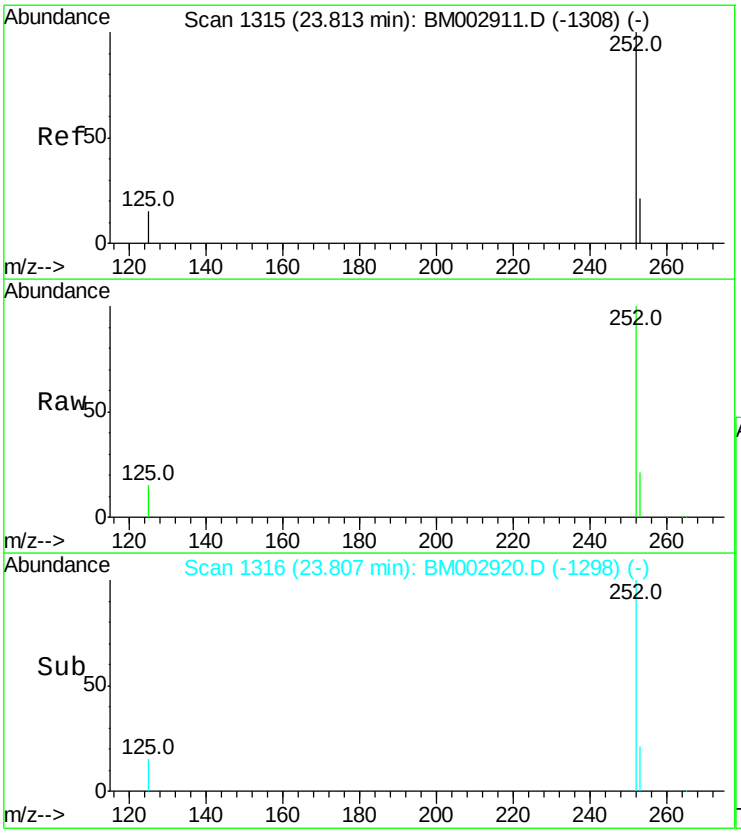
#35
Perylene-d12
Concen: 5.00 ng
RT: 24.61 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:264 Resp: 369443

Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.1	30.1
265	22.2	17.6	26.4

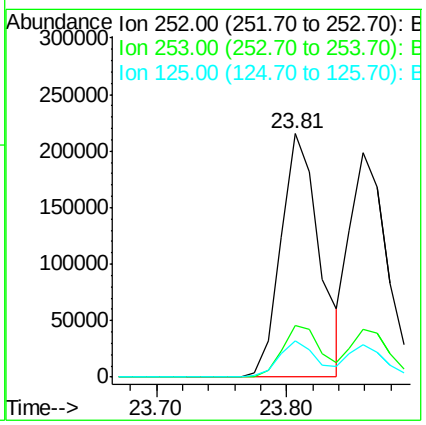


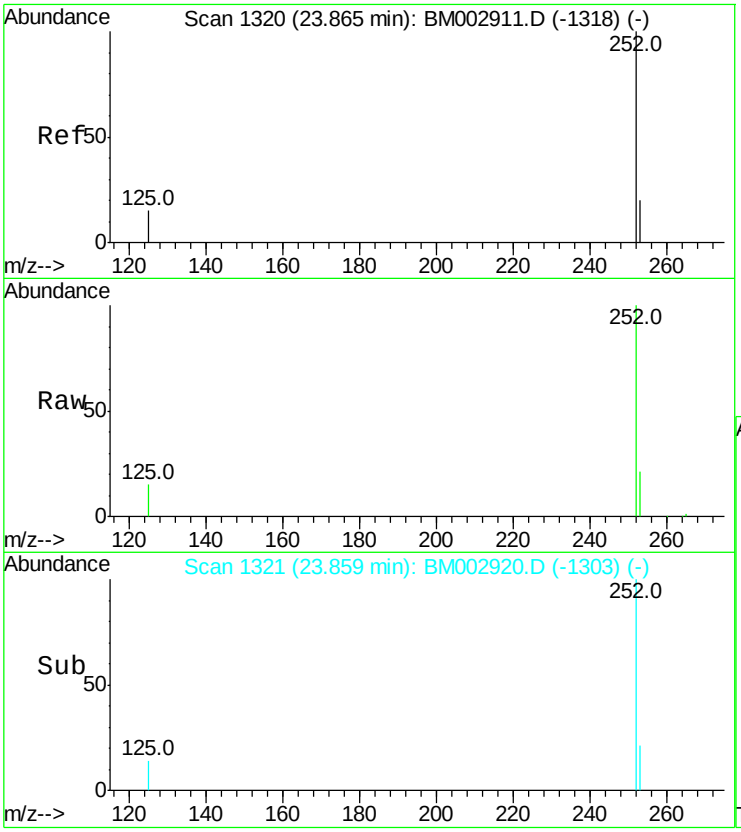


#36
Benzo(b)fluoranthene
Concen: 4.15 ng
RT: 23.81 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:252 Resp: 439555

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	14.7	12.4	18.6



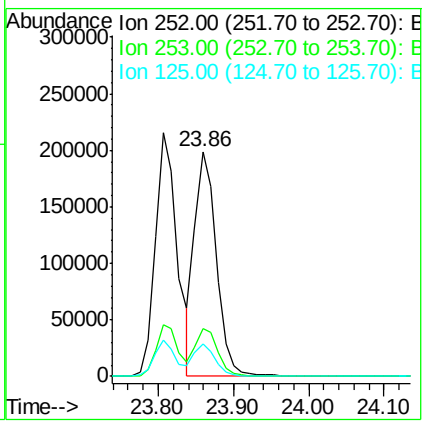


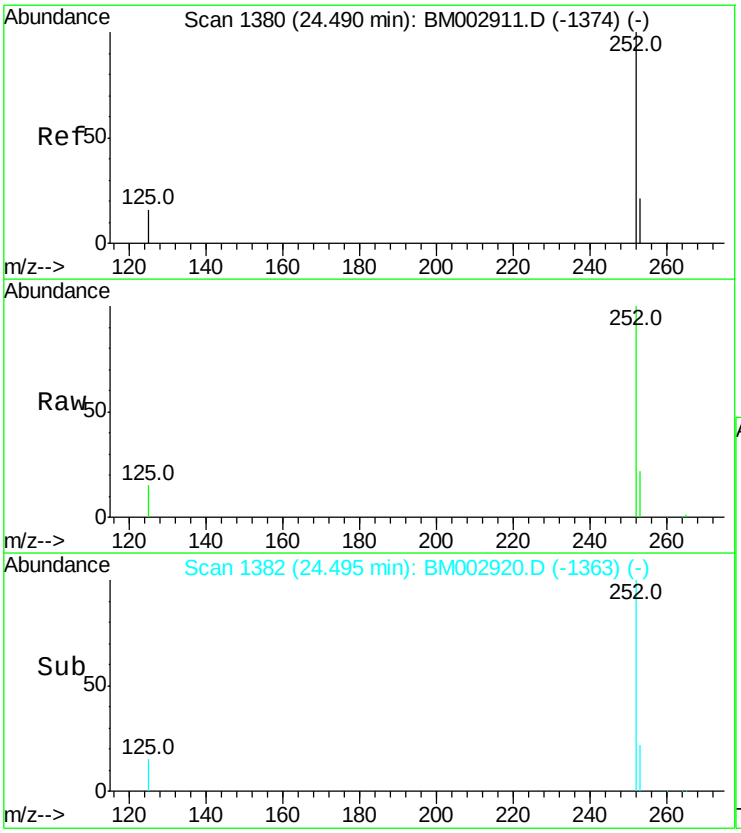
#37
Benzo(k)fluoranthene
Concen: 3.77 ng
RT: 23.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:252 Resp: 391532

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	14.5	12.3	18.5

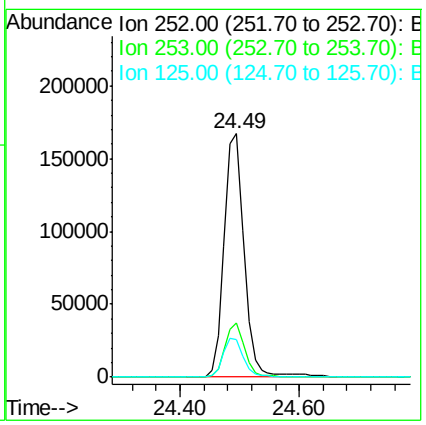


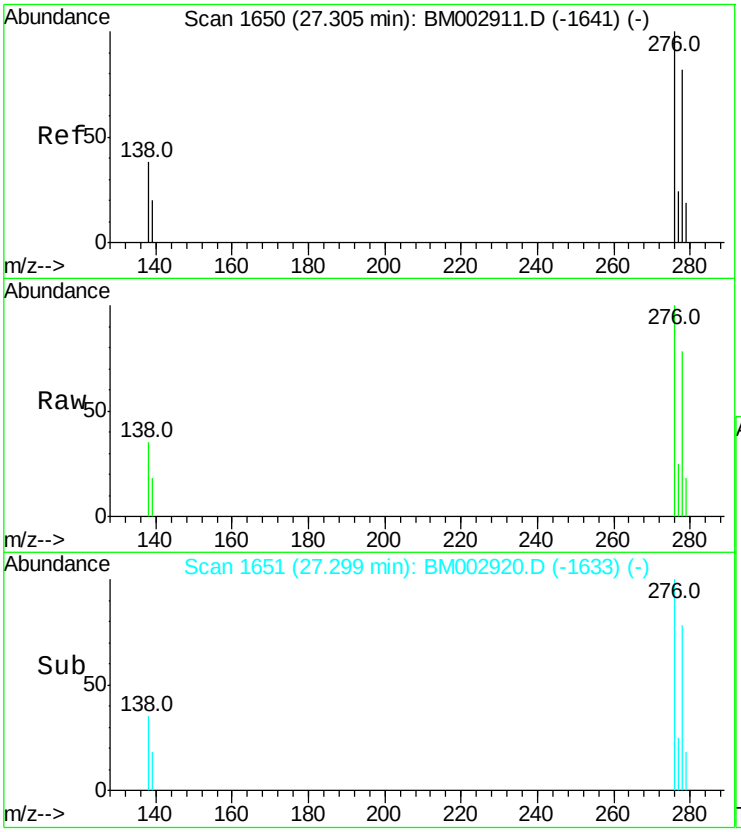


#38
Benzo(a)pyrene
Concen: 4.13 ng
RT: 24.49 min Scan# 1382
Delta R.T. -0.00 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:252 Resp: 387253

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	15.2	13.3	19.9



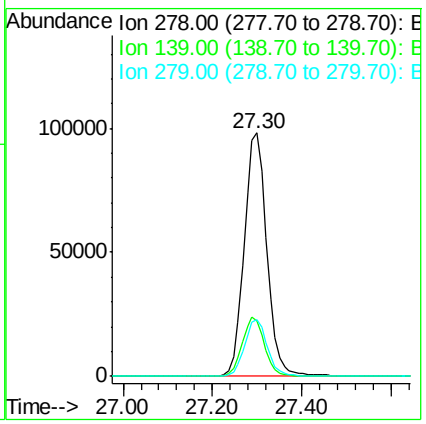


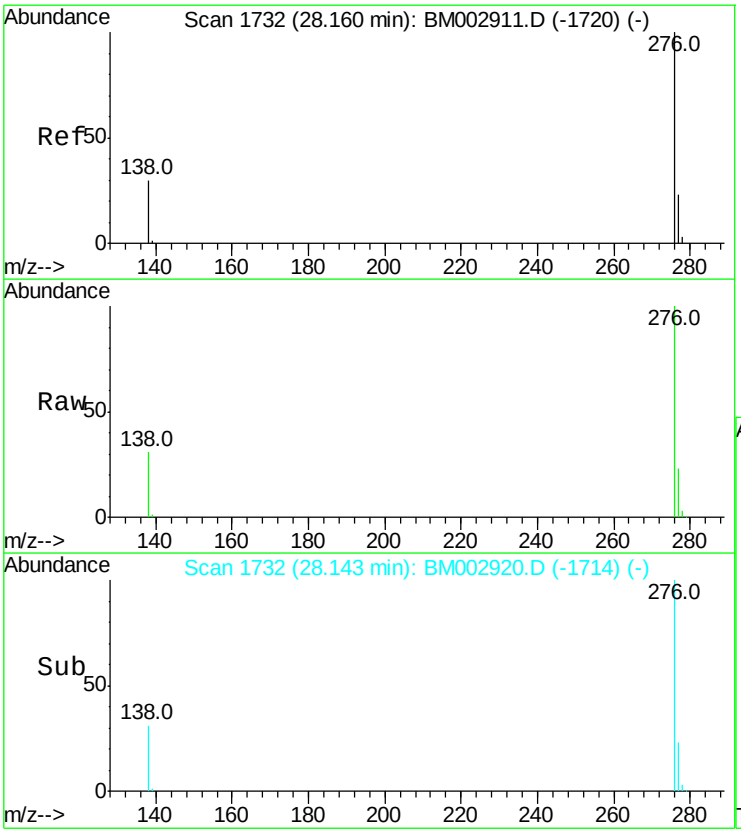
#39
Dibenzo(a,h)anthracene
Concen: 3.84 ng
RT: 27.30 min Scan# 1651
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Instrument :
BNA_M
ClientSampleId :
PB86101BS

Tgt Ion:278 Resp: 344303

Ion	Ratio	Lower	Upper
278	100		
139	22.8	19.8	29.6
279	23.5	19.1	28.7





#40
Benzo(g,h,i)perylene
Concen: 3.78 ng
RT: 28.14 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM002920.D
Acq: 15 Oct 2015 18:45

Tgt Ion:276 Resp: 354829

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.4	29.0
138	30.9	24.4	36.6