Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122915\
Data File : BM003830.D
Acq On : 28 Dec 2015 16:08
Operator : UM/SJ
Sample : PB87573BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : PB87573BS

Quant Time: Dec 29 01:24:30 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 10:08:49 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	247189	5.00	ng		0.00
7) Naphthalene-d8	10.48	136	997654	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	501787	5.00	ng		0.00
19) Phenanthrene-d10	17.09	188	827382	5.00	ng		0.03
26) Chrysene-d12	21.29	240	717663	5.00	ng		0.00
35) Perylene-d12	23.53	264	574949	5.00	ng		0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	1846382	31.61	ng		0.02
5) Phenol-d6	6.87	99	2245887	31.40	ng		0.00
8) Nitrobenzene-d5	8.85	82	1327659	25.11	ng		0.00
14) 2,4,6-Tribromophenol	15.84	330	521157	32.56	ng		0.00
15) 2-Fluorobiphenyl	12.95	172	3109984	20.26	ng		0.00
29) Terphenyl-d14	19.72	244	1811109	16.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	154223	6.87	ng		94
3) n-Nitrosodimethylamine	3.48	42	259262	9.85	ng		96
6) bis(2-Chloroethyl)ether	7.11	93	616994	9.70	ng		100
9) Nitrobenzene	8.89	77	705573	11.75	ng		93
10) Naphthalene	10.51	128	2157503	9.47	ng		100
11) Hexachlorobutadiene	10.80	225	360495	10.25	ng		100
12) 2-Methylnaphthalene	12.14	142	1522946	10.01	ng		97
16) Acenaphthylene	14.04	152	2359728	10.33	ng		99
17) Acenaphthene	14.39	154	1454932	10.20	ng		99
18) Fluorene	15.39	166	1652162	9.88	ng		100
20) 4-Bromophenyl-phenylether	16.27	248	545531	10.12	ng		97
21) Hexachlorobenzene	16.40	284	513995	10.32	ng	#	98
22) Pentachlorophenol	16.73	266	427741	23.48	ng	#	68
23) Phenanthrene	17.11	178	2662104	9.40	ng		98
24) Anthracene	17.22	178	2236346	10.84	ng		99
25) Fluoranthene	19.14	202	2495191	9.31	ng		98
27) Benzidine	19.71	184	50815	1.12	ng		95
28) Pyrene	19.52	202	2587923	10.93	ng		98
30) Benzo(a)anthracene	21.27	228	3821887	17.79	ng	#	93
31) 3,3'-Dichlorobenzidine	21.21	252	786450	10.46	ng		93
32) Chrysene	21.27	228	3825343	20.04	ng		92
33) Bis(2-ethylhexyl)phthalate	21.19	149	2074131	12.89	ng	#	98
34) Indeno(1,2,3-cd)pyrene	25.79	276	1904430	12.55	ng		98
36) Benzo(b)fluoranthene	22.85	252	1801991	9.59	ng		95
37) Benzo(k)fluoranthene	22.90	252	1760051	10.16	ng		99
38) Benzo(a)pyrene	23.42	252	1759871	10.94	ng		96
39) Dibenzo(a,h)anthracene	25.80	278	1536102	12.18	ng		97
40) Benzo(g,h,i)perylene	26.48	276	1673825	12.68	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122915\
Data File : BM003830.D
Acq On : 28 Dec 2015 16:08
Operator : UM/SJ
Sample : PB87573BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Time: Dec 29 01:24:30 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 10:08:49 2015
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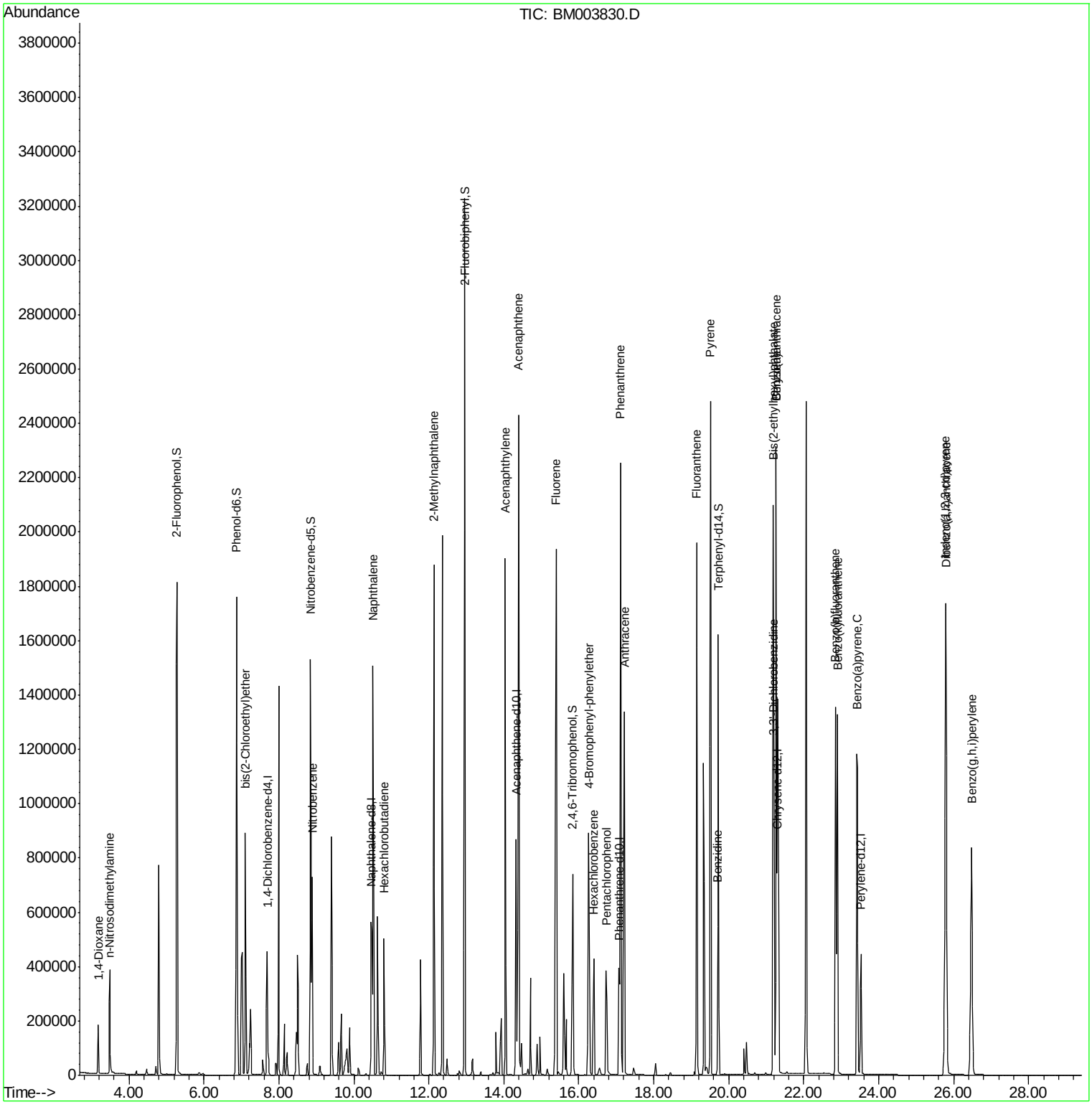
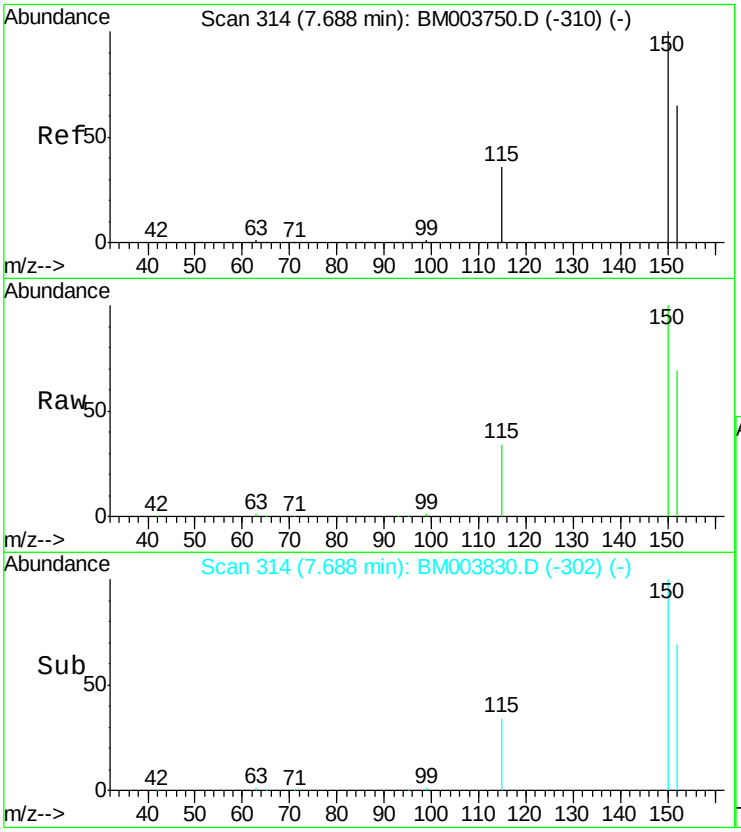


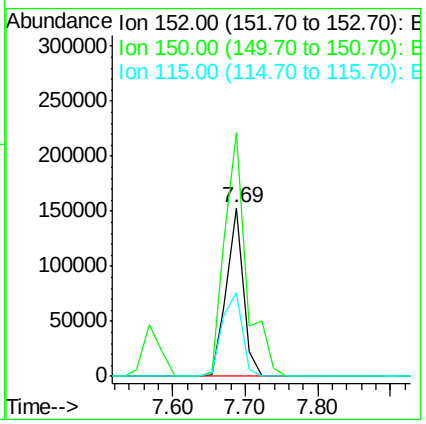


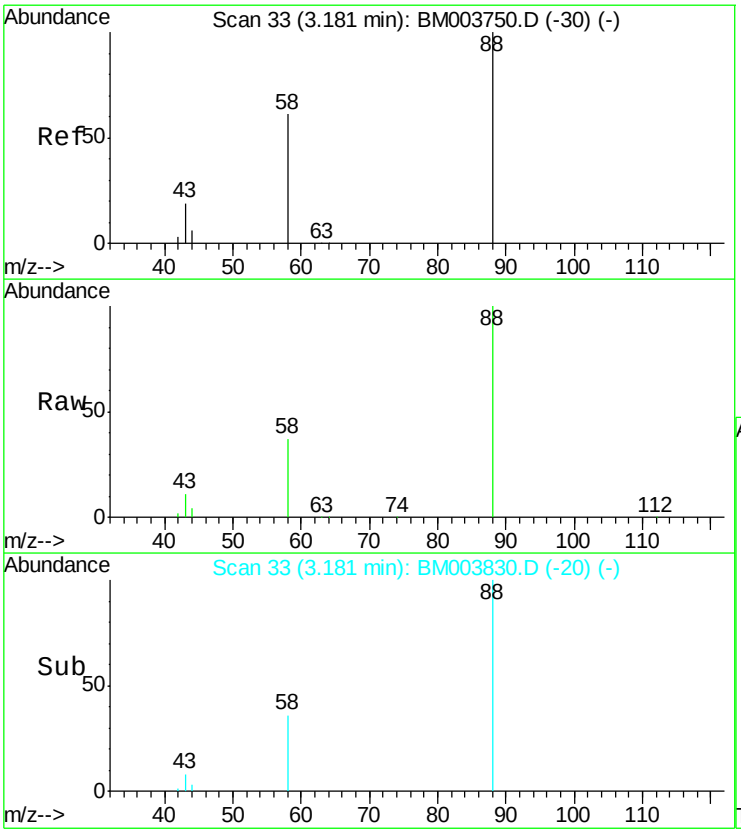
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:152 Resp: 247189

Ion	Ratio	Lower	Upper
152	100		
150	144.3	122.9	184.3
115	49.5	44.4	66.6

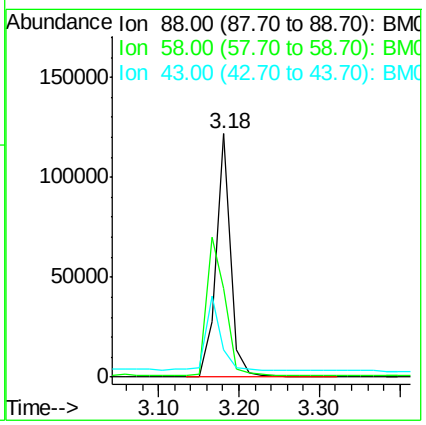


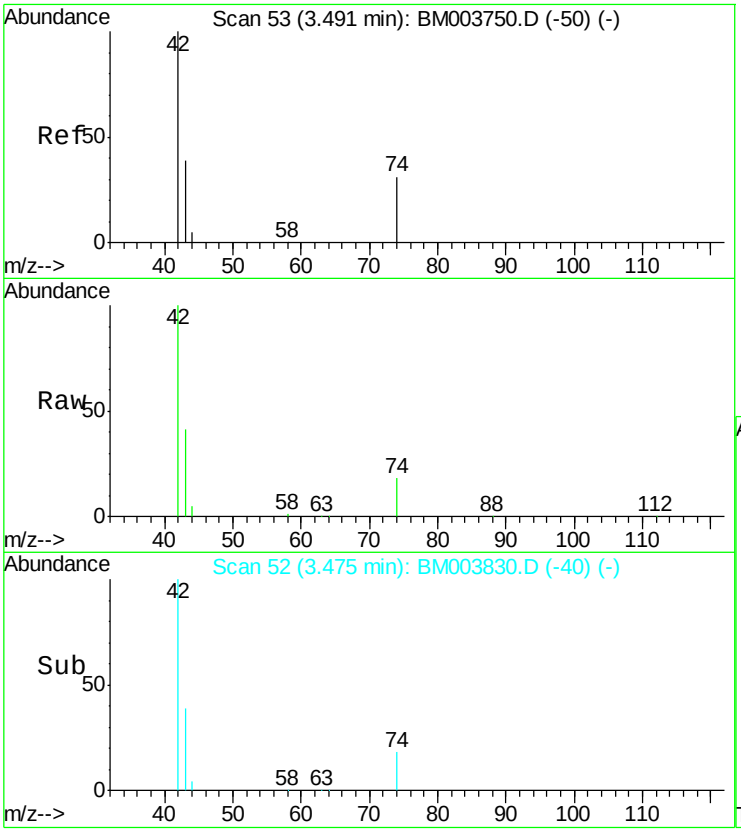


#2
1,4-Dioxane
Concen: 6.87 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion: 88 Resp: 154223

Ion	Ratio	Lower	Upper
88	100		
58	71.8	53.8	80.6
43	32.6	23.8	35.6



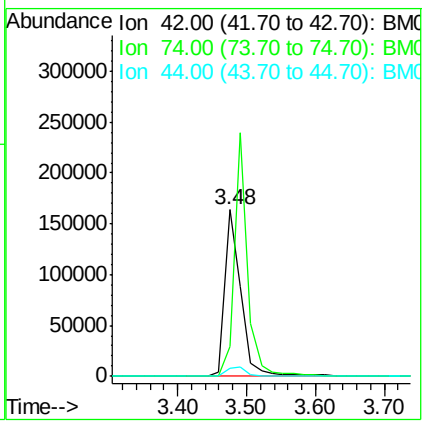


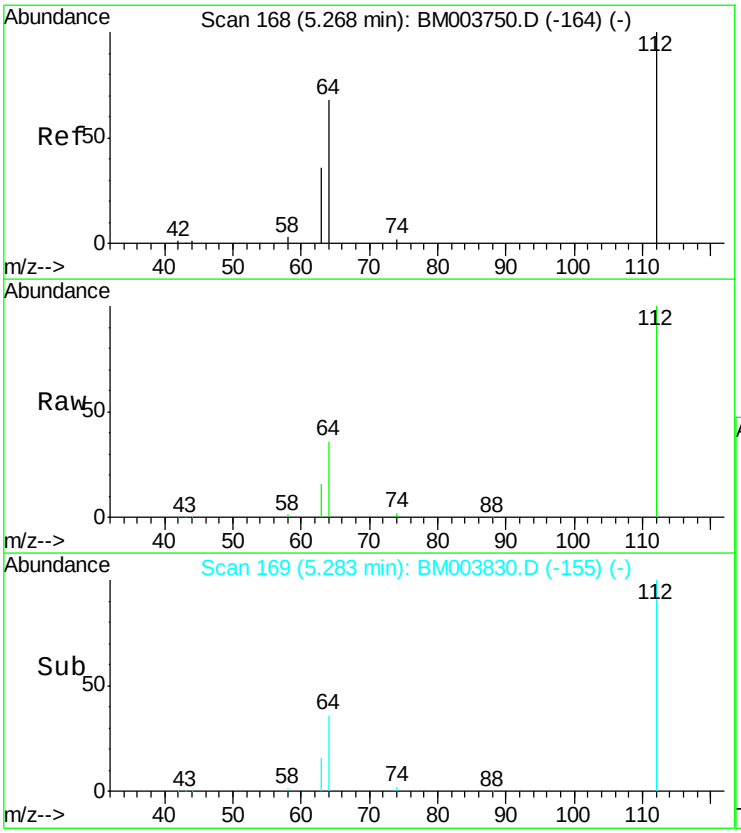
#3
n-Nitrosodimethylamine
Concen: 9.85 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion: 42 Resp: 259262

Ion	Ratio	Lower	Upper
42	100		
74	123.5	95.0	142.4
44	6.1	5.1	7.7

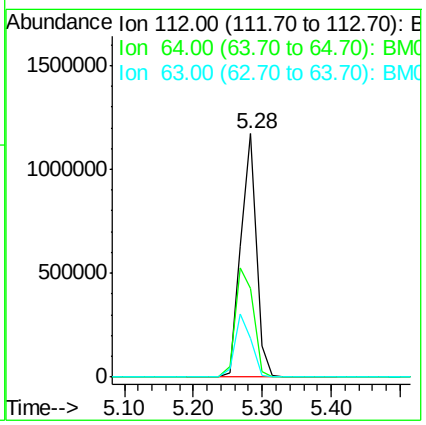


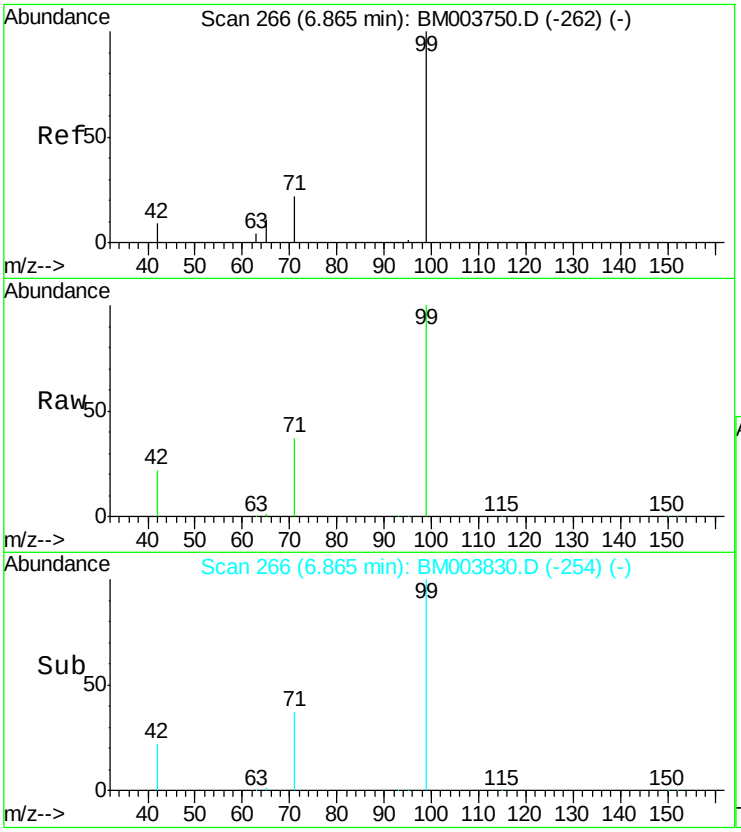


#4
2-Fluorophenol
Concen: 31.61 ng
RT: 5.28 min Scan# 169
Delta R.T. 0.02 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:112 Resp: 1846382

Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.8	62.8
63	27.1	22.1	33.1



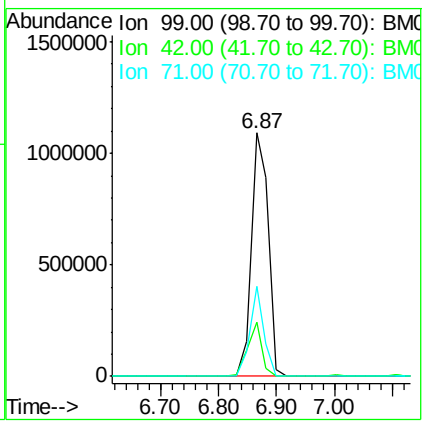


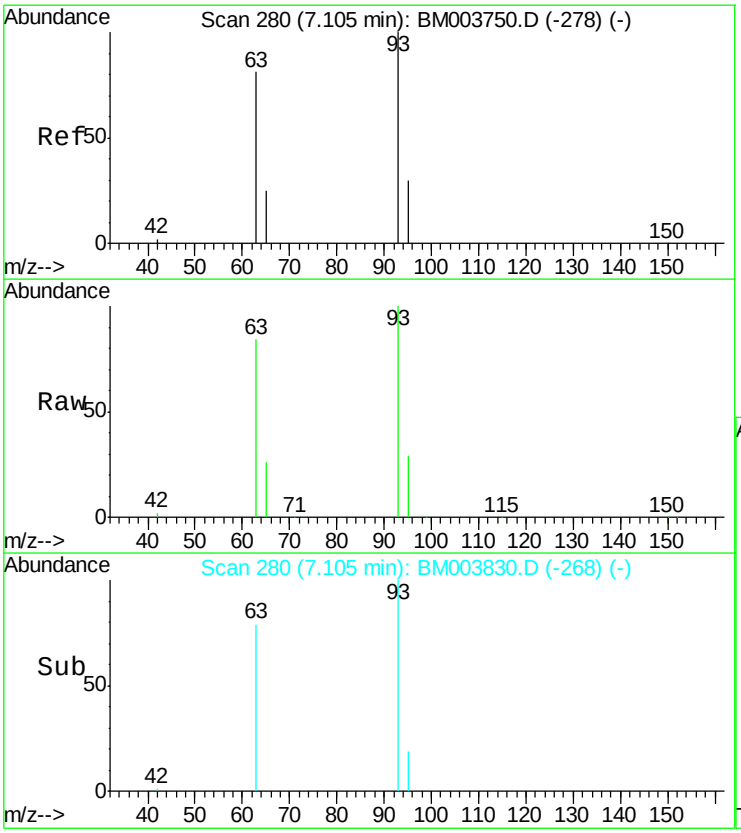
#5
Phenol-d6
Concen: 31.40 ng
RT: 6.87 min Scan# 266
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion: 99 Resp: 2245887

Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.2	24.2
71	30.5	24.4	36.6

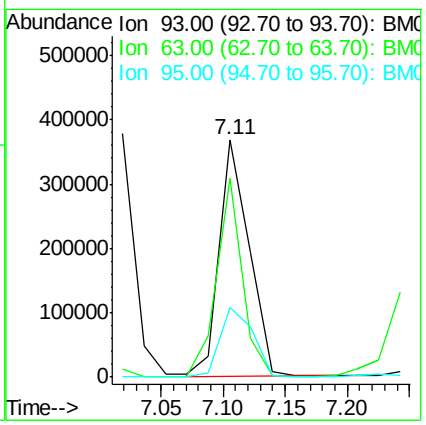


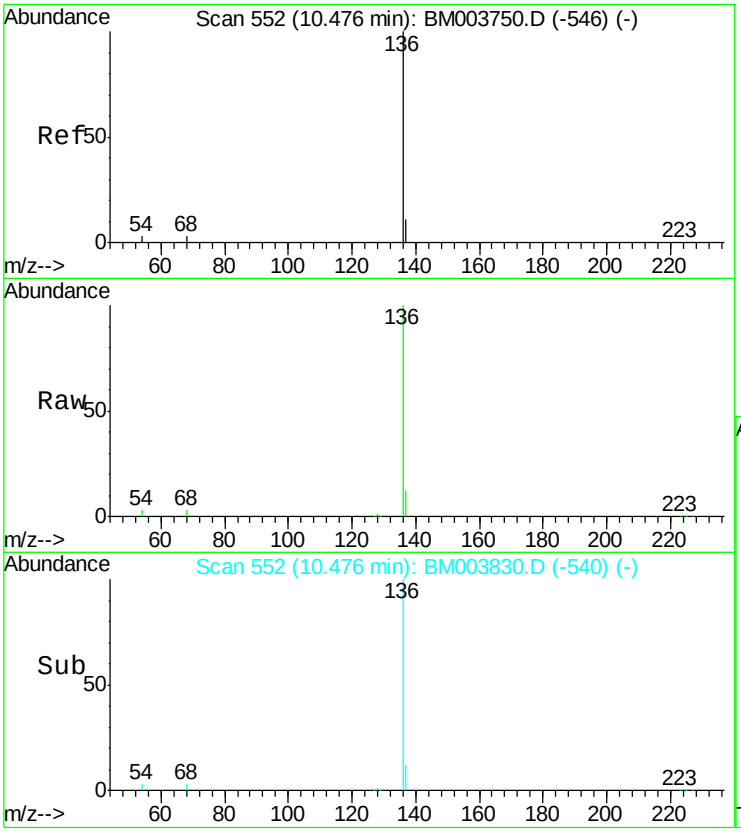


#6
bis(2-Chloroethyl)ether
Concen: 9.70 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion: 93 Resp: 616994

Ion	Ratio	Lower	Upper
93	100		
63	72.9	58.3	87.5
95	32.6	25.8	38.8



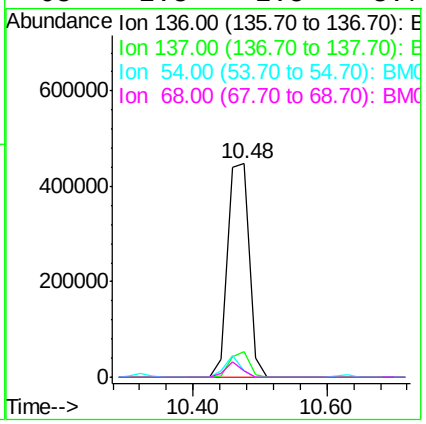


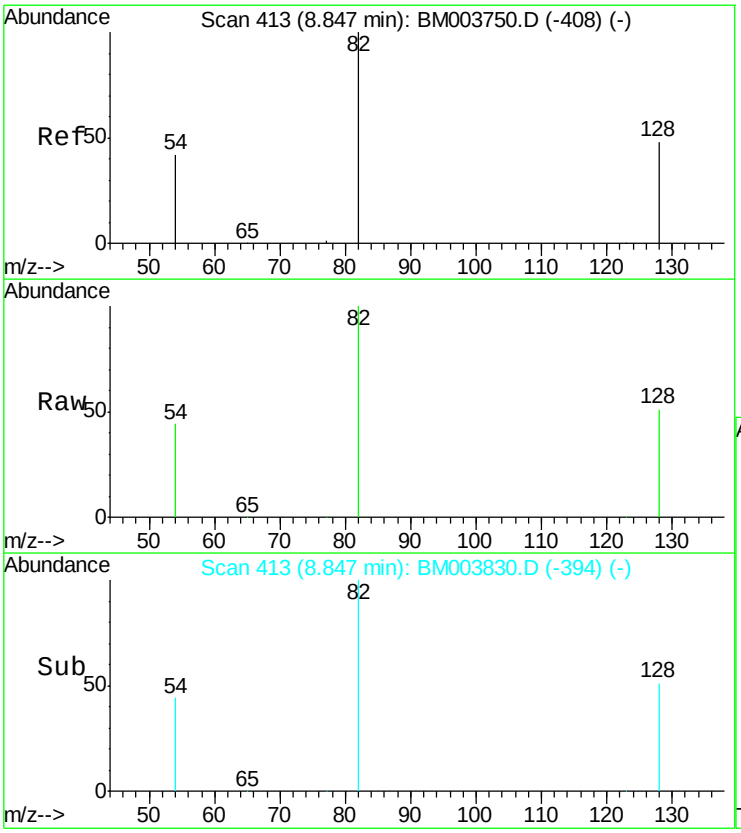
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.48 min Scan# 552
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:136 Resp: 997654

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	3.1	2.8	4.2
68	2.8	2.5	3.7

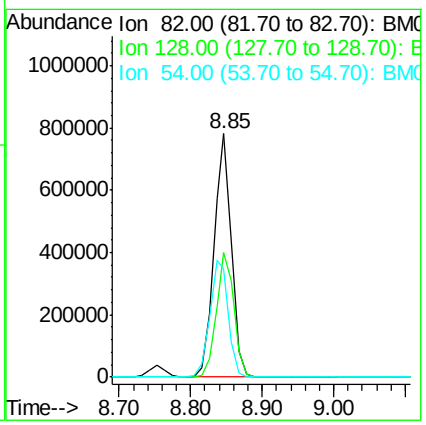


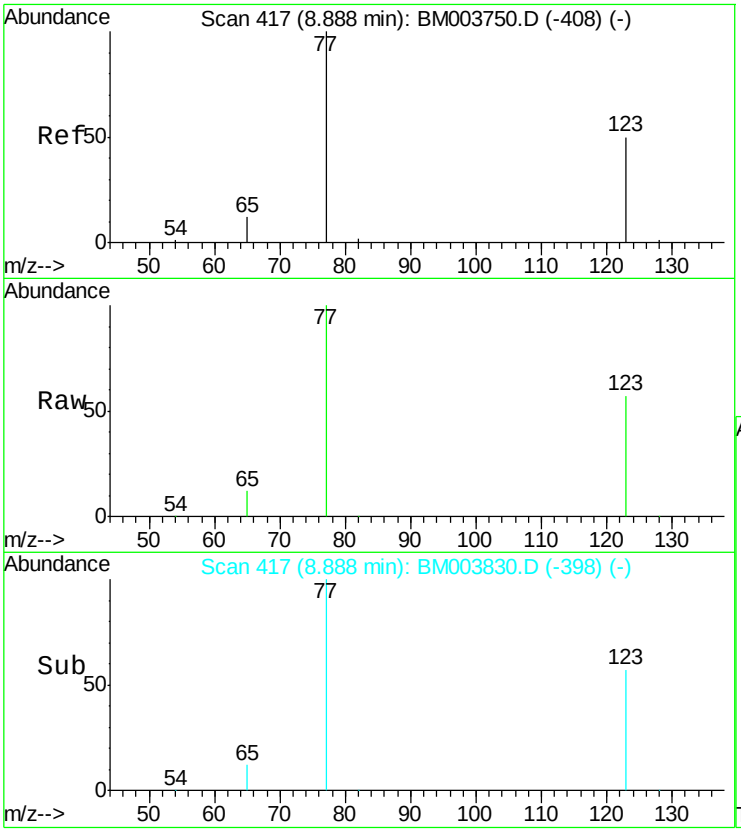


#8
Nitrobenzene-d5
Concen: 25.11 ng
RT: 8.85 min Scan# 413
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion: 82 Resp: 1327659

Ion	Ratio	Lower	Upper
82	100		
128	51.1	39.1	58.7
54	44.3	34.8	52.2



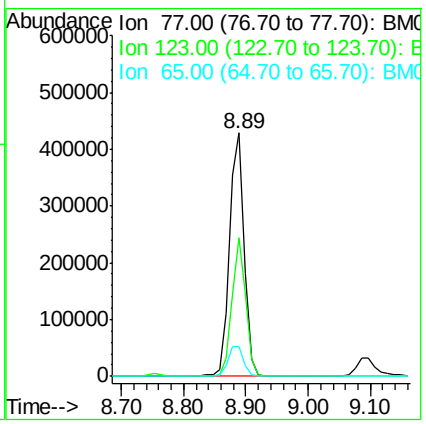


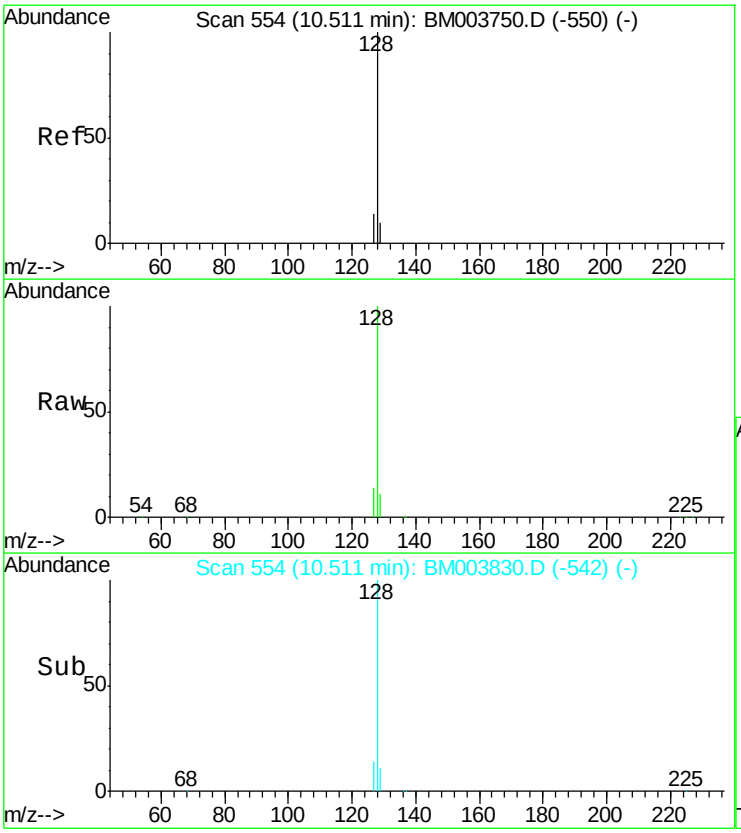
#9
Nitrobenzene
Concen: 11.75 ng
RT: 8.89 min Scan# 417
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion: 77 Resp: 705573

Ion	Ratio	Lower	Upper
77	100		
123	53.3	38.6	57.8
65	13.4	9.9	14.9

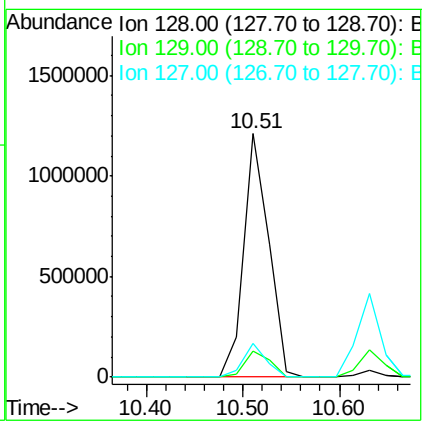


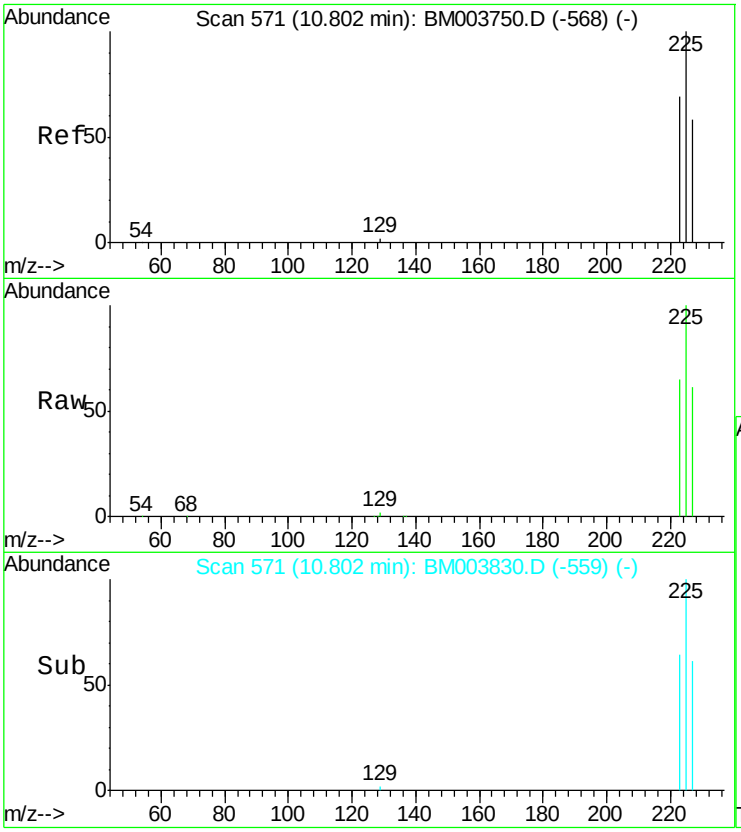


#10
Naphthalene
Concen: 9.47 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:128 Resp: 2157503

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.5	12.7
127	13.8	11.0	16.4



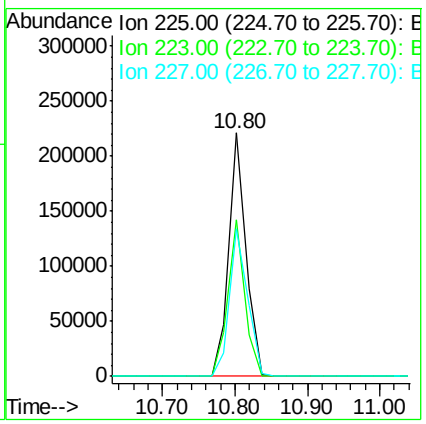


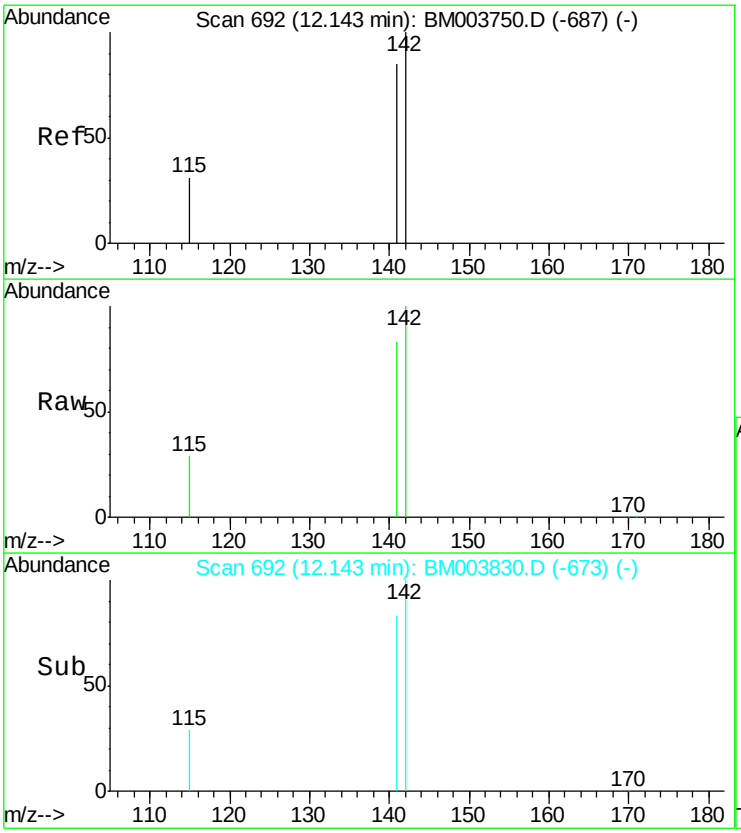
#11
Hexachlorobutadiene
Concen: 10.25 ng
RT: 10.80 min Scan# 571
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:225 Resp: 360495

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.9	76.3
227	63.8	51.2	76.8

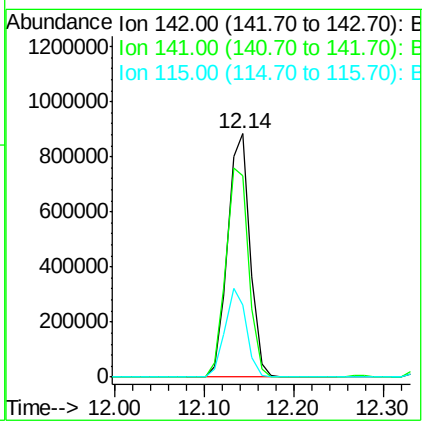


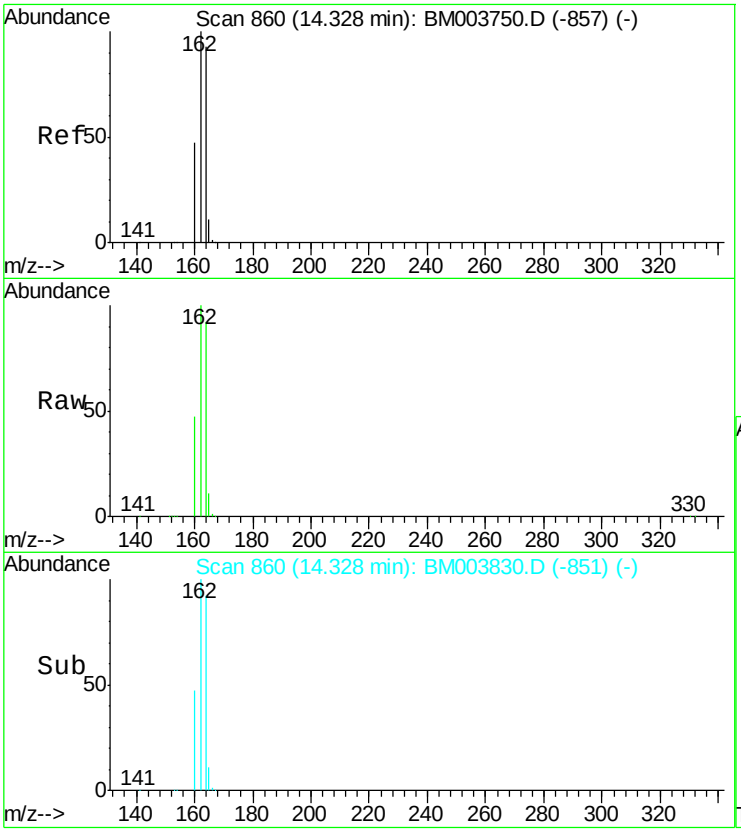


#12
2-Methylnaphthalene
Concen: 10.01 ng
RT: 12.14 min Scan# 692
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:142 Resp: 1522946

Ion	Ratio	Lower	Upper
142	100		
141	82.7	67.8	101.8
115	29.5	25.3	37.9



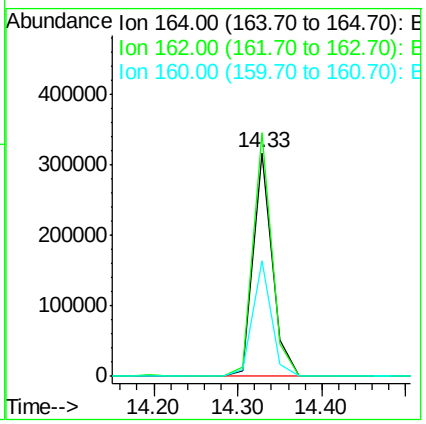


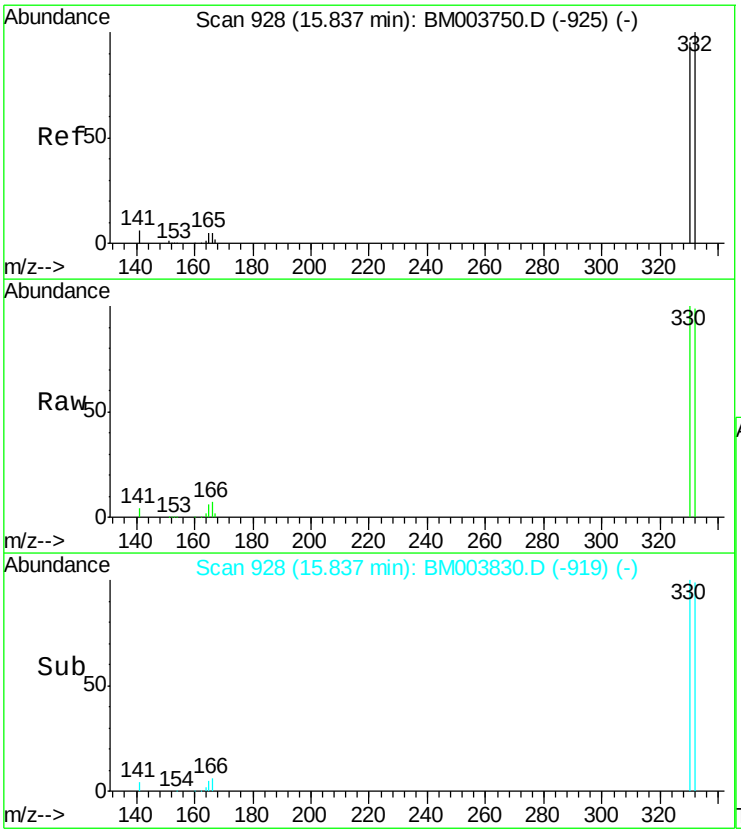
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:164 Resp: 501787

Ion	Ratio	Lower	Upper
164	100		
162	109.0	86.0	129.0
160	51.6	40.3	60.5

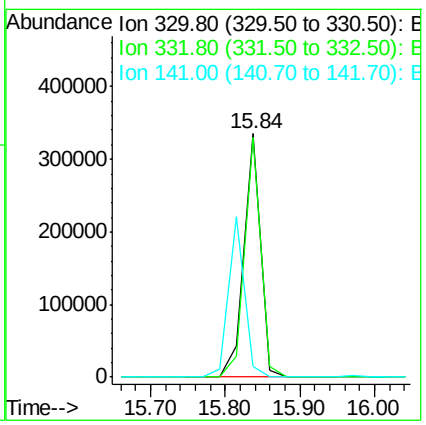


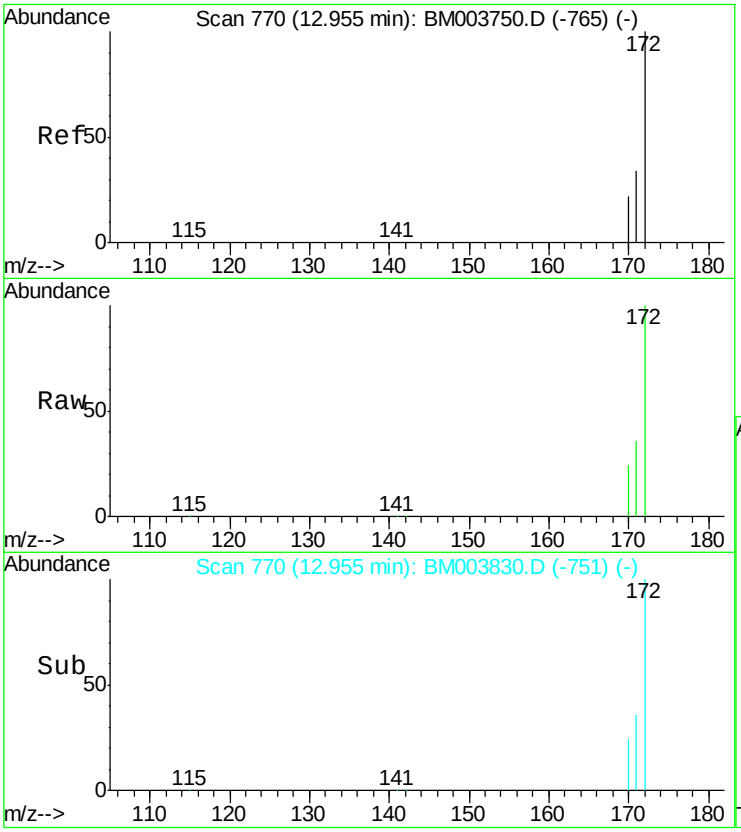


#14
2,4,6-Tribromophenol
Concen: 32.56 ng
RT: 15.84 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:330 Resp: 521157

Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.0	118.4
141	0.0	0.0	0.0



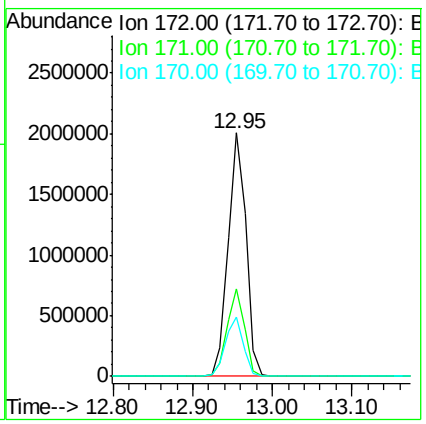


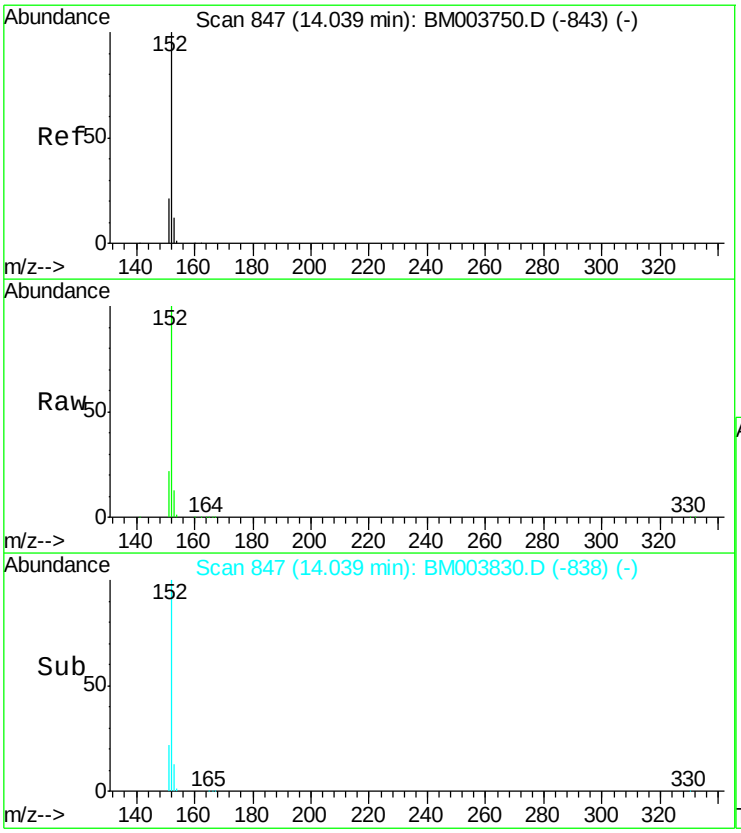
#15
2-Fluorobiphenyl
Concen: 20.26 ng
RT: 12.95 min Scan# 770
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:172 Resp: 3109984

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.0	40.6
170	24.3	17.9	26.9

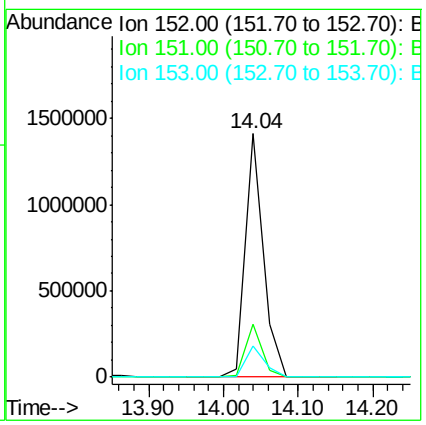


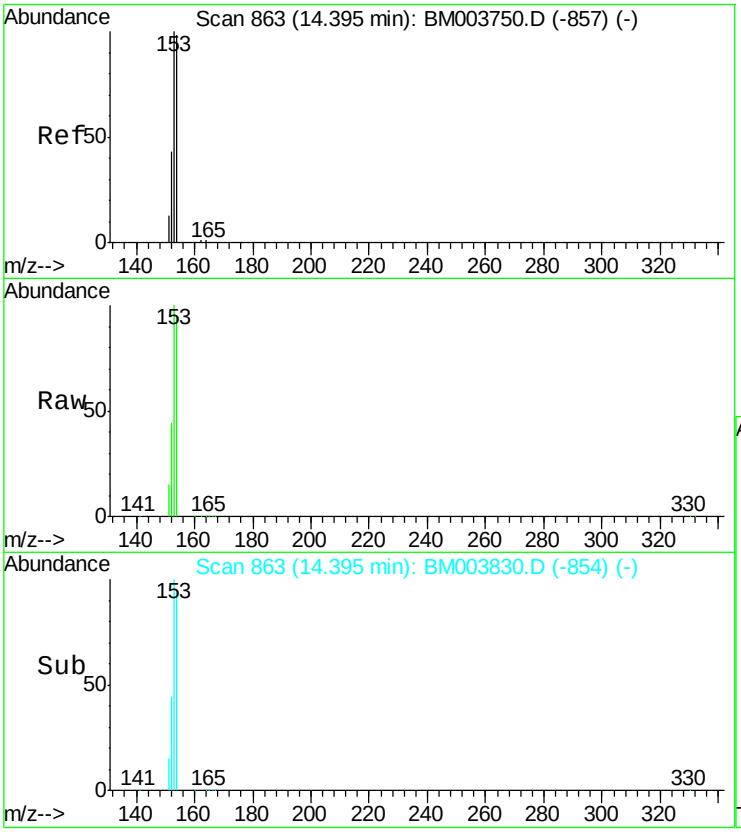


#16
Acenaphthylene
Concen: 10.33 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:152 Resp: 2359728

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.3	10.2	15.4



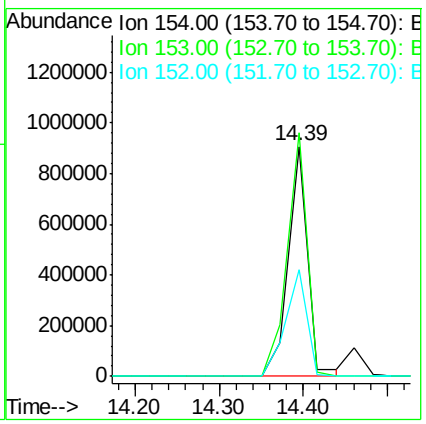


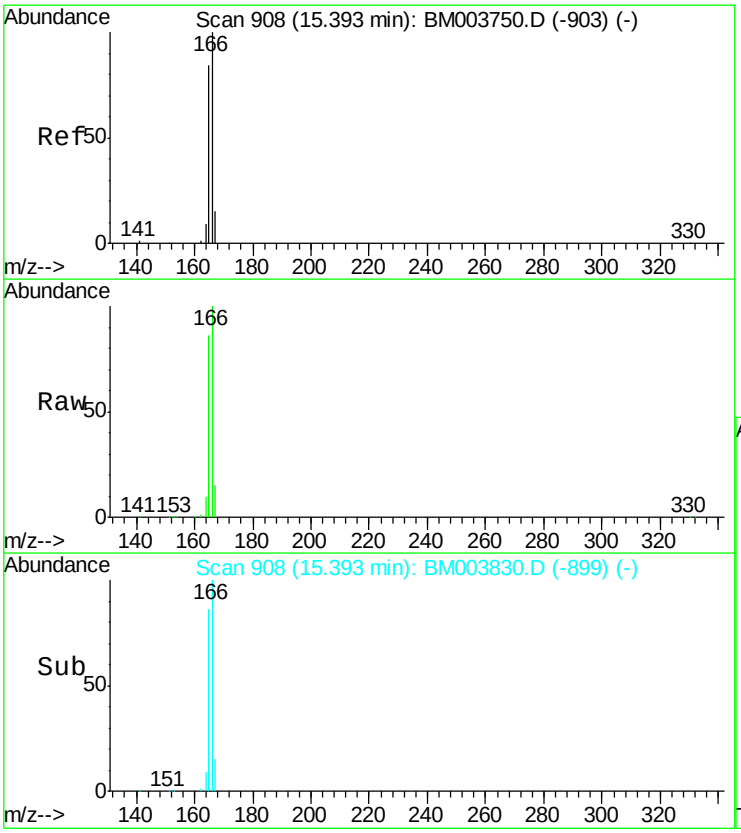
#17
Acenaphthene
Concen: 10.20 ng
RT: 14.39 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:154 Resp: 1454932

Ion	Ratio	Lower	Upper
154	100		
153	108.3	85.4	128.2
152	51.2	40.6	60.8

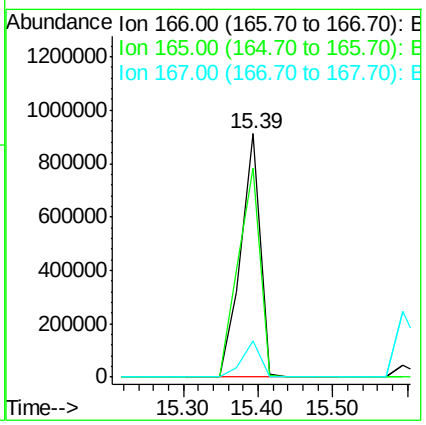


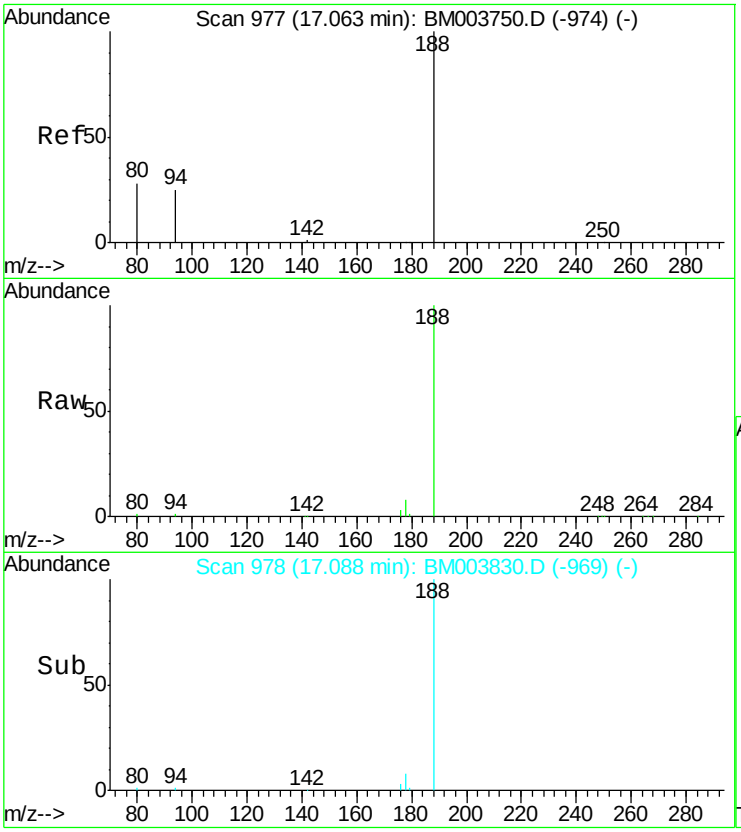


#18
Fluorene
Concen: 9.88 ng
RT: 15.39 min Scan# 908
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:166 Resp: 1652162

Ion	Ratio	Lower	Upper
166	100		
165	95.9	77.2	115.8
167	13.8	11.0	16.6



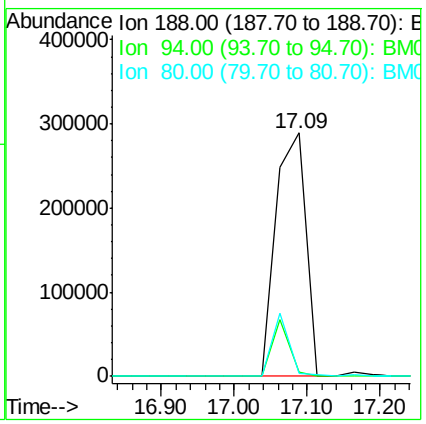


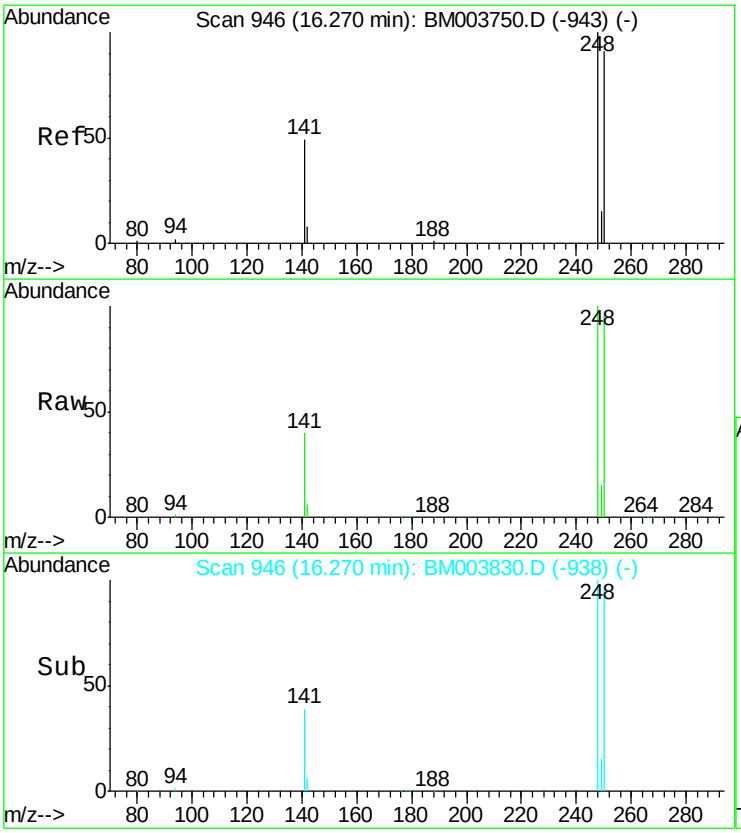
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.09 min Scan# 978
Delta R.T. 0.03 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:188 Resp: 827382

Ion	Ratio	Lower	Upper
188	100		
94	1.5	20.3	30.5#
80	1.1	22.2	33.4#

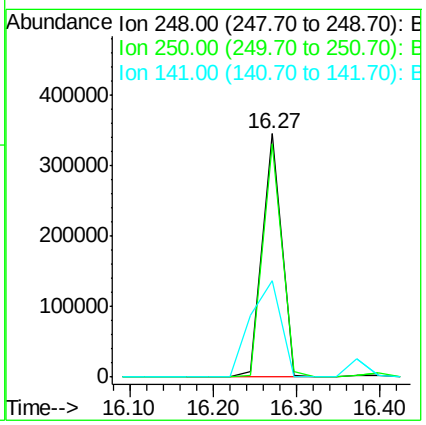


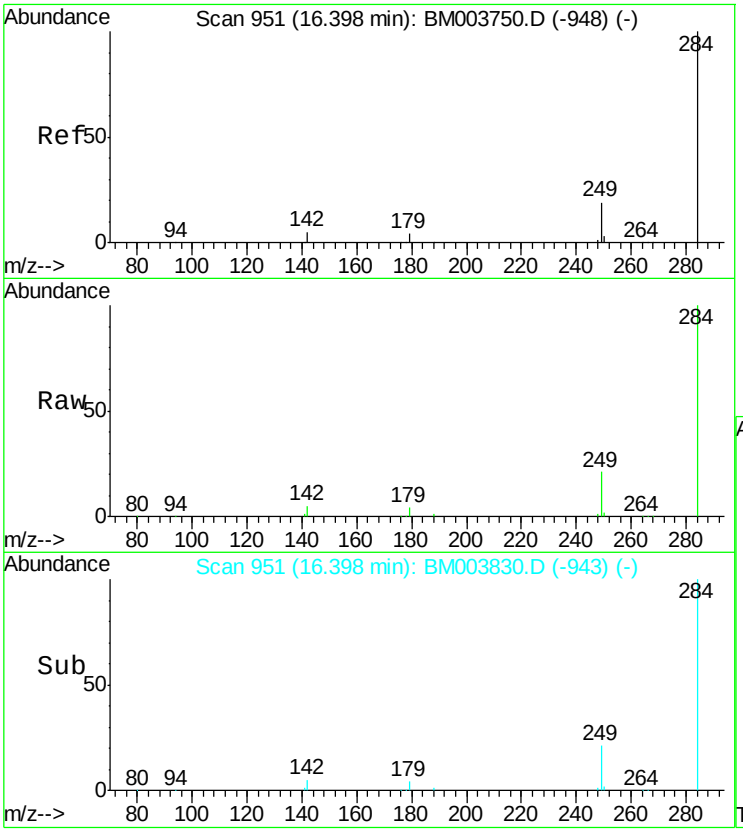


#20
4-Bromophenyl-phenylether
Concen: 10.12 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:248 Resp: 545531

Ion	Ratio	Lower	Upper
248	100		
250	96.2	75.0	112.4
141	62.9	53.0	79.4



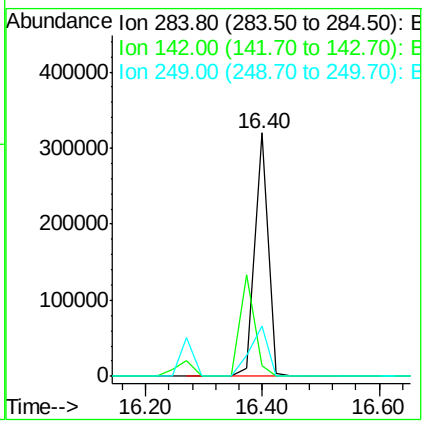


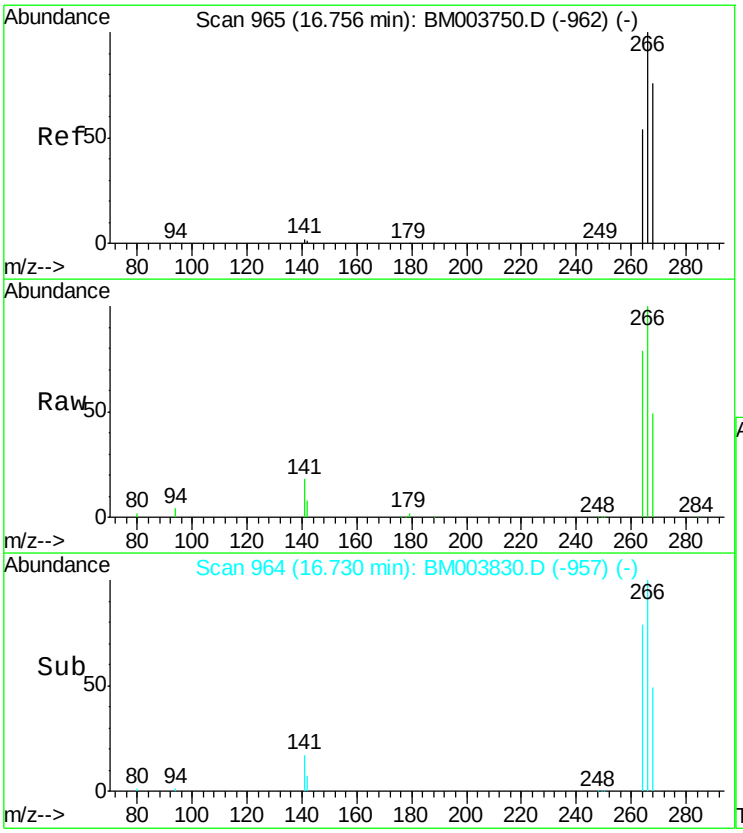
#21
Hexachlorobenzene
Concen: 10.32 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:284 Resp: 513995

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	28.0	21.5	32.3

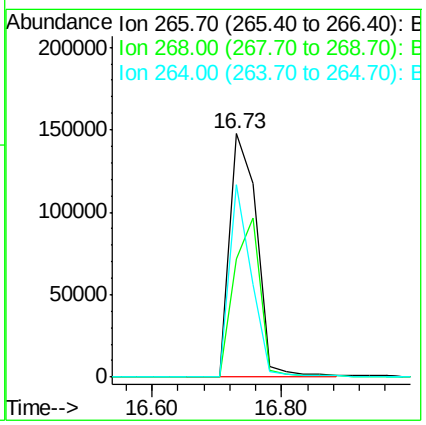


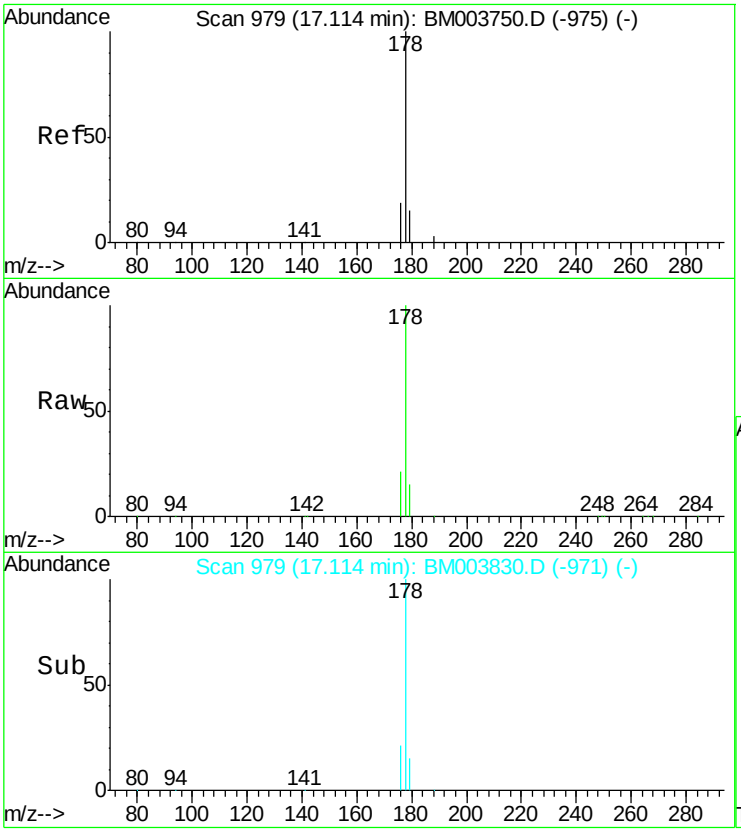


#22
Pentachlorophenol
Concen: 23.48 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.02 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:266 Resp: 427741

Ion	Ratio	Lower	Upper
266	100		
268	48.7	62.7	94.1#
264	78.9	45.7	68.5#



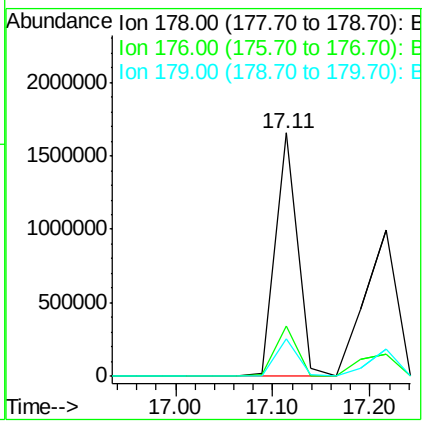


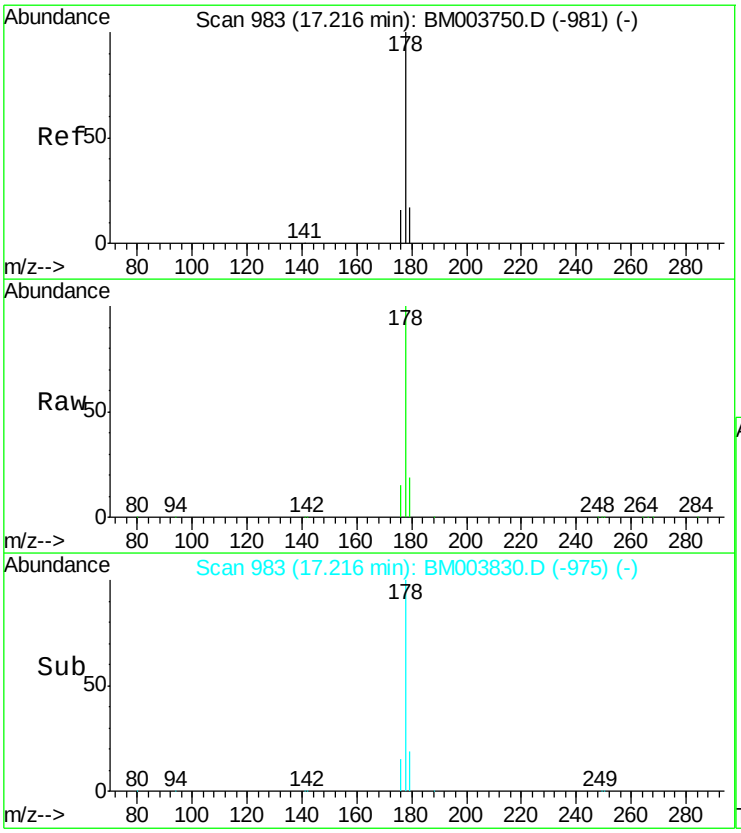
#23
Phenanthrene
Concen: 9.40 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:178 Resp: 2662104

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.4	23.0
179	15.5	12.2	18.4

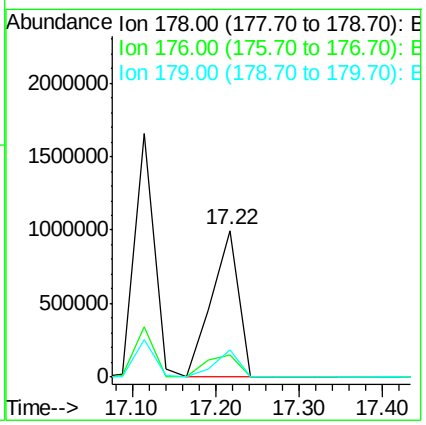


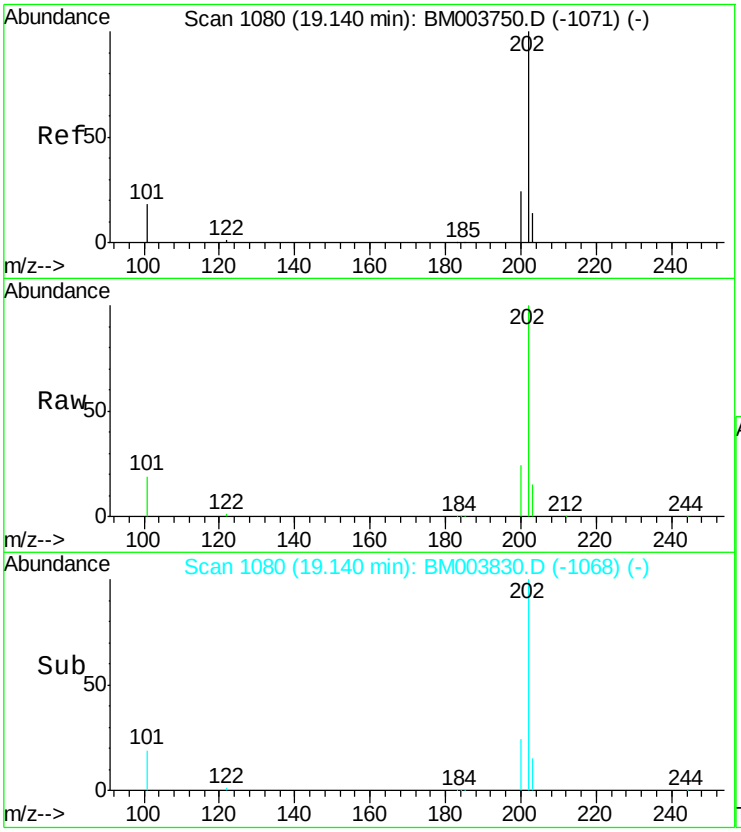


#24
Anthracene
Concen: 10.84 ng
RT: 17.22 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:178 Resp: 2236346

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	16.6	12.6	19.0



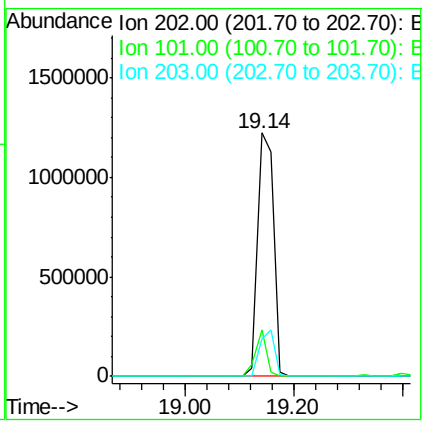


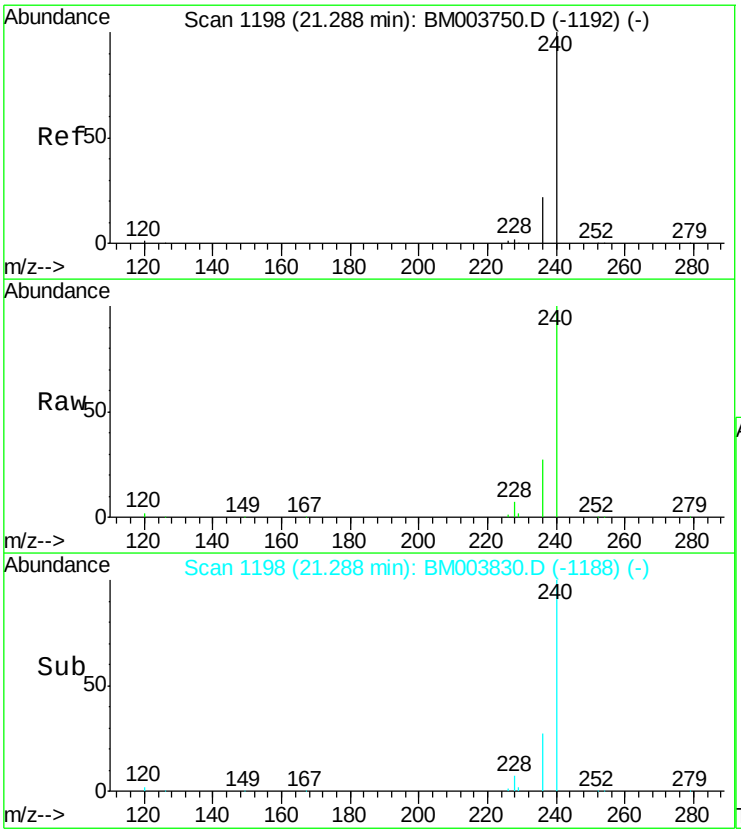
#25
Fluoranthene
Concen: 9.31 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:202 Resp: 2495191

Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.7	14.5
203	18.2	13.8	20.8

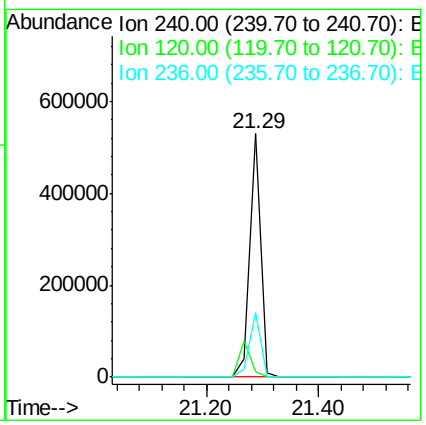


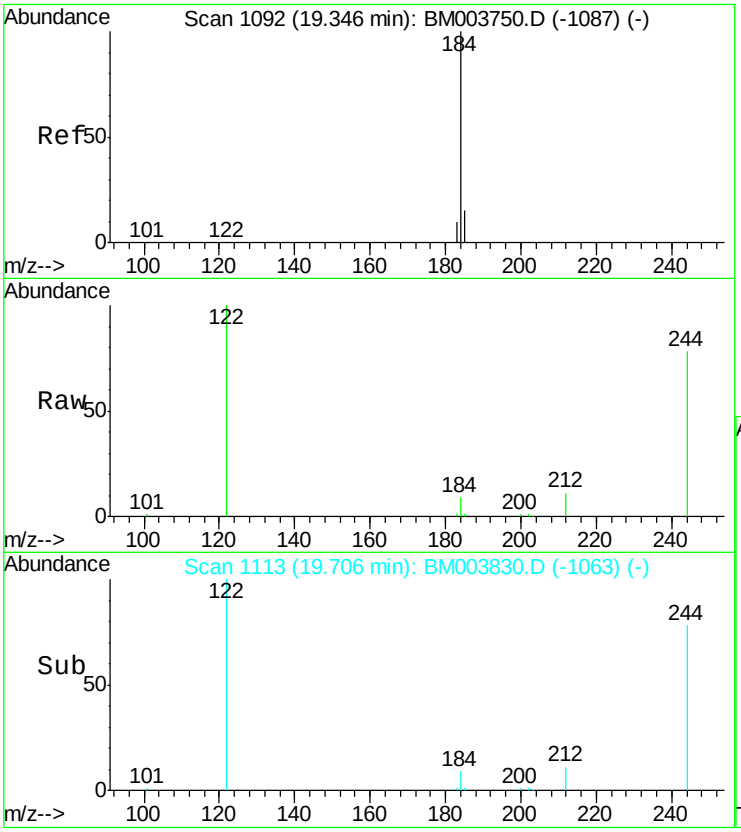


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:240 Resp: 717663

Ion	Ratio	Lower	Upper
240	100		
120	2.4	0.9	1.3#
236	26.7	17.3	25.9#



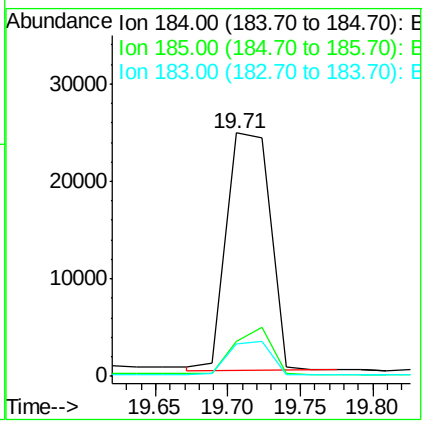


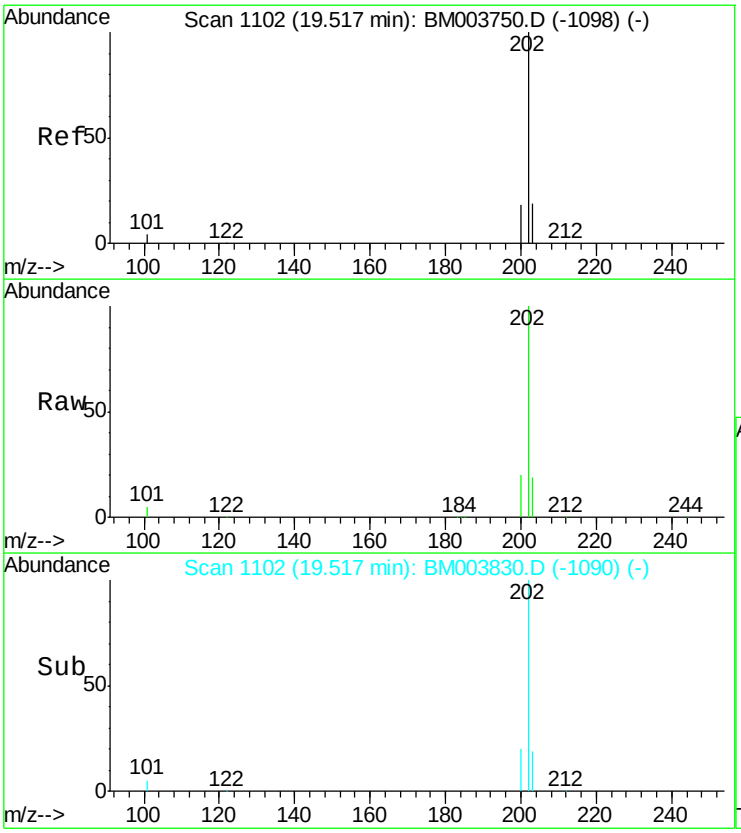
#27
Benzidine
Concen: 1.12 ng
RT: 19.71 min Scan# 1113
Delta R.T. 0.36 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:184 Resp: 50815

Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.2	19.8
183	13.4	9.0	13.6

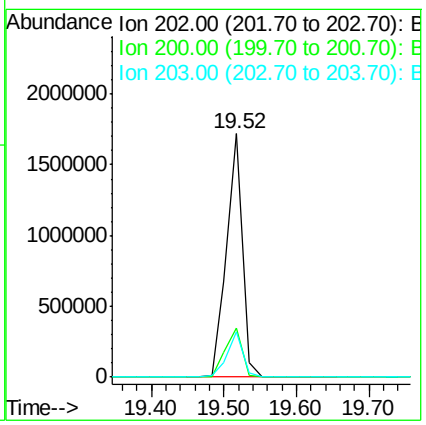


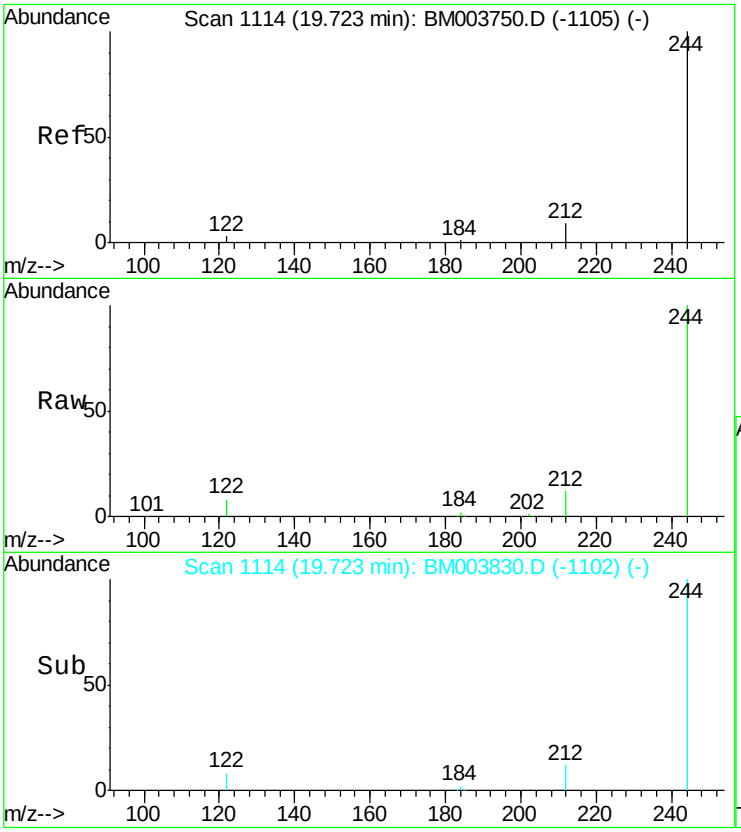


#28
Pyrene
Concen: 10.93 ng
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:202 Resp: 2587923

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	18.5	14.0	21.0



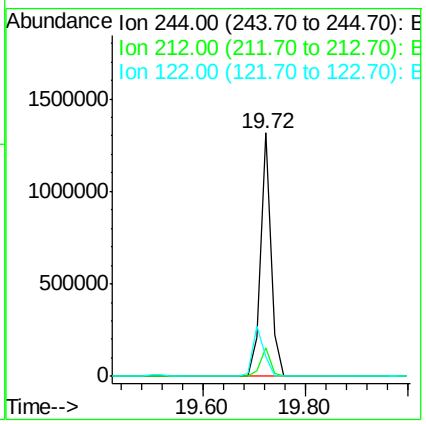


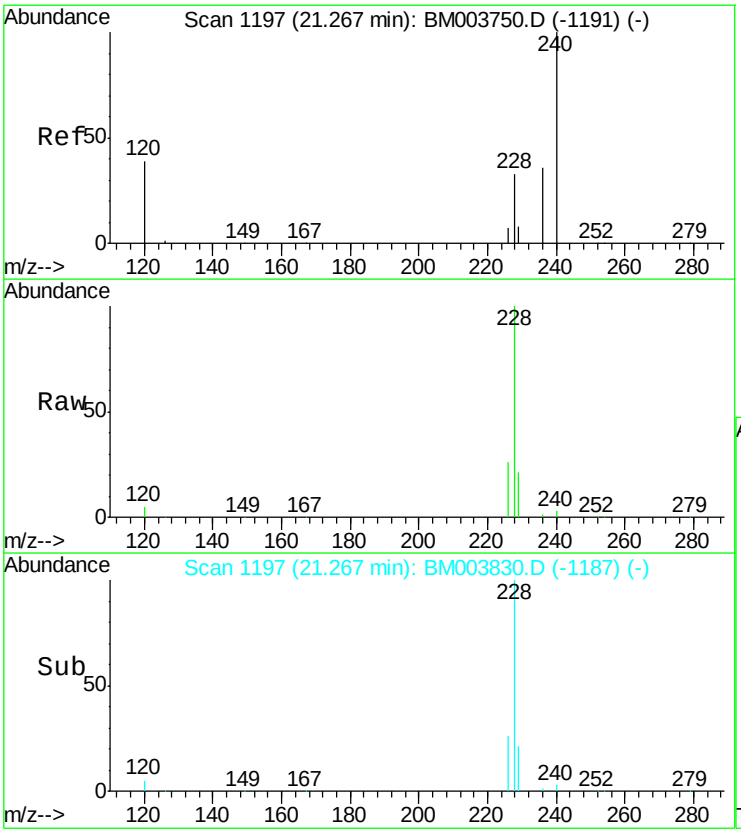
#29
Terphenyl-d14
Concen: 16.11 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:244 Resp: 1811109

Ion	Ratio	Lower	Upper
244	100		
212	11.6	7.0	10.6#
122	8.2	3.0	4.6#

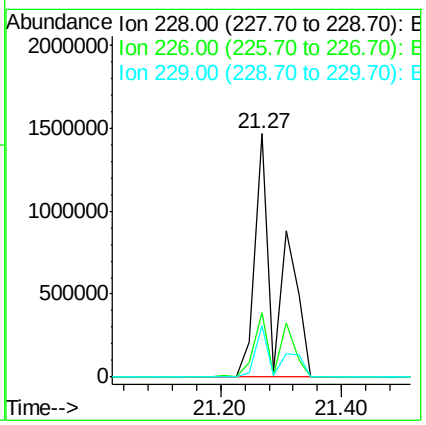


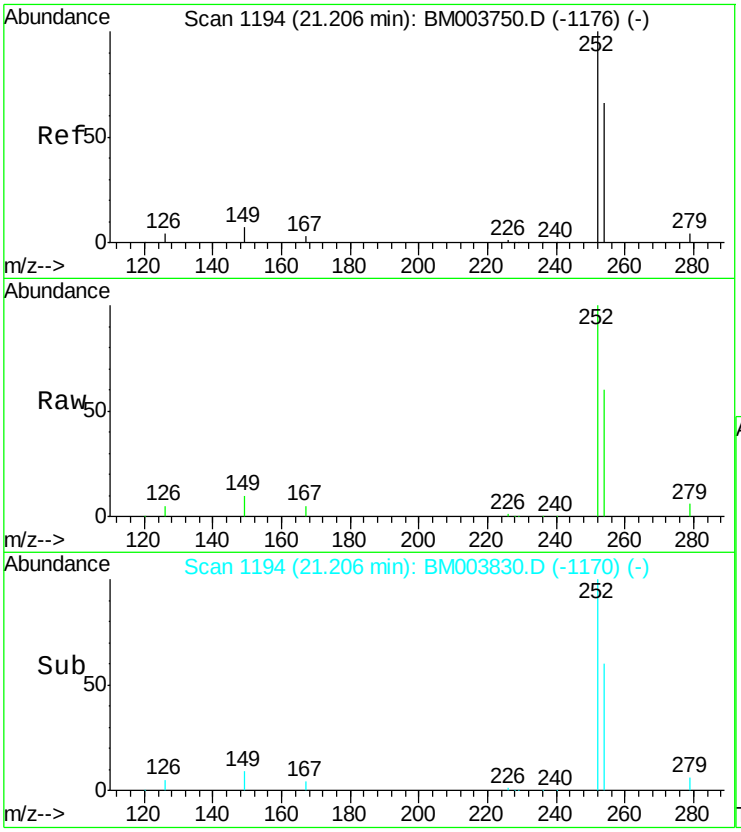


#30
Benzo(a)anthracene
Concen: 17.79 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:228 Resp: 3821887

Ion	Ratio	Lower	Upper
228	100		
226	26.4	17.2	25.8#
229	21.1	18.7	28.1



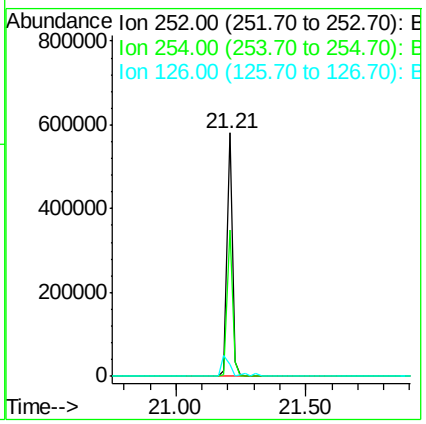


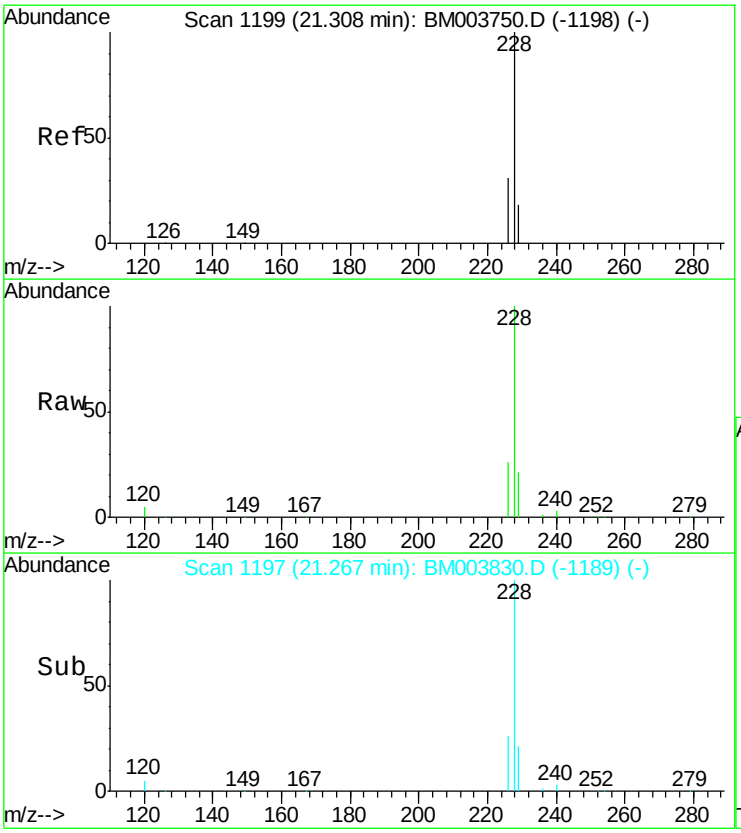
#31
3,3'-Dichlorobenzidine
Concen: 10.46 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:252 Resp: 786450

Ion	Ratio	Lower	Upper
252	100		
254	60.1	52.6	79.0
126	4.9	3.7	5.5

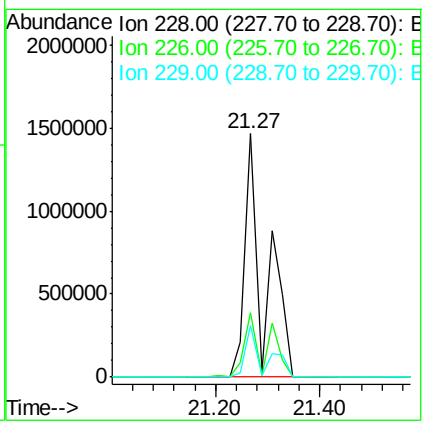


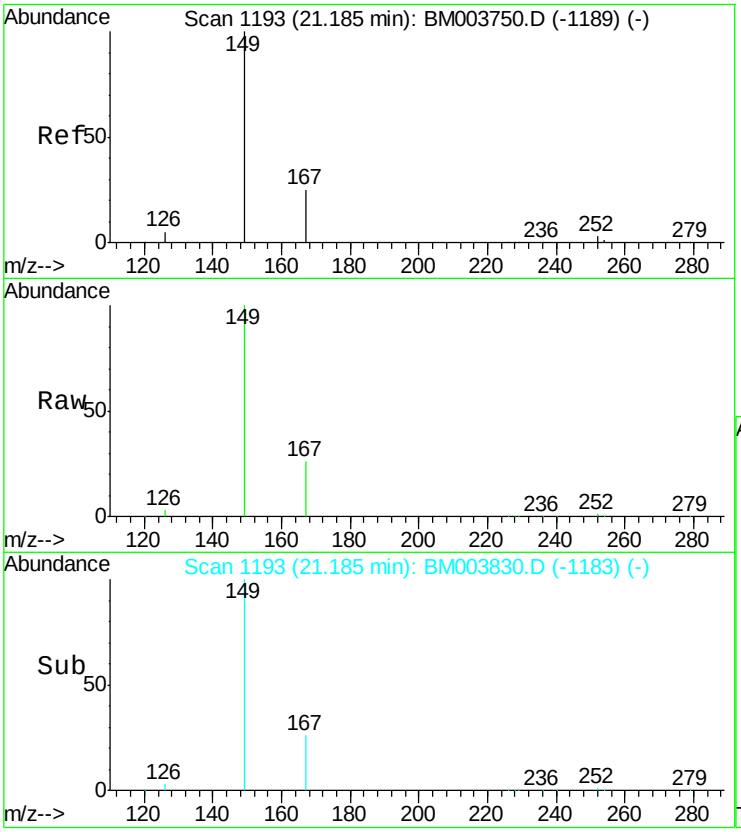


#32
Chrysene
Concen: 20.04 ng
RT: 21.27 min Scan# 1197
Delta R.T. -0.04 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:228 Resp: 3825343

Ion	Ratio	Lower	Upper
228	100		
226	26.4	25.3	37.9
229	21.1	14.5	21.7



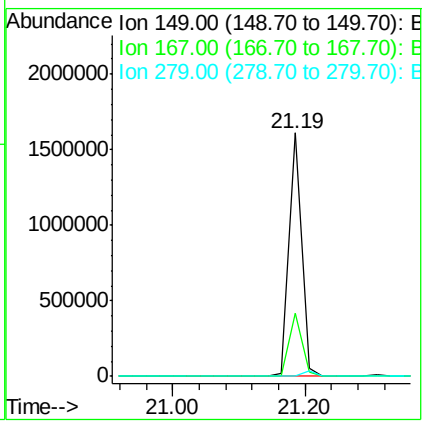


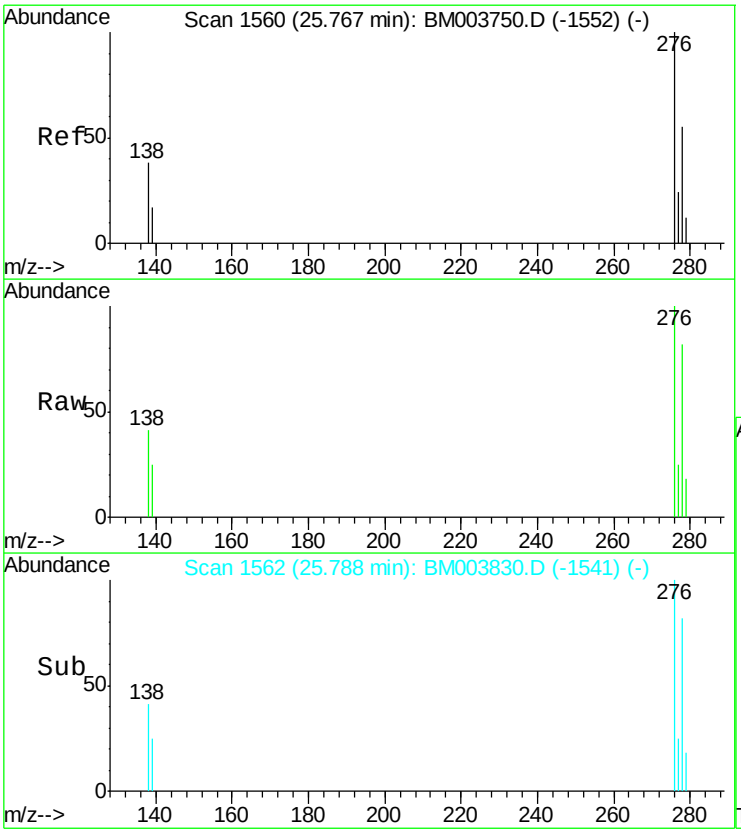
#33
Bis(2-ethylhexyl)phthalate
Concen: 12.89 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:149 Resp: 2074131

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.1	30.1
279	0.0	0.0	0.0

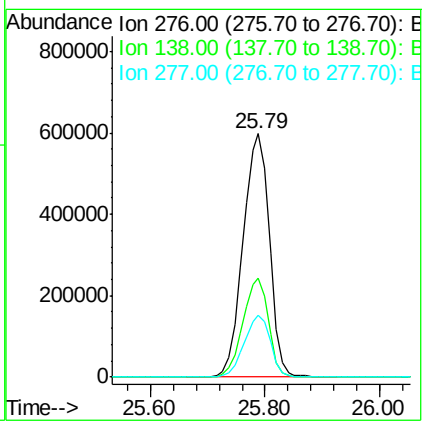


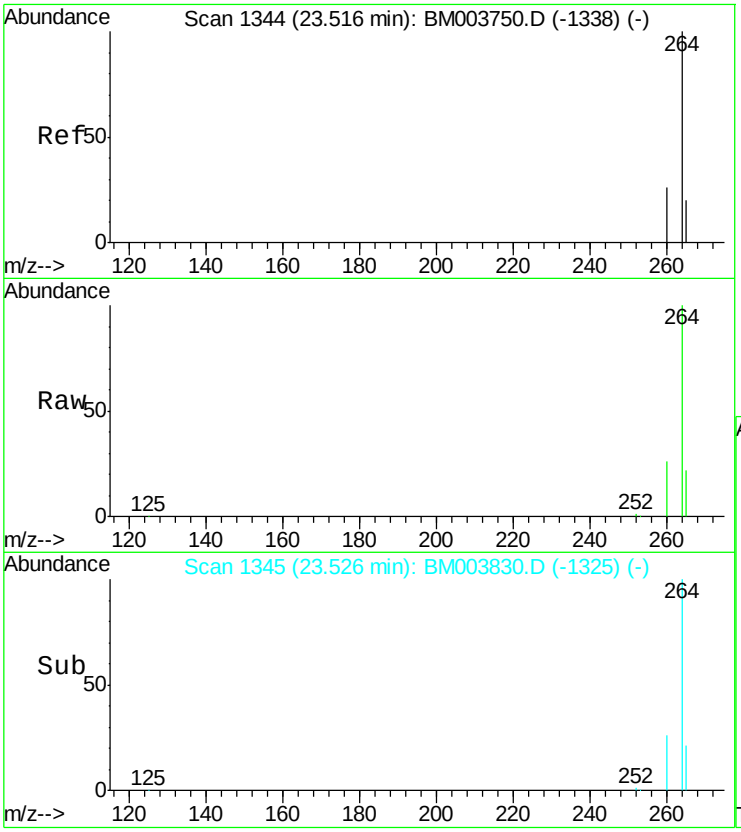


#34
Indeno(1,2,3-cd)pyrene
Concen: 12.55 ng
RT: 25.79 min Scan# 1562
Delta R.T. 0.02 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:276 Resp: 1904430

Ion	Ratio	Lower	Upper
276	100		
138	39.3	30.2	45.2
277	25.0	19.8	29.8



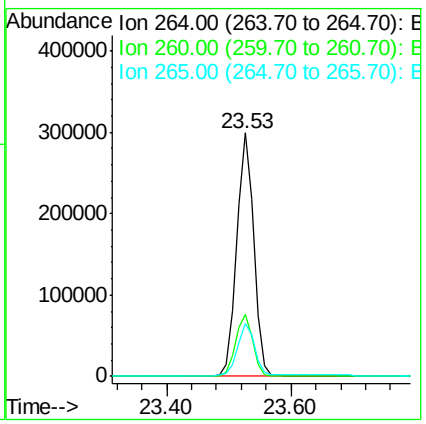


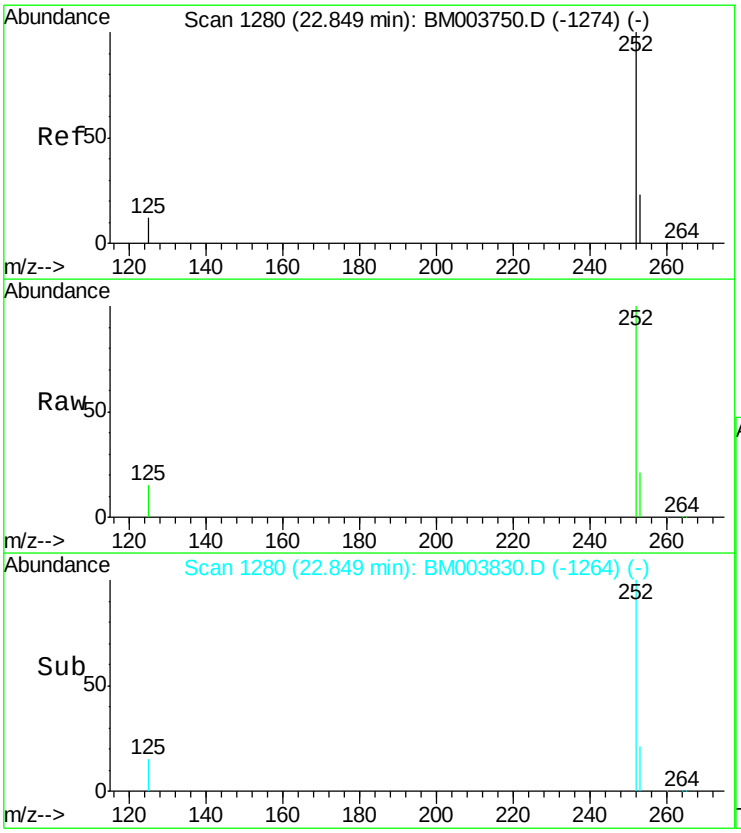
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.53 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:264 Resp: 574949

Ion	Ratio	Lower	Upper
264	100		
260	25.7	21.2	31.8
265	21.6	16.7	25.1

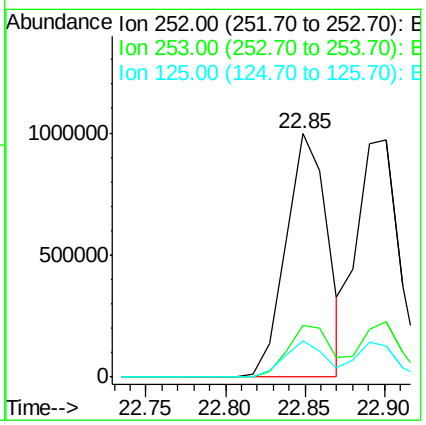


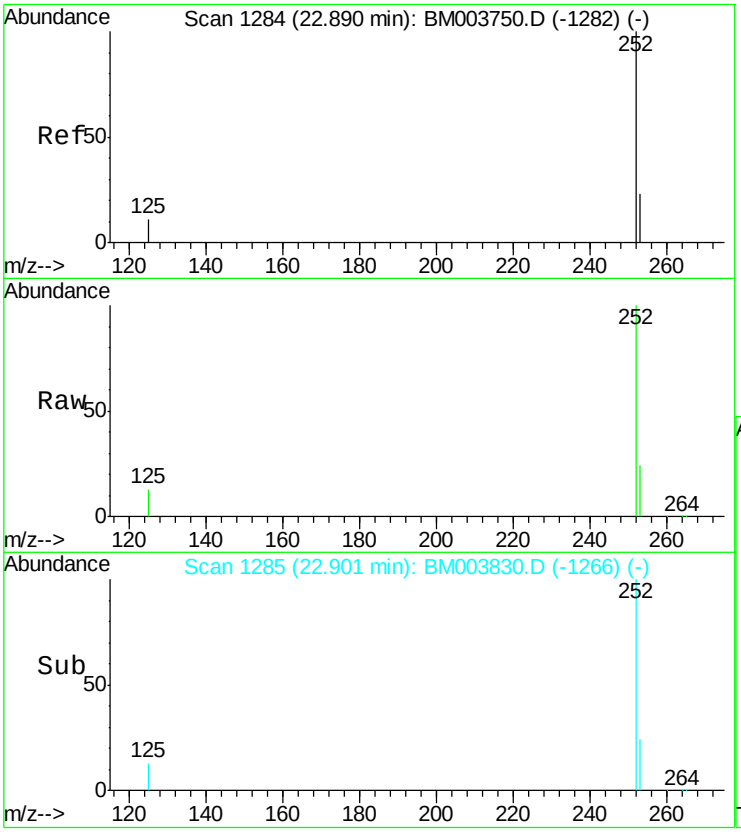


#36
Benzo(b)fluoranthene
Concen: 9.59 ng
RT: 22.85 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:252 Resp: 1801991

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.8	28.2
125	14.8	10.2	15.4



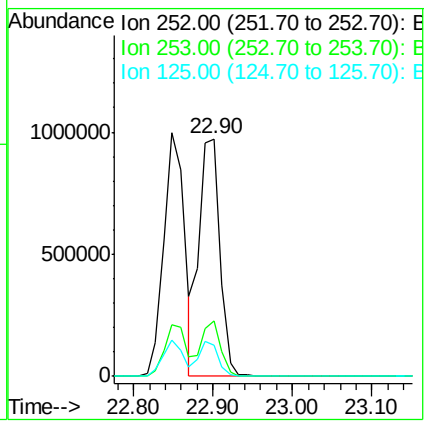


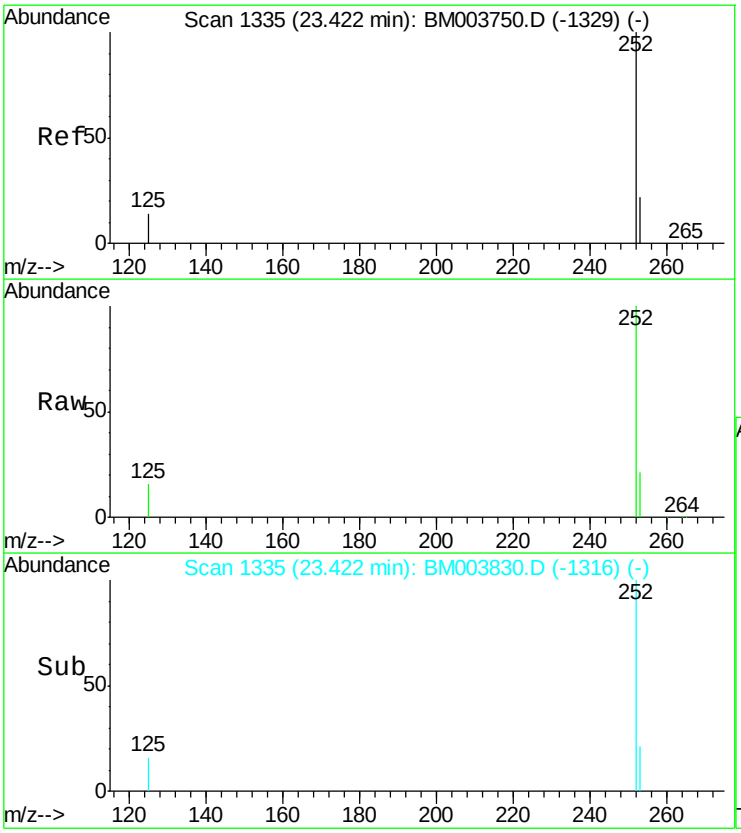
#37
Benzo(k)fluoranthene
Concen: 10.16 ng
RT: 22.90 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:252 Resp: 1760051

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	12.9	10.6	15.8

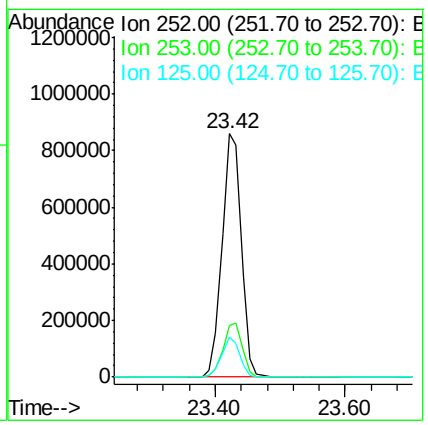


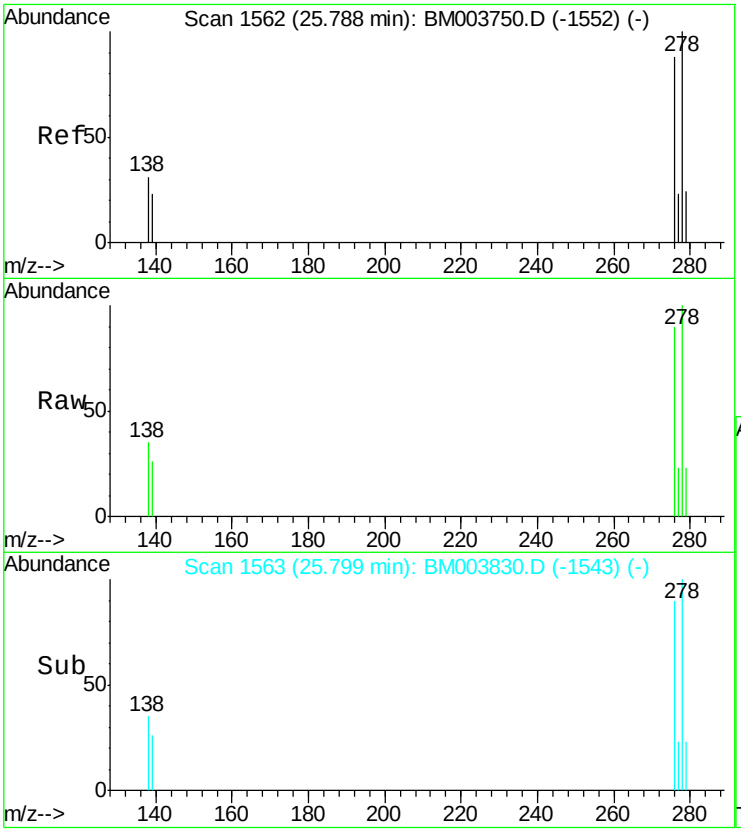


#38
Benzo(a)pyrene
Concen: 10.94 ng
RT: 23.42 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:252 Resp: 1759871

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.7	28.1
125	16.2	11.8	17.8



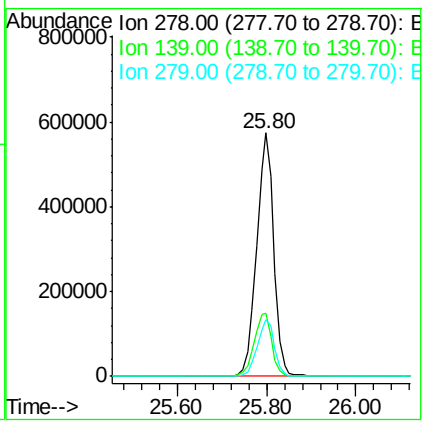


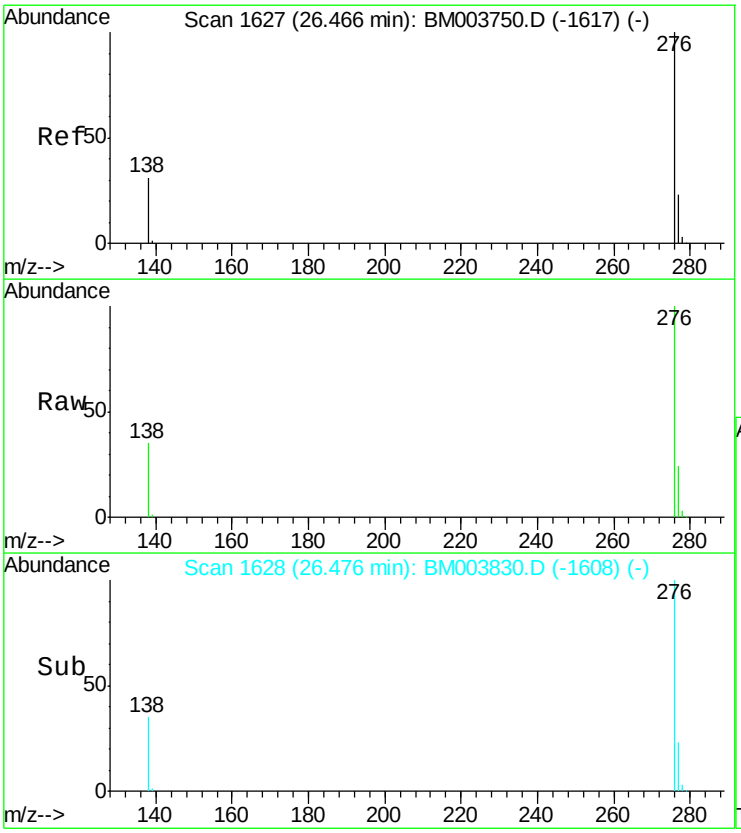
#39
Dibenzo(a,h)anthracene
Concen: 12.18 ng
RT: 25.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Instrument :
BNA_M
ClientSampleId :
PB87573BS

Tgt Ion:278 Resp: 1536102

Ion	Ratio	Lower	Upper
278	100		
139	26.1	19.0	28.6
279	23.4	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 12.68 ng
RT: 26.48 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BM003830.D
Acq: 28 Dec 2015 16:08

Tgt Ion:276 Resp: 1673825

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	34.9	25.0	37.4