Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003758.D
Acq On : 24 Dec 2015 01:37
Operator : UM/SJ
Sample : PB87313BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Dec 24 03:00:35 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 02:52:28 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	48133	5.00	ng		0.00
7) Naphthalene-d8	10.48	136	209456	5.00	ng		0.00
13) Acenaphthene-d10	14.33	164	119411	5.00	ng		0.00
19) Phenanthrene-d10	17.06	188	213252	5.00	ng		0.00
26) Chrysene-d12	21.29	240	206733	5.00	ng		0.00
35) Perylene-d12	23.52	264	164158	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.27	112	72243	6.58	ng		0.00
5) Phenol-d6	6.87	99	94657	7.01	ng		0.00
8) Nitrobenzene-d5	8.85	82	41639	3.87	ng		0.00
14) 2,4,6-Tribromophenol	15.84	330	24699	7.35	ng		0.00
15) 2-Fluorobiphenyl	12.96	172	138761	3.99	ng		0.00
29) Terphenyl-d14	19.72	244	135925	4.15	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	15437	3.51	ng		97
3) n-Nitrosodimethylamine	3.49	42	17917	3.62	ng		97
6) bis(2-Chloroethyl)ether	7.11	93	43577	3.65	ng		99
9) Nitrobenzene	8.88	77	44673	3.64	ng		98
10) Naphthalene	10.51	128	165486	3.60	ng		99
11) Hexachlorobutadiene	10.80	225	25037	3.53	ng		99
12) 2-Methylnaphthalene	12.14	142	119543	3.90	ng		97
16) Acenaphthylene	14.04	152	203373	3.86	ng		100
17) Acenaphthene	14.39	154	124892	3.77	ng		97
18) Fluorene	15.39	166	143426	3.60	ng		99
20) 4-Bromophenyl-phenylether	16.27	248	48226	4.95	ng		98
21) Hexachlorobenzene	16.40	284	46547	5.09	ng	#	100
22) Pentachlorophenol	16.73	266	28650	6.39	ng	#	72
23) Phenanthrene	17.11	178	288303	4.26	ng		99
24) Anthracene	17.22	178	196274	3.93	ng		100
25) Fluoranthene	19.14	202	262461	4.02	ng		100
27) Benzidine	19.33	184	200828	7.61	ng	#	93
28) Pyrene	19.52	202	281820	4.14	ng		99
30) Benzo(a)anthracene	21.27	228	223477	3.62	ng		100
31) 3,3'-Dichlorobenzidine	21.21	252	80576	3.90	ng	#	98
32) Chrysene	21.27	228	223476	3.71	ng	#	84
33) Bis(2-ethylhexyl)phthalate	21.19	149	182436	4.08	ng	#	100
34) Indeno(1,2,3-cd)pyrene	25.77	276	167994	3.82	ng		100
36) Benzo(b)fluoranthene	22.84	252	223627	4.36	ng		95
37) Benzo(k)fluoranthene	22.89	252	179043	3.78	ng		99
38) Benzo(a)pyrene	23.41	252	179956	4.08	ng		96
39) Dibenzo(a,h)anthracene	25.78	278	135662	3.94	ng		96
40) Benzo(g,h,i)perylene	26.46	276	138449	3.86	ng		97

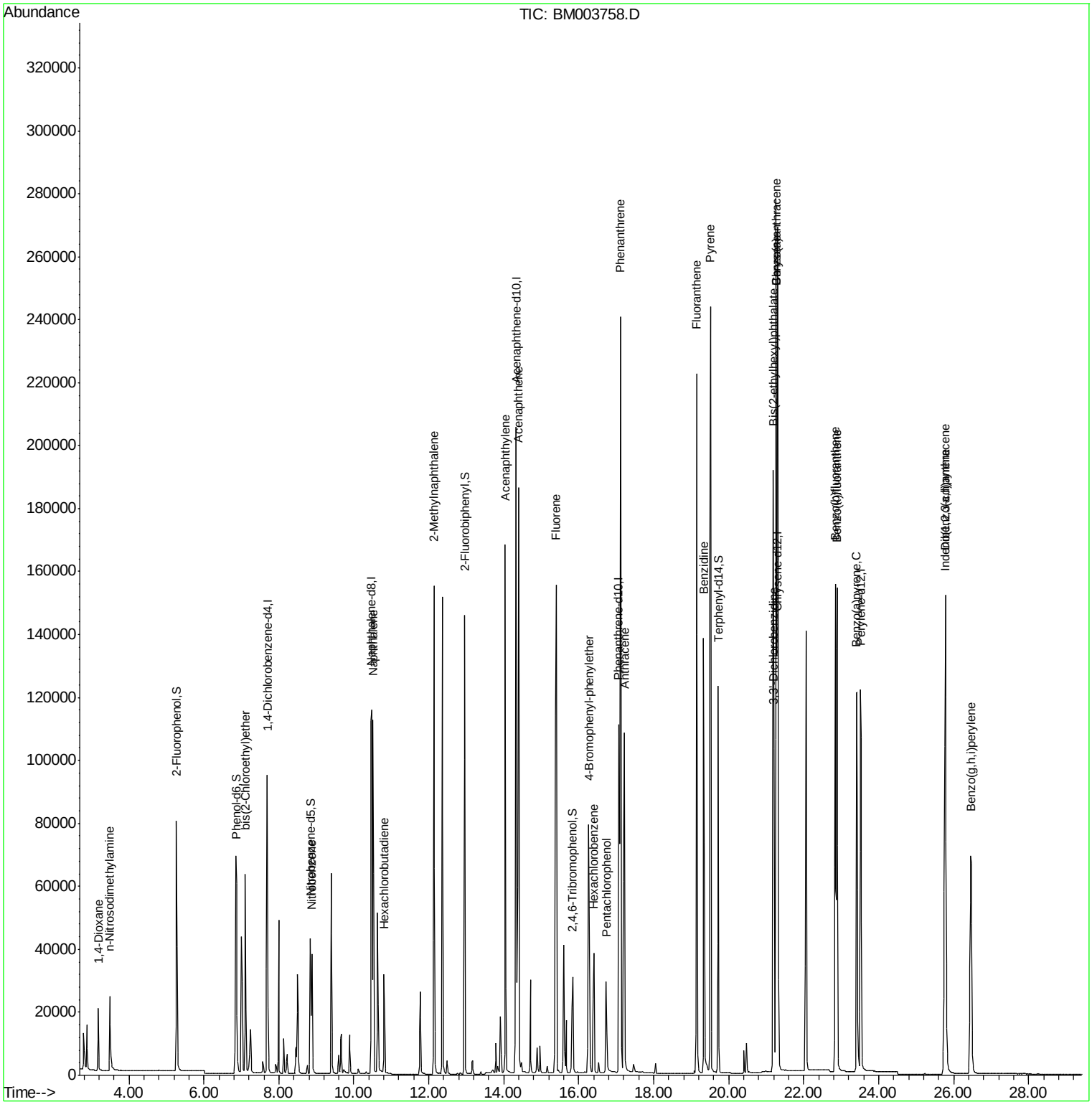
(#) = qualifier out of range (m) = manual integration (+) = signals summed

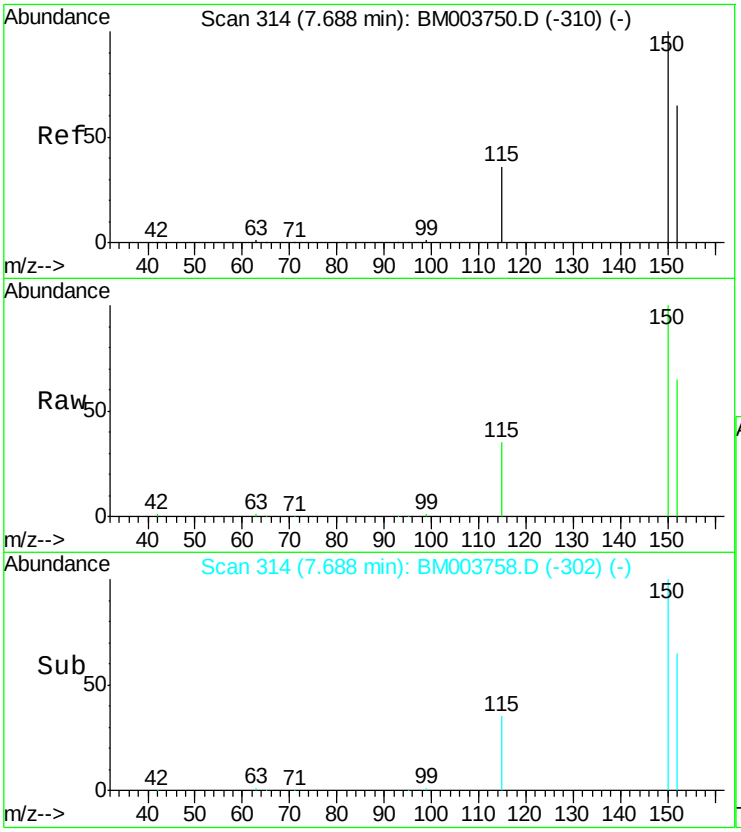
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003758.D
Acq On : 24 Dec 2015 01:37
Operator : UM/SJ
Sample : PB87313BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 24 03:00:35 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 02:52:28 2015
Response via : Initial Calibration



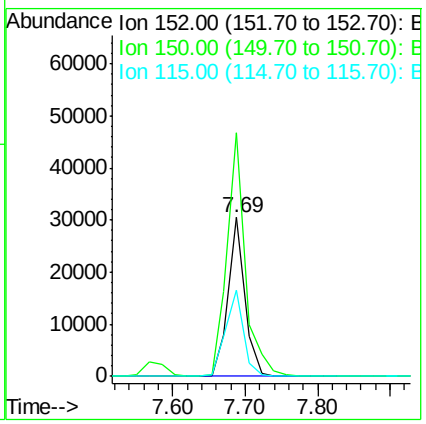


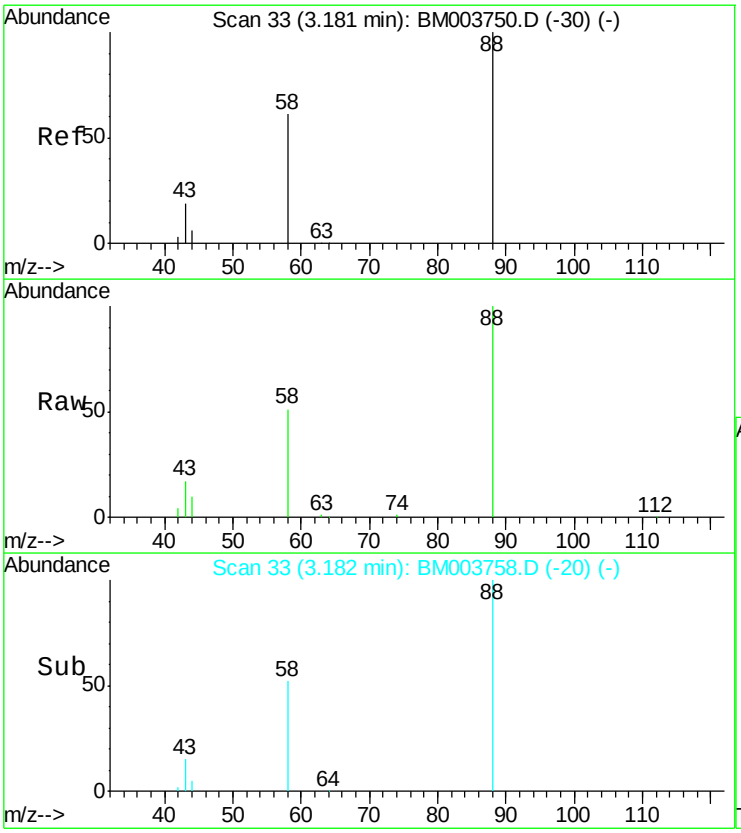
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 48133

Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.9	184.3
115	54.1	44.4	66.6

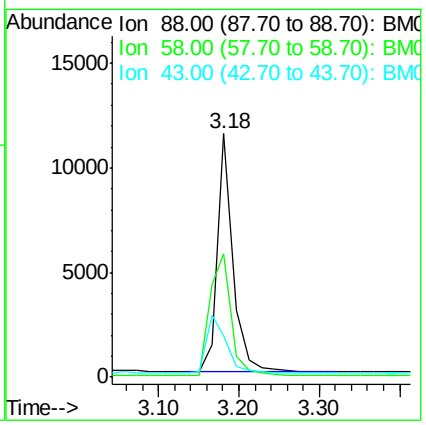


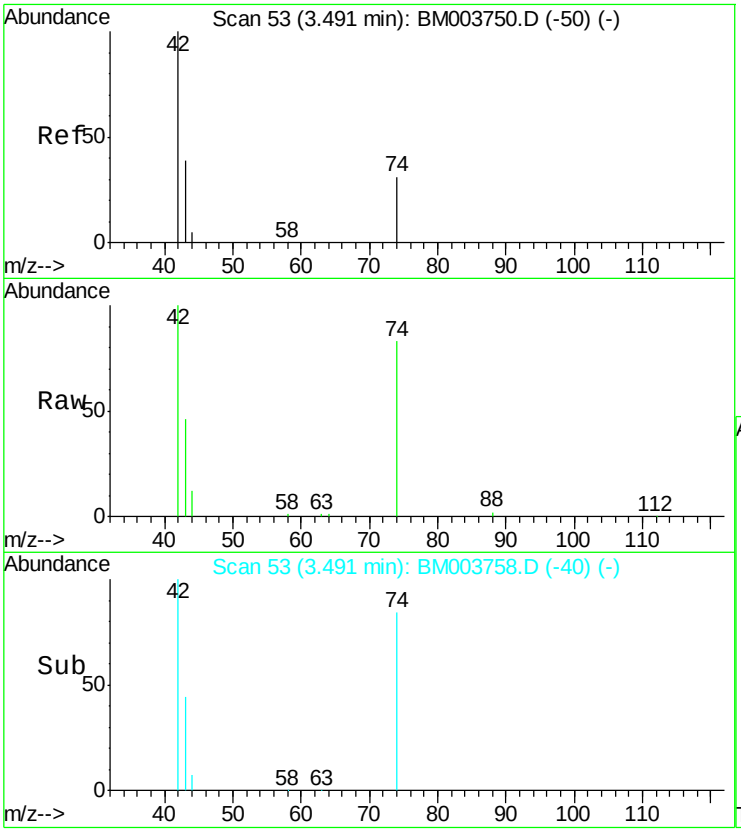


#2
1,4-Dioxane
Concen: 3.51 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion: 88 Resp: 15437

Ion	Ratio	Lower	Upper
88	100		
58	70.1	53.8	80.6
43	30.3	23.8	35.6



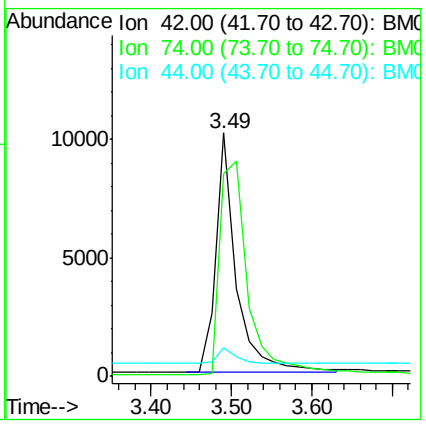


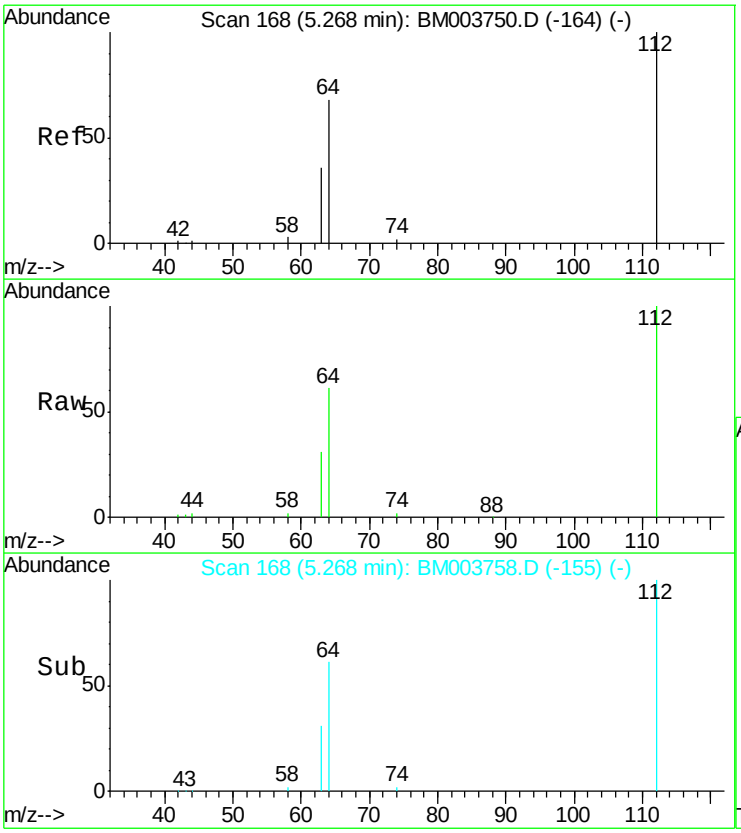
#3
n-Nitrosodimethylamine
Concen: 3.62 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 42 Resp: 17917

Ion	Ratio	Lower	Upper
42	100		
74	122.4	95.0	142.4
44	6.5	5.1	7.7

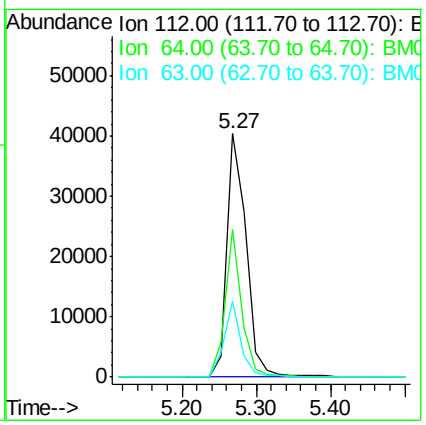


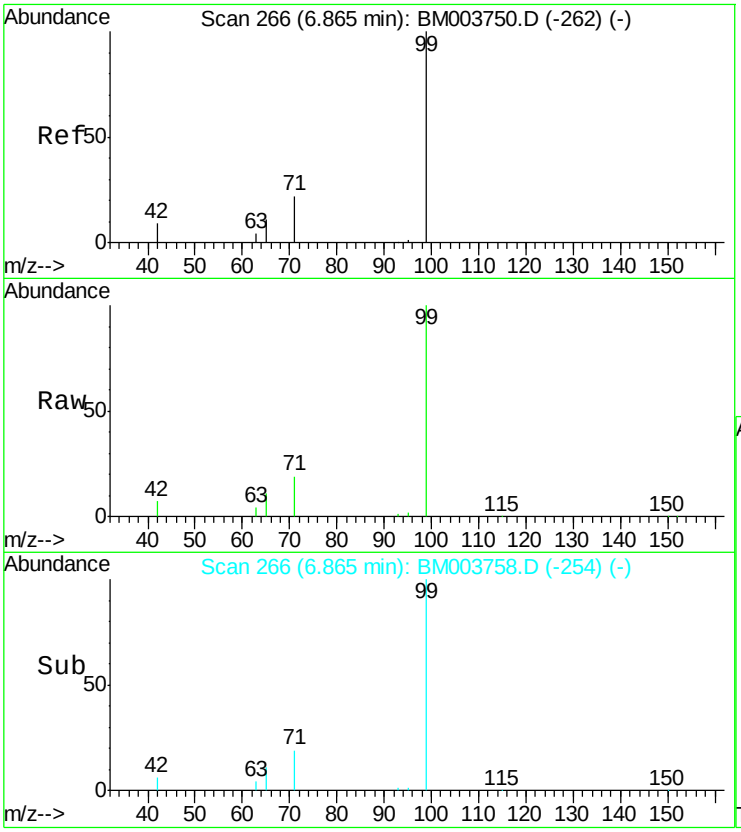


#4
2-Fluorophenol
Concen: 6.58 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:112 Resp: 72243

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.8	62.8
63	27.3	22.1	33.1



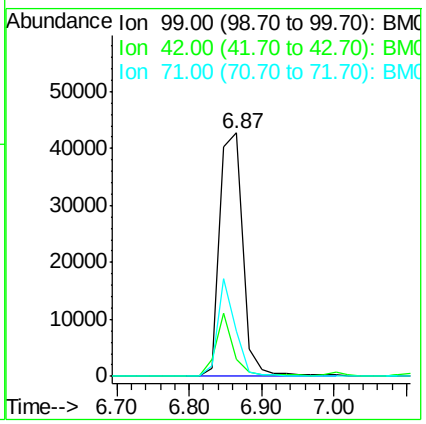


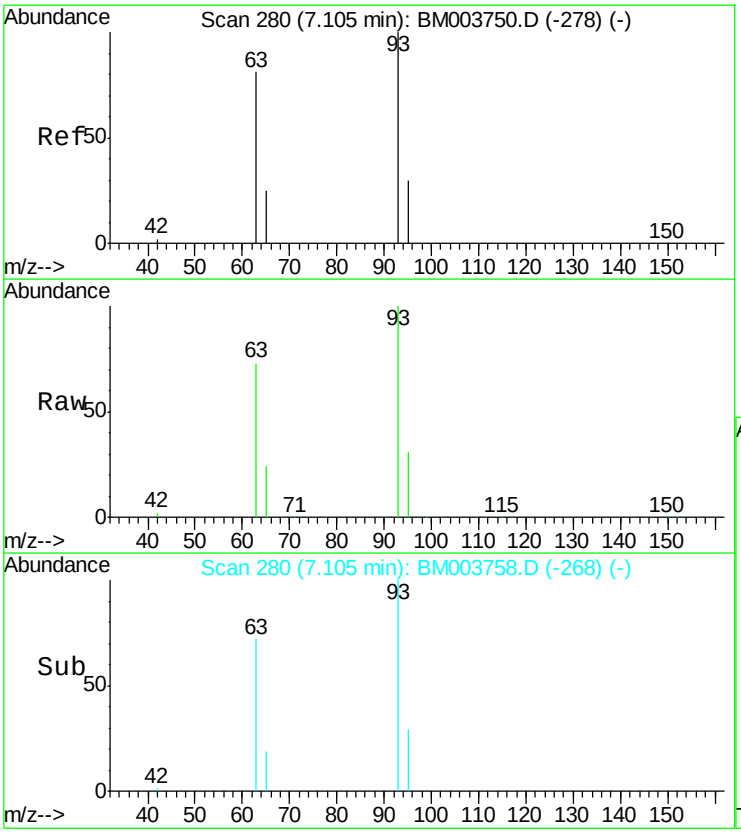
#5
Phenol-d6
Concen: 7.01 ng
RT: 6.87 min Scan# 266
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 94657

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.2	24.2
71	30.6	24.4	36.6

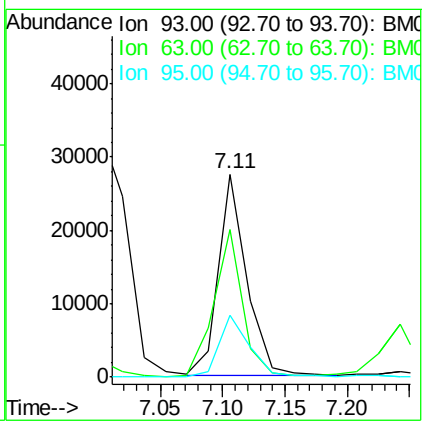


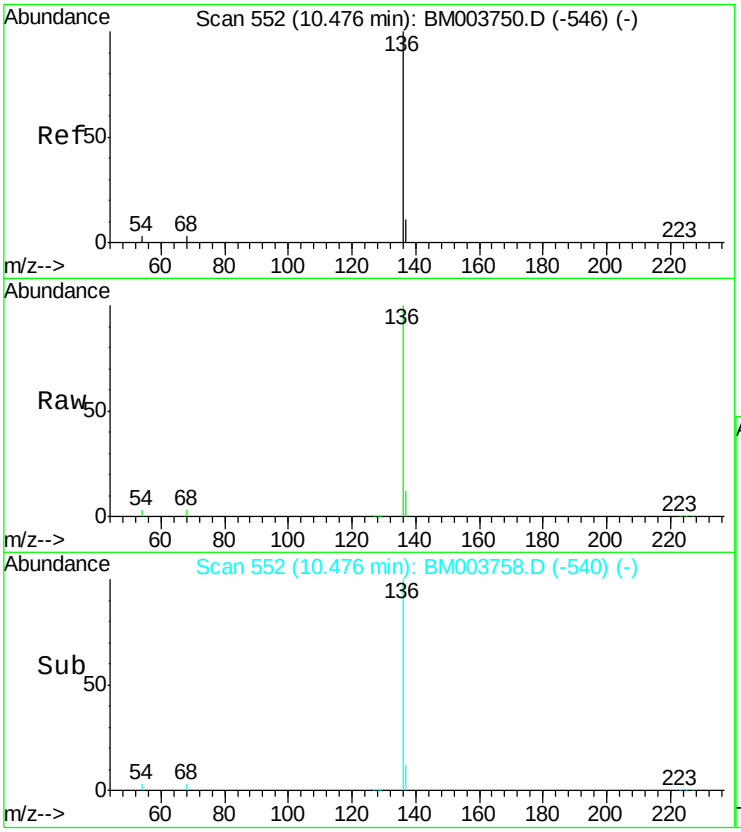


#6
bis(2-Chloroethyl)ether
Concen: 3.65 ng
RT: 7.11 min Scan# 280
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion: 93 Resp: 43577

Ion	Ratio	Lower	Upper
93	100		
63	73.7	58.3	87.5
95	32.7	25.8	38.8



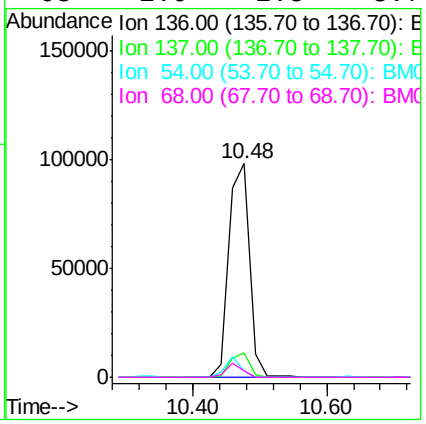


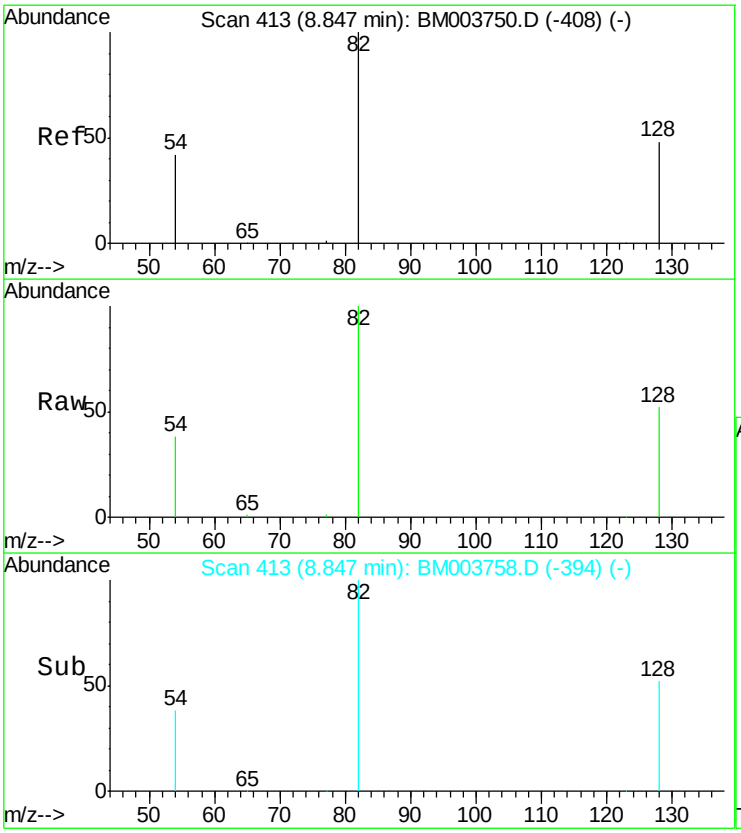
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.48 min Scan# 552
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 209456

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	3.3	2.8	4.2
68	2.9	2.5	3.7

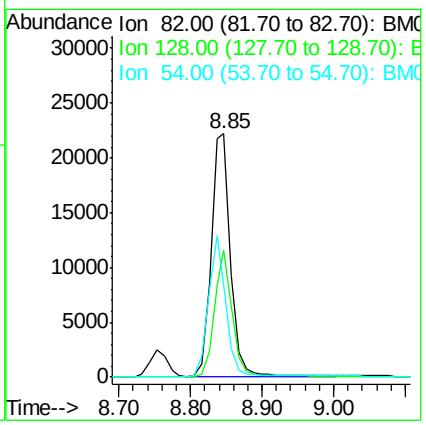


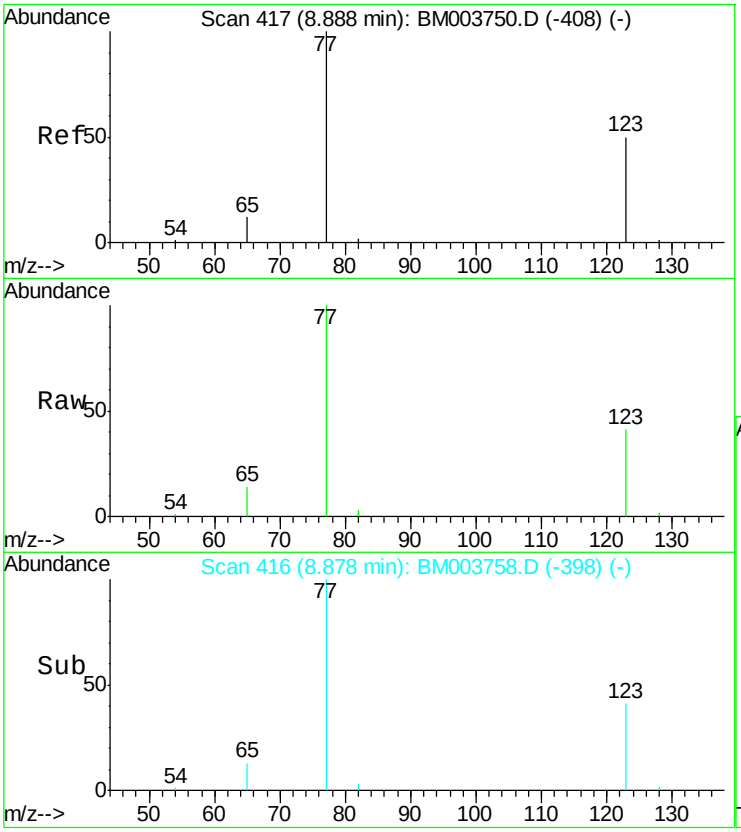


#8
Nitrobenzene-d5
Concen: 3.87 ng
RT: 8.85 min Scan# 413
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion: 82 Resp: 41639

Ion	Ratio	Lower	Upper
82	100		
128	52.0	39.1	58.7
54	38.0	34.8	52.2



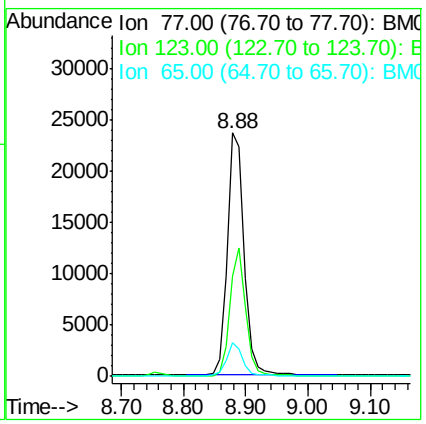


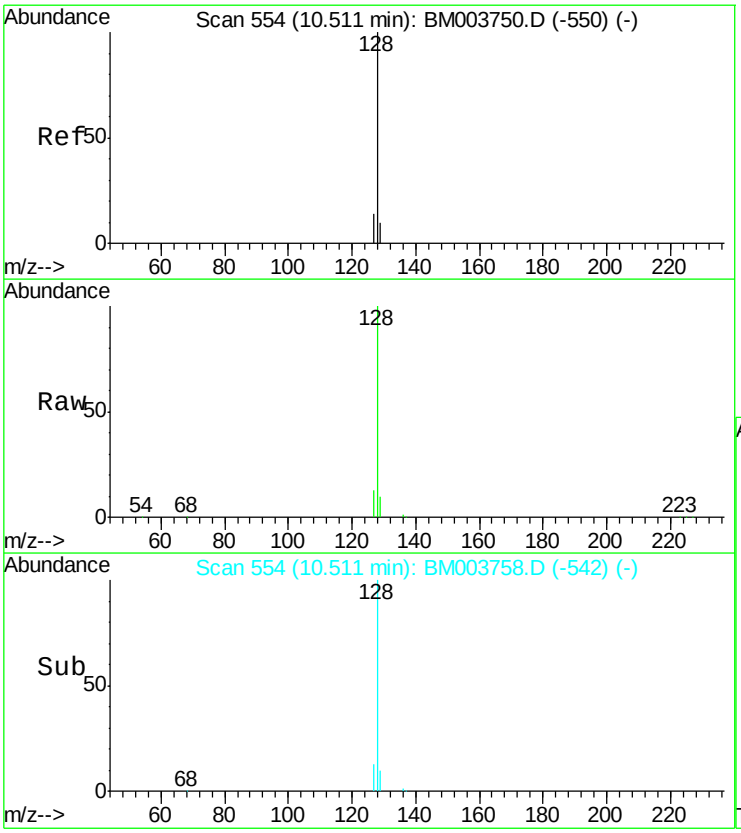
#9
Nitrobenzene
Concen: 3.64 ng
RT: 8.88 min Scan# 416
Delta R.T. -0.01 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 44673

Ion	Ratio	Lower	Upper
77	100		
123	49.7	38.6	57.8
65	12.8	9.9	14.9

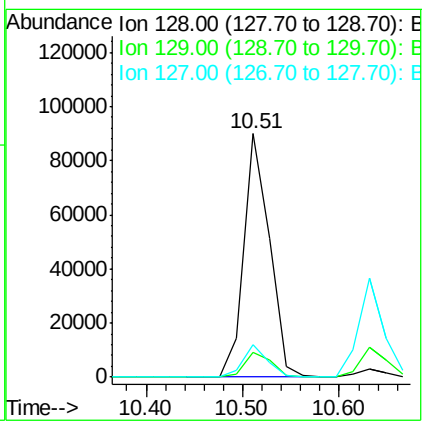


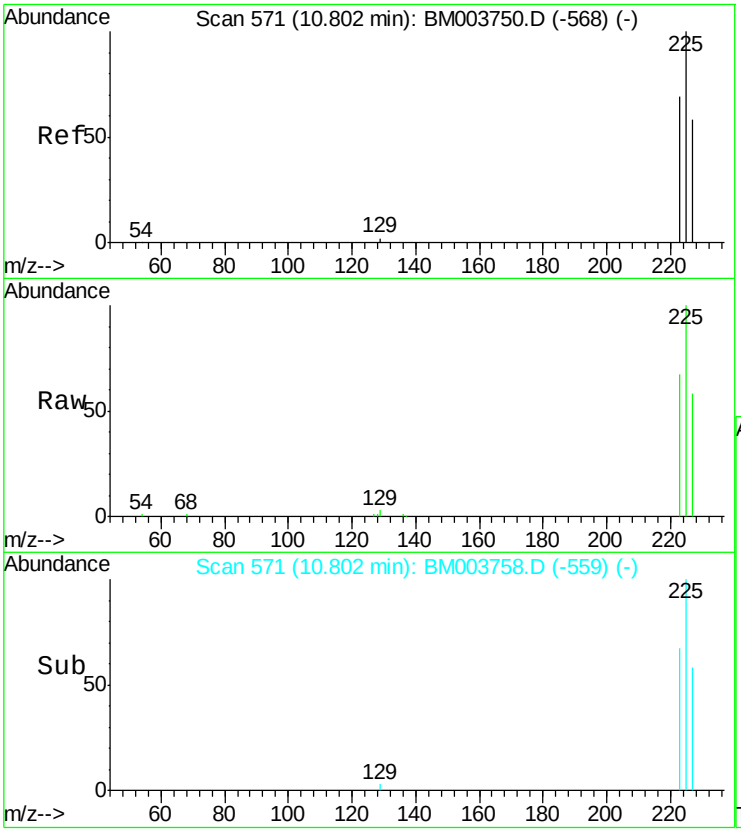


#10
Naphthalene
Concen: 3.60 ng
RT: 10.51 min Scan# 554
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:128 Resp: 165486

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.5	12.7
127	13.5	11.0	16.4



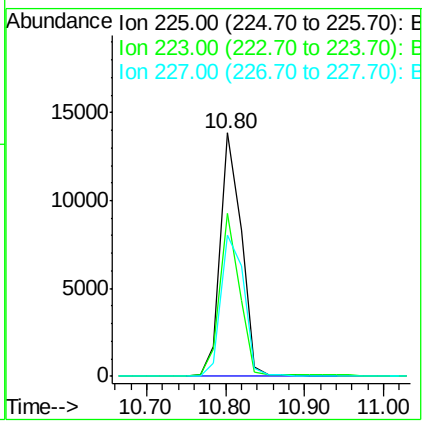


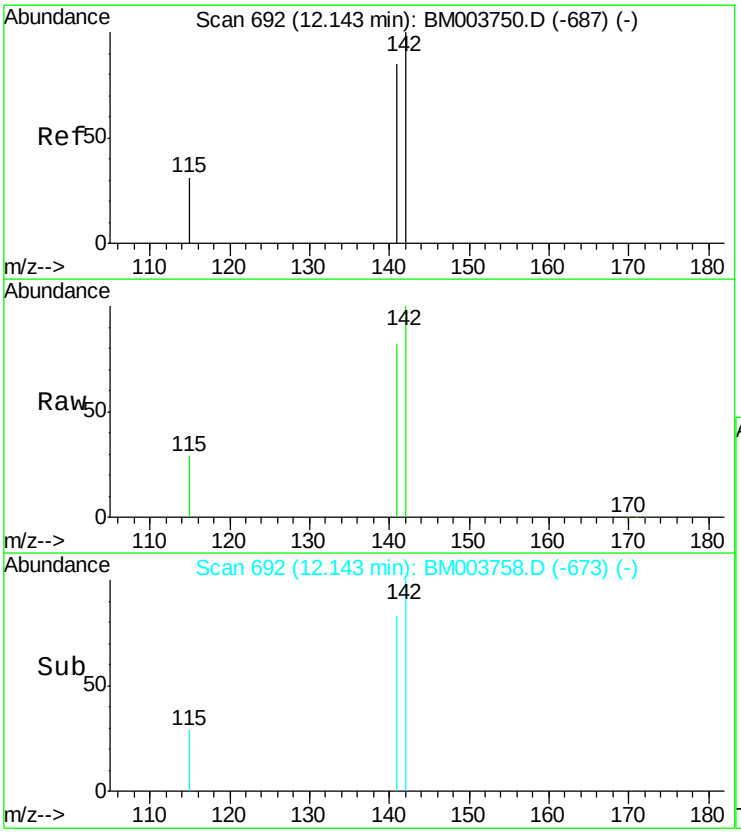
#11
Hexachlorobutadiene
Concen: 3.53 ng
RT: 10.80 min Scan# 571
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:225 Resp: 25037

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.9	76.3
227	63.7	51.2	76.8

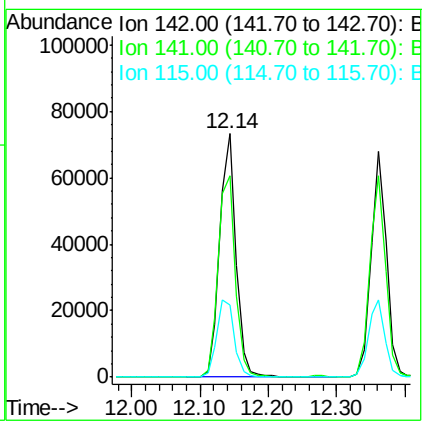


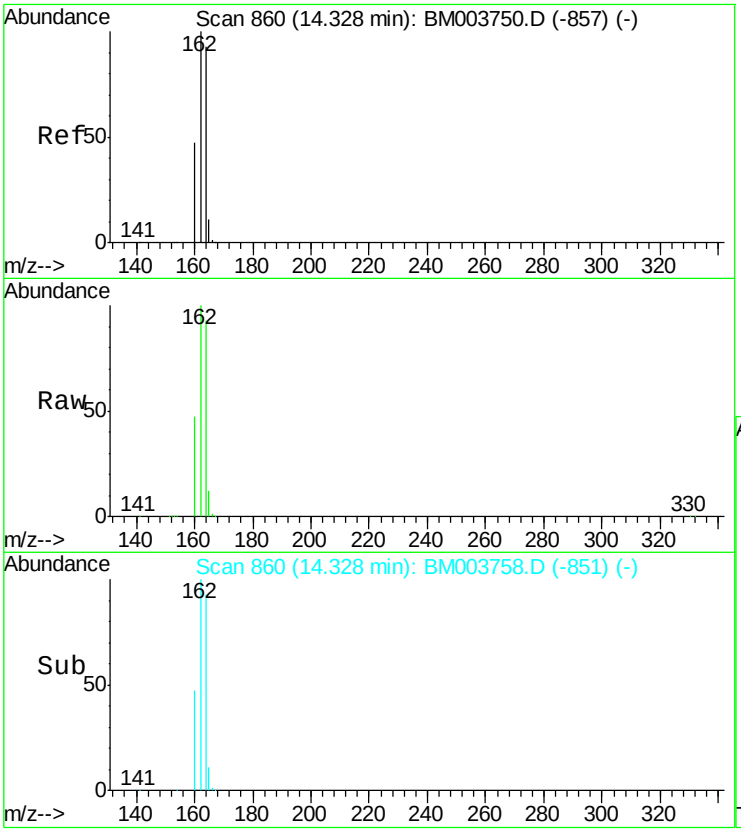


#12
2-Methylnaphthalene
Concen: 3.90 ng
RT: 12.14 min Scan# 692
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:142 Resp: 119543

Ion	Ratio	Lower	Upper
142	100		
141	82.5	67.8	101.8
115	29.4	25.3	37.9



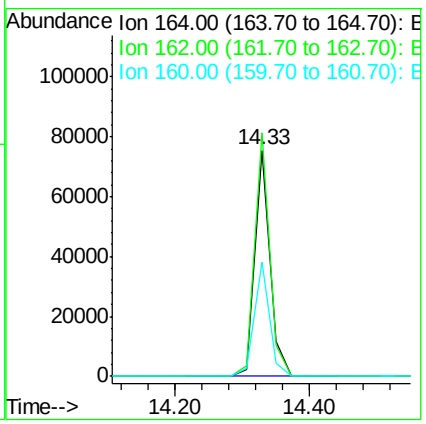


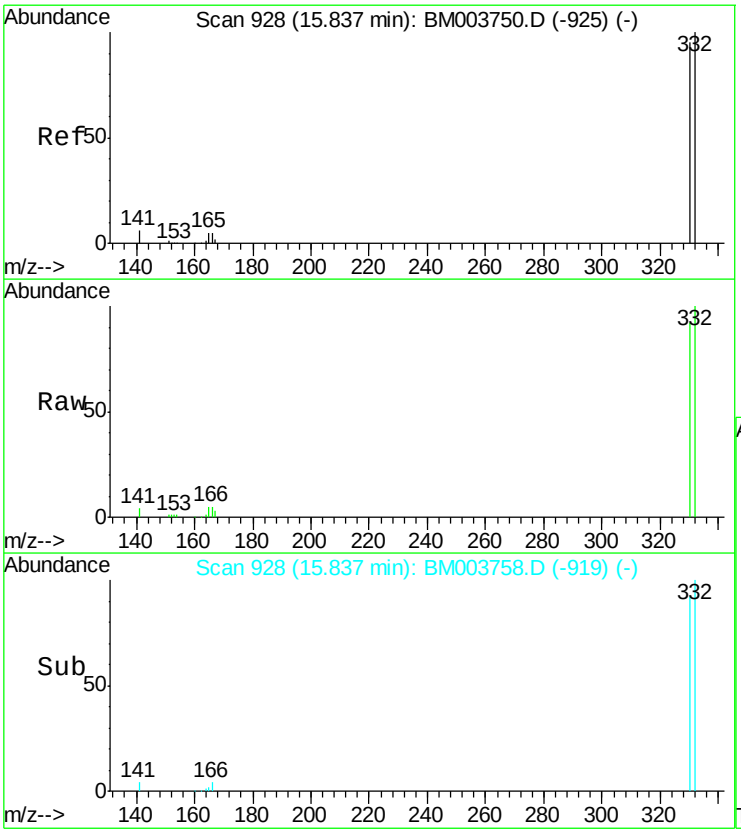
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:164 Resp: 119411

Ion	Ratio	Lower	Upper
164	100		
162	107.8	86.0	129.0
160	50.7	40.3	60.5

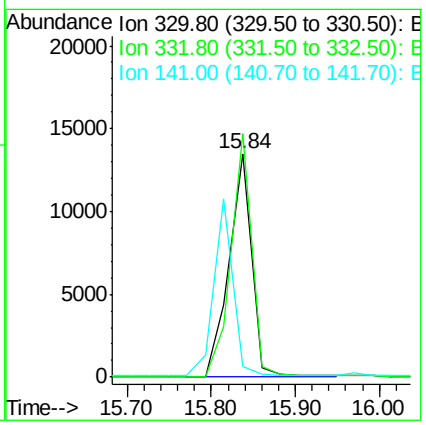


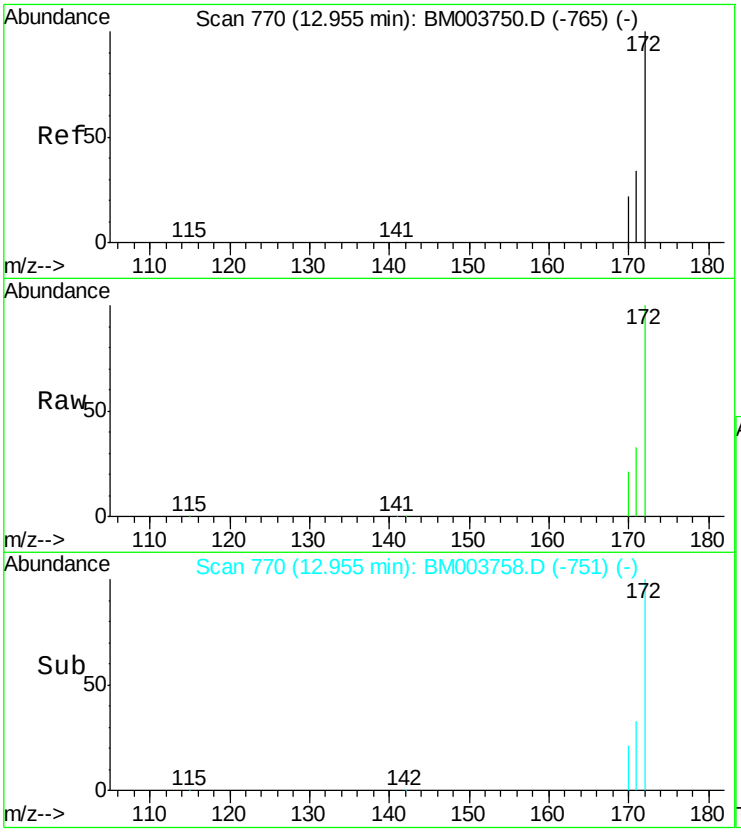


#14
2,4,6-Tribromophenol
Concen: 7.35 ng
RT: 15.84 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:330 Resp: 24699

Ion	Ratio	Lower	Upper
330	100		
332	100.0	79.0	118.4
141	0.0	0.0	0.0



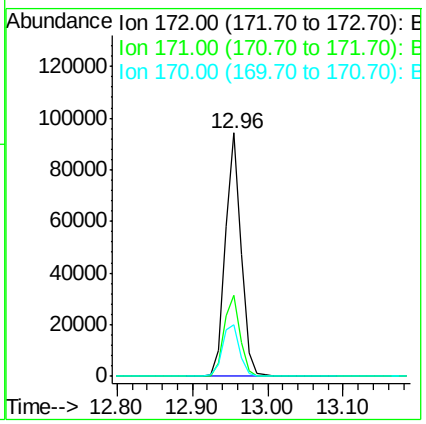


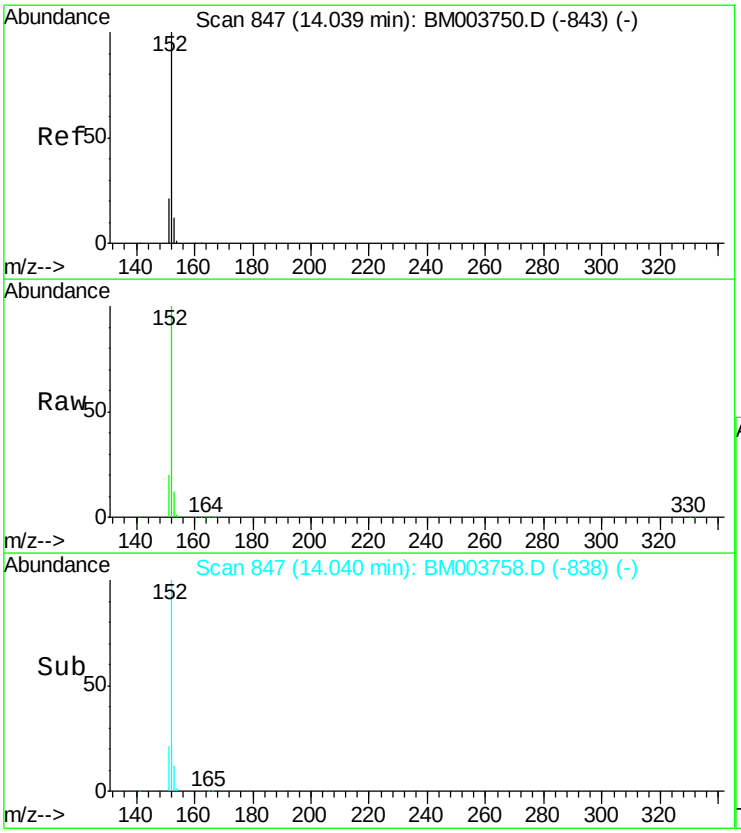
#15
2-Fluorobiphenyl
Concen: 3.99 ng
RT: 12.96 min Scan# 770
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:172 Resp: 138761

Ion	Ratio	Lower	Upper
172	100		
171	33.3	27.0	40.6
170	21.2	17.9	26.9

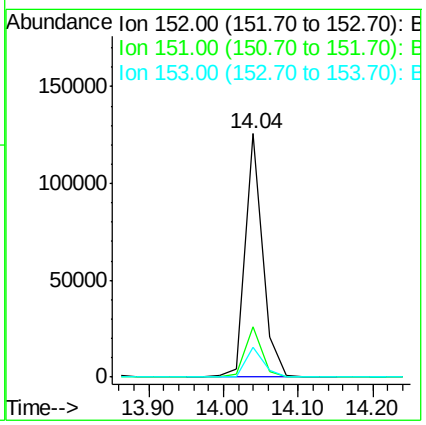


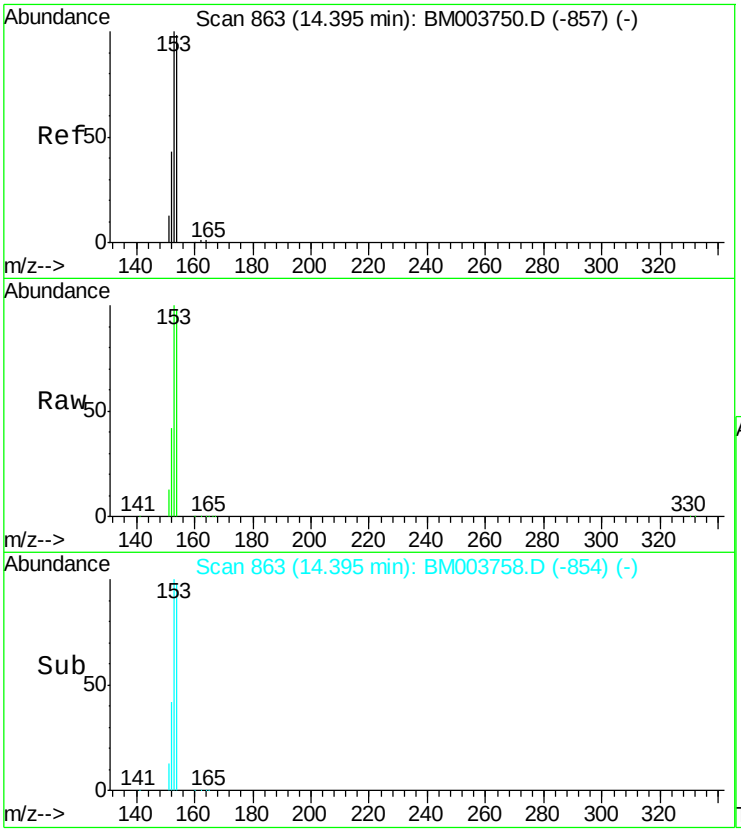


#16
Acenaphthylene
Concen: 3.86 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:152 Resp: 203373

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	12.8	10.2	15.4



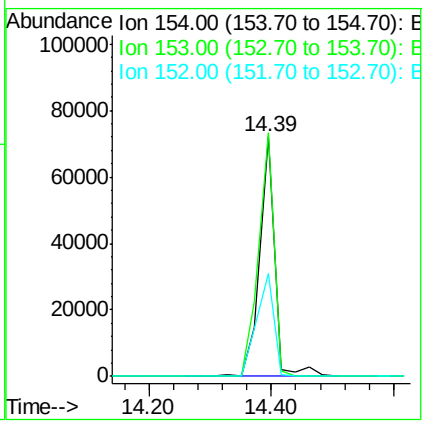


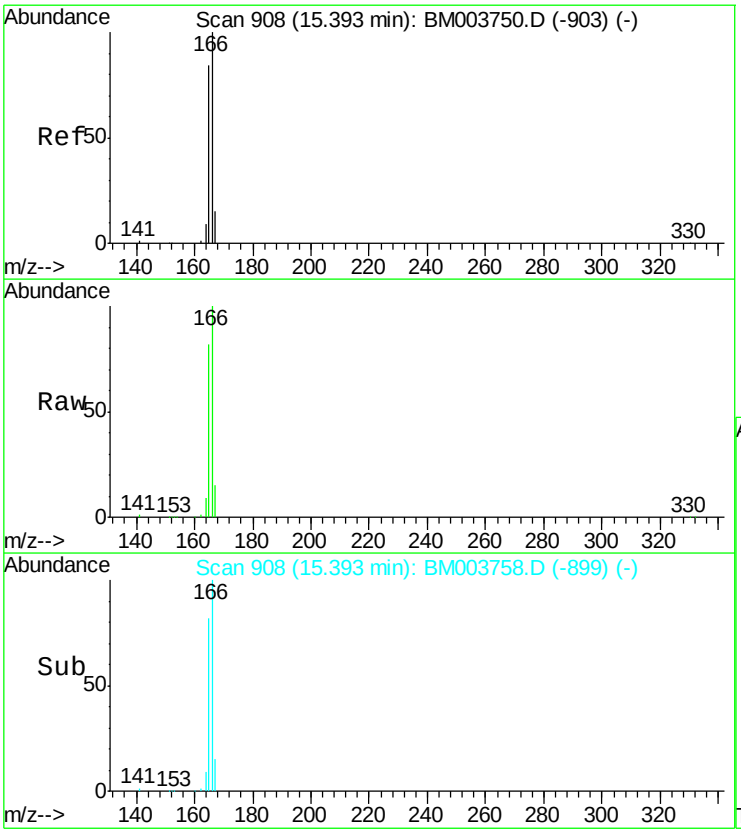
#17
Acenaphthene
Concen: 3.77 ng
RT: 14.39 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:154 Resp: 124892

Ion	Ratio	Lower	Upper
154	100		
153	104.0	85.4	128.2
152	49.1	40.6	60.8

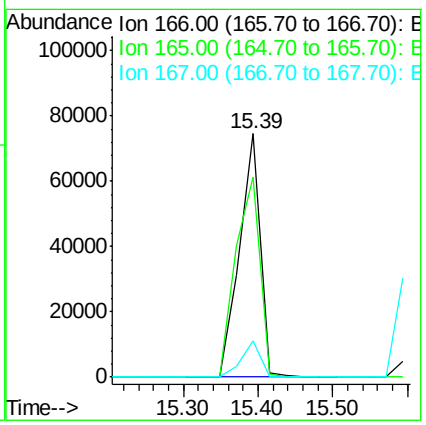


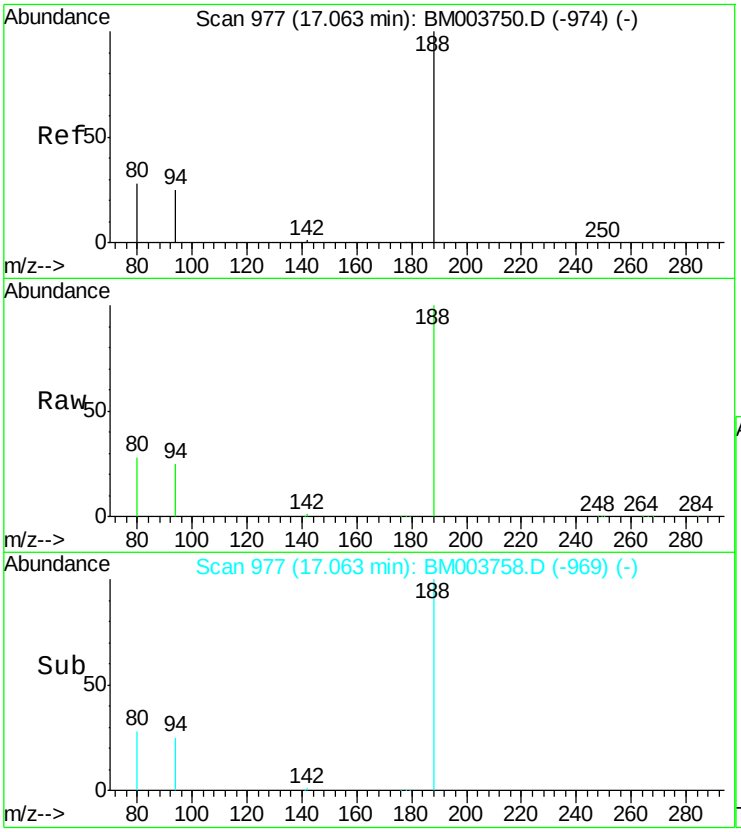


#18
Fluorene
Concen: 3.60 ng
RT: 15.39 min Scan# 908
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:166 Resp: 143426

Ion	Ratio	Lower	Upper
166	100		
165	95.7	77.2	115.8
167	13.7	11.0	16.6



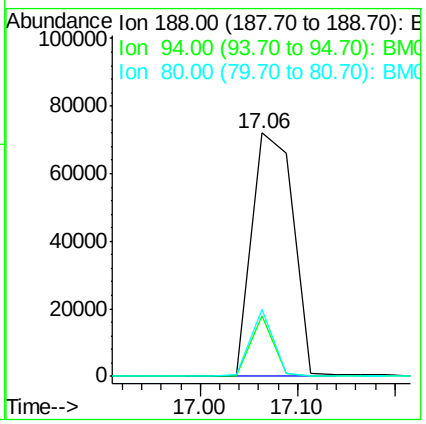


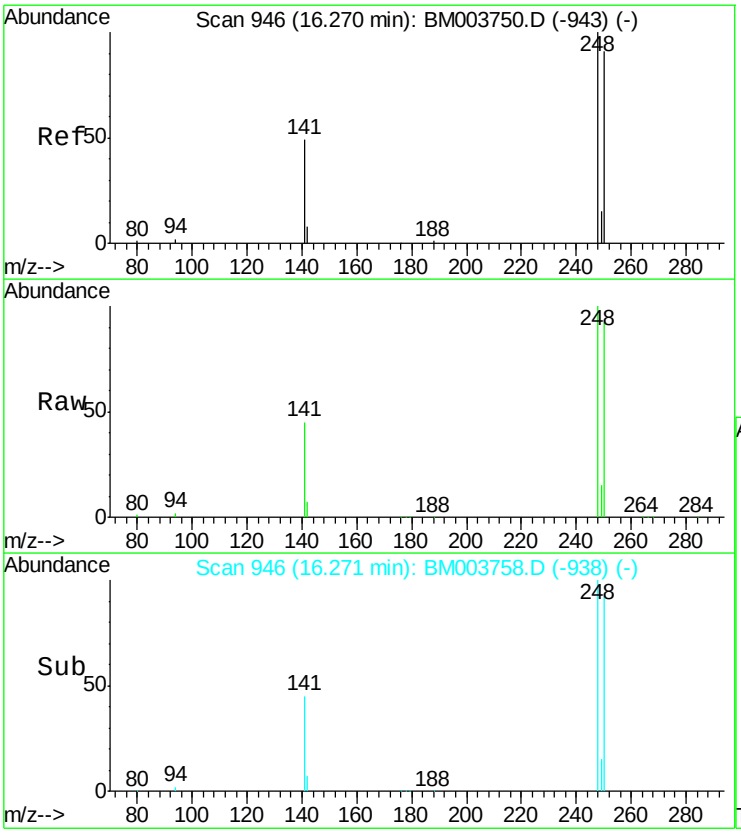
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:188 Resp: 213252

Ion	Ratio	Lower	Upper
188	100		
94	25.0	20.3	30.5
80	27.7	22.2	33.4

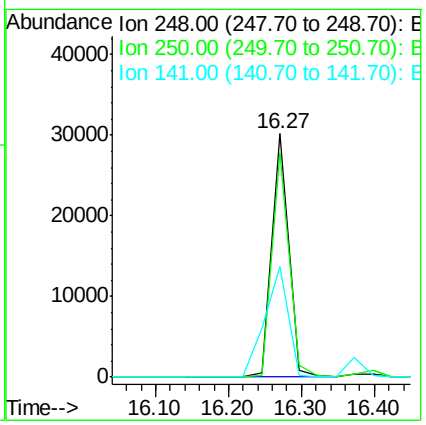


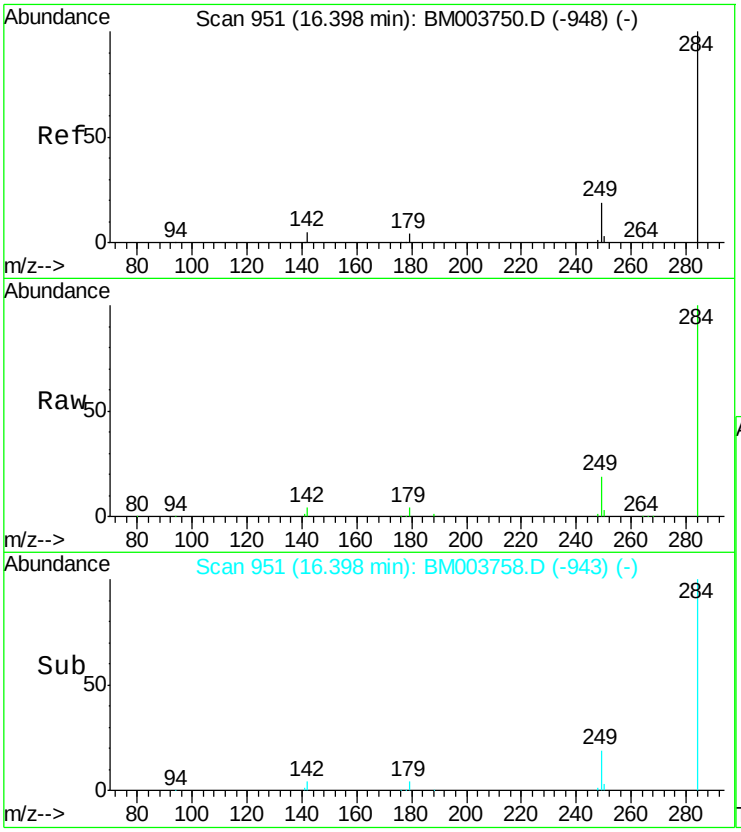


#20
4-Bromophenyl-phenylether
Concen: 4.95 ng
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:248 Resp: 48226

Ion	Ratio	Lower	Upper
248	100		
250	94.0	75.0	112.4
141	63.1	53.0	79.4



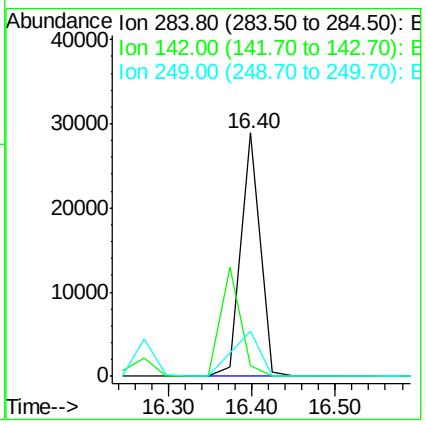


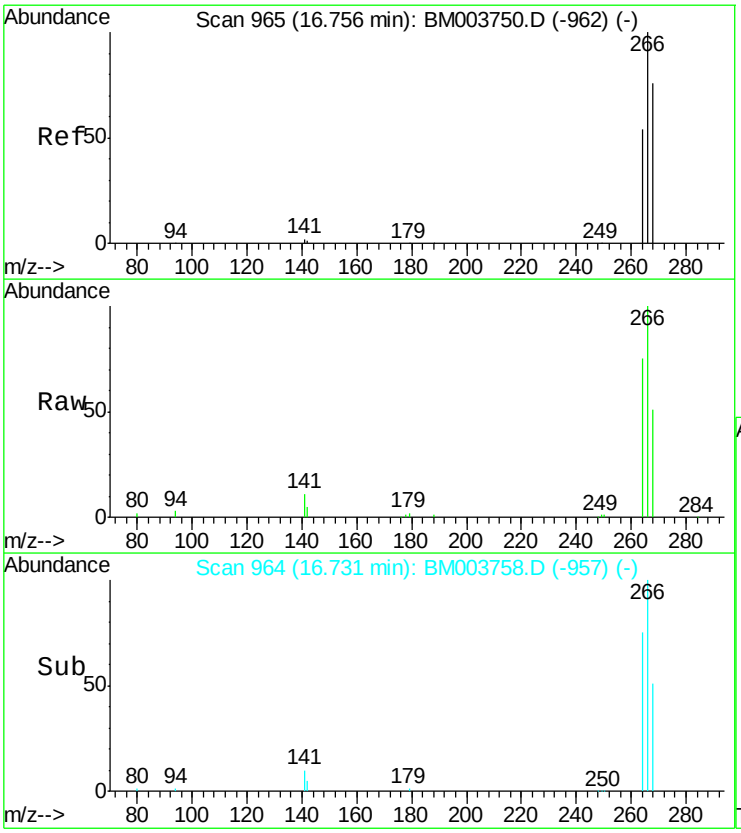
#21
Hexachlorobenzene
Concen: 5.09 ng
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:284 Resp: 46547

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	26.6	21.5	32.3

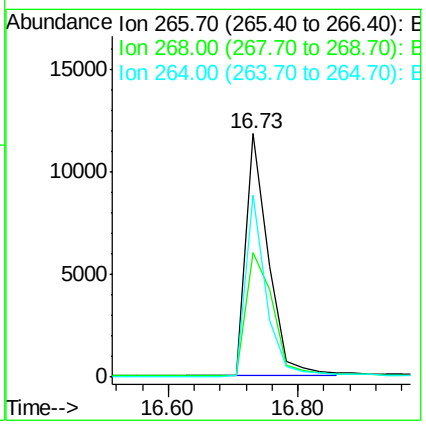


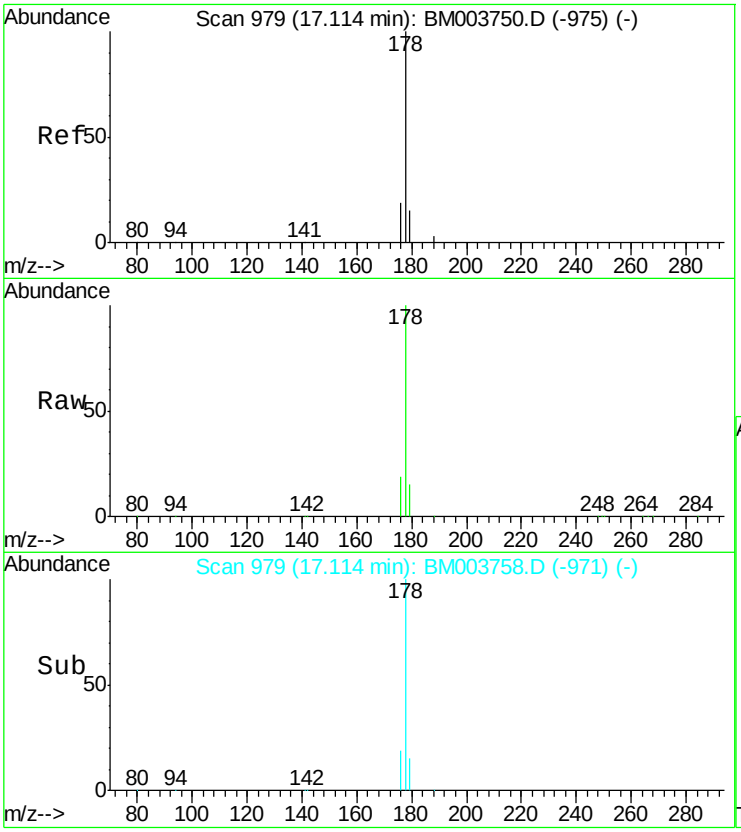


#22
Pentachlorophenol
Concen: 6.39 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.02 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:266 Resp: 28650

Ion	Ratio	Lower	Upper
266	100		
268	51.0	62.7	94.1#
264	74.9	45.7	68.5#



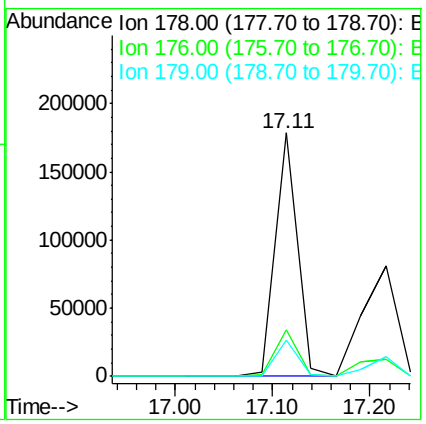


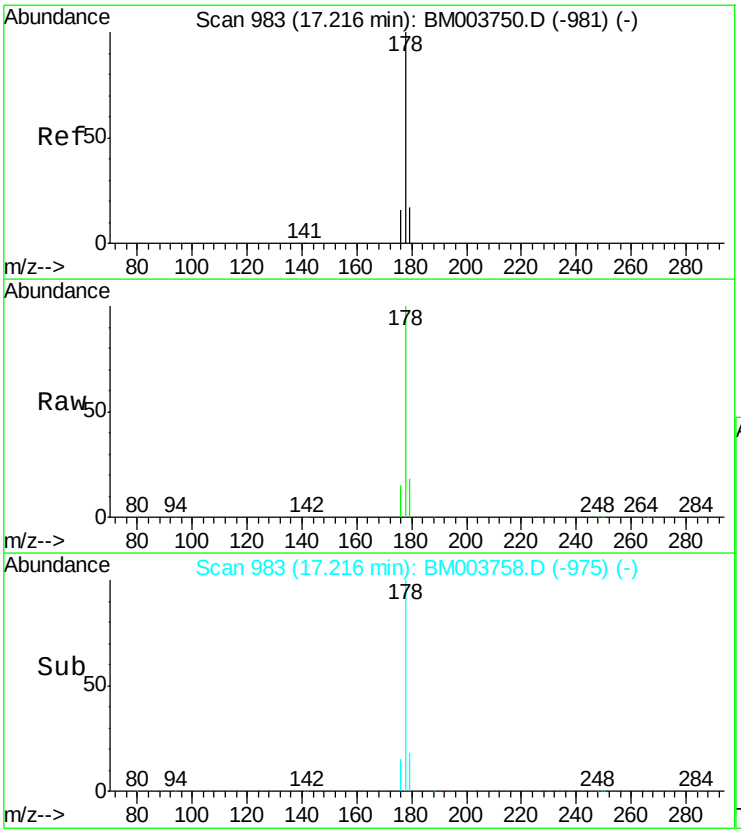
#23
Phenanthrene
Concen: 4.26 ng
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 288303

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.0	12.2	18.4

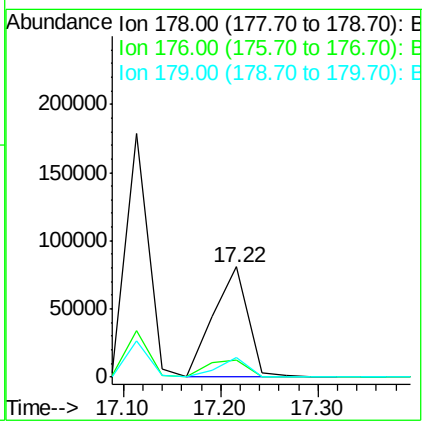


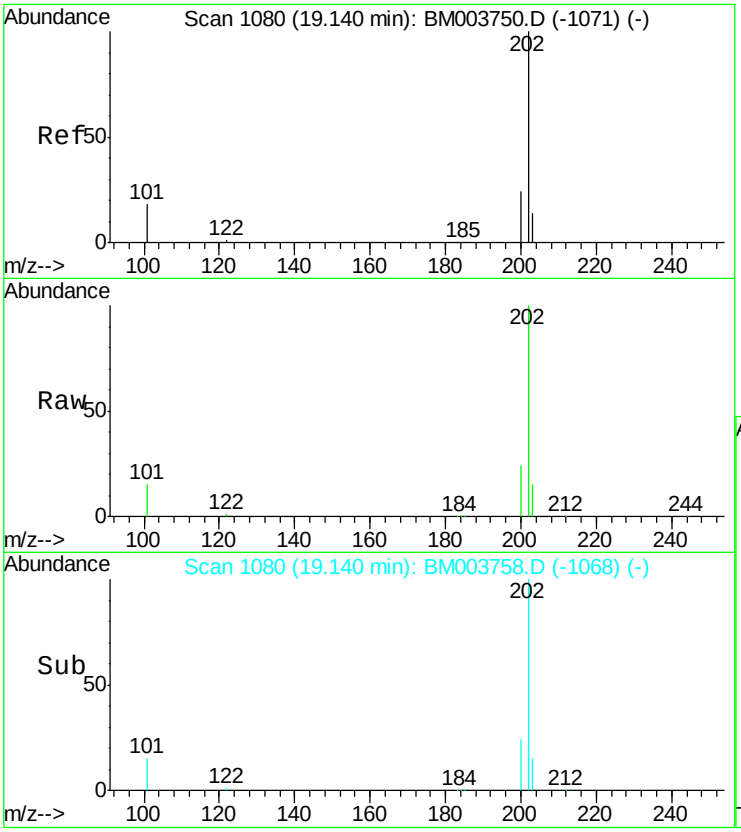


#24
Anthracene
Concen: 3.93 ng
RT: 17.22 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:178 Resp: 196274

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.9	12.6	19.0



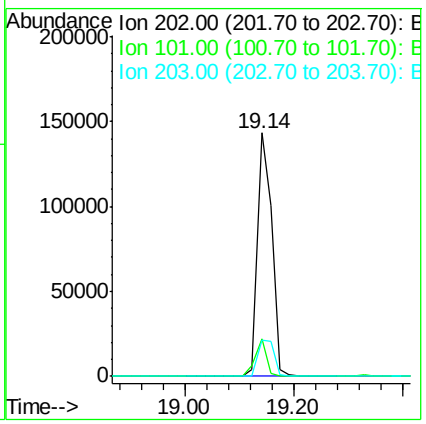


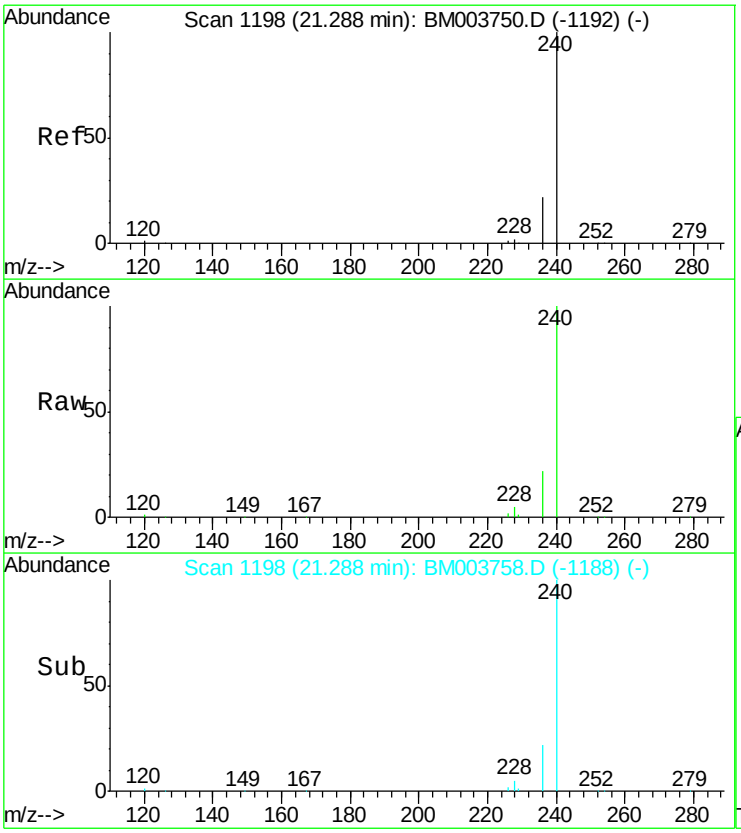
#25
Fluoranthene
Concen: 4.02 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 262461

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
203	17.3	13.8	20.8

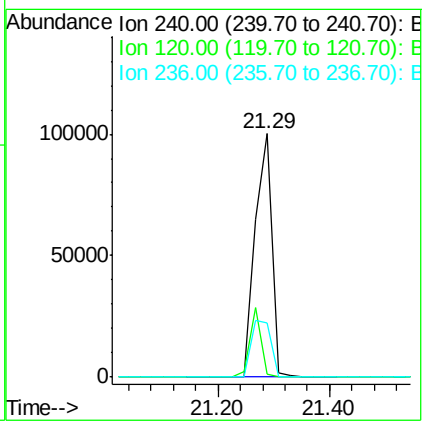


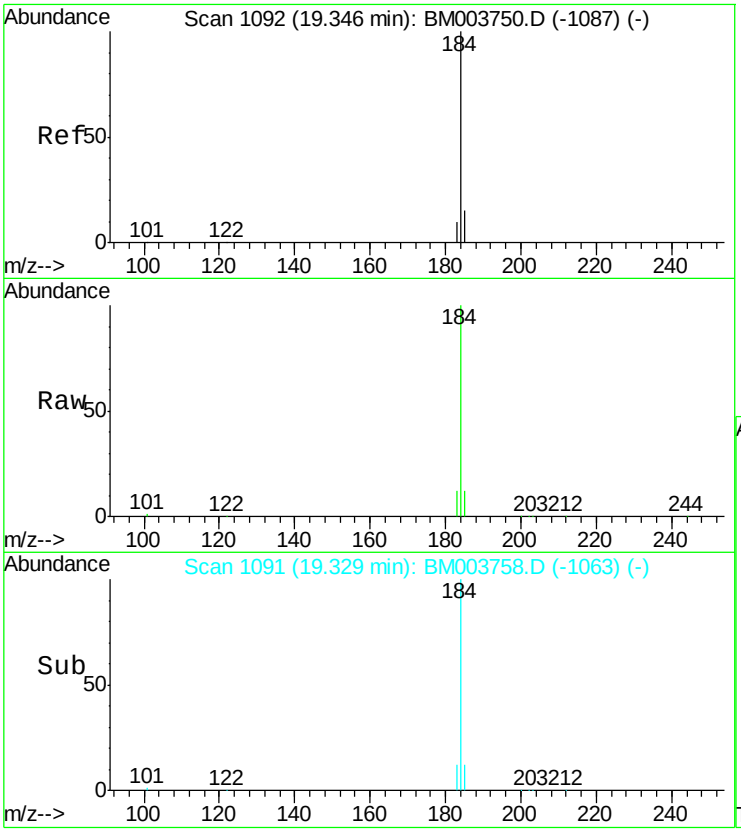


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:240 Resp: 206733

Ion	Ratio	Lower	Upper
240	100		
120	1.0	0.9	1.3
236	22.0	17.3	25.9



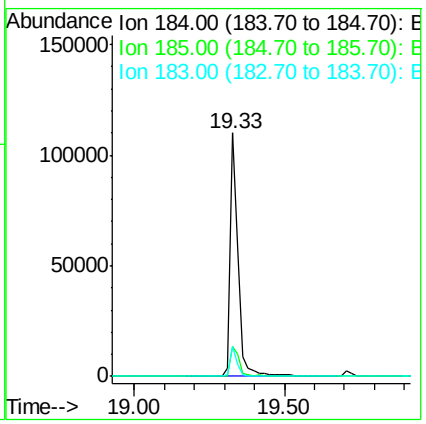


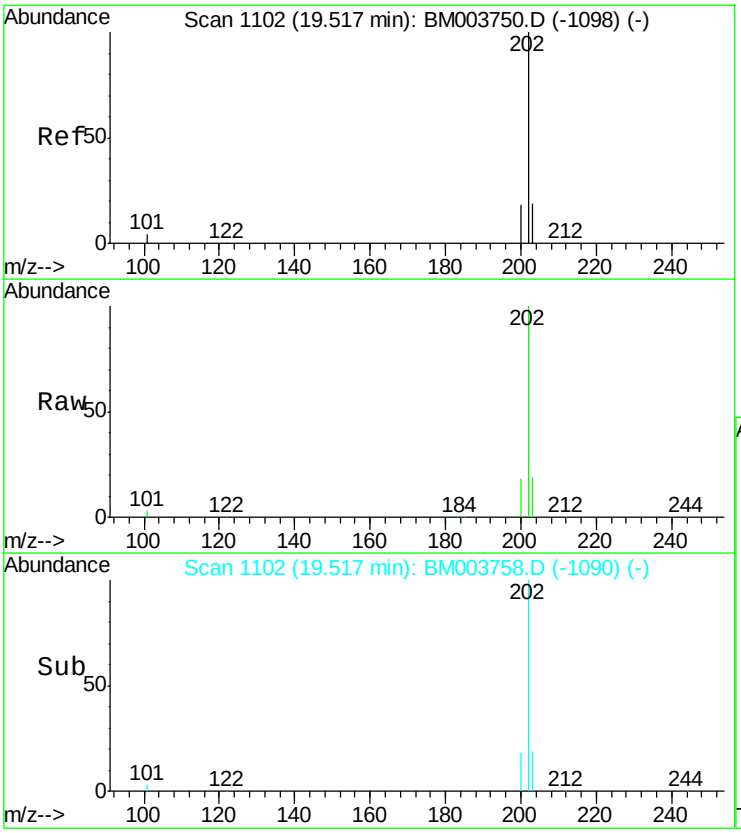
#27
Benzidine
Concen: 7.61 ng
RT: 19.33 min Scan# 1091
Delta R.T. -0.02 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:184 Resp: 200828

Ion	Ratio	Lower	Upper
184	100		
185	12.1	13.2	19.8#
183	12.4	9.0	13.6

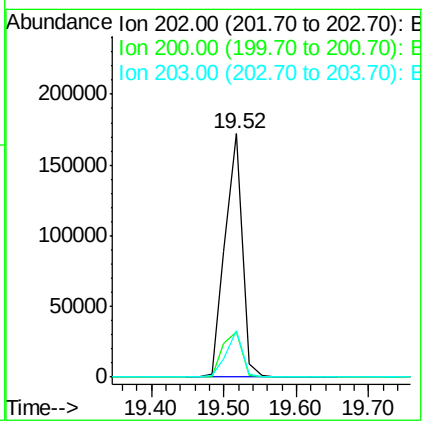


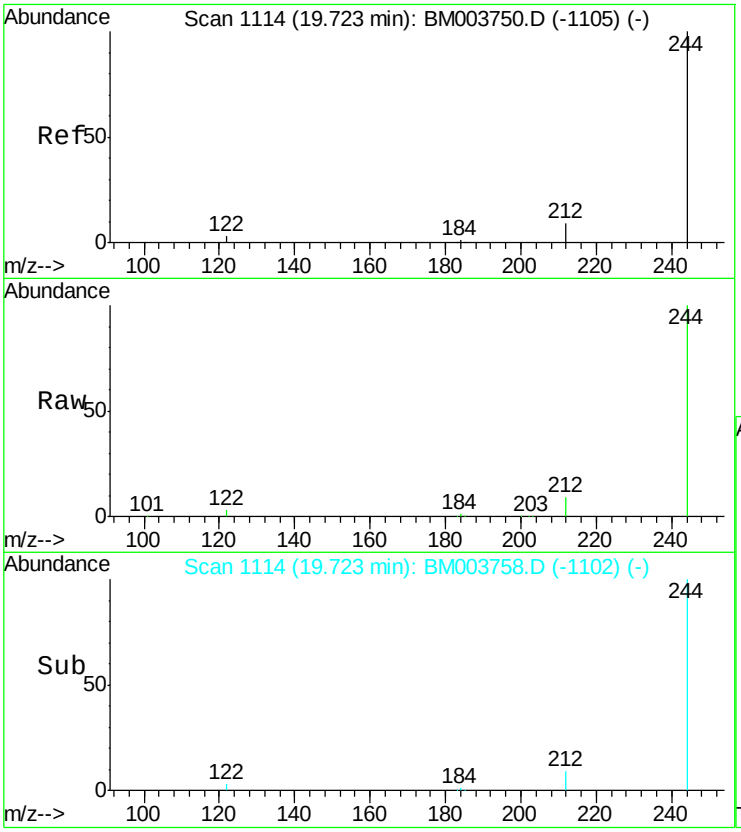


#28
Pyrene
Concen: 4.14 ng
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:202 Resp: 281820

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	24.8
203	17.9	14.0	21.0



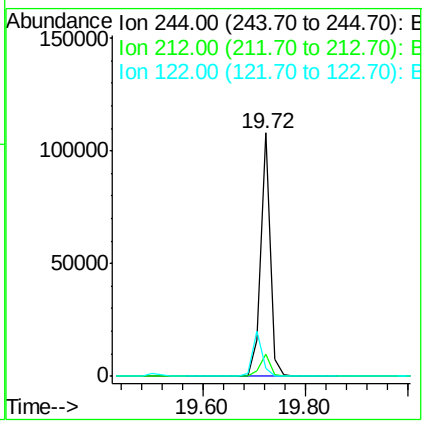


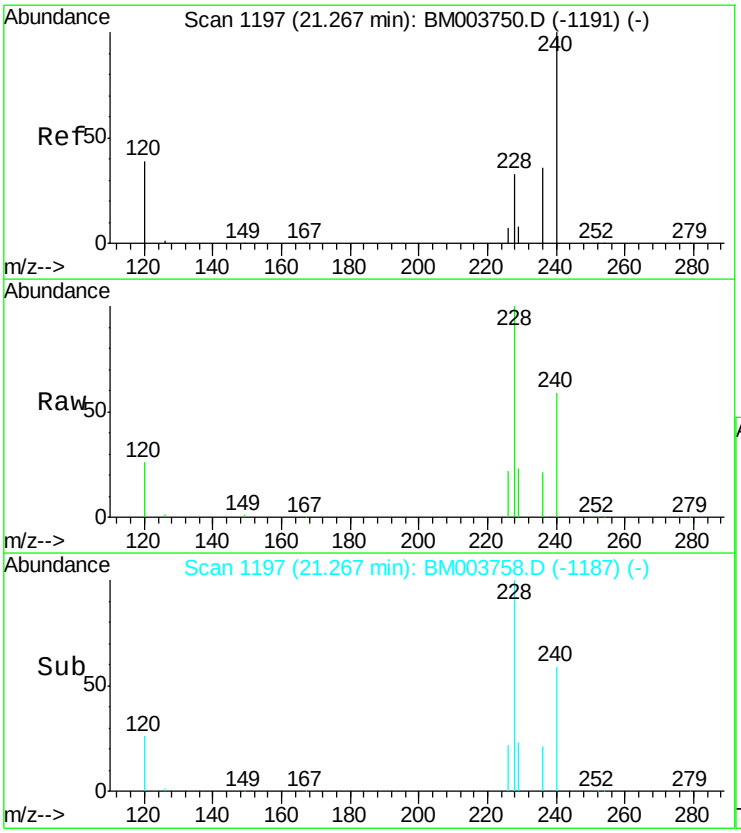
#29
Terphenyl-d14
Concen: 4.15 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:244 Resp: 135925

Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.6
122	3.2	3.0	4.6

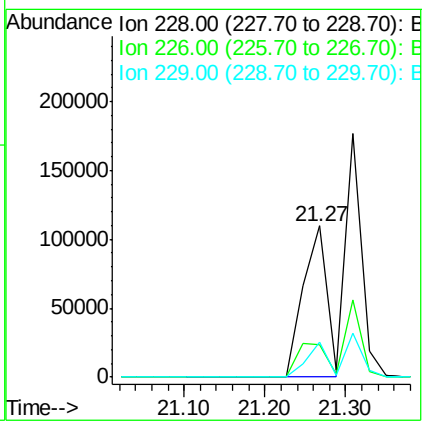


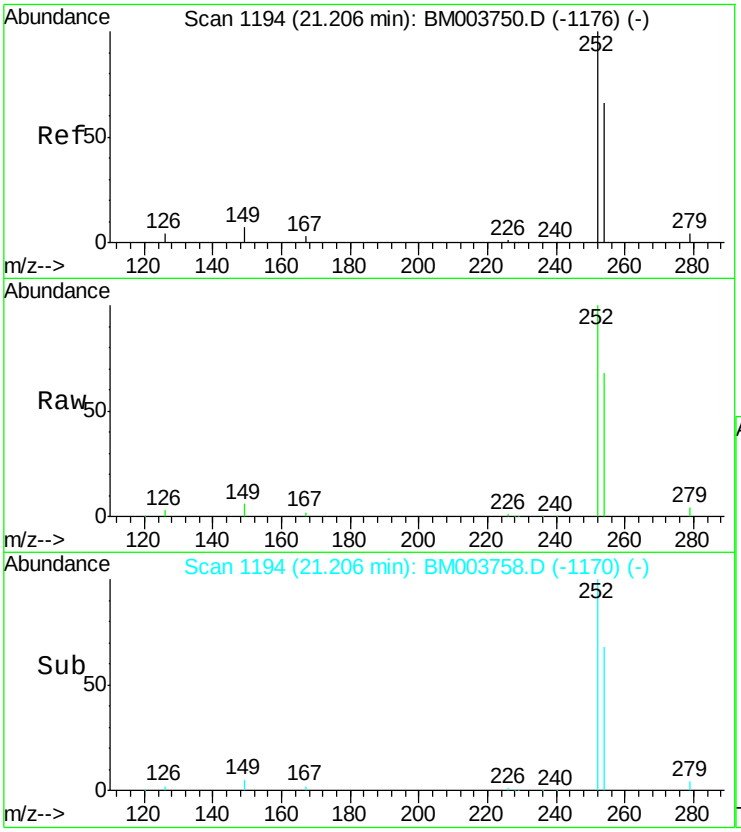


#30
Benzo(a)anthracene
Concen: 3.62 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:228 Resp: 223477

Ion	Ratio	Lower	Upper
228	100		
226	21.6	17.2	25.8
229	23.2	18.7	28.1



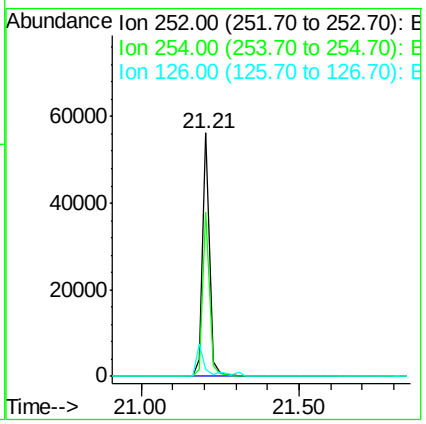


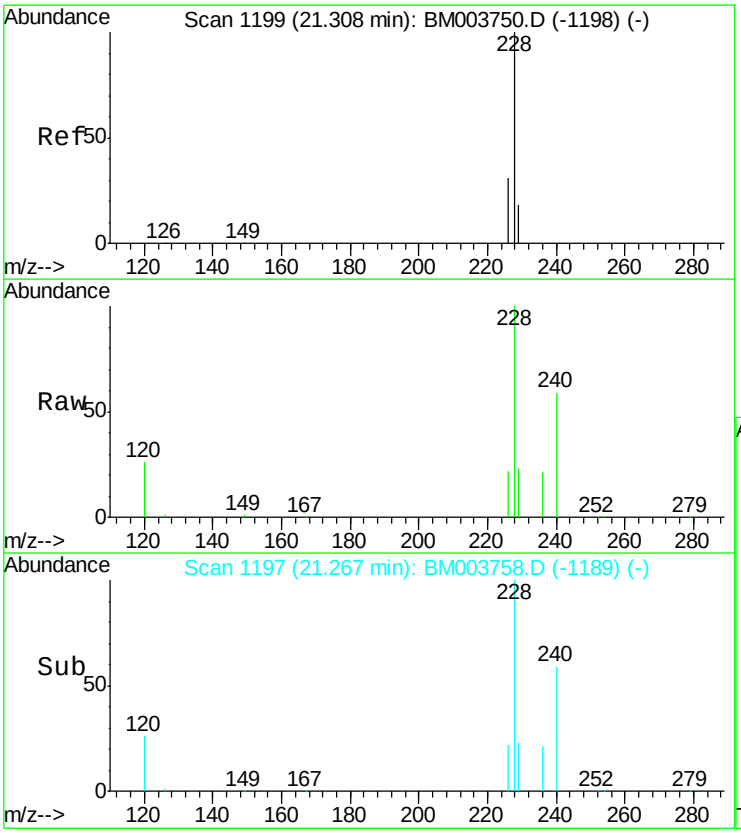
#31
3,3'-Dichlorobenzidine
Concen: 3.90 ng
RT: 21.21 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 80576

Ion	Ratio	Lower	Upper
252	100		
254	67.6	52.6	79.0
126	2.7	3.7	5.5#

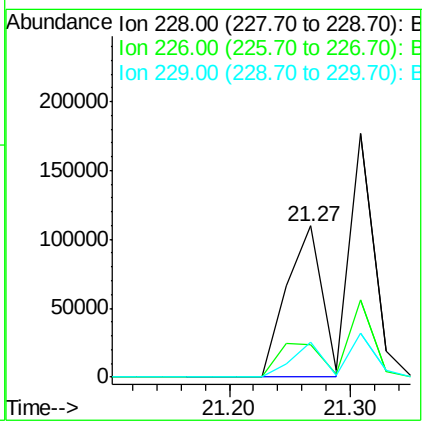


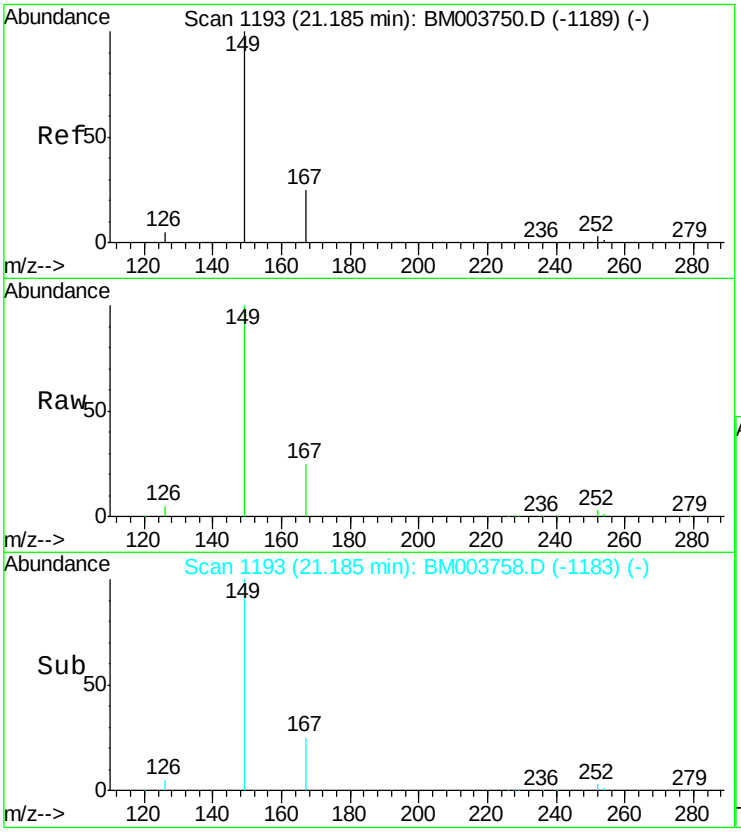


#32
Chrysene
Concen: 3.71 ng
RT: 21.27 min Scan# 1197
Delta R.T. -0.04 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:228 Resp: 223476

Ion	Ratio	Lower	Upper
228	100		
226	21.6	25.3	37.9#
229	23.2	14.5	21.7#



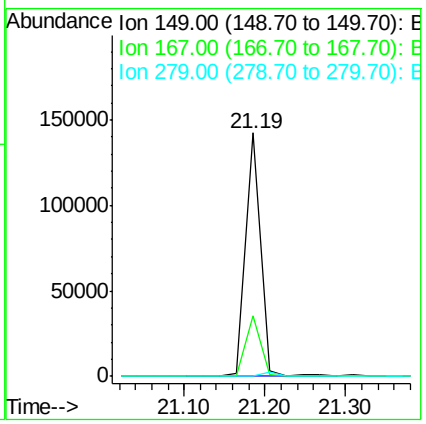


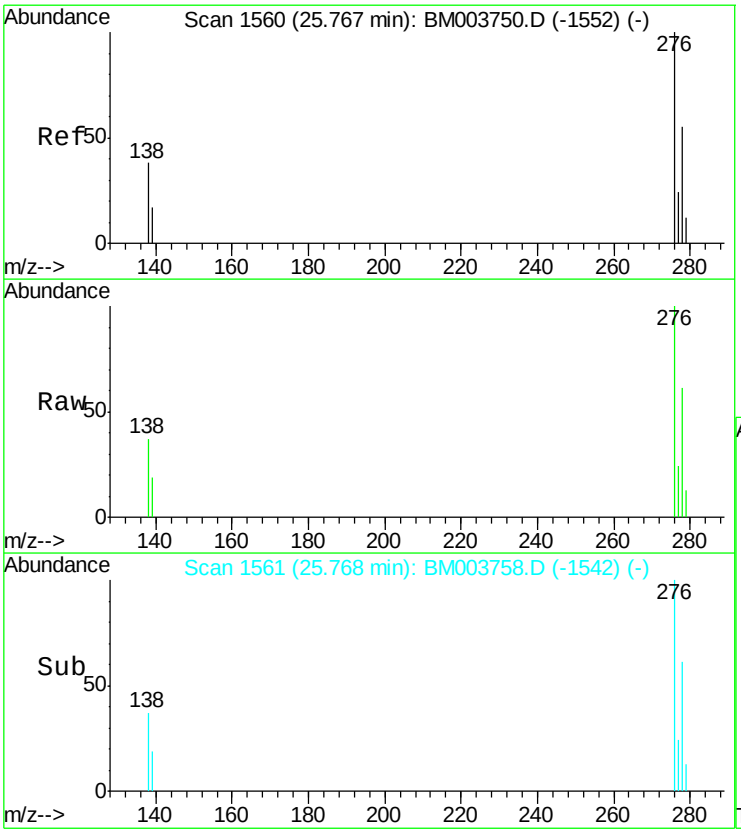
#33
Bis(2-ethylhexyl)phthalate
Concen: 4.08 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 182436

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.1	30.1
279	0.0	0.0	0.0

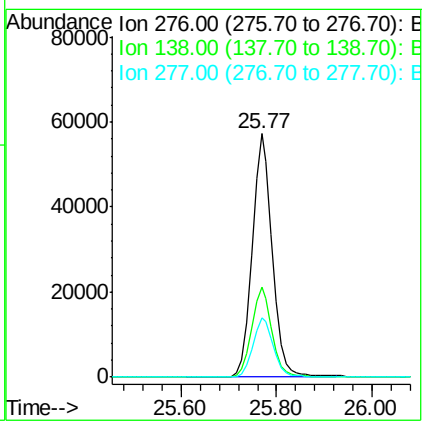


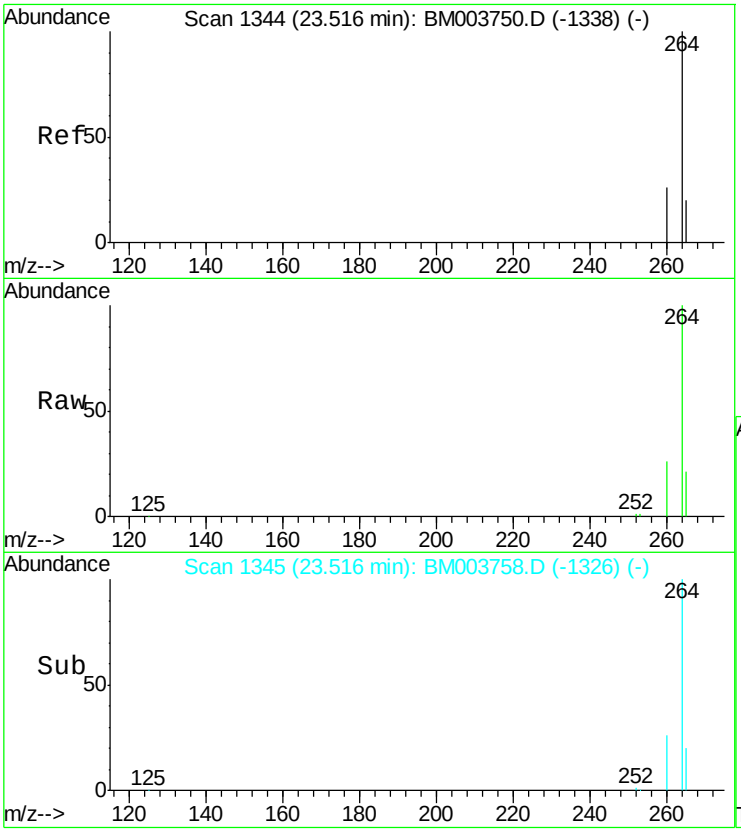


#34
Indeno(1,2,3-cd)pyrene
Concen: 3.82 ng
RT: 25.77 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:276 Resp: 167994

Ion	Ratio	Lower	Upper
276	100		
138	37.2	30.2	45.2
277	24.8	19.8	29.8



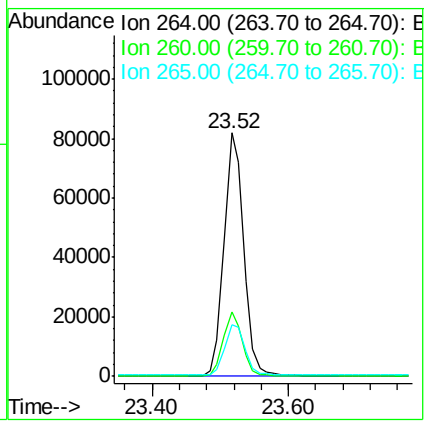


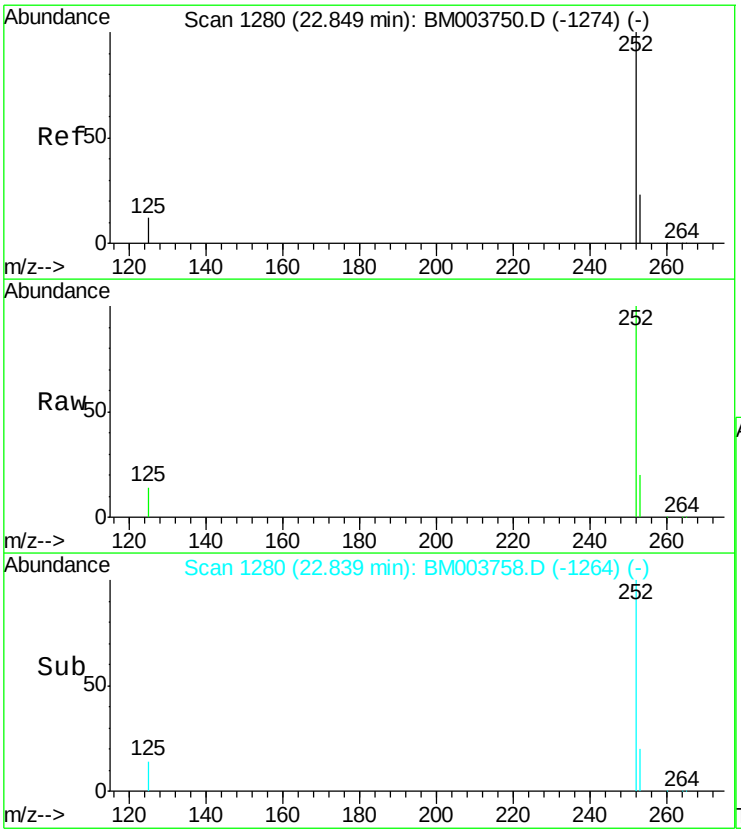
#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:264 Resp: 164158

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.2	31.8
265	21.0	16.7	25.1

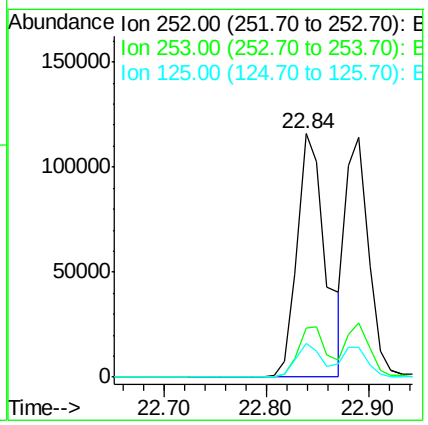


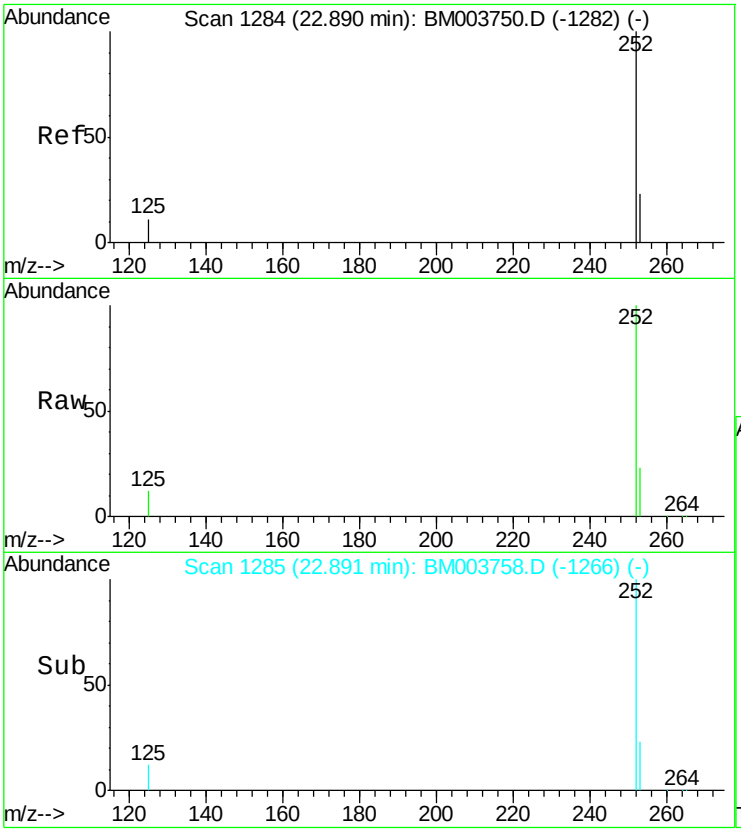


#36
Benzo(b)fluoranthene
Concen: 4.36 ng
RT: 22.84 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:252 Resp: 223627

Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.8	28.2
125	13.8	10.2	15.4



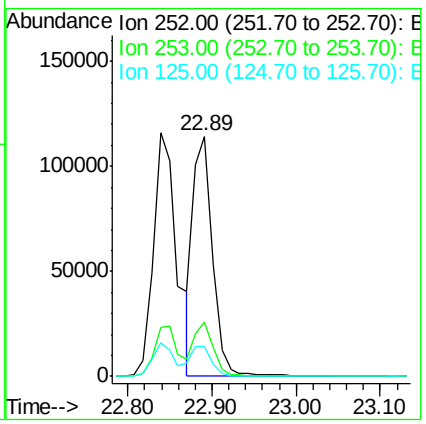


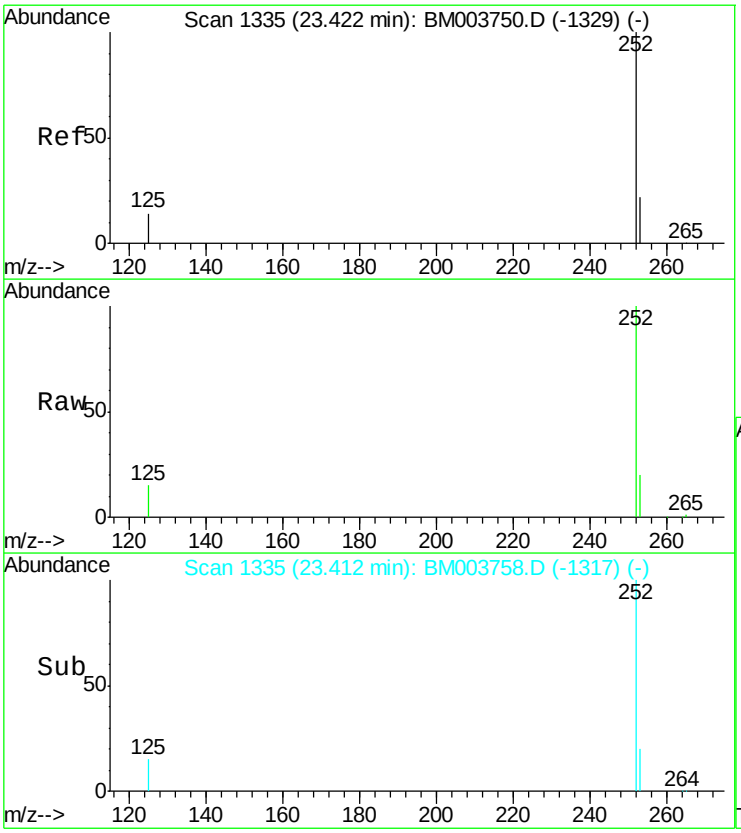
#37
Benzo(k)fluoranthene
Concen: 3.78 ng
RT: 22.89 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 179043

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	12.2	10.6	15.8

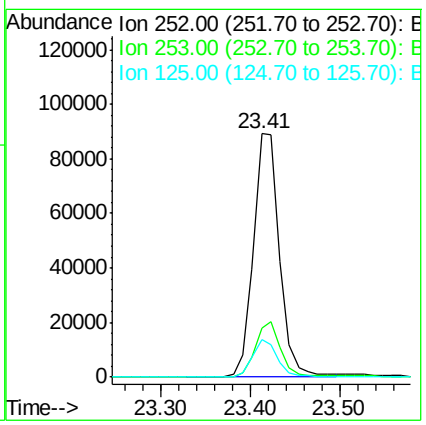


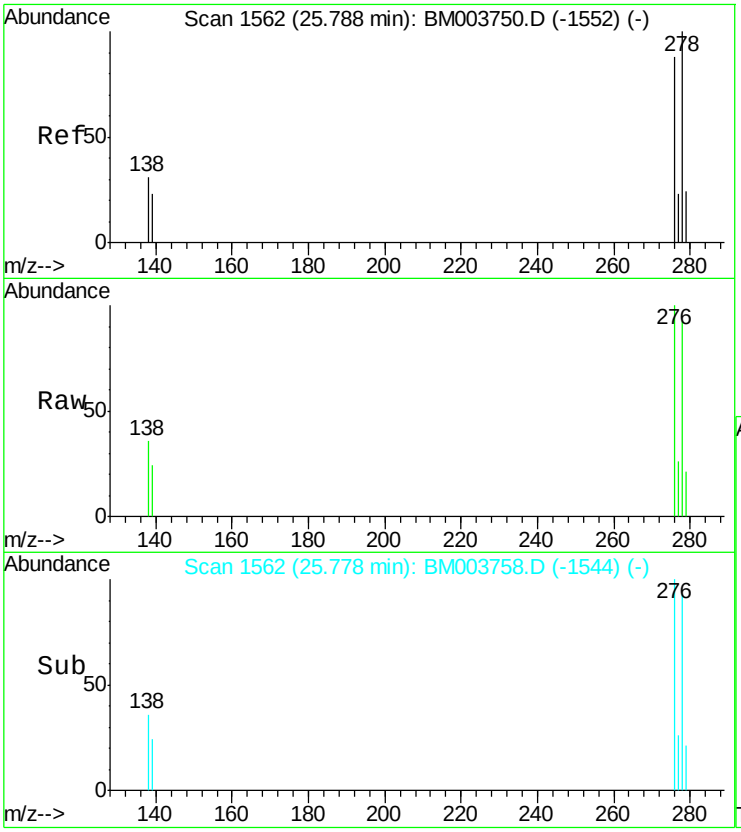


#38
Benzo(a)pyrene
Concen: 4.08 ng
RT: 23.41 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:252 Resp: 179956

Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.7	28.1
125	15.3	11.8	17.8



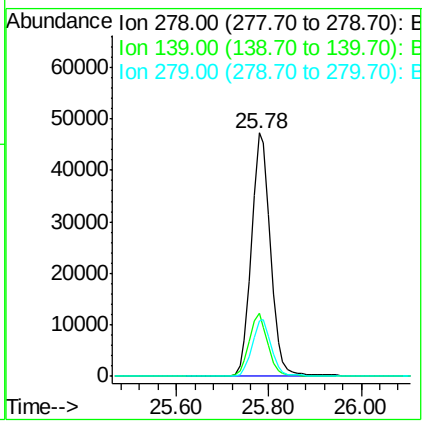


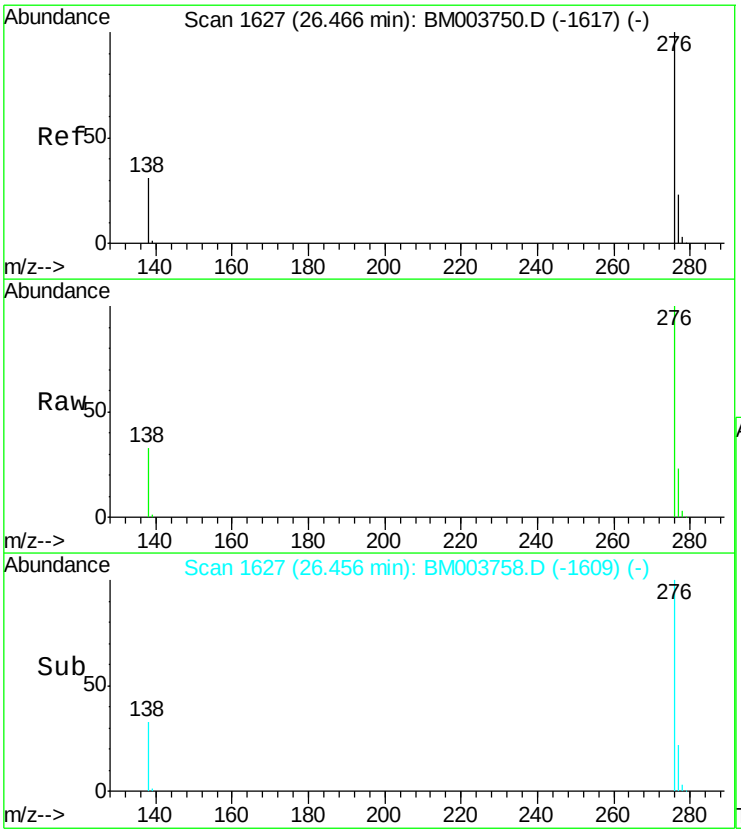
#39
Dibenzo(a,h)anthracene
Concen: 3.94 ng
RT: 25.78 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 135662

Ion	Ratio	Lower	Upper
278	100		
139	25.7	19.0	28.6
279	22.9	19.6	29.4





#40
Benzo(g,h,i)perylene
Concen: 3.86 ng
RT: 26.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BM003758.D
Acq: 24 Dec 2015 01:37

Tgt Ion:276 Resp: 138449

Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.1	28.7
138	33.4	25.0	37.4