Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003658.D
Acq On : 20 Dec 2015 17:17
Operator : UM/SJ
Sample : G4867-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DA1

Quant Time: Dec 21 02:23:47 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 02:19:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	23163	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	104724	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.35	164	71321	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.10	188	155002	20.00	ng/ul	0.00
78) Chrysene-d12	21.30	240	221841	20.00	ng/ul	0.00
86) Perylene-d12	23.56	264	204196	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.16	96	396	0.92	ng/uL	0.00
5) Phenol-d5	6.87	99	14650	7.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	32648	31.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	43413	27.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	30794	18.21	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	32170	42.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.58	143	31984	37.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	53785	34.47	ng/ul	0.02
29) 4-Chloroaniline-d4	10.66	131	1664	0.80	ng/ul	0.03
44) Dimethylphthalate-d6	13.77	166	199208	33.80	ng/ul	0.01
47) Acenaphthylene-d8	14.05	160	227030	33.83	ng/ul	0.00
52) 4-Nitrophenol-d4	14.54	143	2199	1.92	ng/ul	-0.02
58) Fluorene-d10	15.35	176	170102	34.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.48	200	30183	34.55	ng/ul	0.00
71) Anthracene-d10	17.20	188	256398	36.36	ng/ul	0.00
79) Pyrene-d10	19.51	212	325820	33.62	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.41	264	362111	35.70	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	6.85	77	39372	34.96	ng/ul#	1
6) Phenol	6.90	94	9174	4.46	ng/ul	97
11) 2-Methylphenol	8.15	108	16142	9.92	ng/ul	100
14) Acetophenone	8.50	105	15892	6.02	ng/ul#	59
16) 4-Methylphenol	8.47	108	8259	4.55	ng/ul	88
17) Hexachloroethane	8.75	117	5981	9.50	ng/ul#	7
20) Nitrobenzene	8.87	77	5350	3.05	ng/ul#	2
24) 2,4-Dimethylphenol	9.68	107	72490	37.36	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.90	93	2673	1.27	ng/ul#	1
28) Naphthalene	10.60	128	10965670	2032.37	ng/ul	97
32) Caprolactam	11.34	113	1720	2.84	ng/ul#	30
34) 2-Methylnaphthalene	12.19	142	2791730	692.84	ng/ul	100
35) 1-Methylnaphthalene	12.40	142	2099370	548.50	ng/ul	100
41) 1,1'-Biphenyl	13.18	154	283330	48.91	ng/ul	100
43) 2-Nitroaniline	13.45	65	3383	2.81	ng/ul#	25
45) Dimethylphthalate	13.82	163	25998	4.31	ng/ul#	89
46) 2,6-Dinitrotoluene	13.97	165	31250	26.60	ng/ul#	66
48) Acenaphthylene	14.07	152	247224	33.69	ng/ul#	92
50) Acenaphthene	14.43	153	801749	163.60	ng/ul	98
54) Dibenzofuran	14.75	168	87619	12.53	ng/ul	94
55) 2,4-Dinitrotoluene	14.71	165	3047	1.71	ng/ul#	18
59) Fluorene	15.40	166	378552	67.42	ng/ul	99
61) 4-Nitroaniline	15.40	138	5145	3.53	ng/ul#	47

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003658.D
Acq On : 20 Dec 2015 17:17
Operator : UM/SJ
Sample : G4867-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G9DA1

Quant Time: Dec 21 02:23:47 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 02:19:57 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	15.62	169	6630	1.46	ng/ul#	1
70) Phenanthrene	17.15	178	684549	79.84	ng/ul	100
72) Anthracene	17.24	178	174586	19.97	ng/ul	98
75) Carbazole	17.52	167	105169	13.18	ng/ul#	90
77) Fluoranthene	19.17	202	107795	10.94	ng/ul	99
80) Pyrene	19.54	202	178921	14.01	ng/ul	98
83) Benzo(a)anthracene	21.34	228	40890	3.06	ng/ul	91
85) Chrysene	21.34	228	40971	3.18	ng/ul	95
88) Benzo(b)fluoranthene	22.89	252	23296	1.89	ng/ul#	89
91) Benzo(a)pyrene	23.46	252	25801	2.19	ng/ul#	91

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
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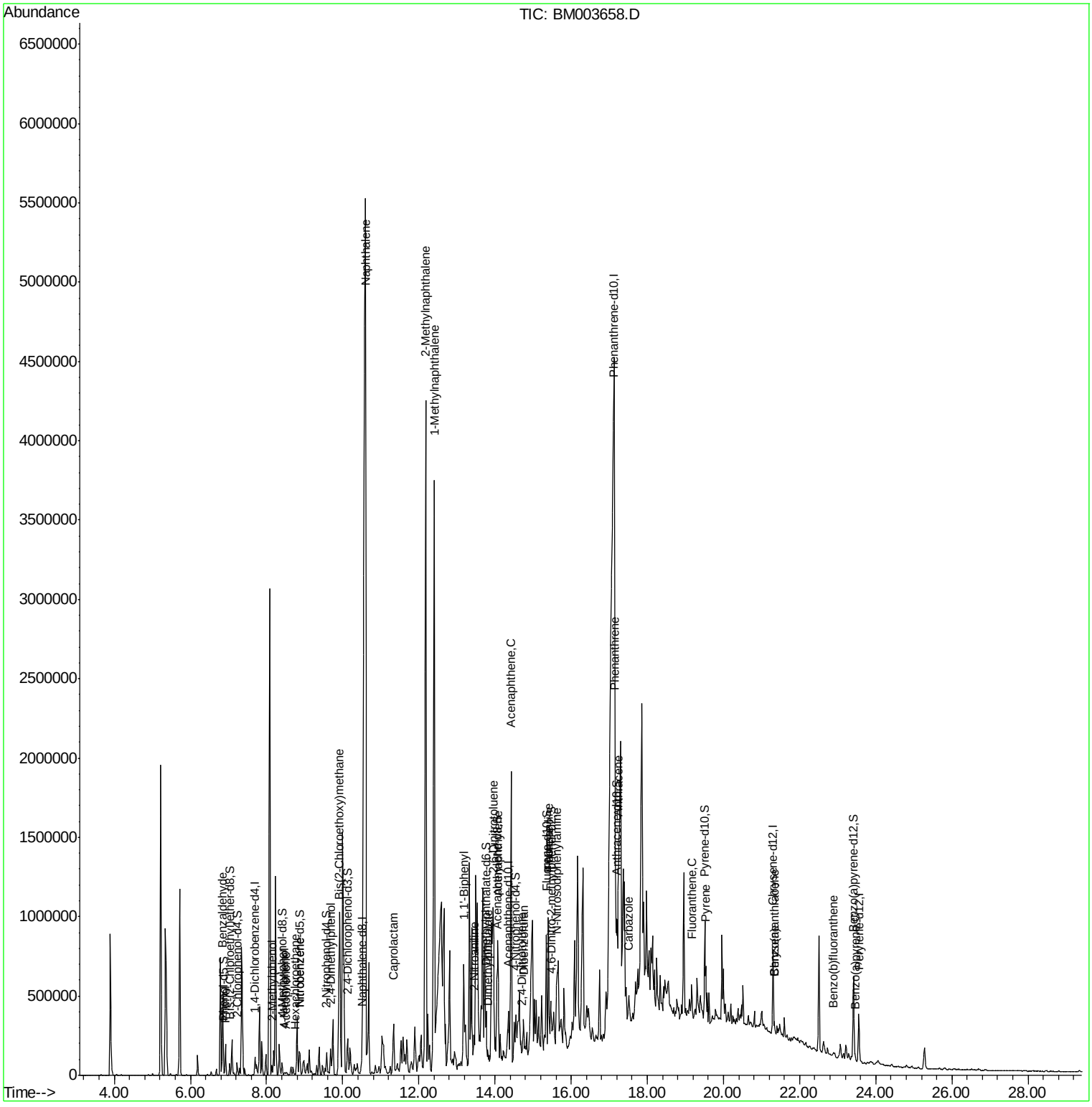
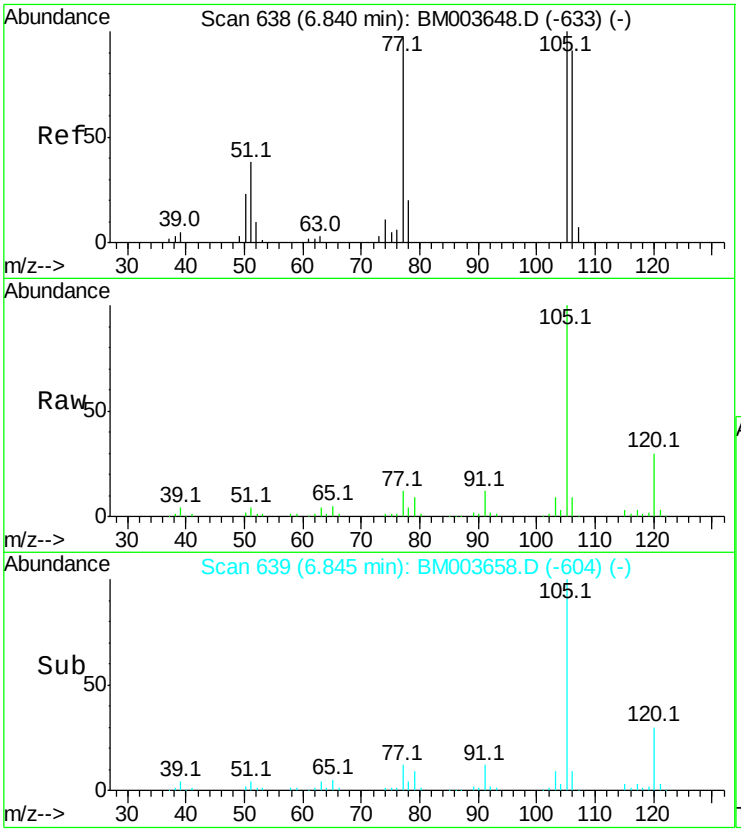
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 02:19:57 2015
Response via : Initial Calibration



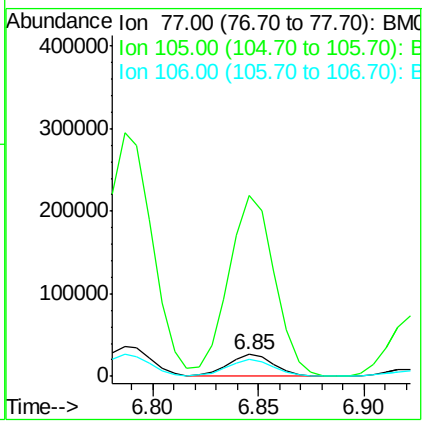


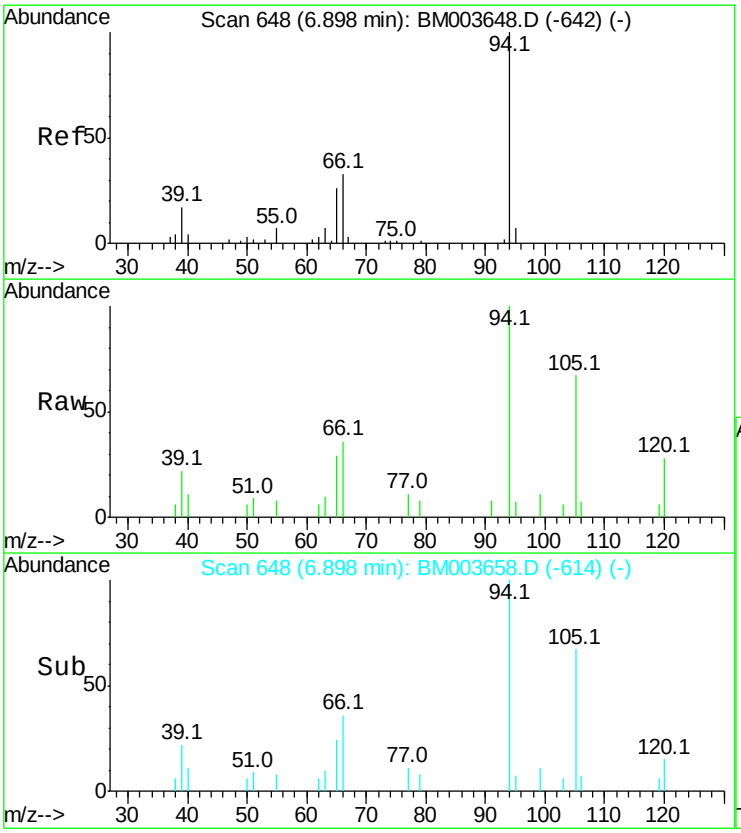
#4
Benzaldehyde
Concen: 34.96 ng/ul
RT: 6.85 min Scan# 639
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion: 77 Resp: 39372

Ion	Ratio	Lower	Upper
77	100		
105	833.3	80.6	120.8#
106	77.2	77.7	116.5#

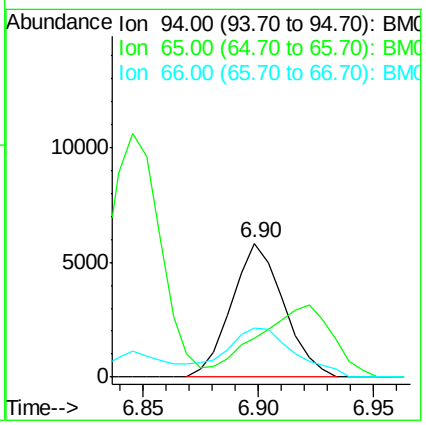


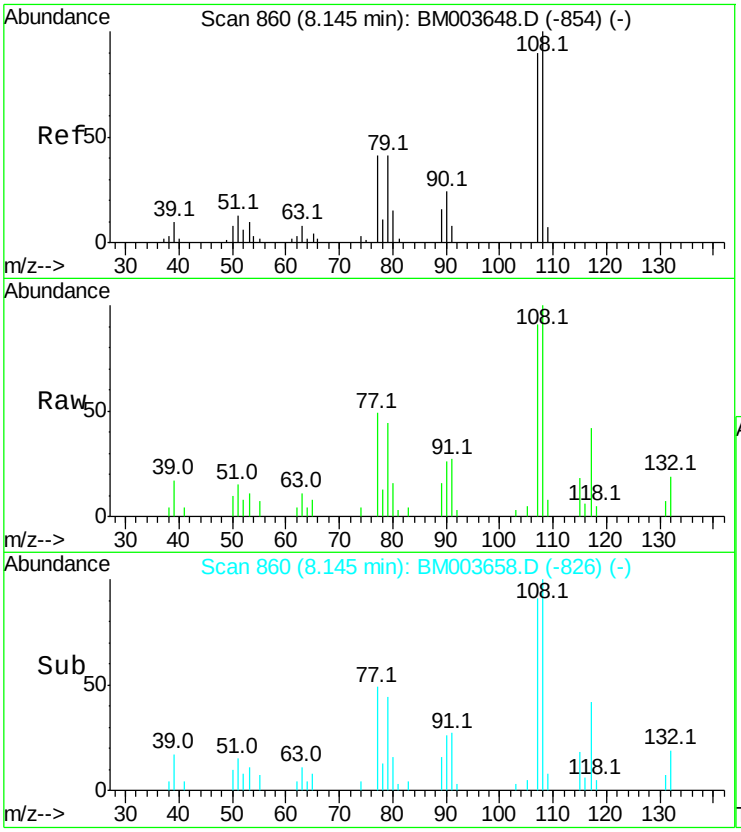


#6
Phenol
Concen: 4.46 ng/ul
RT: 6.90 min Scan# 648
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion: 94 Resp: 9174

Ion	Ratio	Lower	Upper
94	100		
65	29.4	21.0	31.6
66	36.3	29.3	43.9



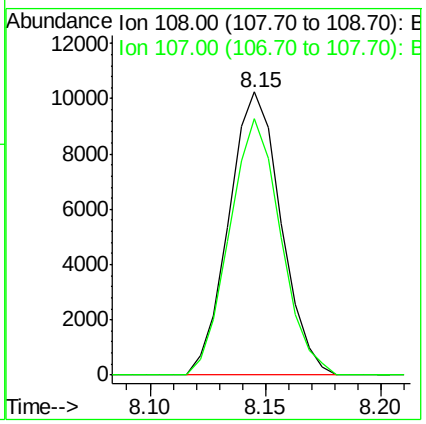


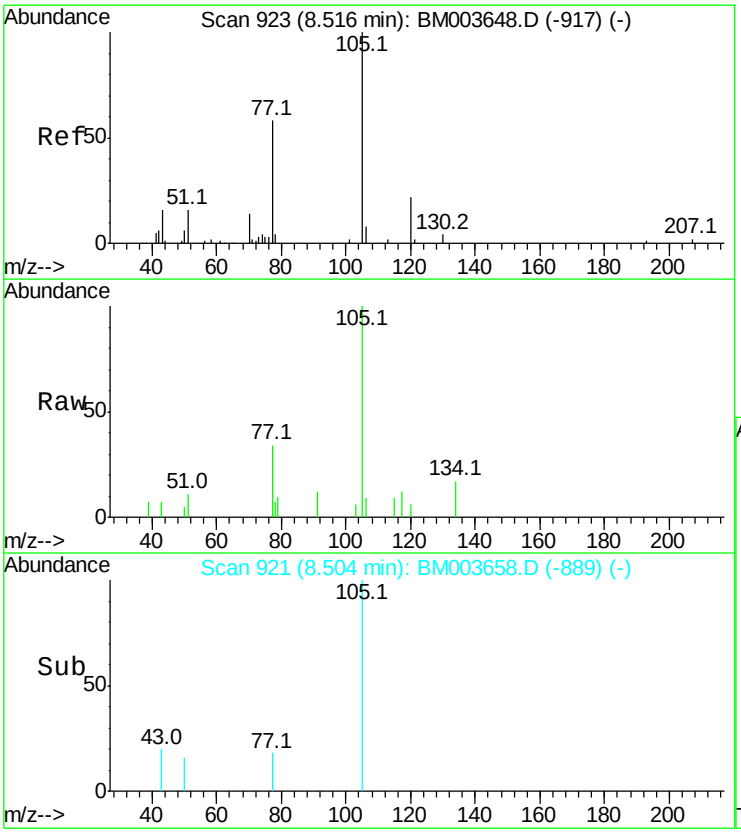
#11
2-Methylphenol
Concen: 9.92 ng/ul
RT: 8.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:108 Resp: 16142

Ion	Ratio	Lower	Upper
108	100		
107	90.6	72.4	108.6

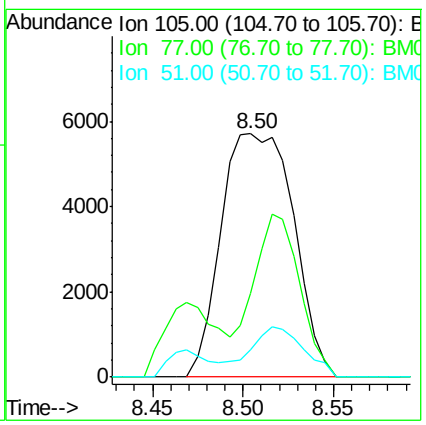


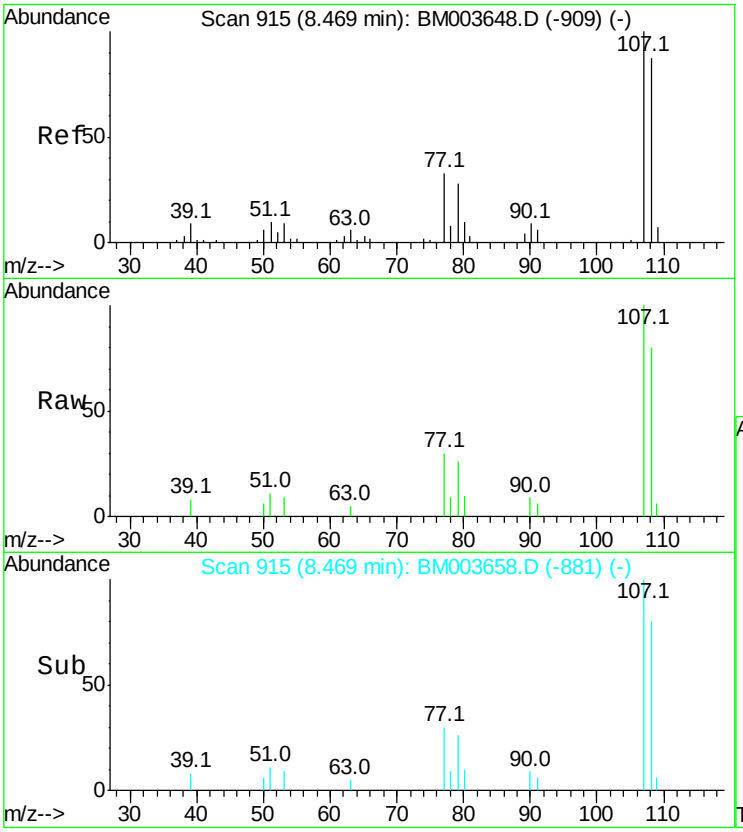


#14
Acetophenone
Concen: 6.02 ng/ul
RT: 8.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:105 Resp: 15892

Ion	Ratio	Lower	Upper
105	100		
77	34.2	59.0	88.4#
51	11.2	16.4	24.6#



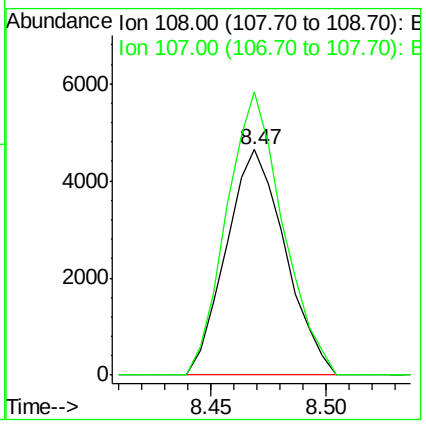


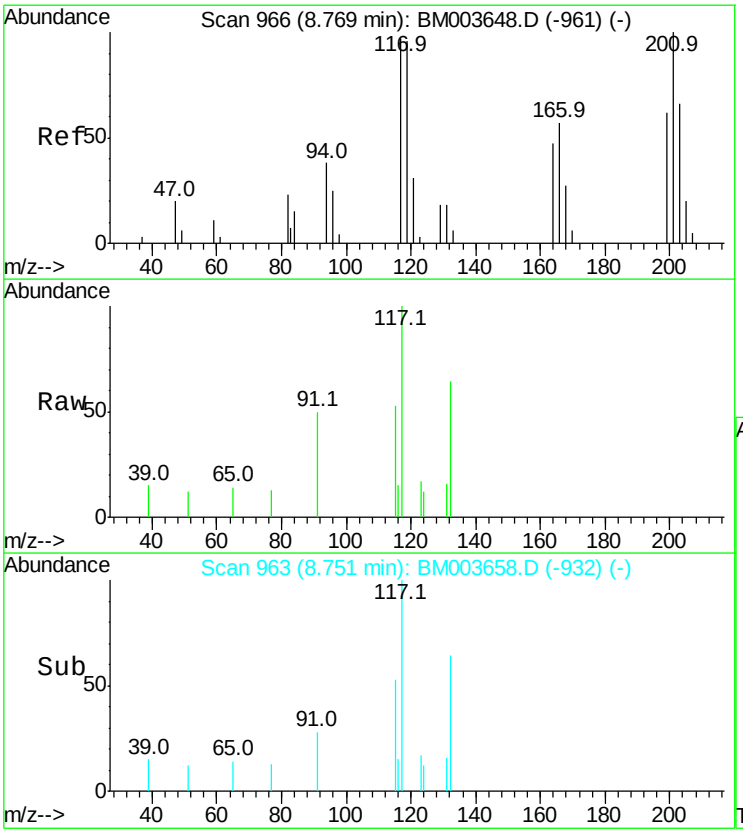
#16
4-Methylphenol
Concen: 4.55 ng/ul
RT: 8.47 min Scan# 915
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:108 Resp: 8259

Ion	Ratio	Lower	Upper
108	100		
107	125.6	90.3	135.5

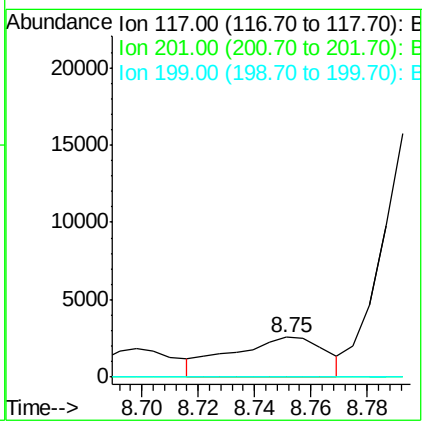


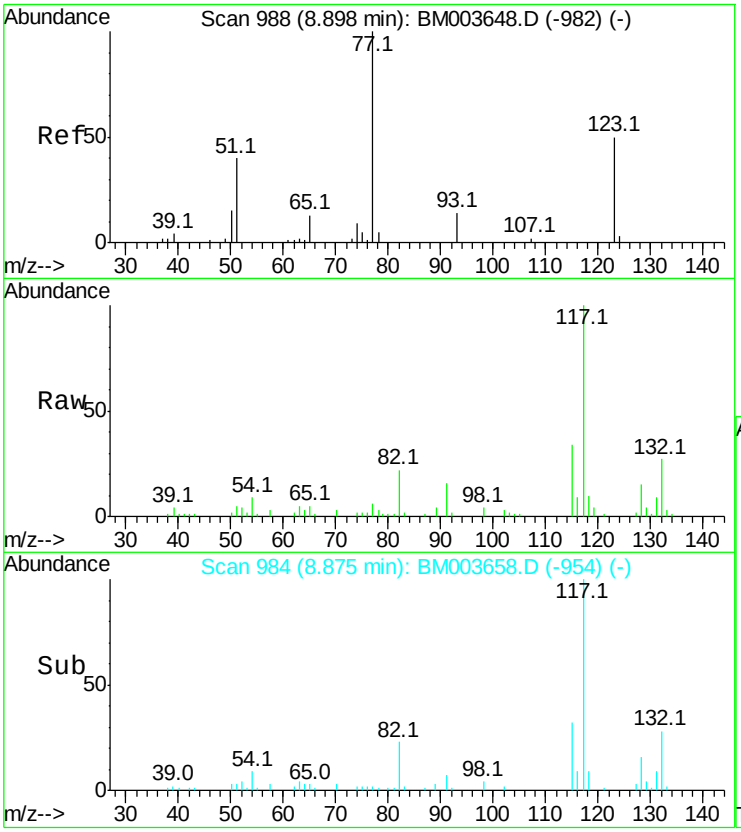


#17
Hexachloroethane
Concen: 9.50 ng/ul
RT: 8.75 min Scan# 963
Delta R.T. -0.02 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:117 Resp: 5981

Ion	Ratio	Lower	Upper
117	100		
201	0.0	81.5	122.3#
199	0.0	50.6	76.0#



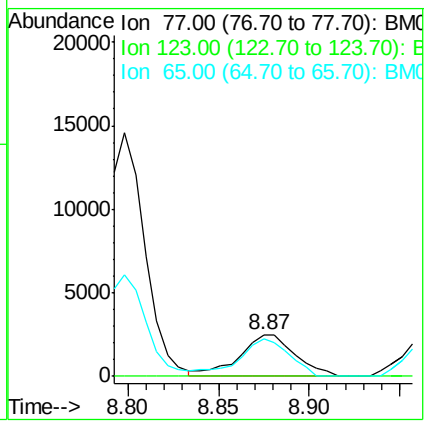


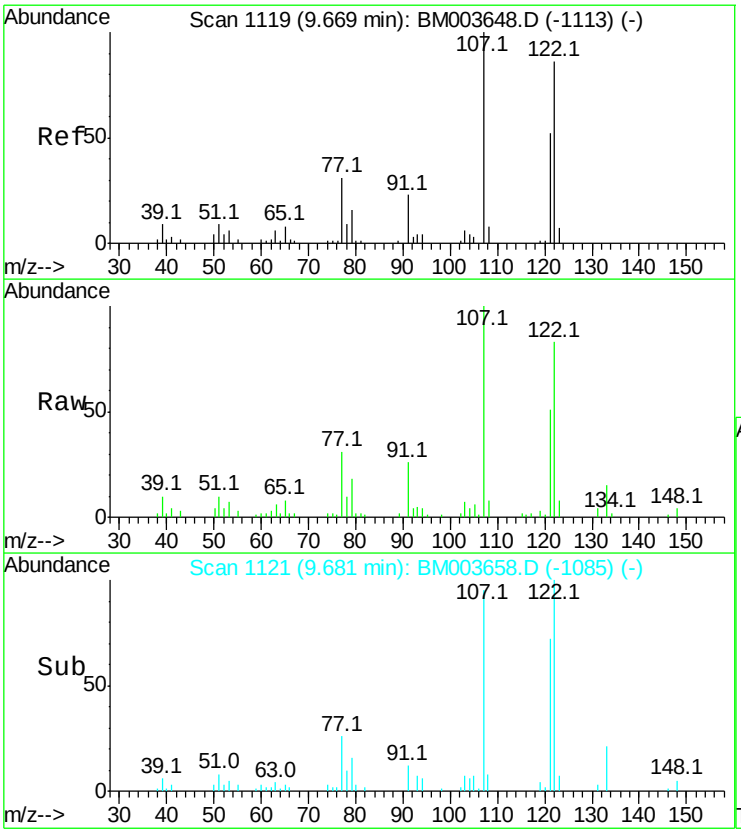
#20
Nitrobenzene
Concen: 3.05 ng/ul
RT: 8.87 min Scan# 984
Delta R.T. -0.02 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion: 77 Resp: 5350

Ion	Ratio	Lower	Upper
77	100		
123	0.0	39.0	58.4#
65	92.1	10.4	15.6#

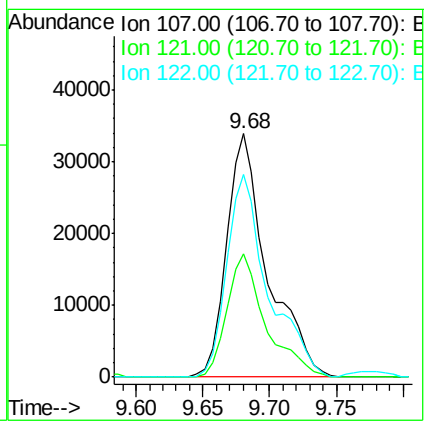


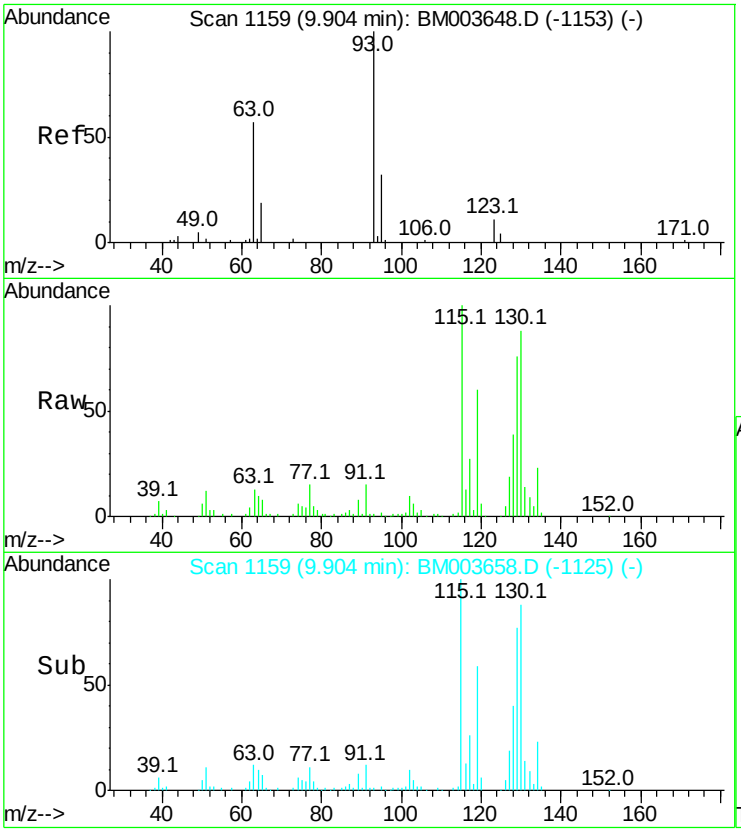


#24
2,4-Dimethylphenol
Concen: 37.36 ng/ul
RT: 9.68 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:107 Resp: 72490

Ion	Ratio	Lower	Upper
107	100		
121	50.6	40.6	61.0
122	83.4	67.8	101.6



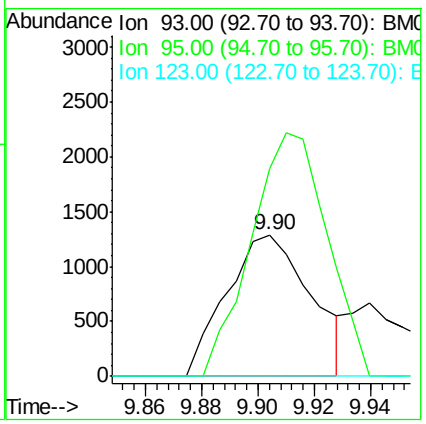


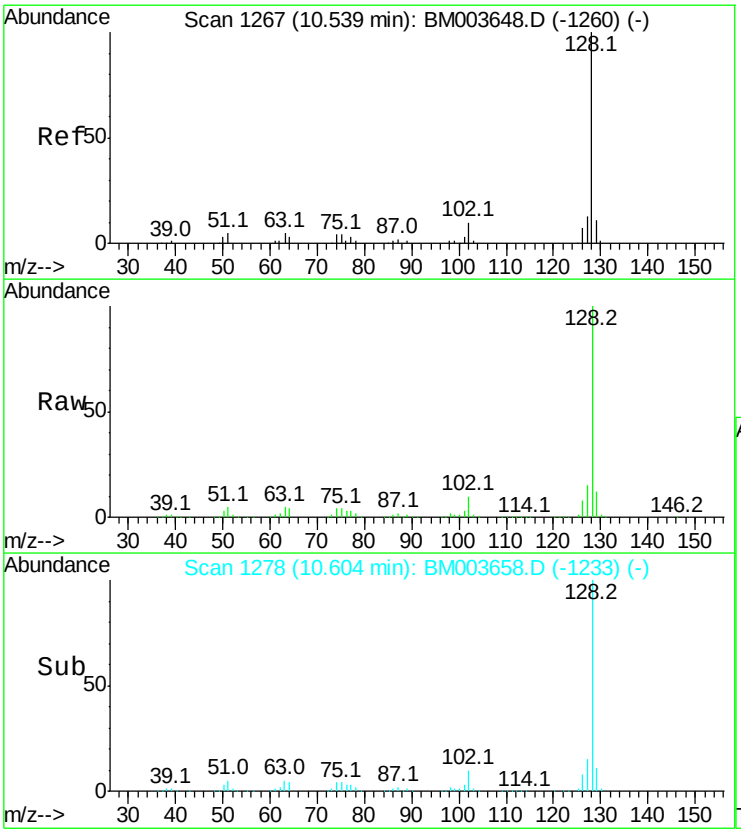
#25
Bis(2-Chloroethoxy)methane
Concen: 1.27 ng/ul
RT: 9.90 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion: 93 Resp: 2673

Ion	Ratio	Lower	Upper
93	100		
95	146.4	25.8	38.8#
123	0.0	9.8	14.8#

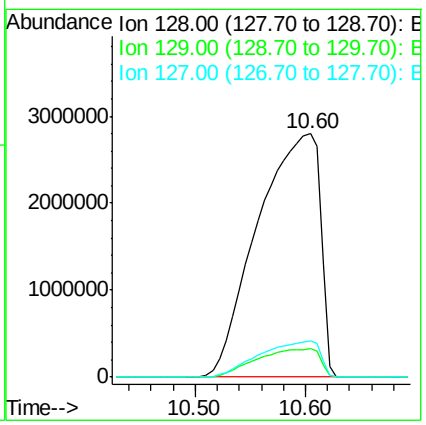


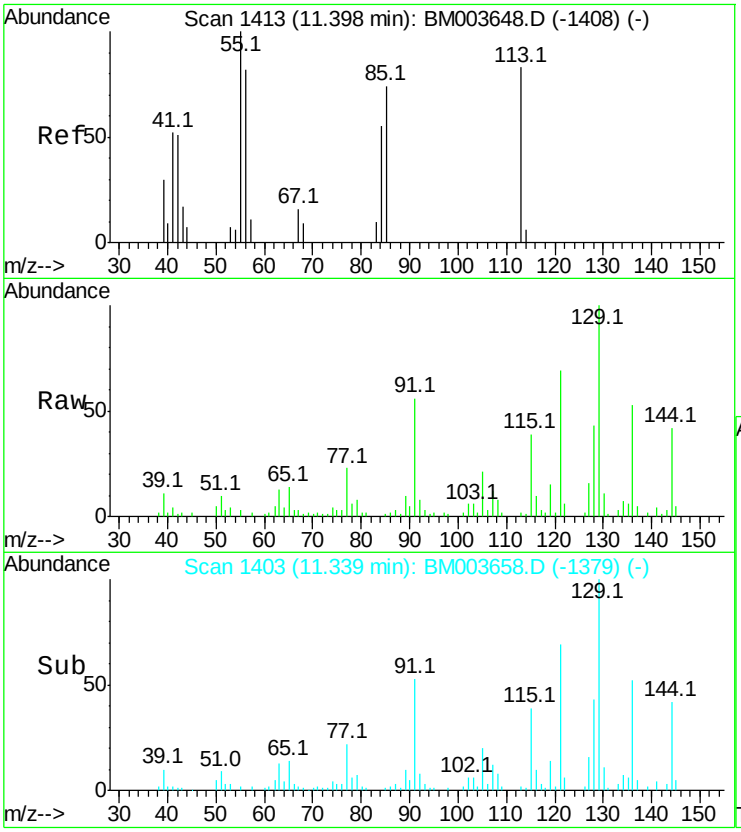


#28
Naphthalene
Concen: 2032.37 ng/ul
RT: 10.60 min Scan# 1278
Delta R.T. 0.06 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:128 Resp:10965670

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.8	10.5	15.7



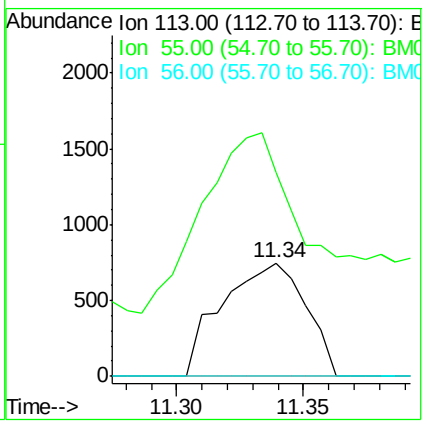


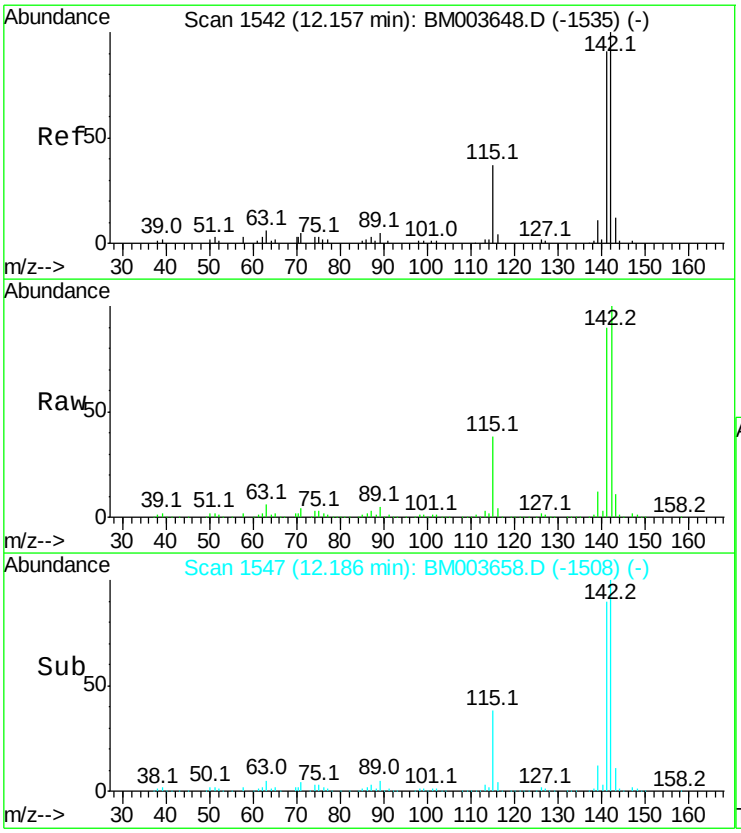
#32
Caprolactam
Concen: 2.84 ng/ul
RT: 11.34 min Scan# 1403
Delta R.T. -0.06 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:113 Resp: 1720

Ion	Ratio	Lower	Upper
113	100		
55	179.9	101.9	152.9#
56	0.0	81.2	121.8#

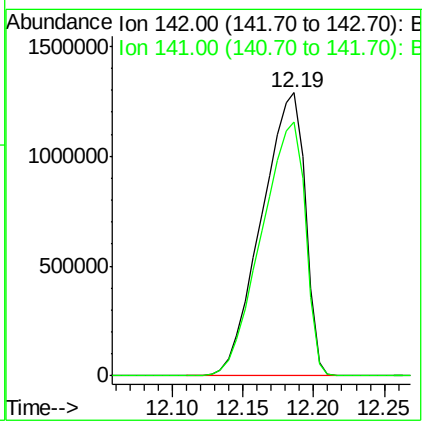


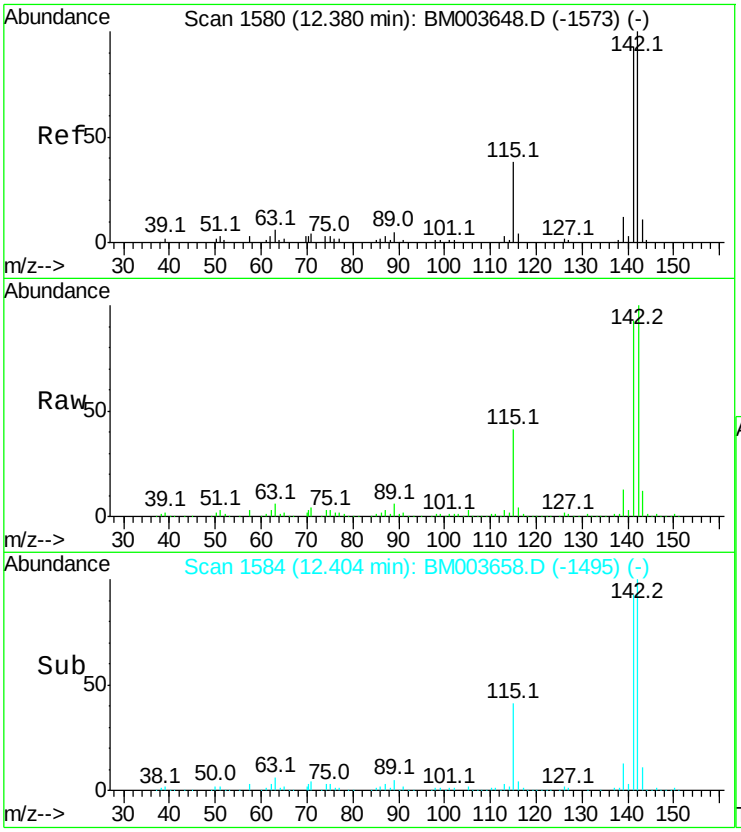


#34
2-Methylnaphthalene
Concen: 692.84 ng/ul
RT: 12.19 min Scan# 1547
Delta R.T. 0.03 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:142 Resp: 2791730

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.6	107.4



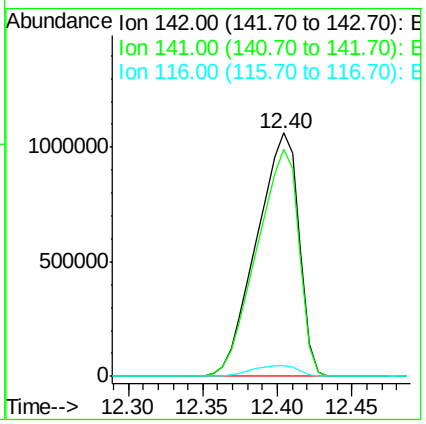


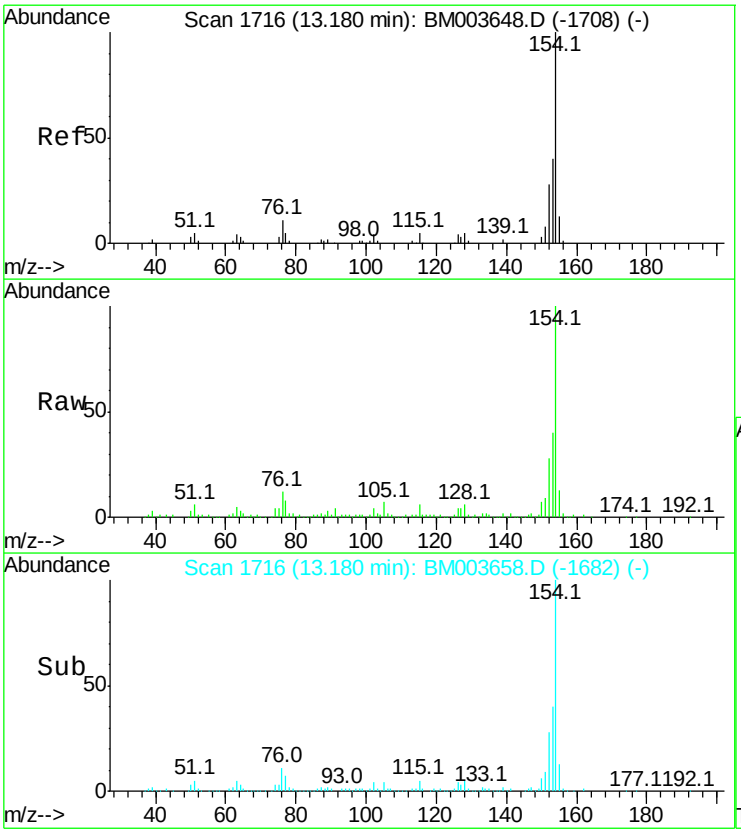
#35
1-Methylnaphthalene
Concen: 548.50 ng/ul
RT: 12.40 min Scan# 1584
Delta R.T. 0.02 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:142 Resp: 2099370

Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.9	112.3
116	4.4	3.1	4.7

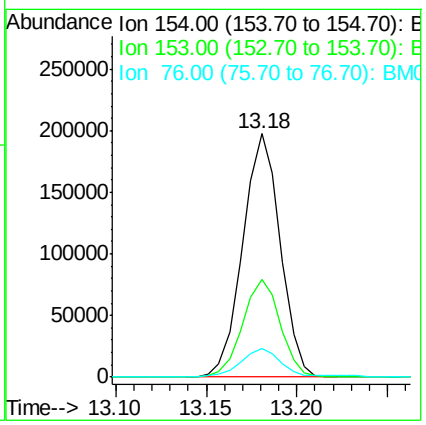


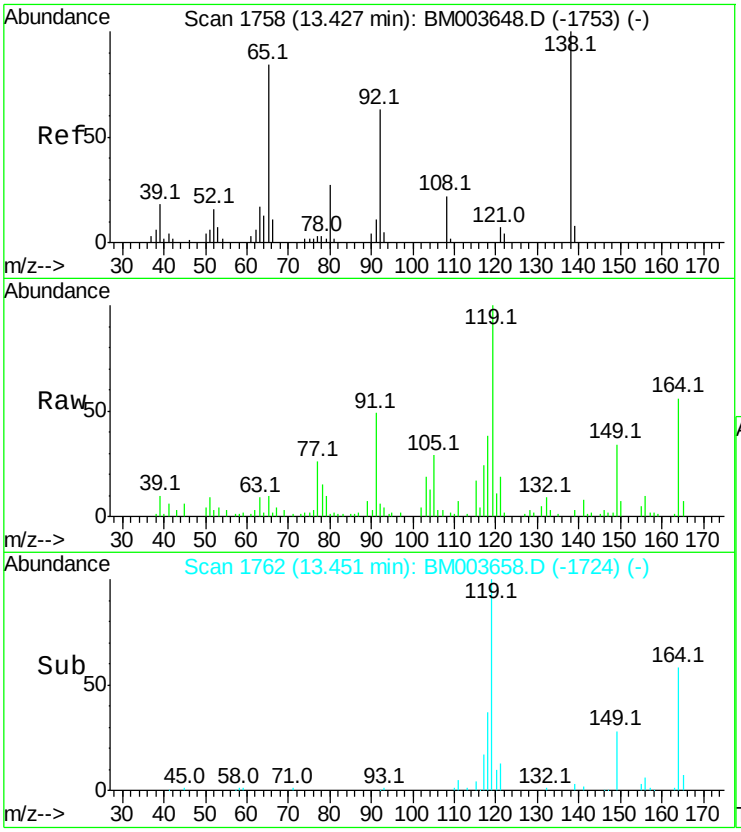


#41
1,1'-Biphenyl
Concen: 48.91 ng/ul
RT: 13.18 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:154 Resp: 283330

Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.1	48.1
76	11.6	9.5	14.3



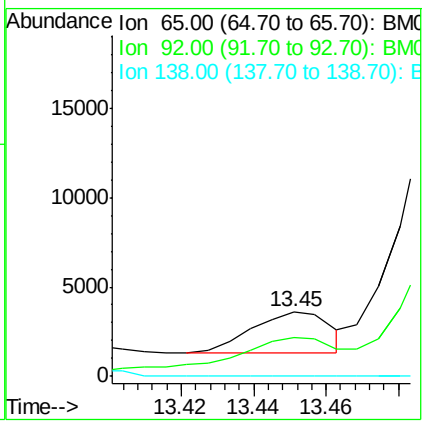


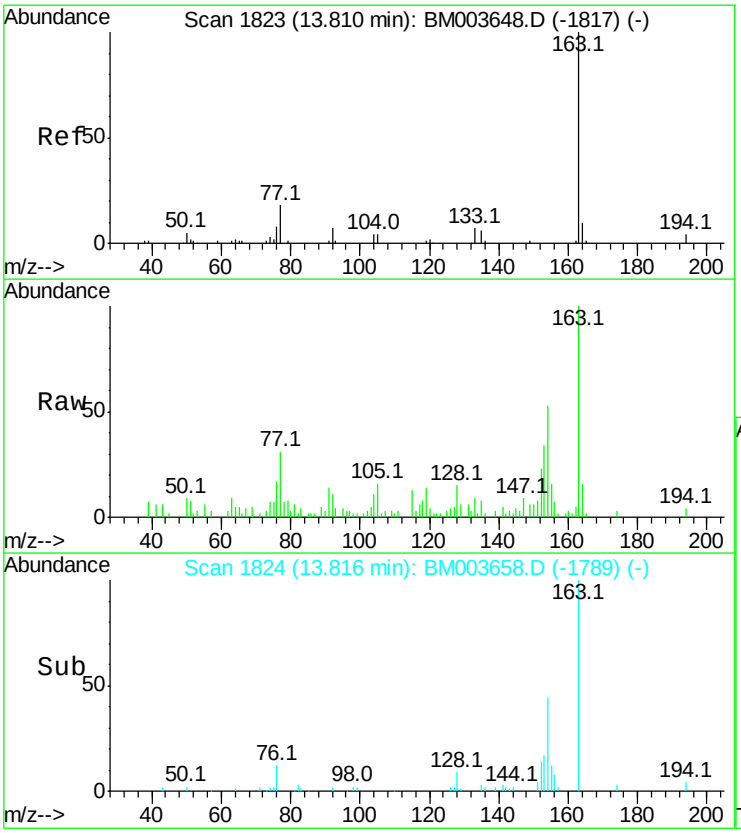
#43
2-Nitroaniline
Concen: 2.81 ng/ul
RT: 13.45 min Scan# 1762
Delta R.T. 0.02 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion: 65 Resp: 3383

Ion	Ratio	Lower	Upper
65	100		
92	60.4	60.4	90.6
138	0.0	99.8	149.6#

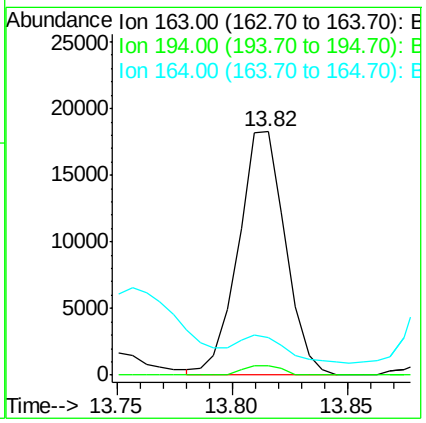


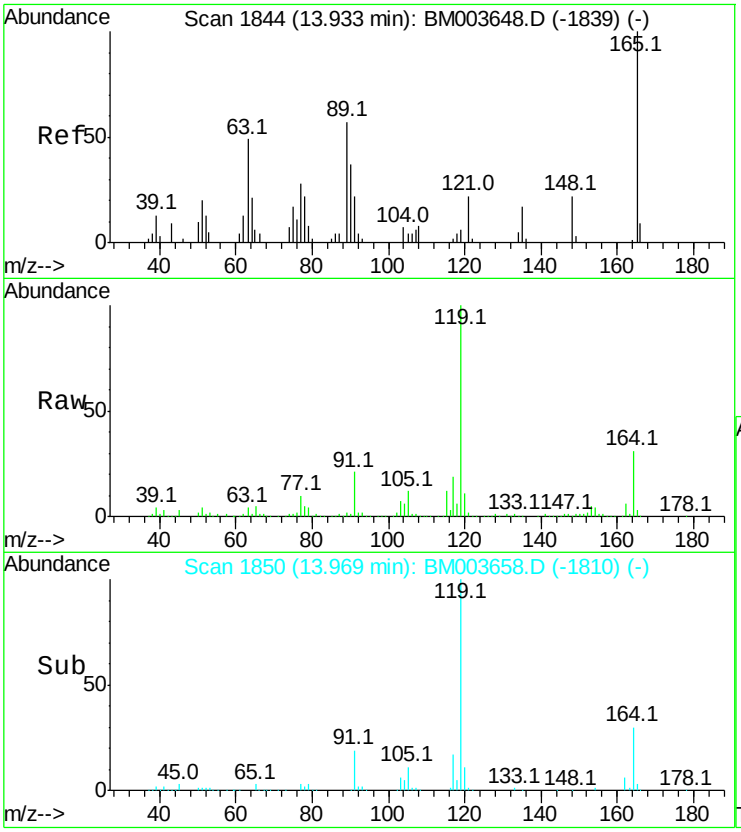


#45
Dimethylphthalate
Concen: 4.31 ng/ul
RT: 13.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:163 Resp: 25998

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	15.6	7.8	11.8#



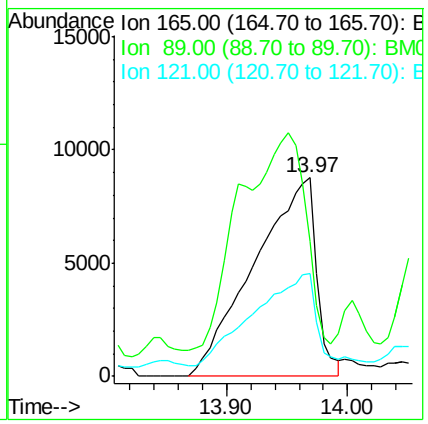


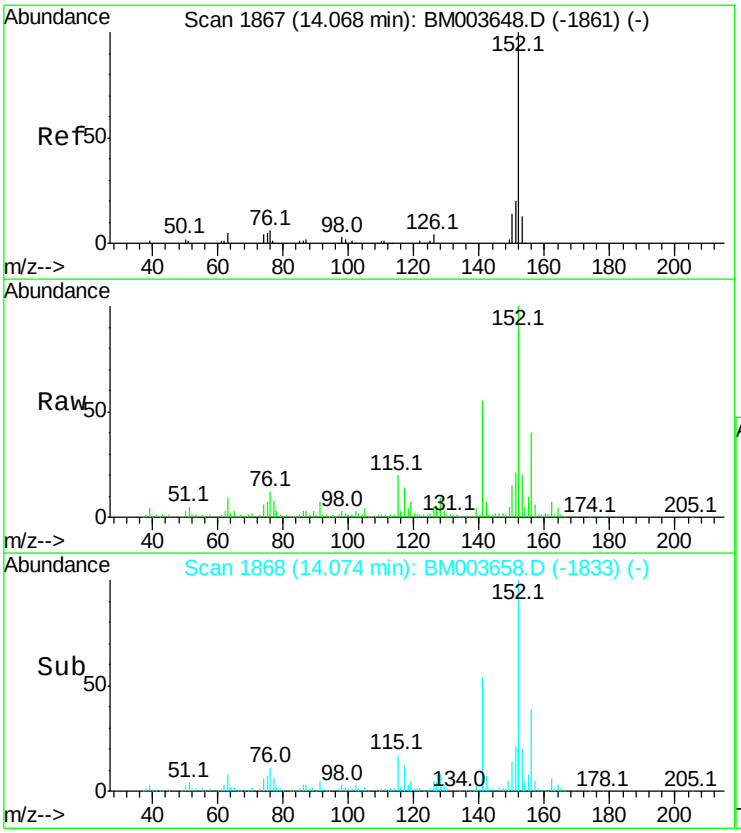
#46
2,6-Dinitrotoluene
Concen: 26.60 ng/ul
RT: 13.97 min Scan# 1850
Delta R.T. 0.04 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:165 Resp: 31250

Ion	Ratio	Lower	Upper
165	100		
89	67.8	42.4	63.6#
121	51.6	16.6	24.8#

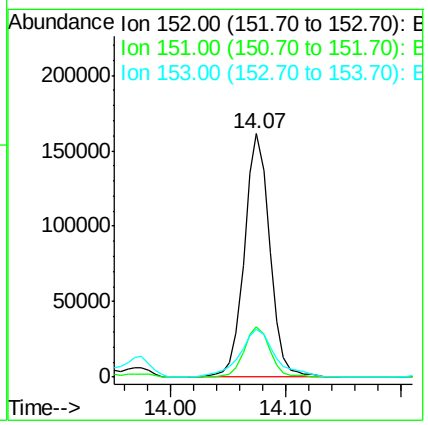


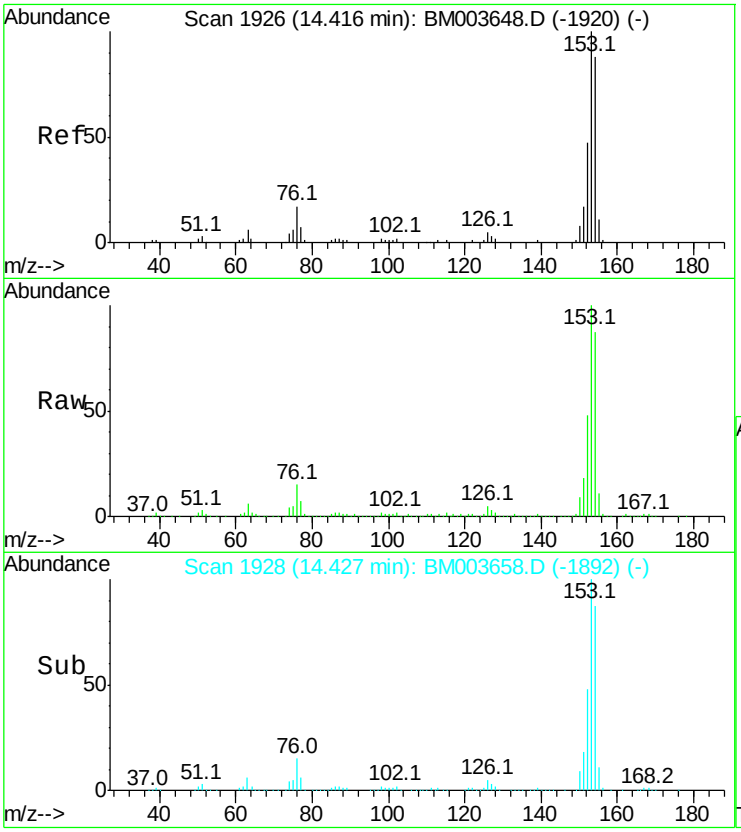


#48
Acenaphthylene
Concen: 33.69 ng/ul
RT: 14.07 min Scan# 1868
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:152 Resp: 247224

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.7	23.5
153	19.8	10.5	15.7#



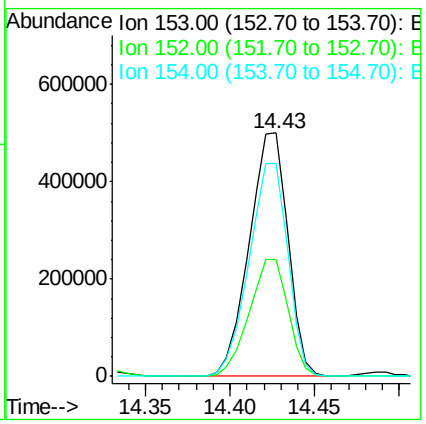


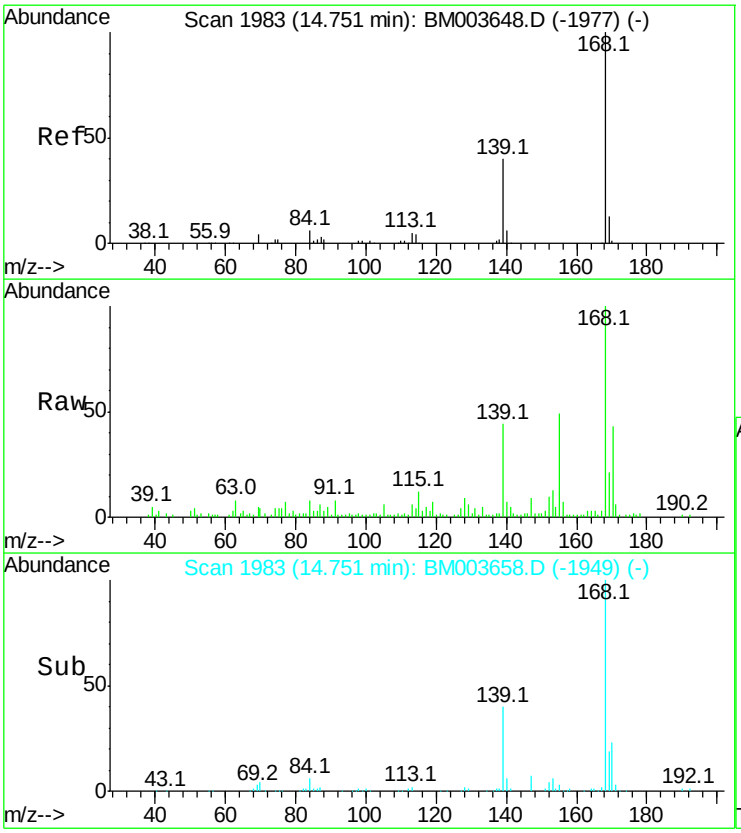
#50
Acenaphthene
Concen: 163.60 ng/ul
RT: 14.43 min Scan# 1928
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:153 Resp: 801749

Ion	Ratio	Lower	Upper
153	100		
152	48.0	38.3	57.5
154	87.2	71.8	107.8

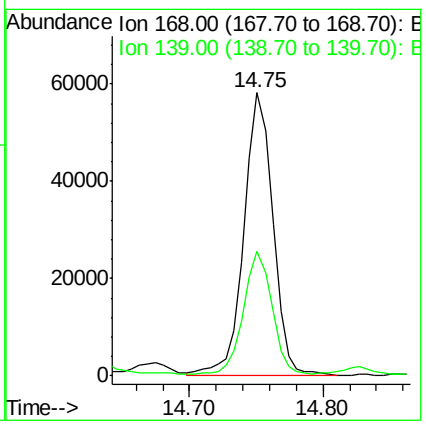


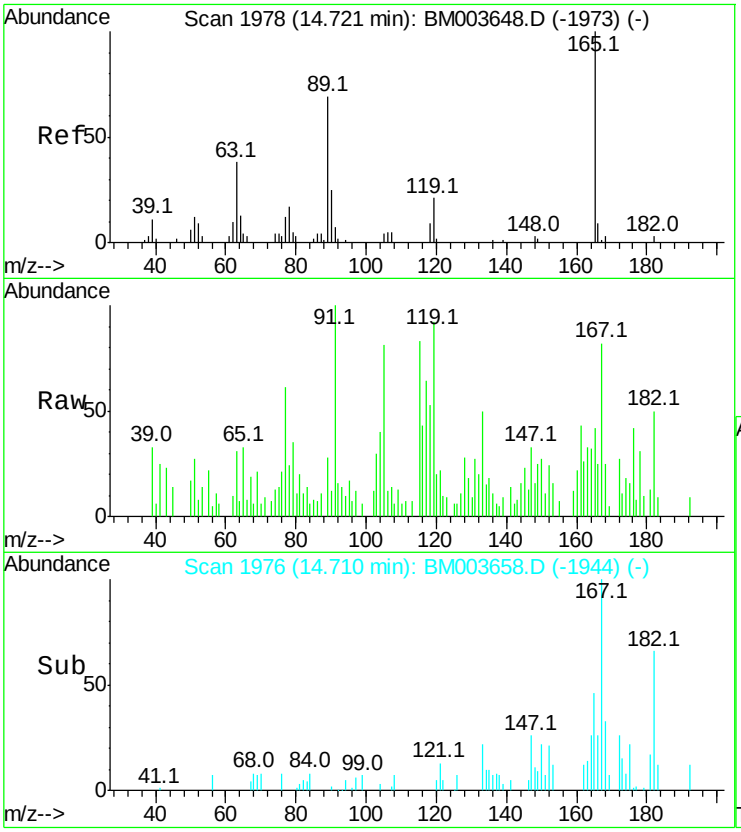


#54
Dibenzofuran
Concen: 12.53 ng/ul
RT: 14.75 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:168 Resp: 87619

Ion	Ratio	Lower	Upper
168	100		
139	43.9	32.2	48.2



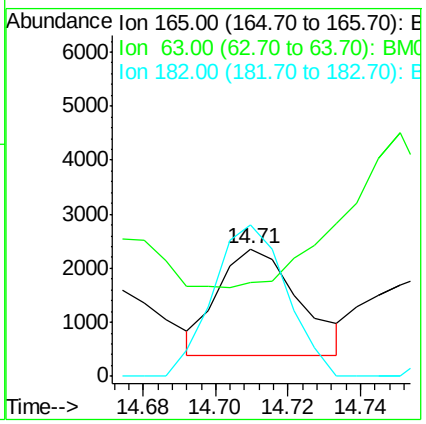


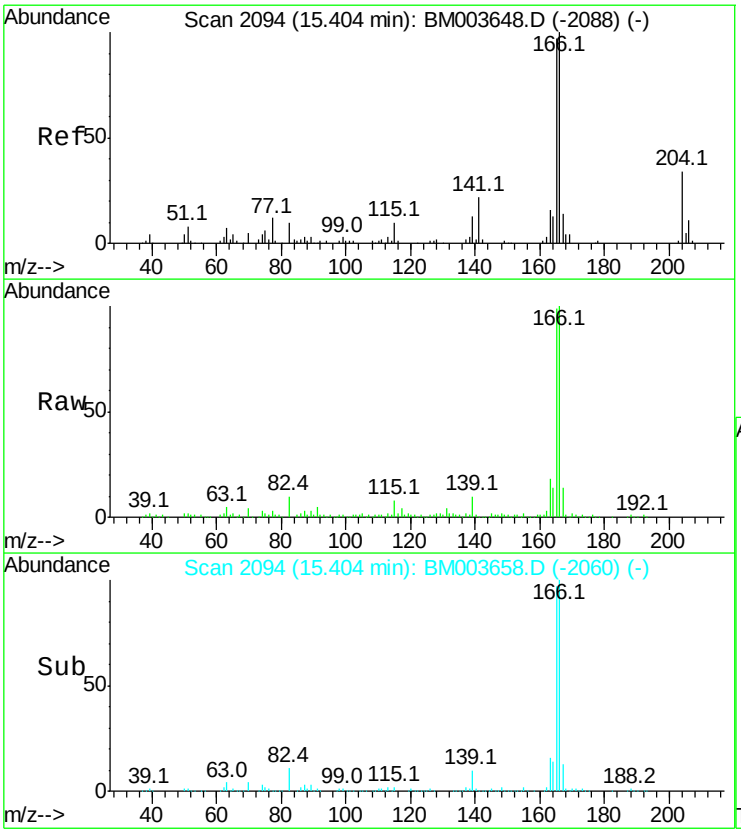
#55
2,4-Dinitrotoluene
Concen: 1.71 ng/ul
RT: 14.71 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:165 Resp: 3047

Ion	Ratio	Lower	Upper
165	100		
63	74.1	29.8	44.6#
182	119.4	2.2	3.4#

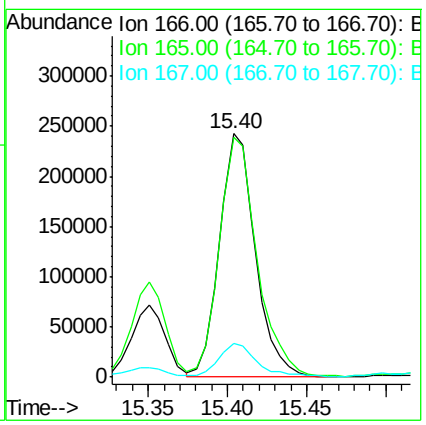


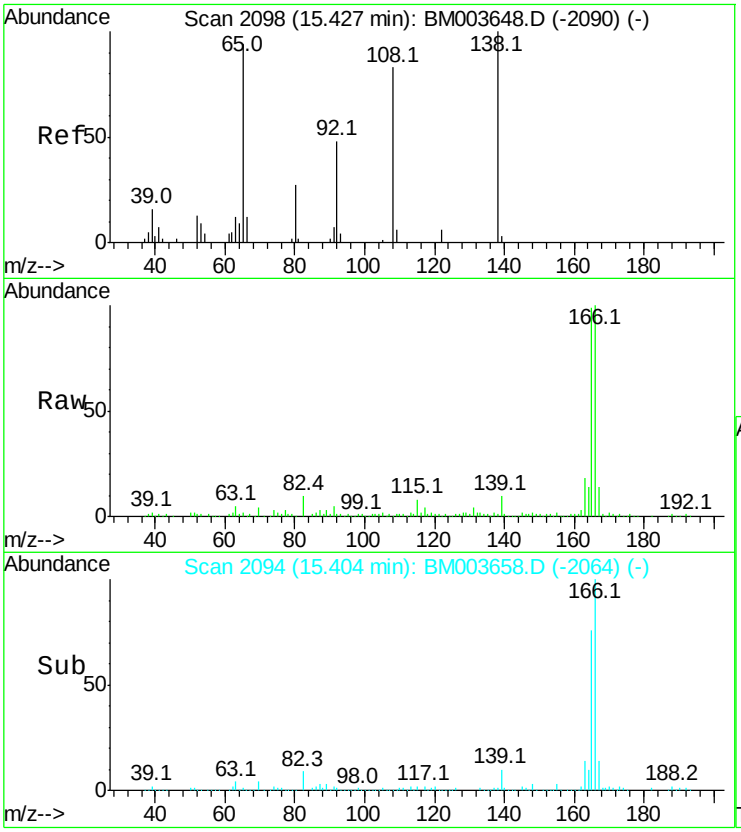


#59
Fluorene
Concen: 67.42 ng/ul
RT: 15.40 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:166 Resp: 378552

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.5	117.7
167	13.7	10.7	16.1



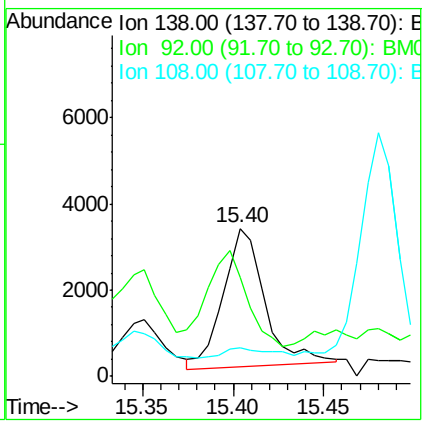


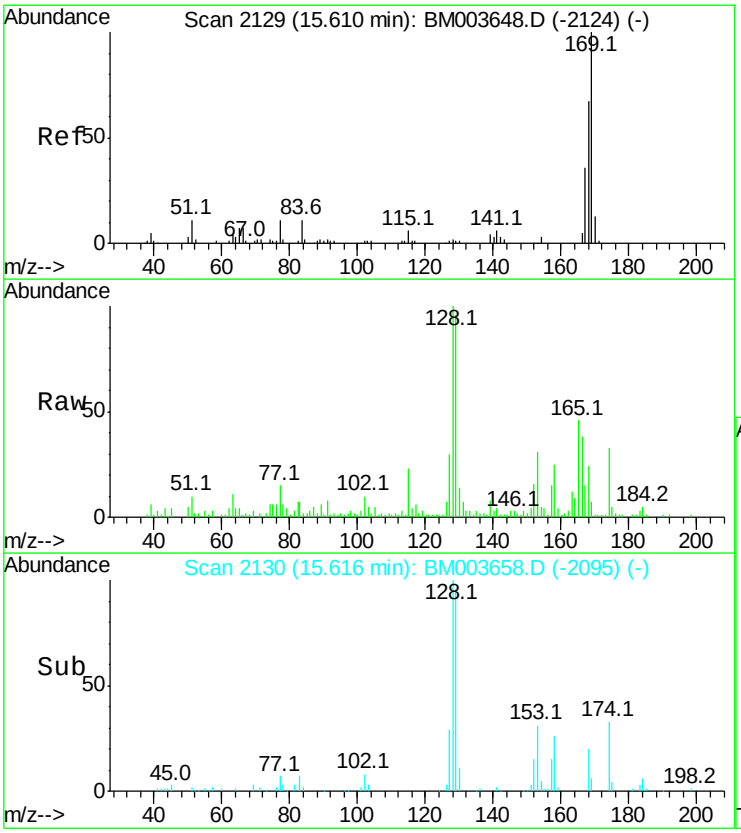
#61
4-Nitroaniline
Concen: 3.53 ng/ul
RT: 15.40 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:138 Resp: 5145

Ion	Ratio	Lower	Upper
138	100		
92	66.8	40.6	60.8#
108	19.5	67.0	100.6#

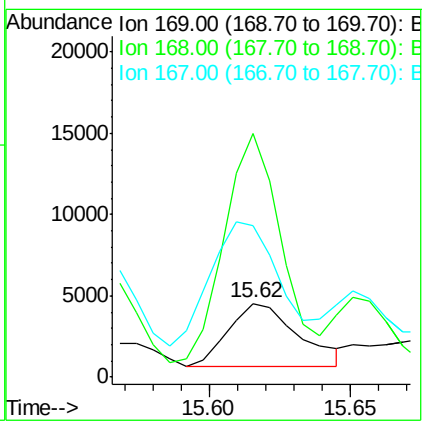


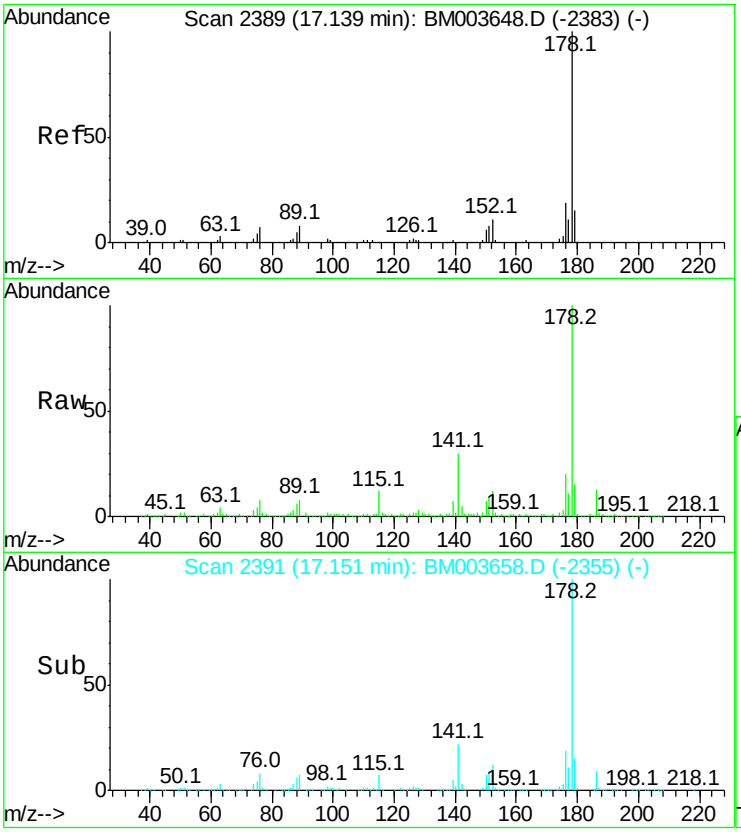


#65
N-Nitrosodiphenylamine
Concen: 1.46 ng/ul
RT: 15.62 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:169 Resp: 6630

Ion	Ratio	Lower	Upper
169	100		
168	330.9	53.8	80.8#
167	206.0	29.3	43.9#



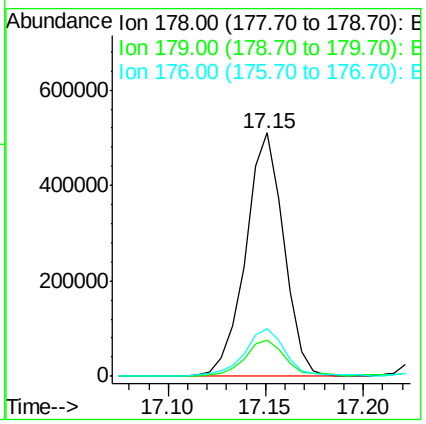


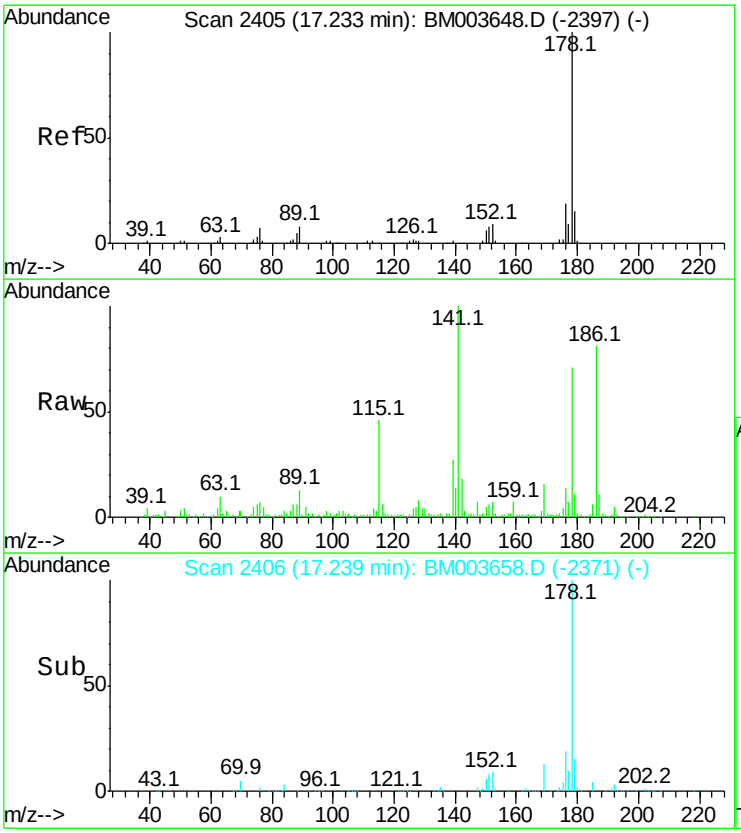
#70
Phenanthrene
Concen: 79.84 ng/ul
RT: 17.15 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:178 Resp: 684549

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.4
176	19.6	15.6	23.4

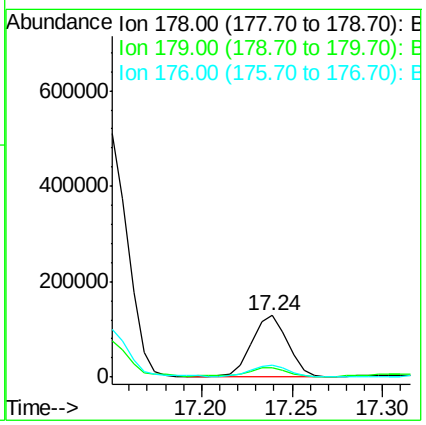


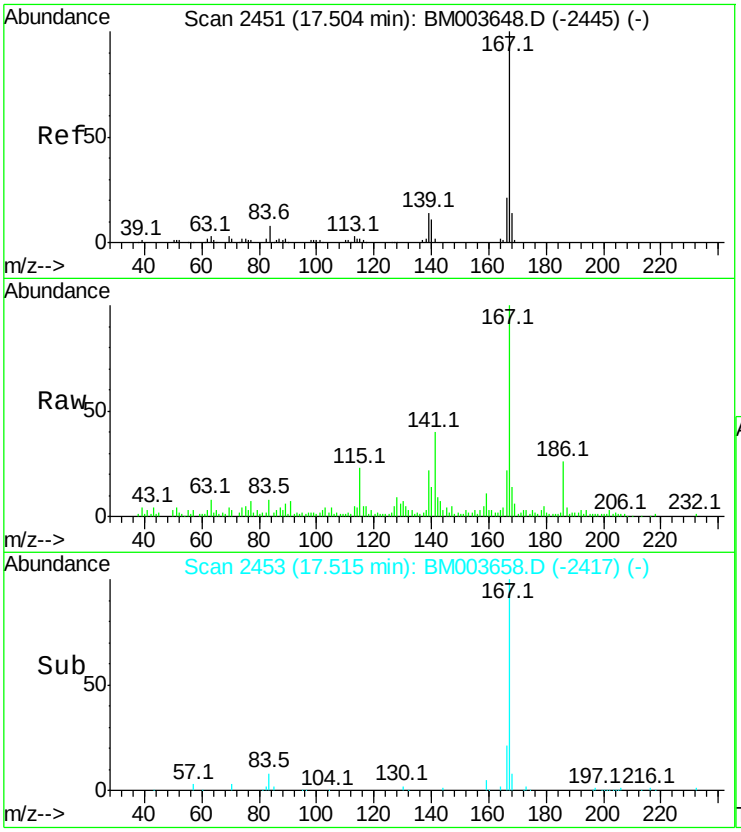


#72
Anthracene
Concen: 19.97 ng/ul
RT: 17.24 min Scan# 2406
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:178 Resp: 174586

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.1	18.1
176	19.3	14.8	22.2



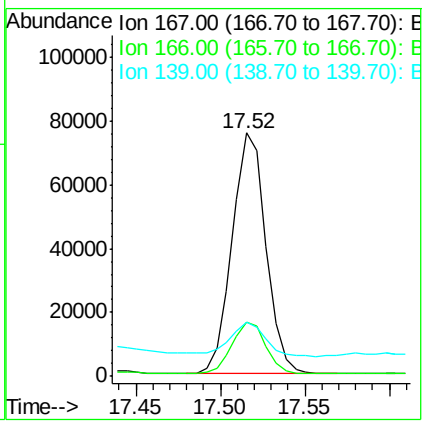


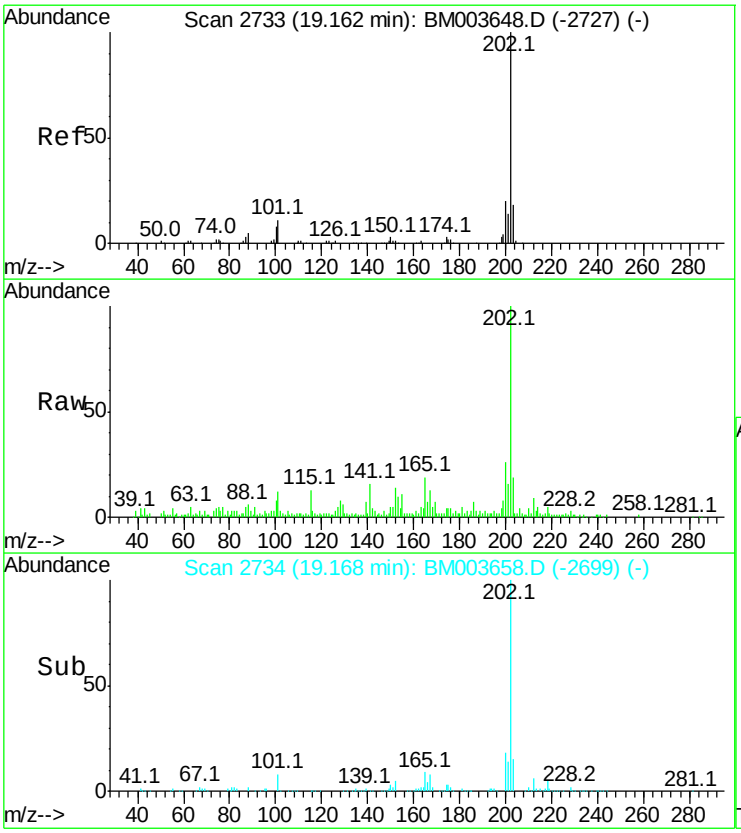
#75
Carbazole
Concen: 13.18 ng/ul
RT: 17.52 min Scan# 2453
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:167 Resp: 105169

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.0	25.6
139	22.4	11.0	16.4#

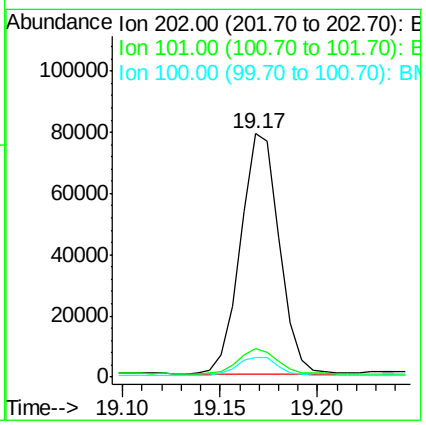


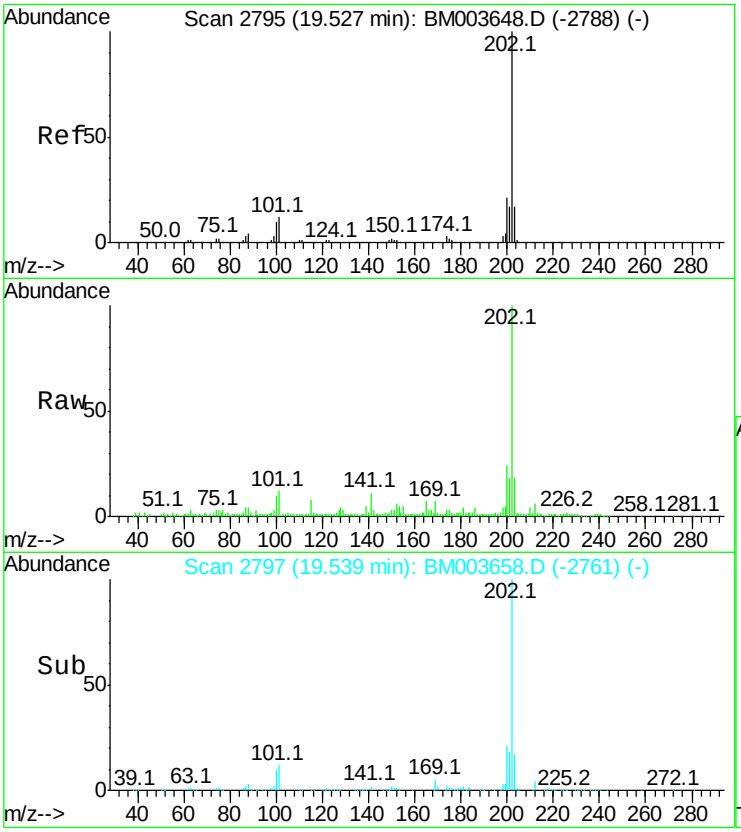


#77
Fluoranthene
Concen: 10.94 ng/ul
RT: 19.17 min Scan# 2734
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:202 Resp: 107795

Ion	Ratio	Lower	Upper
202	100		
101	11.7	8.8	13.2
100	8.2	6.6	9.8



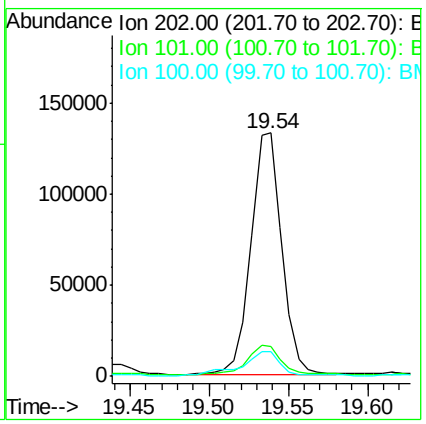


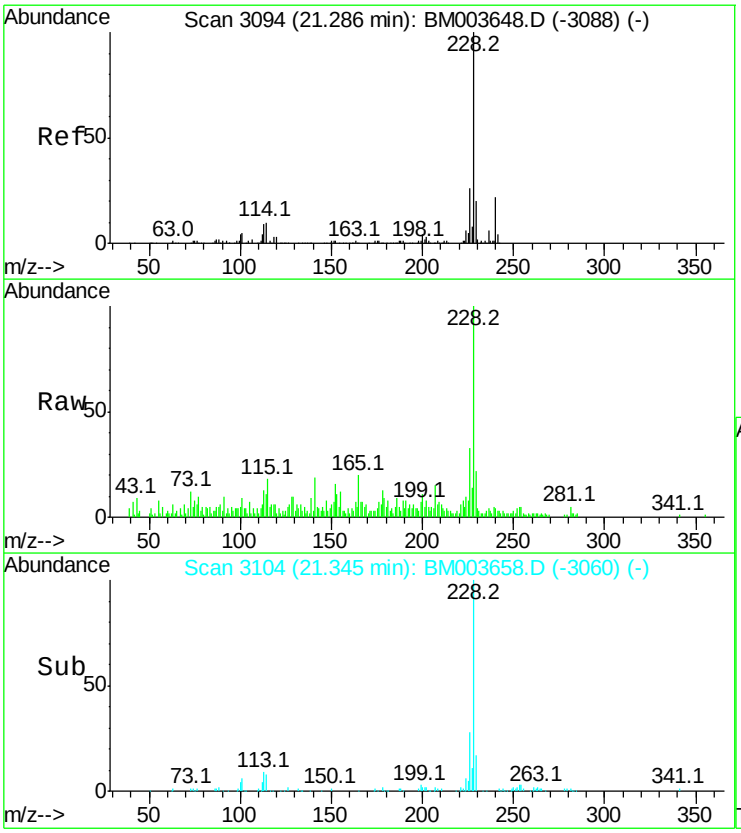
#80
Pyrene
Concen: 14.01 ng/ul
RT: 19.54 min Scan# 2797
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:202 Resp: 178921

Ion	Ratio	Lower	Upper
202	100		
101	12.0	10.2	15.2
100	9.9	8.5	12.7

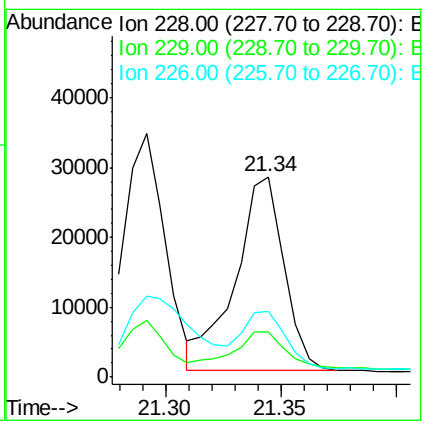


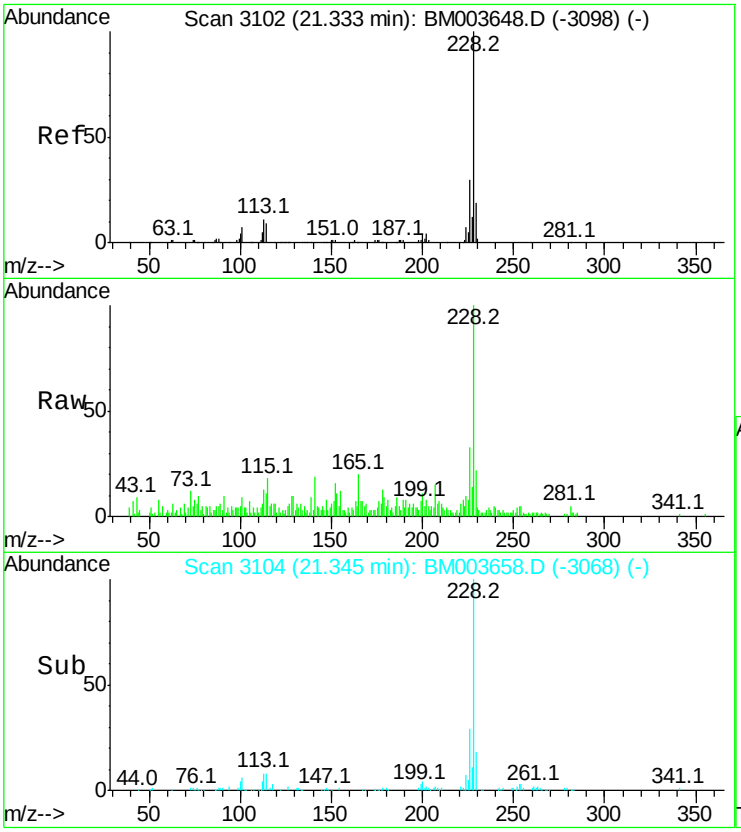


#83
Benzo(a)anthracene
Concen: 3.06 ng/ul
RT: 21.34 min Scan# 3104
Delta R.T. 0.06 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:228 Resp: 40890

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.7	23.5
226	32.6	21.8	32.6



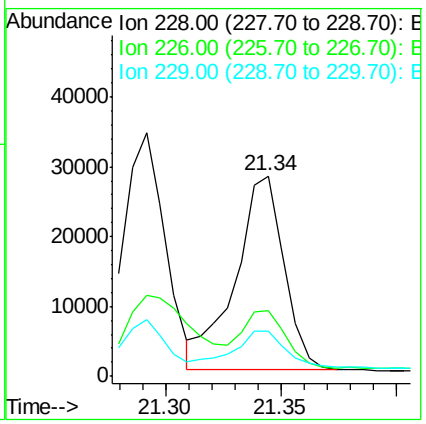


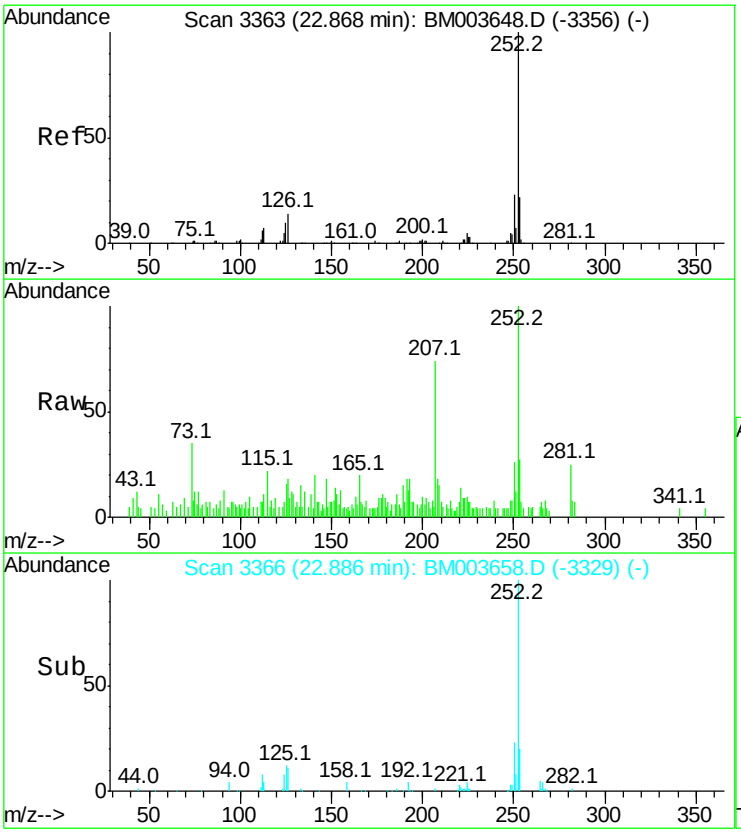
#85
Chrysene
Concen: 3.18 ng/ul
RT: 21.34 min Scan# 3104
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:228 Resp: 40971

Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.0	36.0
229	22.4	15.6	23.4

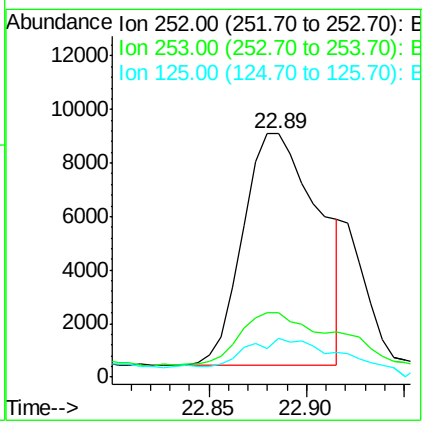


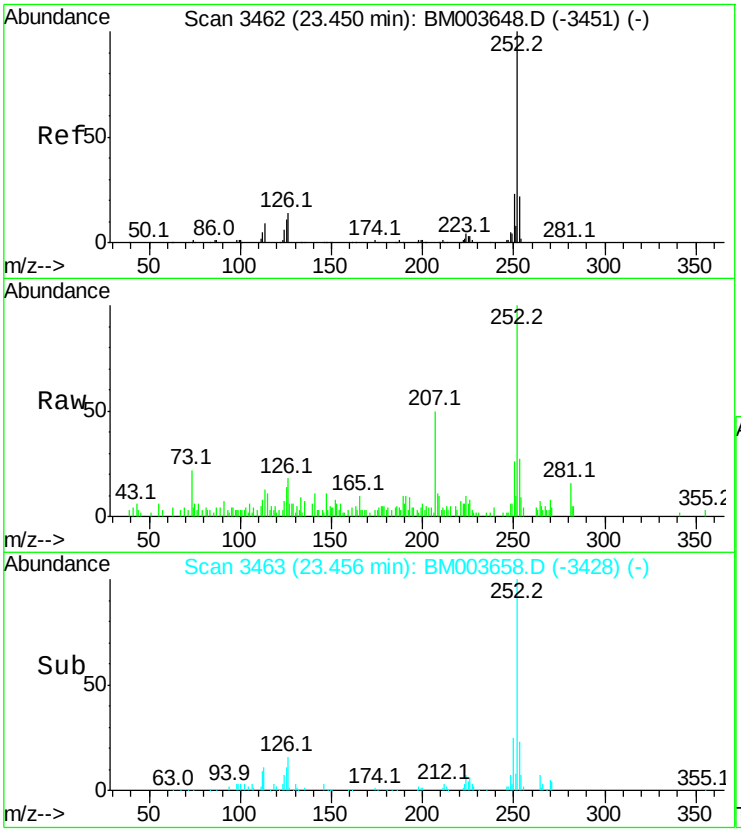


#88
Benzo(b)fluoranthene
Concen: 1.89 ng/ul
RT: 22.89 min Scan# 3366
Delta R.T. 0.02 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Tgt Ion:252 Resp: 23296

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.5	26.3#
125	15.9	8.5	12.7#





#91
Benzo(a)pyrene
Concen: 2.19 ng/ul
RT: 23.46 min Scan# 3463
Delta R.T. 0.01 min
Lab File: BM003658.D
Acq: 20 Dec 2015 17:17

Instrument :
BNA_M
ClientSampleId :
G9DA1

Tgt Ion:252 Resp: 25801

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.2	25.8#
125	13.6	9.0	13.6#