Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002238.D
Acq On : 05 Aug 2015 18:32
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Aug 06 01:46:55 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	30992	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	141888	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	93691	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	217383	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	288614	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	250656	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.95	96	1992	3.65	ng/uL	0.00
5) Phenol-d5	6.73	99	48421	21.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	27843	23.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	46929	23.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	46909	24.53	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	24287	23.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	27056	22.31	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	41908	18.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	33357	12.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	166915	24.49	ng/ul	0.00
47) Acenaphthylene-d8	13.88	160	209361	24.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	22740	25.75	ng/ul	0.02
58) Fluorene-d10	15.19	176	156006	25.92	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	8639	6.90	ng/ul	0.00
71) Anthracene-d10	17.05	188	244092	25.23	ng/ul	0.00
79) Pyrene-d10	19.36	212	291913	21.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	300764	24.71	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	6.80	77	1190	1.03	ng/ul#	1
28) Naphthalene	10.35	128	14478	2.16	ng/ul	97
34) 2-Methylnaphthalene	11.98	142	10554	2.04	ng/ul	100
35) 1-Methylnaphthalene	12.21	142	7496	1.52	ng/ul#	96
45) Dimethylphthalate	13.65	163	69289	10.20	ng/ul	99
48) Acenaphthylene	13.92	152	36265	4.13	ng/ul#	93
50) Acenaphthene	14.26	153	34213	5.96	ng/ul	100
54) Dibenzofuran	14.60	168	19564	2.35	ng/ul#	87
59) Fluorene	15.25	166	33825	4.95	ng/ul	99
70) Phenanthrene	16.99	178	682927	61.18	ng/ul	99
72) Anthracene	17.09	178	164741	14.44	ng/ul	99
75) Carbazole	17.37	167	45943	4.83	ng/ul#	96
76) Di-n-butylphthalate	17.92	149	16015	1.43	ng/ul#	92
77) Fluoranthene	19.03	202	1732077	141.79	ng/ul	100
80) Pyrene	19.39	202	1710570	96.43	ng/ul	98
83) Benzo(a)anthracene	21.15	228	1062357	65.70	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.06	149	95484	10.49	ng/ul	97
85) Chrysene	21.20	228	986260	66.25	ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	1244316	88.10	ng/ul#	96
89) Benzo(k)fluoranthene	22.70	252	302723	22.13	ng/ul#	96
91) Benzo(a)pyrene	23.26	252	832117	61.69	ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.56	276	475157	31.26	ng/ul	96
93) Dibenzo(a,h)anthracene	25.54	278	133412	10.29	ng/ul#	71

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002238.D
Acq On : 05 Aug 2015 18:32
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 06 01:46:55 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	26.23	276	435523	34.41	ng/ul	99

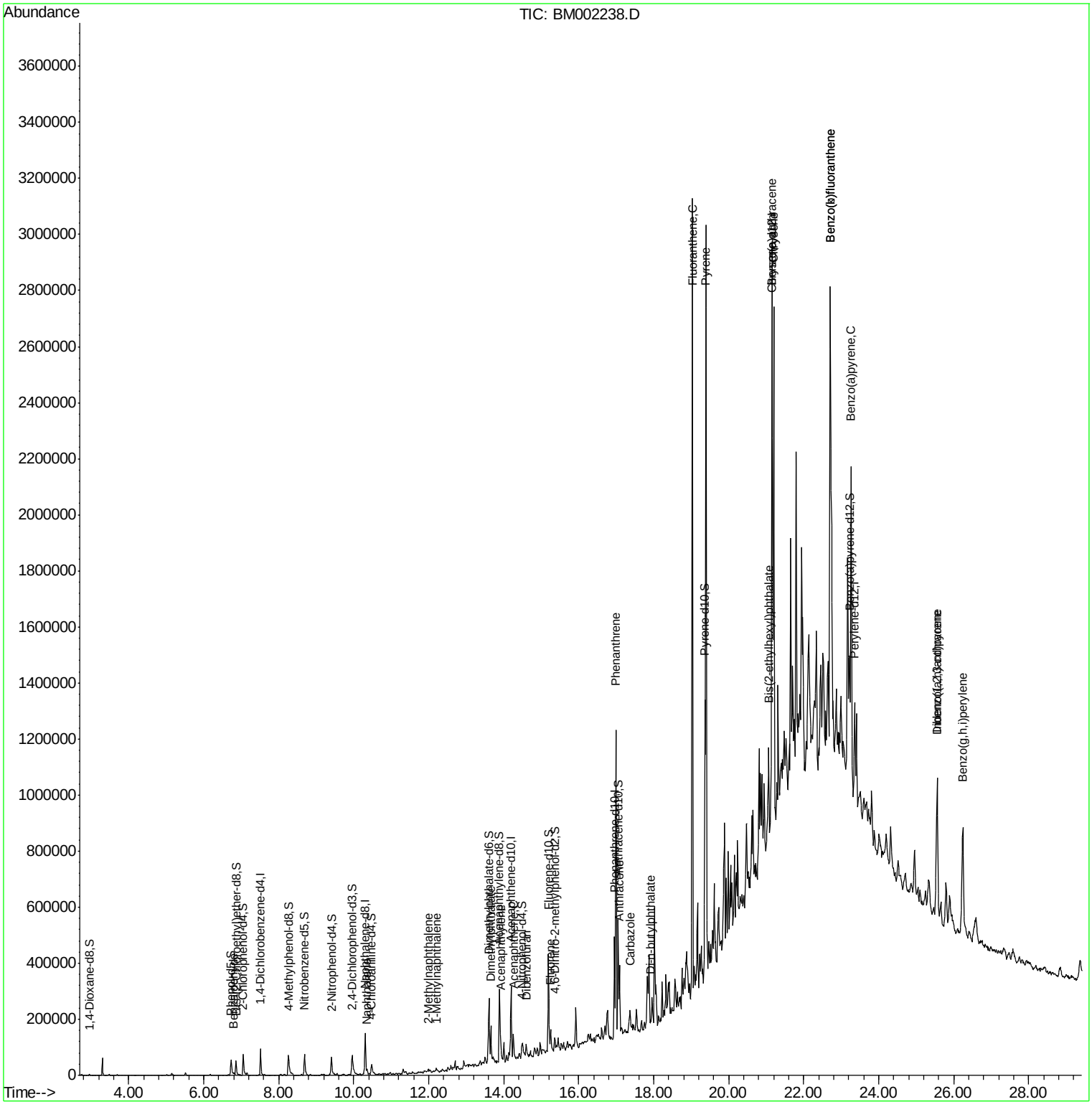
(#) = qualifier out of range (m) = manual integration (+) = signals summed

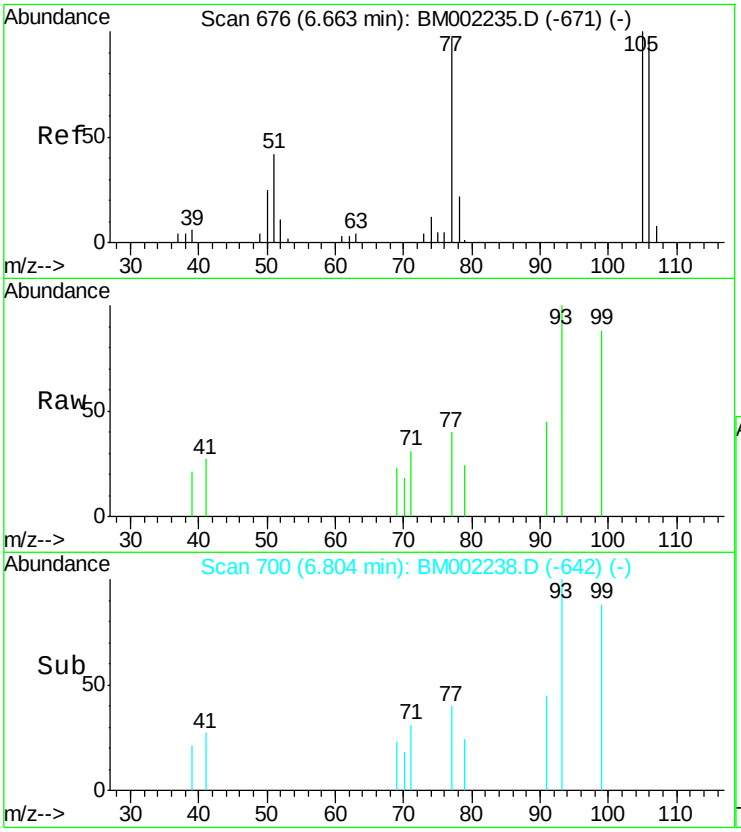
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002238.D
Acq On : 05 Aug 2015 18:32
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 06 01:46:55 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration



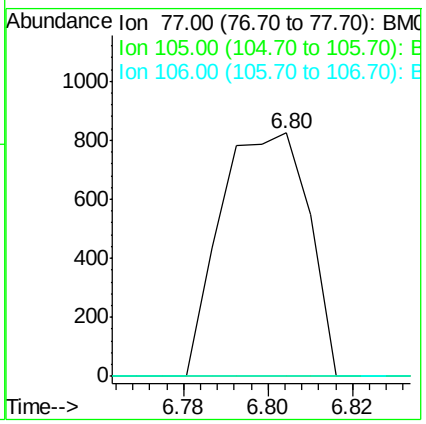


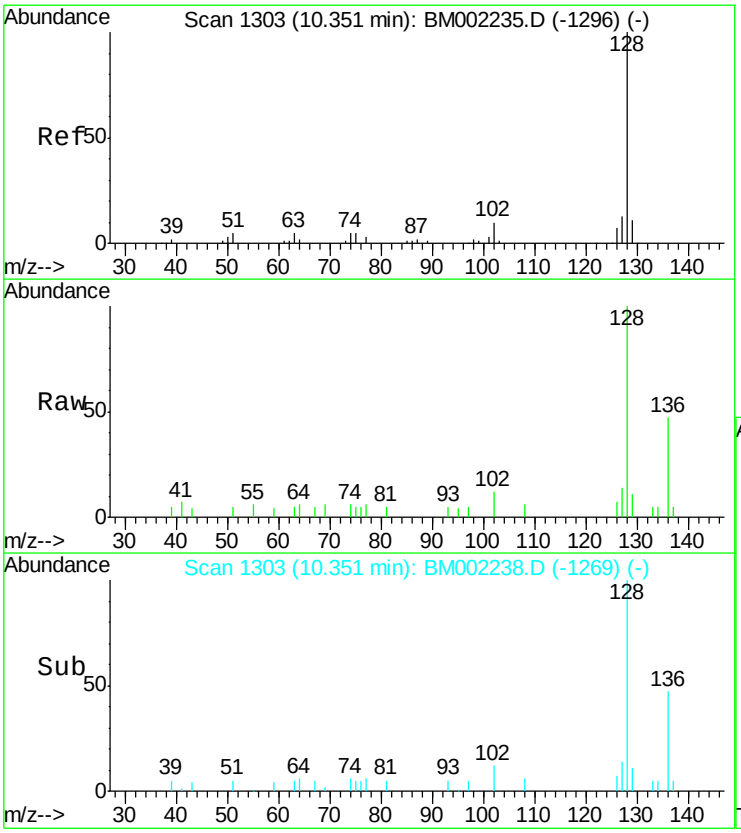
#4
Benzaldehyde
Concen: 1.03 ng/ul
RT: 6.80 min Scan# 700
Delta R.T. 0.14 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 1190

Ion	Ratio	Lower	Upper
77	100		
105	0.0	80.0	120.0#
106	0.0	76.9	115.3#

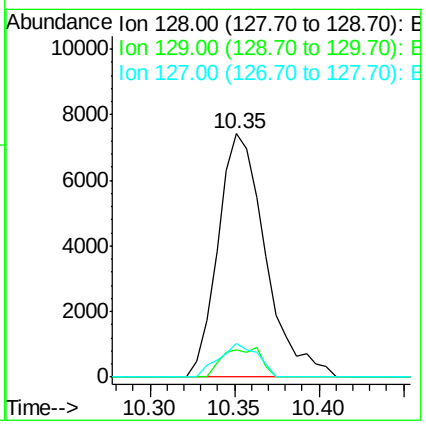


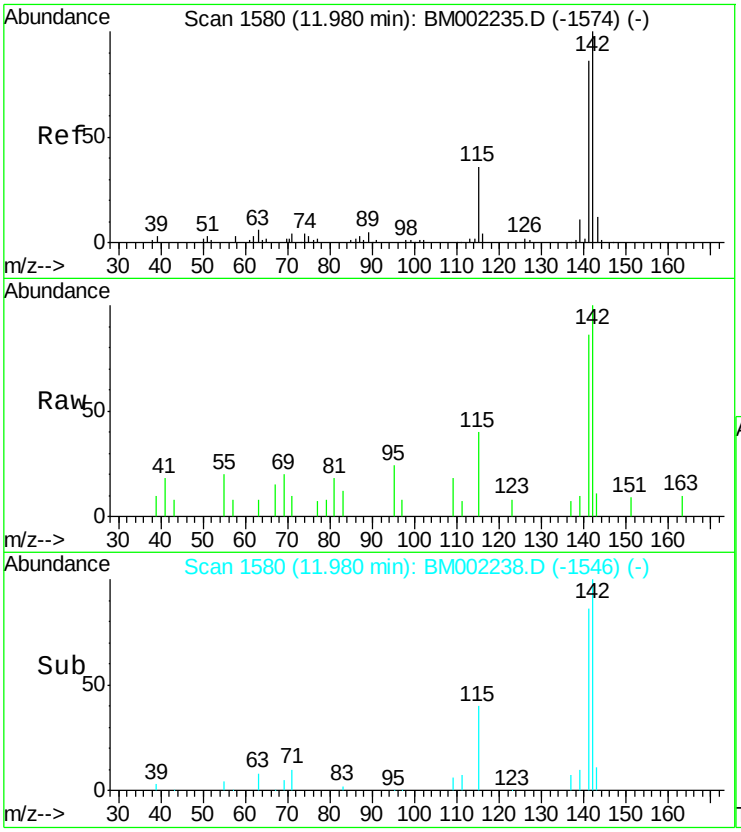


#28
Naphthalene
Concen: 2.16 ng/ul
RT: 10.35 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:128 Resp: 14478

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.2	12.2
127	14.0	10.1	15.1



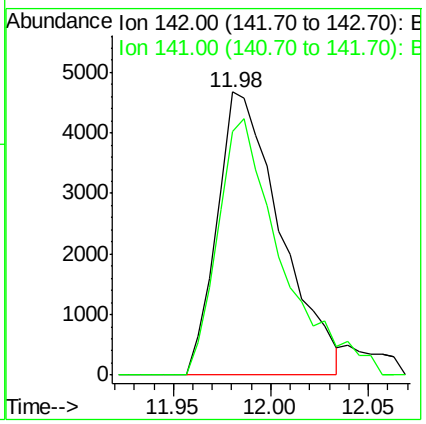


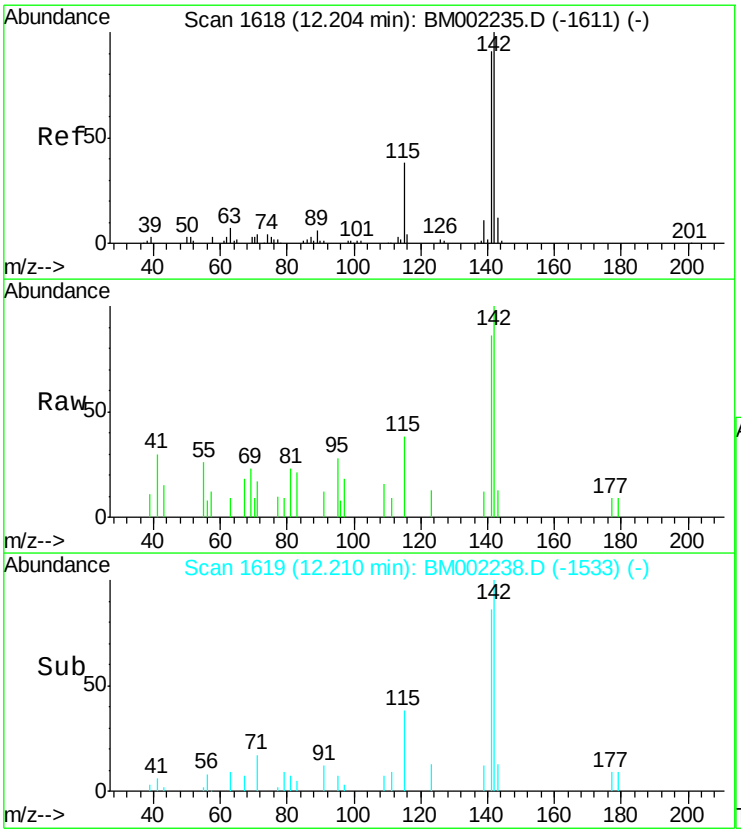
#34
2-Methylnaphthalene
Concen: 2.04 ng/ul
RT: 11.98 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 10554

Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.9	103.3

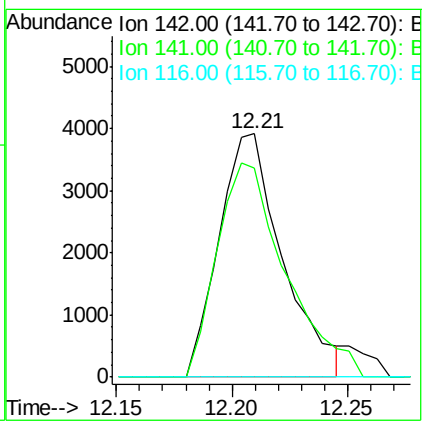


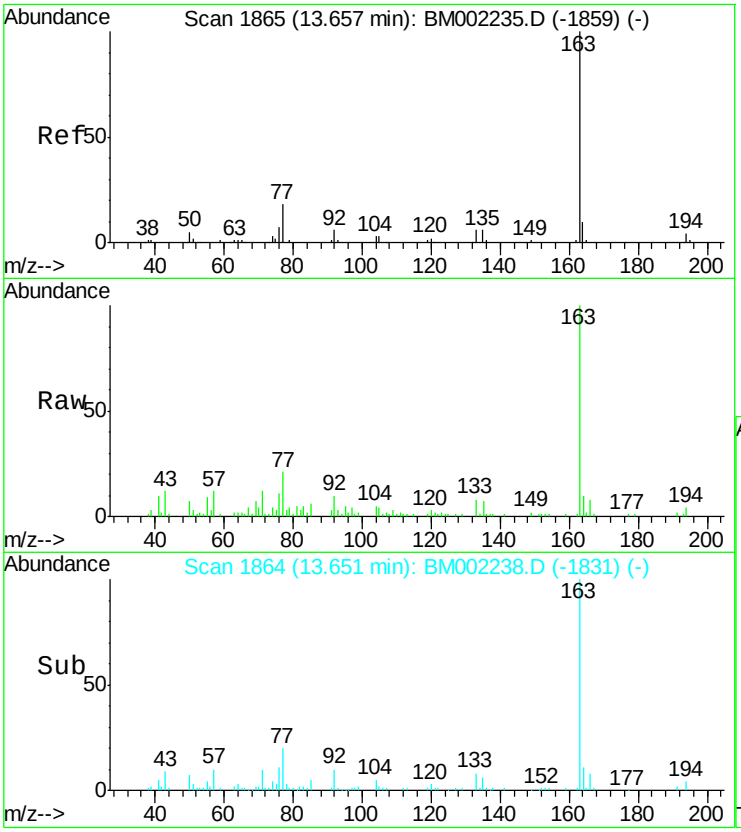


#35
1-Methylnaphthalene
Concen: 1.52 ng/ul
RT: 12.21 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:142 Resp: 7496

Ion	Ratio	Lower	Upper
142	100		
141	85.7	71.0	106.4
116	0.0	3.3	4.9#



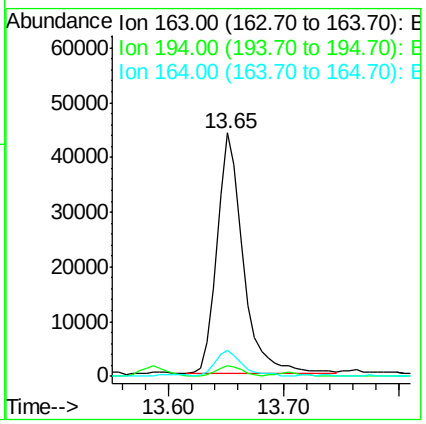


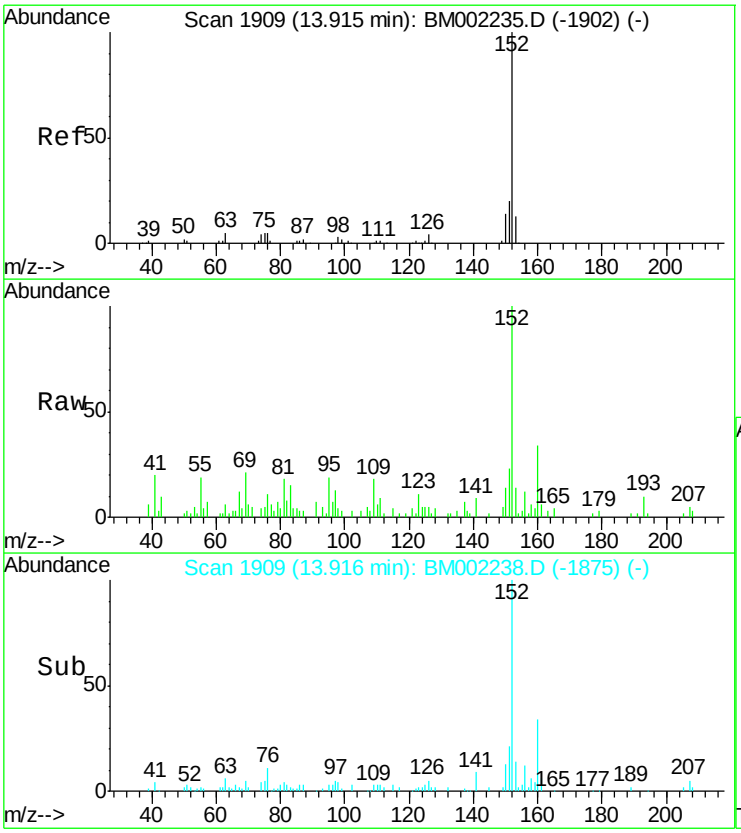
#45
Dimethylphthalate
Concen: 10.20 ng/ul
RT: 13.65 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:163 Resp: 69289

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.5	7.9	11.9

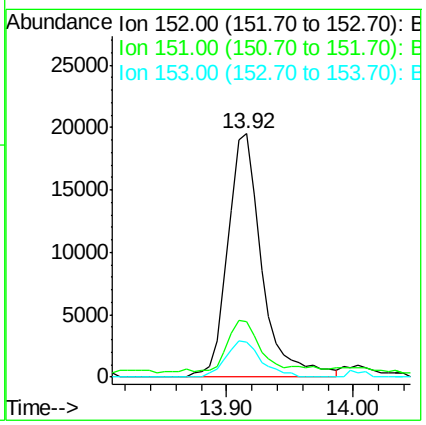


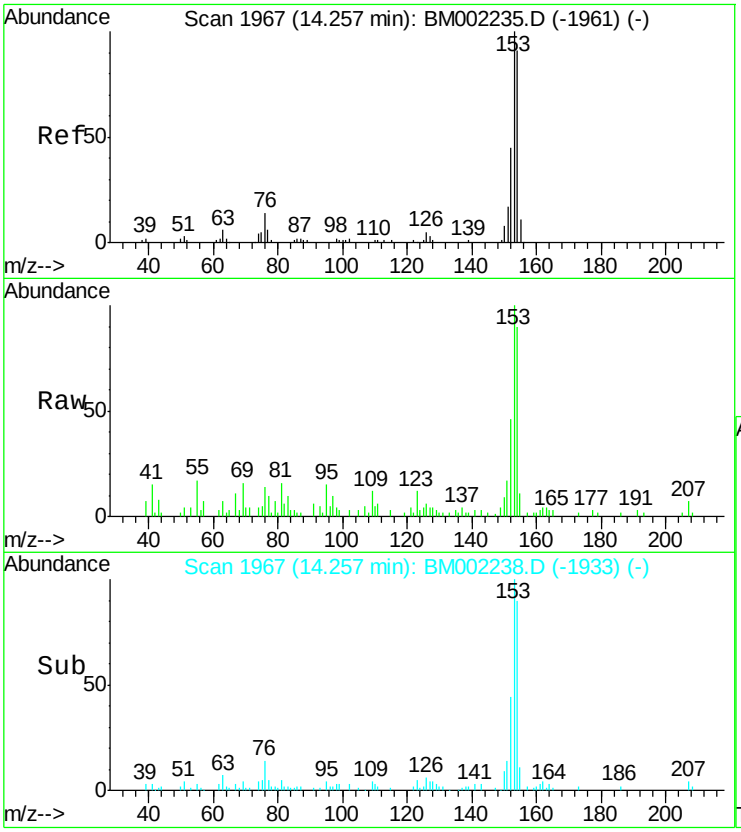


#48
Acenaphthylene
Concen: 4.13 ng/ul
RT: 13.92 min Scan# 1909
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:152 Resp: 36265

Ion	Ratio	Lower	Upper
152	100		
151	23.0	15.2	22.8#
153	14.2	10.3	15.5



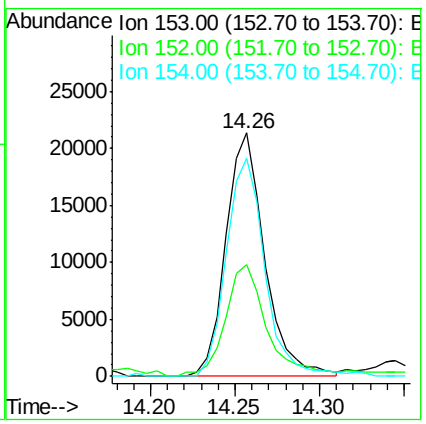


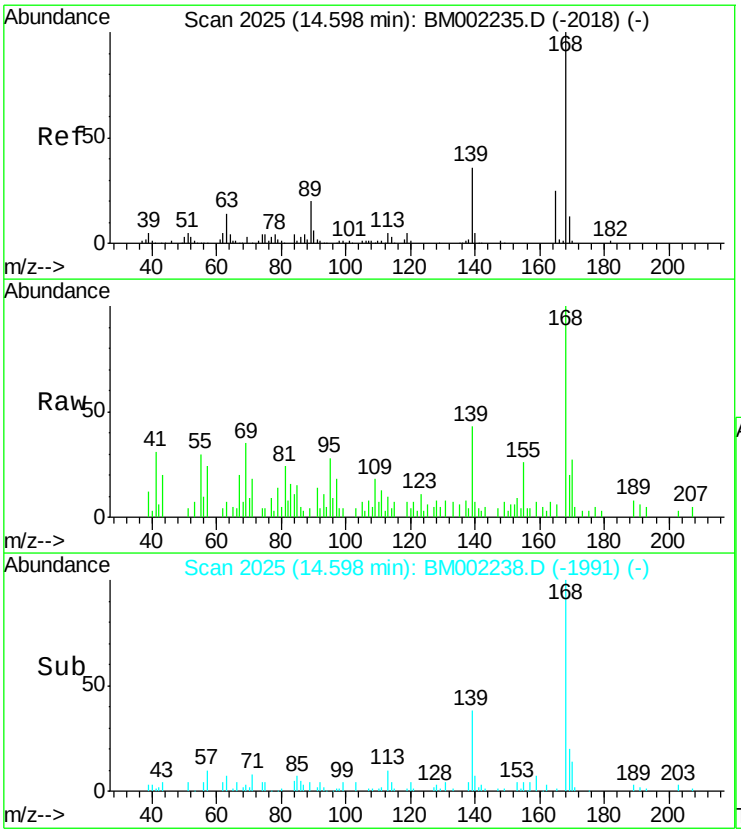
#50
Acenaphthene
Concen: 5.96 ng/ul
RT: 14.26 min Scan# 1967
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:153 Resp: 34213

Ion	Ratio	Lower	Upper
153	100		
152	46.1	36.6	54.8
154	89.7	71.7	107.5

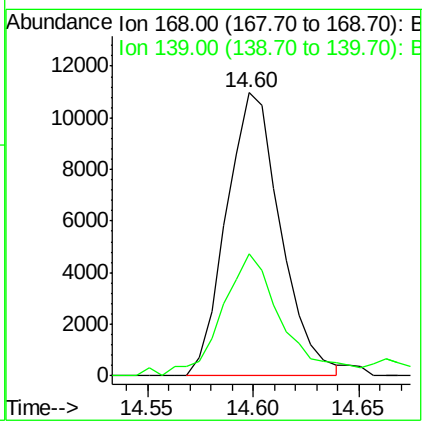


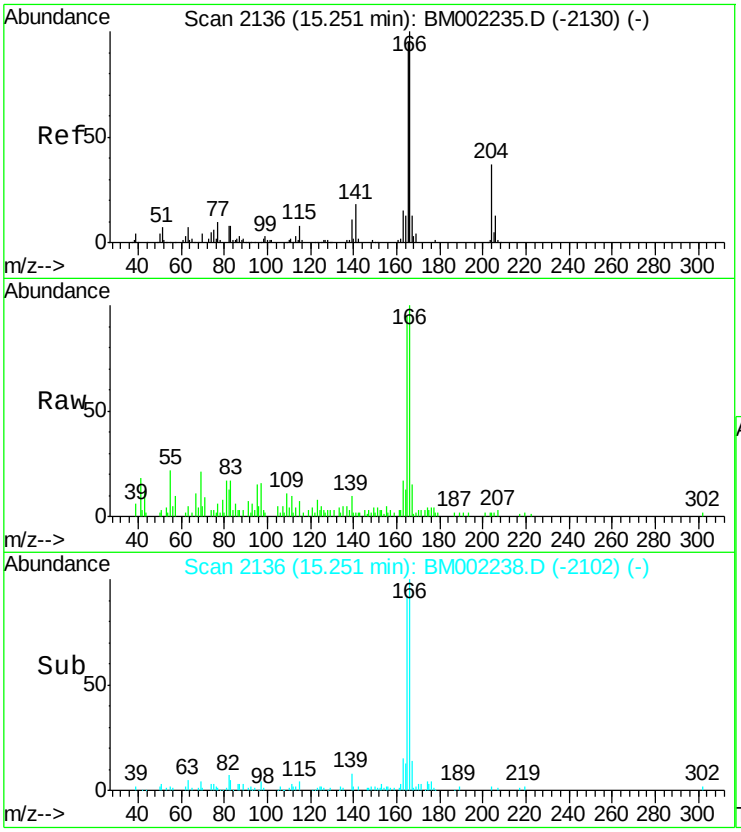


#54
Dibenzofuran
Concen: 2.35 ng/ul
RT: 14.60 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:168 Resp: 19564

Ion	Ratio	Lower	Upper
168	100		
139	43.1	28.6	42.8#



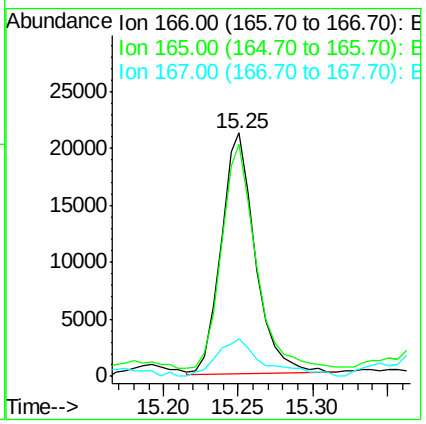


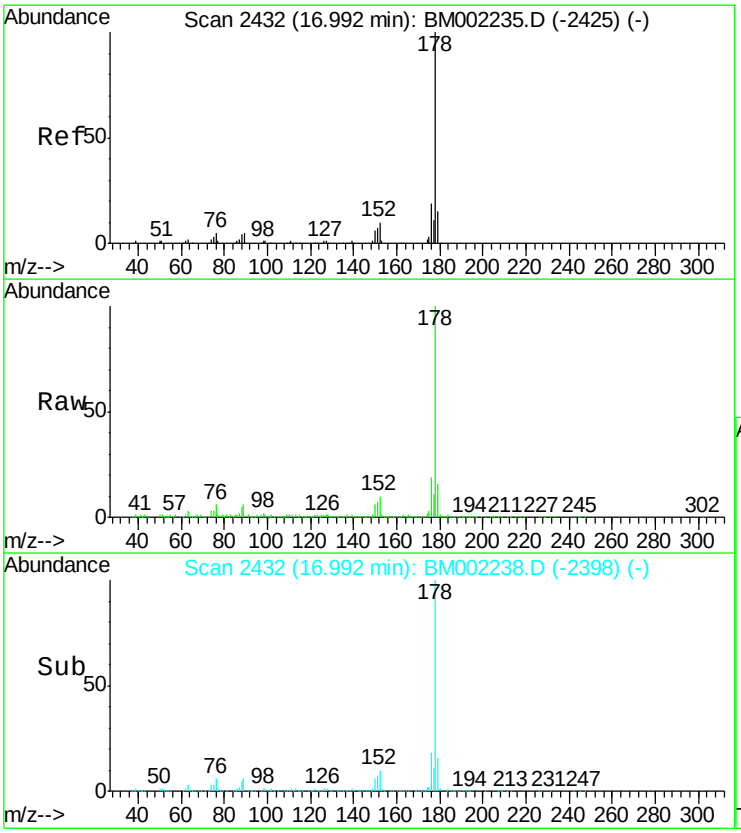
#59
Fluorene
Concen: 4.95 ng/ul
RT: 15.25 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 33825

Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.0	114.0
167	15.4	10.5	15.7

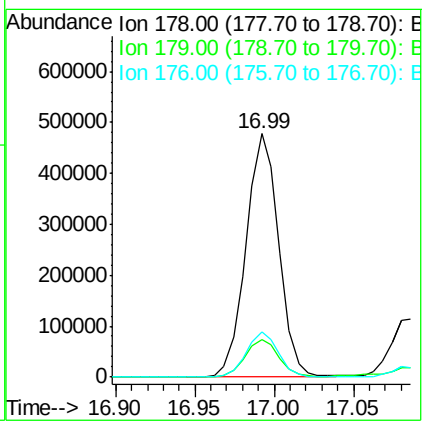


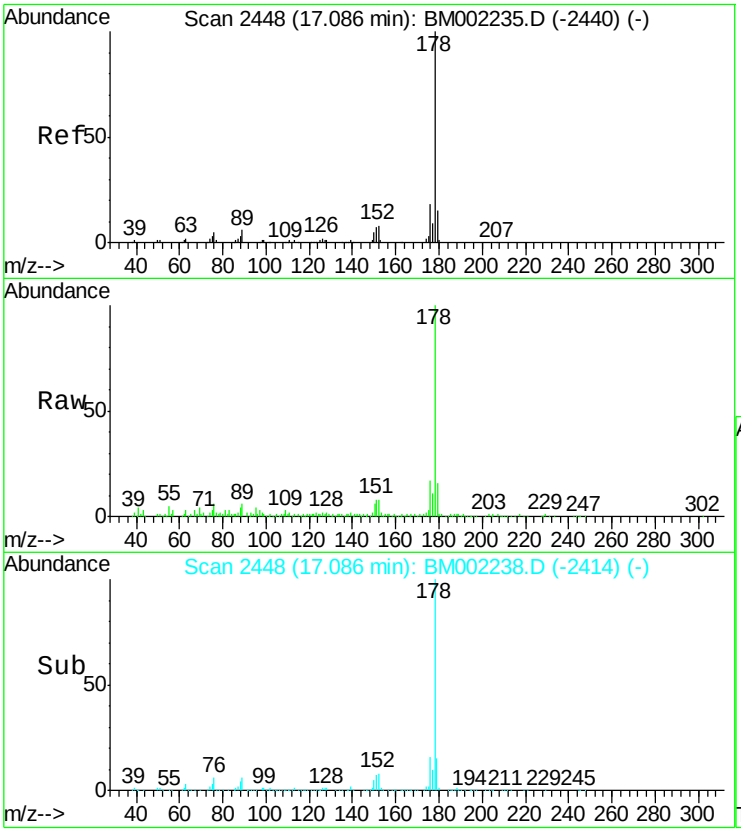


#70
Phenanthrene
Concen: 61.18 ng/ul
RT: 16.99 min Scan# 2432
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:178 Resp: 682927

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.4
176	18.5	14.6	21.8



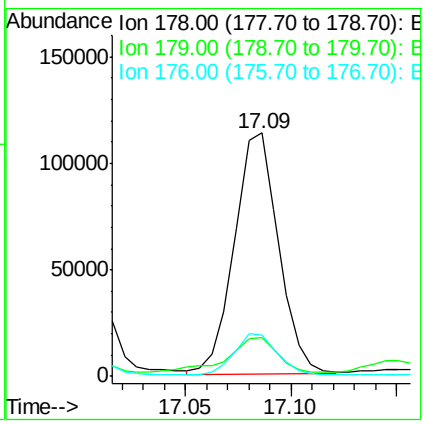


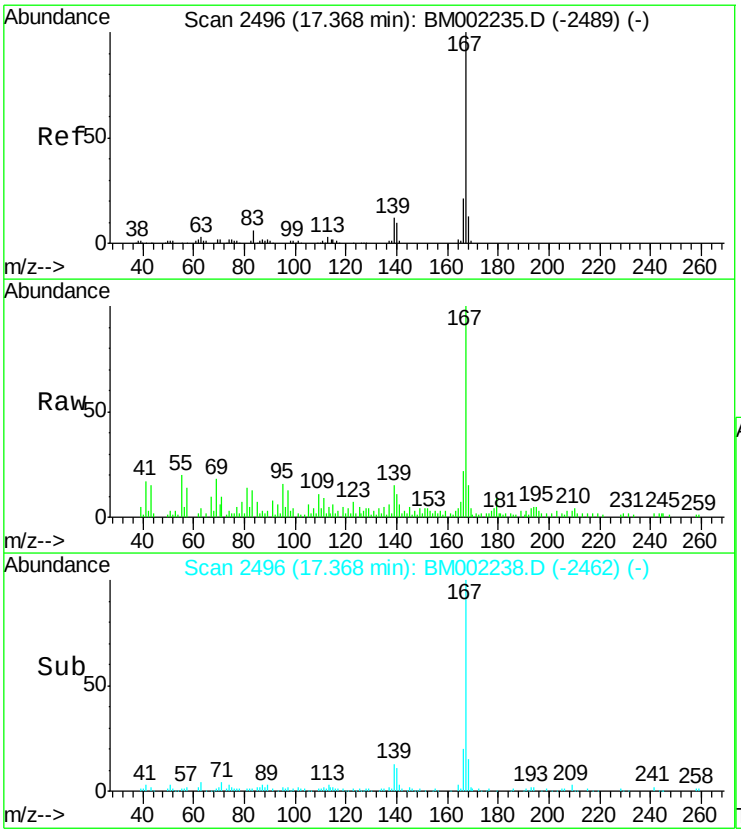
#72
Anthracene
Concen: 14.44 ng/ul
RT: 17.09 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 164741

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.2
176	16.8	13.8	20.6

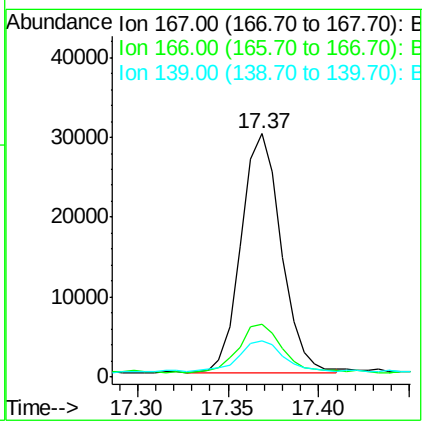


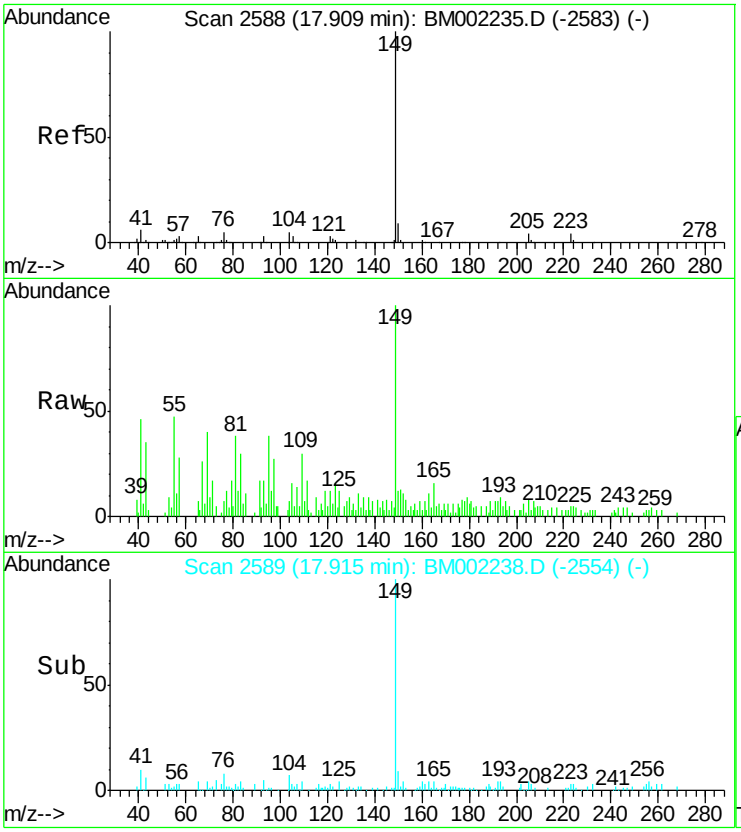


#75
Carbazole
Concen: 4.83 ng/ul
RT: 17.37 min Scan# 2496
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:167 Resp: 45943

Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.7	25.1
139	15.1	9.4	14.2#



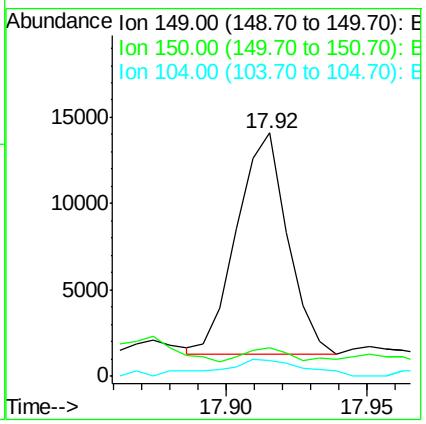


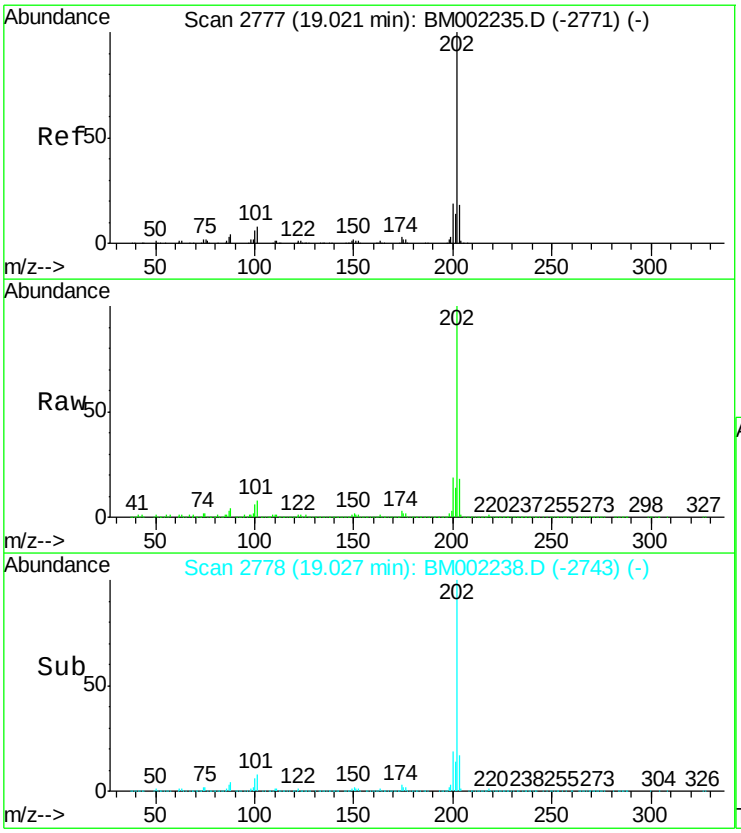
#76
Di-n-butylphthalate
Concen: 1.43 ng/ul
RT: 17.92 min Scan# 2589
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 16015

Ion	Ratio	Lower	Upper
149	100		
150	12.0	7.0	10.4#
104	6.6	4.0	6.0#

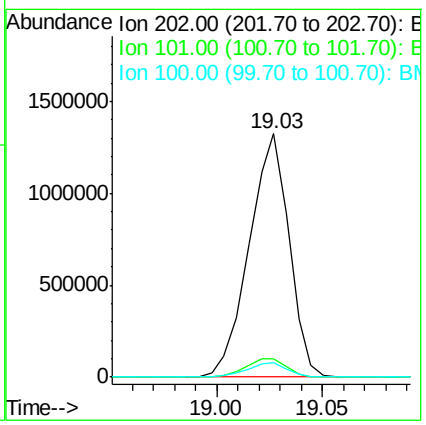


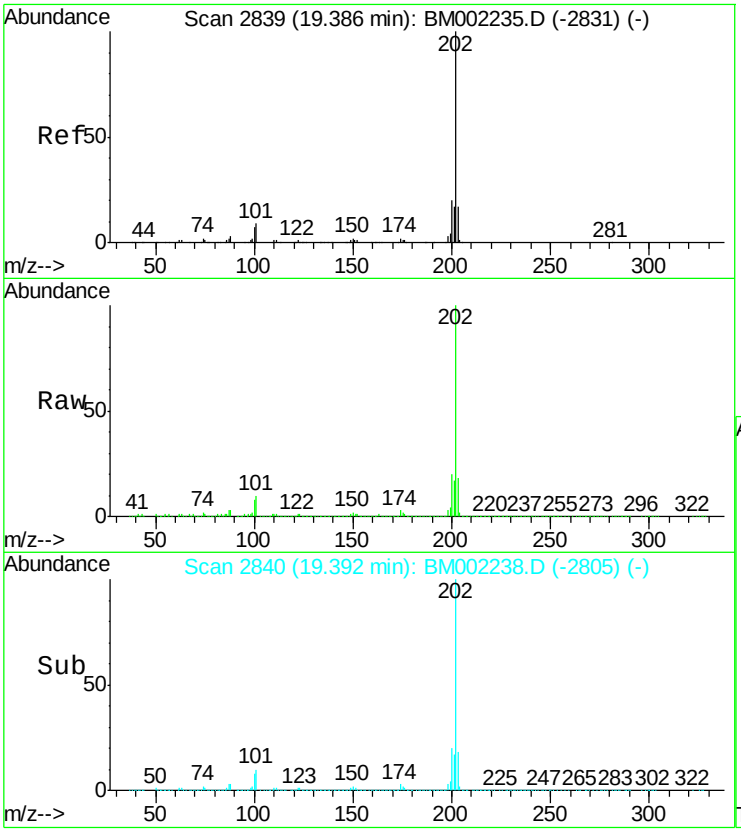


#77
Fluoranthene
Concen: 141.79 ng/ul
RT: 19.03 min Scan# 2778
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:202 Resp: 1732077

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.2
100	6.0	4.8	7.2



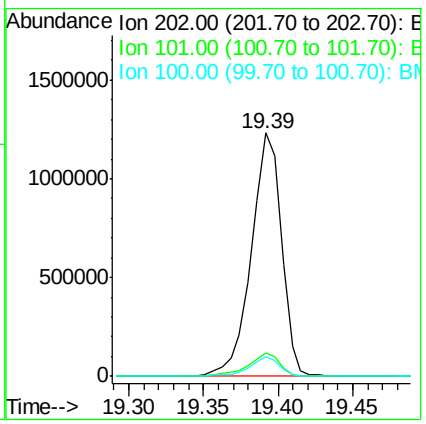


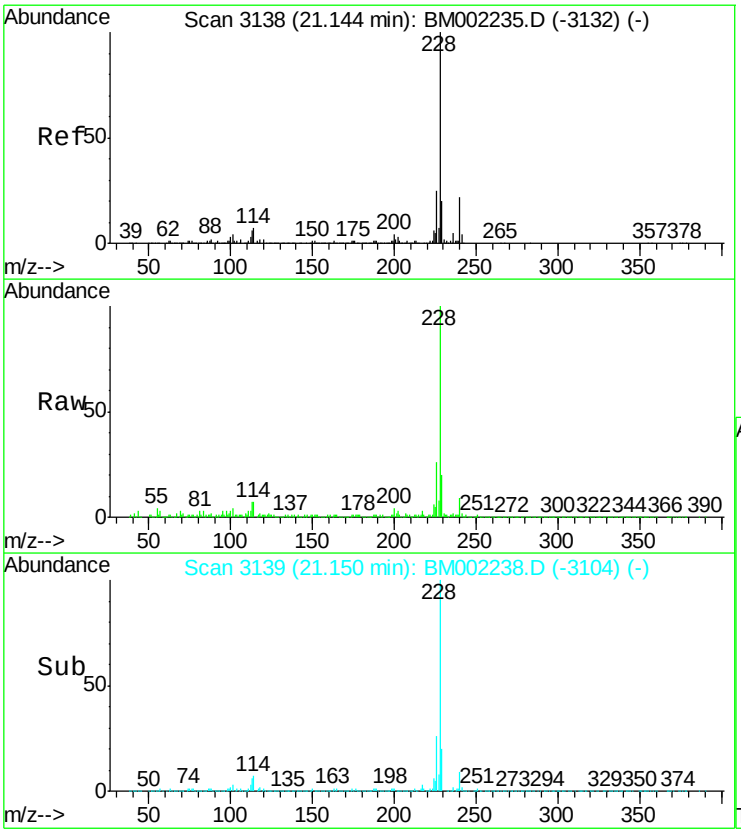
#80
Pyrene
Concen: 96.43 ng/ul
RT: 19.39 min Scan# 2840
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 1710570

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.0	10.6
100	7.9	5.8	8.8

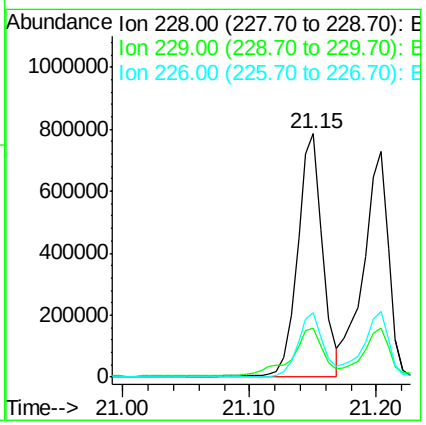


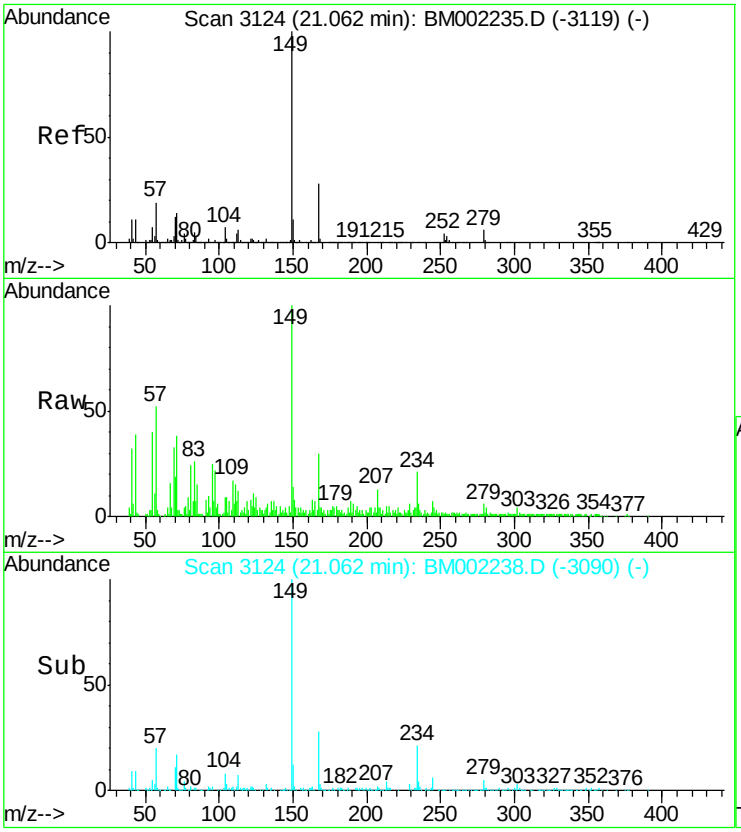


#83
Benzo(a)anthracene
Concen: 65.70 ng/ul
RT: 21.15 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:228 Resp: 1062357

Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	26.3	20.6	31.0



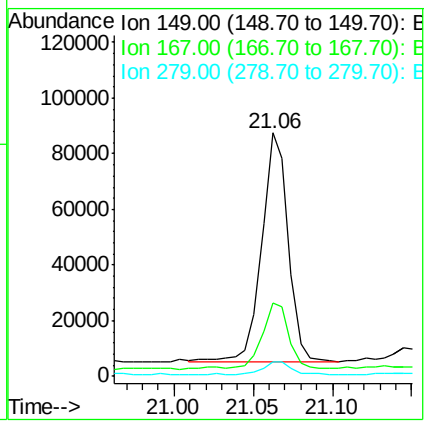


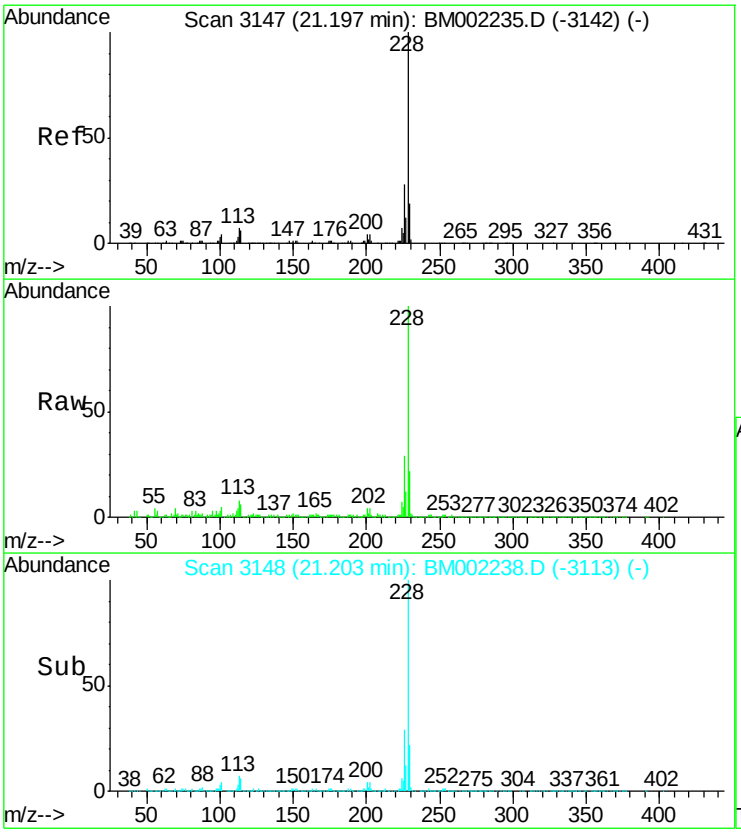
#84
Bis(2-ethylhexyl)phthalate
Concen: 10.49 ng/ul
RT: 21.06 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:149 Resp: 95484

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.0	34.4
279	5.9	4.0	6.0

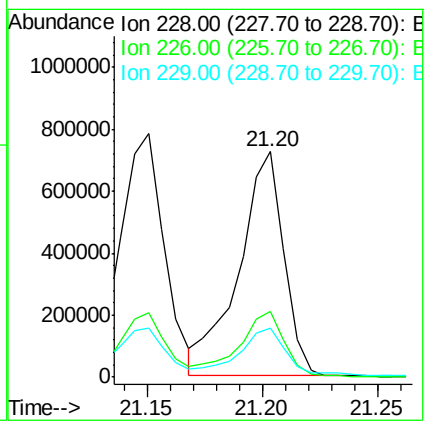


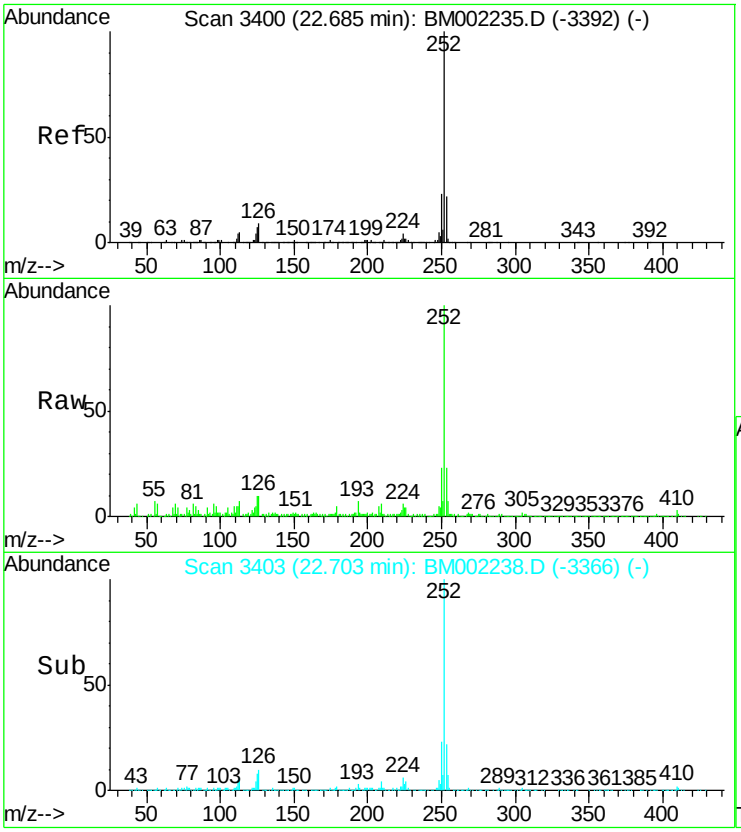


#85
Chrysene
Concen: 66.25 ng/ul
RT: 21.20 min Scan# 3148
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:228 Resp: 986260

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	22.0	15.5	23.3



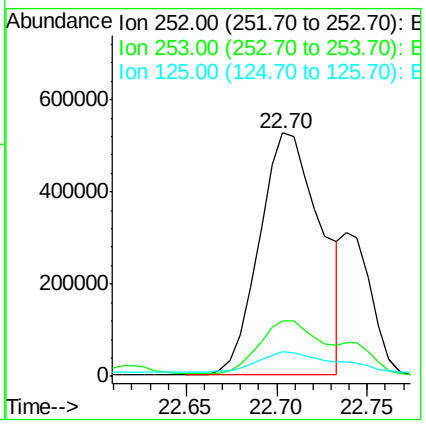


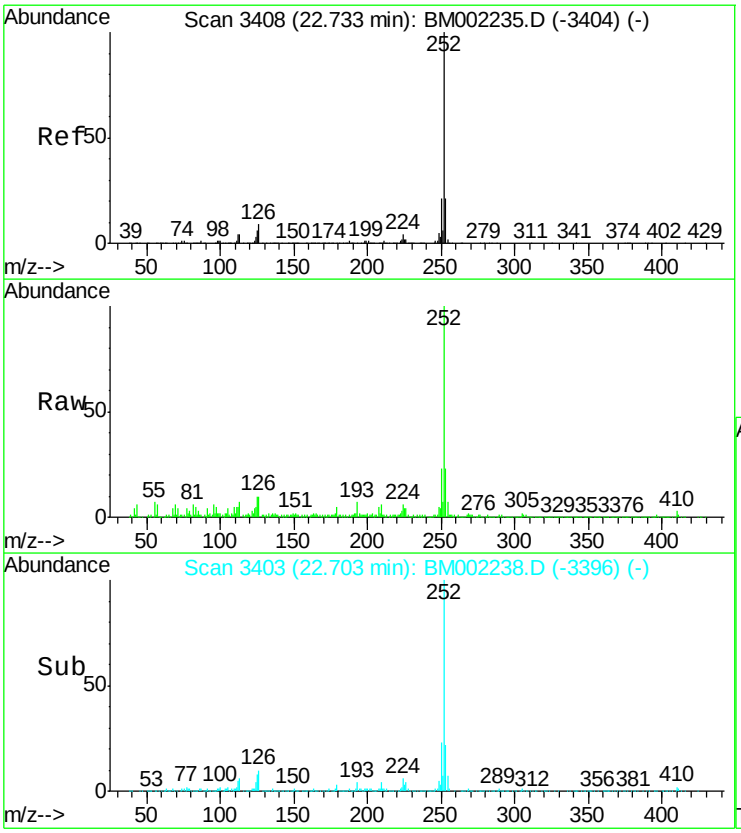
#88
Benzo(b)fluoranthene
Concen: 88.10 ng/ul
RT: 22.70 min Scan# 3403
Delta R.T. 0.02 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 1244316

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	9.9	5.4	8.2#

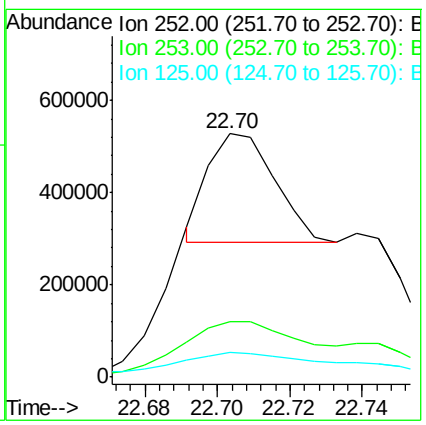


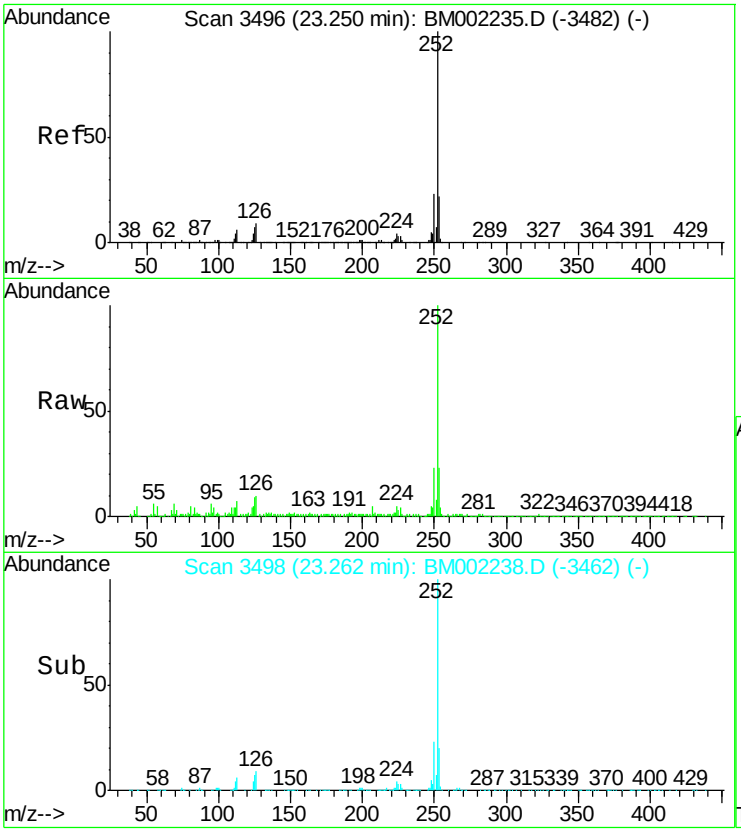


#89
Benzo(k)fluoranthene
Concen: 22.13 ng/ul
RT: 22.70 min Scan# 3403
Delta R.T. -0.03 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:252 Resp: 302723

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	9.9	5.6	8.4#



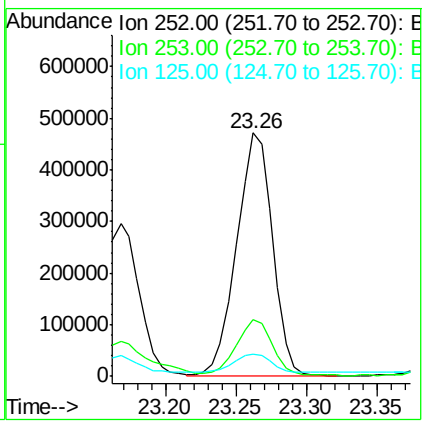


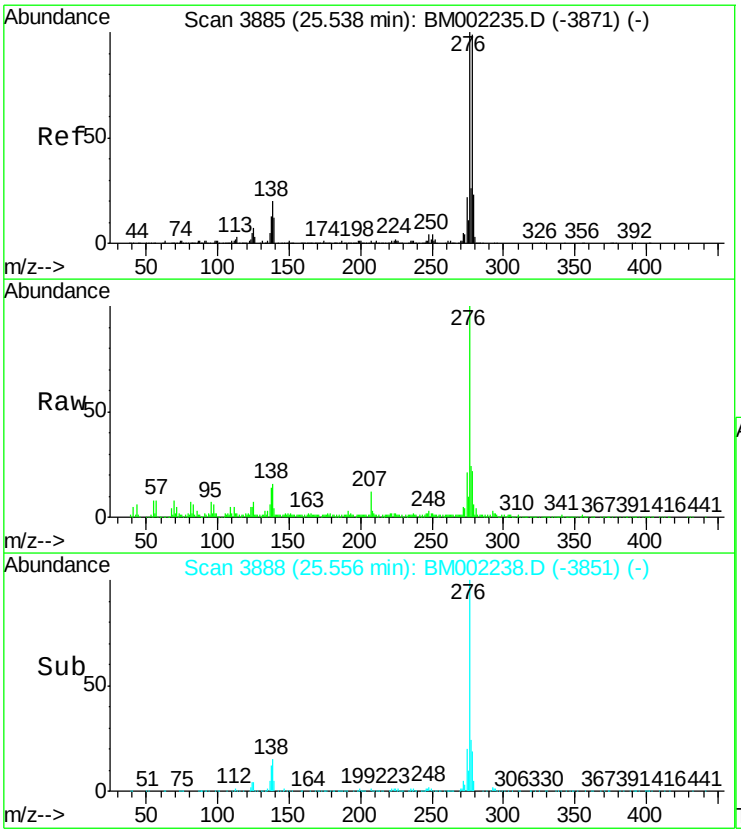
#91
Benzo(a)pyrene
Concen: 61.69 ng/ul
RT: 23.26 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 832117

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	9.4	6.1	9.1#

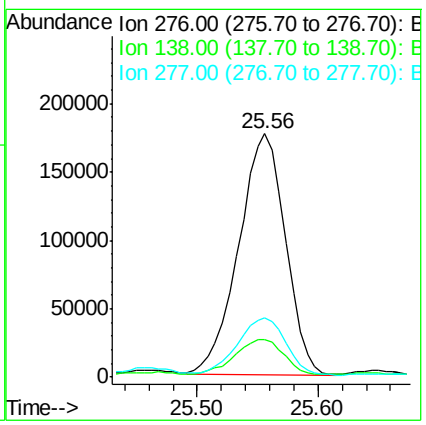


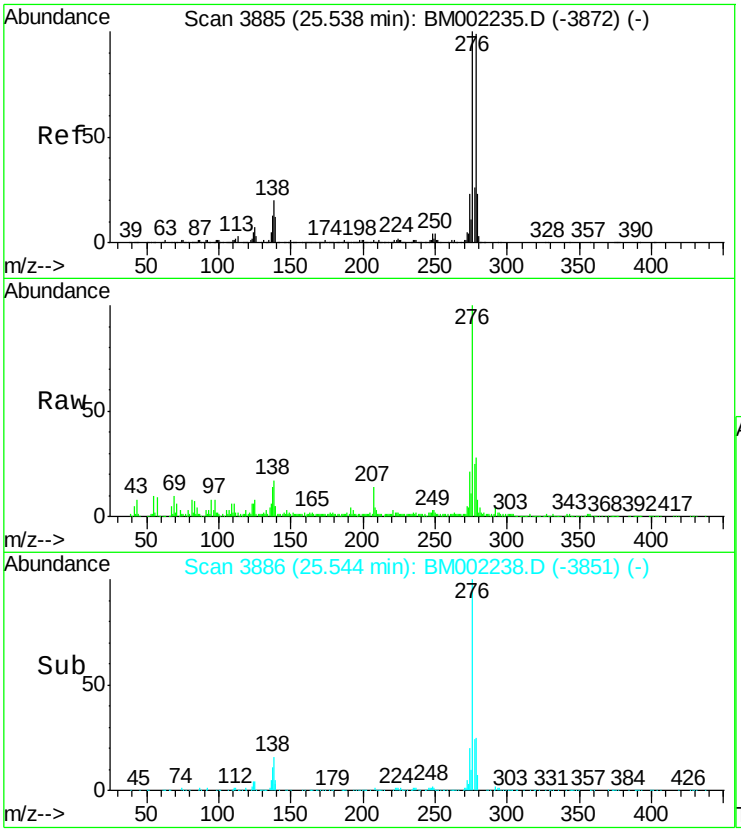


#92
Indeno(1,2,3-cd)pyrene
Concen: 31.26 ng/ul
RT: 25.56 min Scan# 3888
Delta R.T. 0.02 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:276 Resp: 475157

Ion	Ratio	Lower	Upper
276	100		
138	15.6	15.4	23.0
277	24.4	20.2	30.2



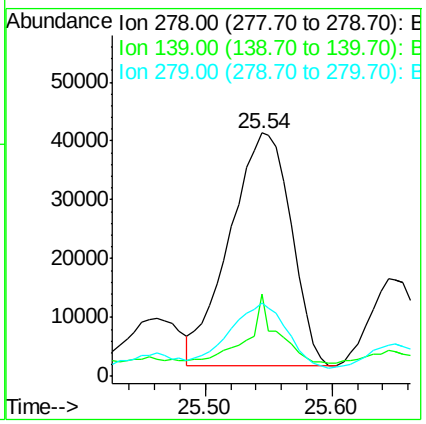


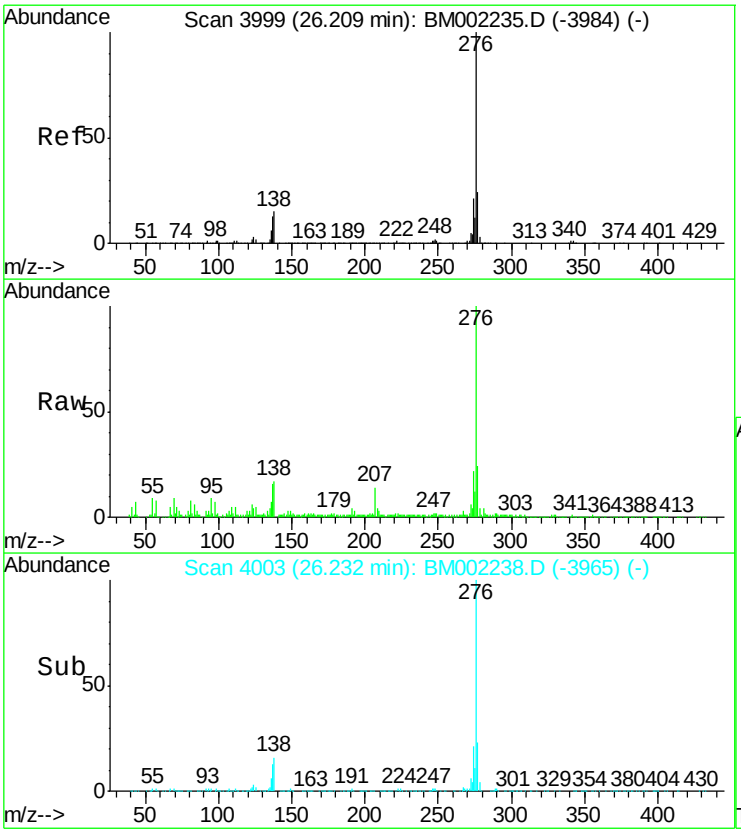
#93
Dibenzo(a,h)anthracene
Concen: 10.29 ng/ul
RT: 25.54 min Scan# 3886
Delta R.T. 0.01 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 133412

Ion	Ratio	Lower	Upper
278	100		
139	34.0	10.4	15.6#
279	29.9	17.9	26.9#





#94
Benzo(g,h,i)perylene
Concen: 34.41 ng/ul
RT: 26.23 min Scan# 4003
Delta R.T. 0.02 min
Lab File: BM002238.D
Acq: 05 Aug 2015 18:32

Tgt Ion:276 Resp: 435523

Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.5	18.7
277	24.4	19.4	29.0