

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
 Data File : BM002236.D
 Acq On : 05 Aug 2015 17:18
 Operator : TP/UM
 Sample : G3073-06RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 06 01:46:16 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	7.51	152	86294	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	400990	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	270470	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.95	188	617385	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	607291	20.00	ng/ul	0.01
86) Perylene-d12	23.36	264	473611	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.95	96	1965	1.29	ng/uL	0.00
5) Phenol-d5	6.72	99	49302	7.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	28919	8.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	46391	8.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	45198	8.49	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	23265	8.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	26706	7.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	39757	6.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	32156	4.43	ng/ul	0.01
44) Dimethylphthalate-d6	13.60	166	163642	8.32	ng/ul	0.00
47) Acenaphthylene-d8	13.88	160	193429	7.78	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	12736	5.00	ng/ul	0.02
58) Fluorene-d10	15.19	176	143139	8.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	16060	4.51	ng/ul	0.00
71) Anthracene-d10	17.05	188	218117	7.94	ng/ul	0.00
79) Pyrene-d10	19.36	212	239565	8.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	195891	8.52	ng/ul	0.01

Target Compounds

					Ovalue
4) Benzaldehyde	6.65	77	4608	1.44 ng/ul#	1
17) Hexachloroethane	8.61	117	6604	3.12 ng/ul#	1
28) Naphthalene	10.35	128	39391	2.08 ng/ul	98
34) 2-Methylnaphthalene	11.99	142	18787	1.29 ng/ul	96
35) 1-Methylnaphthalene	11.99	142	18787	1.35 ng/ul	94
45) Dimethylphthalate	13.65	163	73256	3.73 ng/ul	98
50) Acenaphthene	14.26	153	103596	6.25 ng/ul	98
54) Dibenzofuran	14.60	168	83886	3.49 ng/ul	98
59) Fluorene	15.25	166	108125	5.48 ng/ul	99
70) Phenanthrene	17.00	178	1841776	58.10 ng/ul	100
72) Anthracene	17.09	178	376178	11.61 ng/ul	99
75) Carbazole	17.37	167	198403	7.35 ng/ul	99
77) Fluoranthene	19.03	202	2570422	74.09 ng/ul	99
80) Pyrene	19.40	202	2160723	57.89 ng/ul	99
83) Benzo(a)anthracene	21.15	228	1000570	29.41 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.06	149	95477	4.99 ng/ul	96
85) Chrysene	21.20	228	868836	27.74 ng/ul	96
88) Benzo(b)fluoranthene	22.70	252	1061361	39.77 ng/ul#	95
89) Benzo(k)fluoranthene	22.70	252	245814	9.51 ng/ul#	95
91) Benzo(a)pyrene	23.26	252	710155	27.86 ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.55	276	438354	15.26 ng/ul	95
93) Dibenz(a,h)anthracene	25.54	278	114380	4.67 ng/ul#	85
94) Benzo(g,h,i)perylene	26.23	276	369021	15.43 ng/ul	98

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Quant Time: Aug 06 01:46:16 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 01:44:45 2015
Response via : Initial Calibration

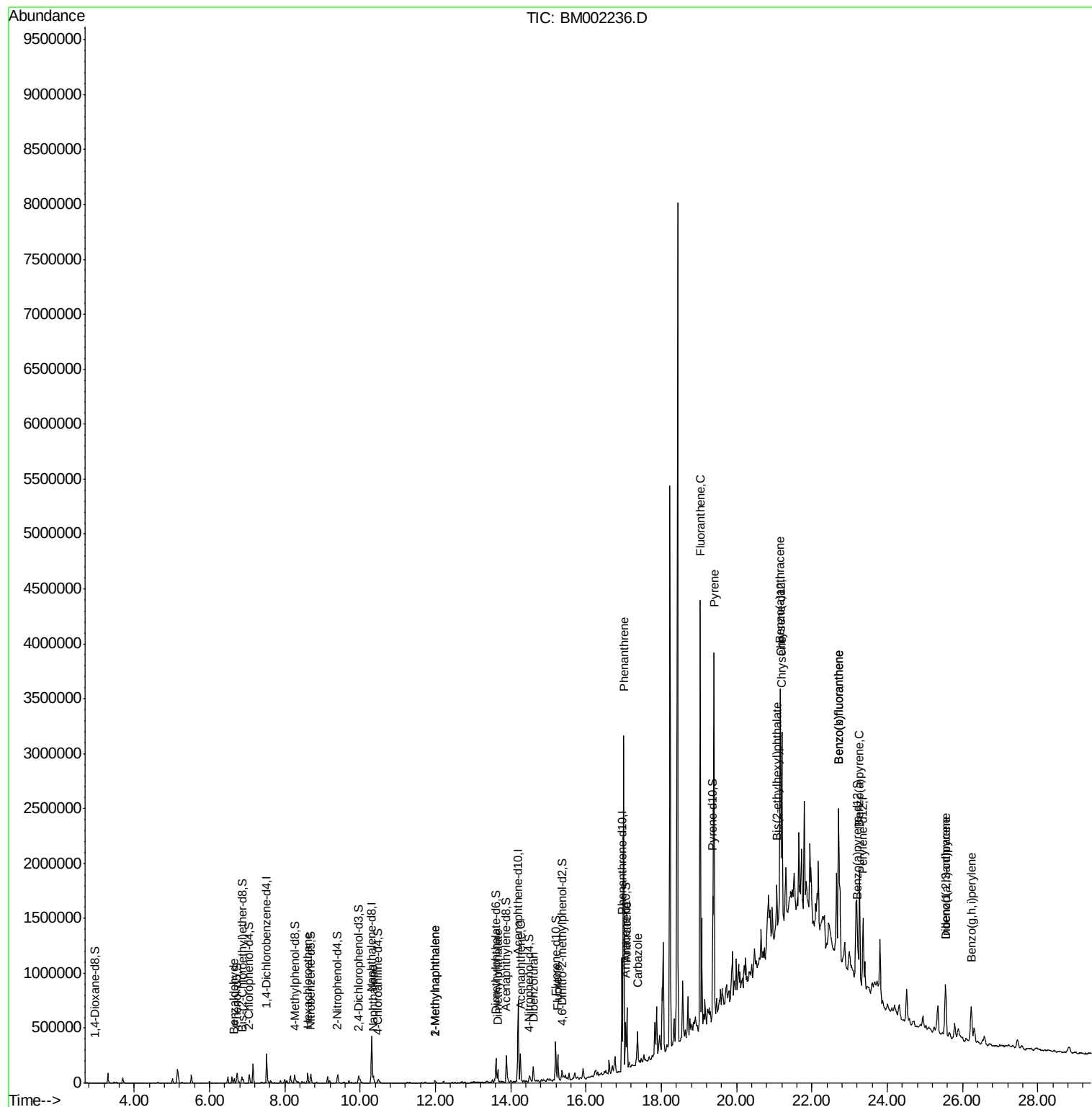
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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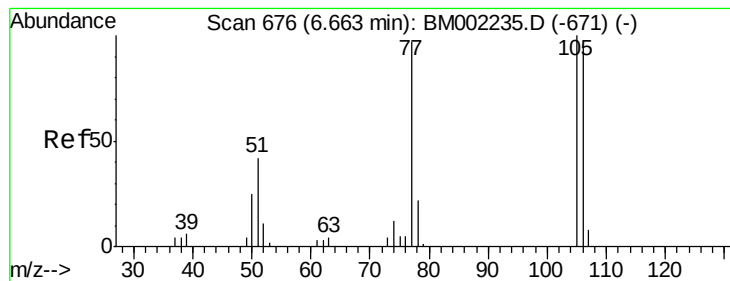
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 06 01:46:16 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.44 ng/ul

RT: 6.65 min Scan# 674

Delta R.T. -0.01 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

Instrument :

BNA_M

ClientSampleId :

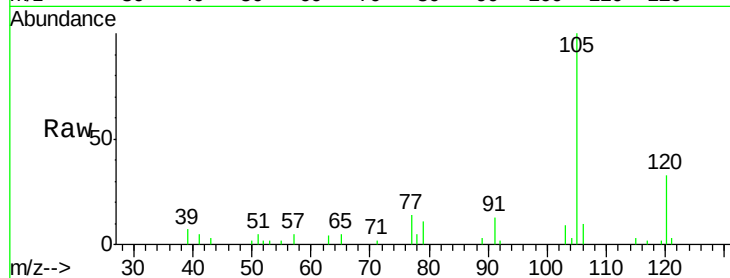
Tot Ion: 77 Resp: 4608

Ion Ratio Lower Upper

77 100

105 712.5 80.0 120.0#

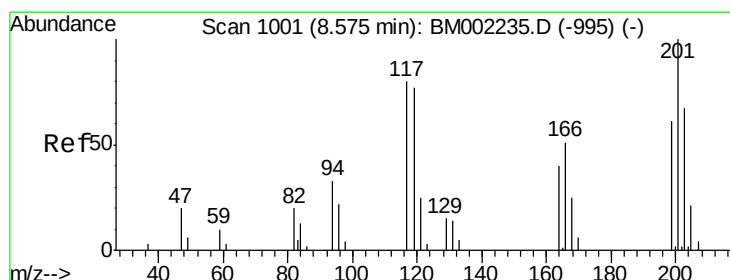
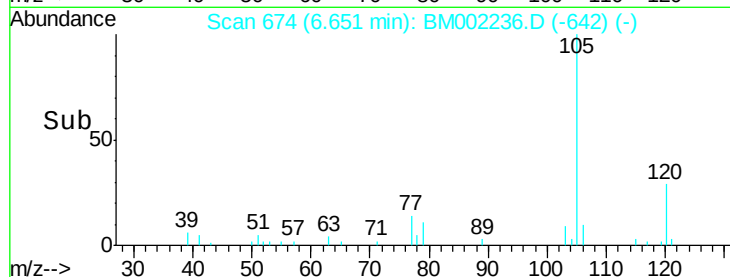
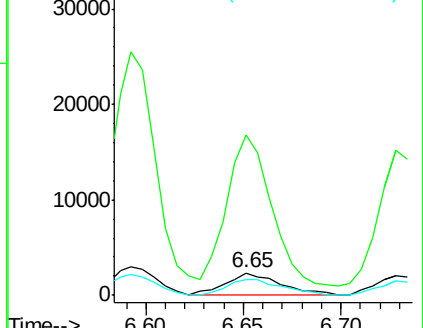
106 68.1 76.9 115.3#



Abundance Ion 77.00 (76.70 to 77.70): BM002235.D (-671) (-)

Ion 105.00 (104.70 to 105.70): BM002235.D (-671) (-)

Ion 106.00 (105.70 to 106.70): BM002235.D (-671) (-)



#17

Hexachloroethane

Concen: 3.12 ng/ul

RT: 8.61 min Scan# 1007

Delta R.T. 0.04 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

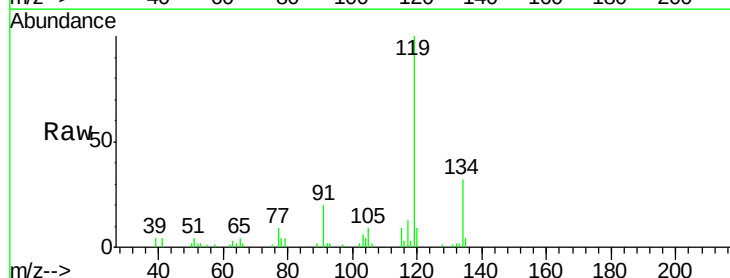
Tgt Ion: 117 Resp: 6604

Ion Ratio Lower Upper

117 100

201 0.0 97.8 146.6#

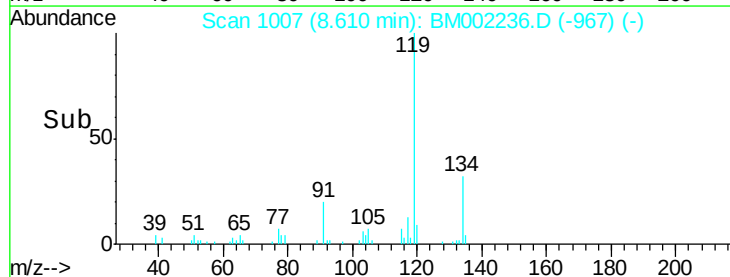
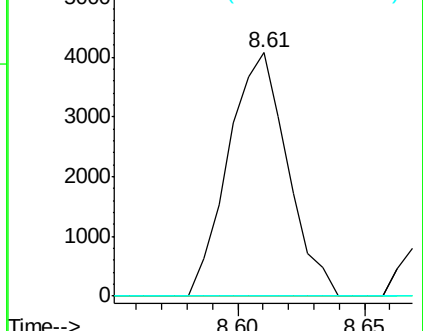
199 0.0 61.8 92.6#

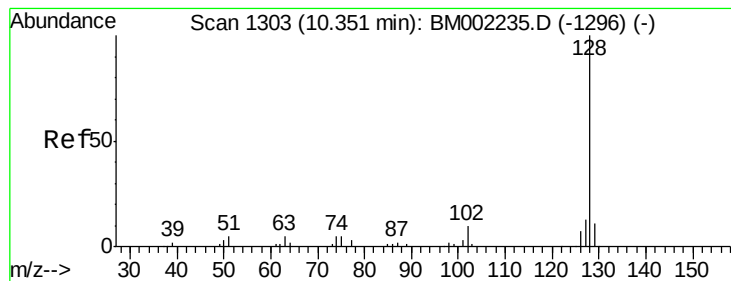


Abundance Ion 117.00 (116.70 to 117.70): BM002235.D (-995) (-)

Ion 201.00 (200.70 to 201.70): BM002235.D (-995) (-)

Ion 199.00 (198.70 to 199.70): BM002235.D (-995) (-)





#28

Naphthalene

Concen: 2.08 ng/ul

RT: 10.35 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

Instrument :

BNA_M

ClientSampleId :

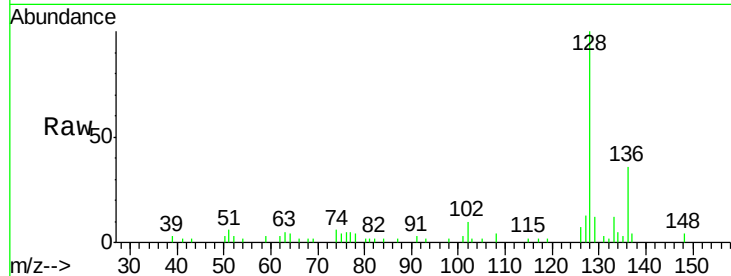
Tot Ion:128 Resp: 39391

Ion Ratio Lower Upper

128 100

129 11.5 8.2 12.2

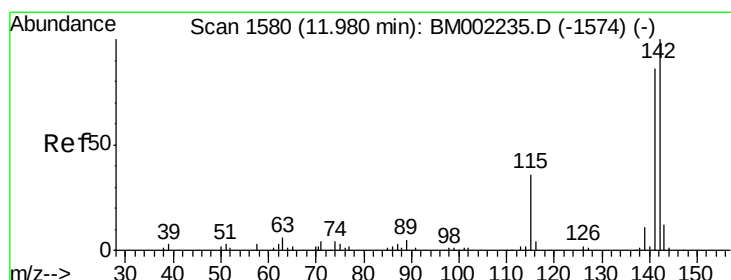
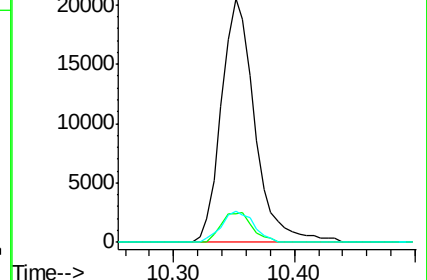
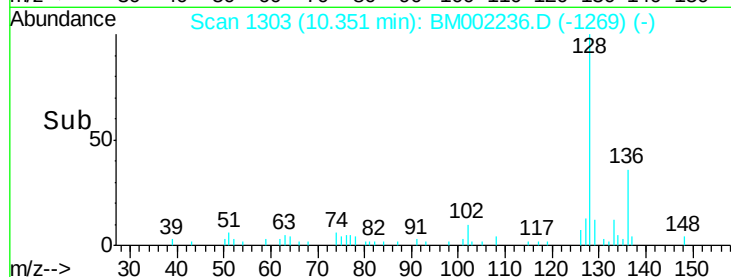
127 12.8 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.29 ng/ul

RT: 11.99 min Scan# 1581

Delta R.T. 0.01 min

Lab File: BM002236.D

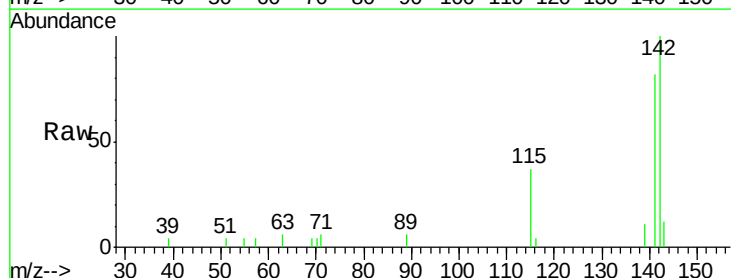
Acq: 05 Aug 2015 17:18

Tgt Ion:142 Resp: 18787

Ion Ratio Lower Upper

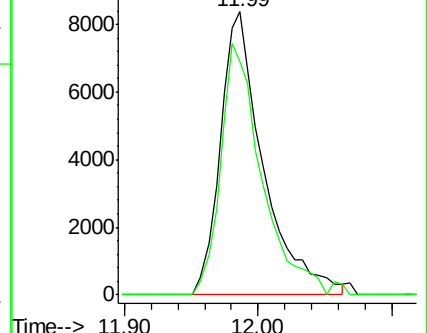
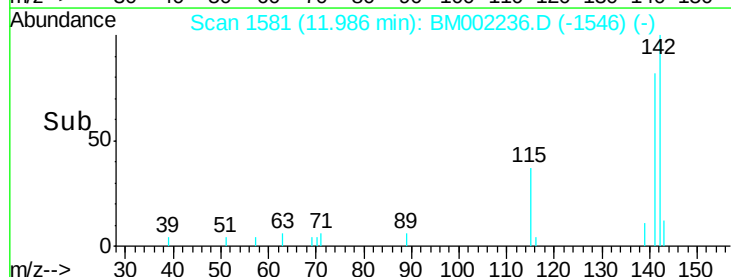
142 100

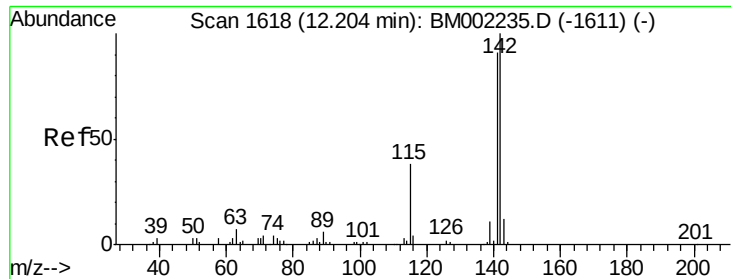
141 82.4 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

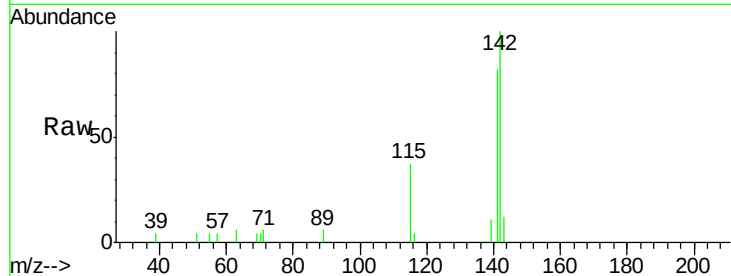




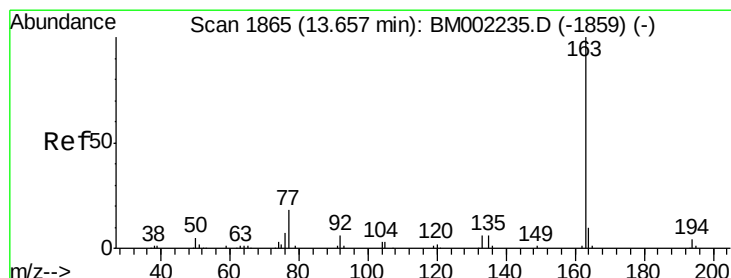
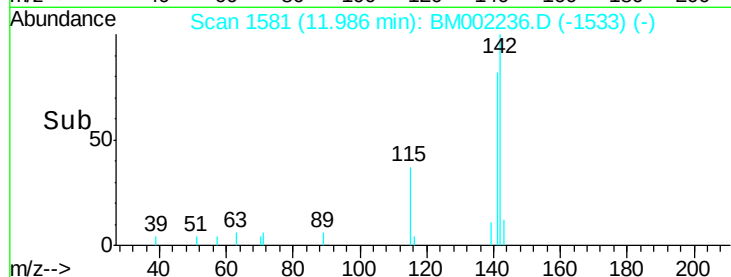
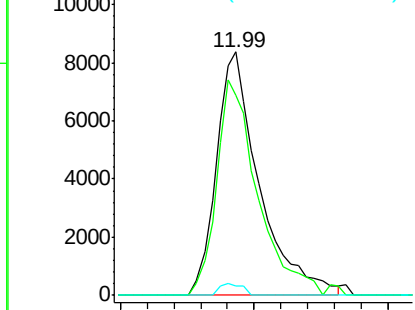
#35
 1-Methylnaphthalene
 Concen: 1.35 ng/ul
 RT: 11.99 min Scan# 1581
 Delta R.T. -0.22 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:142 Resp: 18787
 Ion Ratio Lower Upper
 142 100
 141 82.4 71.0 106.4
 116 3.8 3.3 4.9

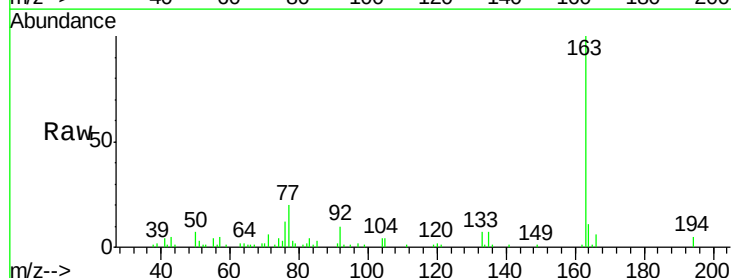


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

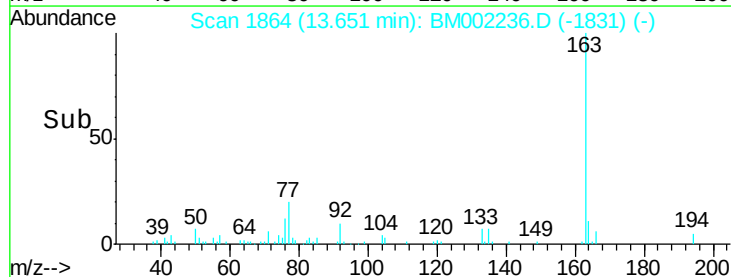
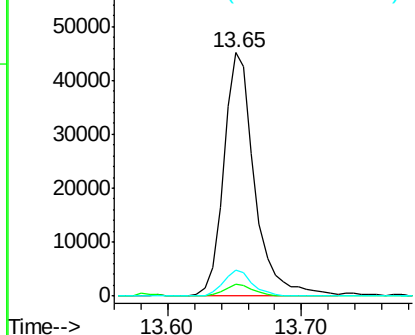


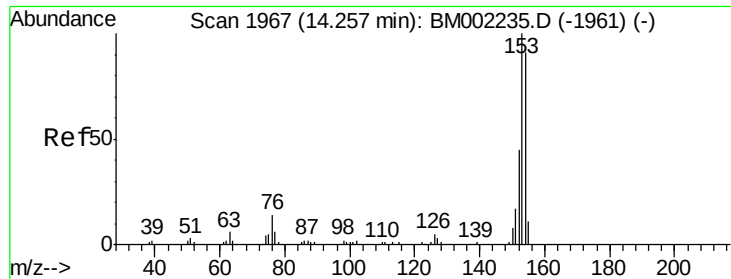
#45
 Dimethylphthalate
 Concen: 3.73 ng/ul
 RT: 13.65 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Tgt Ion:163 Resp: 73256
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.4 5.2
 164 10.6 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 6.25 ng/ul

RT: 14.26 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

Instrument :

BNA_M

ClientSampleId :

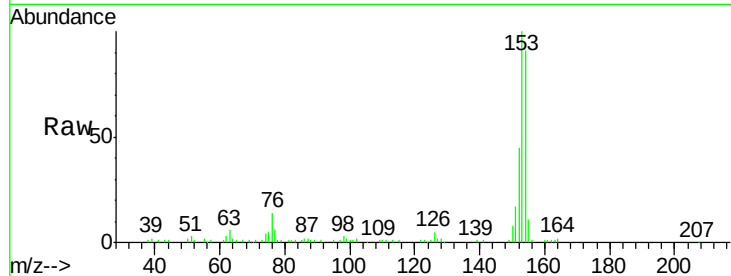
Tot Ion:153 Resp: 103596

Ion Ratio Lower Upper

153 100

152 44.8 36.6 54.8

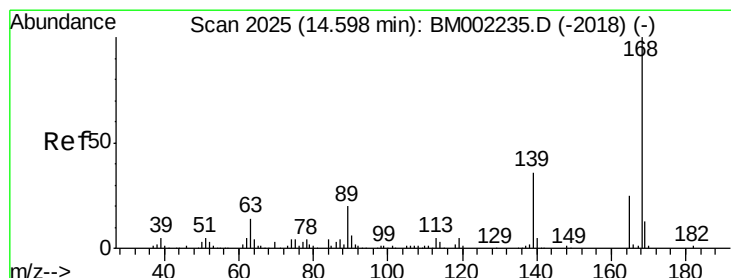
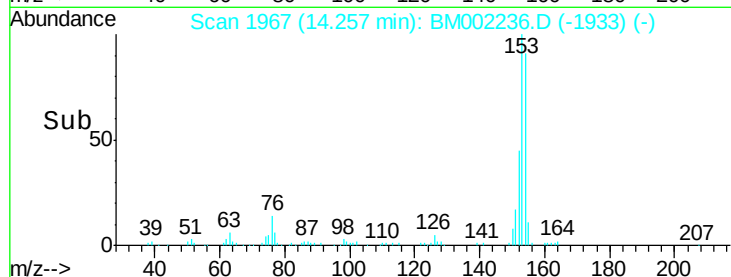
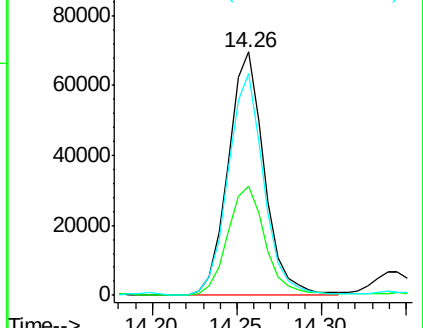
154 91.2 71.7 107.5



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 3.49 ng/ul

RT: 14.60 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BM002236.D

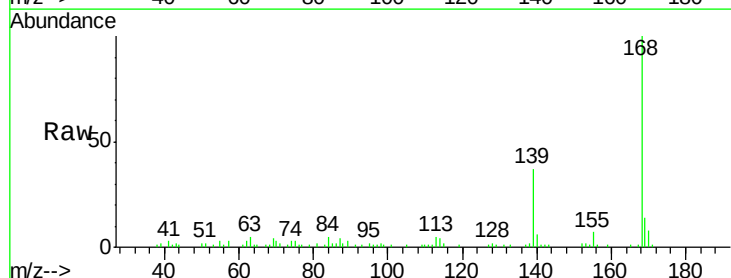
Acq: 05 Aug 2015 17:18

Tgt Ion:168 Resp: 83886

Ion Ratio Lower Upper

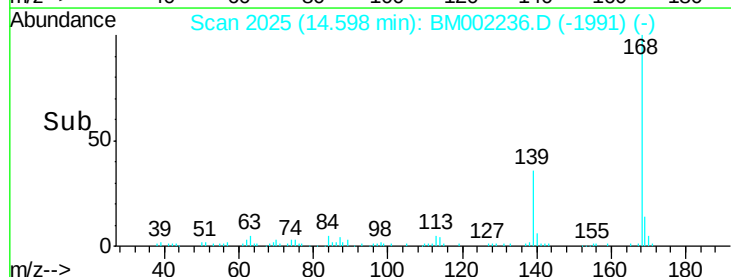
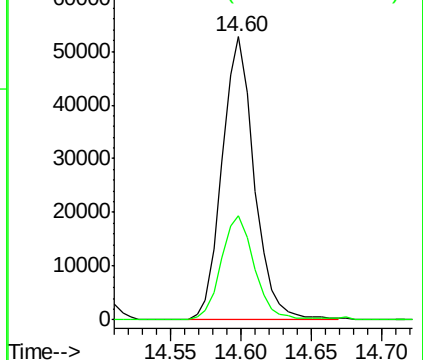
168 100

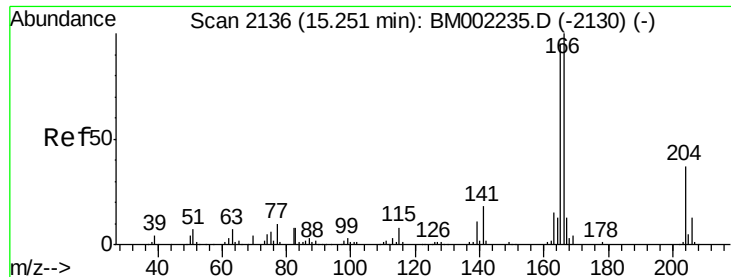
139 36.8 28.6 42.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 5.48 ng/ul

RT: 15.25 min Scan# 2136

Delta R.T. 0.00 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

Instrument :

BNA_M

ClientSampleId :

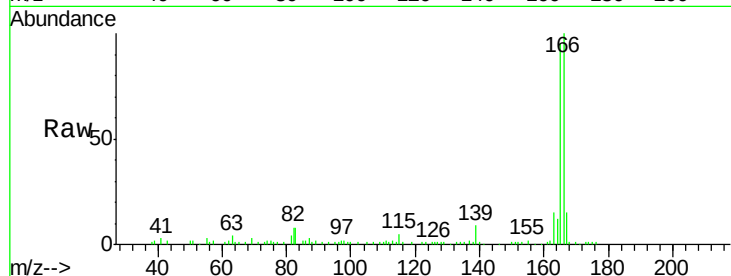
Tot Ion:166 Resp: 108125

Ion Ratio Lower Upper

166 100

165 94.8 76.0 114.0

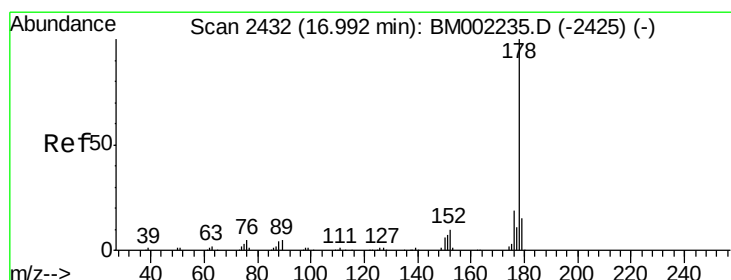
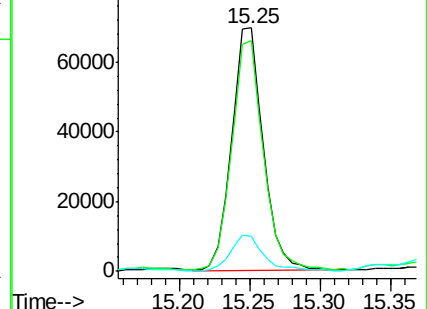
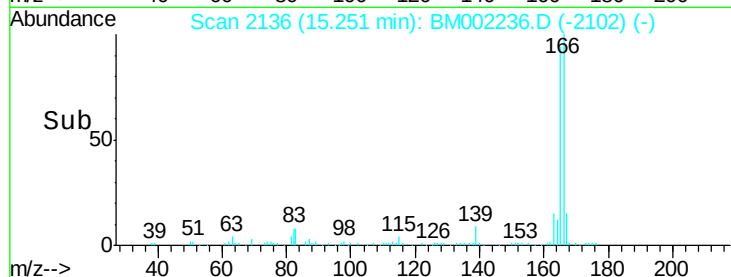
167 14.6 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 58.10 ng/ul

RT: 17.00 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

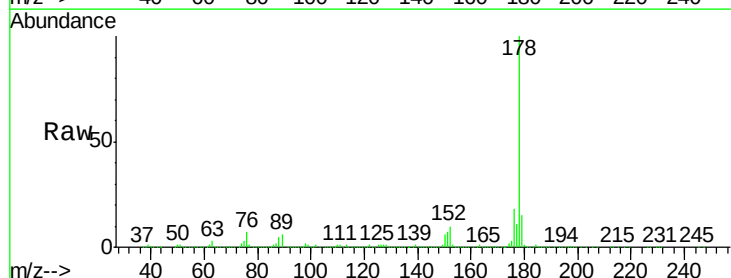
Tgt Ion:178 Resp: 1841776

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

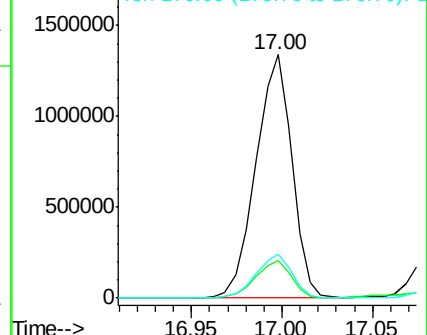
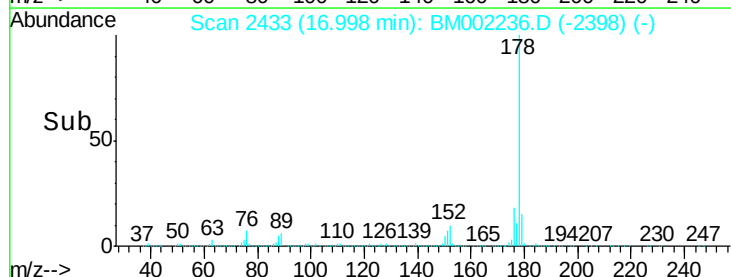
176 18.1 14.6 21.8

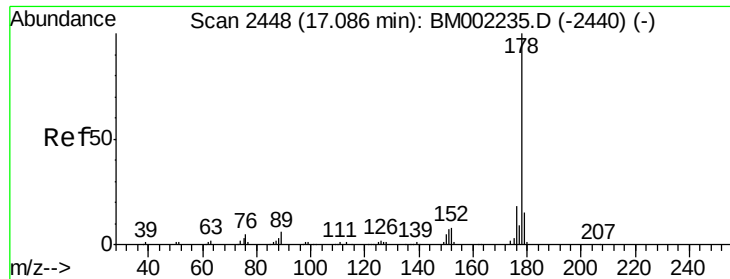


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

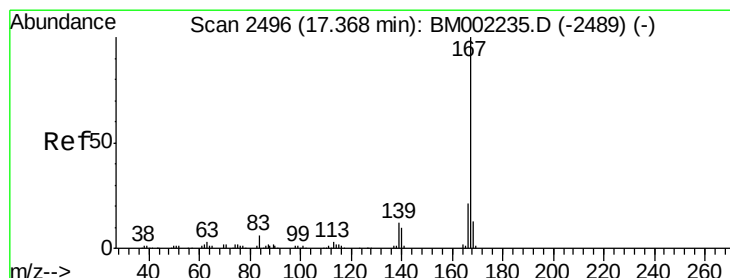
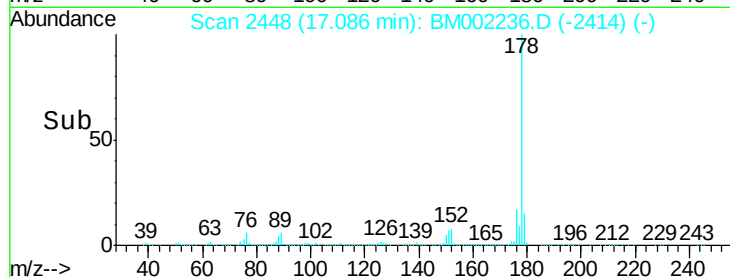
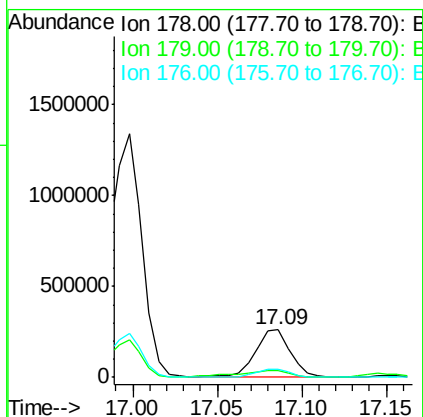
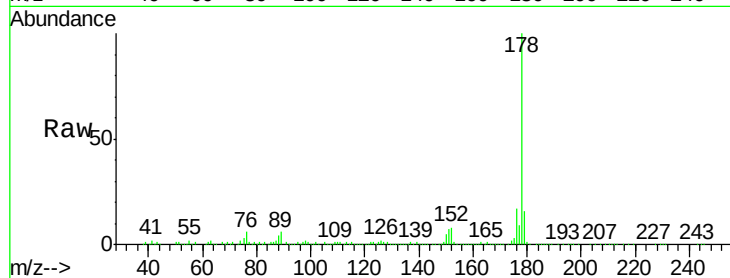




#72
 Anthracene
 Concen: 11.61 ng/ul
 RT: 17.09 min Scan# 2448
 Delta R.T. 0.00 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

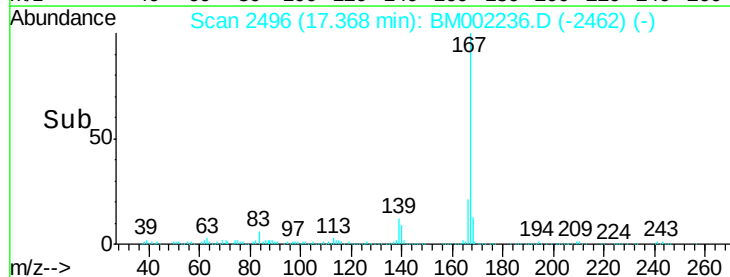
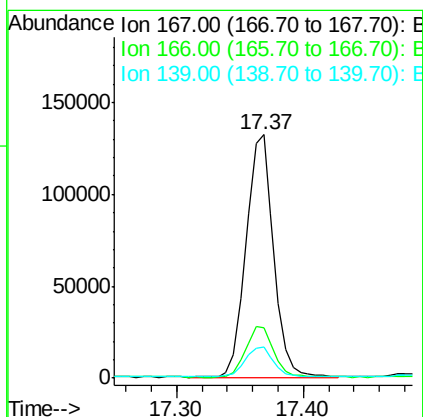
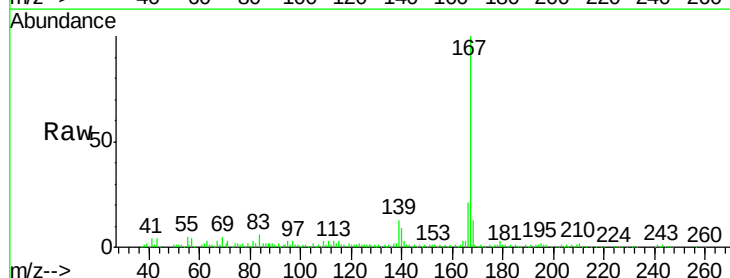
Instrument :
 BNA_M
 ClientSampleId :

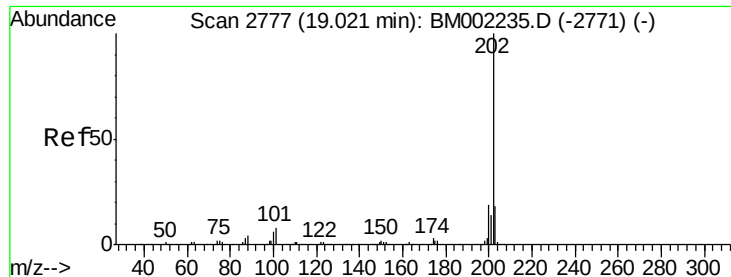
Tot Ion:178 Resp: 376178
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.2 18.2
 176 17.5 13.8 20.6



#75
 Carbazole
 Concen: 7.35 ng/ul
 RT: 17.37 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Tgt Ion:167 Resp: 198403
 Ion Ratio Lower Upper
 167 100
 166 20.9 16.7 25.1
 139 12.6 9.4 14.2

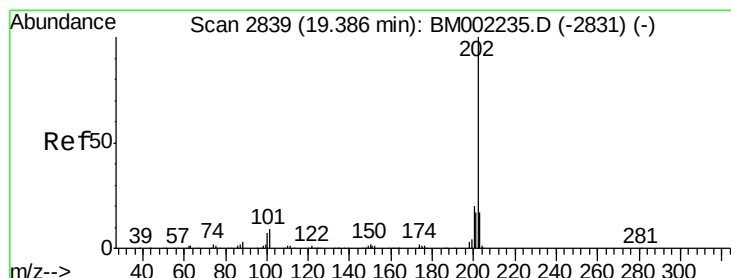
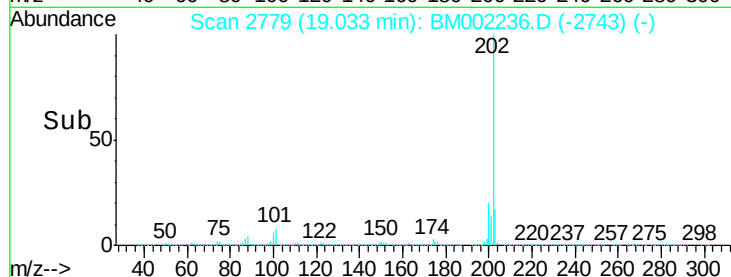
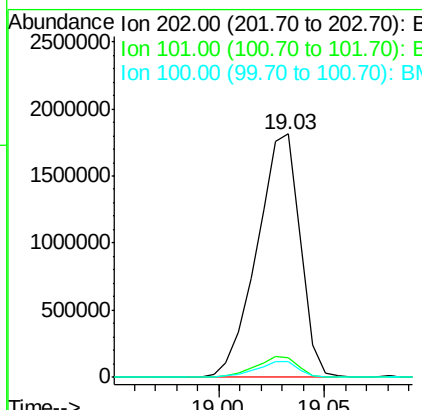
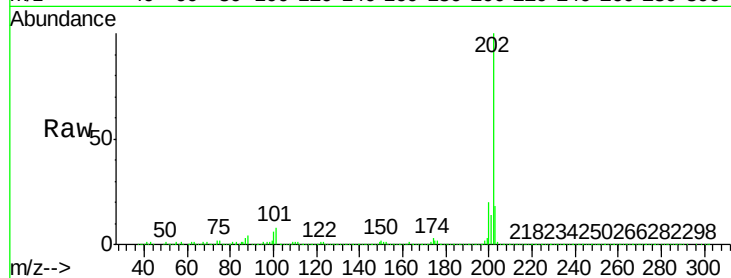




#77
 Fluoranthene
 Concen: 74.09 ng/ul
 RT: 19.03 min Scan# 2779
 Delta R.T. 0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

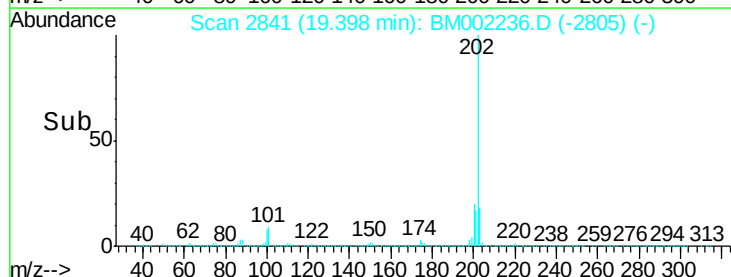
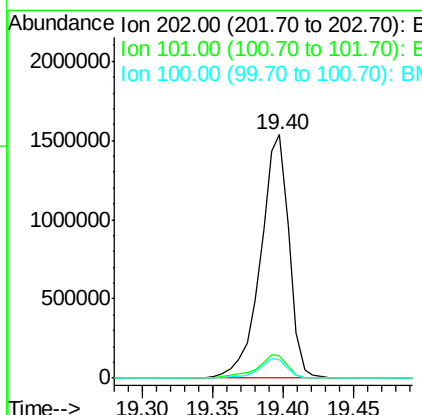
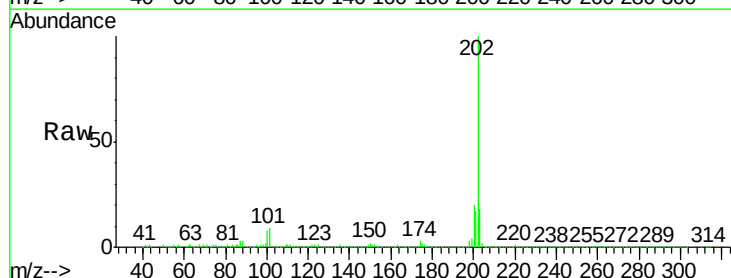
Instrument :
 BNA_M
 ClientSampled :

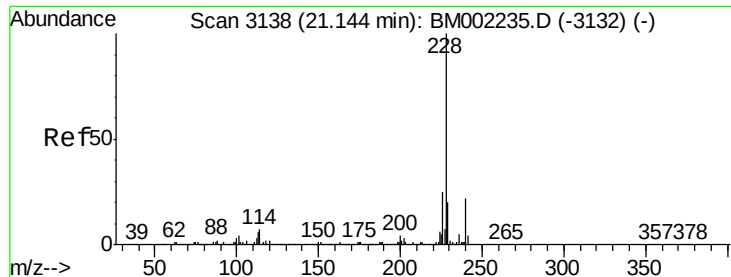
Tot Ion:202 Resp: 2570422
 Ion Ratio Lower Upper
 202 100
 101 8.1 6.2 9.2
 100 6.2 4.8 7.2



#80
 Pyrene
 Concen: 57.89 ng/ul
 RT: 19.40 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Tgt Ion:202 Resp: 2160723
 Ion Ratio Lower Upper
 202 100
 101 9.3 7.0 10.6
 100 7.6 5.8 8.8



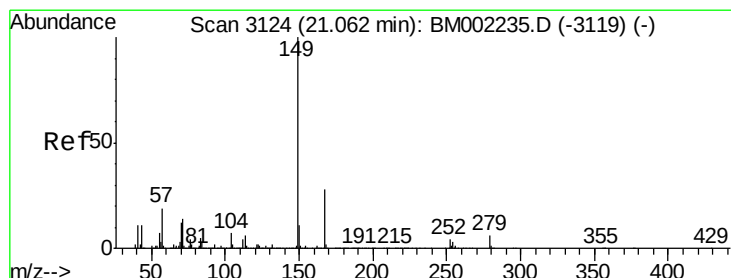
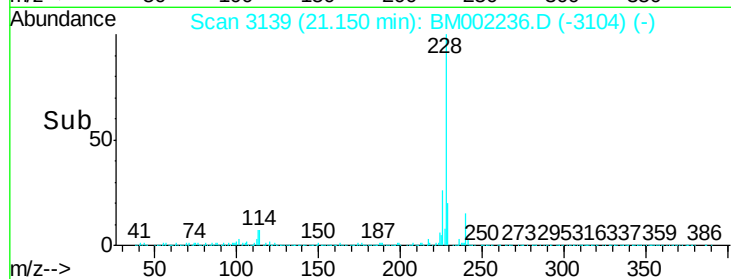
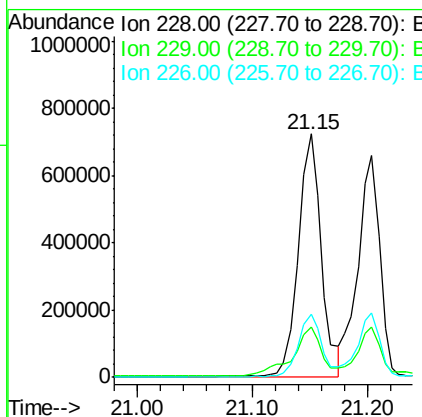
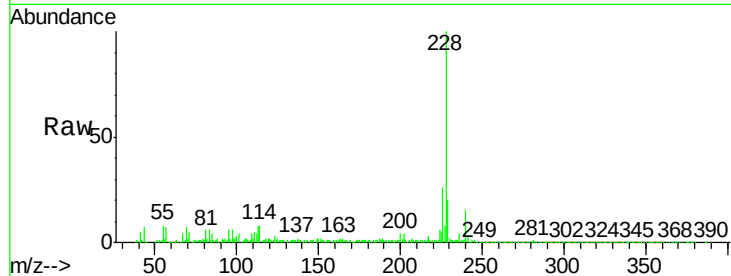


#83
 Benzo(a)anthracene
 Concen: 29.41 ng/ul
 RT: 21.15 min Scan# 3139
 Delta R.T. 0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:228 Resp: 1000570

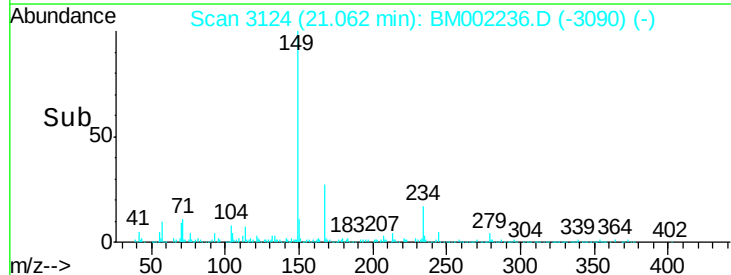
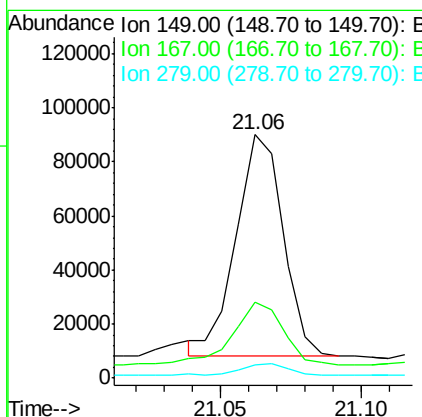
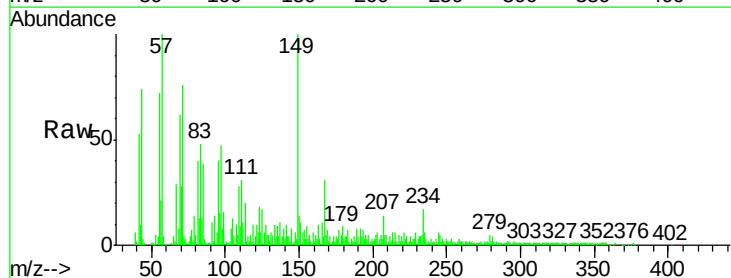
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.9	23.9
226	26.0	20.6	31.0

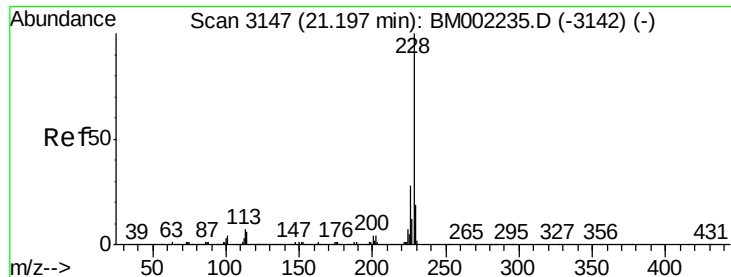


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.99 ng/ul
 RT: 21.06 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Tgt Ion:149 Resp: 95477

Ion	Ratio	Lower	Upper
149	100		
167	31.2	23.0	34.4
279	5.2	4.0	6.0

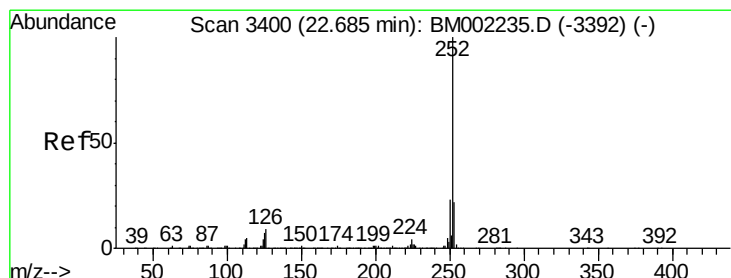
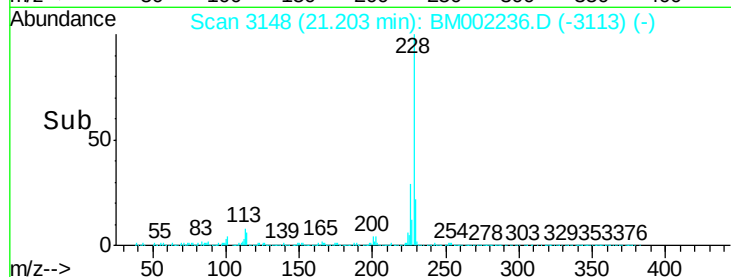
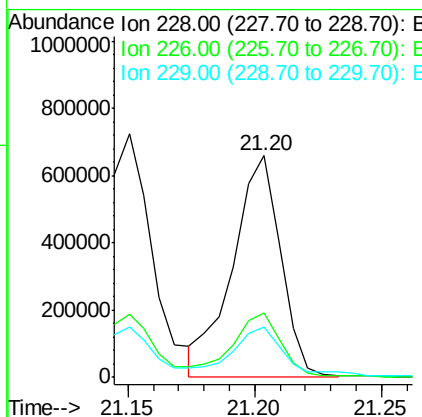
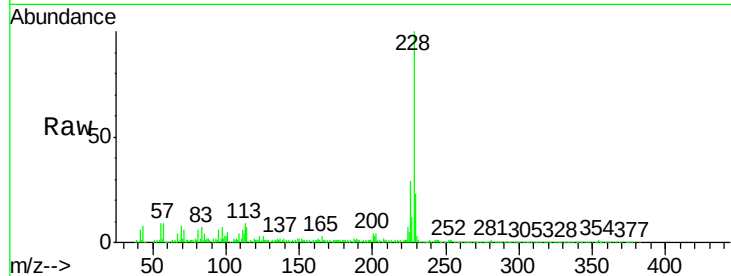




#85
 Chrysene
 Concen: 27.74 ng/ul
 RT: 21.20 min Scan# 3148
 Delta R.T. 0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

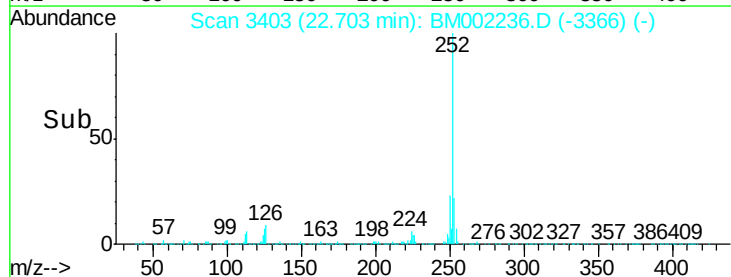
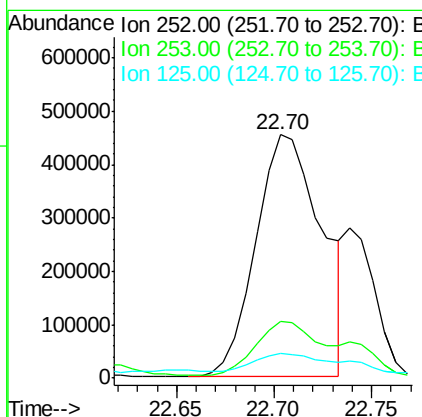
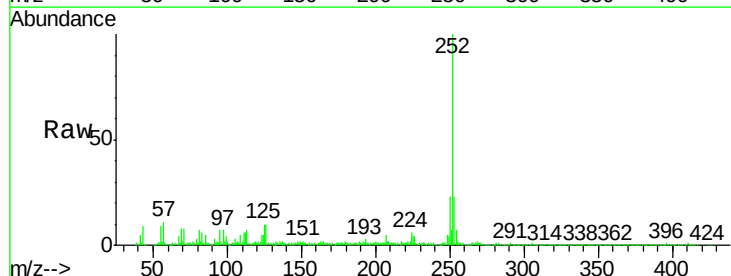
Instrument :
 BNA_M
 ClientSampleId :

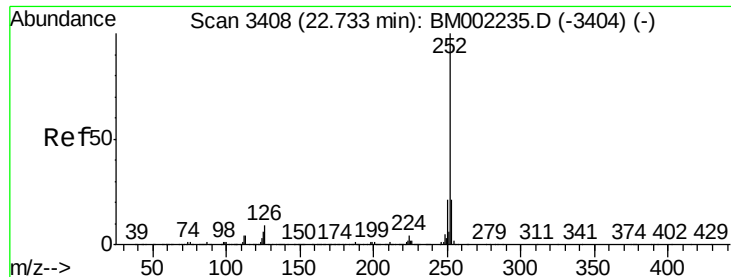
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.2	33.4
229	22.5	15.5	23.3



#88
 Benzo(b)fluoranthene
 Concen: 39.77 ng/ul
 RT: 22.70 min Scan# 3403
 Delta R.T. 0.02 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	10.3	5.4	8.2

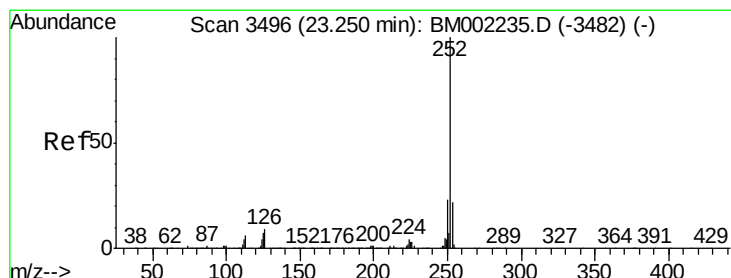
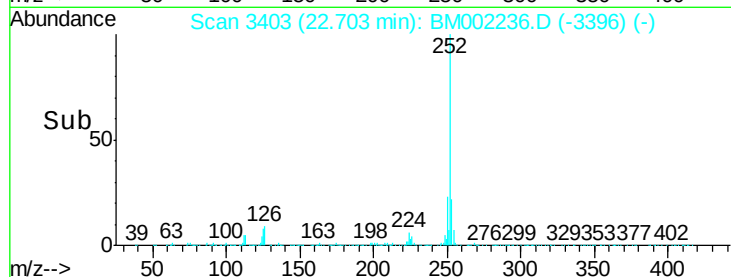
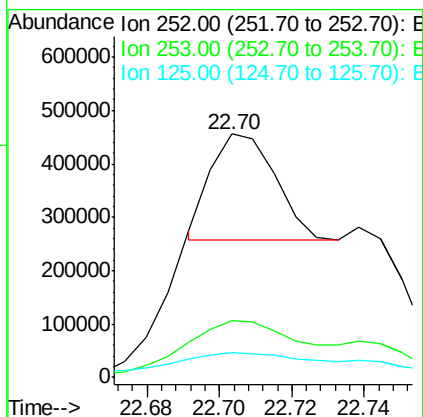
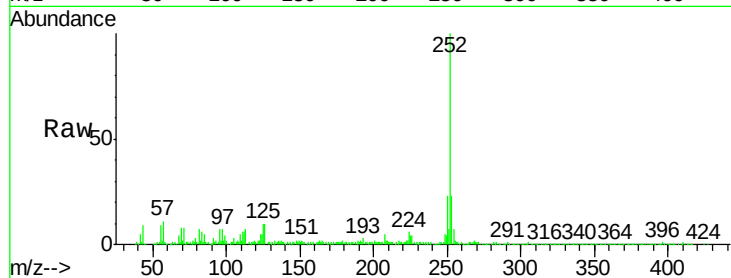




#89
Benzo(k)fluoranthene
Concen: 9.51 ng/ul
RT: 22.70 min Scan# 3403
Delta R.T. -0.03 min
Lab File: BM002236.D
Acq: 05 Aug 2015 17:18

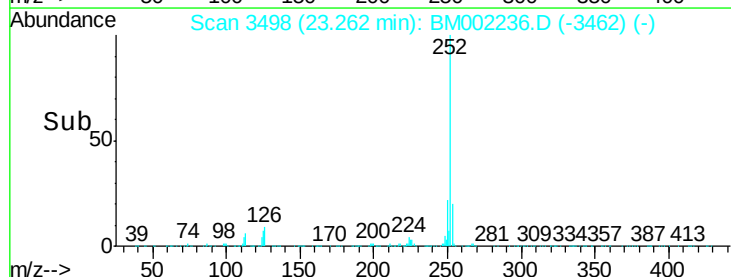
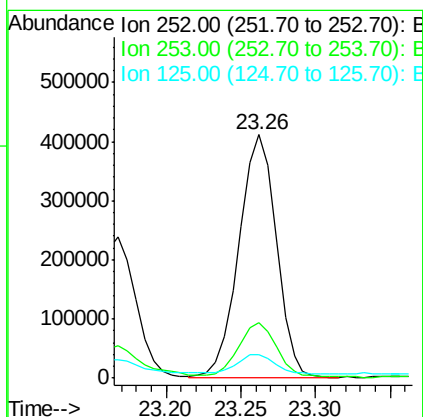
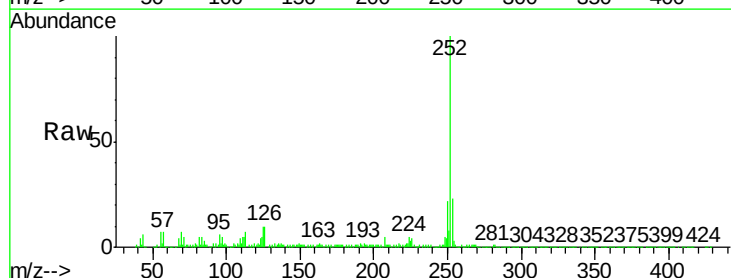
Instrument :
BNA_M
ClientSampleId :

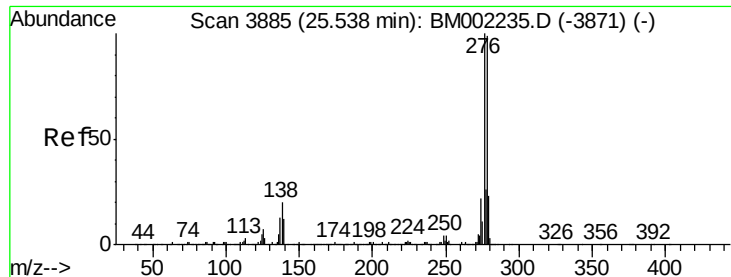
Tot Ion:252 Resp: 245814
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 10.3 5.6 8.4#



#91
Benzo(a)pyrene
Concen: 27.86 ng/ul
RT: 23.26 min Scan# 3498
Delta R.T. 0.01 min
Lab File: BM002236.D
Acq: 05 Aug 2015 17:18

Tgt Ion:252 Resp: 710155
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.6 6.1 9.1#

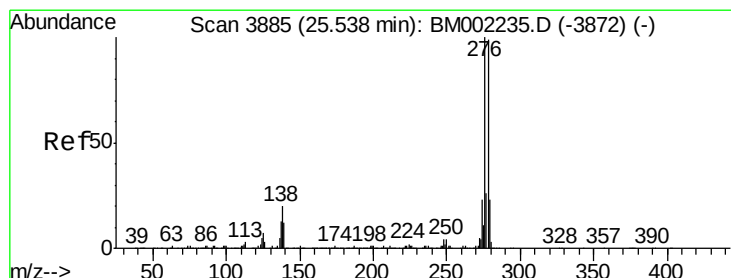
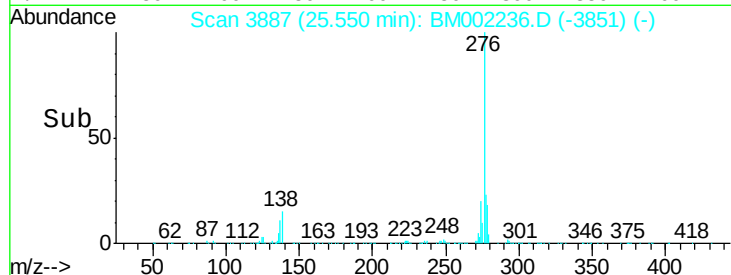
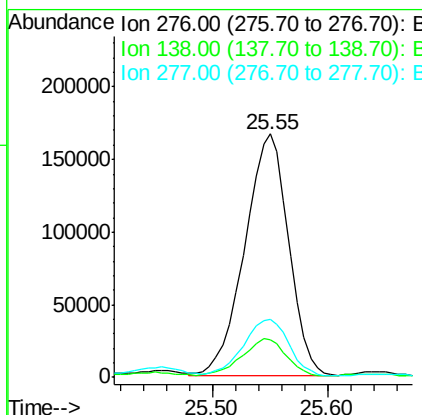
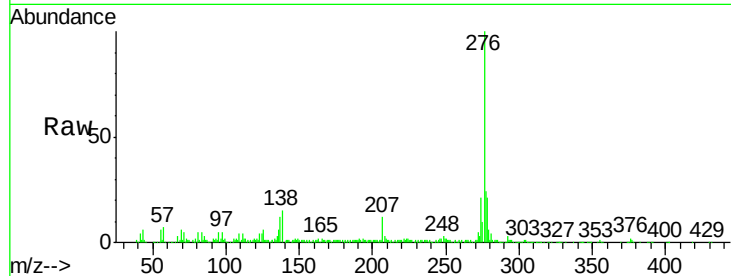




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 15.26 ng/ul
 RT: 25.55 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

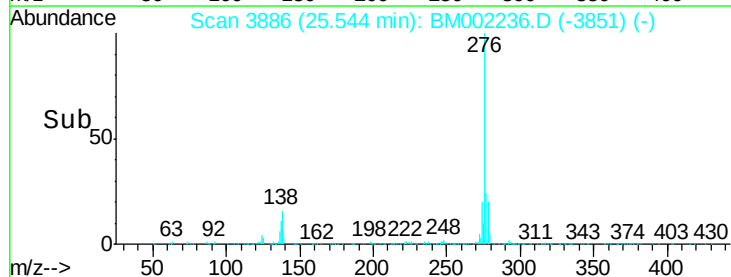
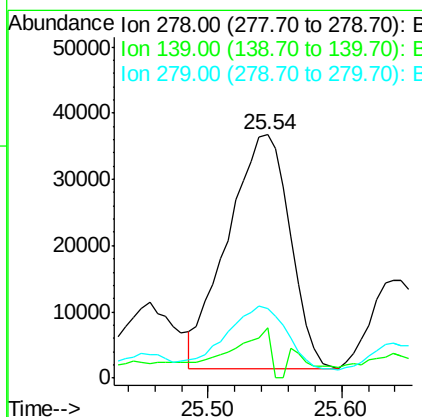
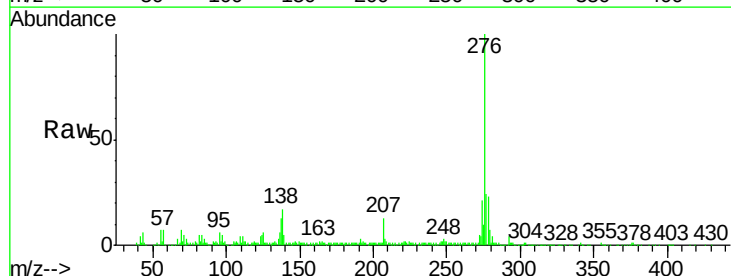
Instrument :
 BNA_M
 ClientSampled :

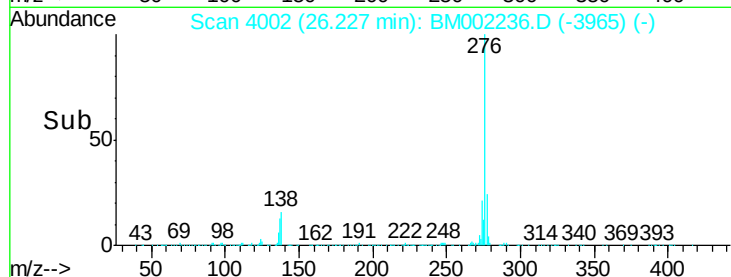
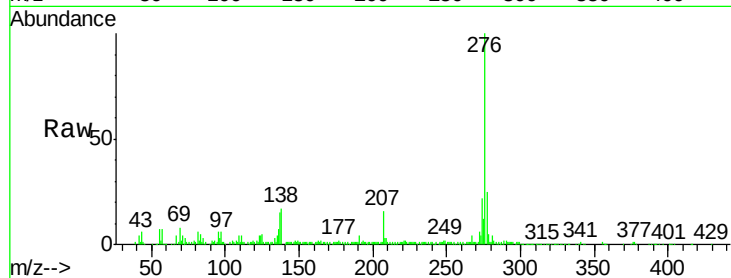
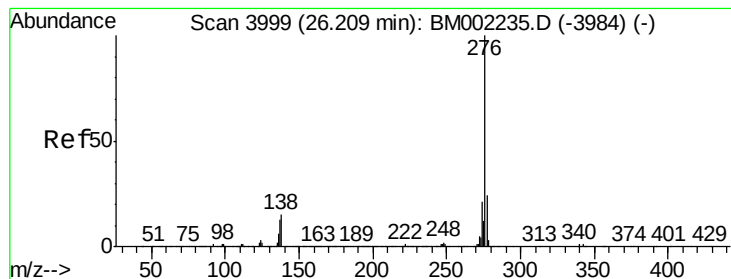
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	15.4	23.0
277	23.7	20.2	30.2



#93
 Dibenzo(a,h)anthracene
 Concen: 4.67 ng/ul
 RT: 25.54 min Scan# 3886
 Delta R.T. 0.01 min
 Lab File: BM002236.D
 Acq: 05 Aug 2015 17:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	10.4	15.6#
279	28.5	17.9	26.9#





#94

Benzo(a,h,i)perylene

Concen: 15.43 ng/ul

RT: 26.23 min Scan# 4002

Delta R.T. 0.02 min

Lab File: BM002236.D

Acq: 05 Aug 2015 17:18

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 369021

Ion Ratio Lower Upper

276 100

138 16.7 12.5 18.7

277 24.9 19.4 29.0

