

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002189.D
 Acq On : 03 Aug 2015 03:20
 Operator : TP
 Sample : G3095-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M4

Quant Time: Aug 03 04:33:18 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	115600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	481536	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	284027	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.99	188	612408	20.00	ng/ul	0.01
78) Chrysene-d12	21.20	240	545219	20.00	ng/ul	0.02
86) Perylene-d12	23.40	264	494227	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2674	1.20	ng/uL	0.00
5) Phenol-d5	6.75	99	83489	10.10	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.90	67	43491	9.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	70868	10.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	69612	10.60	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	33860	9.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	36702	9.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	78069	10.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	52564	6.53	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	222948	10.72	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	282669	10.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	27428	7.90	ng/ul	0.02
58) Fluorene-d10	15.23	176	201645	11.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	1458	0.39	ng/ul	0.02
71) Anthracene-d10	17.09	188	298841	10.93	ng/ul	0.01
79) Pyrene-d10	19.40	212	292180	12.73	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.26	264	254074	10.60	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.40	128	96854	4.23	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	34450	2.07	ng/ul	100
35) 1-Methylnaphthalene	12.24	142	32936	2.06	ng/ul	98
45) Dimethylphthalate	13.69	163	67054	3.23	ng/ul	99
48) Acenaphthylene	13.95	152	335096	12.48	ng/ul	100
50) Acenaphthene	14.29	153	170472	9.69	ng/ul	99
54) Dibenzofuran	14.63	168	112611	4.46	ng/ul	96
59) Fluorene	15.29	166	206449	9.90	ng/ul	99
70) Phenanthrene	17.04	178	3886364	122.52	ng/ul	99
72) Anthracene	17.12	178	962738	29.69	ng/ul	99
75) Carbazole	17.40	167	246725	8.91	ng/ul	98
77) Fluoranthene	19.07	202	6584949	179.79	ng/ul#	95
80) Pyrene	19.44	202	6602878	222.56	ng/ul#	95
83) Benzo(a)anthracene	21.19	228	3212922	106.30	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.11	149	3230071	186.19	ng/ul	99
85) Chrysene	21.24	228	2999038	106.06	ng/ul	96
88) Benzo(b)fluoranthene	22.76	252	3490763	125.70	ng/ul	97
89) Benzo(k)fluoranthene	22.76	252	2078600	77.57	ng/ul	98
91) Benzo(a)pyrene	23.32	252	2564640	95.67	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.64	276	1631420	52.81	ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	456045	17.25	ng/ul#	94
94) Benzo(g,h,i)perylene	26.33	276	1489764	57.53	ng/ul	97

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002189.D
Acq On : 03 Aug 2015 03:20
Operator : TP
Sample : G3095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M4

Quant Time: Aug 03 04:33:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

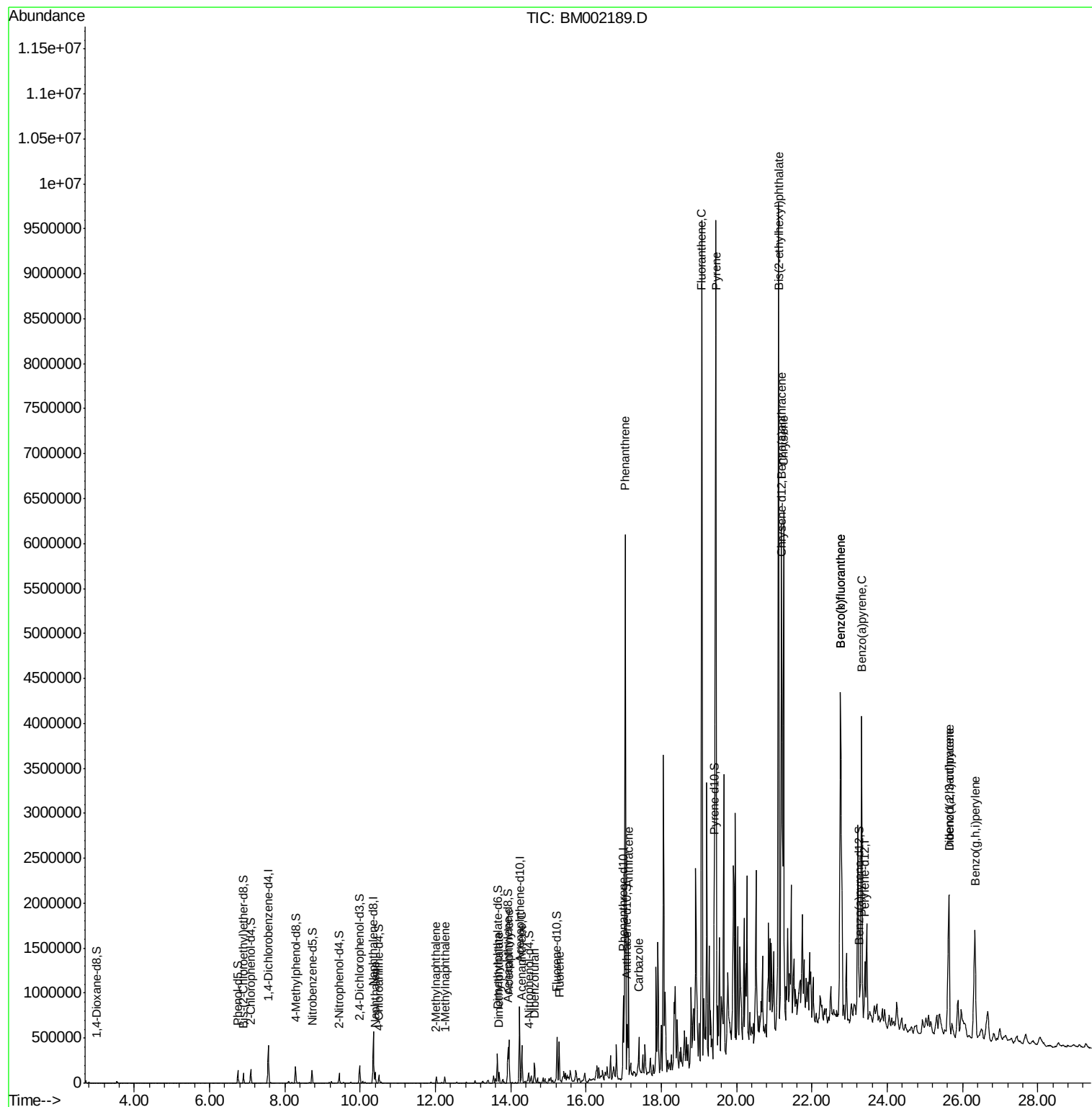
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

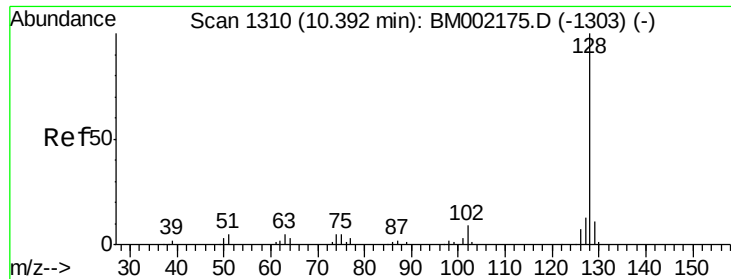
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM002189\
Data File : BM002189.D
Acq On : 03 Aug 2015 03:20
Operator : TP
Sample : G3095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01M4

Quant Time: Aug 03 04:33:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

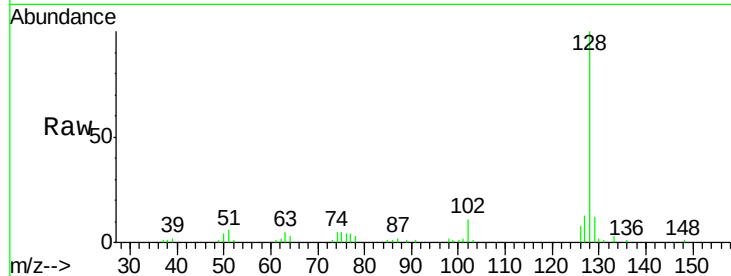




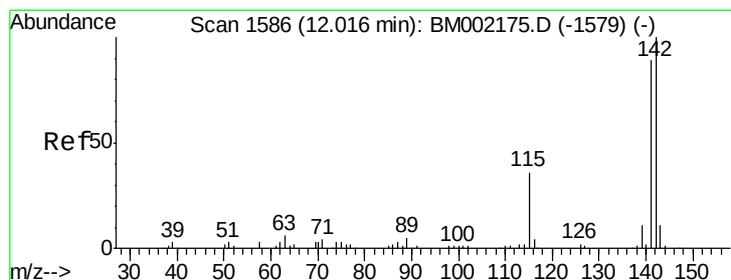
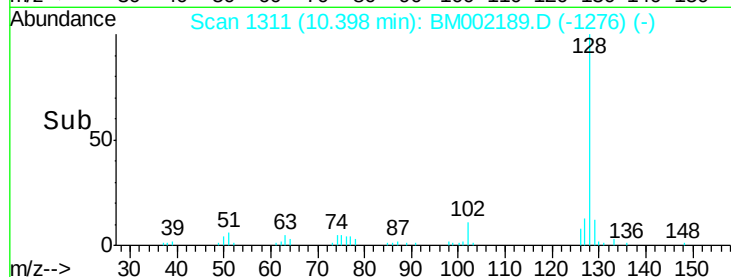
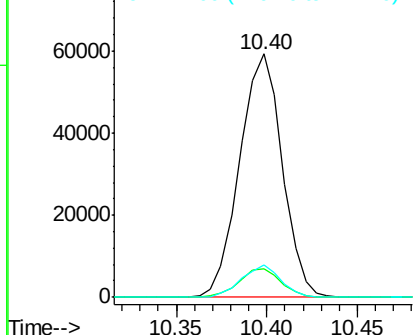
#28
Naphthalene
Concen: 4.23 ng/ul
RT: 10.40 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

Tgt Ion:128 Resp: 96854
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 13.1 10.2 15.4

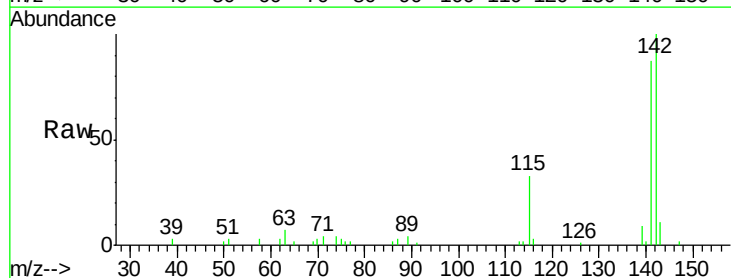


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

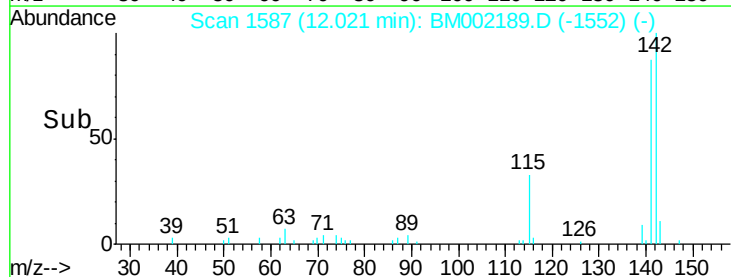
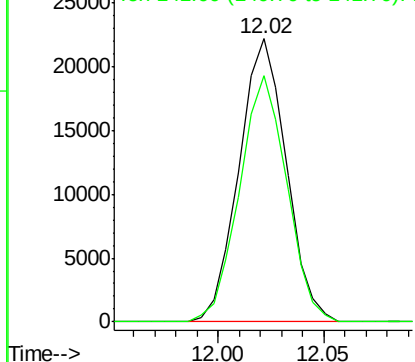


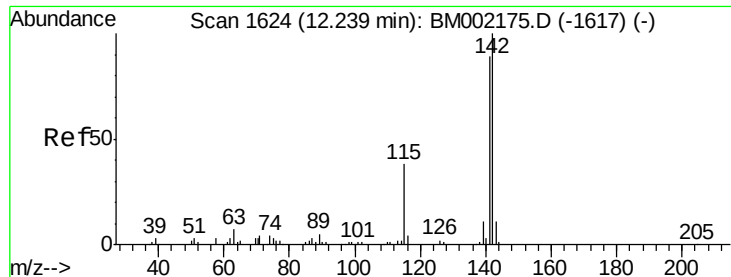
#34
2-Methylnaphthalene
Concen: 2.07 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion:142 Resp: 34450
Ion Ratio Lower Upper
142 100
141 87.1 69.8 104.6



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

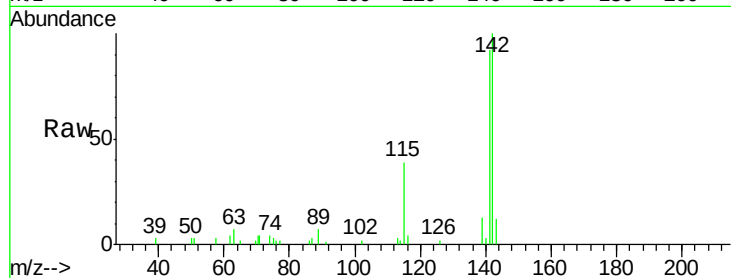




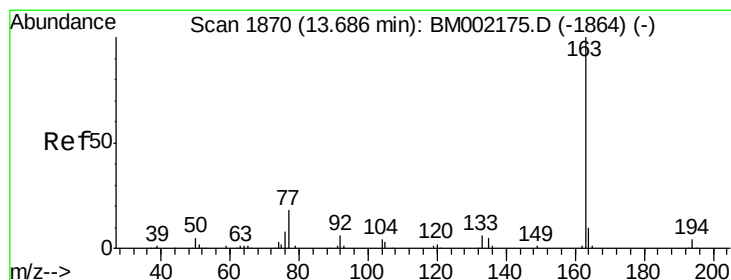
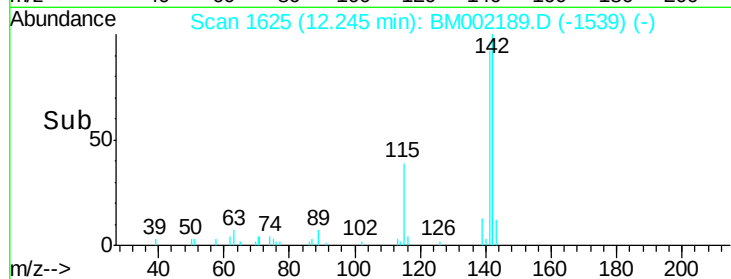
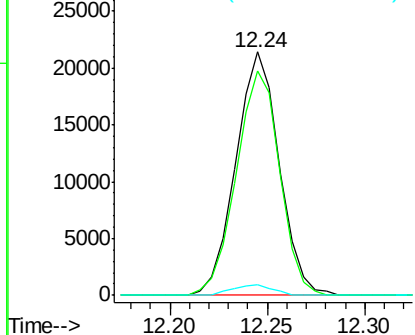
#35
 1-Methylnaphthalene
 Concen: 2.06 ng/ul
 RT: 12.24 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Instrument :
 BNA_M
 ClientSampleId :
 C01M4

Tgt Ion:142 Resp: 32936
 Ion Ratio Lower Upper
 142 100
 141 92.0 72.4 108.6
 116 4.2 3.2 4.8

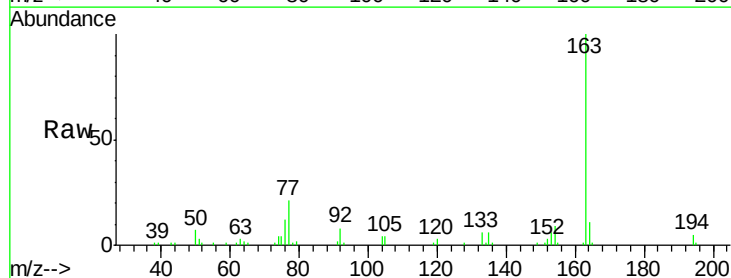


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

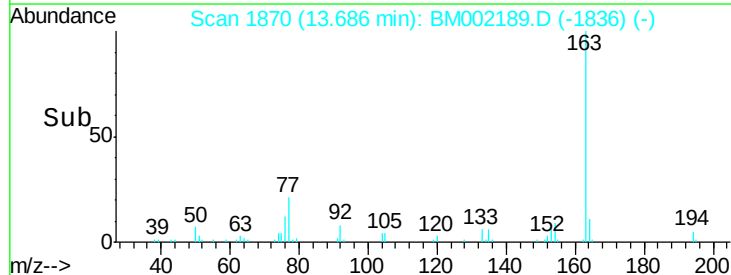
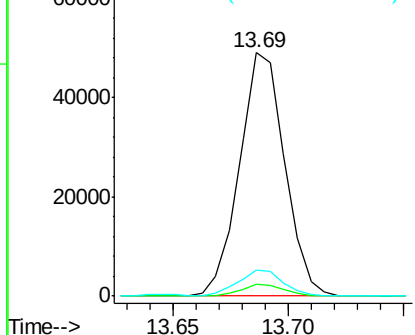


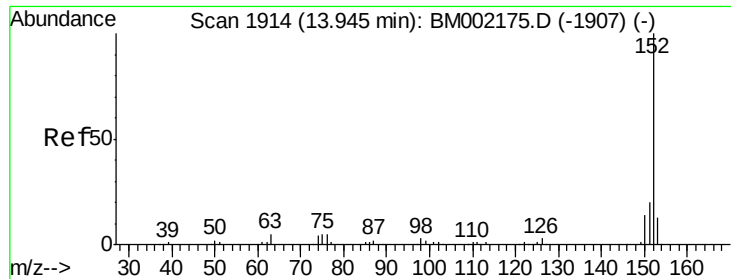
#45
 Dimethylphthalate
 Concen: 3.23 ng/ul
 RT: 13.69 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Tgt Ion:163 Resp: 67054
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.5 5.3
 164 10.6 8.0 12.0



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





#48

Acenaphthylene

Concen: 12.48 ng/ul

RT: 13.95 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

ClientSampleId :

C01M4

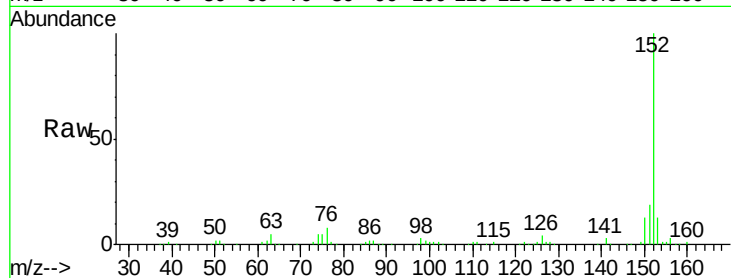
Tgt Ion:152 Resp: 335096

Ion Ratio Lower Upper

152 100

151 19.5 15.6 23.4

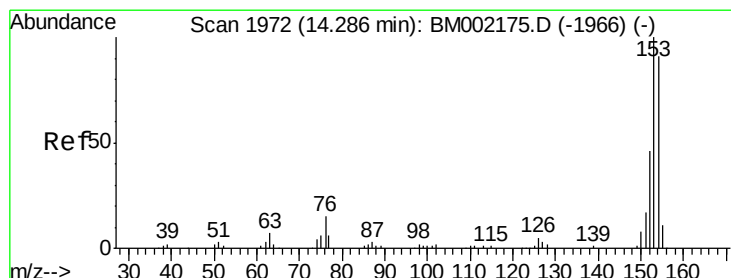
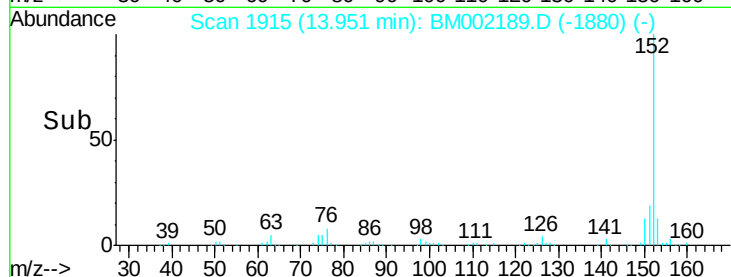
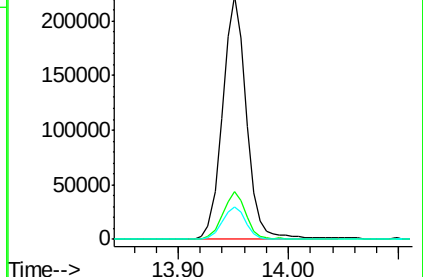
153 13.2 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 9.69 ng/ul

RT: 14.29 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

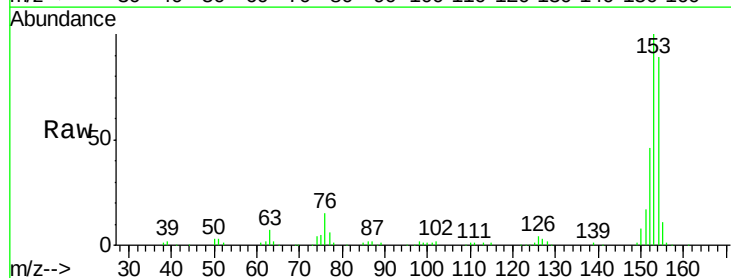
Tgt Ion:153 Resp: 170472

Ion Ratio Lower Upper

153 100

152 45.7 37.3 55.9

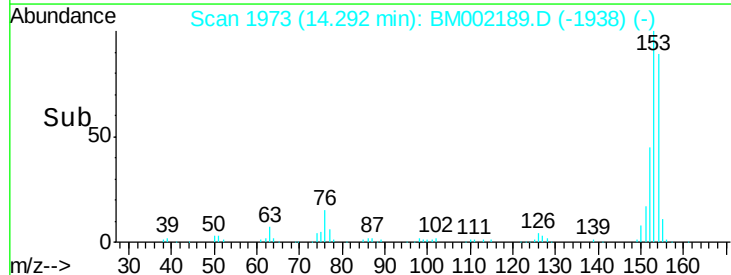
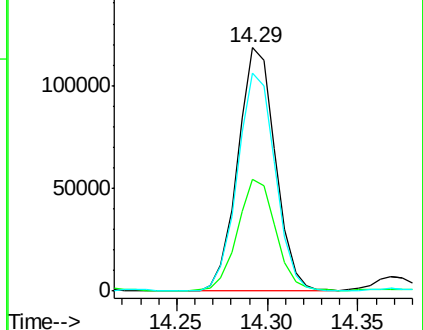
154 89.4 71.4 107.2

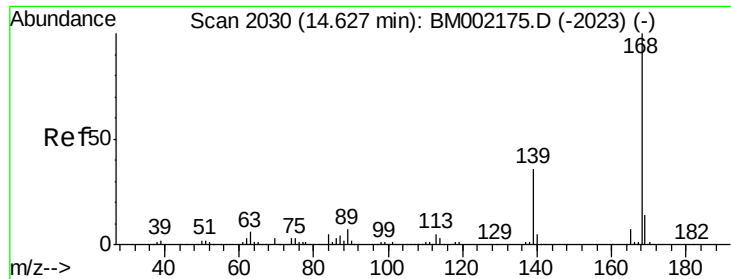


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 4.46 ng/ul

RT: 14.63 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

ClientSampleId :

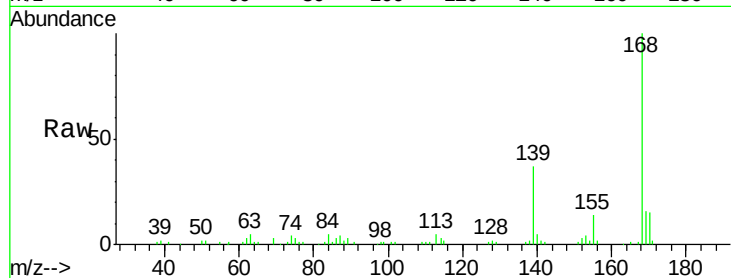
C01M4

Tgt Ion:168 Resp: 112611

Ion Ratio Lower Upper

168 100

139 37.5 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.63

80000

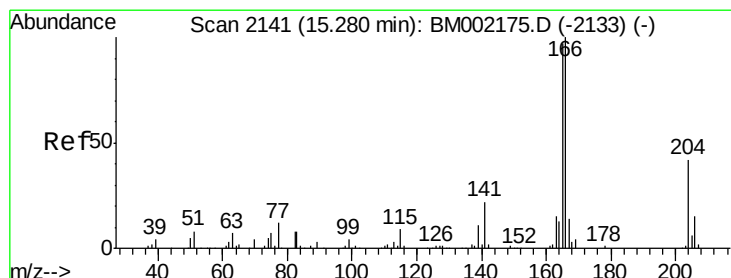
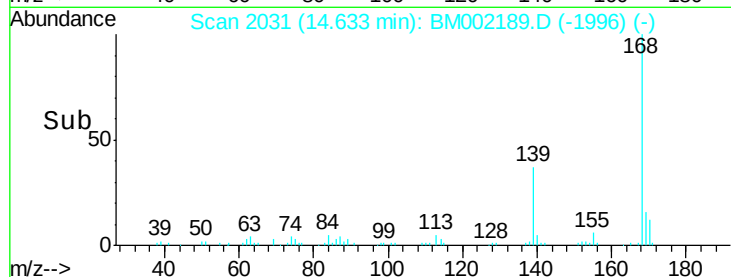
60000

40000

20000

0

Time-->



#59

Fluorene

Concen: 9.90 ng/ul

RT: 15.29 min Scan# 2142

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

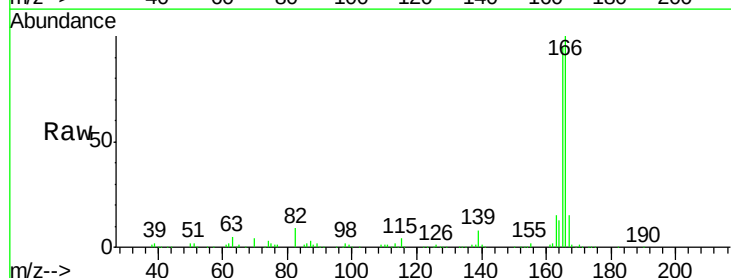
Tgt Ion:166 Resp: 206449

Ion Ratio Lower Upper

166 100

165 95.0 75.6 113.4

167 14.8 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

15.29

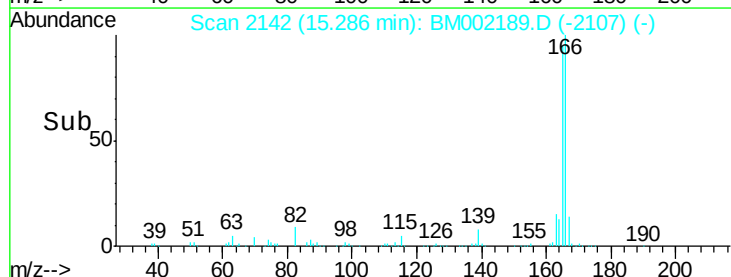
150000

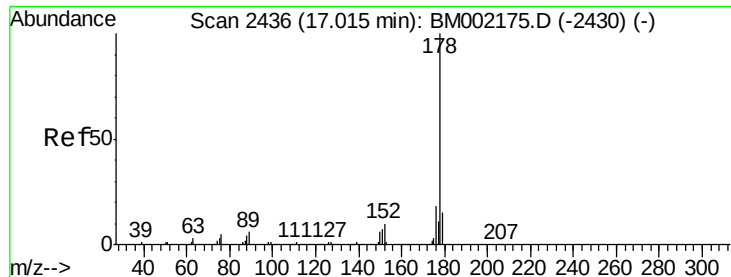
100000

50000

0

Time-->





#70

Phenanthrene

Concen: 122.52 ng/ul

RT: 17.04 min Scan# 2440

Delta R.T. 0.02 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

ClientSampleId :

C01M4

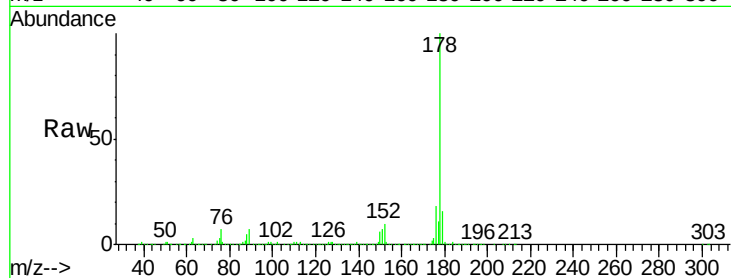
Tgt Ion:178 Resp: 3886364

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

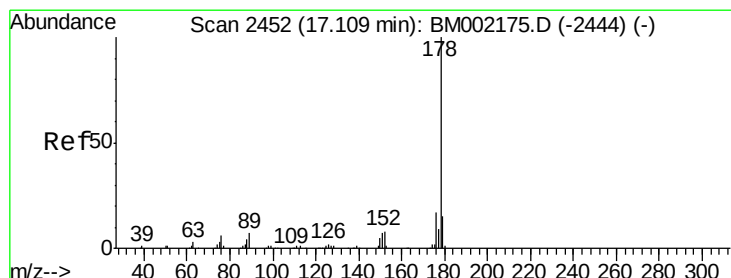
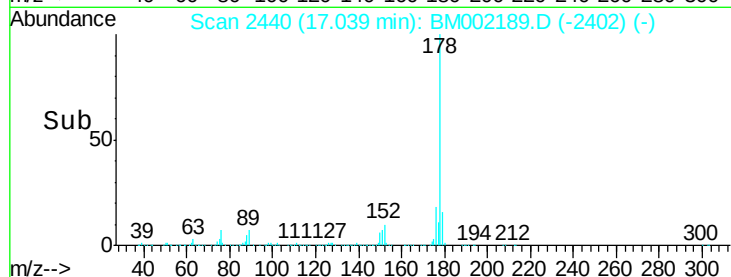
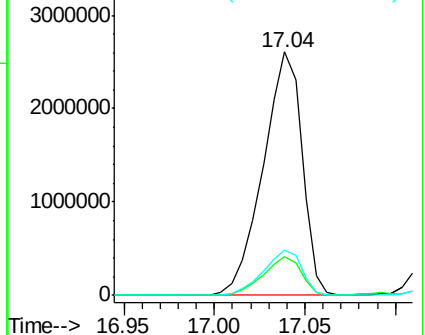
176 18.5 14.2 21.4



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: 29.69 ng/ul

RT: 17.12 min Scan# 2454

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

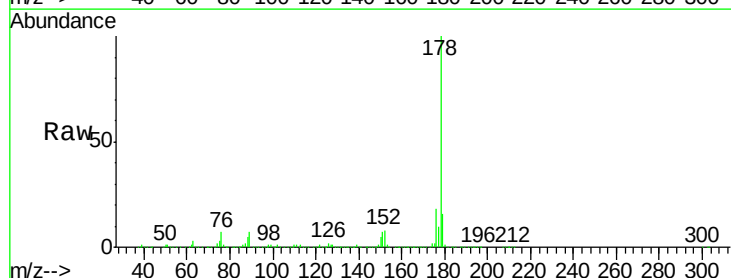
Tgt Ion:178 Resp: 962738

Ion Ratio Lower Upper

178 100

179 16.0 12.1 18.1

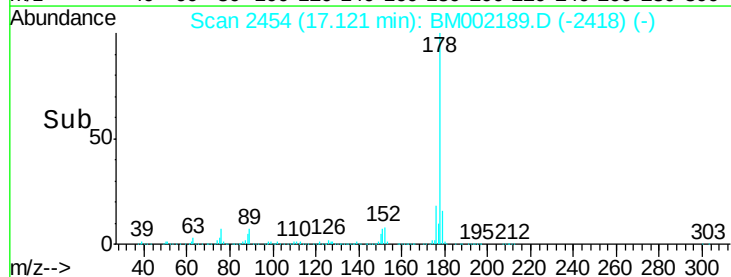
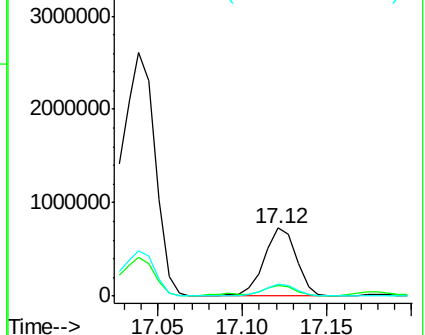
176 17.6 14.1 21.1

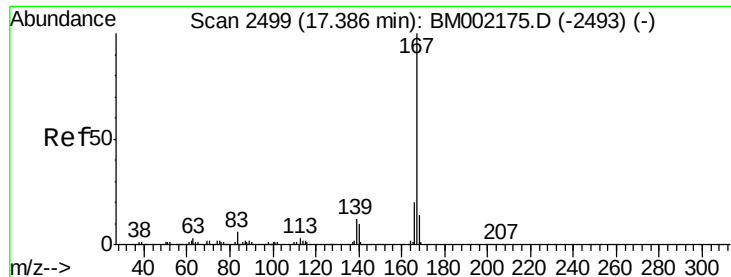


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 8.91 ng/ul

RT: 17.40 min Scan# 2501

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

ClientSampleId :

C01M4

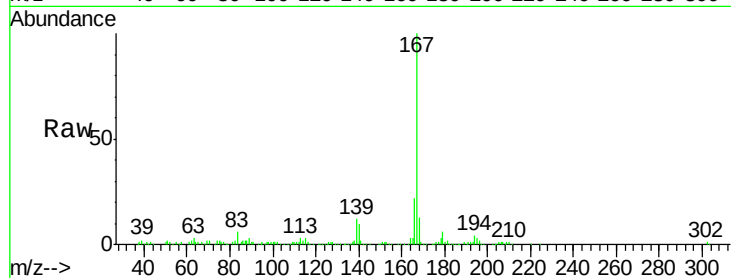
Tgt Ion:167 Resp: 246725

Ion Ratio Lower Upper

167 100

166 21.9 16.2 24.4

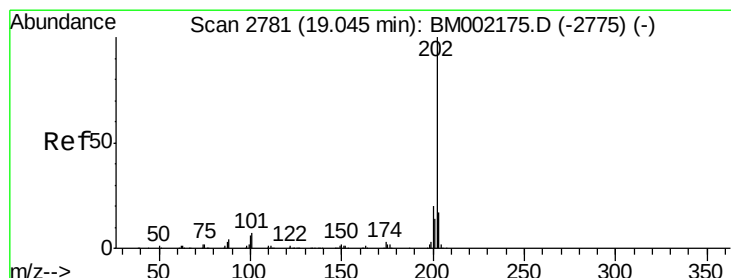
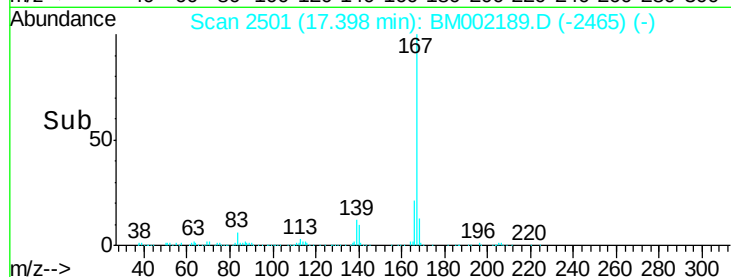
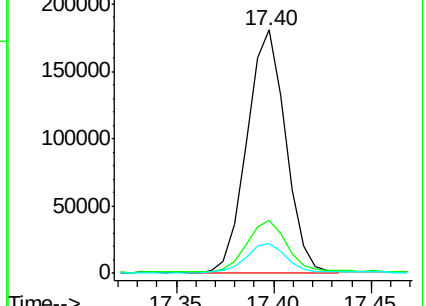
139 12.3 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Fluoranthene

Concen: 179.79 ng/ul

RT: 19.07 min Scan# 2786

Delta R.T. 0.03 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

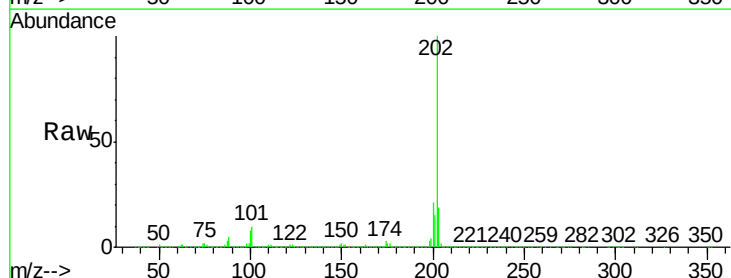
Tgt Ion:202 Resp: 6584949

Ion Ratio Lower Upper

202 100

101 10.0 6.2 9.4#

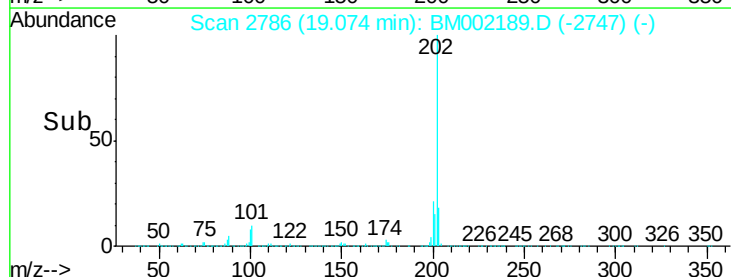
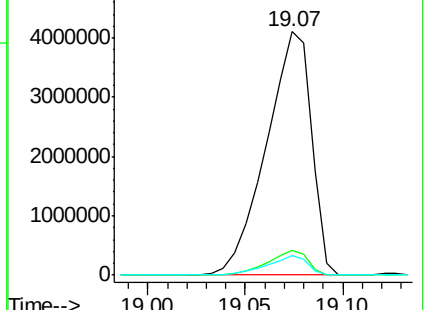
100 7.9 5.2 7.8#

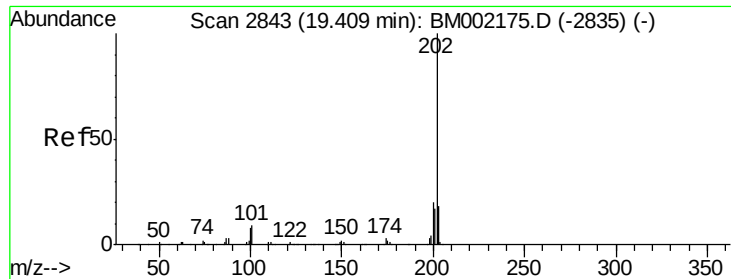


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

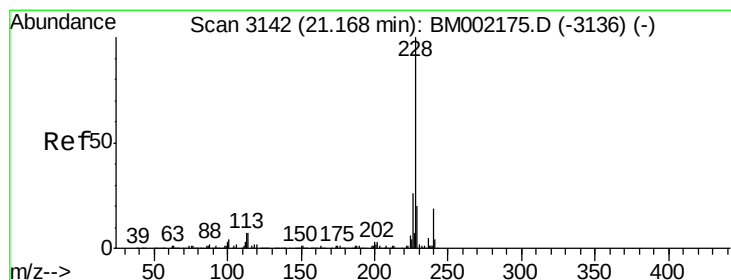
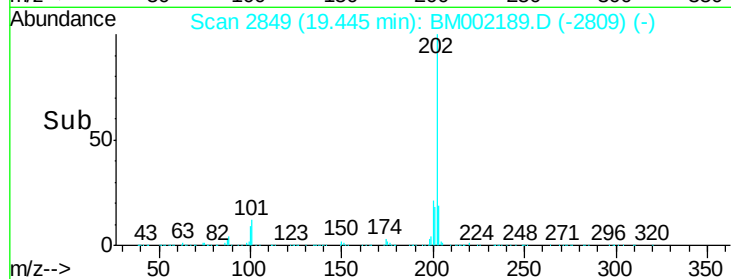
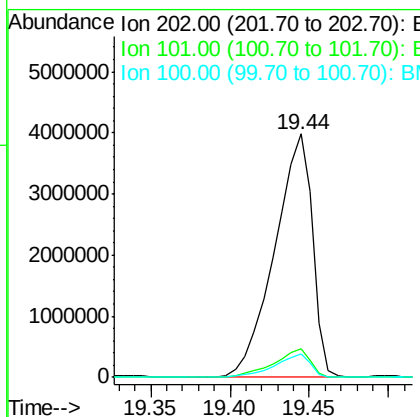
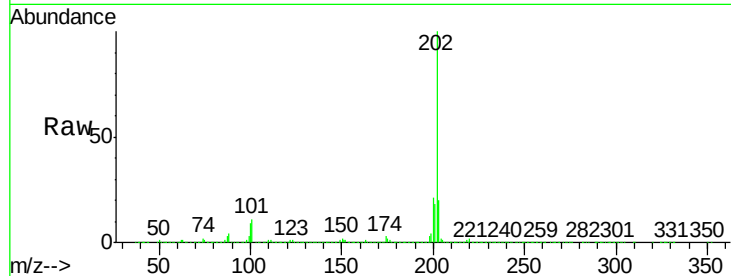




#80
 Pyrene
 Concen: 222.56 ng/ul
 RT: 19.44 min Scan# 2849
 Delta R.T. 0.04 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

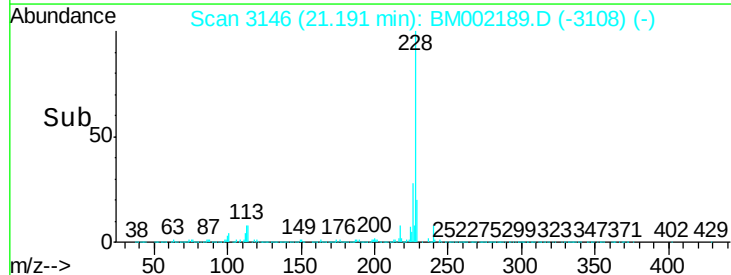
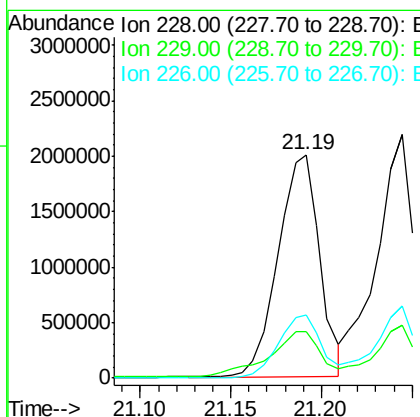
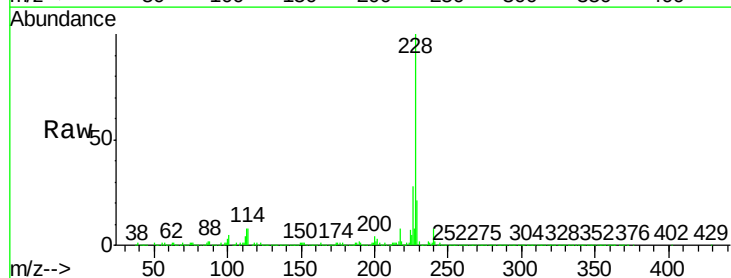
Instrument :
 BNA_M
 ClientSampleId :
 C01M4

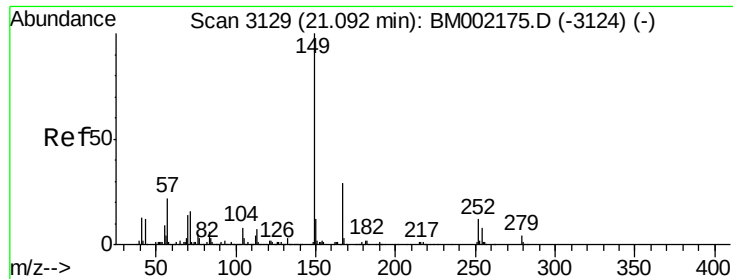
Tgt Ion:202 Resp: 6602878
 Ion Ratio Lower Upper
 202 100
 101 11.5 7.4 11.2#
 100 9.4 6.3 9.5



#83
 Benzo(a)anthracene
 Concen: 106.30 ng/ul
 RT: 21.19 min Scan# 3146
 Delta R.T. 0.02 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Tgt Ion:228 Resp: 3212922
 Ion Ratio Lower Upper
 228 100
 229 20.9 15.4 23.2
 226 28.5 20.5 30.7

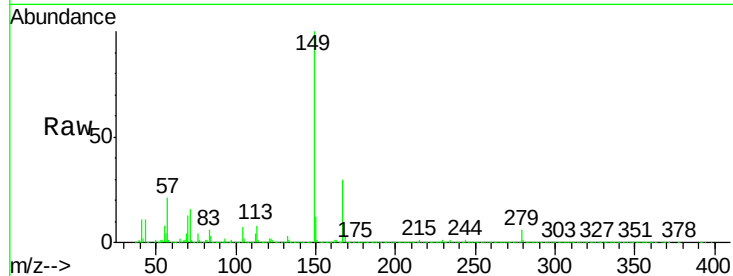




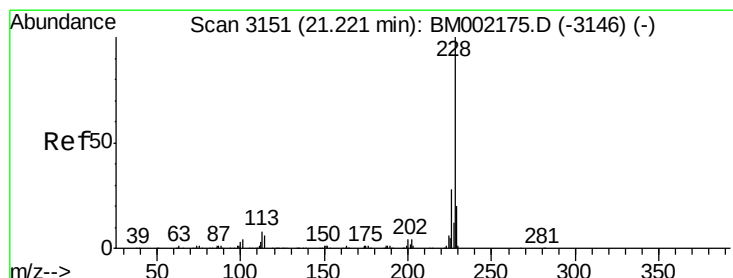
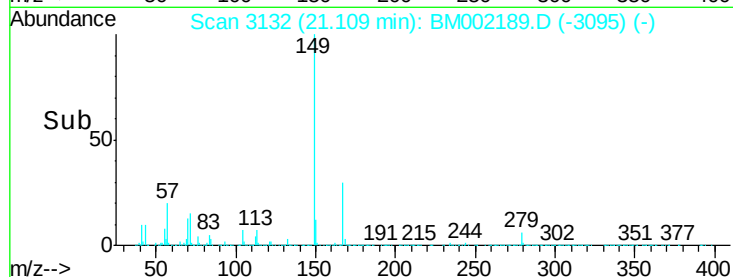
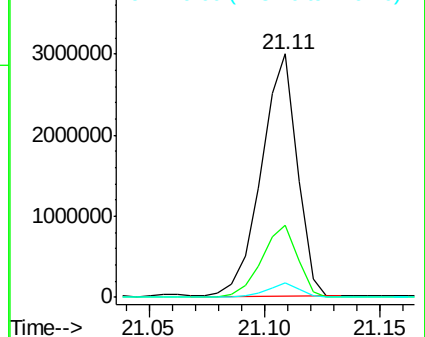
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 186.19 ng/ul
 RT: 21.11 min Scan# 3132
 Delta R.T. 0.02 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Instrument :
 BNA_M
 ClientSampleId :
 C01M4

Tgt Ion:149 Resp: 3230071
 Ion Ratio Lower Upper
 149 100
 167 29.8 23.6 35.4
 279 5.7 4.2 6.4

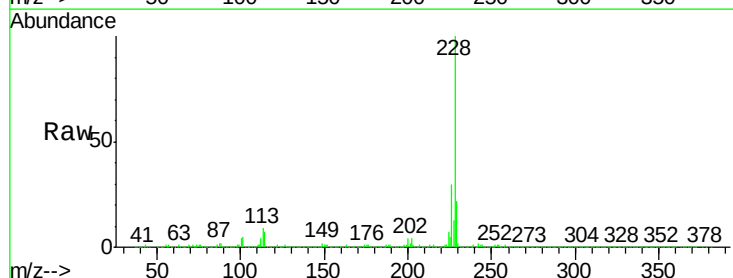


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

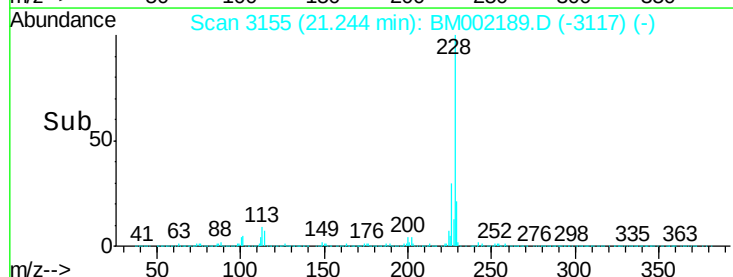
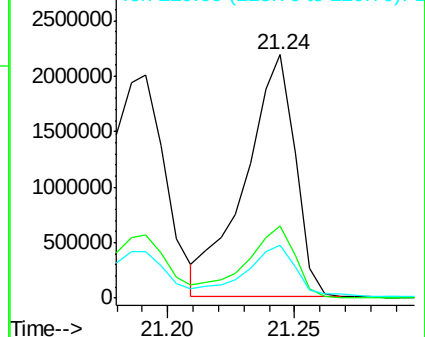


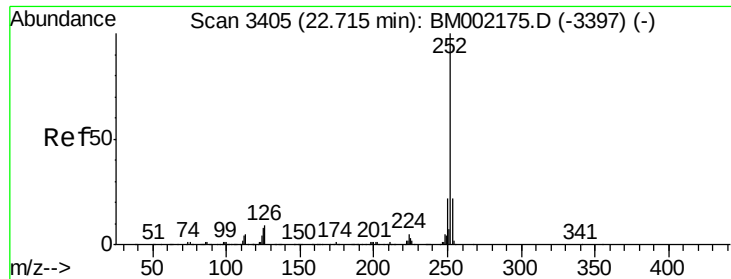
#85
 Chrysene
 Concen: 106.06 ng/ul
 RT: 21.24 min Scan# 3155
 Delta R.T. 0.02 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Tgt Ion:228 Resp: 2999038
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 21.8 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

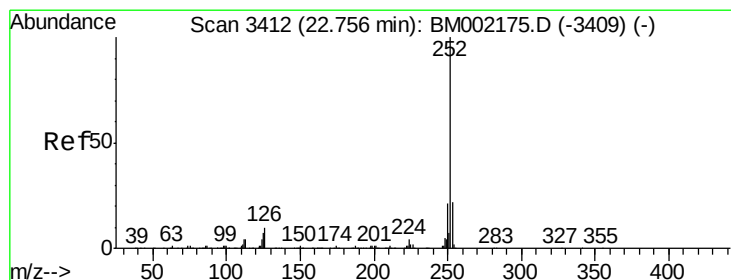
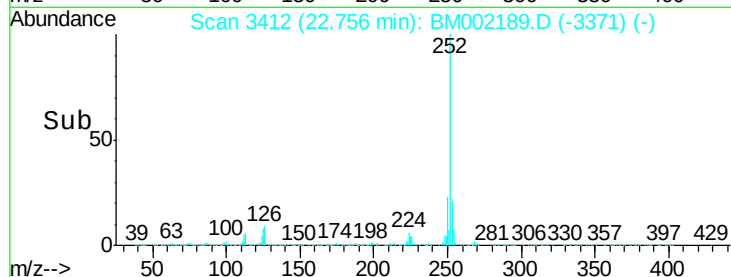
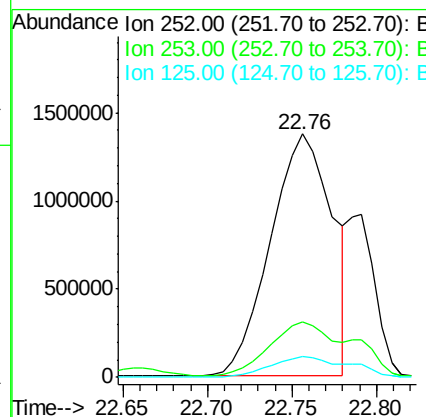
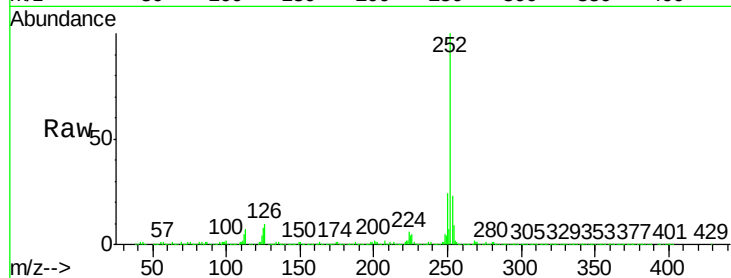




#88
Benzo(b)fluoranthene
Concen: 125.70 ng/ul
RT: 22.76 min Scan# 3412
Delta R.T. 0.04 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

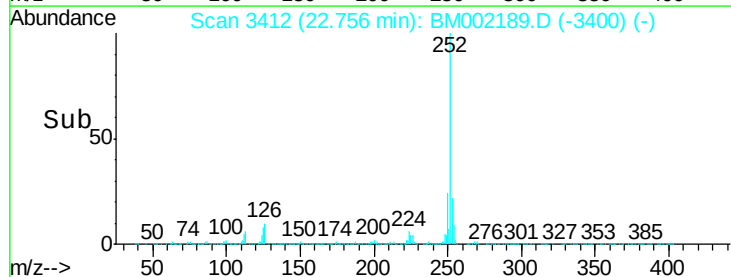
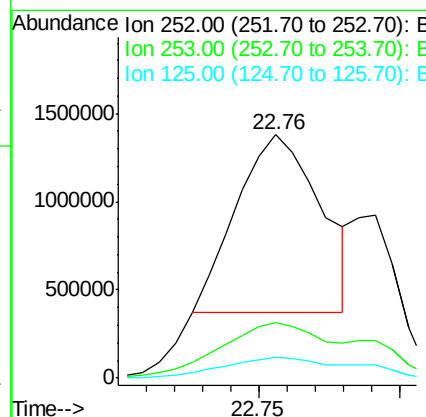
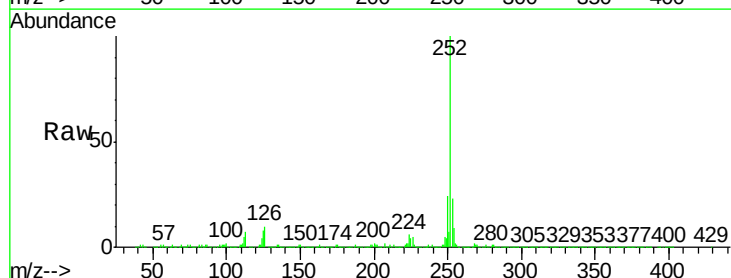
Instrument :
BNA_M
ClientSampleId :
C01M4

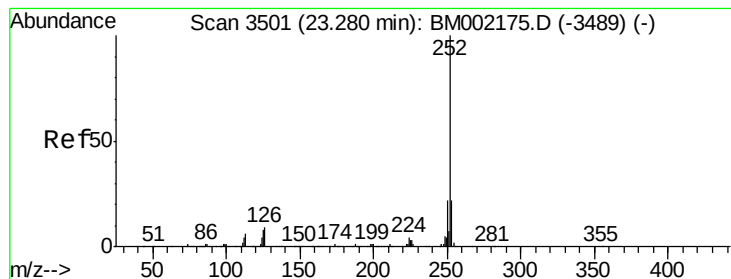
Tgt Ion:252 Resp: 3490763
Ion Ratio Lower Upper
252 100
253 22.6 16.9 25.3
125 8.5 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 77.57 ng/ul
RT: 22.76 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion:252 Resp: 2078600
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.5 6.2 9.4





#91

Benzo(a)pyrene

Concen: 95.67 ng/ul

RT: 23.32 min Scan# 3508

Delta R.T. 0.04 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

ClientSampleId :

C01M4

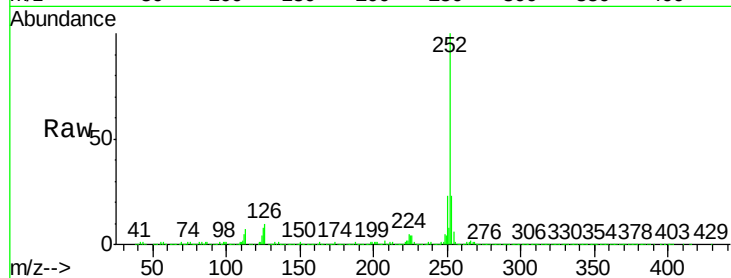
Tgt Ion:252 Resp: 2564640

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

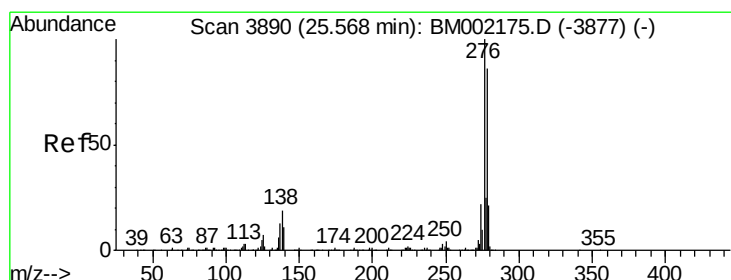
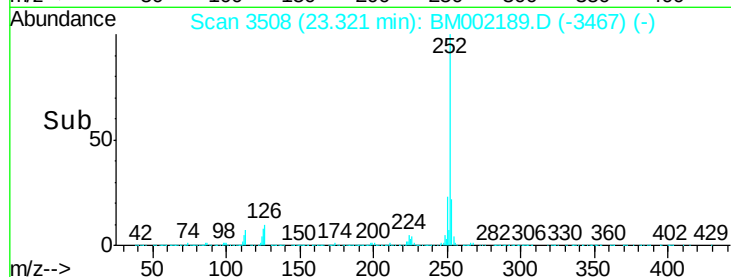
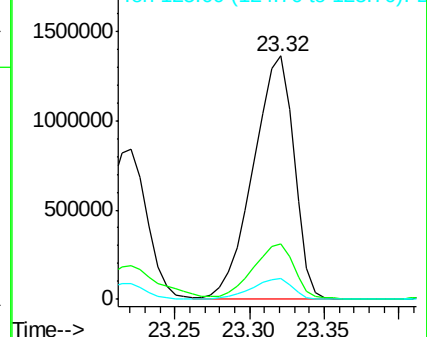
125 8.4 6.6 10.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 52.81 ng/ul

RT: 25.64 min Scan# 3902

Delta R.T. 0.07 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

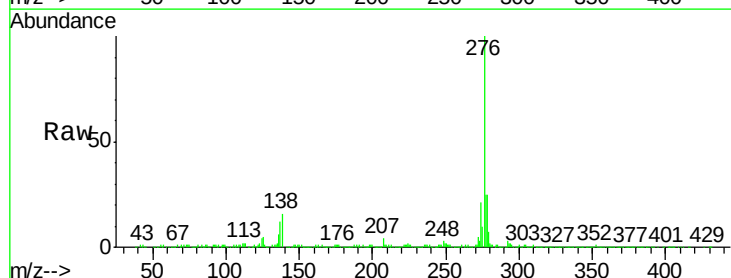
Tgt Ion:276 Resp: 1631420

Ion Ratio Lower Upper

276 100

138 16.2 16.2 24.2

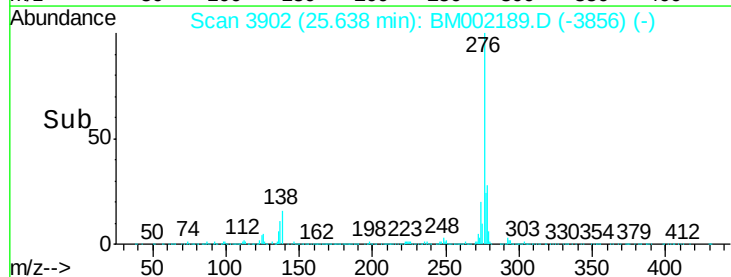
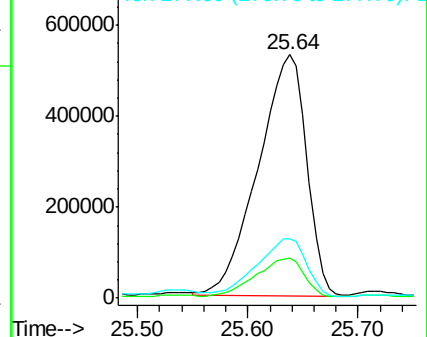
277 24.6 19.8 29.8

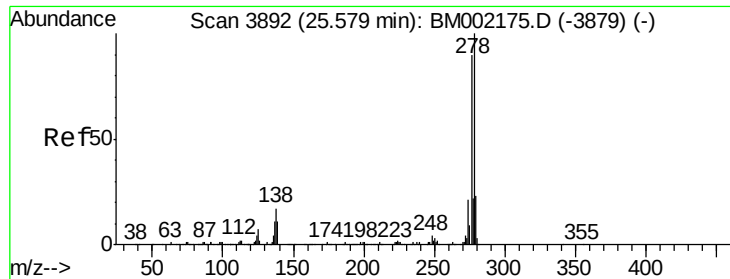


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

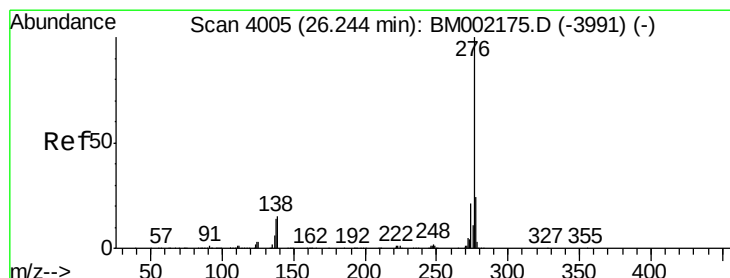
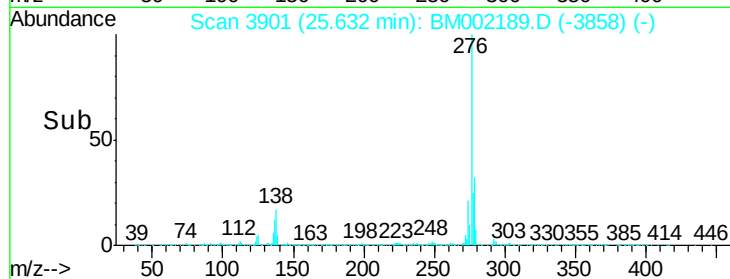
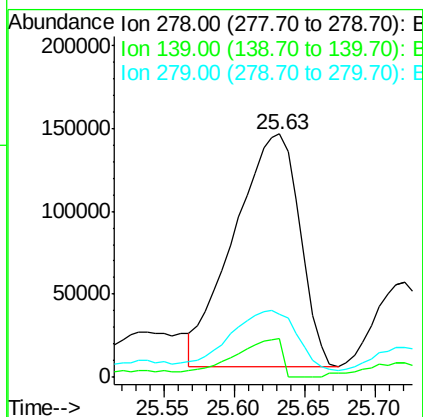
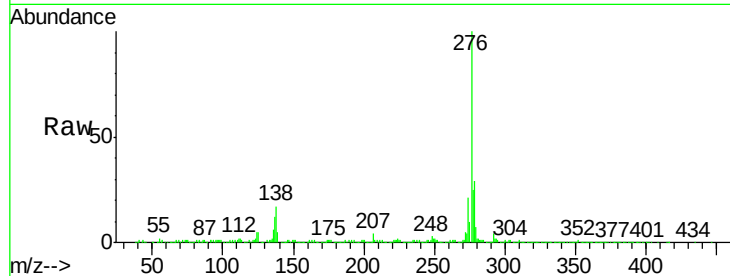




#93
Dibenzo(a,h)anthracene
Concen: 17.25 ng/ul
RT: 25.63 min Scan# 3901
Delta R.T. 0.05 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

Tgt Ion:278 Resp: 456045
Ion Ratio Lower Upper
278 100
139 16.0 10.6 16.0#
279 26.1 18.5 27.7



#94
Benzo(g,h,i)perylene
Concen: 57.53 ng/ul
RT: 26.33 min Scan# 4019
Delta R.T. 0.08 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion:276 Resp: 1489764
Ion Ratio Lower Upper
276 100
138 16.4 13.8 20.6
277 25.0 18.2 27.2

