

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002186.D
 Acq On : 03 Aug 2015 01:31
 Operator : TP
 Sample : G3095-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S2

Quant Time: Aug 03 02:11:18 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	104603	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	441067	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	269046	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.99	188	573175	20.00	ng/ul	0.02
78) Chrysene-d12	21.20	240	513385	20.00	ng/ul	0.02
86) Perylene-d12	23.40	264	460725	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2625	1.30	ng/uL	0.00
5) Phenol-d5	6.75	99	82464	11.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	40936	9.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	69238	10.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	70205	11.81	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	34135	10.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	37341	10.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	76819	11.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	59200	8.03	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	221021	11.22	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	269284	10.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	26021	7.91	ng/ul	0.02
58) Fluorene-d10	15.23	176	191525	11.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	2252	0.64	ng/ul	0.03
71) Anthracene-d10	17.09	188	284333	11.11	ng/ul	0.02
79) Pyrene-d10	19.40	212	268251	12.41	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.27	264	237359	10.63	ng/ul	0.04

Target Compounds

					Qvalue
6) Phenol	6.77	94	9595	1.25 ng/ul	95
14) Acetophenone	8.38	105	12923	1.37 ng/ul	98
28) Naphthalene	10.40	128	1919349	91.60 ng/ul	99
34) 2-Methylnaphthalene	12.02	142	272988	17.91 ng/ul	99
35) 1-Methylnaphthalene	12.25	142	133202	9.09 ng/ul	99
41) 1,1'-Biphenyl	13.05	154	106579	5.14 ng/ul	97
45) Dimethylphthalate	13.69	163	76733	3.90 ng/ul	99
48) Acenaphthylene	13.95	152	86796	3.41 ng/ul	98
50) Acenaphthene	14.30	153	1647774	98.87 ng/ul	99
53) 4-Nitrophenol	14.63	109	3514	1.28 ng/ul#	1
54) Dibenzofuran	14.63	168	823660	34.46 ng/ul	99
59) Fluorene	15.29	166	1114288	56.40 ng/ul	99
61) 4-Nitroaniline	15.29	138	12323	3.24 ng/ul#	16
70) Phenanthrene	17.06	178	10675027	359.57 ng/ul	94
72) Anthracene	17.13	178	2605850	85.86 ng/ul	99
75) Carbazole	17.40	167	1326733	51.18 ng/ul	99
77) Fluoranthene	19.21	202	40543	1.18 ng/ul	99
80) Pyrene	19.45	202	10832851	387.78 ng/ul#	91
83) Benzo(a)anthracene	21.19	228	5520315	193.97 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.10	149	22456	1.37 ng/ul#	97
85) Chrysene	21.19	228	5520315	207.33 ng/ul	98
88) Benzo(b)fluoranthene	22.76	252	6328219	244.44 ng/ul	96
89) Benzo(k)fluoranthene	22.80	252	1905512	76.28 ng/ul	97

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

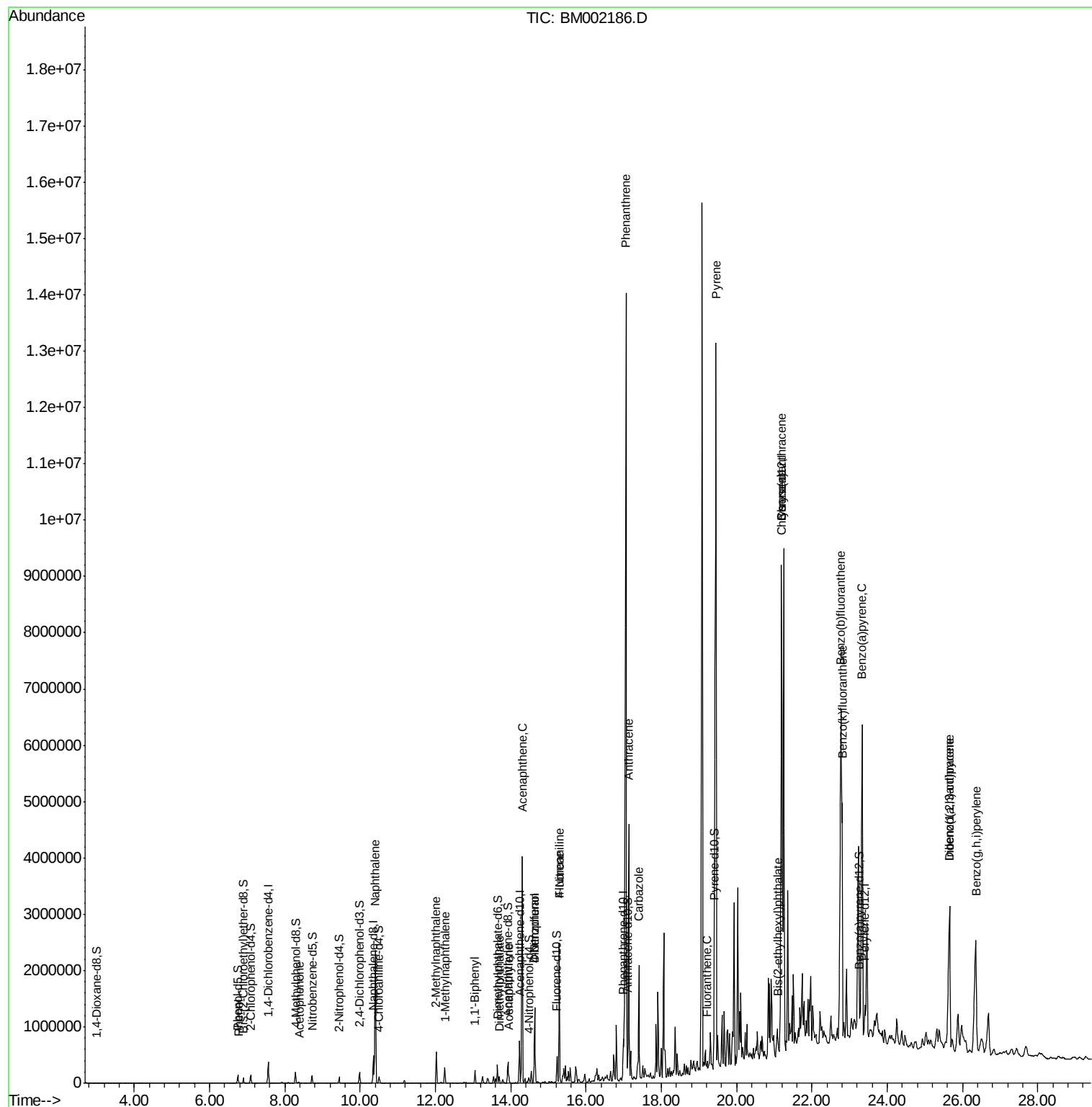
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.33	252	4571341	182.93	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.66	276	2927378	101.66	ng/ul	96
93) Dibenzo(a,h)anthracene	25.64	278	735492	29.85	ng/ul#	93
94) Benzo(g,h,i)perylene	26.35	276	2687123	111.32	ng/ul	95

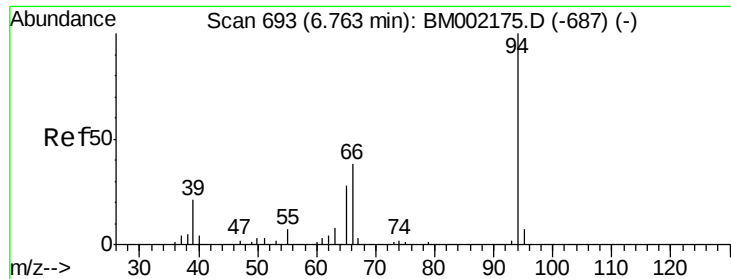
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.25 ng/ul

RT: 6.77 min Scan# 694

Delta R.T. 0.01 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

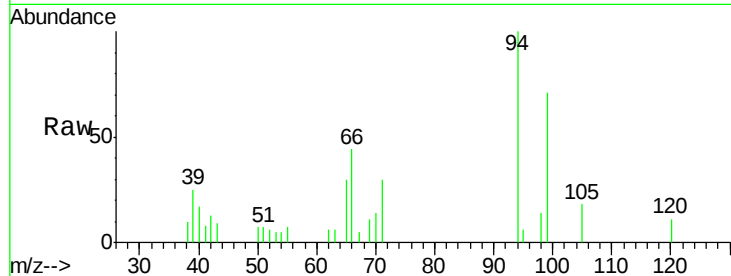
Tgt Ion: 94 Resp: 9595

Ion Ratio Lower Upper

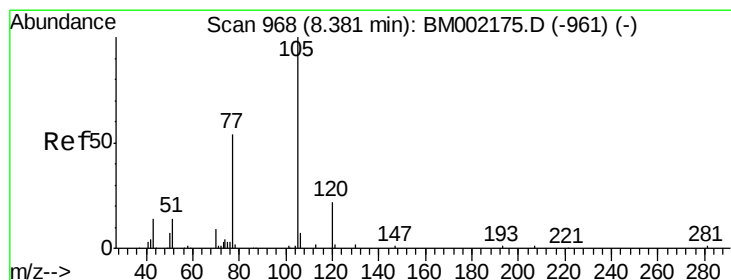
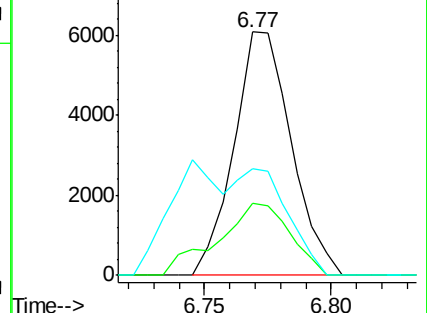
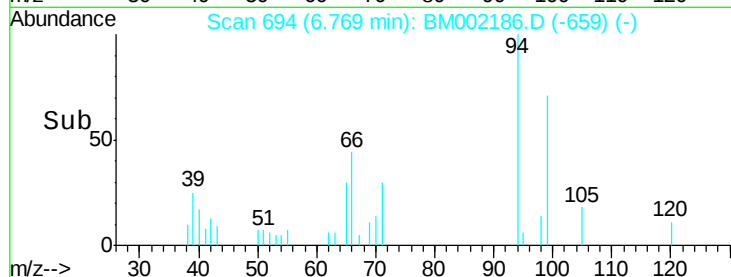
94 100

65 29.7 21.8 32.8

66 43.8 32.3 48.5



Abundance Ion 94.00 (93.70 to 94.70): BM002175.D (-687) (-)



#14

Acetophenone

Concen: 1.37 ng/ul

RT: 8.38 min Scan# 968

Delta R.T. -0.00 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

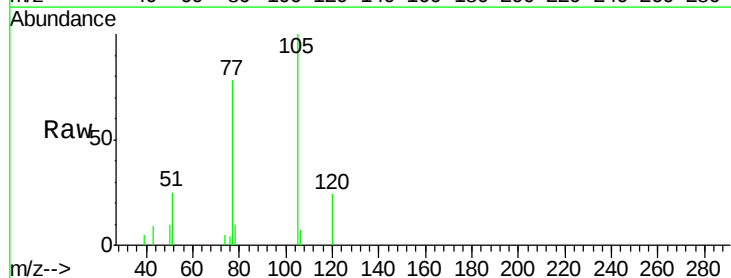
Tgt Ion: 105 Resp: 12923

Ion Ratio Lower Upper

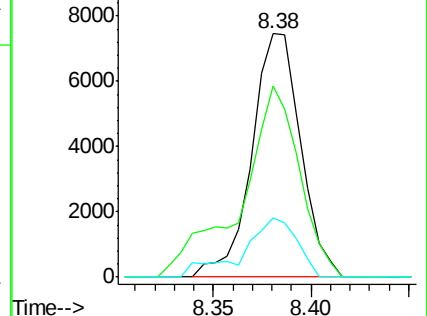
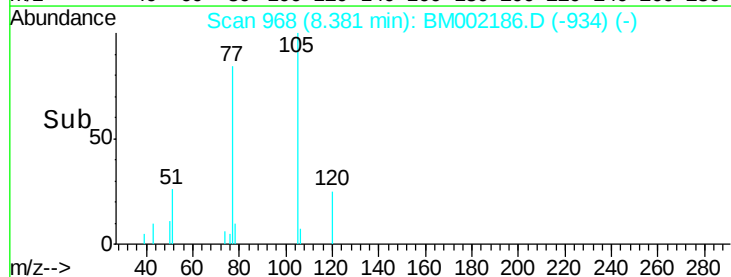
105 100

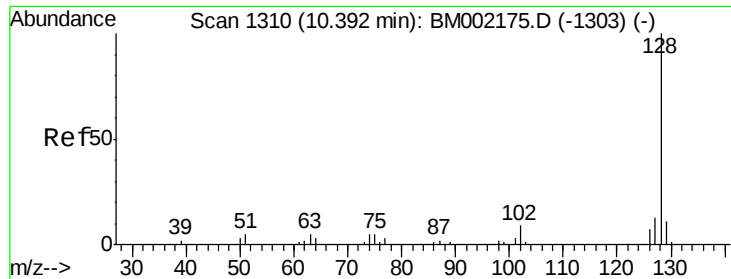
77 78.3 61.8 92.8

51 24.5 18.5 27.7



Abundance Ion 105.00 (104.70 to 105.70): BM002175.D (-961) (-)

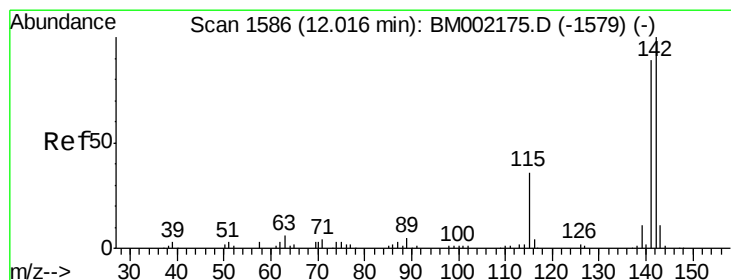
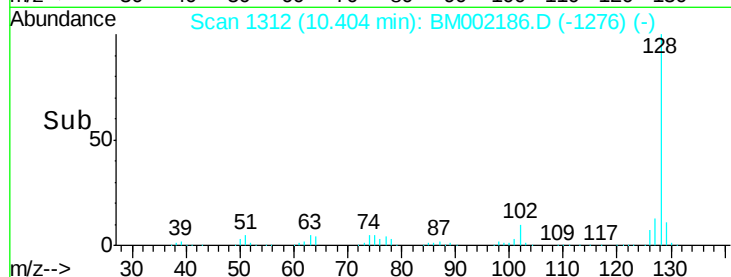
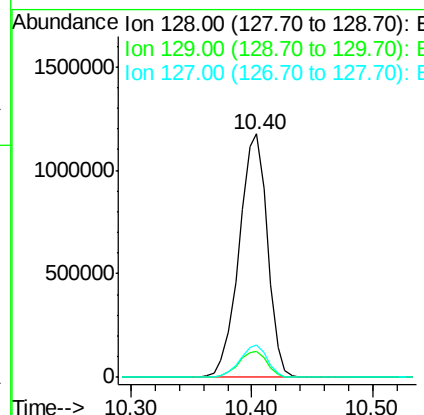
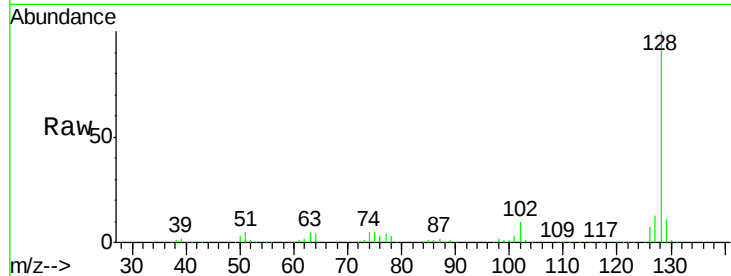




#28
Naphthalene
Concen: 91.60 ng/ul
RT: 10.40 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

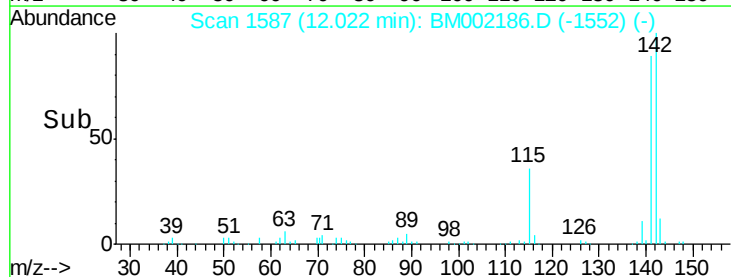
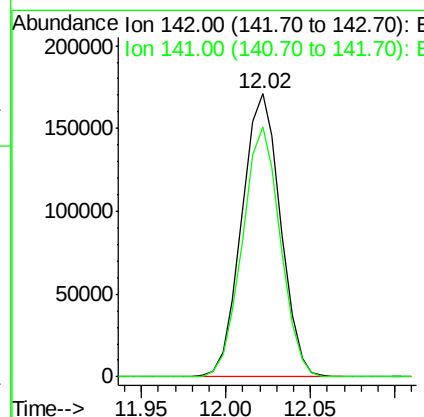
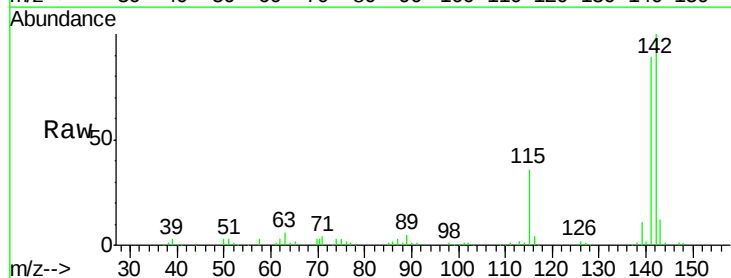
Instrument :
BNA_M
ClientSampleId :
C01S2

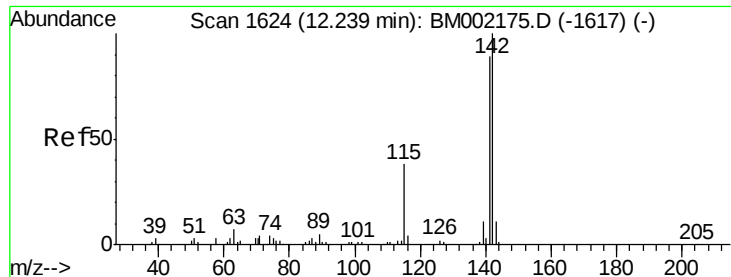
Tgt Ion:128 Resp: 1919349
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 13.1 10.2 15.4



#34
2-Methylnaphthalene
Concen: 17.91 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:142 Resp: 272988
Ion Ratio Lower Upper
142 100
141 88.5 69.8 104.6

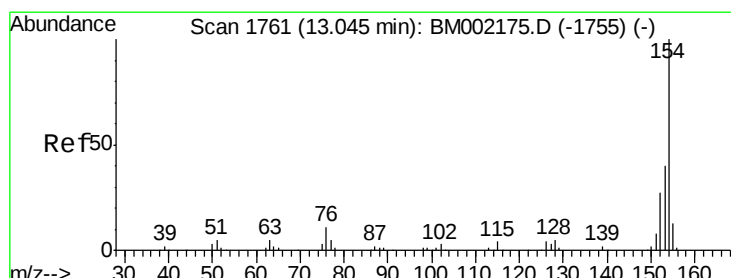
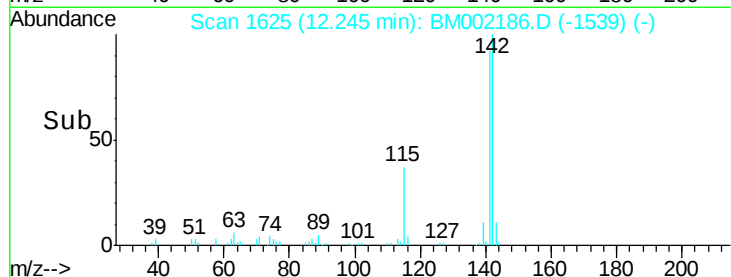
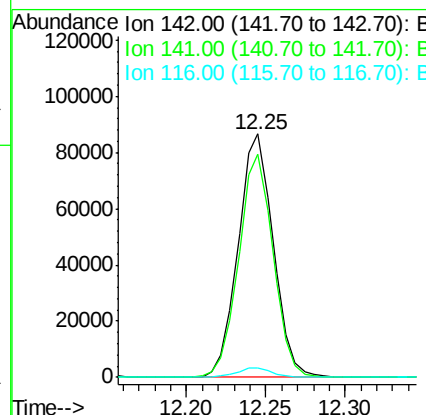
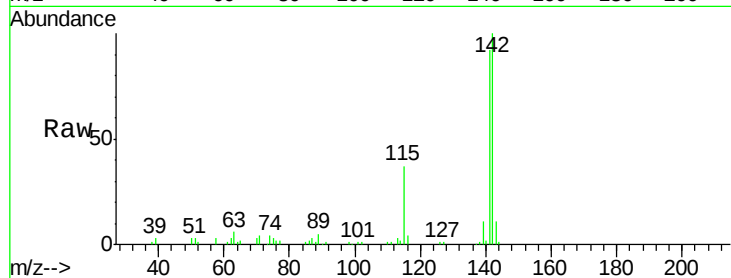




#35
 1-Methylnaphthalene
 Concen: 9.09 ng/ul
 RT: 12.25 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

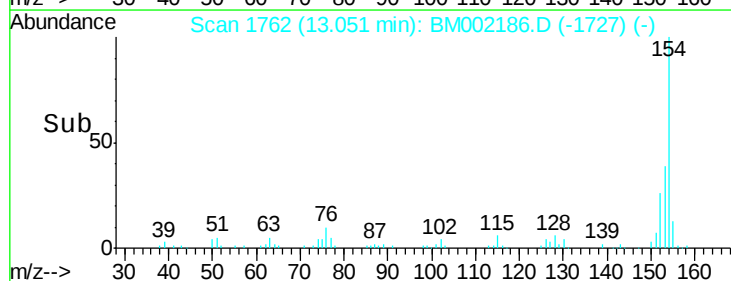
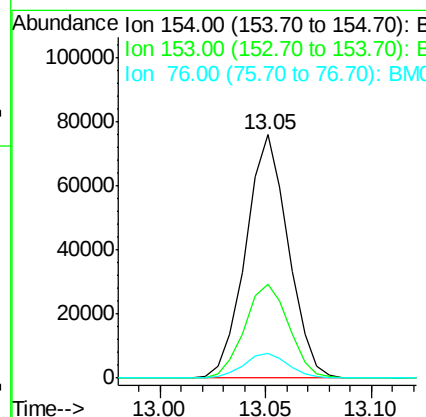
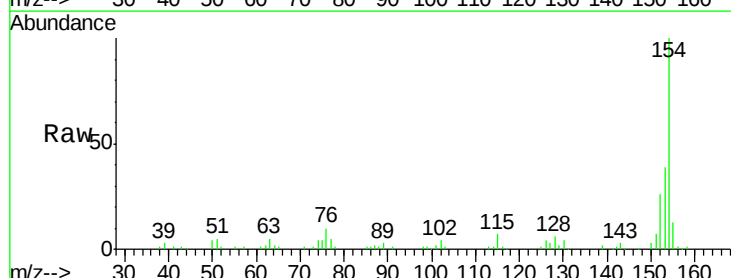
Instrument :
 BNA_M
 ClientSampleId :
 C01S2

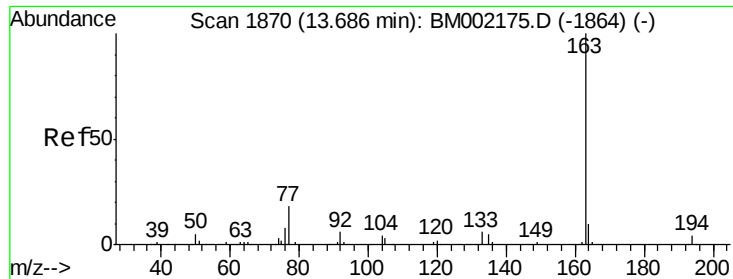
Tgt Ion:142 Resp: 133202
 Ion Ratio Lower Upper
 142 100
 141 91.7 72.4 108.6
 116 3.8 3.2 4.8



#41
 1,1'-Biphenyl
 Concen: 5.14 ng/ul
 RT: 13.05 min Scan# 1762
 Delta R.T. 0.01 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Tgt Ion:154 Resp: 106579
 Ion Ratio Lower Upper
 154 100
 153 38.6 32.5 48.7
 76 10.0 8.8 13.2

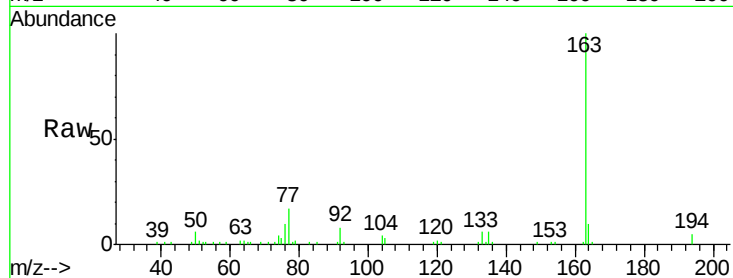




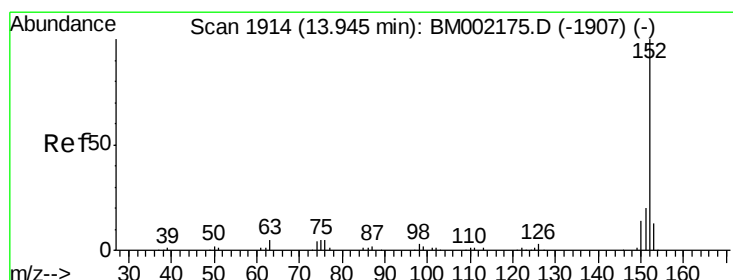
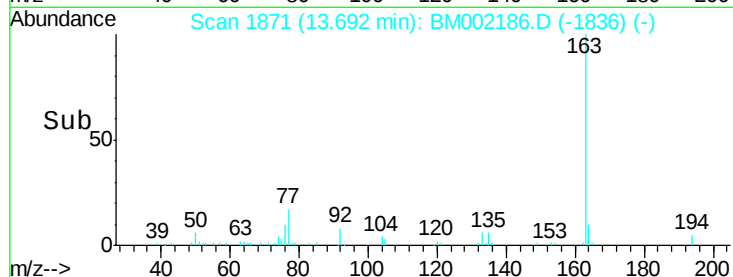
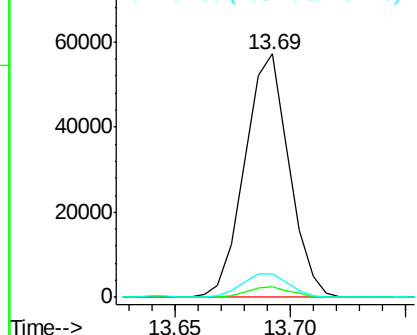
#45
Dimethylphthalate
Concen: 3.90 ng/ul
RT: 13.69 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion:163 Resp: 76733
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 9.6 8.0 12.0

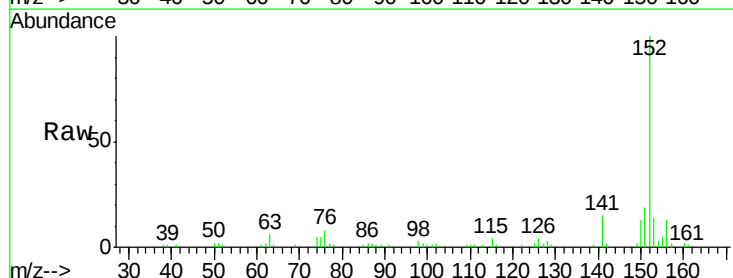


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

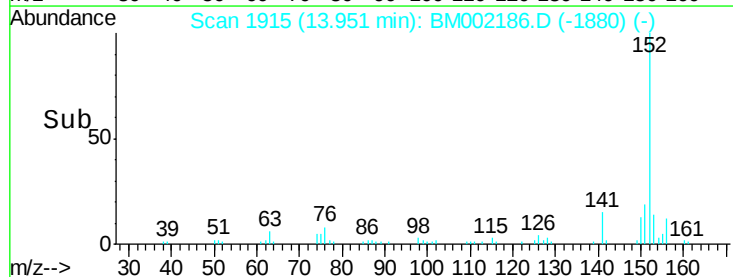
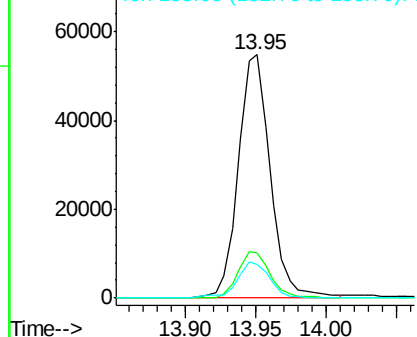


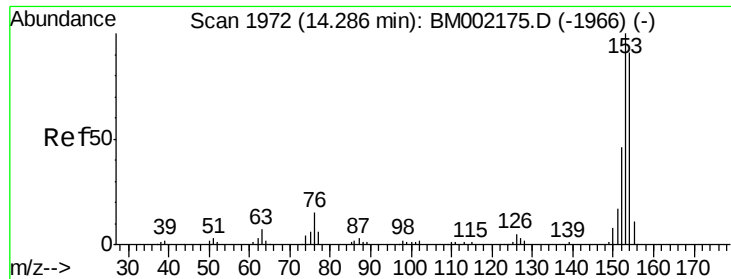
#48
Acenaphthylene
Concen: 3.41 ng/ul
RT: 13.95 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:152 Resp: 86796
Ion Ratio Lower Upper
152 100
151 18.7 15.6 23.4
153 14.0 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: 98.87 ng/u1

RT: 14.30 min Scan# 1975

Delta R.T. 0.02 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

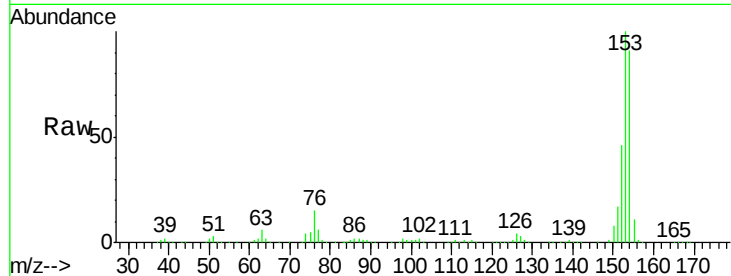
Tgt Ion:153 Resp: 1647774

Ion Ratio Lower Upper

153 100

152 46.2 37.3 55.9

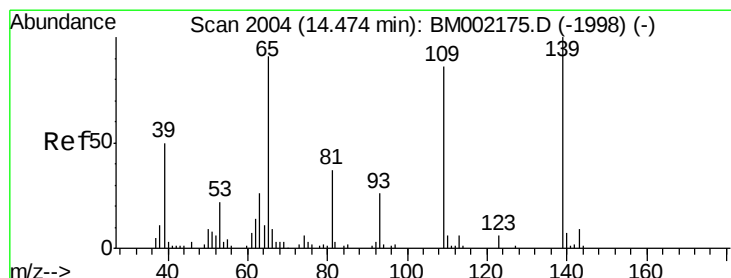
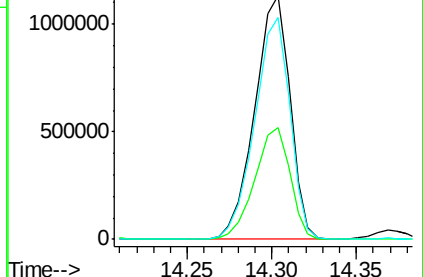
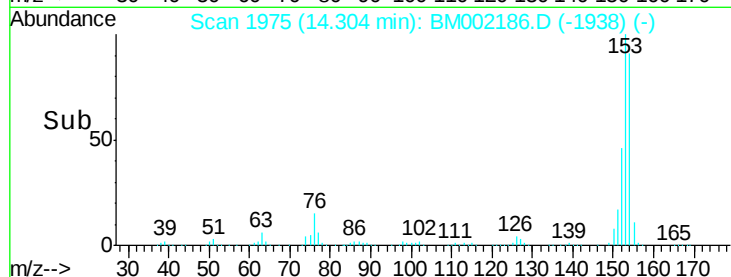
154 90.9 71.4 107.2



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



#53

4-Nitrophenol

Concen: 1.28 ng/u1

RT: 14.63 min Scan# 2031

Delta R.T. 0.16 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

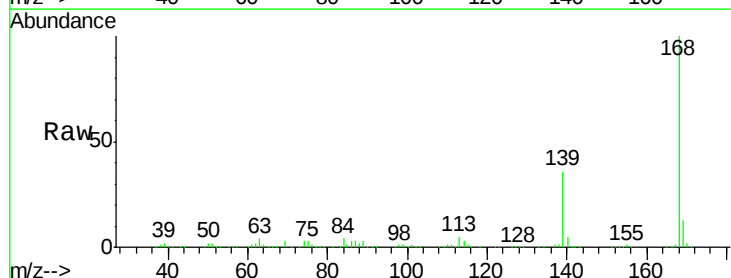
Tgt Ion:109 Resp: 3514

Ion Ratio Lower Upper

109 100

139 8751.0 99.7 149.5#

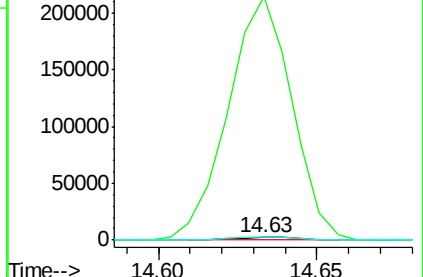
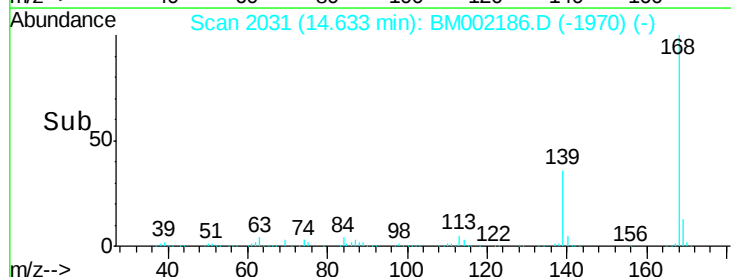
65 117.4 93.9 140.9

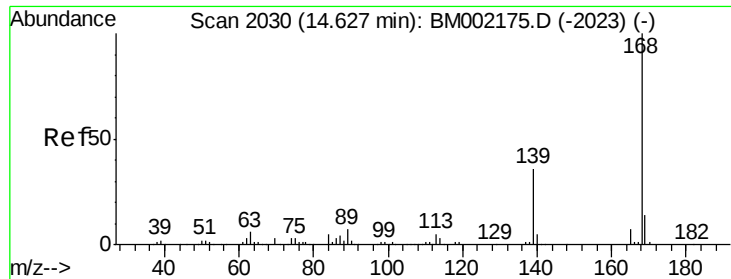


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM

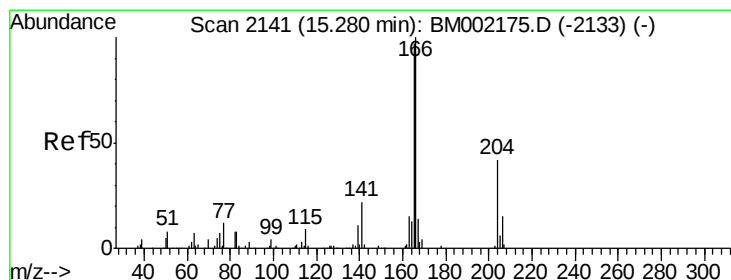
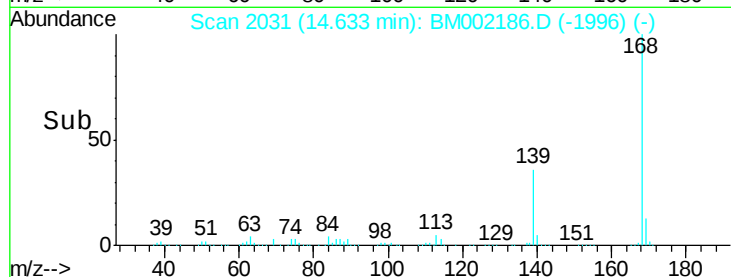
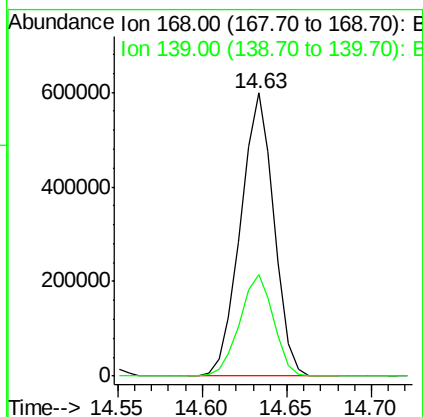
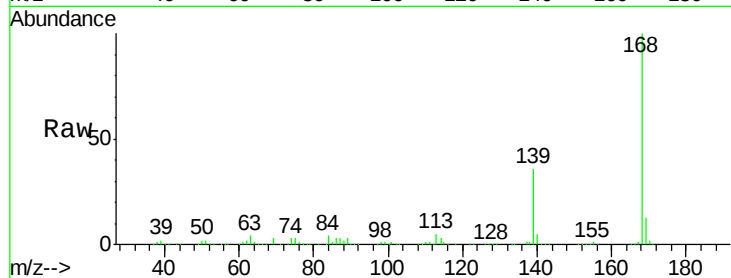




#54
Dibenzofuran
Concen: 34.46 ng/ul
RT: 14.63 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

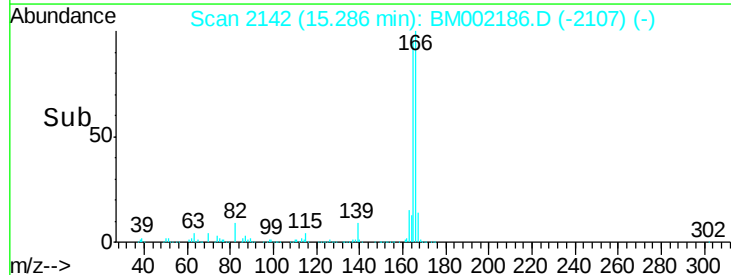
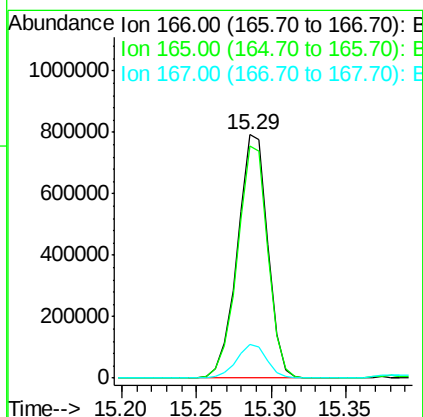
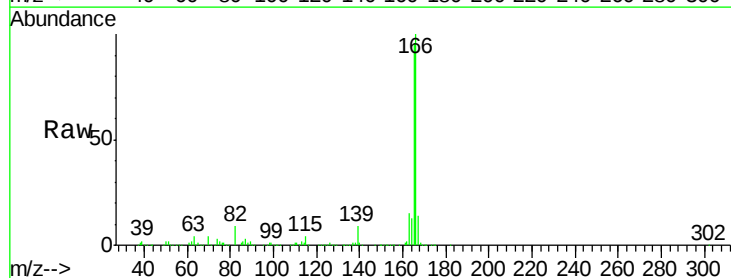
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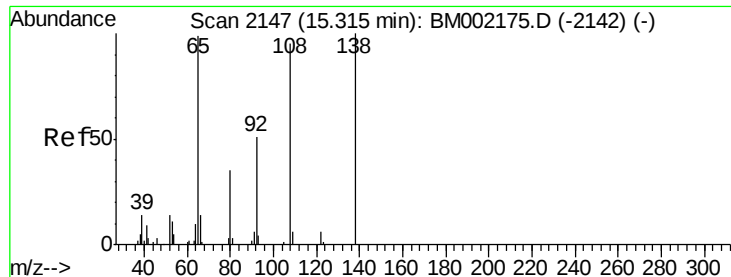
Tgt Ion:168 Resp: 823660
Ion Ratio Lower Upper
168 100
139 35.8 28.2 42.2



#59
Fluorene
Concen: 56.40 ng/ul
RT: 15.29 min Scan# 2142
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:166 Resp: 1114288
Ion Ratio Lower Upper
166 100
165 95.6 75.6 113.4
167 13.9 10.5 15.7

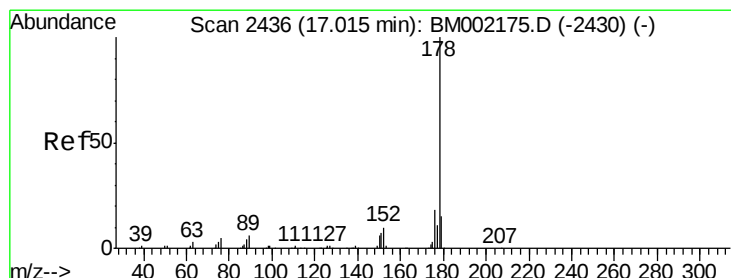
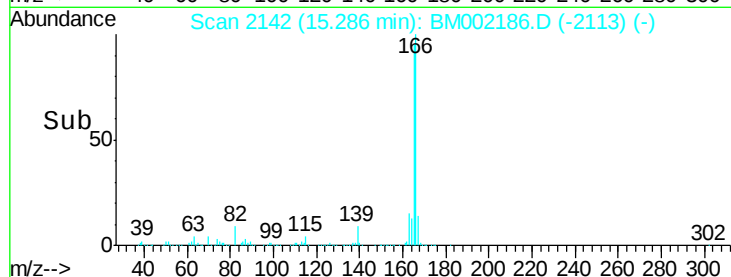
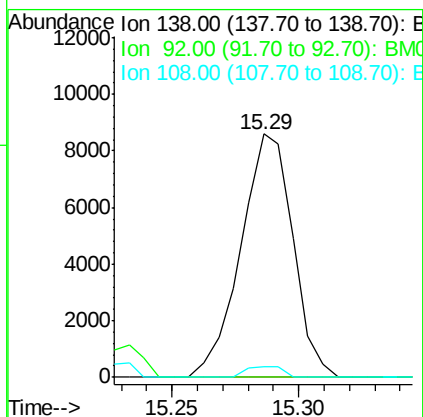
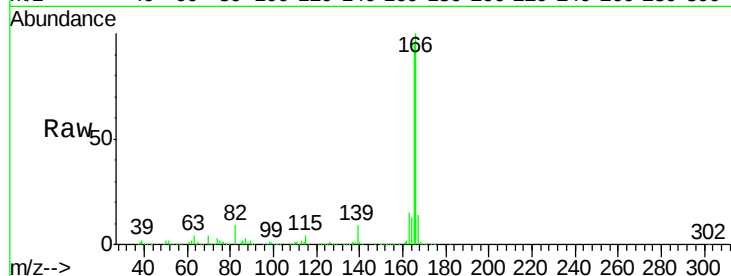




#61
 4-Nitroaniline
 Concen: 3.24 ng/ul
 RT: 15.29 min Scan# 2142
 Delta R.T. -0.03 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

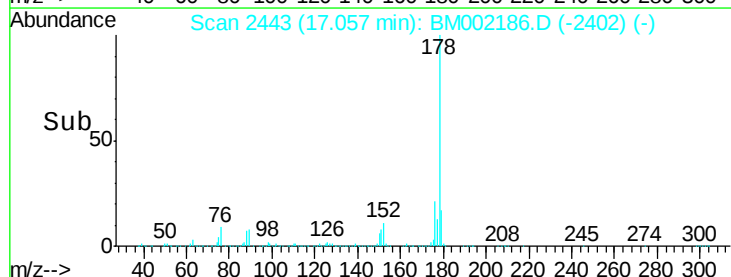
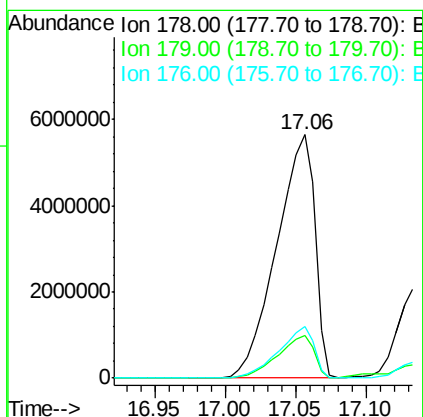
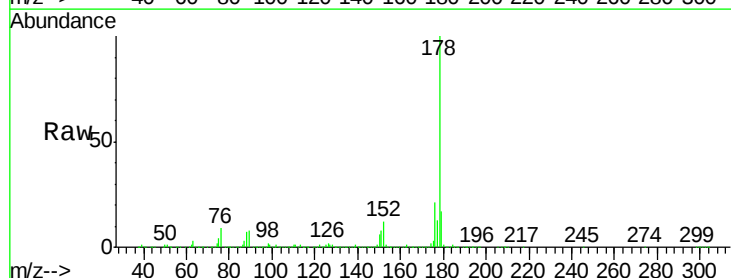
Instrument :
 BNA_M
 ClientSampleId :
 C01S2

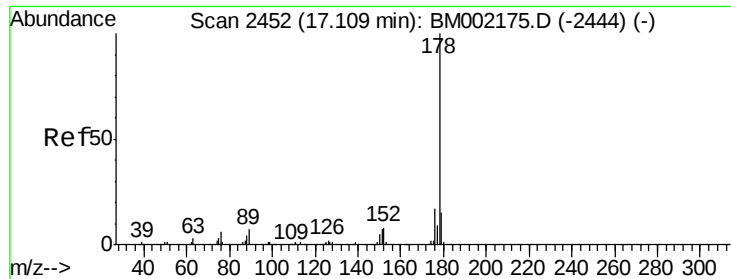
Tgt Ion:138 Resp: 12323
 Ion Ratio Lower Upper
 138 100
 92 0.0 40.3 60.5#
 108 4.3 70.8 106.2#



#70
 Phenanthrene
 Concen: 359.57 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.04 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Tgt Ion:178 Resp:10675027
 Ion Ratio Lower Upper
 178 100
 179 17.5 12.5 18.7
 176 21.0 14.2 21.4





#72

Anthracene

Concen: 85.86 ng/ul

RT: 17.13 min Scan# 2456

Delta R.T. 0.02 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

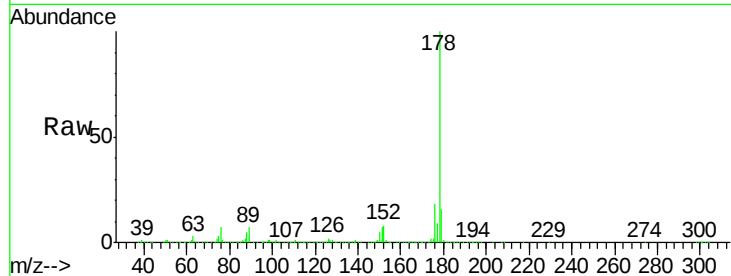
Tgt Ion:178 Resp: 2605850

Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

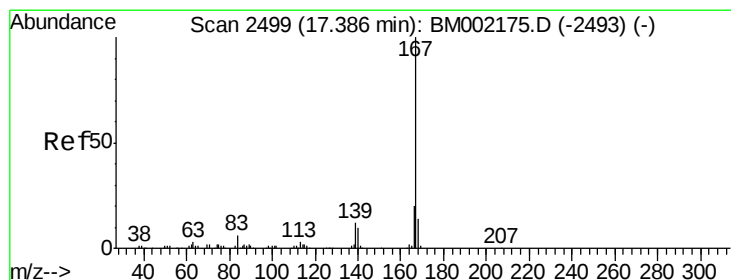
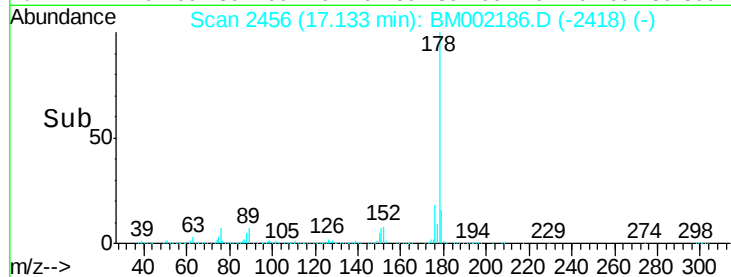
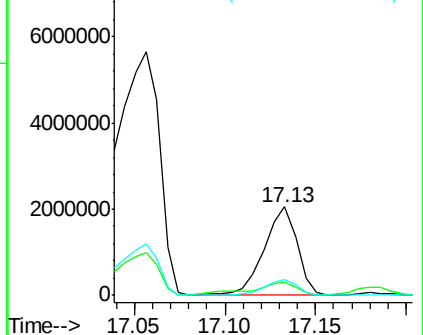
176 17.7 14.1 21.1



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: 51.18 ng/ul

RT: 17.40 min Scan# 2502

Delta R.T. 0.02 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

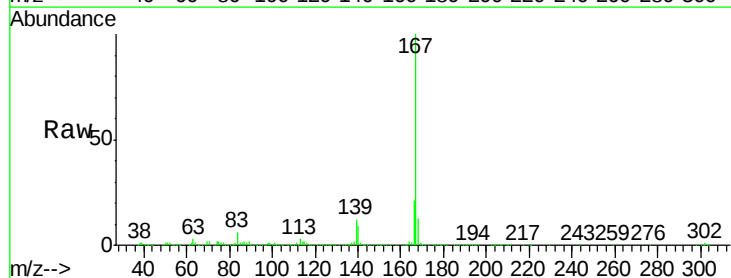
Tgt Ion:167 Resp: 1326733

Ion Ratio Lower Upper

167 100

166 20.7 16.2 24.4

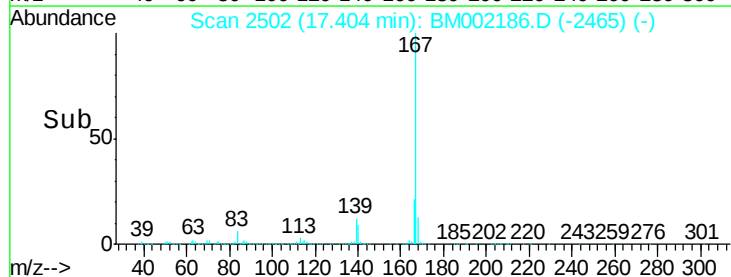
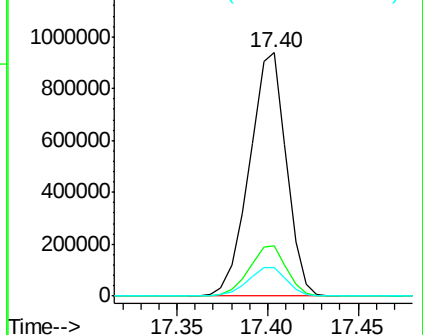
139 11.7 9.6 14.4

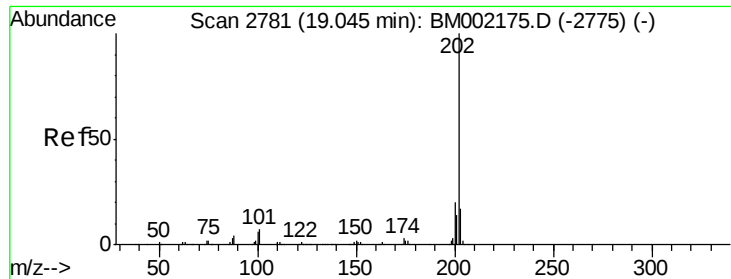


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 1.18 ng/ul

RT: 19.21 min Scan# 2809

Delta R.T. 0.16 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

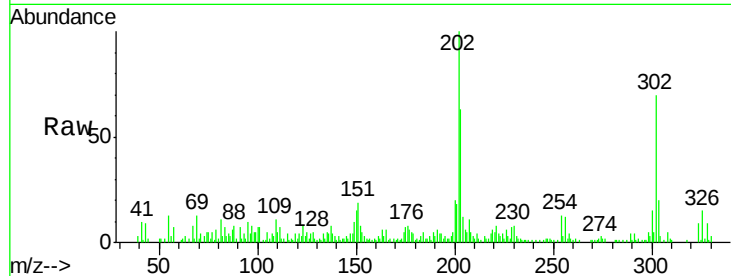
Tgt Ion:202 Resp: 40543

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

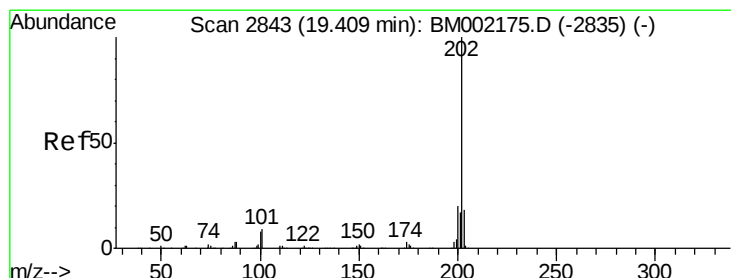
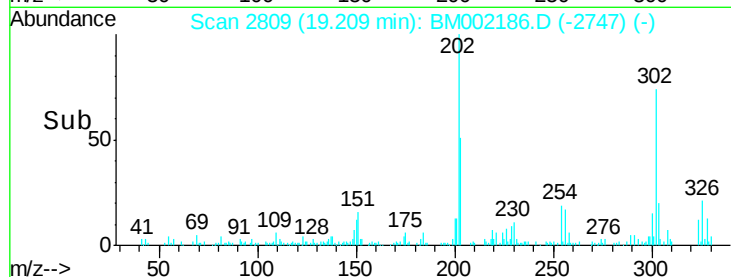
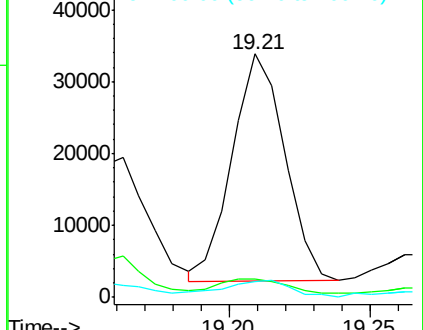
100 6.6 5.2 7.8



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: 387.78 ng/ul

RT: 19.45 min Scan# 2850

Delta R.T. 0.04 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

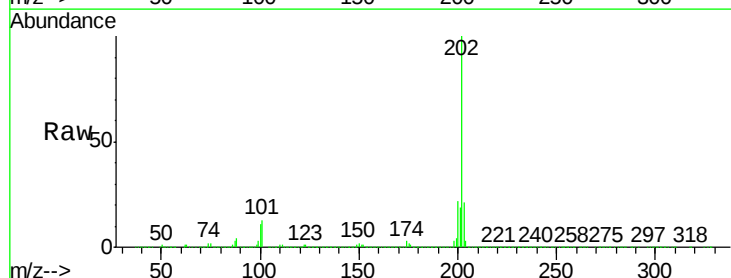
Tgt Ion:202 Resp:10832851

Ion Ratio Lower Upper

202 100

101 12.9 7.4 11.2#

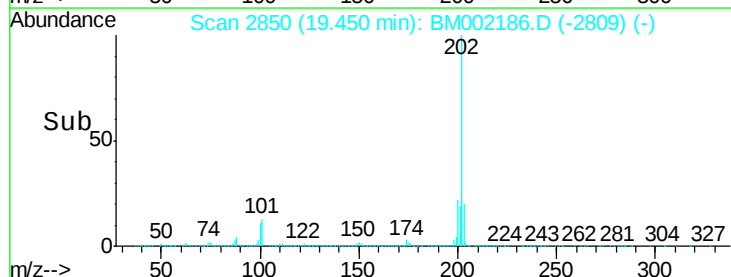
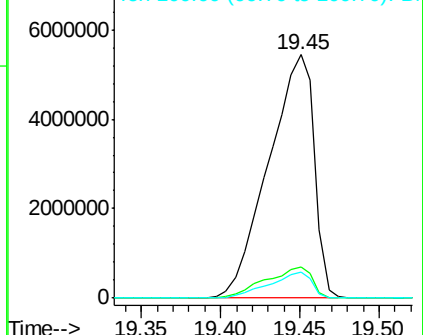
100 10.6 6.3 9.5#

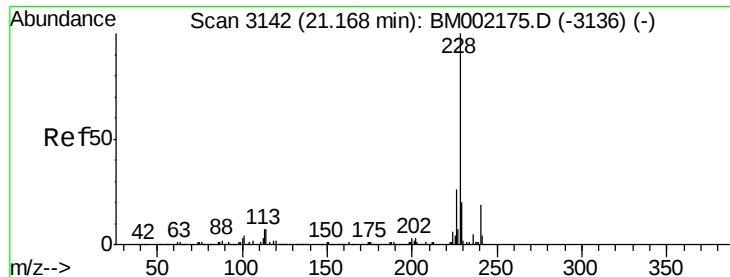


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

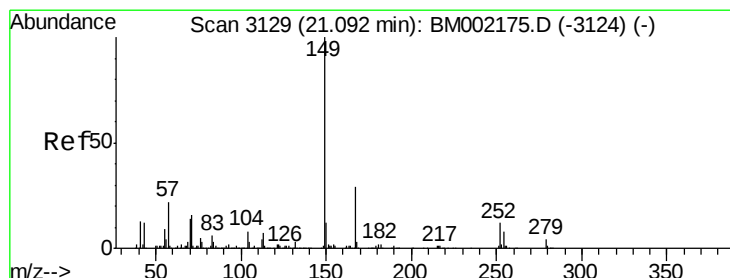
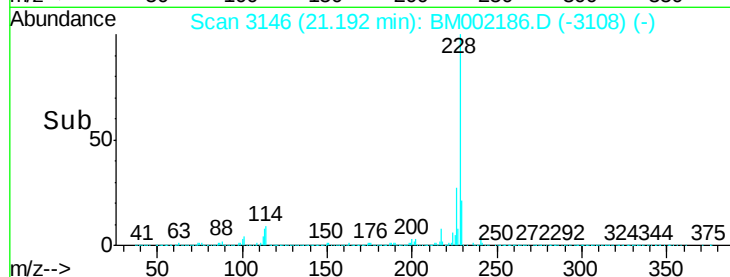
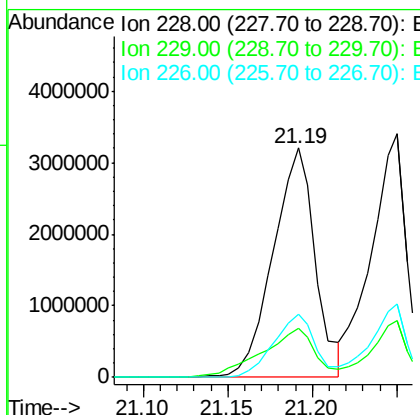
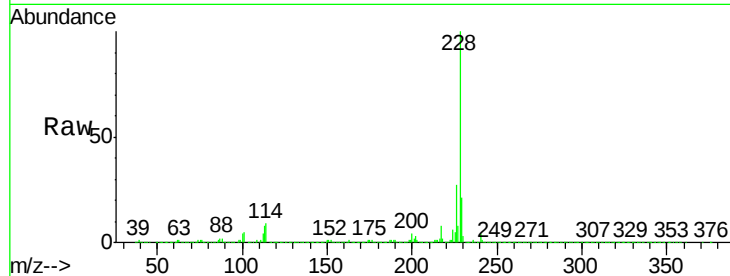




#83
Benzo(a)anthracene
Concen: 193.97 ng/ul
RT: 21.19 min Scan# 3146
Delta R.T. 0.02 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

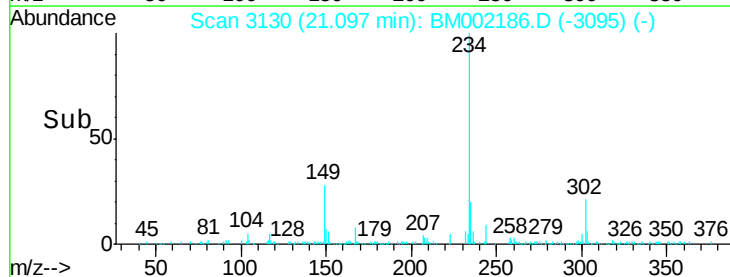
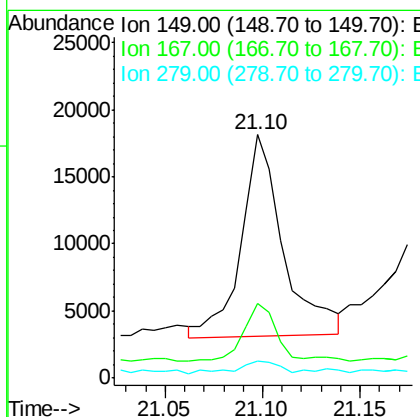
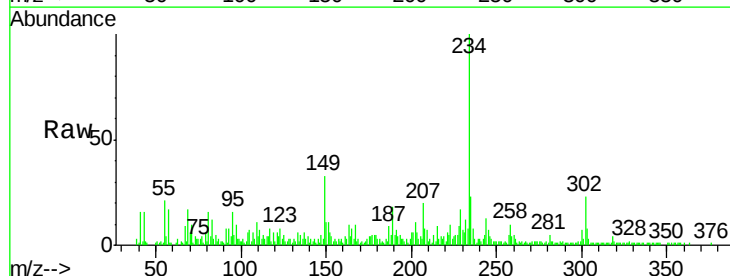
Instrument :
BNA_M
ClientSampleId :
C01S2

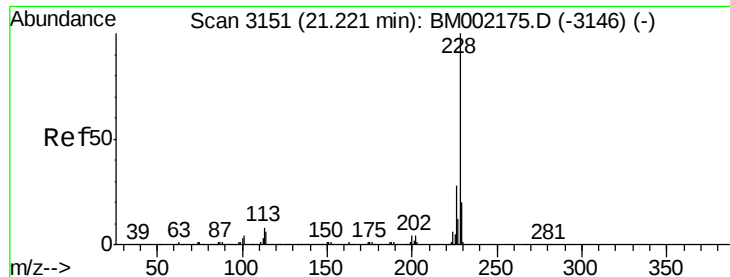
Tgt Ion:228 Resp: 5520315
Ion Ratio Lower Upper
228 100
229 21.2 15.4 23.2
226 27.5 20.5 30.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.37 ng/ul
RT: 21.10 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:149 Resp: 22456
Ion Ratio Lower Upper
149 100
167 30.7 23.6 35.4
279 7.1 4.2 6.4#





#85

Chrysene

Concen: 207.33 ng/u1

RT: 21.19 min Scan# 3146

Delta R.T. -0.03 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampled :

C01S2

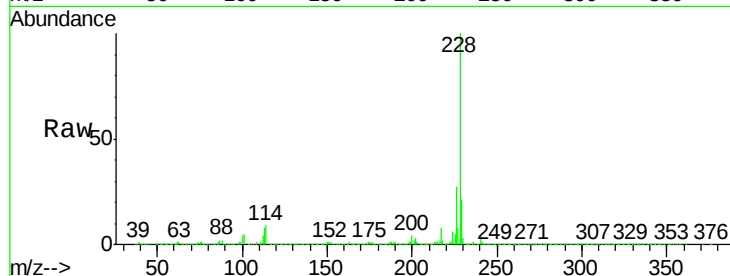
Tgt Ion:228 Resp: 5520315

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

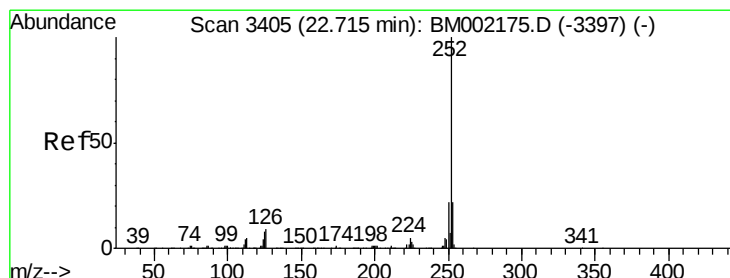
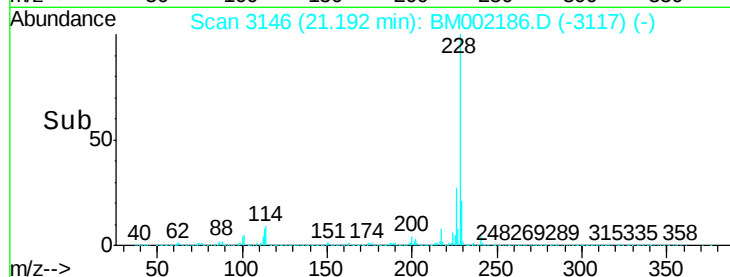
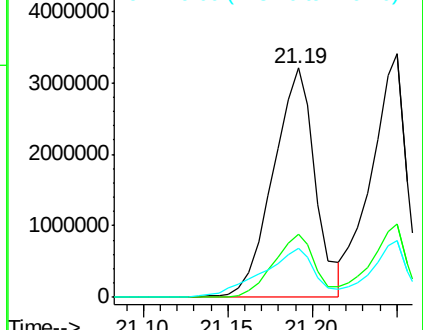
229 21.2 15.5 23.3



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: 244.44 ng/u1

RT: 22.76 min Scan# 3413

Delta R.T. 0.05 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

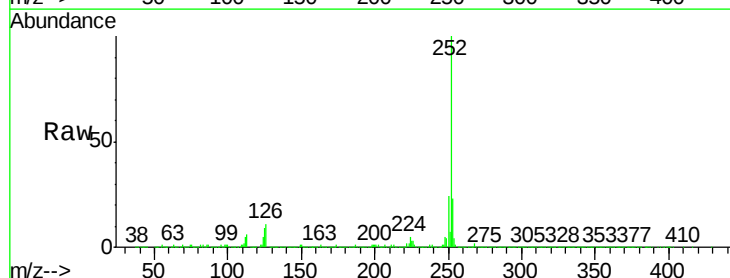
Tgt Ion:252 Resp: 6328219

Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

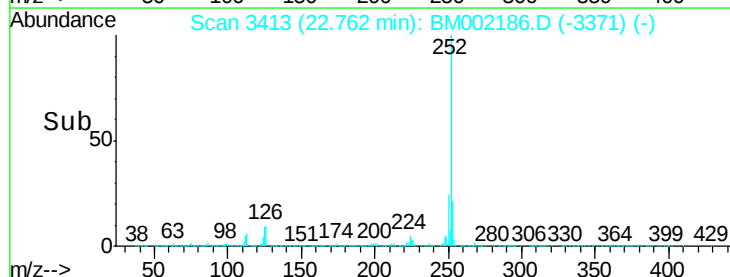
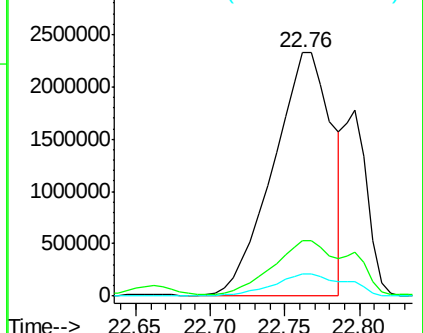
125 9.1 6.2 9.2

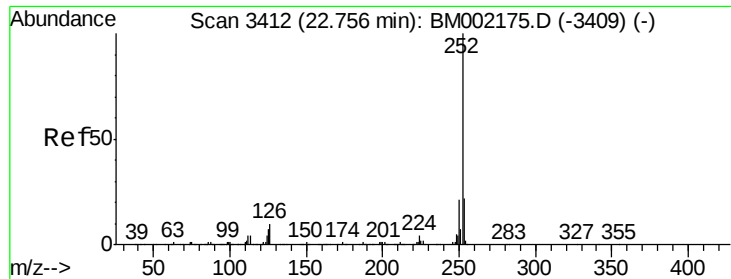


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

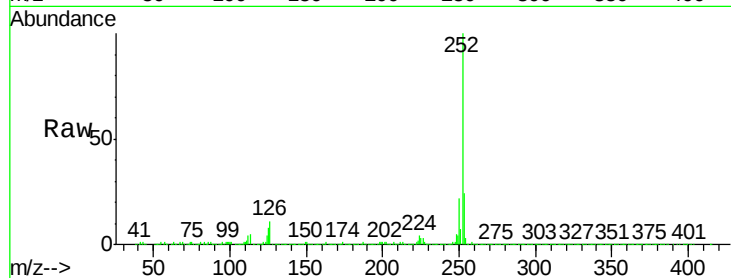




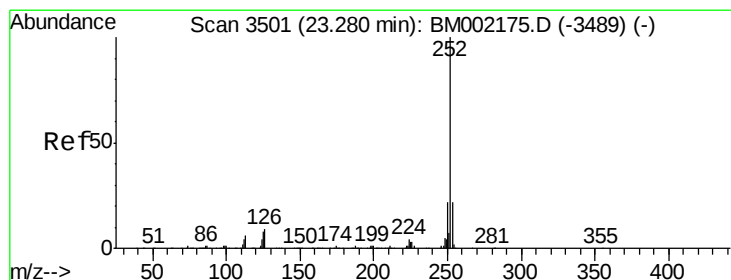
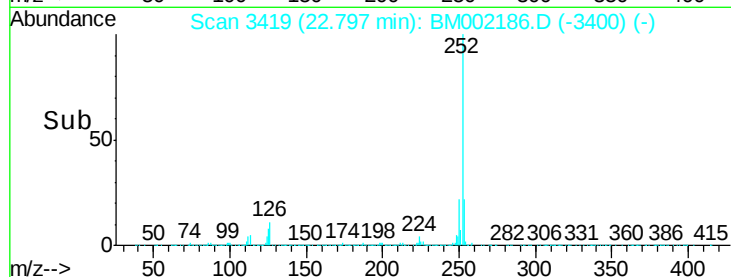
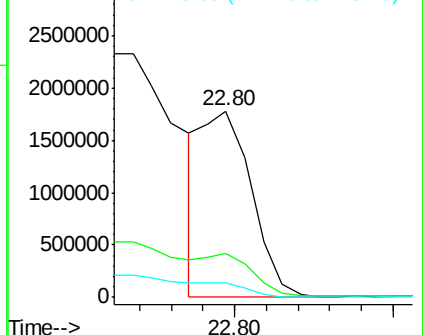
#89
Benzo(k)fluoranthene
Concen: 76.28 ng/ul
RT: 22.80 min Scan# 3419
Delta R.T. 0.04 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion:252 Resp: 1905512
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.0
125 7.9 6.2 9.4

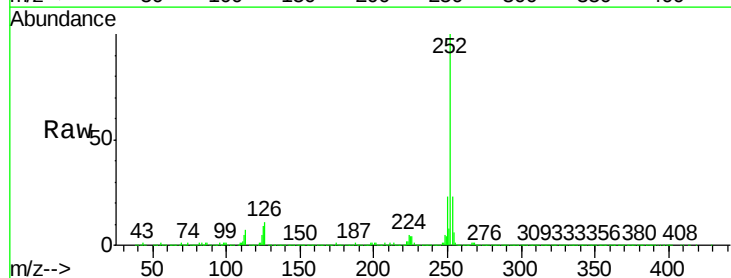


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

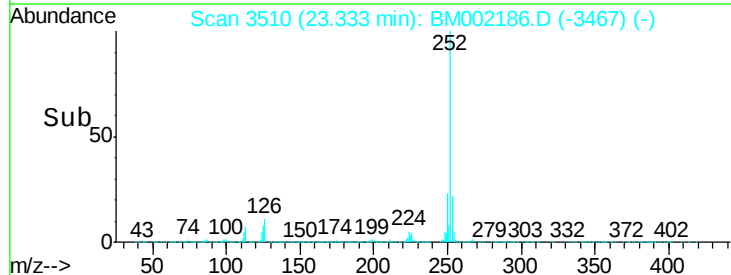
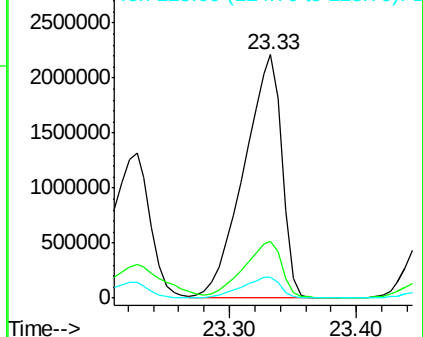


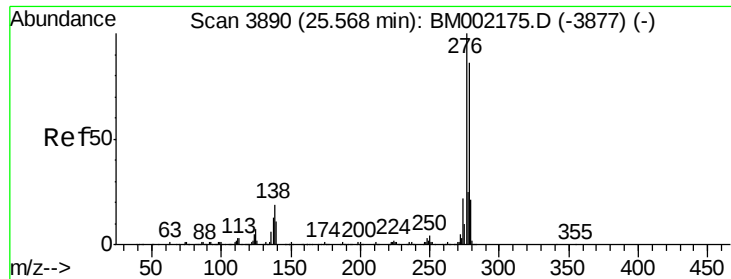
#91
Benzo(a)pyrene
Concen: 182.93 ng/ul
RT: 23.33 min Scan# 3510
Delta R.T. 0.05 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:252 Resp: 4571341
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 8.6 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: 101.66 ng/ul

RT: 25.66 min Scan# 3905

Delta R.T. 0.09 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

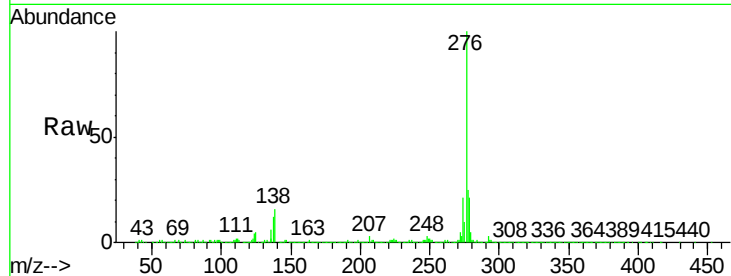
Tgt Ion:276 Resp: 2927378

Ion Ratio Lower Upper

276 100

138 16.3 16.2 24.2

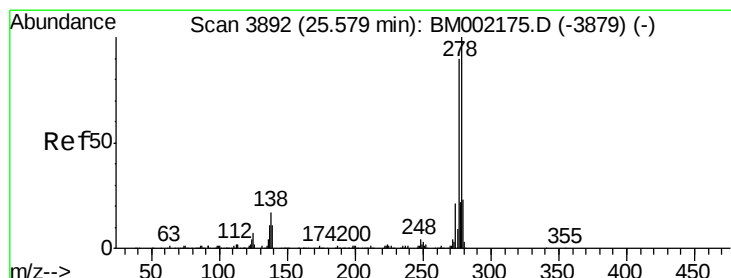
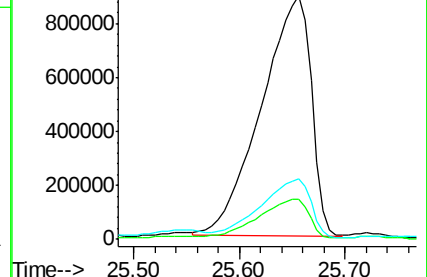
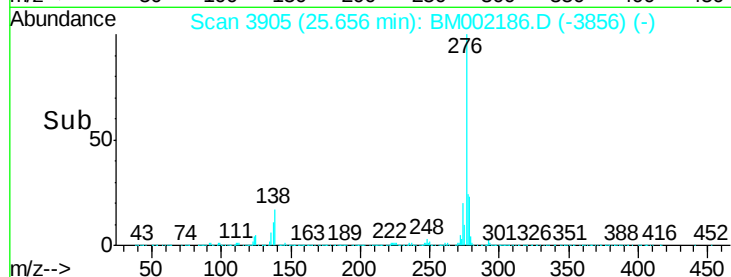
277 24.7 19.8 29.8



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: 29.85 ng/ul

RT: 25.64 min Scan# 3903

Delta R.T. 0.06 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

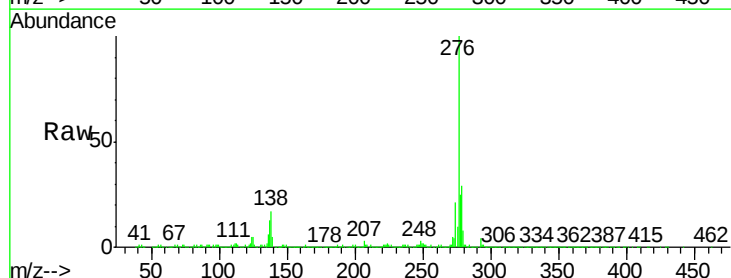
Tgt Ion:278 Resp: 735492

Ion Ratio Lower Upper

278 100

139 16.6 10.6 16.0#

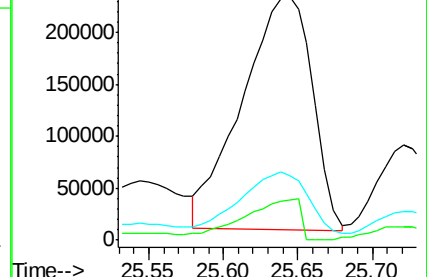
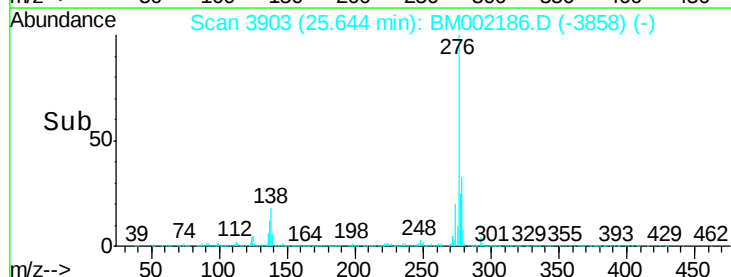
279 26.3 18.5 27.7

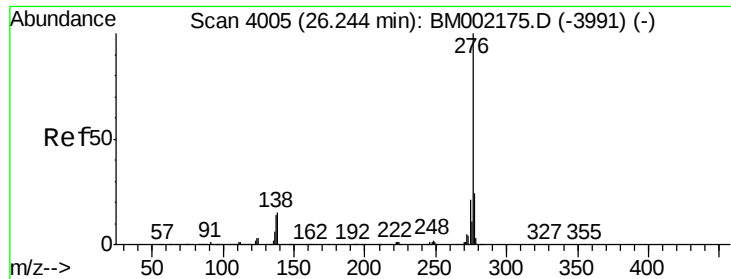


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 111.32 ng/ul

RT: 26.35 min Scan# 4023

Delta R.T. 0.11 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

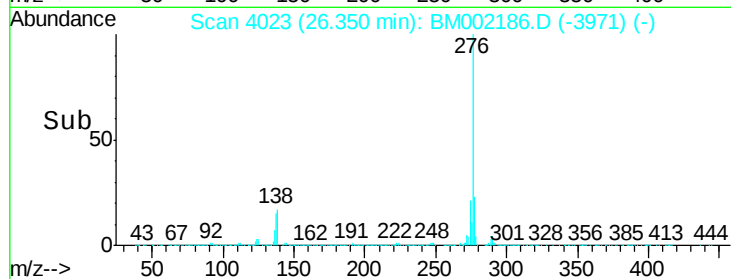
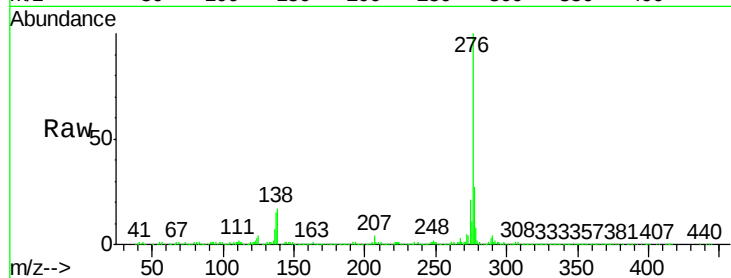
Tgt Ion:276 Resp: 2687123

Ion Ratio Lower Upper

276 100

138 17.1 13.8 20.6

277 26.6 18.2 27.2



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

