

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121915\
 Data File : BM003645.D
 Acq On : 20 Dec 2015 07:25
 Operator : UM/SJ
 Sample : G4801-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9C65

Quant Time: Dec 21 07:29:50 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:26:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	43854	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	198005	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.36	164	128327	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.12	188	258787	20.00	ng/ul	0.02
78) Chrysene-d12	21.33	240	253605	20.00	ng/ul	0.03
86) Perylene-d12	23.57	264	252583	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	1269	1.56	ng/uL	0.00
5) Phenol-d5	6.87	99	35176	9.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	25533	12.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	33053	10.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	16171	5.05	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	21540	15.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	19723	12.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.12	165	32543	11.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	42488	10.82	ng/ul	0.03
44) Dimethylphthalate-d6	13.77	166	115642	10.90	ng/ul	0.01
47) Acenaphthylene-d8	14.06	160	145460	12.05	ng/ul	0.02
52) 4-Nitrophenol-d4	14.58	143	29626	14.34	ng/ul	0.02
58) Fluorene-d10	15.37	176	107748	12.28	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.47	200	914	0.63	ng/ul	0.00
71) Anthracene-d10	17.23	188	171780	14.59	ng/ul	0.03
79) Pyrene-d10	19.53	212	184225	16.63	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.43	264	167999	13.39	ng/ul	0.03

Target Compounds

						Qvalue
4) Benzaldehyde	6.85	77	42077	19.74	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.13	93	2900	1.01	ng/ul#	58
14) Acetophenone	8.50	105	46298	9.26	ng/ul#	36
17) Hexachloroethane	8.76	117	4327	3.63	ng/ul#	7
20) Nitrobenzene	8.90	77	6011	1.81	ng/ul#	30
25) Bis(2-Chloroethoxy)methane	9.90	93	5194	1.30	ng/ul#	84
28) Naphthalene	10.57	128	5302138	519.74	ng/ul	98
32) Caprolactam	11.41	113	3545	3.10	ng/ul#	1
34) 2-Methylnaphthalene	12.20	142	4103192	538.58	ng/ul	100
35) 1-Methylnaphthalene	12.43	142	3717023	513.63	ng/ul	100
41) 1,1'-Biphenyl	13.19	154	181192	17.38	ng/ul	99
45) Dimethylphthalate	13.82	163	70955	6.54	ng/ul	96
48) Acenaphthylene	14.09	152	1461695	110.71	ng/ul#	90
50) Acenaphthene	14.44	153	1735181	196.78	ng/ul	98
51) 2,4-Dinitrophenol	14.48	184	2773	2.47	ng/ul#	1
54) Dibenzofuran	14.76	168	388737	30.89	ng/ul#	77
55) 2,4-Dinitrotoluene	14.72	165	31135	9.70	ng/ul#	54
59) Fluorene	15.43	166	1693147	167.60	ng/ul	96
61) 4-Nitroaniline	15.43	138	21869	8.35	ng/ul#	36
65) N-Nitrosodiphenylamine	15.63	169	191788	25.32	ng/ul#	67
70) Phenanthrene	17.20	178	6620831	462.50	ng/ul	98
72) Anthracene	17.27	178	2327202	159.40	ng/ul	98
75) Carbazole	17.53	167	47863	3.59	ng/ul#	14

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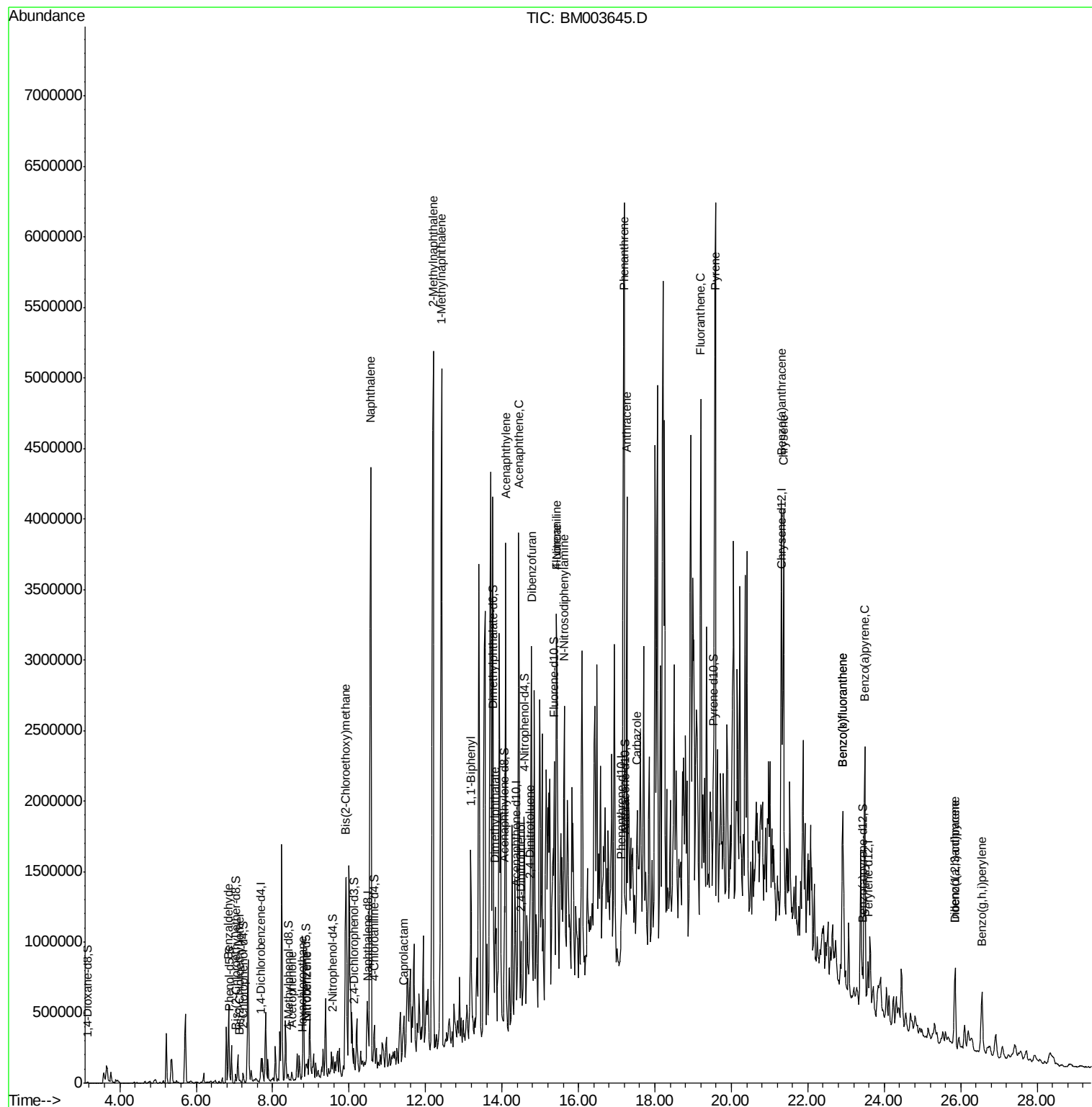
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Fluoranthene	19.21	202	2773944	168.57	ng/ul	95
80) Pyrene	19.59	202	5306136	363.55	ng/ul#	93
83) Benzo(a)anthracene	21.31	228	1839955	120.36	ng/ul#	83
85) Chrysene	21.37	228	1893227	128.42	ng/ul#	92
88) Benzo(b)fluoranthene	22.91	252	1491078	97.92	ng/ul	98
89) Benzo(k)fluoranthene	22.91	252	1402258	97.20	ng/ul	97
91) Benzo(a)pyrene	23.49	252	1447840	99.41	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.86	276	518706	33.09	ng/ul	95
93) Dibenzo(a,h)anthracene	25.85	278	194596	14.80	ng/ul#	85
94) Benzo(g,h,i)perylene	26.56	276	565924	43.95	ng/ul	99

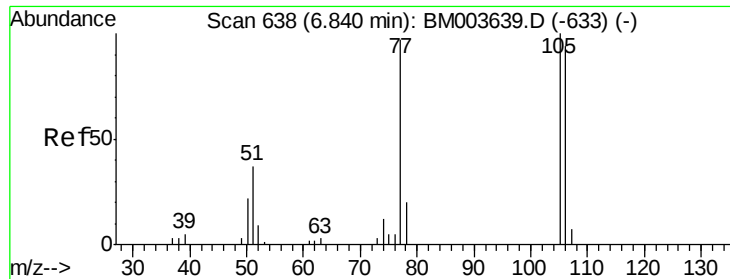
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 19.74 ng/ul

RT: 6.85 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

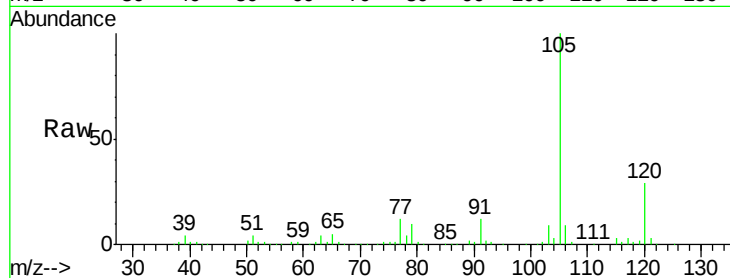
Tgt Ion: 77 Resp: 42077

Ion Ratio Lower Upper

77 100

105 827.1 80.6 120.8#

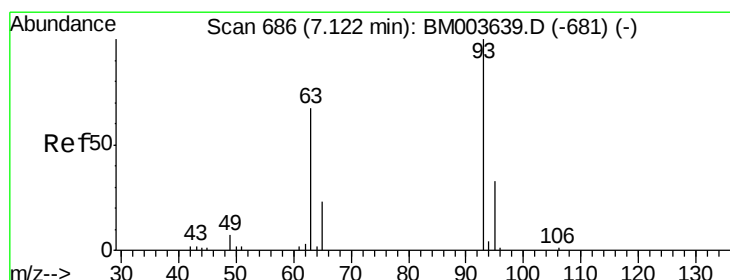
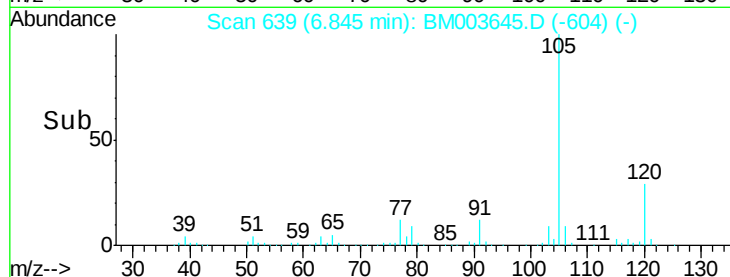
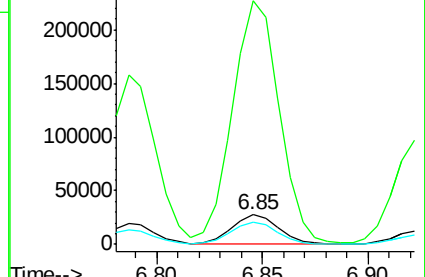
106 74.1 77.7 116.5#



Abundance Ion 77.00 (76.70 to 77.70): BM003639.D (-633) (-)

Ion 105.00 (104.70 to 105.70): BM003639.D (-633) (-)

Ion 106.00 (105.70 to 106.70): BM003639.D (-633) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 1.01 ng/ul

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

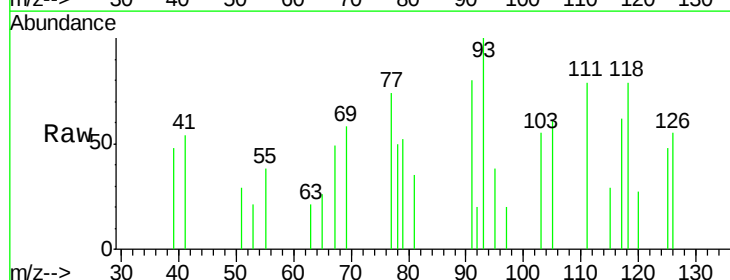
Tgt Ion: 93 Resp: 2900

Ion Ratio Lower Upper

93 100

63 21.2 53.5 80.3#

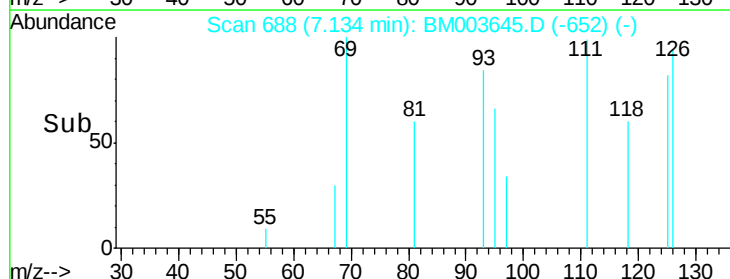
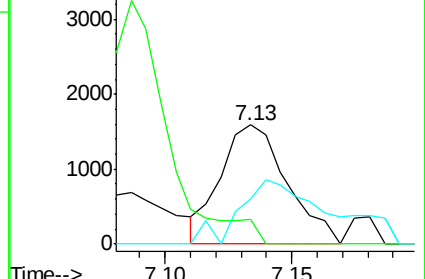
95 38.4 26.2 39.2

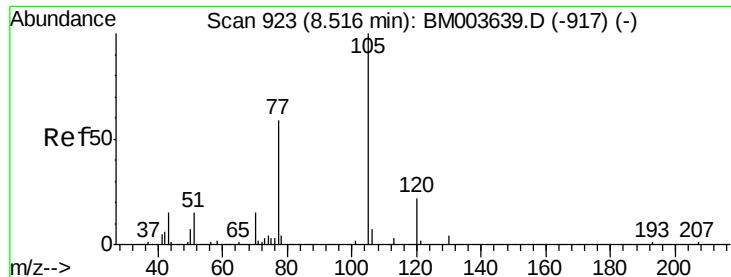


Abundance Ion 93.00 (92.70 to 93.70): BM003639.D (-681) (-)

Ion 63.00 (62.70 to 63.70): BM003639.D (-681) (-)

Ion 95.00 (94.70 to 95.70): BM003639.D (-681) (-)





#14

Acetophenone

Concen: 9.26 ng/ul

RT: 8.50 min Scan# 920

Delta R.T. -0.02 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

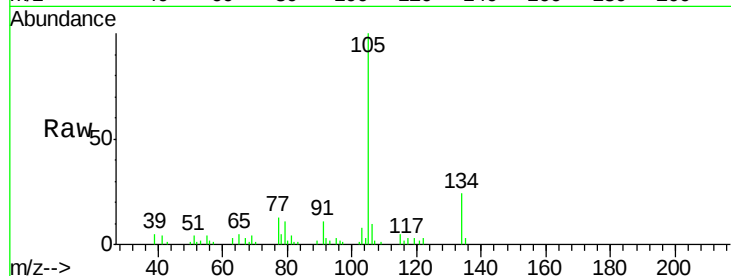
Tgt Ion:105 Resp: 46298

Ion Ratio Lower Upper

105 100

77 13.5 59.0 88.4#

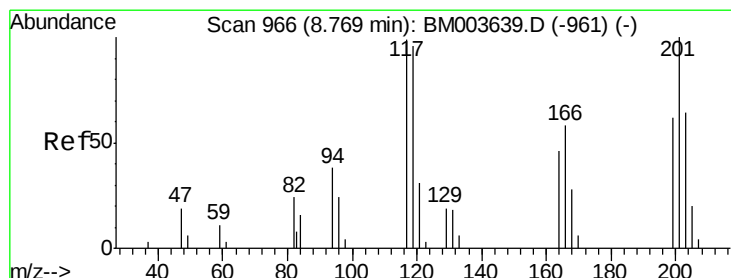
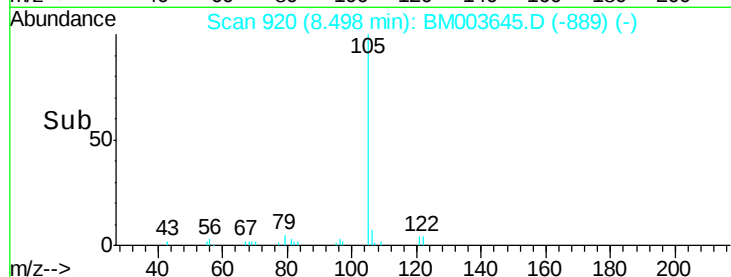
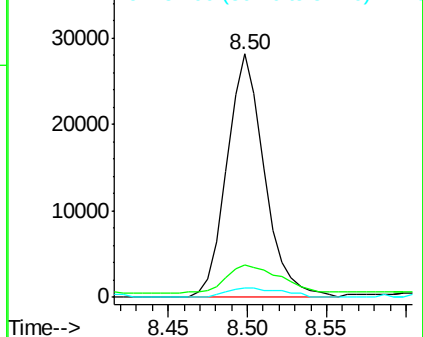
51 3.6 16.4 24.6#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 3.63 ng/ul

RT: 8.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

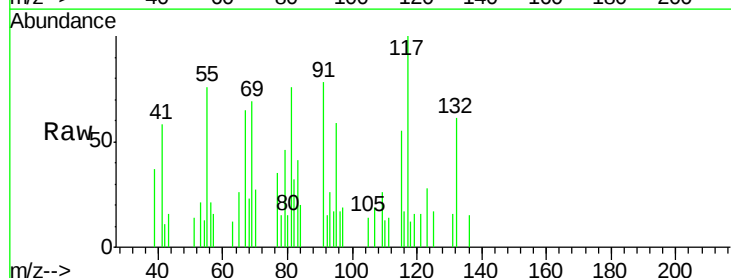
Tgt Ion:117 Resp: 4327

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

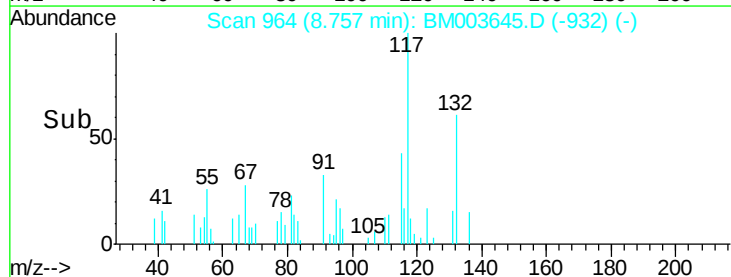
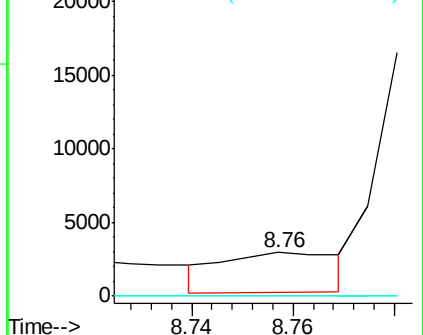
199 0.0 50.6 76.0#

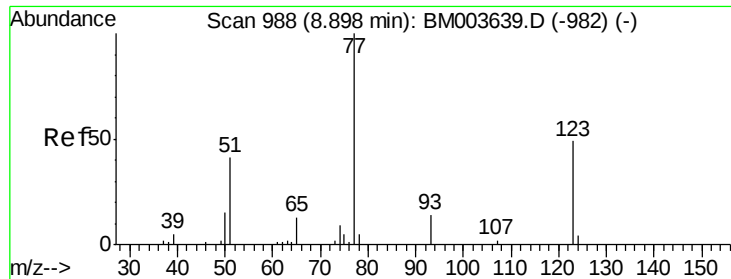


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

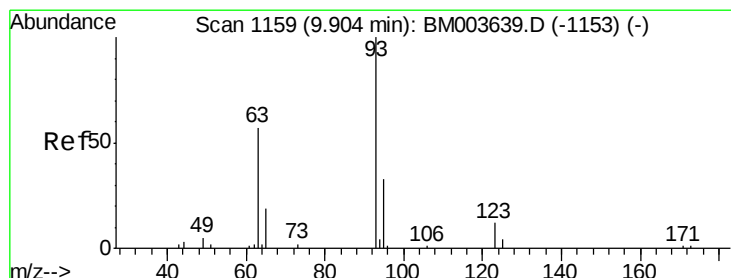
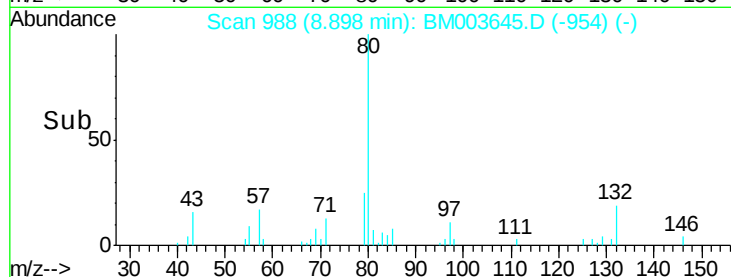
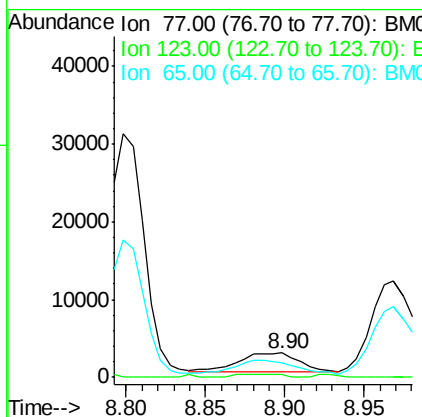
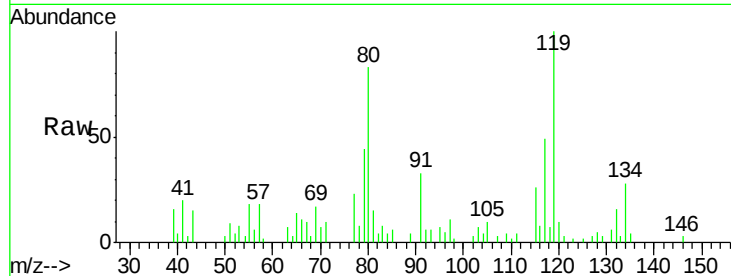




#20
 Nitrobenzene
 Concen: 1.81 ng/ul
 RT: 8.90 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BM003645.D
 Acq: 20 Dec 2015 07:25

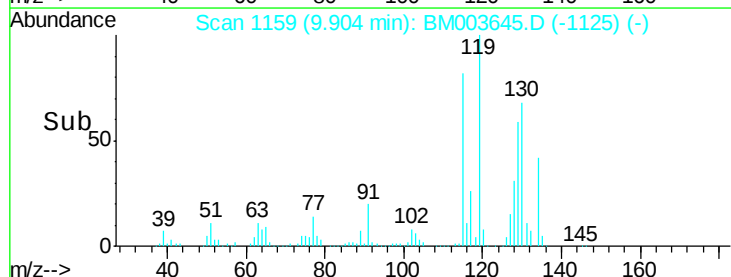
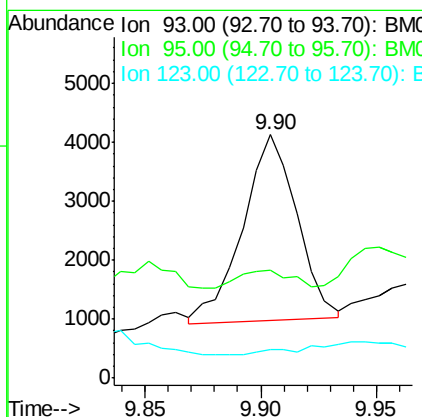
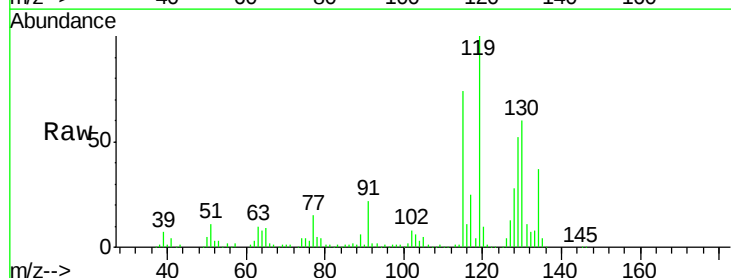
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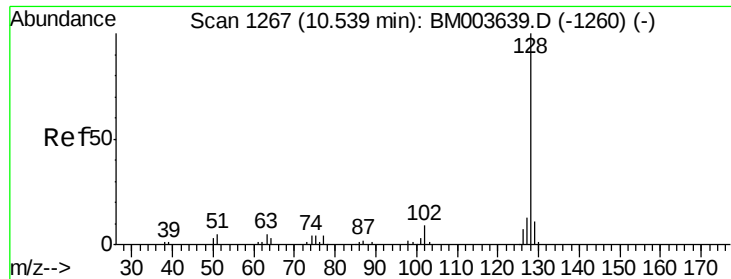
Tgt Ion: 77 Resp: 6011
 Ion Ratio Lower Upper
 77 100
 123 10.4 39.0 58.4#
 65 60.3 10.4 15.6#



#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.30 ng/ul
 RT: 9.90 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BM003645.D
 Acq: 20 Dec 2015 07:25

Tgt Ion: 93 Resp: 5194
 Ion Ratio Lower Upper
 93 100
 95 44.1 25.8 38.8#
 123 11.7 9.8 14.8

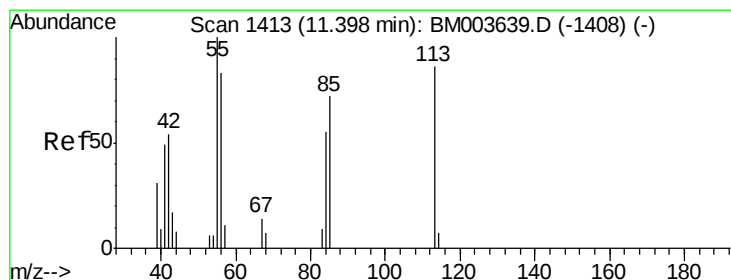
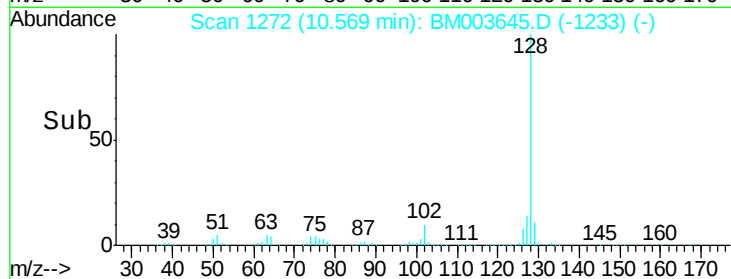
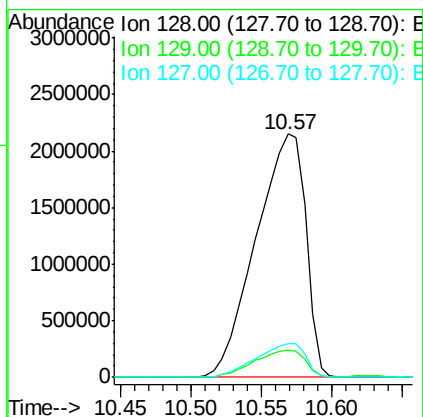
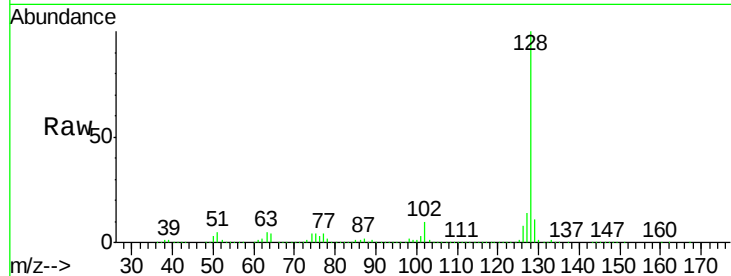




#28
Naphthalene
Concen: 519.74 ng/ul
RT: 10.57 min Scan# 1272
Delta R.T. 0.03 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

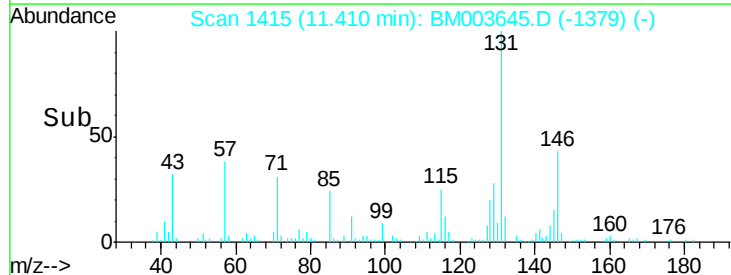
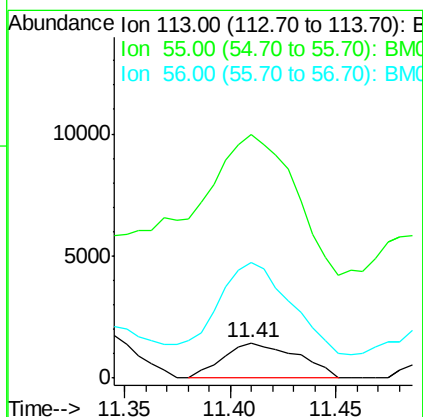
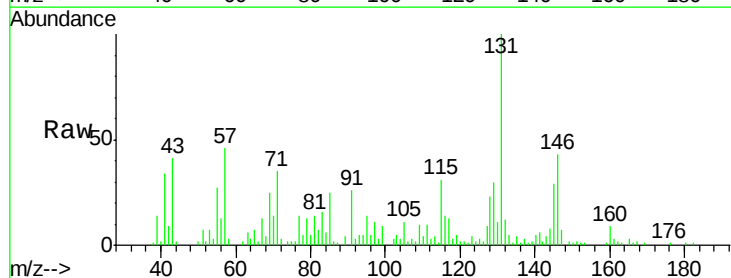
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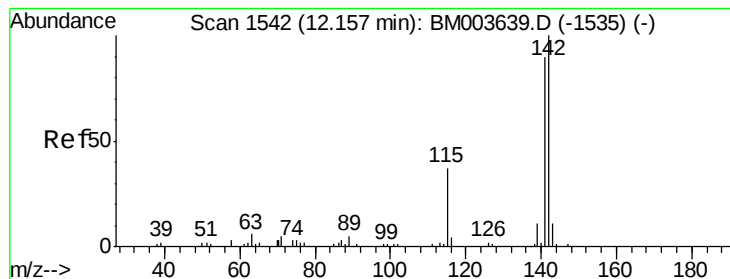
Tgt Ion:128 Resp: 5302138
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 14.1 10.5 15.7



#32
Caprolactam
Concen: 3.10 ng/ul
RT: 11.41 min Scan# 1415
Delta R.T. 0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion:113 Resp: 3545
Ion Ratio Lower Upper
113 100
55 686.6 101.9 152.9#
56 327.5 81.2 121.8#





#34

2-Methylnaphthalene

Concen: 538.58 ng/ul

RT: 12.20 min Scan# 1549

Delta R.T. 0.04 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

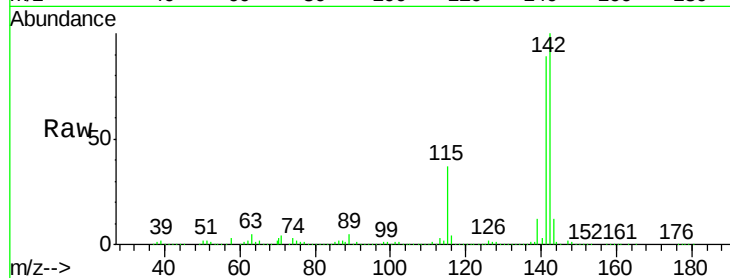
G9C65

Tgt Ion:142 Resp: 4103192

Ion Ratio Lower Upper

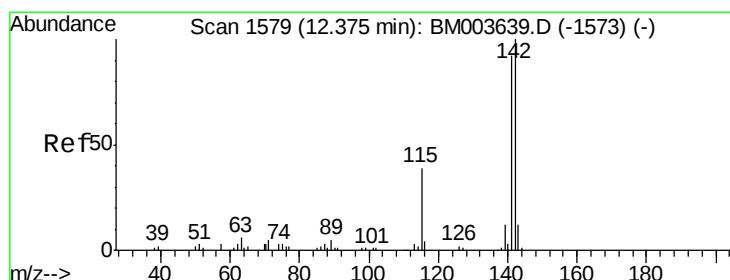
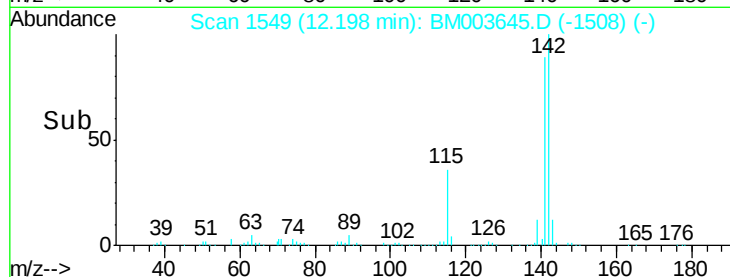
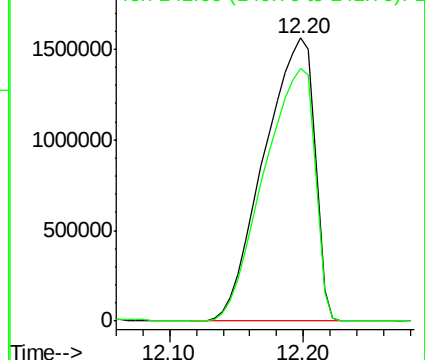
142 100

141 89.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 513.63 ng/ul

RT: 12.43 min Scan# 1588

Delta R.T. 0.05 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

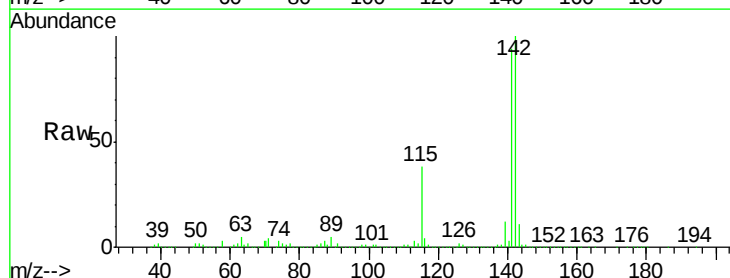
Tgt Ion:142 Resp: 3717023

Ion Ratio Lower Upper

142 100

141 93.6 74.9 112.3

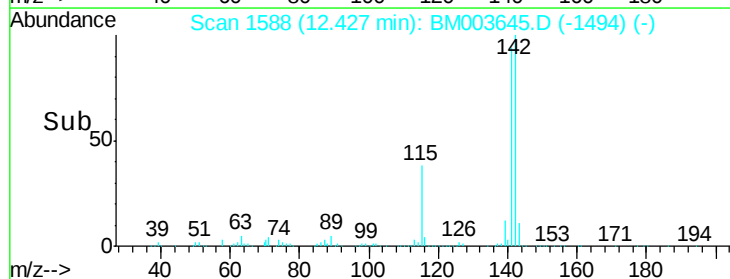
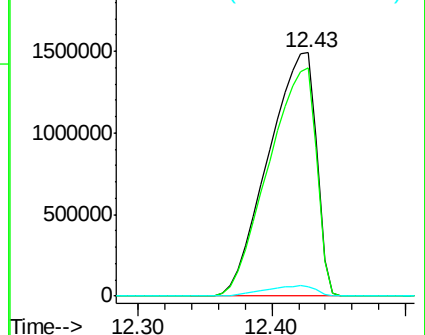
116 4.0 3.1 4.7

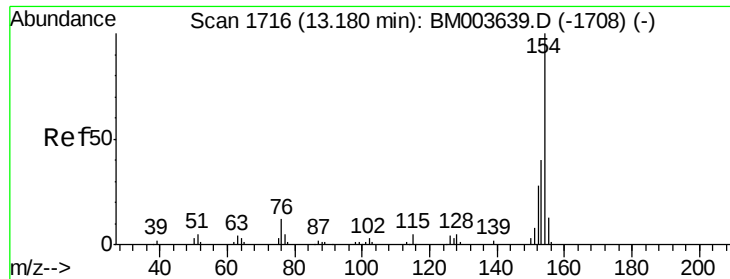


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

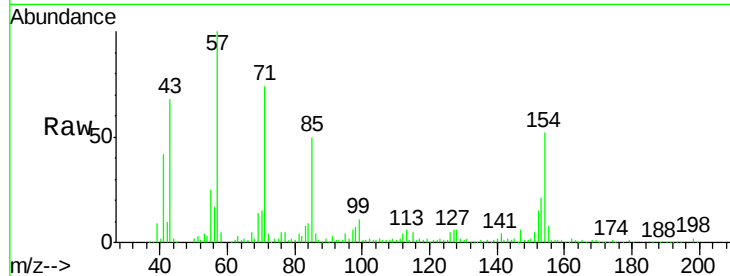




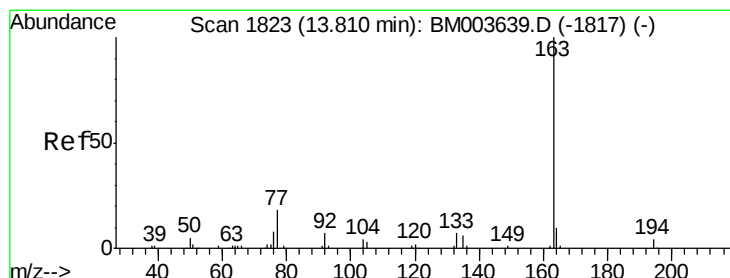
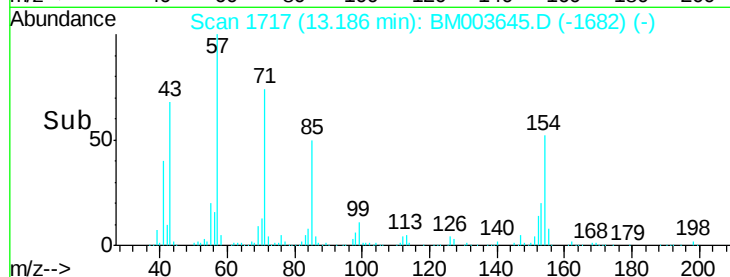
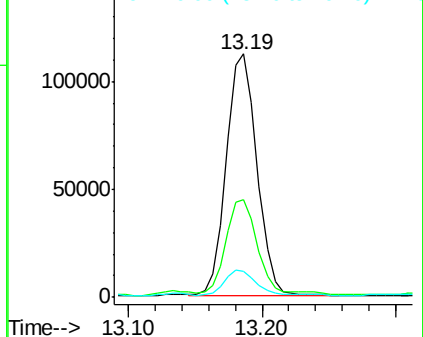
#41
 1,1'-Biphenyl
 Concen: 17.38 ng/ul
 RT: 13.19 min Scan# 1717
 Delta R.T. 0.01 min
 Lab File: BM003645.D
 Acq: 20 Dec 2015 07:25

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Tgt Ion:	154	Resp:	181192
Ion	Ratio	Lower	Upper
154	100		
153	40.1	32.1	48.1
76	10.6	9.5	14.3

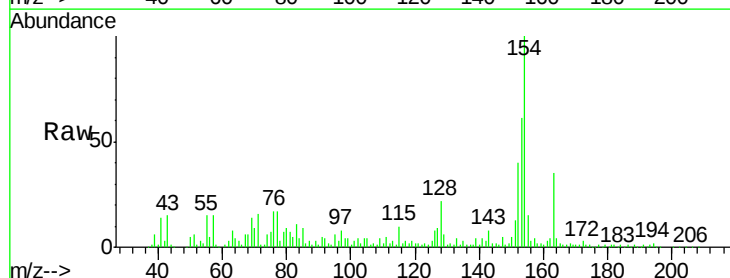


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

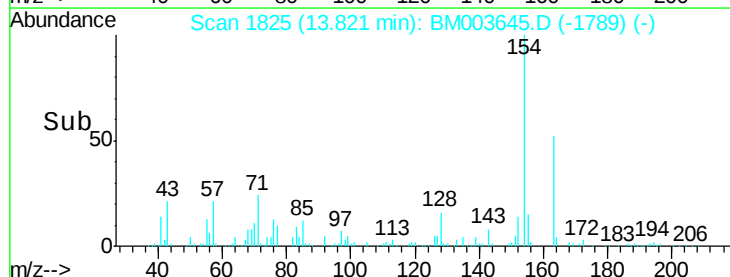
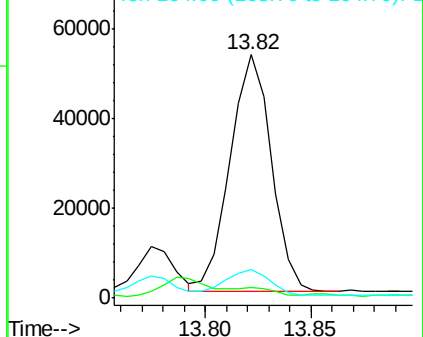


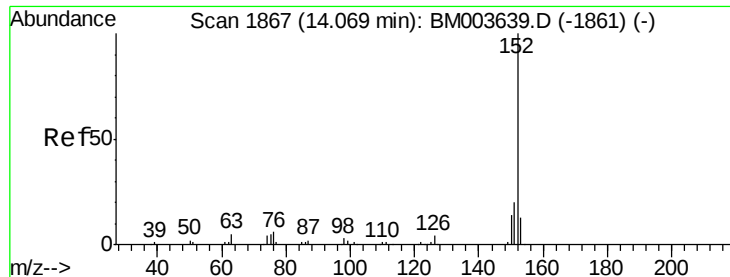
#45
 Dimethylphthalate
 Concen: 6.54 ng/ul
 RT: 13.82 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: BM003645.D
 Acq: 20 Dec 2015 07:25

Tgt Ion:	163	Resp:	70955
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.2	4.8
164	11.6	7.8	11.8



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: 110.71 ng/ul

RT: 14.09 min Scan# 1871

Delta R.T. 0.02 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

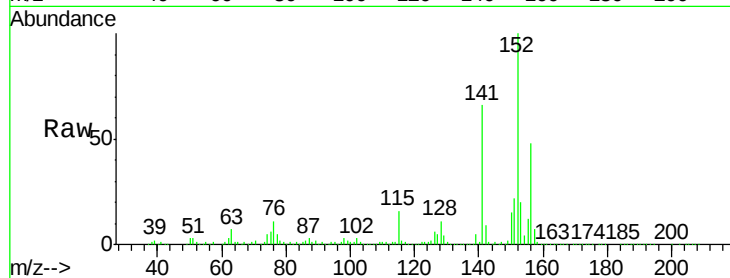
Tgt Ion:152 Resp: 1461695

Ion Ratio Lower Upper

152 100

151 21.6 15.7 23.5

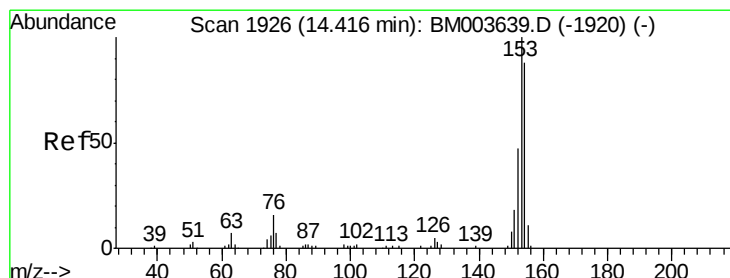
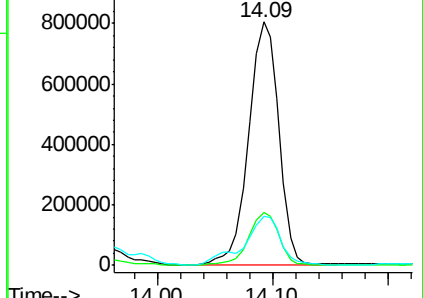
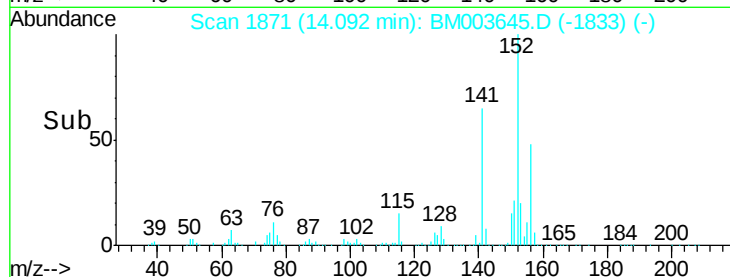
153 20.2 10.5 15.7#



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: 196.78 ng/ul

RT: 14.44 min Scan# 1930

Delta R.T. 0.02 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

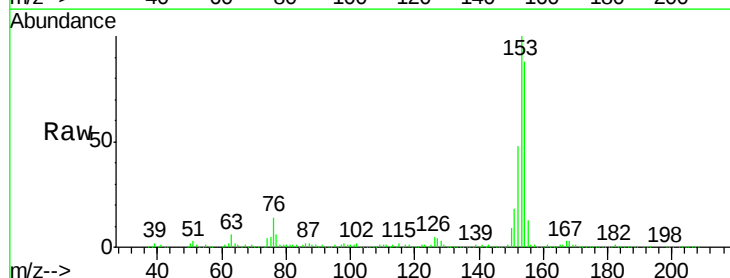
Tgt Ion:153 Resp: 1735181

Ion Ratio Lower Upper

153 100

152 48.1 38.3 57.5

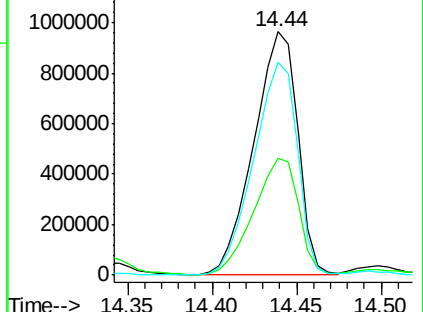
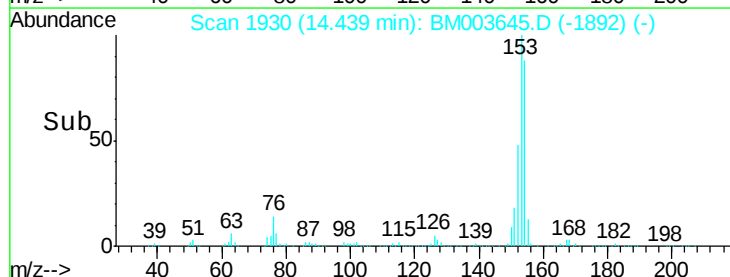
154 87.6 71.8 107.8

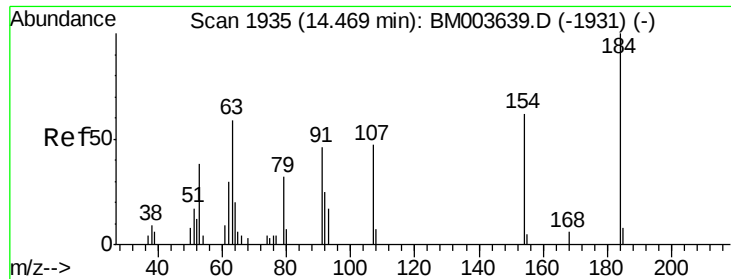


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

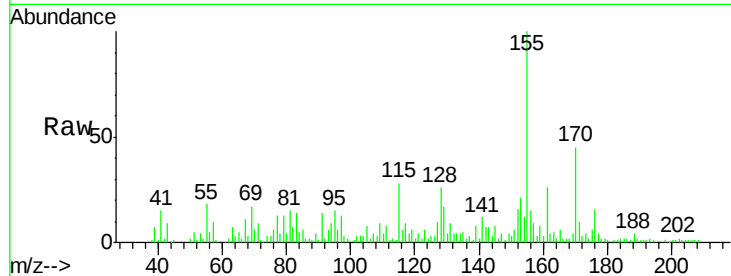




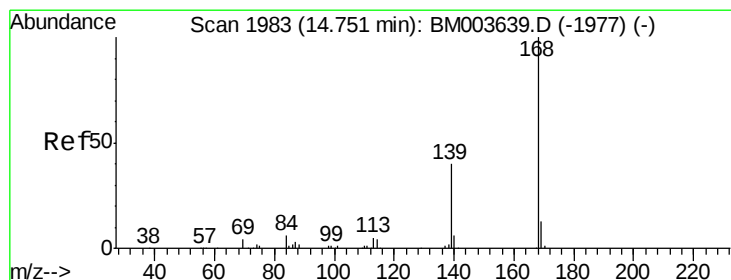
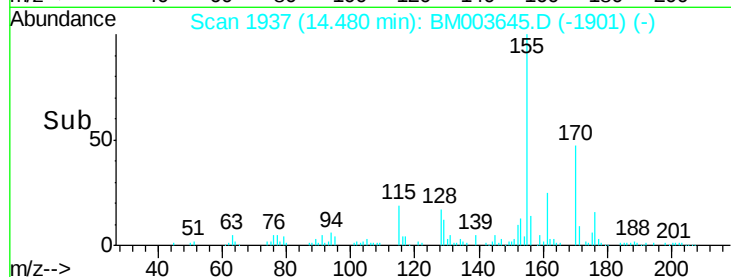
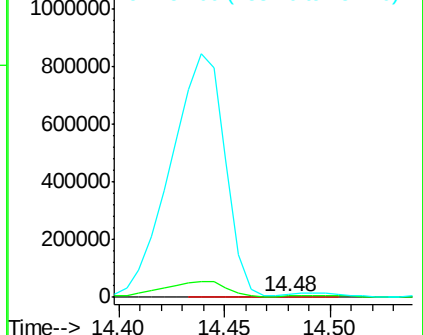
#51
2,4-Dinitrophenol
Concen: 2.47 ng/ul
RT: 14.48 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampleId :
G9C65

Tgt Ion:184 Resp: 2773
Ion Ratio Lower Upper
184 100
63 358.9 46.5 69.7#
154 627.7 54.6 82.0#

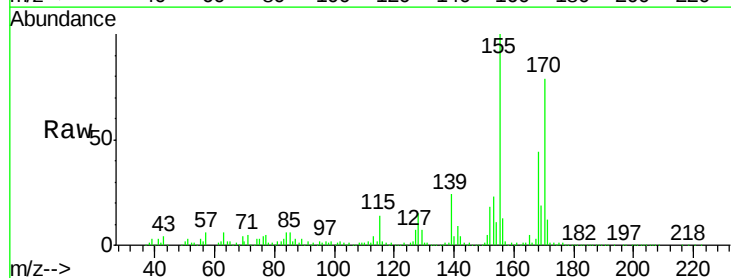


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E

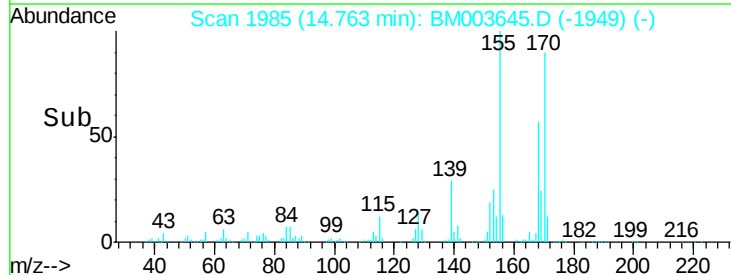
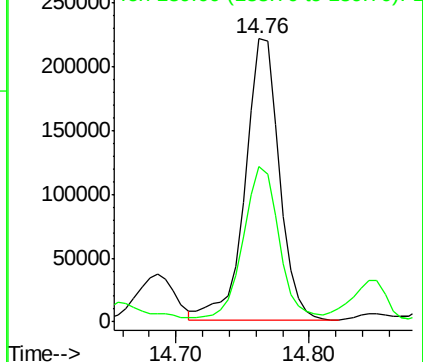


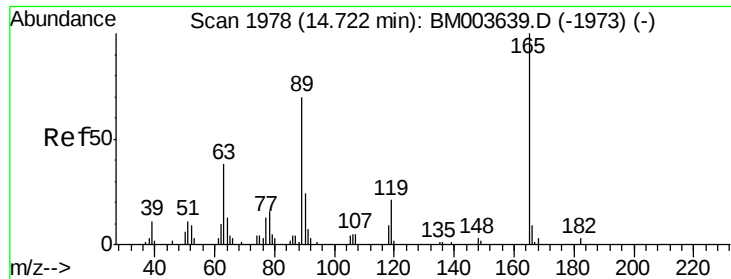
#54
Dibenzofuran
Concen: 30.89 ng/ul
RT: 14.76 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion:168 Resp: 388737
Ion Ratio Lower Upper
168 100
139 54.7 32.2 48.2#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

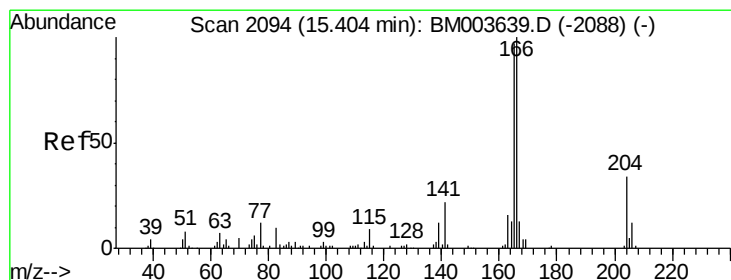
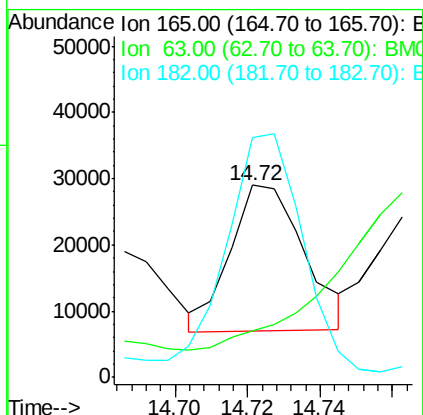
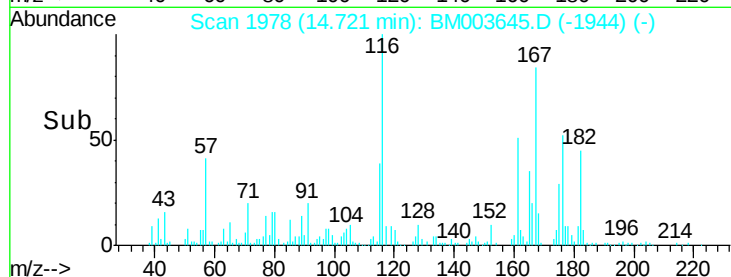
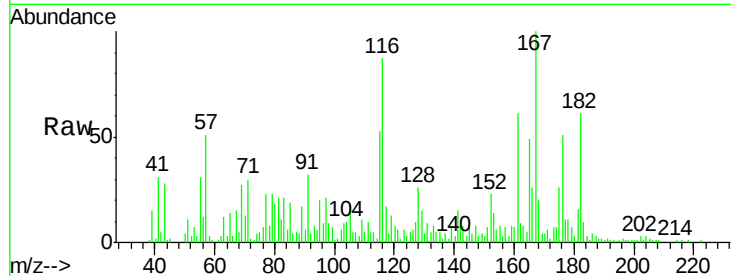




#55
2,4-Dinitrotoluene
Concen: 9.70 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

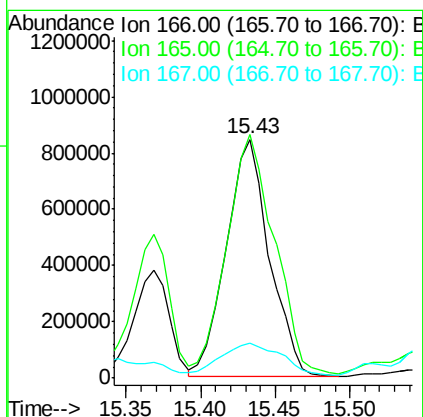
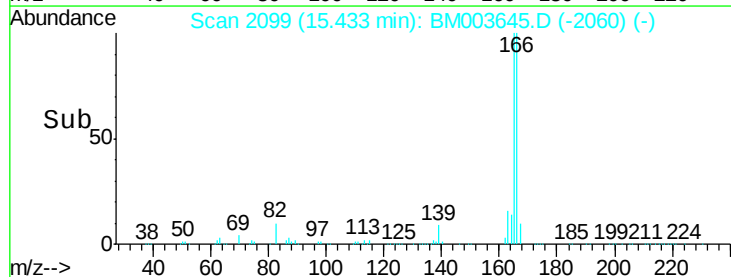
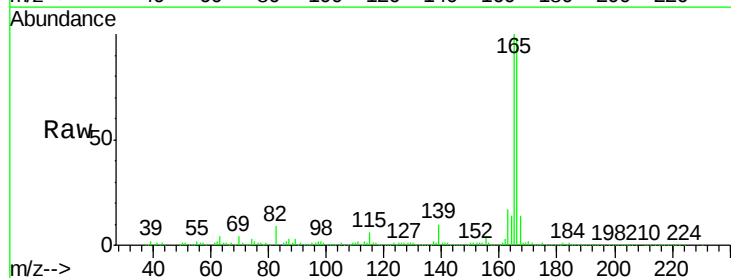
Instrument :
BNA_M
ClientSampled :
G9C65

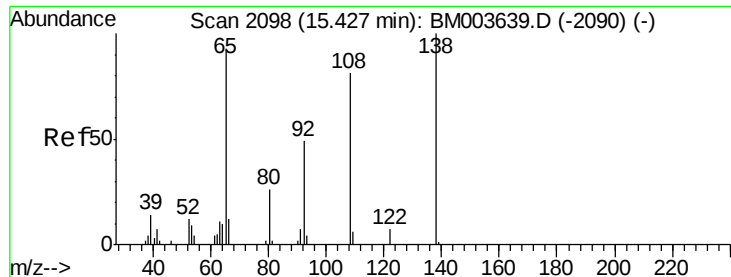
Tgt Ion:165 Resp: 31135
Ion Ratio Lower Upper
165 100
63 24.2 29.8 44.6#
182 124.9 2.2 3.4#



#59
Fluorene
Concen: 167.60 ng/ul
RT: 15.43 min Scan# 2099
Delta R.T. 0.03 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion:166 Resp: 1693147
Ion Ratio Lower Upper
166 100
165 102.0 78.5 117.7
167 14.7 10.7 16.1

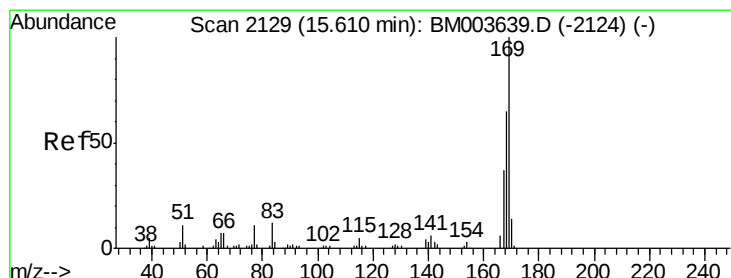
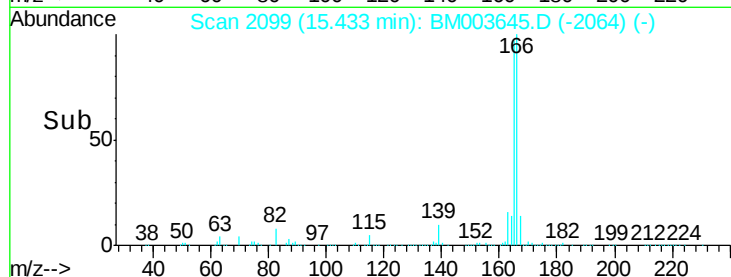
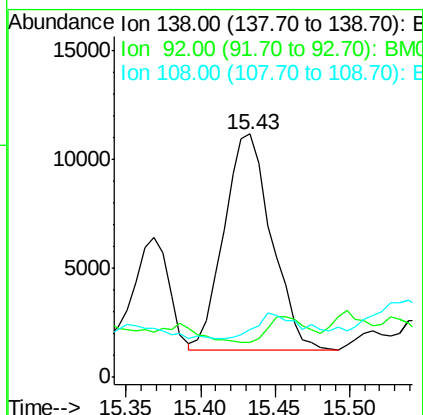
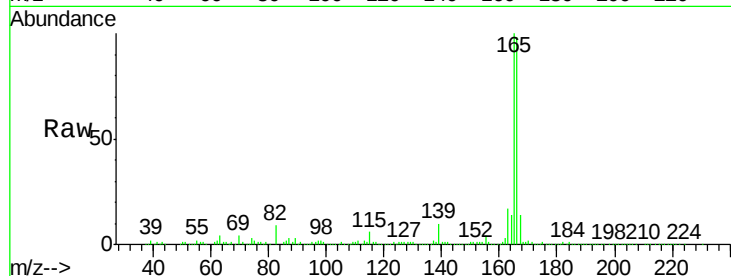




#61
4-Nitroaniline
Concen: 8.35 ng/ul
RT: 15.43 min Scan# 2099
Delta R.T. 0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

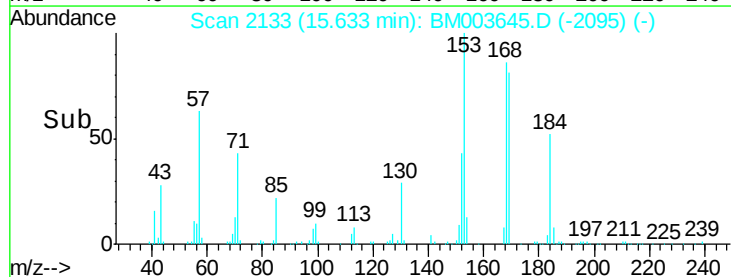
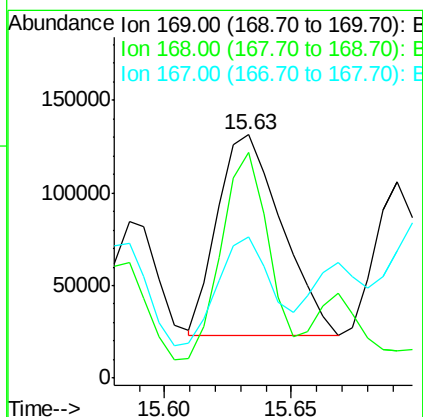
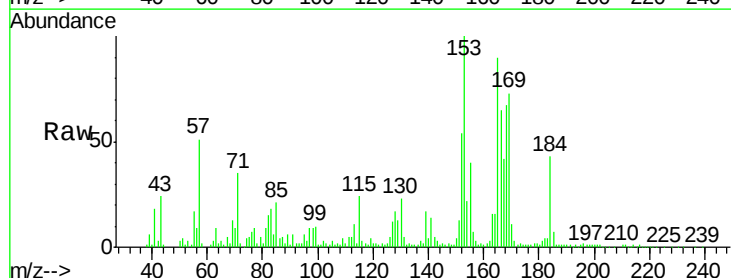
Instrument :
BNA_M
ClientSampled :
G9C65

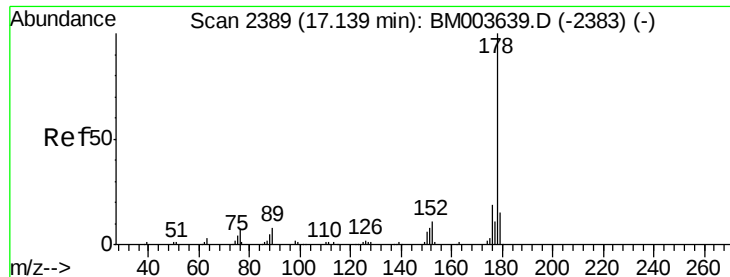
Tgt Ion:138 Resp: 21869
Ion Ratio Lower Upper
138 100
92 14.3 40.6 60.8#
108 19.7 67.0 100.6#



#65
N-Nitrosodiphenylamine
Concen: 25.32 ng/ul
RT: 15.63 min Scan# 2133
Delta R.T. 0.02 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion:169 Resp: 191788
Ion Ratio Lower Upper
169 100
168 92.5 53.8 80.8#
167 57.8 29.3 43.9#





#70

Phenanthrene

Concen: 462.50 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.06 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

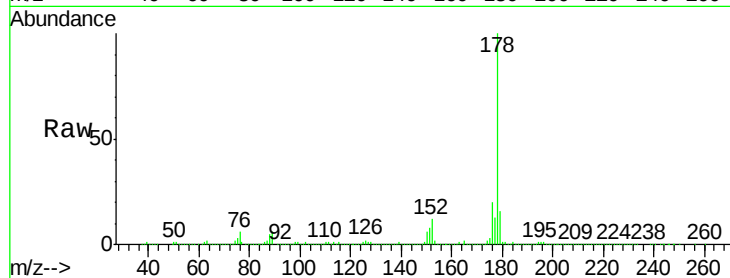
Tgt Ion:178 Resp: 6620831

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.4

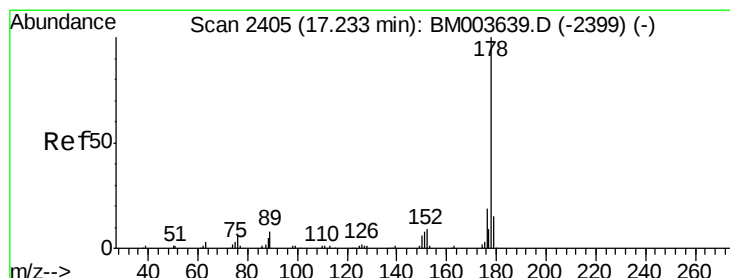
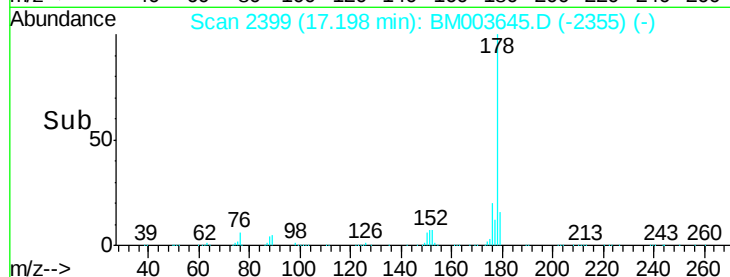
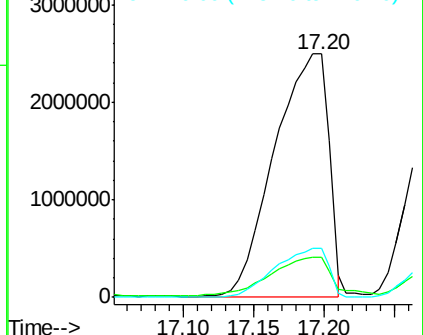
176 20.1 15.6 23.4



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: 159.40 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. 0.04 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

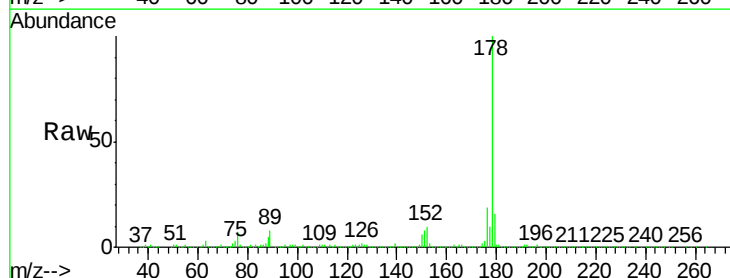
Tgt Ion:178 Resp: 2327202

Ion Ratio Lower Upper

178 100

179 16.3 12.1 18.1

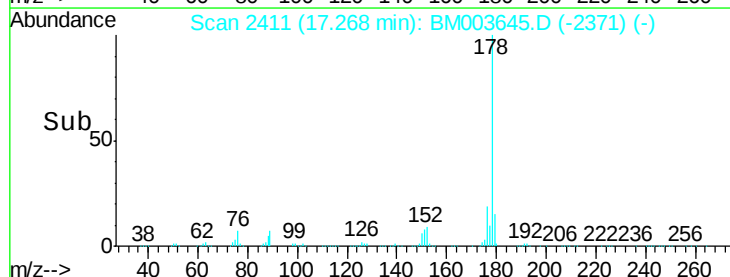
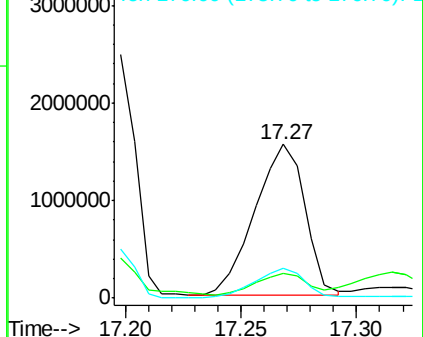
176 19.0 14.8 22.2

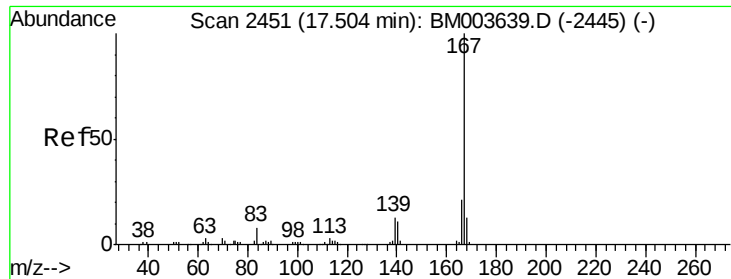


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.59 ng/ul

RT: 17.53 min Scan# 2455

Delta R.T. 0.02 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

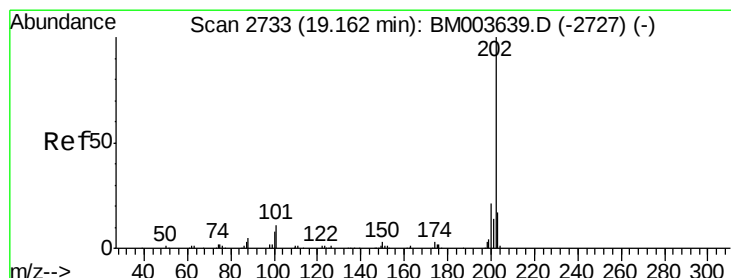
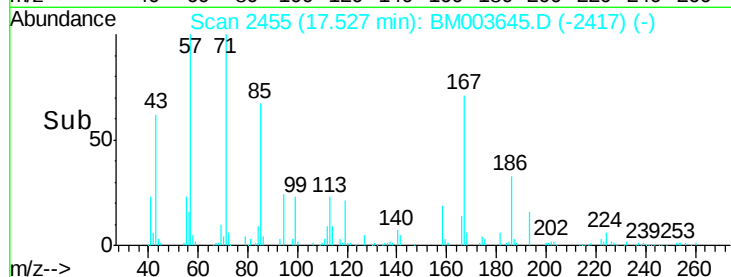
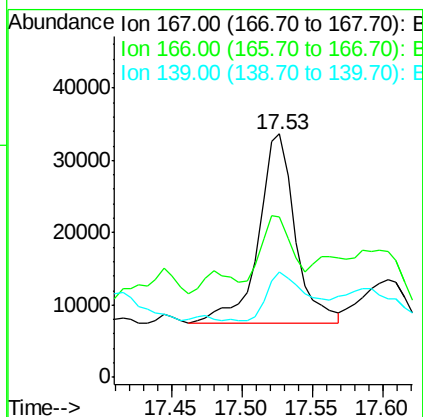
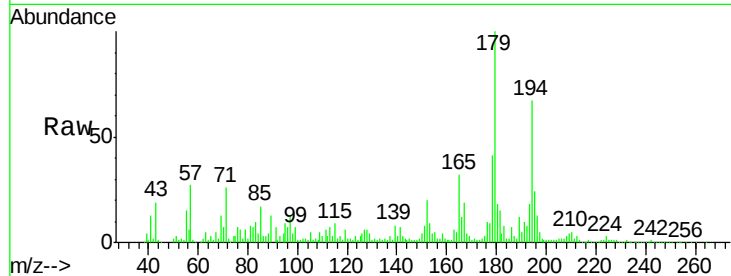
Tgt Ion:167 Resp: 47863

Ion Ratio Lower Upper

167 100

166 65.7 17.0 25.6#

139 43.2 11.0 16.4#



#77

Fluoranthene

Concen: 168.57 ng/ul

RT: 19.21 min Scan# 2741

Delta R.T. 0.05 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

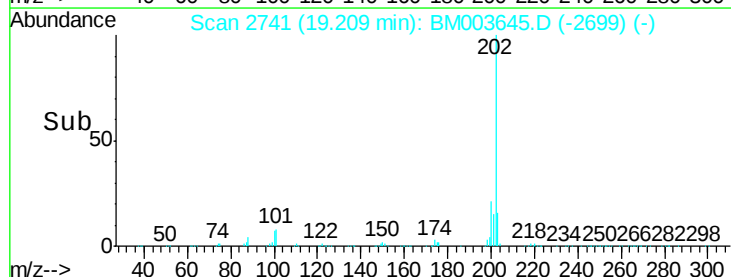
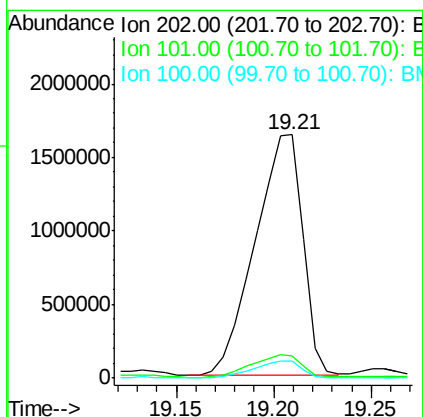
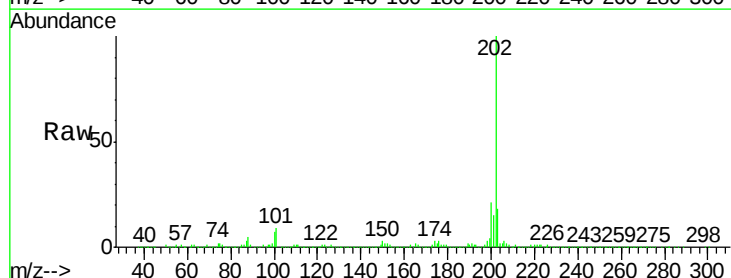
Tgt Ion:202 Resp: 2773944

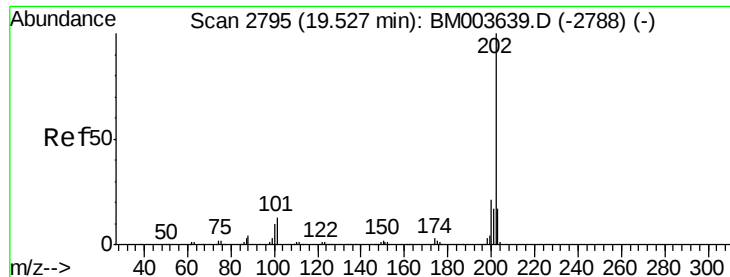
Ion Ratio Lower Upper

202 100

101 9.2 8.8 13.2

100 6.8 6.6 9.8

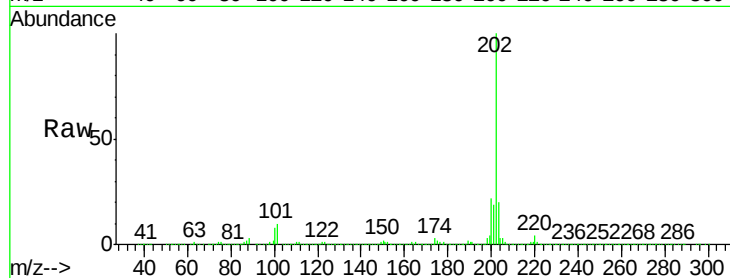




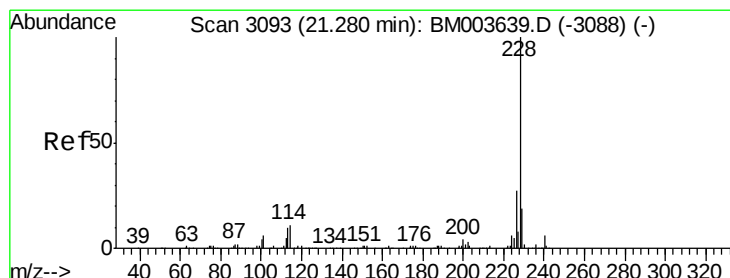
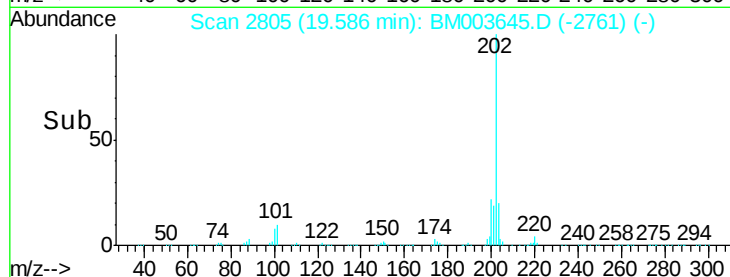
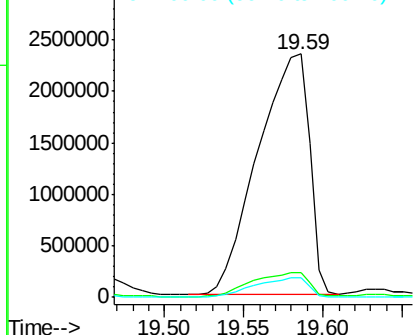
#80
Pyrene
Concen: 363.55 ng/ul
RT: 19.59 min Scan# 2805
Delta R.T. 0.06 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Instrument :
BNA_M
ClientSampleId :
G9C65

Tgt Ion:202 Resp: 5306136
Ion Ratio Lower Upper
202 100
101 10.1 10.2 15.2#
100 7.9 8.5 12.7#

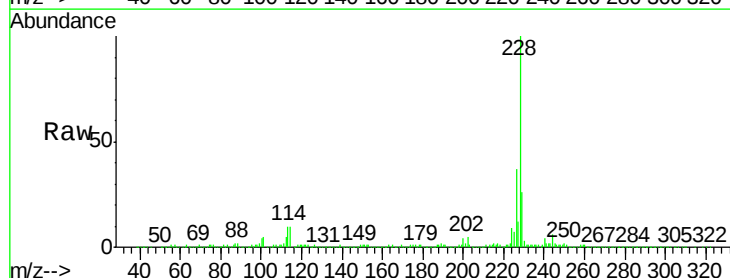


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

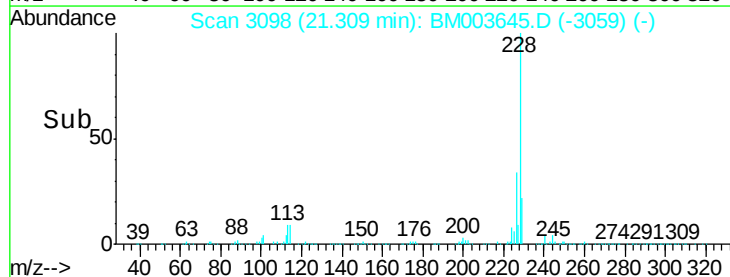
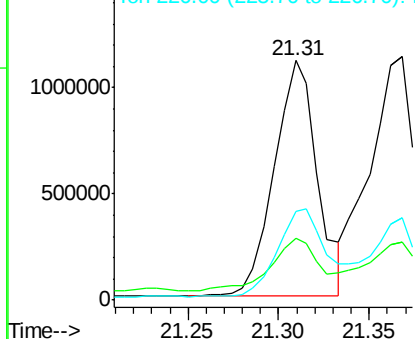


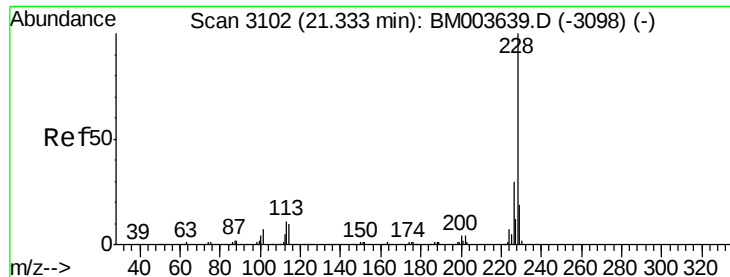
#83
Benzo(a)anthracene
Concen: 120.36 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. 0.03 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion:228 Resp: 1839955
Ion Ratio Lower Upper
228 100
229 25.8 15.7 23.5#
226 37.2 21.8 32.6#



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





#85

Chrysene

Concen: 128.42 ng/ul

RT: 21.37 min Scan# 3108

Delta R.T. 0.04 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

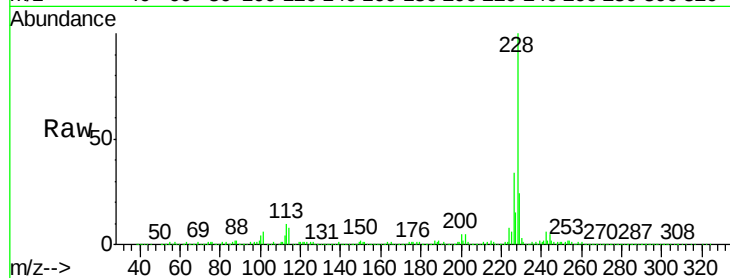
Tgt Ion:228 Resp: 1893227

Ion Ratio Lower Upper

228 100

226 33.6 24.0 36.0

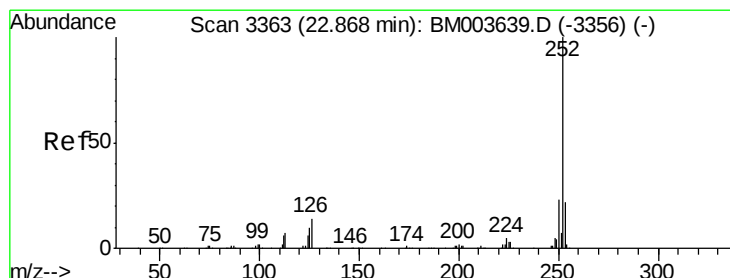
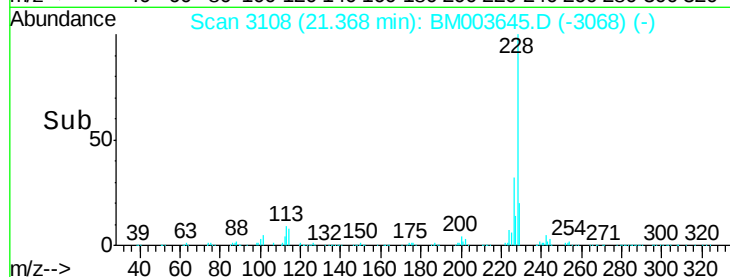
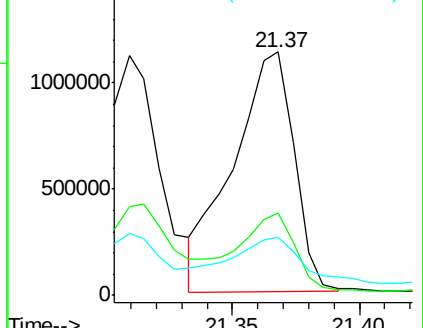
229 23.9 15.6 23.4#



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: 97.92 ng/ul

RT: 22.91 min Scan# 3370

Delta R.T. 0.04 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

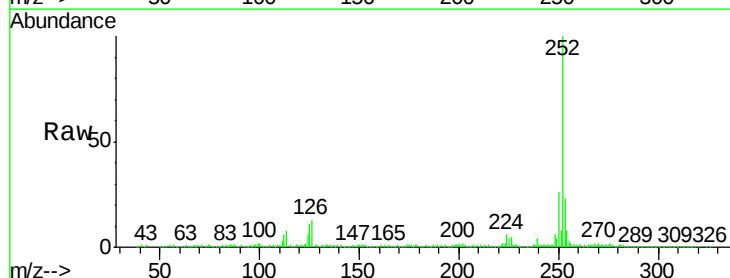
Tgt Ion:252 Resp: 1491078

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

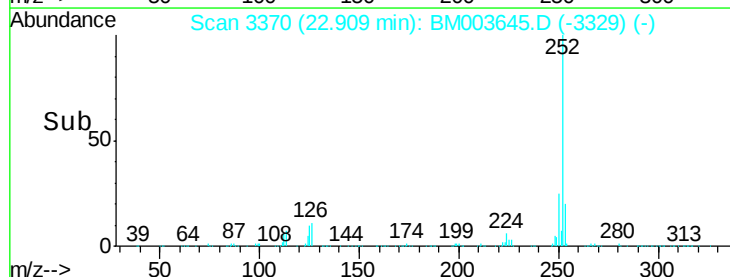
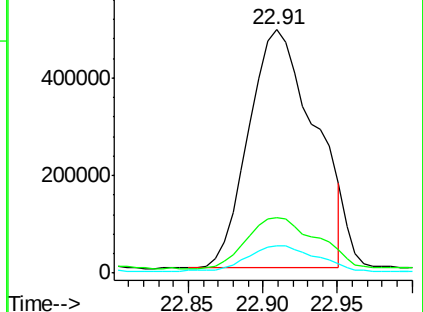
125 11.3 8.5 12.7

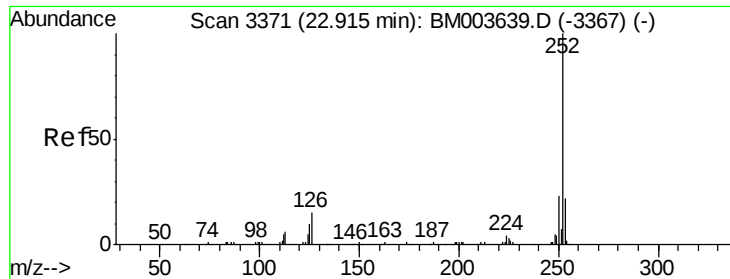


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

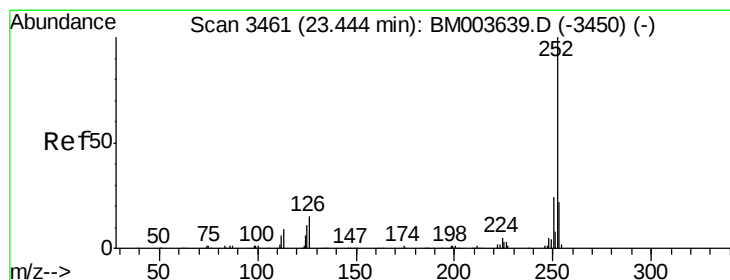
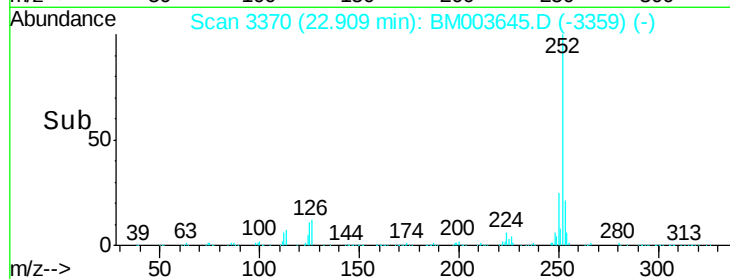
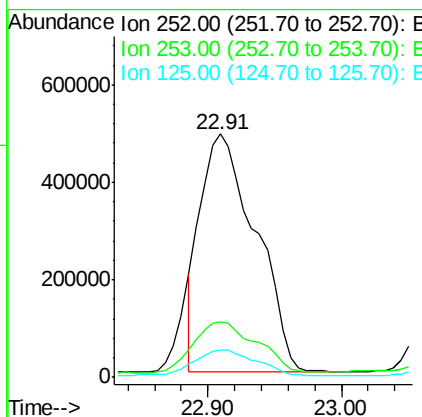
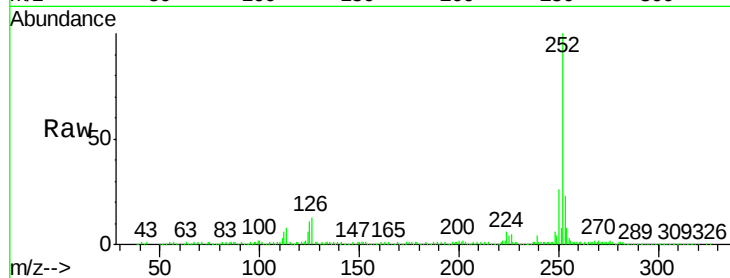




#89
Benzo(k)fluoranthene
Concen: 97.20 ng/u1
RT: 22.91 min Scan# 3370
Delta R.T. -0.01 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

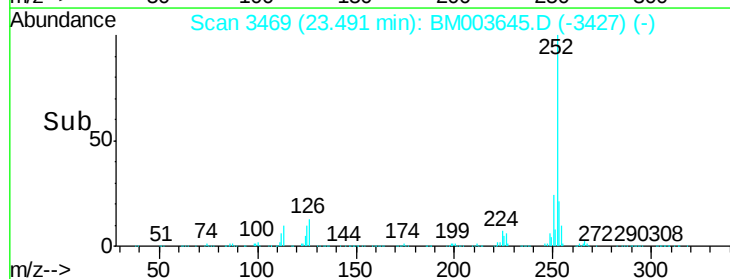
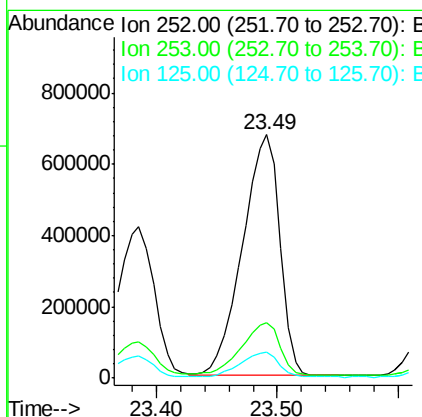
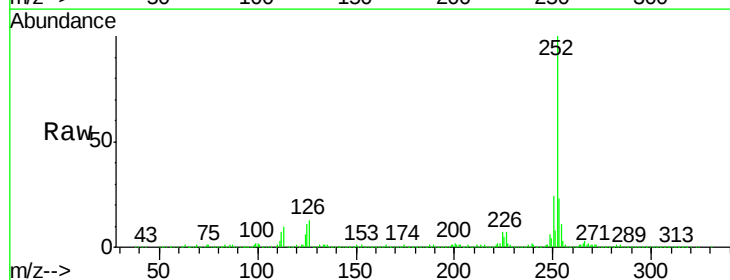
Instrument :
BNA_M
ClientSampleId :
G9C65

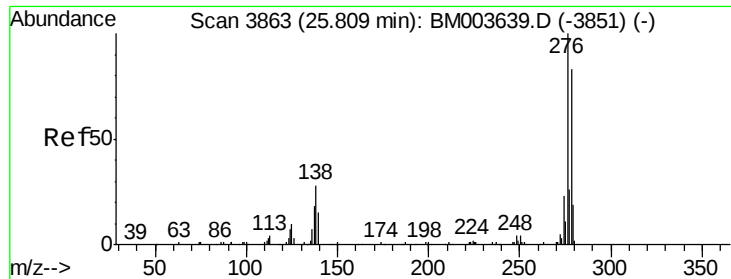
Tgt Ion:252 Resp: 1402258
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.3 8.2 12.2



#91
Benzo(a)pyrene
Concen: 99.41 ng/u1
RT: 23.49 min Scan# 3469
Delta R.T. 0.05 min
Lab File: BM003645.D
Acq: 20 Dec 2015 07:25

Tgt Ion:252 Resp: 1447840
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 10.6 9.0 13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 33.09 ng/ul

RT: 25.86 min Scan# 3871

Delta R.T. 0.05 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65

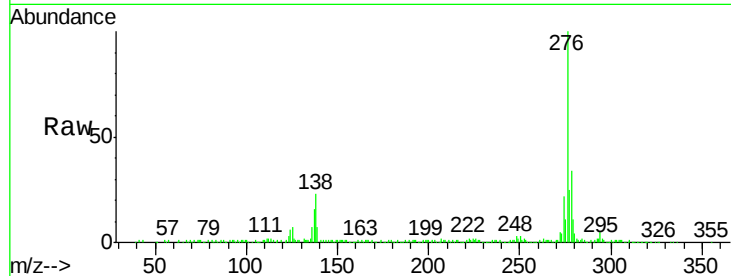
Tgt Ion:276 Resp: 518706

Ion Ratio Lower Upper

276 100

138 22.8 22.3 33.5

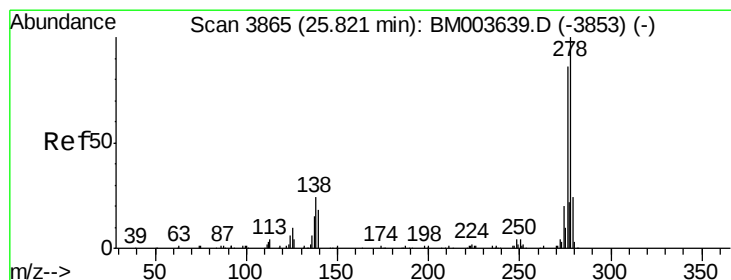
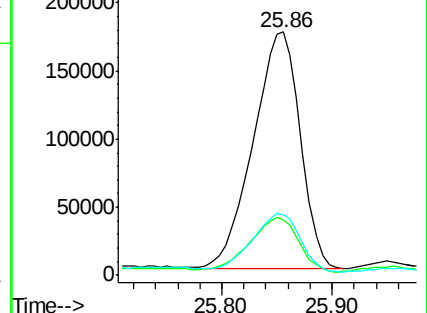
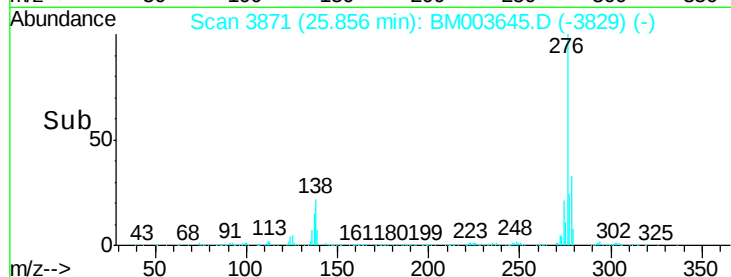
277 25.1 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 14.80 ng/ul

RT: 25.85 min Scan# 3870

Delta R.T. 0.03 min

Lab File: BM003645.D

Acq: 20 Dec 2015 07:25

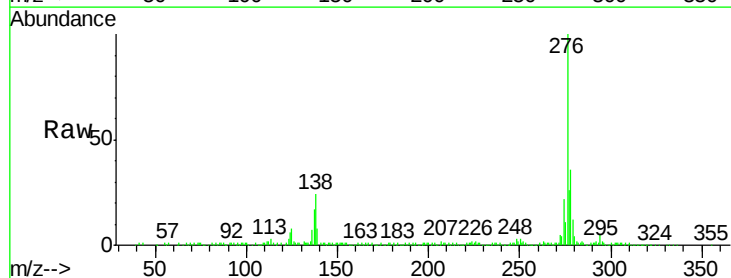
Tgt Ion:278 Resp: 194596

Ion Ratio Lower Upper

278 100

139 22.6 13.9 20.9#

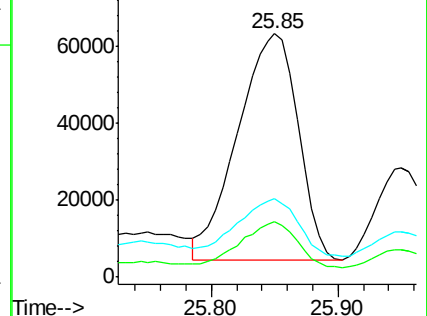
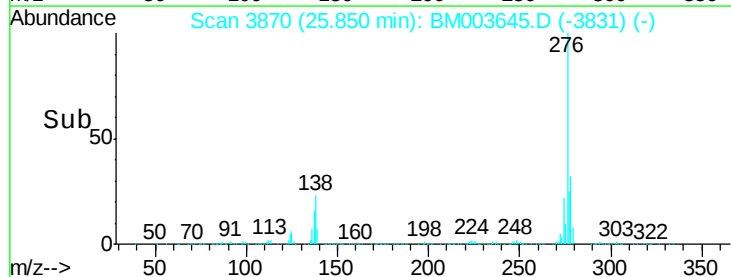
279 32.3 19.0 28.4#

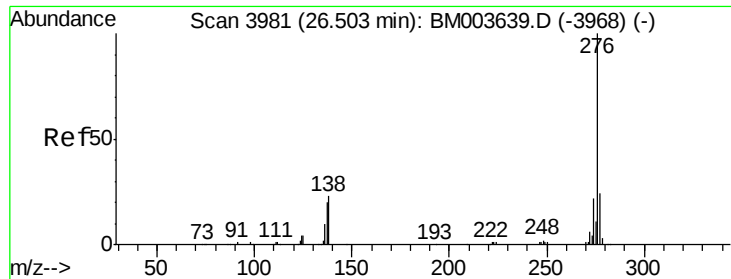


Abundance Ion 278.00 (277.70 to 278.70): E

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: 43.95 ng/ul

RT: 26.56 min Scan# 3990

Delta R.T. 0.05 min

Lab File: BM003645.D

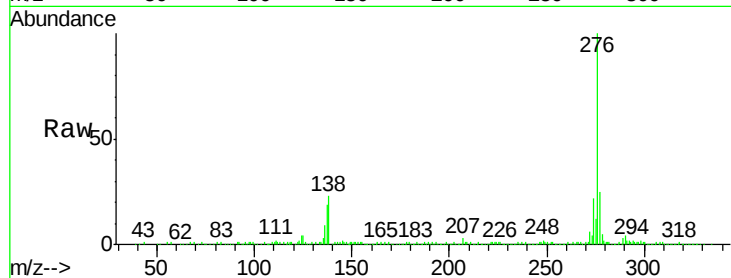
Acq: 20 Dec 2015 07:25

Instrument :

BNA_M

ClientSampleId :

G9C65



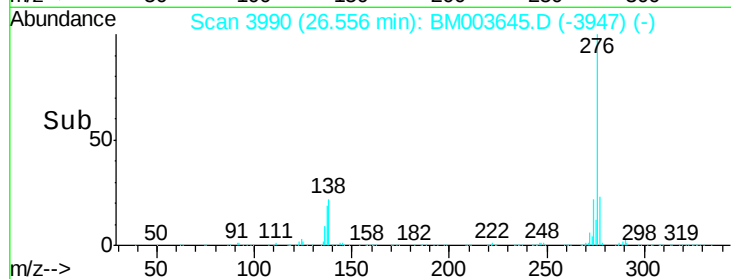
Tgt Ion:276 Resp: 565924

Ion Ratio Lower Upper

276 100

138 22.8 18.9 28.3

277 24.6 19.2 28.8



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

