

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005628.D
 Acq On : 24 May 2016 03:05
 Operator : UM/SJ
 Sample : H3086-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL1RE

Quant Time: May 24 06:59:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	203853	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	739778	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	287483	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.20	188	557287	20.00	ng/ul	0.01
75) Chrysene-d12	21.36	240	673186	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	693892	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	12538	2.69	ng/uL	0.00
5) Phenol-d5	6.98	99	317564	19.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	268117	27.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	248192	17.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	235438	17.19	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	113147	20.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	107544	17.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	223163	19.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	148400	12.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	469892	20.02	ng/ul	0.01
46) Acenaphthylene-d8	14.14	160	640201	21.82	ng/ul	0.01
51) 4-Nitrophenol-d4	14.66	143	120225	27.09	ng/ul	0.00
57) Fluorene-d10	15.45	176	378305	18.53	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.55	200	39522	12.33	ng/ul	0.00
70) Anthracene-d10	17.30	188	528016	19.89	ng/ul	0.02
76) Pyrene-d10	19.59	212	630571	20.68	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.50	264	594703	18.35	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	6.96	77	12917	1.19 ng/ul#	16
17) Hexachloroethane	8.91	117	6730	1.20 ng/ul#	5
21) Isophorone	9.52	82	228291	8.91 ng/ul#	1
23) 2-Nitrophenol	9.72	139	15756	2.35 ng/ul#	1
24) 2,4-Dimethylphenol	9.81	107	50885	3.68 ng/ul	95
28) Naphthalene	10.66	128	71371	1.92 ng/ul#	22
38) 2,4,6-Trichlorophenol	12.90	196	8167	1.28 ng/ul#	13
41) 2-Chloronaphthalene	13.29	162	29971	1.61 ng/ul	97
42) 2-Nitroaniline	13.55	65	8649	1.55 ng/ul#	15
44) Dimethylphthalate	13.90	163	166374	7.17 ng/ul#	74
45) 2,6-Dinitrotoluene	14.07	165	23766	5.07 ng/ul#	21
47) Acenaphthylene	14.17	152	195678	6.56 ng/ul#	18
48) 3-Nitroaniline	14.36	138	18639	4.29 ng/ul#	36
49) Acenaphthene	14.52	153	460102	23.41 ng/ul	98
52) 4-Nitrophenol	14.70	109	41118	9.22 ng/ul#	17
54) 2,4-Dinitrotoluene	14.76	165	69061	10.09 ng/ul	89
58) Fluorene	15.50	166	28266	1.26 ng/ul#	1
63) 4,6-Dinitro-2-methylphenol	15.54	198	8949	2.66 ng/ul#	1
64) N-Nitrosodiphenylamine	15.72	169	758491	44.86 ng/ul#	59
69) Phenanthrene	17.24	178	361791	11.62 ng/ul#	76
71) Anthracene	17.33	178	415037	13.08 ng/ul#	88
72) Carbazole	17.60	167	29940	1.09 ng/ul#	1
74) Fluoranthene	19.26	202	2397867	68.40 ng/ul	99

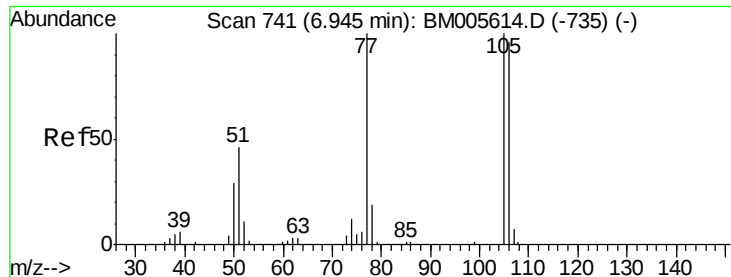
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	19.62	202	2381792	61.55	ng/ul	99
80) Benzo(a)anthracene	21.35	228	753107	19.03	ng/ul#	89
81) Bis(2-ethylhexyl)phthalate	21.27	149	145044	6.30	ng/ul#	94
82) Chrysene	21.40	228	929603	24.69	ng/ul#	93
85) Benzo(b)fluoranthene	22.96	252	867631	21.20	ng/ul#	83
86) Benzo(k)fluoranthene	22.96	252	867631	22.40	ng/ul#	83
88) Benzo(a)pyrene	23.55	252	699898	17.63	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	25.97	276	452412	9.59	ng/ul	97
90) Dibenzo(a,h)anthracene	25.97	278	105898	2.70	ng/ul#	59
91) Benzo(g,h,i)perylene	26.68	276	463402	11.69	ng/ul#	93

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



#4

Benzaldehyde

Concen: 1.19 ng/ul

RT: 6.96 min Scan# 743

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

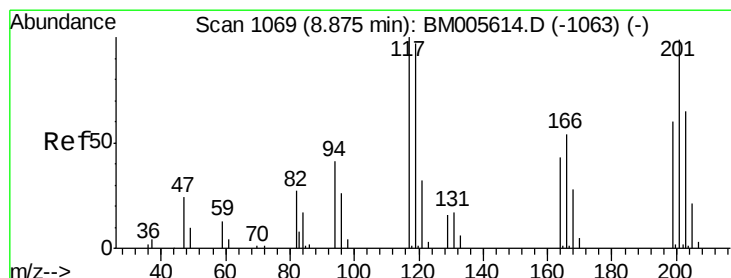
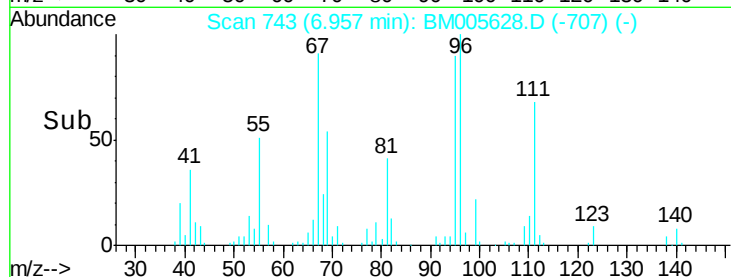
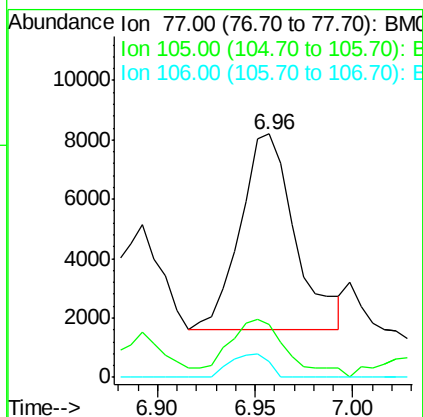
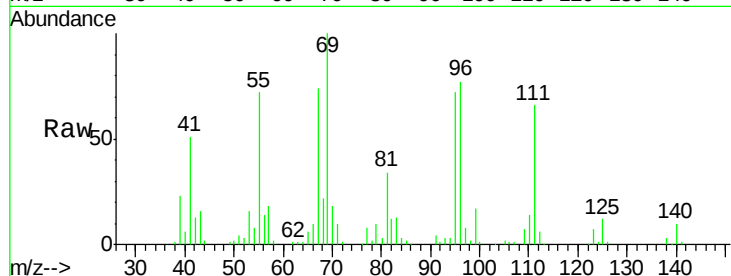
Tgt Ion: 77 Resp: 12917

Ion Ratio Lower Upper

77 100

105 21.8 79.3 118.9#

106 6.7 75.2 112.8#



#17

Hexachloroethane

Concen: 1.20 ng/ul

RT: 8.91 min Scan# 1075

Delta R.T. 0.04 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

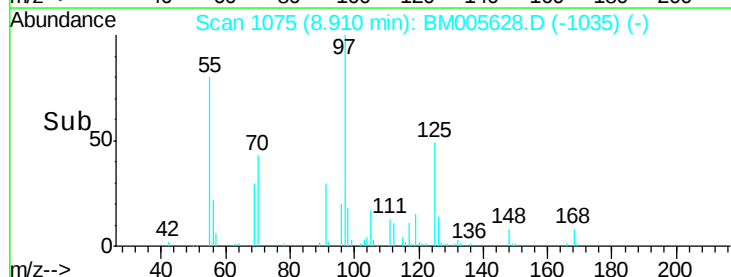
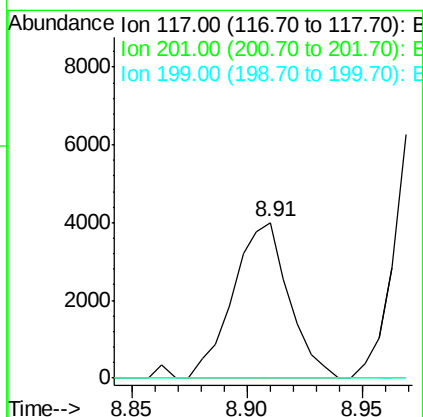
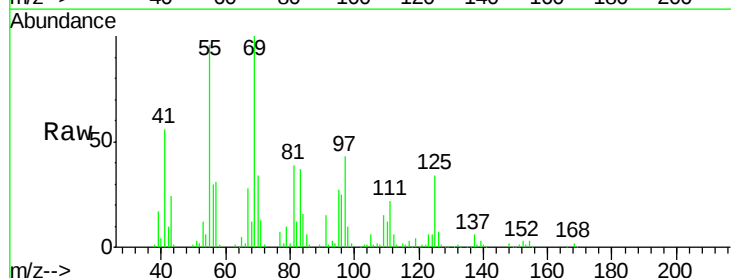
Tgt Ion: 117 Resp: 6730

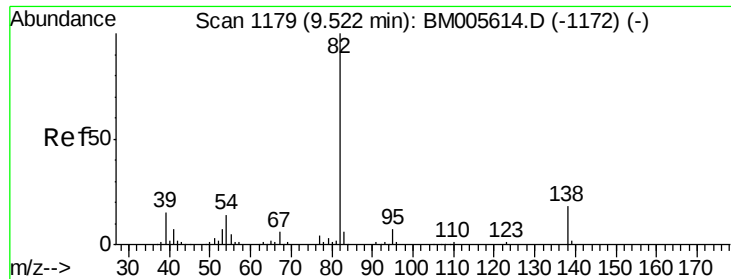
Ion Ratio Lower Upper

117 100

201 0.0 84.8 127.2#

199 0.0 50.5 75.7#





#21

Isophorone

Concen: 8.91 ng/ul

RT: 9.52 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampled :

JHGL1RE

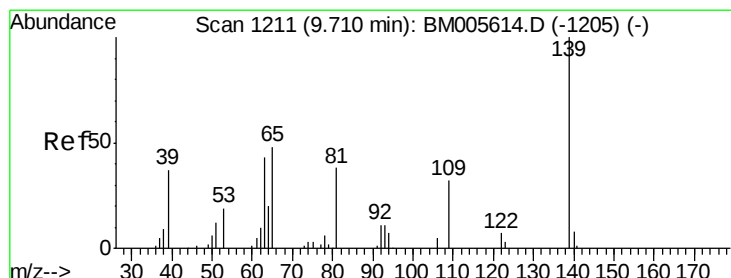
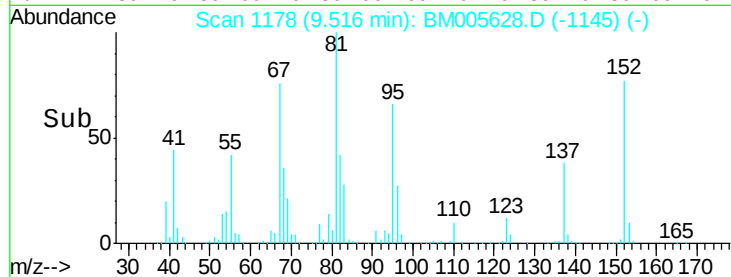
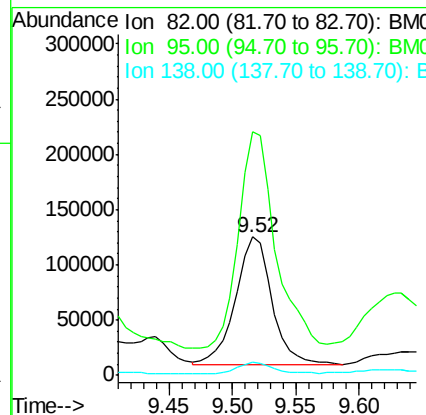
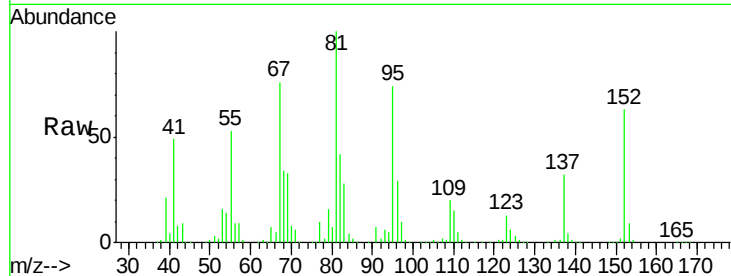
Tgt Ion: 82 Resp: 228291

Ion Ratio Lower Upper

82 100

95 175.8 6.4 9.6#

138 9.2 13.8 20.6#



#23

2-Nitrophenol

Concen: 2.35 ng/ul

RT: 9.72 min Scan# 1213

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

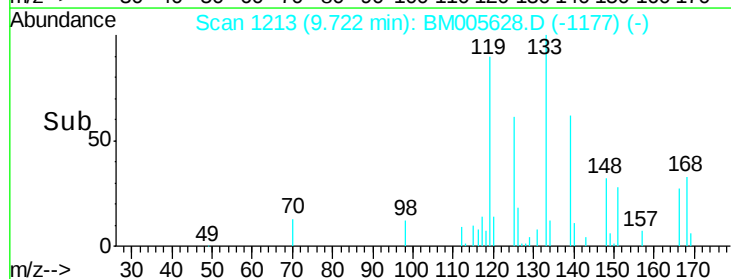
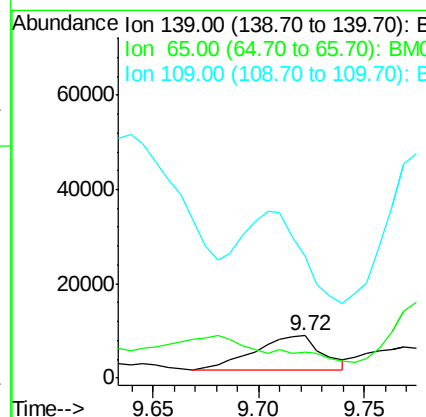
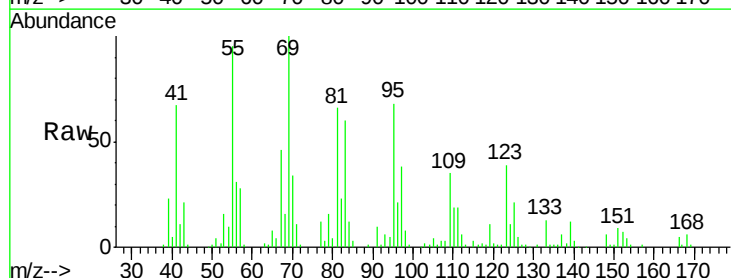
Tgt Ion: 139 Resp: 15756

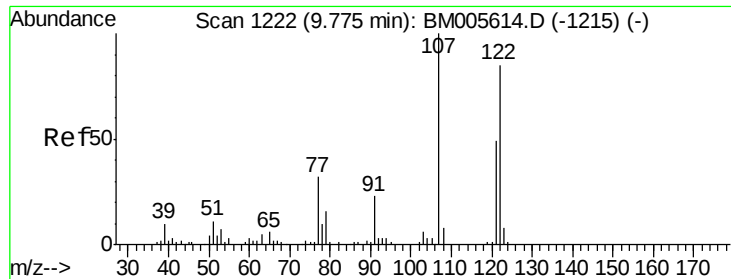
Ion Ratio Lower Upper

139 100

65 62.7 45.2 67.8

109 285.8 30.8 46.2#





#24

2,4-Dimethylphenol

Concen: 3.68 ng/ul

RT: 9.81 min Scan# 1228

Delta R.T. 0.04 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampled :

JHGL1RE

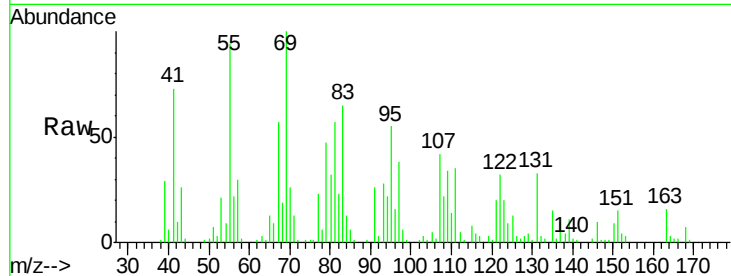
Tgt Ion:107 Resp: 50885

Ion Ratio Lower Upper

107 100

121 47.1 37.5 56.3

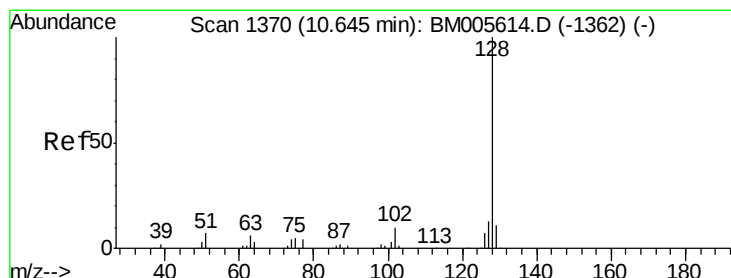
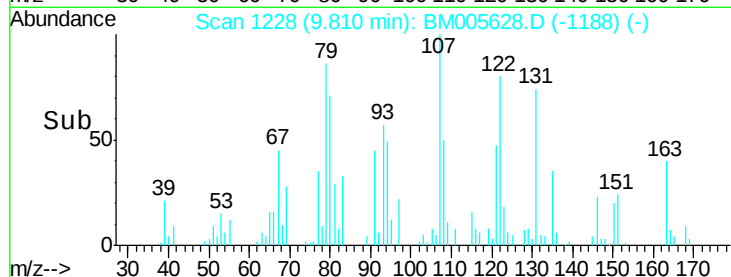
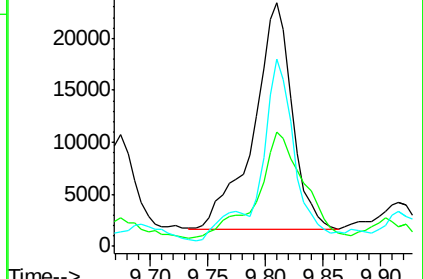
122 76.9 66.9 100.3



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 1.92 ng/ul

RT: 10.66 min Scan# 1372

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

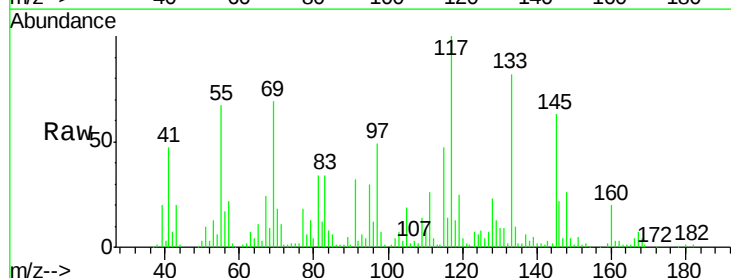
Tgt Ion:128 Resp: 71371

Ion Ratio Lower Upper

128 100

129 56.7 8.6 13.0#

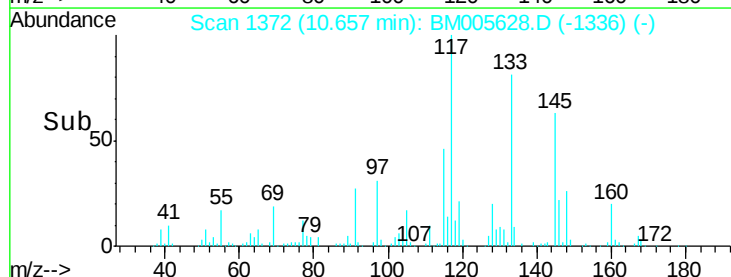
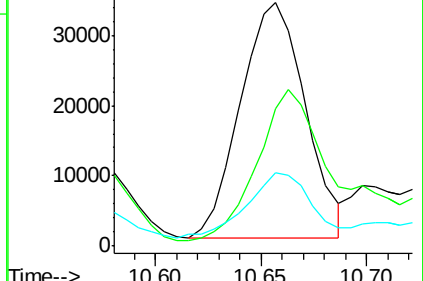
127 30.0 10.6 15.8#

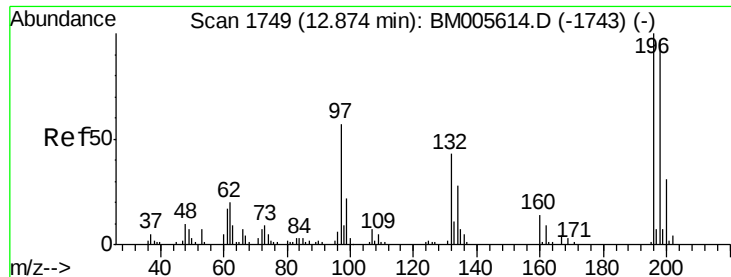


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

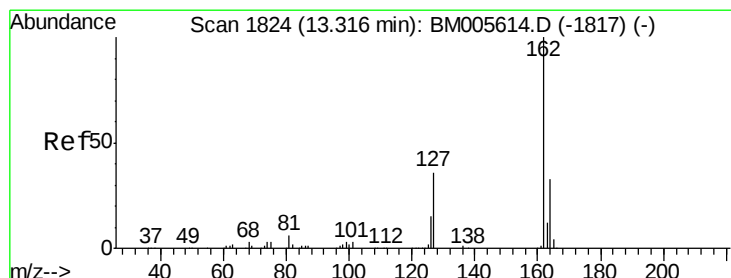
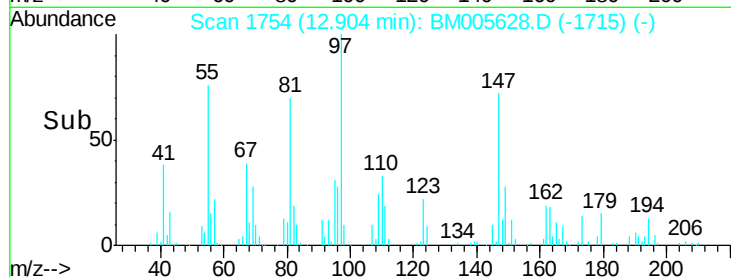
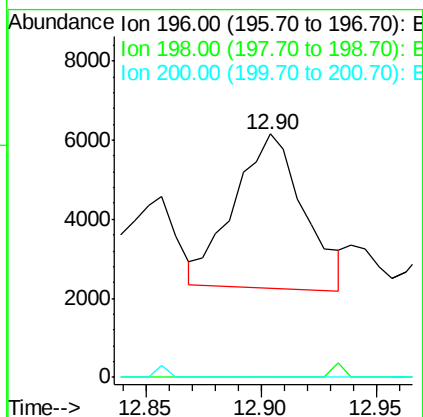
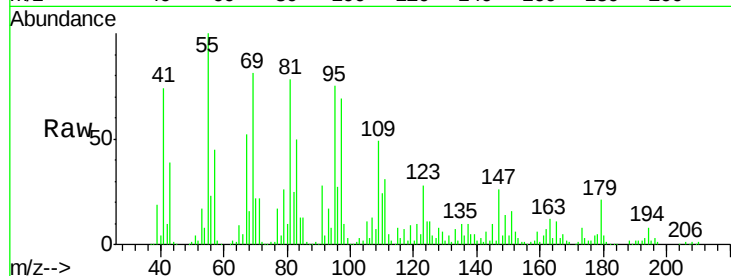




#38
 2,4,6-Trichlorophenol
 Concen: 1.28 ng/ul
 RT: 12.90 min Scan# 1754
 Delta R.T. 0.03 min
 Lab File: BM005628.D
 Acq: 24 May 2016 03:05

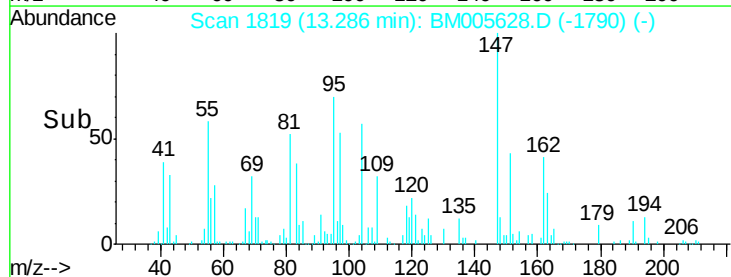
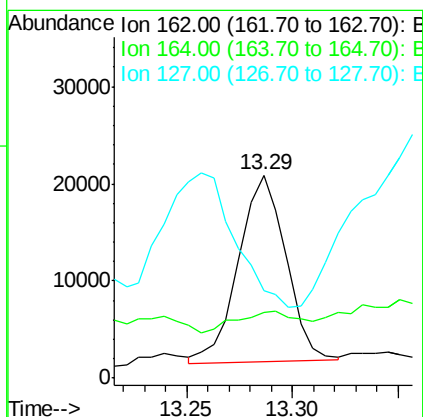
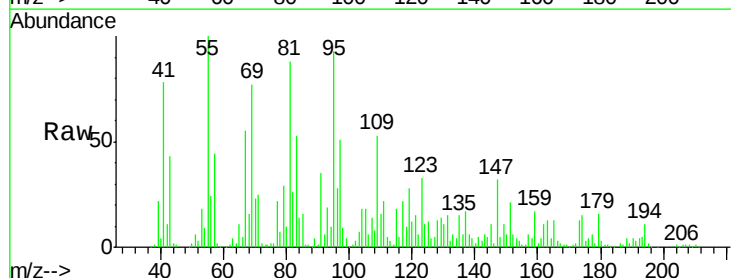
Instrument :
 BNA_M
 ClientSampleId :
 JHGL1RE

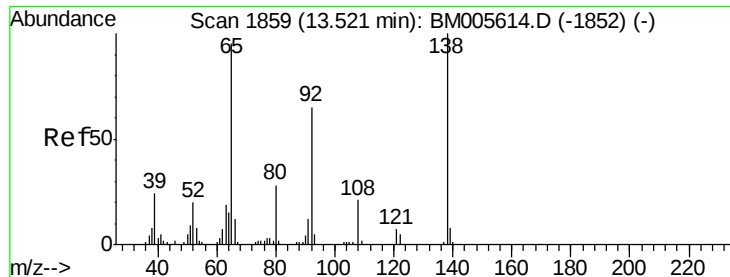
Tgt Ion:196 Resp: 8167
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.0 112.4#
 200 0.0 25.2 37.8#



#41
 2-Chloronaphthalene
 Concen: 1.61 ng/ul
 RT: 13.29 min Scan# 1819
 Delta R.T. -0.03 min
 Lab File: BM005628.D
 Acq: 24 May 2016 03:05

Tgt Ion:162 Resp: 29971
 Ion Ratio Lower Upper
 162 100
 164 32.6 25.9 38.9
 127 43.4 32.0 48.0





#42

2-Nitroaniline

Concen: 1.55 ng/ul

RT: 13.55 min Scan# 1864

Delta R.T. 0.03 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

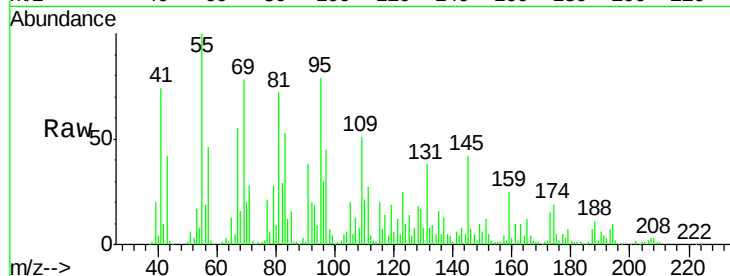
Tgt Ion: 65 Resp: 8649

Ion Ratio Lower Upper

65 100

92 159.4 53.6 80.4#

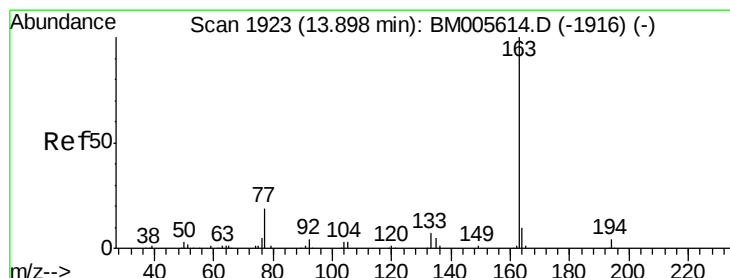
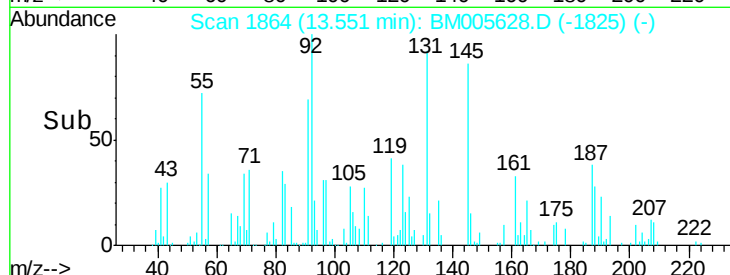
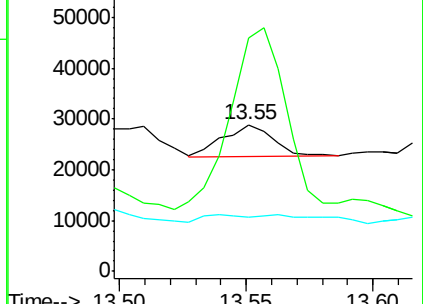
138 36.8 82.6 124.0#



Abundance Ion 65.00 (64.70 to 65.70): BM005614.D (-1852) (-)

Ion 92.00 (91.70 to 92.70): BM005614.D (-1852) (-)

Ion 138.00 (137.70 to 138.70): BM005614.D (-1852) (-)



#44

Dimethylphthalate

Concen: 7.17 ng/ul

RT: 13.90 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

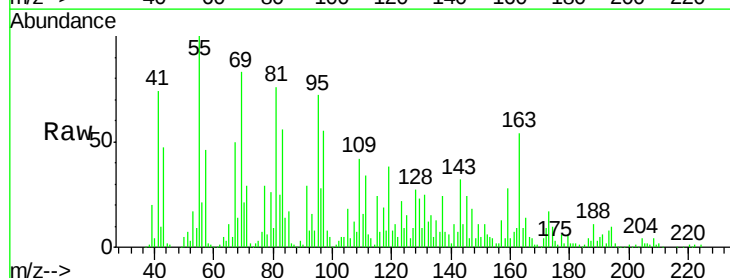
Tgt Ion: 163 Resp: 166374

Ion Ratio Lower Upper

163 100

194 19.0 3.4 5.0#

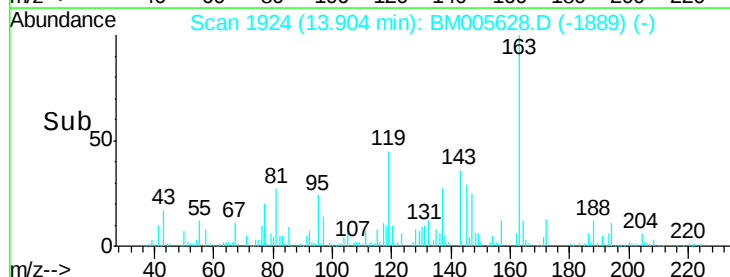
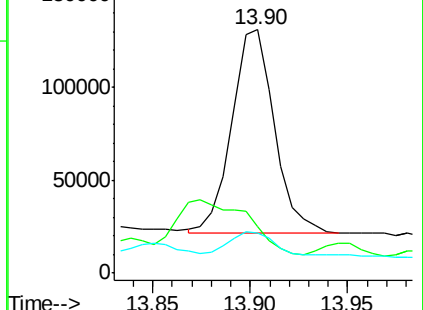
164 16.4 8.0 12.0#

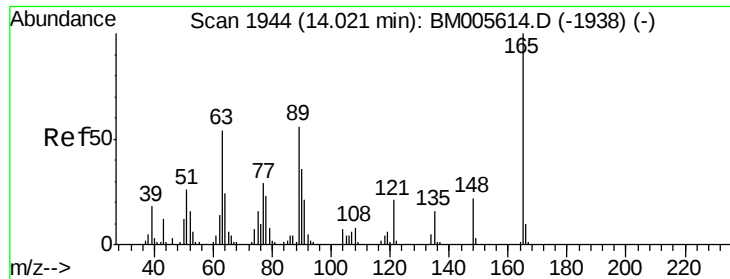


Abundance Ion 163.00 (162.70 to 163.70): BM005614.D (-1916) (-)

Ion 194.00 (193.70 to 194.70): BM005614.D (-1916) (-)

Ion 164.00 (163.70 to 164.70): BM005614.D (-1916) (-)

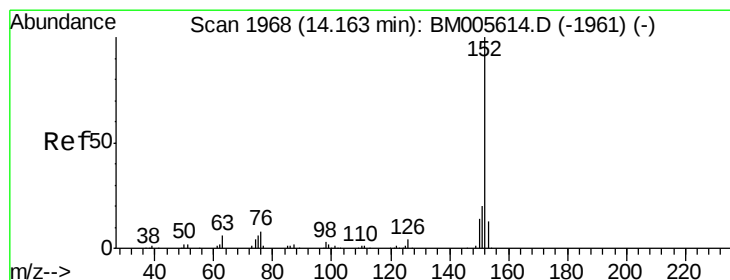
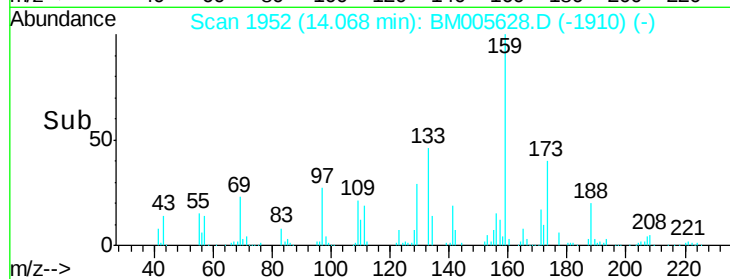
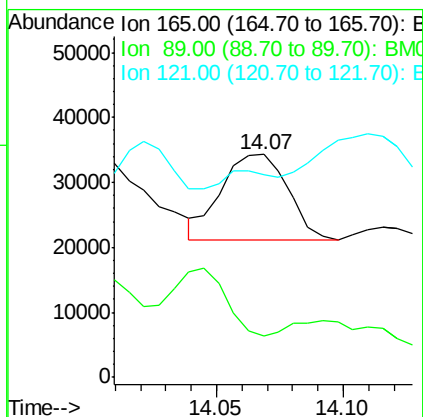
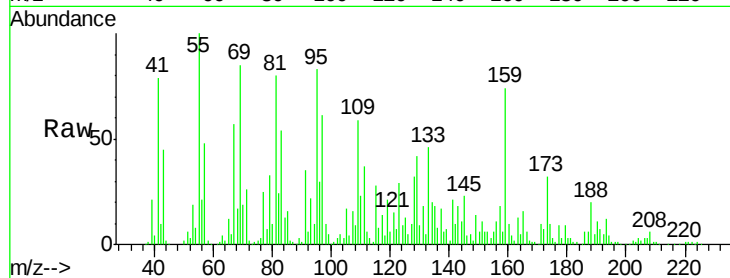




#45
 2,6-Dinitrotoluene
 Concen: 5.07 ng/ul
 RT: 14.07 min Scan# 1952
 Delta R.T. 0.05 min
 Lab File: BM005628.D
 Acq: 24 May 2016 03:05

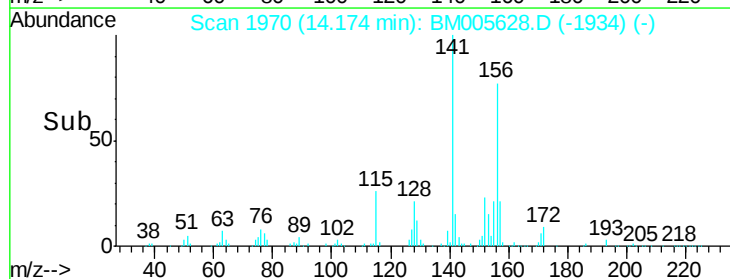
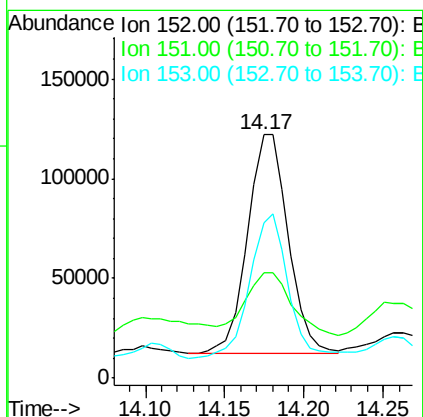
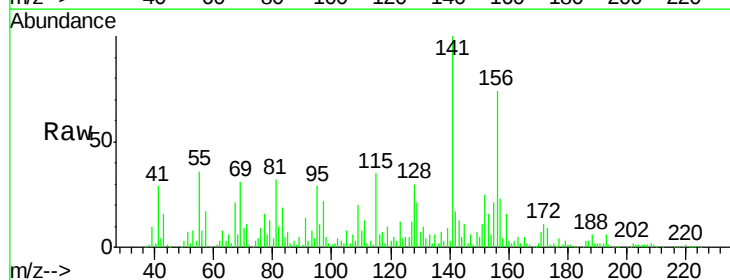
Instrument :
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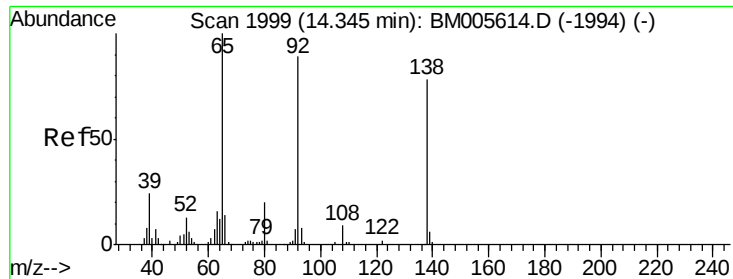
Tgt Ion:165 Resp: 23766
 Ion Ratio Lower Upper
 165 100
 89 18.6 48.2 72.2#
 121 91.0 17.4 26.0#



#47
 Acenaphthylene
 Concen: 6.56 ng/ul
 RT: 14.17 min Scan# 1970
 Delta R.T. 0.01 min
 Lab File: BM005628.D
 Acq: 24 May 2016 03:05

Tgt Ion:152 Resp: 195678
 Ion Ratio Lower Upper
 152 100
 151 43.2 15.7 23.5#
 153 63.7 10.5 15.7#

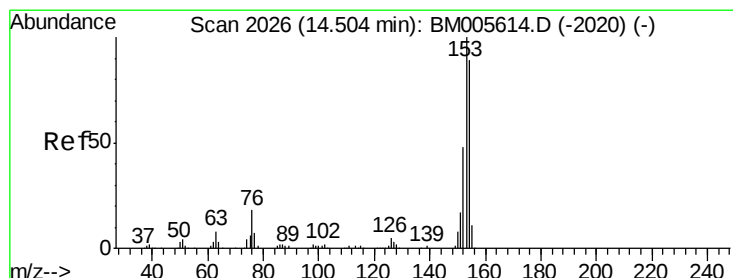
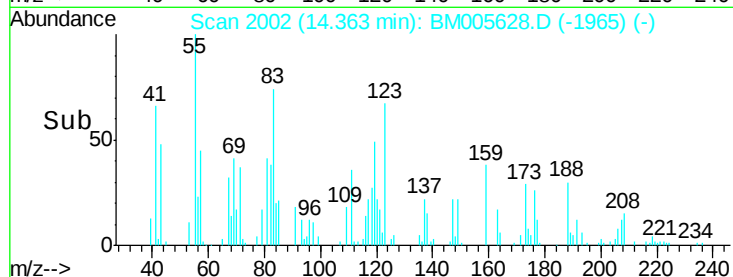
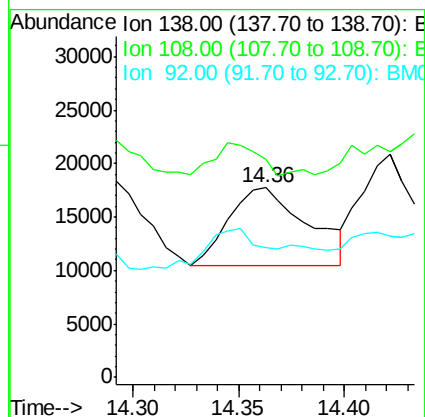
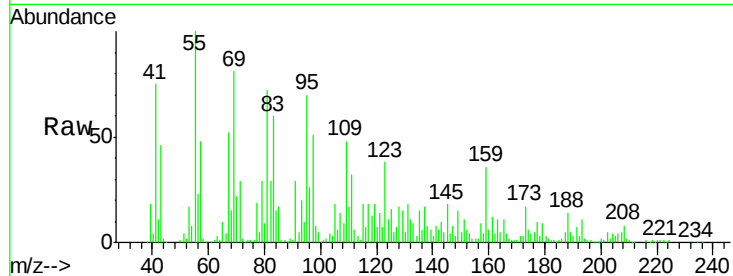




#48
3-Nitroaniline
Concen: 4.29 ng/ul
RT: 14.36 min Scan# 2002
Delta R.T. 0.02 min
Lab File: BM005628.D
Acq: 24 May 2016 03:05

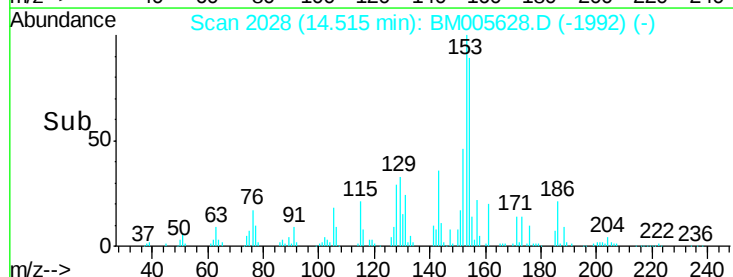
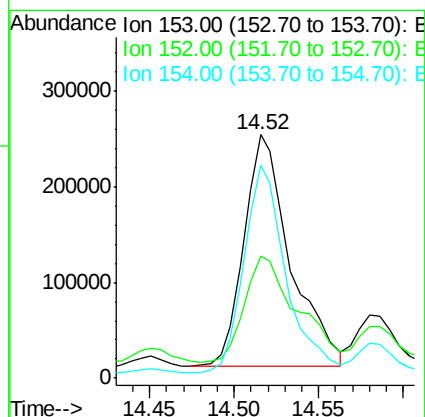
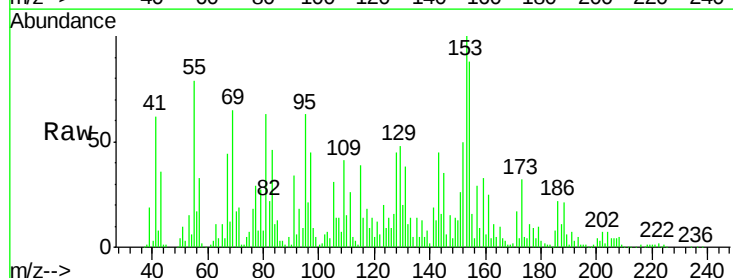
Instrument :
BNA_M
ClientSampleId :
JHGL1RE

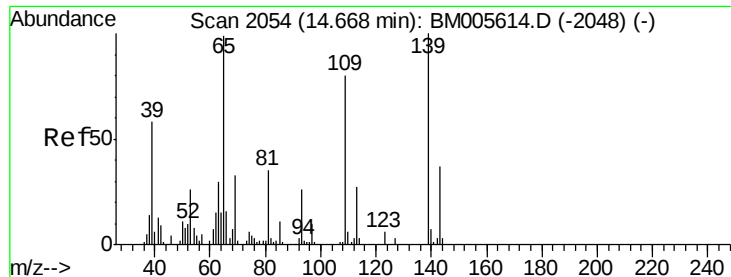
Tgt Ion:138 Resp: 18639
Ion Ratio Lower Upper
138 100
108 115.0 9.1 13.7#
92 68.3 92.8 139.2#



#49
Acenaphthene
Concen: 23.41 ng/ul
RT: 14.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BM005628.D
Acq: 24 May 2016 03:05

Tgt Ion:153 Resp: 460102
Ion Ratio Lower Upper
153 100
152 50.0 37.8 56.6
154 87.5 71.1 106.7

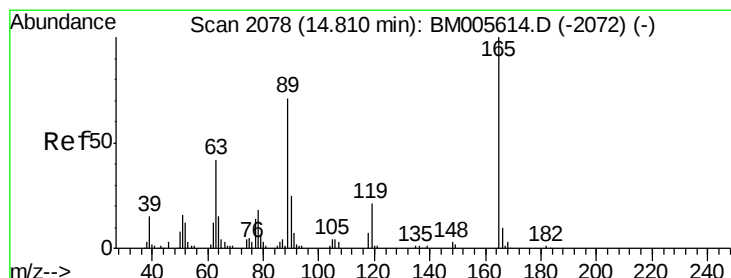
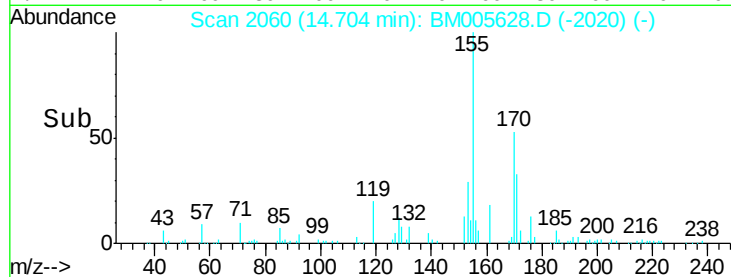
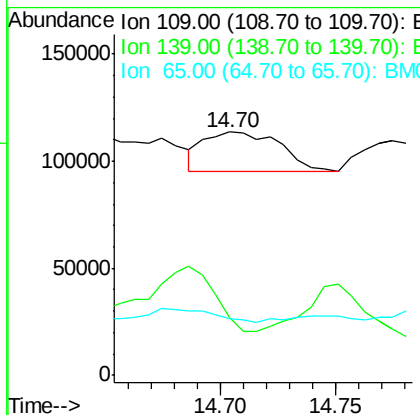
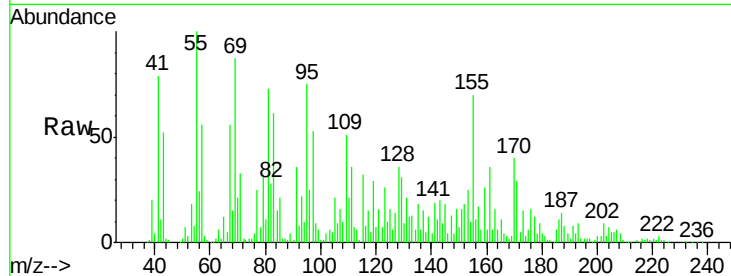




#52
4-Nitrophenol
Concen: 9.22 ng/ul
RT: 14.70 min Scan# 2060
Delta R.T. 0.04 min
Lab File: BM005628.D
Acq: 24 May 2016 03:05

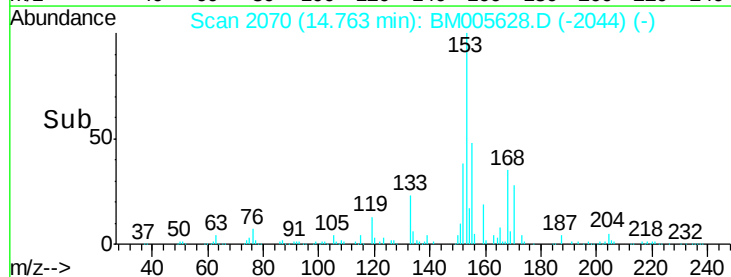
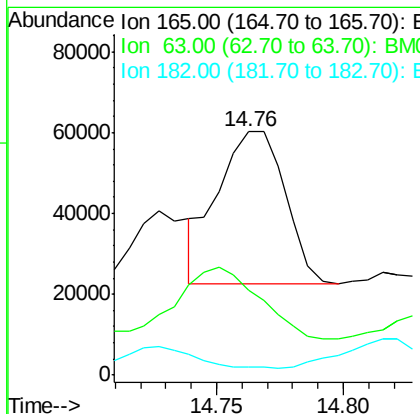
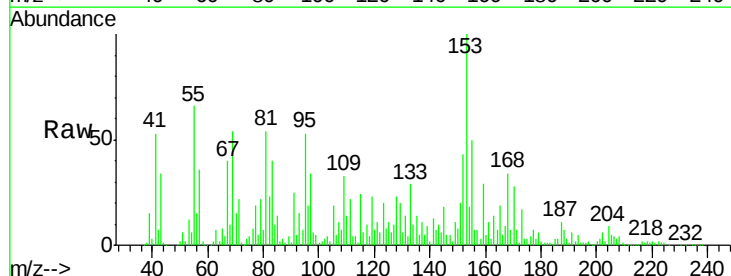
Instrument :
BNA_M
ClientSampleId :
JHGL1RE

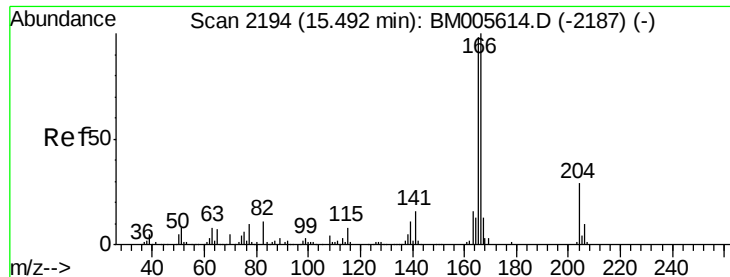
Tgt Ion:109 Resp: 41118
Ion Ratio Lower Upper
109 100
139 23.7 87.5 131.3#
65 23.1 90.2 135.2#



#54
2,4-Dinitrotoluene
Concen: 10.09 ng/ul
RT: 14.76 min Scan# 2070
Delta R.T. -0.05 min
Lab File: BM005628.D
Acq: 24 May 2016 03:05

Tgt Ion:165 Resp: 69061
Ion Ratio Lower Upper
165 100
63 34.9 33.9 50.9
182 3.2 2.3 3.5





#58

Fluorene

Concen: 1.26 ng/ul

RT: 15.50 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

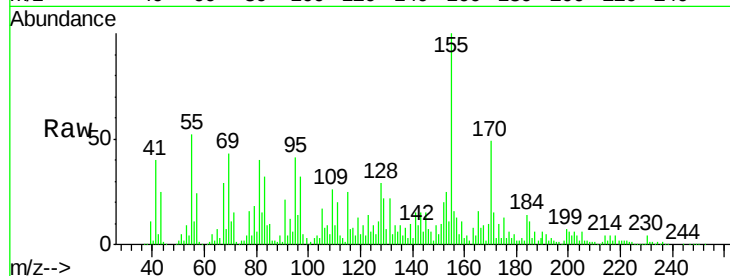
Tgt Ion:166 Resp: 28266

Ion Ratio Lower Upper

166 100

165 210.0 78.0 117.0#

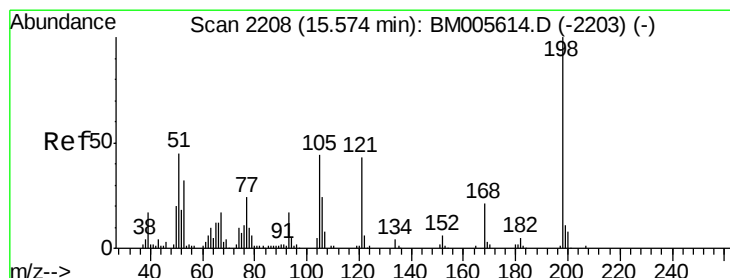
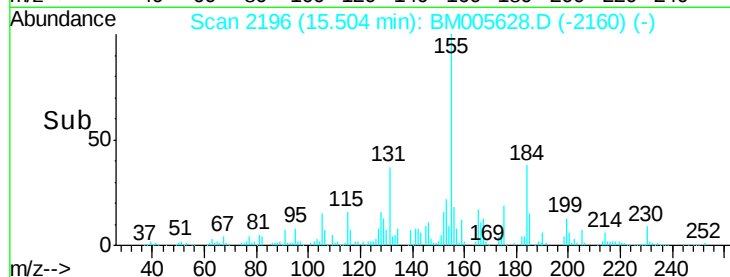
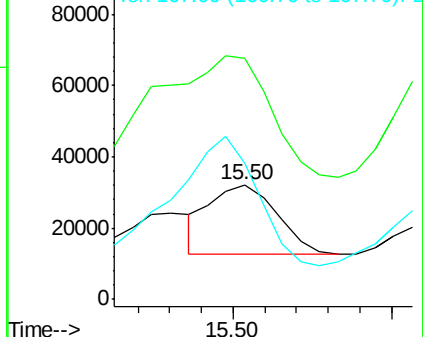
167 118.2 10.5 15.7#



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



#63

4,6-Dinitro-2-methylphenol

Concen: 2.66 ng/ul

RT: 15.54 min Scan# 2203

Delta R.T. -0.03 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

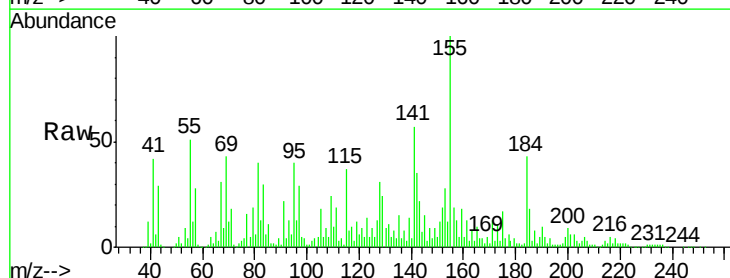
Tgt Ion:198 Resp: 8949

Ion Ratio Lower Upper

198 100

182 62.7 2.5 3.7#

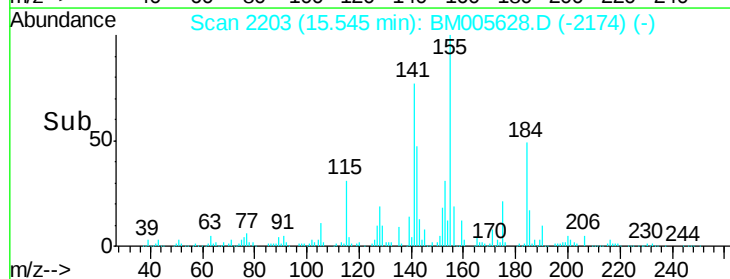
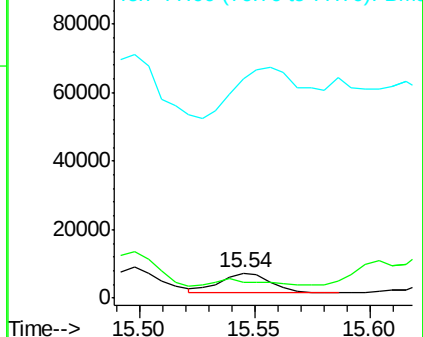
77 879.8 21.8 32.8#

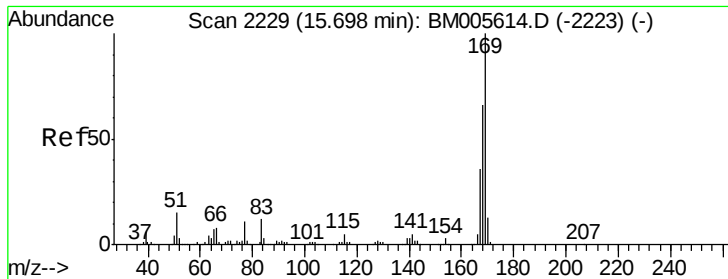


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BMC





#64

N-Nitrosodiphenylamine

Concen: 44.86 ng/ul

RT: 15.72 min Scan# 2233

Delta R.T. 0.02 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

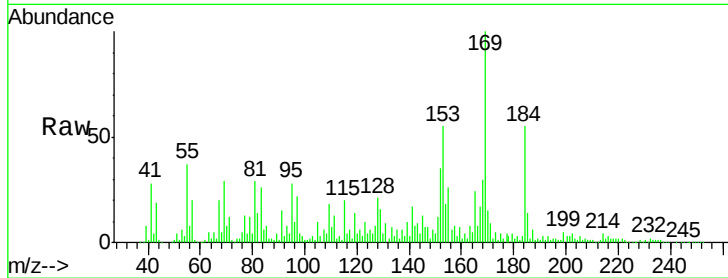
Tgt Ion:169 Resp: 758491

Ion Ratio Lower Upper

169 100

168 29.5 53.2 79.8#

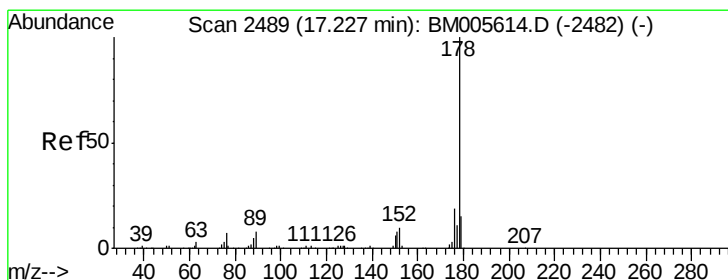
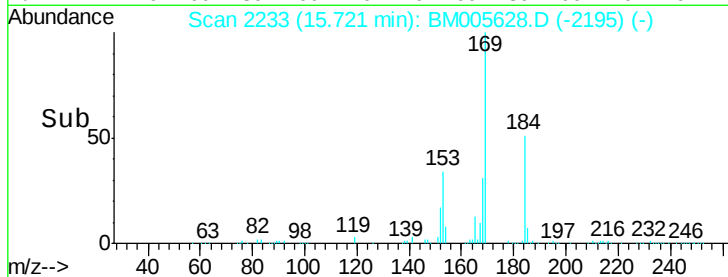
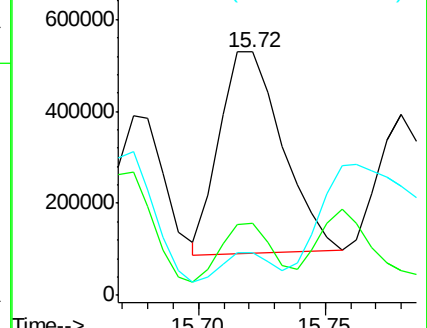
167 17.3 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 11.62 ng/ul

RT: 17.24 min Scan# 2492

Delta R.T. 0.02 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

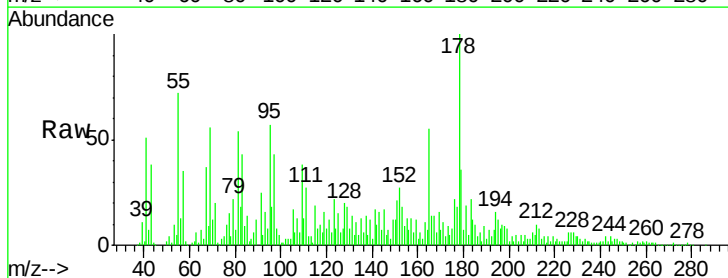
Tgt Ion:178 Resp: 361791

Ion Ratio Lower Upper

178 100

179 36.0 12.2 18.2#

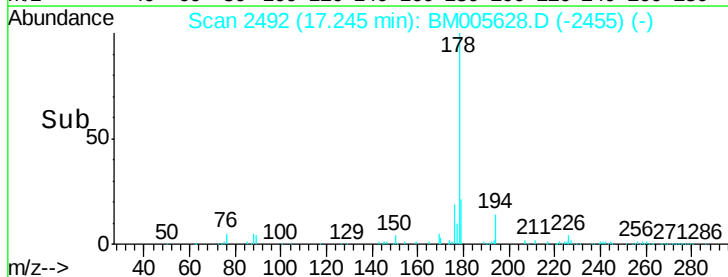
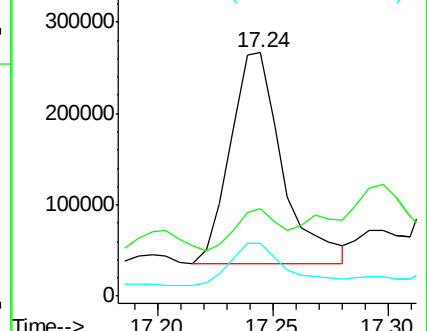
176 21.8 15.8 23.6

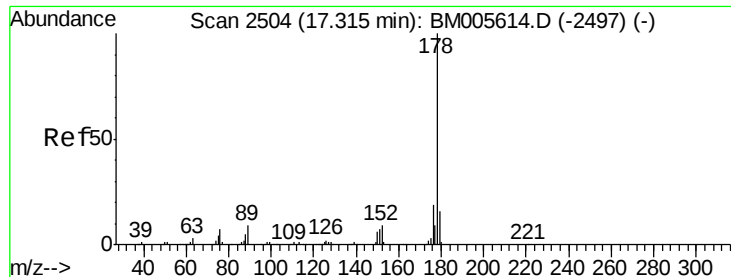


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 13.08 ng/ul

RT: 17.33 min Scan# 2507

Delta R.T. 0.02 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

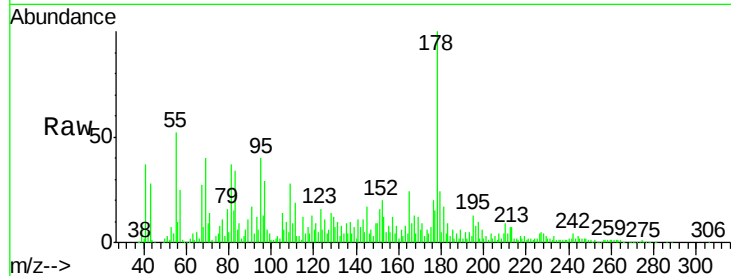
Tgt Ion:178 Resp: 415037

Ion Ratio Lower Upper

178 100

179 24.5 12.6 18.8#

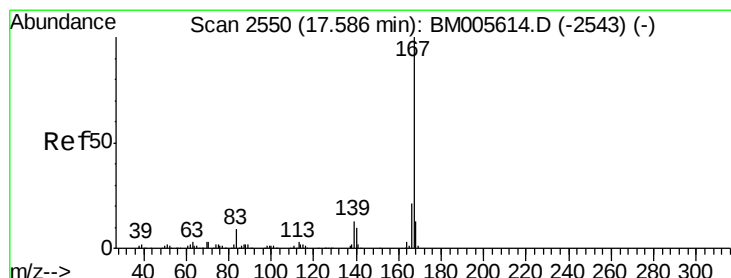
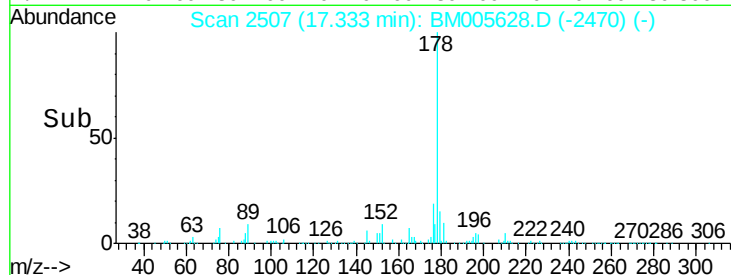
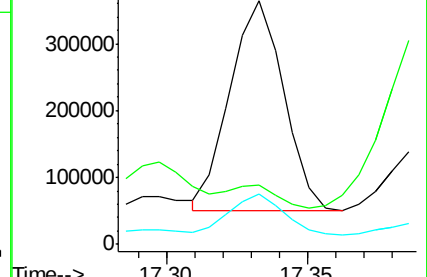
176 20.5 15.0 22.4



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

Carbazole

Concen: 1.09 ng/ul

RT: 17.60 min Scan# 2553

Delta R.T. 0.02 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

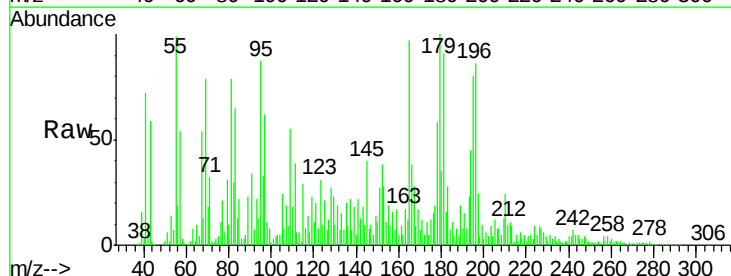
Tgt Ion:167 Resp: 29940

Ion Ratio Lower Upper

167 100

166 137.1 16.9 25.3#

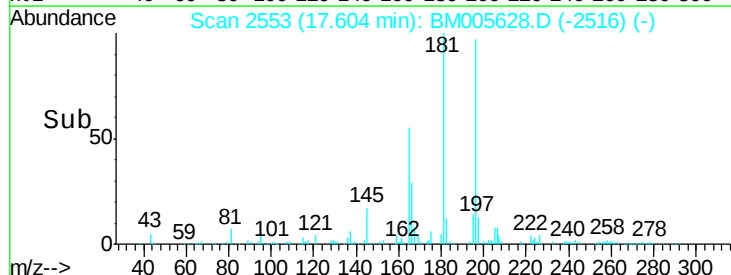
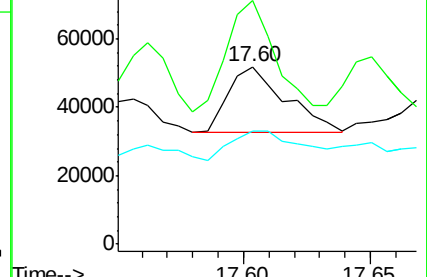
139 63.7 10.6 16.0#

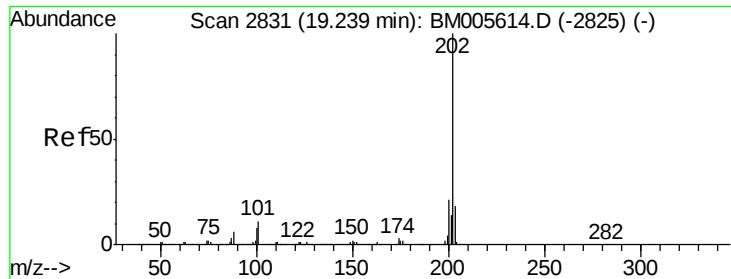


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

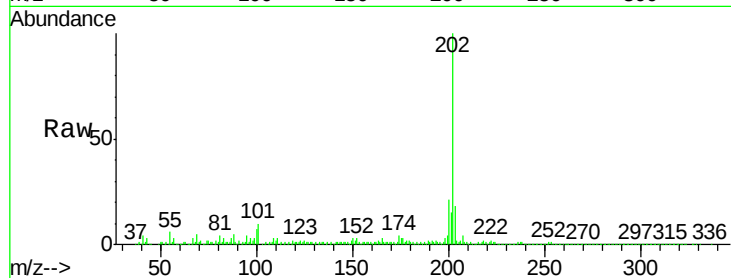




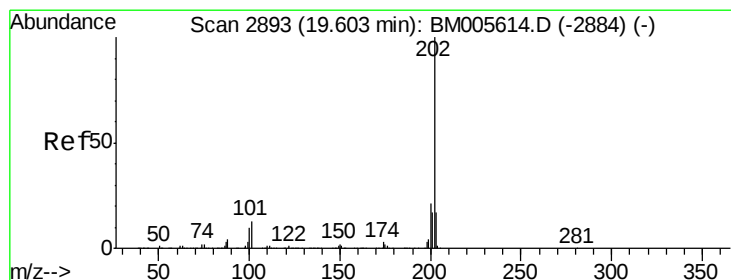
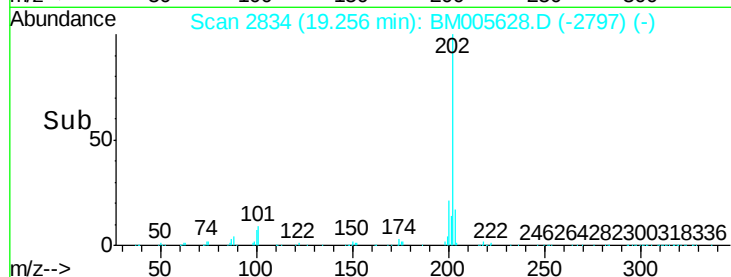
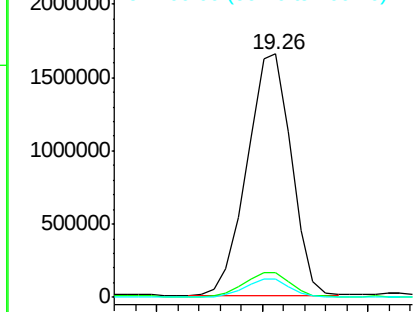
#74
Fluoranthene
Concen: 68.40 ng/ul
RT: 19.26 min Scan# 2834
Delta R.T. 0.02 min
Lab File: BM005628.D
Acq: 24 May 2016 03:05

Instrument :
BNA_M
ClientSampleId :
JHGL1RE

Tgt Ion:202 Resp: 2397867
Ion Ratio Lower Upper
202 100
101 10.2 7.9 11.9
100 7.3 5.6 8.4

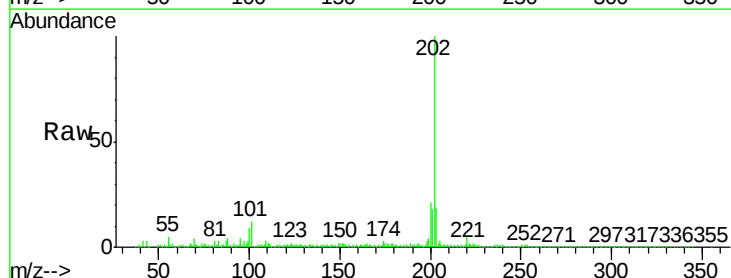


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

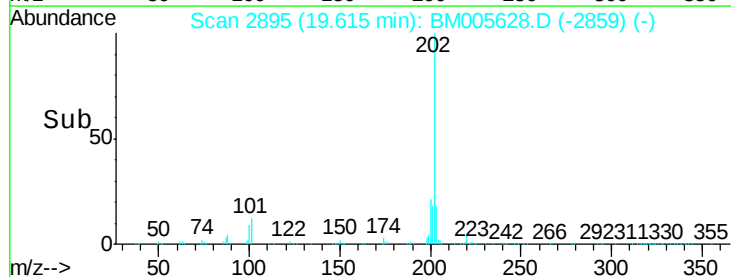
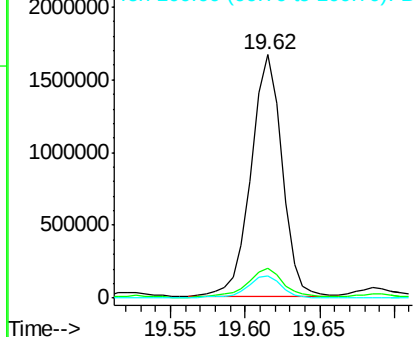


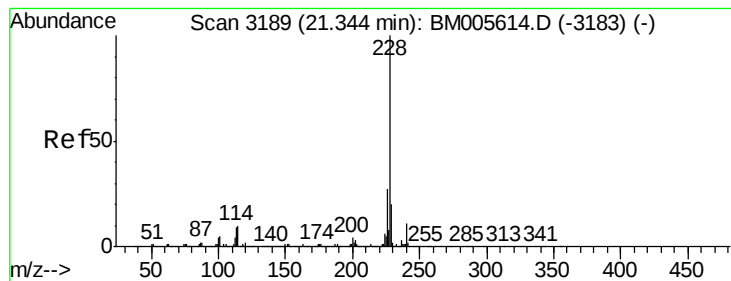
#77
Pyrene
Concen: 61.55 ng/ul
RT: 19.62 min Scan# 2895
Delta R.T. 0.01 min
Lab File: BM005628.D
Acq: 24 May 2016 03:05

Tgt Ion:202 Resp: 2381792
Ion Ratio Lower Upper
202 100
101 12.0 9.6 14.4
100 9.2 7.8 11.6



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

Benzo(a)anthracene

Concen: 19.03 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

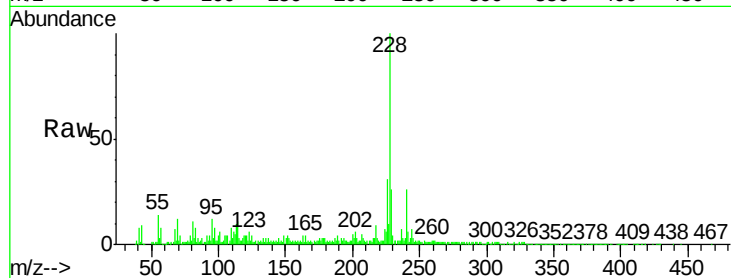
Tgt Ion:228 Resp: 753107

Ion Ratio Lower Upper

228 100

229 26.0 15.4 23.2#

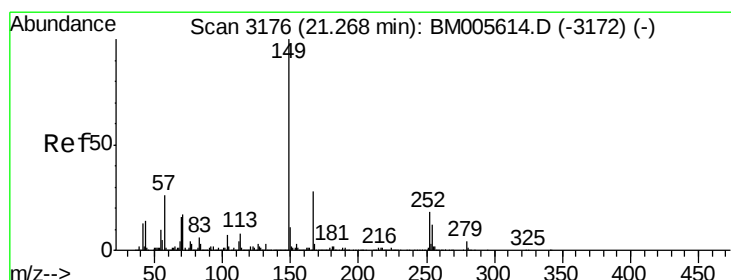
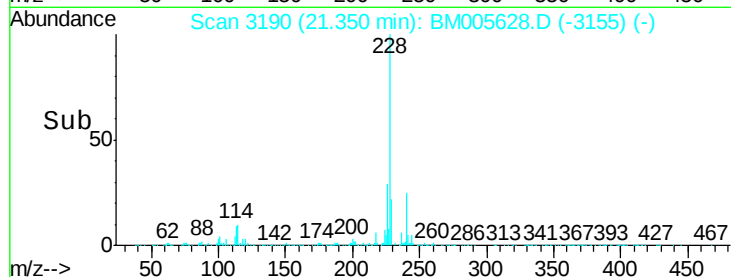
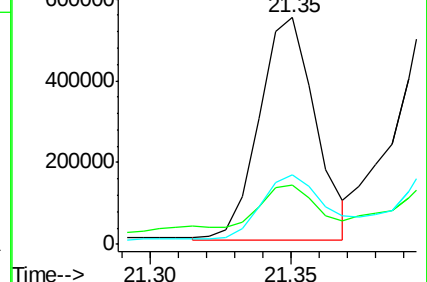
226 30.8 21.0 31.4



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 6.30 ng/ul

RT: 21.27 min Scan# 3176

Delta R.T. -0.00 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

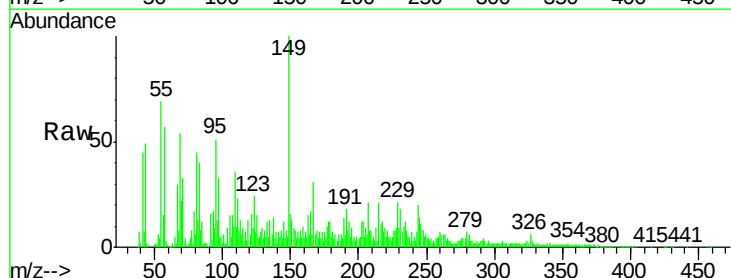
Tgt Ion:149 Resp: 145044

Ion Ratio Lower Upper

149 100

167 30.6 22.0 33.0

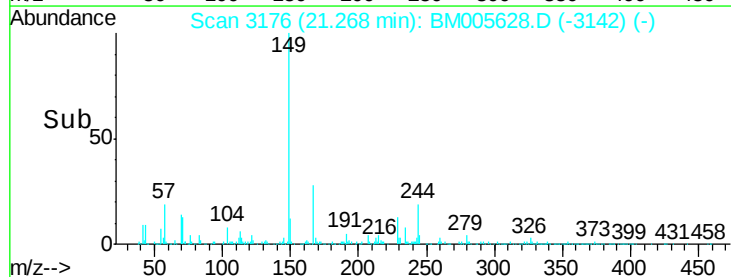
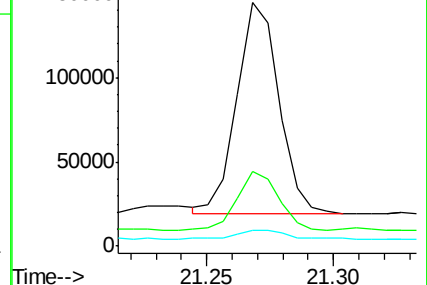
279 6.7 3.8 5.8#

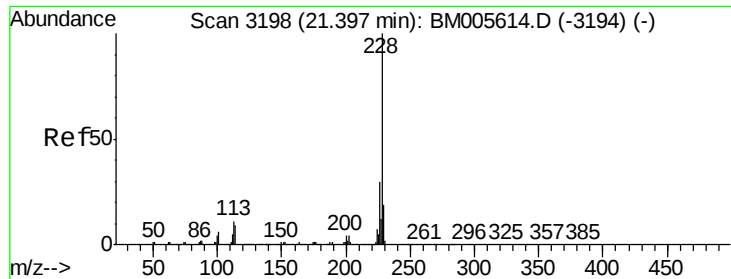


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 24.69 ng/ul

RT: 21.40 min Scan# 3198

Delta R.T. -0.00 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

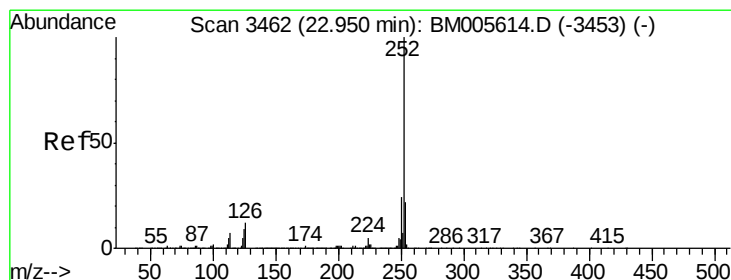
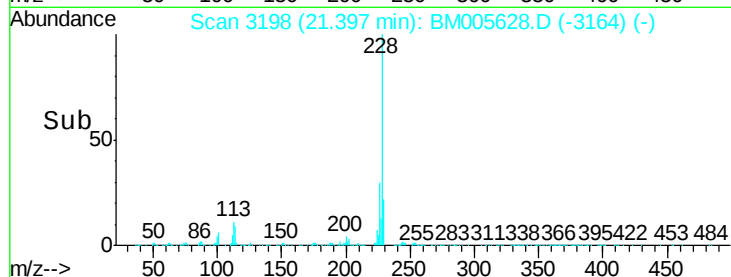
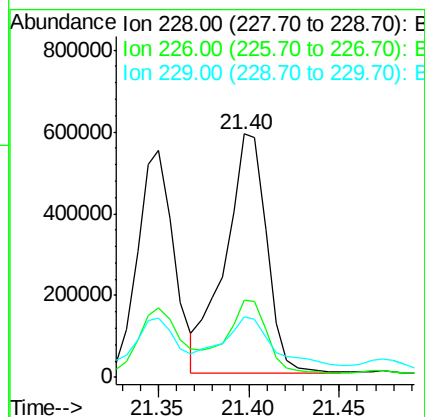
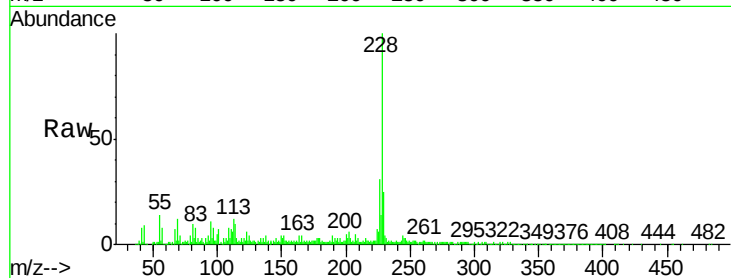
Tgt Ion:228 Resp: 929603

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

229 25.0 15.5 23.3#



#85

Benzo(b)fluoranthene

Concen: 21.20 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

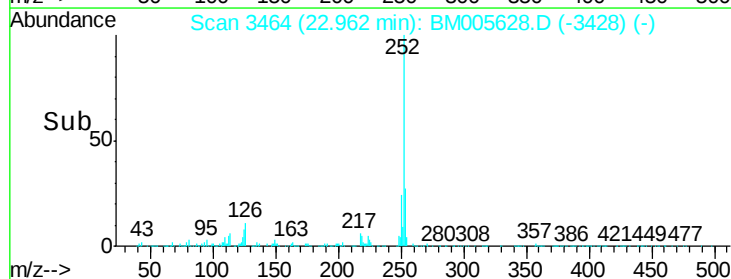
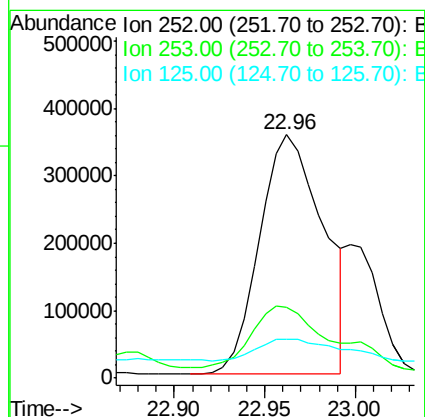
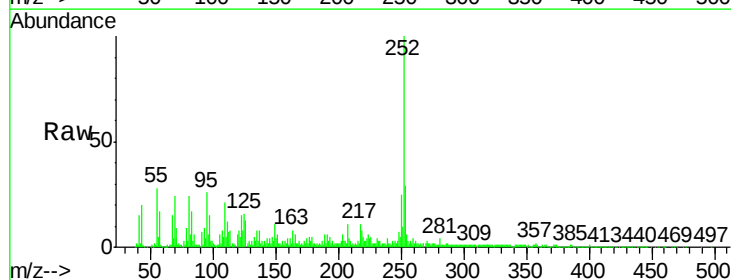
Tgt Ion:252 Resp: 867631

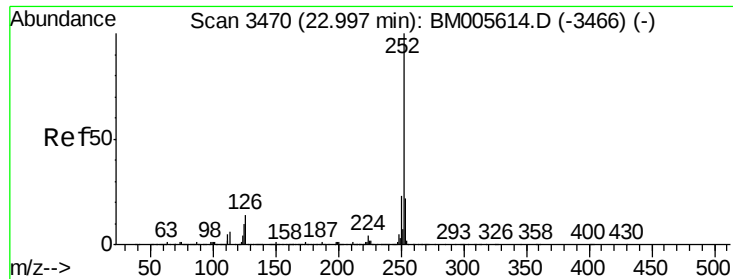
Ion Ratio Lower Upper

252 100

253 29.1 17.3 25.9#

125 16.0 7.0 10.4#





#86

Benzo(k)fluoranthene

Concen: 22.40 ng/ul

RT: 22.96 min Scan# 3464

Delta R.T. -0.04 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

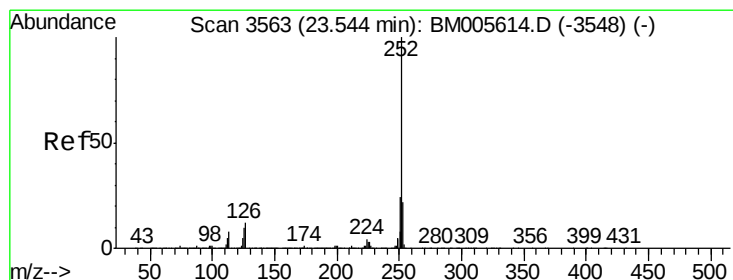
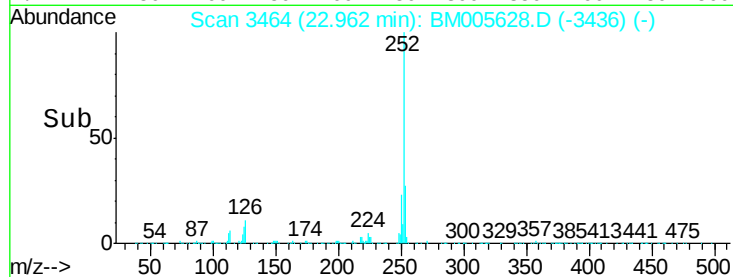
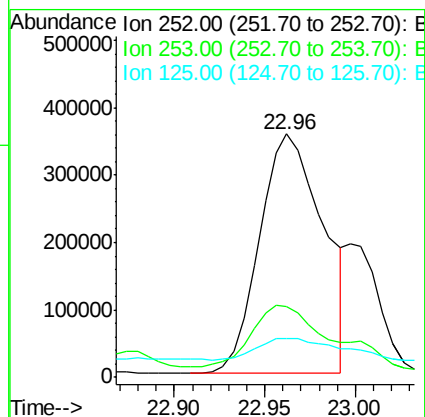
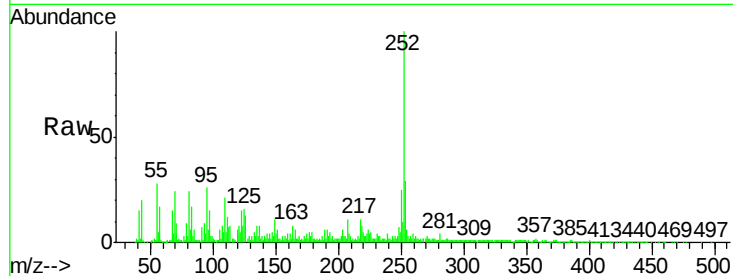
Tgt Ion:252 Resp: 867631

Ion Ratio Lower Upper

252 100

253 29.1 17.5 26.3#

125 16.0 7.0 10.6#



#88

Benzo(a)pyrene

Concen: 17.63 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

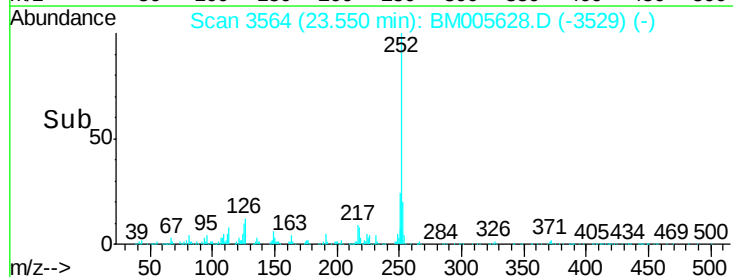
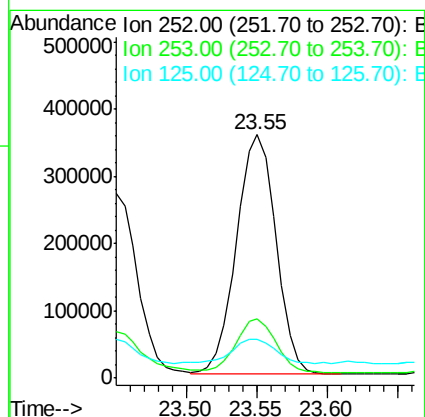
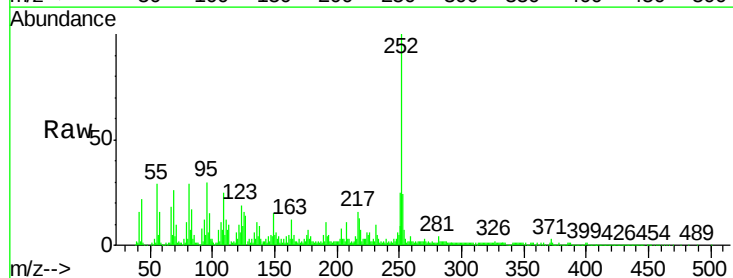
Tgt Ion:252 Resp: 699898

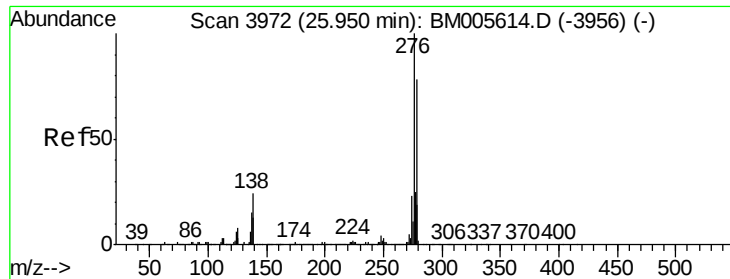
Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 15.9 7.6 11.4#





#89

Indeno(1,2,3-cd)pyrene

Concen: 9.59 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. 0.02 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

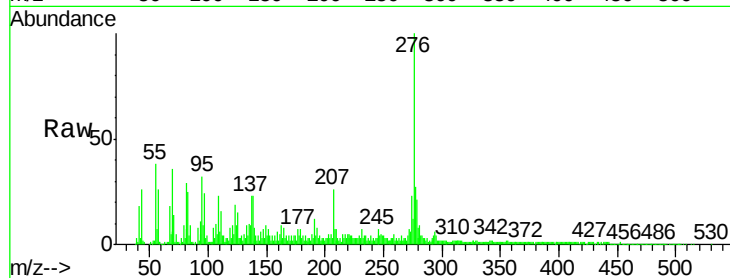
Tgt Ion:276 Resp: 452412

Ion Ratio Lower Upper

276 100

138 22.7 16.9 25.3

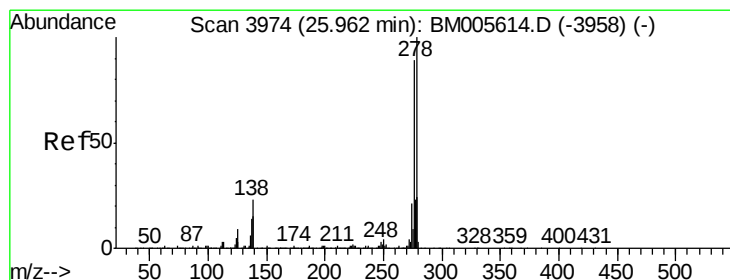
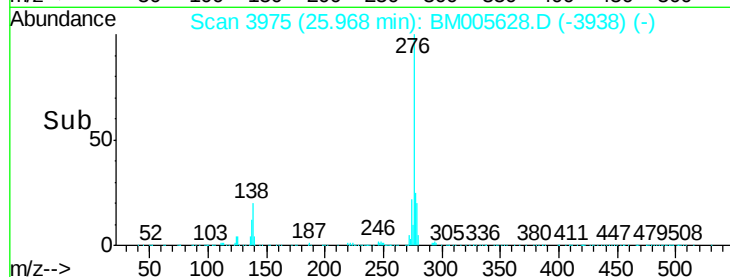
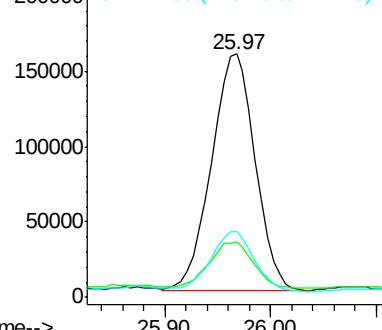
277 27.0 20.2 30.4



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



#90

Dibenzo(a,h)anthracene

Concen: 2.70 ng/ul

RT: 25.97 min Scan# 3975

Delta R.T. 0.01 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

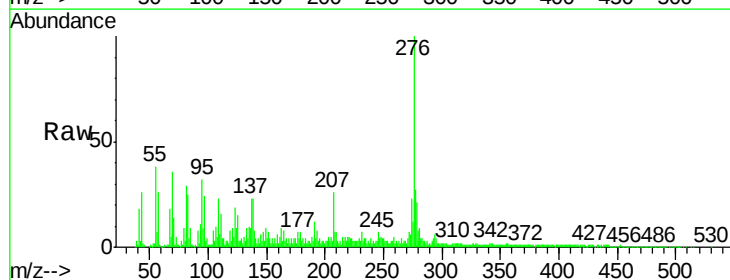
Tgt Ion:278 Resp: 105898

Ion Ratio Lower Upper

278 100

139 39.1 11.8 17.6#

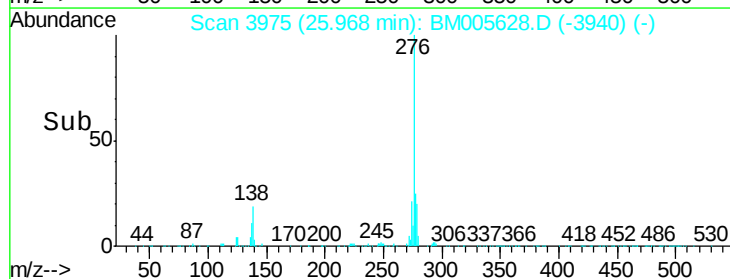
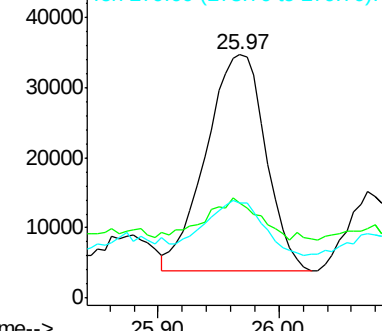
279 38.9 19.4 29.2#

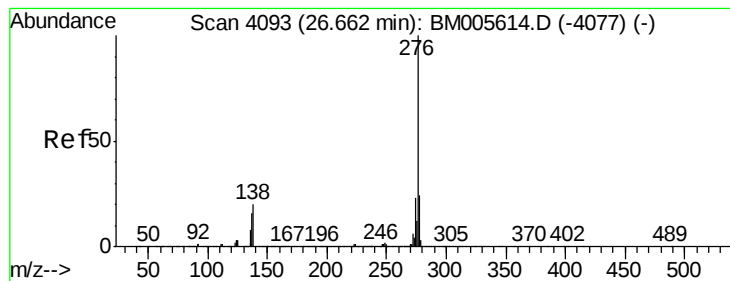


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.69 ng/ul

RT: 26.68 min Scan# 4096

Delta R.T. 0.02 min

Lab File: BM005628.D

Acq: 24 May 2016 03:05

Instrument :

BNA_M

ClientSampleId :

JHGL1RE

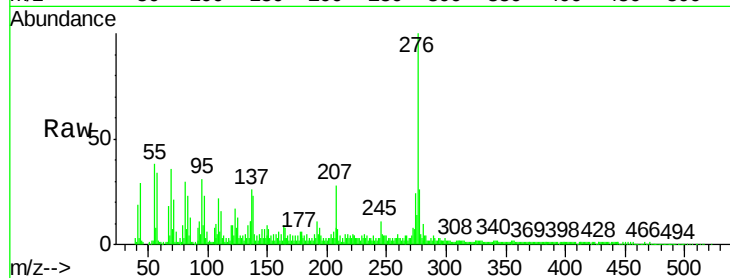
Tgt Ion: 276 Resp: 463402

Ion Ratio Lower Upper

276 100

138 22.9 15.0 22.6#

277 26.0 18.6 28.0



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

