

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010706.D
 Acq On : 24 Jun 2017 00:50
 Operator : SJ/JU
 Sample : I3625-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C82

Quant Time: Jun 24 04:42:04 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 24 04:37:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	87084	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	389225	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.12	164	279398	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.88	188	626802	20.00	ng/ul	0.01
75) Chrysene-d12	21.10	240	668094	20.00	ng/ul	0.02
83) Perylene-d12	23.23	264	443783	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	4476	2.95	ng/uL	0.00
5) Phenol-d5	6.65	99	133290	16.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	77186	16.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	101772	17.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	117486	17.08	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	58573	21.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	70038	21.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	126097	18.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	148584	20.94	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	474773	19.36	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	541452	18.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	78985	18.30	ng/ul	0.00
57) Fluorene-d10	15.12	176	413878	19.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.27	200	60034	15.59	ng/ul	0.03
70) Anthracene-d10	16.88	188	626802	20.71	ng/ul	-0.09
76) Pyrene-d10	19.29	212	803177	25.88	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.09	264	485863	22.65	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.68	94	478190	55.965	ng/ul	96
11) 2-Methylphenol	7.90	108	213158	32.730	ng/ul	90
16) 4-Methylphenol	8.24	108	712588	99.449	ng/ul	99
17) Hexachloroethane	8.56	117	10115	3.910	ng/ul#	1
24) 2,4-Dimethylphenol	9.43	107	296896	34.399	ng/ul	97
30) 4-Chloroaniline	10.33	127	6217121	871.064	ng/ul#	19
34) 2-Methylnaphthalene	11.92	142	9058915	581.806	ng/ul	97
40) 1,1'-Biphenyl	12.94	154	1967029	90.051	ng/ul	99
44) Dimethylphthalate	13.59	163	134127	5.579	ng/ul	97
47) Acenaphthylene	13.83	152	257796	9.487	ng/ul#	90
49) Acenaphthene	14.20	153	7977019	435.192	ng/ul	99
53) Dibenzofuran	14.53	168	8598511	309.754	ng/ul	91
54) 2,4-Dinitrotoluene	14.49	165	15318	2.371	ng/ul#	43
58) Fluorene	15.19	166	8951000	385.134	ng/ul	100
60) 4-Nitroaniline	15.19	138	124102	25.018	ng/ul#	1
64) N-Nitrosodiphenylamine	15.39	169	37657	2.166	ng/ul#	1
69) Phenanthrene	17.03	178	5296630	158.948	ng/ul	99
71) Anthracene	17.03	178	5296630	154.282	ng/ul	98
72) Carbazole	17.29	167	2077500	69.361	ng/ul	98
74) Fluoranthene	19.10	202	85183	1.984	ng/ul#	95
77) Pyrene	19.33	202	17694879	458.544	ng/ul#	88
80) Benzo(a)anthracene	21.08	228	5309892	136.482	ng/ul	97
82) Chrysene	21.13	228	3409039	98.277	ng/ul	98

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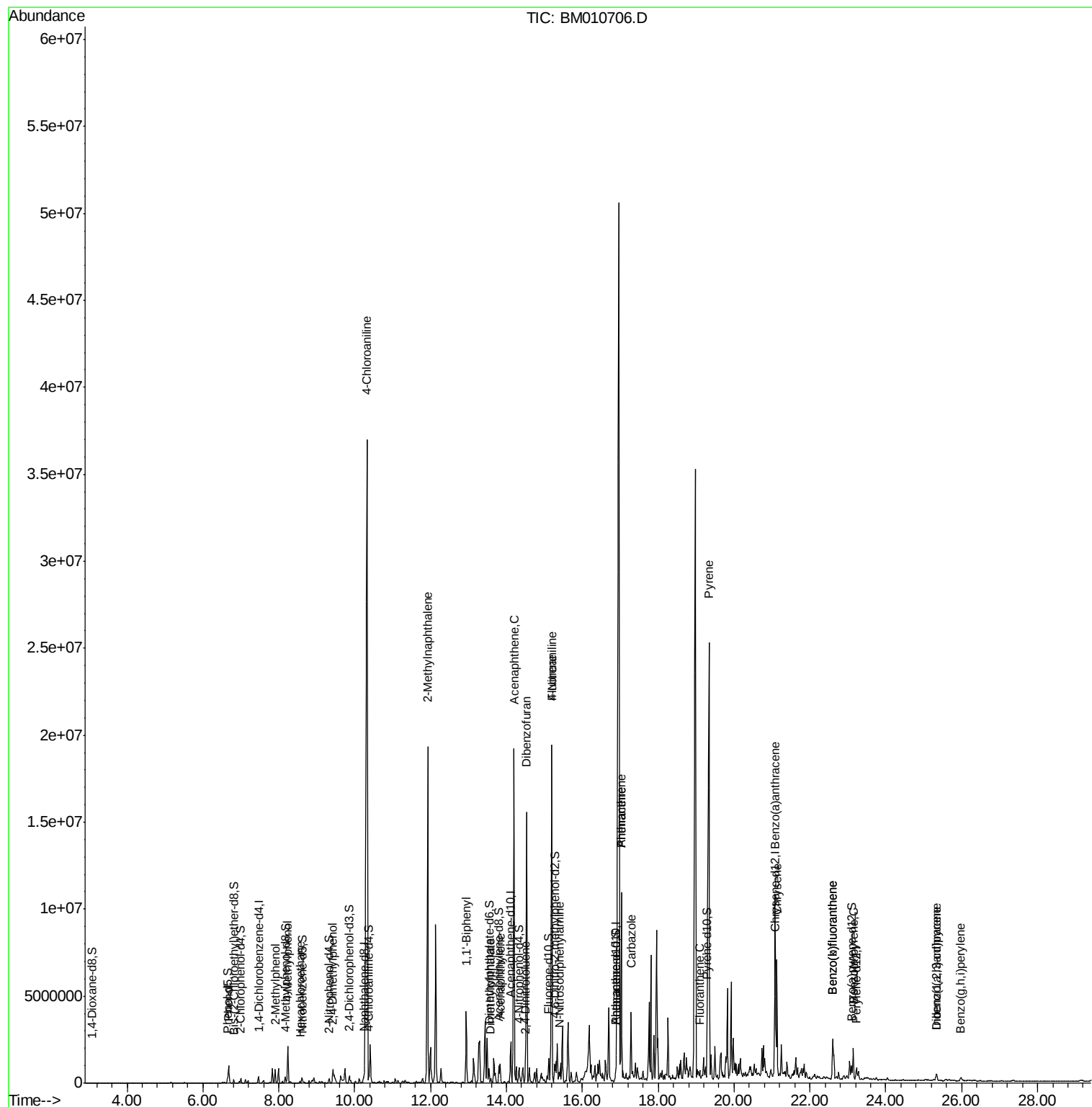
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Benzo(b)fluoranthene	22.60	252	2145256	74.469	ng/ul#	99
86) Benzo(k)fluoranthene	22.60	252	2145256	78.552	ng/ul#	98
88) Benzo(a)pyrene	23.14	252	1174992	44.304	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.33	276	345497	12.561	ng/ul	98
90) Dibenzo(a,h)anthracene	25.34	278	102042	4.452	ng/ul#	98
91) Benzo(g,h,i)perylene	25.98	276	219039	10.004	ng/ul#	94

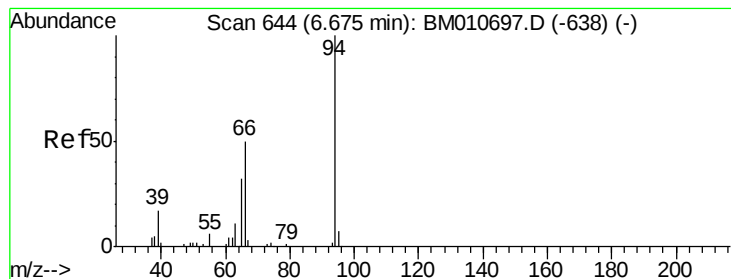
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 55.965 ng/ul

RT: 6.68 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

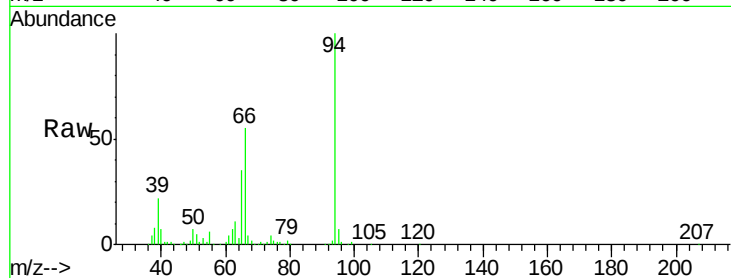
Tgt Ion: 94 Resp: 478190

Ion Ratio Lower Upper

94 100

65 35.1 28.2 42.4

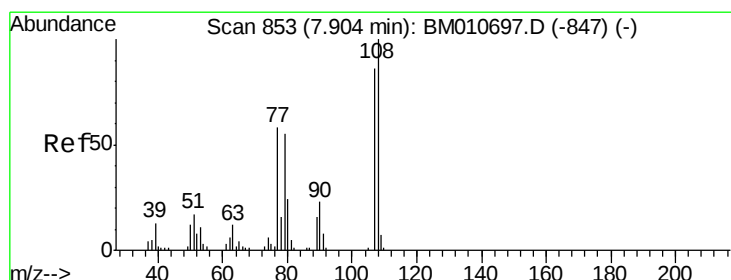
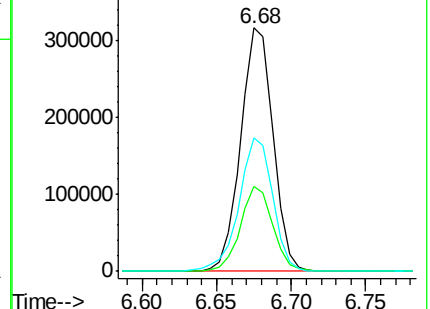
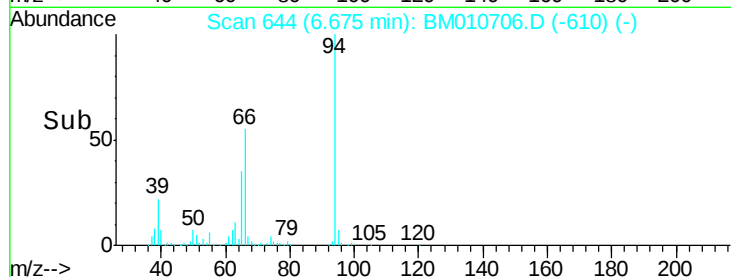
66 54.7 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010706.D (-610) (-)

Ion 65.00 (64.70 to 65.70): BM010706.D (-610) (-)

Ion 66.00 (65.70 to 66.70): BM010706.D (-610) (-)



#11

2-Methylphenol

Concen: 32.730 ng/ul

RT: 7.90 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM010706.D

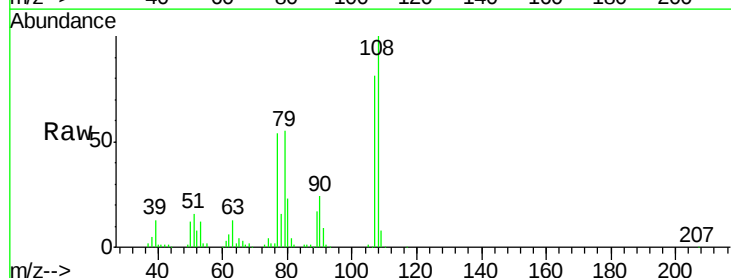
Acq: 24 Jun 2017 00:50

Tgt Ion:108 Resp: 213158

Ion Ratio Lower Upper

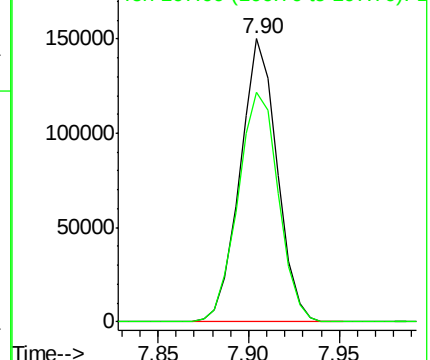
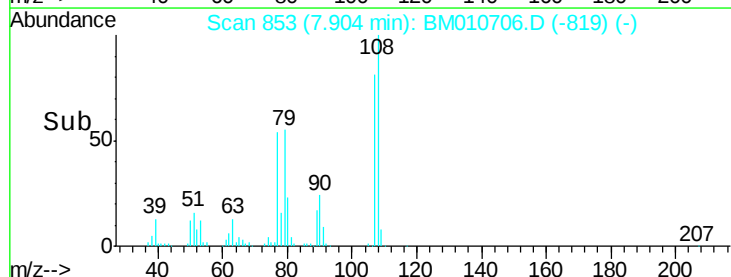
108 100

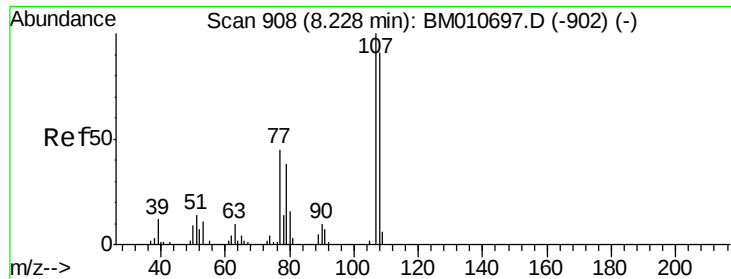
107 81.2 72.6 108.8



Abundance Ion 108.00 (107.70 to 108.70): BM010706.D (-819) (-)

Ion 107.00 (106.70 to 107.70): BM010706.D (-819) (-)

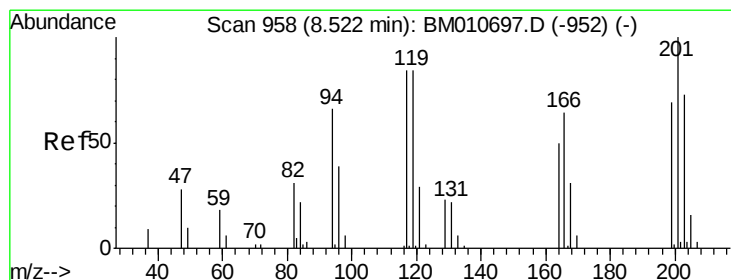
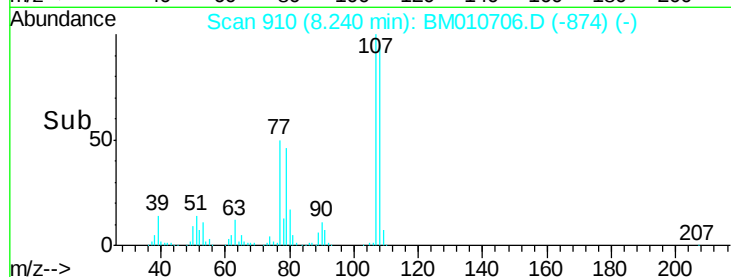
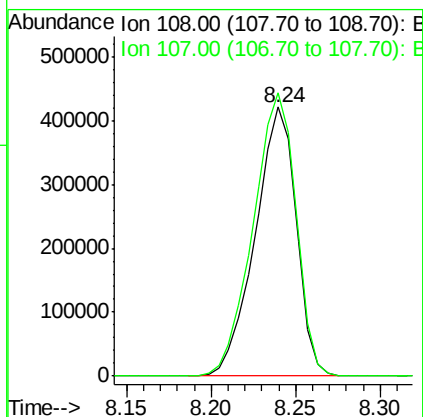
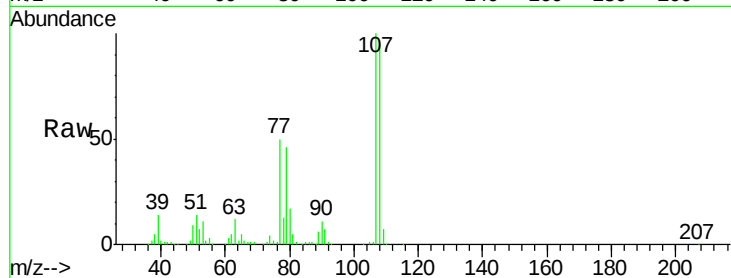




#16
4-Methylphenol
Concen: 99.449 ng/ul
RT: 8.24 min Scan# 910
Delta R.T. 0.01 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

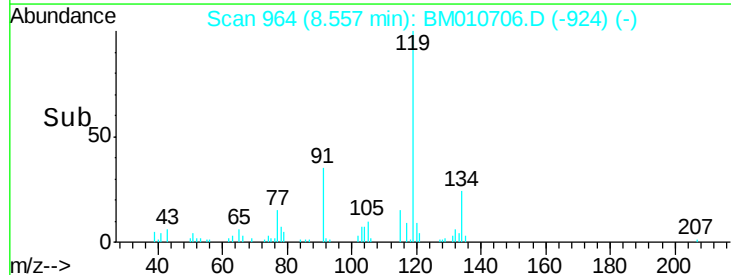
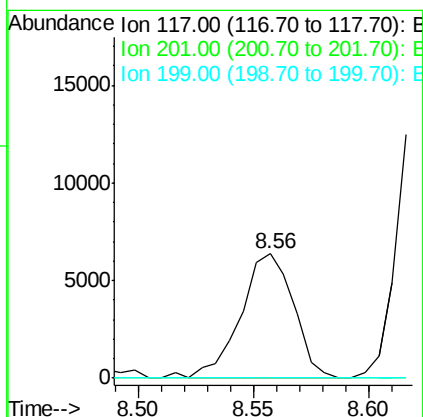
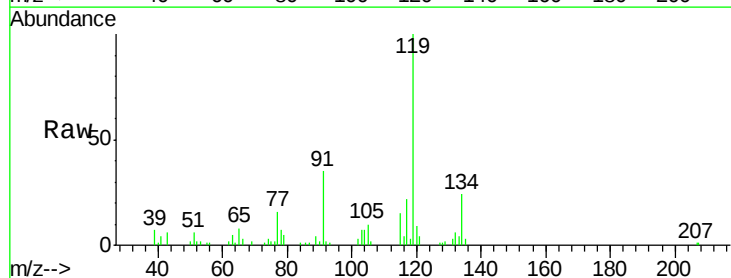
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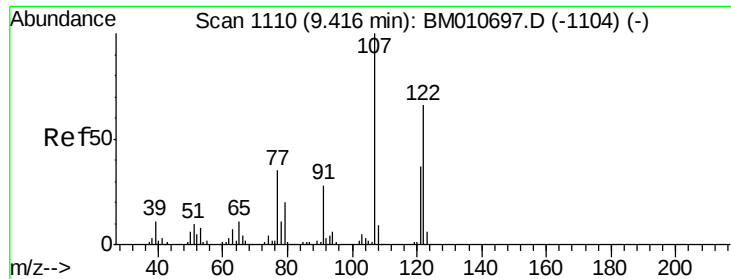
Tgt Ion:108 Resp: 712588
Ion Ratio Lower Upper
108 100
107 105.3 84.9 127.3



#17
Hexachloroethane
Concen: 3.910 ng/ul
RT: 8.56 min Scan# 964
Delta R.T. 0.04 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

Tgt Ion:117 Resp: 10115
Ion Ratio Lower Upper
117 100
201 0.0 111.6 167.4#
199 0.0 67.8 101.6#

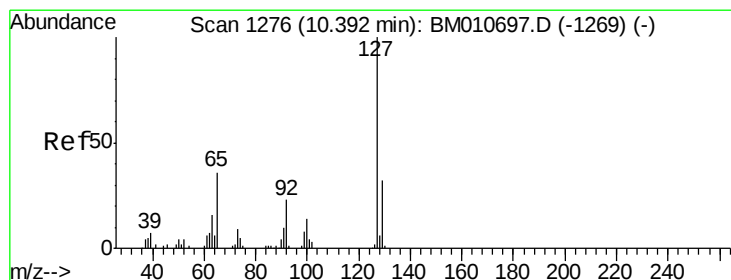
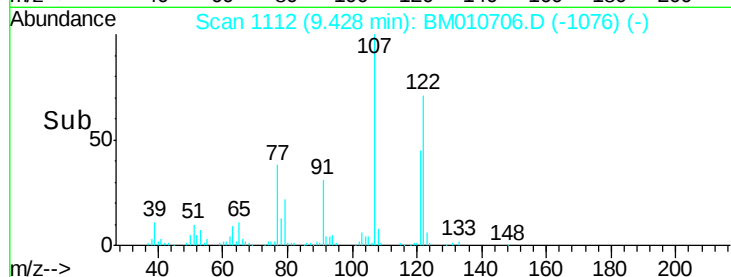
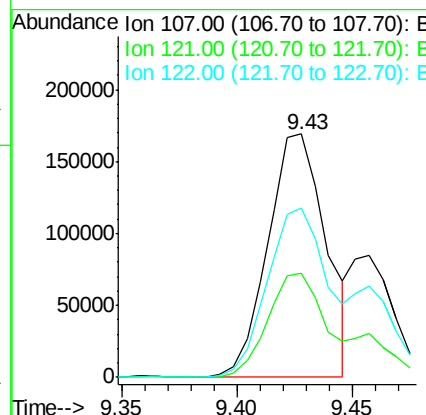
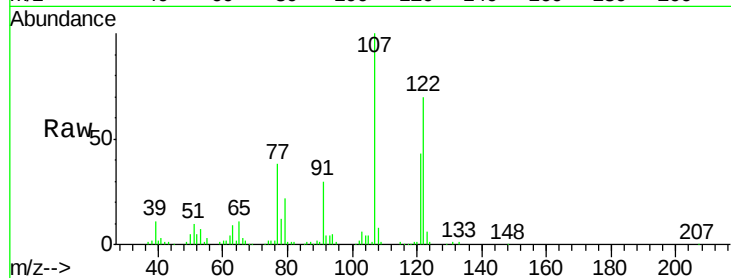




#24
2,4-Dimethylphenol
Concen: 34.399 ng/ul
RT: 9.43 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

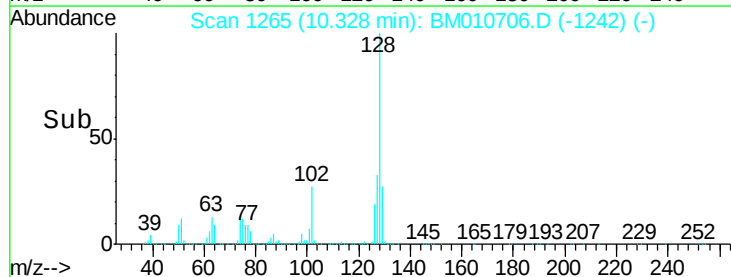
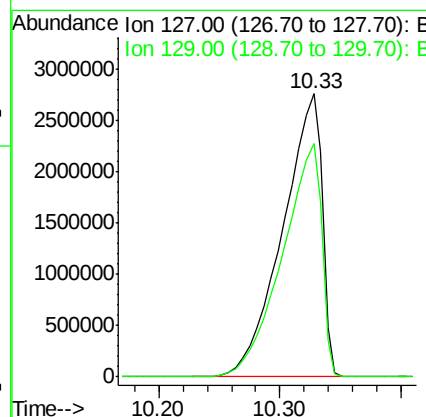
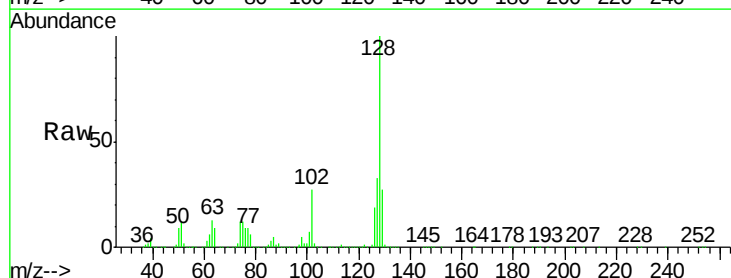
Instrument :
BNA_M
ClientSampleId :
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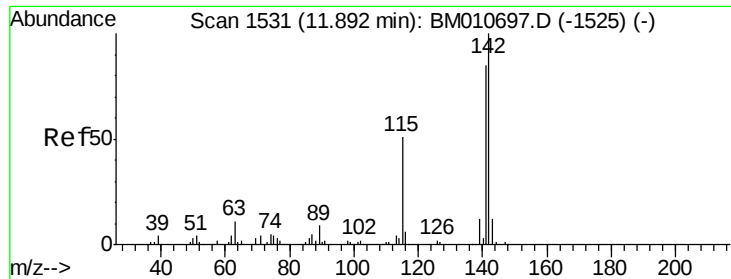
Tgt Ion:107 Resp: 296896
Ion Ratio Lower Upper
107 100
121 42.6 31.9 47.9
122 69.7 57.8 86.6



#30
4-Chloroaniline
Concen: 871.064 ng/ul
RT: 10.33 min Scan# 1265
Delta R.T. -0.06 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

Tgt Ion:127 Resp: 6217121
Ion Ratio Lower Upper
127 100
129 82.7 28.4 42.6#

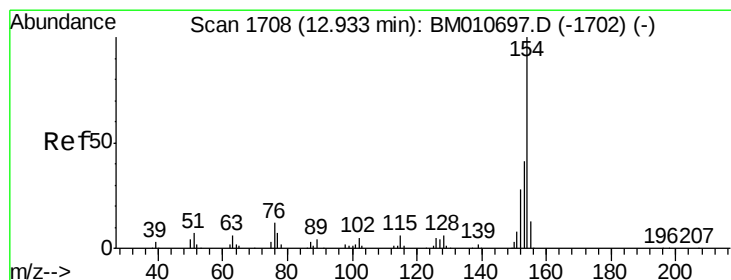
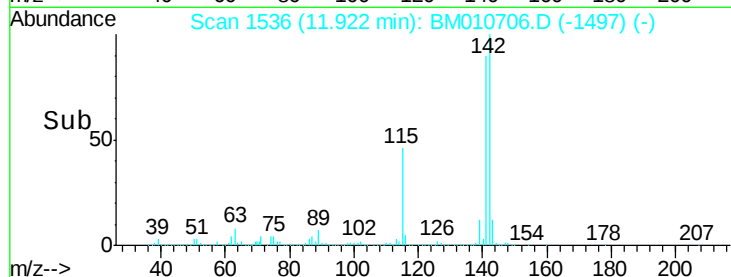
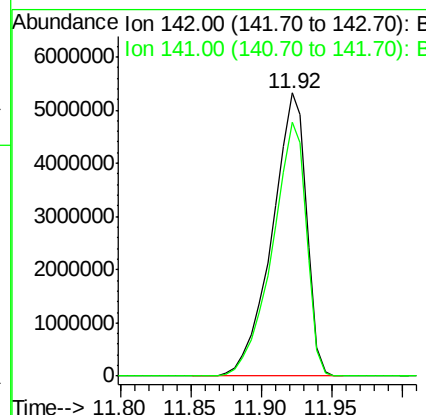
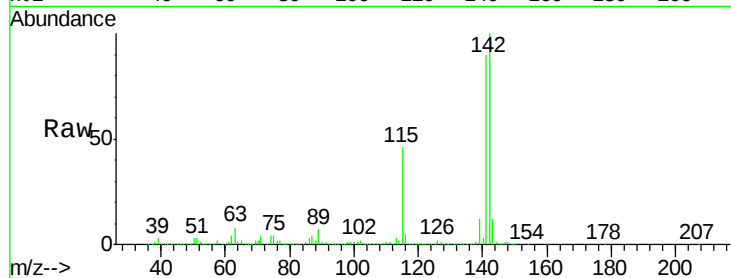




#34
 2-Methylnaphthalene
 Concen: 581.806 ng/ul
 RT: 11.92 min Scan# 1536
 Delta R.T. 0.03 min
 Lab File: BM010706.D
 Acq: 24 Jun 2017 00:50

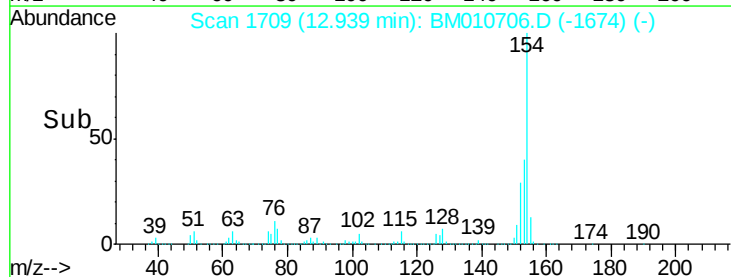
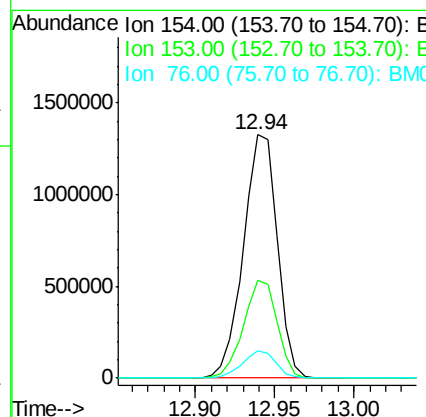
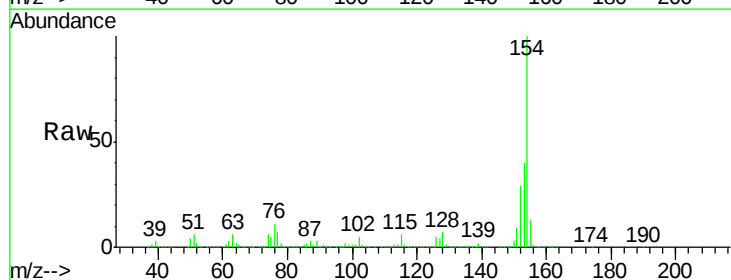
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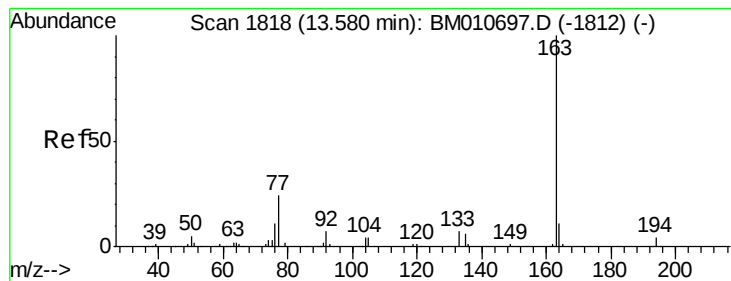
Tgt Ion:142 Resp: 9058915
 Ion Ratio Lower Upper
 142 100
 141 89.5 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 90.051 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BM010706.D
 Acq: 24 Jun 2017 00:50

Tgt Ion:154 Resp: 1967029
 Ion Ratio Lower Upper
 154 100
 153 39.9 32.6 48.8
 76 11.1 8.5 12.7





#44

Dimethylphthalate

Concen: 5.579 ng/ul

RT: 13.59 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

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ClientSampleId :

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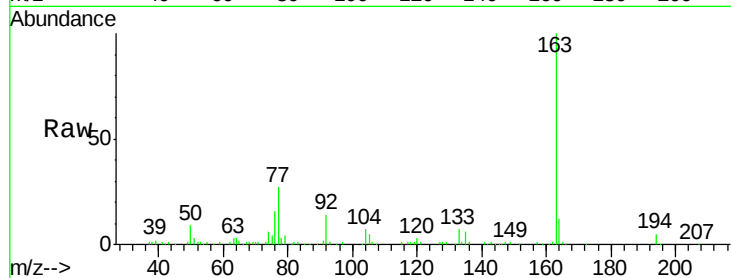
Tgt Ion:163 Resp: 134127

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

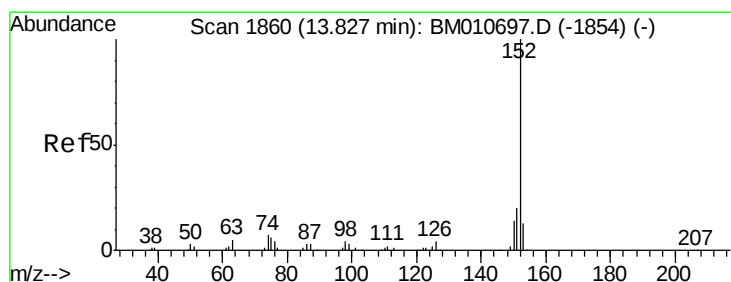
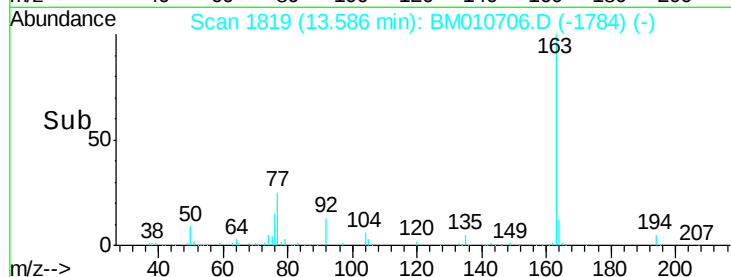
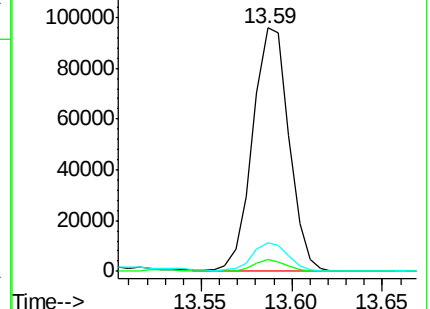
164 11.7 8.2 12.4



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



#47

Acenaphthylene

Concen: 9.487 ng/ul

RT: 13.83 min Scan# 1861

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

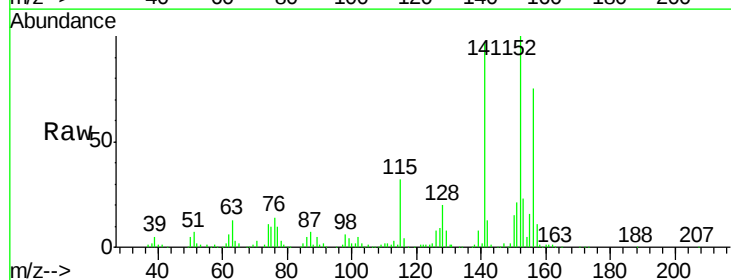
Tgt Ion:152 Resp: 257796

Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

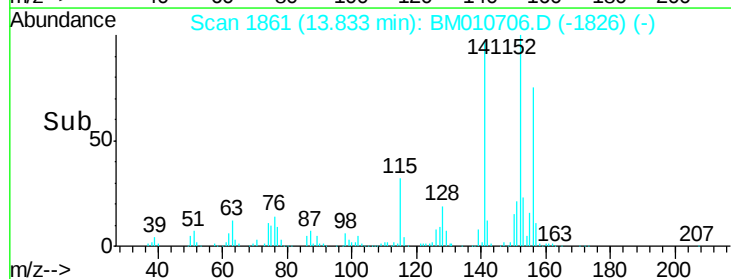
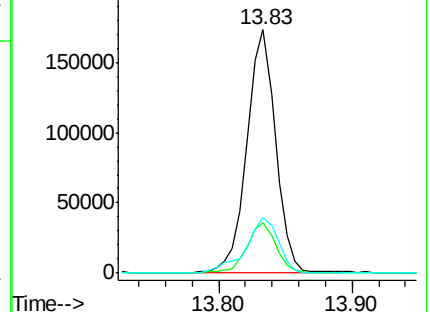
153 22.6 10.2 15.4#

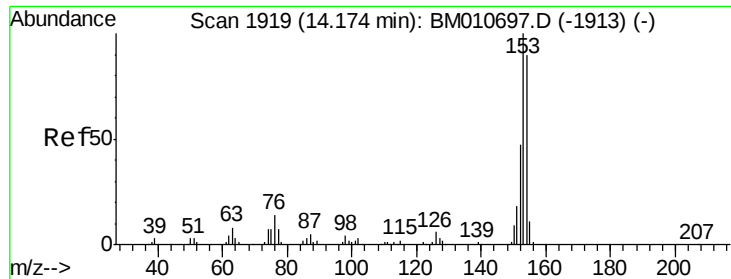


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 435.192 ng/ul

RT: 14.20 min Scan# 1923

Delta R.T. 0.02 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

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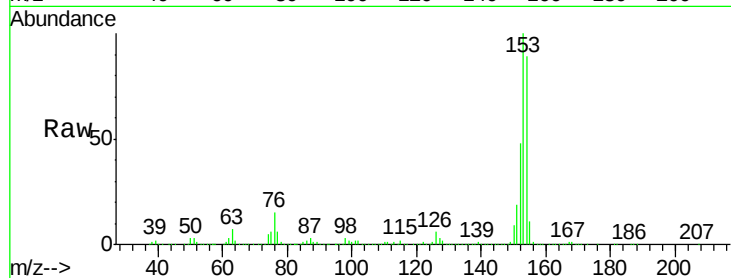
Tgt Ion:153 Resp: 7977019

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

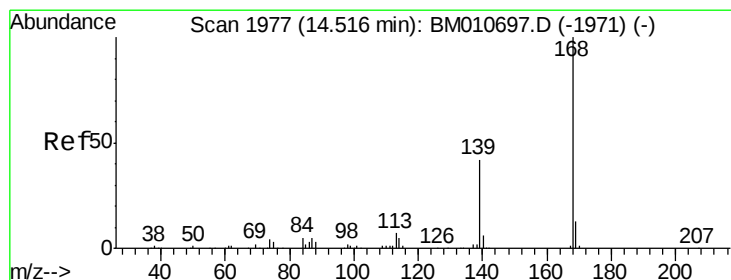
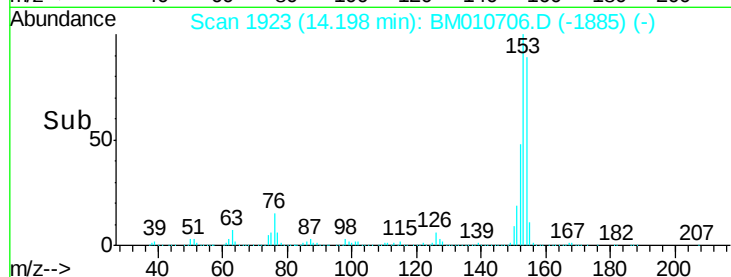
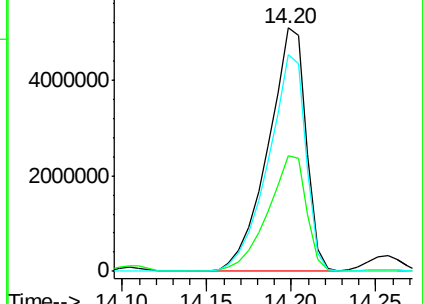
154 89.2 70.4 105.6



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

Dibenzofuran

Concen: 309.754 ng/ul

RT: 14.53 min Scan# 1980

Delta R.T. 0.02 min

Lab File: BM010706.D

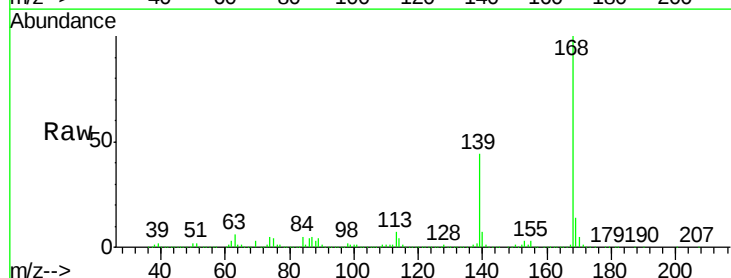
Acq: 24 Jun 2017 00:50

Tgt Ion:168 Resp: 8598511

Ion Ratio Lower Upper

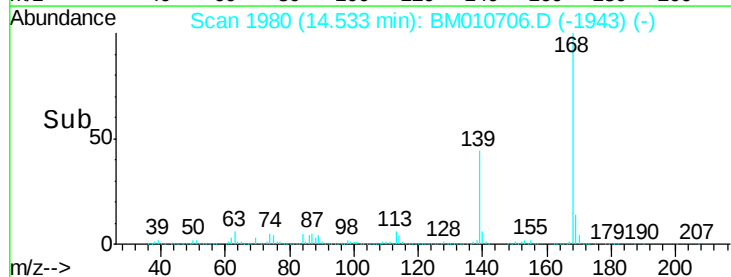
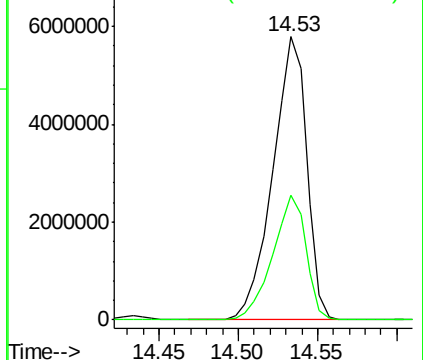
168 100

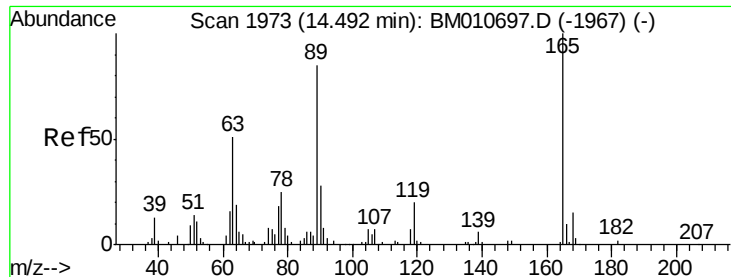
139 44.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 2.371 ng/ul

RT: 14.49 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

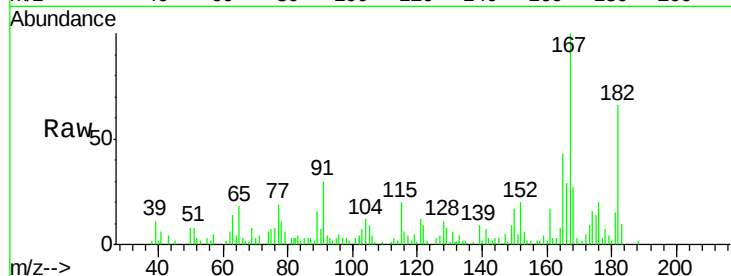
Tgt Ion:165 Resp: 15318

Ion Ratio Lower Upper

165 100

63 31.7 45.8 68.8#

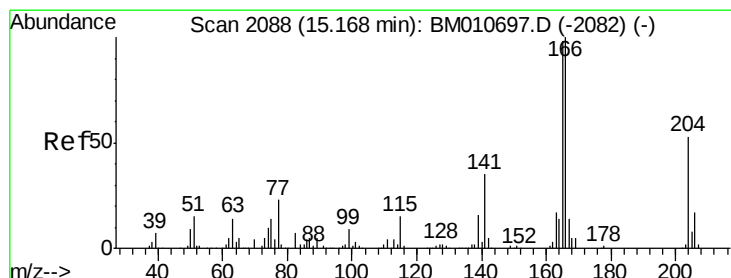
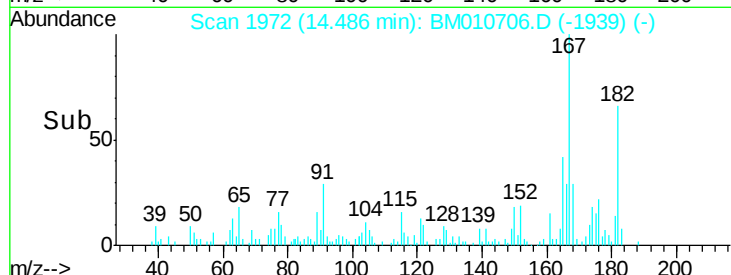
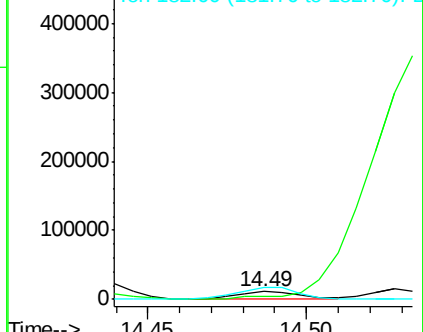
182 153.1 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 385.134 ng/ul

RT: 15.19 min Scan# 2092

Delta R.T. 0.02 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

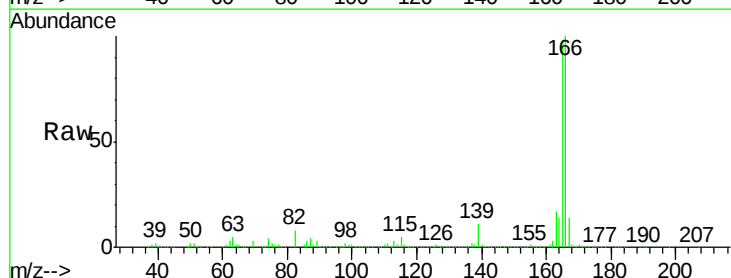
Tgt Ion:166 Resp: 8951000

Ion Ratio Lower Upper

166 100

165 97.5 77.9 116.9

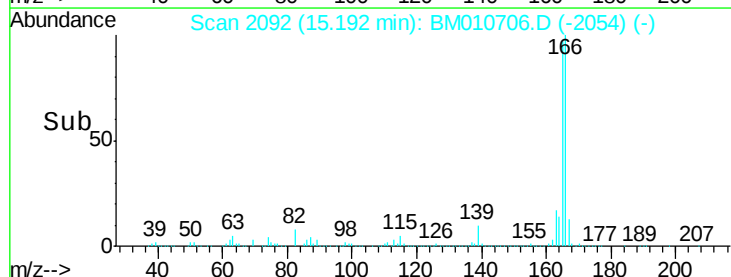
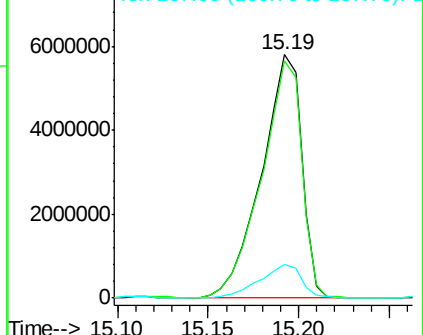
167 13.8 10.6 16.0

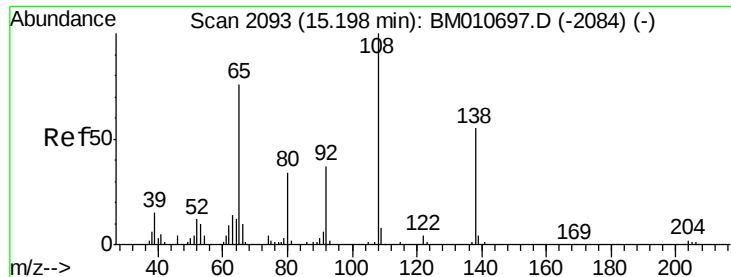


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

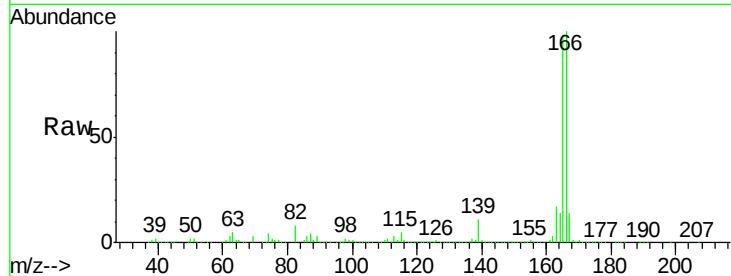




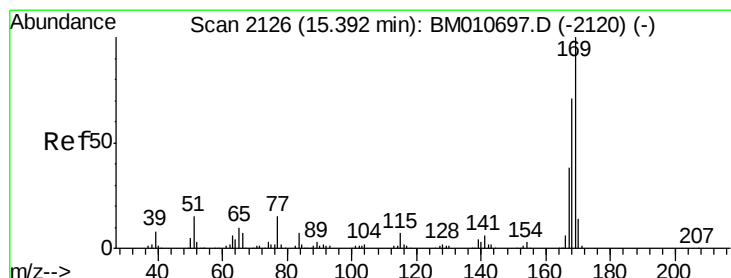
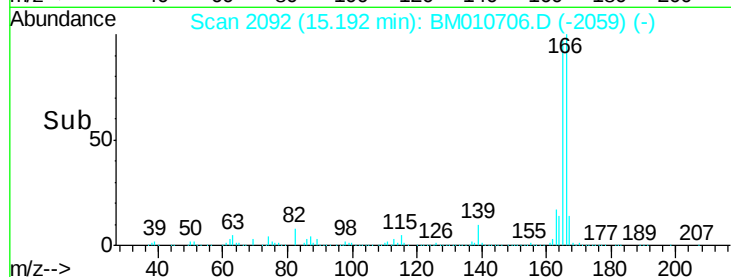
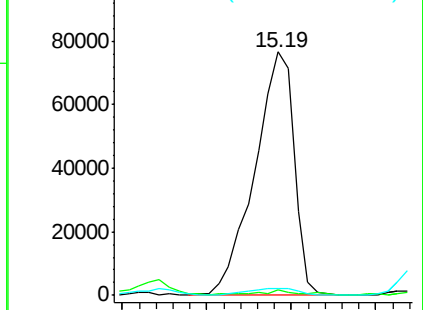
#60
4-Nitroaniline
Concen: 25.018 ng/ul
RT: 15.19 min Scan# 2092
Delta R.T. -0.01 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

Instrument :
BNA_M
ClientSampled :
F5C82

Tgt Ion:138 Resp: 124102
Ion Ratio Lower Upper
138 100
92 2.1 52.7 79.1#
108 3.1 140.4 210.6#

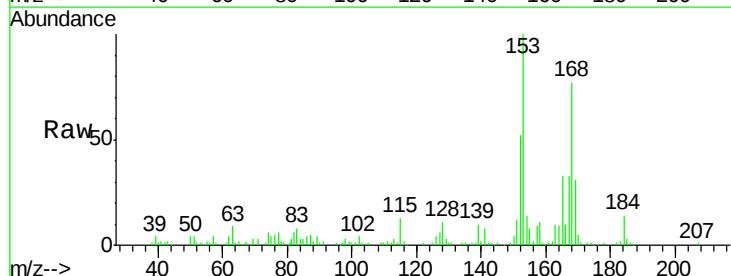


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

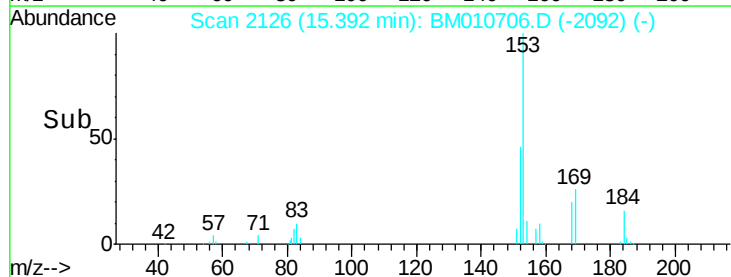
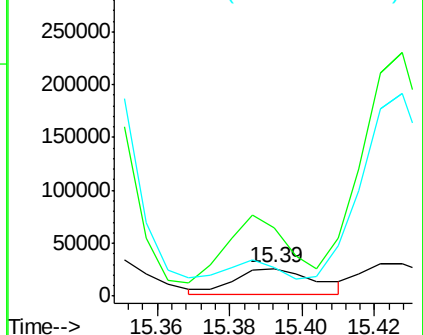


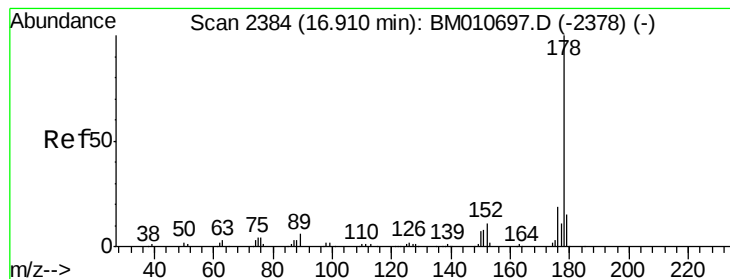
#64
N-Nitrosodiphenylamine
Concen: 2.166 ng/ul
RT: 15.39 min Scan# 2126
Delta R.T. 0.00 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

Tgt Ion:169 Resp: 37657
Ion Ratio Lower Upper
169 100
168 245.4 54.0 81.0#
167 103.4 29.1 43.7#



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: 158.948 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. 0.12 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

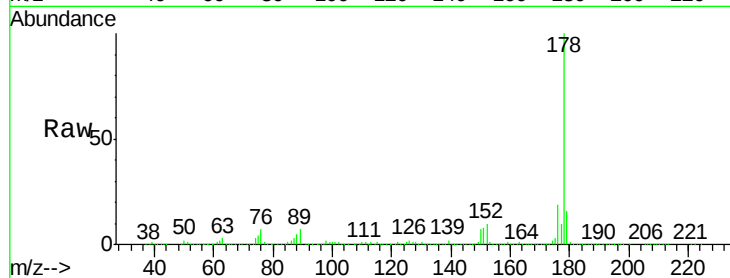
Tgt Ion:178 Resp: 5296630

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

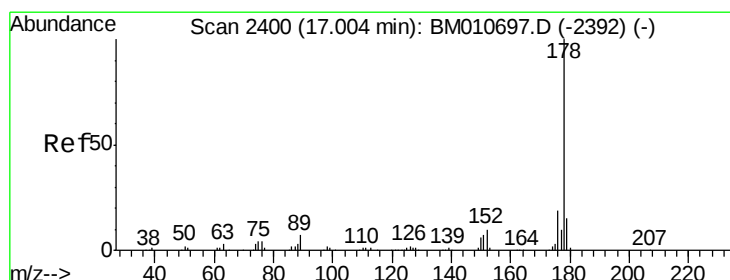
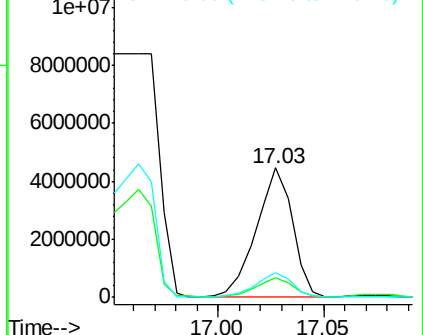
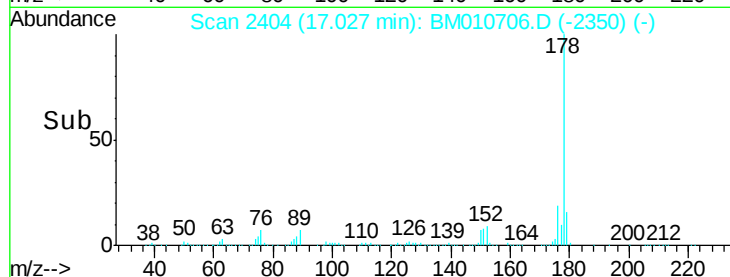
176 18.9 14.9 22.3



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: 154.282 ng/ul

RT: 17.03 min Scan# 2404

Delta R.T. 0.02 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

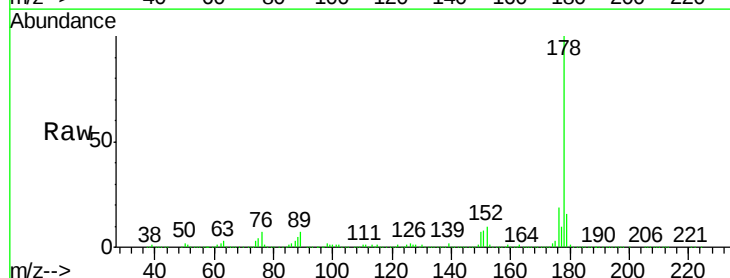
Tgt Ion:178 Resp: 5296630

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

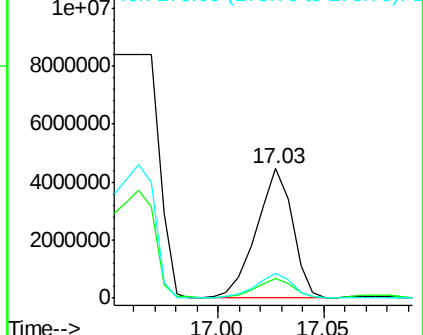
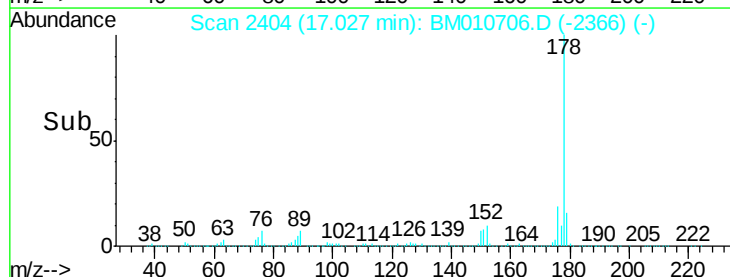
176 18.9 14.6 21.8

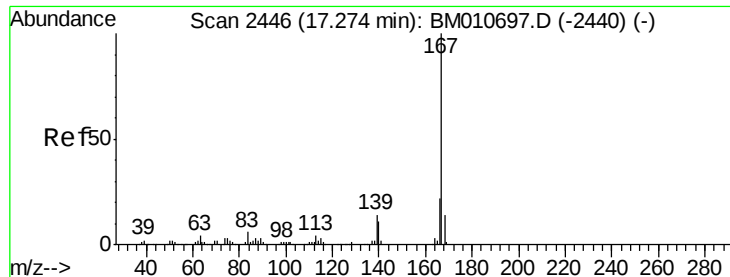


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 69.361 ng/ul

RT: 17.29 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

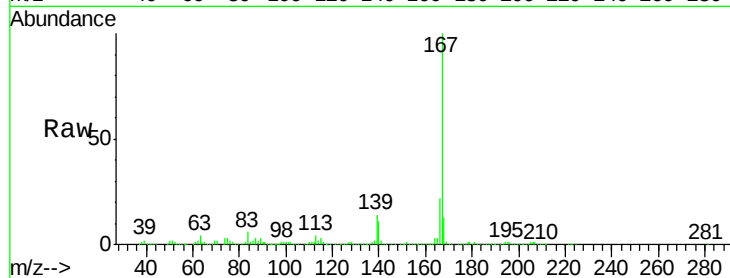
Tgt Ion:167 Resp: 2077500

Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

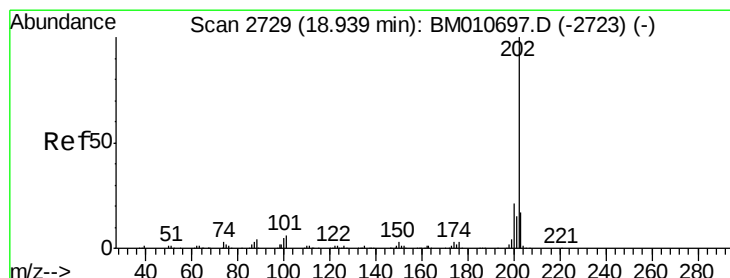
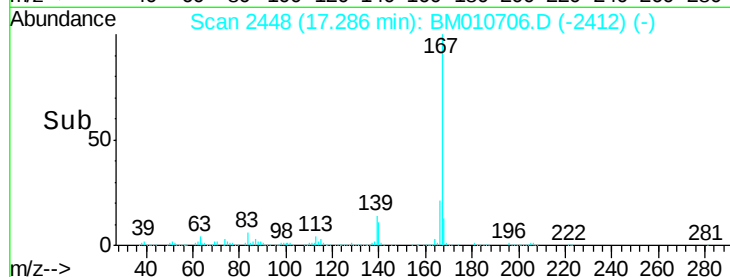
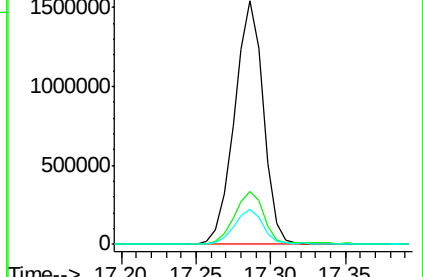
139 14.2 10.0 15.0



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: 1.984 ng/ul

RT: 19.10 min Scan# 2757

Delta R.T. 0.16 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

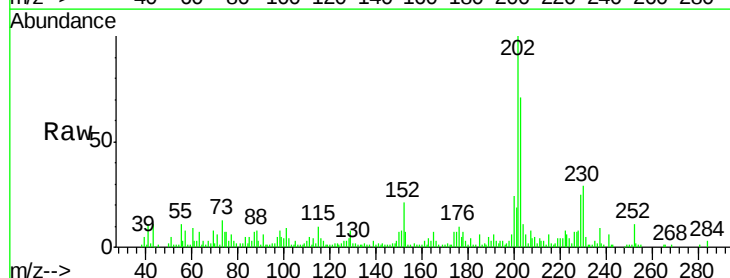
Tgt Ion:202 Resp: 85183

Ion Ratio Lower Upper

202 100

101 8.9 4.6 7.0#

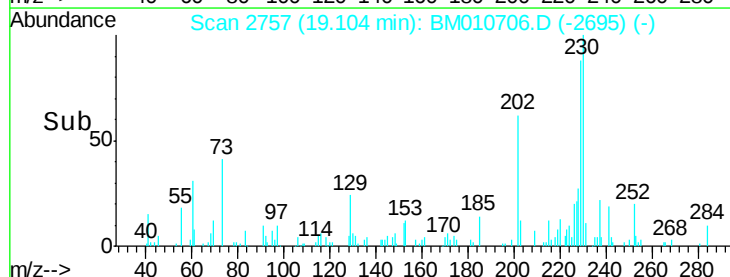
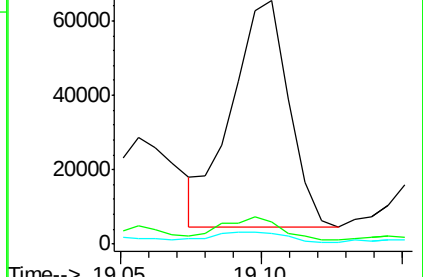
100 4.4 3.4 5.2

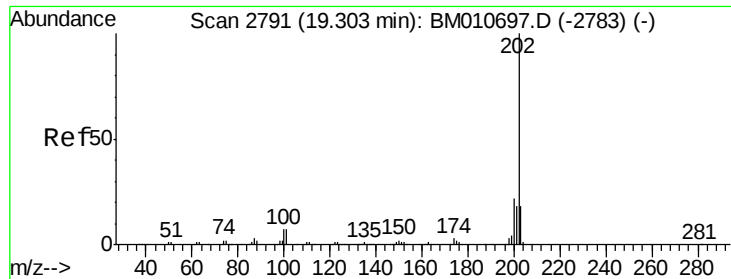


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 458.544 ng/ul

RT: 19.33 min Scan# 2796

Delta R.T. 0.03 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

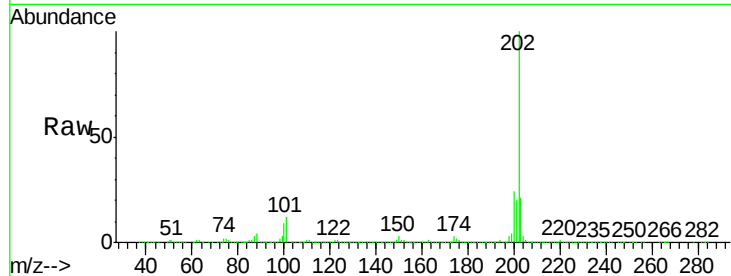
Tgt Ion:202 Resp:17694879

Ion Ratio Lower Upper

202 100

101 11.8 5.1 7.7#

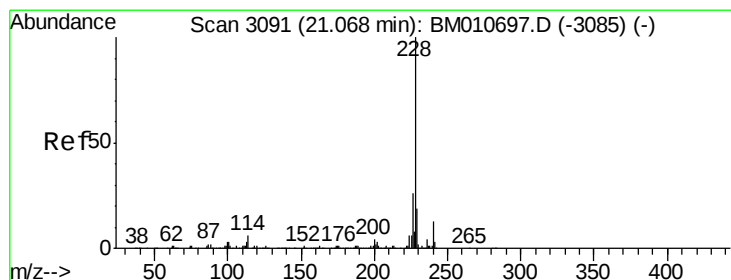
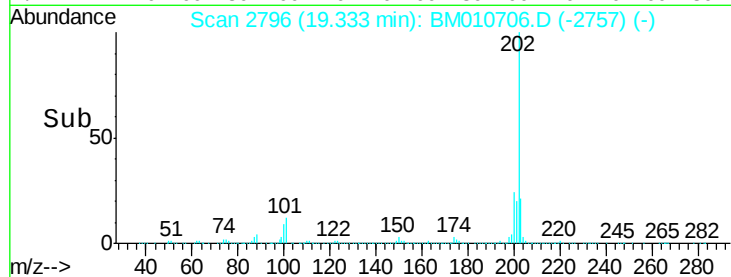
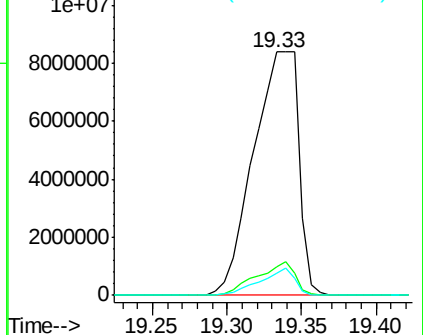
100 9.1 4.9 7.3#



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: 136.482 ng/ul

RT: 21.08 min Scan# 3093

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

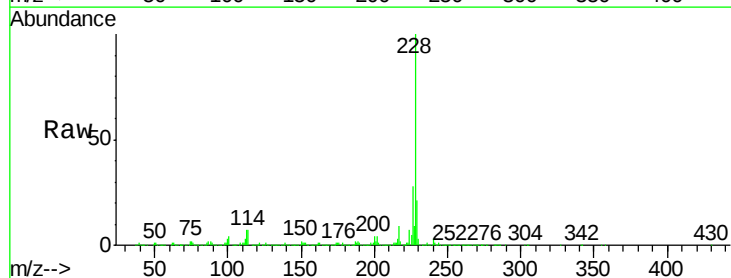
Tgt Ion:228 Resp: 5309892

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

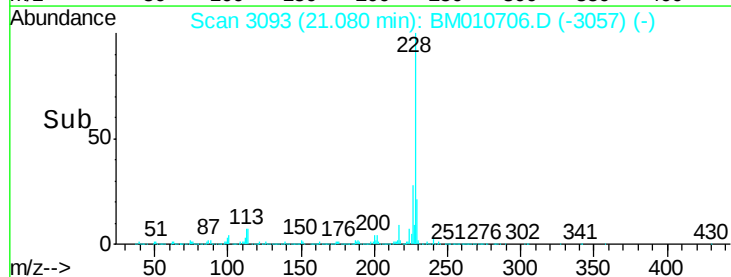
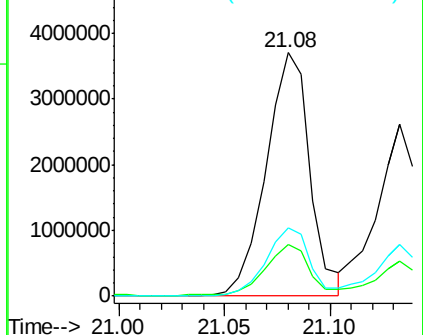
226 28.2 21.4 32.0

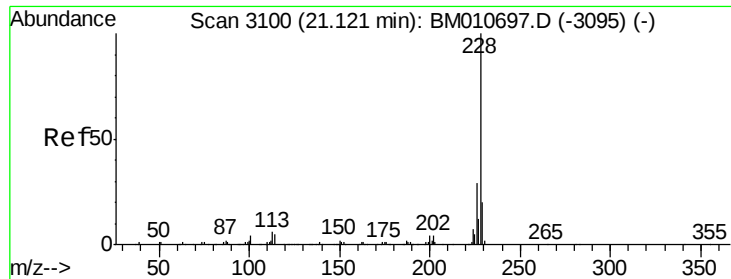


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 98.277 ng/ul

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampled :

F5C82

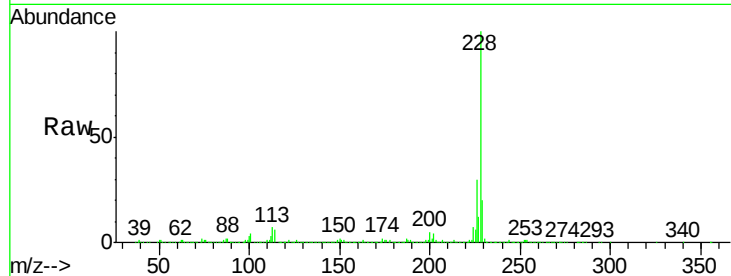
Tgt Ion:228 Resp: 3409039

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

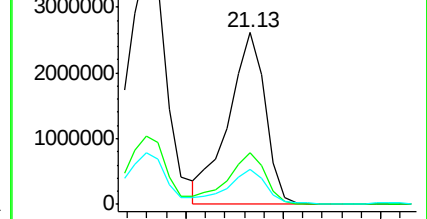
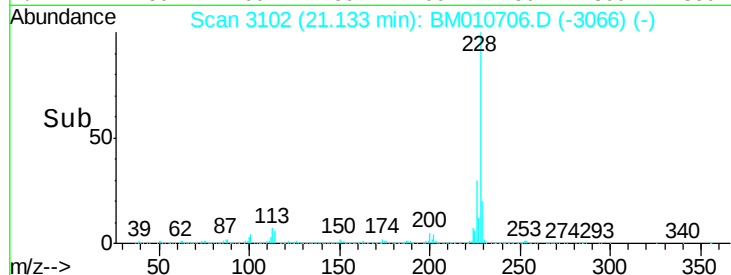
229 20.3 15.5 23.3



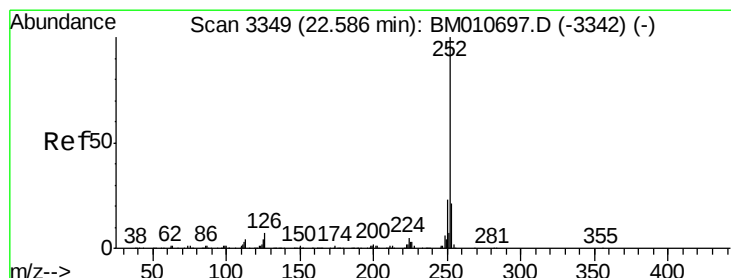
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 74.469 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

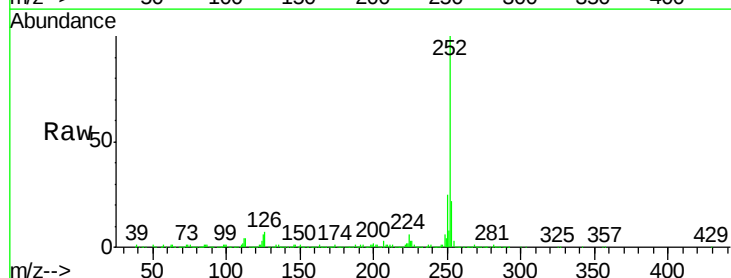
Tgt Ion:252 Resp: 2145256

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

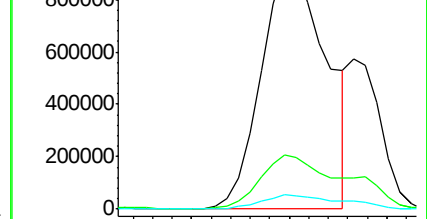
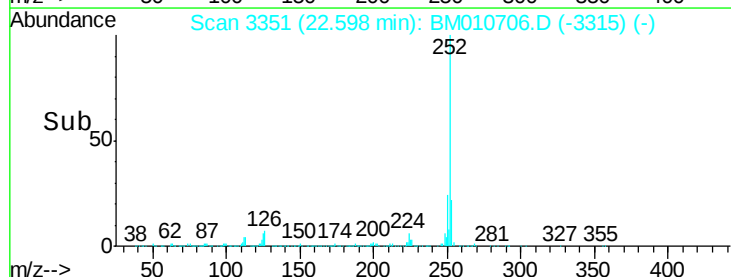
125 5.8 3.6 5.4#



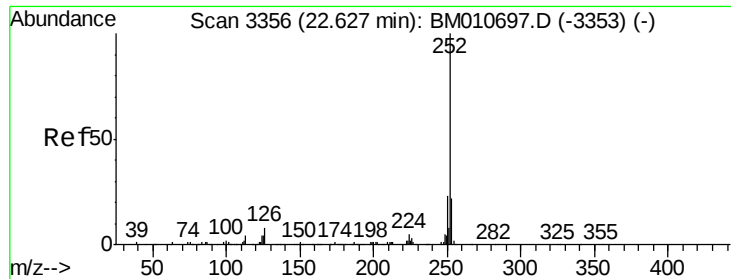
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#86

Benzo(k)fluoranthene

Concen: 78.552 ng/ul

RT: 22.60 min Scan# 3351

Delta R.T. -0.03 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

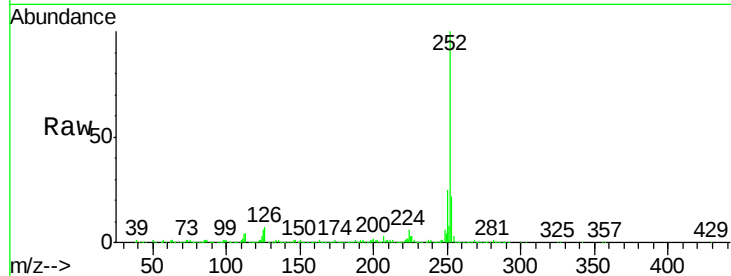
Tgt Ion:252 Resp: 2145256

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

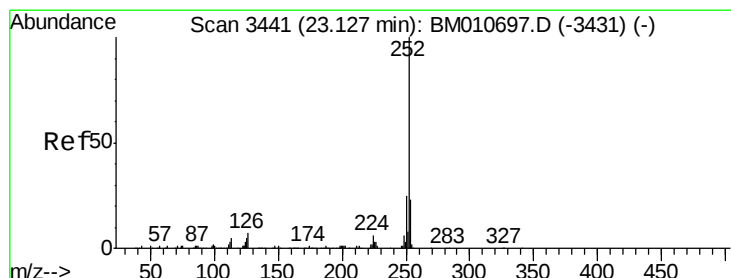
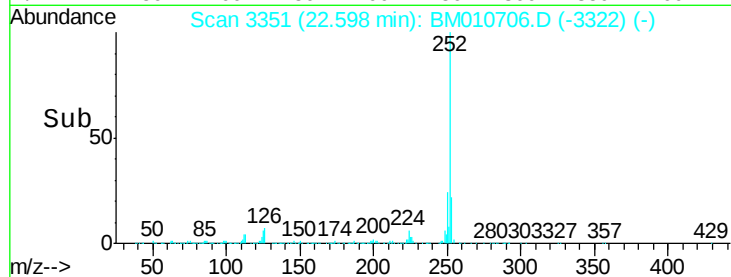
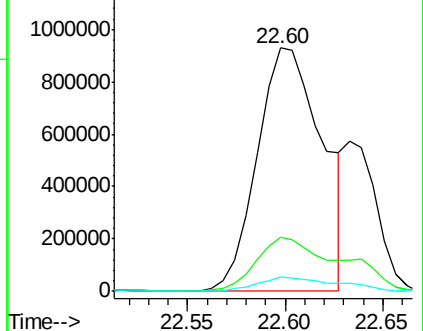
125 5.8 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 44.304 ng/ul

RT: 23.14 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

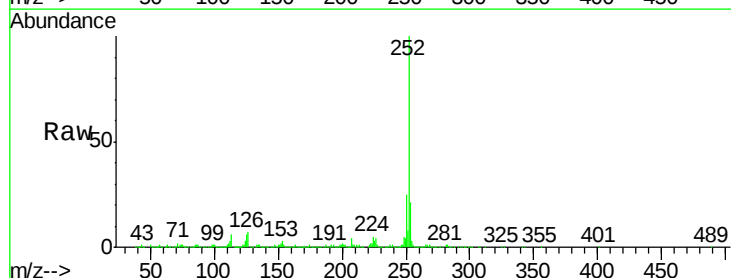
Tgt Ion:252 Resp: 1174992

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.2

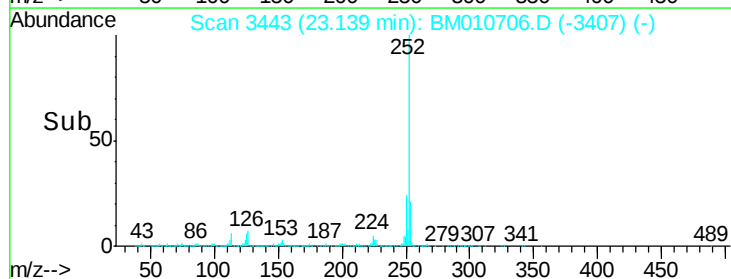
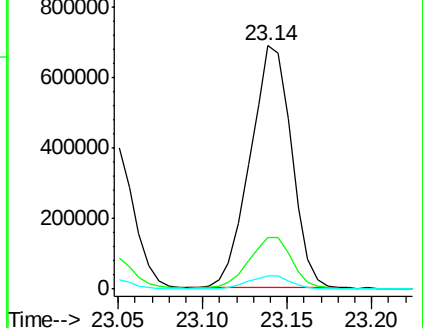
125 5.7 4.0 6.0

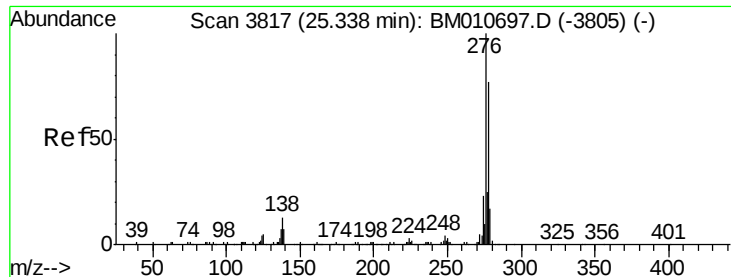


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



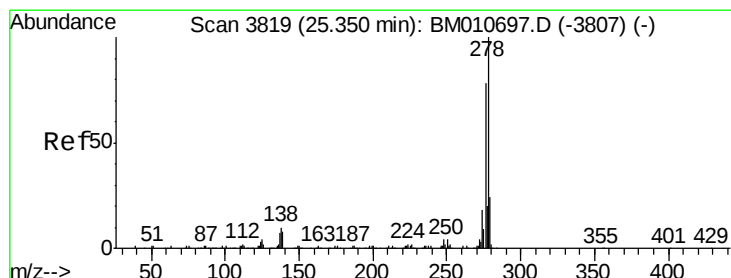
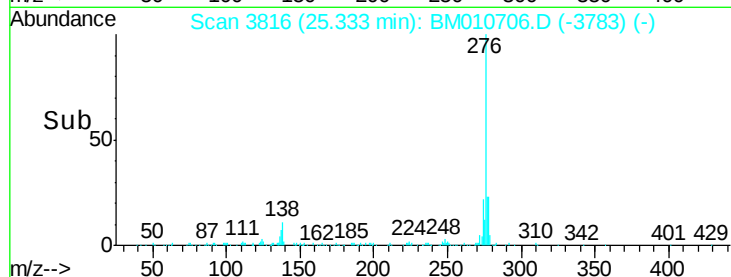
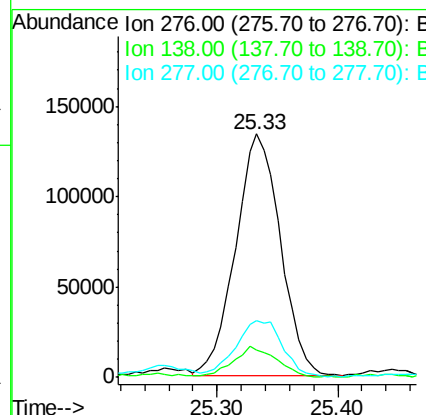
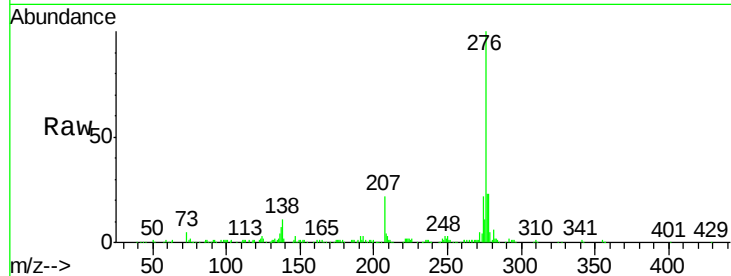


#89

Indeno(1,2,3-cd)pyrene
Concen: 12.561 ng/u1
RT: 25.33 min Scan# 3816
Delta R.T. -0.01 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

Instrument :
BNA_M
ClientSampled :
F5C82

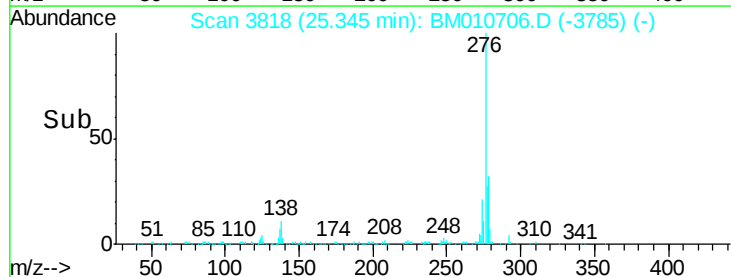
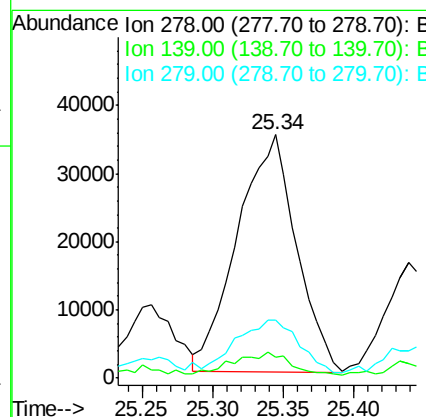
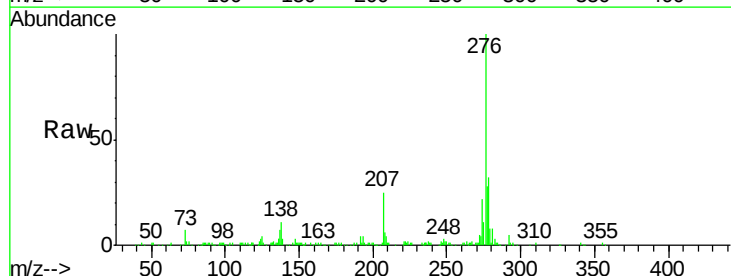
Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.3	9.3	13.9
277	23.3	19.9	29.9

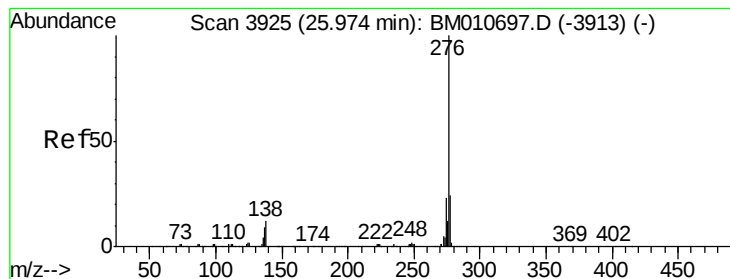


#90

Dibenzo(a,h)anthracene
Concen: 4.452 ng/u1
RT: 25.34 min Scan# 3818
Delta R.T. -0.01 min
Lab File: BM010706.D
Acq: 24 Jun 2017 00:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.8	5.8	8.8#
279	23.6	18.6	27.8





#91

Benzo(g,h,i)perylene

Concen: 10.004 ng/ul

RT: 25.98 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BM010706.D

Acq: 24 Jun 2017 00:50

Instrument :

BNA_M

ClientSampleId :

F5C82

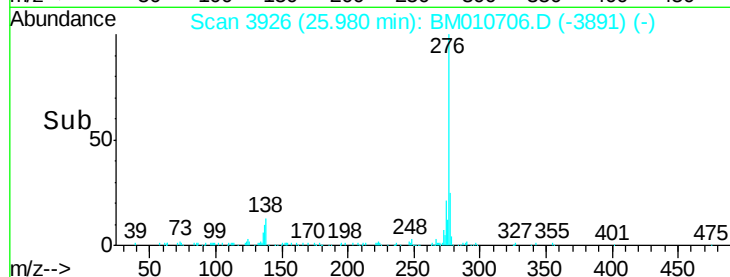
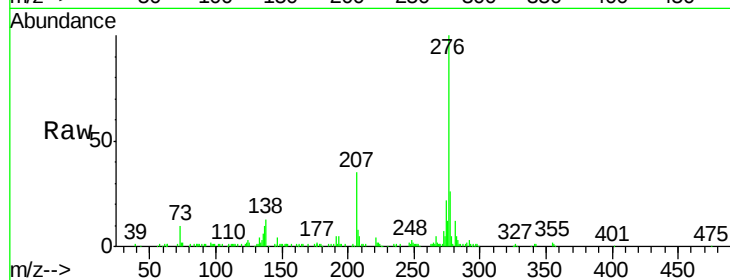
Tgt Ion: 276 Resp: 219039

Ion Ratio Lower Upper

276 100

138 13.2 8.5 12.7#

277 25.8 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

