

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051916\
 Data File : BM005512.D
 Acq On : 19 May 2016 23:43
 Operator : UM/SJ
 Sample : H2890-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9WT5

Quant Time: May 20 01:03:24 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 01:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	226362	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1126180	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	783607	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1962057	20.00	ng/ul	0.01
75) Chrysene-d12	21.40	240	2720413	20.00	ng/ul	0.02
83) Perylene-d12	23.70	264	2602095	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	8143	1.38	ng/uL	0.00
5) Phenol-d5	6.99	99	271591	12.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	167797	14.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	228153	13.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	244612	13.21	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	130596	16.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	145304	16.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	253706	14.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	57927	2.87	ng/ul	-0.02
43) Dimethylphthalate-d6	13.88	166	889837	13.81	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	1153162	15.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	11782	0.89	ng/ul	-0.02
57) Fluorene-d10	15.46	176	873736	15.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	145543	14.07	ng/ul	0.02
70) Anthracene-d10	17.32	188	1416169	15.69	ng/ul	0.01
76) Pyrene-d10	19.60	212	1750382	16.00	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1626799	13.98	ng/ul	0.04

Target Compounds

						Qvalue
4) Benzaldehyde	6.98	77	96354	9.10	ng/ul#	26
11) 2-Methylphenol	8.27	108	42354	2.38	ng/ul	97
14) Acetophenone	8.64	105	385816	13.69	ng/ul#	51
16) 4-Methylphenol	8.59	108	35317	1.77	ng/ul	96
17) Hexachloroethane	8.94	117	54250	8.65	ng/ul#	8
20) Nitrobenzene	9.03	77	25618	1.27	ng/ul#	33
24) 2,4-Dimethylphenol	9.80	107	61497	2.89	ng/ul#	74
25) Bis(2-Chloroethoxy)methane	10.06	93	30798	1.26	ng/ul#	67
28) Naphthalene	10.69	128	6717208	117.48	ng/ul	99
30) 4-Chloroaniline	10.68	127	902925	41.96	ng/ul#	9
32) Caprolactam	11.55	113	13505	1.99	ng/ul#	1
34) 2-Methylnaphthalene	12.30	142	6997638	155.62	ng/ul	99
40) 1,1'-Biphenyl	13.30	154	862421	13.73	ng/ul	98
44) Dimethylphthalate	13.93	163	346740	5.28	ng/ul	99
47) Acenaphthylene	14.19	152	161412	2.05	ng/ul#	1
49) Acenaphthene	14.53	153	56922	1.06	ng/ul#	81
53) Dibenzofuran	14.87	168	2735925	34.86	ng/ul	91
54) 2,4-Dinitrotoluene	14.83	165	25230	1.32	ng/ul#	42
58) Fluorene	15.52	166	175292	2.70	ng/ul#	16
64) N-Nitrosodiphenylamine	15.73	169	353820	6.36	ng/ul#	41
67) Atrazine	16.68	200	29592	1.48	ng/ul#	30
69) Phenanthrene	17.26	178	7150655	64.07	ng/ul	98
71) Anthracene	17.26	178	7150655	64.78	ng/ul	98

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

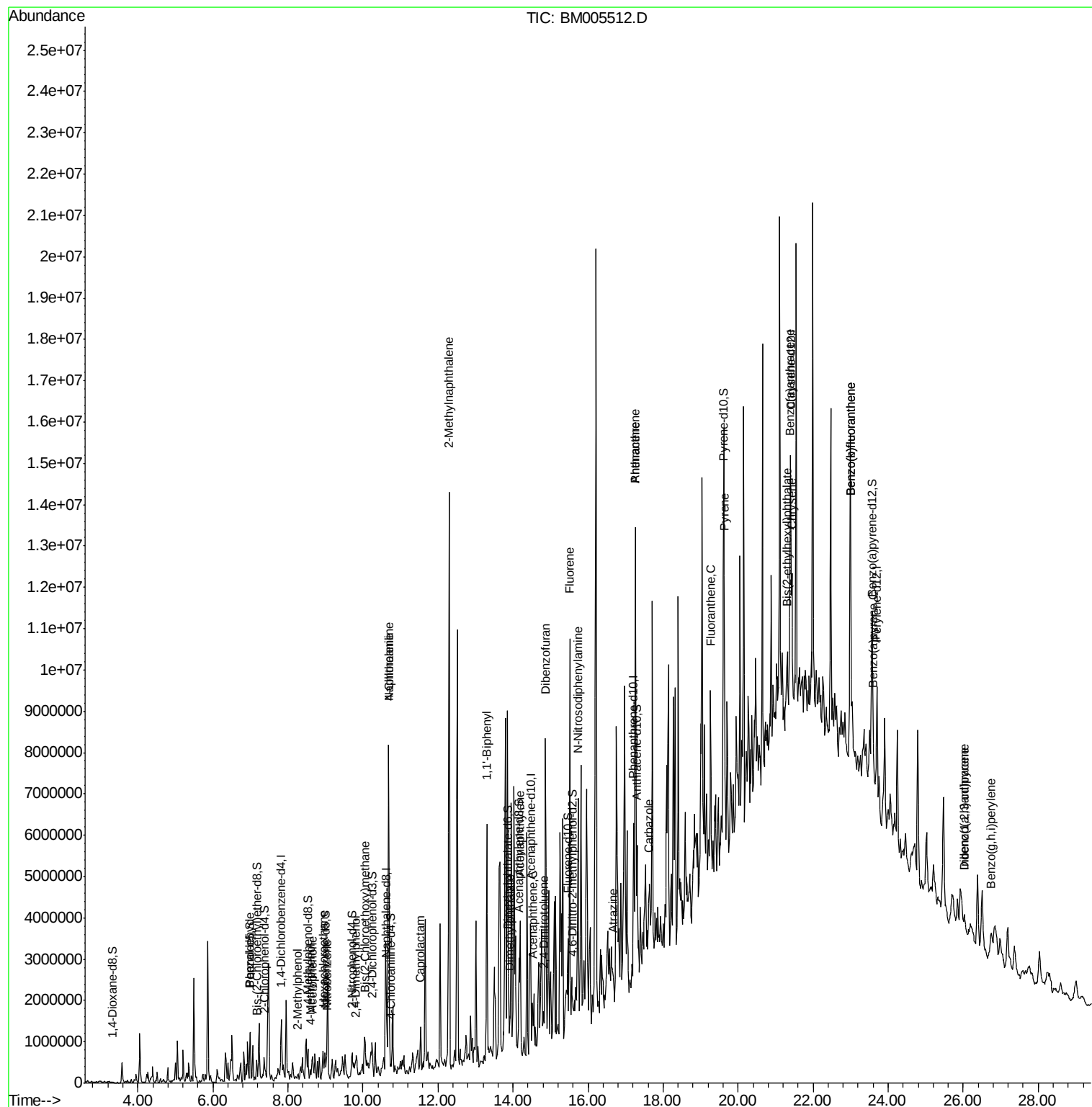
72) Carbazole	17.62	167	424956	4.25	ng/ul#	82
74) Fluoranthene	19.27	202	1999527	15.32	ng/ul#	94
77) Pyrene	19.63	202	2122470	14.56	ng/ul#	93
80) Benzo(a)anthracene	21.39	228	1458312	9.12	ng/ul#	82
81) Bis(2-ethylhexyl)phthalate	21.31	149	111538	1.20	ng/ul#	60
82) Chrysene	21.43	228	2036083	13.47	ng/ul#	88
85) Benzo(b)fluoranthene	23.01	252	1724753	11.58	ng/ul#	88
86) Benzo(k)fluoranthene	23.01	252	1724753	11.92	ng/ul#	87
88) Benzo(a)pyrene	23.60	252	710451	4.80	ng/ul#	86
89) Indeno(1,2,3-cd)pyrene	26.03	276	424220	2.18	ng/ul	91
90) Dibenzo(a,h)anthracene	26.03	278	184679	1.14	ng/ul#	51
91) Benzo(g,h,i)perylene	26.74	276	576711	3.42	ng/ul	94

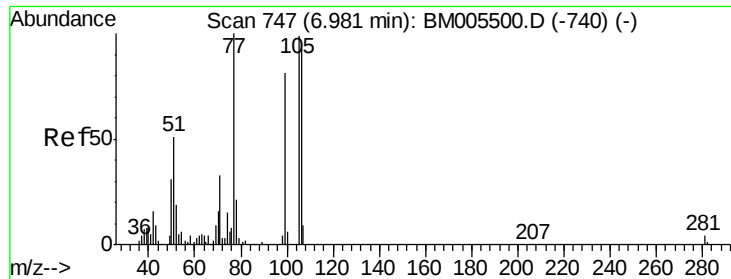
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 9.10 ng/ul

RT: 6.98 min Scan# 747

Delta R.T. -0.00 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

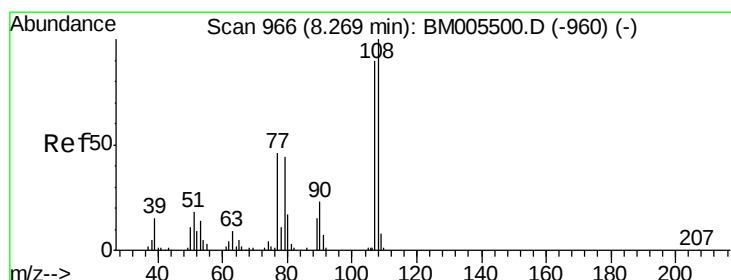
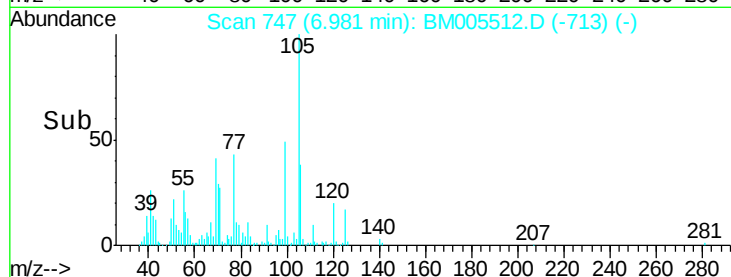
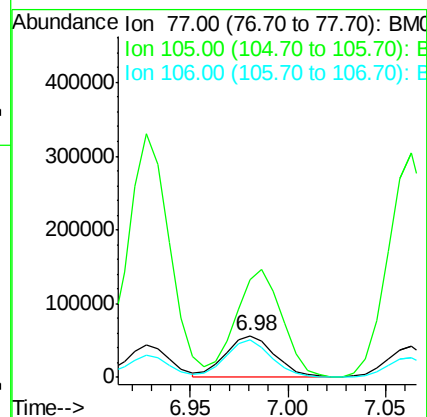
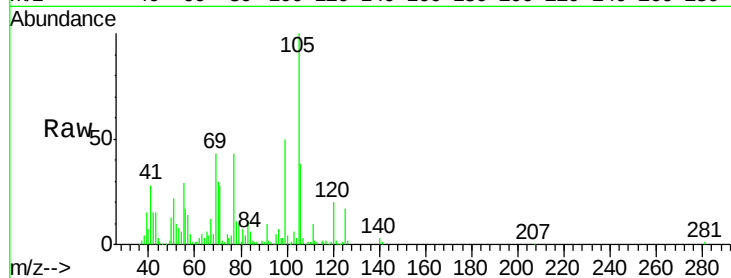
Tgt Ion: 77 Resp: 96354

Ion Ratio Lower Upper

77 100

105 235.1 77.6 116.4#

106 89.6 77.9 116.9



#11

2-Methylphenol

Concen: 2.38 ng/ul

RT: 8.27 min Scan# 966

Delta R.T. -0.00 min

Lab File: BM005512.D

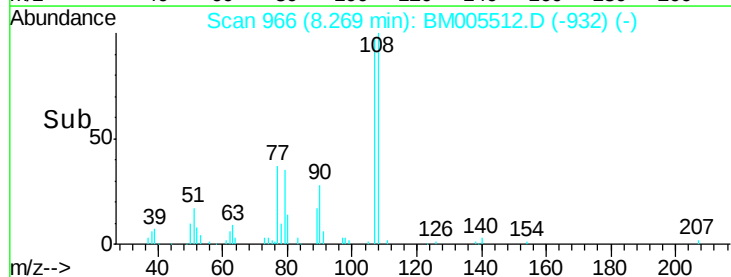
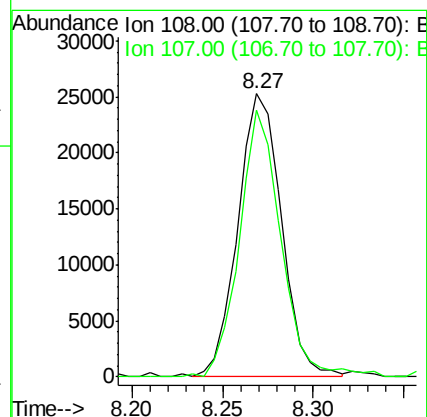
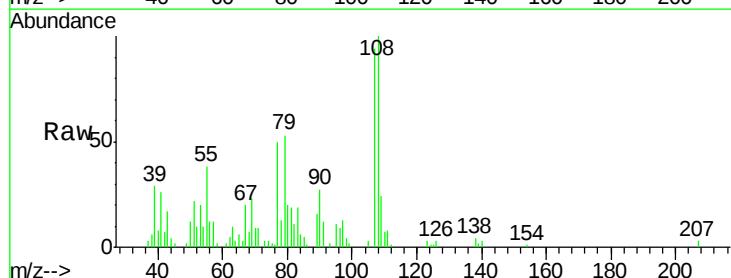
Acq: 19 May 2016 23:43

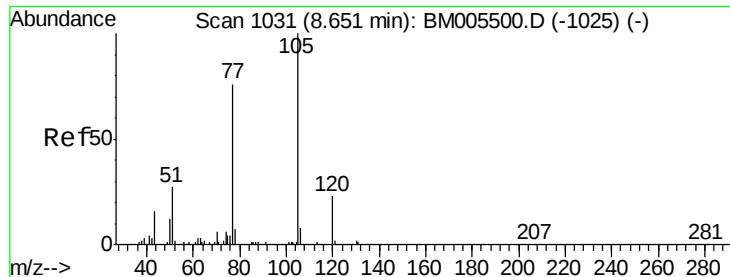
Tgt Ion: 108 Resp: 42354

Ion Ratio Lower Upper

108 100

107 94.5 73.4 110.0





#14

Acetophenone

Concen: 13.69 ng/ul

RT: 8.64 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

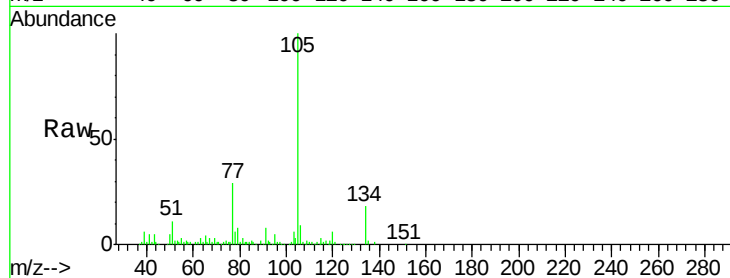
Tgt Ion:105 Resp: 385816

Ion Ratio Lower Upper

105 100

77 29.1 61.2 91.8#

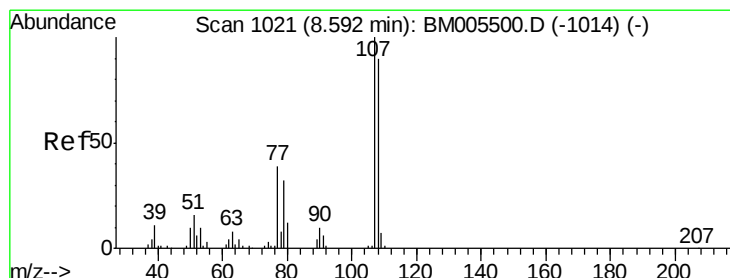
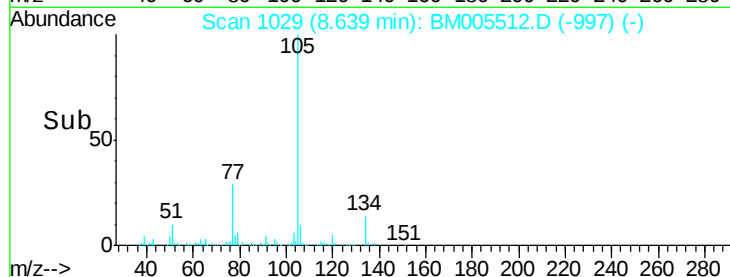
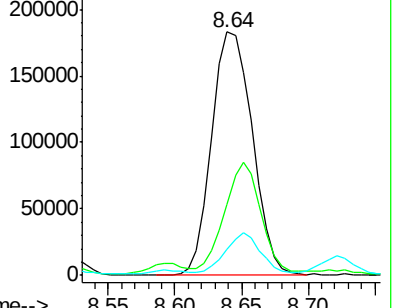
51 10.7 21.2 31.8#



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



#16

4-Methylphenol

Concen: 1.77 ng/ul

RT: 8.59 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BM005512.D

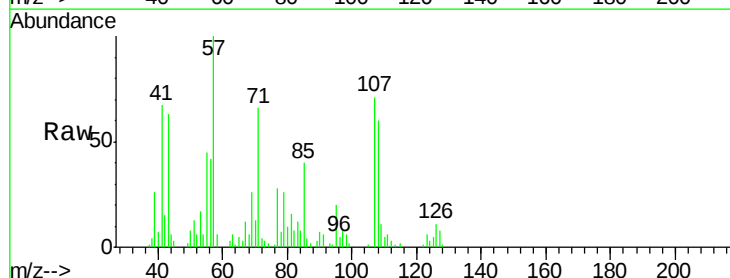
Acq: 19 May 2016 23:43

Tgt Ion:108 Resp: 35317

Ion Ratio Lower Upper

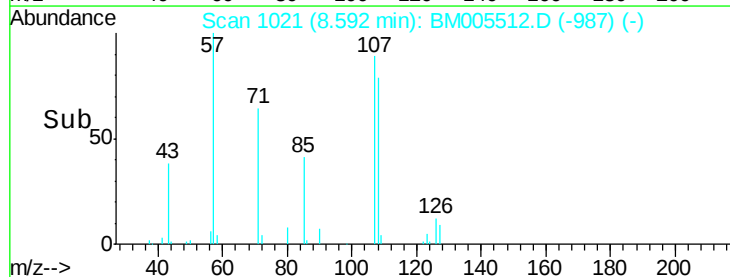
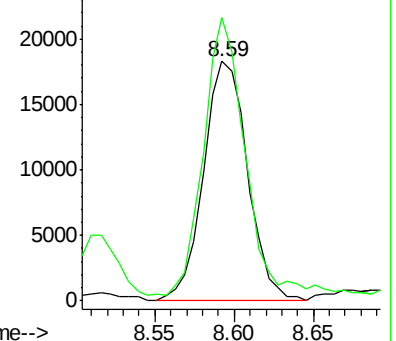
108 100

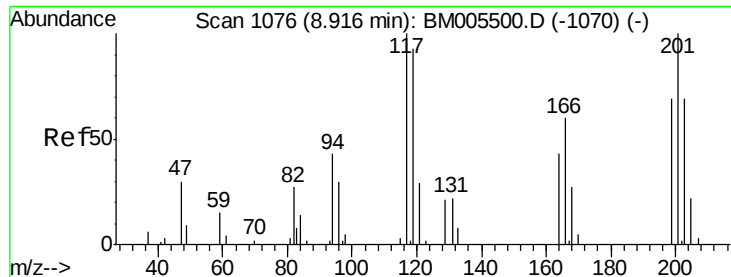
107 118.2 91.1 136.7



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

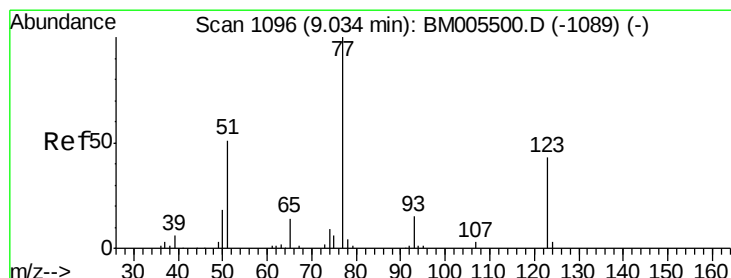
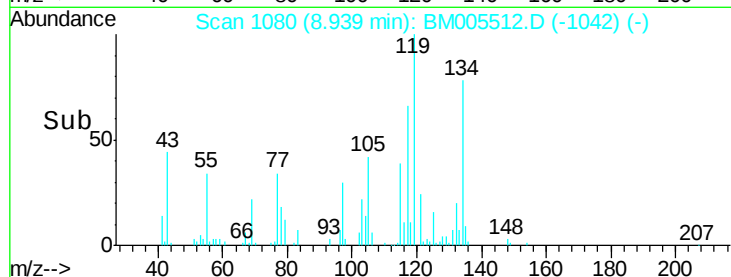
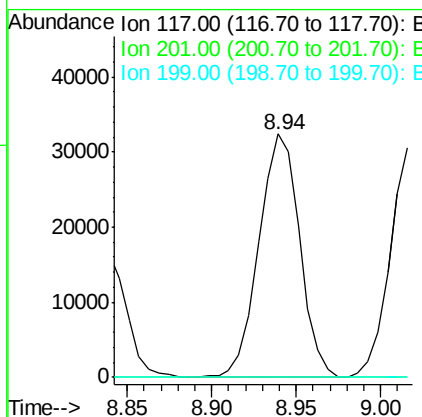
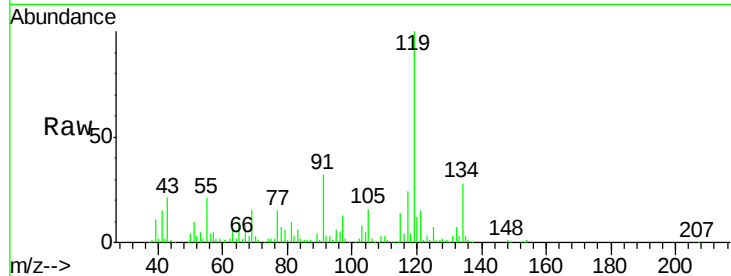




#17
Hexachloroethane
Concen: 8.65 ng/ul
RT: 8.94 min Scan# 1080
Delta R.T. 0.02 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

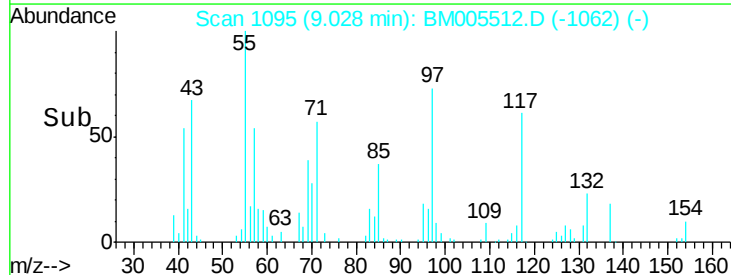
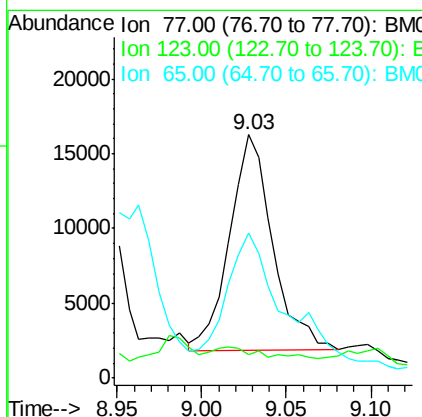
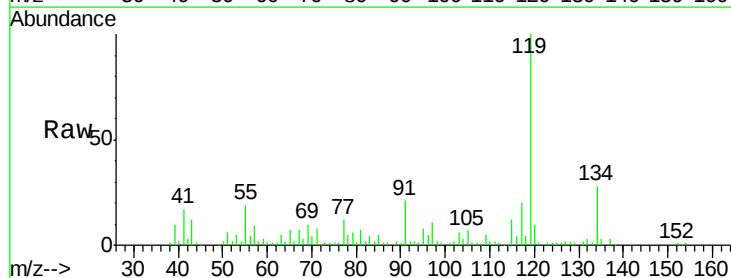
Instrument :
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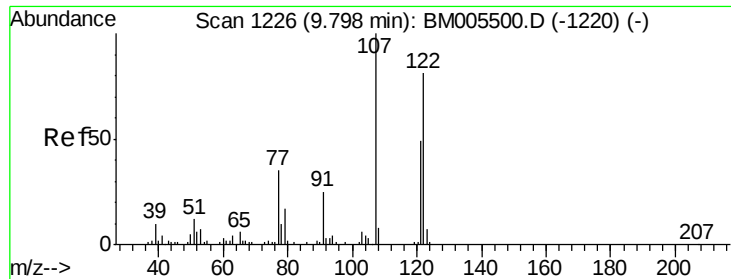
Tgt Ion: 117 Resp: 54250
Ion Ratio Lower Upper
117 100
201 0.0 78.1 117.1#
199 0.0 50.2 75.2#



#20
Nitrobenzene
Concen: 1.27 ng/ul
RT: 9.03 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BM005512.D
Acq: 19 May 2016 23:43

Tgt Ion: 77 Resp: 25618
Ion Ratio Lower Upper
77 100
123 9.5 34.1 51.1#
65 59.7 11.0 16.4#





#24

2,4-Dimethylphenol

Concen: 2.89 ng/ul

RT: 9.80 min Scan# 1226

Delta R.T. -0.00 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

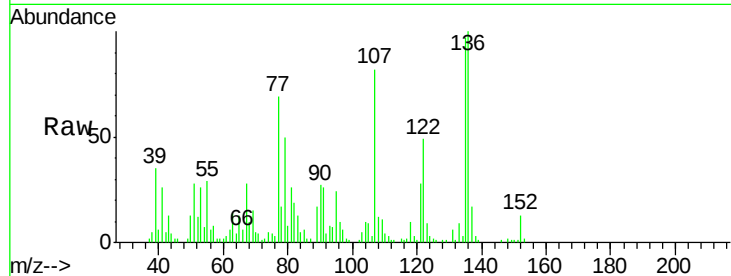
Tgt Ion: 107 Resp: 61497

Ion Ratio Lower Upper

107 100

121 34.2 39.1 58.7#

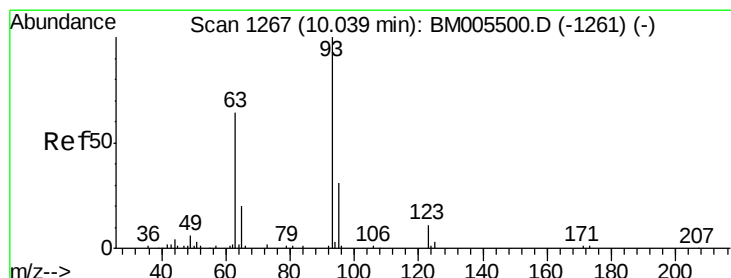
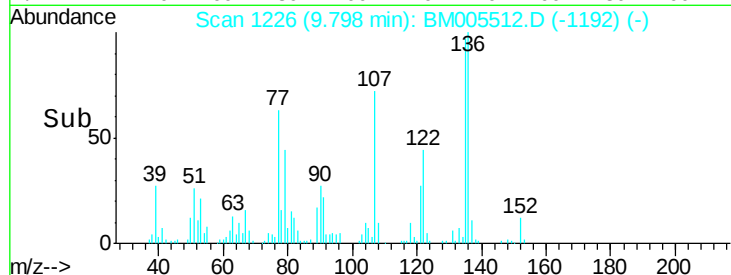
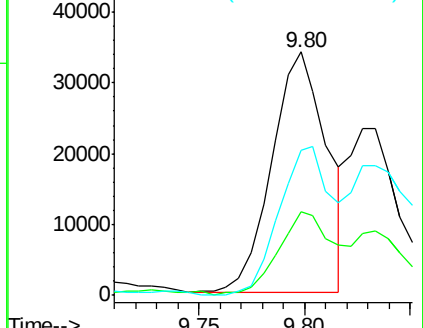
122 59.3 67.8 101.6#



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



#25

Bis(2-Chloroethoxy)methane

Concen: 1.26 ng/ul

RT: 10.06 min Scan# 1270

Delta R.T. 0.02 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

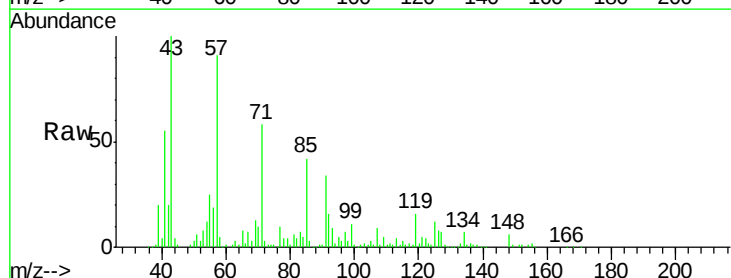
Tgt Ion: 93 Resp: 30798

Ion Ratio Lower Upper

93 100

95 50.4 25.2 37.8#

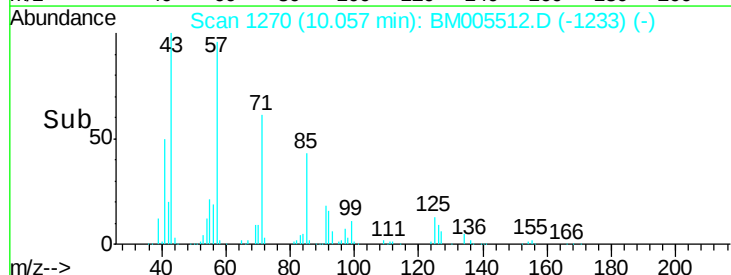
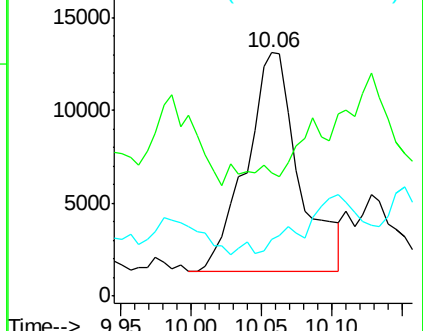
123 23.1 9.0 13.6#

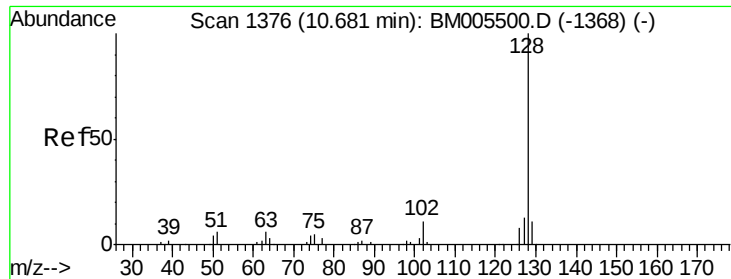


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#28

Naphthalene

Concen: 117.48 ng/ul

RT: 10.69 min Scan# 1377

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

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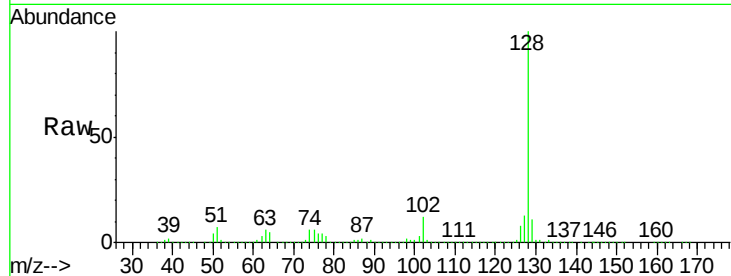
Tgt Ion:128 Resp: 6717208

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

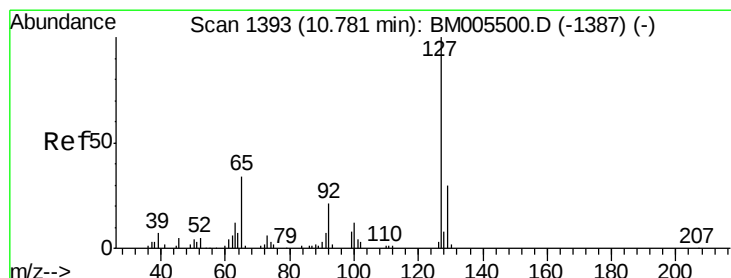
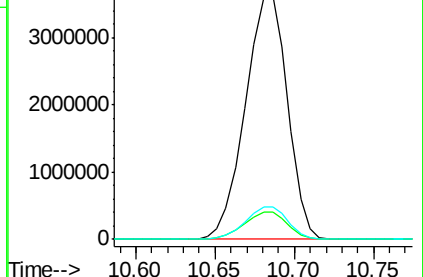
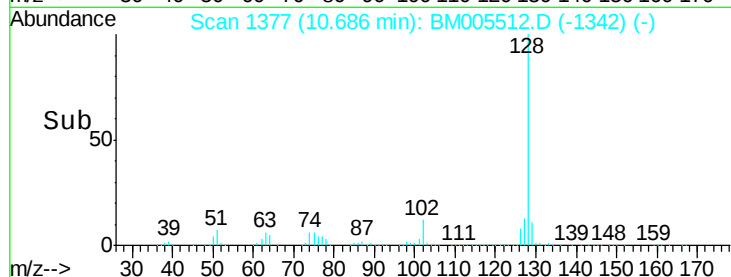
127 13.5 10.8 16.2



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



#30

4-Chloroaniline

Concen: 41.96 ng/ul

RT: 10.68 min Scan# 1376

Delta R.T. -0.10 min

Lab File: BM005512.D

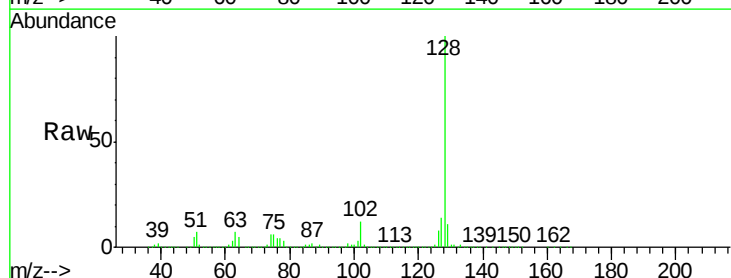
Acq: 19 May 2016 23:43

Tgt Ion:127 Resp: 902925

Ion Ratio Lower Upper

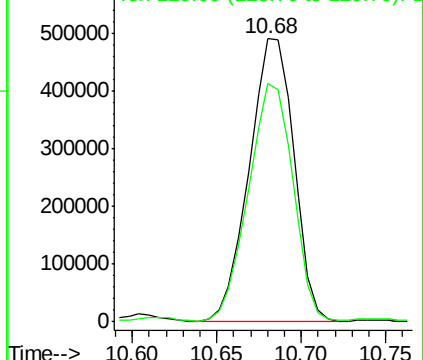
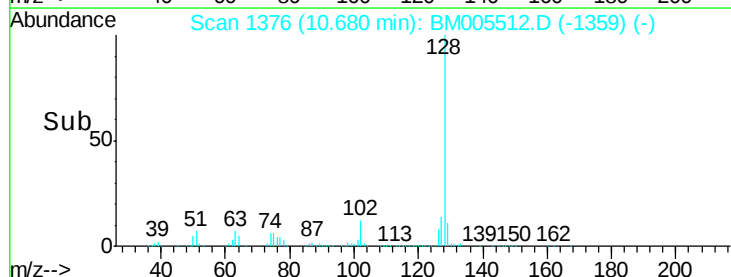
127 100

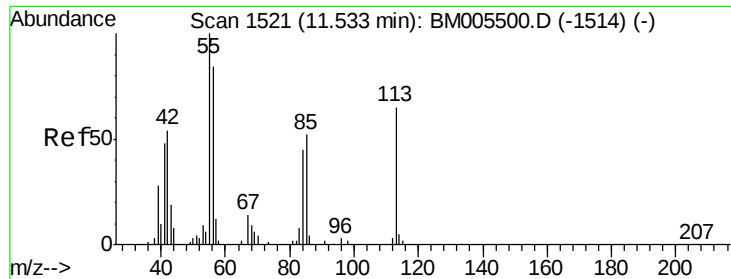
129 84.4 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 1.99 ng/ul

RT: 11.55 min Scan# 1523

Delta R.T. 0.01 min

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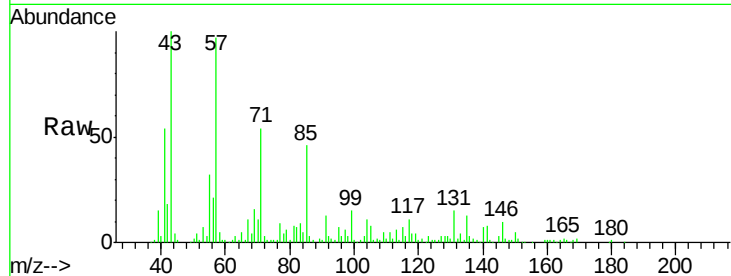
Tgt Ion:113 Resp: 13505

Ion Ratio Lower Upper

113 100

55 571.3 134.6 201.8#

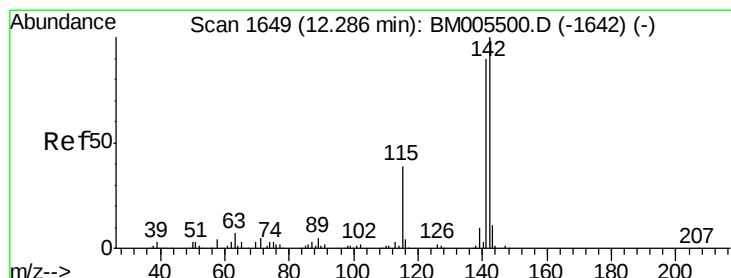
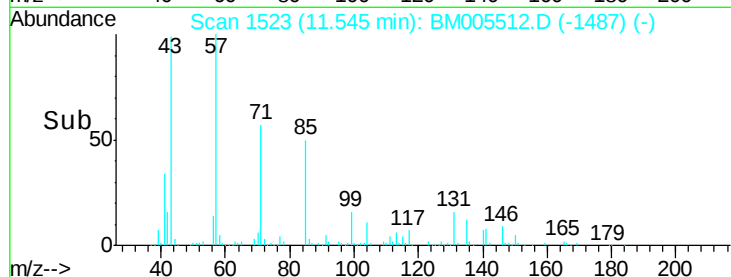
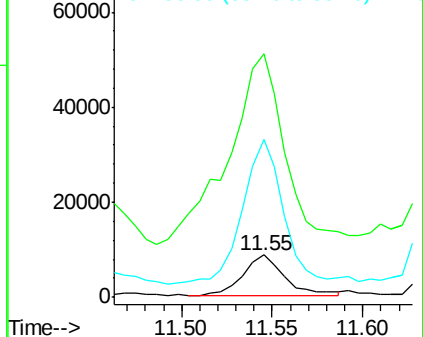
56 370.2 96.6 145.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 155.62 ng/ul

RT: 12.30 min Scan# 1651

Delta R.T. 0.01 min

Lab File: BM005512.D

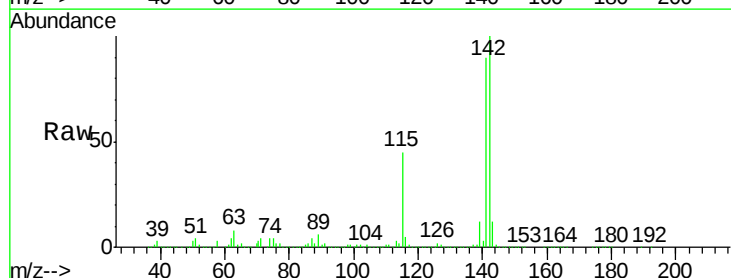
Acq: 19 May 2016 23:43

Tgt Ion:142 Resp: 6997638

Ion Ratio Lower Upper

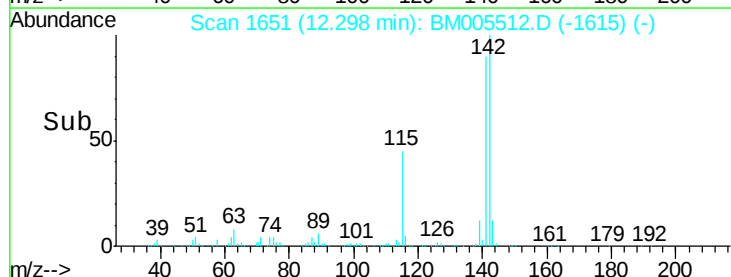
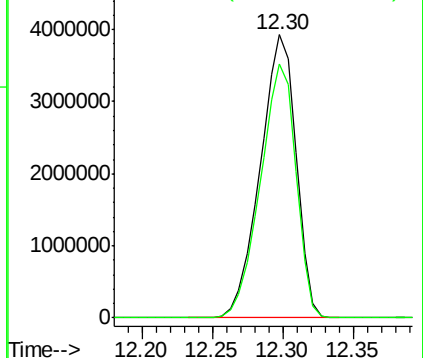
142 100

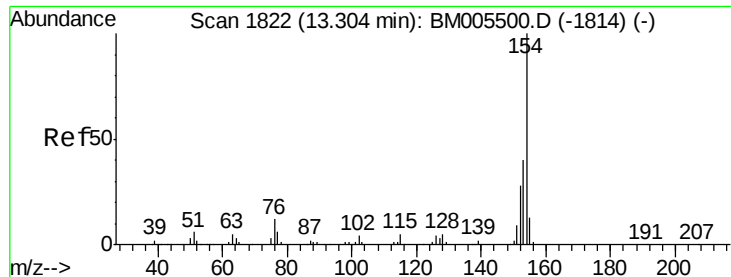
141 89.9 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 13.73 ng/ul

RT: 13.30 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

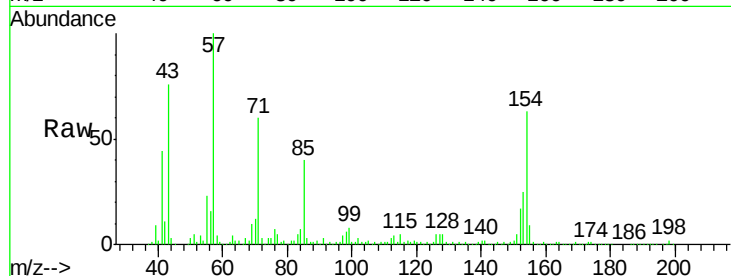
Tgt Ion:154 Resp: 862421

Ion Ratio Lower Upper

154 100

153 39.6 32.1 48.1

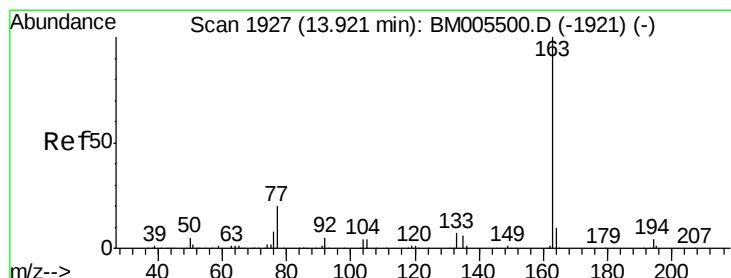
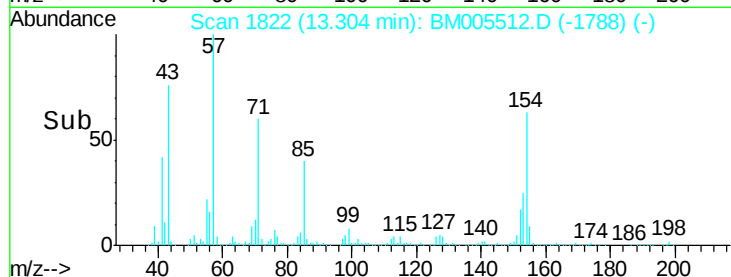
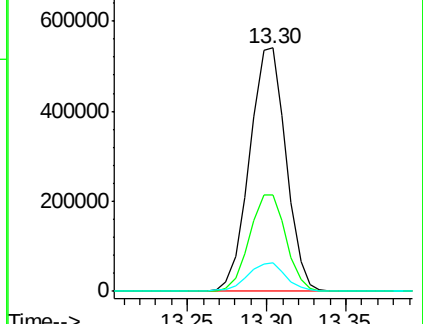
76 11.6 10.6 15.8



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): BMC



#44

Dimethylphthalate

Concen: 5.28 ng/ul

RT: 13.93 min Scan# 1928

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

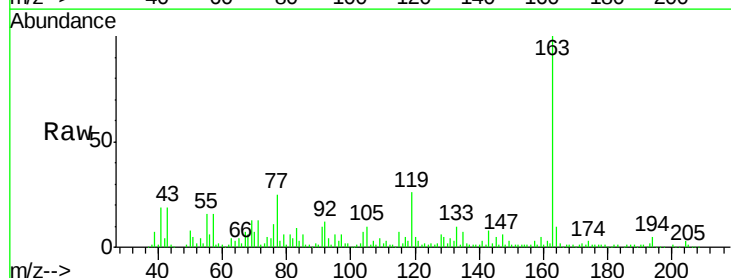
Tgt Ion:163 Resp: 346740

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.0

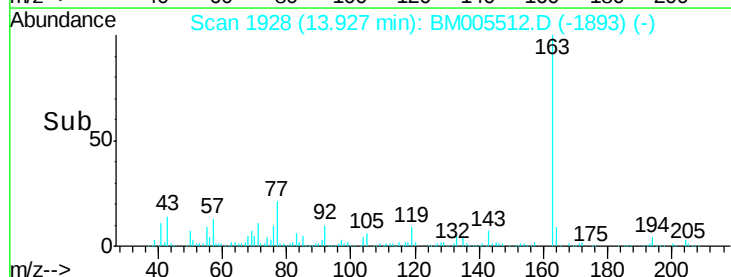
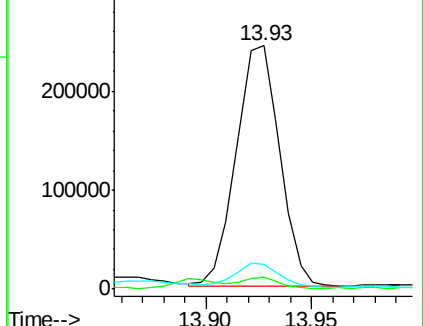
164 10.3 7.9 11.9

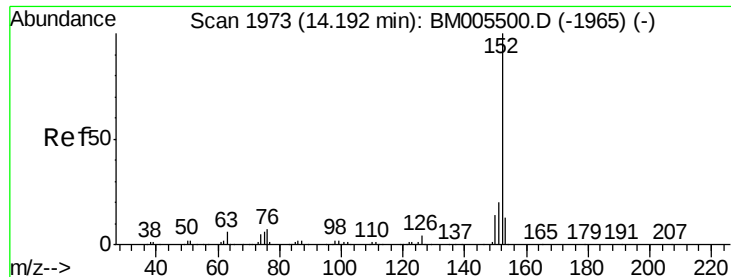


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 2.05 ng/ul

RT: 14.19 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

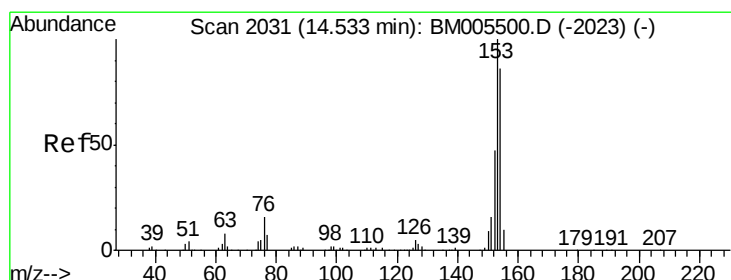
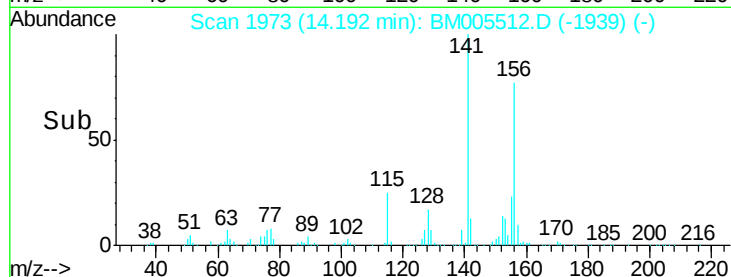
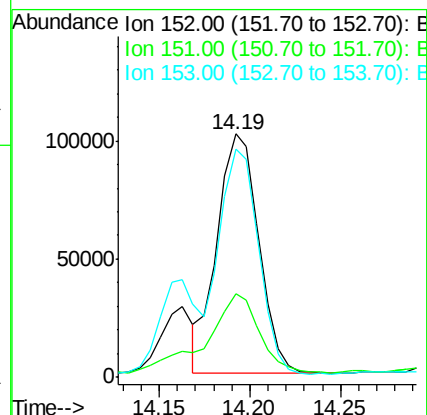
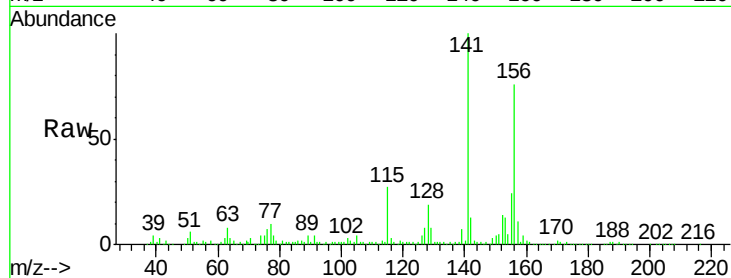
Tgt Ion:152 Resp: 161412

Ion Ratio Lower Upper

152 100

151 34.1 16.0 24.0#

153 94.0 10.3 15.5#



#49

Acenaphthene

Concen: 1.06 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

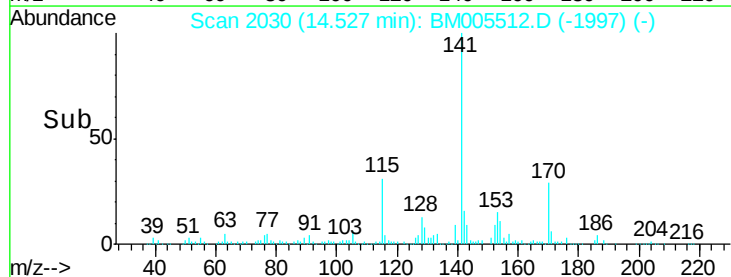
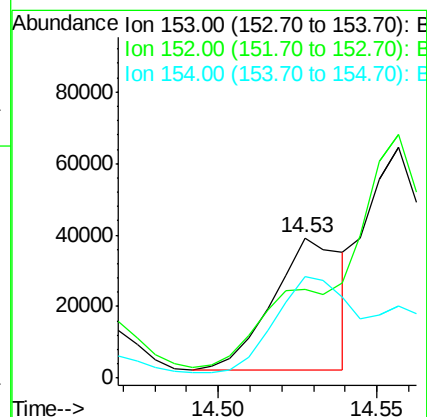
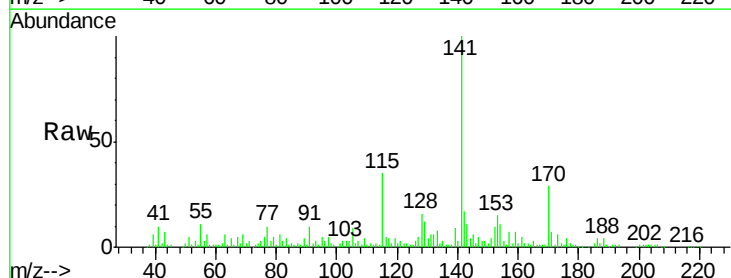
Tgt Ion:153 Resp: 56922

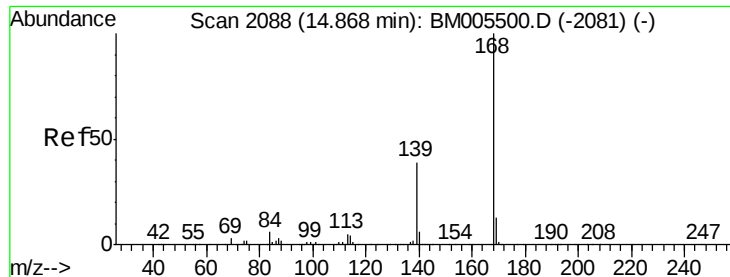
Ion Ratio Lower Upper

153 100

152 63.4 38.9 58.3#

154 72.2 70.3 105.5





#53

Dibenzenofuran

Concen: 34.86 ng/ul

RT: 14.87 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

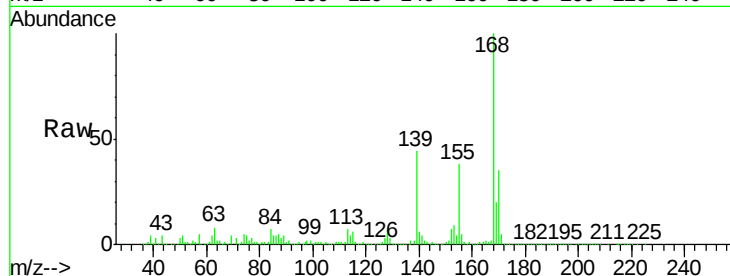
D9WT5

Tgt Ion:168 Resp: 2735925

Ion Ratio Lower Upper

168 100

139 43.5 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.87

1500000

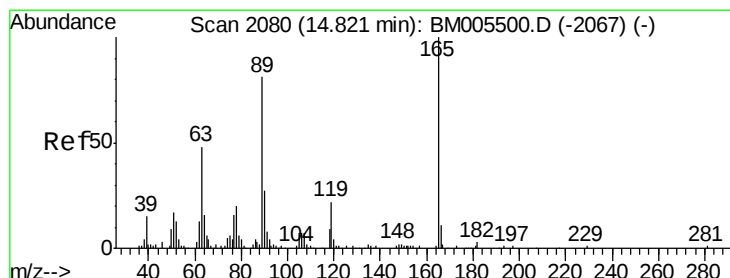
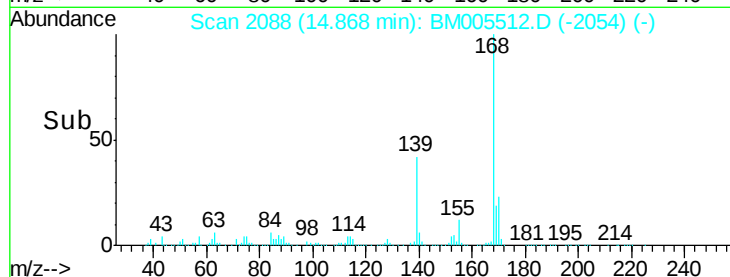
1000000

500000

0

14.80 14.85 14.90

Time-->



#54

2,4-Dinitrotoluene

Concen: 1.32 ng/ul

RT: 14.83 min Scan# 2081

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

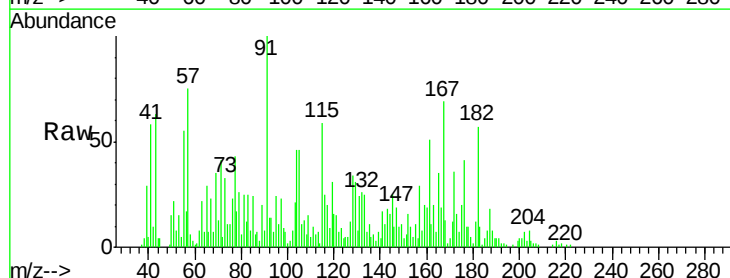
Tgt Ion:165 Resp: 25230

Ion Ratio Lower Upper

165 100

63 64.1 36.2 54.4#

182 164.0 2.5 3.7#



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

150000

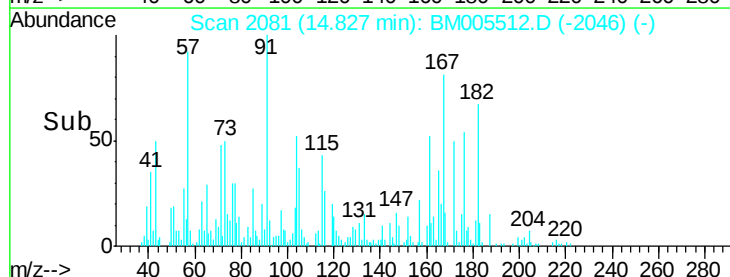
100000

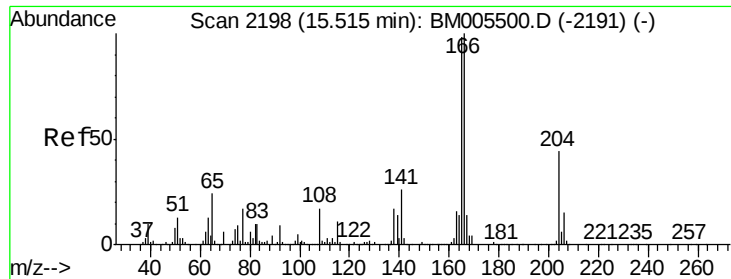
50000

0

14.80 14.82 14.84

Time-->

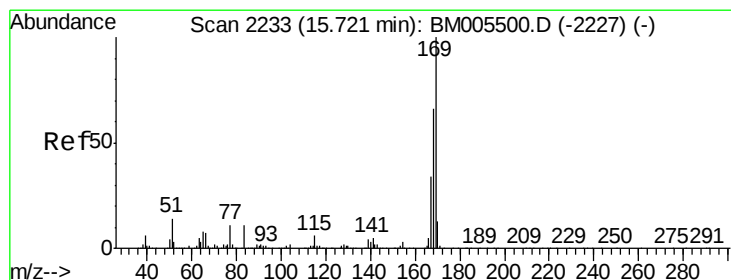
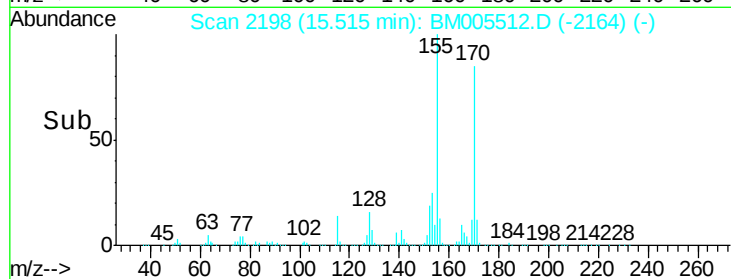
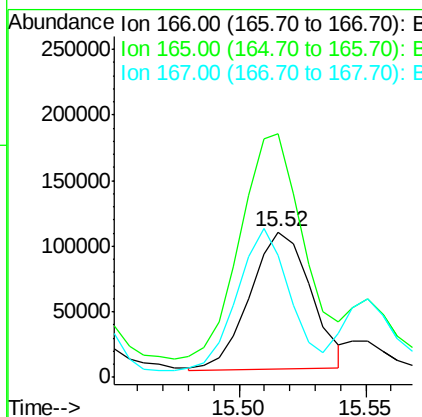
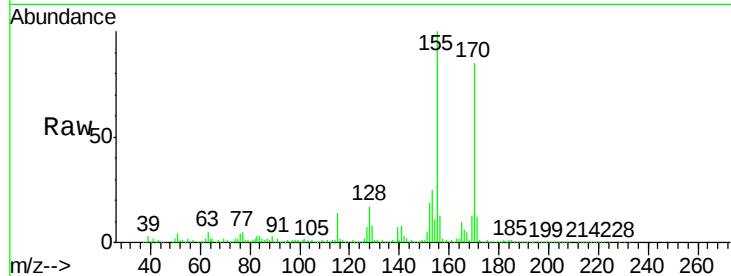




#58
 Fluorene
 Concen: 2.70 ng/ul
 RT: 15.52 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

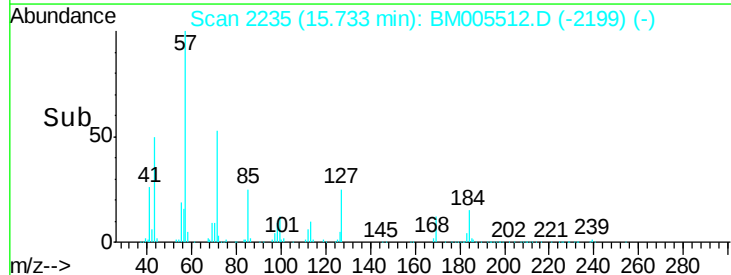
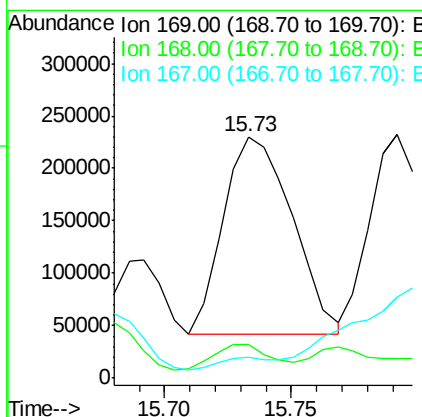
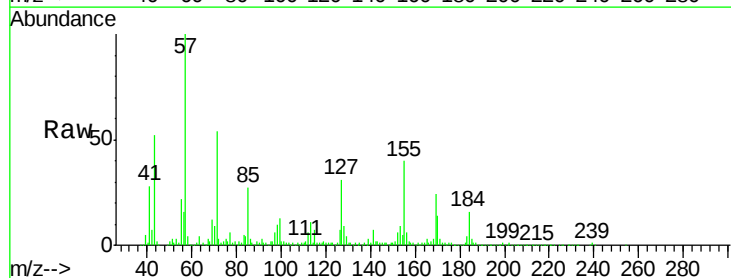
Instrument :
 BNA_M
 ClientSampled :
 D9WT5

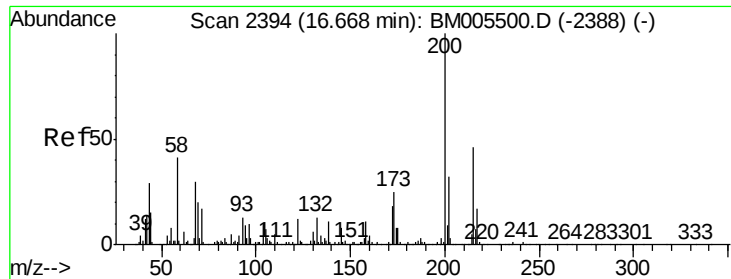
Tgt Ion:166 Resp: 175292
 Ion Ratio Lower Upper
 166 100
 165 167.2 77.9 116.9#
 167 84.0 10.6 16.0#



#64
 N-Nitrosodiphenylamine
 Concen: 6.36 ng/ul
 RT: 15.73 min Scan# 2235
 Delta R.T. 0.01 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

Tgt Ion:169 Resp: 353820
 Ion Ratio Lower Upper
 169 100
 168 13.9 52.9 79.3#
 167 8.9 28.2 42.4#

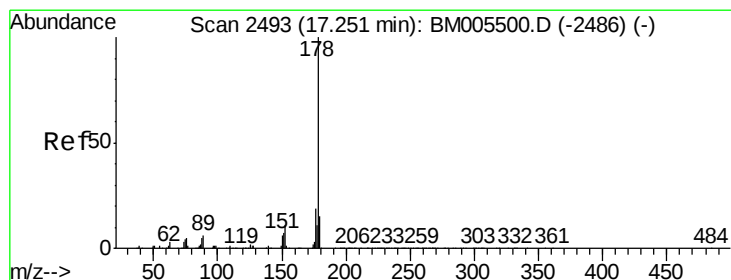
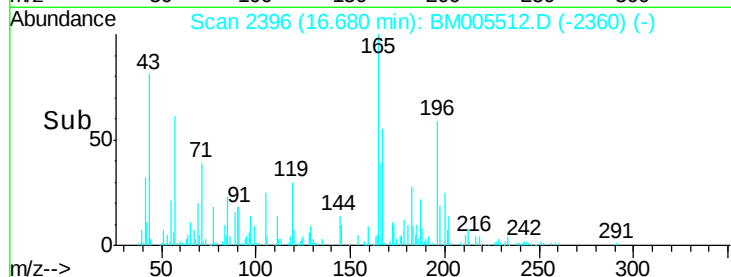
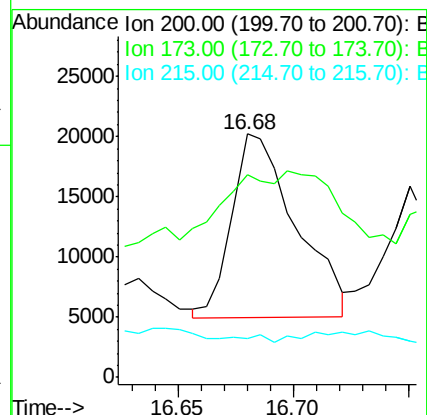
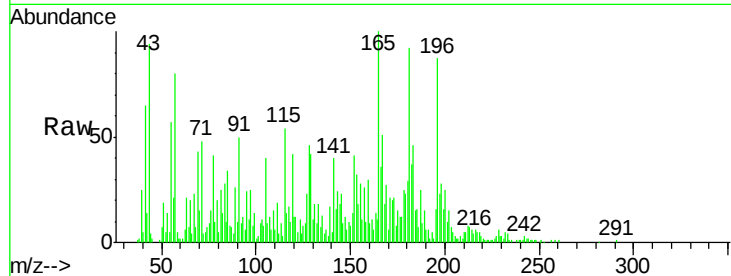




#67
 Atrazine
 Concen: 1.48 ng/ul
 RT: 16.68 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

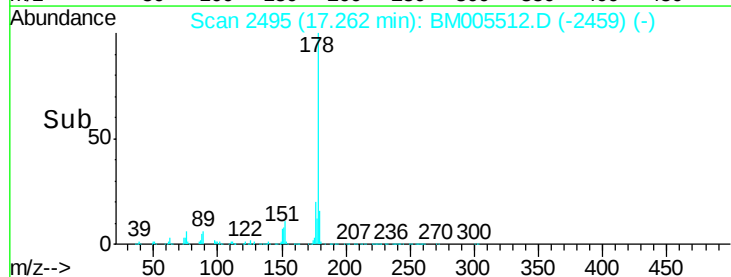
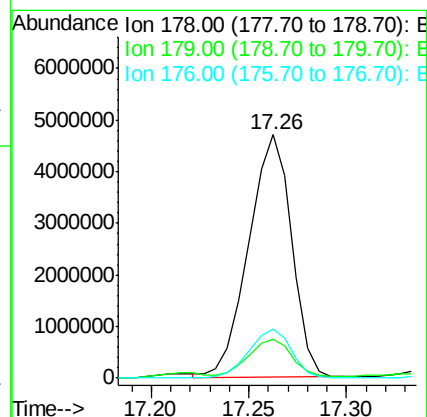
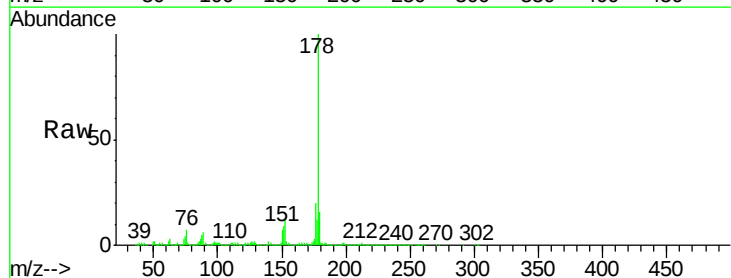
Instrument :
 BNA_M
 ClientSampleId :
 D9WT5

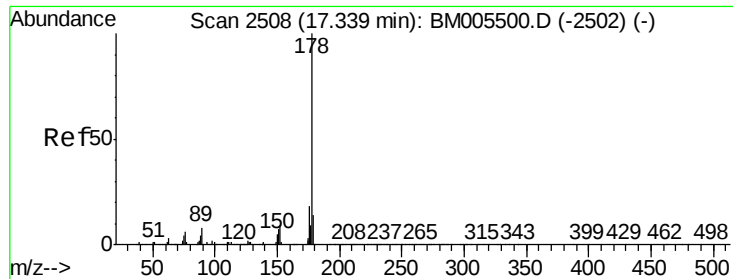
Tgt Ion:200 Resp: 29592
 Ion Ratio Lower Upper
 200 100
 173 83.4 21.0 31.4#
 215 16.1 37.4 56.2#



#69
 Phenanthrene
 Concen: 64.07 ng/ul
 RT: 17.26 min Scan# 2495
 Delta R.T. 0.01 min
 Lab File: BM005512.D
 Acq: 19 May 2016 23:43

Tgt Ion:178 Resp: 7150655
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 20.1 15.2 22.8





#71

Anthracene

Concen: 64.78 ng/ul

RT: 17.26 min Scan# 2495

Delta R.T. -0.08 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

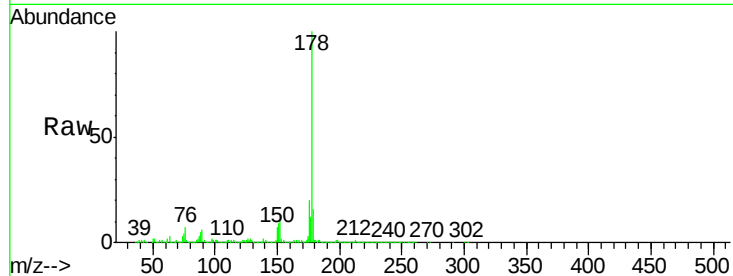
Tgt Ion:178 Resp: 7150655

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

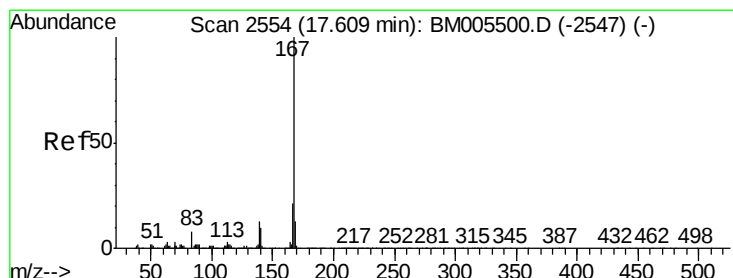
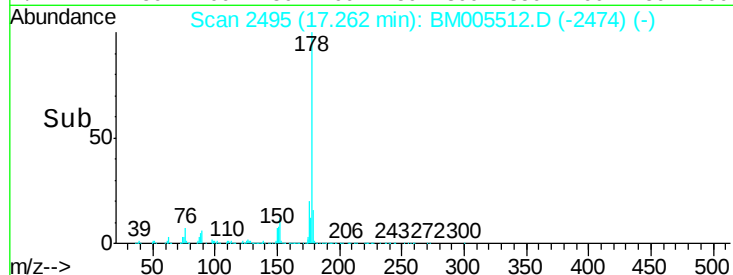
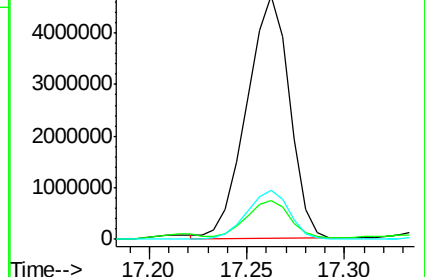
176 20.1 15.1 22.7



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: 4.25 ng/ul

RT: 17.62 min Scan# 2555

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

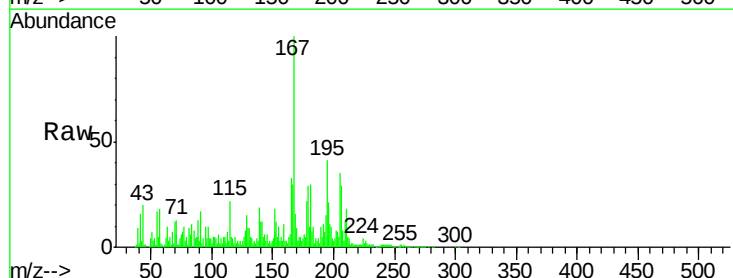
Tgt Ion:167 Resp: 424956

Ion Ratio Lower Upper

167 100

166 30.5 17.1 25.7#

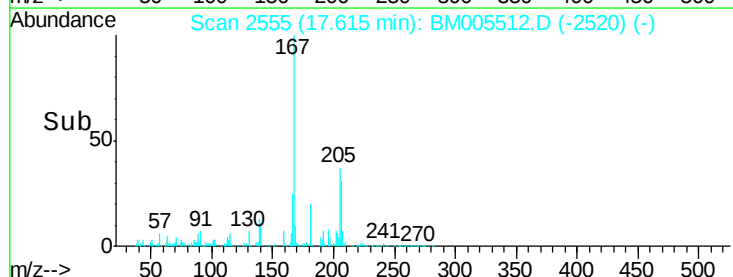
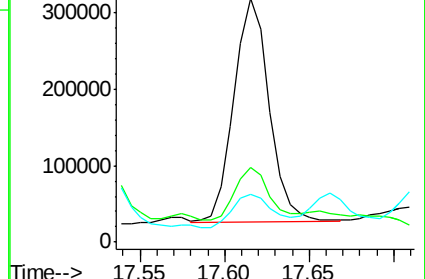
139 19.4 10.2 15.2#

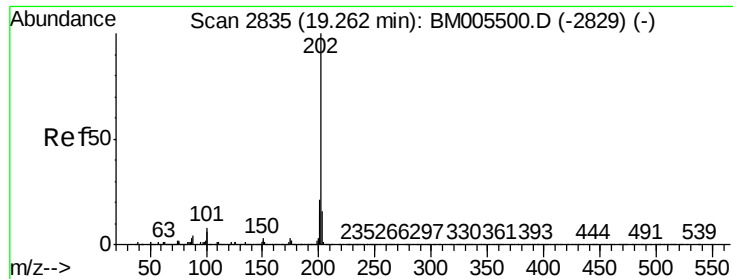


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 15.32 ng/ul

RT: 19.27 min Scan# 2836

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

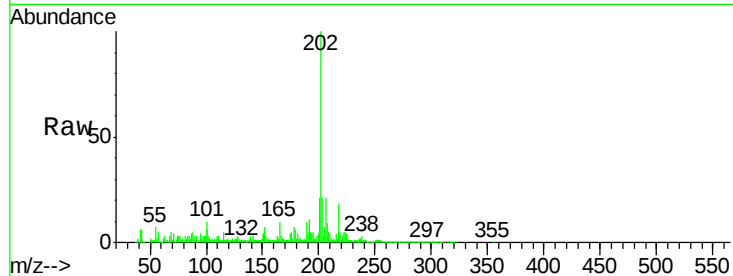
Tgt Ion:202 Resp: 1999527

Ion Ratio Lower Upper

202 100

101 9.8 9.2 13.8

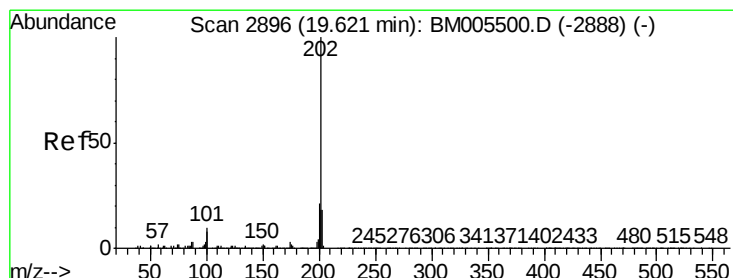
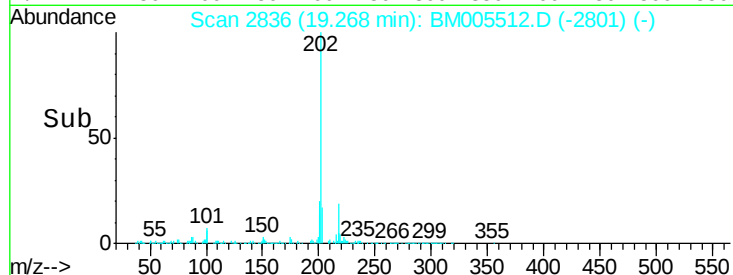
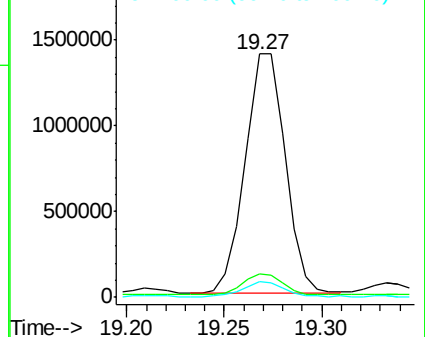
100 6.4 7.1 10.7#



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



#77

Pyrene

Concen: 14.56 ng/ul

RT: 19.63 min Scan# 2898

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

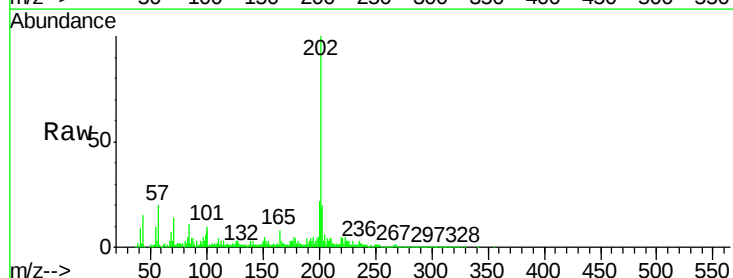
Tgt Ion:202 Resp: 2122470

Ion Ratio Lower Upper

202 100

101 10.4 10.8 16.2#

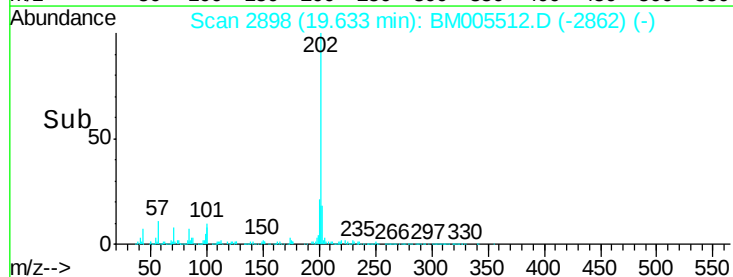
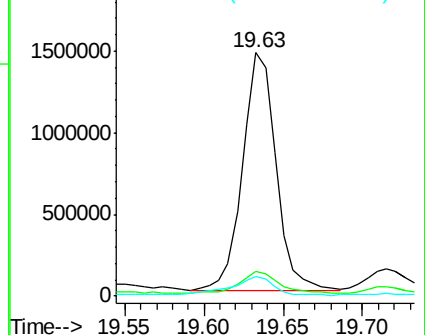
100 7.8 8.4 12.6#

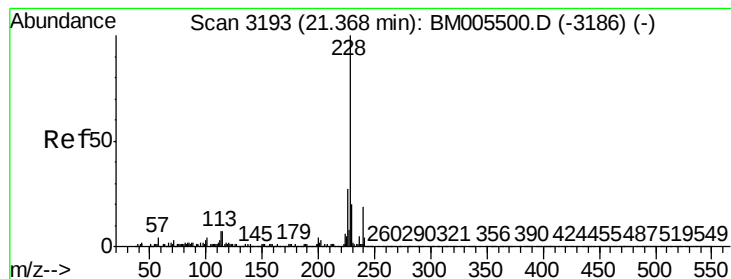


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.12 ng/ul

RT: 21.39 min Scan# 3196

Delta R.T. 0.02 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

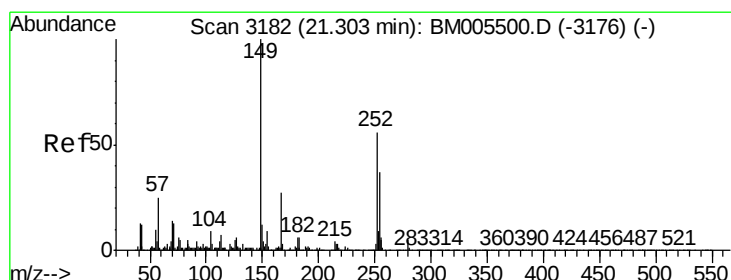
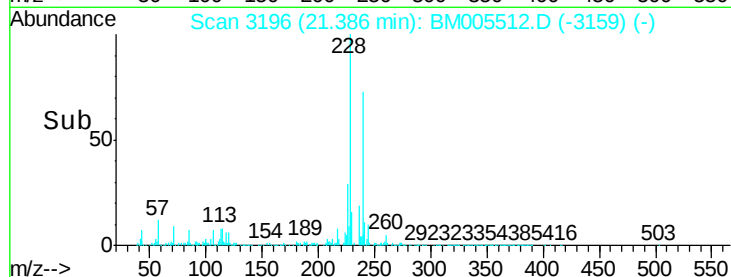
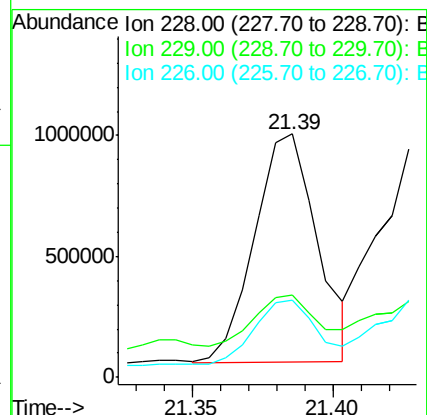
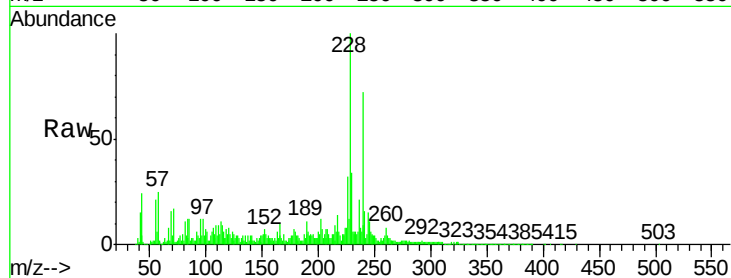
Tgt Ion:228 Resp: 1458312

Ion Ratio Lower Upper

228 100

229 33.7 15.5 23.3#

226 31.9 21.8 32.8



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.20 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

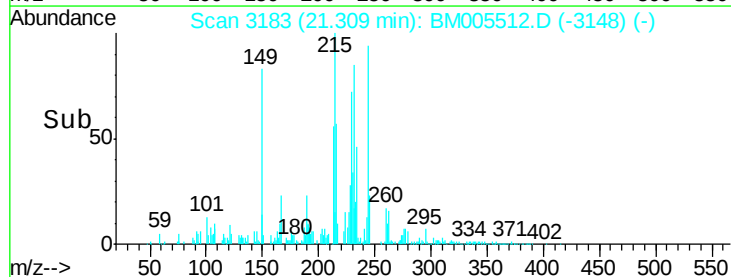
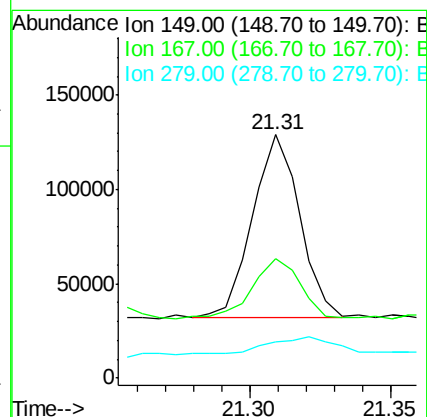
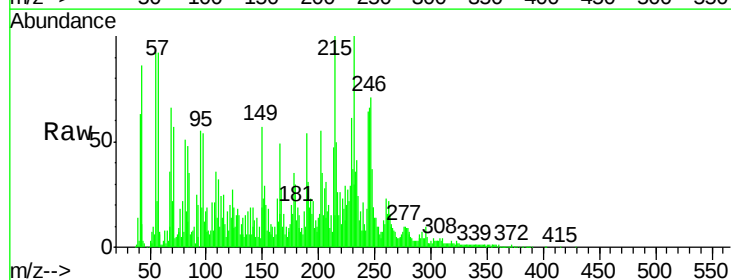
Tgt Ion:149 Resp: 111538

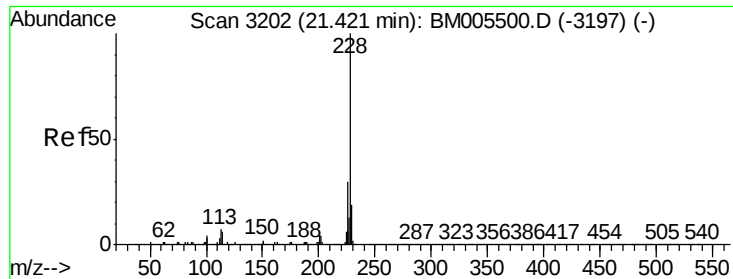
Ion Ratio Lower Upper

149 100

167 48.8 21.9 32.9#

279 15.1 3.0 4.4#





#82

Chrysene

Concen: 13.47 ng/ul

RT: 21.43 min Scan# 3204

Delta R.T. 0.01 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

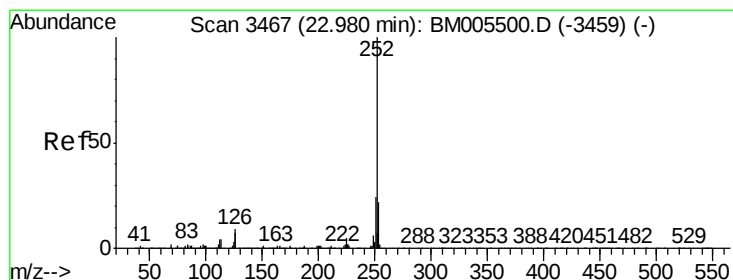
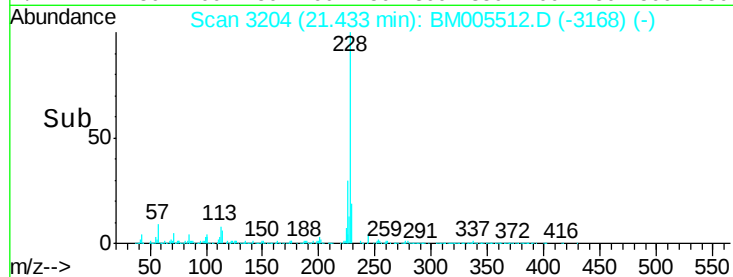
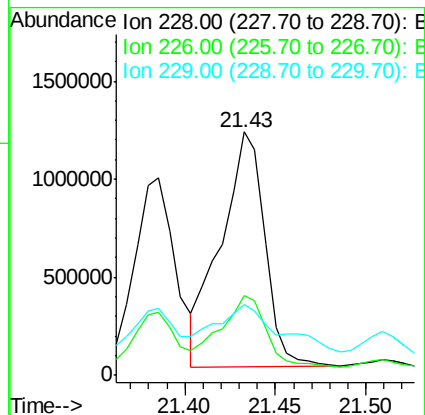
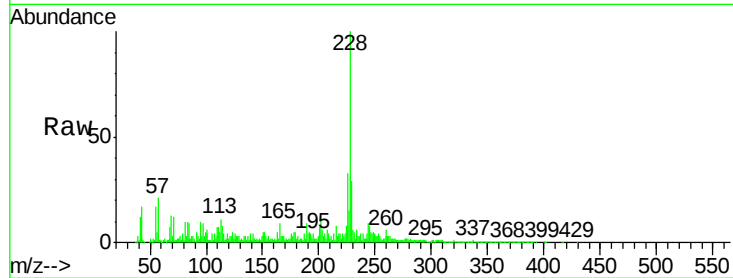
Tgt Ion:228 Resp: 2036083

Ion Ratio Lower Upper

228 100

226 32.7 23.6 35.4

229 29.0 15.4 23.0#



#85

Benzo(b)fluoranthene

Concen: 11.58 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. 0.03 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

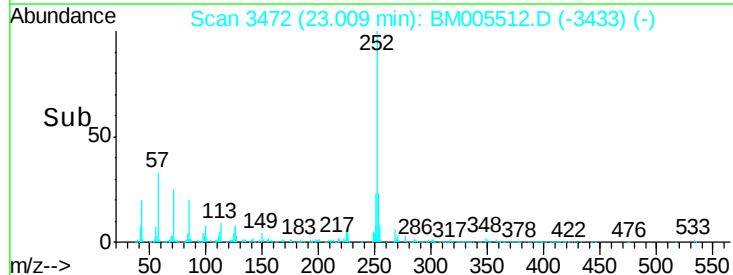
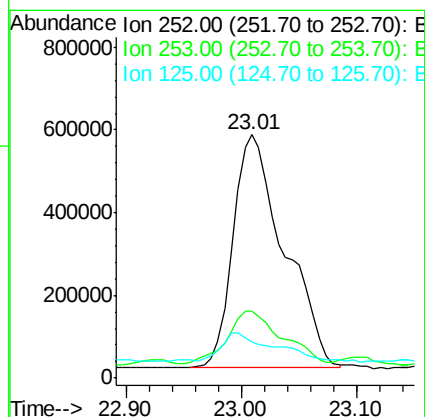
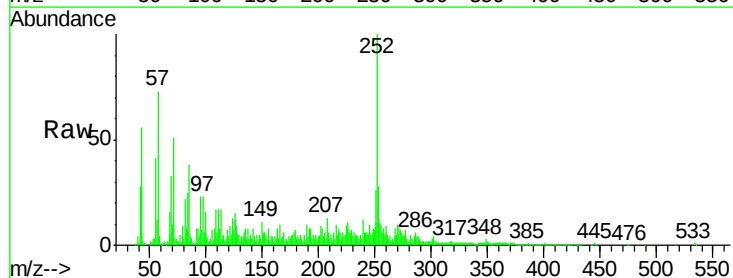
Tgt Ion:252 Resp: 1724753

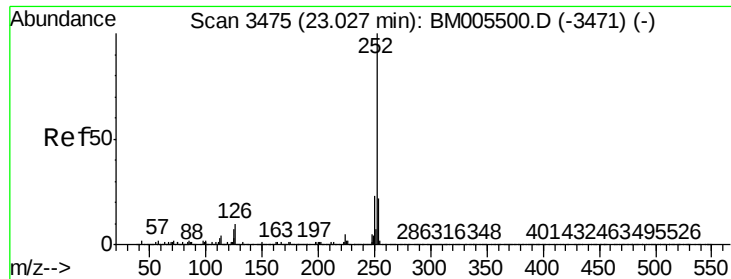
Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.2#

125 14.8 8.4 12.6#





#86

Benzo(k)fluoranthene

Concen: 11.92 ng/ul

RT: 23.01 min Scan# 3472

Delta R.T. -0.02 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

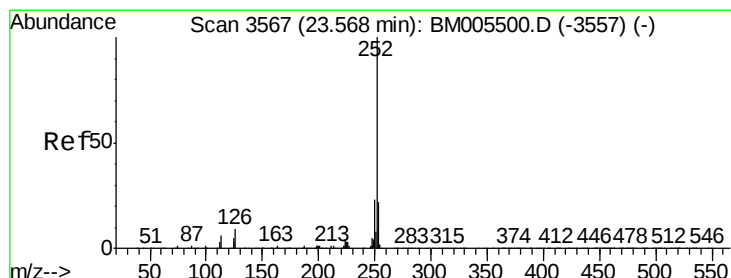
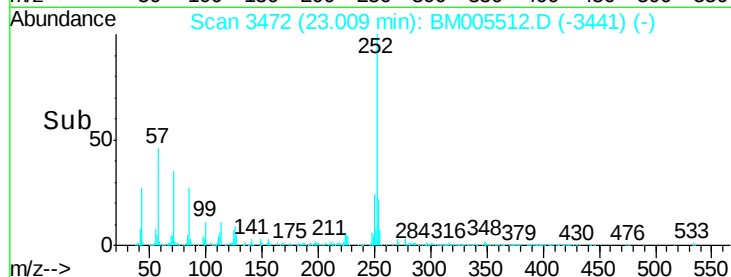
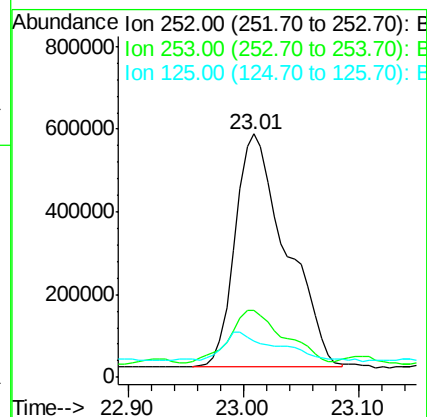
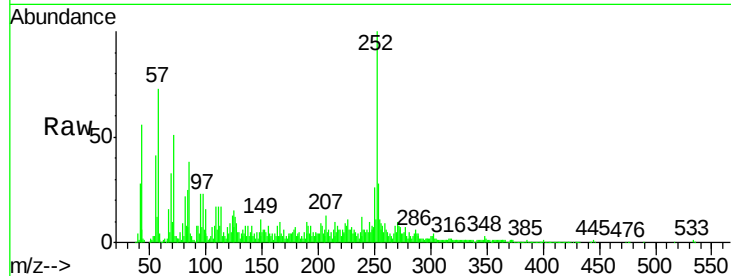
Tgt Ion:252 Resp: 1724753

Ion Ratio Lower Upper

252 100

253 27.7 17.3 25.9#

125 14.8 8.0 12.0#



#88

Benzo(a)pyrene

Concen: 4.80 ng/ul

RT: 23.60 min Scan# 3573

Delta R.T. 0.04 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

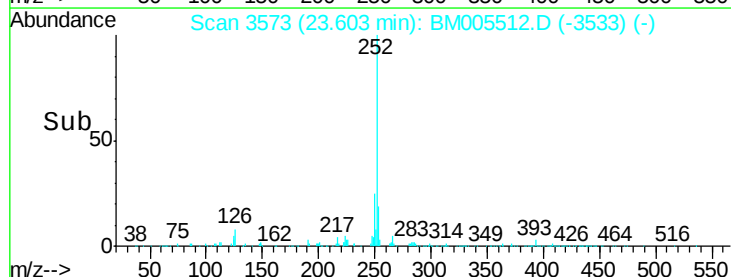
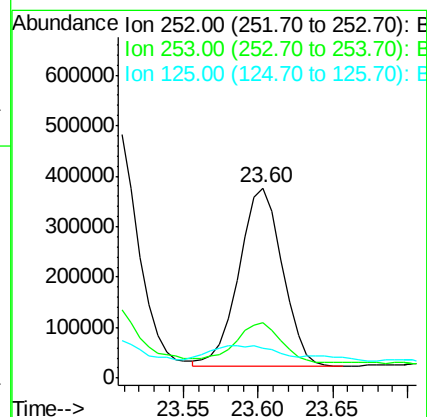
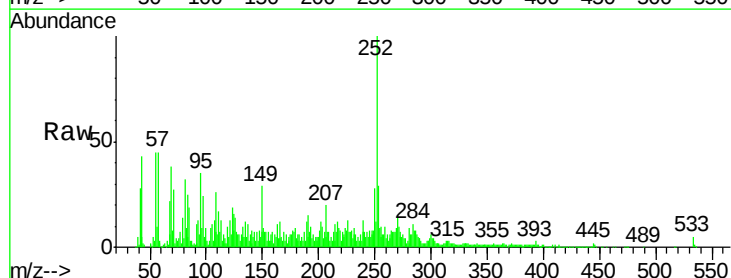
Tgt Ion:252 Resp: 710451

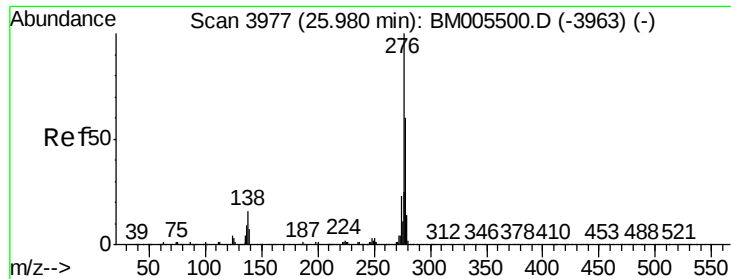
Ion Ratio Lower Upper

252 100

253 28.9 17.5 26.3#

125 15.5 8.7 13.1#





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.18 ng/ul

RT: 26.03 min Scan# 3986

Delta R.T. 0.05 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

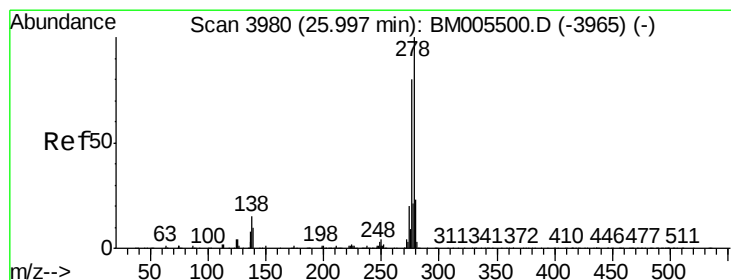
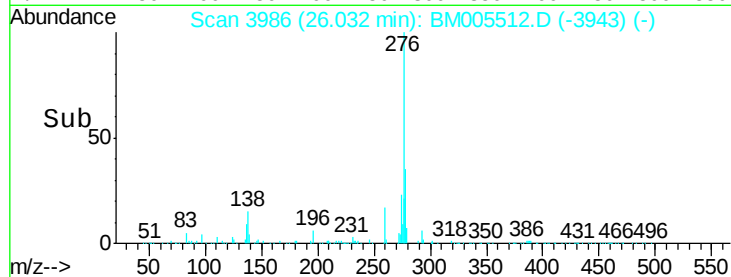
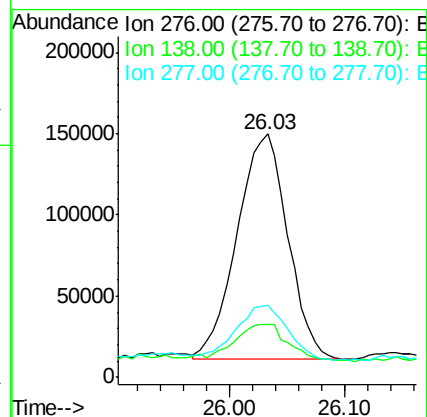
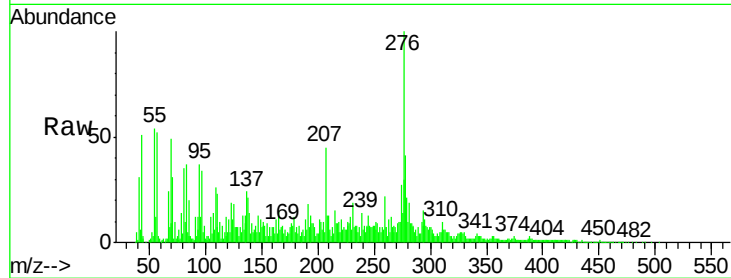
Tgt Ion:276 Resp: 424220

Ion Ratio Lower Upper

276 100

138 21.5 21.0 31.6

277 29.6 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 1.14 ng/ul

RT: 26.03 min Scan# 3986

Delta R.T. 0.04 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

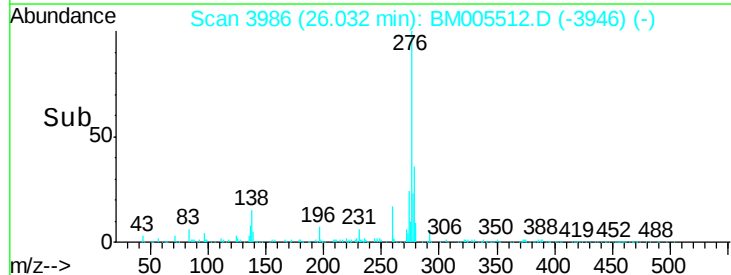
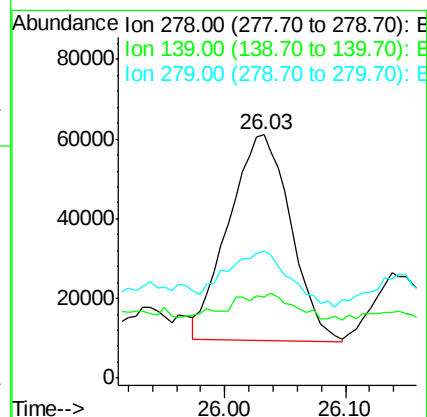
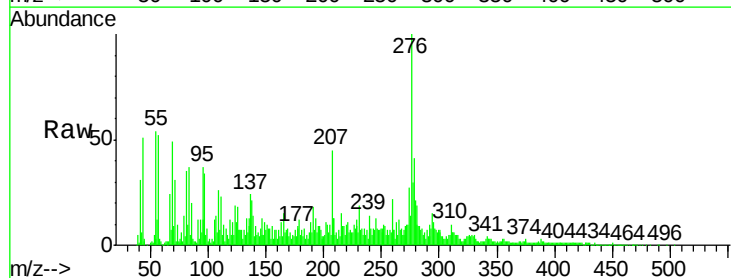
Tgt Ion:278 Resp: 184679

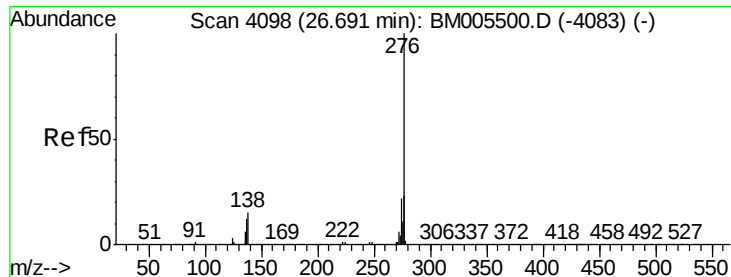
Ion Ratio Lower Upper

278 100

139 33.4 13.8 20.6#

279 52.1 18.9 28.3#





#91

Benzo(g,h,i)perylene

Concen: 3.42 ng/ul

RT: 26.74 min Scan# 4107

Delta R.T. 0.05 min

Lab File: BM005512.D

Acq: 19 May 2016 23:43

Instrument :

BNA_M

ClientSampleId :

D9WT5

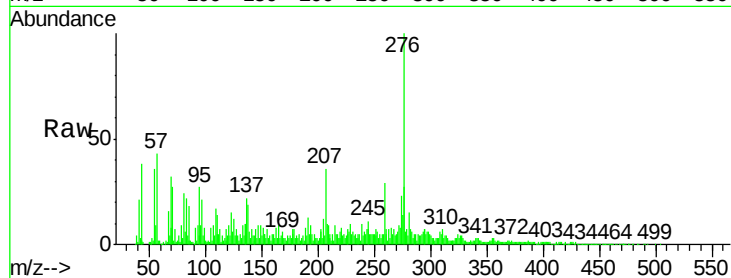
Tgt Ion:276 Resp: 576711

Ion Ratio Lower Upper

276 100

138 19.5 18.2 27.4

277 27.1 19.4 29.2



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

