

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
 Data File : BM005601.D
 Acq On : 22 May 2016 23:53
 Operator : UM/SJ
 Sample : H3124-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGF9

Quant Time: May 23 05:36:07 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 05:32:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	141046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	570044	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	292659	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.22	188	617328	20.00	ng/ul	0.03
75) Chrysene-d12	21.38	240	625317	20.00	ng/ul	0.02
83) Perylene-d12	23.53	264	737751	20.00	ng/ul	-0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	11311	3.51	ng/uL	0.00
5) Phenol-d5	7.00	99	299650	25.92	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.15	67	192999	28.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	245894	25.49	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	243203	25.67	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	123478	28.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	132610	27.64	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	248591	27.51	ng/ul	0.01
29) 4-Chloroaniline-d4	10.73	131	366919	40.55	ng/ul	-0.01
43) Dimethylphthalate-d6	13.87	166	631356	26.43	ng/ul	0.01
46) Acenaphthylene-d8	14.16	160	853640	28.58	ng/ul	0.02
51) 4-Nitrophenol-d4	14.67	143	150772	33.37	ng/ul	0.02
57) Fluorene-d10	15.46	176	568235	27.34	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.57	200	22797	6.42	ng/ul	0.01
70) Anthracene-d10	17.31	188	861806	29.31	ng/ul	0.02
76) Pyrene-d10	19.60	212	944108	33.34	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.53	264	732578	21.27	ng/ul	0.04

Target Compounds

						Qvalue
4) Benzaldehyde	6.96	77	11672	1.56	ng/ul#	16
14) Acetophenone	8.62	105	31852	2.23	ng/ul#	58
15) N-Nitroso-di-n-propylamine	8.65	70	9036	1.20	ng/ul#	41
17) Hexachloroethane	8.92	117	9488	2.45	ng/ul#	5
21) Isophorone	9.53	82	217745	11.03	ng/ul#	1
23) 2-Nitrophenol	9.73	139	10914	2.11	ng/ul#	1
24) 2,4-Dimethylphenol	9.83	107	41783	3.92	ng/ul	87
28) Naphthalene	10.67	128	41044	1.43	ng/ul#	44
33) 4-Chloro-3-methylphenol	11.91	107	14462	1.48	ng/ul#	28
44) Dimethylphthalate	13.92	163	145489	6.16	ng/ul#	79
45) 2,6-Dinitrotoluene	14.07	165	23339	4.89	ng/ul#	7
47) Acenaphthylene	14.19	152	151585	5.00	ng/ul#	44
48) 3-Nitroaniline	14.37	138	16451	3.72	ng/ul#	30
49) Acenaphthene	14.53	153	101325	5.06	ng/ul#	84
52) 4-Nitrophenol	14.69	109	5363	1.18	ng/ul#	16
53) Dibenzofuran	14.77	168	46653	1.63	ng/ul	94
58) Fluorene	15.52	166	175314	7.67	ng/ul#	82
63) 4,6-Dinitro-2-methylphenol	15.56	198	7264	1.95	ng/ul#	1
64) N-Nitrosodiphenylamine	15.73	169	329273	17.58	ng/ul#	51
69) Phenanthrene	17.26	178	719387	20.85	ng/ul#	90
71) Anthracene	17.34	178	199873	5.68	ng/ul#	73
73) Di-n-butylphthalate	18.17	149	45306	1.22	ng/ul#	48
74) Fluoranthene	19.27	202	873634	22.50	ng/ul	99

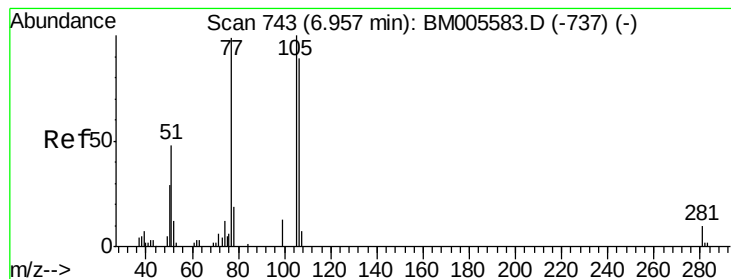
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	19.63	202	1473394	40.99	ng/ul	98
80) Benzo(a)anthracene	21.37	228	414673	11.28	ng/ul#	71
81) Bis(2-ethylhexyl)phthalate	21.29	149	226683	10.59	ng/ul#	89
82) Chrysene	21.42	228	586363	16.77	ng/ul#	85
88) Benzo(a)pyrene	23.49	252	405014	9.60	ng/ul#	77

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



#4

Benzaldehyde

Concen: 1.56 ng/ul

RT: 6.96 min Scan# 743

Delta R.T. -0.00 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

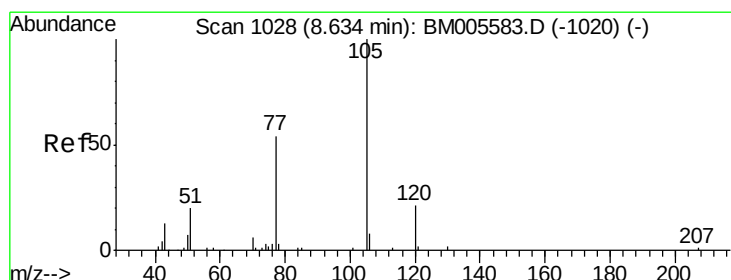
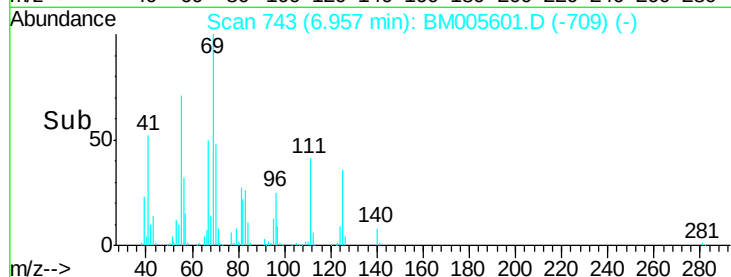
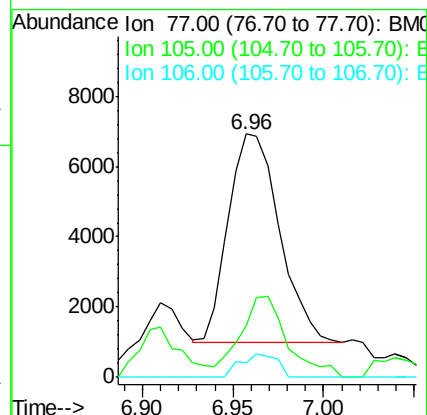
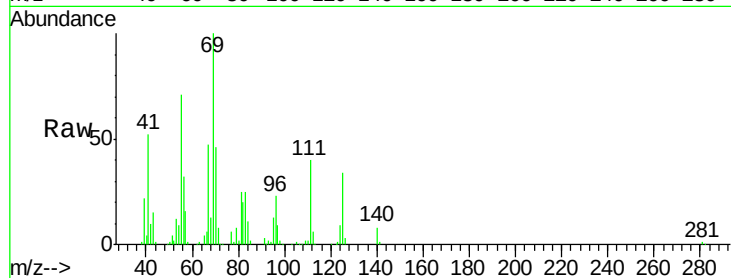
Tgt Ion: 77 Resp: 11672

Ion Ratio Lower Upper

77 100

105 21.4 79.3 118.9#

106 5.9 75.2 112.8#



#14

Acetophenone

Concen: 2.23 ng/ul

RT: 8.62 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

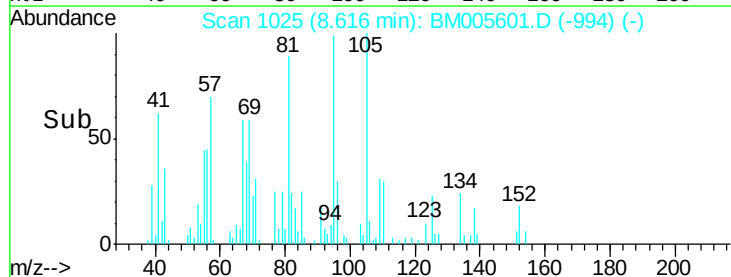
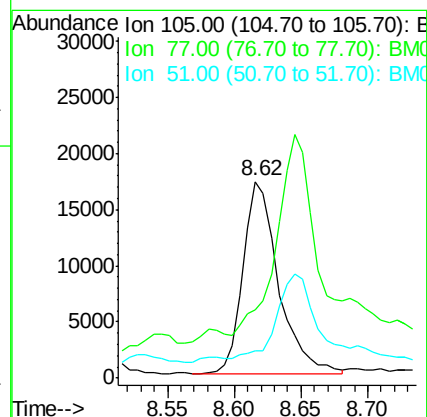
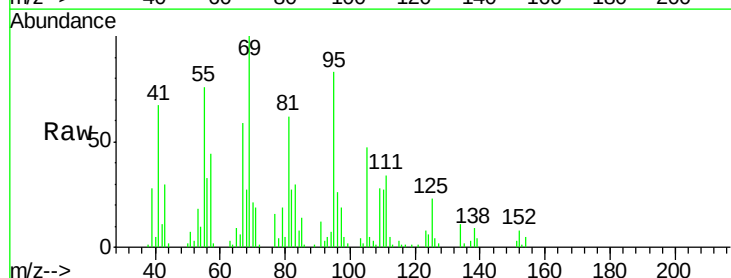
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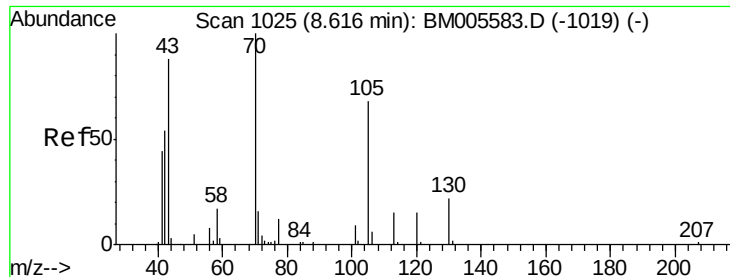
Ion Ratio Lower Upper

105 100

77 35.0 60.8 91.2#

51 14.0 22.2 33.2#





#15

N-Nitroso-di-n-propylamine

Concen: 1.20 ng/ul

RT: 8.65 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

Tgt Ion: 70 Resp: 9036

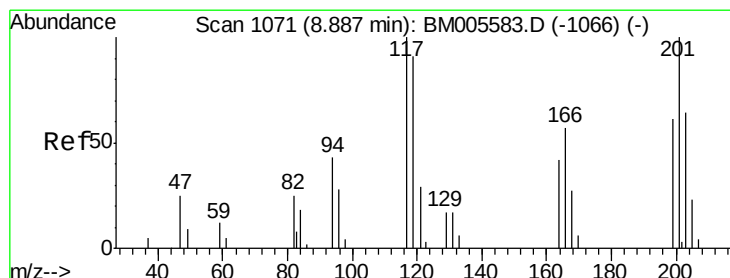
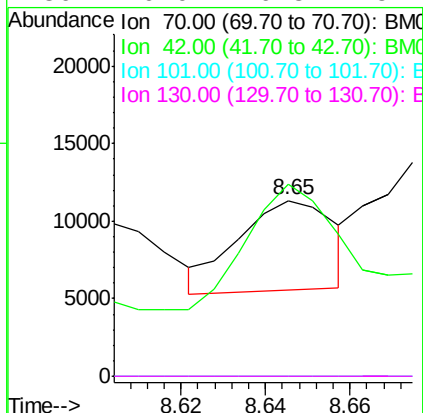
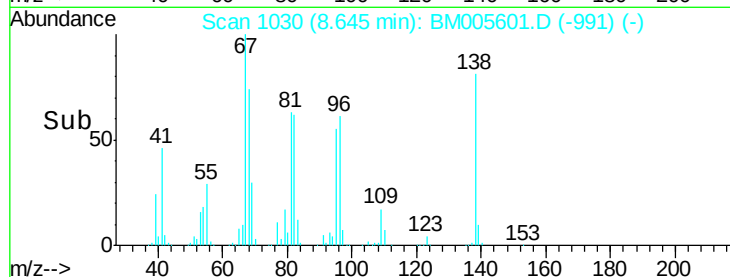
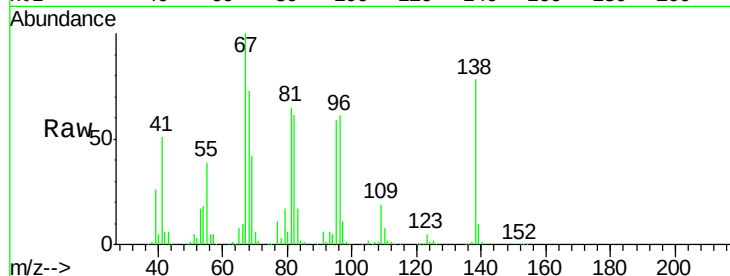
Ion Ratio Lower Upper

70 100

42 109.0 46.1 69.1#

101 0.0 8.0 12.0#

130 0.0 16.8 25.2#



#17

Hexachloroethane

Concen: 2.45 ng/ul

RT: 8.92 min Scan# 1077

Delta R.T. 0.04 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

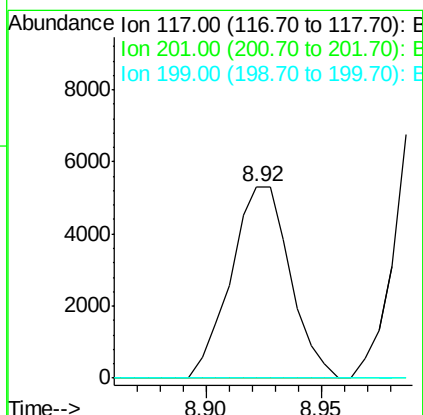
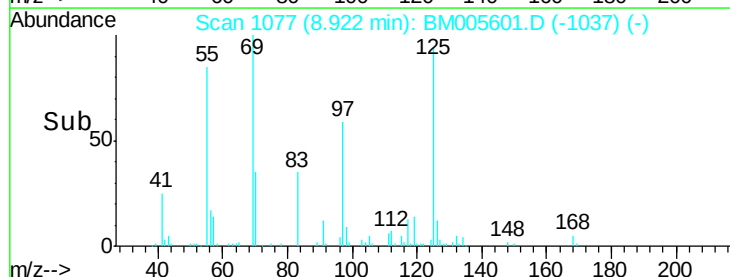
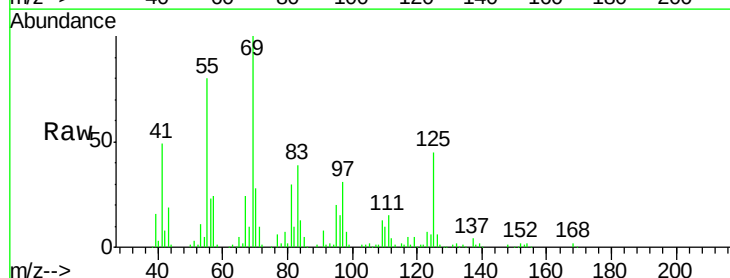
Tgt Ion: 117 Resp: 9488

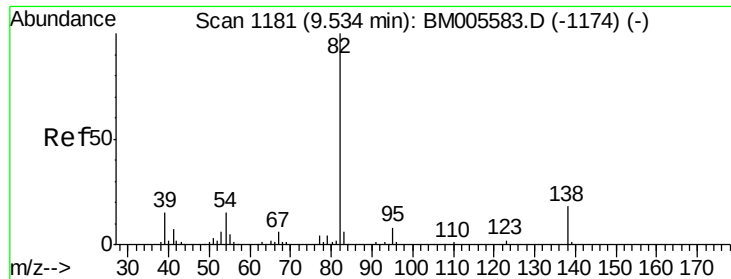
Ion Ratio Lower Upper

117 100

201 0.0 84.8 127.2#

199 0.0 50.5 75.7#





#21

Isophorone

Concen: 11.03 ng/ul

RT: 9.53 min Scan# 1181

Delta R.T. -0.00 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

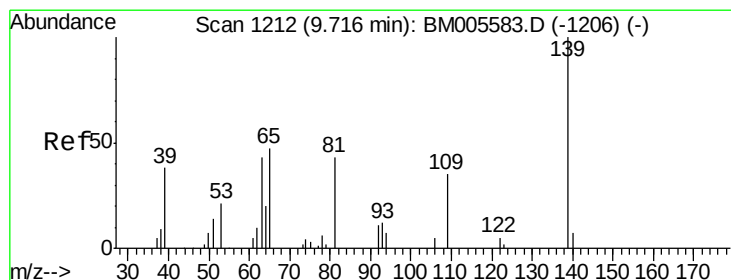
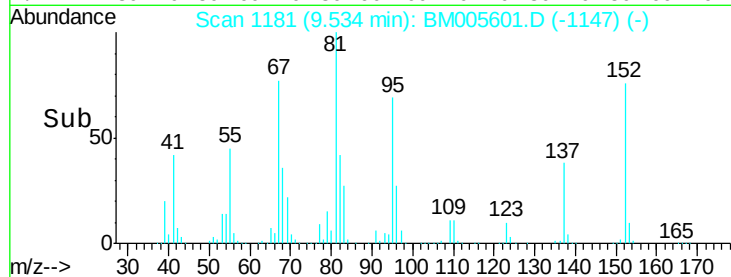
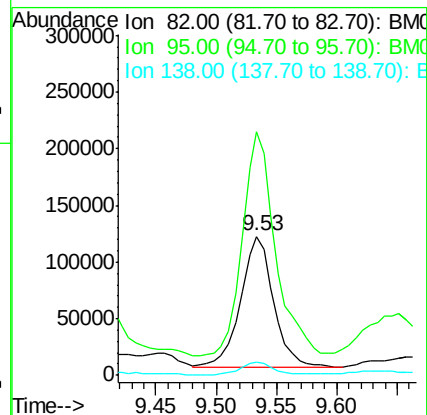
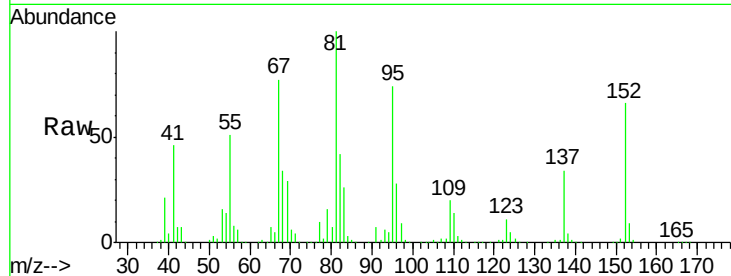
Tgt Ion: 82 Resp: 217745

Ion Ratio Lower Upper

82 100

95 175.2 6.4 9.6#

138 9.2 13.8 20.6#



#23

2-Nitrophenol

Concen: 2.11 ng/ul

RT: 9.73 min Scan# 1215

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

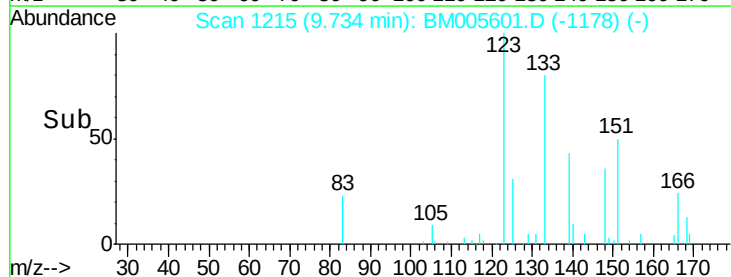
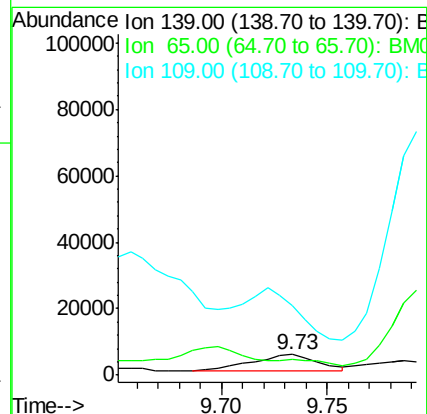
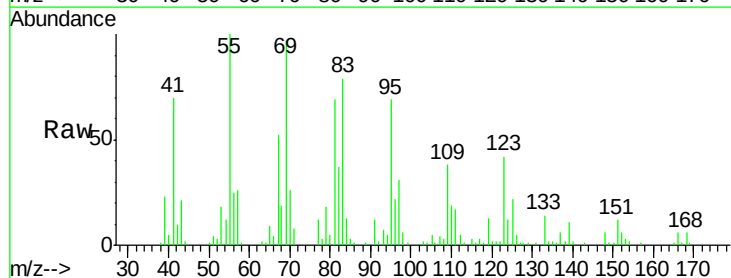
Tgt Ion: 139 Resp: 10914

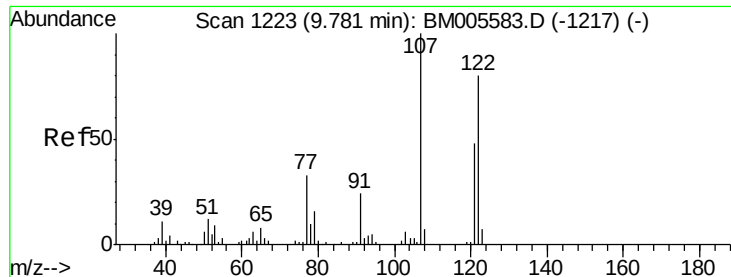
Ion Ratio Lower Upper

139 100

65 77.3 45.2 67.8#

109 339.2 30.8 46.2#

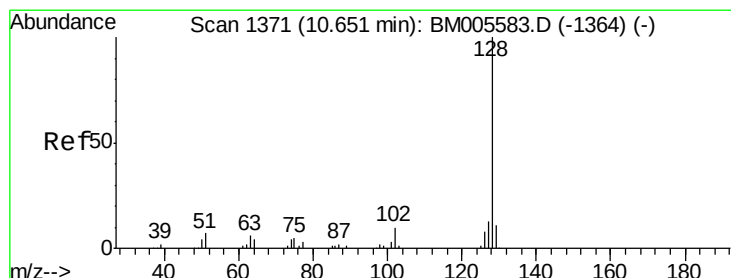
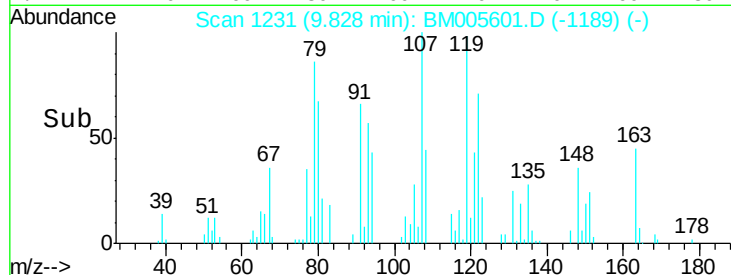
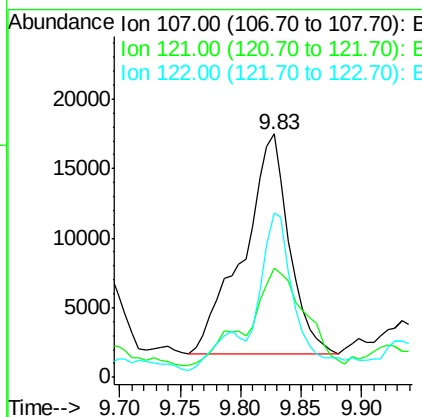
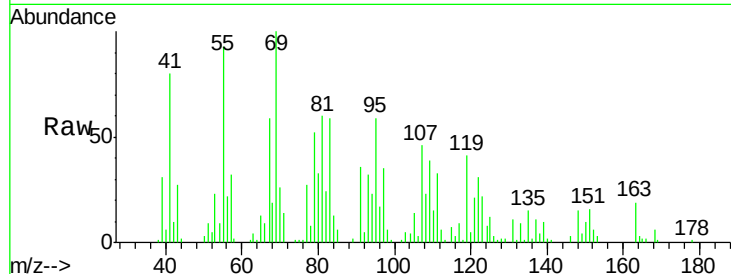




#24
2,4-Dimethylphenol
Concen: 3.92 ng/ul
RT: 9.83 min Scan# 1231
Delta R.T. 0.05 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

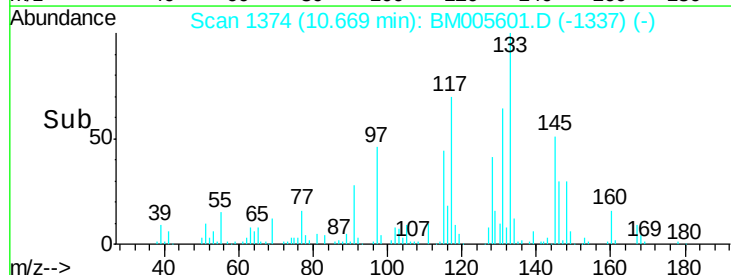
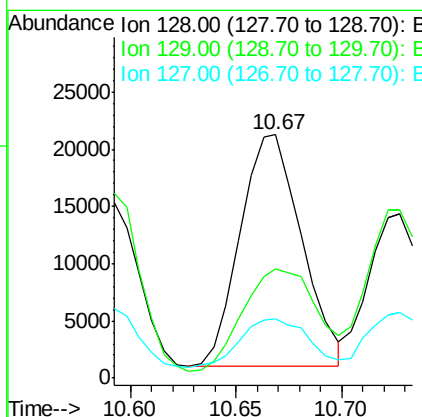
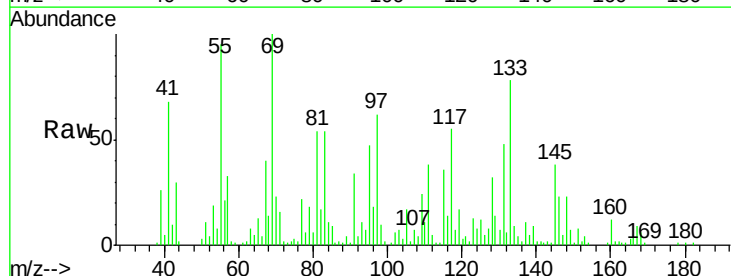
Instrument :
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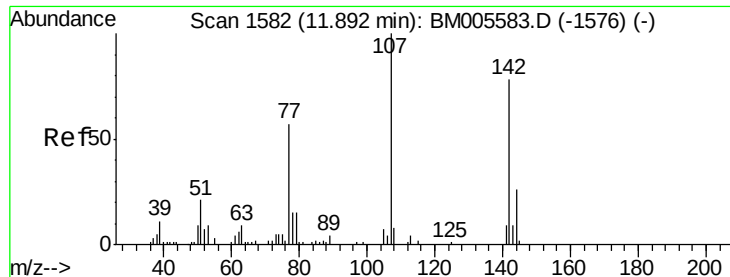
Tgt Ion:107 Resp: 41783
Ion Ratio Lower Upper
107 100
121 44.9 37.5 56.3
122 67.2 66.9 100.3



#28
Naphthalene
Concen: 1.43 ng/ul
RT: 10.67 min Scan# 1374
Delta R.T. 0.02 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion:128 Resp: 41044
Ion Ratio Lower Upper
128 100
129 44.9 8.6 13.0#
127 24.1 10.6 15.8#

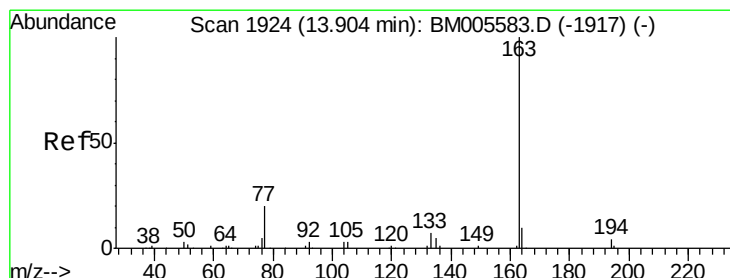
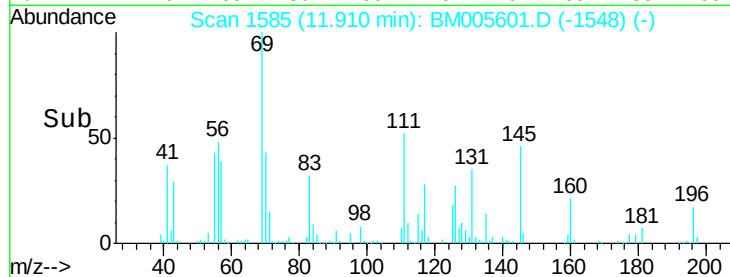
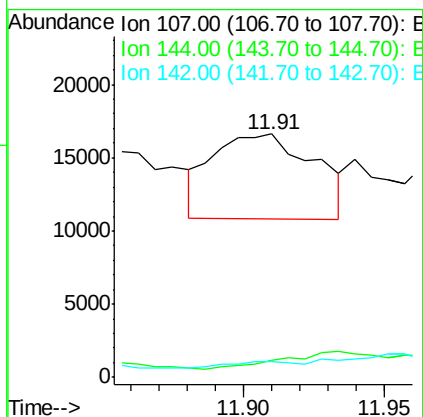
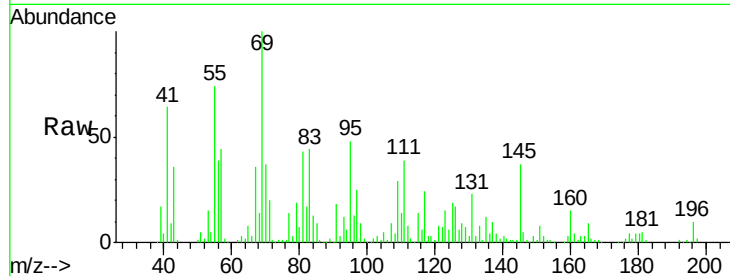




#33
 4-Chloro-3-methylphenol
 Concen: 1.48 ng/ul
 RT: 11.91 min Scan# 1585
 Delta R.T. 0.02 min
 Lab File: BM005601.D
 Acq: 22 May 2016 23:53

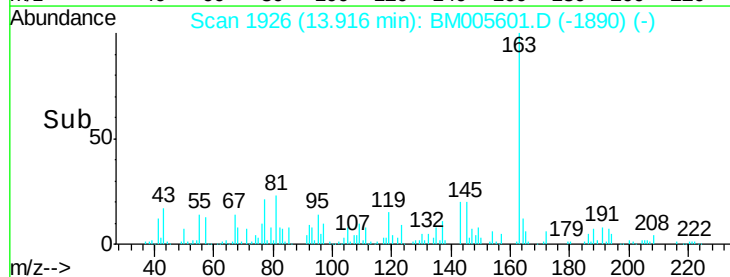
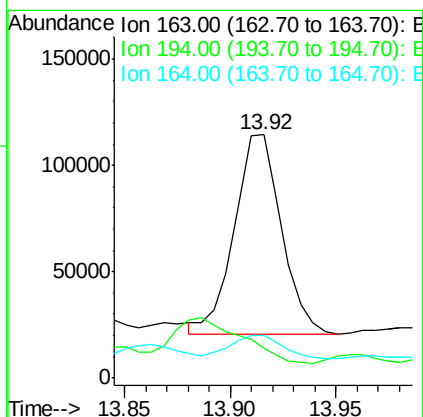
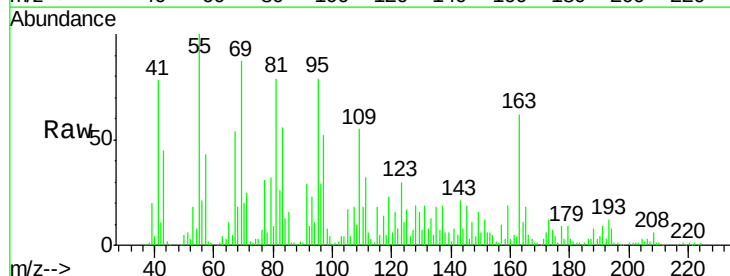
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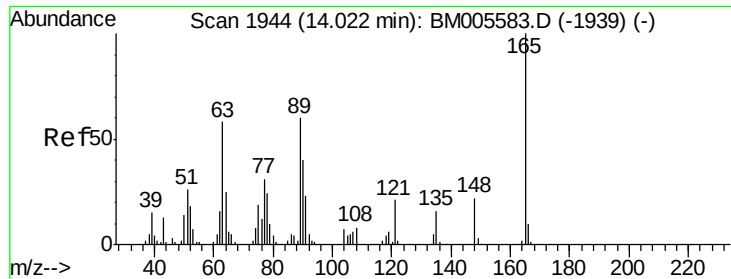
Tgt Ion:107 Resp: 14462
 Ion Ratio Lower Upper
 107 100
 144 7.1 20.6 31.0#
 142 6.3 63.5 95.3#



#44
 Dimethylphthalate
 Concen: 6.16 ng/ul
 RT: 13.92 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: BM005601.D
 Acq: 22 May 2016 23:53

Tgt Ion:163 Resp: 145489
 Ion Ratio Lower Upper
 163 100
 194 12.3 3.4 5.0#
 164 17.5 8.0 12.0#

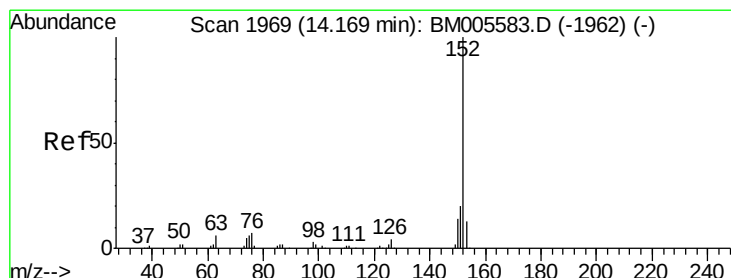
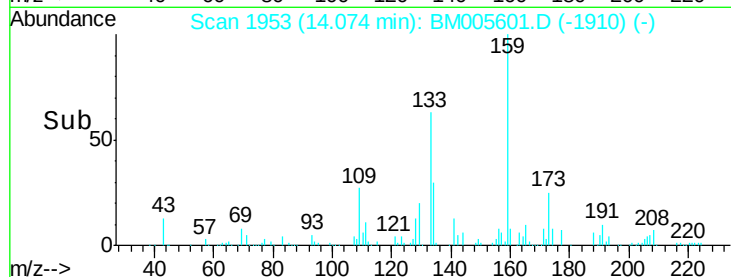
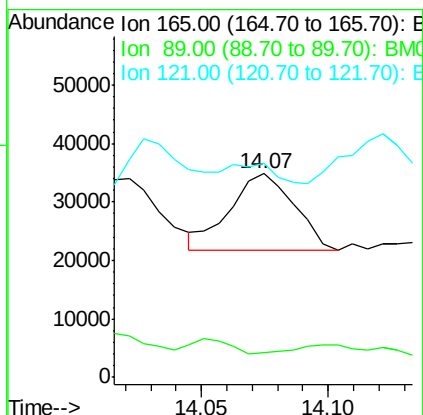
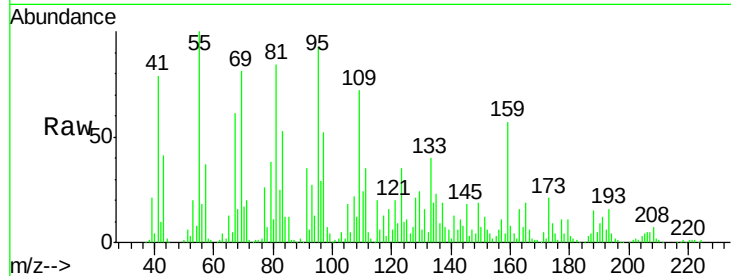




#45
2,6-Dinitrotoluene
Concen: 4.89 ng/ul
RT: 14.07 min Scan# 1953
Delta R.T. 0.05 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

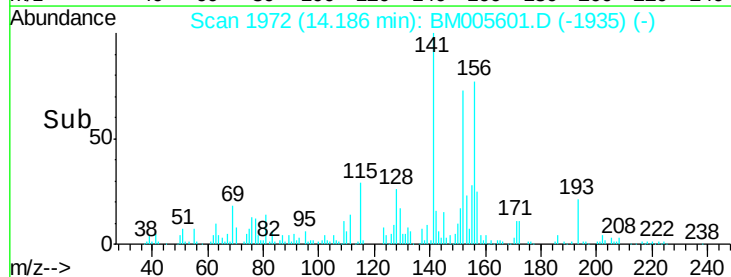
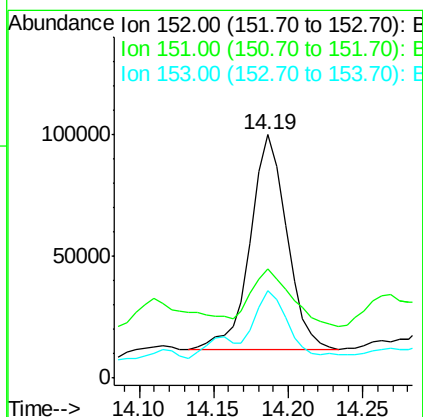
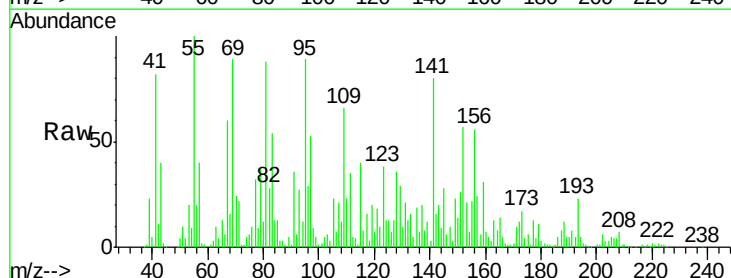
Instrument :
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ClientSampleId :
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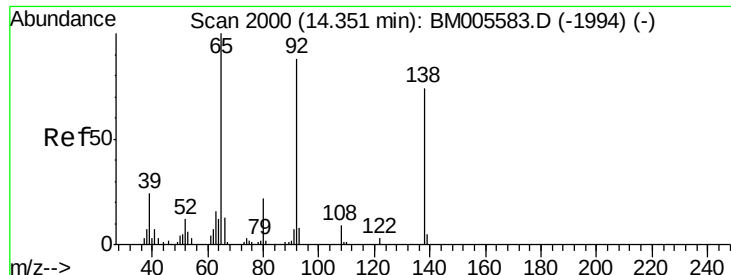
Tgt Ion:165 Resp: 23339
Ion Ratio Lower Upper
165 100
89 11.9 48.2 72.2#
121 105.1 17.4 26.0#



#47
Acenaphthylene
Concen: 5.00 ng/ul
RT: 14.19 min Scan# 1972
Delta R.T. 0.02 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion:152 Resp: 151585
Ion Ratio Lower Upper
152 100
151 45.1 15.7 23.5#
153 35.7 10.5 15.7#

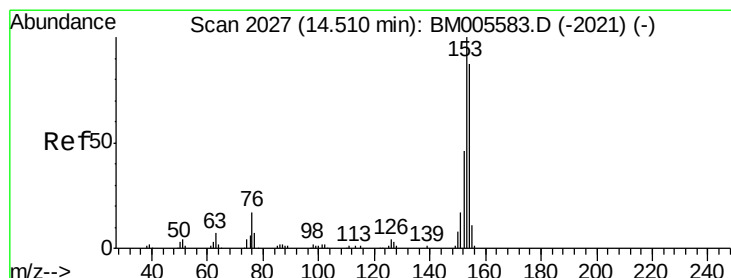
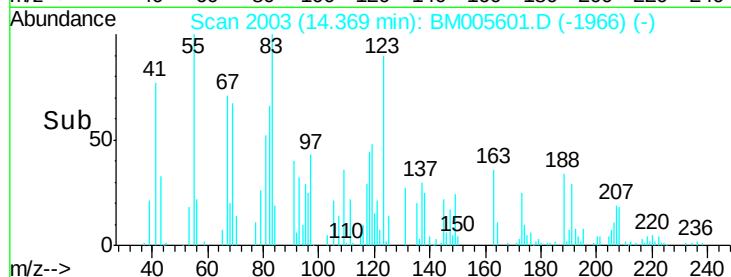
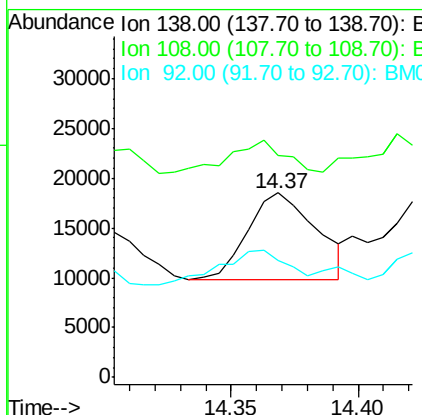
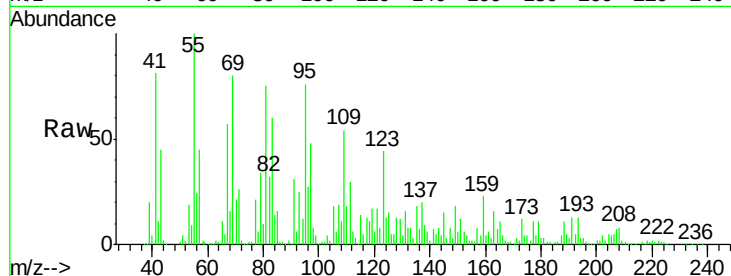




#48
3-Nitroaniline
Concen: 3.72 ng/ul
RT: 14.37 min Scan# 2003
Delta R.T. 0.02 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

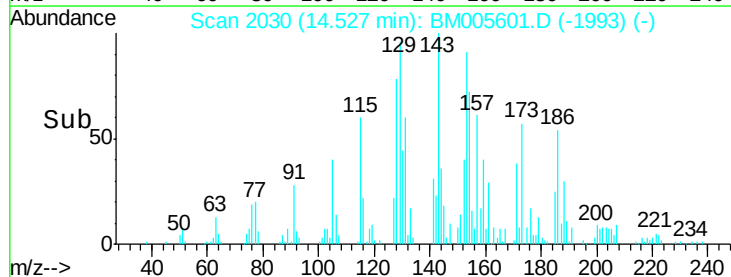
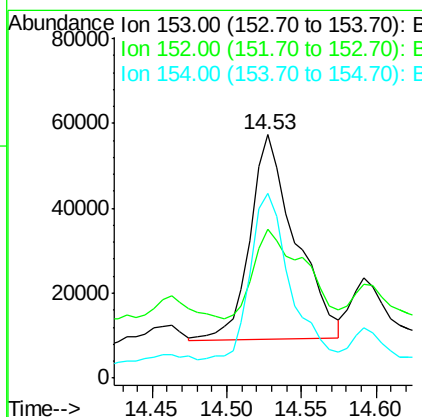
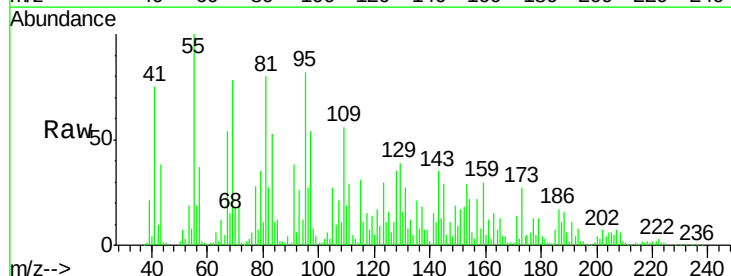
Instrument :
BNA_M
ClientSampleId :
JHGF9

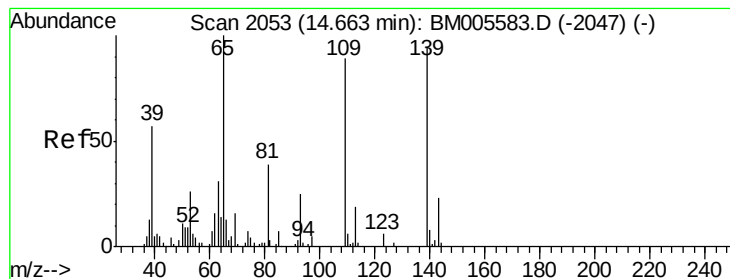
Tgt Ion:138 Resp: 16451
Ion Ratio Lower Upper
138 100
108 120.1 9.1 13.7#
92 63.2 92.8 139.2#



#49
Acenaphthene
Concen: 5.06 ng/ul
RT: 14.53 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion:153 Resp: 101325
Ion Ratio Lower Upper
153 100
152 61.4 37.8 56.6#
154 75.9 71.1 106.7





#52

4-Nitrophenol

Concen: 1.18 ng/ul

RT: 14.69 min Scan# 2058

Delta R.T. 0.03 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

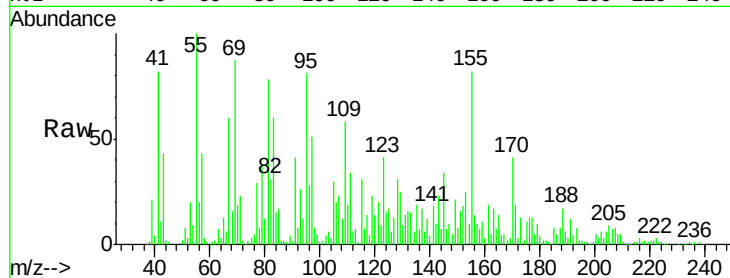
Tgt Ion:109 Resp: 5363

Ion Ratio Lower Upper

109 100

139 21.4 87.5 131.3#

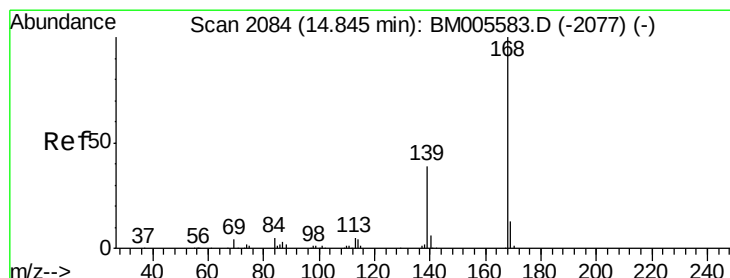
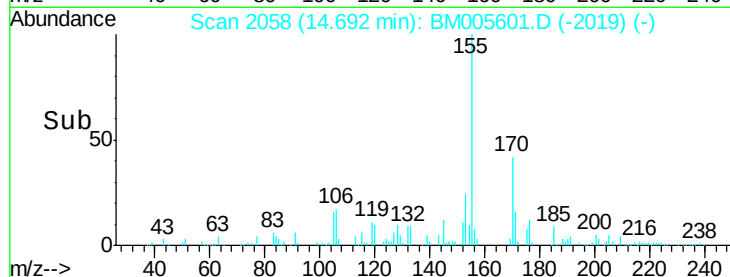
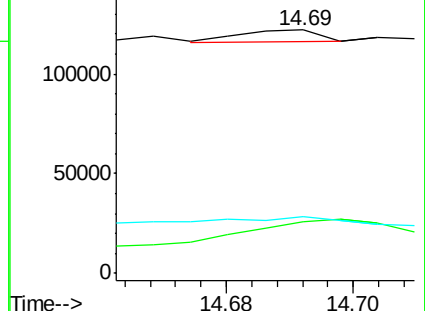
65 23.0 90.2 135.2#



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#53

Dibenzofuran

Concen: 1.63 ng/ul

RT: 14.77 min Scan# 2072

Delta R.T. -0.07 min

Lab File: BM005601.D

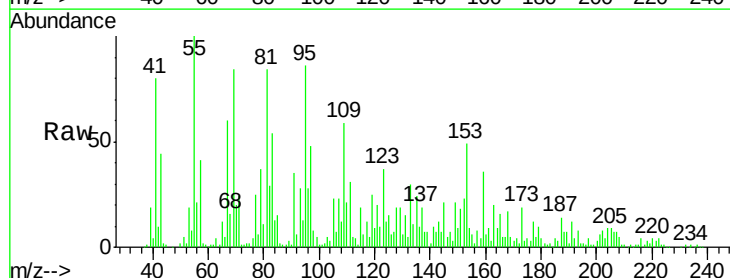
Acq: 22 May 2016 23:53

Tgt Ion:168 Resp: 46653

Ion Ratio Lower Upper

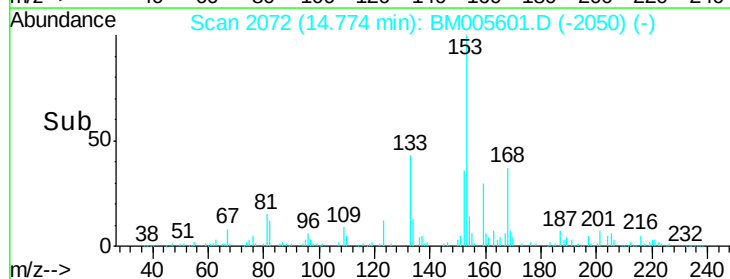
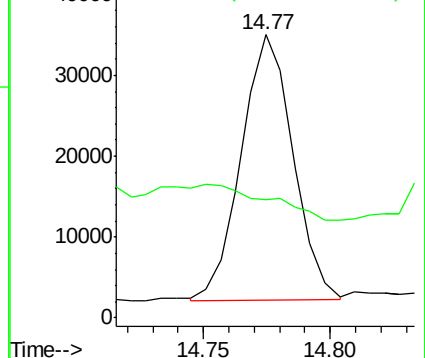
168 100

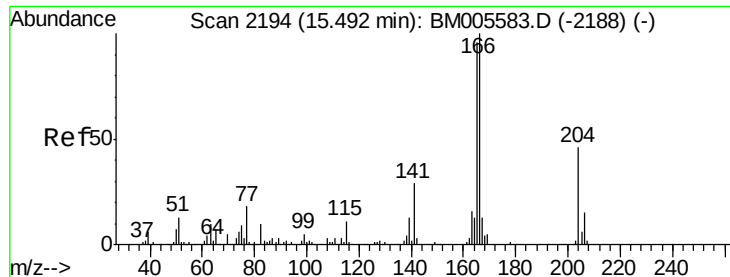
139 41.8 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 7.67 ng/ul

RT: 15.52 min Scan# 2198

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

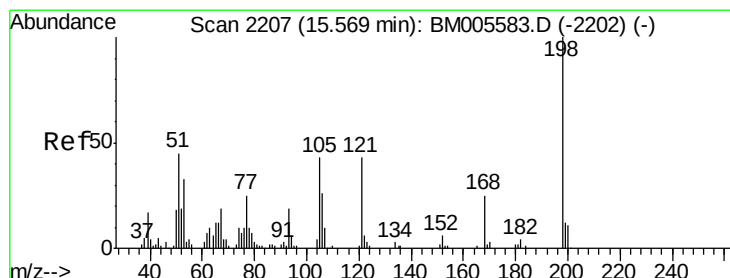
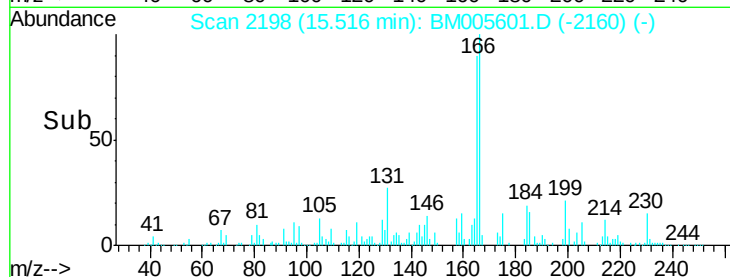
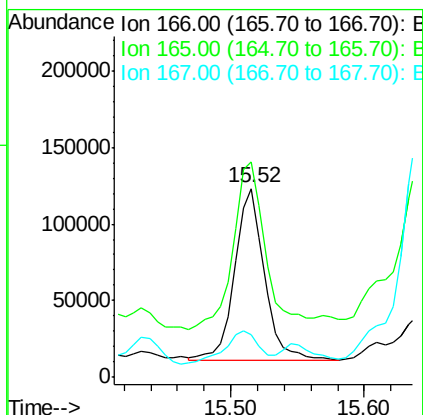
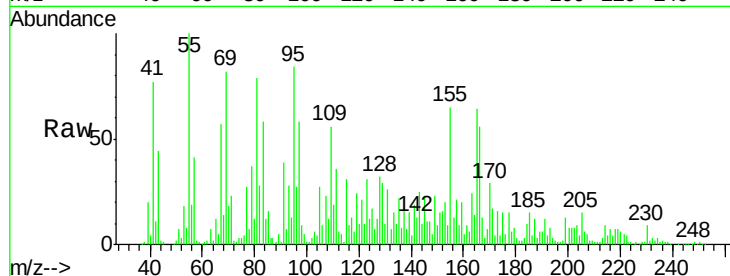
Tgt Ion:166 Resp: 175314

Ion Ratio Lower Upper

166 100

165 114.4 78.0 117.0

167 22.5 10.5 15.7#



#63

4,6-Dinitro-2-methylphenol

Concen: 1.95 ng/ul

RT: 15.56 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

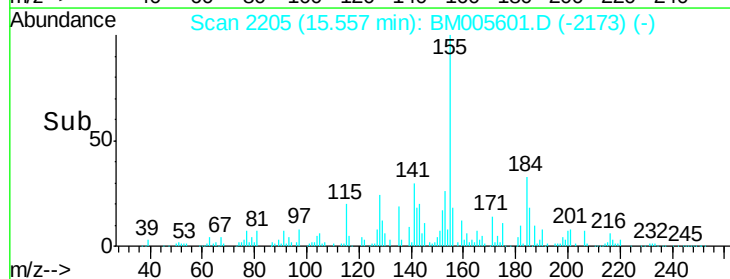
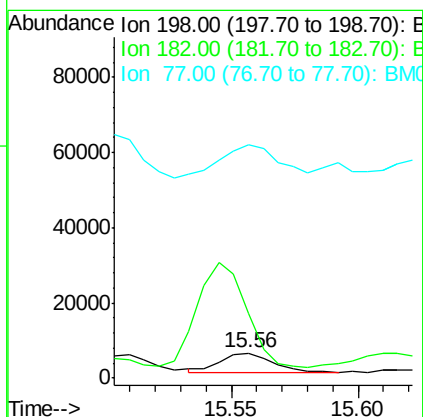
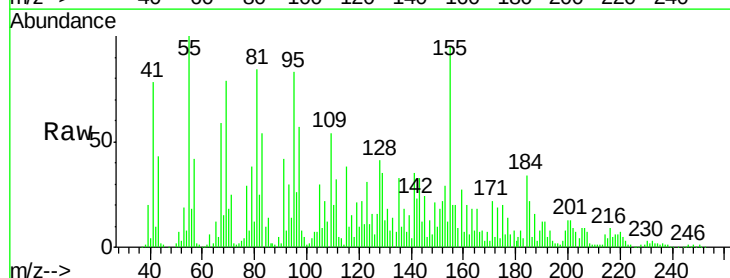
Tgt Ion:198 Resp: 7264

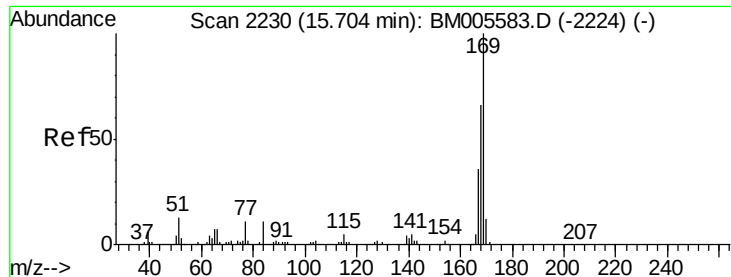
Ion Ratio Lower Upper

198 100

182 258.8 2.5 3.7#

77 938.9 21.8 32.8#





#64

N-Nitrosodiphenylamine

Concen: 17.58 ng/ul

RT: 15.73 min Scan# 2234

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

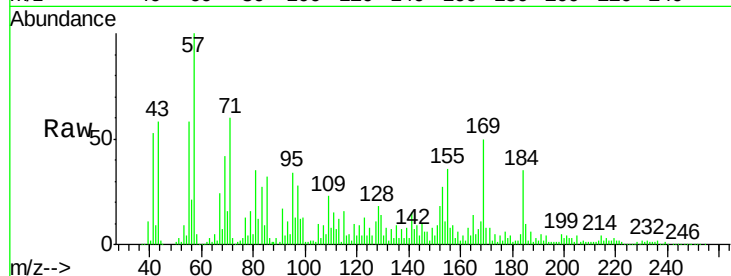
Tgt Ion:169 Resp: 329273

Ion Ratio Lower Upper

169 100

168 22.3 53.2 79.8#

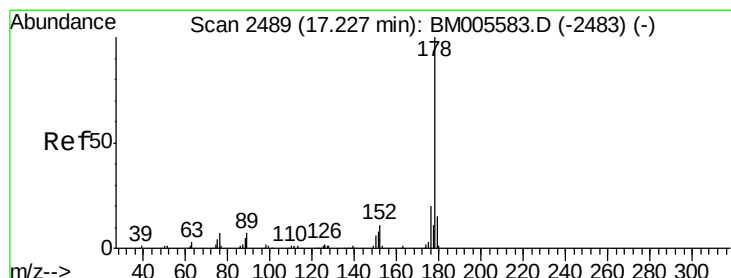
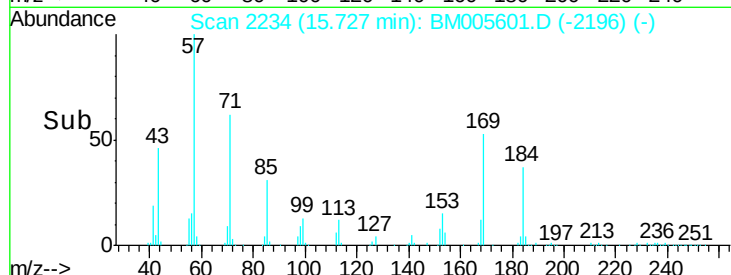
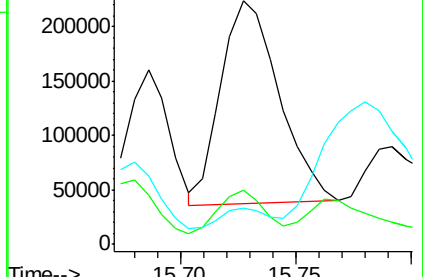
167 14.8 28.9 43.3#



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: 20.85 ng/ul

RT: 17.26 min Scan# 2494

Delta R.T. 0.03 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

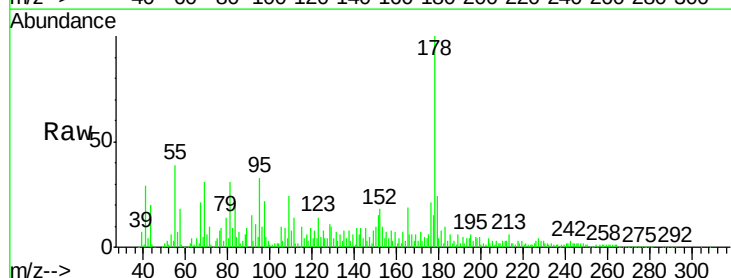
Tgt Ion:178 Resp: 719387

Ion Ratio Lower Upper

178 100

179 23.8 12.2 18.2#

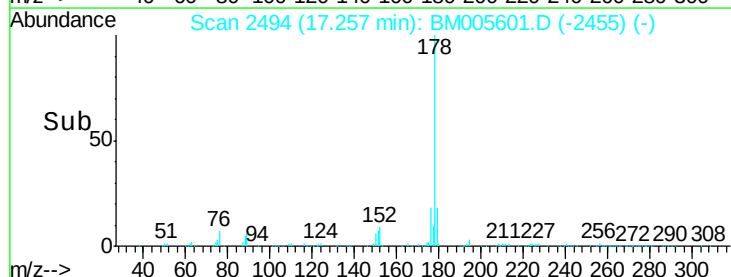
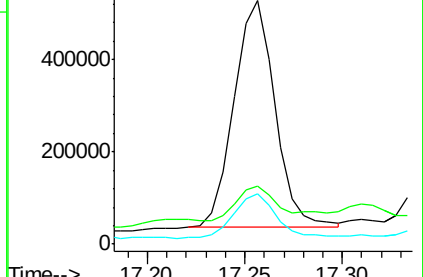
176 20.5 15.8 23.6

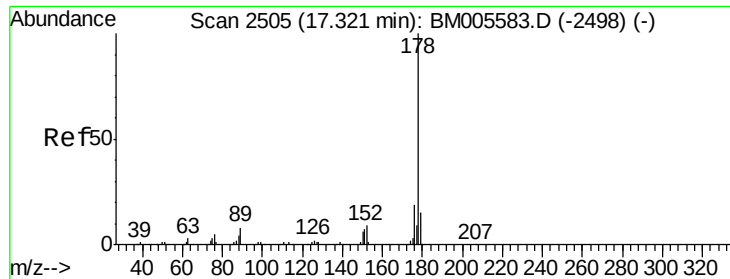


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

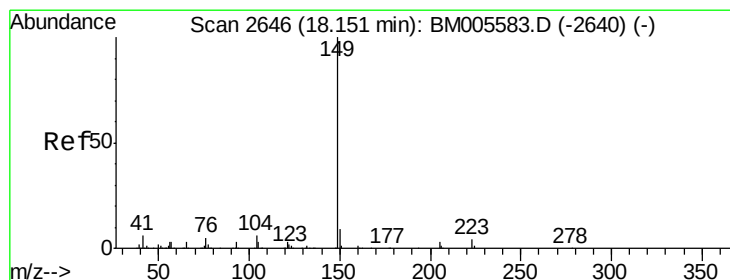
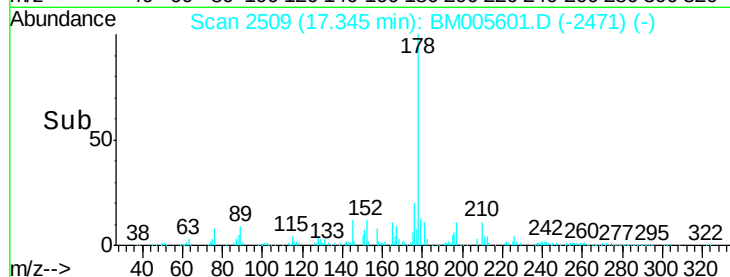
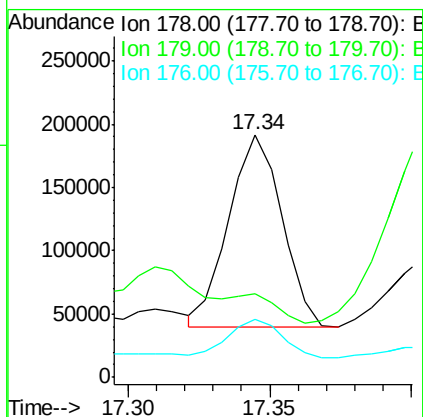
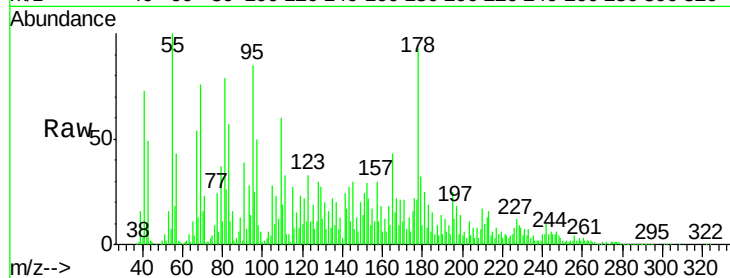




#71
 Anthracene
 Concen: 5.68 ng/ul
 RT: 17.34 min Scan# 2509
 Delta R.T. 0.02 min
 Lab File: BM005601.D
 Acq: 22 May 2016 23:53

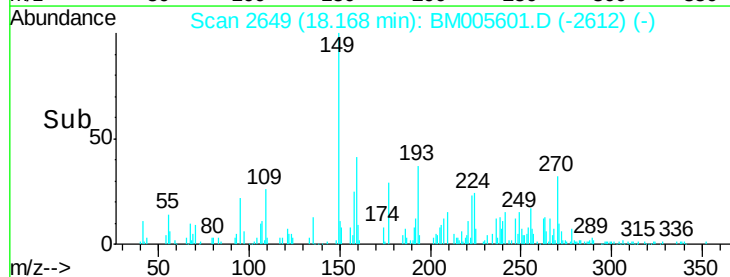
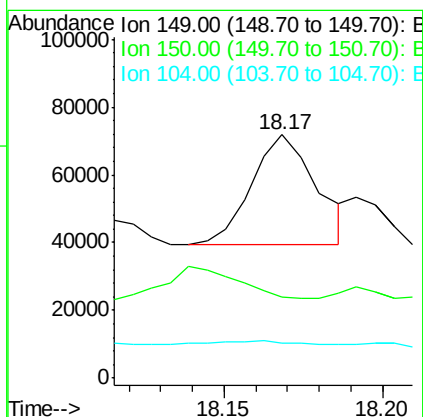
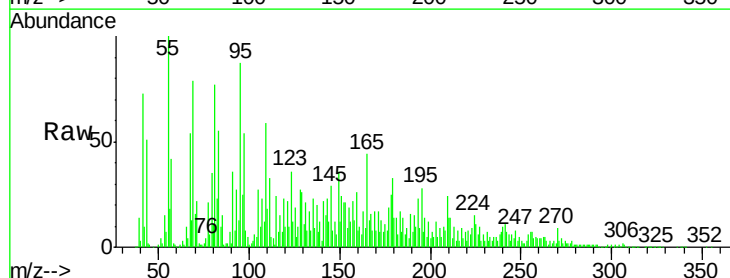
Instrument :
 BNA_M
 ClientSampleId :
 JHGF9

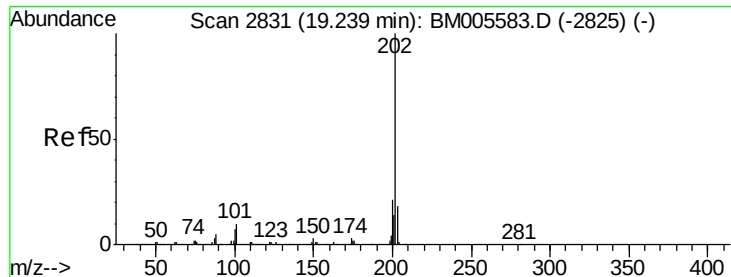
Tgt Ion:178 Resp: 199873
 Ion Ratio Lower Upper
 178 100
 179 34.6 12.6 18.8#
 176 24.0 15.0 22.4#



#73
 Di-n-butylphthalate
 Concen: 1.22 ng/ul
 RT: 18.17 min Scan# 2649
 Delta R.T. 0.02 min
 Lab File: BM005601.D
 Acq: 22 May 2016 23:53

Tgt Ion:149 Resp: 45306
 Ion Ratio Lower Upper
 149 100
 150 33.2 7.4 11.0#
 104 14.6 4.4 6.6#

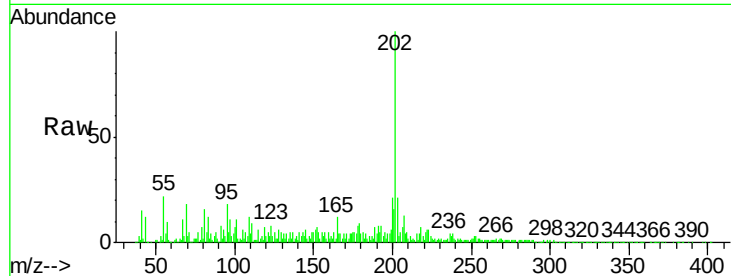




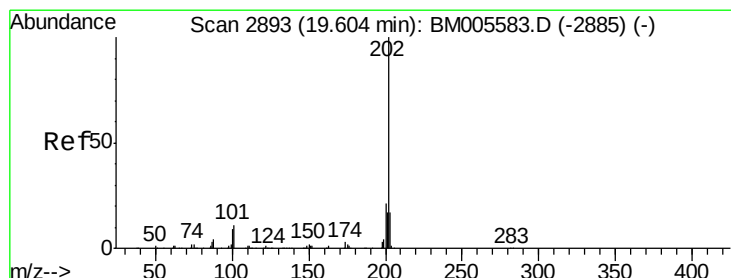
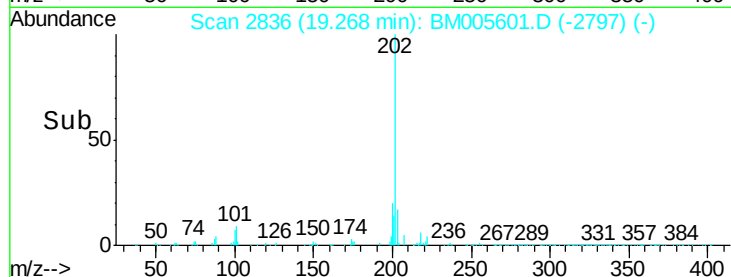
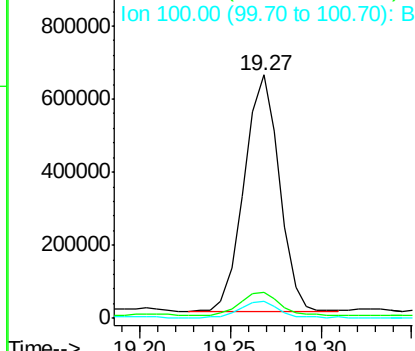
#74
Fluoranthene
Concen: 22.50 ng/ul
RT: 19.27 min Scan# 2836
Delta R.T. 0.03 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Instrument :
BNA_M
ClientSampleId :
JHGF9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.9	11.9
100	7.2	5.6	8.4

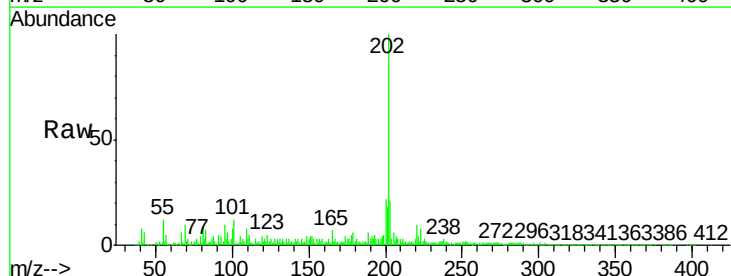


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

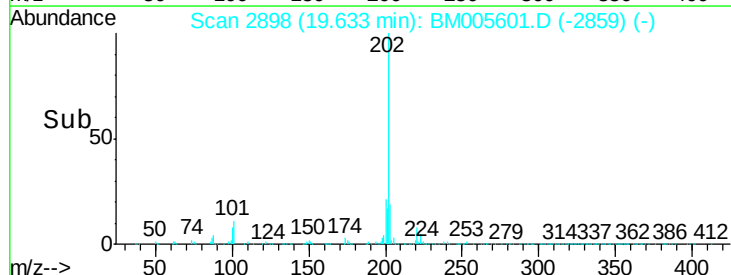
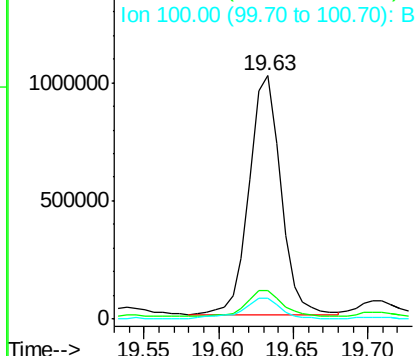


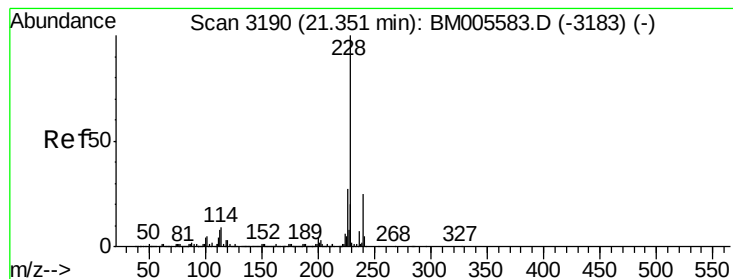
#77
Pyrene
Concen: 40.99 ng/ul
RT: 19.63 min Scan# 2898
Delta R.T. 0.03 min
Lab File: BM005601.D
Acq: 22 May 2016 23:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.6	14.4
100	8.5	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: 11.28 ng/ul

RT: 21.37 min Scan# 3193

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

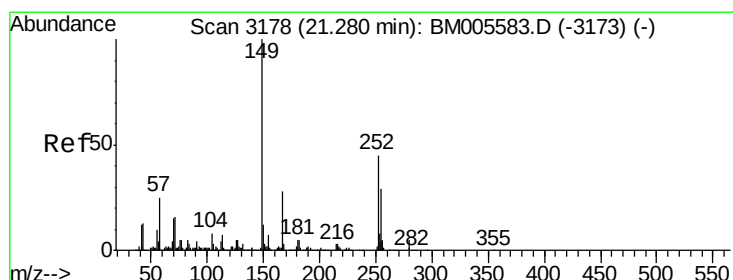
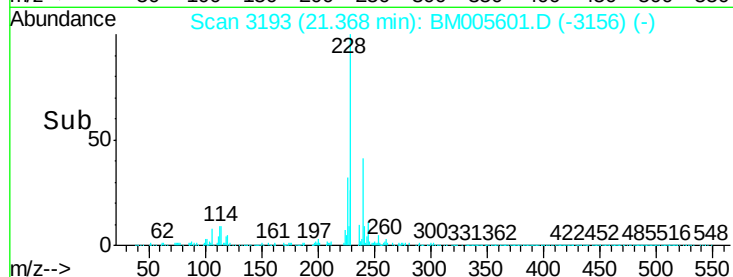
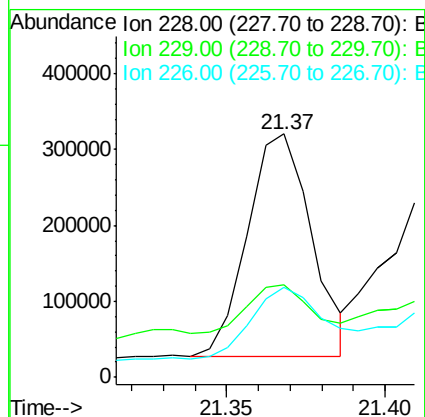
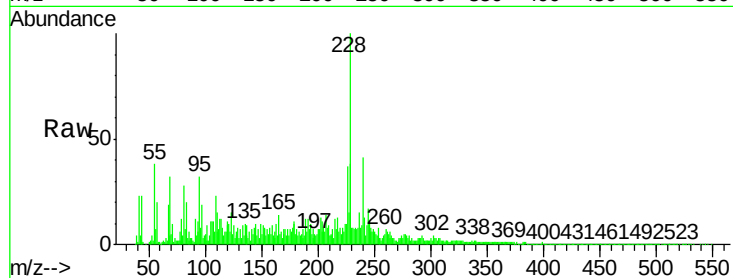
Tgt Ion:228 Resp: 414673

Ion Ratio Lower Upper

228 100

229 37.8 15.4 23.2#

226 36.9 21.0 31.4#



#81

Bis(2-ethylhexyl)phthalate

Concen: 10.59 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

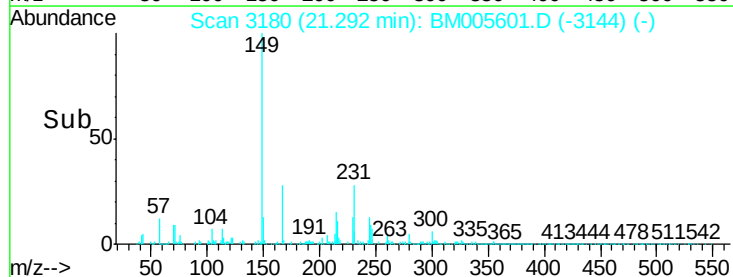
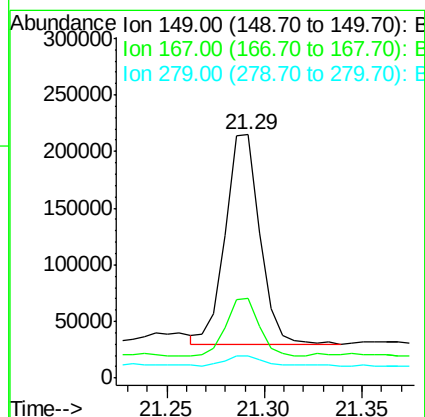
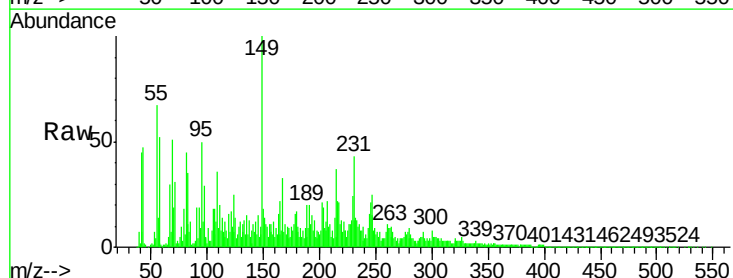
Tgt Ion:149 Resp: 226683

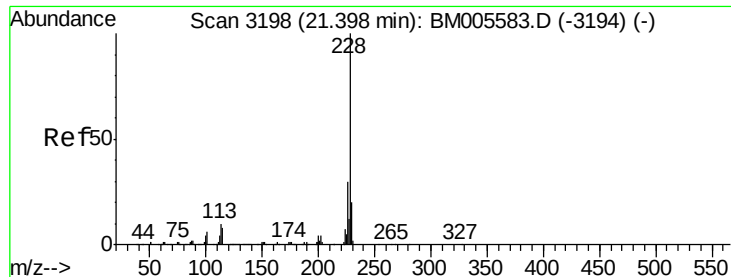
Ion Ratio Lower Upper

149 100

167 33.0 22.0 33.0

279 9.2 3.8 5.8#





#82

Chrysene

Concen: 16.77 ng/ul

RT: 21.42 min Scan# 3202

Delta R.T. 0.02 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

Instrument :

BNA_M

ClientSampleId :

JHGF9

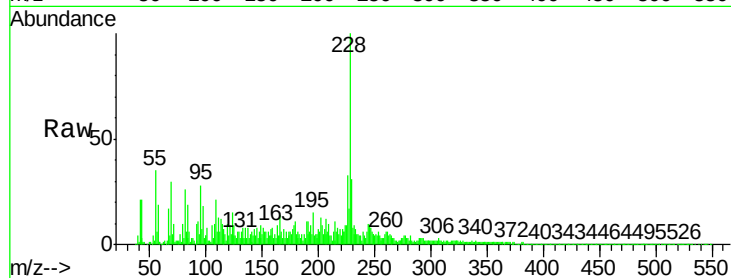
Tgt Ion:228 Resp: 586363

Ion Ratio Lower Upper

228 100

226 33.3 23.7 35.5

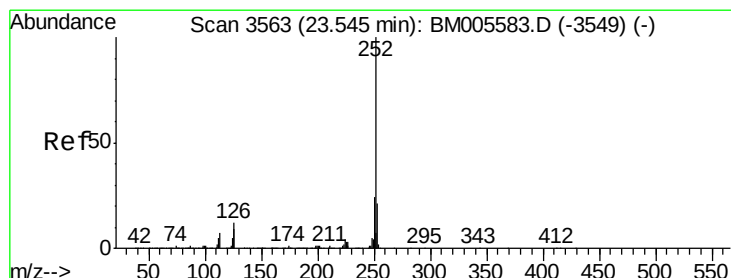
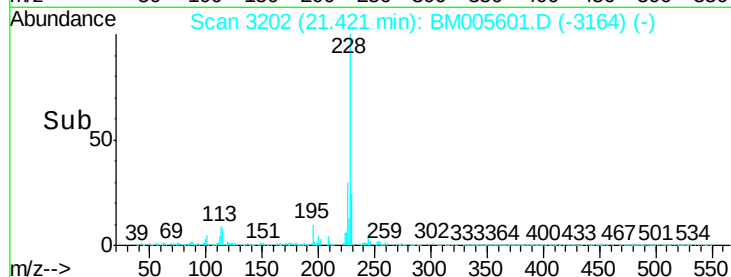
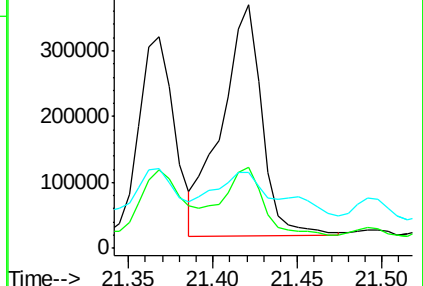
229 31.4 15.5 23.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(a)pyrene

Concen: 9.60 ng/ul

RT: 23.49 min Scan# 3553

Delta R.T. -0.06 min

Lab File: BM005601.D

Acq: 22 May 2016 23:53

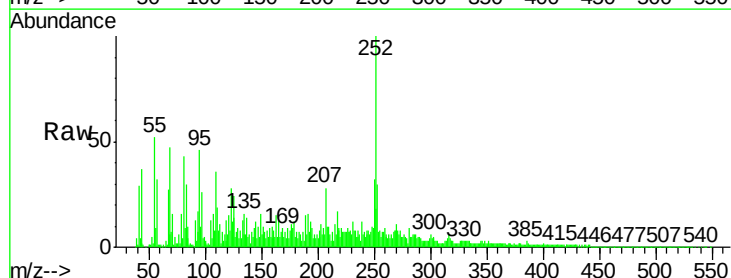
Tgt Ion:252 Resp: 405014

Ion Ratio Lower Upper

252 100

253 29.8 17.6 26.4#

125 23.8 7.6 11.4#



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

