

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012453.D
 Acq On : 25 Oct 2017 20:35
 Operator : SJ/JU
 Sample : I5719-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 06:11:28 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 05:23:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	679330	20.00	ng/ul	0.02
18) Naphthalene-d8	10.69	136	2375808	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.52	164	1442085	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	3099738	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2705159	20.00	ng/ul	0.00
83) Perylene-d12	23.74	264	2581608	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	28178	2.12	ng/uL	0.00
5) Phenol-d5	7.06	99	936757	16.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.24	67	2470414	73.33	ng/ul	0.02
9) 2-Chlorophenol-d4	7.43	132	514211	12.10	ng/ul	0.02
13) 4-Methylphenol-d8	8.60	113	2332939	48.10	ng/ul	0.01
19) Nitrobenzene-d5	9.03	128	861107	57.87	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.77	143	265714	17.33	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.32	165	526427	12.96	ng/ul	0.02
29) 4-Chloroaniline-d4	10.81	131	5063345	118.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	1686013	13.38	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	2084318	13.99	ng/ul	0.01
51) 4-Nitrophenol-d4	14.72	143	243612	13.01	ng/ul	0.00
57) Fluorene-d10	15.51	176	1422328	13.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	153968	10.26	ng/ul	0.00
70) Anthracene-d10	17.35	188	2030469	13.75	ng/ul	0.00
76) Pyrene-d10	19.64	212	2132881	17.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1658865	13.53	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.06	77	923962	29.94	ng/ul#	12
6) Phenol	7.08	94	238787	4.04	ng/ul#	1
14) Acetophenone	8.72	105	184114	2.42	ng/ul#	49
15) N-Nitroso-di-n-propylamine	8.69	70	396010	9.52	ng/ul#	54
17) Hexachloroethane	9.02	117	9292334	504.12	ng/ul#	1
20) Nitrobenzene	9.11	77	1794323	41.86	ng/ul#	41
21) Isophorone	9.64	82	2913078	32.11	ng/ul#	1
23) 2-Nitrophenol	9.83	139	201720	11.84	ng/ul#	1
24) 2,4-Dimethylphenol	9.92	107	1079496	22.53	ng/ul#	77
25) Bis(2-Chloroethoxy)methane	10.12	93	483708	9.49	ng/ul#	33
27) 2,4-Dichlorophenol	10.36	162	163429	4.13	ng/ul#	39
28) Naphthalene	10.75	128	1631456	13.85	ng/ul#	59
30) 4-Chloroaniline	10.87	127	146037	3.39	ng/ul#	1
32) Caprolactam	11.62	113	51033	3.98	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.98	107	65294	1.47	ng/ul#	29
34) 2-Methylnaphthalene	12.35	142	629772	6.58	ng/ul	100
42) 2-Nitroaniline	13.56	65	50404	2.40	ng/ul#	47
44) Dimethylphthalate	13.97	163	998822	8.02	ng/ul#	96
45) 2,6-Dinitrotoluene	14.07	165	26924	1.36	ng/ul#	1
48) 3-Nitroaniline	14.43	138	34312	1.85	ng/ul#	34
49) Acenaphthene	14.59	153	99802	1.02	ng/ul#	76
54) 2,4-Dinitrotoluene	14.87	165	89366	3.01	ng/ul#	32
58) Fluorene	15.56	166	151151	1.24	ng/ul#	66

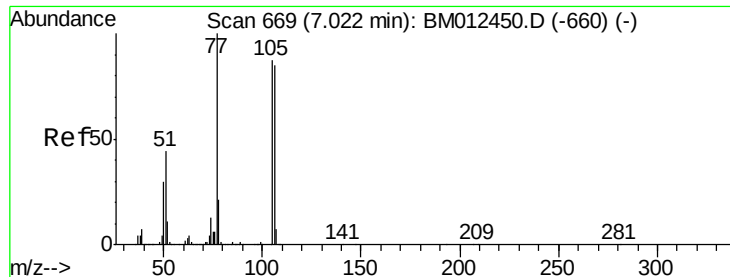
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012453.D
Acq On : 25 Oct 2017 20:35
Operator : SJ/JU
Sample : I5719-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 26 06:11:28 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 05:23:19 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) N-Nitrosodiphenylamine	15.78	169	355250	3.94	ng/ul#	41

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



#4

Benzaldehyde

Concen: 29.94 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. 0.04 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Instrument :

BNA_M

ClientSampleId :

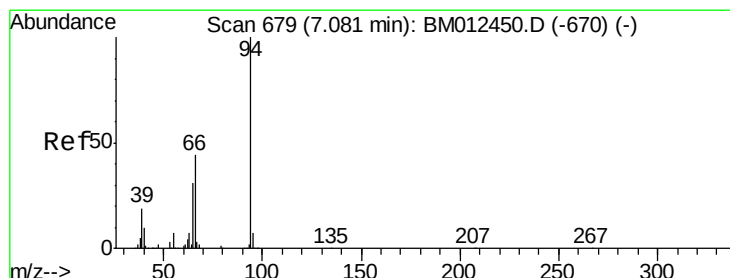
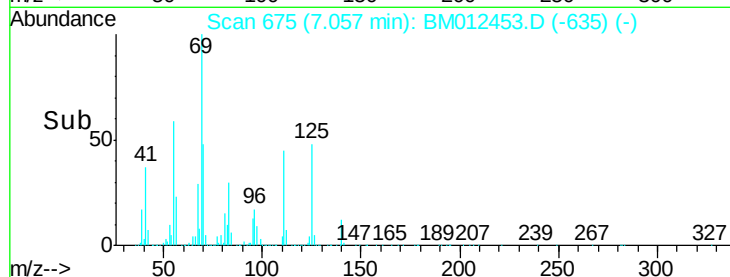
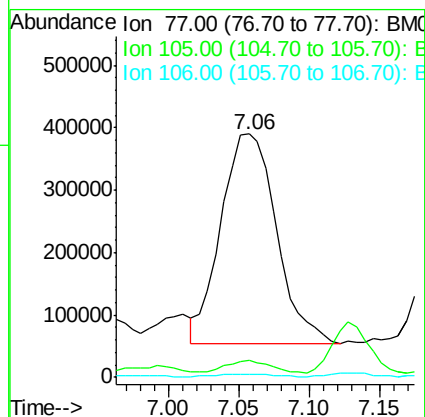
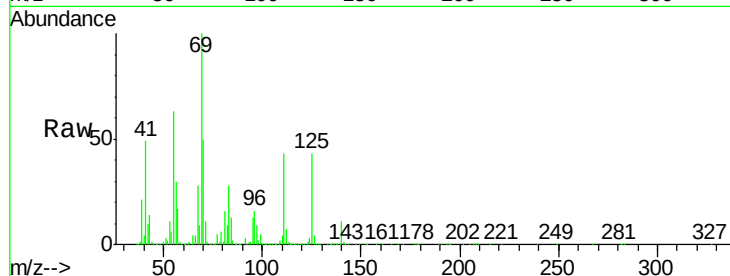
Tot Ion: 77 Resp: 923962

Ion Ratio Lower Upper

77 100

105 7.1 66.1 99.1#

106 1.2 67.8 101.6#



#6

Phenol

Concen: 4.04 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

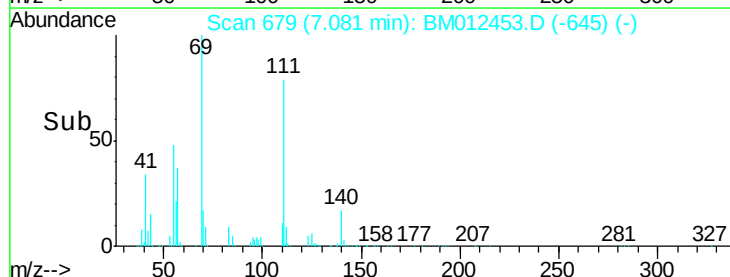
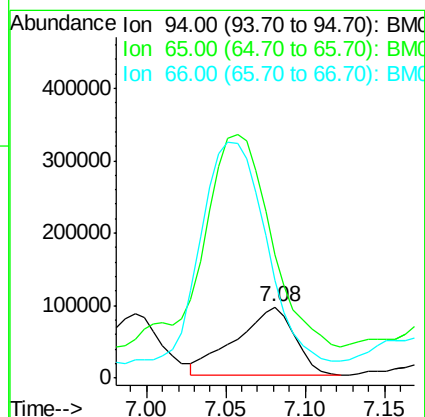
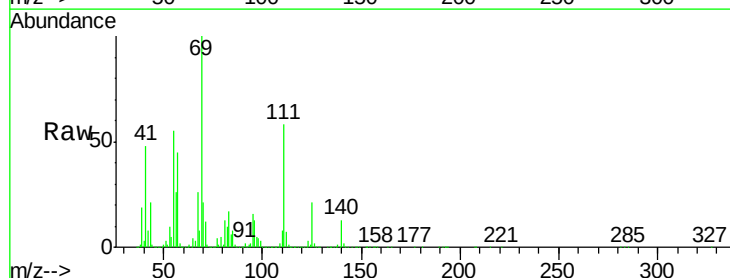
Tgt Ion: 94 Resp: 238787

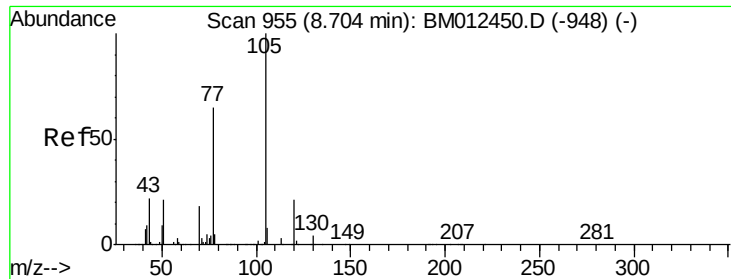
Ion Ratio Lower Upper

94 100

65 173.4 28.2 42.4#

66 137.4 47.2 70.8#





#14

Acetophenone

Concen: 2.42 ng/ul

RT: 8.72 min Scan# 957

Delta R.T. 0.01 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Instrument :

BNA_M

ClientSampleId :

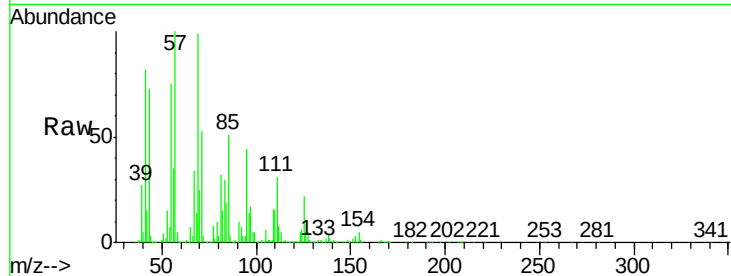
Tot Ion:105 Resp: 184114

Ion Ratio Lower Upper

105 100

77 137.3 74.2 111.4#

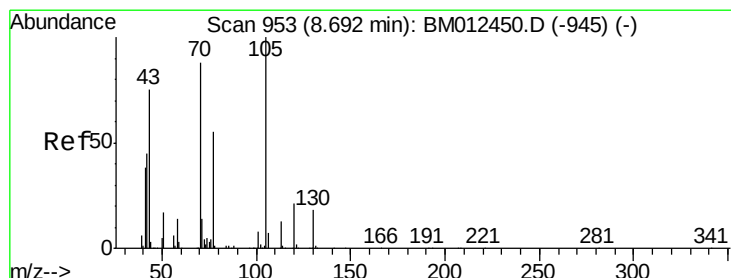
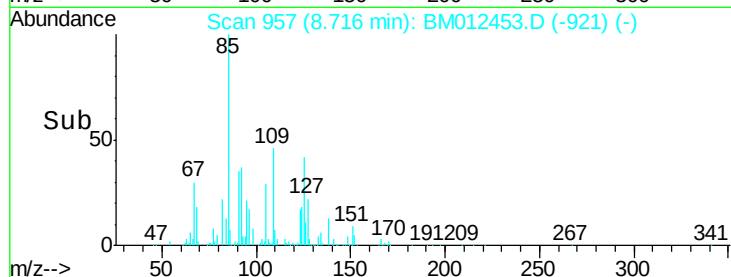
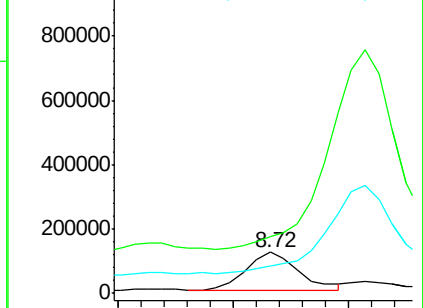
51 65.5 23.4 35.2#



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



#15

N-Nitroso-di-n-propylamine

Concen: 9.52 ng/ul

RT: 8.69 min Scan# 953

Delta R.T. 0.00 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Tgt Ion: 70 Resp: 396010

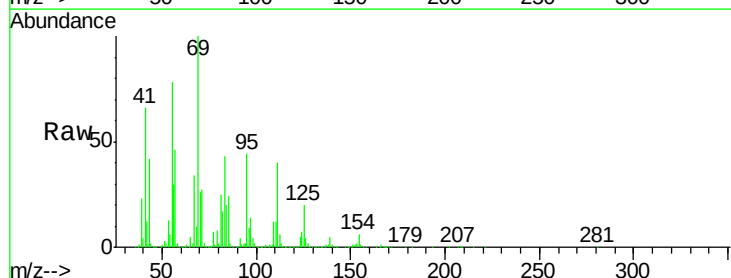
Ion Ratio Lower Upper

70 100

42 47.1 76.0 114.0#

101 0.2 6.7 10.1#

130 0.0 14.6 22.0#

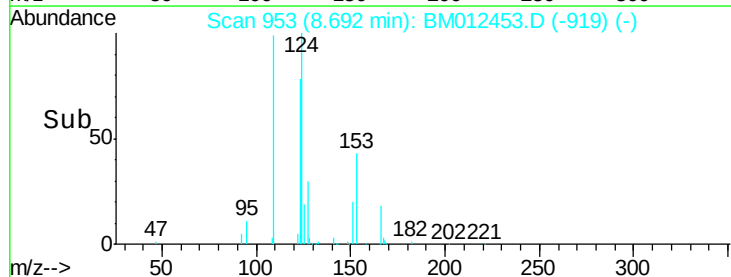
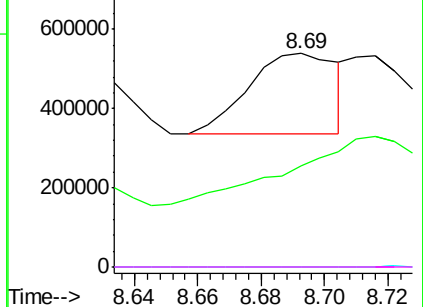


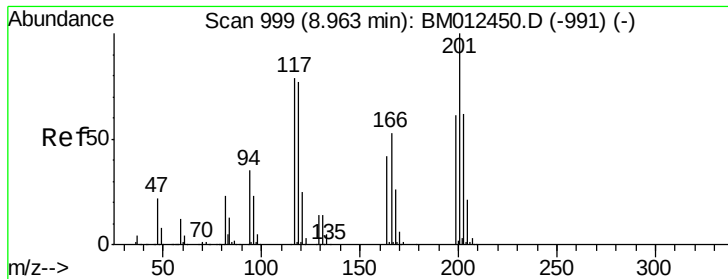
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

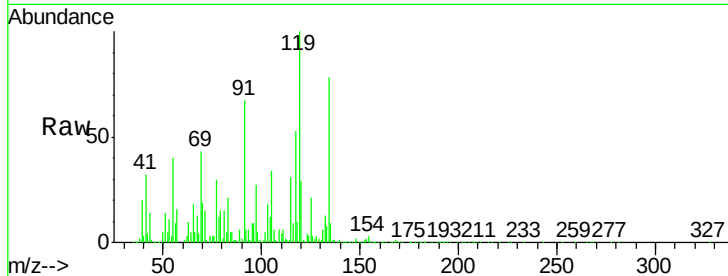




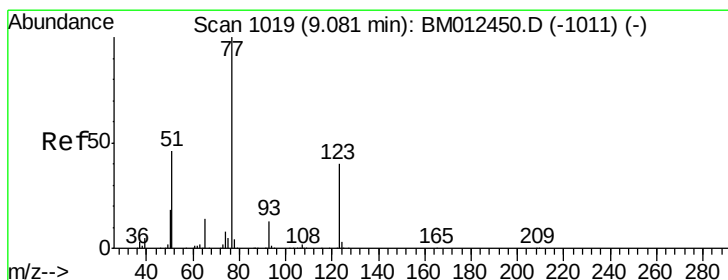
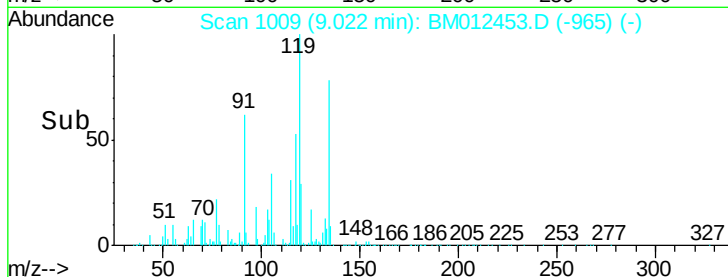
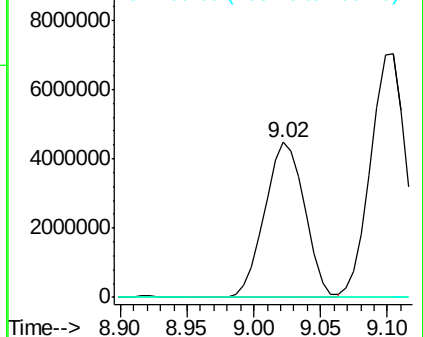
#17
Hexachloroethane
Concen: 504.12 ng/ul
RT: 9.02 min Scan# 1009
Delta R.T. 0.06 min
Lab File: BM012453.D
Acq: 25 Oct 2017 20:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion:117 Resp: 9292334
Ion Ratio Lower Upper
117 100
201 0.0 111.6 167.4#
199 0.0 67.8 101.6#

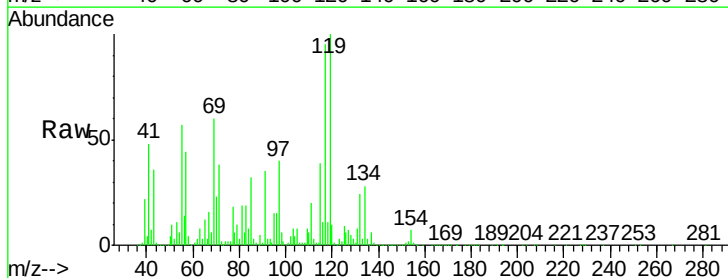


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

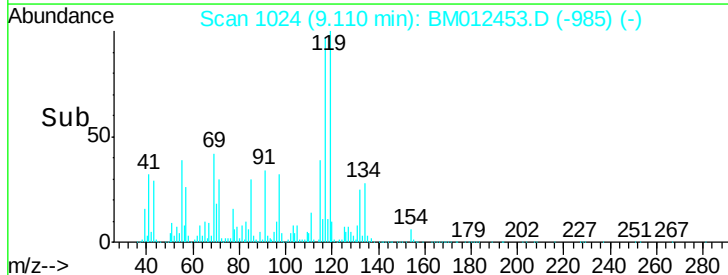
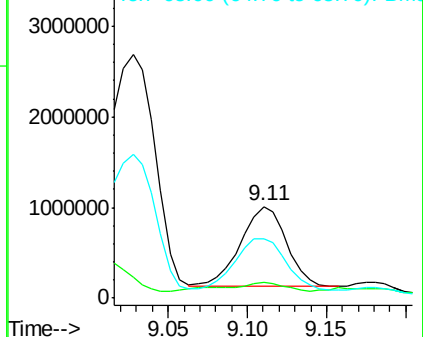


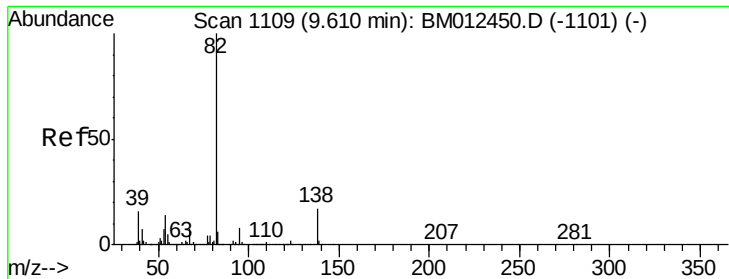
#20
Nitrobenzene
Concen: 41.86 ng/ul
RT: 9.11 min Scan# 1024
Delta R.T. 0.03 min
Lab File: BM012453.D
Acq: 25 Oct 2017 20:35

Tgt Ion: 77 Resp: 1794323
Ion Ratio Lower Upper
77 100
123 17.3 31.0 46.6#
65 65.3 12.2 18.2#



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 32.11 ng/ul

RT: 9.64 min Scan# 1114

Delta R.T. 0.03 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Instrument :

BNA_M

ClientSampleId :

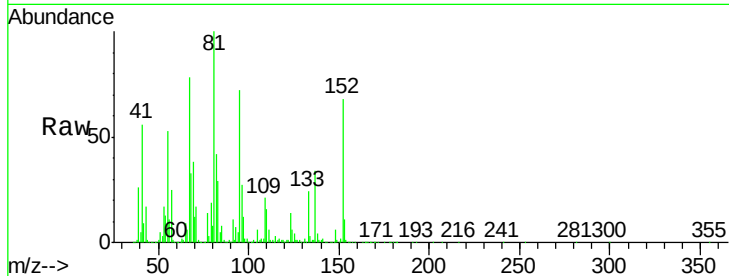
Tot Ion: 82 Resp: 2913078

Ion Ratio Lower Upper

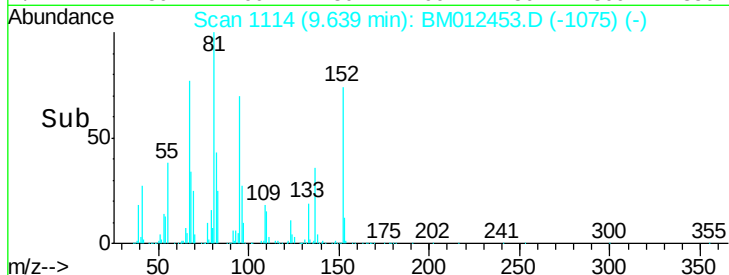
82 100

95 171.6 7.8 11.8#

138 10.1 11.9 17.9#



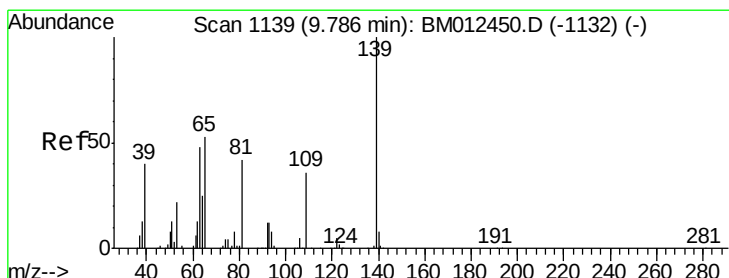
Abundance Ion 82.00 (81.70 to 82.70): BM012453.D (-1075) (-)



Ion 95.00 (94.70 to 95.70): BM012453.D (-1075) (-)

Ion 138.00 (137.70 to 138.70): BM012453.D (-1075) (-)

Time-->



#23

2-Nitrophenol

Concen: 11.84 ng/ul

RT: 9.83 min Scan# 1147

Delta R.T. 0.05 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

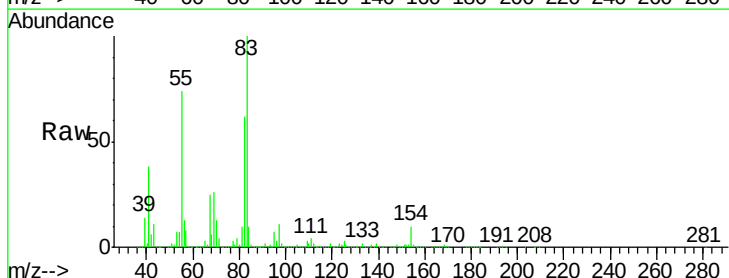
Tgt Ion: 139 Resp: 201720

Ion Ratio Lower Upper

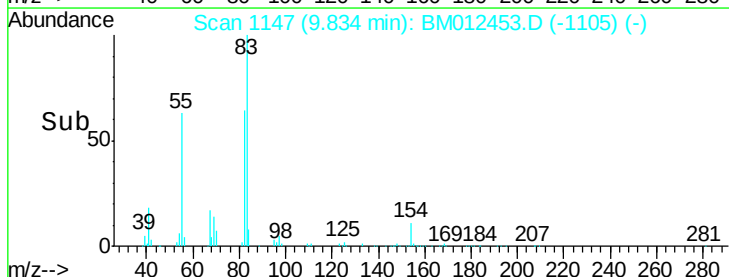
139 100

65 132.0 55.4 83.0#

109 153.8 42.2 63.2#



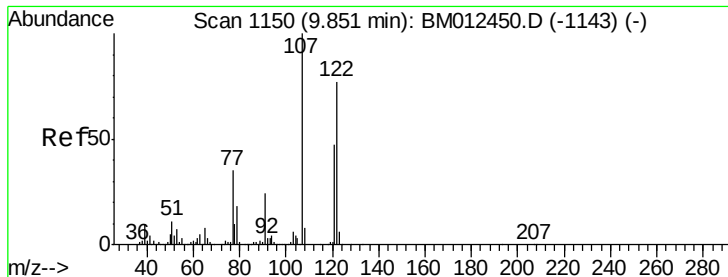
Abundance Ion 139.00 (138.70 to 139.70): BM012453.D (-1105) (-)



Ion 65.00 (64.70 to 65.70): BM012453.D (-1105) (-)

Ion 109.00 (108.70 to 109.70): BM012453.D (-1105) (-)

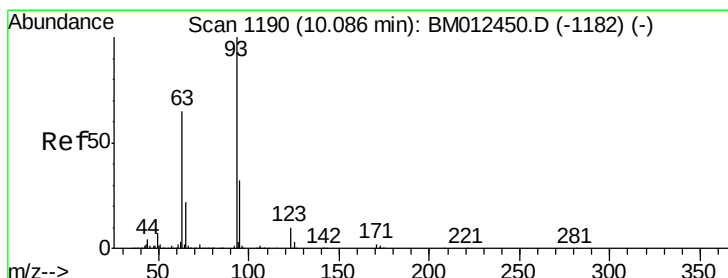
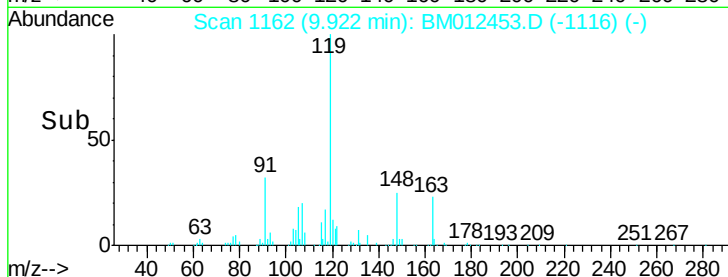
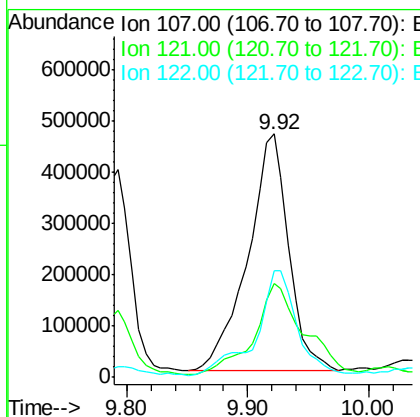
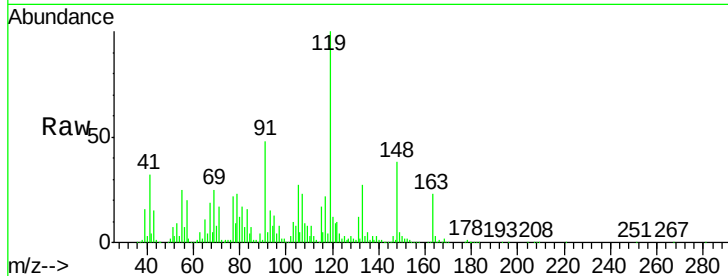
Time-->



#24
 2,4-Dimethylphenol
 Concen: 22.53 ng/ul
 RT: 9.92 min Scan# 1162
 Delta R.T. 0.07 min
 Lab File: BM012453.D
 Acq: 25 Oct 2017 20:35

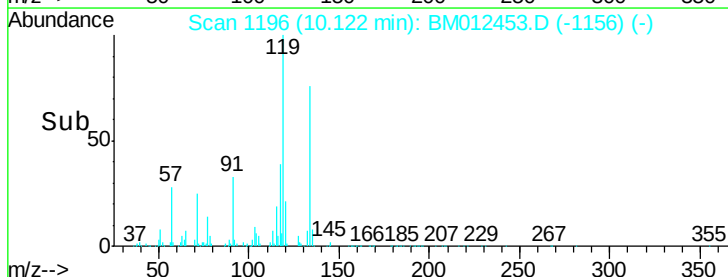
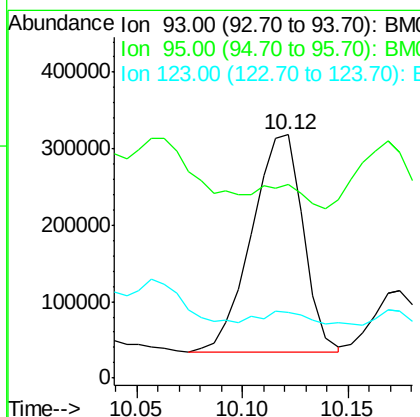
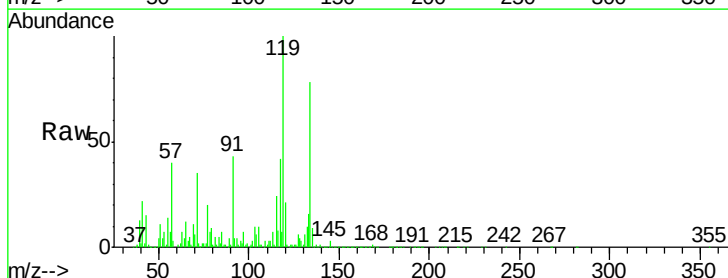
Instrument :
 BNA_M
 ClientSampleId :

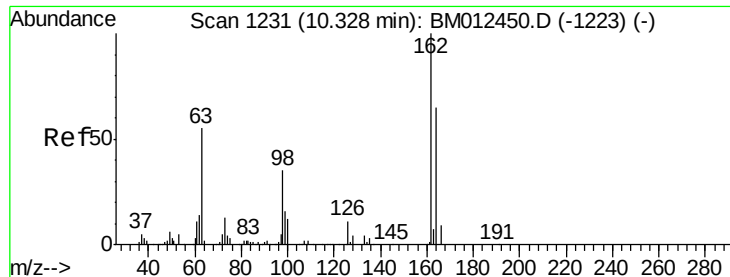
Tot Ion:107 Resp: 1079496
 Ion Ratio Lower Upper
 107 100
 121 38.6 31.9 47.9
 122 43.6 57.8 86.6#



#25
 Bis(2-Chloroethoxy)methane
 Concen: 9.49 ng/ul
 RT: 10.12 min Scan# 1196
 Delta R.T. 0.04 min
 Lab File: BM012453.D
 Acq: 25 Oct 2017 20:35

Tgt Ion: 93 Resp: 483708
 Ion Ratio Lower Upper
 93 100
 95 79.5 28.5 42.7#
 123 26.8 8.9 13.3#





#27

2,4-Dichlorophenol

Concen: 4.13 ng/ul

RT: 10.36 min Scan# 1236

Delta R.T. 0.03 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Instrument :

BNA_M

ClientSampleId :

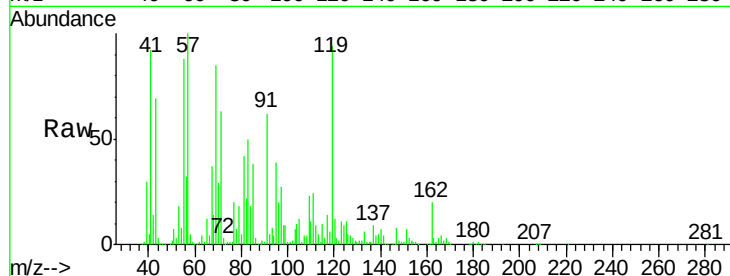
Tot Ion:162 Resp: 163429

Ion Ratio Lower Upper

162 100

164 3.3 47.8 71.6#

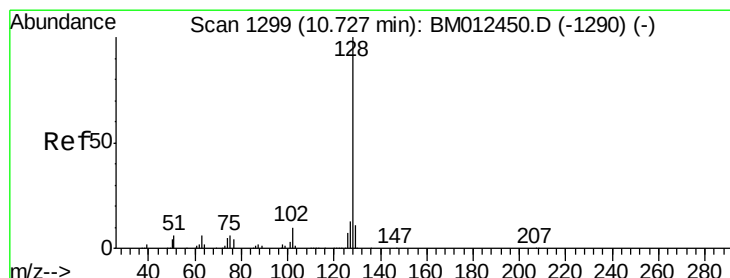
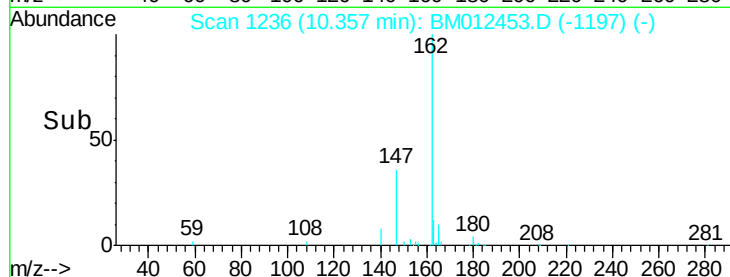
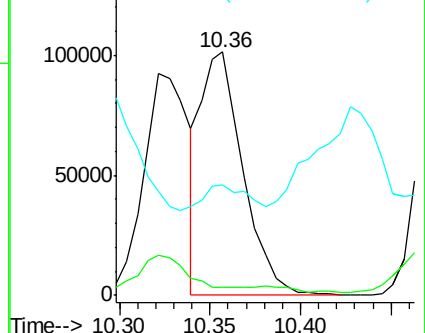
98 45.5 23.0 34.4#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#28

Naphthalene

Concen: 13.85 ng/ul

RT: 10.75 min Scan# 1302

Delta R.T. 0.02 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

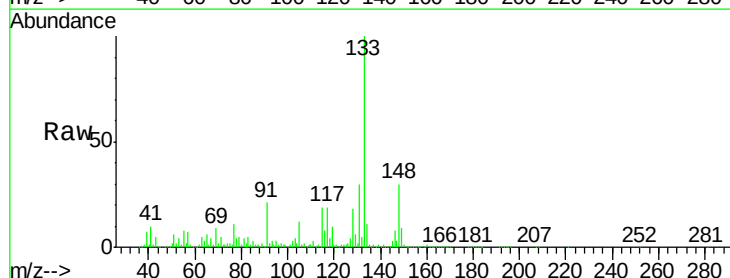
Tgt Ion:128 Resp: 1631456

Ion Ratio Lower Upper

128 100

129 35.2 8.8 13.2#

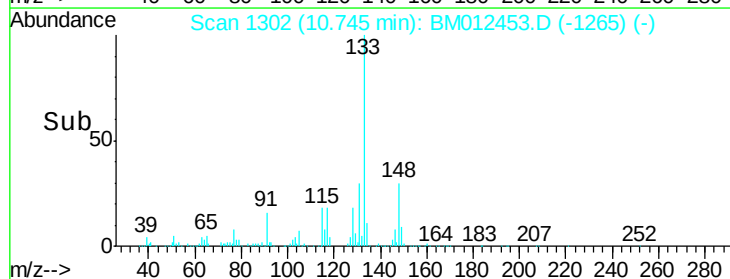
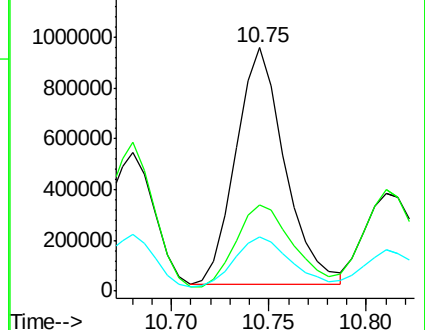
127 22.4 10.6 16.0#

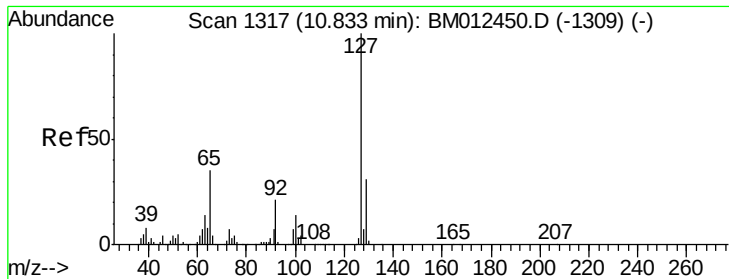


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

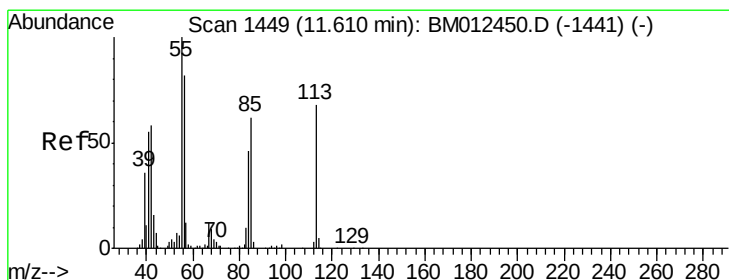
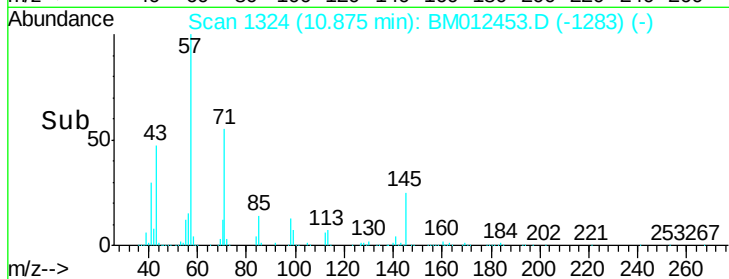
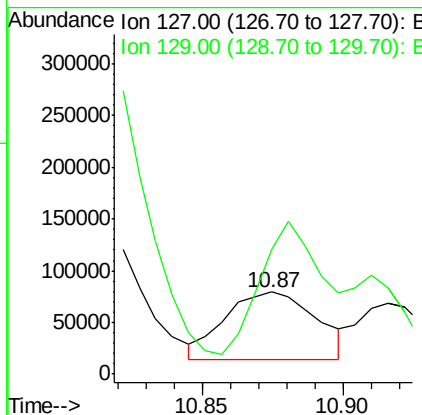
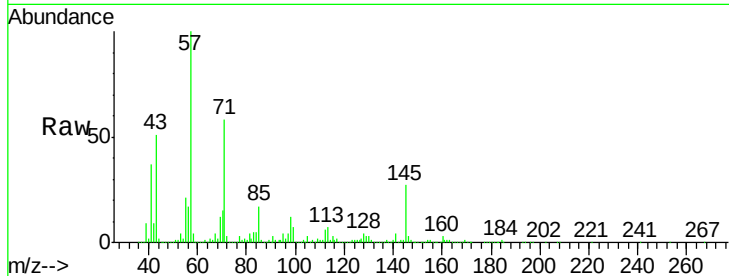




#30
4-Chloroaniline
Concen: 3.39 ng/ul
RT: 10.87 min Scan# 1324
Delta R.T. 0.04 min
Lab File: BM012453.D
Acq: 25 Oct 2017 20:35

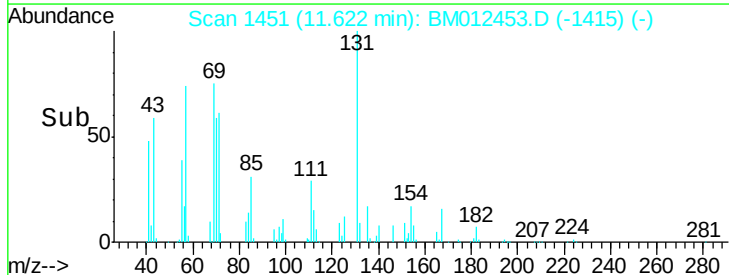
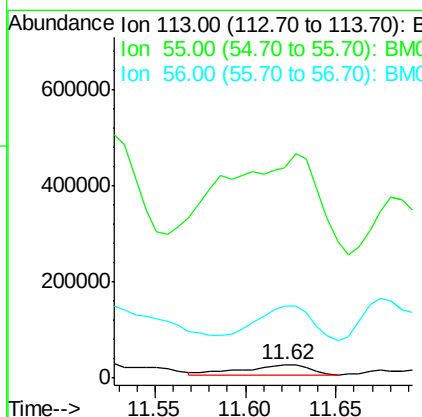
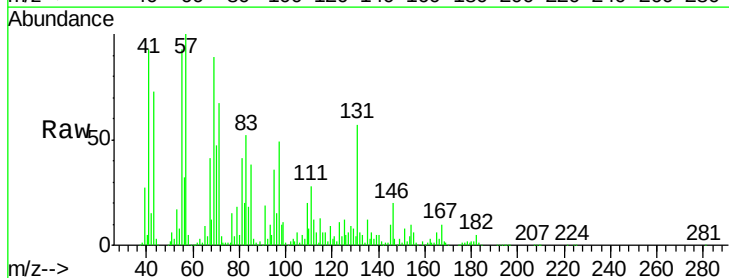
Instrument :
BNA_M
ClientSampleId :

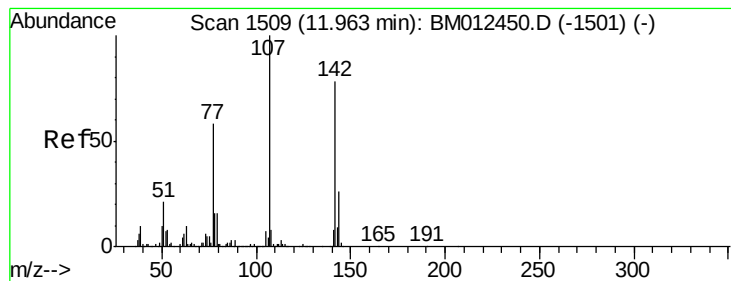
Tot Ion:127 Resp: 146037
Ion Ratio Lower Upper
127 100
129 152.0 28.4 42.6#



#32
Caprolactam
Concen: 3.98 ng/ul
RT: 11.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BM012453.D
Acq: 25 Oct 2017 20:35

Tgt Ion:113 Resp: 51033
Ion Ratio Lower Upper
113 100
55 1566.4 208.0 312.0#
56 536.6 160.0 240.0#





#33

4-Chloro-3-methylphenol

Concen: 1.47 ng/ul

RT: 11.98 min Scan# 1512

Delta R.T. 0.02 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Instrument :

BNA_M

ClientSampleId :

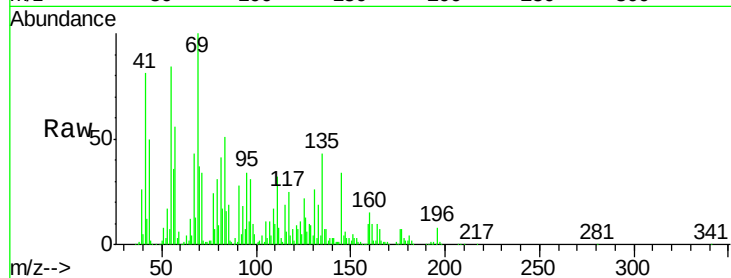
Tot Ion:107 Resp: 65294

Ion Ratio Lower Upper

107 100

144 6.8 20.4 30.6#

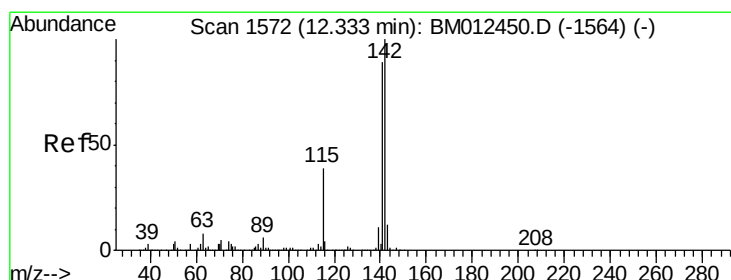
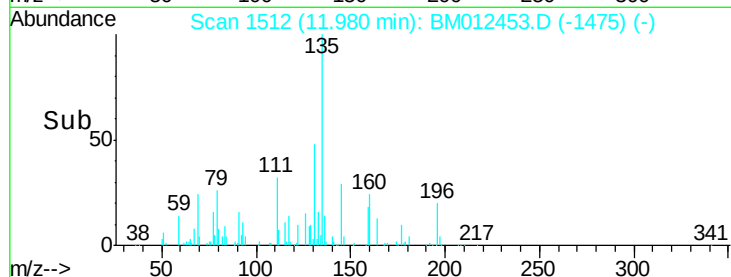
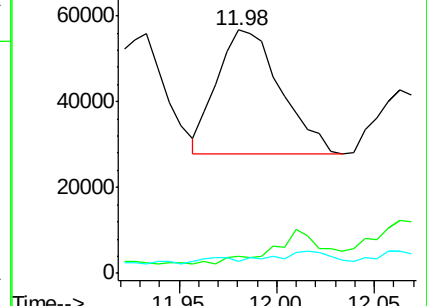
142 5.1 60.5 90.7#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#34

2-Methylnaphthalene

Concen: 6.58 ng/ul

RT: 12.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BM012453.D

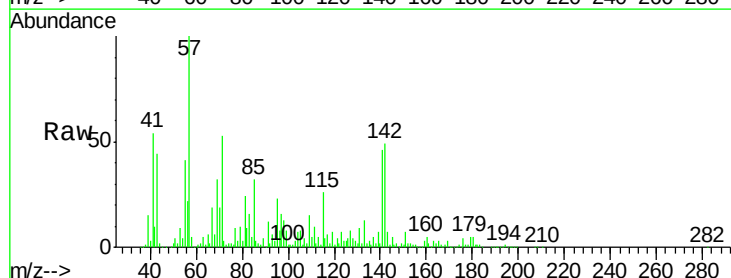
Acq: 25 Oct 2017 20:35

Tgt Ion:142 Resp: 629772

Ion Ratio Lower Upper

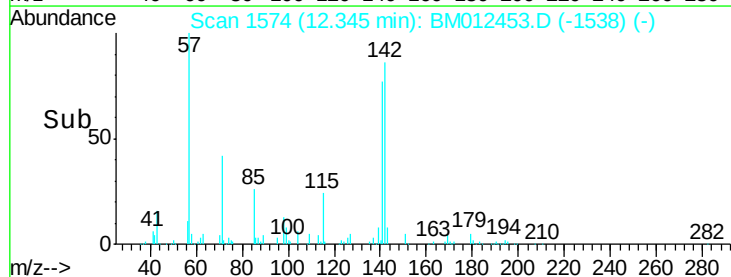
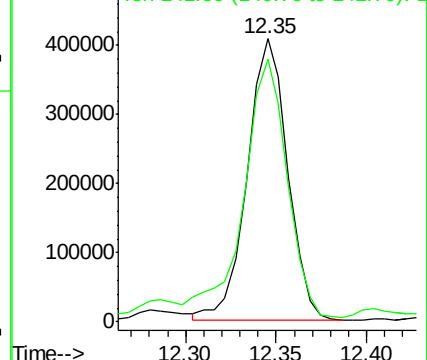
142 100

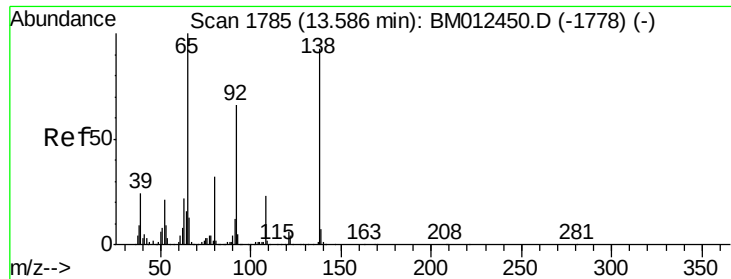
141 92.9 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

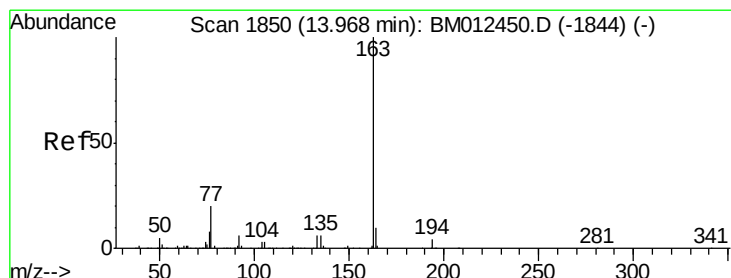
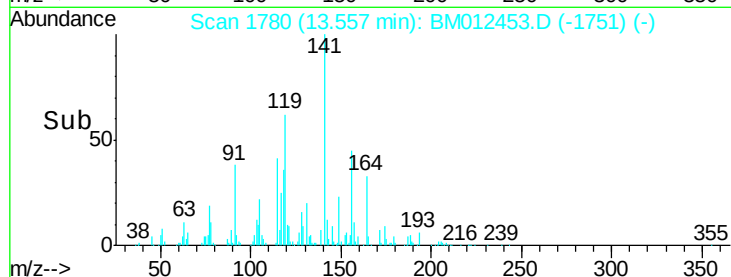
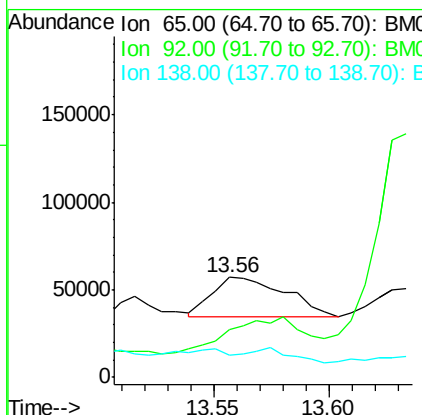
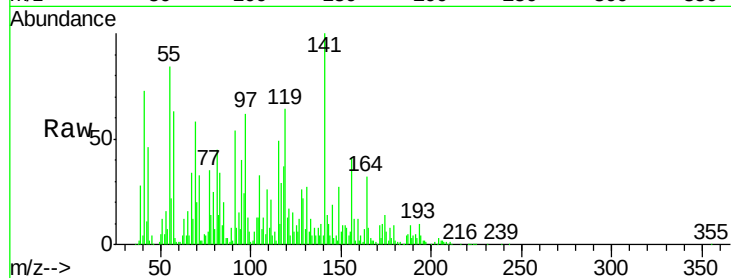




#42
2-Nitroaniline
Concen: 2.40 ng/ul
RT: 13.56 min Scan# 1780
Delta R.T. -0.03 min
Lab File: BM012453.D
Acq: 25 Oct 2017 20:35

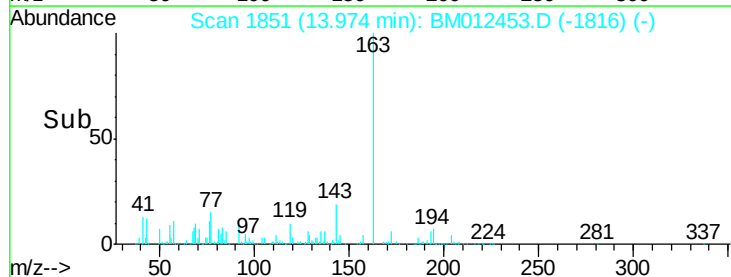
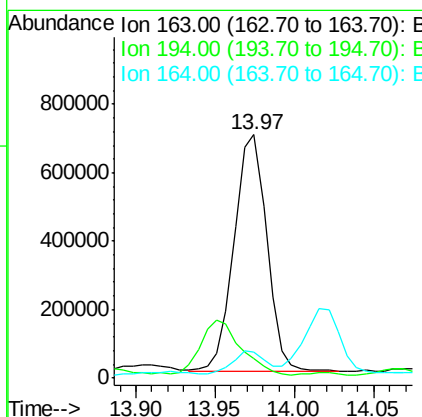
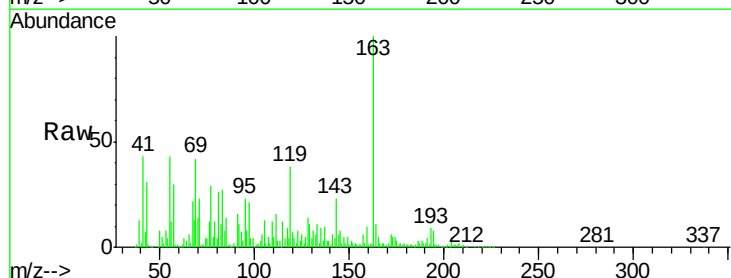
Instrument :
BNA_M
ClientSampleId :

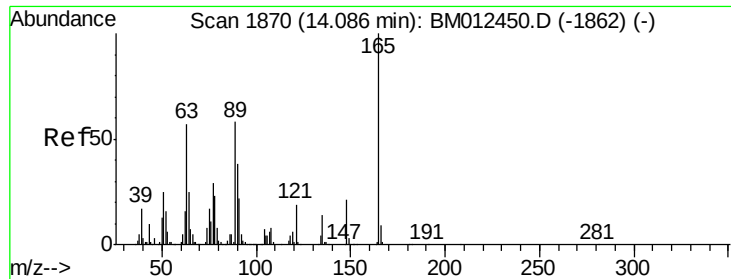
Tot Ion: 65 Resp: 50404
Ion Ratio Lower Upper
65 100
92 47.4 51.8 77.6#
138 22.0 74.2 111.4#



#44
Dimethylphthalate
Concen: 8.02 ng/ul
RT: 13.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BM012453.D
Acq: 25 Oct 2017 20:35

Tgt Ion: 163 Resp: 998822
Ion Ratio Lower Upper
163 100
194 8.1 3.5 5.3#
164 10.8 8.2 12.4

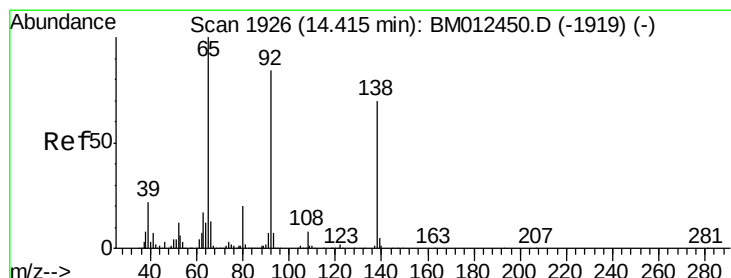
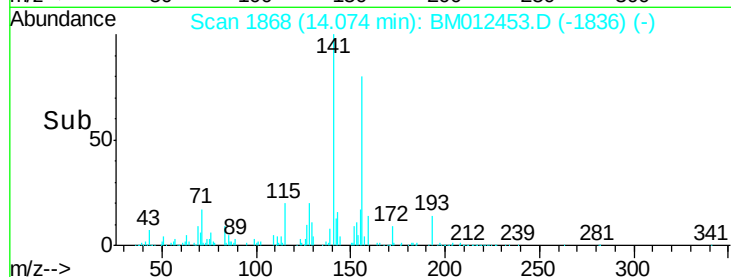
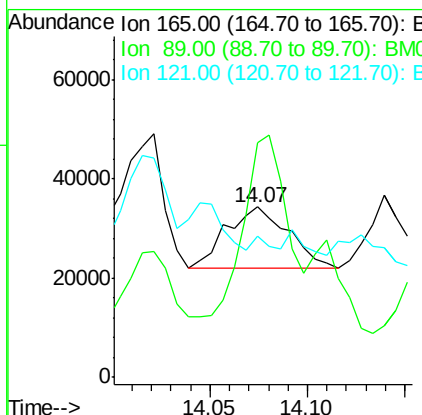
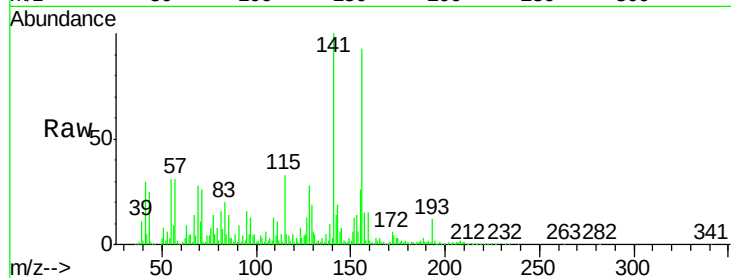




#45
 2,6-Dinitrotoluene
 Concen: 1.36 ng/ul
 RT: 14.07 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: BM012453.D
 Acq: 25 Oct 2017 20:35

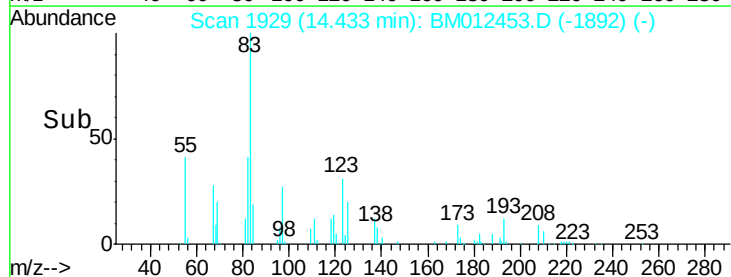
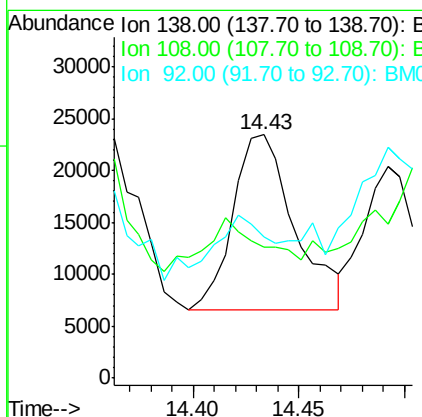
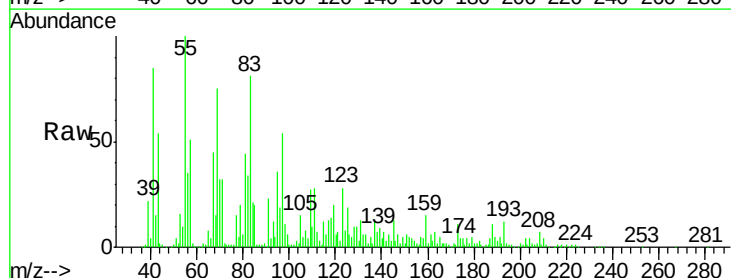
Instrument :
 BNA_M
 ClientSampleId :

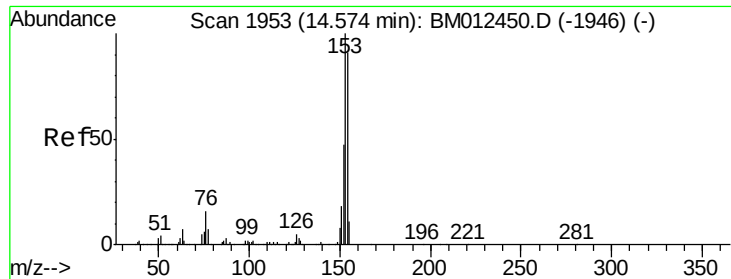
Tot Ion:165 Resp: 26924
 Ion Ratio Lower Upper
 165 100
 89 137.9 52.6 79.0#
 121 83.2 14.6 22.0#



#48
 3-Nitroaniline
 Concen: 1.85 ng/ul
 RT: 14.43 min Scan# 1929
 Delta R.T. 0.02 min
 Lab File: BM012453.D
 Acq: 25 Oct 2017 20:35

Tgt Ion:138 Resp: 34312
 Ion Ratio Lower Upper
 138 100
 108 53.8 9.9 14.9#
 92 58.1 105.0 157.4#





#49

Acenaphthene

Concen: 1.02 ng/ul

RT: 14.59 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

Instrument :

BNA_M

ClientSampleId :

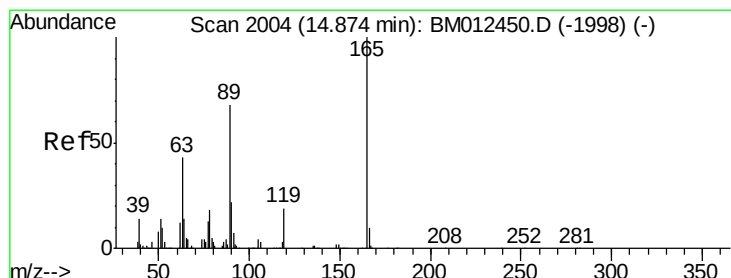
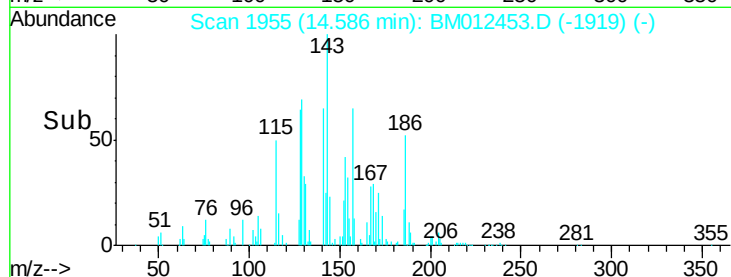
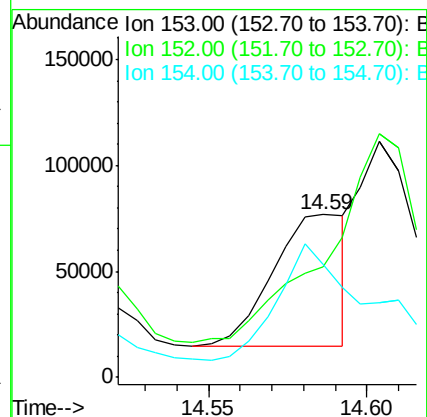
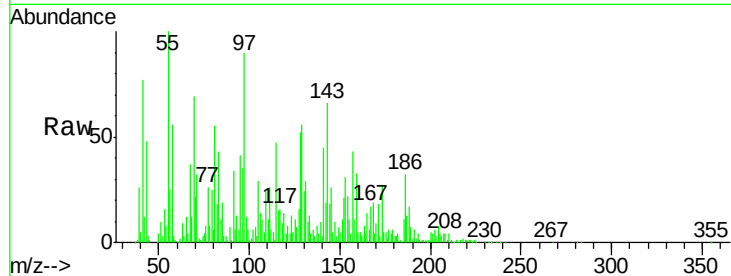
Tot Ion:153 Resp: 99802

Ion Ratio Lower Upper

153 100

152 67.6 37.6 56.4#

154 69.5 70.4 105.6#



#54

2,4-Dinitrotoluene

Concen: 3.01 ng/ul

RT: 14.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM012453.D

Acq: 25 Oct 2017 20:35

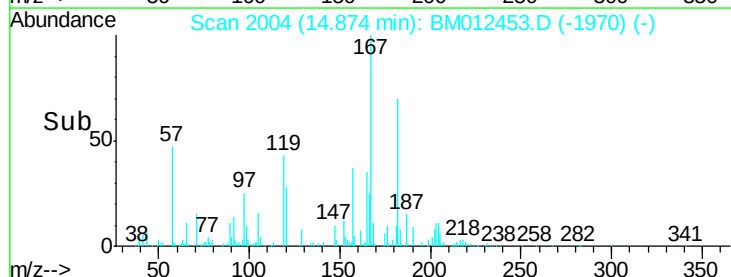
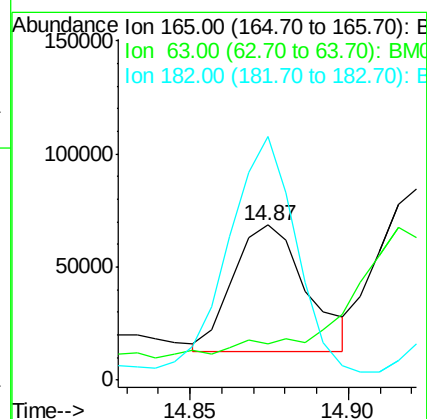
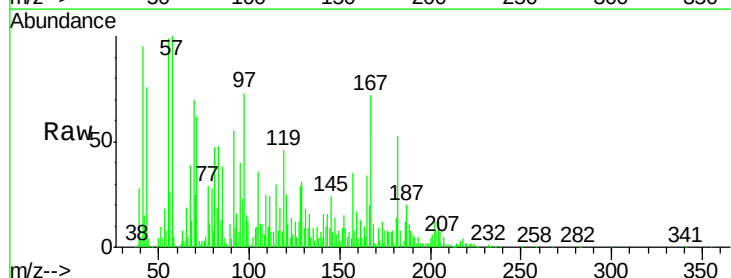
Tgt Ion:165 Resp: 89366

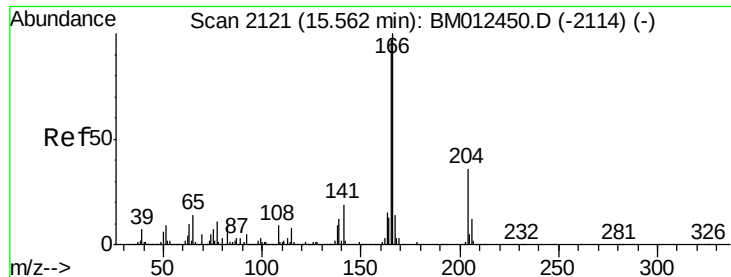
Ion Ratio Lower Upper

165 100

63 23.6 45.8 68.8#

182 156.9 2.6 4.0#

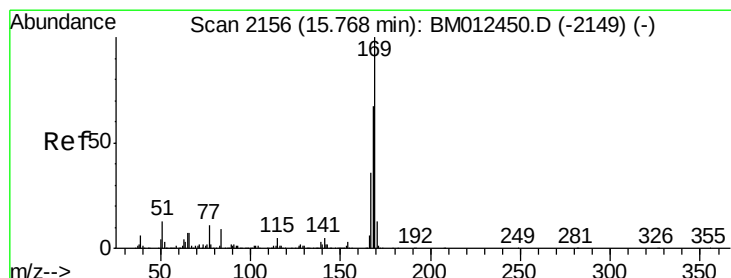
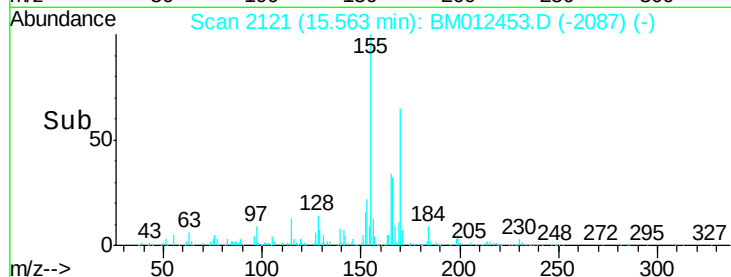
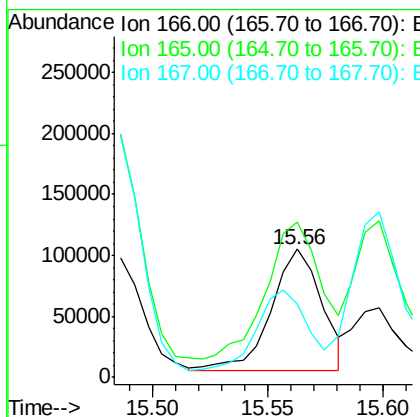
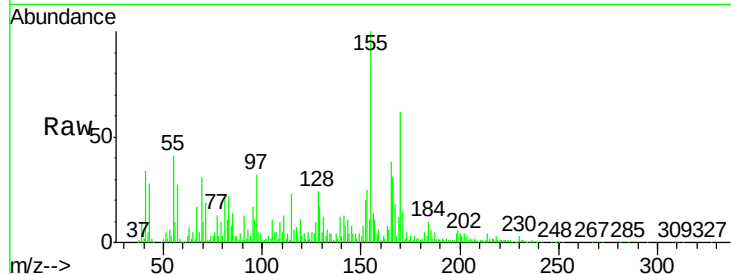




#58
 Fluorene
 Concen: 1.24 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BM012453.D
 Acq: 25 Oct 2017 20:35

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	120.7	77.9	116.9#
167	56.9	10.6	16.0#



#64
 N-Nitrosodiphenylamine
 Concen: 3.94 ng/ul
 RT: 15.78 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: BM012453.D
 Acq: 25 Oct 2017 20:35

Tgt Ion	Ratio	Lower	Upper
169	100		
168	14.5	54.0	81.0#
167	8.7	29.1	43.7#

