

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
 Data File : BM008366.D
 Acq On : 16 Dec 2016 05:04
 Operator : UM/SJ
 Sample : H6039-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T1

Quant Time: Dec 16 05:37:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:34:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	171600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	812807	20.00	ng/ul	0.04
35) Acenaphthene-d10	14.33	164	429941	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.07	188	760547	20.00	ng/ul	0.02
75) Chrysene-d12	21.26	240	832152	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	832912	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	647099	177.44	ng/uL	-0.02
5) Phenol-d5	6.96	99	4611	0.35	ng/ul	0.11
7) Bis-(2-Chloroethyl)ether-d	7.03	67	261922	34.23	ng/ul	0.02
9) 2-Chlorophenol-d4	7.26	132	7827	0.78	ng/ul	0.06
13) 4-Methylphenol-d8	8.38	113	10589	1.03	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	164565	28.02	ng/ul	0.05
22) 2-Nitrophenol-d4	9.58	143	221314	34.00	ng/ul	0.04
26) 2,4-Dichlorophenol-d3	10.24	165	335257	28.10	ng/ul	0.17
29) 4-Chloroaniline-d4	10.63	131	27621	2.02	ng/ul	0.04
43) Dimethylphthalate-d6	13.80	166	1098309	38.43	ng/ul	0.08
46) Acenaphthylene-d8	14.03	160	1362254	40.33	ng/ul	0.04
51) 4-Nitrophenol-d4	14.60	143	2464	0.59	ng/ul	0.05
57) Fluorene-d10	15.33	176	969047	39.01	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.49	200	129596	28.63	ng/ul	0.03
70) Anthracene-d10	17.17	188	1343453	40.55	ng/ul	0.01
76) Pyrene-d10	19.47	212	1452895	45.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1384961	39.60	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.82	77	19135	2.17	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.09	93	240536	23.31	ng/ul#	1
12) 2,2'-oxybis(1-Chloropropan	8.15	45	95910	8.17	ng/ul#	1
14) Acetophenone	8.54	105	1385721	82.20	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.50	70	25576	2.95	ng/ul#	1
16) 4-Methylphenol	8.35	108	14490008	1320.63	ng/ul#	78
20) Nitrobenzene	8.89	77	1373089	90.68	ng/ul#	1
21) Isophorone	9.44	82	64794	2.38	ng/ul#	1
23) 2-Nitrophenol	9.62	139	77074	11.58	ng/ul#	1
24) 2,4-Dimethylphenol	9.54	107	3829294	257.51	ng/ul#	50
25) Bis(2-Chloroethoxy)methane	9.93	93	367771	23.79	ng/ul#	1
27) 2,4-Dichlorophenol	10.13	162	65699	5.47	ng/ul#	50
28) Naphthalene	10.53	128	375549	9.76	ng/ul#	75
30) 4-Chloroaniline	10.53	127	104837	7.61	ng/ul	95
32) Caprolactam	11.47	113	57893	15.35	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.79	107	566244	43.53	ng/ul#	24
34) 2-Methylnaphthalene	12.14	142	134247	4.83	ng/ul	88
41) 2-Chloronaphthalene	13.17	162	114908	5.23	ng/ul#	66
42) 2-Nitroaniline	13.40	65	48488	7.45	ng/ul#	57
45) 2,6-Dinitrotoluene	13.91	165	30055	5.51	ng/ul#	1
48) 3-Nitroaniline	14.25	138	134241	24.69	ng/ul#	12
50) 2,4-Dinitrophenol	14.53	184	51227	16.19	ng/ul#	1
52) 4-Nitrophenol	14.61	109	17954	4.45	ng/ul#	49

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QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration

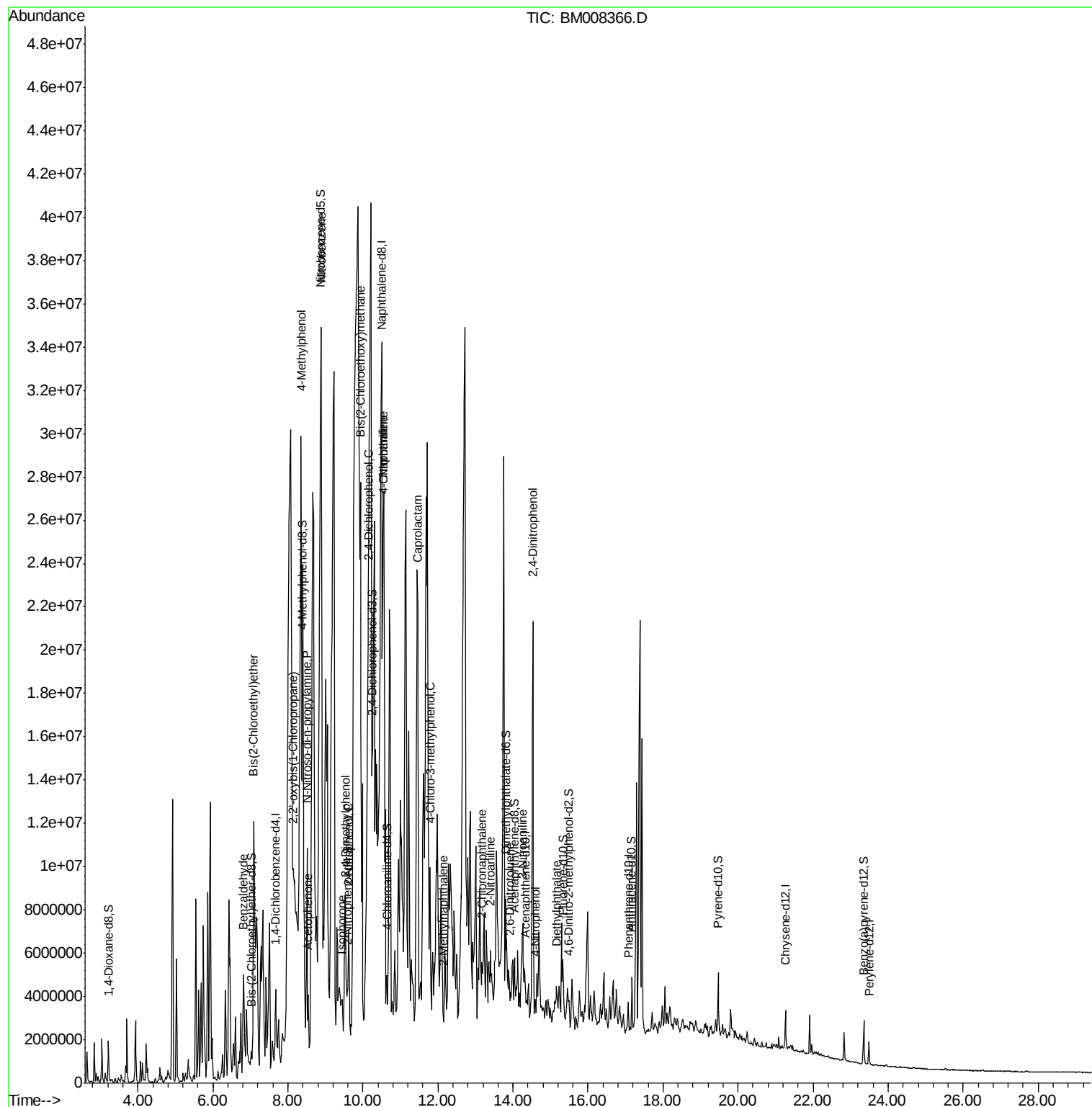
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Diethylphthalate	15.15	149	100597	3.61	ng/ul#	78

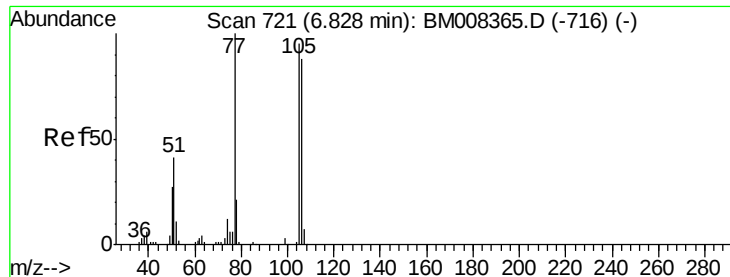
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.17 ng/ul

RT: 6.82 min Scan# 719

Delta R.T. -0.01 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

Instrument :

BNA_M

ClientSampleId :

DA8T1

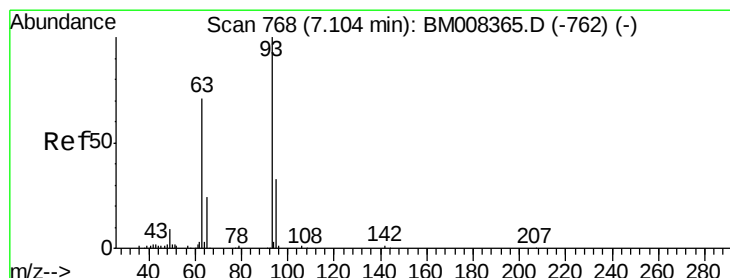
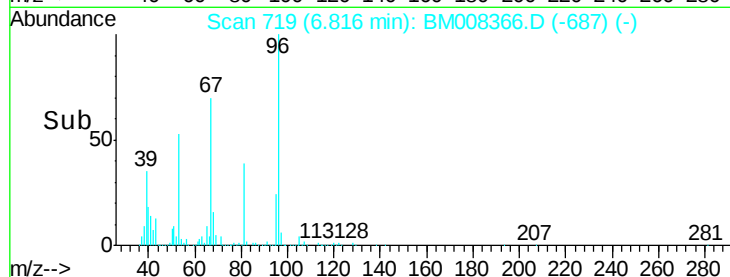
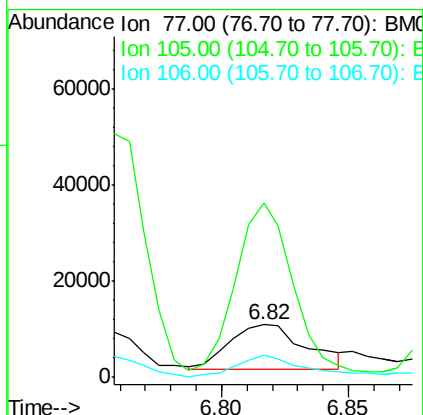
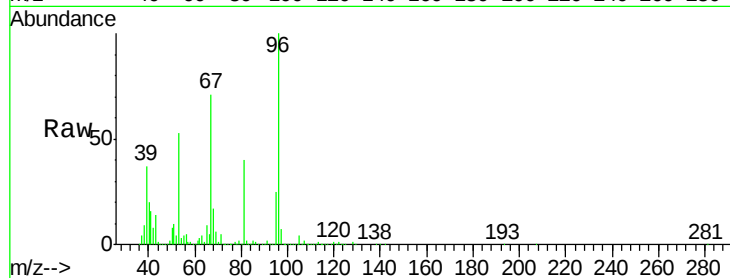
Tgt Ion: 77 Resp: 19135

Ion Ratio Lower Upper

77 100

105 331.5 70.2 105.4#

106 41.6 66.6 99.8#



#8

Bis(2-Chloroethyl)ether

Concen: 23.31 ng/ul

RT: 7.09 min Scan# 766

Delta R.T. -0.01 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

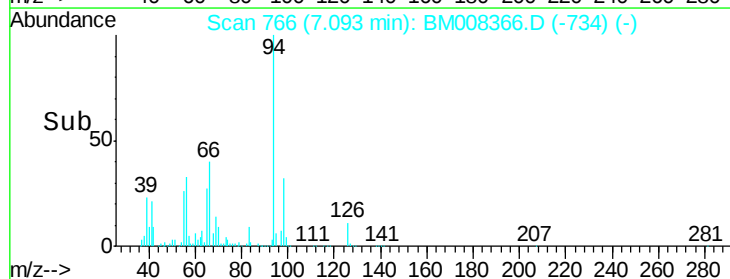
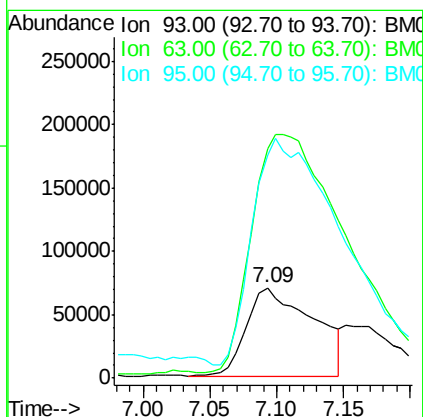
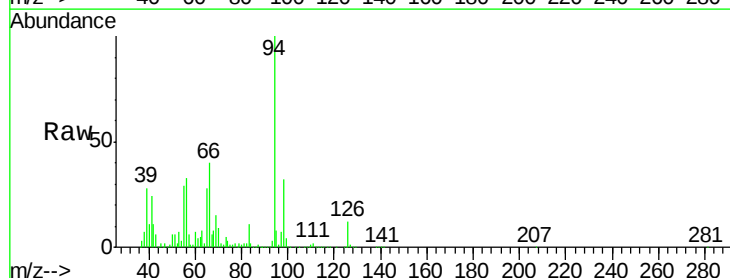
Tgt Ion: 93 Resp: 240536

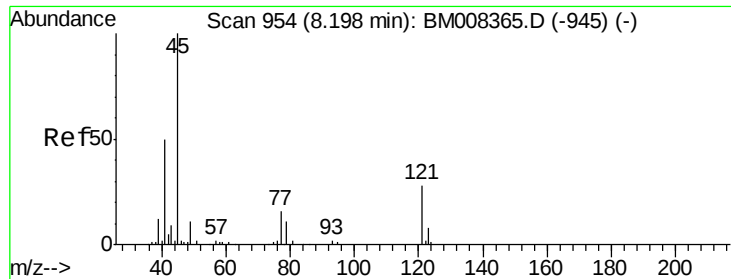
Ion Ratio Lower Upper

93 100

63 253.8 57.4 86.2#

95 247.4 25.2 37.8#

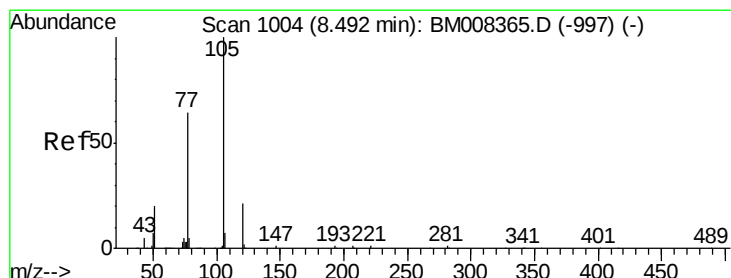
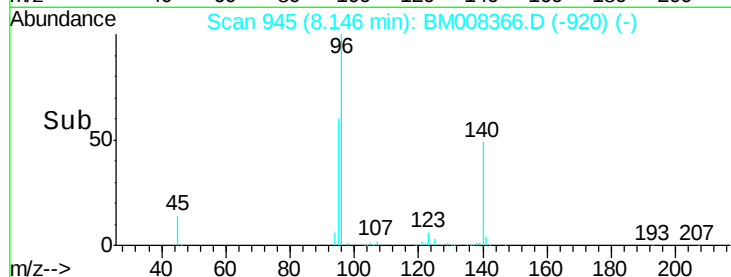
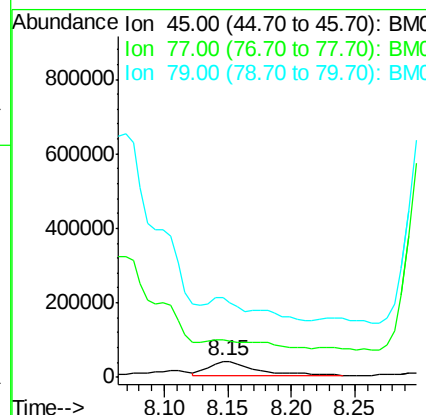
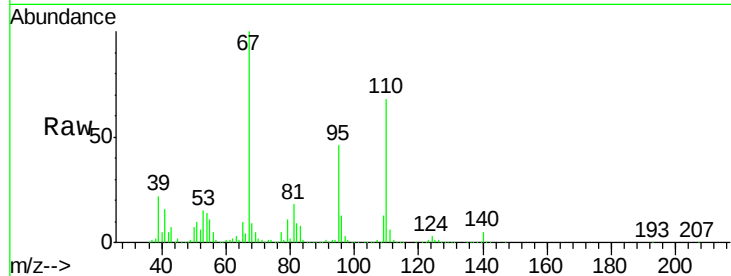




#12
2,2'-oxybis(1-Chloropropane)
Concen: 8.17 ng/ul
RT: 8.15 min Scan# 945
Delta R.T. -0.05 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

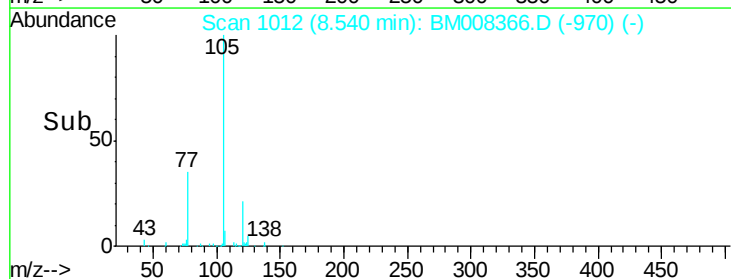
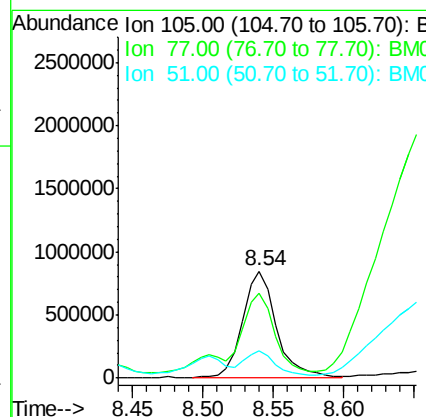
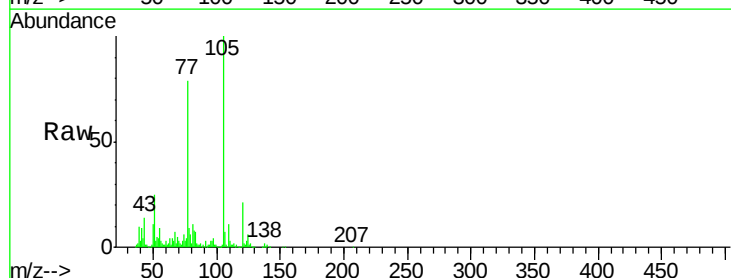
Instrument :
BNA_M
ClientSampleId :
DA8T1

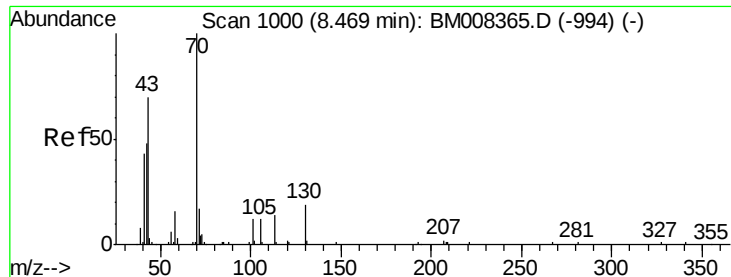
Tgt Ion: 45 Resp: 95910
Ion Ratio Lower Upper
45 100
77 233.9 14.4 21.6#
79 502.0 11.1 16.7#



#14
Acetophenone
Concen: 82.20 ng/ul
RT: 8.54 min Scan# 1012
Delta R.T. 0.05 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Tgt Ion: 105 Resp: 1385721
Ion Ratio Lower Upper
105 100
77 79.1 64.6 97.0
51 25.3 22.1 33.1

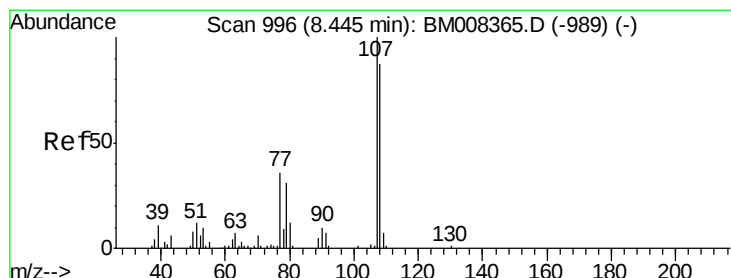
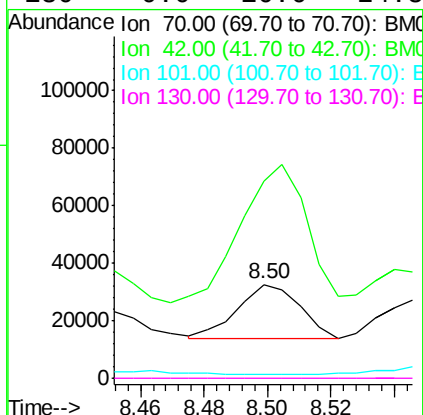
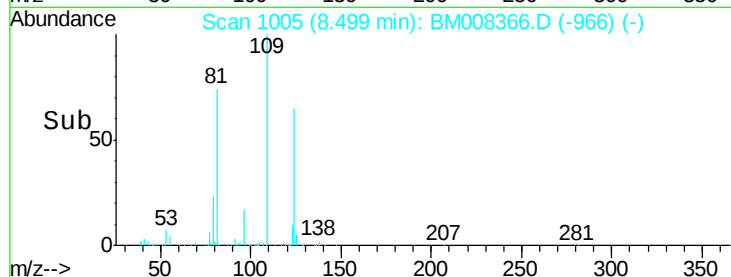
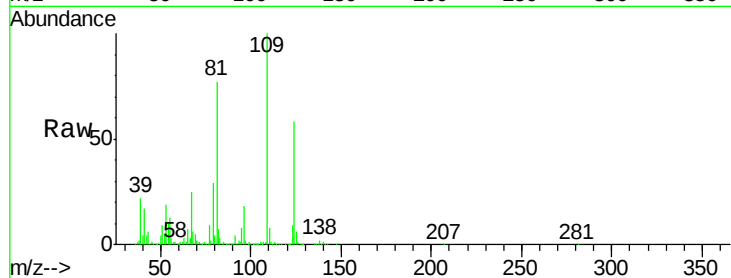




#15
N-Nitroso-di-n-propylamine
Concen: 2.95 ng/ul
RT: 8.50 min Scan# 1005
Delta R.T. 0.03 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

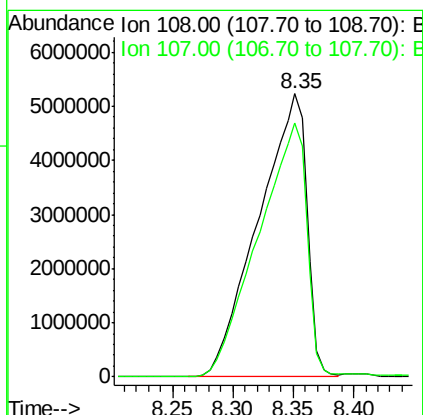
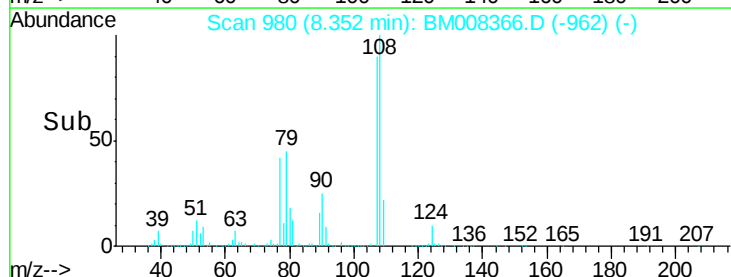
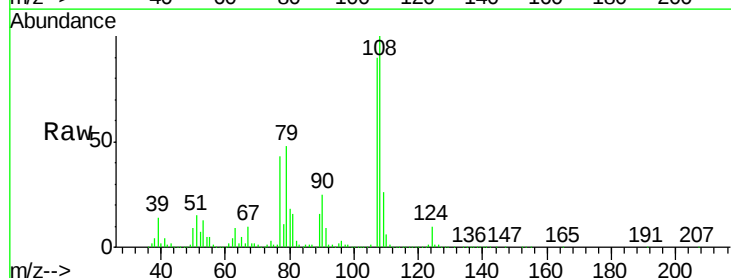
Instrument :
BNA_M
ClientSampleId :
DA8T1

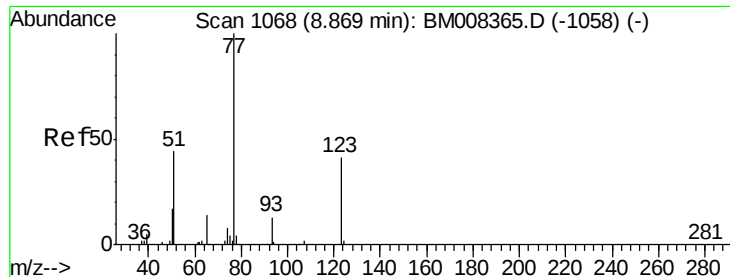
Tgt Ion: 70 Resp: 25576
Ion Ratio Lower Upper
70 100
42 209.3 38.6 57.8#
101 4.0 8.2 12.4#
130 0.0 16.6 24.8#



#16
4-Methylphenol
Concen: 1320.63 ng/ul
RT: 8.35 min Scan# 980
Delta R.T. -0.09 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Tgt Ion: 108 Resp: 14490008
Ion Ratio Lower Upper
108 100
107 89.8 90.6 135.8#

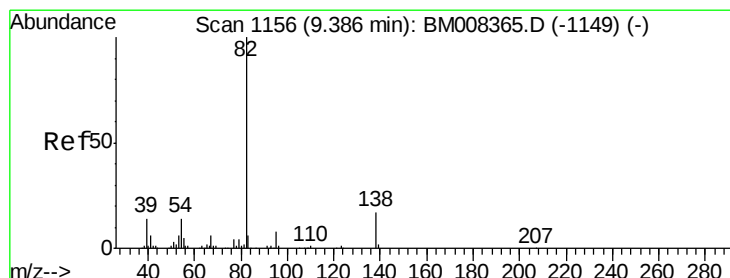
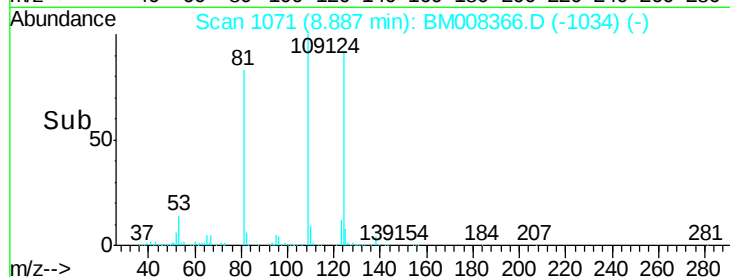
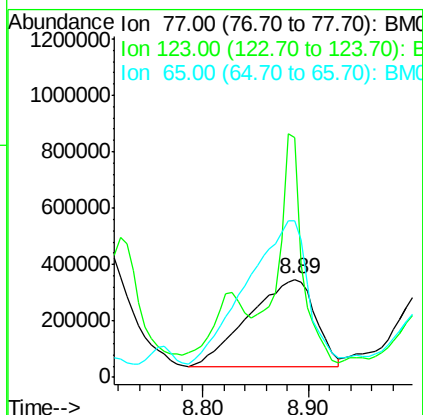
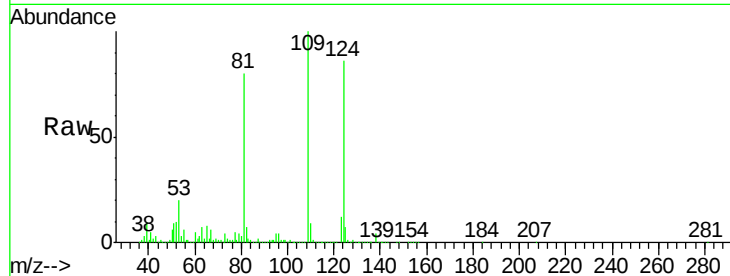




#20
Nitrobenzene
Concen: 90.68 ng/ul
RT: 8.89 min Scan# 1071
Delta R.T. 0.02 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

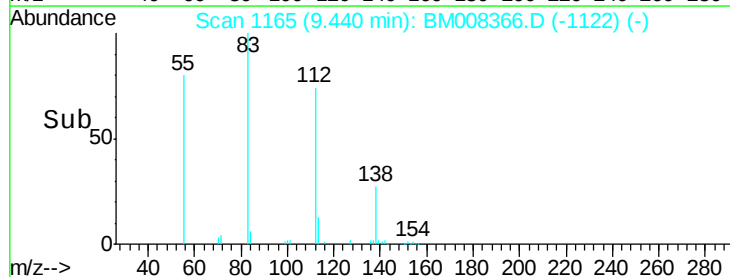
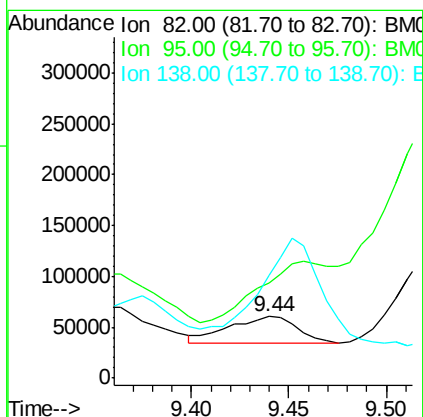
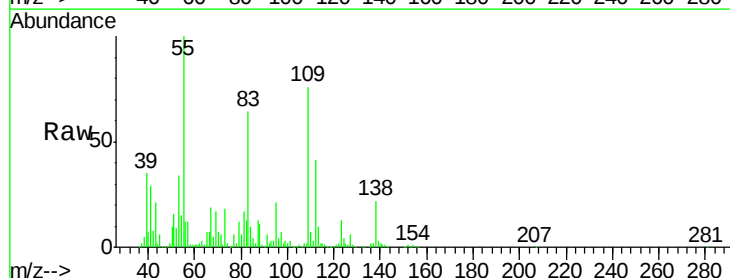
Instrument :
BNA_M
ClientSampled :
DA8T1

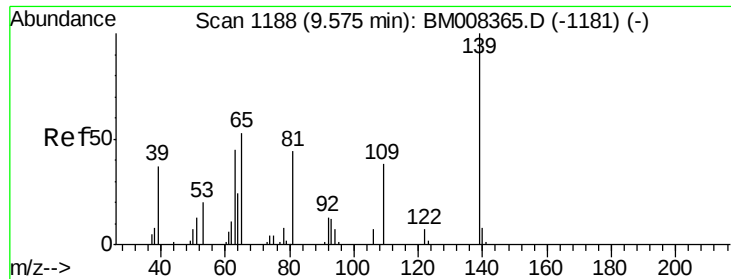
Tgt Ion: 77 Resp: 1373089
Ion Ratio Lower Upper
77 100
123 245.8 32.1 48.1#
65 159.8 10.6 15.8#



#21
Isophorone
Concen: 2.38 ng/ul
RT: 9.44 min Scan# 1165
Delta R.T. 0.05 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Tgt Ion: 82 Resp: 64794
Ion Ratio Lower Upper
82 100
95 155.2 6.6 9.8#
138 168.5 13.2 19.8#

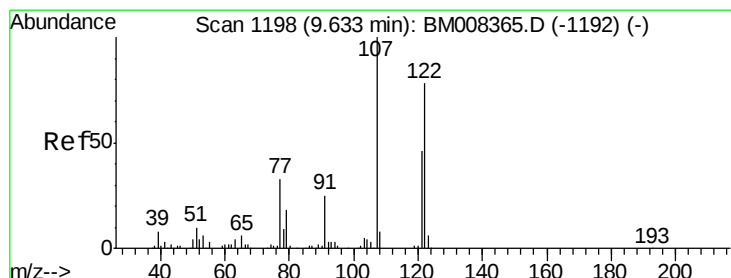
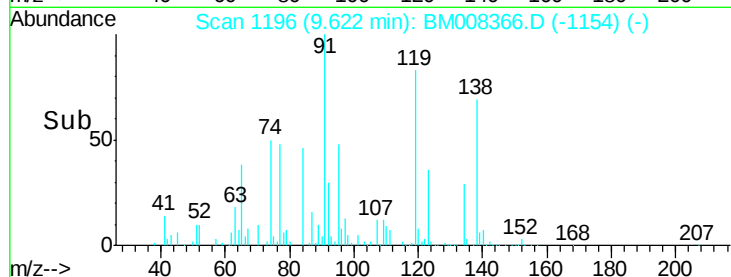
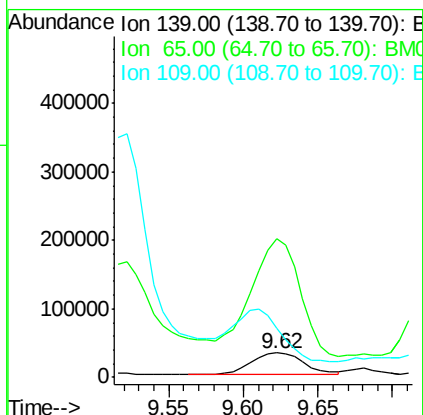
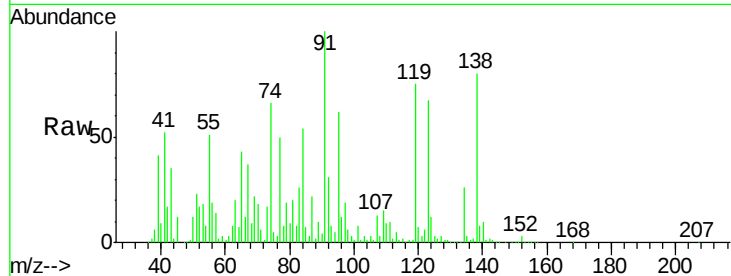




#23
 2-Nitrophenol
 Concen: 11.58 ng/ul
 RT: 9.62 min Scan# 1196
 Delta R.T. 0.05 min
 Lab File: BM008366.D
 Acq: 16 Dec 2016 05:04

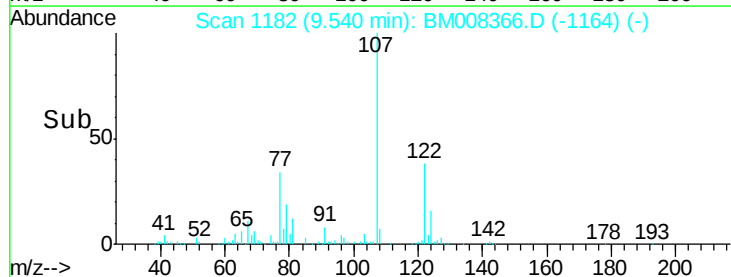
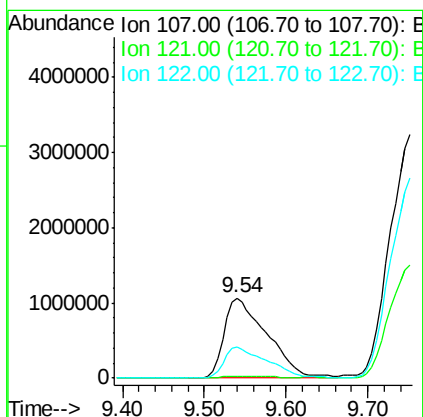
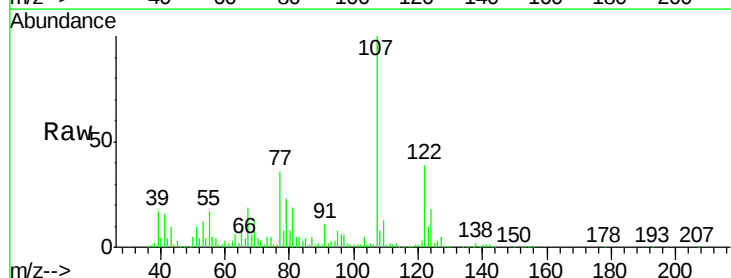
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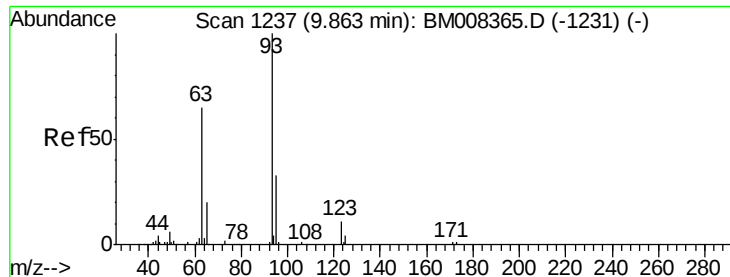
Tgt Ion:139 Resp: 77074
 Ion Ratio Lower Upper
 139 100
 65 562.1 49.9 74.9#
 109 200.3 32.2 48.4#



#24
 2,4-Dimethylphenol
 Concen: 257.51 ng/ul
 RT: 9.54 min Scan# 1182
 Delta R.T. -0.09 min
 Lab File: BM008366.D
 Acq: 16 Dec 2016 05:04

Tgt Ion:107 Resp: 3829294
 Ion Ratio Lower Upper
 107 100
 121 2.8 37.3 55.9#
 122 38.9 58.2 87.4#





#25

Bis(2-Chloroethoxy)methane

Concen: 23.79 ng/ul

RT: 9.93 min Scan# 1249

Delta R.T. 0.07 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

Instrument :

BNA_M

ClientSampleId :

DA8T1

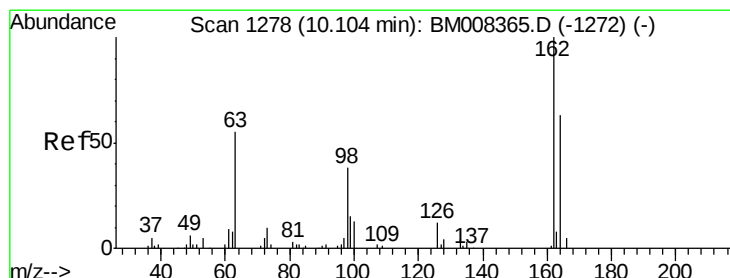
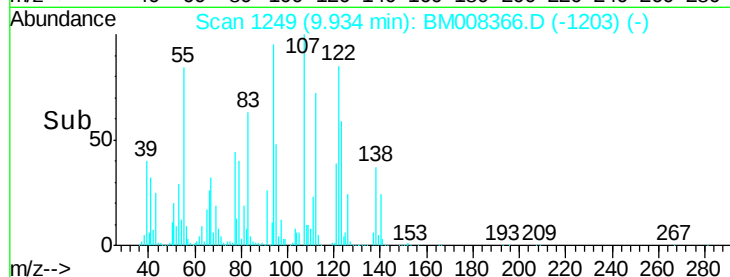
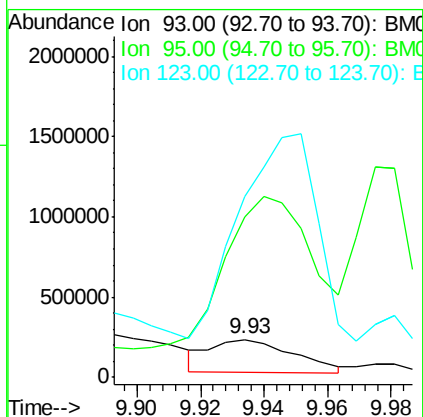
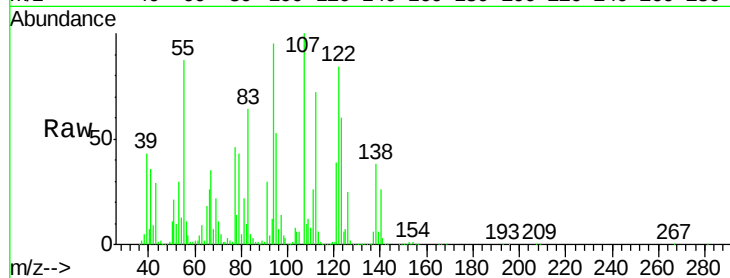
Tgt Ion: 93 Resp: 367771

Ion Ratio Lower Upper

93 100

95 427.6 24.5 36.7#

123 481.1 8.2 12.2#



#27

2,4-Dichlorophenol

Concen: 5.47 ng/ul

RT: 10.13 min Scan# 1283

Delta R.T. 0.03 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

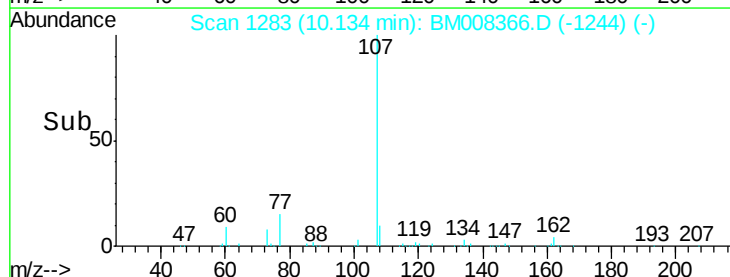
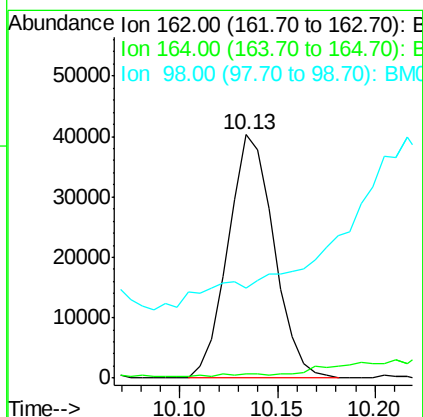
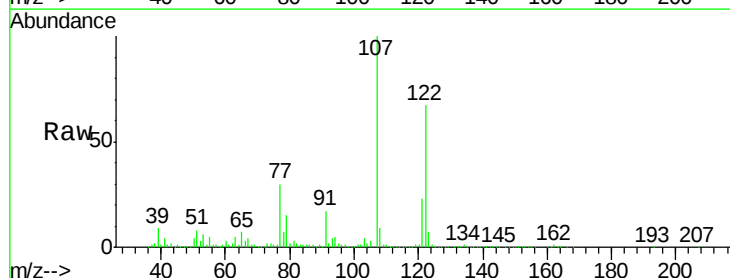
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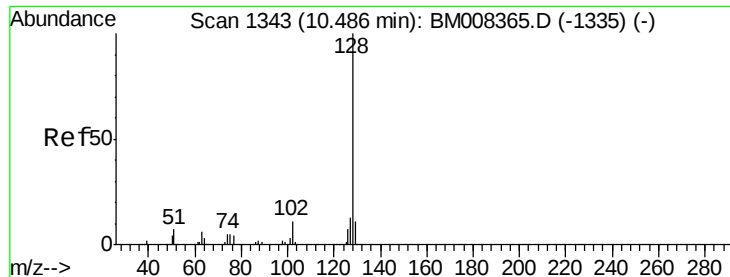
Ion Ratio Lower Upper

162 100

164 1.8 50.4 75.6#

98 36.9 29.1 43.7

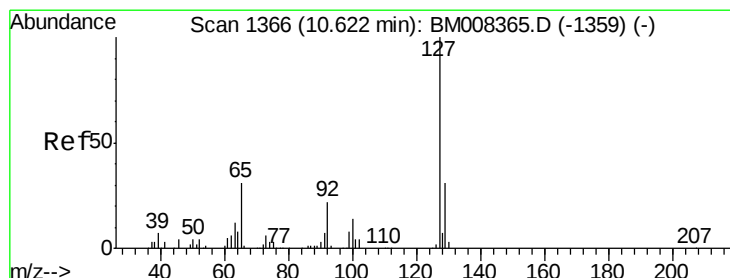
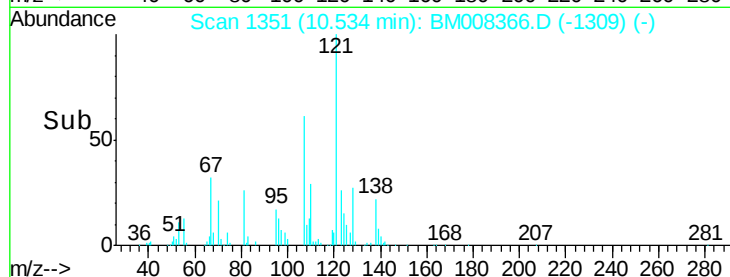
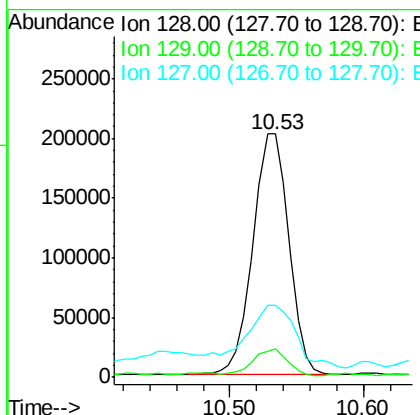
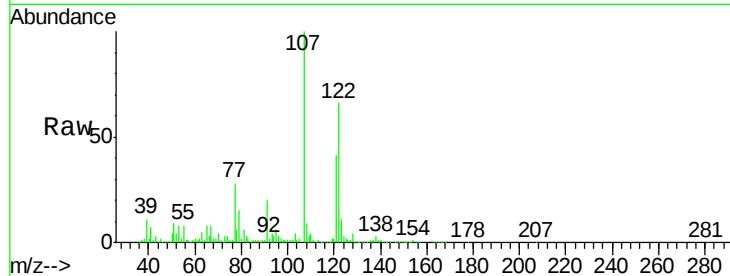




#28
Naphthalene
Concen: 9.76 ng/ul
RT: 10.53 min Scan# 1351
Delta R.T. 0.05 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

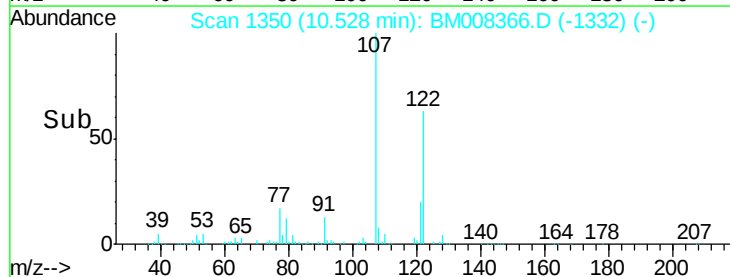
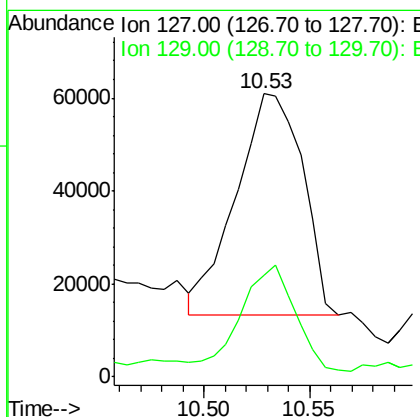
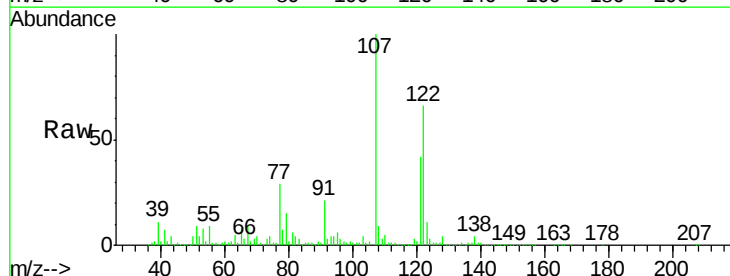
Instrument :
BNA_M
ClientSampleId :
DA8T1

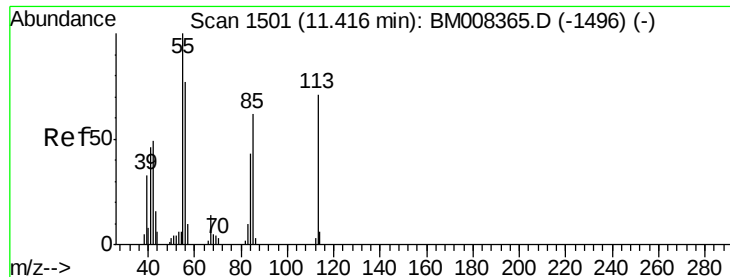
Tgt Ion:128 Resp: 375549
Ion Ratio Lower Upper
128 100
129 11.8 8.4 12.6
127 29.6 10.4 15.6#



#30
4-Chloroaniline
Concen: 7.61 ng/ul
RT: 10.53 min Scan# 1350
Delta R.T. -0.09 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Tgt Ion:127 Resp: 104837
Ion Ratio Lower Upper
127 100
129 36.1 26.8 40.2





#32

Caprolactam

Concen: 15.35 ng/ul

RT: 11.47 min Scan# 1510

Delta R.T. 0.05 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

Instrument :

BNA_M

ClientSampleId :

DA8T1

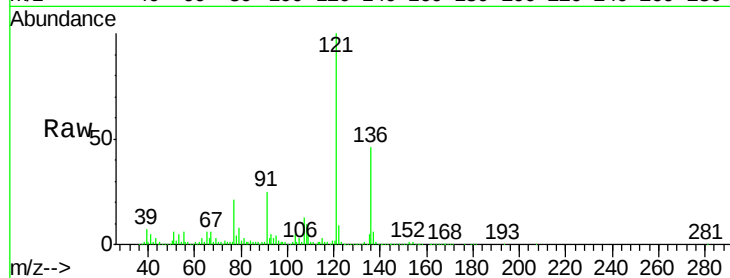
Tgt Ion:113 Resp: 57893

Ion Ratio Lower Upper

113 100

55 553.2 126.1 189.1#

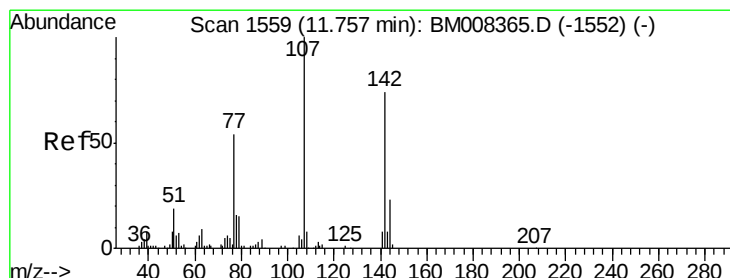
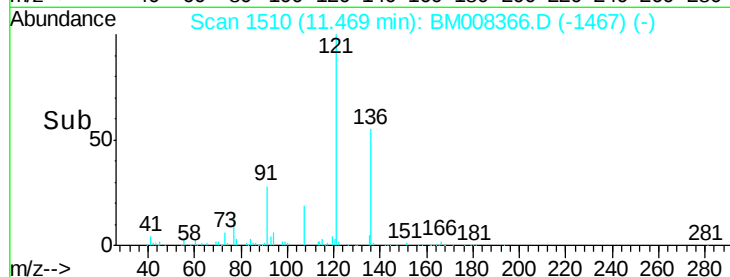
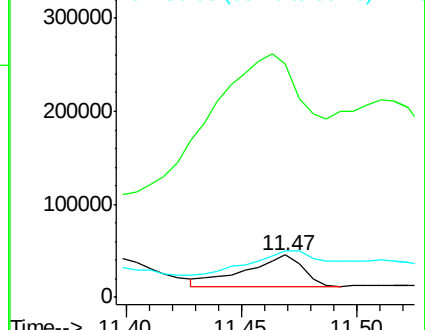
56 110.1 91.3 136.9



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



#33

4-Chloro-3-methylphenol

Concen: 43.53 ng/ul

RT: 11.79 min Scan# 1564

Delta R.T. 0.03 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

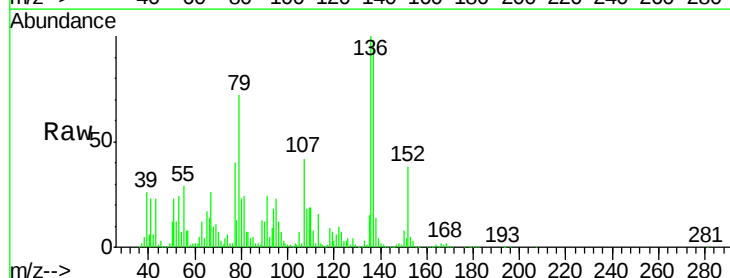
Tgt Ion:107 Resp: 566244

Ion Ratio Lower Upper

107 100

144 0.2 17.9 26.9#

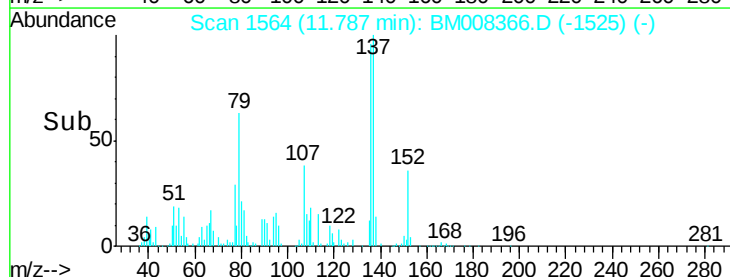
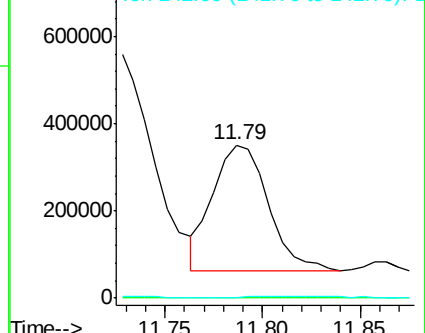
142 0.5 57.0 85.6#

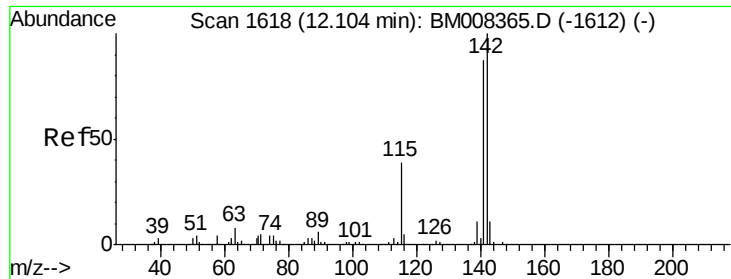


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

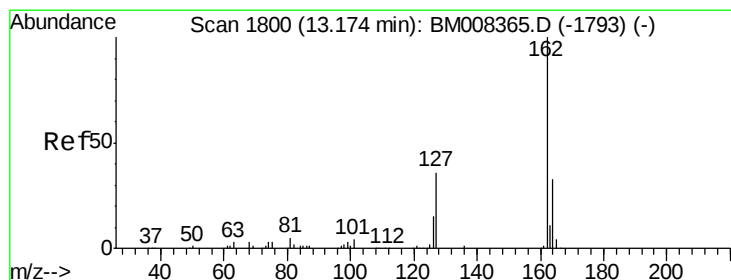
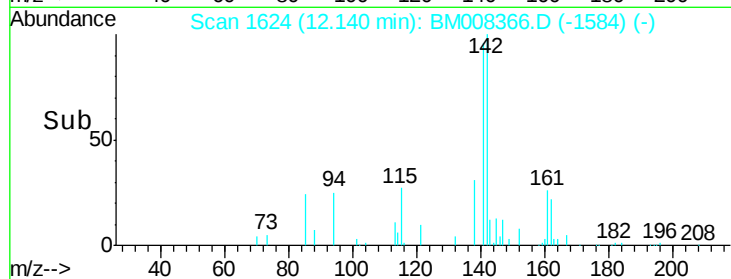
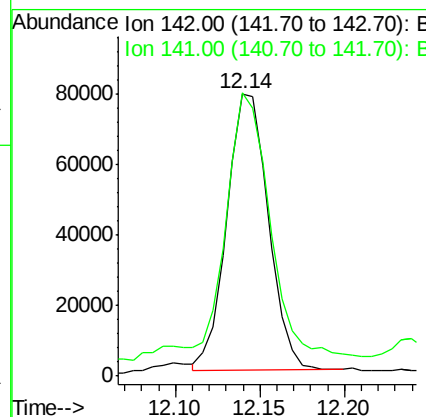
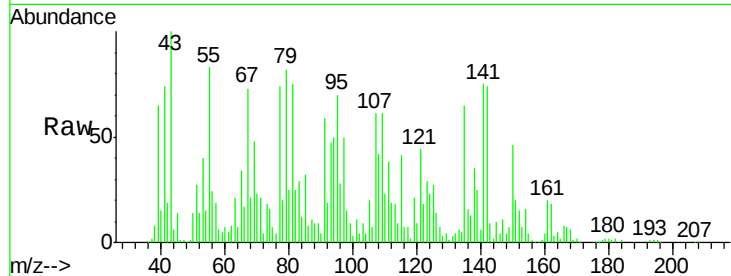




#34
 2-Methylnaphthalene
 Concen: 4.83 ng/ul
 RT: 12.14 min Scan# 1624
 Delta R.T. 0.04 min
 Lab File: BM008366.D
 Acq: 16 Dec 2016 05:04

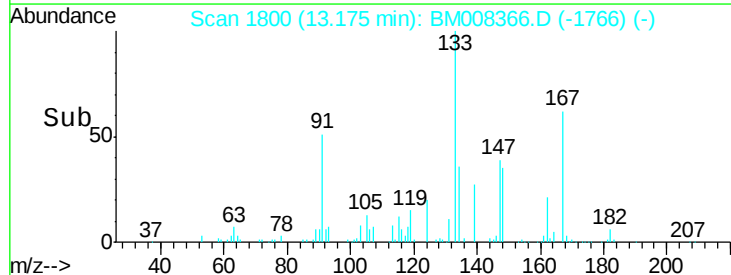
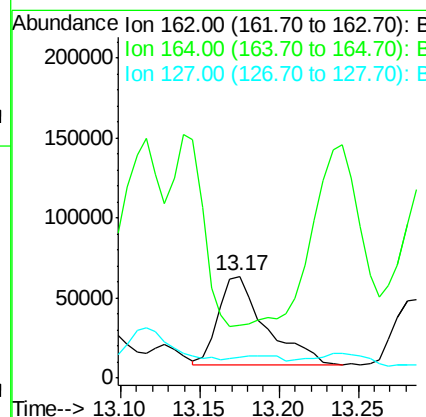
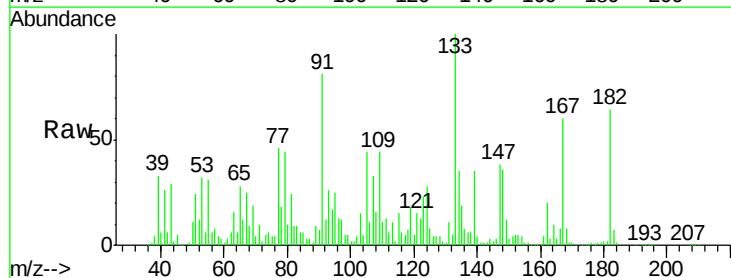
Instrument :
 BNA_M
 ClientSampleId :
 DA8T1

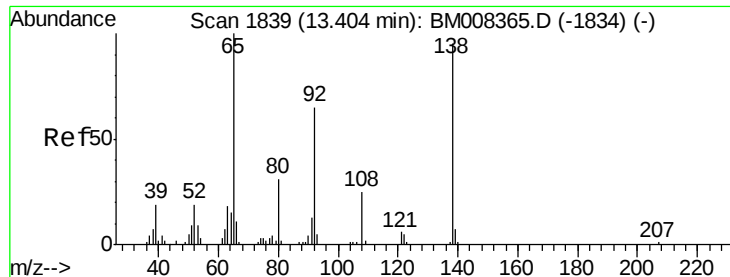
Tgt Ion:142 Resp: 134247
 Ion Ratio Lower Upper
 142 100
 141 100.3 71.1 106.7



#41
 2-Chloronaphthalene
 Concen: 5.23 ng/ul
 RT: 13.17 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BM008366.D
 Acq: 16 Dec 2016 05:04

Tgt Ion:162 Resp: 114908
 Ion Ratio Lower Upper
 162 100
 164 51.9 25.2 37.8#
 127 19.9 31.6 47.4#

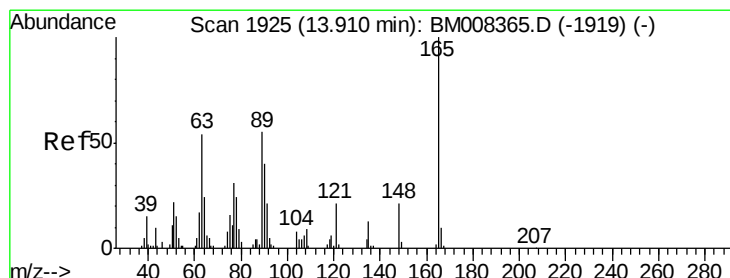
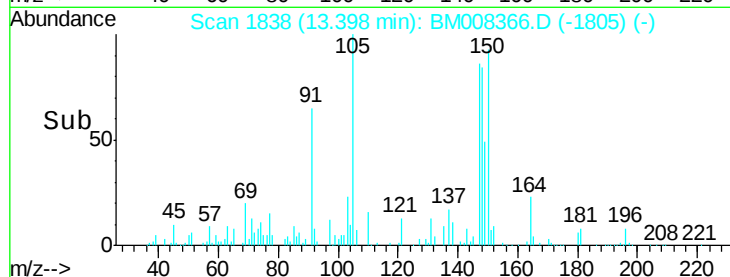
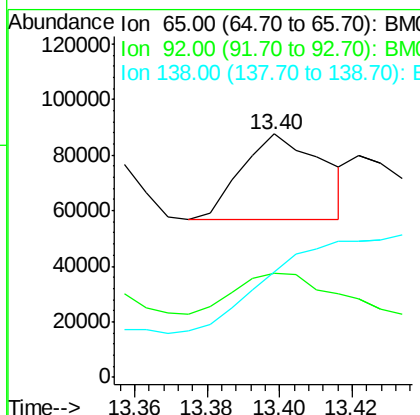
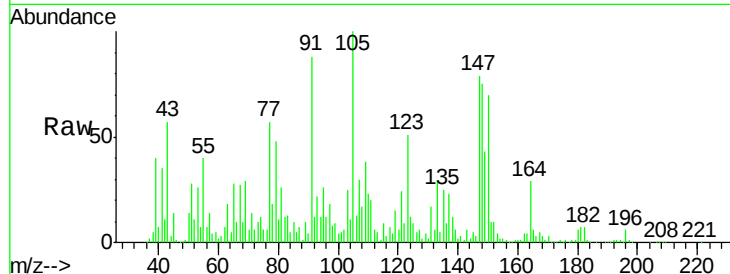




#42
2-Nitroaniline
Concen: 7.45 ng/ul
RT: 13.40 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

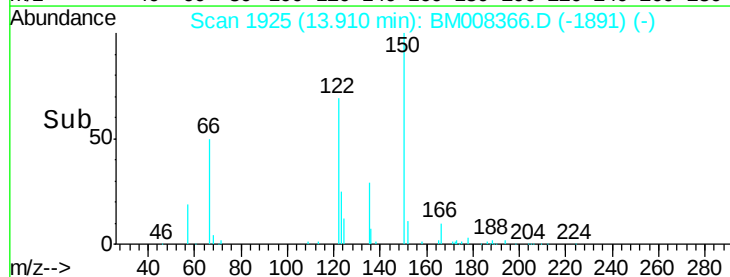
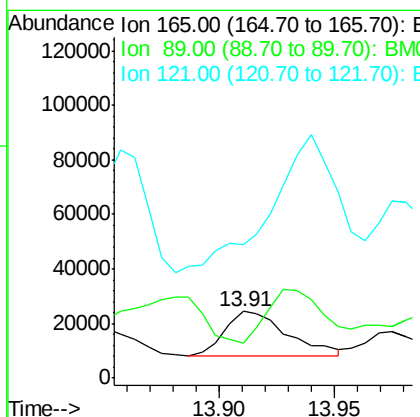
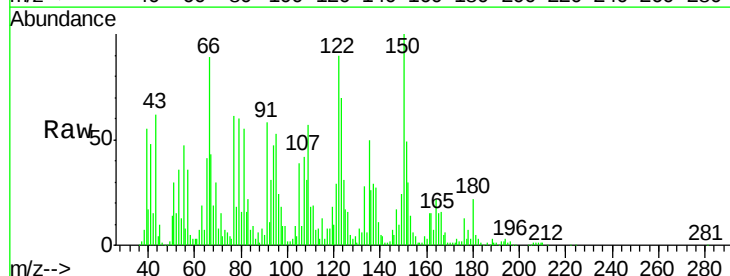
Instrument :
BNA_M
ClientSampled :
DA8T1

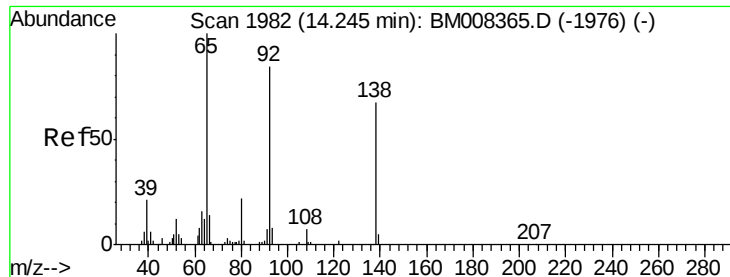
Tgt Ion: 65 Resp: 48488
Ion Ratio Lower Upper
65 100
92 42.9 56.5 84.7#
138 43.5 73.8 110.6#



#45
2,6-Dinitrotoluene
Concen: 5.51 ng/ul
RT: 13.91 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Tgt Ion: 165 Resp: 30055
Ion Ratio Lower Upper
165 100
89 51.8 52.0 78.0#
121 200.3 18.6 27.8#





#48

3-Nitroaniline

Concen: 24.69 ng/ul

RT: 14.25 min Scan# 1983

Delta R.T. 0.01 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

Instrument :

BNA_M

ClientSampleId :

DA8T1

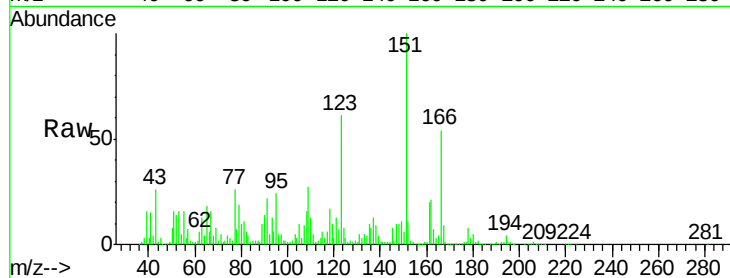
Tgt Ion:138 Resp: 134241

Ion Ratio Lower Upper

138 100

108 170.0 9.0 13.6#

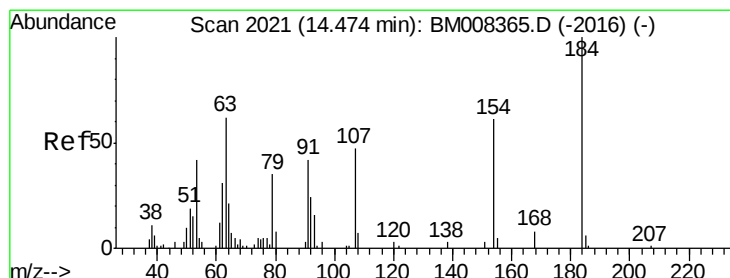
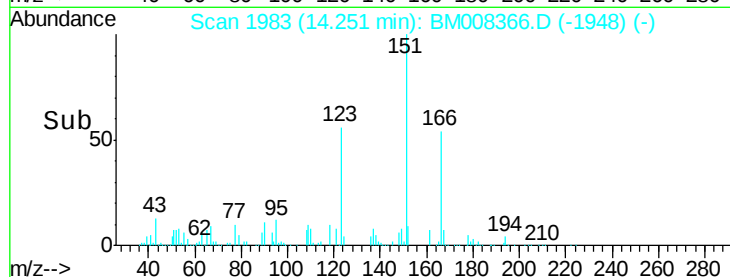
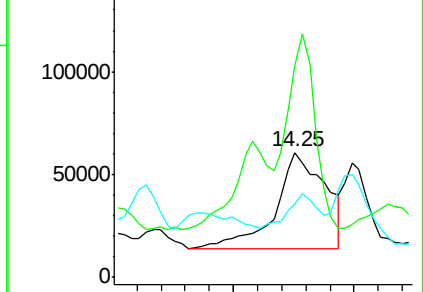
92 58.6 100.6 150.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#50

2,4-Dinitrophenol

Concen: 16.19 ng/ul

RT: 14.53 min Scan# 2030

Delta R.T. 0.05 min

Lab File: BM008366.D

Acq: 16 Dec 2016 05:04

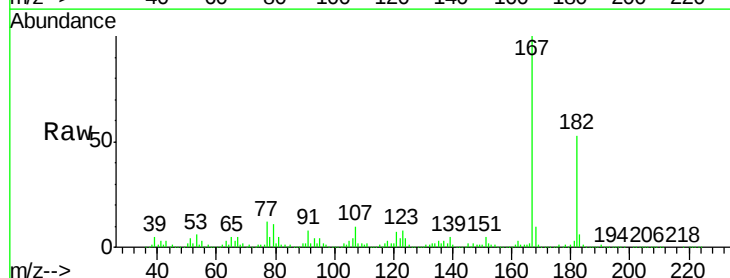
Tgt Ion:184 Resp: 51227

Ion Ratio Lower Upper

184 100

63 413.3 51.9 77.9#

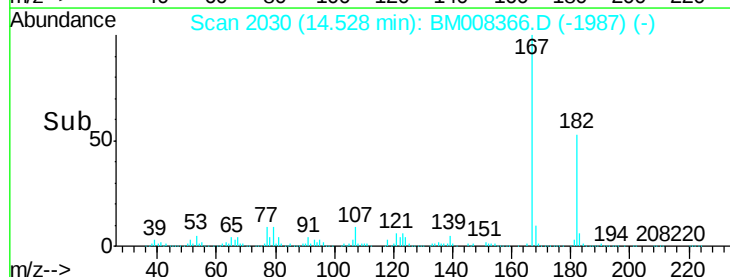
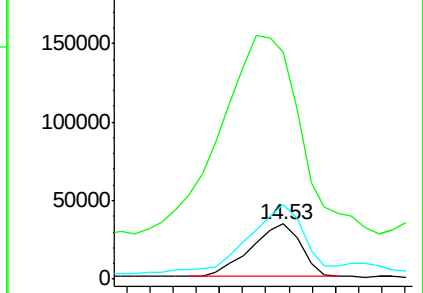
154 134.8 48.5 72.7#

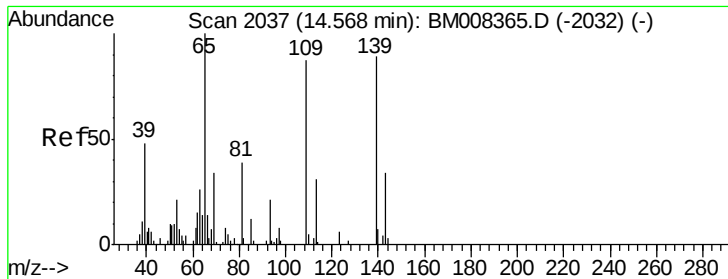


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E

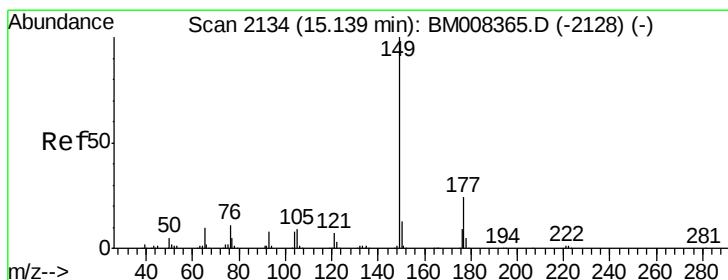
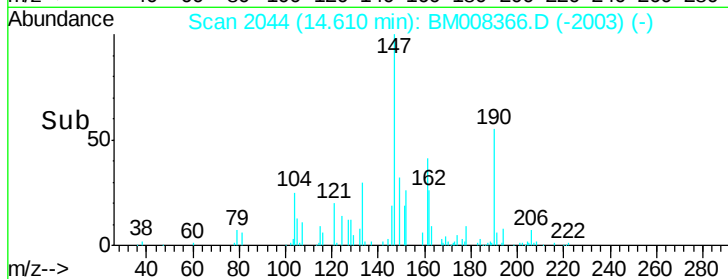
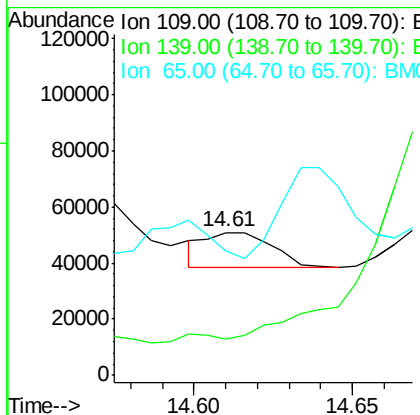
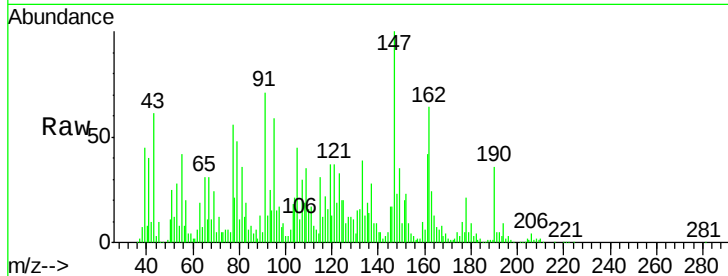




#52
4-Nitrophenol
Concen: 4.45 ng/ul
RT: 14.61 min Scan# 2044
Delta R.T. 0.04 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Instrument :
BNA_M
ClientSampleId :
DA8T1

Tgt Ion:109 Resp: 17954
Ion Ratio Lower Upper
109 100
139 25.3 83.3 124.9#
65 86.9 93.0 139.4#



#56
Diethylphthalate
Concen: 3.61 ng/ul
RT: 15.15 min Scan# 2136
Delta R.T. 0.01 min
Lab File: BM008366.D
Acq: 16 Dec 2016 05:04

Tgt Ion:149 Resp: 100597
Ion Ratio Lower Upper
149 100
177 26.2 18.5 27.7
150 32.8 10.6 15.8#

