

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
 Data File : BM008367.D
 Acq On : 16 Dec 2016 05:40
 Operator : UM/SJ
 Sample : H6039-19
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

Quant Time: Dec 16 06:35:44 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	145497	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	780200	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.33	164	420219	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.07	188	854479	20.00	ng/ul	0.01
75) Chrysene-d12	21.26	240	1024966	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	999509	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	536955	173.65	ng/uL	-0.02
5) Phenol-d5	6.88	99	97463	8.64	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.02	67	191362	29.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	235826	27.77	ng/ul	0.01
13) 4-Methylphenol-d8	8.43	113	185321	21.20	ng/ul	0.05
19) Nitrobenzene-d5	8.84	128	156292	27.72	ng/ul	0.02
22) 2-Nitrophenol-d4	9.55	143	171219	27.40	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.12	165	297242	25.96	ng/ul	0.04
29) 4-Chloroaniline-d4	10.60	131	361726	27.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	13612	0.49	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	1320384	40.00	ng/ul	0.02
51) 4-Nitrophenol-d4	14.57	143	8095	1.97	ng/ul	0.02
57) Fluorene-d10	15.32	176	1479409	60.93	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.49	200	156551	30.78	ng/ul	0.02
70) Anthracene-d10	17.17	188	1412293	37.94	ng/ul	0.01
76) Pyrene-d10	19.46	212	1593902	40.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1543760	36.78	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.82	77	76376	10.22	ng/ul#	1
6) Phenol	6.91	94	783243	66.83	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.08	93	9300	1.06	ng/ul#	64
11) 2-Methylphenol	8.16	108	3876142	451.86	ng/ul	99
14) Acetophenone	8.51	105	404709	28.31	ng/ul#	1
15) N-Nitroso-di-n-propylamine	8.47	70	9365	1.27	ng/ul#	5
16) 4-Methylphenol	8.51	108	5760944	619.26	ng/ul	89
17) Hexachloroethane	8.71	117	6828	1.75	ng/ul#	3
20) Nitrobenzene	8.92	77	110959	7.63	ng/ul#	21
24) 2,4-Dimethylphenol	9.69	107	6533610	457.73	ng/ul	93
25) Bis(2-Chloroethoxy)methane	9.85	93	43086	2.90	ng/ul#	1
27) 2,4-Dichlorophenol	10.12	162	703380	60.96	ng/ul#	29
28) Naphthalene	10.50	128	1733185	46.93	ng/ul	98
30) 4-Chloroaniline	10.70	127	27084	2.05	ng/ul	99
32) Caprolactam	11.43	113	7063	1.95	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.79	107	168240	13.47	ng/ul#	27
34) 2-Methylnaphthalene	12.13	142	1715862	64.30	ng/ul	99
40) 1,1'-Biphenyl	13.15	154	391786	13.98	ng/ul#	91
41) 2-Chloronaphthalene	13.15	162	353384	16.44	ng/ul#	44
42) 2-Nitroaniline	13.44	65	27071	4.26	ng/ul#	36
47) Acenaphthylene	14.05	152	47178	1.40	ng/ul#	42
48) 3-Nitroaniline	14.25	138	22616	4.26	ng/ul#	57
49) Acenaphthene	14.39	153	87218	3.78	ng/ul	95

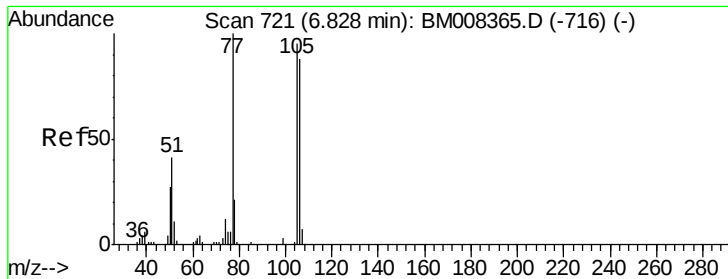
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121616\
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:34:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 4-Nitrophenol	14.62	109	17063	4.32	ng/ul#	83
53) Dibenzofuran	14.73	168	164544	4.89	ng/ul#	82
54) 2,4-Dinitrotoluene	14.72	165	22893	2.87	ng/ul#	1
56) Diethylphthalate	15.15	149	107411	3.94	ng/ul#	41
58) Fluorene	15.37	166	142182	5.14	ng/ul#	89

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



#4

Benzaldehyde

Concen: 10.22 ng/ul

RT: 6.82 min Scan# 719

Delta R.T. -0.01 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

BNA_M

ClientSampleId :

DA8T3

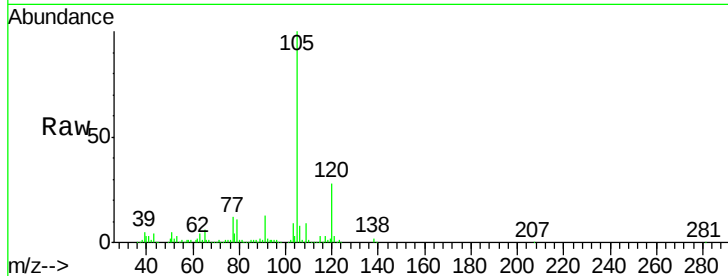
Tgt Ion: 77 Resp: 76376

Ion Ratio Lower Upper

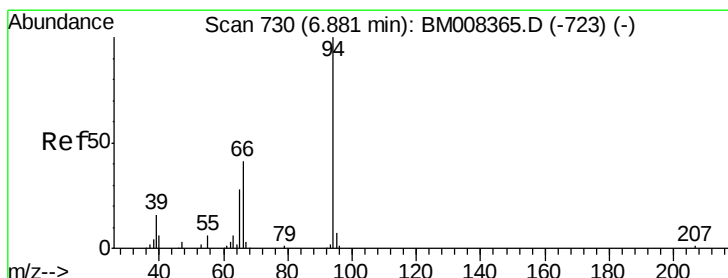
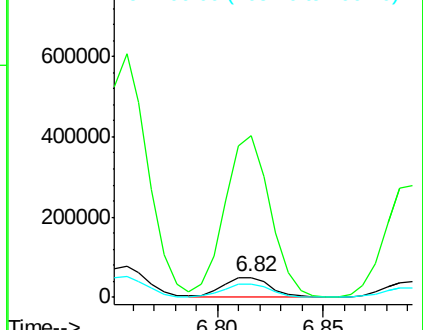
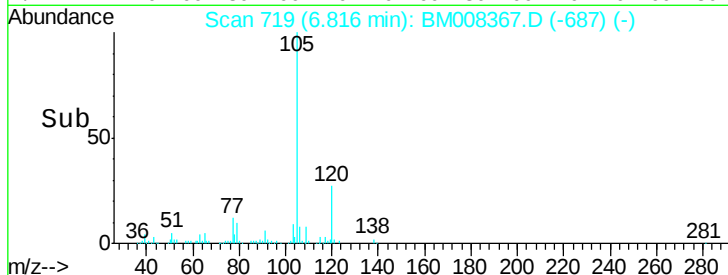
77 100

105 801.8 70.2 105.4#

106 66.6 66.6 99.8#



Abundance Ion 77.00 (76.70 to 77.70): BM008367.D (-687) (-)



#6

Phenol

Concen: 66.83 ng/ul

RT: 6.91 min Scan# 735

Delta R.T. 0.03 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

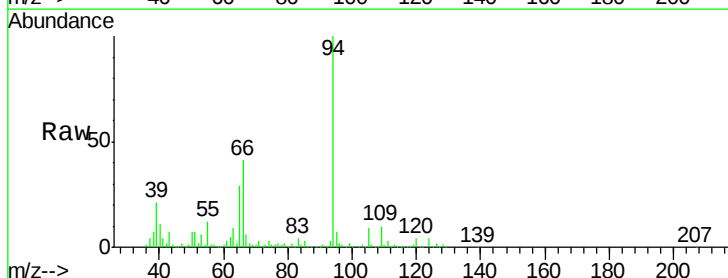
Tgt Ion: 94 Resp: 783243

Ion Ratio Lower Upper

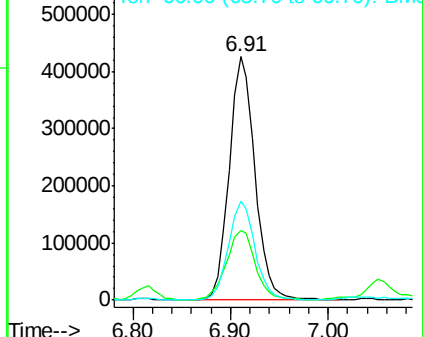
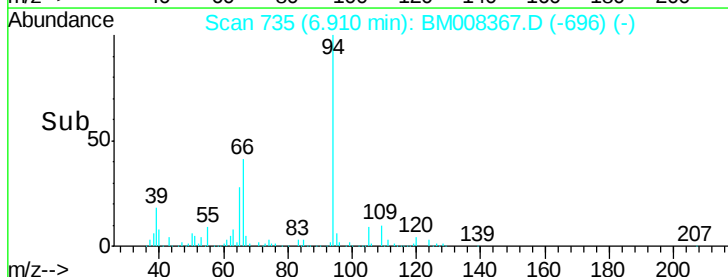
94 100

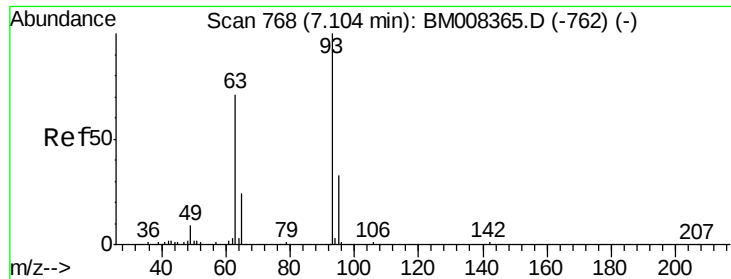
65 28.8 22.6 34.0

66 40.7 35.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BM008367.D (-696) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 1.06 ng/ul

RT: 7.08 min Scan# 764

Delta R.T. -0.02 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

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ClientSampleId :

DA8T3

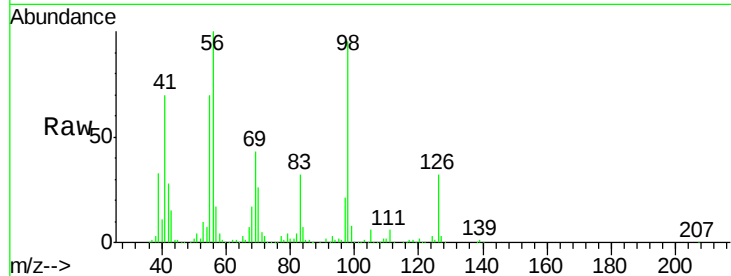
Tgt Ion: 93 Resp: 9300

Ion Ratio Lower Upper

93 100

63 47.0 57.4 86.2#

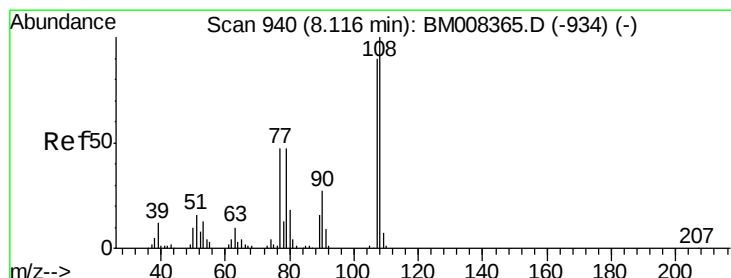
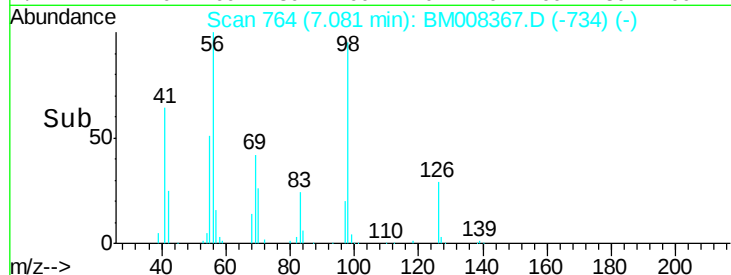
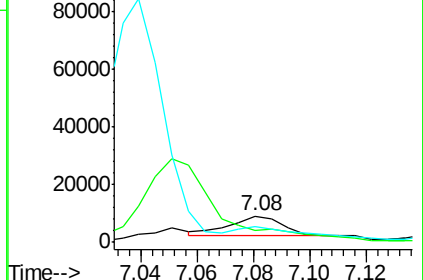
95 59.1 25.2 37.8#



Abundance Ion 93.00 (92.70 to 93.70): BM008367.D (-734) (-)

Ion 63.00 (62.70 to 63.70): BM008367.D (-734) (-)

Ion 95.00 (94.70 to 95.70): BM008367.D (-734) (-)



#11

2-Methylphenol

Concen: 451.86 ng/ul

RT: 8.16 min Scan# 947

Delta R.T. 0.04 min

Lab File: BM008367.D

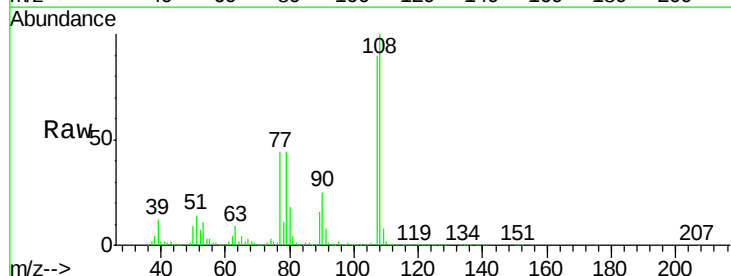
Acq: 16 Dec 2016 05:40

Tgt Ion: 108 Resp: 3876142

Ion Ratio Lower Upper

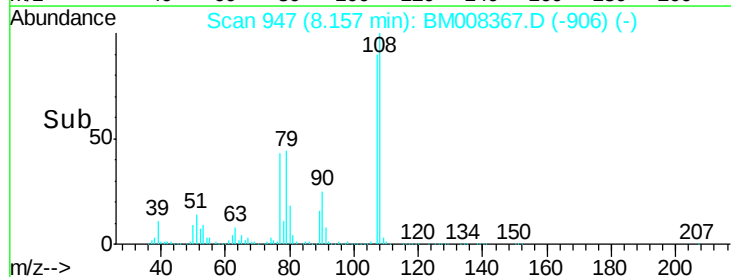
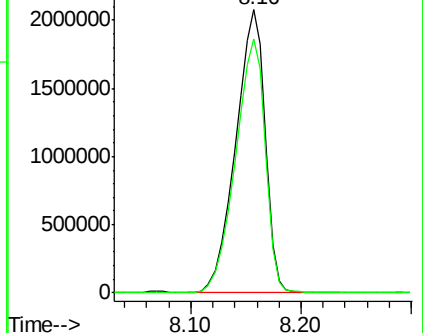
108 100

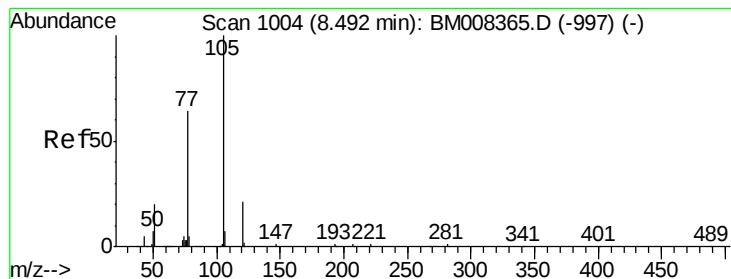
107 89.7 70.8 106.2



Abundance Ion 108.00 (107.70 to 108.70): BM008367.D (-906) (-)

Ion 107.00 (106.70 to 107.70): BM008367.D (-906) (-)





#14

Acetophenone

Concen: 28.31 ng/ul

RT: 8.51 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

BNA_M

ClientSampleId :

DA8T3

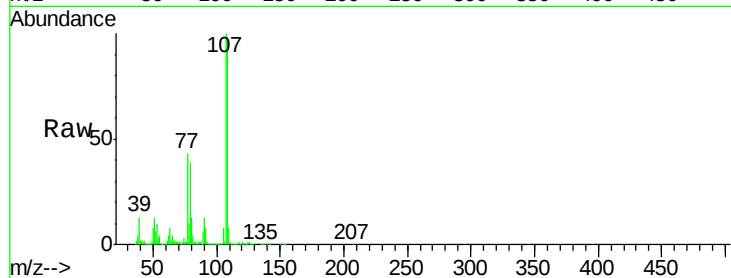
Tgt Ion: 105 Resp: 404709

Ion Ratio Lower Upper

105 100

77 570.1 64.6 97.0#

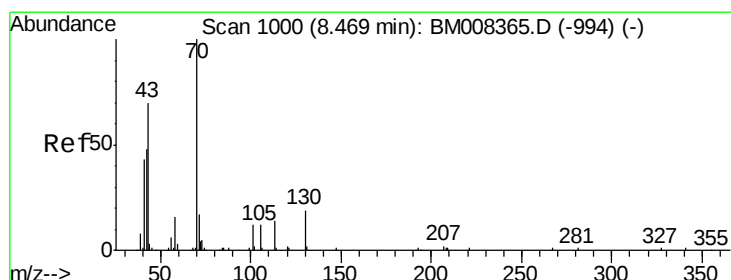
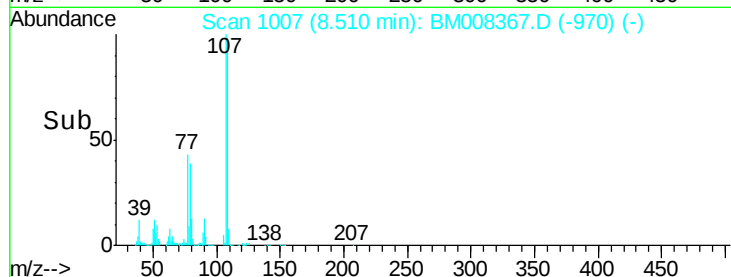
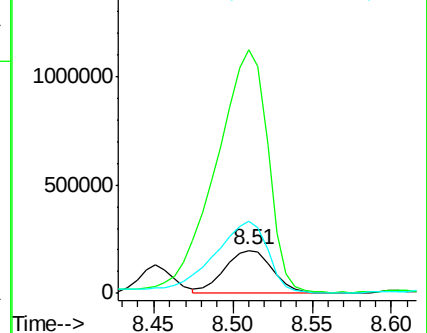
51 167.6 22.1 33.1#



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: 1.27 ng/ul

RT: 8.47 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Tgt Ion: 70 Resp: 9365

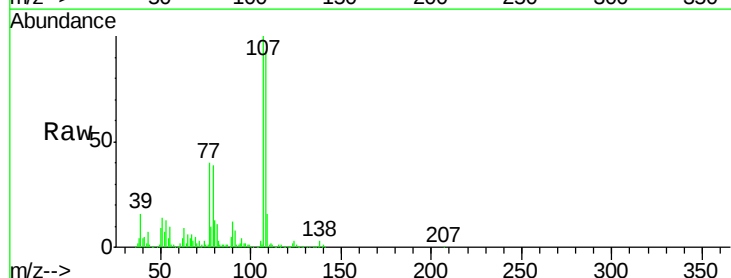
Ion Ratio Lower Upper

70 100

42 138.0 38.6 57.8#

101 3.2 8.2 12.4#

130 0.0 16.6 24.8#

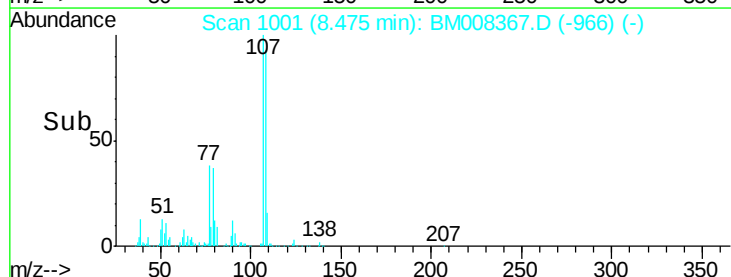
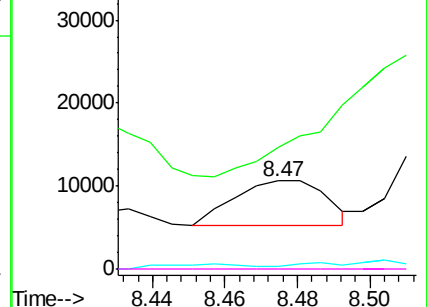


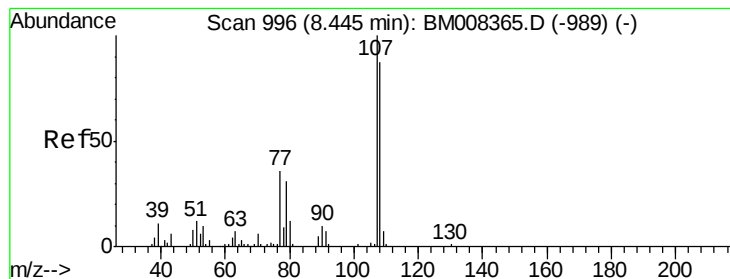
Abundance Ion 70.00 (69.70 to 70.70): BM0

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





#16

4-Methylphenol

Concen: 619.26 ng/ul

RT: 8.51 min Scan# 1007

Delta R.T. 0.06 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

BNA_M

ClientSampleId :

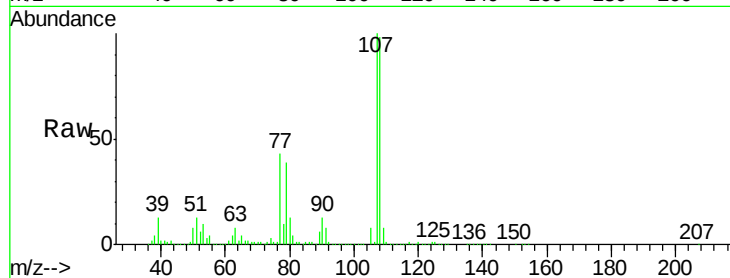
DA8T3

Tgt Ion:108 Resp: 5760944

Ion Ratio Lower Upper

108 100

107 101.8 90.6 135.8



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

3000000

2500000

2000000

1500000

1000000

500000

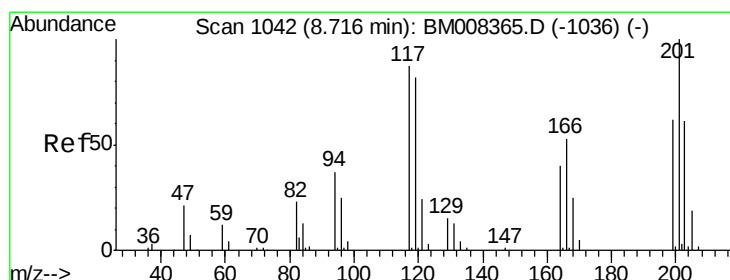
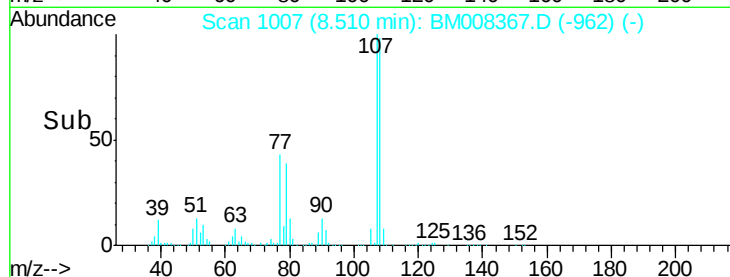
0

8.40

8.50

8.60

Time-->



#17

Hexachloroethane

Concen: 1.75 ng/ul

RT: 8.71 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

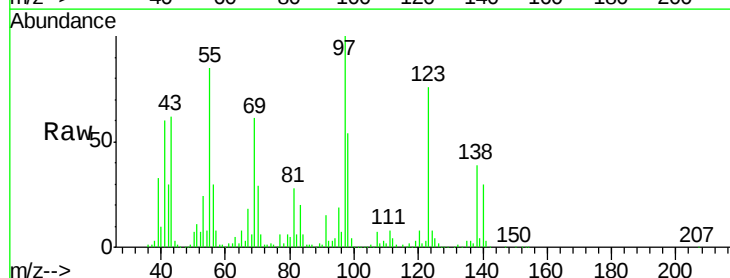
Tgt Ion:117 Resp: 6828

Ion Ratio Lower Upper

117 100

201 0.0 88.1 132.1#

199 0.0 54.9 82.3#



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

20000

15000

10000

5000

0

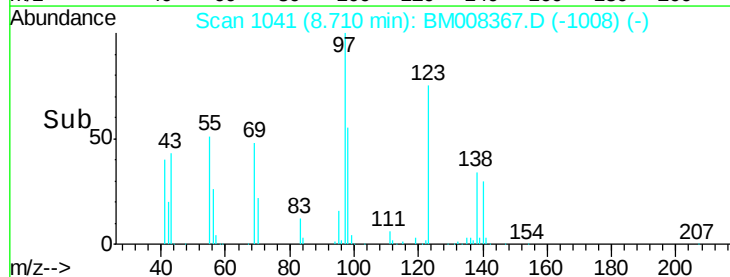
8.66

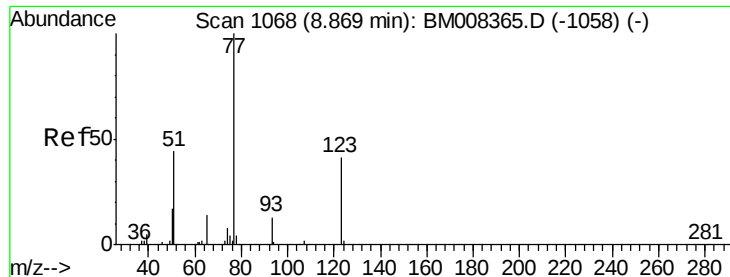
8.68

8.70

8.72

Time-->

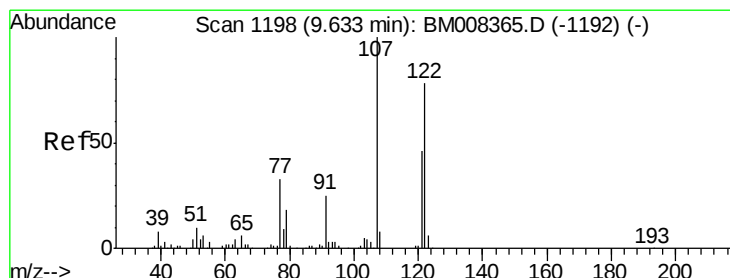
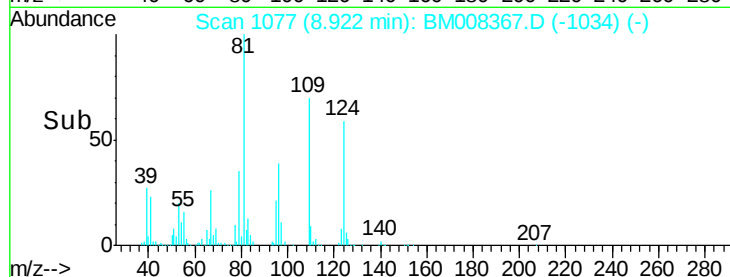
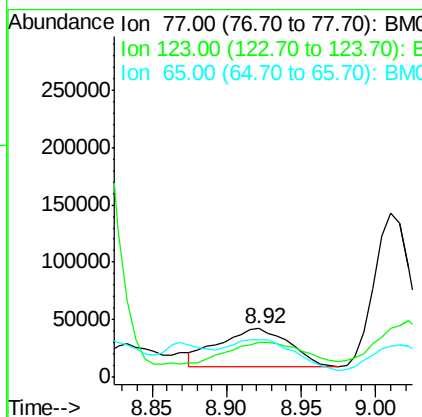
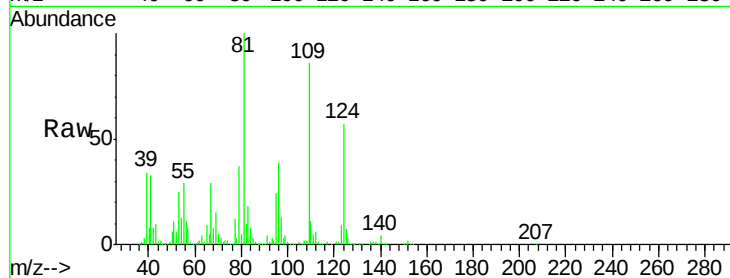




#20
 Nitrobenzene
 Concen: 7.63 ng/ul
 RT: 8.92 min Scan# 1077
 Delta R.T. 0.05 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

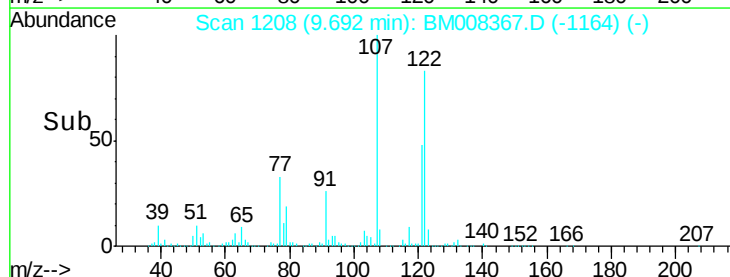
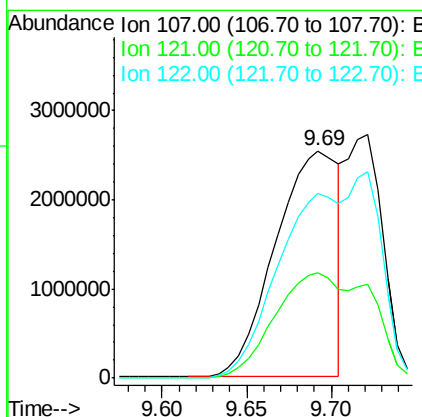
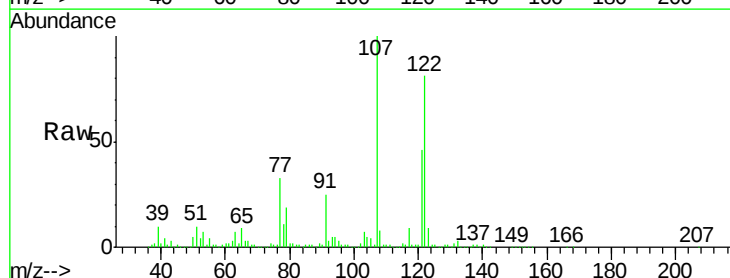
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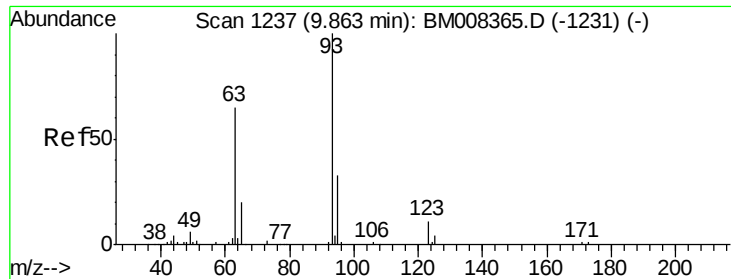
Tgt Ion: 77 Resp: 110959
 Ion Ratio Lower Upper
 77 100
 123 72.8 32.1 48.1#
 65 76.8 10.6 15.8#



#24
 2,4-Dimethylphenol
 Concen: 457.73 ng/ul
 RT: 9.69 min Scan# 1208
 Delta R.T. 0.06 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

Tgt Ion: 107 Resp: 6533610
 Ion Ratio Lower Upper
 107 100
 121 46.1 37.3 55.9
 122 81.5 58.2 87.4

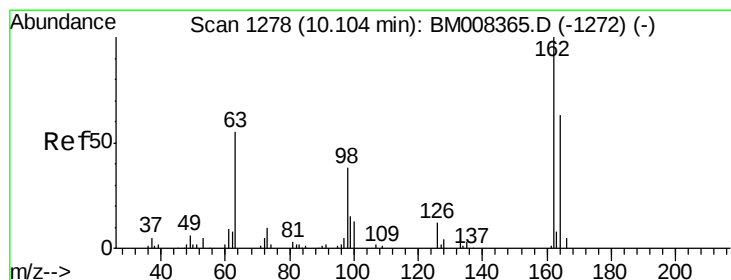
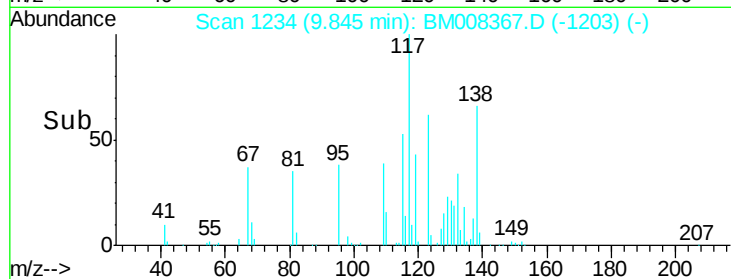
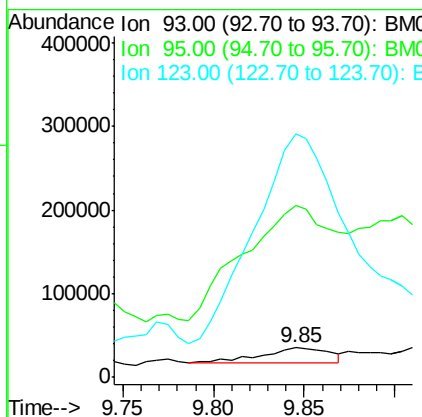
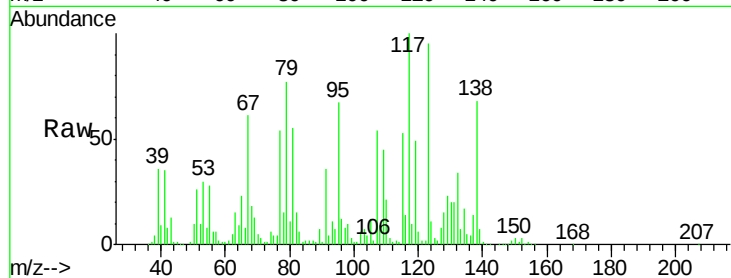




#25
 Bis(2-Chloroethoxy)methane
 Concen: 2.90 ng/ul
 RT: 9.85 min Scan# 1234
 Delta R.T. -0.02 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

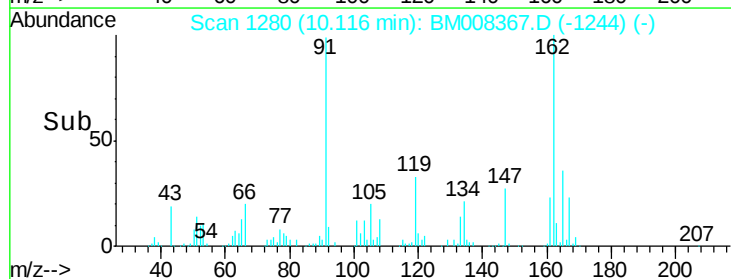
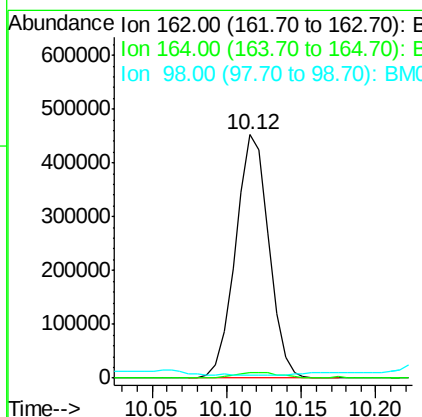
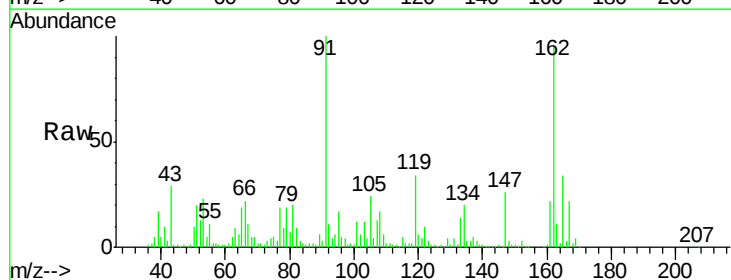
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 DA8T3

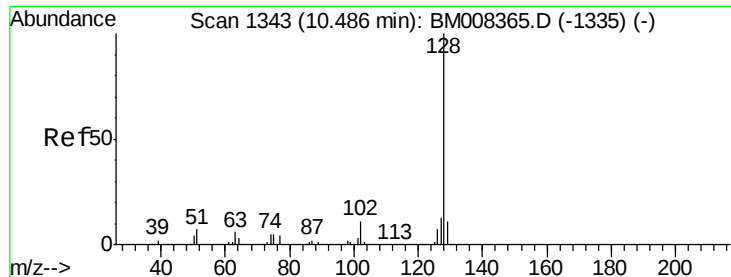
Tgt Ion: 93 Resp: 43086
 Ion Ratio Lower Upper
 93 100
 95 586.9 24.5 36.7#
 123 830.9 8.2 12.2#



#27
 2,4-Dichlorophenol
 Concen: 60.96 ng/ul
 RT: 10.12 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

Tgt Ion: 162 Resp: 703380
 Ion Ratio Lower Upper
 162 100
 164 2.2 50.4 75.6#
 98 1.3 29.1 43.7#

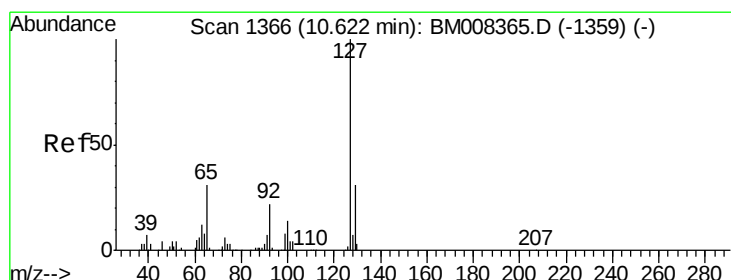
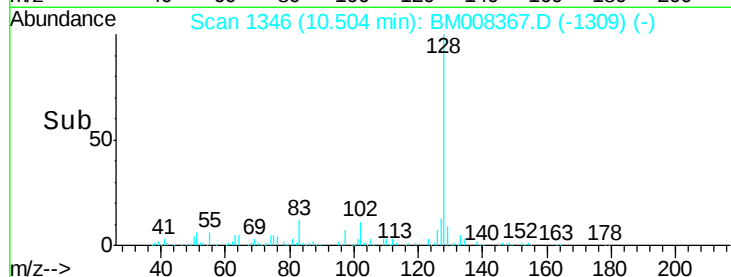
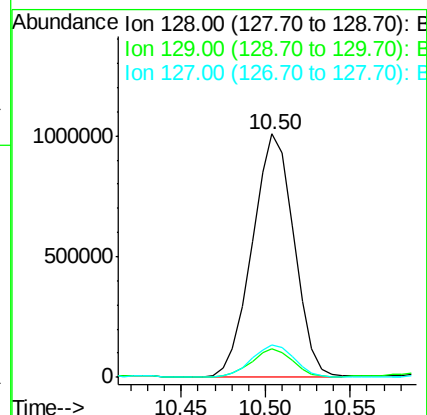
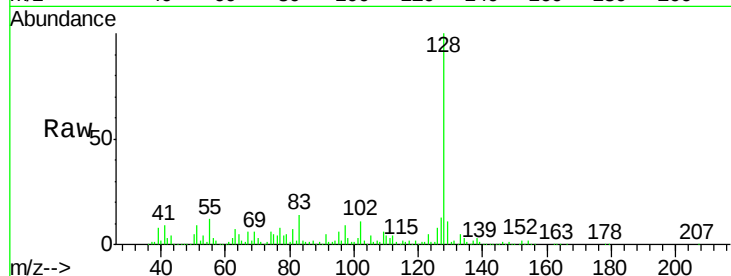




#28
Naphthalene
Concen: 46.93 ng/ul
RT: 10.50 min Scan# 1346
Delta R.T. 0.02 min
Lab File: BM008367.D
Acq: 16 Dec 2016 05:40

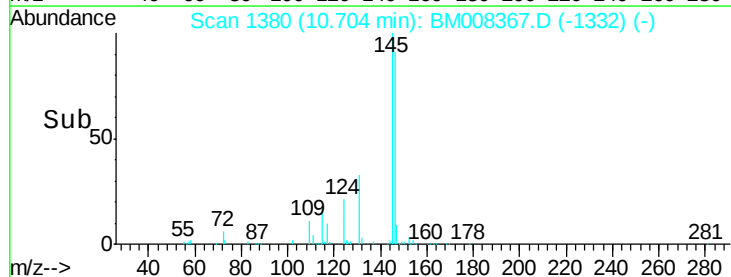
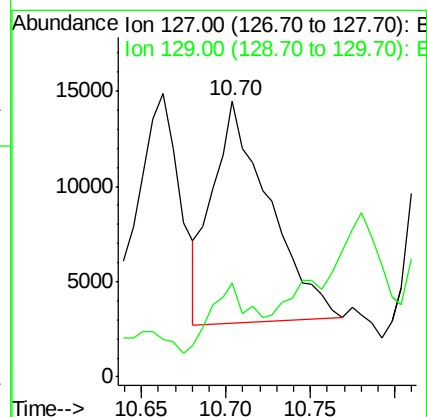
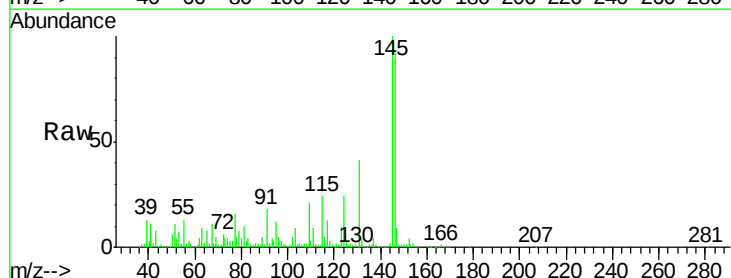
Instrument :
BNA_M
ClientSampleId :
DA8T3

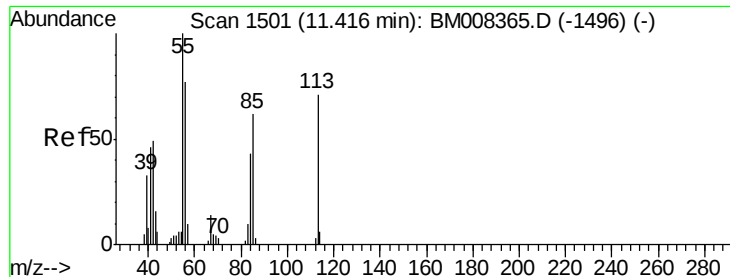
Tgt Ion:128 Resp: 1733185
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 13.4 10.4 15.6



#30
4-Chloroaniline
Concen: 2.05 ng/ul
RT: 10.70 min Scan# 1380
Delta R.T. 0.08 min
Lab File: BM008367.D
Acq: 16 Dec 2016 05:40

Tgt Ion:127 Resp: 27084
Ion Ratio Lower Upper
127 100
129 34.1 26.8 40.2





#32

Caprolactam

Concen: 1.95 ng/ul

RT: 11.43 min Scan# 1504

Delta R.T. 0.02 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

BNA_M

ClientSampleId :

DA8T3

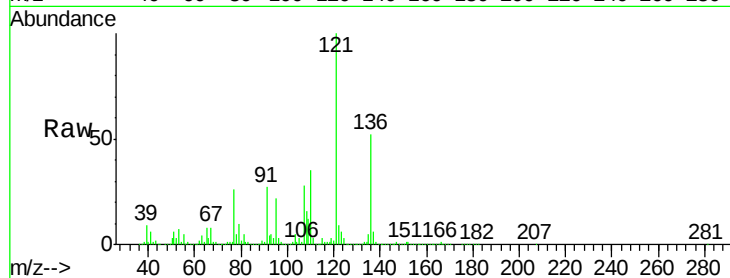
Tgt Ion:113 Resp: 7063

Ion Ratio Lower Upper

113 100

55 1920.3 126.1 189.1#

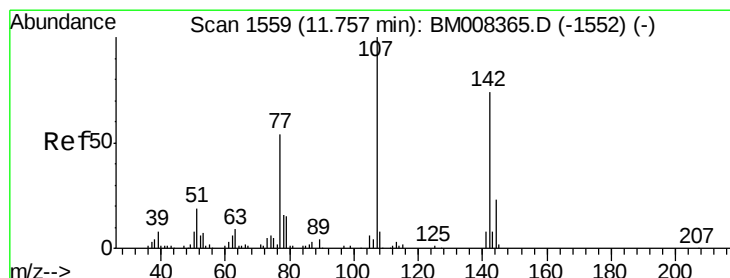
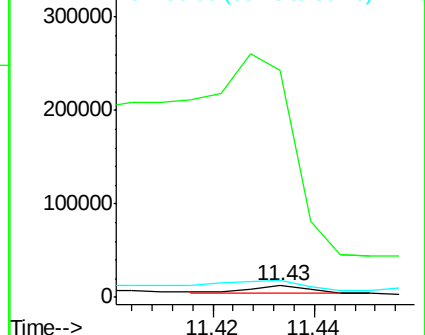
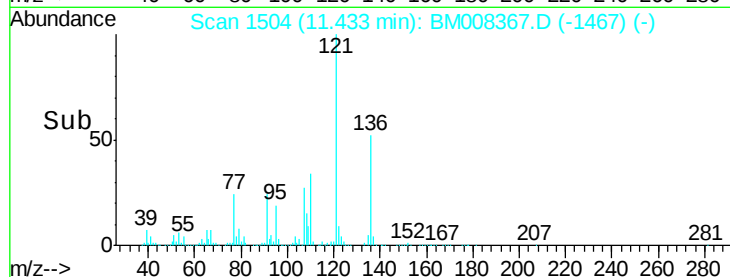
56 144.3 91.3 136.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM



#33

4-Chloro-3-methylphenol

Concen: 13.47 ng/ul

RT: 11.79 min Scan# 1565

Delta R.T. 0.04 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

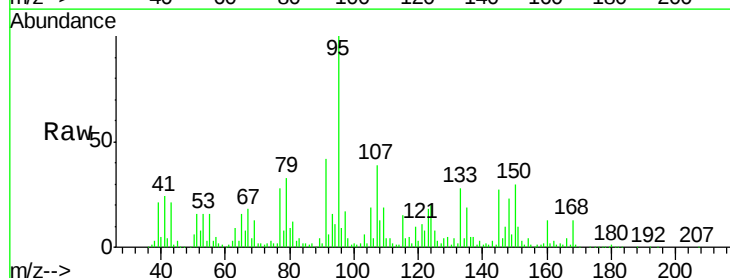
Tgt Ion:107 Resp: 168240

Ion Ratio Lower Upper

107 100

144 3.3 17.9 26.9#

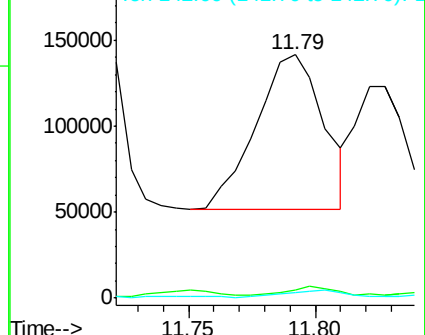
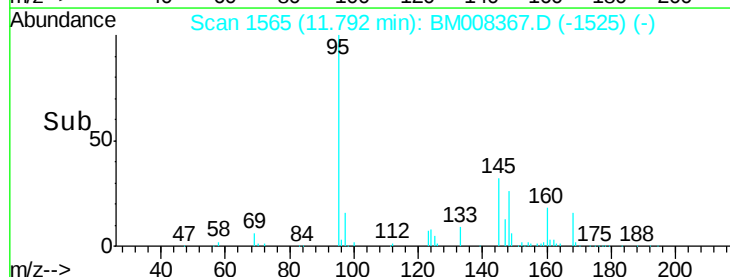
142 2.3 57.0 85.6#

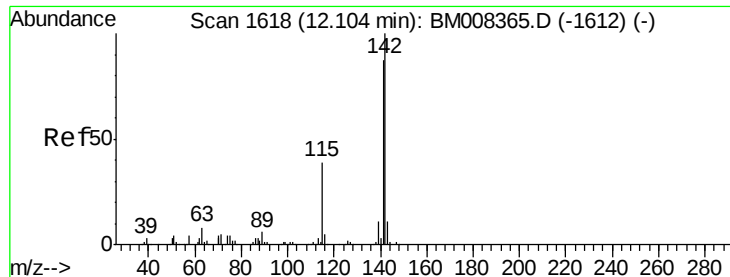


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

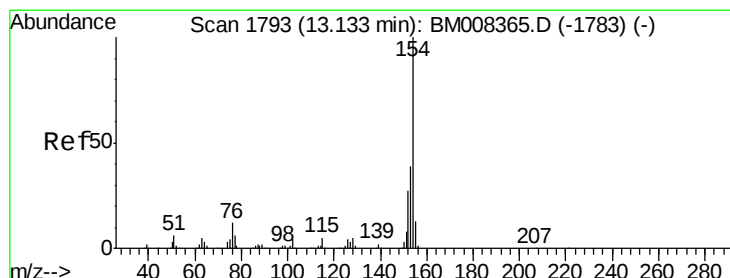
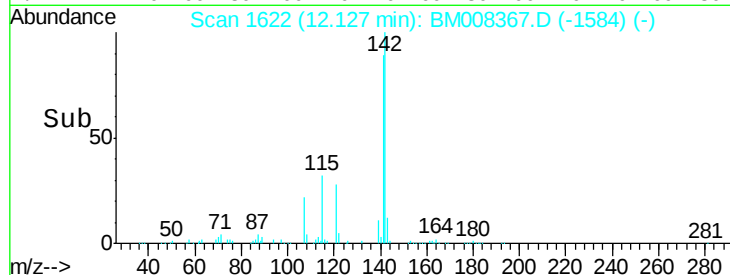
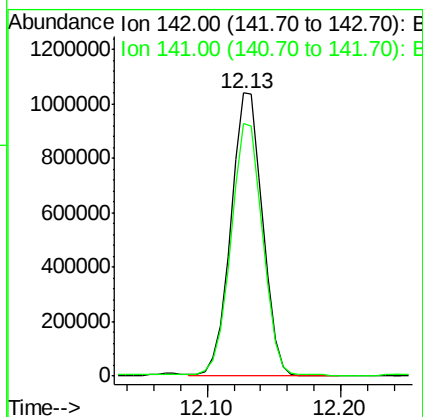
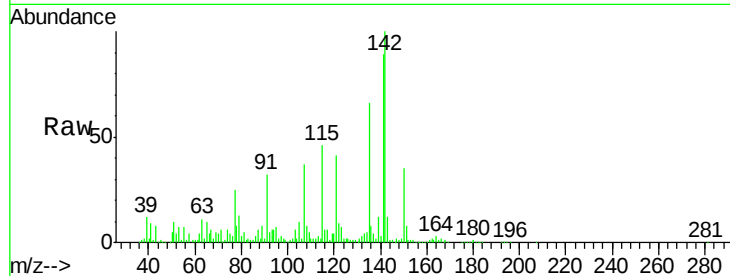




#34
 2-Methylnaphthalene
 Concen: 64.30 ng/ul
 RT: 12.13 min Scan# 1622
 Delta R.T. 0.02 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

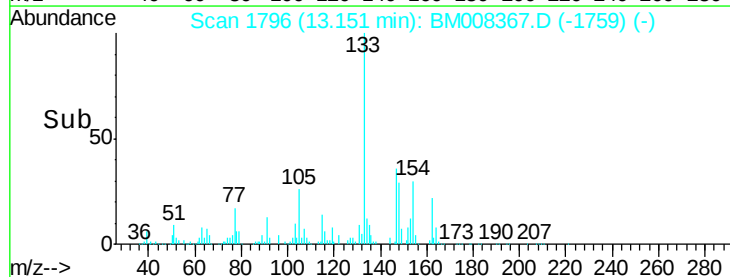
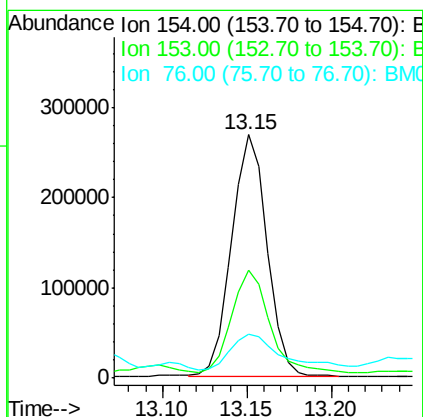
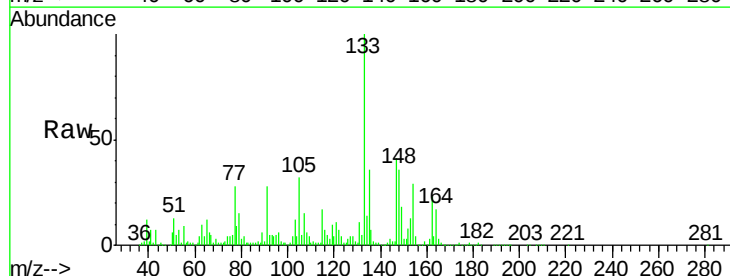
Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

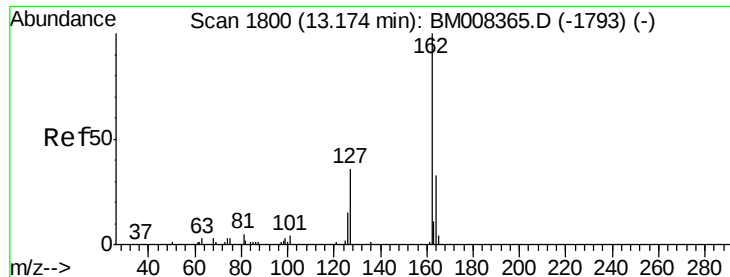
Tgt Ion:142 Resp: 1715862
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.1 106.7



#40
 1,1'-Biphenyl
 Concen: 13.98 ng/ul
 RT: 13.15 min Scan# 1796
 Delta R.T. 0.02 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

Tgt Ion:154 Resp: 391786
 Ion Ratio Lower Upper
 154 100
 153 44.5 32.0 48.0
 76 18.1 9.4 14.0#

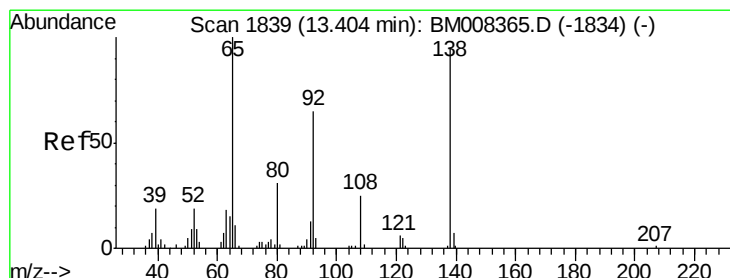
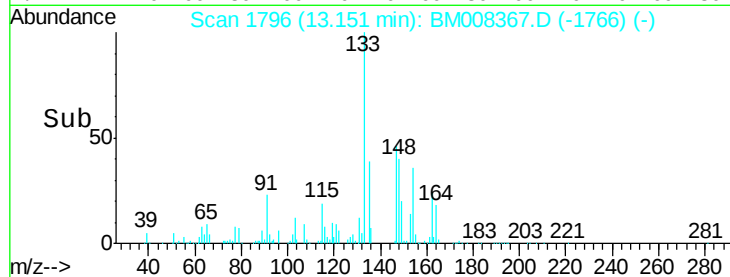
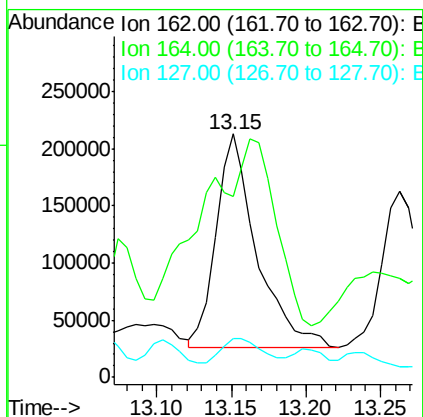
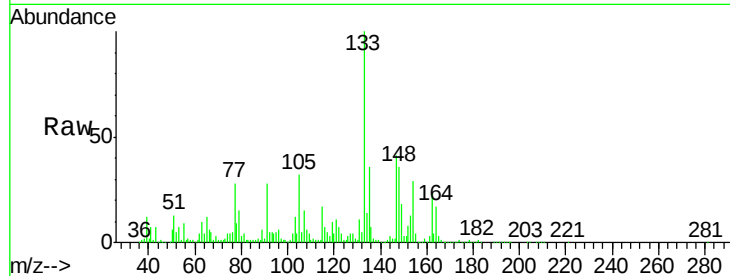




#41
2-Chloronaphthalene
Concen: 16.44 ng/ul
RT: 13.15 min Scan# 1796
Delta R.T. -0.02 min
Lab File: BM008367.D
Acq: 16 Dec 2016 05:40

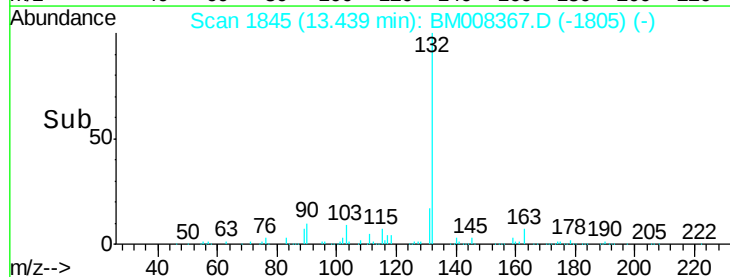
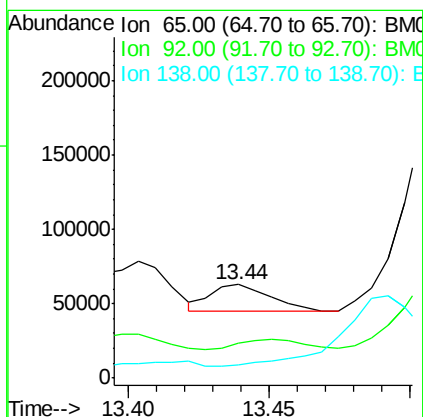
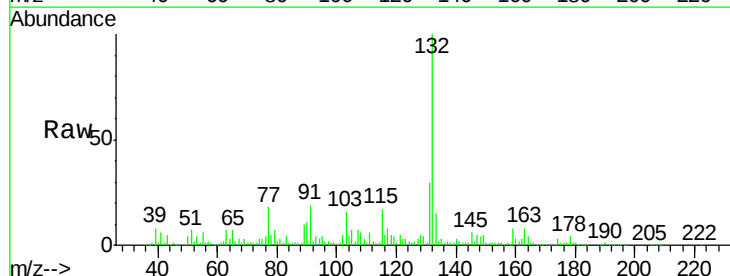
Instrument :
BNA_M
ClientSampleId :
DA8T3

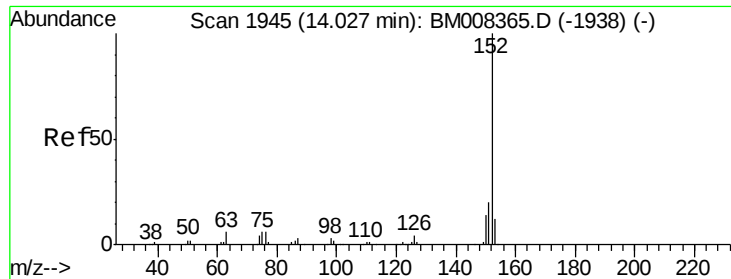
Tgt Ion: 162 Resp: 353384
Ion Ratio Lower Upper
162 100
164 74.5 25.2 37.8#
127 16.0 31.6 47.4#



#42
2-Nitroaniline
Concen: 4.26 ng/ul
RT: 13.44 min Scan# 1845
Delta R.T. 0.04 min
Lab File: BM008367.D
Acq: 16 Dec 2016 05:40

Tgt Ion: 65 Resp: 27071
Ion Ratio Lower Upper
65 100
92 37.3 56.5 84.7#
138 13.6 73.8 110.6#

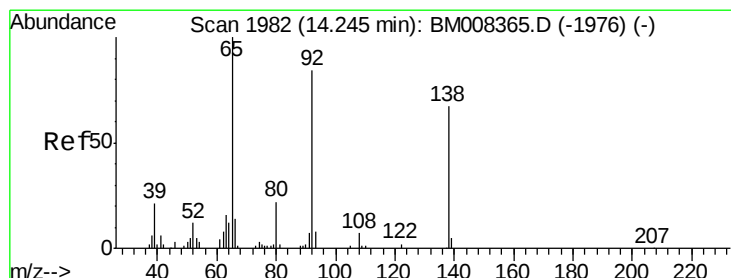
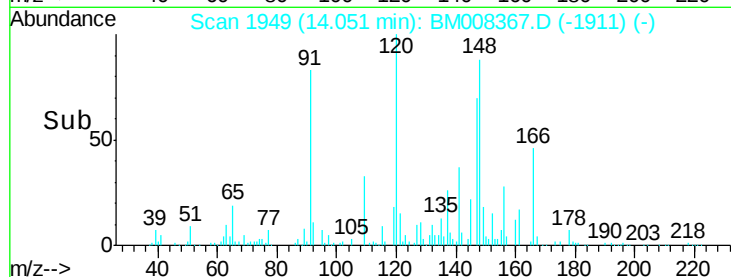
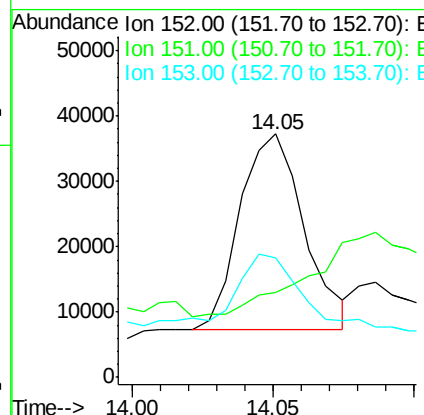
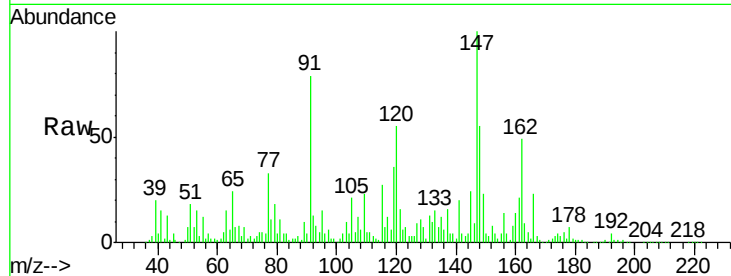




#47
 Acenaphthylene
 Concen: 1.40 ng/ul
 RT: 14.05 min Scan# 1949
 Delta R.T. 0.02 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

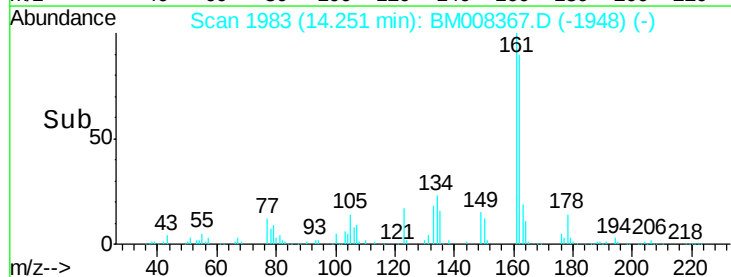
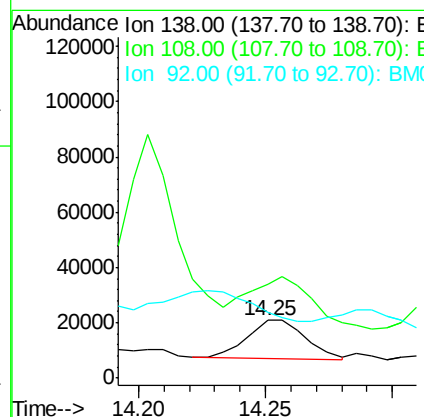
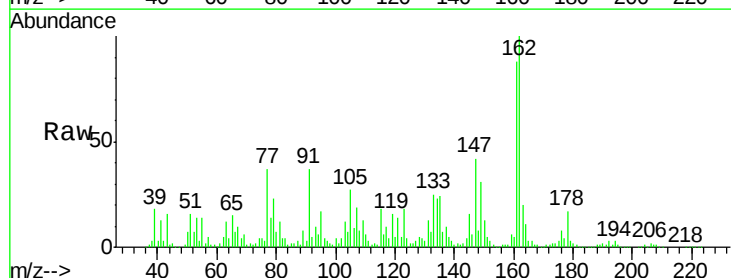
Instrument :
 BNA_M
 ClientSampleId :
 DA8T3

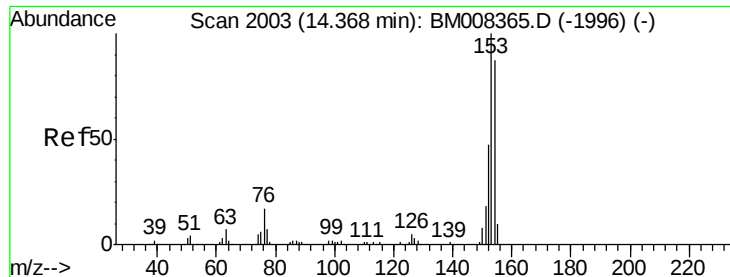
Tgt Ion:152 Resp: 47178
 Ion Ratio Lower Upper
 152 100
 151 35.1 15.3 22.9#
 153 49.0 9.9 14.9#



#48
 3-Nitroaniline
 Concen: 4.26 ng/ul
 RT: 14.25 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: BM008367.D
 Acq: 16 Dec 2016 05:40

Tgt Ion:138 Resp: 22616
 Ion Ratio Lower Upper
 138 100
 108 163.4 9.0 13.6#
 92 113.4 100.6 150.8





#49

Acenaphthene

Concen: 3.78 ng/u1

RT: 14.39 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

BNA_M

ClientSampleId :

DA8T3

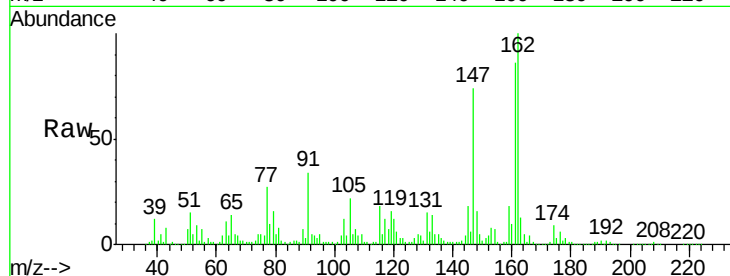
Tgt Ion:153 Resp: 87218

Ion Ratio Lower Upper

153 100

152 48.7 36.6 54.8

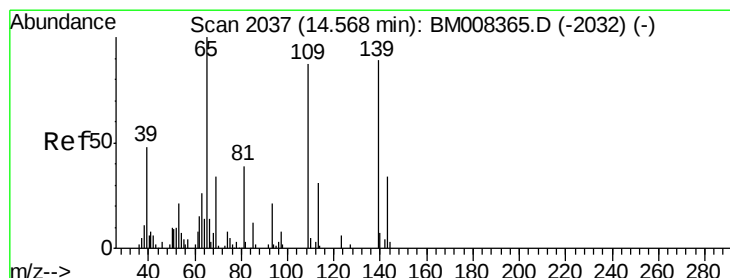
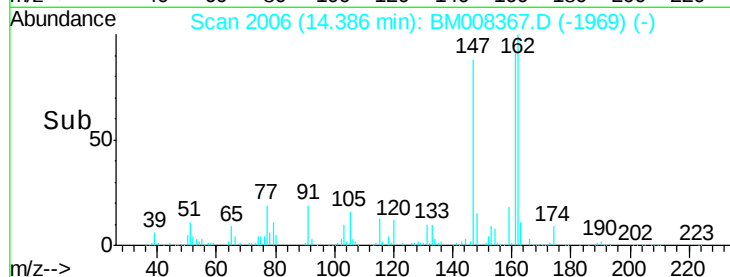
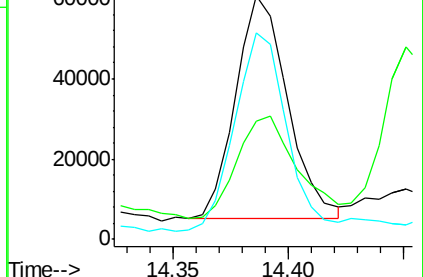
154 84.8 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 4.32 ng/u1

RT: 14.62 min Scan# 2046

Delta R.T. 0.05 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

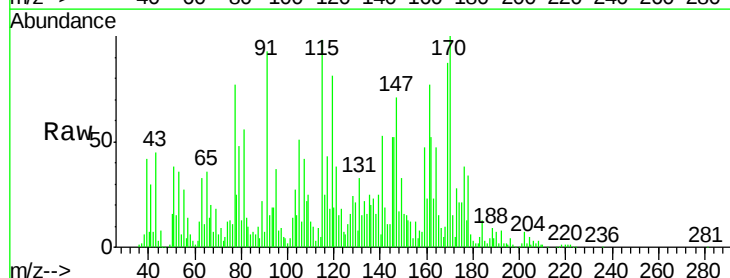
Tgt Ion:109 Resp: 17063

Ion Ratio Lower Upper

109 100

139 101.0 83.3 124.9

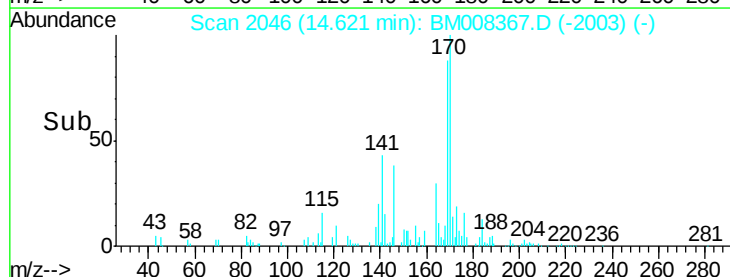
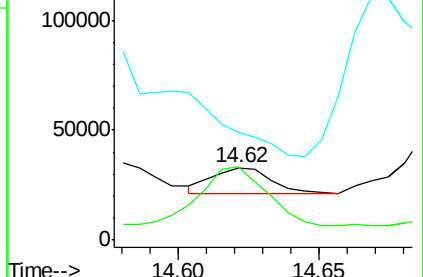
65 148.8 93.0 139.4#

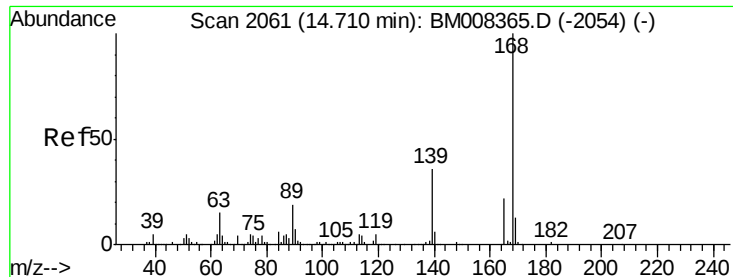


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzenofuran

Concen: 4.89 ng/ul

RT: 14.73 min Scan# 2064

Delta R.T. 0.02 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

Instrument :

BNA_M

ClientSampleId :

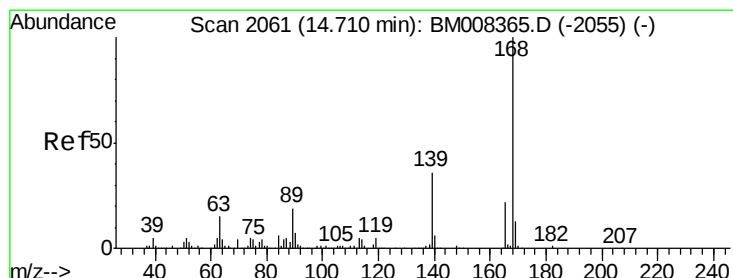
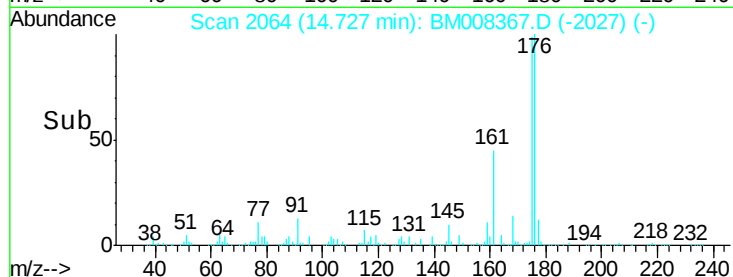
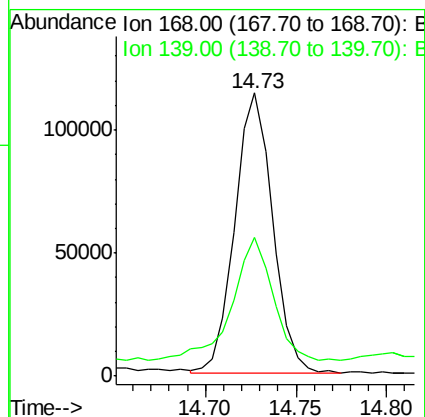
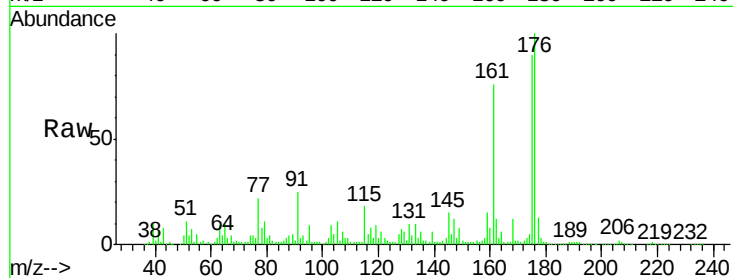
DA8T3

Tgt Ion:168 Resp: 164544

Ion Ratio Lower Upper

168 100

139 48.8 30.5 45.7#



#54

2,4-Dinitrotoluene

Concen: 2.87 ng/ul

RT: 14.72 min Scan# 2063

Delta R.T. 0.01 min

Lab File: BM008367.D

Acq: 16 Dec 2016 05:40

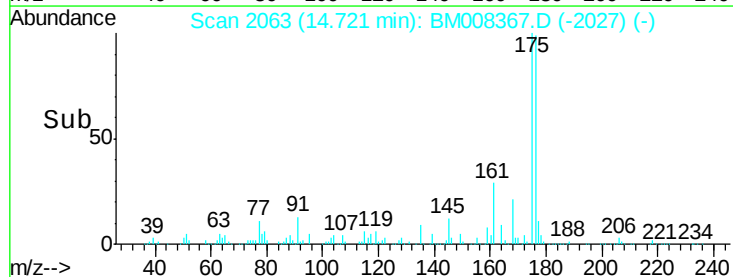
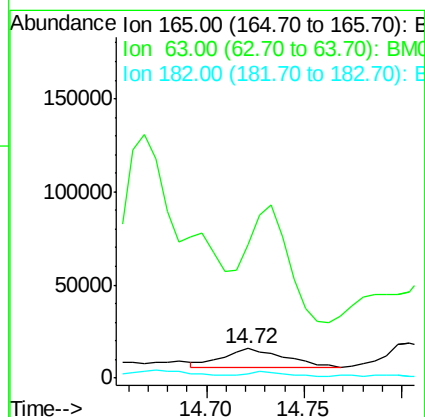
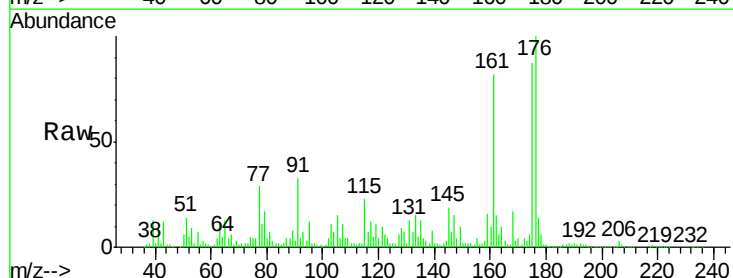
Tgt Ion:165 Resp: 22893

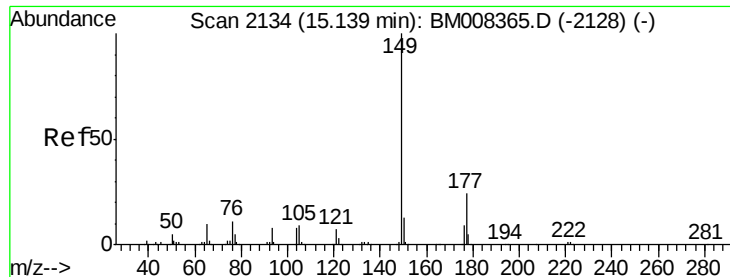
Ion Ratio Lower Upper

165 100

63 452.7 56.8 85.2#

182 16.3 2.3 3.5#

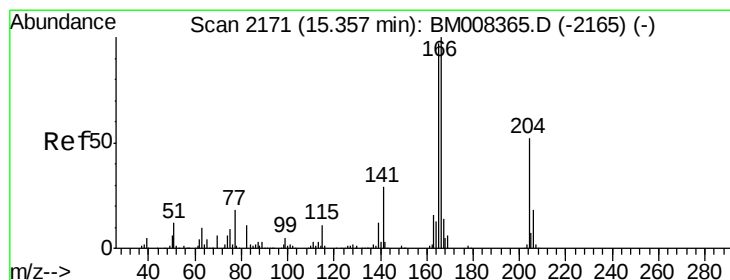
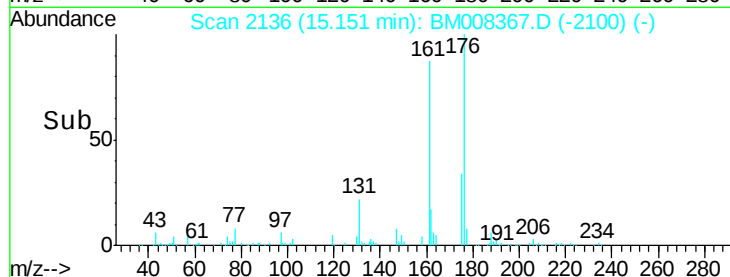
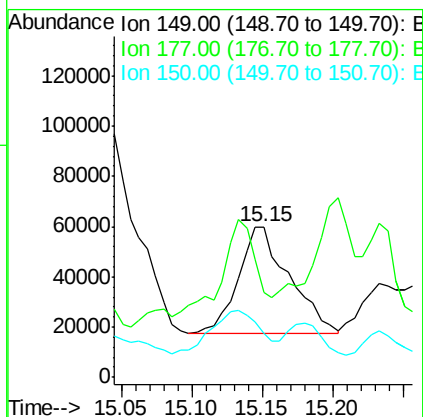
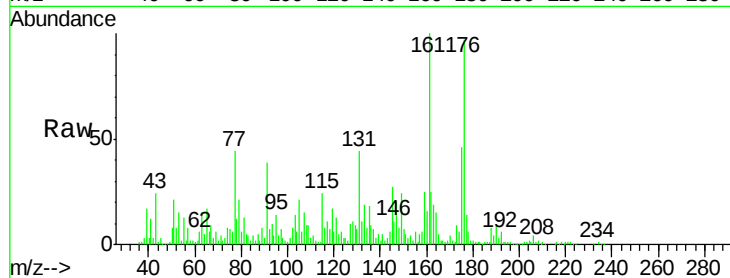




#56
Diethylphthalate
Concen: 3.94 ng/ul
RT: 15.15 min Scan# 2136
Delta R.T. 0.01 min
Lab File: BM008367.D
Acq: 16 Dec 2016 05:40

Instrument :
BNA_M
ClientSampleId :
DA8T3

Tgt Ion:149 Resp: 107411
Ion Ratio Lower Upper
149 100
177 56.8 18.5 27.7#
150 29.2 10.6 15.8#



#58
Fluorene
Concen: 5.14 ng/ul
RT: 15.37 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BM008367.D
Acq: 16 Dec 2016 05:40

Tgt Ion:166 Resp: 142182
Ion Ratio Lower Upper
166 100
165 110.2 79.3 118.9
167 16.5 10.7 16.1#

