

Data Path : Z:\HPCHEM1\BNA_M\Data\BM032317\
 Data File : BM009373.D
 Acq On : 24 Mar 2017 10:56
 Operator : SJ/MA
 Sample : I2358-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BJ8

Quant Time: Mar 24 11:33:53 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032317MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 24 04:55:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	3065	20.00	ng/ul	-0.05
18) Naphthalene-d8	10.55	136	5587	20.00	ng/ul	-0.11
35) Acenaphthene-d10	14.50	164	306803	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	676749	20.00	ng/ul	0.00
77) Chrysene-d12	21.42	240	875367	20.00	ng/ul	0.00
85) Perylene-d12	23.74	264	841097	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.33	96	21466	266.89	ng/uL	0.00
5) Phenol-d5	6.95	99	881	3.18	ng/ul	-0.06
7) Bis-(2-Chloroethyl)ether-d	7.22	67	312026	1579.02	ng/ul	0.03
9) 2-Chlorophenol-d4	7.40	132	243601	1305.24	ng/ul	0.01
13) 4-Methylphenol-d8	8.56	113	173366	837.85	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	162291	3951.52	ng/ul	0.01
22) 2-Nitrophenol-d4	9.67	143	1766	39.65	ng/ul	-0.07
26) 2,4-Dichlorophenol-d3	10.27	165	305131	3482.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	423420	4194.42	ng/ul	-0.22
43) Dimethylphthalate-d6	13.90	166	1017206	47.14	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1258607	46.50	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	30051	7.55	ng/ul	0.00
57) Fluorene-d10	15.49	176	889579	44.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	155689	36.40	ng/ul	0.00
70) Anthracene-d10	17.34	188	1373167	42.54	ng/ul	0.00
78) Pyrene-d10	19.64	212	1571872	42.36	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.60	264	1616717	41.74	ng/ul	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	251	2.79	ng/uL#	1
6) Phenol	6.85	94	1968	6.64	ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.22	93	503	2.18	ng/ul#	1
11) 2-Methylphenol	8.32	108	1170896	5707.27	ng/ul	87
12) 2,2'-oxybis(1-Chloropropan	8.32	45	735	1.96	ng/ul#	1
15) N-Nitroso-di-n-propylamine	8.64	70	405	1.99	ng/ul#	43
17) Hexachloroethane	8.91	117	675	7.04	ng/ul#	7
20) Nitrobenzene	9.08	77	1813259	13095.84	ng/ul#	81
21) Isophorone	9.36	82	4851	21.07	ng/ul#	1
23) 2-Nitrophenol	9.57	139	1488	31.59	ng/ul#	61
24) 2,4-Dimethylphenol	9.67	107	595	5.11	ng/ul#	14
25) Bis(2-Chloroethoxy)methane	9.78	93	11441	85.74	ng/ul#	65
27) 2,4-Dichlorophenol	10.32	162	310	3.53	ng/ul#	1
28) Naphthalene	10.52	128	12365	43.73	ng/ul#	77
30) 4-Chloroaniline	10.72	127	1585	14.90	ng/ul	91
32) Caprolactam	11.48	113	32768	1210.20	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.96	107	319	3.23	ng/ul#	1
34) 2-Methylnaphthalene	12.32	142	334	1.64	ng/ul#	5
36) 1,2,4,5-Tetrachlorobenzene	12.68	216	613309	59.50	ng/ul	98
45) 2,6-Dinitrotoluene	13.91	165	6174	1.48	ng/ul#	58
52) 4-Nitrophenol	14.70	109	16778	3.60	ng/ul#	70
72) 1,2,3,4-Tetrachlorobenzene	13.30	216	1791381	180.05	ng/uL	99
73) Pentachlorobenzene	14.81	250	12803	1.30	ng/uL	95

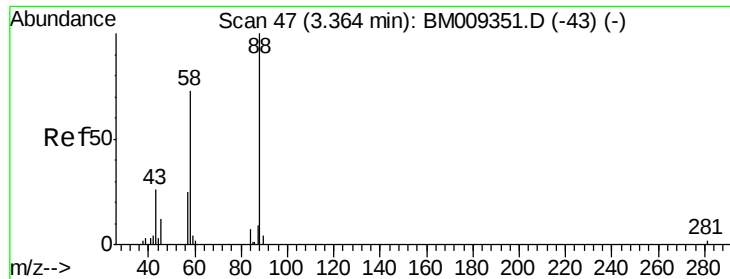
Data Path : Z:\HPCHEM1\BNA_M\Data\BM032317\
Data File : BM009373.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

1,4-Dioxane

Concen: 2.79 ng/uL

RT: 3.34 min Scan# 43

Delta R.T. -0.02 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

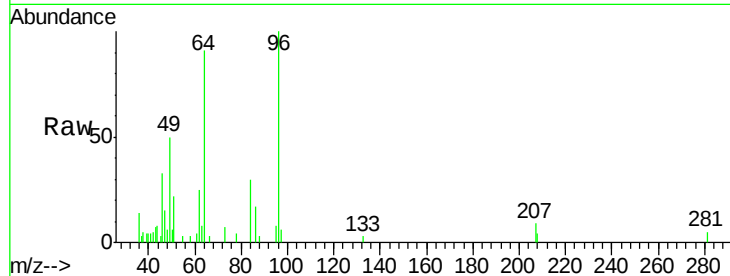
Instrument :

BNA_M

ClientSampleId :

C0BJ8

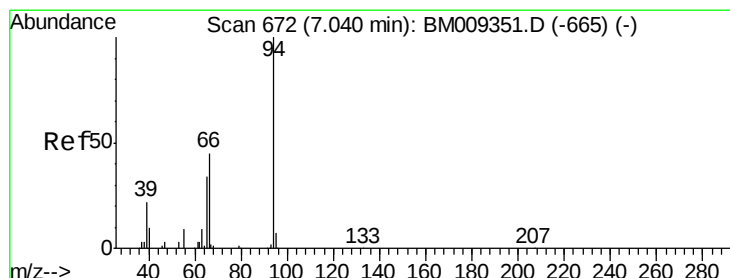
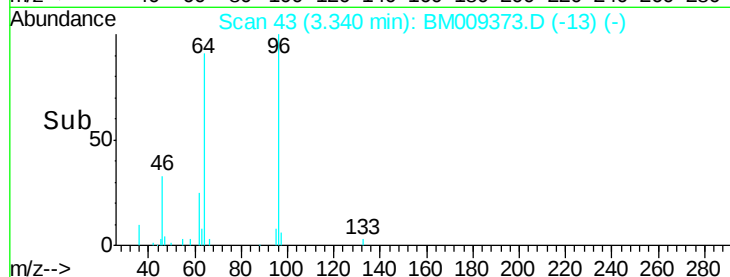
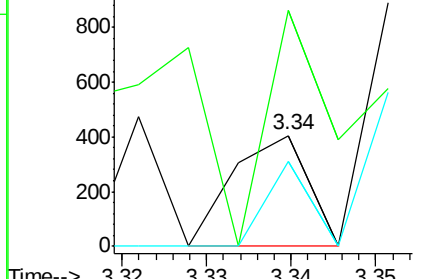
Tgt Ion:	88	Resp:	251
Ion	Ratio	Lower	Upper
88	100		
43	176.5	21.0	31.6#
58	43.4	47.8	71.8#



Abundance Ion 88.00 (87.70 to 88.70): BM009351.D (-43) (-)

Ion 43.00 (42.70 to 43.70): BM009351.D (-43) (-)

Ion 58.00 (57.70 to 58.70): BM009351.D (-43) (-)



#6

Phenol

Concen: 6.64 ng/uL

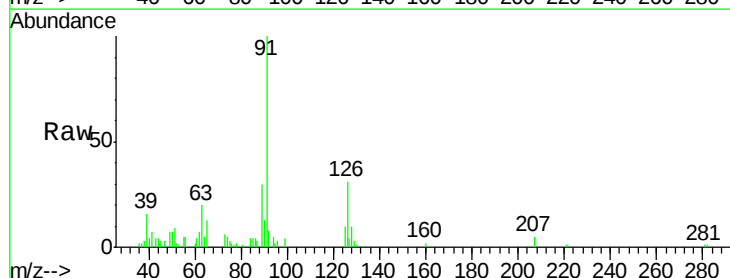
RT: 6.85 min Scan# 640

Delta R.T. -0.19 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

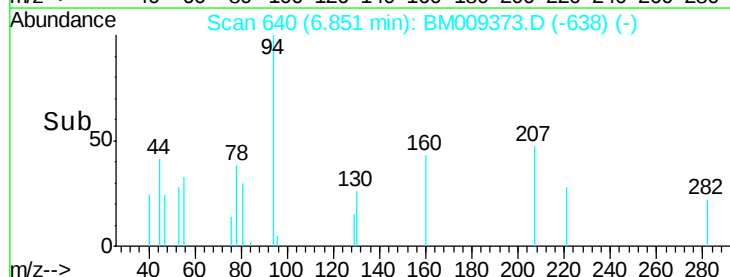
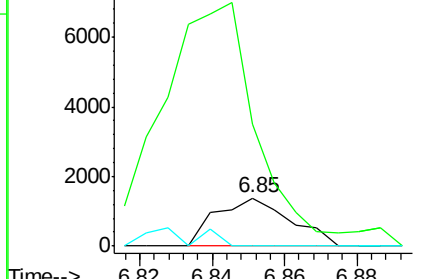
Tgt Ion:	94	Resp:	1968
Ion	Ratio	Lower	Upper
94	100		
65	254.7	21.0	31.6#
66	0.0	29.3	43.9#

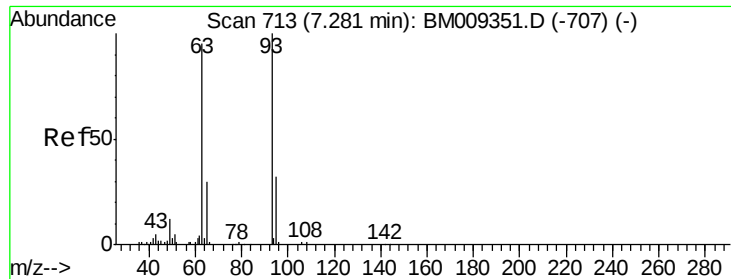


Abundance Ion 94.00 (93.70 to 94.70): BM009351.D (-665) (-)

Ion 65.00 (64.70 to 65.70): BM009351.D (-665) (-)

Ion 66.00 (65.70 to 66.70): BM009351.D (-665) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 2.18 ng/ul

RT: 7.22 min Scan# 702

Delta R.T. -0.07 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

Instrument :

BNA_M

ClientSampleId :

C0BJ8

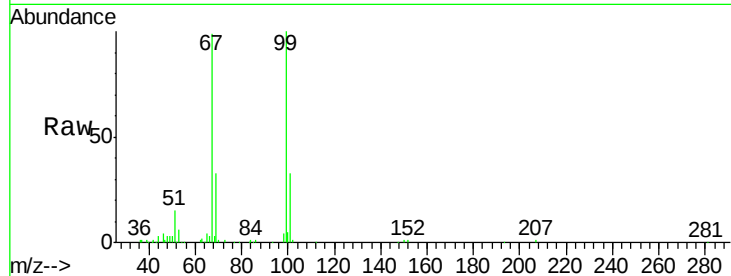
Tgt Ion: 93 Resp: 503

Ion Ratio Lower Upper

93 100

63 525.0 53.5 80.3#

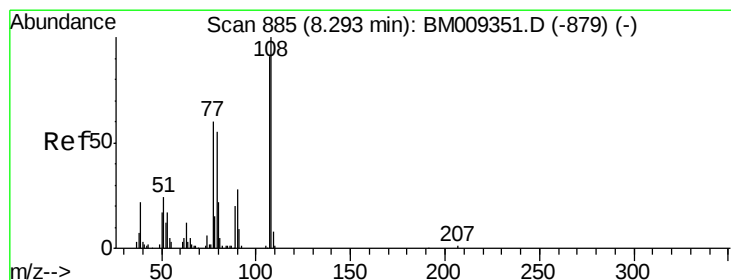
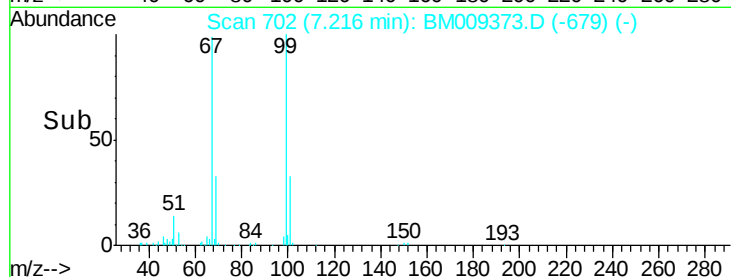
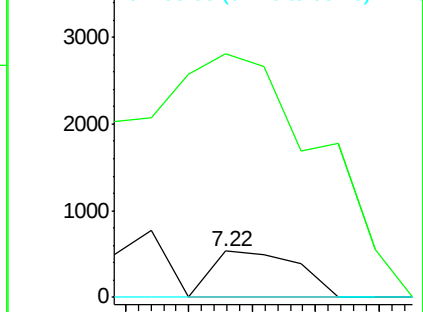
95 0.0 26.2 39.2#



Abundance Ion 93.00 (92.70 to 93.70): BM009351.D (-707) (-)

Ion 63.00 (62.70 to 63.70): BM009351.D (-707) (-)

Ion 95.00 (94.70 to 95.70): BM009351.D (-707) (-)



#11

2-Methylphenol

Concen: 5707.27 ng/ul

RT: 8.32 min Scan# 889

Delta R.T. 0.02 min

Lab File: BM009373.D

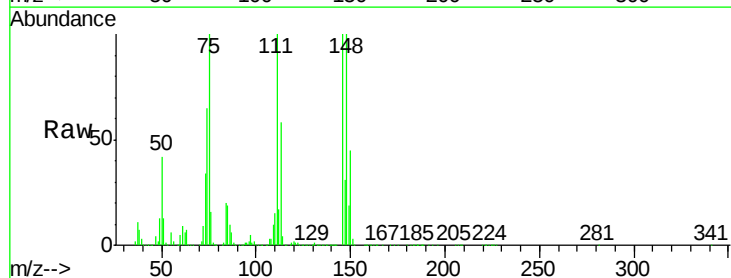
Acq: 24 Mar 2017 10:56

Tgt Ion:108 Resp: 1170896

Ion Ratio Lower Upper

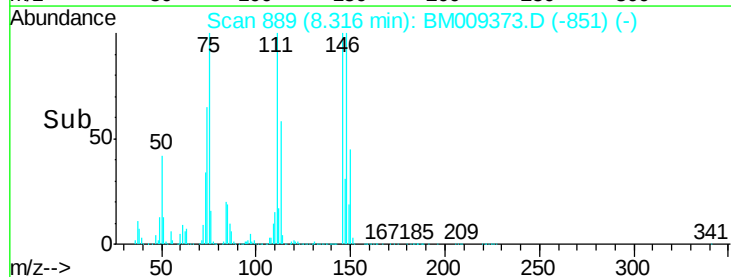
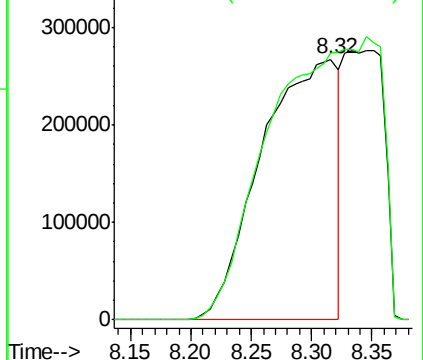
108 100

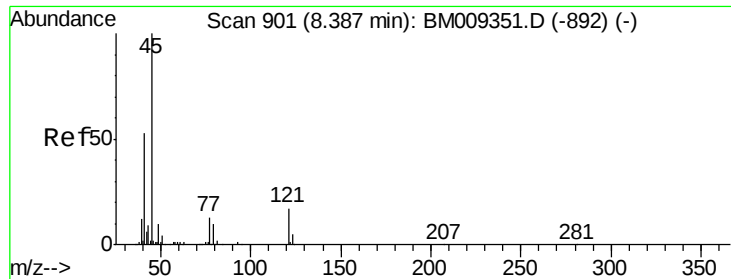
107 102.4 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): BM009351.D (-879) (-)

Ion 107.00 (106.70 to 107.70): BM009351.D (-879) (-)

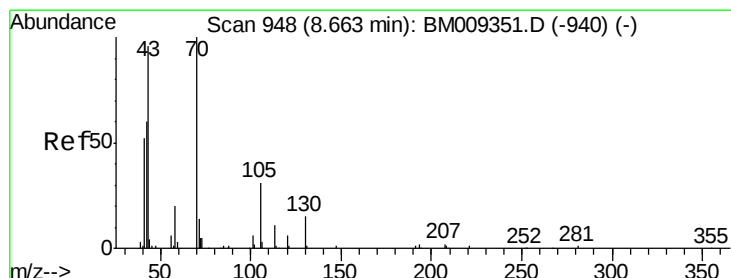
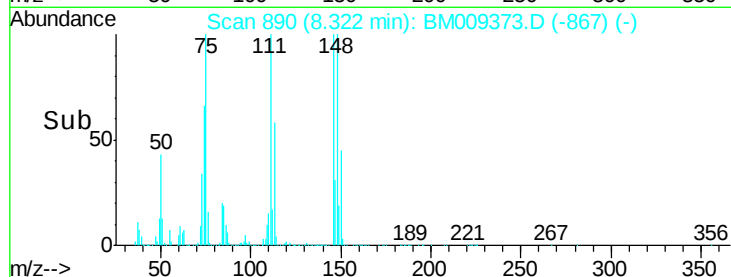
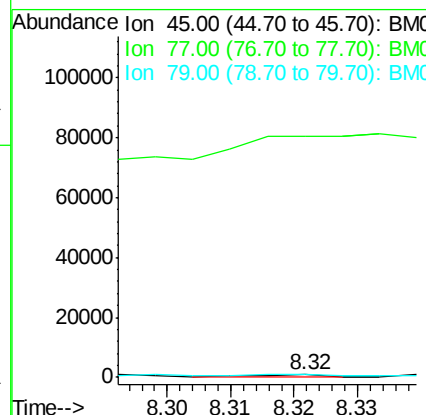
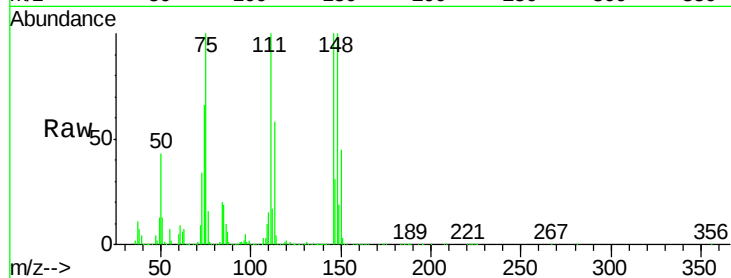




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 1.96 ng/ul
 RT: 8.32 min Scan# 890
 Delta R.T. -0.07 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

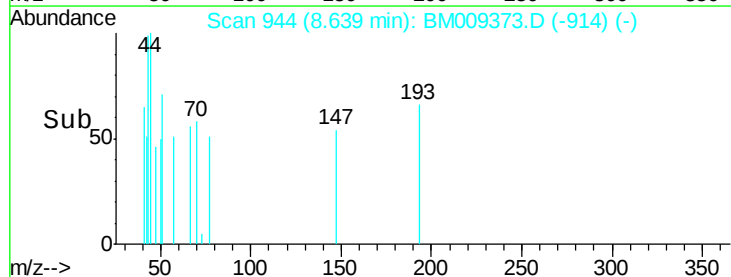
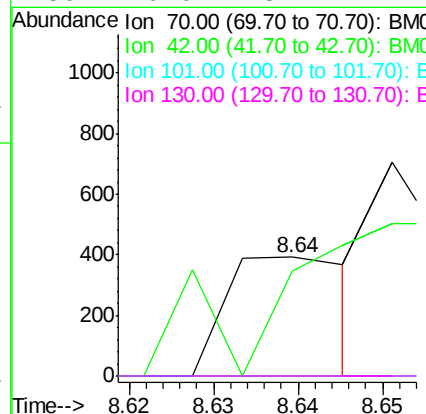
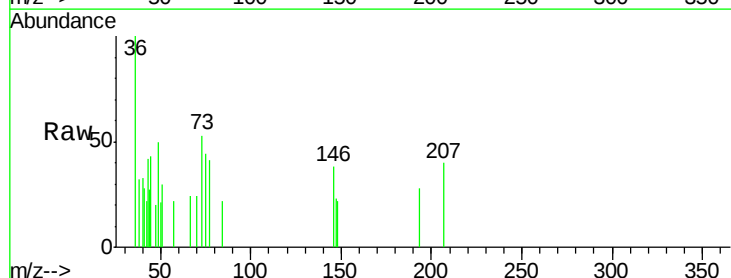
Instrument :
 BNA_M
 ClientSampleId :
 C0BJ8

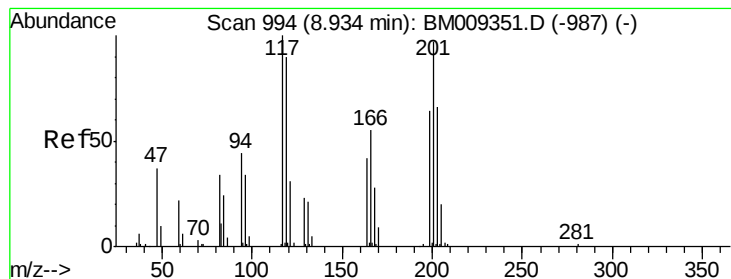
Tgt Ion: 45 Resp: 735
 Ion Ratio Lower Upper
 45 100
 77 8368.0 15.9 23.9#
 79 86.2 12.5 18.7#



#15
 N-Nitroso-di-n-propylamine
 Concen: 1.99 ng/ul
 RT: 8.64 min Scan# 944
 Delta R.T. -0.02 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

Tgt Ion: 70 Resp: 405
 Ion Ratio Lower Upper
 70 100
 42 89.0 35.4 53.0#
 101 0.0 8.4 12.6#
 130 0.0 18.2 27.4#





#17

Hexachloroethane

Concen: 7.04 ng/ul

RT: 8.91 min Scan# 990

Delta R.T. -0.02 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

Instrument :

BNA_M

ClientSampled :

C0BJ8

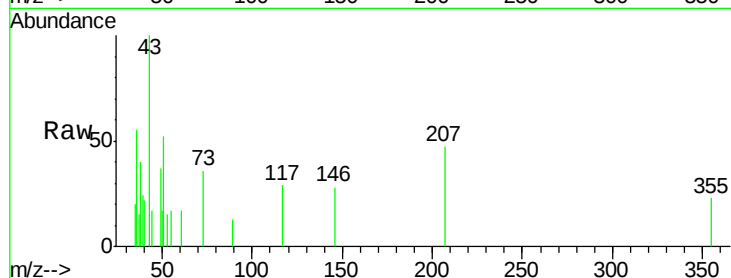
Tgt Ion:117 Resp: 675

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

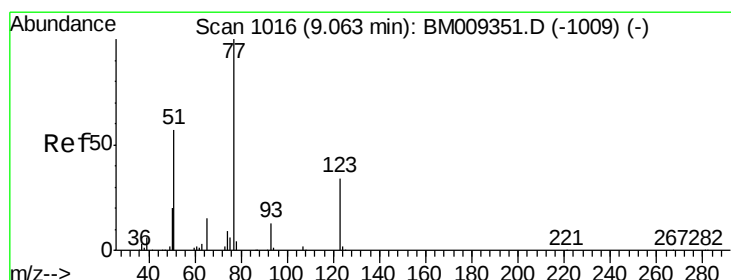
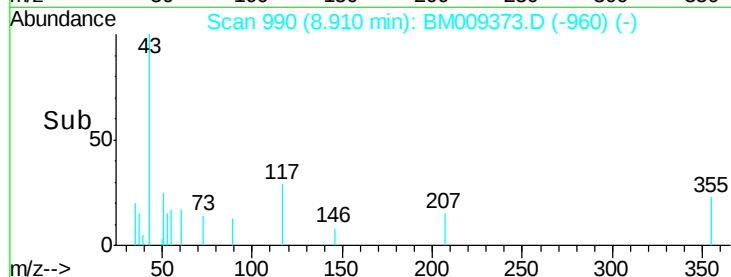
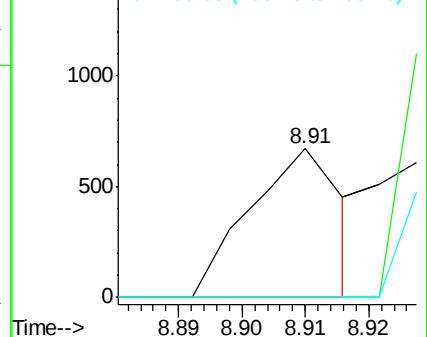
199 0.0 50.6 76.0#



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: 13095.84 ng/ul

RT: 9.08 min Scan# 1019

Delta R.T. 0.02 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

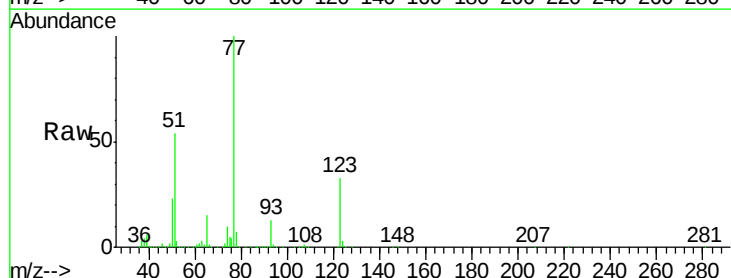
Tgt Ion: 77 Resp: 1813259

Ion Ratio Lower Upper

77 100

123 33.1 39.0 58.4#

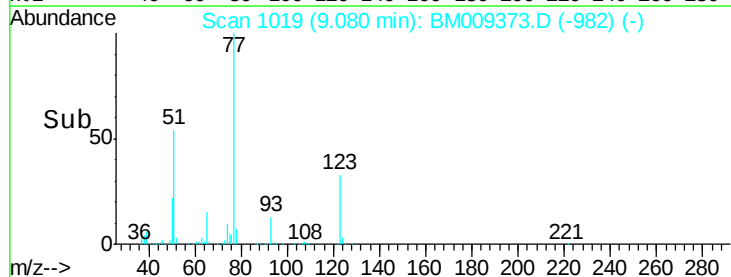
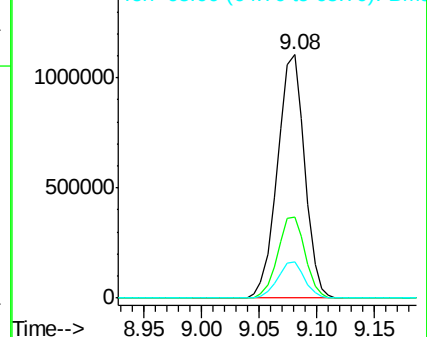
65 14.8 10.4 15.6

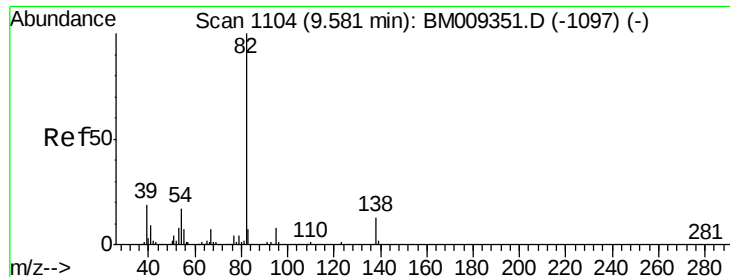


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM





#21

Isophorone

Concen: 21.07 ng/ul

RT: 9.36 min Scan# 1066

Delta R.T. -0.22 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

Instrument :

BNA_M

ClientSampleId :

C0BJ8

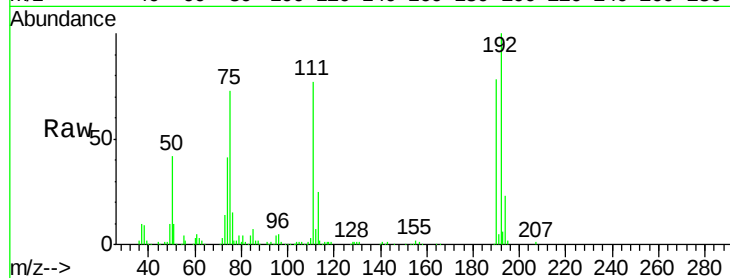
Tgt Ion: 82 Resp: 4851

Ion Ratio Lower Upper

82 100

95 306.1 6.4 9.6#

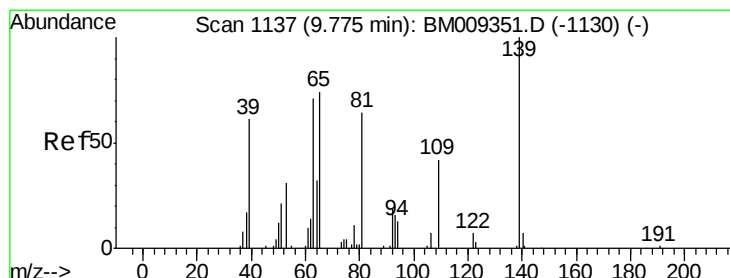
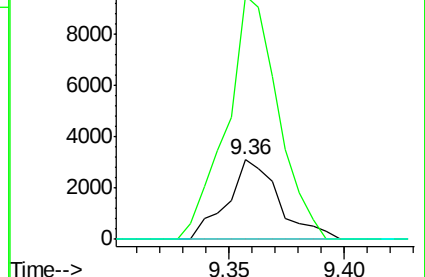
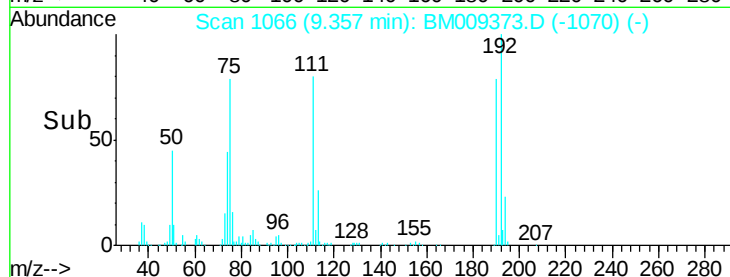
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BM009373.D (-1066) (-)

Ion 95.00 (94.70 to 95.70): BM009373.D (-1066) (-)

Ion 138.00 (137.70 to 138.70): BM009373.D (-1066) (-)



#23

2-Nitrophenol

Concen: 31.59 ng/ul

RT: 9.57 min Scan# 1103

Delta R.T. -0.20 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

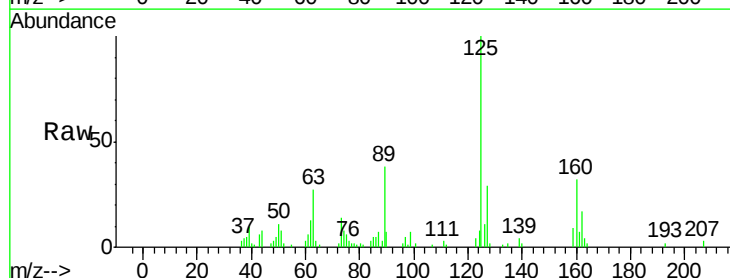
Tgt Ion: 139 Resp: 1488

Ion Ratio Lower Upper

139 100

65 29.2 36.3 54.5#

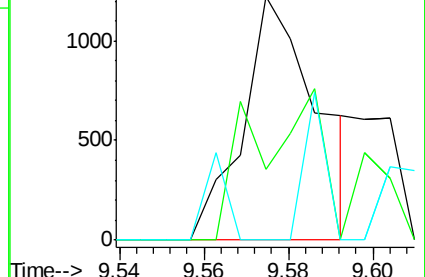
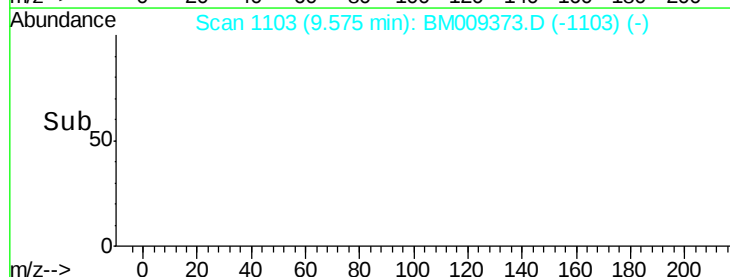
109 0.0 26.4 39.6#

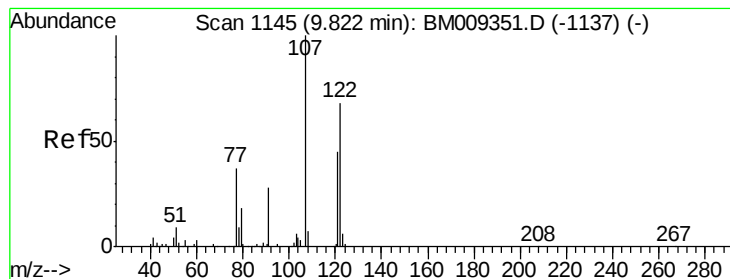


Abundance Ion 139.00 (138.70 to 139.70): BM009373.D (-1103) (-)

Ion 65.00 (64.70 to 65.70): BM009373.D (-1103) (-)

Ion 109.00 (108.70 to 109.70): BM009373.D (-1103) (-)





#24

2,4-Dimethylphenol

Concen: 5.11 ng/ul

RT: 9.67 min Scan# 1120

Delta R.T. -0.15 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

Instrument :

BNA_M

ClientSampleId :

C0BJ8

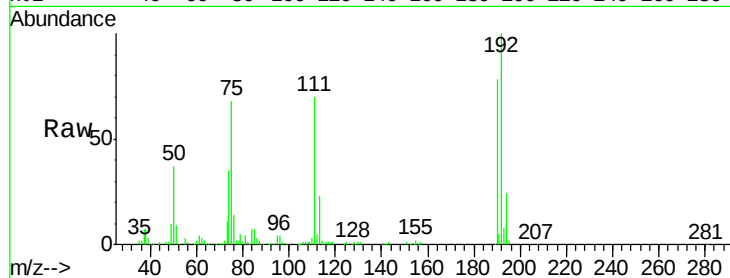
Tgt Ion: 107 Resp: 595

Ion Ratio Lower Upper

107 100

121 0.0 40.6 61.0#

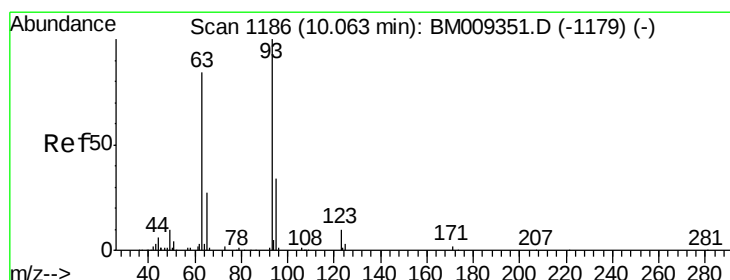
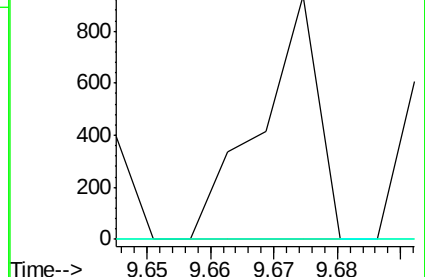
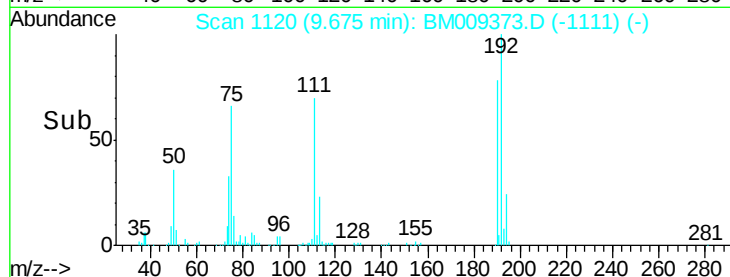
122 0.0 67.8 101.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 85.74 ng/ul

RT: 9.78 min Scan# 1138

Delta R.T. -0.28 min

Lab File: BM009373.D

Acq: 24 Mar 2017 10:56

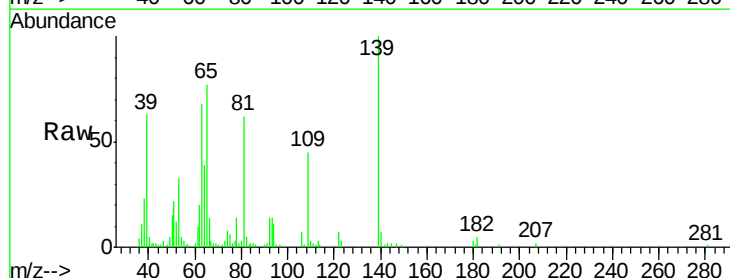
Tgt Ion: 93 Resp: 11441

Ion Ratio Lower Upper

93 100

95 9.3 25.8 38.8#

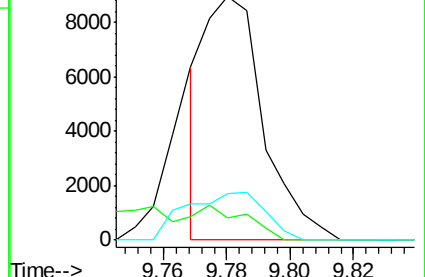
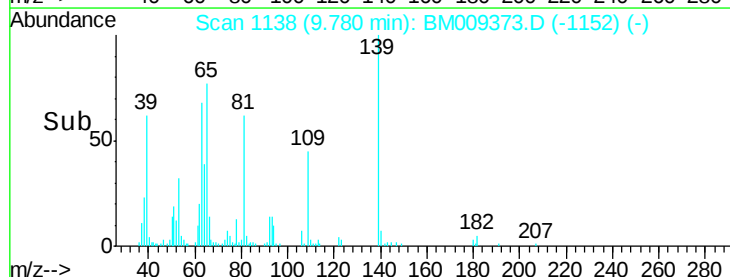
123 19.3 9.8 14.8#

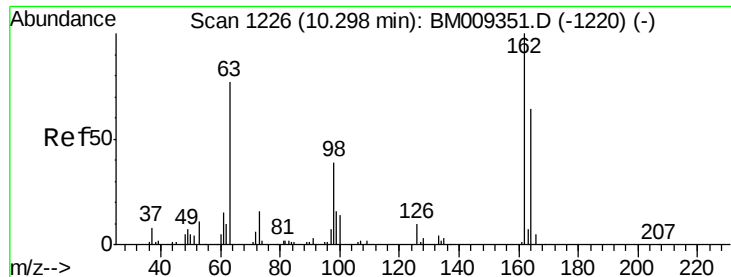


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

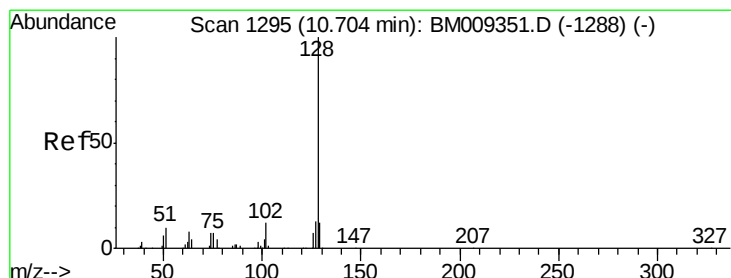
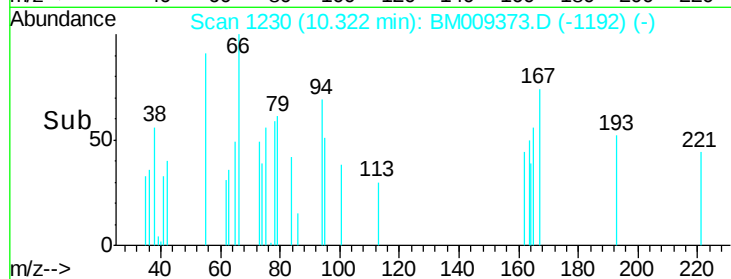
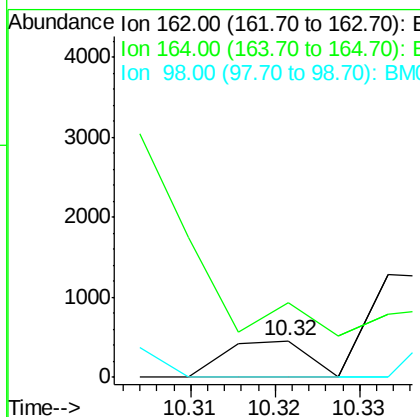
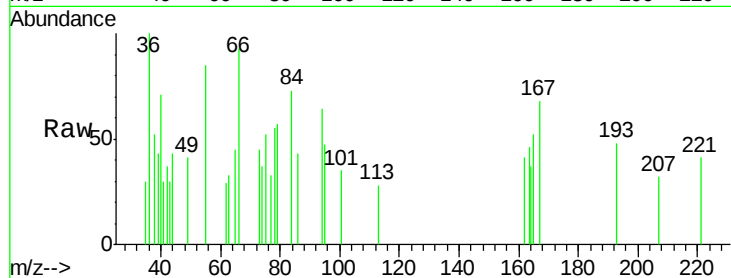




#27
 2,4-Dichlorophenol
 Concen: 3.53 ng/ul
 RT: 10.32 min Scan# 1230
 Delta R.T. 0.02 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

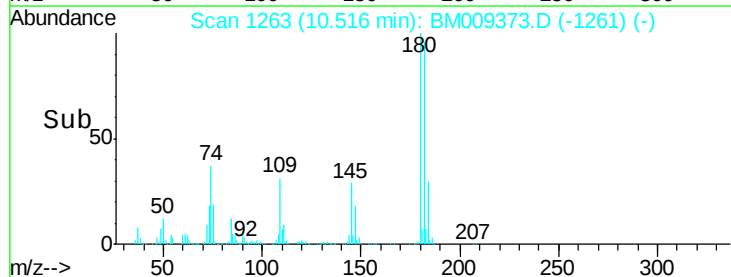
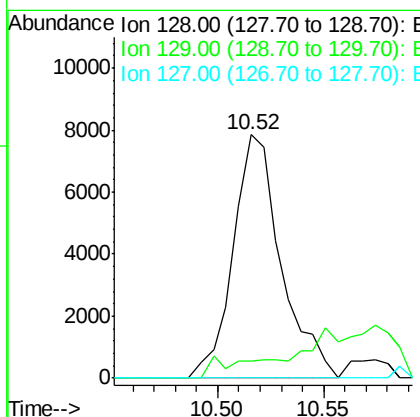
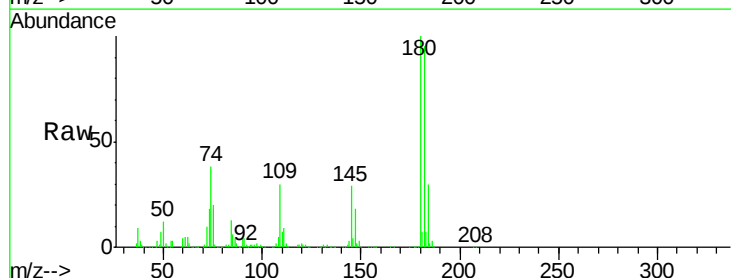
Instrument :
 BNA_M
 ClientSampleID :
 C0BJ8

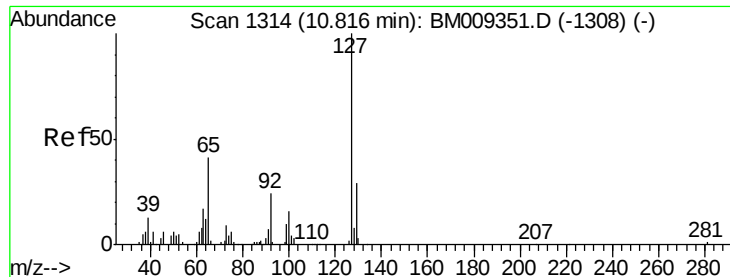
Tgt Ion:162 Resp: 310
 Ion Ratio Lower Upper
 162 100
 164 204.3 52.1 78.1#
 98 0.0 28.4 42.6#



#28
 Naphthalene
 Concen: 43.73 ng/ul
 RT: 10.52 min Scan# 1263
 Delta R.T. -0.19 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

Tgt Ion:128 Resp: 12365
 Ion Ratio Lower Upper
 128 100
 129 7.1 8.8 13.2#
 127 0.0 10.5 15.7#

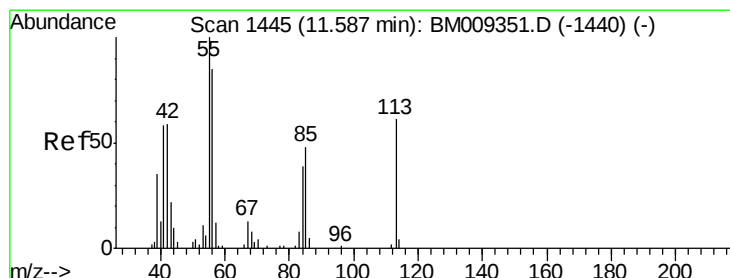
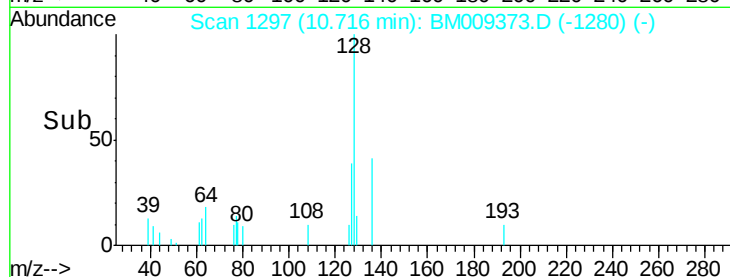
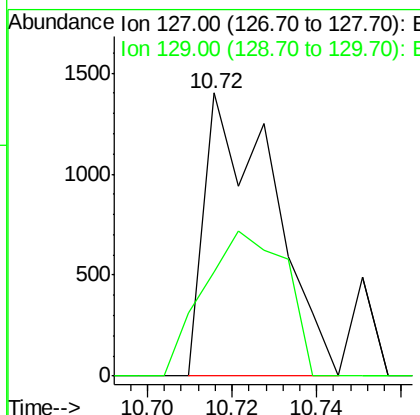
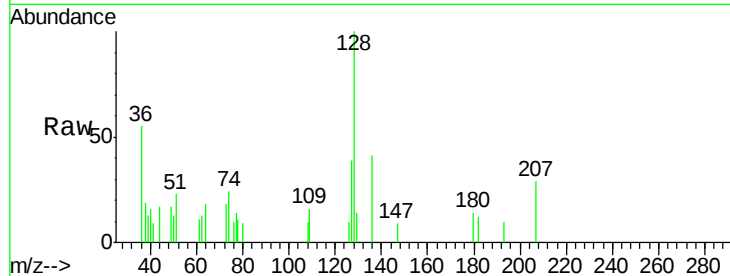




#30
4-Chloroaniline
Concen: 14.90 ng/ul
RT: 10.72 min Scan# 1297
Delta R.T. -0.10 min
Lab File: BM009373.D
Acq: 24 Mar 2017 10:56

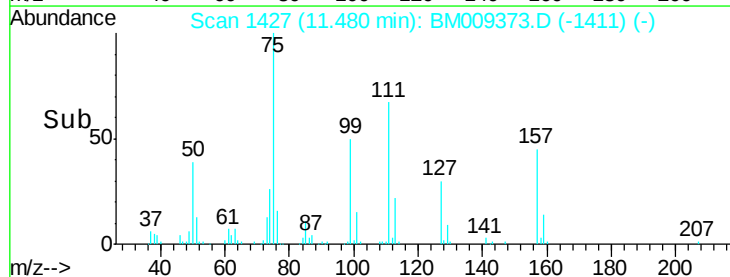
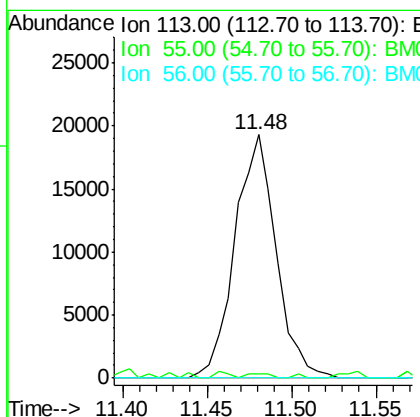
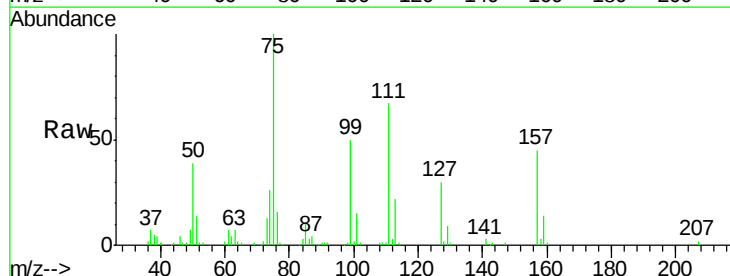
Instrument :
BNA_M
ClientSampleId :
C0BJ8

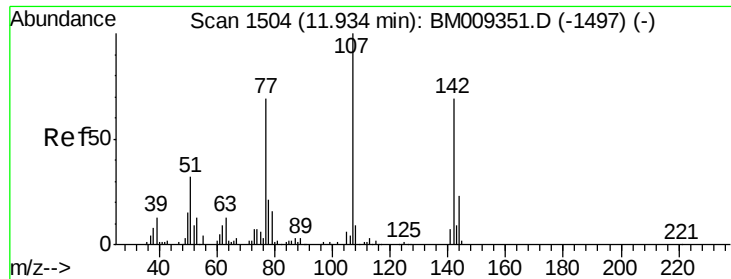
Tgt Ion:127 Resp: 1585
Ion Ratio Lower Upper
127 100
129 36.7 25.4 38.2



#32
Caprolactam
Concen: 1210.20 ng/ul
RT: 11.48 min Scan# 1427
Delta R.T. -0.11 min
Lab File: BM009373.D
Acq: 24 Mar 2017 10:56

Tgt Ion:113 Resp: 32768
Ion Ratio Lower Upper
113 100
55 1.6 101.9 152.9#
56 0.0 81.2 121.8#

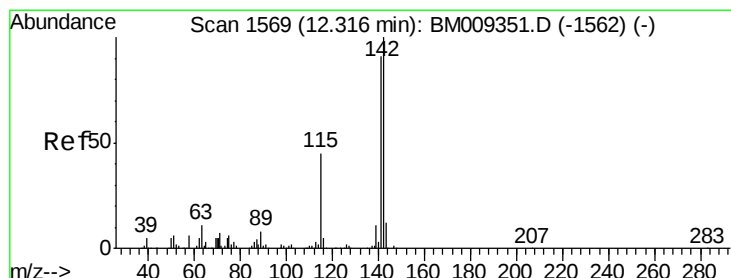
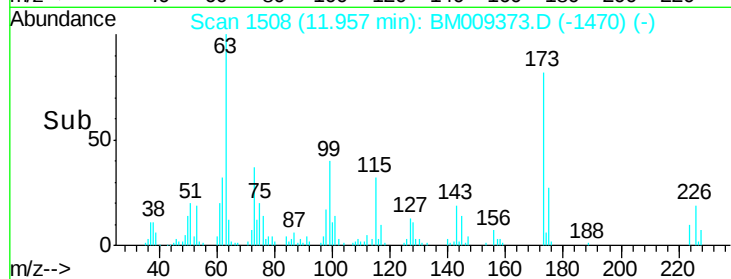
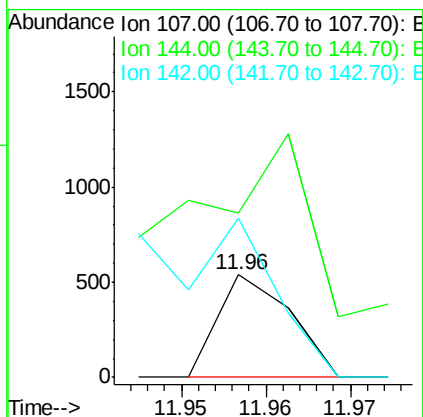
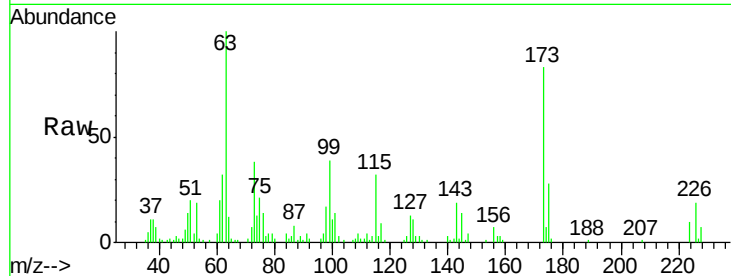




#33
4-Chloro-3-methylphenol
Concen: 3.23 ng/ul
RT: 11.96 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BM009373.D
Acq: 24 Mar 2017 10:56

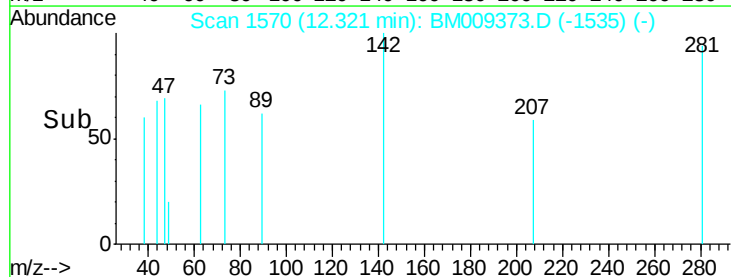
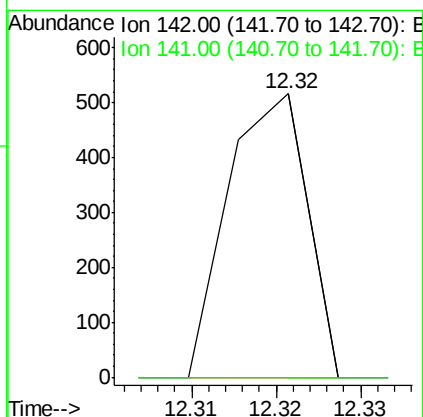
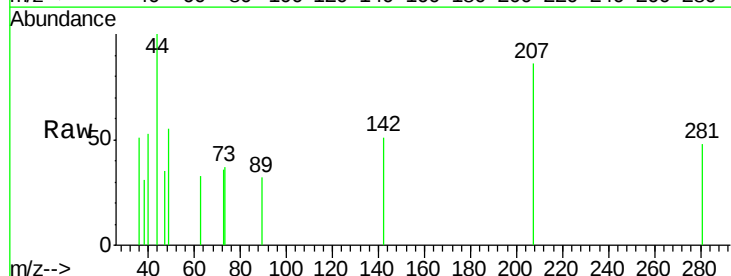
Instrument :
BNA_M
ClientSampleId :
C0BJ8

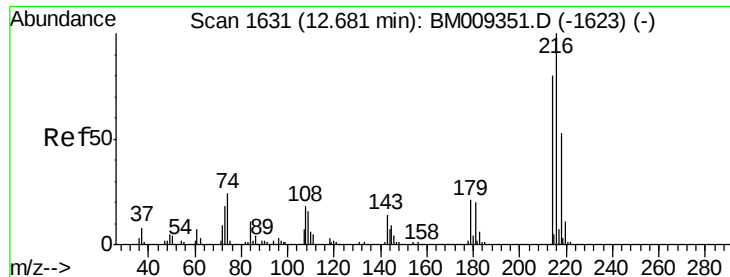
Tgt Ion:107 Resp: 319
Ion Ratio Lower Upper
107 100
144 159.8 20.4 30.6#
142 154.6 62.5 93.7#



#34
2-Methylnaphthalene
Concen: 1.64 ng/ul
RT: 12.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BM009373.D
Acq: 24 Mar 2017 10:56

Tgt Ion:142 Resp: 334
Ion Ratio Lower Upper
142 100
141 0.0 71.6 107.4#

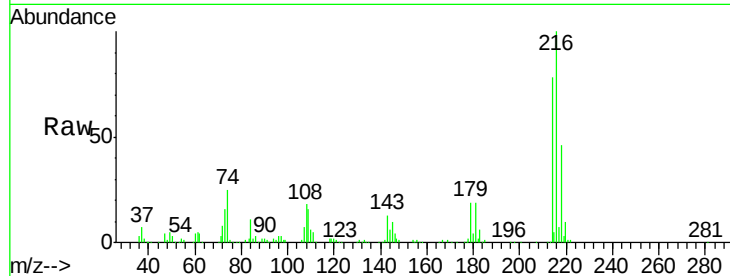




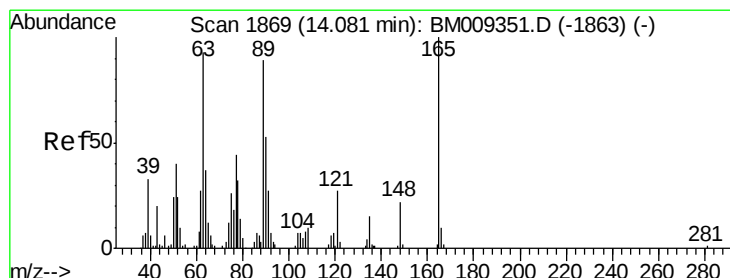
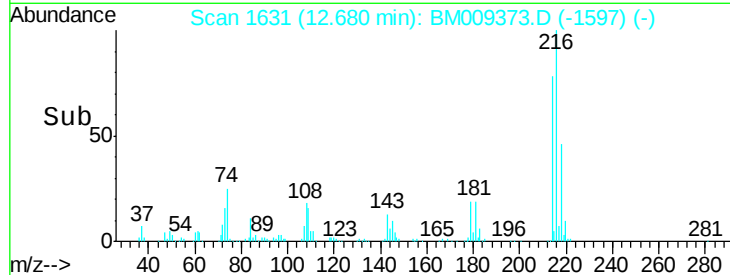
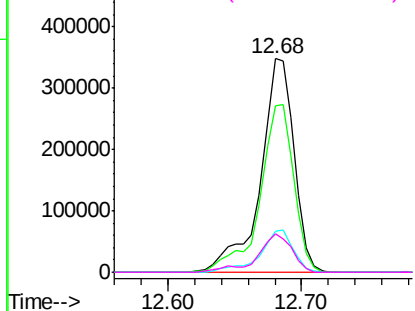
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 59.50 ng/ul
 RT: 12.68 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

Instrument :
 BNA_M
 ClientSampled :
 C0BJ8

Tgt Ion:216 Resp: 613309
 Ion Ratio Lower Upper
 216 100
 214 77.7 62.5 93.7
 179 19.0 18.2 27.2
 108 17.7 14.2 21.2

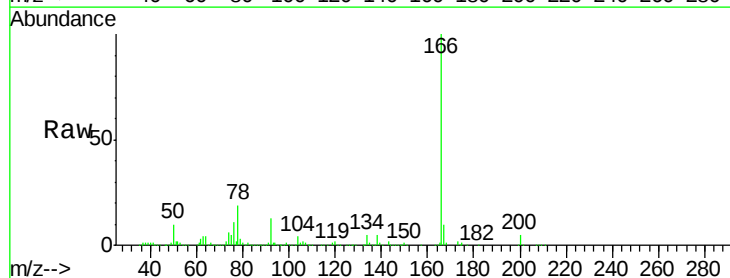


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

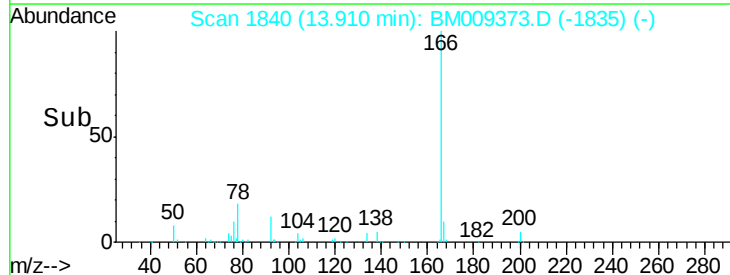
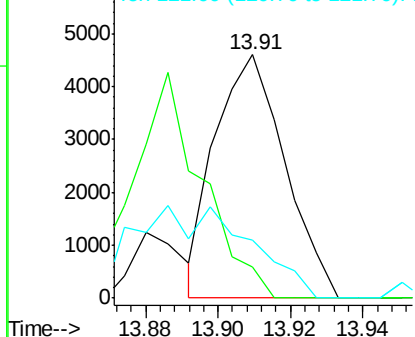


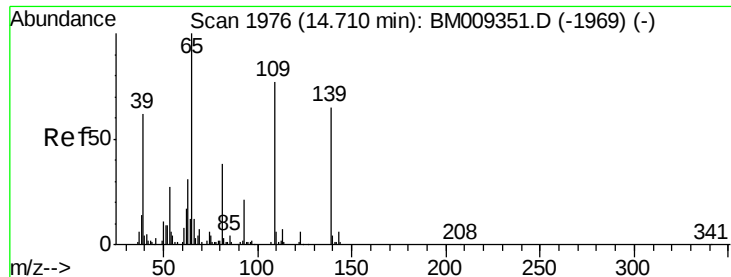
#45
 2,6-Dinitrotoluene
 Concen: 1.48 ng/ul
 RT: 13.91 min Scan# 1840
 Delta R.T. -0.17 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

Tgt Ion:165 Resp: 6174
 Ion Ratio Lower Upper
 165 100
 89 13.0 42.4 63.6#
 121 23.8 16.6 24.8



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM0
 Ion 121.00 (120.70 to 121.70): E

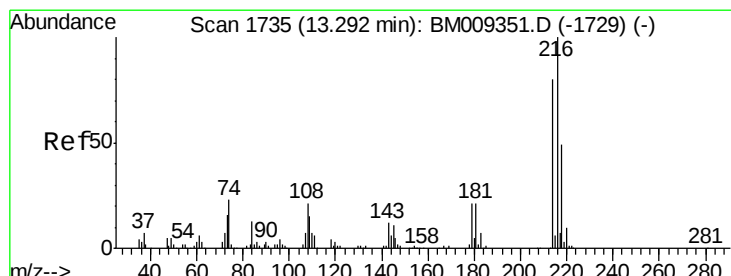
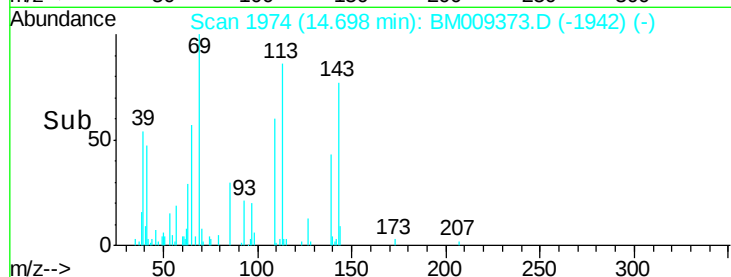
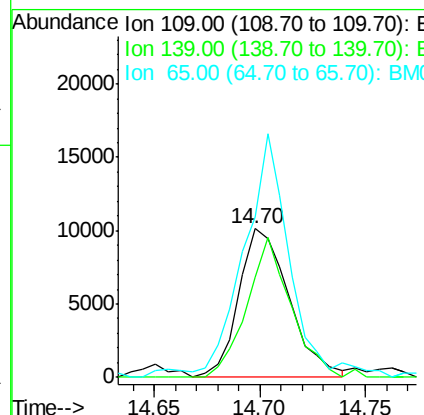
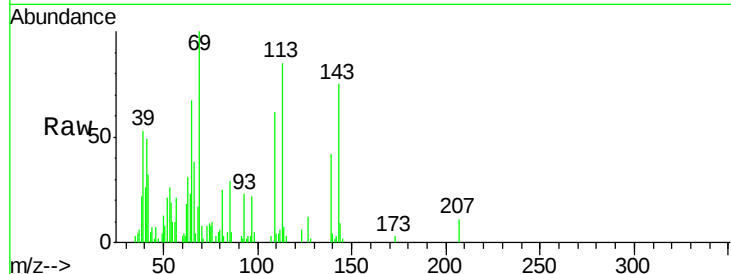




#52
4-Nitrophenol
Concen: 3.60 ng/uL
RT: 14.70 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BM009373.D
Acq: 24 Mar 2017 10:56

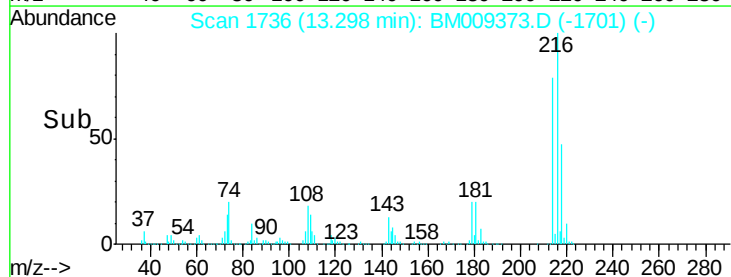
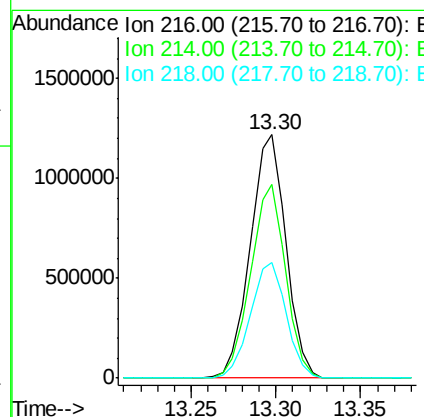
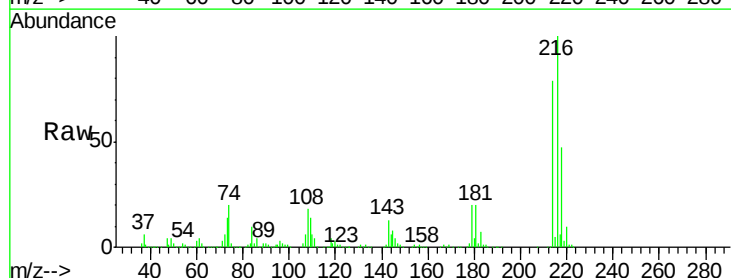
Instrument :
BNA_M
ClientSampleId :
C0BJ8

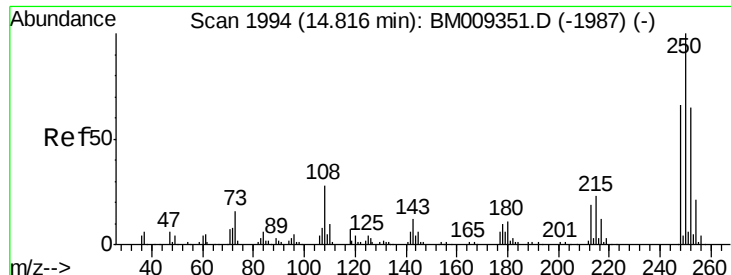
Tgt Ion:109 Resp: 16778
Ion Ratio Lower Upper
109 100
139 67.7 103.7 155.5#
65 107.6 89.4 134.2



#72
1,2,3,4-Tetrachlorobenzene
Concen: 180.05 ng/uL
RT: 13.30 min Scan# 1736
Delta R.T. 0.01 min
Lab File: BM009373.D
Acq: 24 Mar 2017 10:56

Tgt Ion:216 Resp: 1791381
Ion Ratio Lower Upper
216 100
214 79.3 62.5 93.7
218 47.5 38.4 57.6





#73
 Pentachlorobenzene
 Concen: 1.30 ng/uL
 RT: 14.81 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BM009373.D
 Acq: 24 Mar 2017 10:56

Instrument :
 BNA_M
 ClientSampleId :
 C0BJ8

Tgt Ion	Ratio	Lower	Upper
250	100		
248	67.7	50.6	75.8
252	67.8	51.4	77.0

