

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031616\
 Data File : BM004640.D
 Acq On : 16 Mar 2016 17:28
 Operator : UM/SJ
 Sample : H1783-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 00:59:21 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 17 00:56:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	27540	20.00	ng/ul	0.03
18) Naphthalene-d8	10.66	136	257946	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.48	164	136063	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	300157	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	352088	20.00	ng/ul	0.00
86) Perylene-d12	23.70	264	343971	20.00	ng/ul	0.00

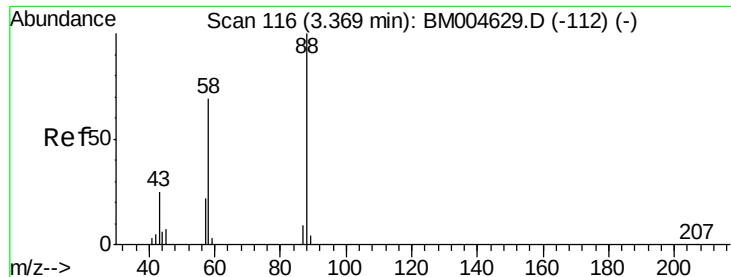
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	2158	2.70	ng/uL	0.00
5) Phenol-d5	7.01	99	37030	16.36	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.20	67	110078	85.82	ng/ul	0.03
9) 2-Chlorophenol-d4	7.39	132	119634	65.67	ng/ul	0.01
13) 4-Methylphenol-d8	8.55	113	70966	38.90	ng/ul	0.01
19) Nitrobenzene-d5	9.02	128	70031	39.04	ng/ul	0.02
22) 2-Nitrophenol-d4	9.73	143	73834	38.11	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.26	165	125609	33.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	2096	0.46	ng/ul	0.02
44) Dimethylphthalate-d6	13.89	166	417765	39.28	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	526874	40.40	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	13519	6.58	ng/ul	0.00
58) Fluorene-d10	15.47	176	363447	39.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	54582	34.60	ng/ul	0.00
71) Anthracene-d10	17.32	188	557294	40.33	ng/ul	0.00
79) Pyrene-d10	19.62	212	645124	40.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	690136	44.92	ng/ul	0.01

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.38	88	4124	4.43	ng/uL	96
4) Benzaldehyde	7.02	77	2804	2.23	ng/ul	88
11) 2-Methylphenol	8.24	108	27061	14.79	ng/ul	95
14) Acetophenone	8.68	105	3022	1.06	ng/ul#	76
15) N-Nitroso-di-n-propylamine	8.55	70	1555	1.08	ng/ul#	1
17) Hexachloroethane	8.94	117	2106	2.76	ng/ul	97
20) Nitrobenzene	9.06	77	799503	180.61	ng/ul	98
23) 2-Nitrophenol	9.76	139	68670	31.99	ng/ul	93
32) Caprolactam	11.45	113	28955	22.08	ng/ul#	1
37) 1,2,4,5-Tetrachlorobenzene	12.67	216	135788	31.24	ng/ul	99
46) 2,6-Dinitrotoluene	13.89	165	2805	1.46	ng/ul#	36
53) 4-Nitrophenol	14.67	109	9274	5.56	ng/ul	87
73) 1,2,3,4-Tetrachlorobenzene	13.27	216	378124	91.56	ng/uL	99

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



#2

1,4-Dioxane

Concen: 4.43 ng/uL

RT: 3.38 min Scan# 117

Delta R.T. 0.01 min

Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

Instrument :

BNA_M

ClientSampleId :

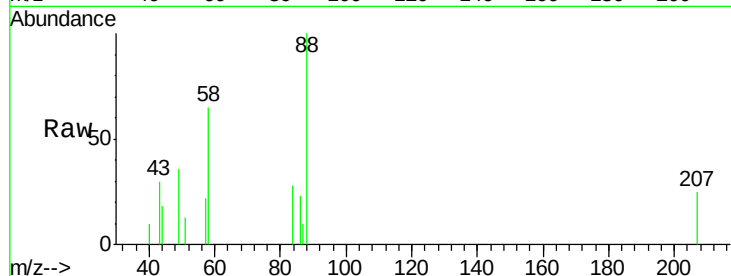
Tot Ion: 88 Resp: 4124

Ion Ratio Lower Upper

88 100

43 27.0 21.0 31.6

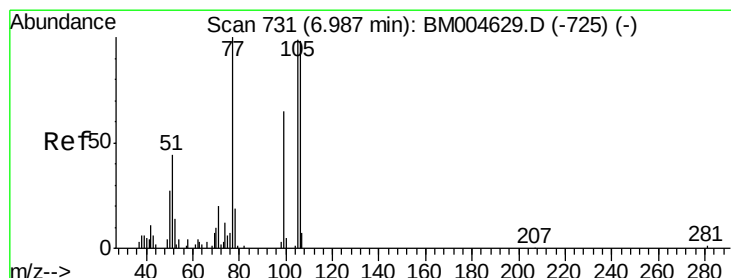
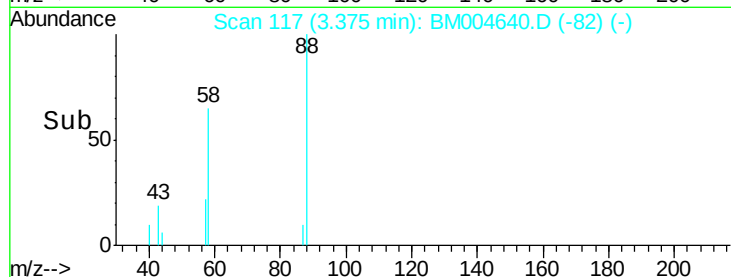
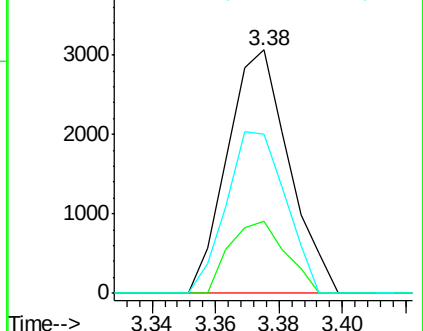
58 63.6 47.8 71.8



Abundance Ion 88.00 (87.70 to 88.70): BM004629.D (-112) (-)

Ion 43.00 (42.70 to 43.70): BM004629.D (-112) (-)

Ion 58.00 (57.70 to 58.70): BM004629.D (-112) (-)



#4

Benzaldehyde

Concen: 2.23 ng/uL

RT: 7.02 min Scan# 736

Delta R.T. 0.03 min

Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

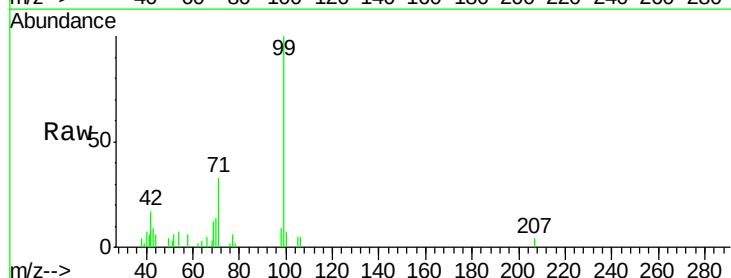
Tgt Ion: 77 Resp: 2804

Ion Ratio Lower Upper

77 100

105 89.7 80.6 120.8

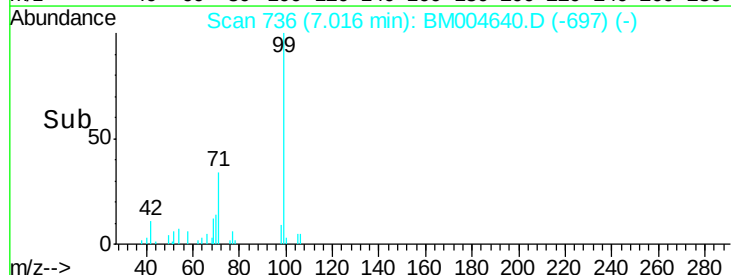
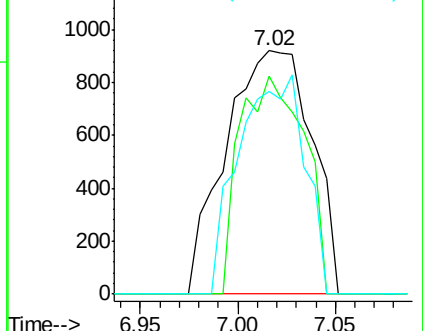
106 83.4 77.7 116.5

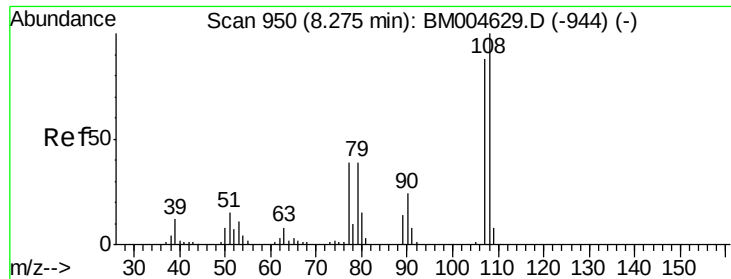


Abundance Ion 77.00 (76.70 to 77.70): BM004629.D (-725) (-)

Ion 105.00 (104.70 to 105.70): BM004629.D (-725) (-)

Ion 106.00 (105.70 to 106.70): BM004629.D (-725) (-)

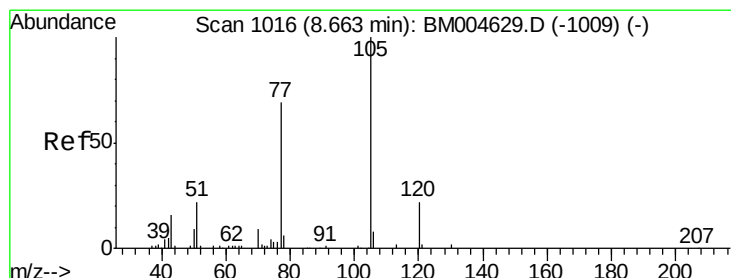
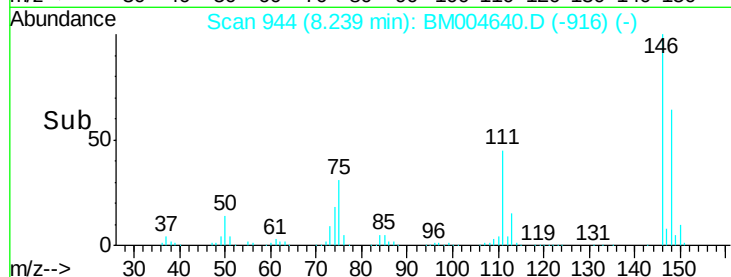
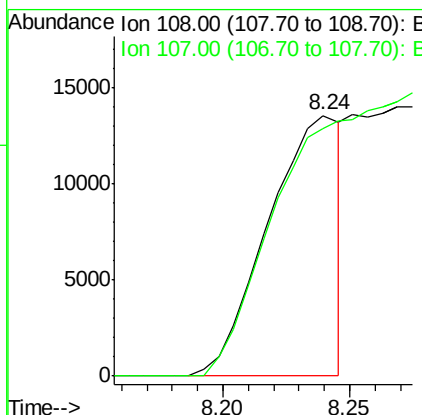
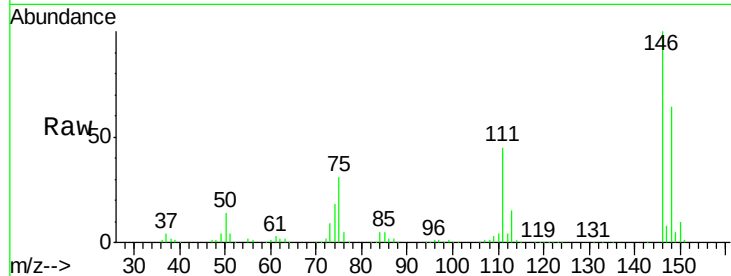




#11
2-Methylphenol
Concen: 14.79 ng/ul
RT: 8.24 min Scan# 944
Delta R.T. -0.04 min
Lab File: BM004640.D
Acq: 16 Mar 2016 17:28

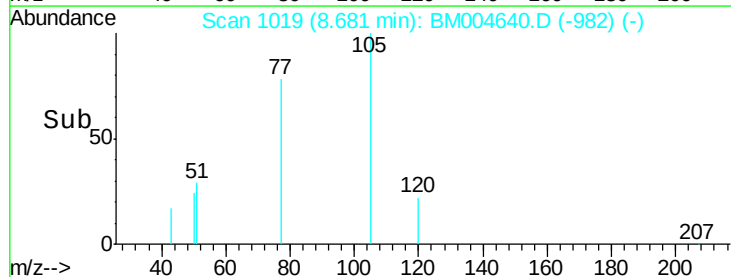
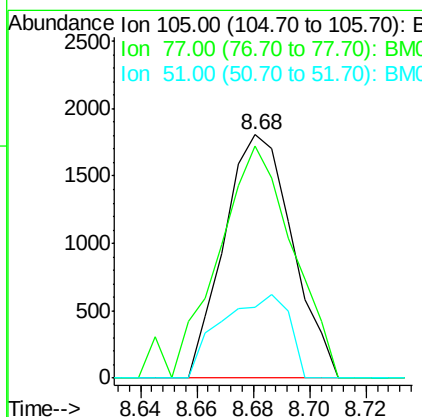
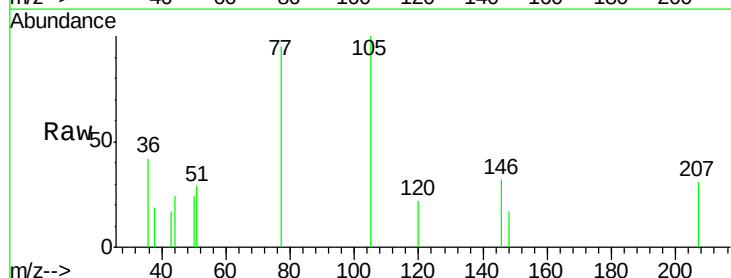
Instrument :
BNA_M
ClientSampleId :

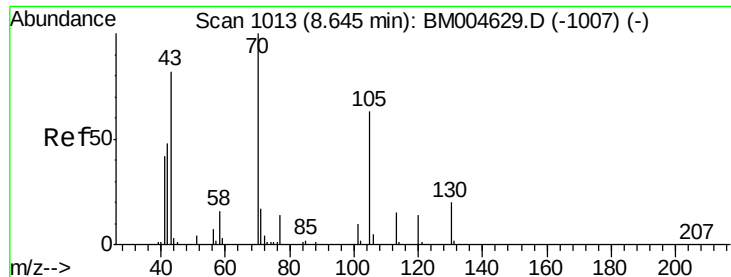
Tot Ion:108 Resp: 27061
Ion Ratio Lower Upper
108 100
107 94.9 72.4 108.6



#14
Acetophenone
Concen: 1.06 ng/ul
RT: 8.68 min Scan# 1019
Delta R.T. 0.02 min
Lab File: BM004640.D
Acq: 16 Mar 2016 17:28

Tgt Ion:105 Resp: 3022
Ion Ratio Lower Upper
105 100
77 95.4 59.0 88.4#
51 29.2 16.4 24.6#





#15

N-Nitroso-di-n-propylamine

Concen: 1.08 ng/ul

RT: 8.55 min Scan# 997

Delta R.T. -0.09 min

Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 1555

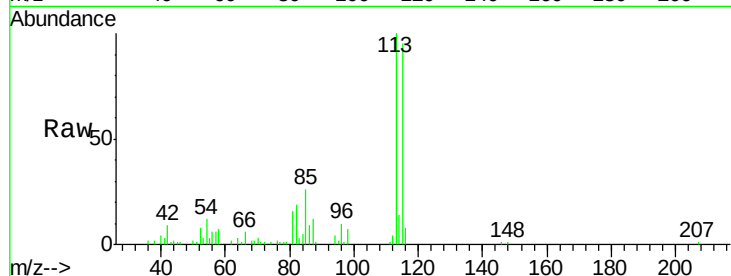
Ion Ratio Lower Upper

70 100

42 329.3 35.4 53.0#

101 0.0 8.4 12.6#

130 0.0 18.2 27.4#

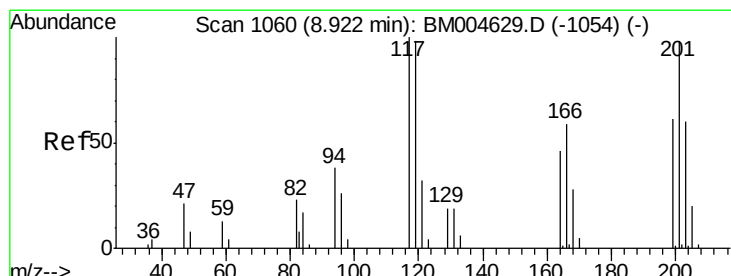
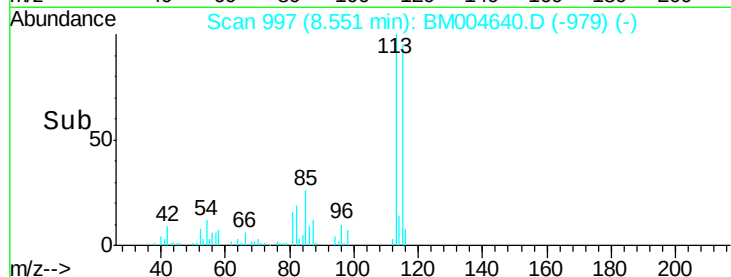
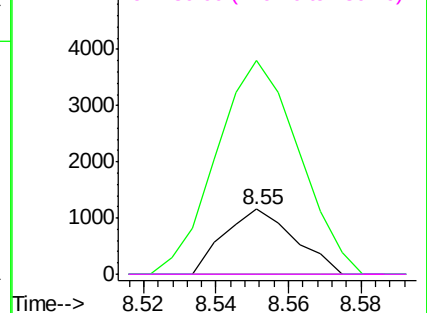


Abundance Ion 70.00 (69.70 to 70.70): BM004629.D (-1007) (-)

Ion 42.00 (41.70 to 42.70): BM004629.D (-1007) (-)

Ion 101.00 (100.70 to 101.70): BM004629.D (-1007) (-)

Ion 130.00 (129.70 to 130.70): BM004629.D (-1007) (-)



#17

Hexachloroethane

Concen: 2.76 ng/ul

RT: 8.94 min Scan# 1063

Delta R.T. 0.02 min

Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

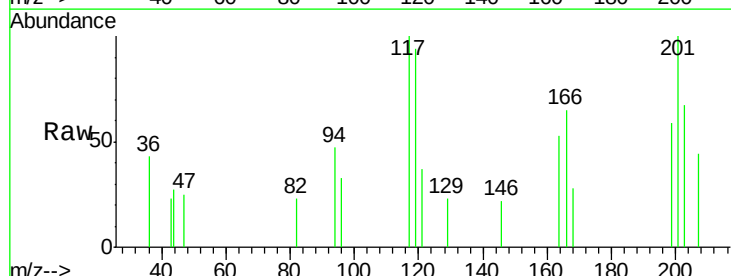
Tgt Ion: 117 Resp: 2106

Ion Ratio Lower Upper

117 100

201 100.1 81.5 122.3

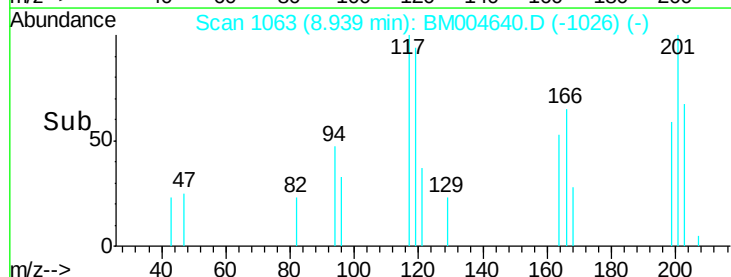
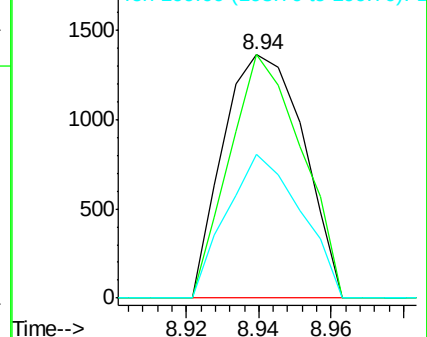
199 59.1 50.6 76.0

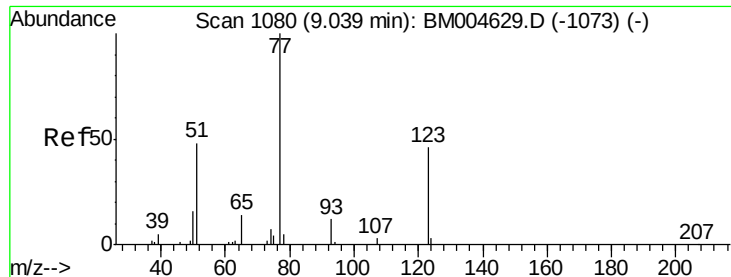


Abundance Ion 117.00 (116.70 to 117.70): BM004629.D (-1054) (-)

Ion 201.00 (200.70 to 201.70): BM004629.D (-1054) (-)

Ion 199.00 (198.70 to 199.70): BM004629.D (-1054) (-)

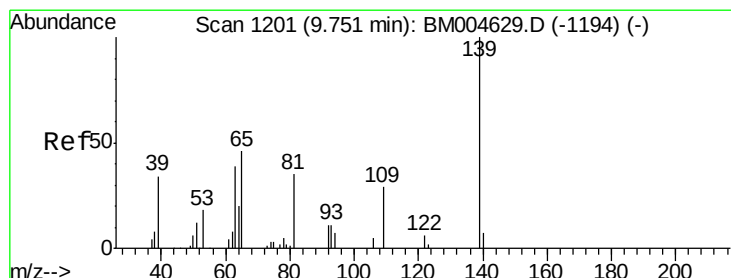
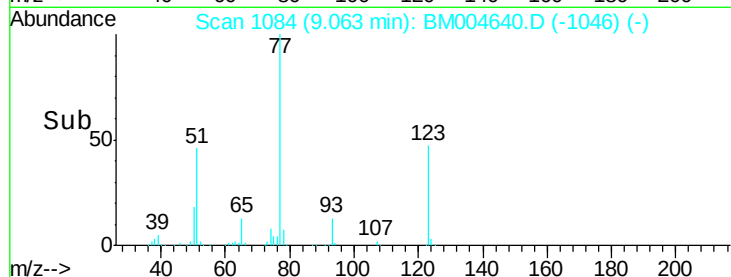
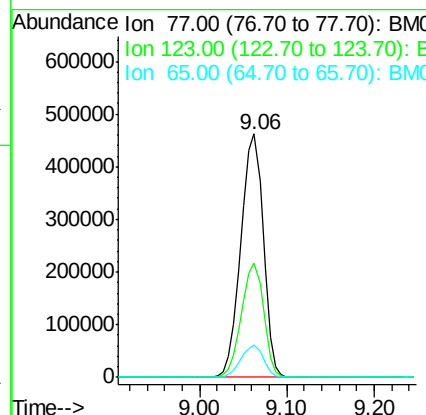
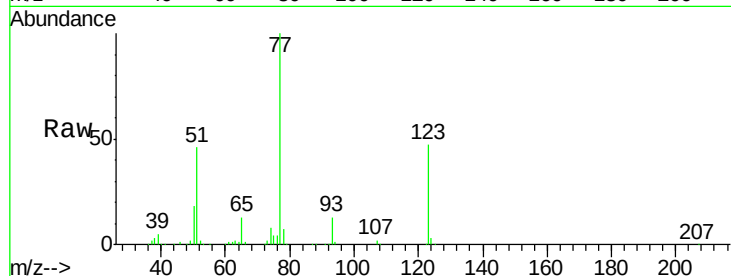




#20
Nitrobenzene
Concen: 180.61 ng/ul
RT: 9.06 min Scan# 1084
Delta R.T. 0.02 min
Lab File: BM004640.D
Acq: 16 Mar 2016 17:28

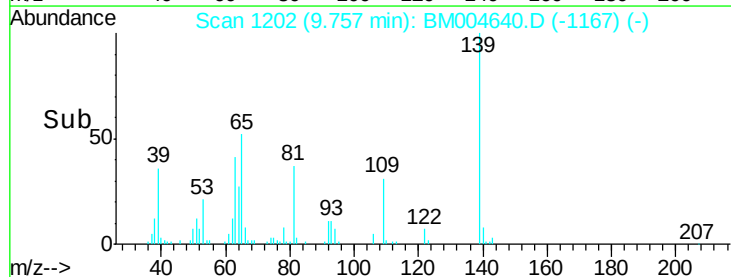
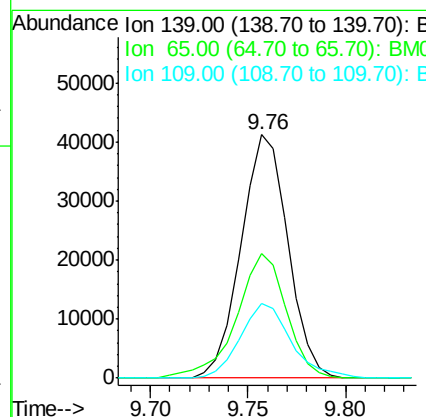
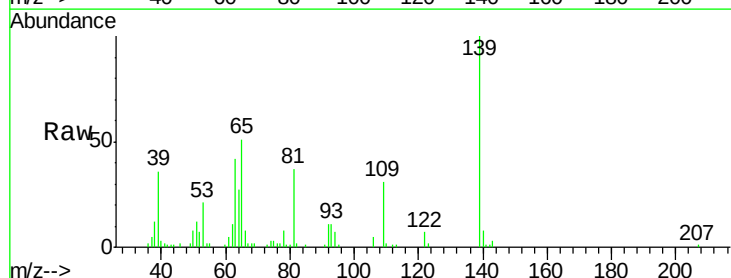
Instrument :
BNA_M
ClientSampleId :

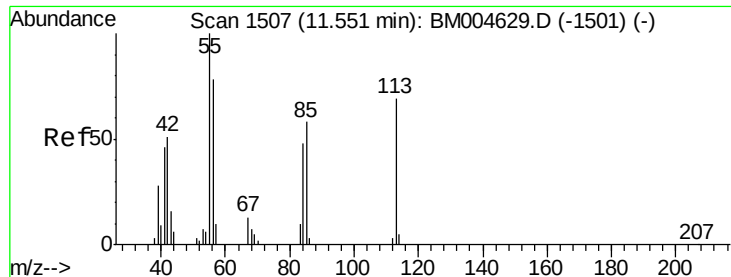
Tot Ion	Ratio	Lower	Upper
77	100		
123	46.7	39.0	58.4
65	13.2	10.4	15.6



#23
2-Nitrophenol
Concen: 31.99 ng/ul
RT: 9.76 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM004640.D
Acq: 16 Mar 2016 17:28

Tgt Ion	Ratio	Lower	Upper
139	100		
65	51.3	36.3	54.5
109	30.8	26.4	39.6





#32

Caprolactam

Concen: 22.08 ng/ul

RT: 11.45 min Scan# 1490

Delta R.T. -0.10 min

Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

Instrument :

BNA_M

ClientSampled :

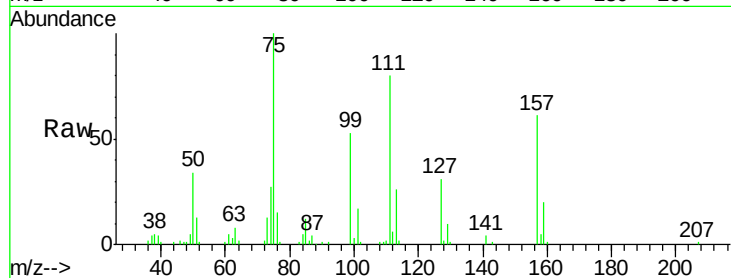
Tot Ion:113 Resp: 28955

Ion Ratio Lower Upper

113 100

55 0.0 101.9 152.9#

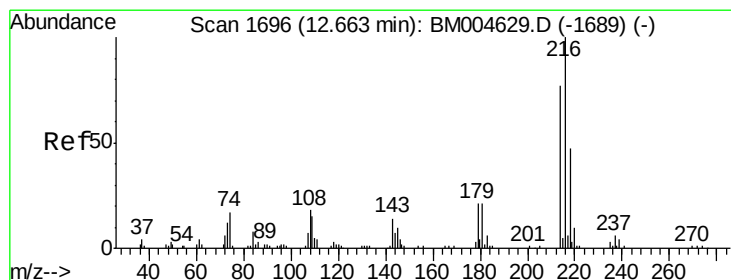
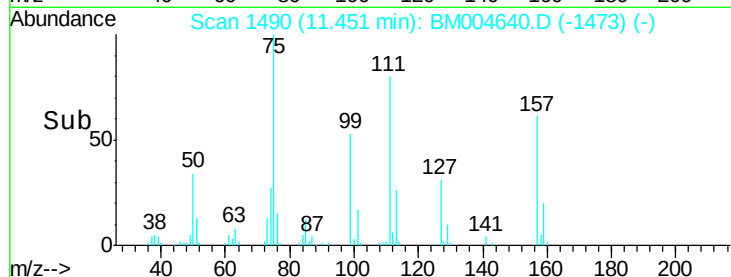
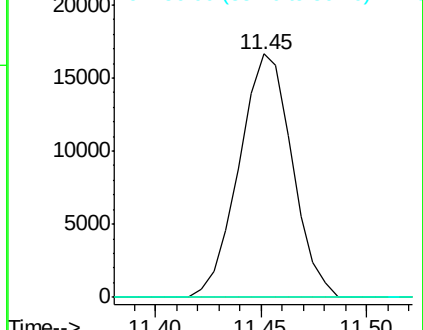
56 0.0 81.2 121.8#



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



#37

1,2,4,5-Tetrachlorobenzene

Concen: 31.24 ng/ul

RT: 12.67 min Scan# 1697

Delta R.T. 0.01 min

Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

Tgt Ion:216 Resp: 135788

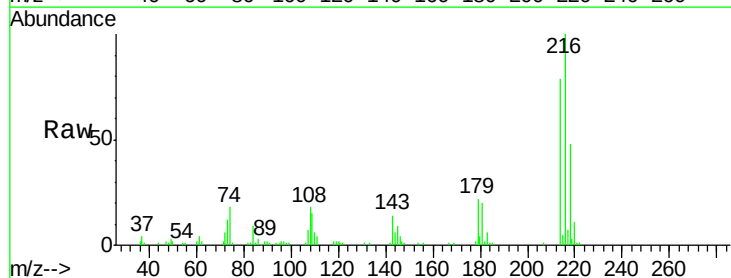
Ion Ratio Lower Upper

216 100

214 78.6 62.5 93.7

179 21.8 18.2 27.2

108 17.9 14.2 21.2

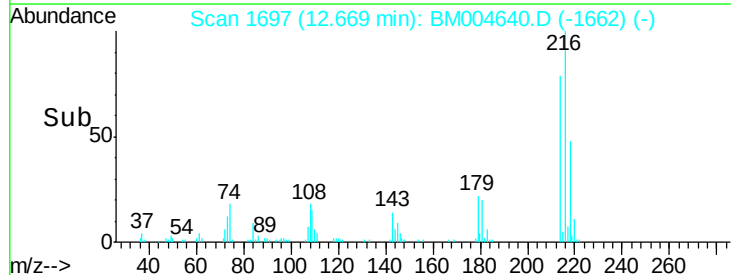
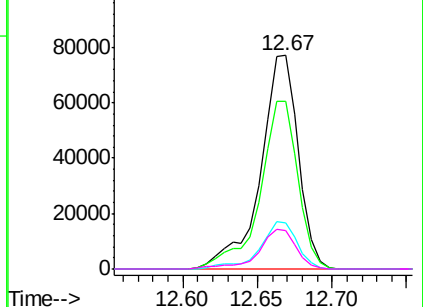


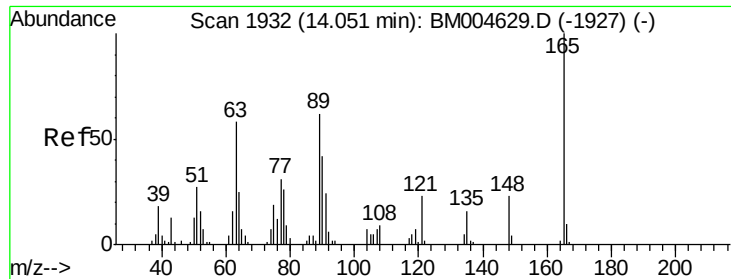
Abundance Ion 216.00 (215.70 to 216.70): E

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

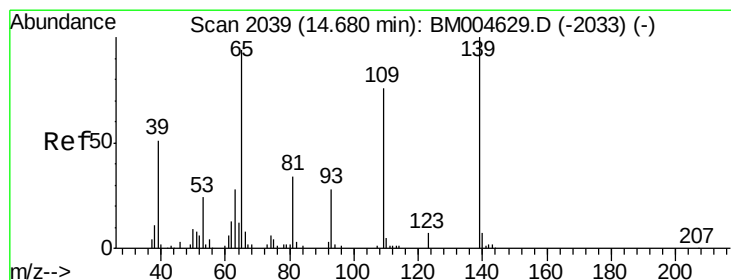
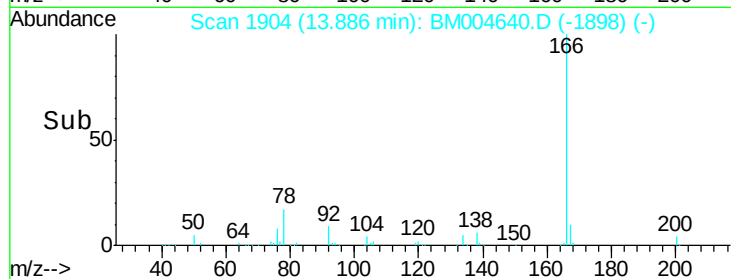
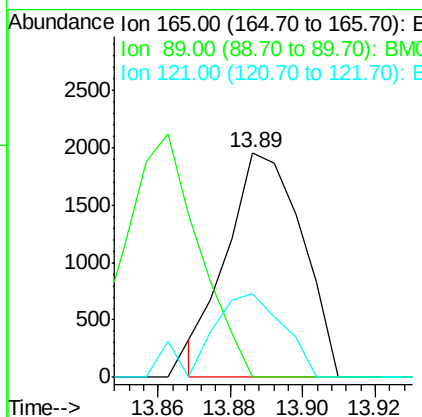
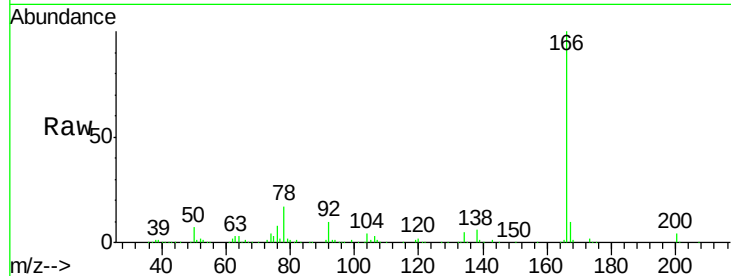




#46
 2,6-Dinitrotoluene
 Concen: 1.46 ng/ul
 RT: 13.89 min Scan# 1904
 Delta R.T. -0.16 min
 Lab File: BM004640.D
 Acq: 16 Mar 2016 17:28

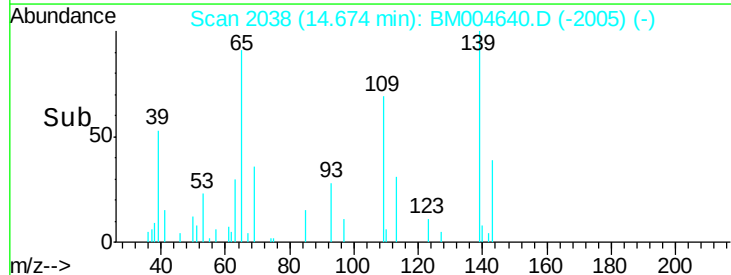
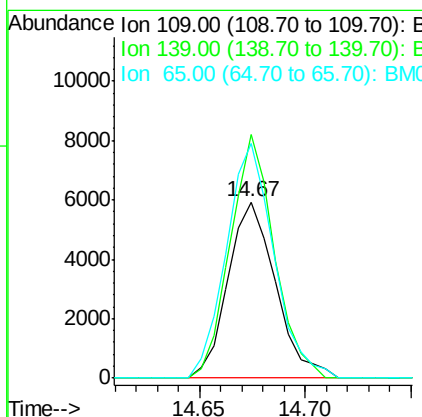
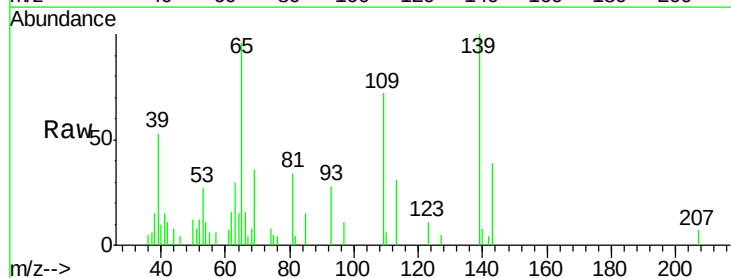
Instrument :
 BNA_M
 ClientSampleId :

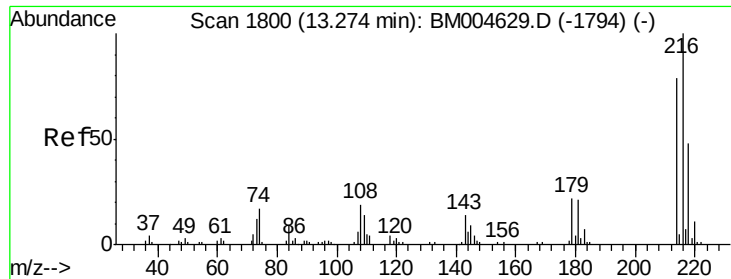
Tot Ion:165 Resp: 2805
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.4 63.6#
 121 37.4 16.6 24.8#



#53
 4-Nitrophenol
 Concen: 5.56 ng/ul
 RT: 14.67 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BM004640.D
 Acq: 16 Mar 2016 17:28

Tgt Ion:109 Resp: 9274
 Ion Ratio Lower Upper
 109 100
 139 138.1 103.7 155.5
 65 132.9 89.4 134.2





#73

1,2,3,4-Tetrachlorobenzene

Concen: 91.56 ng/uL

RT: 13.27 min Scan# 1800

Delta R.T. 0.00 min

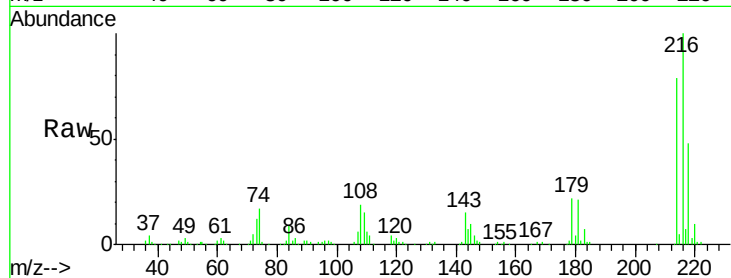
Lab File: BM004640.D

Acq: 16 Mar 2016 17:28

Instrument :

BNA_M

ClientSampleId :



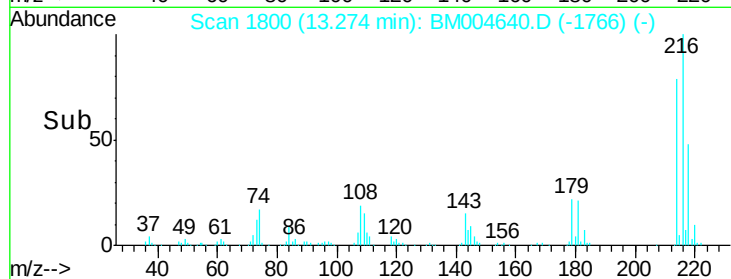
Tot Ion:216 Resp: 378124

Ion Ratio Lower Upper

216 100

214 78.9 62.5 93.7

218 48.3 38.4 57.6



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E

