

Data Path : Z:\HPCHEM1\BNA_M\Data\BM071516\
 Data File : BM006443.D
 Acq On : 15 Jul 2016 15:03
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02064

Quant Time: Jul 15 15:53:26 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 15 04:34:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	117671	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	479068	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	278075	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	672514	20.00	ng/ul	0.00
75) Chrysene-d12	21.23	240	820819	20.00	ng/ul	0.00
83) Perylene-d12	23.43	264	920158	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	24363	8.72	ng/uL	0.00
5) Phenol-d5	6.80	99	200448	20.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.96	67	127389	21.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	162684	20.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.33	113	159806	20.86	ng/ul	0.00
19) Nitrobenzene-d5	8.77	128	75298	20.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.49	143	83439	20.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.03	165	155807	20.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.54	131	204809	25.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.69	166	460769	20.25	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	580692	20.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	83271	21.06	ng/ul	0.00
57) Fluorene-d10	15.27	176	404641	20.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	74327	19.11	ng/ul	0.00
70) Anthracene-d10	17.12	188	658458	20.71	ng/ul	0.00
76) Pyrene-d10	19.42	212	773244	20.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.29	264	886622	21.07	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.18	88	26301	8.78	ng/uL#	12
4) Benzaldehyde	6.77	77	138240	23.73	ng/ul	98
6) Phenol	6.83	94	219514	21.60	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.05	93	164778	21.99	ng/ul	97
10) 2-Chlorophenol	7.19	128	167869	20.92	ng/ul	98
11) 2-Methylphenol	8.06	108	161655	21.35	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.16	45	252273	20.72	ng/ul	98
14) Acetophenone	8.44	105	249468	20.67	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.42	70	130178	20.44	ng/ul	95
16) 4-Methylphenol	8.39	108	172830	21.12	ng/ul	93
17) Hexachloroethane	8.69	117	70678	20.70	ng/ul	93
20) Nitrobenzene	8.82	77	199228	20.60	ng/ul	99
21) Isophorone	9.33	82	352011	20.39	ng/ul	98
23) 2-Nitrophenol	9.52	139	93811	20.78	ng/ul	99
24) 2,4-Dimethylphenol	9.59	107	198895	20.38	ng/ul	97
25) Bis(2-Chloroethoxy)methane	9.82	93	214074	20.73	ng/ul	99
27) 2,4-Dichlorophenol	10.05	162	159316	20.38	ng/ul	97
28) Naphthalene	10.45	128	505921	20.81	ng/ul	98
30) 4-Chloroaniline	10.56	127	212932	25.23	ng/ul	100
31) Hexachlorobutadiene	10.73	225	108757	20.38	ng/ul	99
32) Caprolactam	11.32	113	50773	20.45	ng/ul	98
33) 4-Chloro-3-methylphenol	11.70	107	176800	20.19	ng/ul	97
34) 2-Methylnaphthalene	12.07	142	372020	20.30	ng/ul	99

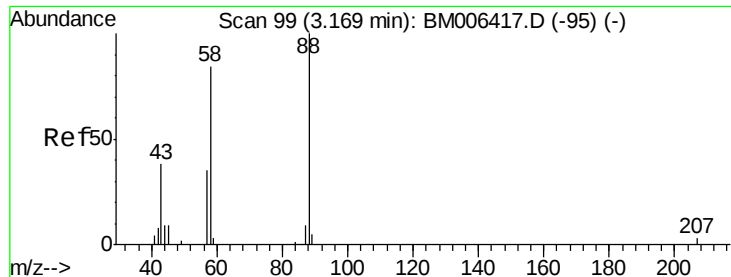
Data Path : Z:\HPCHEM1\BNA_M\Data\BM071516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.45	216	196810	20.18	ng/ul	99
37) Hexachlorocyclopentadiene	12.42	237	98502	19.18	ng/ul	99
38) 2,4,6-Trichlorophenol	12.69	196	127763	20.17	ng/ul	97
39) 2,4,5-Trichlorophenol	12.77	196	134417	20.60	ng/ul	98
40) 1,1'-Biphenyl	13.10	154	473412	20.64	ng/ul	96
41) 2-Chloronaphthalene	13.14	162	370732	20.67	ng/ul	100
42) 2-Nitroaniline	13.35	65	124528	20.30	ng/ul	96
44) Dimethylphthalate	13.73	163	469633	20.34	ng/ul	99
45) 2,6-Dinitrotoluene	13.86	165	95094	20.73	ng/ul	93
47) Acenaphthylene	13.99	152	604314	20.62	ng/ul	98
48) 3-Nitroaniline	14.19	138	104302	24.13	ng/ul	99
49) Acenaphthene	14.33	153	380530	20.18	ng/ul	97
50) 2,4-Dinitrophenol	14.40	184	46321	17.77	ng/ul	94
52) 4-Nitrophenol	14.50	109	87440	19.54	ng/ul	92
53) Dibenzofuran	14.67	168	565014	20.59	ng/ul	98
54) 2,4-Dinitrotoluene	14.65	165	141379	20.62	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.90	232	122190	20.67	ng/ul	99
56) Diethylphthalate	15.10	149	489224	20.08	ng/ul	99
58) Fluorene	15.33	166	436049	19.86	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.32	204	221140	19.81	ng/ul	96
60) 4-Nitroaniline	15.35	138	113294	22.11	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.42	198	82030	19.80	ng/ul#	99
64) N-Nitrosodiphenylamine	15.54	169	401662	20.33	ng/ul	97
65) 4-Bromophenyl-phenylether	16.22	248	152566	20.36	ng/ul	98
66) Hexachlorobenzene	16.33	284	167556	20.05	ng/ul	98
67) Atrazine	16.49	200	155747	21.33	ng/ul	99
68) Pentachlorophenol	16.68	266	79382	19.76	ng/ul	97
69) Phenanthrene	17.06	178	758166	20.50	ng/ul	100
71) Anthracene	17.16	178	764805	20.11	ng/ul	99
72) Carbazole	17.43	167	705315	21.93	ng/ul	98
73) Di-n-butylphthalate	18.00	149	892174	20.28	ng/ul	100
74) Fluoranthene	19.09	202	969337	22.56	ng/ul	98
77) Pyrene	19.45	202	1016934	20.75	ng/ul	98
78) Butylbenzylphthalate	20.36	149	442747	20.55	ng/ul	96
79) 3,3'-Dichlorobenzidine	21.14	252	369189	23.09	ng/ul	100
80) Benzo(a)anthracene	21.21	228	1030570	20.57	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.14	149	598457	20.00	ng/ul	99
82) Chrysene	21.26	228	969275	20.55	ng/ul	98
84) Di-n-octyl phthalate	22.01	149	1180059	22.00	ng/ul	100
85) Benzo(b)fluoranthene	22.77	252	1119889	20.36	ng/ul	99
86) Benzo(k)fluoranthene	22.81	252	1129013	21.83	ng/ul	99
88) Benzo(a)pyrene	23.33	252	1116904	21.20	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.63	276	1309414	21.36	ng/ul	98
90) Dibenzo(a,h)anthracene	25.64	278	1093453	21.47	ng/ul	99
91) Benzo(g,h,i)perylene	26.30	276	1132078	20.90	ng/ul	100

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



#2

1,4-Dioxane

Concen: 8.78 ng/uL

RT: 3.18 min Scan# 100

Delta R.T. 0.01 min

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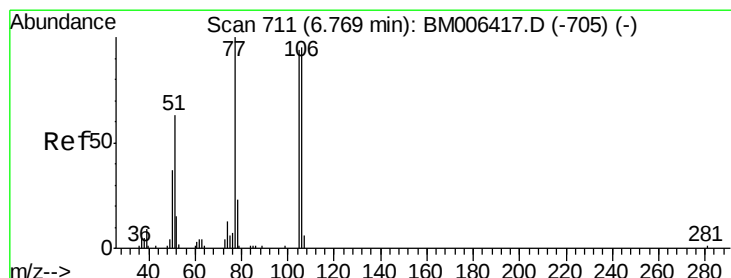
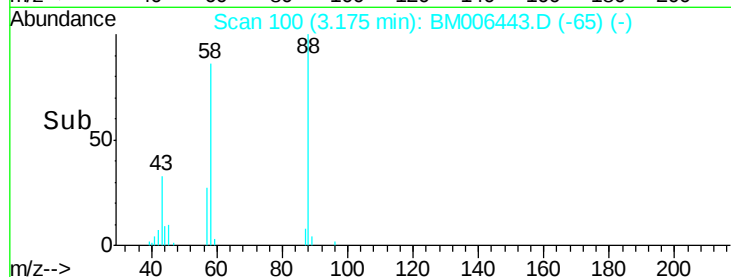
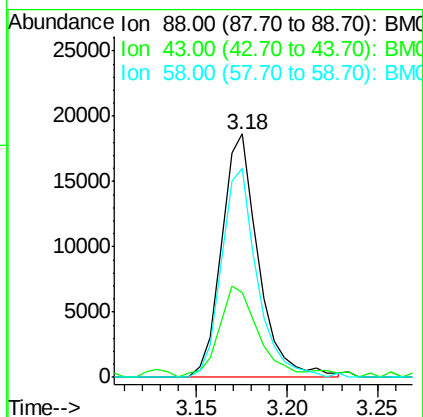
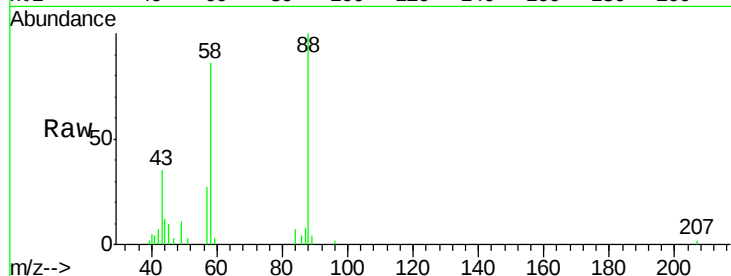
Tgt Ion: 88 Resp: 26301

Ion Ratio Lower Upper

88 100

43 40.1 0.8 1.2#

58 83.0 0.0 0.0#



#4

Benzaldehyde

Concen: 23.73 ng/uL

RT: 6.77 min Scan# 711

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

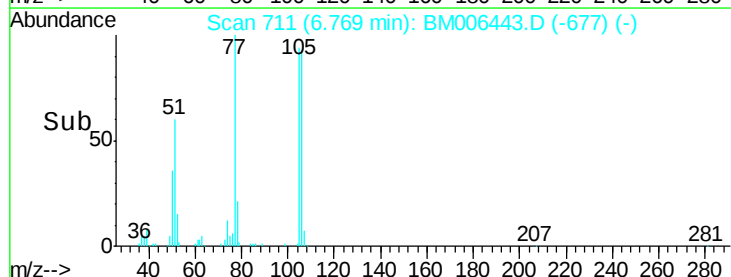
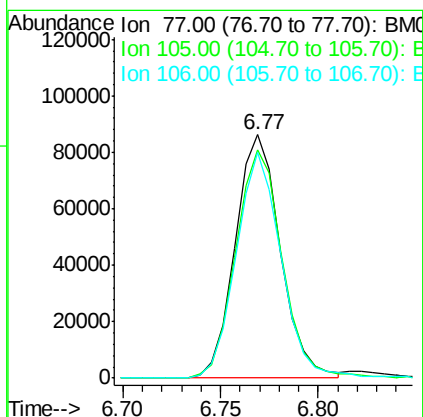
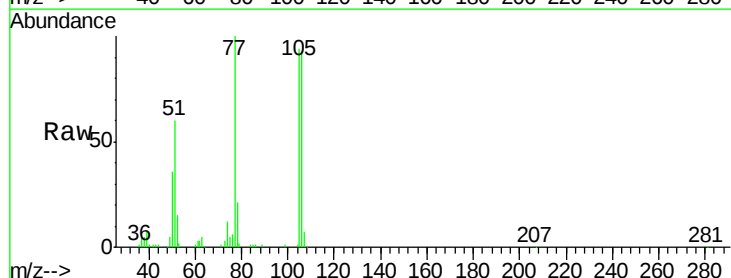
Tgt Ion: 77 Resp: 138240

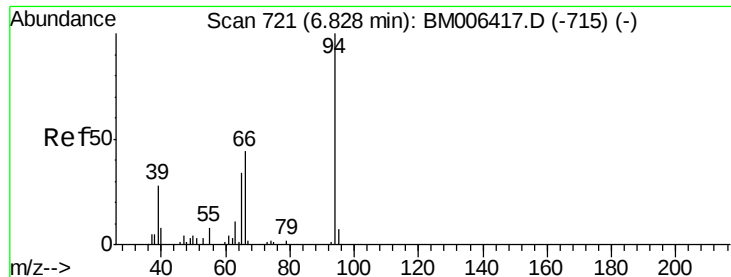
Ion Ratio Lower Upper

77 100

105 93.6 74.9 112.3

106 92.8 70.7 106.1





#6

Phenol

Concen: 21.60 ng/ul

RT: 6.83 min Scan# 721

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

Instrument :

BNA_M

ClientSampleId :

SSTD02064

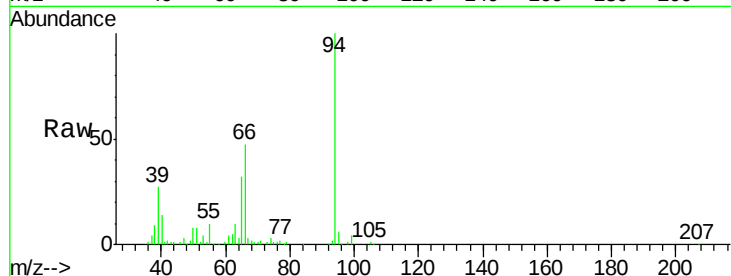
Tgt Ion: 94 Resp: 219514

Ion Ratio Lower Upper

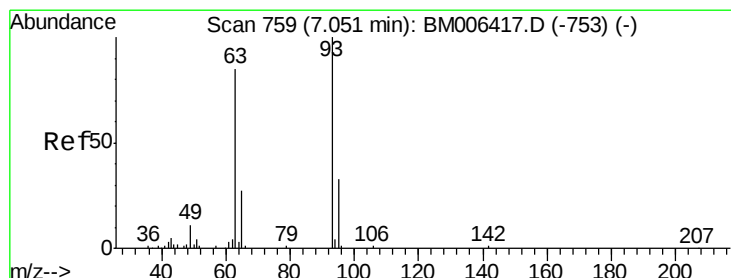
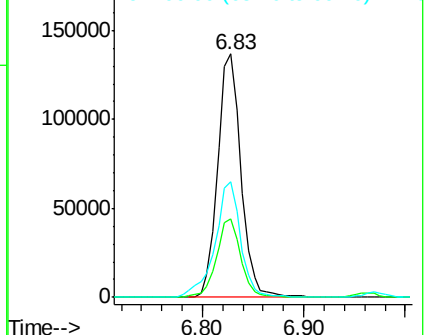
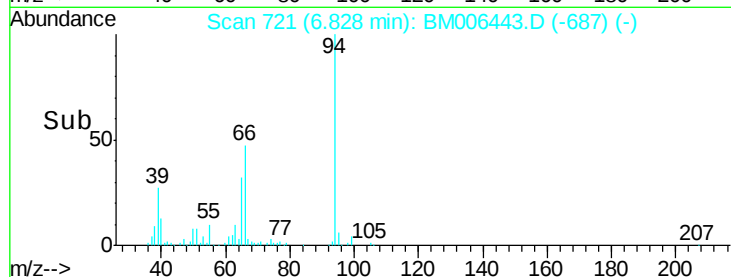
94 100

65 32.5 25.8 38.8

66 47.5 35.7 53.5



Abundance Ion 94.00 (93.70 to 94.70): BM006443.D (-687) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 21.99 ng/ul

RT: 7.05 min Scan# 759

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

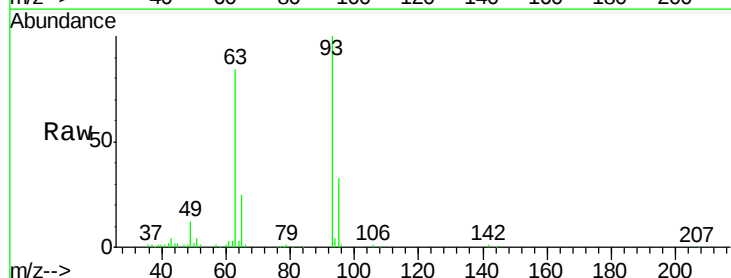
Tgt Ion: 93 Resp: 164778

Ion Ratio Lower Upper

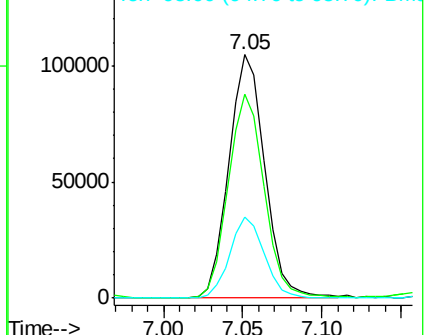
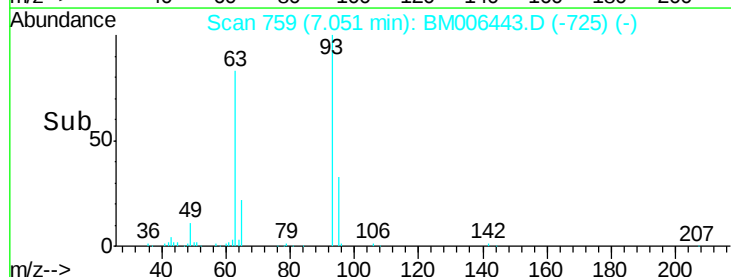
93 100

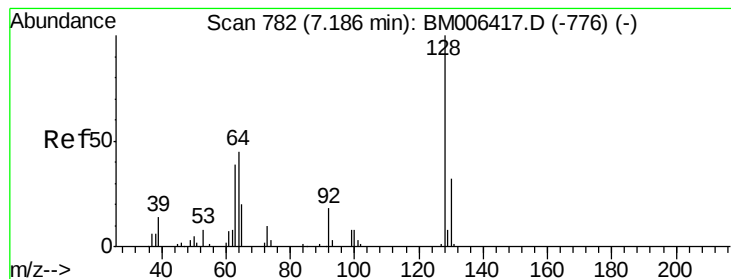
63 83.7 64.2 96.4

95 33.4 26.0 39.0



Abundance Ion 93.00 (92.70 to 93.70): BM006443.D (-725) (-)





#10

2-Chlorophenol

Concen: 20.92 ng/ul

RT: 7.19 min Scan# 782

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

Instrument :

BNA_M

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SSTD02064

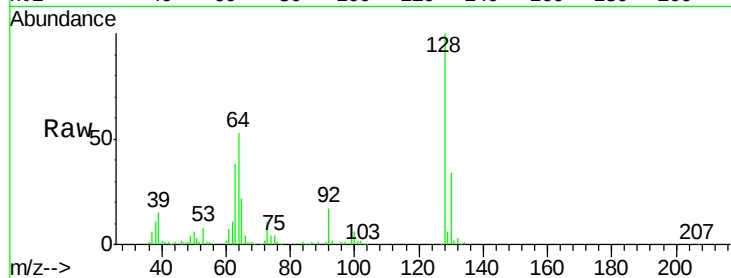
Tgt Ion:128 Resp: 167869

Ion Ratio Lower Upper

128 100

64 52.5 42.6 63.8

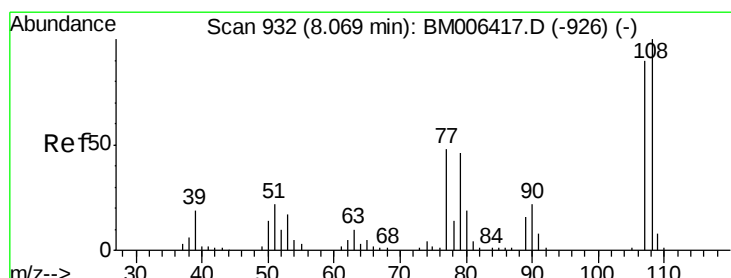
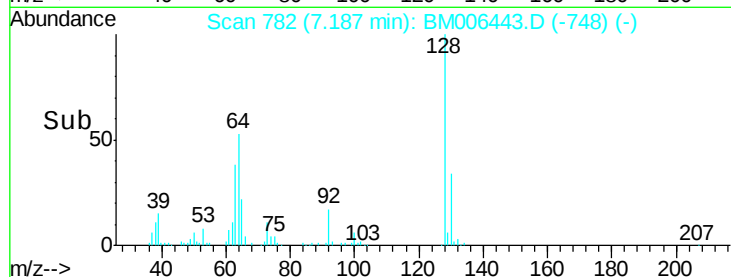
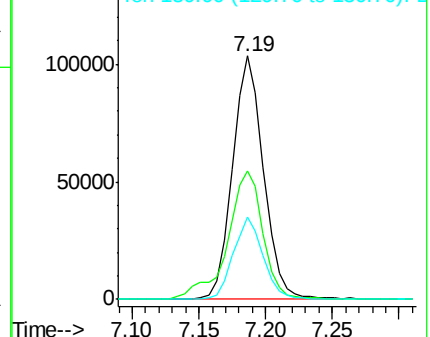
130 33.9 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 21.35 ng/ul

RT: 8.06 min Scan# 931

Delta R.T. -0.01 min

Lab File: BM006443.D

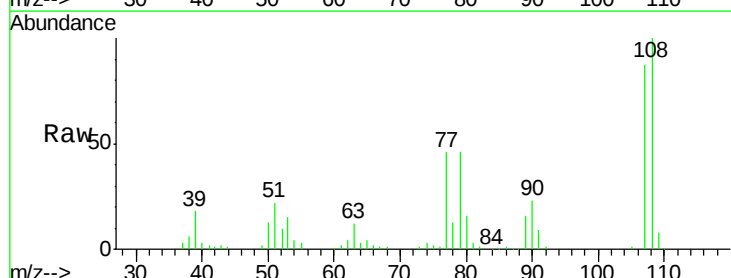
Acq: 15 Jul 2016 15:03

Tgt Ion:108 Resp: 161655

Ion Ratio Lower Upper

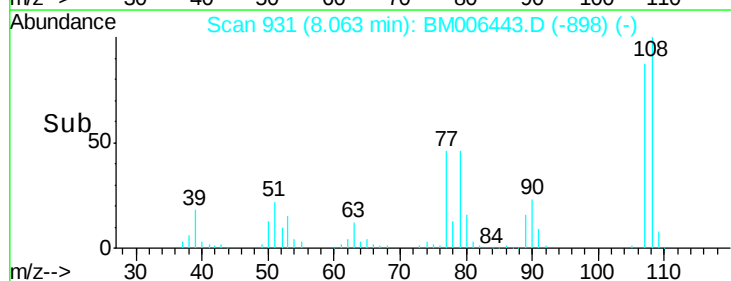
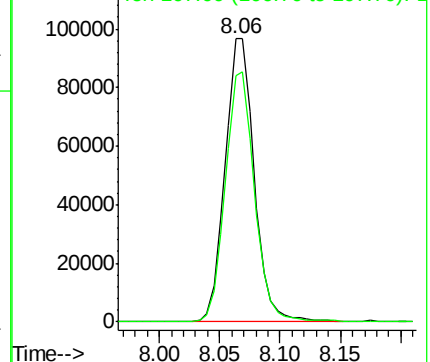
108 100

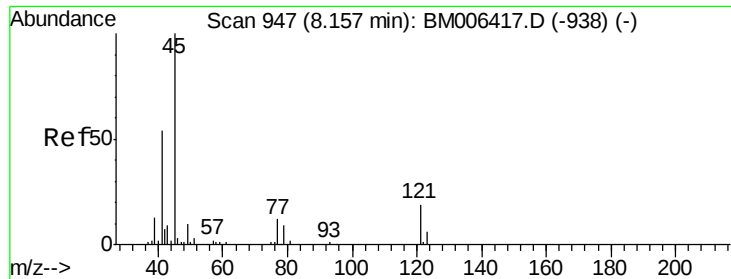
107 86.9 71.0 106.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

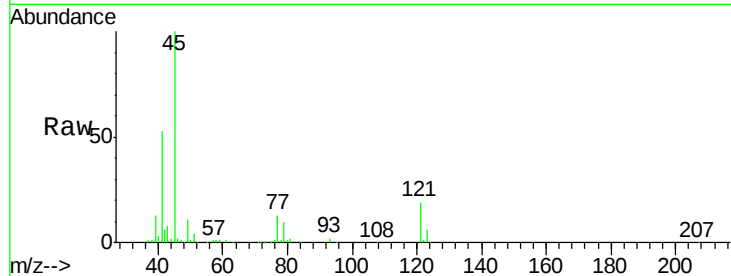




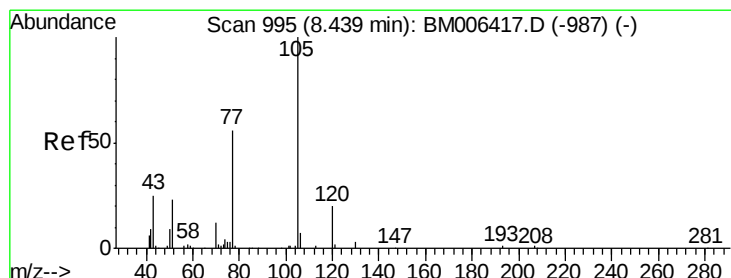
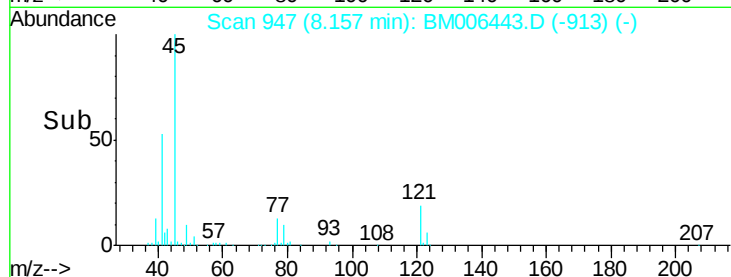
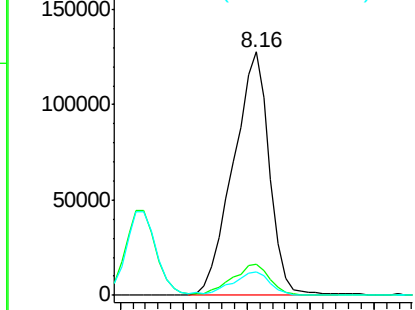
#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 20.72 ng/ul
 RT: 8.16 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: BM006443.D
 Acq: 15 Jul 2016 15:03

Instrument :
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 ClientSampleId :
 SSTD02064

Tgt Ion: 45 Resp: 252273
 Ion Ratio Lower Upper
 45 100
 77 12.7 11.0 16.4
 79 9.7 8.2 12.4

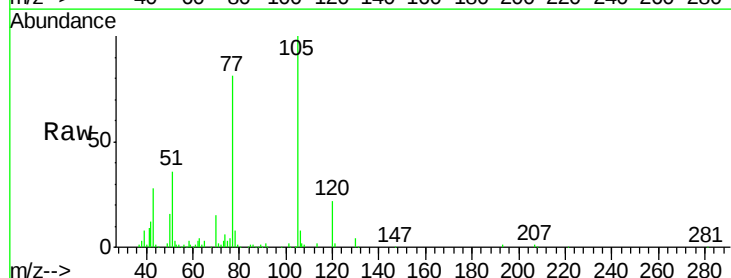


Abundance Ion 45.00 (44.70 to 45.70): BM0
 Ion 77.00 (76.70 to 77.70): BM0
 Ion 79.00 (78.70 to 79.70): BM0

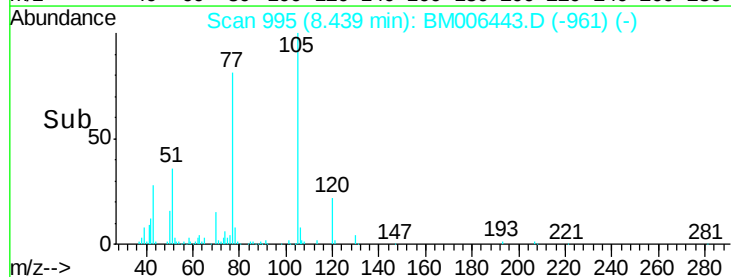
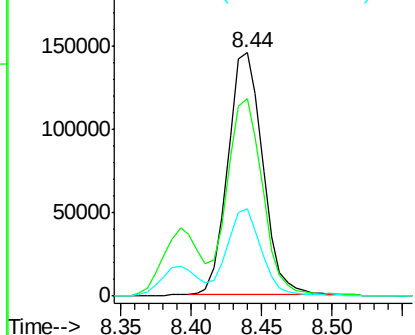


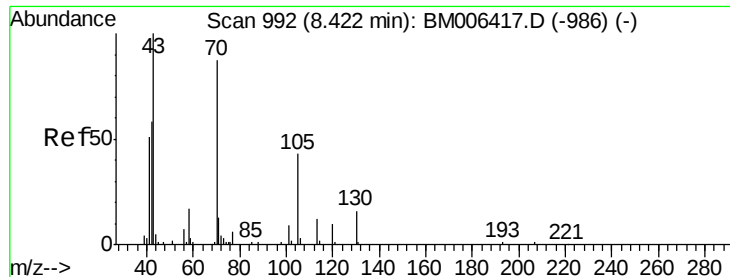
#14
 Acetophenone
 Concen: 20.67 ng/ul
 RT: 8.44 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: BM006443.D
 Acq: 15 Jul 2016 15:03

Tgt Ion: 105 Resp: 249468
 Ion Ratio Lower Upper
 105 100
 77 81.3 62.8 94.2
 51 35.9 26.5 39.7



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: 20.44 ng/ul

RT: 8.42 min Scan# 992

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

Instrument :

BNA_M

ClientSampleId :

SSTD02064

Tgt Ion: 70 Resp: 130178

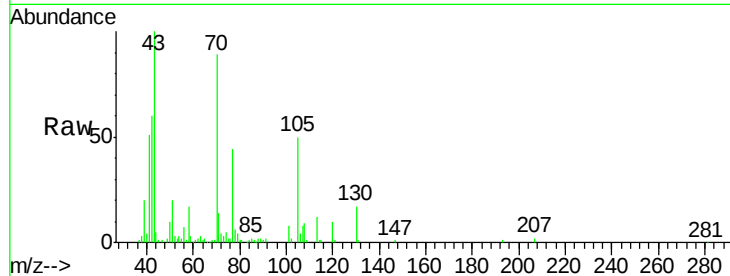
Ion Ratio Lower Upper

70 100

42 67.8 50.6 75.8

101 8.6 7.9 11.9

130 18.7 15.8 23.6

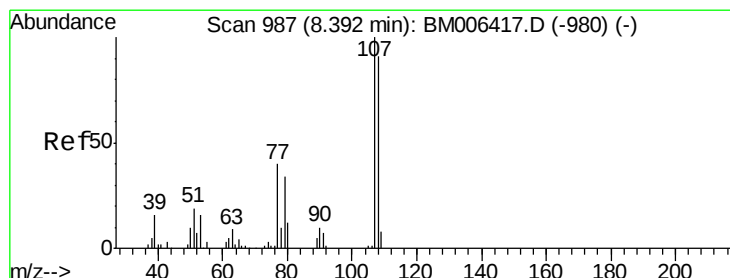
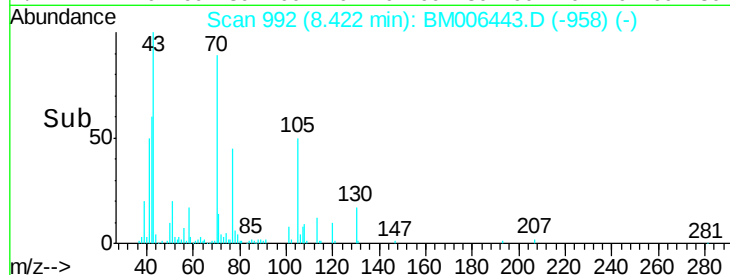
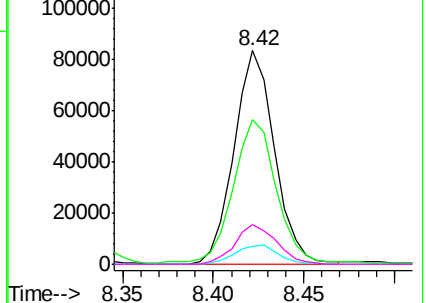


Abundance Ion 70.00 (69.70 to 70.70): BM0

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: 21.12 ng/ul

RT: 8.39 min Scan# 987

Delta R.T. 0.00 min

Lab File: BM006443.D

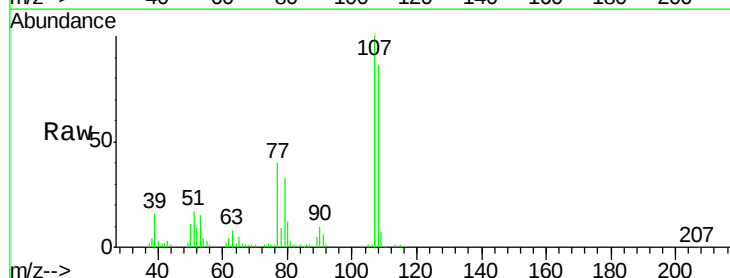
Acq: 15 Jul 2016 15:03

Tgt Ion: 108 Resp: 172830

Ion Ratio Lower Upper

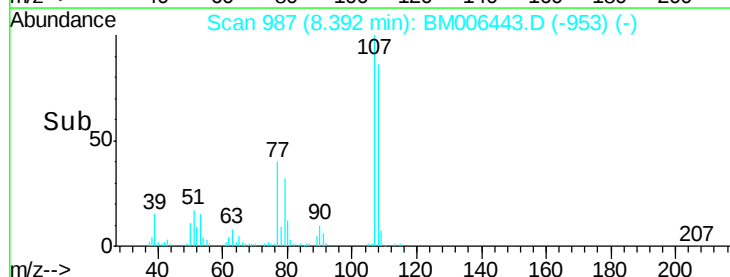
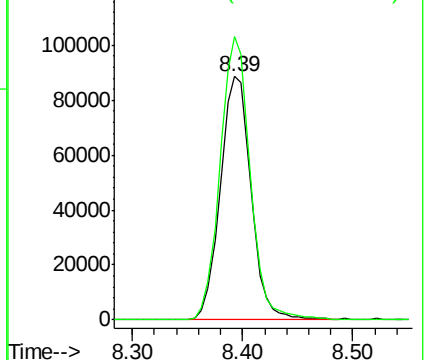
108 100

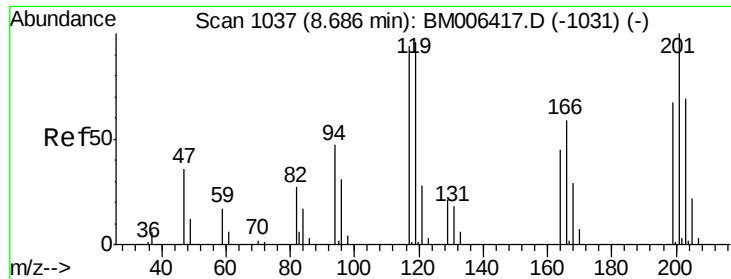
107 116.4 87.4 131.0



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

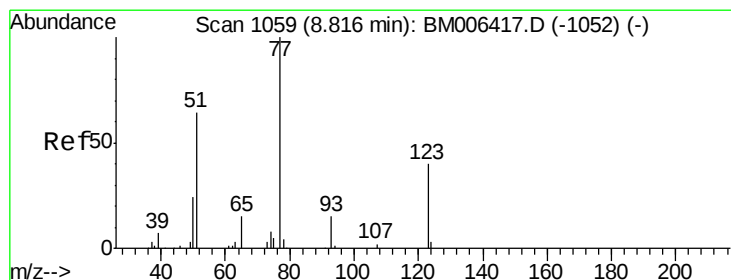
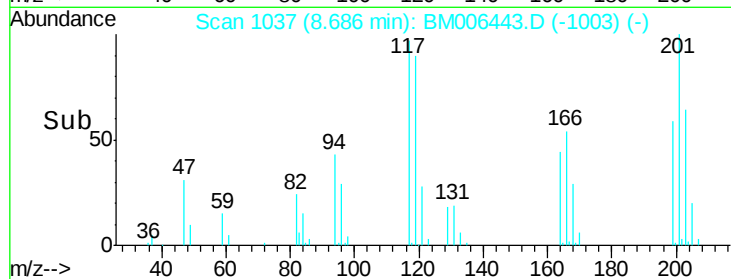
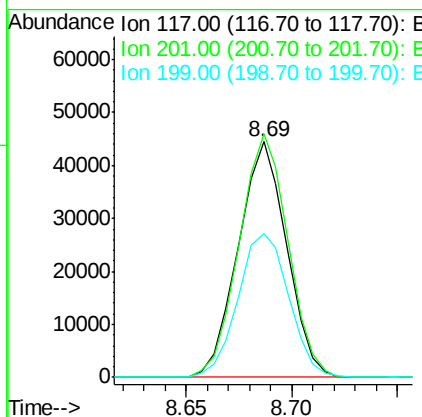
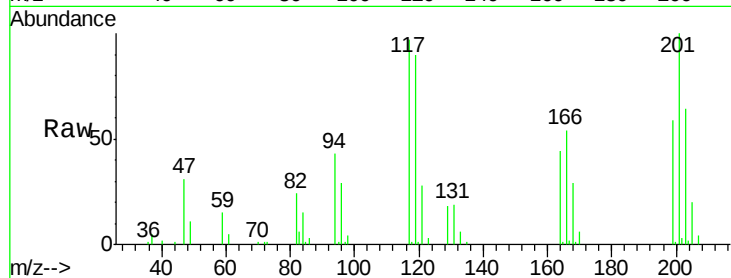




#17
 Hexachloroethane
 Concen: 20.70 ng/ul
 RT: 8.69 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BM006443.D
 Acq: 15 Jul 2016 15:03

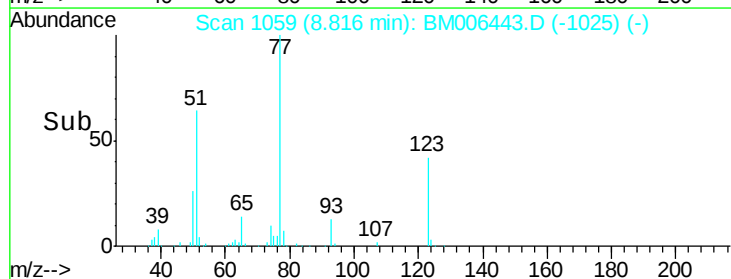
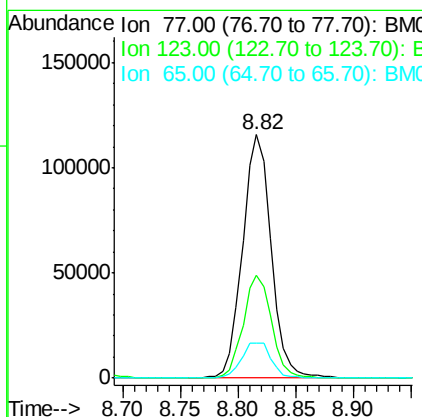
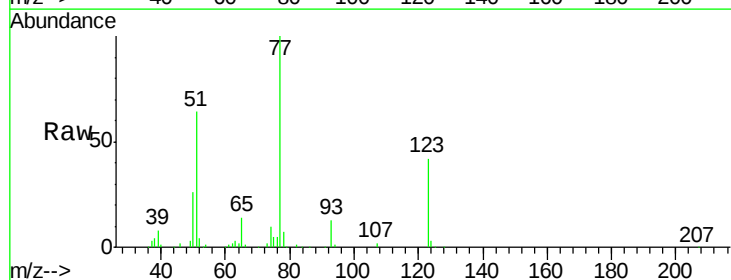
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02064

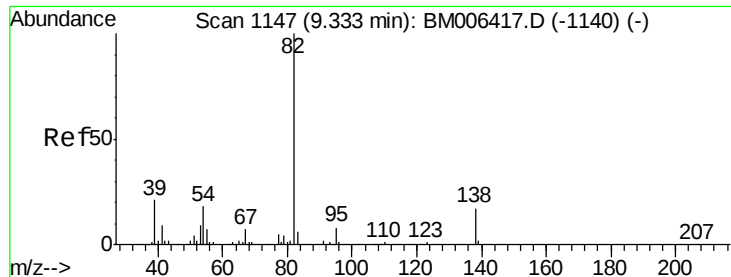
Tgt Ion: 117 Resp: 70678
 Ion Ratio Lower Upper
 117 100
 201 103.3 74.6 111.8
 199 60.8 47.5 71.3



#20
 Nitrobenzene
 Concen: 20.60 ng/ul
 RT: 8.82 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: BM006443.D
 Acq: 15 Jul 2016 15:03

Tgt Ion: 77 Resp: 199228
 Ion Ratio Lower Upper
 77 100
 123 42.1 33.0 49.4
 65 14.5 11.5 17.3

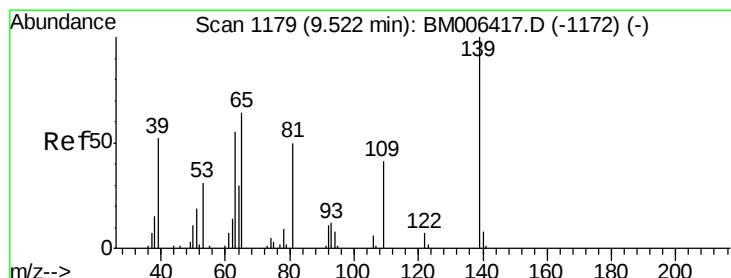
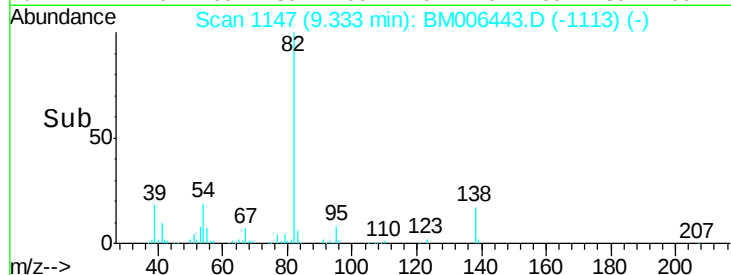
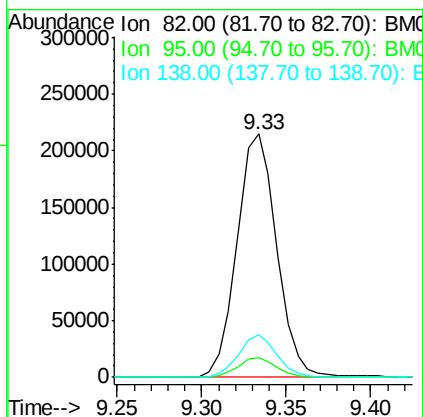
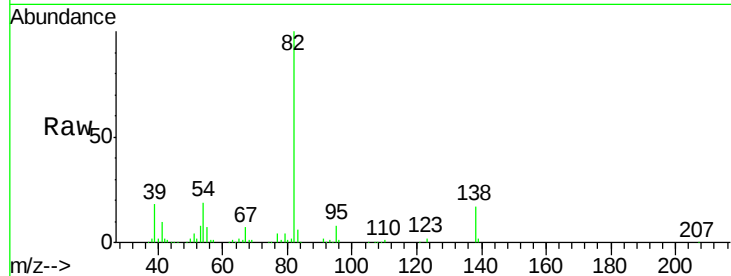




#21
Isophorone
Concen: 20.39 ng/ul
RT: 9.33 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BM006443.D
Acq: 15 Jul 2016 15:03

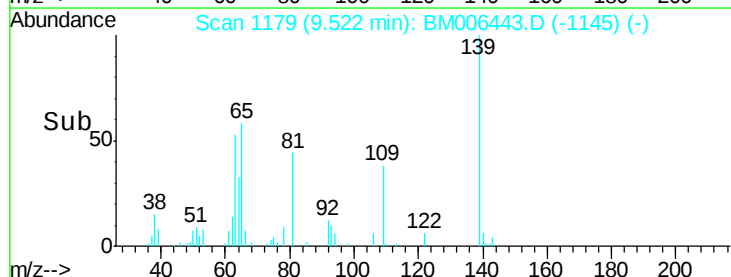
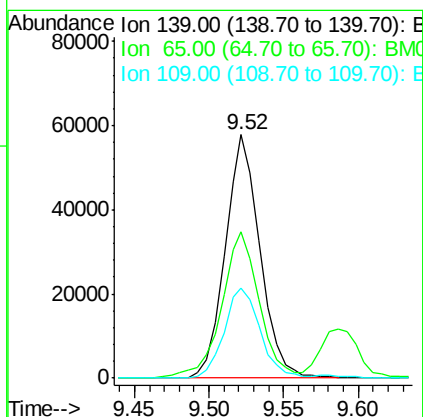
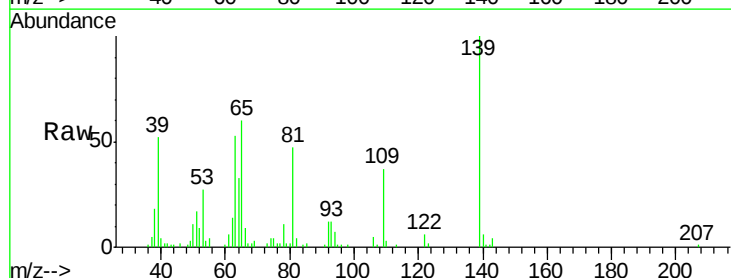
Instrument :
BNA_M
ClientSampleId :
SSTD02064

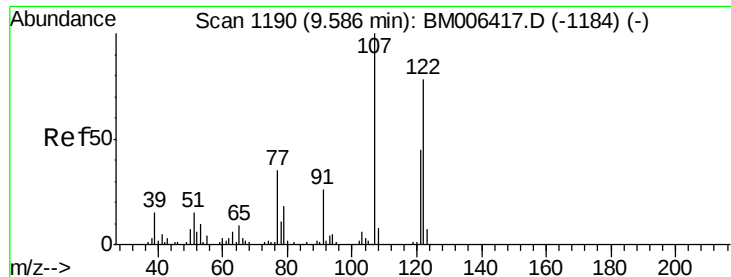
Tgt Ion: 82 Resp: 352011
Ion Ratio Lower Upper
82 100
95 8.2 6.0 9.0
138 17.3 13.0 19.4



#23
2-Nitrophenol
Concen: 20.78 ng/ul
RT: 9.52 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BM006443.D
Acq: 15 Jul 2016 15:03

Tgt Ion: 139 Resp: 93811
Ion Ratio Lower Upper
139 100
65 60.2 47.2 70.8
109 37.0 30.2 45.2





#24

2,4-Dimethylphenol

Concen: 20.38 ng/ul

RT: 9.59 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

Instrument :

BNA_M

ClientSampleId :

SSTD02064

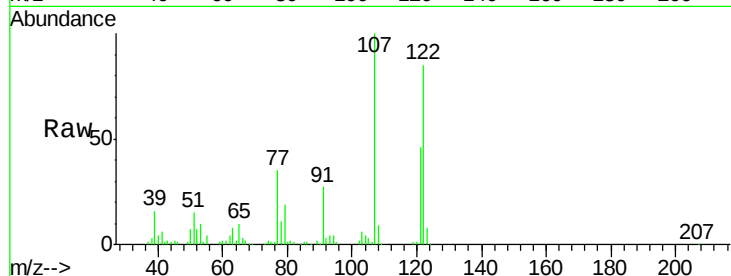
Tgt Ion: 107 Resp: 198895

Ion Ratio Lower Upper

107 100

121 46.5 39.2 58.8

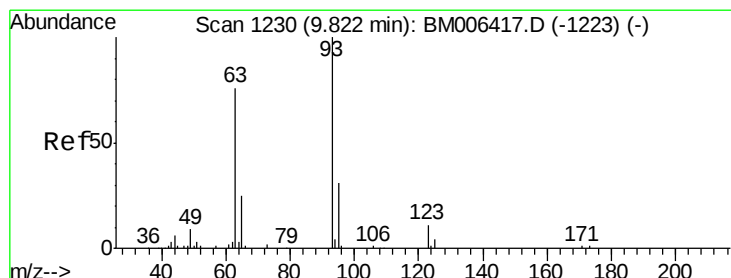
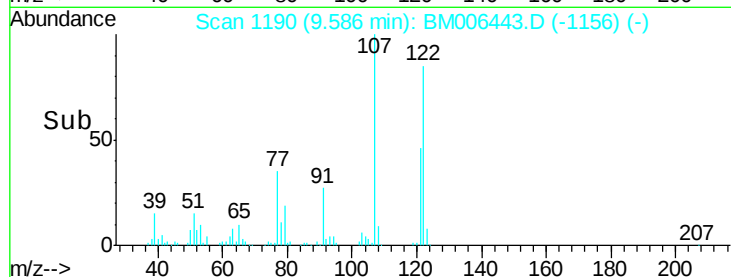
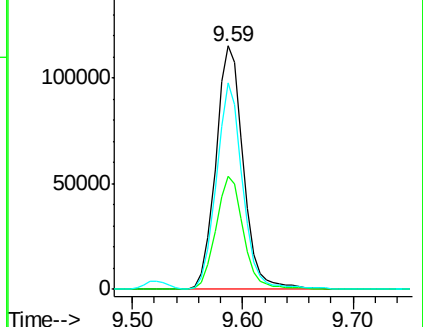
122 84.7 66.4 99.6



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: 20.73 ng/ul

RT: 9.82 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BM006443.D

Acq: 15 Jul 2016 15:03

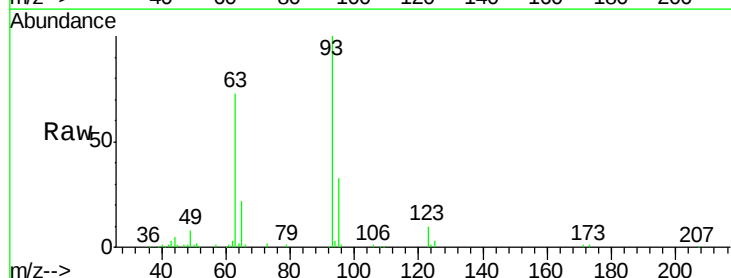
Tgt Ion: 93 Resp: 214074

Ion Ratio Lower Upper

93 100

95 32.9 25.8 38.6

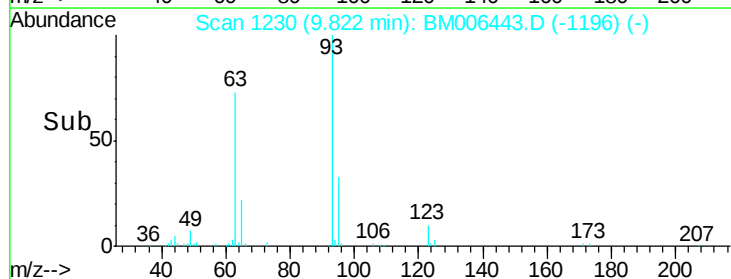
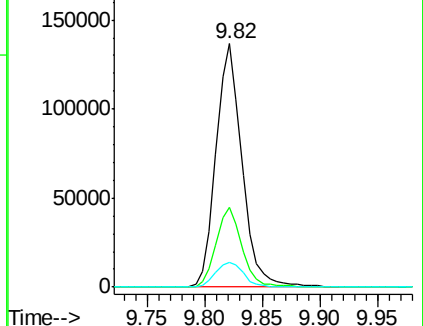
123 10.2 8.3 12.5

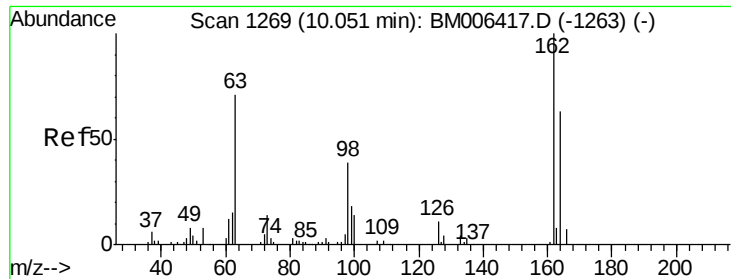


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

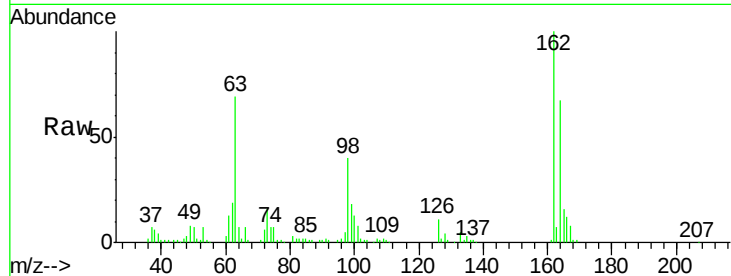




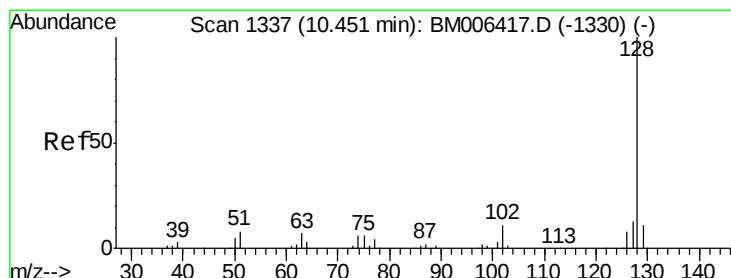
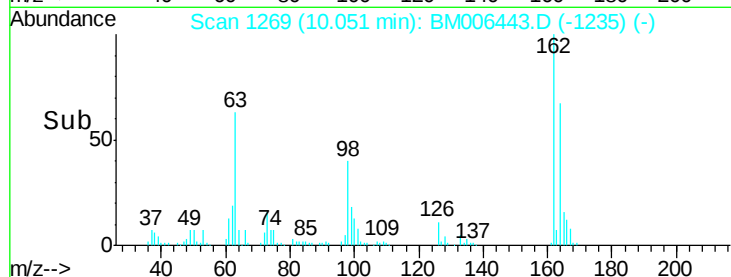
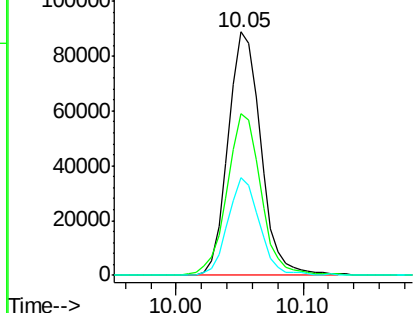
#27
 2,4-Dichlorophenol
 Concen: 20.38 ng/ul
 RT: 10.05 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BM006443.D
 Acq: 15 Jul 2016 15:03

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02064

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.6	51.6	77.4
98	40.3	30.3	45.5

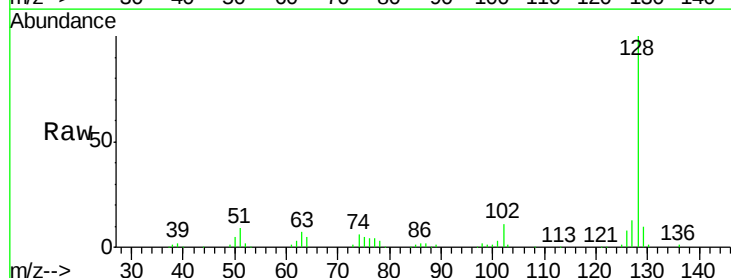


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM



#28
 Naphthalene
 Concen: 20.81 ng/ul
 RT: 10.45 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: BM006443.D
 Acq: 15 Jul 2016 15:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.6	13.0
127	12.6	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

