

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
 Data File : BM007047.D
 Acq On : 12 Aug 2016 17:28
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02060

Quant Time: Aug 12 23:04:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 23:03:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	253634	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	988997	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	562160	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1330345	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	1658082	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	1801423	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	53562	9.23	ng/uL	0.01
5) Phenol-d5	6.98	99	410085	19.96	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	237222	20.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	337602	20.63	ng/ul	0.01
13) 4-Methylphenol-d8	8.52	113	320036	18.93	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	149270	20.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	162072	21.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	328531	20.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	383890	20.07	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	931876	20.06	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1158241	20.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	162941	19.57	ng/ul	0.00
57) Fluorene-d10	15.44	176	813108	20.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	133389	18.14	ng/ul	0.01
70) Anthracene-d10	17.29	188	1271903	20.64	ng/ul	0.00
76) Pyrene-d10	19.58	212	1484908	21.22	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	1678407	20.37	ng/ul	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.36	88	51468	8.52	ng/uL#	72
4) Benzaldehyde	6.96	77	280024	22.67	ng/ul	98
6) Phenol	7.00	94	427521	19.75	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.25	93	323470	20.25	ng/ul	97
10) 2-Chlorophenol	7.38	128	340419	20.34	ng/ul	99
11) 2-Methylphenol	8.25	108	312964	19.23	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.35	45	363224	19.85	ng/ul	99
14) Acetophenone	8.63	105	496307	19.06	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.62	70	255212	18.84	ng/ul	96
16) 4-Methylphenol	8.57	108	335918	18.91	ng/ul	95
17) Hexachloroethane	8.89	117	142038	20.33	ng/ul	96
20) Nitrobenzene	9.01	77	375883	20.34	ng/ul	99
21) Isophorone	9.53	82	688205	19.88	ng/ul	99
23) 2-Nitrophenol	9.72	139	181286	21.59	ng/ul	97
24) 2,4-Dimethylphenol	9.77	107	385577	20.04	ng/ul	100
25) Bis(2-Chloroethoxy)methane	10.02	93	418478	20.13	ng/ul	98
27) 2,4-Dichlorophenol	10.25	162	324607	20.27	ng/ul	100
28) Naphthalene	10.65	128	962989	19.66	ng/ul	99
30) 4-Chloroaniline	10.76	127	386614	19.71	ng/ul	99
31) Hexachlorobutadiene	10.93	225	241709	20.42	ng/ul	97
32) Caprolactam	11.51	113	83055	15.31	ng/ul	93
33) 4-Chloro-3-methylphenol	11.88	107	347386	19.86	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	732516	19.40	ng/ul	100

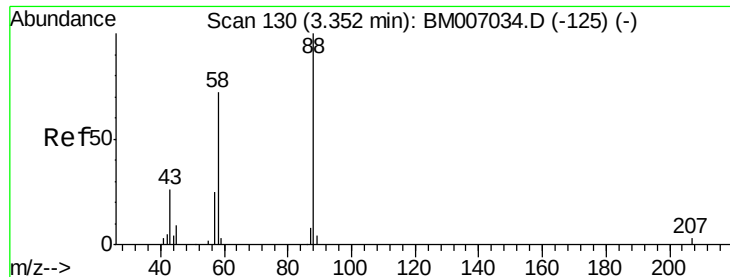
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.63	216	425722	21.41	ng/ul	99
37) Hexachlorocyclopentadiene	12.61	237	266843	21.08	ng/ul	99
38) 2,4,6-Trichlorophenol	12.87	196	274818	21.56	ng/ul	98
39) 2,4,5-Trichlorophenol	12.94	196	284114	21.28	ng/ul	99
40) 1,1'-Biphenyl	13.28	154	945466	20.96	ng/ul	98
41) 2-Chloronaphthalene	13.32	162	736869	20.82	ng/ul	98
42) 2-Nitroaniline	13.52	65	214604	21.13	ng/ul	99
44) Dimethylphthalate	13.90	163	929798	20.03	ng/ul	100
45) 2,6-Dinitrotoluene	14.02	165	184407	20.44	ng/ul	97
47) Acenaphthylene	14.17	152	1170719	20.38	ng/ul	99
48) 3-Nitroaniline	14.34	138	166619	18.67	ng/ul	100
49) Acenaphthene	14.51	153	744135	19.96	ng/ul	100
50) 2,4-Dinitrophenol	14.56	184	88023	16.45	ng/ul	94
52) 4-Nitrophenol	14.65	109	160608	18.98	ng/ul	94
53) Dibenzofuran	14.84	168	1095369	19.79	ng/ul	99
54) 2,4-Dinitrotoluene	14.81	165	268801	20.19	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	15.07	232	262269	20.32	ng/ul#	98
56) Diethylphthalate	15.27	149	940867	19.21	ng/ul	98
58) Fluorene	15.49	166	881880	19.76	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.49	204	464539	19.71	ng/ul	100
60) 4-Nitroaniline	15.51	138	147583	14.11	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.57	198	146846	18.36	ng/ul	96
64) N-Nitrosodiphenylamine	15.70	169	782061	20.77	ng/ul	99
65) 4-Bromophenyl-phenylether	16.39	248	318079	21.11	ng/ul	94
66) Hexachlorobenzene	16.49	284	356256	20.90	ng/ul	97
67) Atrazine	16.65	200	316172	20.83	ng/ul	98
68) Pentachlorophenol	16.84	266	224044	21.37	ng/ul	97
69) Phenanthrene	17.23	178	1442631	20.17	ng/ul	100
71) Anthracene	17.32	178	1487469	20.26	ng/ul	99
72) Carbazole	17.59	167	1313425	20.76	ng/ul	99
73) Di-n-butylphthalate	18.16	149	1673504	21.64	ng/ul	99
74) Fluoranthene	19.24	202	1852941	21.35	ng/ul	99
77) Pyrene	19.61	202	1907977	20.81	ng/ul	99
78) Butylbenzylphthalate	20.52	149	806739	22.64	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.29	252	538595	16.82	ng/ul	99
80) Benzo(a)anthracene	21.36	228	2008334	20.50	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.29	149	1182543	22.42	ng/ul	99
82) Chrysene	21.41	228	1828128	20.42	ng/ul	99
84) Di-n-octyl phthalate	22.19	149	2053846	22.10	ng/ul	100
85) Benzo(b)fluoranthene	22.96	252	2186309	20.15	ng/ul	99
86) Benzo(k)fluoranthene	23.01	252	2045873	20.08	ng/ul	99
88) Benzo(a)pyrene	23.55	252	2089306	20.31	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.95	276	2541539	20.16	ng/ul	99
90) Dibenzo(a,h)anthracene	25.96	278	2146920	20.29	ng/ul	98
91) Benzo(g,h,i)perylene	26.66	276	2141577	20.09	ng/ul	99

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



#2

1,4-Dioxane

Concen: 8.52 ng/uL

RT: 3.36 min Scan# 132

Delta R.T. 0.01 min

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SSTD02060

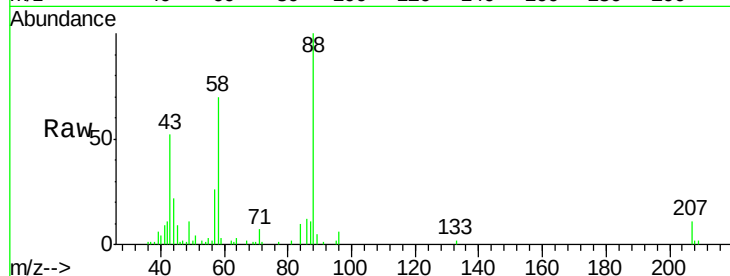
Tgt Ion: 88 Resp: 51468

Ion Ratio Lower Upper

88 100

43 71.1 22.6 34.0#

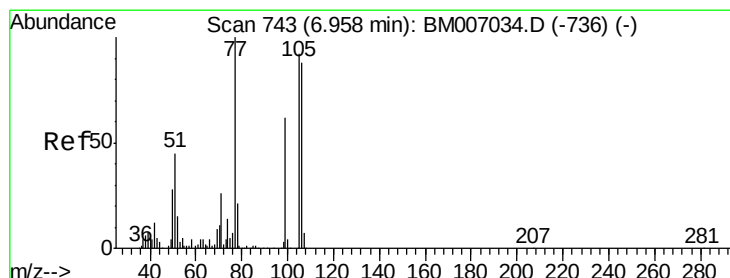
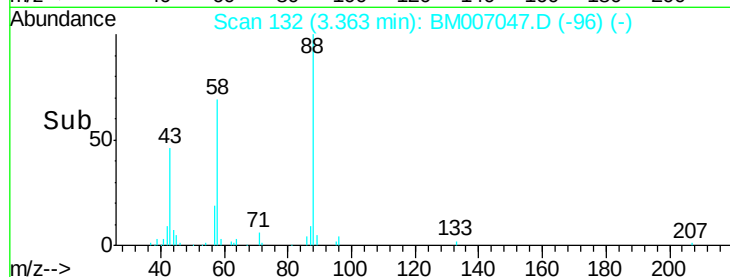
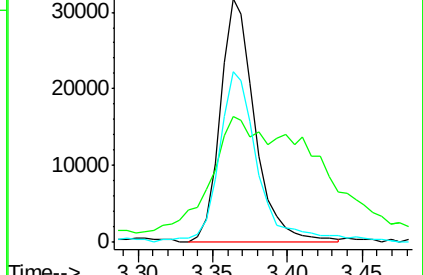
58 77.1 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): BM007047.D (-132) (-)

Ion 43.00 (42.70 to 43.70): BM007047.D (-132) (-)

Ion 58.00 (57.70 to 58.70): BM007047.D (-132) (-)



#4

Benzaldehyde

Concen: 22.67 ng/uL

RT: 6.96 min Scan# 744

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

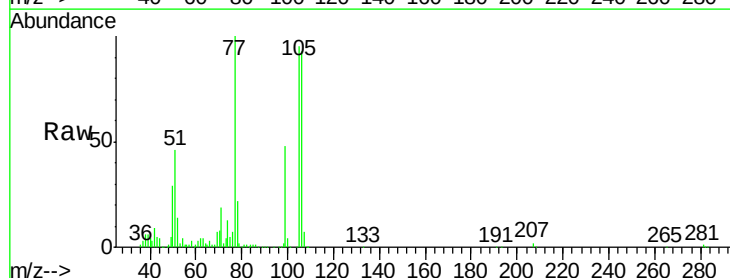
Tgt Ion: 77 Resp: 280024

Ion Ratio Lower Upper

77 100

105 95.5 76.9 115.3

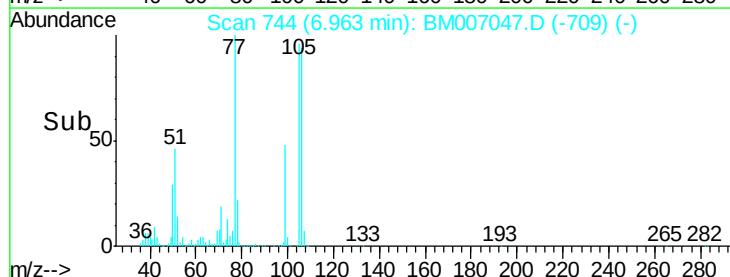
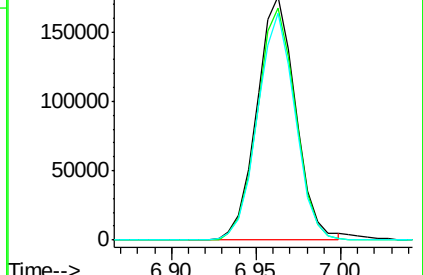
106 93.4 71.8 107.8

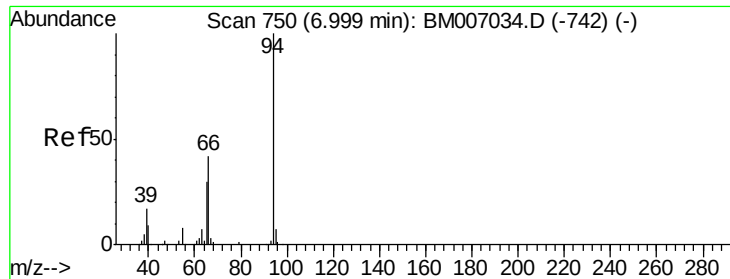


Abundance Ion 77.00 (76.70 to 77.70): BM007047.D (-744) (-)

Ion 105.00 (104.70 to 105.70): BM007047.D (-744) (-)

Ion 106.00 (105.70 to 106.70): BM007047.D (-744) (-)





#6

Phenol

Concen: 19.75 ng/ul

RT: 7.00 min Scan# 751

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

Instrument :

BNA_M

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SSTD02060

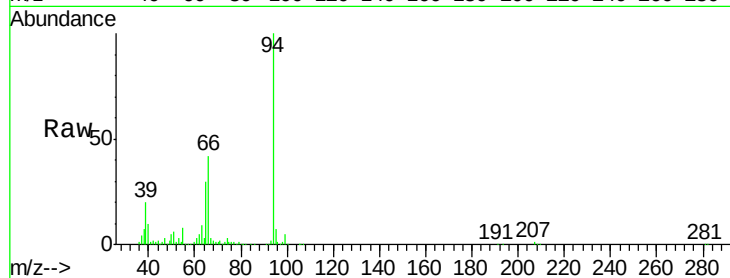
Tgt Ion: 94 Resp: 427521

Ion Ratio Lower Upper

94 100

65 30.1 23.9 35.9

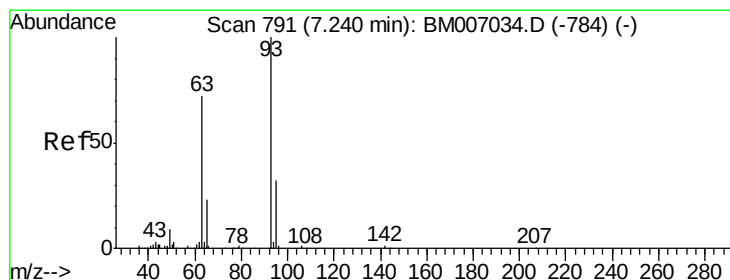
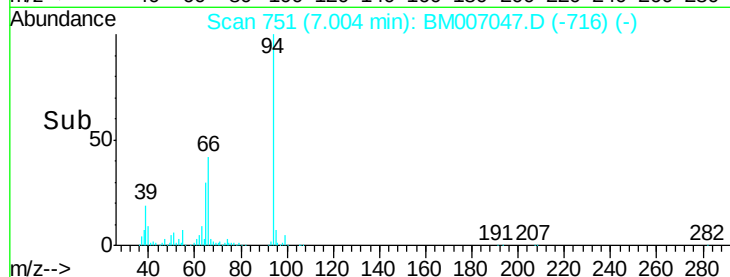
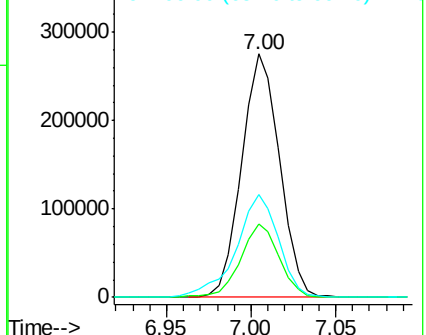
66 42.3 33.5 50.3



Abundance Ion 94.00 (93.70 to 94.70): BM007047.D (-742) (-)

Ion 65.00 (64.70 to 65.70): BM007047.D (-742) (-)

Ion 66.00 (65.70 to 66.70): BM007047.D (-742) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 20.25 ng/ul

RT: 7.25 min Scan# 792

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

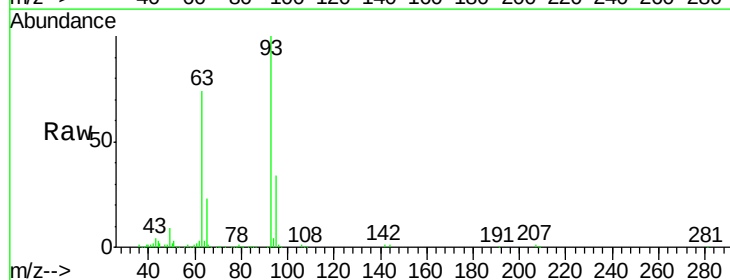
Tgt Ion: 93 Resp: 323470

Ion Ratio Lower Upper

93 100

63 73.8 57.3 85.9

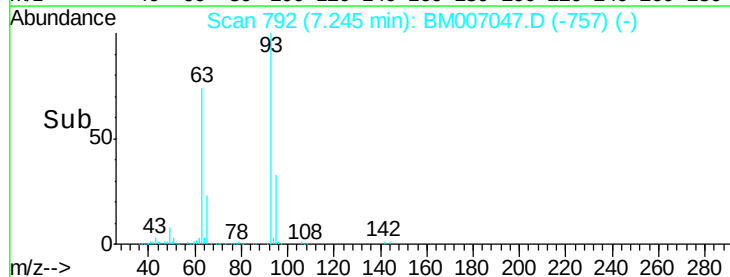
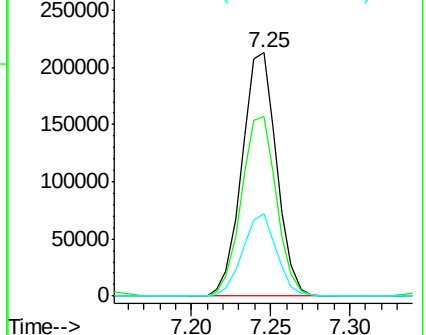
95 33.6 25.1 37.7

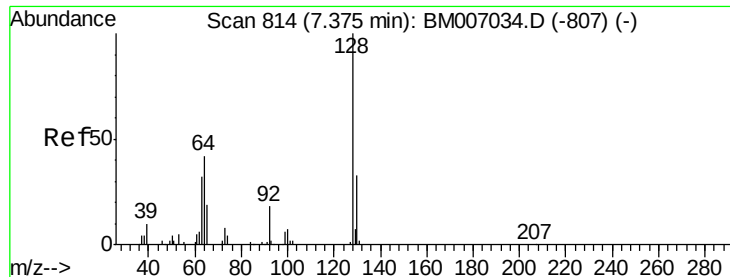


Abundance Ion 93.00 (92.70 to 93.70): BM007047.D (-784) (-)

Ion 63.00 (62.70 to 63.70): BM007047.D (-784) (-)

Ion 95.00 (94.70 to 95.70): BM007047.D (-784) (-)

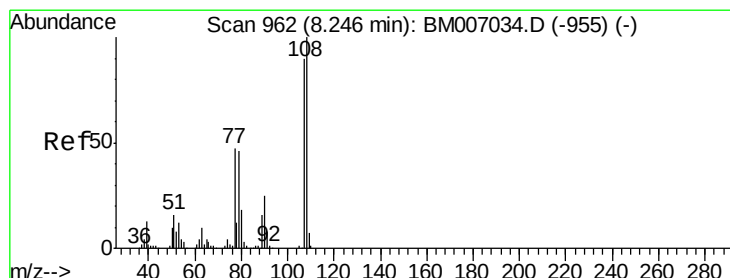
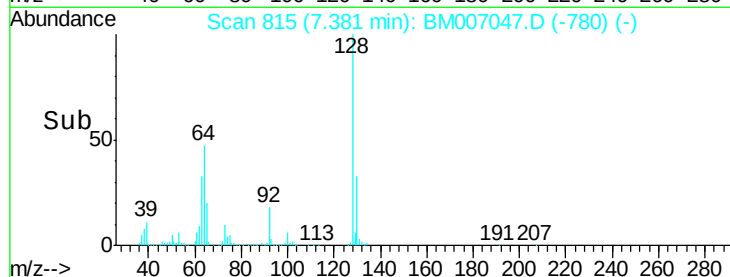
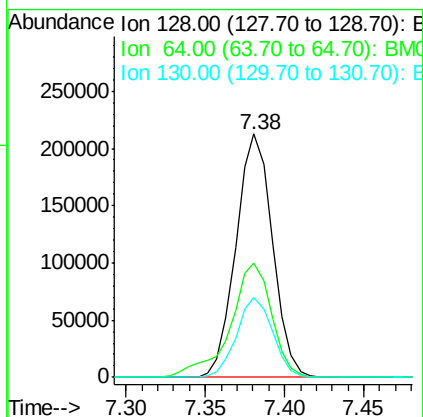
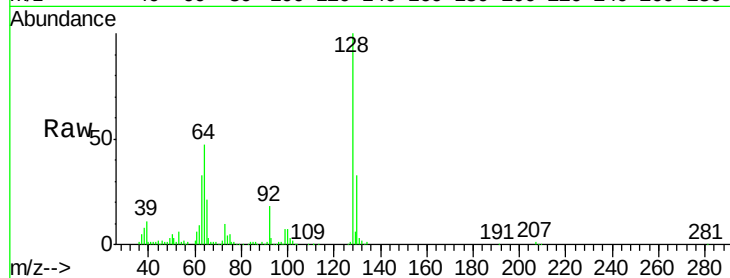




#10
 2-Chlorophenol
 Concen: 20.34 ng/ul
 RT: 7.38 min Scan# 815
 Delta R.T. 0.01 min
 Lab File: BM007047.D
 Acq: 12 Aug 2016 17:28

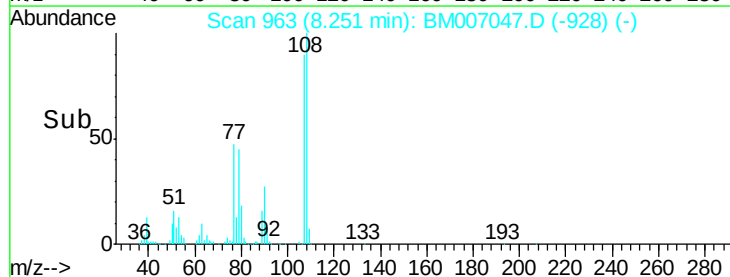
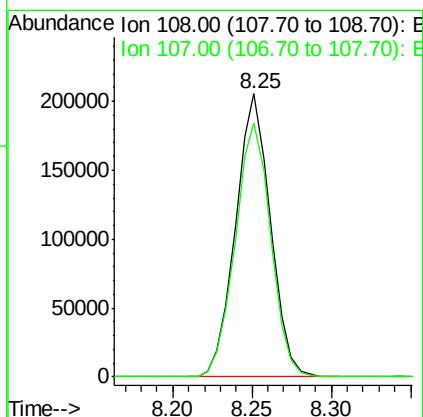
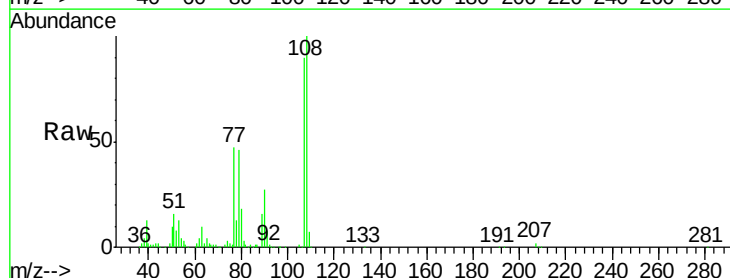
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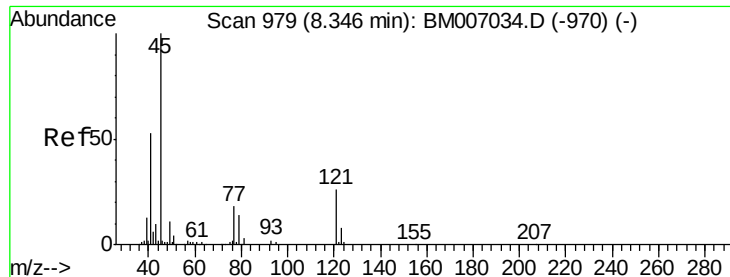
Tgt Ion:128 Resp: 340419
 Ion Ratio Lower Upper
 128 100
 64 47.1 37.5 56.3
 130 32.7 25.0 37.4



#11
 2-Methylphenol
 Concen: 19.23 ng/ul
 RT: 8.25 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: BM007047.D
 Acq: 12 Aug 2016 17:28

Tgt Ion:108 Resp: 312964
 Ion Ratio Lower Upper
 108 100
 107 89.7 71.8 107.6

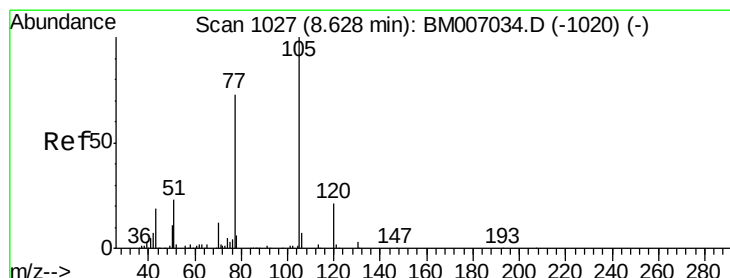
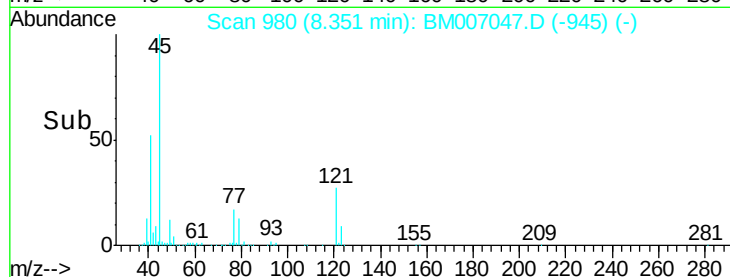
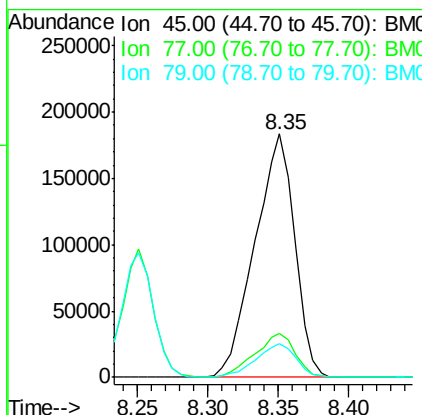
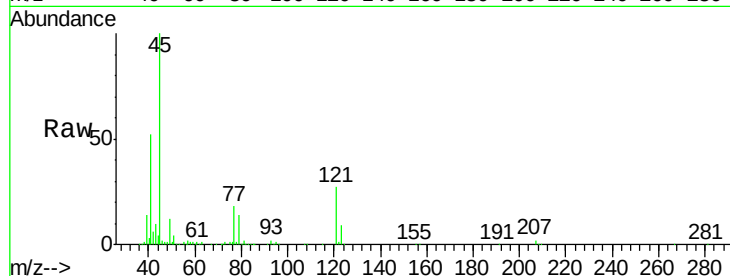




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 19.85 ng/ul
 RT: 8.35 min Scan# 980
 Delta R.T. 0.01 min
 Lab File: BM007047.D
 Acq: 12 Aug 2016 17:28

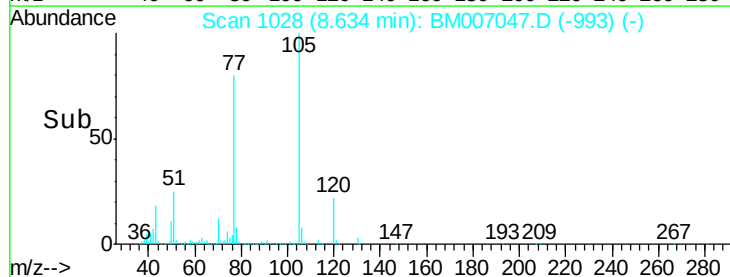
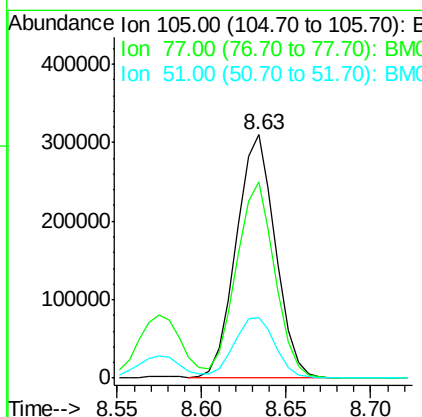
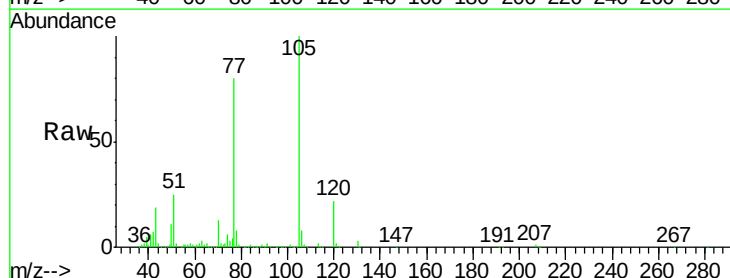
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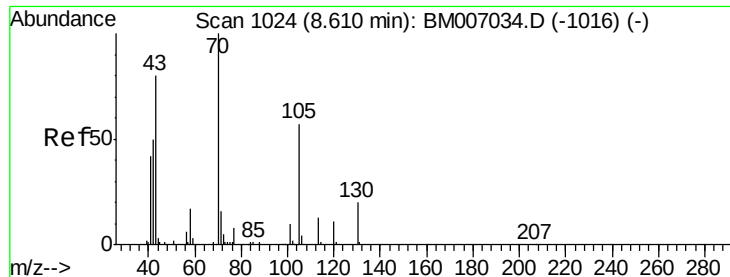
Tgt Ion	Ratio	Lower	Upper
45	100		
77	17.8	14.1	21.1
79	13.7	10.4	15.6



#14
 Acetophenone
 Concen: 19.06 ng/ul
 RT: 8.63 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BM007047.D
 Acq: 12 Aug 2016 17:28

Tgt Ion	Ratio	Lower	Upper
105	100		
77	80.4	65.9	98.9
51	24.7	22.2	33.2

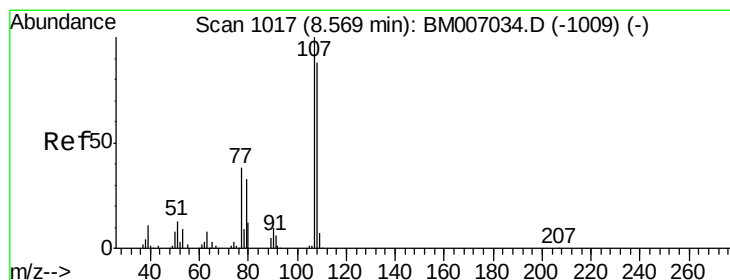
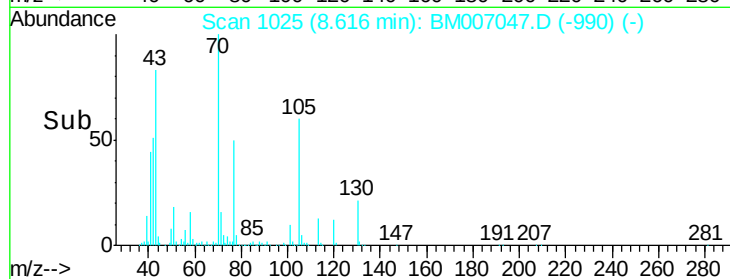
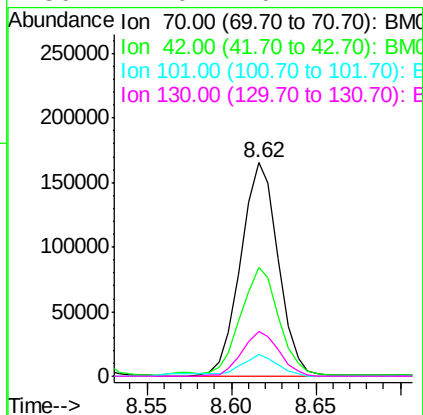
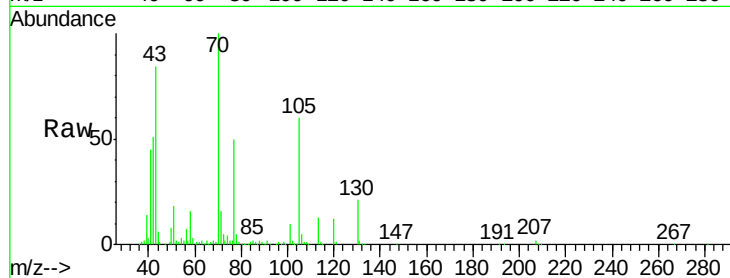




#15
N-Nitroso-di-n-propylamine
Concen: 18.84 ng/ul
RT: 8.62 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BM007047.D
Acq: 12 Aug 2016 17:28

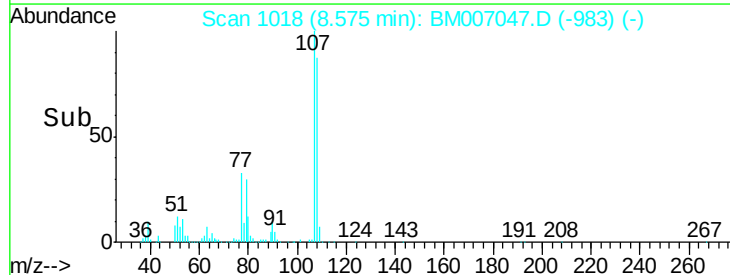
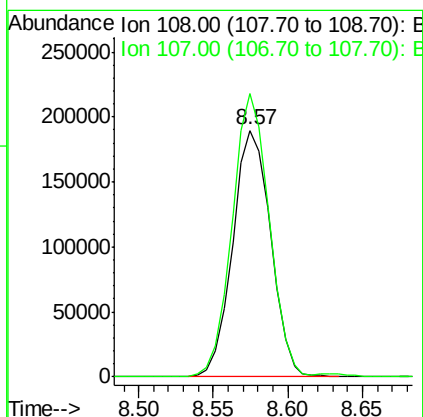
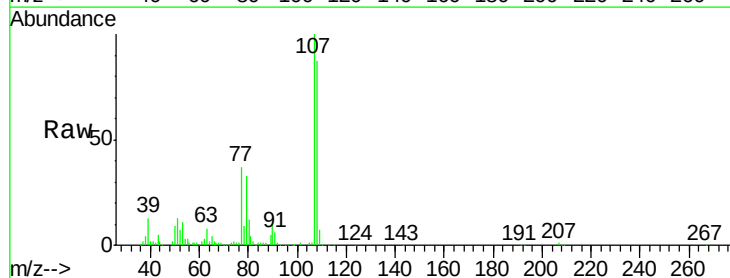
Instrument :
BNA_M
ClientSampleId :
SSTD02060

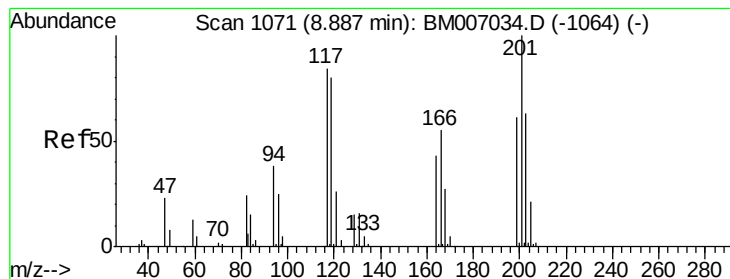
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Ion	Ratio	Lower	Upper
70	100		
42	50.9	43.4	65.2
101	10.3	7.8	11.6
130	21.0	16.2	24.4



#16
4-Methylphenol
Concen: 18.91 ng/ul
RT: 8.57 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BM007047.D
Acq: 12 Aug 2016 17:28

Tgt Ion:	108	Resp:	335918
Ion	Ratio	Lower	Upper
108	100		
107	114.8	87.8	131.8





#17

Hexachloroethane

Concen: 20.33 ng/ul

RT: 8.89 min Scan# 1072

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD02060

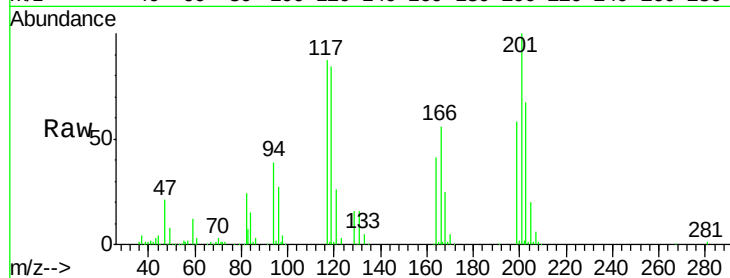
Tgt Ion: 117 Resp: 142038

Ion Ratio Lower Upper

117 100

201 114.7 90.3 135.5

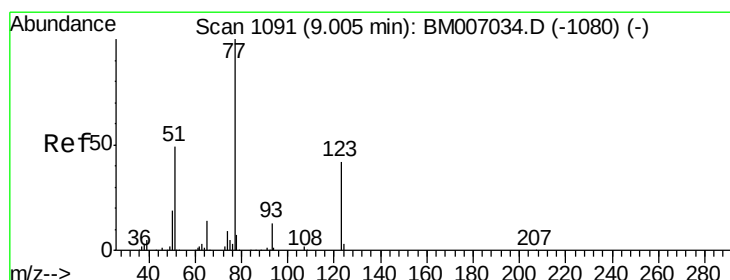
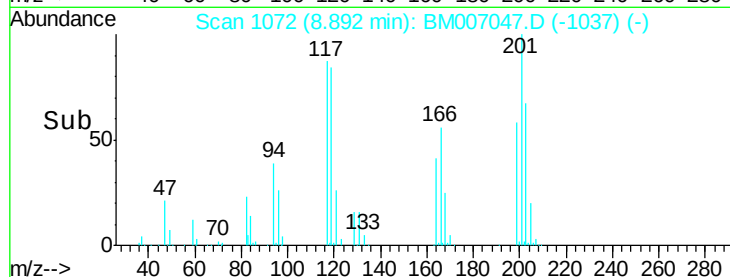
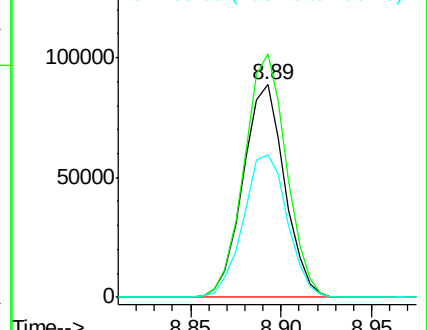
199 66.9 58.5 87.7



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: 20.34 ng/ul

RT: 9.01 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

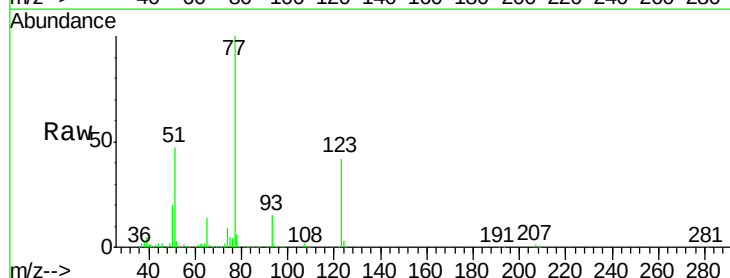
Tgt Ion: 77 Resp: 375883

Ion Ratio Lower Upper

77 100

123 42.3 34.2 51.4

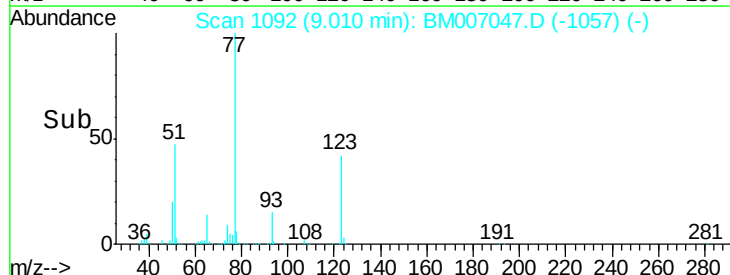
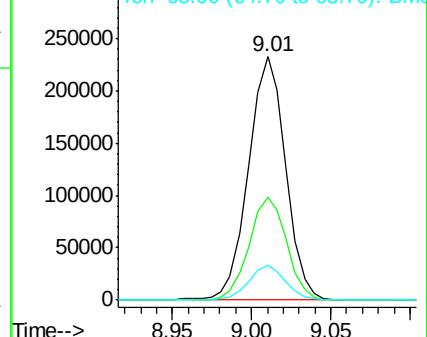
65 14.2 11.0 16.6

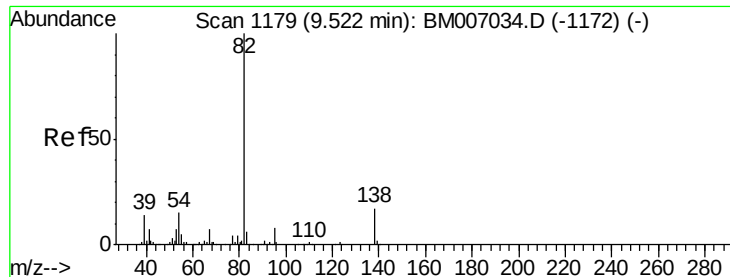


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM





#21

Isophorone

Concen: 19.88 ng/ul

RT: 9.53 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

Instrument :

BNA_M

ClientSampled :

SSTD02060

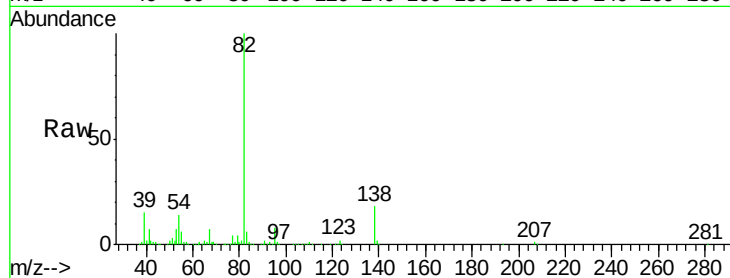
Tgt Ion: 82 Resp: 688205

Ion Ratio Lower Upper

82 100

95 8.5 6.9 10.3

138 17.8 13.8 20.8

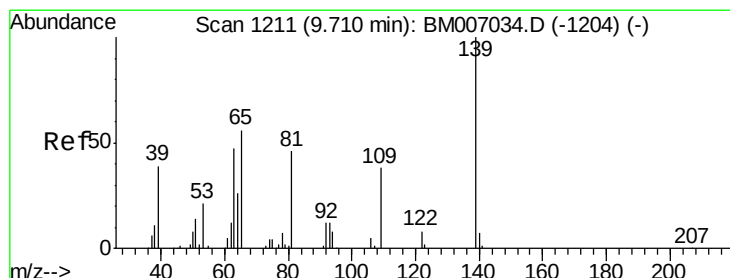
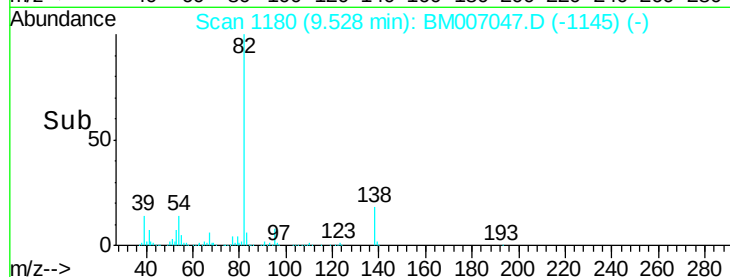
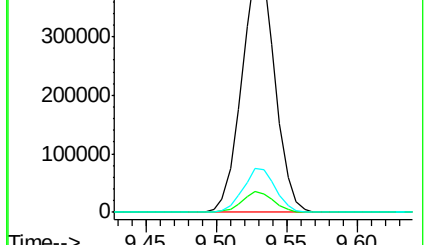


Abundance Ion 82.00 (81.70 to 82.70): BM007047.D (-1180) (-)

Ion 95.00 (94.70 to 95.70): BM007047.D (-1180) (-)

Ion 138.00 (137.70 to 138.70): BM007047.D (-1180) (-)

9.53



#23

2-Nitrophenol

Concen: 21.59 ng/ul

RT: 9.72 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

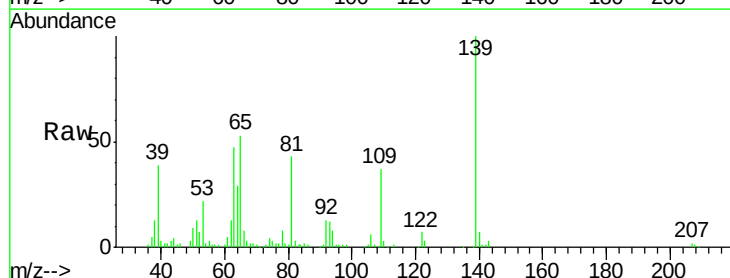
Tgt Ion: 139 Resp: 181286

Ion Ratio Lower Upper

139 100

65 53.1 44.2 66.4

109 37.3 28.2 42.4

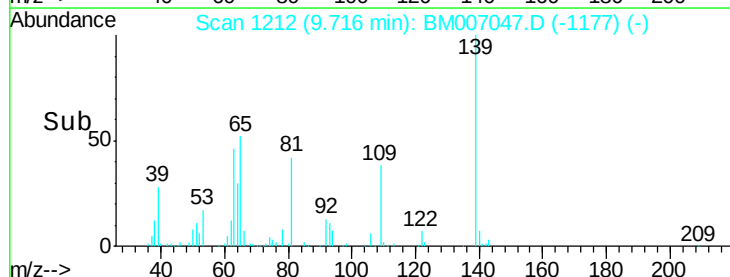
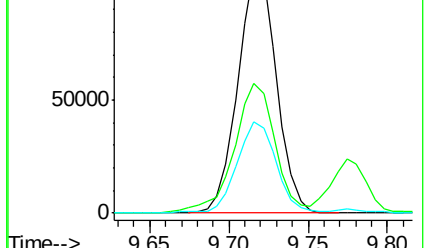


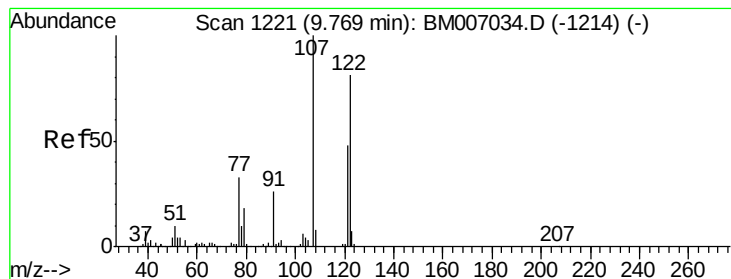
Abundance Ion 139.00 (138.70 to 139.70): BM007047.D (-1212) (-)

Ion 65.00 (64.70 to 65.70): BM007047.D (-1212) (-)

Ion 109.00 (108.70 to 109.70): BM007047.D (-1212) (-)

9.72





#24

2,4-Dimethylphenol

Concen: 20.04 ng/ul

RT: 9.77 min Scan# 1222

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD02060

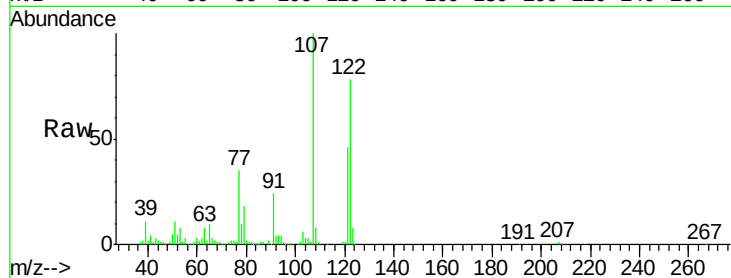
Tgt Ion: 107 Resp: 385577

Ion Ratio Lower Upper

107 100

121 46.5 37.1 55.7

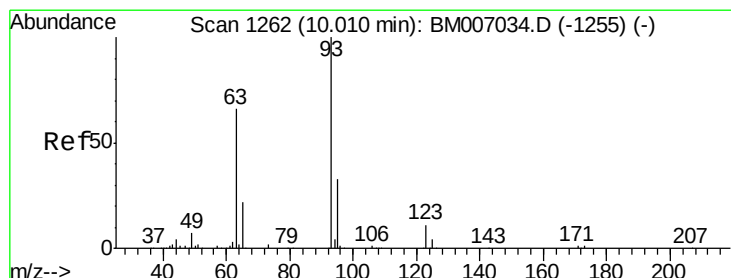
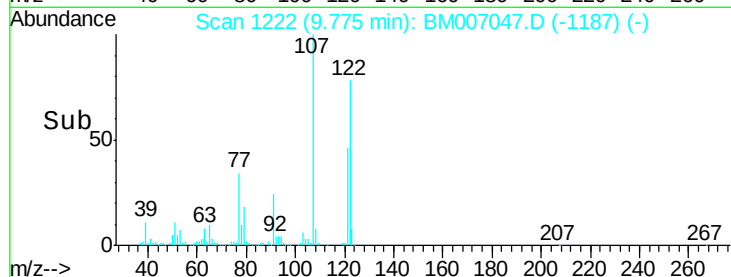
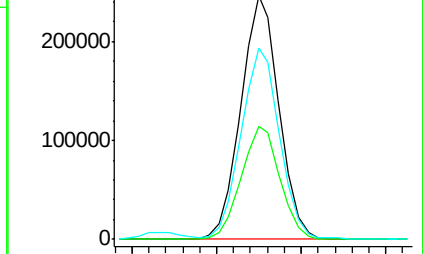
122 78.3 62.8 94.2



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: 20.13 ng/ul

RT: 10.02 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BM007047.D

Acq: 12 Aug 2016 17:28

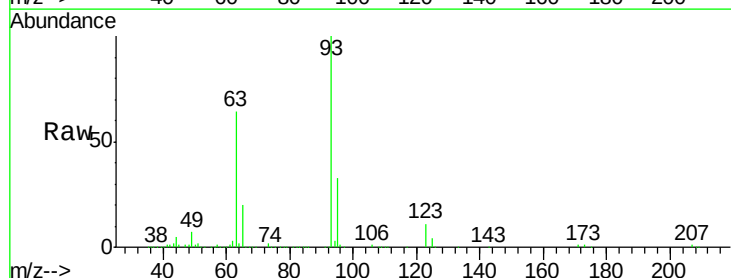
Tgt Ion: 93 Resp: 418478

Ion Ratio Lower Upper

93 100

95 33.1 25.4 38.0

123 11.1 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

