

Data File : BM017690.D
Acq On : 19 Nov 2018 19:38
Operator : MJ/SJ
Sample : SSTD02053
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02053

Quant Time: Nov 20 00:24:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 20 00:20:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	204514	20.00	ng/ul	0.00
18) Naphthalene-d8	10.37	136	925685	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.25	164	573806	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	1341561	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1571668	20.00	ng/ul	0.00
85) Perylene-d12	23.39	264	1533861	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	34787	6.61	ng/uL	0.00
5) Phenol-d5	6.79	99	350941	18.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	219261	20.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	287491	20.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	292767	20.08	ng/ul	0.00
19) Nitrobenzene-d5	8.75	128	142398	20.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	162035	21.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	310441	21.96	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	270046	21.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	983259	22.22	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	1203042	20.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	175523	21.94	ng/ul	0.00
57) Fluorene-d10	15.24	176	847011	21.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	179426	21.04	ng/ul	0.00
70) Anthracene-d10	17.10	188	1320888	20.70	ng/ul	0.00
78) Pyrene-d10	19.40	212	1498967	18.26	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.25	264	1656104	20.03	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.22	88	37018	6.594	ng/uL 100
4) Benzaldehyde	6.76	77	70875	19.684	ng/ul 100
6) Phenol	6.81	94	354225	18.572	ng/ul 100
8) Bis(2-Chloroethyl)ether	7.04	93	276926	20.437	ng/ul 100
10) 2-Chlorophenol	7.17	128	290401	20.193	ng/ul 100
11) 2-Methylphenol	8.05	108	271176	19.757	ng/ul 100
12) 2,2'-oxybis(1-Chloropropan	8.13	45	330595	21.772	ng/ul 100
14) Acetophenone	8.42	105	456337	20.364	ng/ul 100
15) N-Nitroso-di-n-propylamine	8.40	70	246418	23.582	ng/ul 100
16) 4-Methylphenol	8.37	108	294453	19.881	ng/ul 100
17) Hexachloroethane	8.66	117	116123	19.988	ng/ul 100
20) Nitrobenzene	8.79	77	351777	19.389	ng/ul 100
21) Isophorone	9.32	82	662137	22.943	ng/ul 100
23) 2-Nitrophenol	9.50	139	171691	21.809	ng/ul 100
24) 2,4-Dimethylphenol	9.56	107	351304	20.440	ng/ul 100
25) Bis(2-Chloroethoxy)methane	9.80	93	403508	22.296	ng/ul 100
27) 2,4-Dichlorophenol	10.03	162	295399	21.243	ng/ul 100
28) Naphthalene	10.42	128	950804	19.697	ng/ul 100
30) 4-Chloroaniline	10.55	127	276857	21.890	ng/ul 100
31) Hexachlorobutadiene	10.70	225	193129	20.586	ng/ul 100
32) Caprolactam	11.32	113	46106	10.870	ng/ul 100
33) 4-Chloro-3-methylphenol	11.67	107	327570	22.539	ng/ul 100
34) 2-Methylnaphthalene	12.04	142	709724	21.291	ng/ul 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.42	216	375667	18.913	ng/ul	100
37) Hexachlorocyclopentadiene	12.39	237	229029	20.529	ng/ul	100
38) 2,4,6-Trichlorophenol	12.66	196	247482	21.472	ng/ul	100
39) 2,4,5-Trichlorophenol	12.74	196	264974	20.654	ng/ul	100
40) 1,1'-Biphenyl	13.07	154	925750	19.513	ng/ul	100
41) 2-Chloronaphthalene	13.11	162	724500	19.064	ng/ul	100
42) 2-Nitroaniline	13.33	65	216401	21.134	ng/ul	100
44) Dimethylphthalate	13.72	163	950100	21.828	ng/ul	100
45) 2,6-Dinitrotoluene	13.84	165	191738	22.948	ng/ul	100
47) Acenaphthylene	13.96	152	1115561	20.208	ng/ul	100
48) 3-Nitroaniline	14.17	138	175766	20.545	ng/ul	100
49) Acenaphthene	14.31	153	800465	19.635	ng/ul	100
50) 2,4-Dinitrophenol	14.38	184	114769	22.761	ng/ul	100
52) 4-Nitrophenol	14.49	109	145499	20.295	ng/ul	100
53) Dibenzofuran	14.64	168	1134507	20.091	ng/ul	100
54) 2,4-Dinitrotoluene	14.63	165	290090	23.690	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.88	232	243389	23.061	ng/ul	100
56) Diethylphthalate	15.09	149	983964	24.202	ng/ul	100
58) Fluorene	15.30	166	945163	20.953	ng/ul	100
59) 4-Chlorophenyl-phenylether	15.30	204	485106	21.829	ng/ul	100
60) 4-Nitroaniline	15.34	138	186105	19.984	ng/ul	100
63) 4,6-Dinitro-2-methylphenol	15.39	198	186977	21.041	ng/ul	100
64) N-Nitrosodiphenylamine	15.52	169	827761	20.334	ng/ul	100
65) 4-Bromophenyl-phenylether	16.20	248	304846	21.354	ng/ul	100
66) Hexachlorobenzene	16.30	284	337958	19.956	ng/ul	100
67) Atrazine	16.48	200	301060	23.137	ng/ul	100
68) Pentachlorophenol	16.65	266	197358	21.604	ng/ul	100
69) Phenanthrene	17.04	178	1520516	19.644	ng/ul	100
71) Anthracene	17.13	178	1557873	20.178	ng/ul	100
72) 1,2,3,4-Tetrachlorobenzene	13.03	216	373673	17.266	ng/uL	100
73) Pentachlorobenzene	14.56	250	386123	18.563	ng/uL	100
74) Carbazole	17.42	167	1361302	19.587	ng/ul	100
75) Di-n-butylphthalate	17.98	149	1739311	28.753	ng/ul	100
76) Fluoranthene	19.07	202	1842525	21.262	ng/ul	100
79) Pyrene	19.43	202	1884035	17.898	ng/ul	100
80) Butylbenzylphthalate	20.34	149	816233	28.441	ng/ul	100
81) 3,3'-Dichlorobenzidine	21.13	252	633769	22.329	ng/ul	100
82) Benzo(a)anthracene	21.19	228	1934823	20.477	ng/ul	100
83) Bis(2-ethylhexyl)phthalate	21.13	149	1209097	33.869	ng/ul	100
84) Chrysene	21.24	228	1794985	19.107	ng/ul	100
86) Di-n-octyl phthalate	22.00	149	1989666	29.946	ng/ul	100
87) Benzo(b)fluoranthene	22.74	252	1843958	19.650	ng/ul	100
88) Benzo(k)fluoranthene	22.78	252	1861838	19.919	ng/ul	100
90) Benzo(a)pyrene	23.30	252	1790081	19.637	ng/ul	100
91) Indeno(1,2,3-cd)pyrene	25.57	276	1896263	20.627	ng/ul	100
92) Dibenzo(a,h)anthracene	25.58	278	1592682	20.842	ng/ul	100
93) Benzo(g,h,i)perylene	26.23	276	1516660	19.077	ng/ul	100

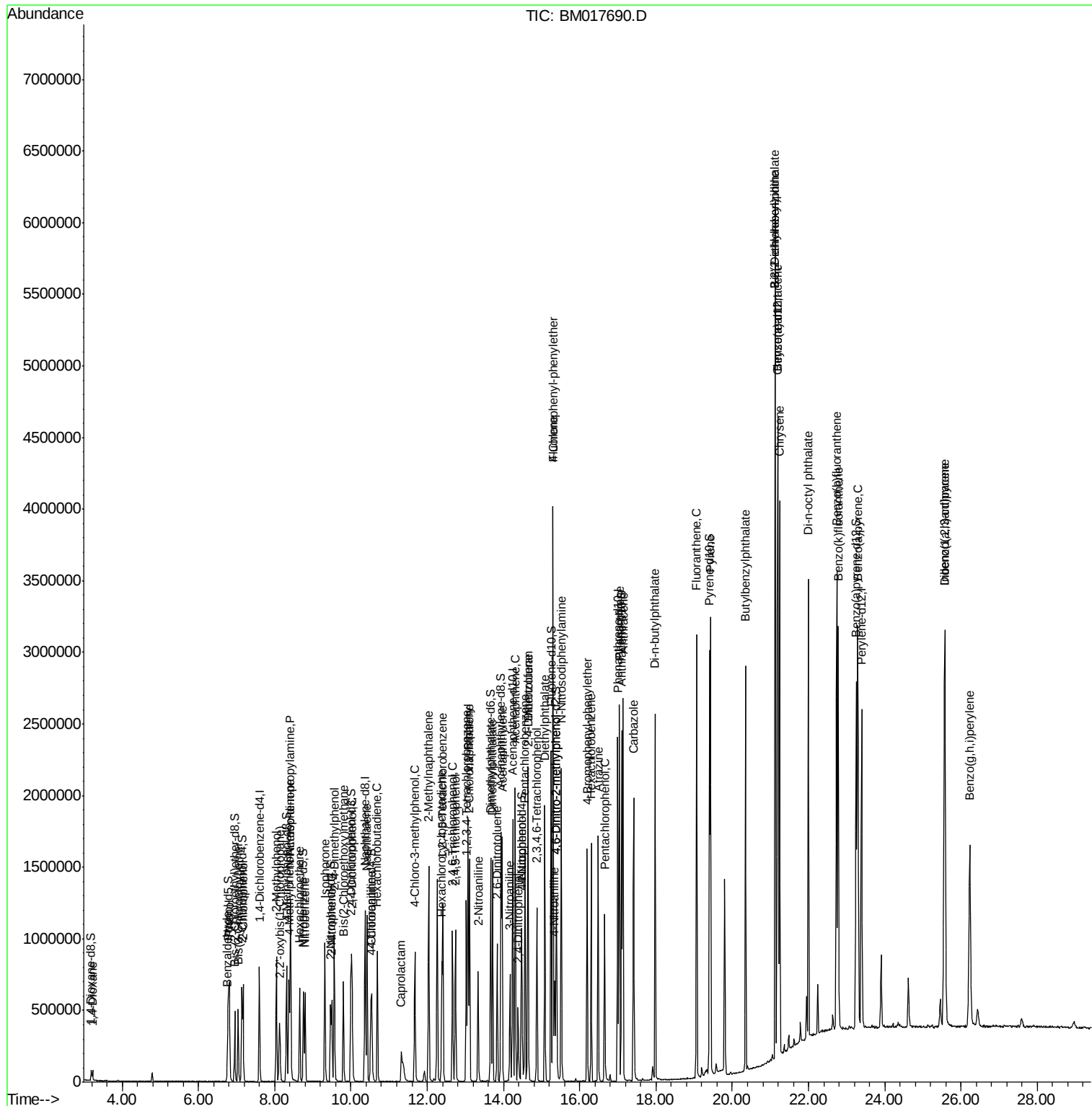
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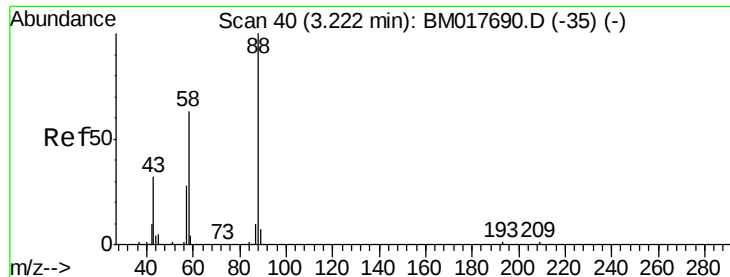
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#2

1,4-Dioxane

Concen: 6.594 ng/uL

RT: 3.22 min Scan# 40

Delta R.T. 0.00 min

Lab File: BM017690.D

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Instrument :

BNA_M

ClientSampleId :

SSTD02053

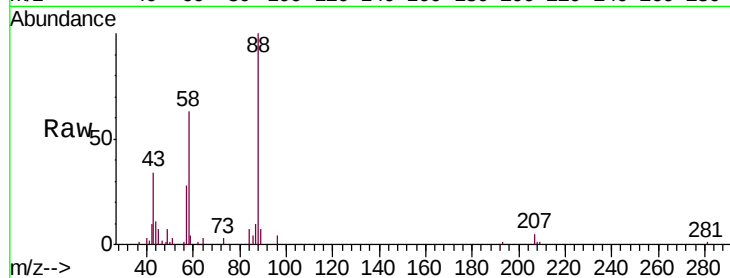
Tgt Ion: 88 Resp: 37018

Ion Ratio Lower Upper

88 100

43 34.2 27.4 41.0

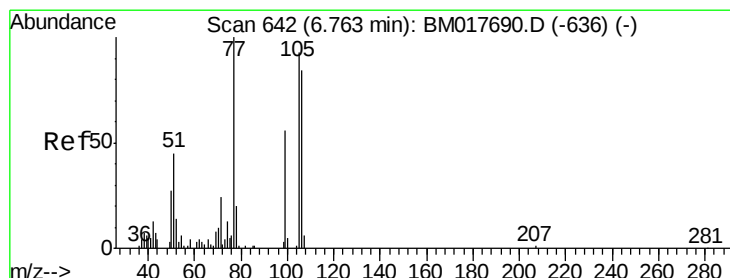
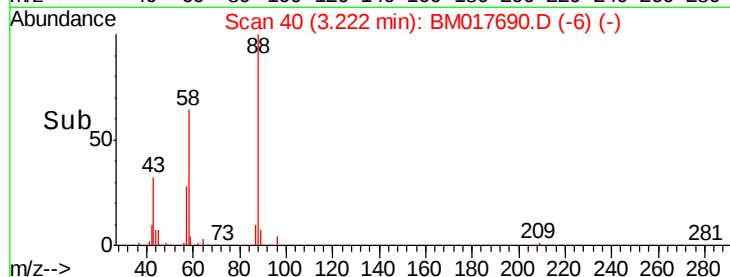
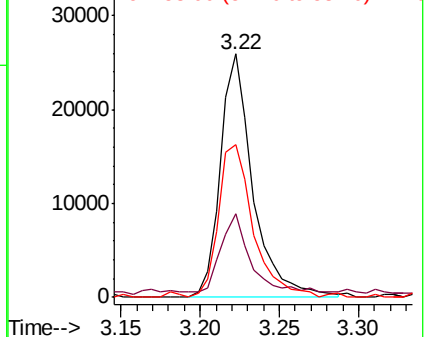
58 62.8 50.2 75.4



Abundance Ion 88.00 (87.70 to 88.70): BM017690.D (-35) (-)

Ion 43.00 (42.70 to 43.70): BM017690.D (-35) (-)

Ion 58.00 (57.70 to 58.70): BM017690.D (-35) (-)



#4

Benzaldehyde

Concen: 19.684 ng/uL

RT: 6.76 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

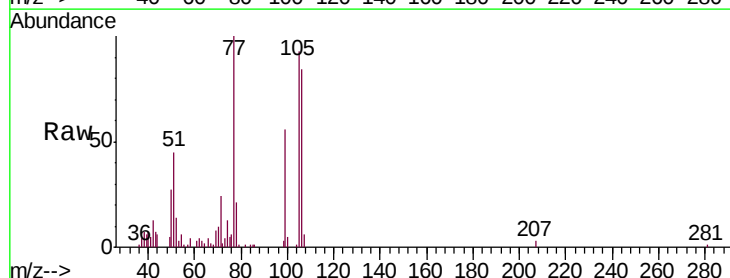
Tgt Ion: 77 Resp: 70875

Ion Ratio Lower Upper

77 100

105 93.0 74.4 111.6

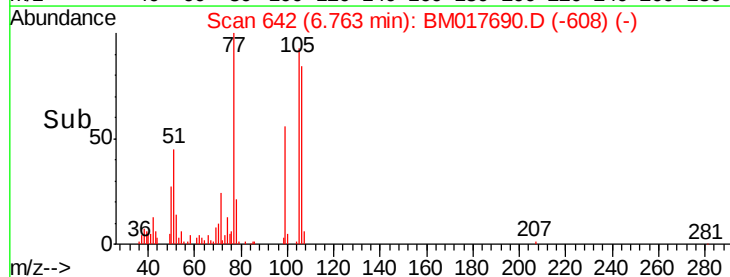
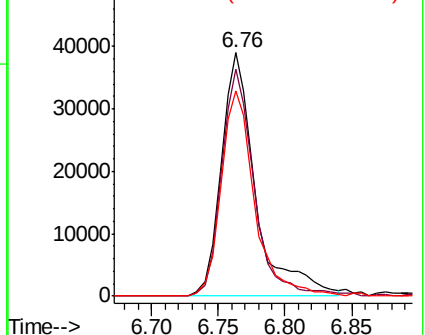
106 84.3 67.4 101.2

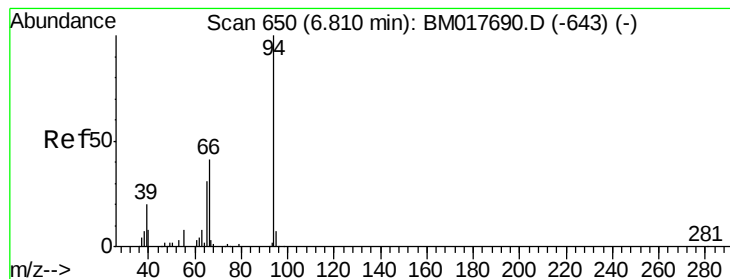


Abundance Ion 77.00 (76.70 to 77.70): BM017690.D (-636) (-)

Ion 105.00 (104.70 to 105.70): BM017690.D (-636) (-)

Ion 106.00 (105.70 to 106.70): BM017690.D (-636) (-)





#6

Phenol

Concen: 18.572 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

Instrument :

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ClientSampleId :

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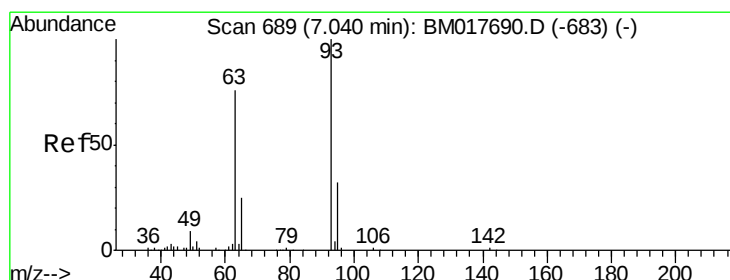
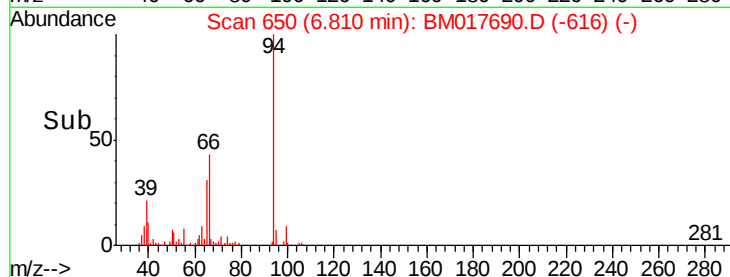
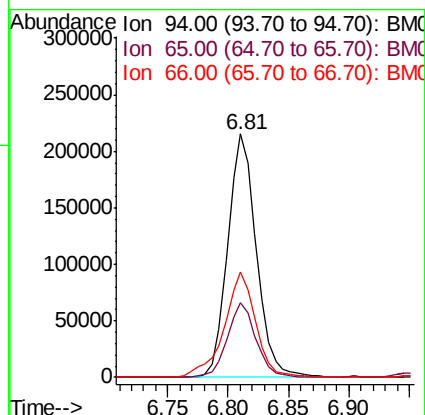
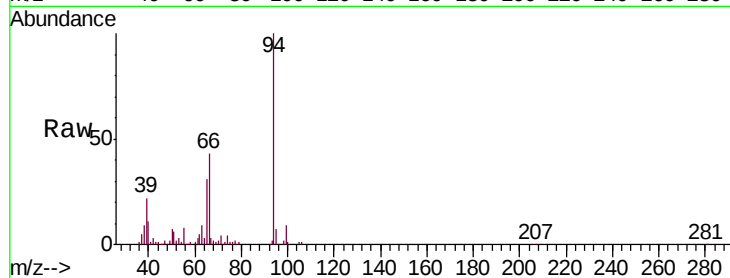
Tgt Ion: 94 Resp: 354225

Ion Ratio Lower Upper

94 100

65 30.9 24.7 37.1

66 43.2 34.6 51.8



#8

Bis(2-Chloroethyl)ether

Concen: 20.437 ng/ul

RT: 7.04 min Scan# 689

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

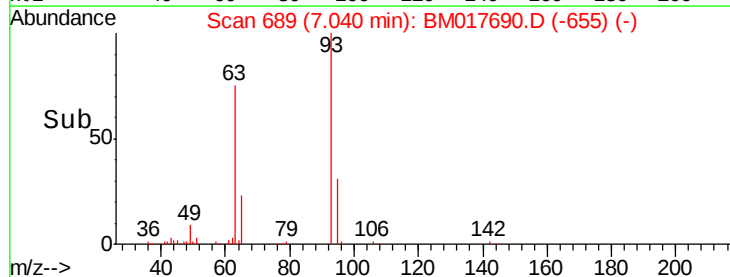
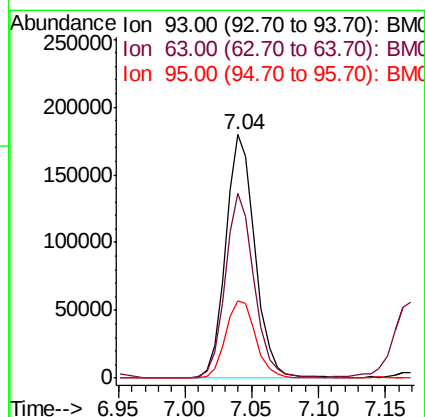
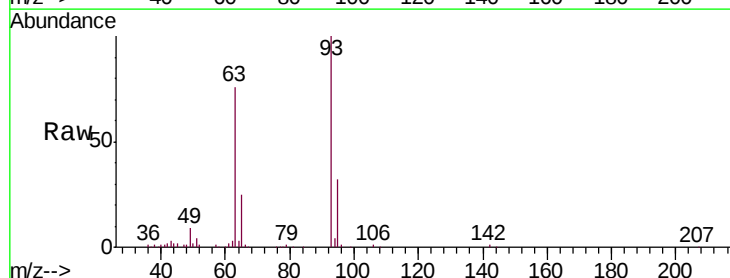
Tgt Ion: 93 Resp: 276926

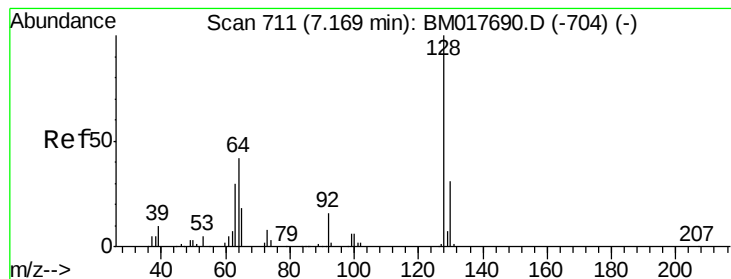
Ion Ratio Lower Upper

93 100

63 75.7 60.6 90.8

95 31.8 25.4 38.2





#10

2-Chlorophenol

Concen: 20.193 ng/ul

RT: 7.17 min Scan# 711

Delta R.T. 0.00 min

Lab File: BM017690.D

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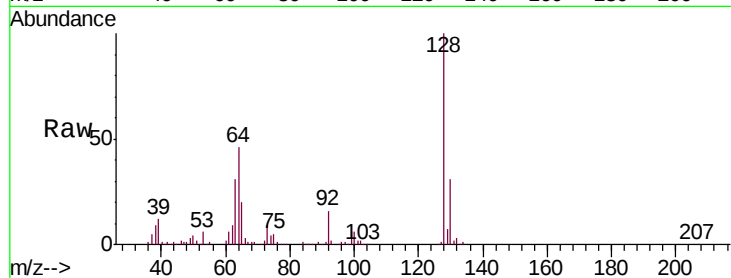
Tgt Ion:128 Resp: 290401

Ion Ratio Lower Upper

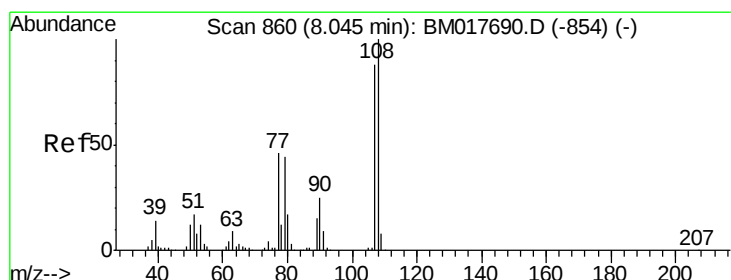
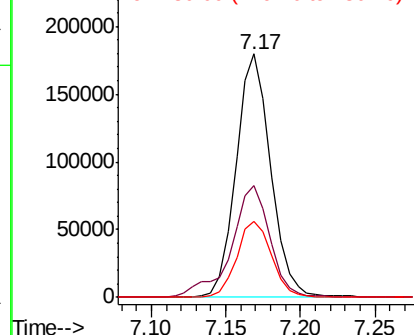
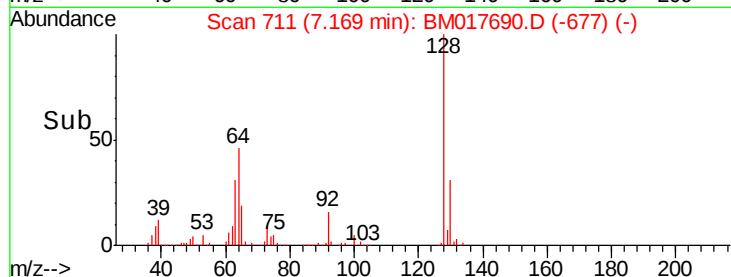
128 100

64 46.0 36.8 55.2

130 31.2 25.0 37.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM
Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 19.757 ng/ul

RT: 8.05 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM017690.D

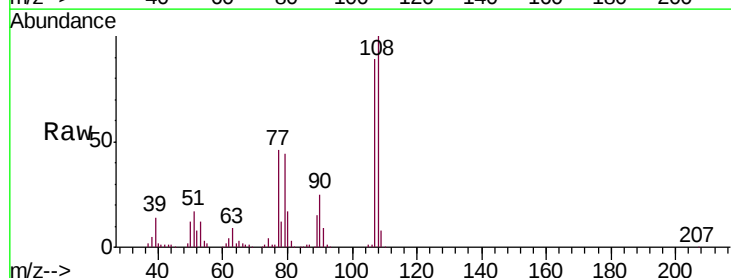
Acq: 19 Nov 2018 19:38

Tgt Ion:108 Resp: 271176

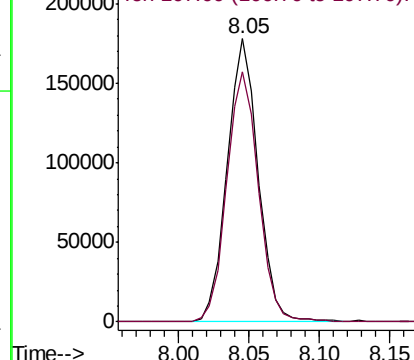
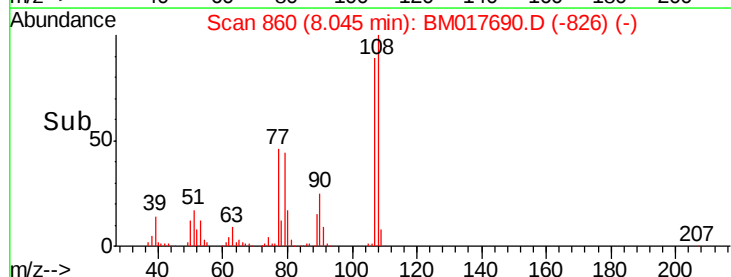
Ion Ratio Lower Upper

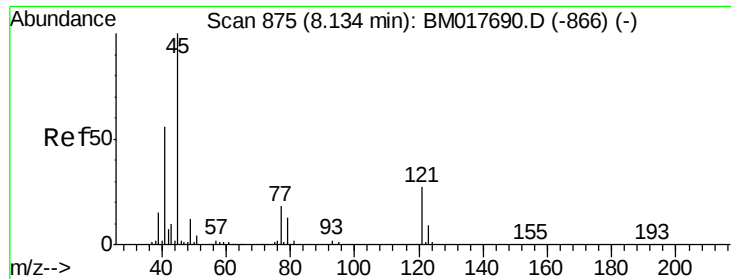
108 100

107 88.5 70.8 106.2



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

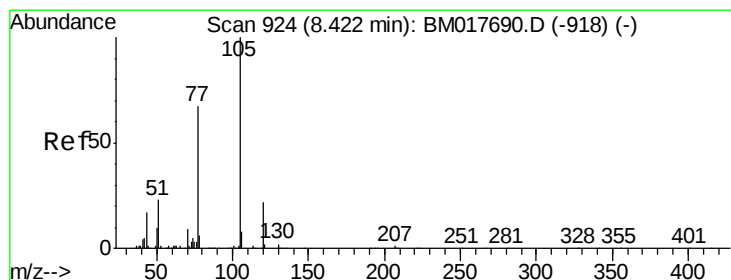
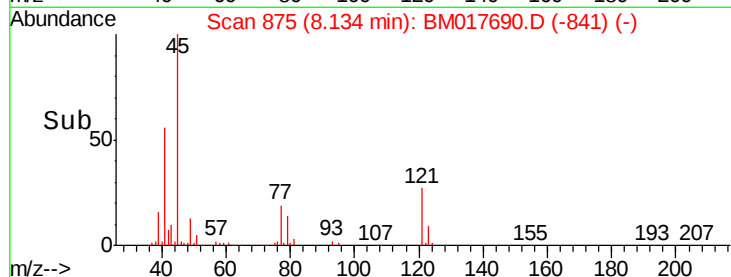
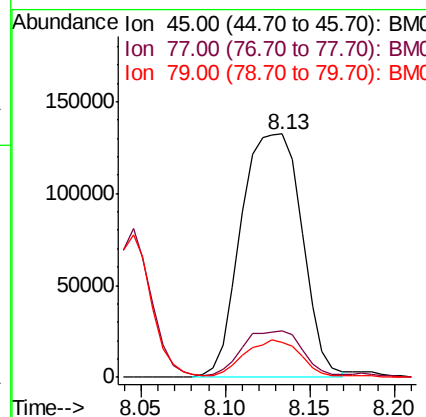
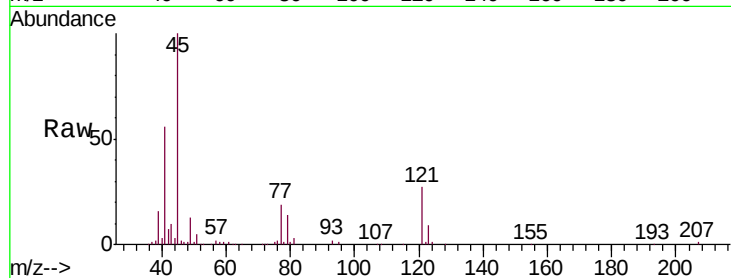




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 21.772 ng/ul
 RT: 8.13 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: BM017690.D
 Acq: 19 Nov 2018 19:38

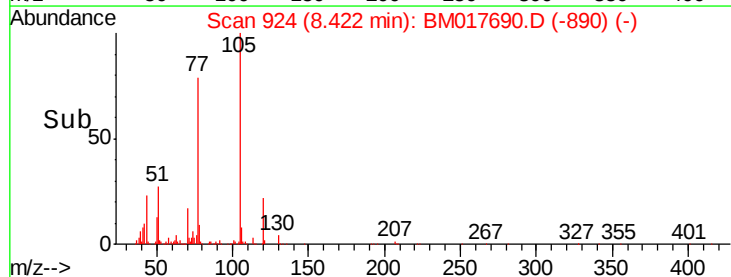
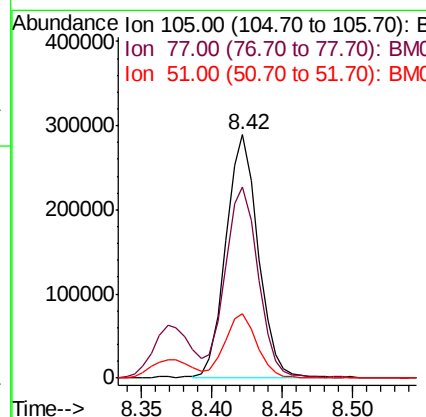
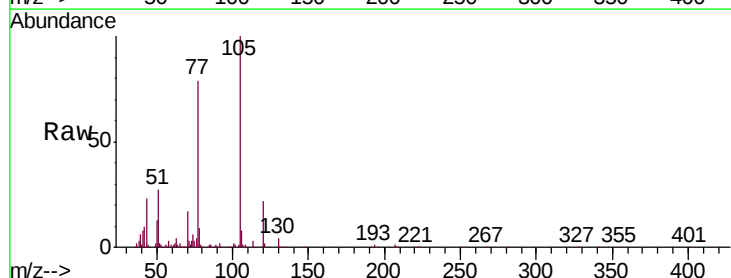
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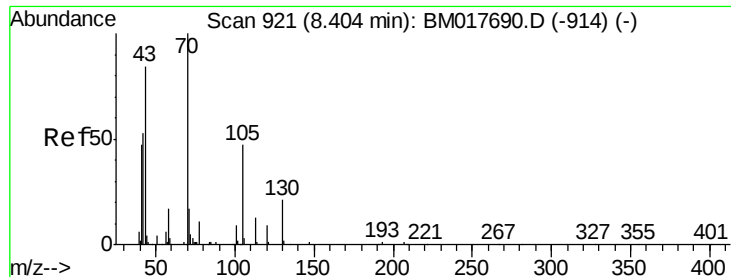
Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.1	15.3	22.9
79	14.2	11.4	17.0



#14
 Acetophenone
 Concen: 20.364 ng/ul
 RT: 8.42 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BM017690.D
 Acq: 19 Nov 2018 19:38

Tgt Ion	Ratio	Lower	Upper
105	100		
77	78.8	63.0	94.6
51	26.6	21.3	31.9

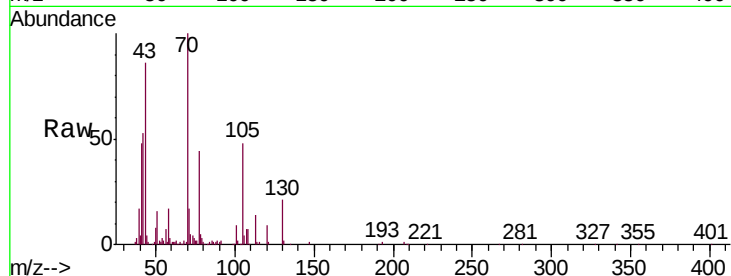




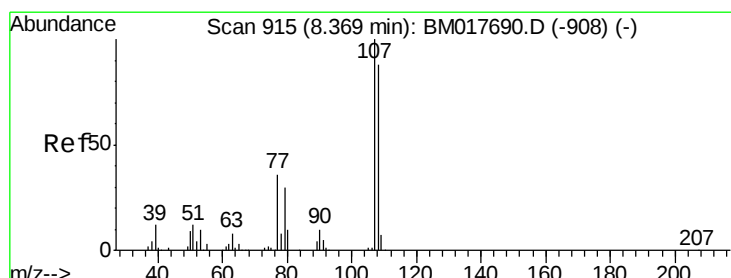
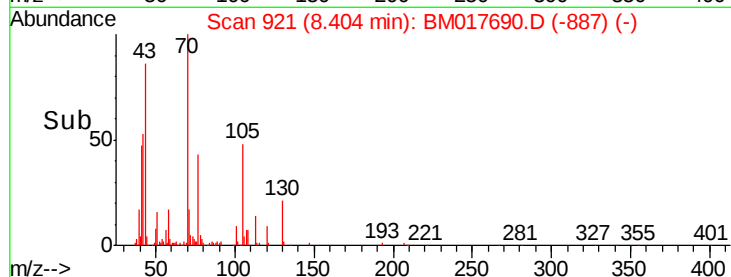
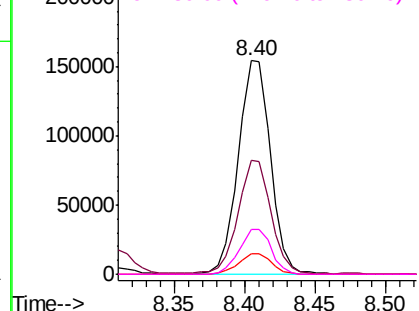
#15
N-Nitroso-di-n-propylamine
Concen: 23.582 ng/ul
RT: 8.40 min Scan# 921
Delta R.T. 0.00 min
Lab File: BM017690.D
Acq: 19 Nov 2018 19:38

Instrument :
BNA_M
ClientSampleId :
SSTD02053

Tgt Ion: 70 Resp: 246418
Ion Ratio Lower Upper
70 100
42 53.4 42.7 64.1
101 9.5 7.6 11.4
130 20.9 16.7 25.1

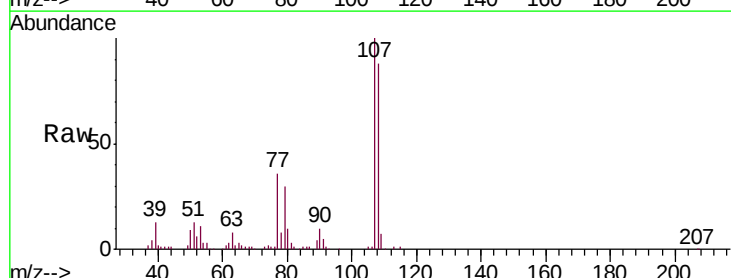


Abundance Ion 70.00 (69.70 to 70.70): BM
Ion 42.00 (41.70 to 42.70): BM
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

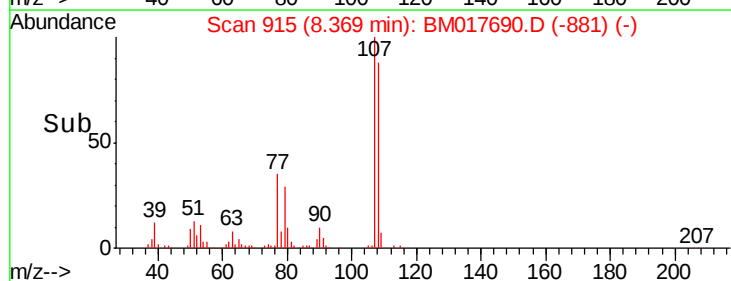
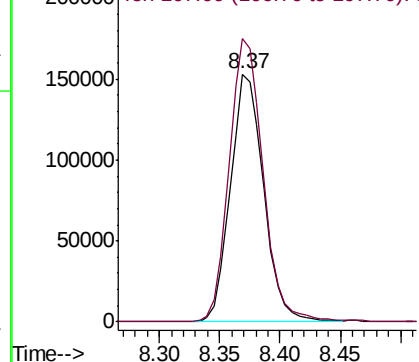


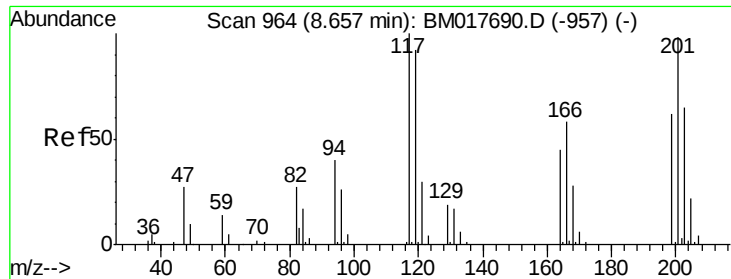
#16
4-Methylphenol
Concen: 19.881 ng/ul
RT: 8.37 min Scan# 915
Delta R.T. 0.00 min
Lab File: BM017690.D
Acq: 19 Nov 2018 19:38

Tgt Ion: 108 Resp: 294453
Ion Ratio Lower Upper
108 100
107 114.1 91.3 136.9



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

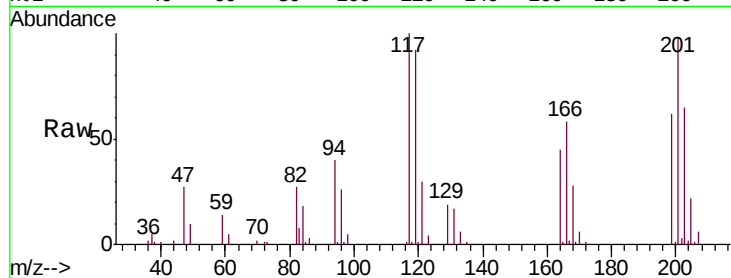




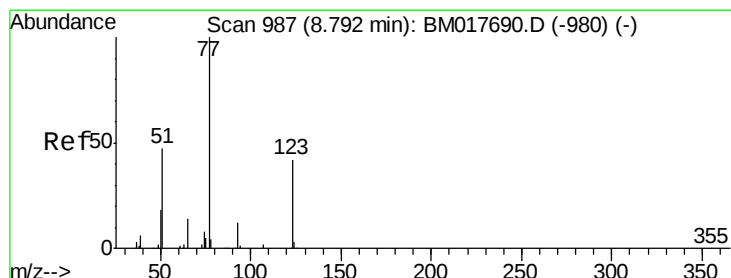
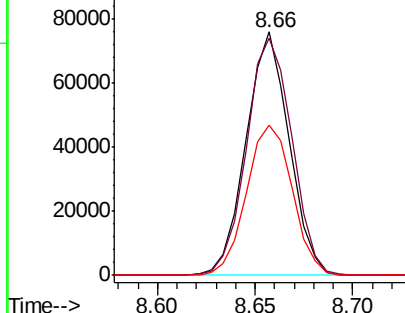
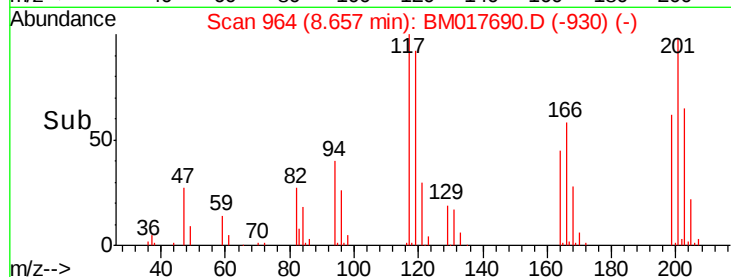
#17
Hexachloroethane
Concen: 19.988 ng/ul
RT: 8.66 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM017690.D
Acq: 19 Nov 2018 19:38

Instrument :
BNA_M
ClientSampleId :
SSTD02053

Tgt Ion:117 Resp: 116123
Ion Ratio Lower Upper
117 100
201 97.7 78.2 117.2
199 61.9 49.5 74.3

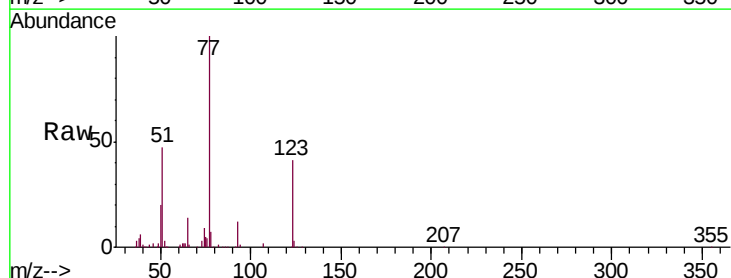


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

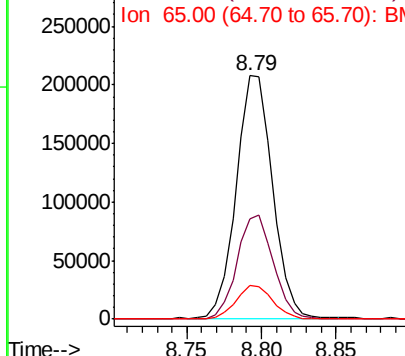
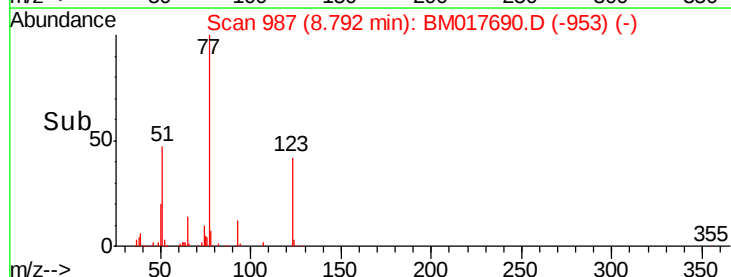


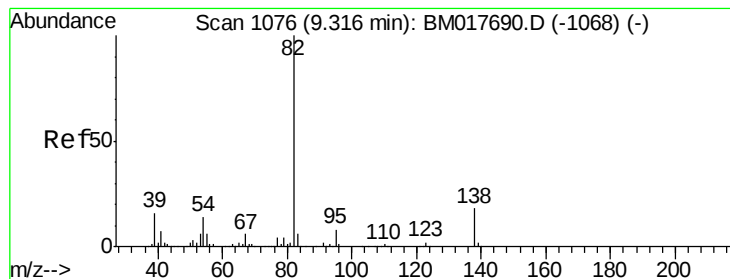
#20
Nitrobenzene
Concen: 19.389 ng/ul
RT: 8.79 min Scan# 987
Delta R.T. 0.00 min
Lab File: BM017690.D
Acq: 19 Nov 2018 19:38

Tgt Ion: 77 Resp: 351777
Ion Ratio Lower Upper
77 100
123 41.4 33.1 49.7
65 13.8 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: 22.943 ng/ul

RT: 9.32 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

Instrument :

BNA_M

ClientSampleId :

SSTD02053

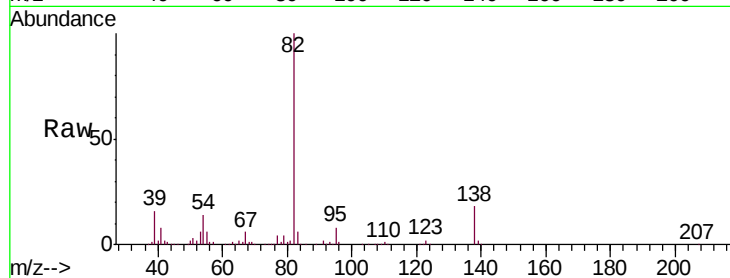
Tgt Ion: 82 Resp: 662137

Ion Ratio Lower Upper

82 100

95 7.6 6.1 9.1

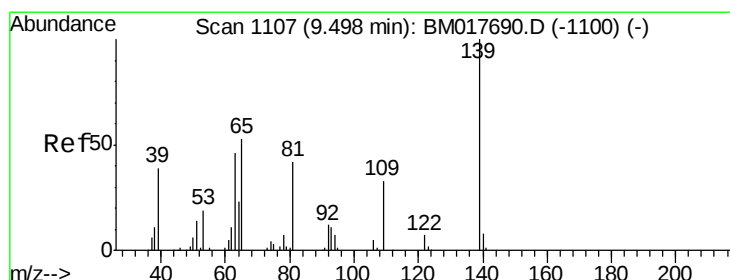
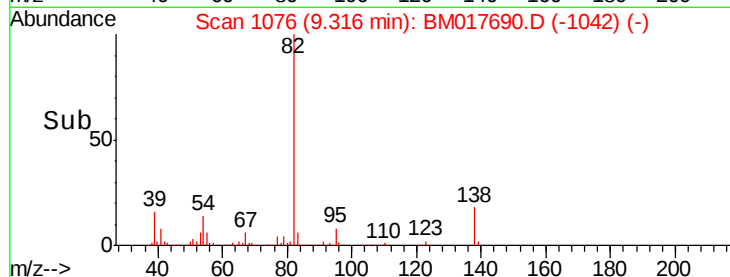
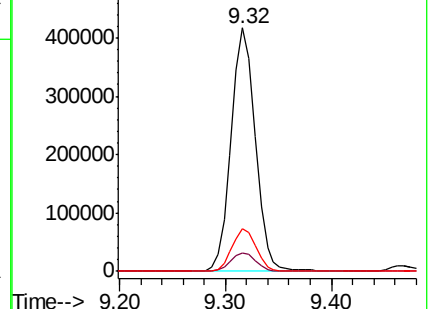
138 17.7 14.2 21.2



Abundance Ion 82.00 (81.70 to 82.70): BM017690.D (-1068) (-)

Ion 95.00 (94.70 to 95.70): BM017690.D (-1068) (-)

Ion 138.00 (137.70 to 138.70): BM017690.D (-1068) (-)



#23

2-Nitrophenol

Concen: 21.809 ng/ul

RT: 9.50 min Scan# 1107

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

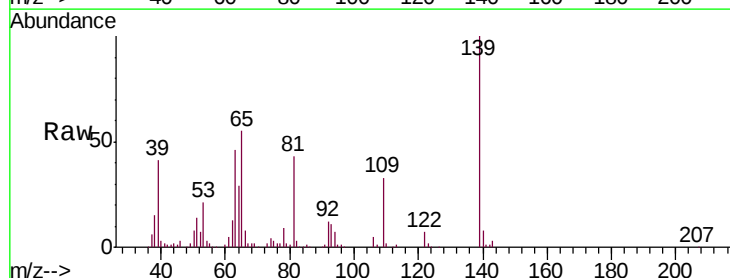
Tgt Ion: 139 Resp: 171691

Ion Ratio Lower Upper

139 100

65 55.3 44.2 66.4

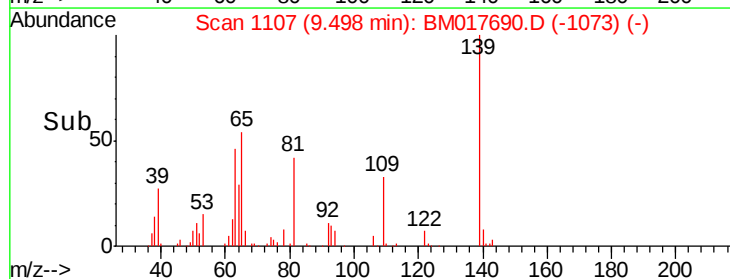
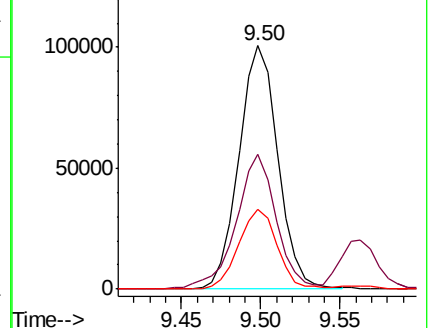
109 33.0 26.4 39.6

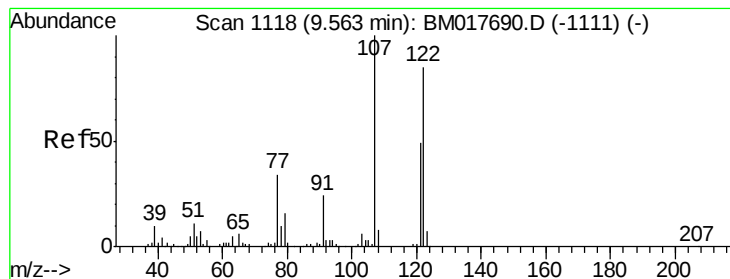


Abundance Ion 139.00 (138.70 to 139.70): BM017690.D (-1100) (-)

Ion 65.00 (64.70 to 65.70): BM017690.D (-1100) (-)

Ion 109.00 (108.70 to 109.70): BM017690.D (-1100) (-)





#24

2,4-Dimethylphenol

Concen: 20.440 ng/ul

RT: 9.56 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

Instrument :

BNA_M

ClientSampleId :

SSTD02053

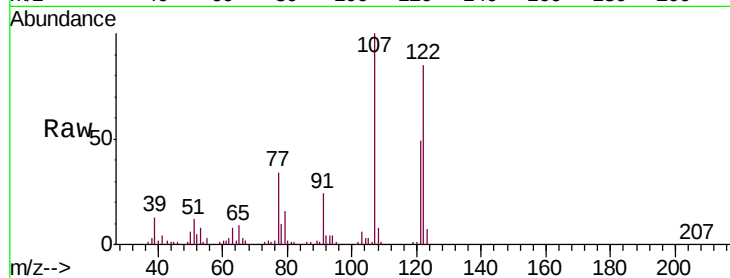
Tgt Ion: 107 Resp: 351304

Ion Ratio Lower Upper

107 100

121 49.5 39.6 59.4

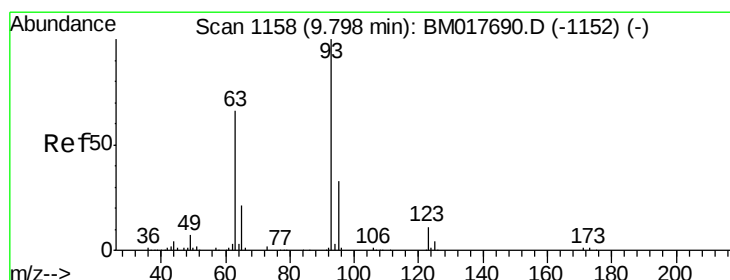
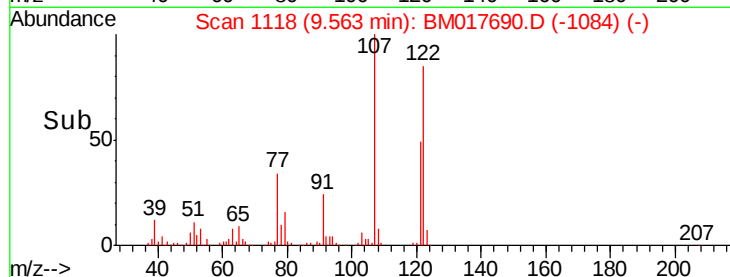
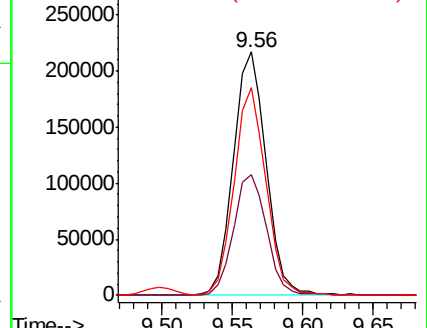
122 85.1 68.1 102.1



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: 22.296 ng/ul

RT: 9.80 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

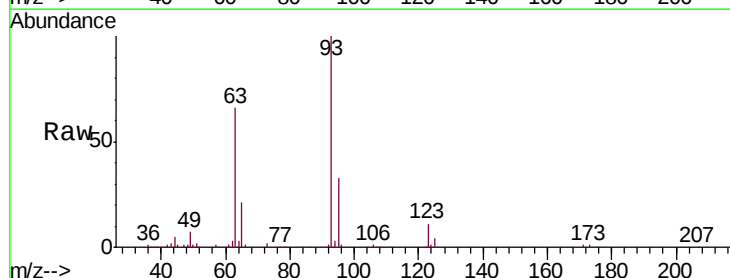
Tgt Ion: 93 Resp: 403508

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

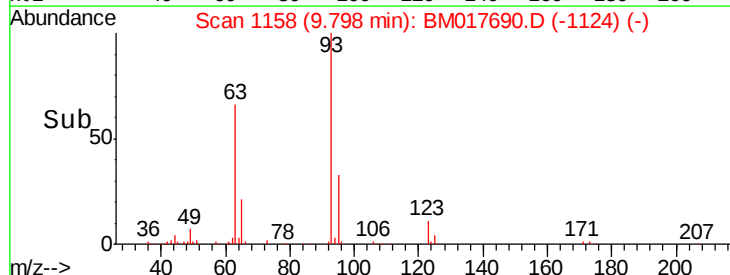
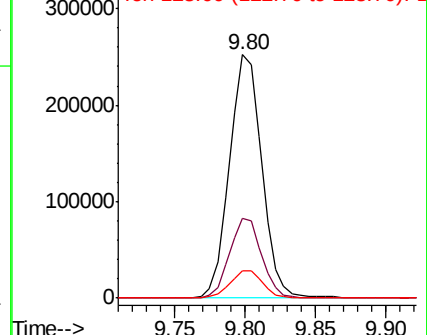
123 11.2 9.0 13.4

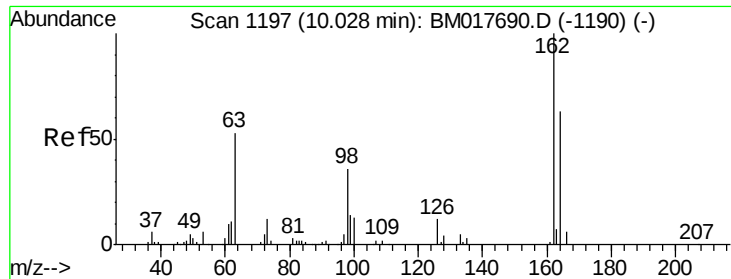


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

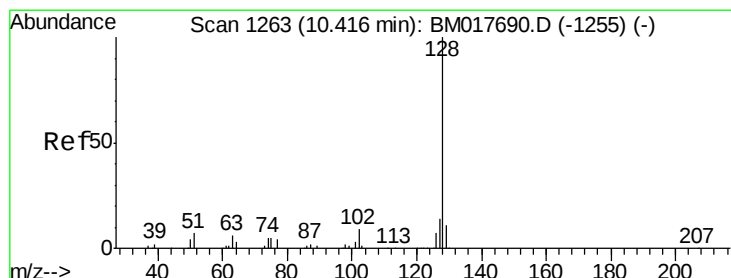
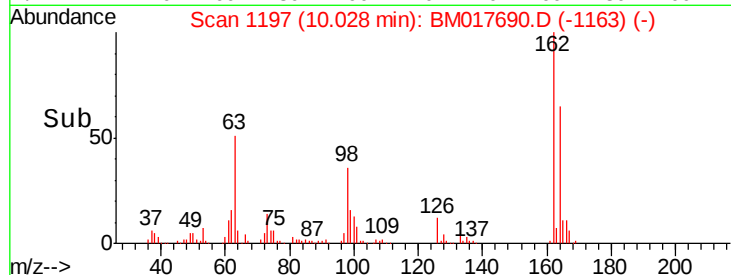
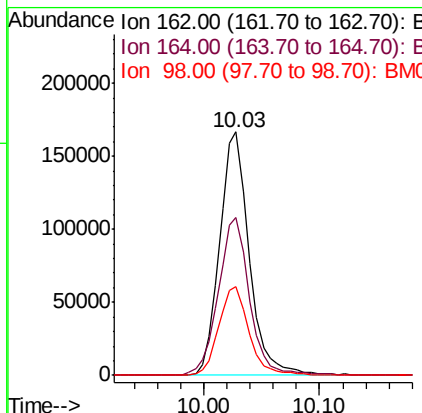
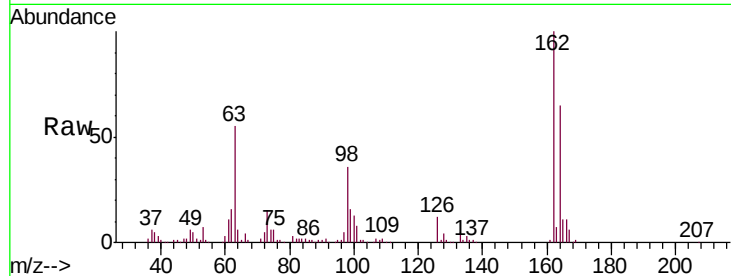




#27
 2,4-Dichlorophenol
 Concen: 21.243 ng/ul
 RT: 10.03 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BM017690.D
 Acq: 19 Nov 2018 19:38

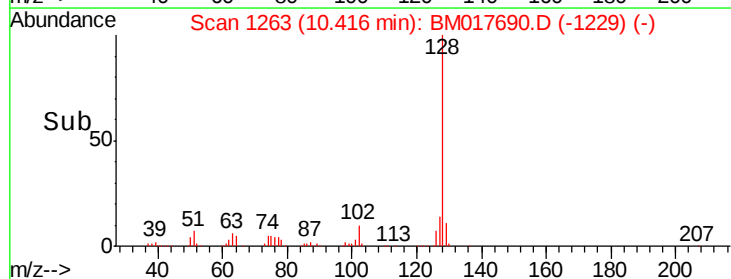
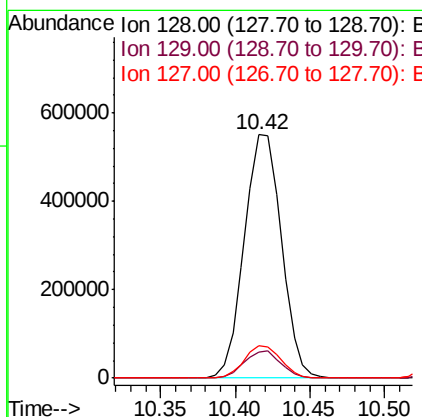
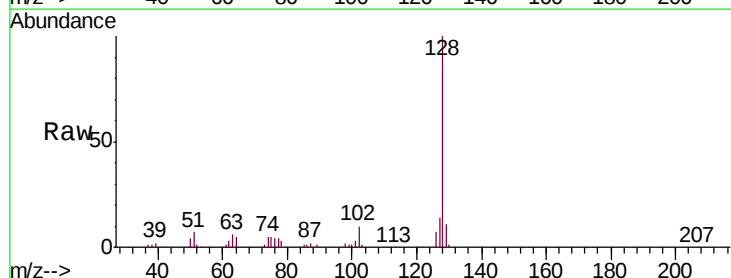
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02053

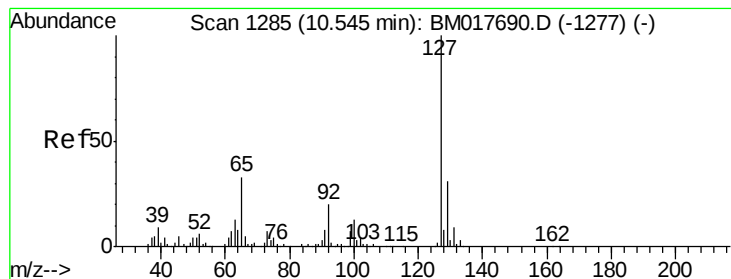
Tgt Ion:	162	Resp:	295399
Ion	Ratio	Lower	Upper
162	100		
164	64.8	51.8	77.8
98	36.3	29.0	43.6



#28
 Naphthalene
 Concen: 19.697 ng/ul
 RT: 10.42 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BM017690.D
 Acq: 19 Nov 2018 19:38

Tgt Ion:	128	Resp:	950804
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.5	10.8	16.2





#30

4-Chloroaniline

Concen: 21.890 ng/ul

RT: 10.55 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

Instrument :

BNA_M

ClientSampleId :

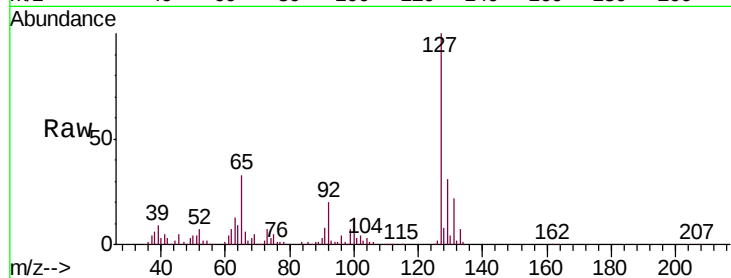
SSTD02053

Tgt Ion:127 Resp: 276857

Ion Ratio Lower Upper

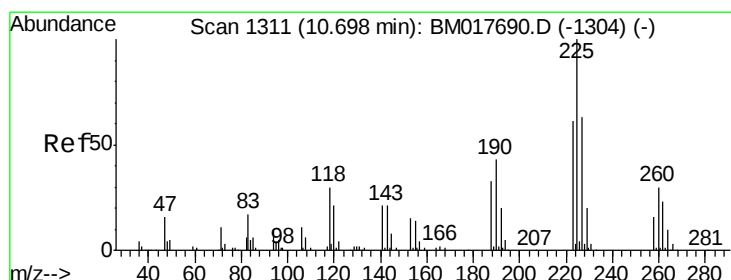
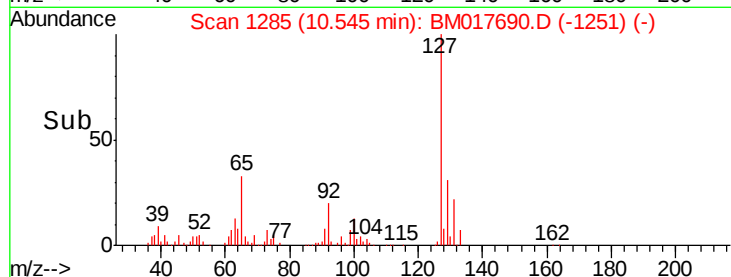
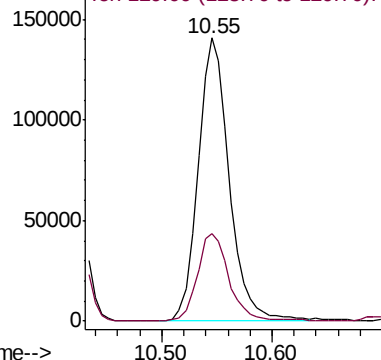
127 100

129 30.8 24.6 37.0



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#31

Hexachlorobutadiene

Concen: 20.586 ng/ul

RT: 10.70 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

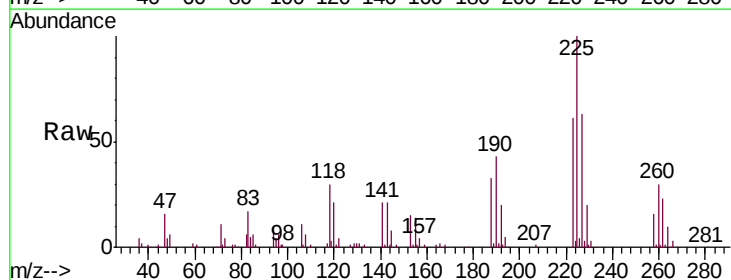
Tgt Ion:225 Resp: 193129

Ion Ratio Lower Upper

225 100

223 61.0 48.8 73.2

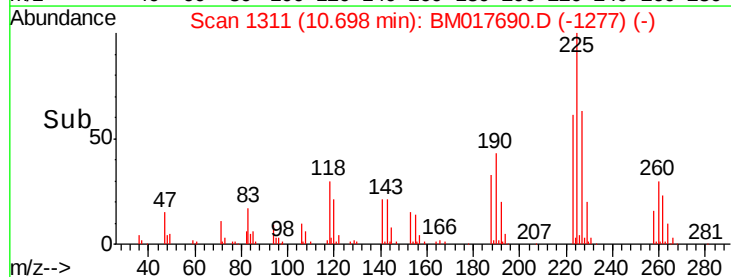
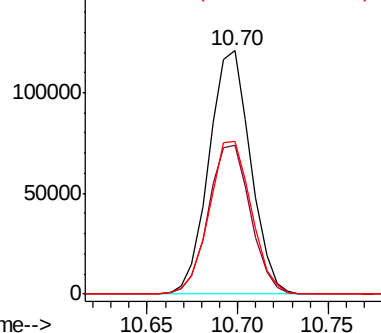
227 62.9 50.3 75.5

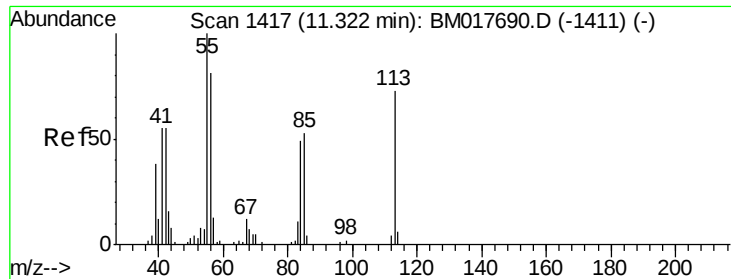


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

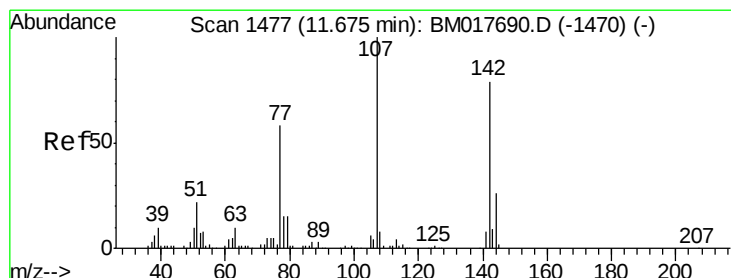
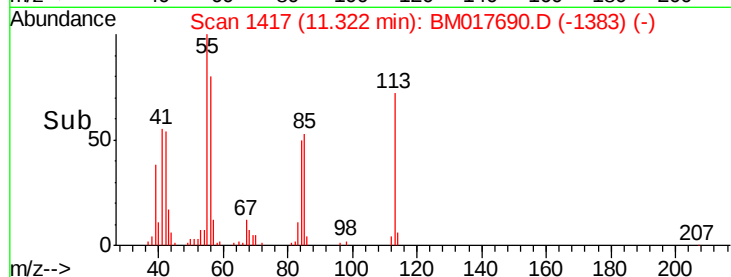
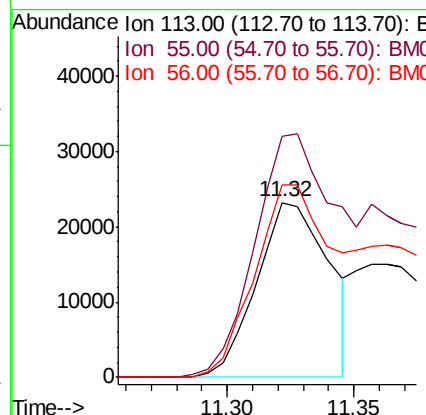
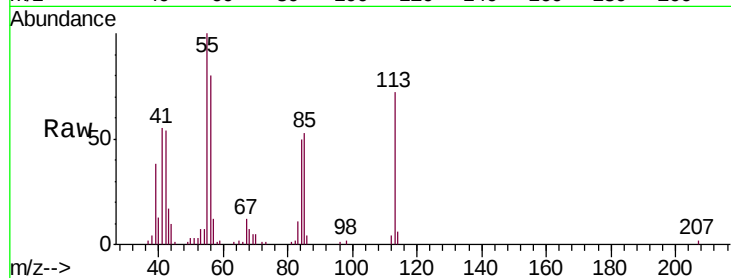




#32
 Caprolactam
 Concen: 10.870 ng/ul
 RT: 11.32 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: BM017690.D
 Acq: 19 Nov 2018 19:38

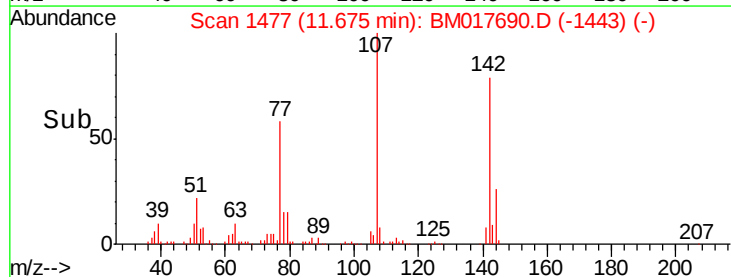
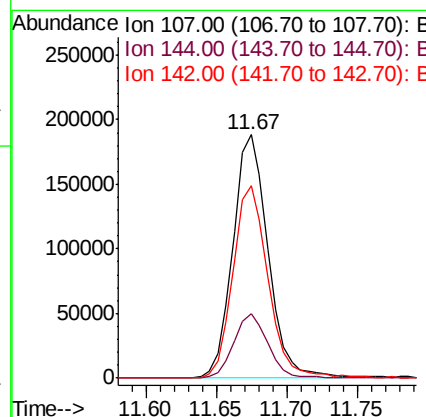
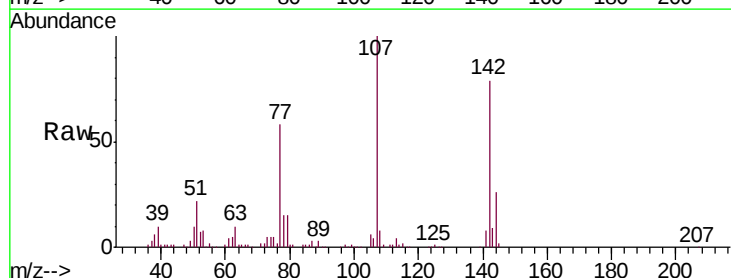
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02053

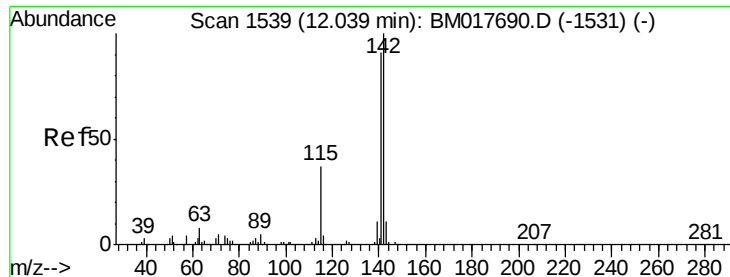
Tgt Ion:113 Resp: 46106
 Ion Ratio Lower Upper
 113 100
 55 138.3 110.6 166.0
 56 110.3 88.2 132.4



#33
 4-Chloro-3-methylphenol
 Concen: 22.539 ng/ul
 RT: 11.67 min Scan# 1477
 Delta R.T. 0.00 min
 Lab File: BM017690.D
 Acq: 19 Nov 2018 19:38

Tgt Ion:107 Resp: 327570
 Ion Ratio Lower Upper
 107 100
 144 26.4 21.1 31.7
 142 78.8 63.0 94.6





#34

2-Methylnaphthalene

Concen: 21.291 ng/ul

RT: 12.04 min Scan# 1539

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

Instrument :

BNA_M

ClientSampleId :

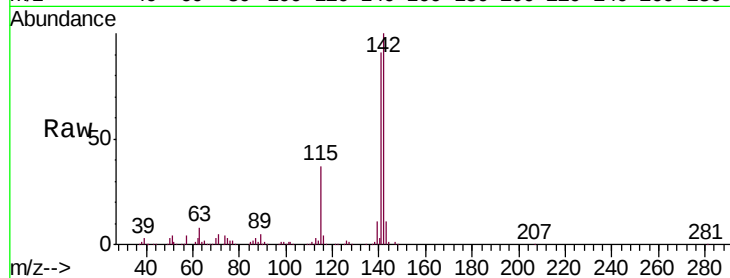
SSTD02053

Tgt Ion:142 Resp: 709724

Ion Ratio Lower Upper

142 100

141 90.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.04

400000

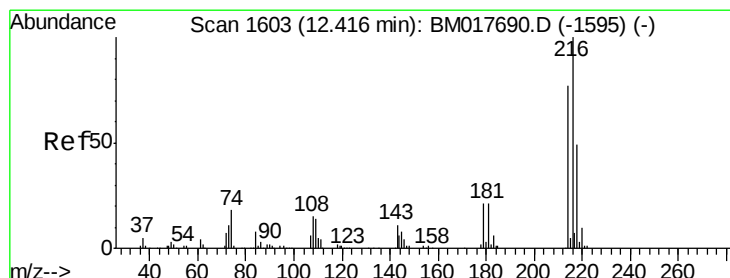
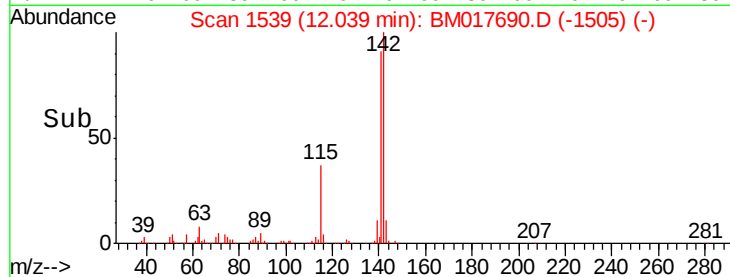
300000

200000

100000

0

Time--> 11.95 12.00 12.05 12.10



#36

1,2,4,5-Tetrachlorobenzene

Concen: 18.913 ng/ul

RT: 12.42 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BM017690.D

Acq: 19 Nov 2018 19:38

Tgt Ion:216 Resp: 375667

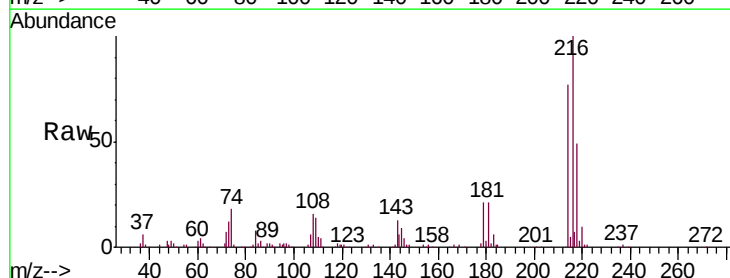
Ion Ratio Lower Upper

216 100

214 76.6 61.3 91.9

179 21.2 17.0 25.4

108 16.0 12.8 19.2



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

300000

200000

100000

0

Time--> 12.40 12.50

