

Data File : BM023240.D
Acq On : 18 Oct 2019 03:29
Operator : JU
Sample : SSTDCCC020
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD02016

Quant Time: Oct 18 07:00:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 18 06:52:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	359681	20.00	ng/ul	0.00
18) Naphthalene-d8	10.44	136	1397908	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	868427	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.05	188	1792553	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1905396	20.00	ng/ul	-0.01
86) Perylene-d12	23.45	264	2256712	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	62569	7.66	ng/uL	0.00
5) Phenol-d5	6.83	99	541185	17.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	301303	17.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	441625	18.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	427404	16.98	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	206339	21.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	225089	24.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	457892	19.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	552720	19.84	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	1265697	19.02	ng/ul	0.00
47) Acenaphthylene-d8	14.00	160	1502077	19.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	221642	20.57	ng/ul	0.00
58) Fluorene-d10	15.30	176	1079407	19.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	167971	23.63	ng/ul	0.00
71) Anthracene-d10	17.15	188	1682511	19.47	ng/ul	0.00
79) Pyrene-d10	19.44	212	1884788	20.43	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2225085	19.45	ng/ul	-0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.20	88	65063	7.617	ng/uL# 77
4) Benzaldehyde	6.80	77	375739	18.254	ng/ul 95
6) Phenol	6.86	94	558592	17.291	ng/ul 97
8) Bis(2-Chloroethyl)ether	7.09	93	422865	17.751	ng/ul 96
10) 2-Chlorophenol	7.23	128	463530	18.498	ng/ul 97
11) 2-Methylphenol	8.10	108	422185	17.048	ng/ul 98
12) 2,2'-oxybis(1-Chloropropan	8.19	45	581679	16.728	ng/ul 99
14) Acetophenone	8.47	105	660047	16.826	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.47	70	343230	15.840	ng/ul 96
16) 4-Methylphenol	8.43	108	456127	16.939	ng/ul 99
17) Hexachloroethane	8.73	117	191416	19.217	ng/ul 99
20) Nitrobenzene	8.85	77	495268	19.599	ng/ul 96
21) Isophorone	9.38	82	924374	17.006	ng/ul 99
23) 2-Nitrophenol	9.56	139	245585	23.693	ng/ul 97
24) 2,4-Dimethylphenol	9.63	107	509452	18.492	ng/ul 98
25) Bis(2-Chloroethoxy)methane	9.86	93	565748	18.741	ng/ul 97
27) 2,4-Dichlorophenol	10.09	162	451771	20.188	ng/ul 95
28) Naphthalene	10.49	128	1417484	19.618	ng/ul 99
30) 4-Chloroaniline	10.60	127	570098	19.777	ng/ul 99
31) Hexachlorobutadiene	10.79	225	309868	20.555	ng/ul 97
32) Caprolactam	11.36	113	132953	16.547	ng/ul 90
33) 4-Chloro-3-methylphenol	11.73	107	462770	18.047	ng/ul 99
34) 2-Methylnaphthalene	12.12	142	1026940	19.100	ng/ul 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.33	142	989518	19.017	ng/ul	100
37) 1,2,4,5-Tetrachlorobenzene	12.49	216	577637	20.563	ng/ul	99
38) Hexachlorocyclopentadiene	12.47	237	318653	18.745	ng/ul	99
39) 2,4,6-Trichlorophenol	12.73	196	366503	21.217	ng/ul	99
40) 2,4,5-Trichlorophenol	12.80	196	393737	21.203	ng/ul	99
41) 1,1'-Biphenyl	13.14	154	1325598	20.061	ng/ul	98
42) 2-Chloronaphthalene	13.17	162	1033326	20.192	ng/ul	99
43) 2-Nitroaniline	13.37	65	273075	22.771	ng/ul	91
45) Dimethylphthalate	13.77	163	1253070	18.812	ng/ul	100
46) 2,6-Dinitrotoluene	13.88	165	244759	23.403	ng/ul	94
48) Acenaphthylene	14.03	152	1553168	19.461	ng/ul	100
49) 3-Nitroaniline	14.20	138	246421	21.866	ng/ul#	94
50) Acenaphthene	14.37	153	1086756	19.556	ng/ul	100
51) 2,4-Dinitrophenol	14.42	184	108290	22.731	ng/ul	93
53) 4-Nitrophenol	14.52	109	178599	18.403	ng/ul	91
54) Dibenzofuran	14.71	168	1554200	19.700	ng/ul	97
55) 2,4-Dinitrotoluene	14.67	165	357060	23.341	ng/ul	93
56) 2,3,4,6-Tetrachlorophenol	14.93	232	347954	21.523	ng/ul	98
57) Diethylphthalate	15.15	149	1239309	18.217	ng/ul	98
59) Fluorene	15.36	166	1256120	19.406	ng/ul	100
60) 4-Chlorophenyl-phenylether	15.36	204	651542	19.273	ng/ul	99
61) 4-Nitroaniline	15.37	138	281980	20.796	ng/ul	94
64) 4,6-Dinitro-2-methylphenol	15.44	198	189469	22.769	ng/ul	96
65) N-Nitrosodiphenylamine	15.57	169	1095931	19.810	ng/ul	99
66) 4-Bromophenyl-phenylether	16.25	248	441178	20.387	ng/ul	97
67) Hexachlorobenzene	16.37	284	517293	21.077	ng/ul	96
68) Atrazine	16.53	200	406620	19.204	ng/ul	99
69) Pentachlorophenol	16.71	266	290310	21.118	ng/ul	99
70) Phenanthrene	17.09	178	2006473	19.945	ng/ul	99
72) Anthracene	17.19	178	2056693	19.784	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.10	216	552627	21.230	ng/uL	99
74) Pentachlorobenzene	14.63	250	581941	21.458	ng/uL	99
75) Carbazole	17.45	167	1825358	19.655	ng/ul	100
76) Di-n-butylphthalate	18.04	149	2093919	18.947	ng/ul	99
77) Fluoranthene	19.12	202	2404010	20.093	ng/ul	98
80) Pyrene	19.47	202	2491631	20.874	ng/ul	99
81) Butylbenzylphthalate	20.40	149	992727	23.912	ng/ul	91
82) 3,3'-Dichlorobenzidine	21.16	252	960034	20.800	ng/ul	99
83) Benzo(a)anthracene	21.23	228	2509330	19.436	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.19	149	1415822	21.447	ng/ul	99
85) Chrysene	21.27	228	2335179	19.480	ng/ul	99
87) Di-n-octyl phthalate	22.06	149	2450660	21.049	ng/ul	100
88) Benzo(b)fluoranthene	22.79	252	2622807	19.169	ng/ul	99
89) Benzo(k)fluoranthene	22.83	252	2591303	19.723	ng/ul	100
91) Benzo(a)pyrene	23.36	252	2546413	19.398	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.67	276	3165730	20.272	ng/ul	99
93) Dibenzo(a,h)anthracene	25.69	278	2668462	20.436	ng/ul	99
94) Benzo(g,h,i)perylene	26.34	276	2636711	20.507	ng/ul	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101719\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

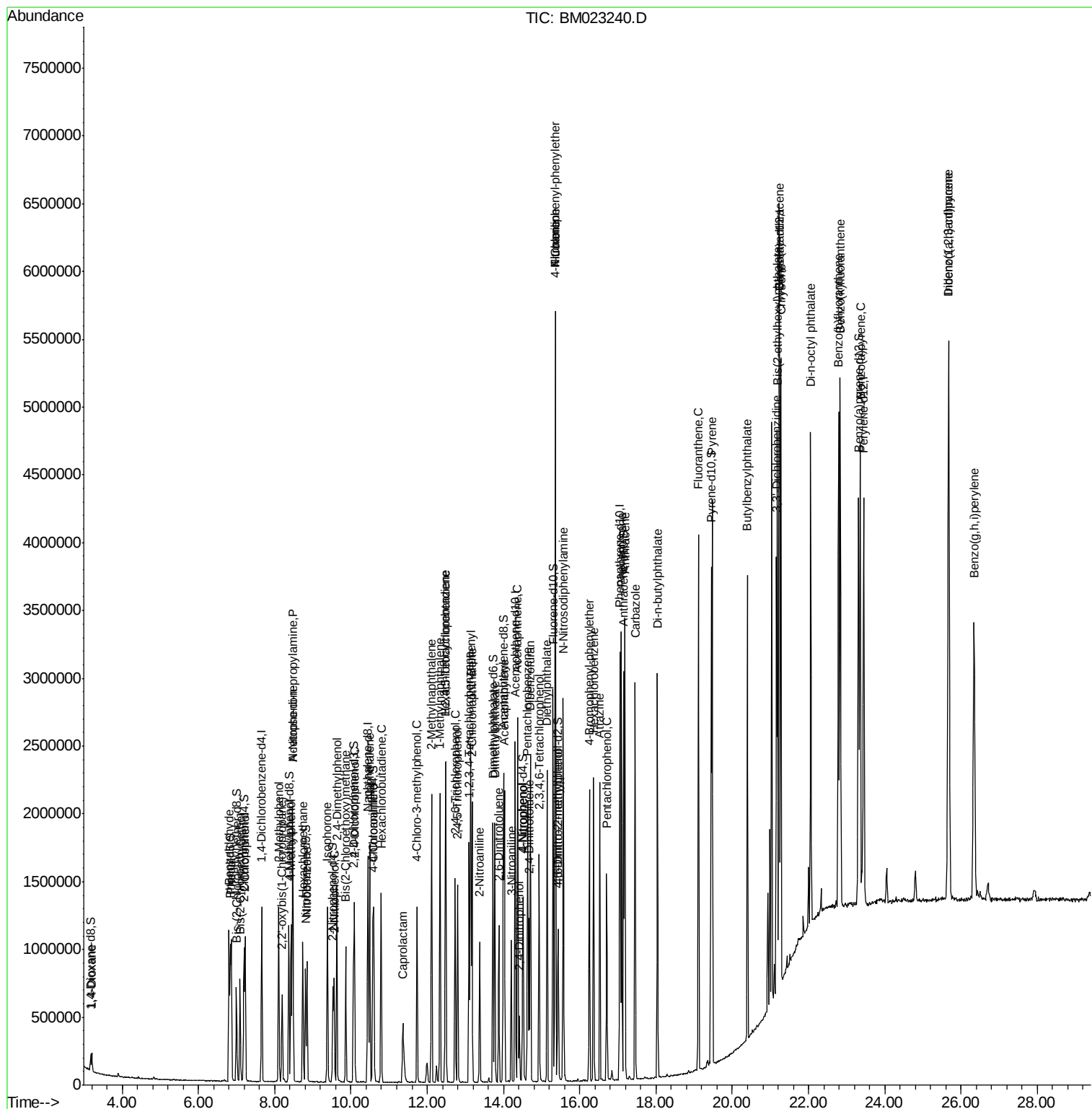
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

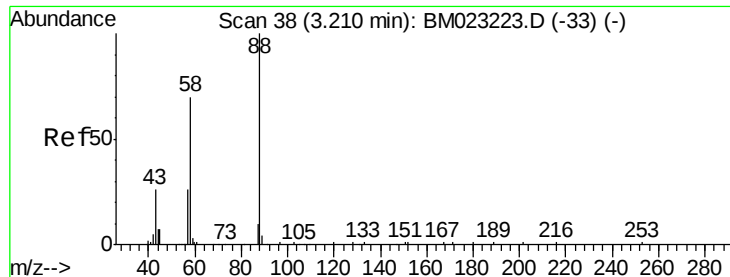
Data File : BM023240.D

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Operator     : JU
Sample       : SSTDCCC020
Misc         :
ALS Vial     : 19      Sample Multip
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Instrument :
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#2

1,4-Dioxane

Concen: 7.617 ng/uL

RT: 3.20 min Scan# 37

Delta R.T. -0.01 min

Lab File: BM023240.D

Acq: 18 Oct 2019 03:29

Instrument :

BNA_M

ClientSampleId :

SSTD02016

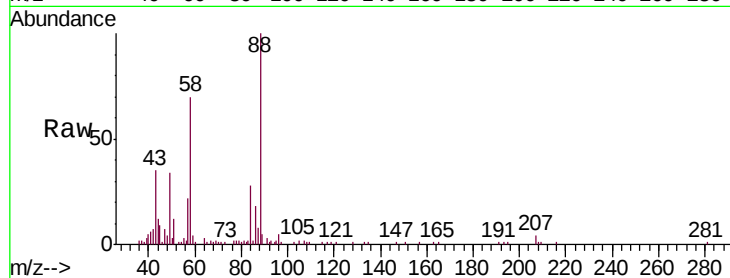
Tgt Ion: 88 Resp: 65063

Ion Ratio Lower Upper

88 100

43 35.1 52.2 78.4#

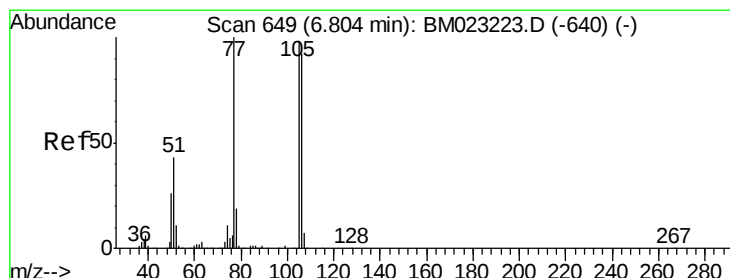
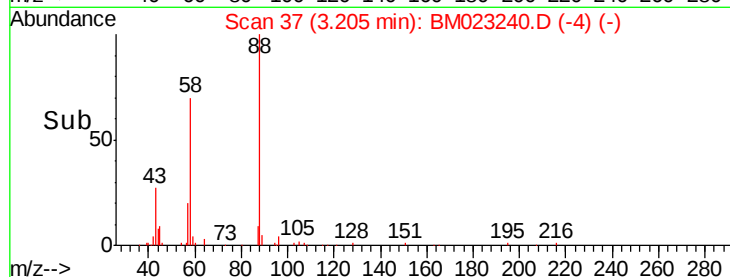
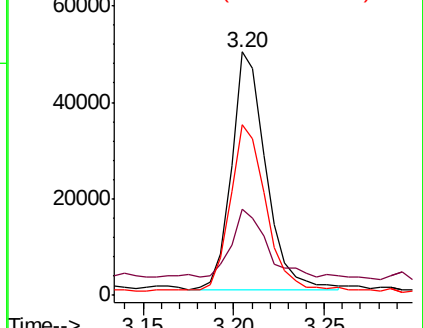
58 70.2 63.8 95.8



Abundance Ion 88.00 (87.70 to 88.70): BM023223.D (-33) (-)

Ion 43.00 (42.70 to 43.70): BM023223.D (-33) (-)

Ion 58.00 (57.70 to 58.70): BM023223.D (-33) (-)



#4

Benzaldehyde

Concen: 18.254 ng/uL

RT: 6.80 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM023240.D

Acq: 18 Oct 2019 03:29

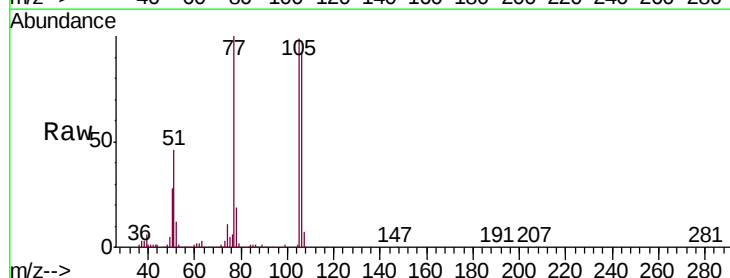
Tgt Ion: 77 Resp: 375739

Ion Ratio Lower Upper

77 100

105 98.6 74.6 111.8

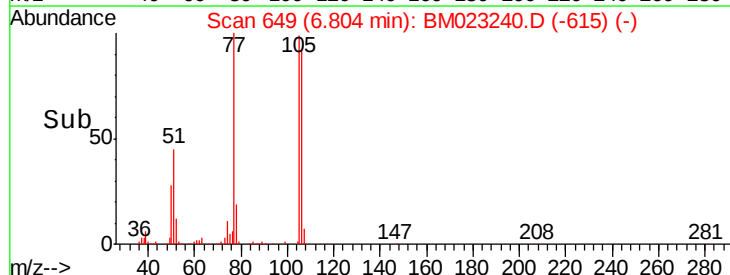
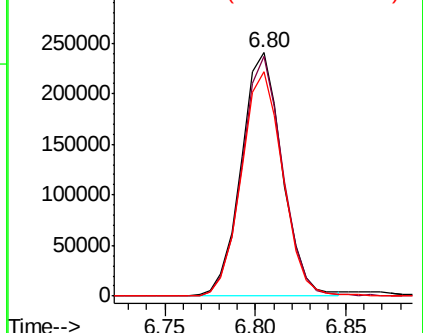
106 92.0 70.2 105.2

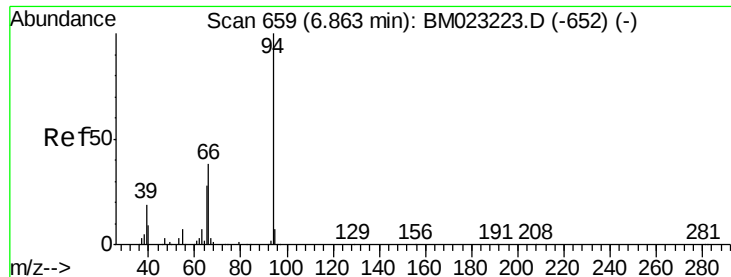


Abundance Ion 77.00 (76.70 to 77.70): BM023223.D (-640) (-)

Ion 105.00 (104.70 to 105.70): BM023223.D (-640) (-)

Ion 106.00 (105.70 to 106.70): BM023223.D (-640) (-)





#6

Phenol

Concen: 17.291 ng/ul

RT: 6.86 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM023240.D

Acq: 18 Oct 2019 03:29

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BNA_M

ClientSampleId :

SSTD02016

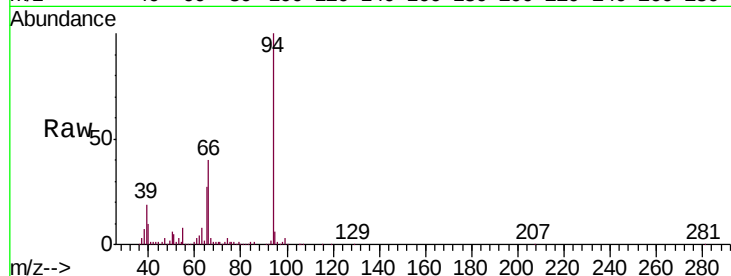
Tgt Ion: 94 Resp: 558592

Ion Ratio Lower Upper

94 100

65 27.1 23.7 35.5

66 39.8 32.9 49.3

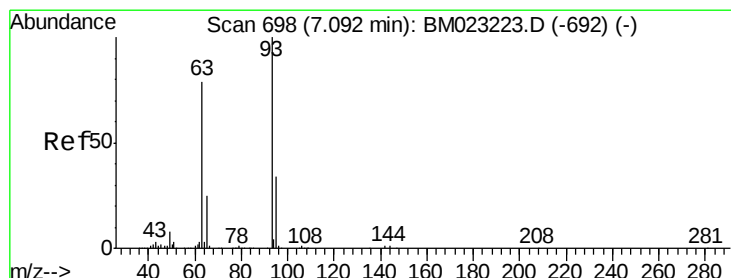
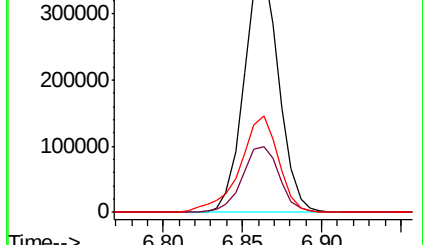
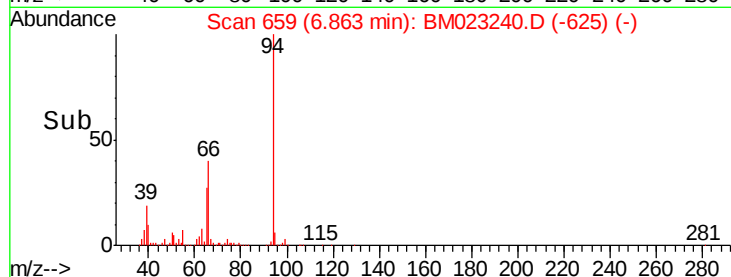


Abundance Ion 94.00 (93.70 to 94.70): BM023223.D (-652) (-)

Ion 65.00 (64.70 to 65.70): BM023223.D (-652) (-)

Ion 66.00 (65.70 to 66.70): BM023223.D (-652) (-)

Time-->



#8

Bis(2-Chloroethyl)ether

Concen: 17.751 ng/ul

RT: 7.09 min Scan# 698

Delta R.T. 0.00 min

Lab File: BM023240.D

Acq: 18 Oct 2019 03:29

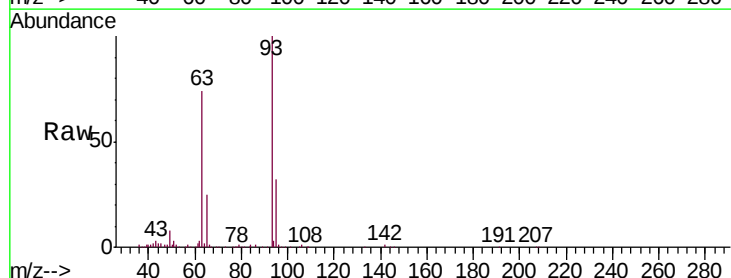
Tgt Ion: 93 Resp: 422865

Ion Ratio Lower Upper

93 100

63 74.4 63.0 94.4

95 32.2 26.8 40.2

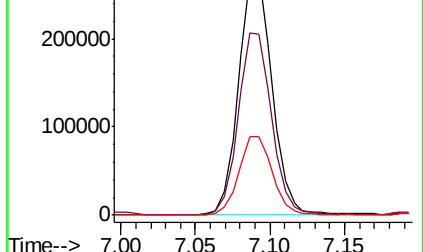
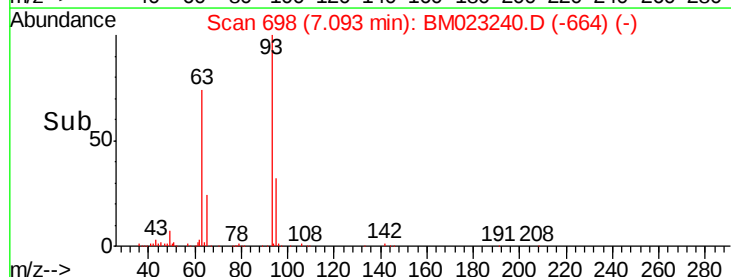


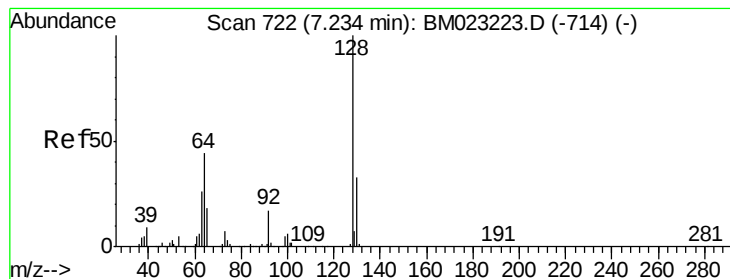
Abundance Ion 93.00 (92.70 to 93.70): BM023223.D (-692) (-)

Ion 63.00 (62.70 to 63.70): BM023223.D (-692) (-)

Ion 95.00 (94.70 to 95.70): BM023223.D (-692) (-)

Time-->





#10

2-Chlorophenol

Concen: 18.498 ng/ul

RT: 7.23 min Scan# 721

Delta R.T. -0.01 min

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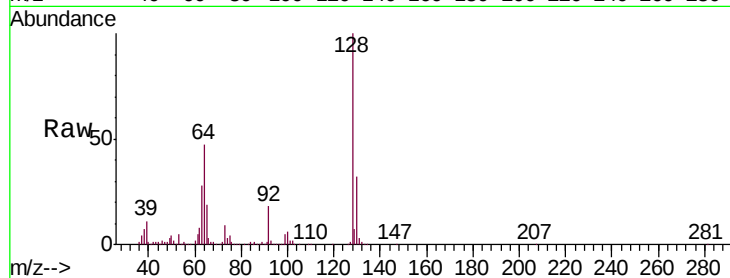
Tgt Ion:128 Resp: 463530

Ion Ratio Lower Upper

128 100

64 46.8 40.3 60.5

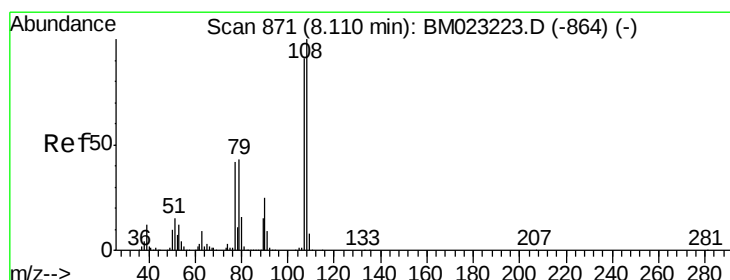
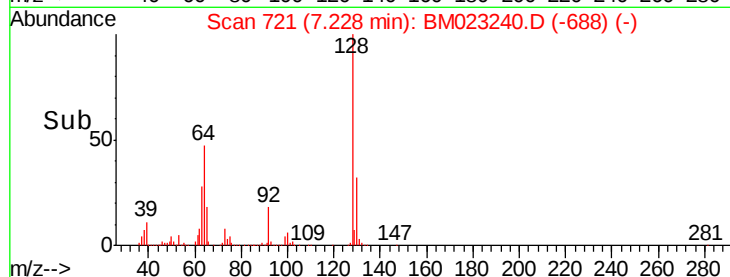
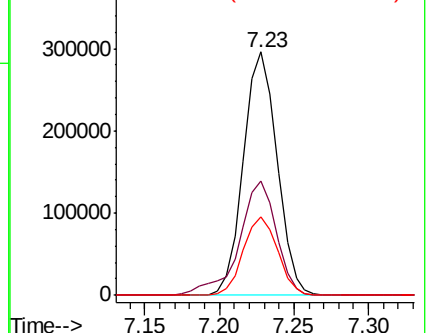
130 32.3 25.6 38.4



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: 17.048 ng/ul

RT: 8.10 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM023240.D

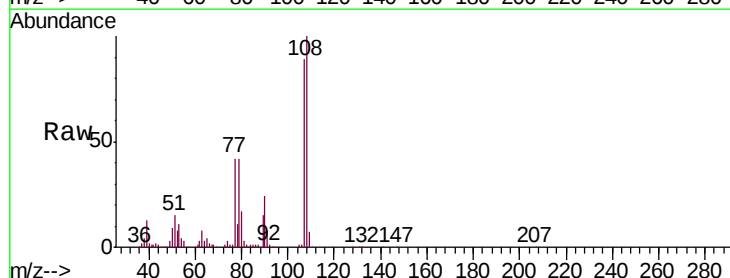
Acq: 18 Oct 2019 03:29

Tgt Ion:108 Resp: 422185

Ion Ratio Lower Upper

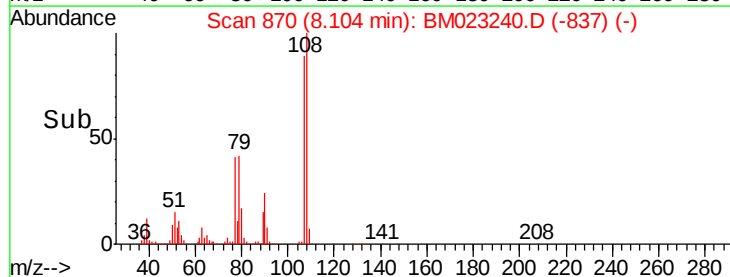
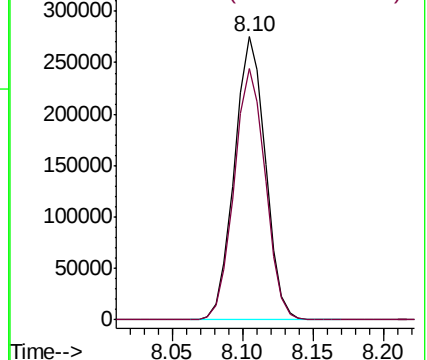
108 100

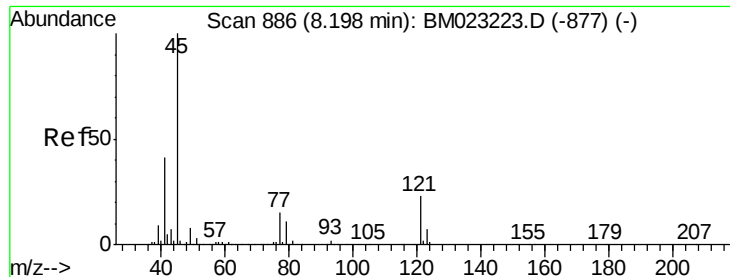
107 88.9 72.9 109.3



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: 16.728 ng/ul

RT: 8.19 min Scan# 885

Delta R.T. -0.01 min

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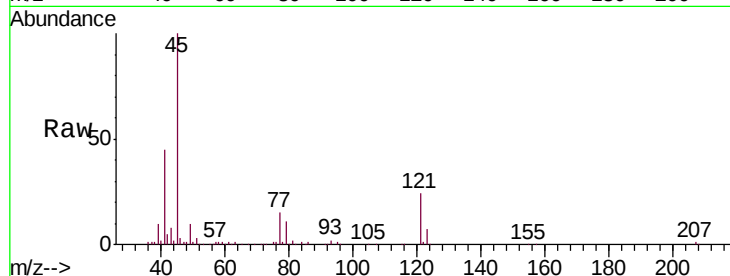
Tgt Ion: 45 Resp: 581679

Ion Ratio Lower Upper

45 100

77 15.4 12.0 18.0

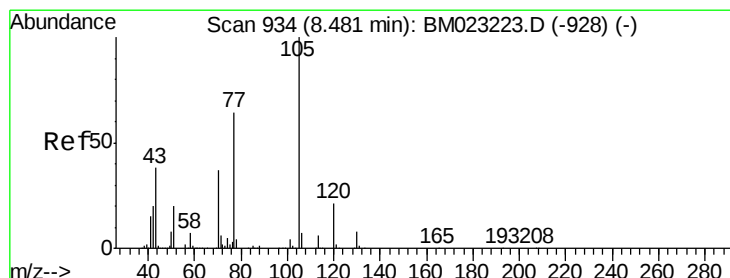
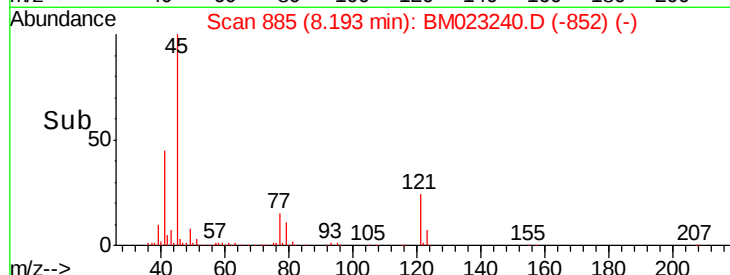
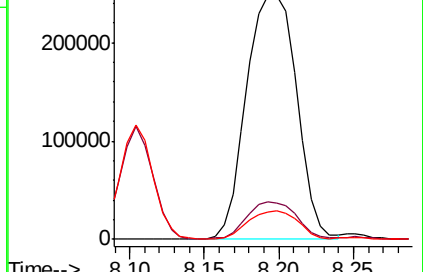
79 11.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): BM023223.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM023223.D (-877) (-)

Ion 79.00 (78.70 to 79.70): BM023223.D (-877) (-)



#14

Acetophenone

Concen: 16.826 ng/ul

RT: 8.47 min Scan# 933

Delta R.T. -0.01 min

Lab File: BM023240.D

Acq: 18 Oct 2019 03:29

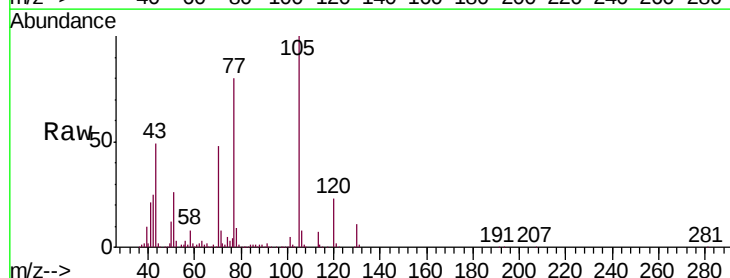
Tgt Ion: 105 Resp: 660047

Ion Ratio Lower Upper

105 100

77 80.3 63.9 95.9

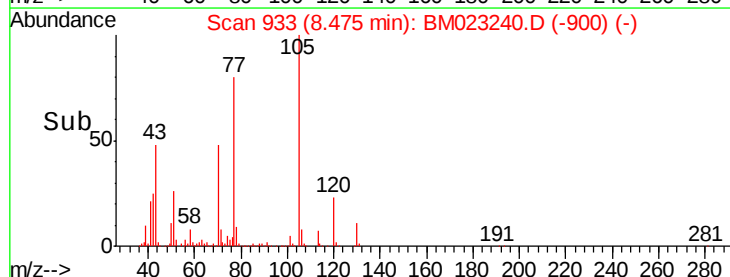
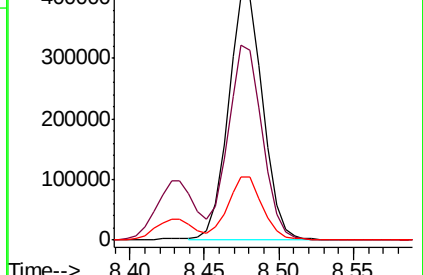
51 26.0 21.6 32.4

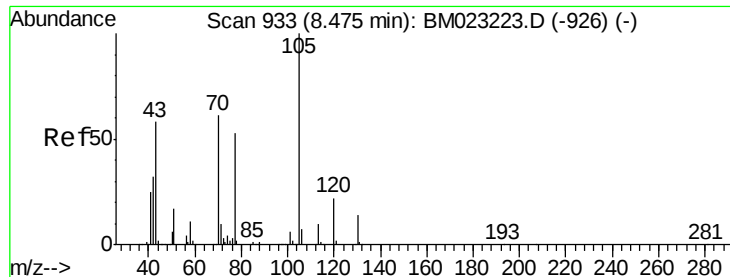


Abundance Ion 105.00 (104.70 to 105.70): BM023223.D (-928) (-)

Ion 77.00 (76.70 to 77.70): BM023223.D (-928) (-)

Ion 51.00 (50.70 to 51.70): BM023223.D (-928) (-)

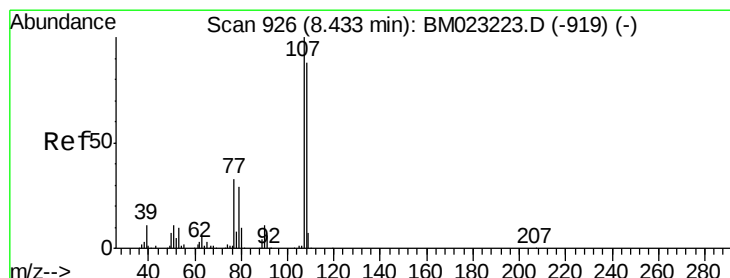
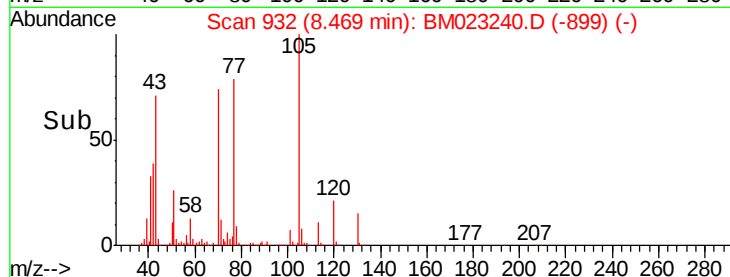
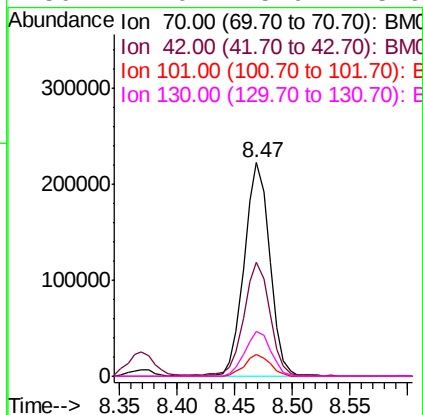
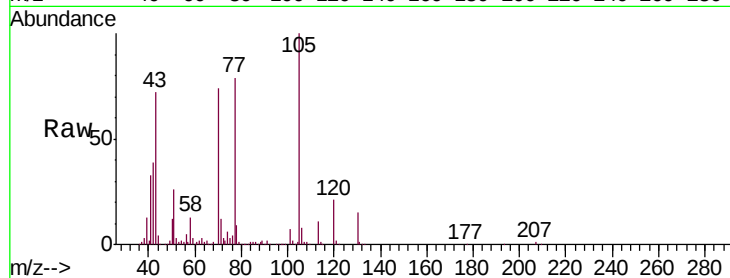




#15
N-Nitroso-di-n-propylamine
Concen: 15.840 ng/ul
RT: 8.47 min Scan# 932
Delta R.T. -0.01 min
Lab File: BM023240.D
Acq: 18 Oct 2019 03:29

Instrument :
BNA_M
ClientSampleId :
SSTD02016

Tgt Ion:	70	Resp:	343230
Ion	Ratio	Lower	Upper
70	100		
42	53.6	45.4	68.0
101	10.1	7.4	11.0
130	21.0	15.9	23.9



#16
4-Methylphenol
Concen: 16.939 ng/ul
RT: 8.43 min Scan# 926
Delta R.T. 0.00 min
Lab File: BM023240.D
Acq: 18 Oct 2019 03:29

Tgt Ion:	108	Resp:	456127
Ion	Ratio	Lower	Upper
108	100		
107	113.1	89.3	133.9

