

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072616\
 Data File : BG023275.D
 Acq On : 26 Jul 2016 20:06
 Operator : UM/SJ
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC080

Quant Time: Jul 27 00:58:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG072616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 26 19:09:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	251440	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	1193649	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	773136	20.00	ng	0.00
63) Phenanthrene-d10	17.57	188	1569774	20.00	ng	0.00
75) Chrysene-d12	21.90	240	1247143	20.00	ng	0.00
86) Perylene-d12	25.31	264	1225002	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.67	112	2189371	74.04	ng	0.00
7) Phenol-d6	7.30	99	3154851	69.53	ng	0.01
23) Nitrobenzene-d5	9.32	82	3337242	68.11	ng	0.01
41) 2,4,6-Tribromophenol	16.32	330	1029528	60.53	ng	0.01
44) 2-Fluorobiphenyl	13.43	172	4420850	52.97	ng	0.00
78) Terphenyl-d14	20.18	244	4063458	53.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	493671	80.23	ng	# 89
3) Pyridine	3.94	79	1633660	74.06	ng	# 89
4) n-Nitrosodimethylamine	3.85	42	720043	72.17	ng	# 82
6) Aniline	7.46	93	2250343	74.56	ng	# 95
8) 2-Chlorophenol	7.70	128	1280437	77.81	ng	# 95
9) Benzaldehyde	7.27	77	1095227	67.37	ng	# 93
10) Phenol	7.32	94	1811885	75.95	ng	# 88
11) bis(2-Chloroethyl)ether	7.55	93	1563201	76.85	ng	# 87
12) 1,3-Dichlorobenzene	8.03	146	1379304	74.38	ng	# 94
13) 1,4-Dichlorobenzene	8.17	146	1404257	74.21	ng	# 99
14) 1,2-Dichlorobenzene	8.50	146	1363361	74.96	ng	# 96
15) Benzyl Alcohol	8.38	79	1295962	85.79	ng	# 92
16) 2,2'-oxybis(1-Chloropropan	8.67	45	2564217	79.82	ng	# 91
17) 2-Methylphenol	8.58	107	1268430	78.12	ng	# 89
18) Hexachloroethane	9.24	117	608682	77.28	ng	# 92
19) n-Nitroso-di-n-propylamine	8.95	70	1525602	75.21	ng	# 95
20) 3+4-Methylphenols	8.92	107	1742576	78.82	ng	# 92
22) Acetophenone	8.97	105	2254687	72.14	ng	# 95
24) Nitrobenzene	9.36	77	2089932	73.73	ng	# 88
25) Isophorone	9.89	82	3473331	68.89	ng	# 91
26) 2-Nitrophenol	10.08	139	882500	82.90	ng	# 80
27) 2,4-Dimethylphenol	10.13	122	1383617	76.91	ng	# 84
28) bis(2-Chloroethoxy)methane	10.37	93	2081488	73.57	ng	# 91
29) 2,4-Dichlorophenol	10.62	162	1352461	77.54	ng	# 93
30) 1,2,4-Trichlorobenzene	10.83	180	1420307	73.53	ng	# 98
31) Naphthalene	11.03	128	3599628	64.77	ng	# 87
32) Benzoic acid	10.34	122	1254048	99.81	ng	# 89
33) 4-Chloroaniline	11.14	127	1922707	75.15	ng	# 97
34) Hexachlorobutadiene	11.30	225	874541	67.40	ng	# 95
35) Caprolactam	11.95	113	580872	81.43	ng	# 82
36) 4-Chloro-3-methylphenol	12.27	107	1664881	72.98	ng	# 88
37) 2-Methylnaphthalene	12.63	142	2763158	67.30	ng	# 94
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	1770028	70.19	ng	# 95
40) Hexachlorocyclopentadiene	12.97	237	955724	75.48	ng	# 97

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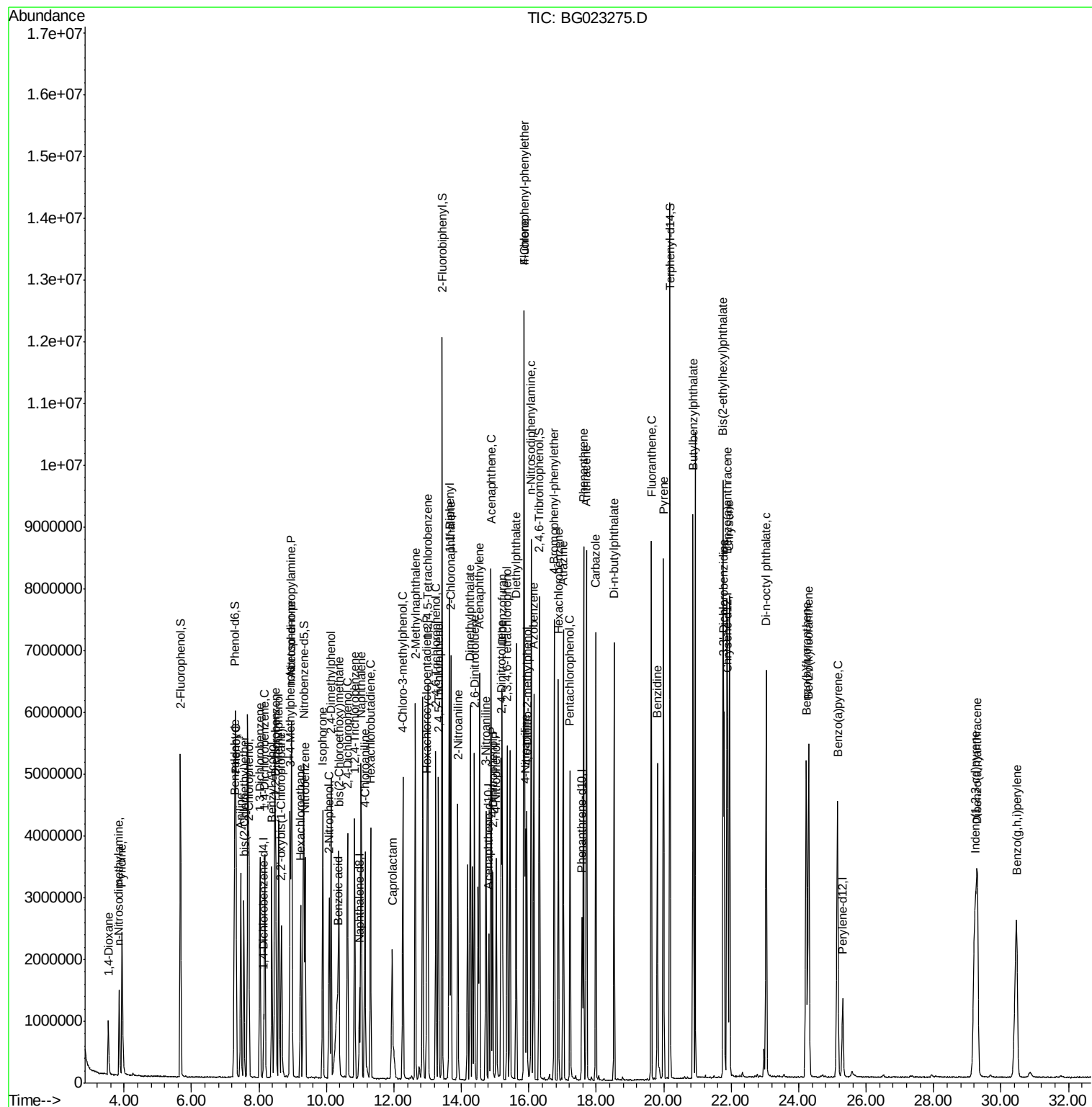
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.24	196	1159436	78.85	ng	100
43) 2,4,5-Trichlorophenol	13.32	196	1203584	77.44	ng	# 93
45) 1,1'-Biphenyl	13.64	154	3430691	63.04	ng	71
46) 2-Chloronaphthalene	13.69	162	2934883	67.58	ng	# 82
47) 2-Nitroaniline	13.89	65	1424928	78.35	ng	92
48) Acenaphthylene	14.54	152	3975816	61.86	ng	# 73
49) Dimethylphthalate	14.27	163	3467295	58.38	ng	# 86
50) 2,6-Dinitrotoluene	14.39	165	1008024	76.17	ng	89
51) Acenaphthene	14.88	154	2863814	66.70	ng	93
52) 3-Nitroaniline	14.73	138	1051857	79.17	ng	# 81
53) 2,4-Dinitrophenol	14.93	184	636466	83.75	ng	# 84
54) Dibenzofuran	15.21	168	3621168	57.10	ng	# 83
55) 4-Nitrophenol	15.03	139	898876	82.46	ng	# 80
56) 2,4-Dinitrotoluene	15.18	165	1365022	73.51	ng	98
57) Fluorene	15.86	166	3224056	60.09	ng	# 97
58) 2,3,4,6-Tetrachlorophenol	15.36	232	1000120	76.90	ng	96
59) Diethylphthalate	15.62	149	3412510	53.84	ng	# 79
60) 4-Chlorophenyl-phenylether	15.85	204	1890186	65.38	ng	94
61) 4-Nitroaniline	15.90	138	1030414	74.47	ng	# 65
62) Azobenzene	16.15	77	3637527	59.91	ng	84
64) 4,6-Dinitro-2-methylphenol	15.95	198	854721	85.18	ng	80
65) n-Nitrosodiphenylamine	16.07	169	2934020	69.15	ng	# 81
66) 4-Bromophenyl-phenylether	16.75	248	1191339	74.80	ng	97
67) Hexachlorobenzene	16.87	284	1148913	71.93	ng	# 85
68) Atrazine	17.02	200	1180088	73.59	ng	95
69) Pentachlorophenol	17.22	266	777934	79.60	ng	98
70) Phenanthrene	17.62	178	4135480	56.59	ng	# 69
71) Anthracene	17.71	178	4168161	58.99	ng	# 69
72) Carbazole	17.98	167	3871269	59.86	ng	# 77
73) Di-n-butylphthalate	18.52	149	4011322	55.31	ng	# 77
74) Fluoranthene	19.63	202	4019911	52.77	ng	62
76) Benzidine	19.81	184	2816671	80.16	ng	# 87
77) Pyrene	19.99	202	4034163	57.67	ng	# 68
79) Butylbenzylphthalate	20.87	149	2320661	74.42	ng	95
80) Benzo(a)anthracene	21.88	228	4161499	63.77	ng	# 79
81) 3,3'-Dichlorobenzidine	21.79	252	1924824	72.48	ng	# 90
82) Chrysene	21.95	228	3927121	62.22	ng	# 75
83) Bis(2-ethylhexyl)phthalate	21.76	149	3118152	71.47	ng	# 85
84) Di-n-octyl phthalate	23.04	149	4842244	68.03	ng	# 86
85) Indeno(1,2,3-cd)pyrene	29.23	276	5774227	78.44	ng	# 100
87) Benzo(b)fluoranthene	24.22	252	4648092	71.73	ng	# 84
88) Benzo(k)fluoranthene	24.30	252	4430601	68.13	ng	# 83
89) Benzo(a)pyrene	25.15	252	4599447	72.24	ng	# 87
90) Dibenzo(a,h)anthracene	29.30	278	4619540	76.90	ng	# 83
91) Benzo(g,h,i)perylene	30.46	276	4738731	74.90	ng	# 80

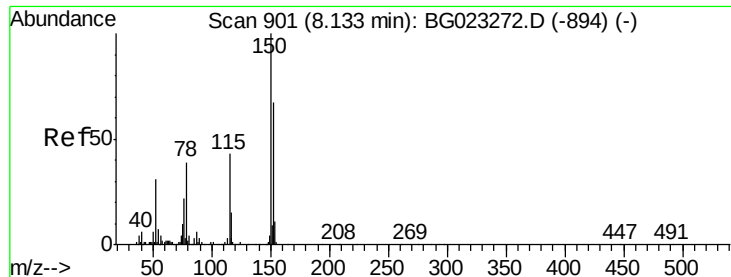
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 902

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

Instrument :

BNA_G

ClientSampleId :

SSTDIC080

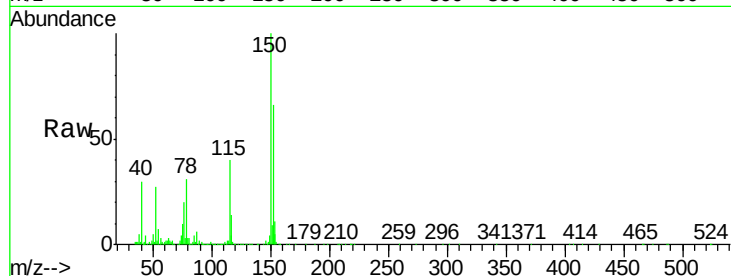
Tgt Ion:152 Resp: 251440

Ion Ratio Lower Upper

152 100

150 152.6 144.7 217.1

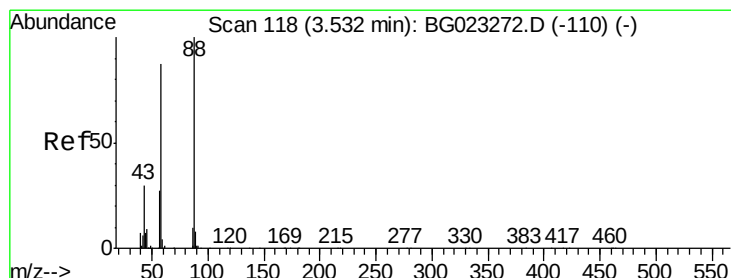
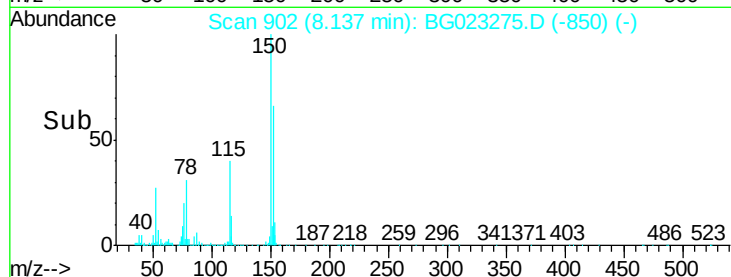
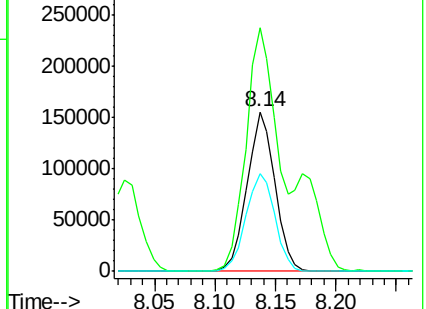
115 61.4 64.0 96.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 80.23 ng

RT: 3.53 min Scan# 118

Delta R.T. -0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

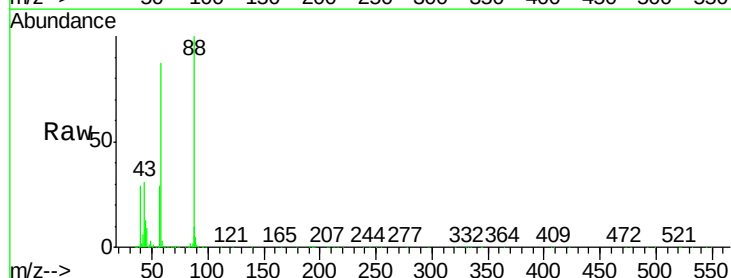
Tgt Ion: 88 Resp: 493671

Ion Ratio Lower Upper

88 100

58 84.4 60.4 90.6

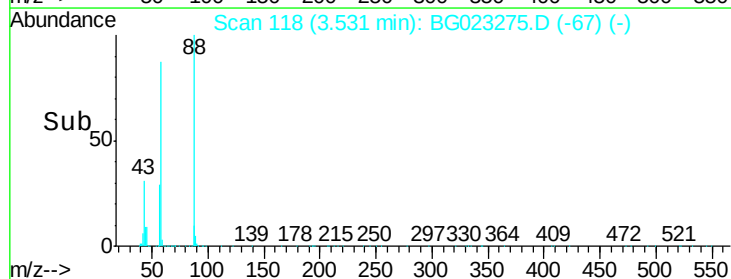
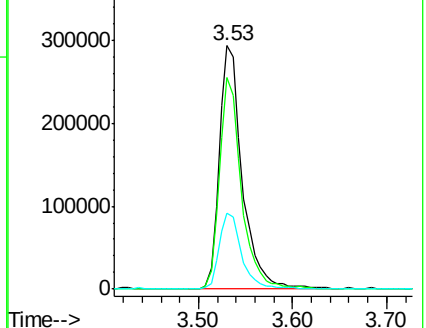
43 31.0 31.1 46.7#

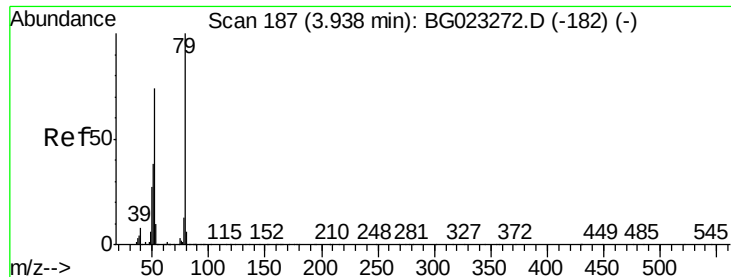


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 74.06 ng

RT: 3.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

Instrument :

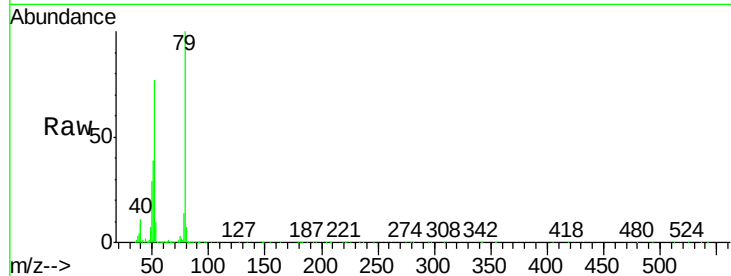
BNA_G

ClientSampleId :

SSTDIC080

Tgt Ion: 79 Resp: 1633660

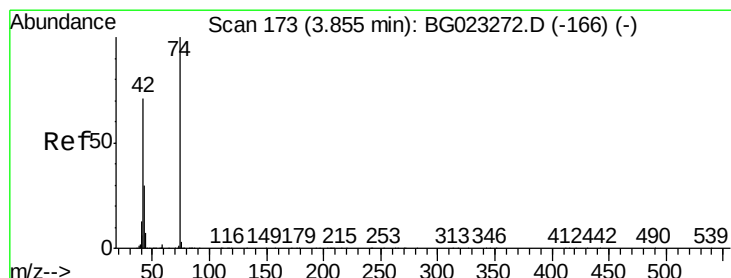
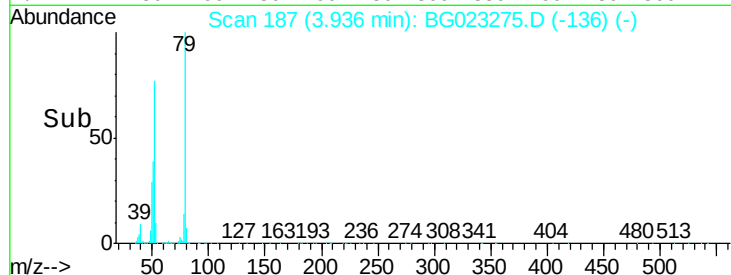
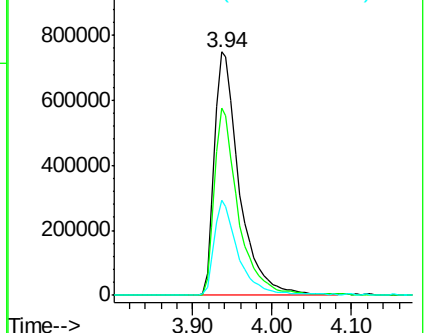
Ion	Ratio	Lower	Upper
79	100		
52	77.2	51.8	77.8
51	39.0	32.7	49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 72.17 ng

RT: 3.85 min Scan# 173

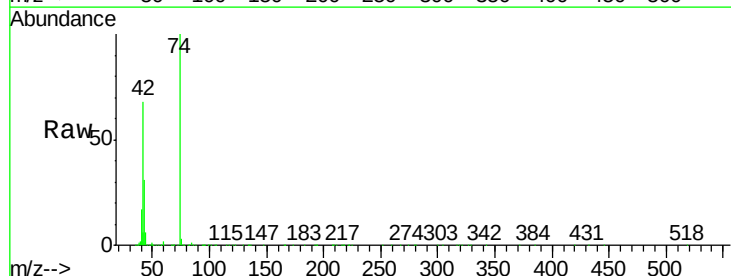
Delta R.T. -0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

Tgt Ion: 42 Resp: 720043

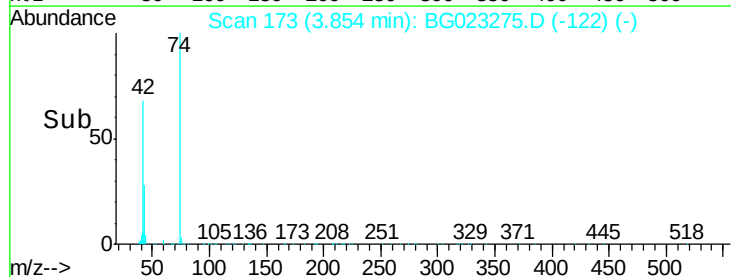
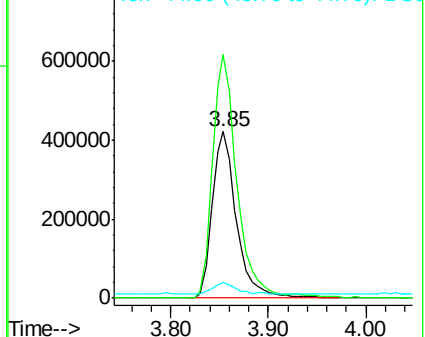
Ion	Ratio	Lower	Upper
42	100		
74	146.2	100.6	150.8
44	9.4	4.5	6.7

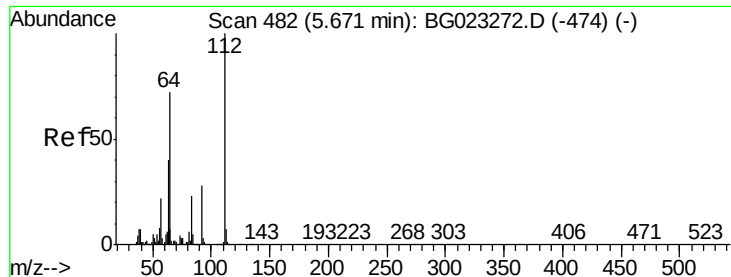


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 74.04 ng

RT: 5.67 min Scan# 482

Delta R.T. -0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

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SSTDIC080

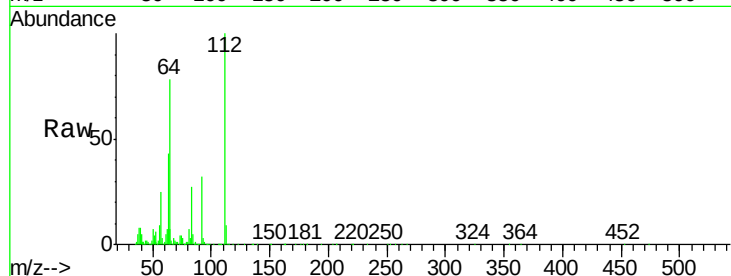
Tgt Ion: 112 Resp: 2189371

Ion Ratio Lower Upper

112 100

64 78.1 59.0 88.4

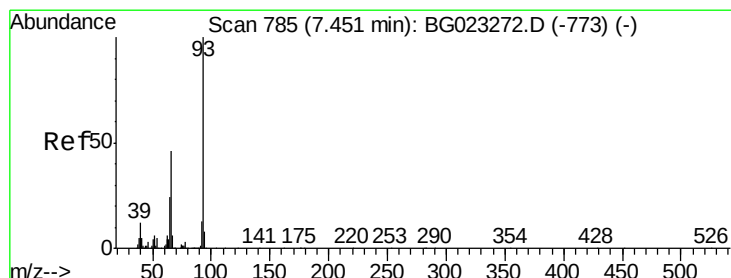
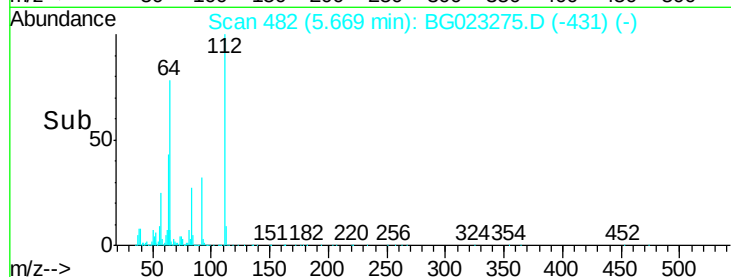
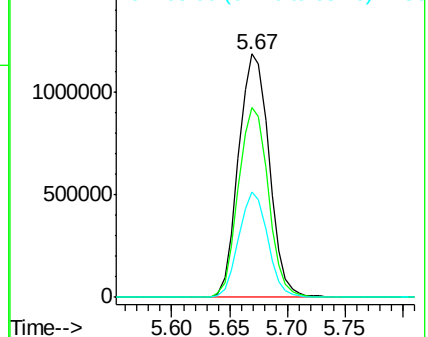
63 43.2 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 74.56 ng

RT: 7.46 min Scan# 787

Delta R.T. 0.01 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

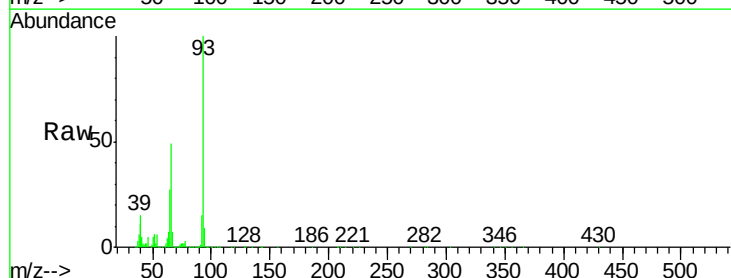
Tgt Ion: 93 Resp: 2250343

Ion Ratio Lower Upper

93 100

66 48.7 37.5 56.3

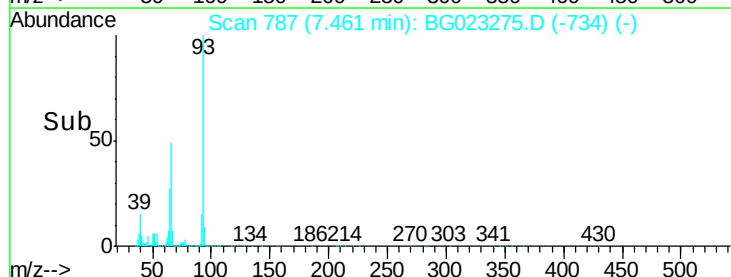
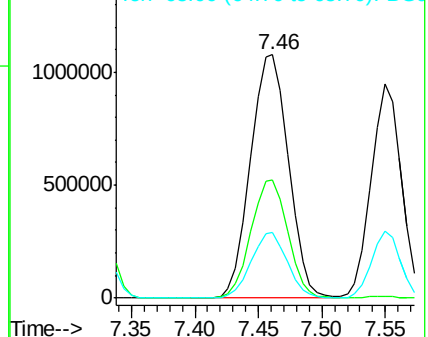
65 26.9 17.9 26.9#

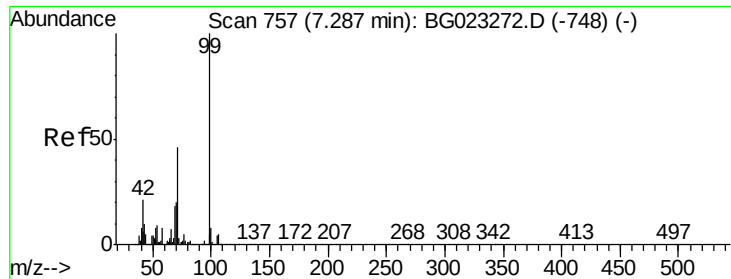


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 69.53 ng

RT: 7.30 min Scan# 759

Delta R.T. 0.01 min

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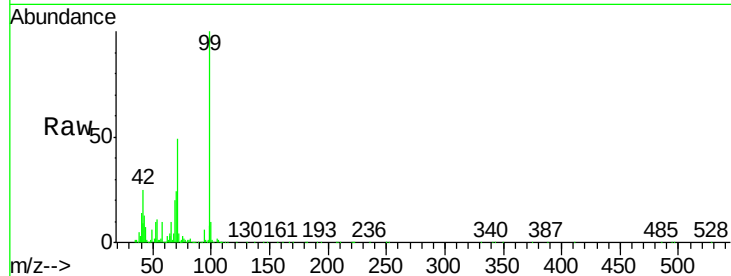
Tgt Ion: 99 Resp: 3154851

Ion Ratio Lower Upper

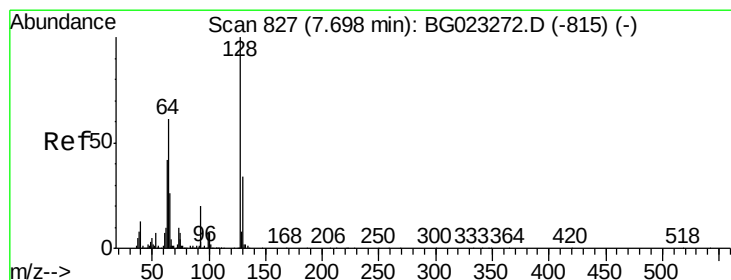
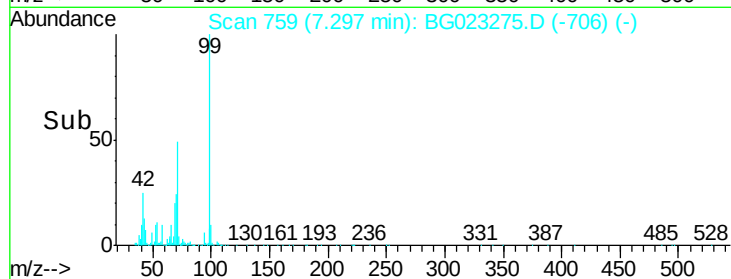
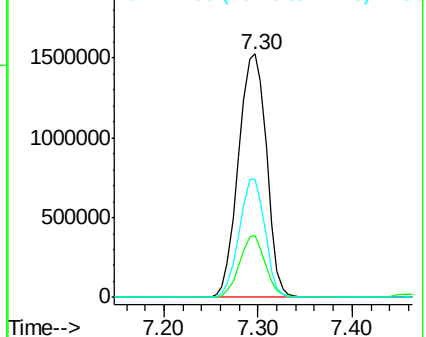
99 100

42 25.2 17.8 26.6

71 48.8 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 77.81 ng

RT: 7.70 min Scan# 828

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

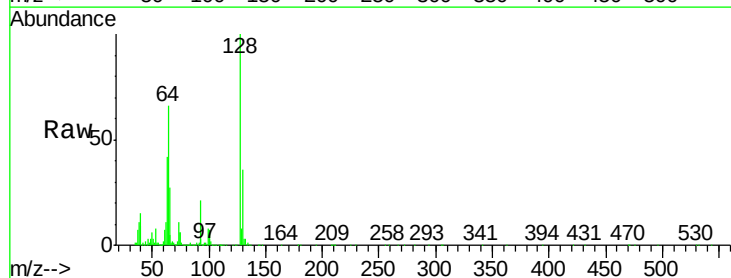
Tgt Ion: 128 Resp: 1280437

Ion Ratio Lower Upper

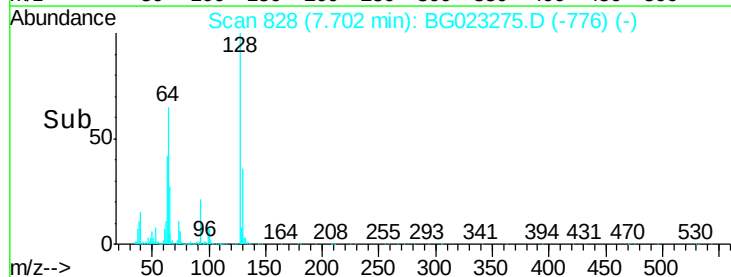
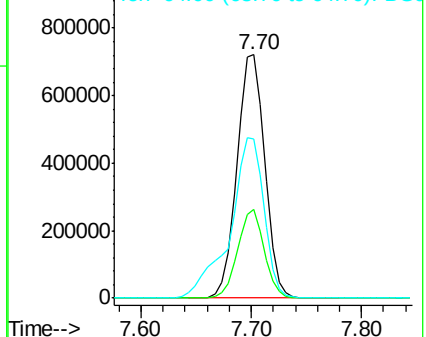
128 100

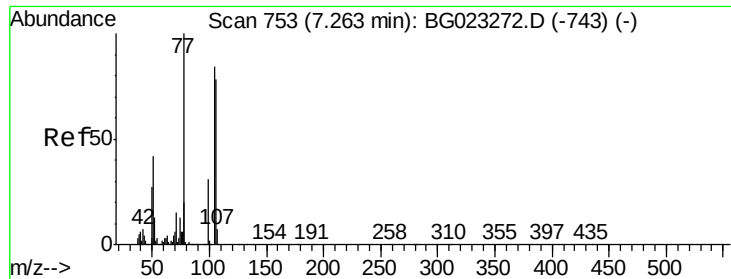
130 36.4 12.9 52.9

64 65.6 42.0 82.0



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





#9

Benzaldehyde

Concen: 67.37 ng

RT: 7.27 min Scan# 754

Delta R.T. 0.00 min

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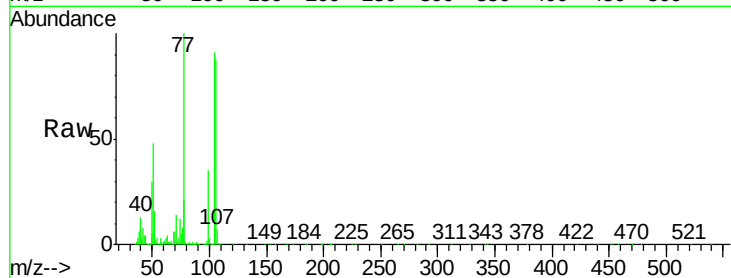
Tgt Ion: 77 Resp: 1095227

Ion Ratio Lower Upper

77 100

105 91.3 58.7 98.7

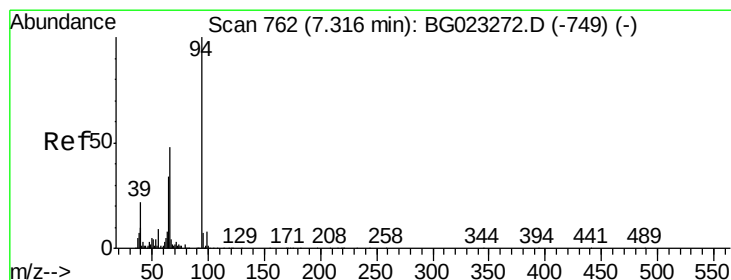
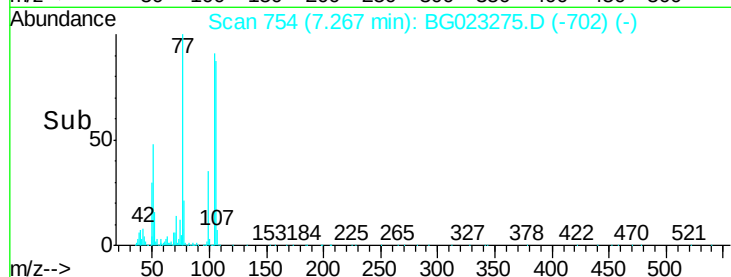
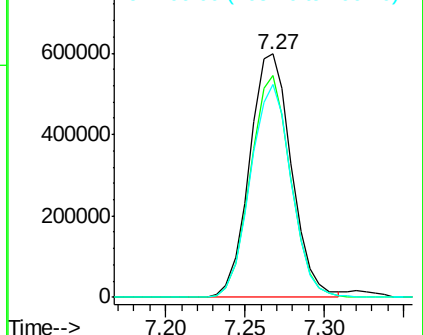
106 87.2 67.5 107.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 75.95 ng

RT: 7.32 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

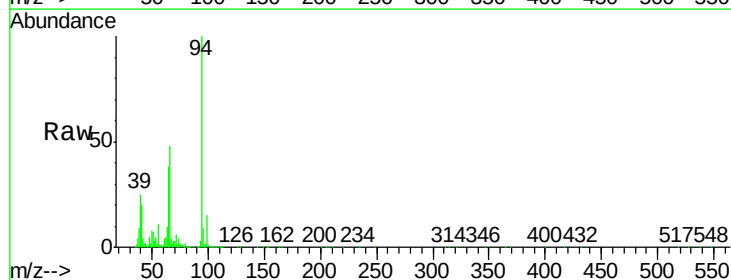
Tgt Ion: 94 Resp: 1811885

Ion Ratio Lower Upper

94 100

65 38.0 18.1 58.1

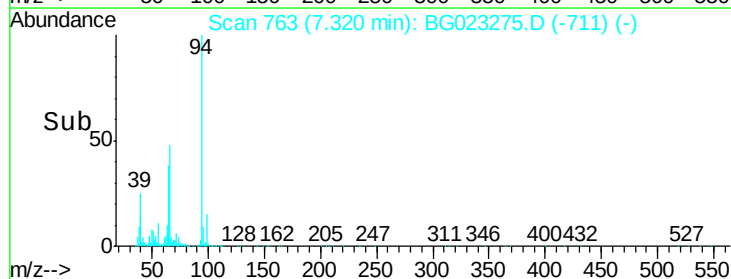
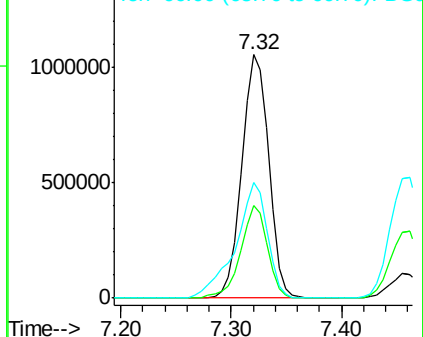
66 47.5 42.1 82.1

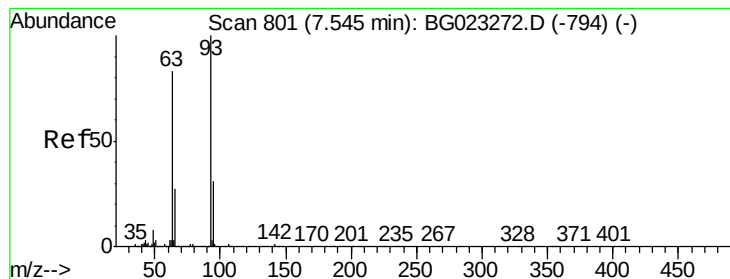


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 76.85 ng

RT: 7.55 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

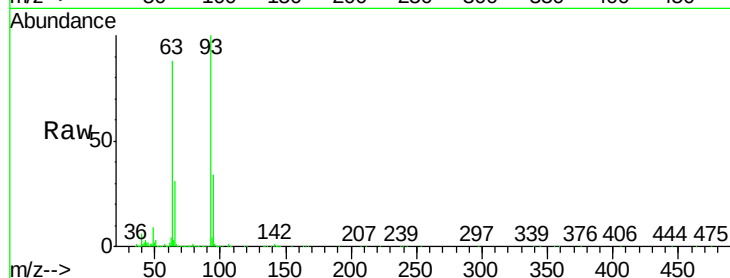
Tgt Ion: 93 Resp: 1563201

Ion Ratio Lower Upper

93 100

63 88.2 55.0 95.0

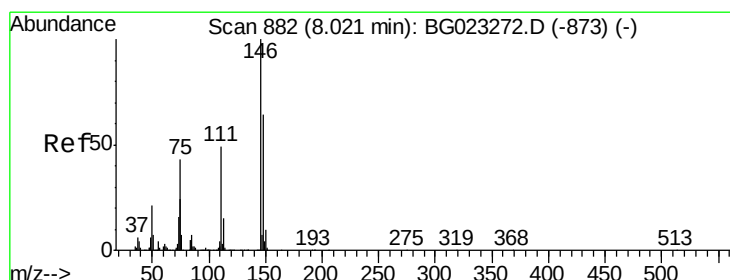
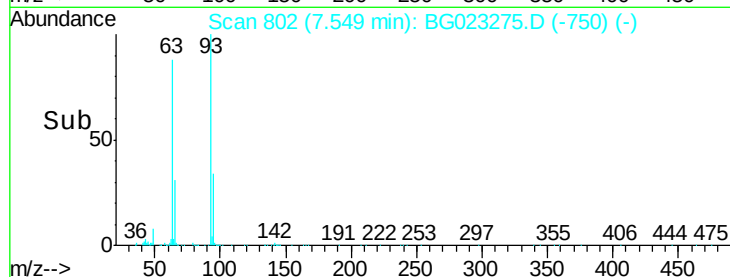
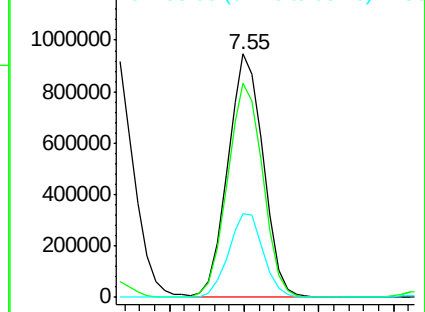
95 34.4 11.0 51.0



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 74.38 ng

RT: 8.03 min Scan# 883

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

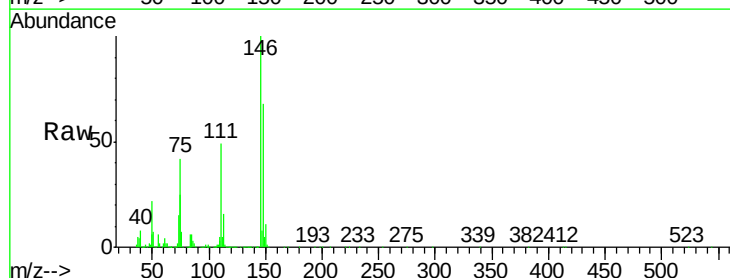
Tgt Ion: 146 Resp: 1379304

Ion Ratio Lower Upper

146 100

148 68.0 50.3 75.5

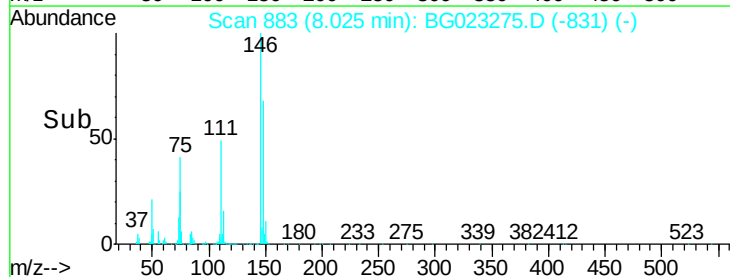
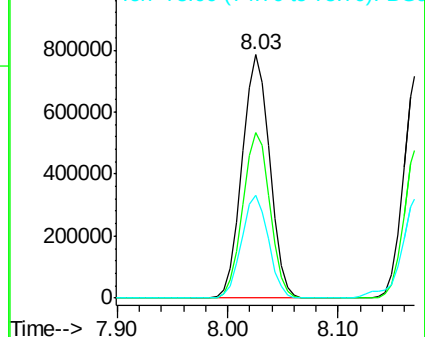
75 42.5 37.0 55.6

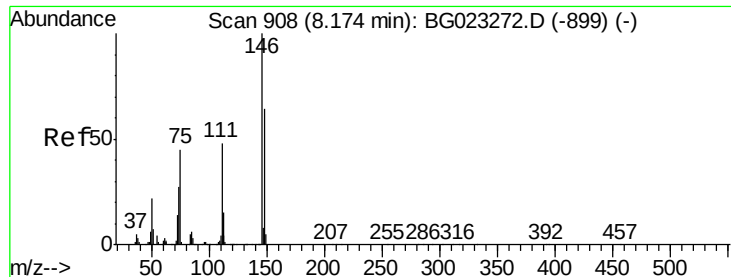


Abundance Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC

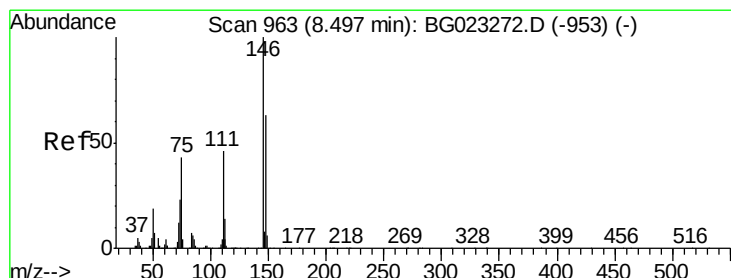
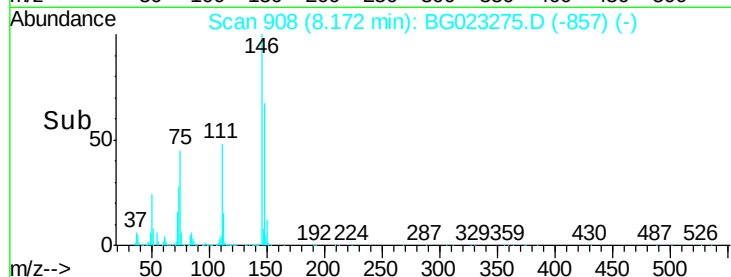
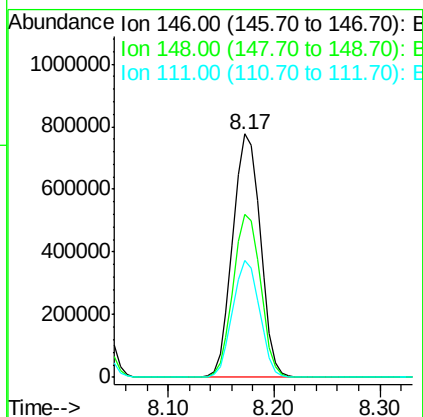
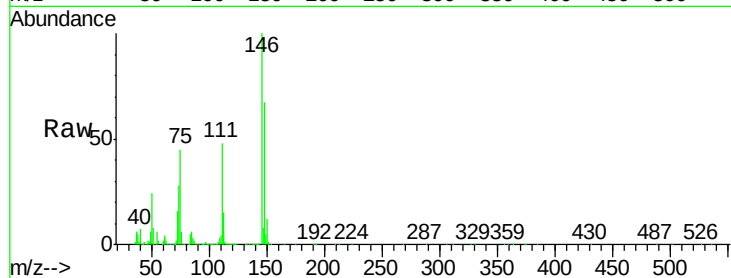




#13
1,4-Dichlorobenzene
Concen: 74.21 ng
RT: 8.17 min Scan# 908
Delta R.T. -0.00 min
Lab File: BG023275.D
Acq: 26 Jul 2016 20:06

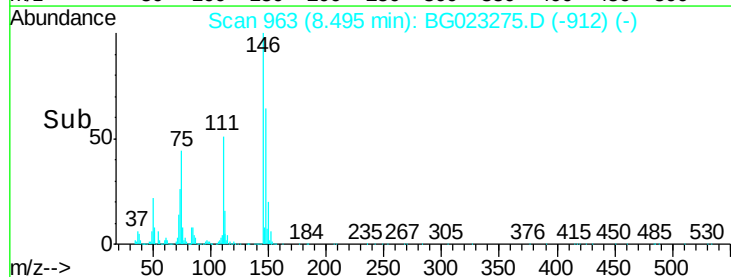
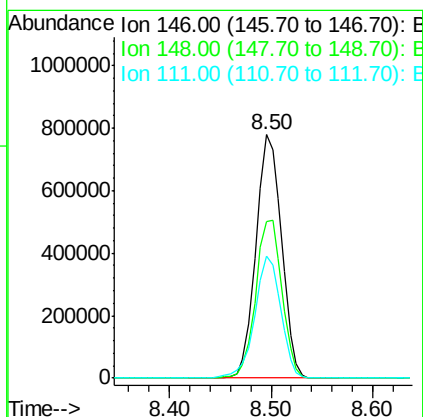
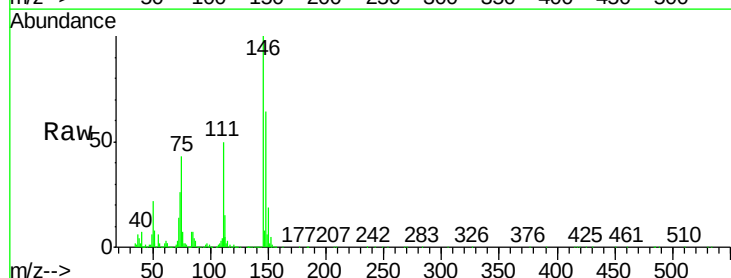
Instrument :
BNA_G
ClientSampleId :
SSTDICC080

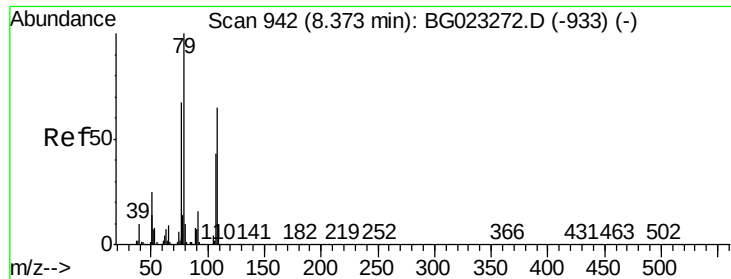
Tgt Ion:146 Resp: 1404257
Ion Ratio Lower Upper
146 100
148 66.9 54.5 81.7
111 48.2 37.8 56.8



#14
1,2-Dichlorobenzene
Concen: 74.96 ng
RT: 8.50 min Scan# 963
Delta R.T. -0.00 min
Lab File: BG023275.D
Acq: 26 Jul 2016 20:06

Tgt Ion:146 Resp: 1363361
Ion Ratio Lower Upper
146 100
148 64.5 52.9 79.3
111 50.0 43.5 65.3





#15

Benzyl Alcohol

Concen: 85.79 ng

RT: 8.38 min Scan# 943

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

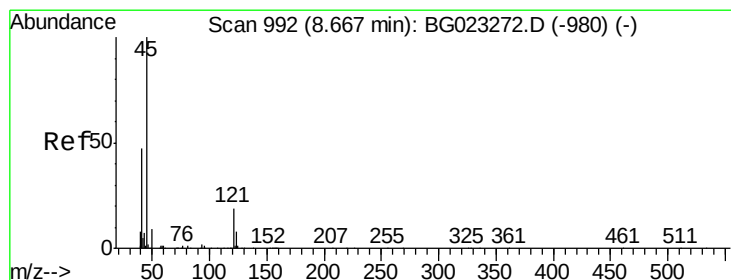
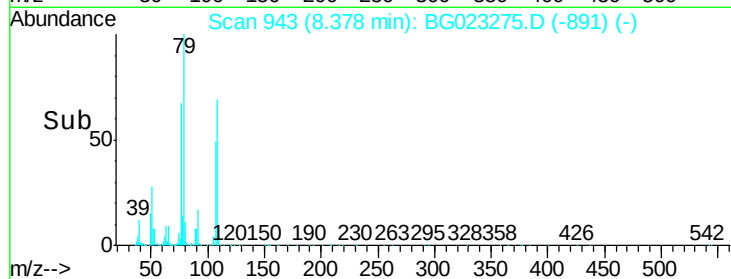
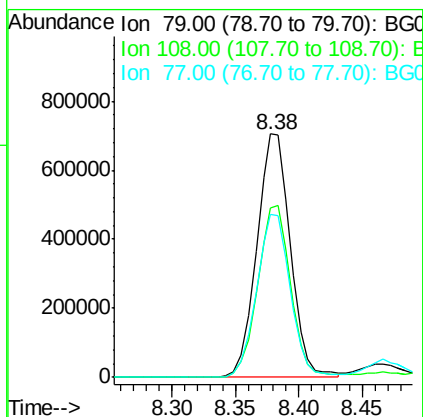
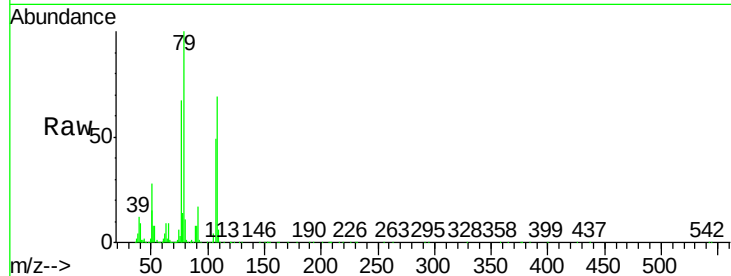
Tgt Ion: 79 Resp: 1295962

Ion Ratio Lower Upper

79 100

108 69.5 46.5 69.7

77 67.0 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 79.82 ng

RT: 8.67 min Scan# 993

Delta R.T. 0.00 min

Lab File: BG023275.D

Acq: 26 Jul 2016 20:06

Tgt Ion: 45 Resp: 2564217

Ion Ratio Lower Upper

45 100

77 15.7 0.6 40.6

79 13.1 0.0 36.2

