

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110716\
 Data File : BG024750.D
 Acq On : 8 Nov 2016 6:16
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 08 06:58:34 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	110514	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	433092	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	354751	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	805409	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1123142	20.00	ng	0.00
86) Perylene-d12	25.35	264	1190671	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.79	112	535528	79.42	ng	0.00
7) Phenol-d6	7.40	99	766814	82.91	ng	0.00
23) Nitrobenzene-d5	9.44	82	798441	83.94	ng	-0.01
41) 2,4,6-Tribromophenol	16.36	330	476359	89.88	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	1765533	82.72	ng	-0.01
78) Terphenyl-d14	20.20	244	3033152	80.70	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	107238	38.93	ng	89
3) Pyridine	4.07	79	343328	41.62	ng	89
4) n-Nitrosodimethylamine	3.98	42	171860	40.25	ng	85
6) Aniline	7.58	93	476495	40.67	ng	97
8) 2-Chlorophenol	7.82	128	275965	40.25	ng	97
9) Benzaldehyde	7.40	77	219983	38.49	ng	97
10) Phenol	7.43	94	396448	41.58	ng	98
11) bis(2-Chloroethyl)ether	7.67	93	287741	40.17	ng	91
12) 1,3-Dichlorobenzene	8.15	146	346525	40.83	ng	96
13) 1,4-Dichlorobenzene	8.30	146	344031	41.04	ng	97
14) 1,2-Dichlorobenzene	8.62	146	329881	40.93	ng	93
15) Benzyl Alcohol	8.50	79	342234	39.78	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.78	45	519094	39.06	ng	95
17) 2-Methylphenol	8.69	107	252782	40.01	ng	95
18) Hexachloroethane	9.35	117	131909	40.93	ng	96
19) n-Nitroso-di-n-propylamine	9.06	70	278440	40.85	ng	88
20) 3+4-Methylphenols	9.02	107	371416	43.79	ng	91
22) Acetophenone	9.09	105	466329	41.92	ng	# 88
24) Nitrobenzene	9.48	77	437600	41.35	ng	97
25) Isophorone	10.00	82	741292	41.90	ng	97
26) 2-Nitrophenol	10.19	139	171193	43.58	ng	98
27) 2,4-Dimethylphenol	10.23	122	302892	44.05	ng	98
28) bis(2-Chloroethoxy)methane	10.48	93	376511	41.13	ng	98
29) 2,4-Dichlorophenol	10.73	162	318692	44.16	ng	93
30) 1,2,4-Trichlorobenzene	10.95	180	363445	42.45	ng	100
31) Naphthalene	11.14	128	925859	42.86	ng	98
32) Benzoic acid	10.38	122	229920	40.15	ng	91
33) 4-Chloroaniline	11.25	127	401242	42.78	ng	# 93
34) Hexachlorobutadiene	11.41	225	290602	43.37	ng	94
35) Caprolactam	12.02	113	114560	43.36	ng	# 82
36) 4-Chloro-3-methylphenol	12.34	107	383304	43.99	ng	100
37) 2-Methylnaphthalene	12.73	142	682816	43.32	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.08	216	492714	41.18	ng	98
40) Hexachlorocyclopentadiene	13.06	237	273513	40.59	ng	96

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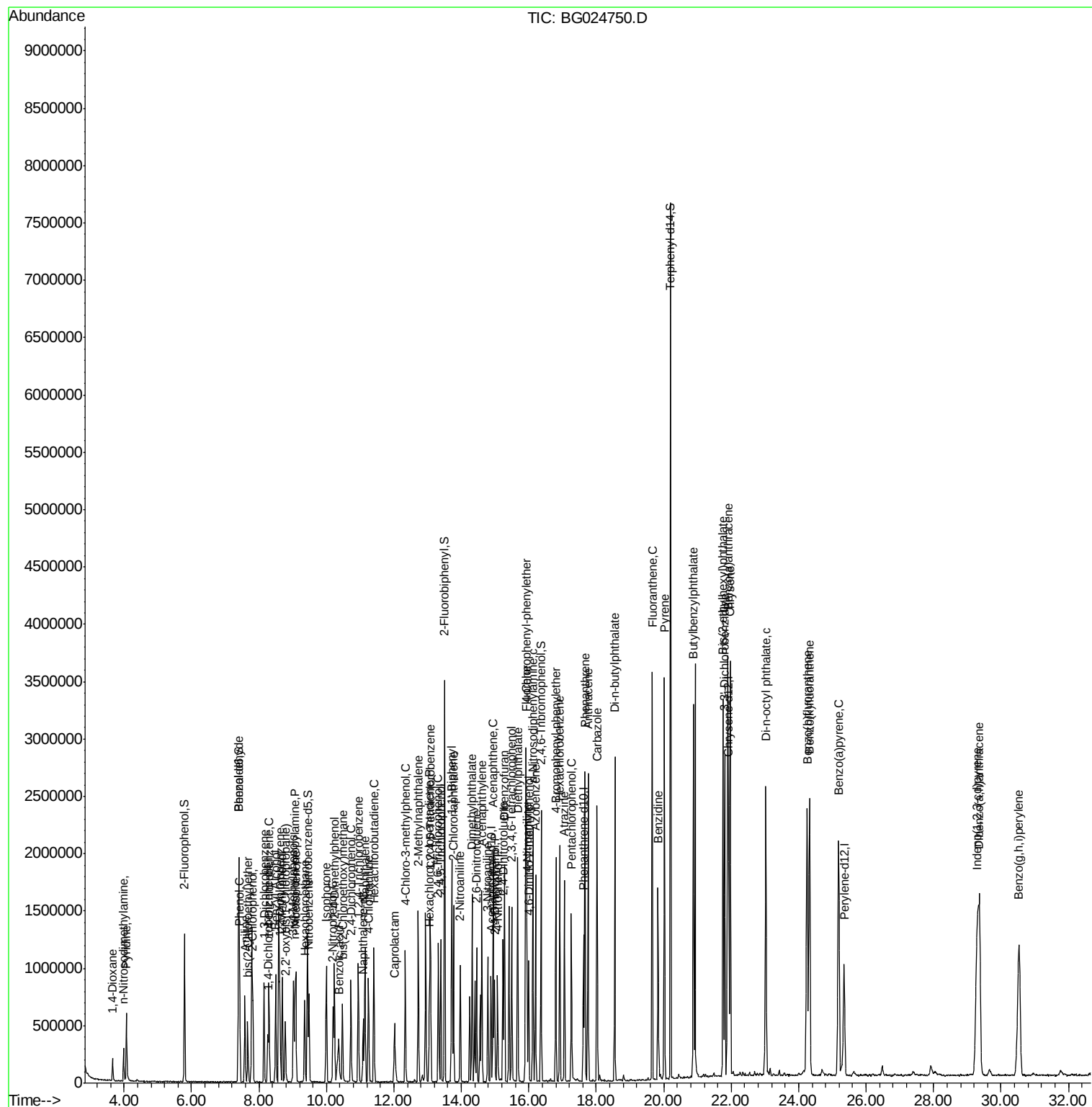
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	305258	42.44	ng	93
43) 2,4,5-Trichlorophenol	13.39	196	327690	42.14	ng	97
45) 1,1'-Biphenyl	13.71	154	993186	40.35	ng	98
46) 2-Chloronaphthalene	13.77	162	767198	40.93	ng	98
47) 2-Nitroaniline	13.97	65	319839	41.67	ng	97
48) Acenaphthylene	14.61	152	1187955	41.32	ng	98
49) Dimethylphthalate	14.33	163	1044883	41.49	ng	99
50) 2,6-Dinitrotoluene	14.45	165	233338	43.40	ng	83
51) Acenaphthene	14.94	154	784828	36.62	ng	97
52) 3-Nitroaniline	14.79	138	224973	40.44	ng	99
53) 2,4-Dinitrophenol	14.99	184	193162	49.58	ng	99
54) Dibenzofuran	15.28	168	1227731	41.44	ng	96
55) 4-Nitrophenol	15.07	139	193598	39.94	ng	91
56) 2,4-Dinitrotoluene	15.24	165	344037	44.03	ng	93
57) Fluorene	15.92	166	1028136	41.85	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.49	232	346110	42.93	ng	# 93
59) Diethylphthalate	15.67	149	1073861	40.67	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	568095	41.21	ng	100
61) 4-Nitroaniline	15.95	138	263357	43.33	ng	88
62) Azobenzene	16.20	77	1058402	40.19	ng	97
64) 4,6-Dinitro-2-methylphenol	15.99	198	252794	45.56	ng	99
65) n-Nitrosodiphenylamine	16.12	169	923188	41.93	ng	99
66) 4-Bromophenyl-phenylether	16.80	248	419135	42.87	ng	95
67) Hexachlorobenzene	16.92	284	483772	44.78	ng	# 88
68) Atrazine	17.06	200	376024	39.81	ng	97
69) Pentachlorophenol	17.26	266	303729	42.61	ng	97
70) Phenanthrene	17.66	178	1723113	41.97	ng	96
71) Anthracene	17.76	178	1747709	42.20	ng	98
72) Carbazole	18.03	167	1601678	42.40	ng	97
73) Di-n-butylphthalate	18.55	149	1834657	42.13	ng	98
74) Fluoranthene	19.66	202	2254060	43.43	ng	97
76) Benzidine	19.83	184	955036	36.09	ng	96
77) Pyrene	20.02	202	2287674	41.67	ng	98
79) Butylbenzylphthalate	20.88	149	932642	40.74	ng	99
80) Benzo(a)anthracene	21.90	228	2518042	40.81	ng	99
81) 3,3'-Dichlorobenzidine	21.80	252	1030946	41.42	ng	99
82) Chrysene	21.97	228	2395885	40.77	ng	99
83) Bis(2-ethylhexyl)phthalate	21.75	149	1343118	41.02	ng	98
84) Di-n-octyl phthalate	23.03	149	2237243	41.17	ng	# 94
85) Indeno(1,2,3-cd)pyrene	29.30	276	3256152	40.14	ng	# 98
87) Benzo(b)fluoranthene	24.25	252	2668630	41.46	ng	97
88) Benzo(k)fluoranthene	24.33	252	2560564	41.20	ng	98
89) Benzo(a)pyrene	25.18	252	2609723	41.50	ng	98
90) Dibenzo(a,h)anthracene	29.36	278	2781059	40.29	ng	97
91) Benzo(g,h,i)perylene	30.53	276	2782435	40.35	ng	98

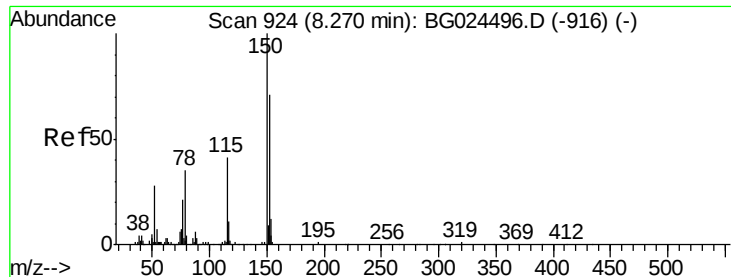
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

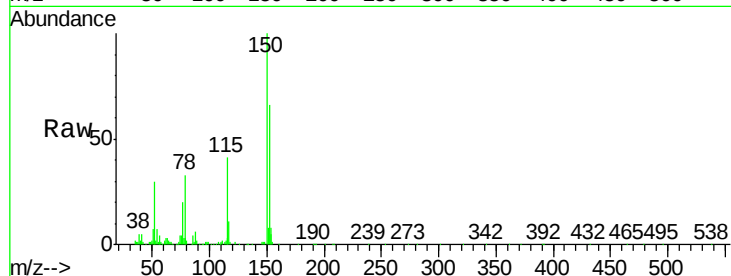
Tgt Ion:152 Resp: 110514

Ion Ratio Lower Upper

152 100

150 151.5 114.0 171.0

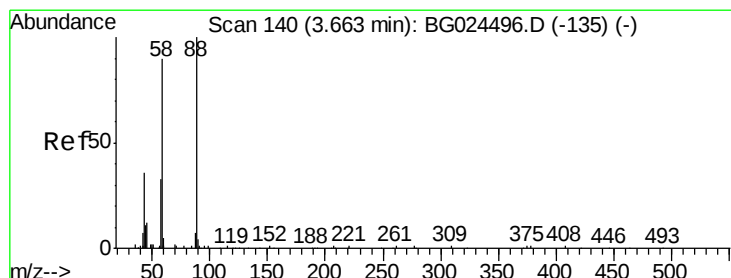
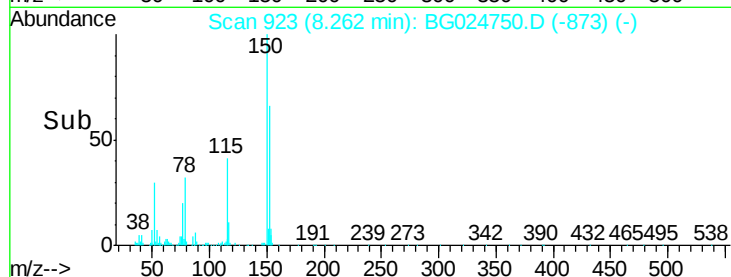
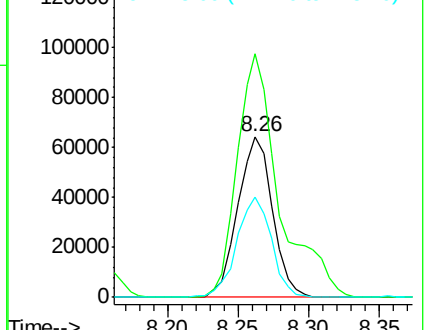
115 62.1 48.1 72.1



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: 38.93 ng

RT: 3.66 min Scan# 139

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

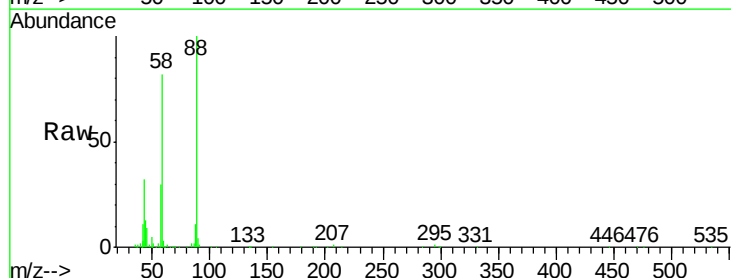
Tgt Ion: 88 Resp: 107238

Ion Ratio Lower Upper

88 100

58 89.5 79.4 119.2

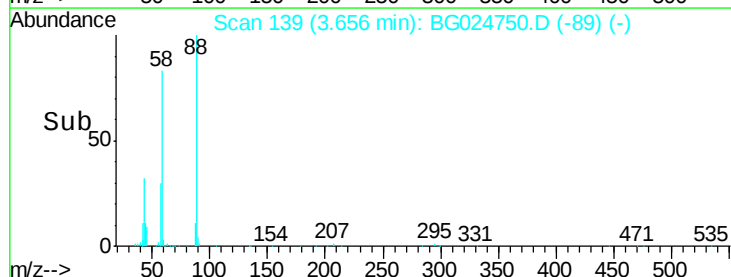
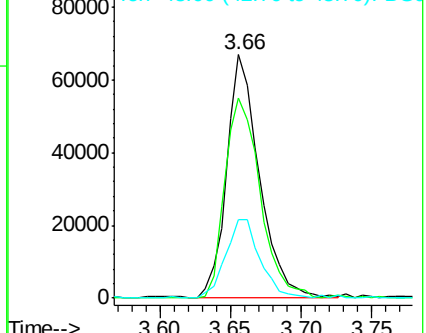
43 34.4 33.8 50.6

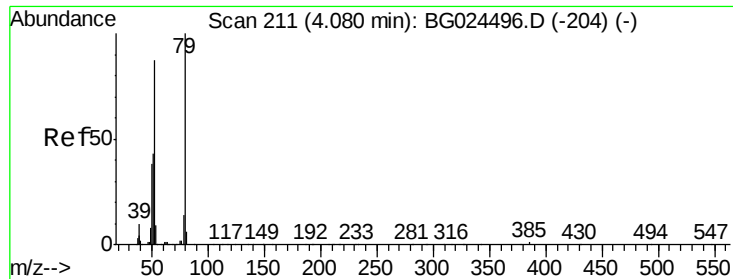


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 41.62 ng

RT: 4.07 min Scan# 209

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

Instrument :

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ClientSampleId :

SSTDCCC040

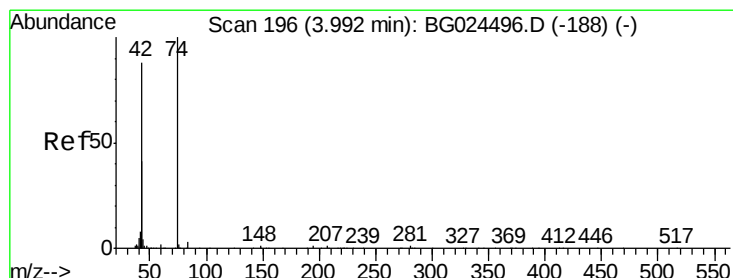
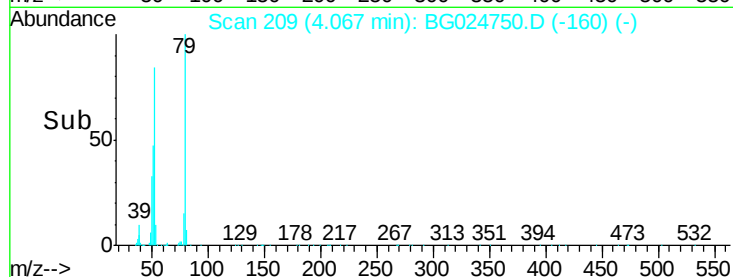
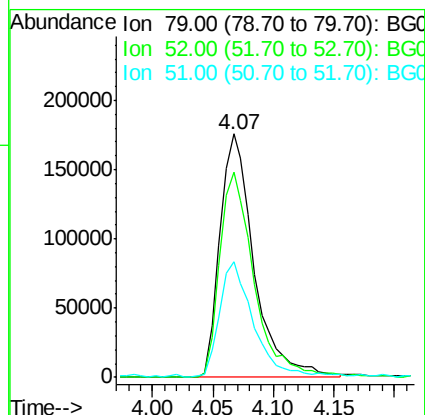
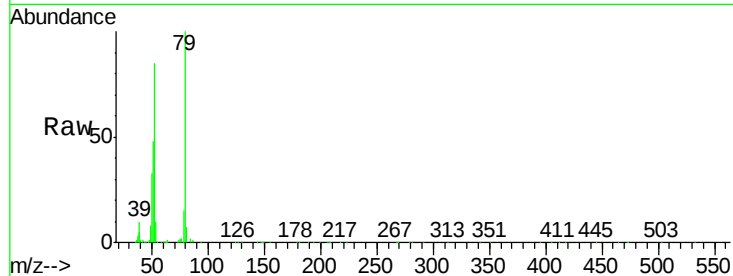
Tgt Ion: 79 Resp: 343328

Ion Ratio Lower Upper

79 100

52 84.5 77.8 116.6

51 47.6 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 40.25 ng

RT: 3.98 min Scan# 195

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

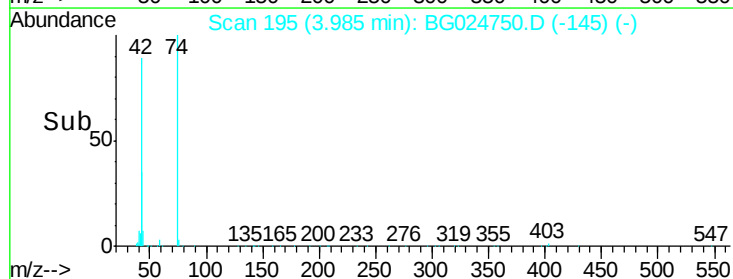
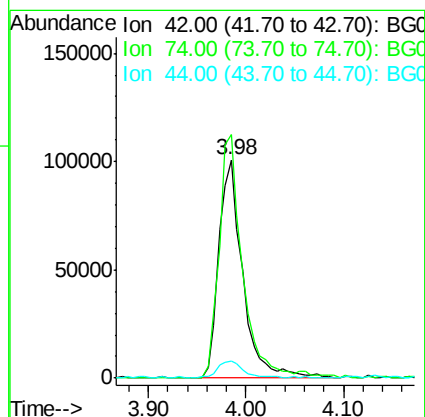
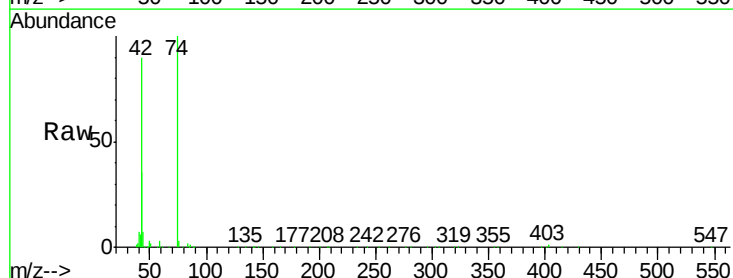
Tgt Ion: 42 Resp: 171860

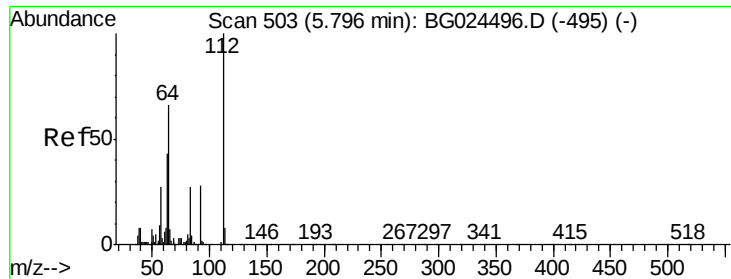
Ion Ratio Lower Upper

42 100

74 111.4 76.7 115.1

44 8.0 6.1 9.1





#5

2-Fluorophenol

Concen: 79.42 ng

RT: 5.79 min Scan# 502

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

Instrument :

BNA_G

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SSTDCCC040

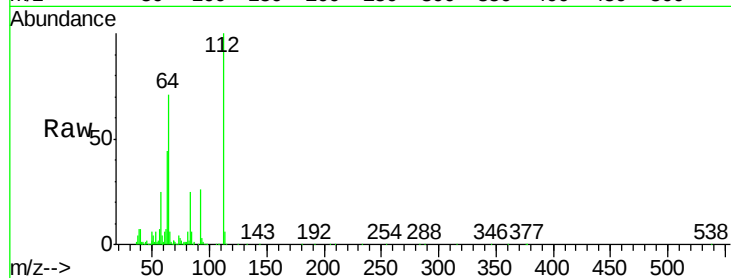
Tgt Ion: 112 Resp: 53528

Ion Ratio Lower Upper

112 100

64 71.4 61.8 92.6

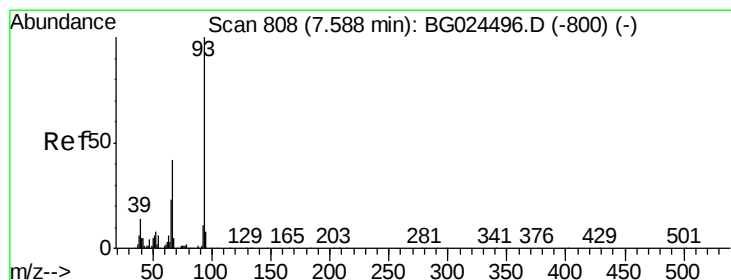
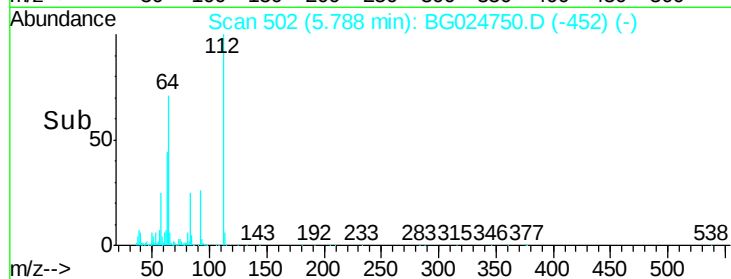
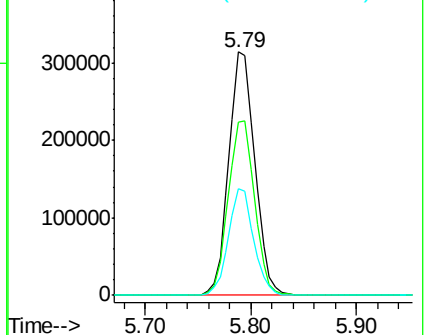
63 44.0 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 40.67 ng

RT: 7.58 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

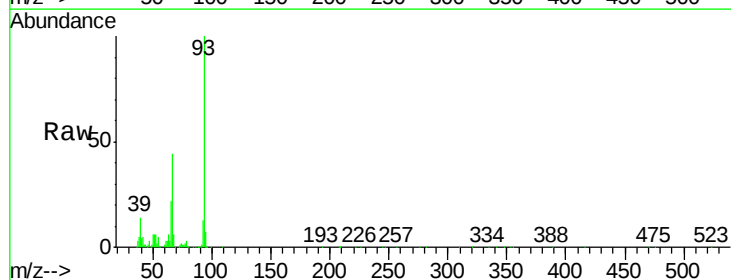
Tgt Ion: 93 Resp: 476495

Ion Ratio Lower Upper

93 100

66 44.3 35.4 53.2

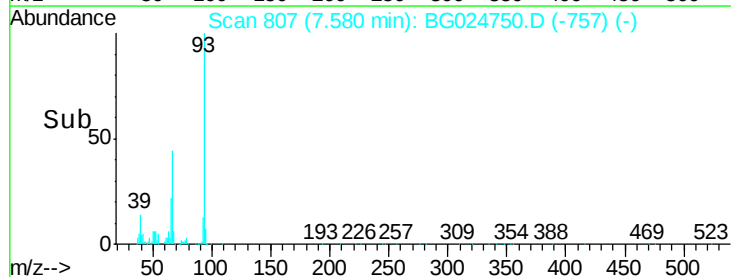
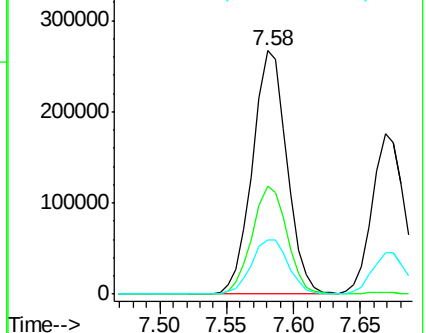
65 22.2 21.2 31.8

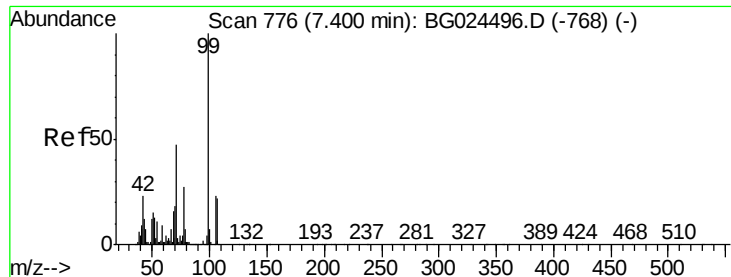


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 82.91 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG024750.D

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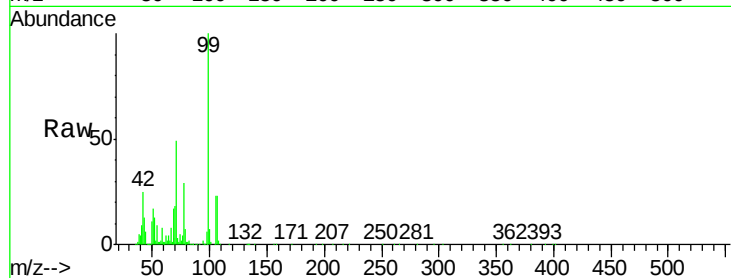
Tgt Ion: 99 Resp: 766814

Ion Ratio Lower Upper

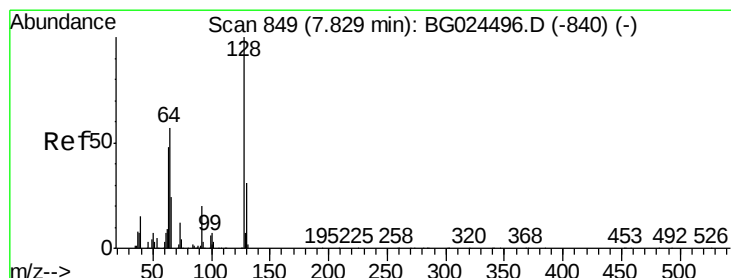
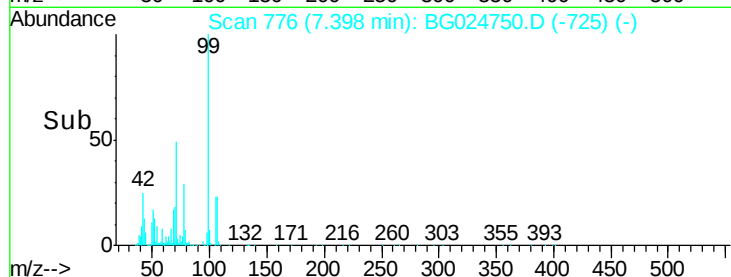
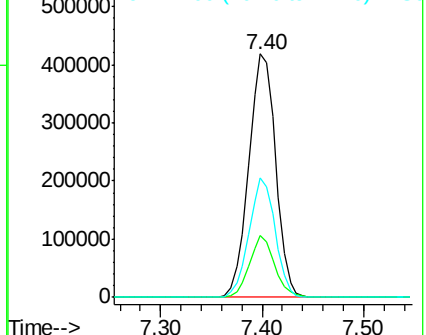
99 100

42 25.4 20.5 30.7

71 49.0 37.6 56.4



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: 40.25 ng

RT: 7.82 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

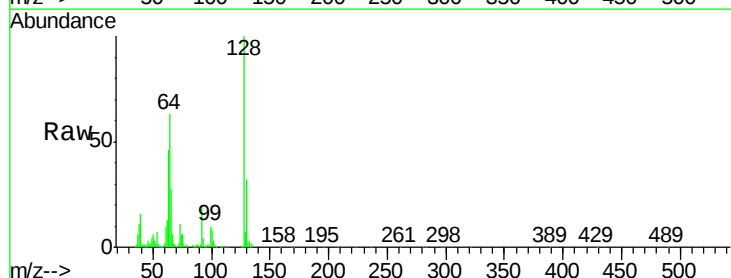
Tgt Ion: 128 Resp: 275965

Ion Ratio Lower Upper

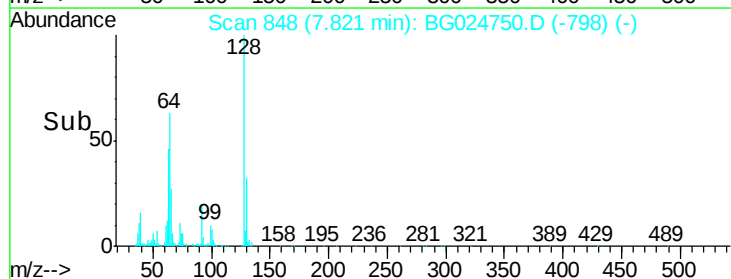
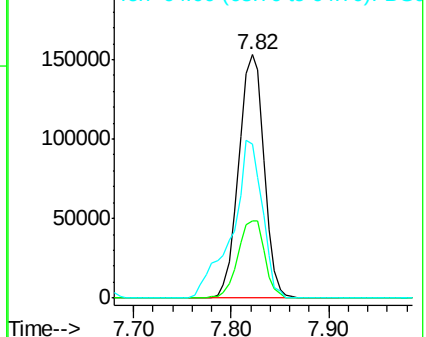
128 100

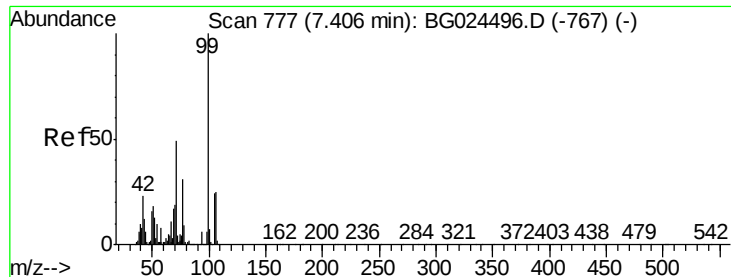
130 31.9 11.4 51.4

64 63.2 46.6 86.6



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: 38.49 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

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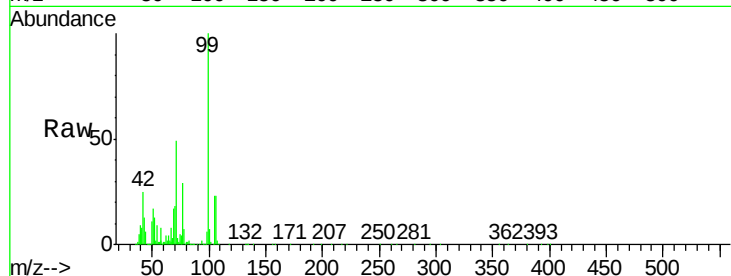
Tgt Ion: 77 Resp: 219983

Ion Ratio Lower Upper

77 100

105 79.9 60.9 100.9

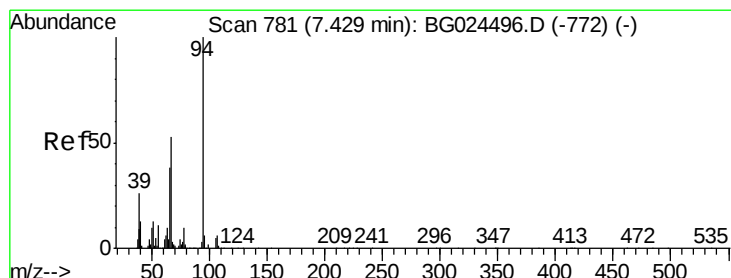
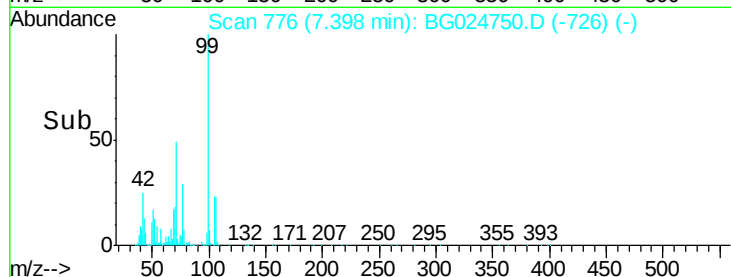
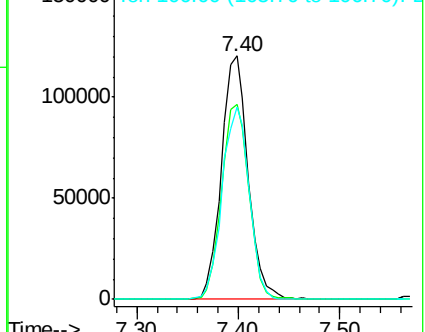
106 79.1 55.1 95.1



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: 41.58 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.00 min

Lab File: BG024750.D

Acq: 8 Nov 2016 6:16

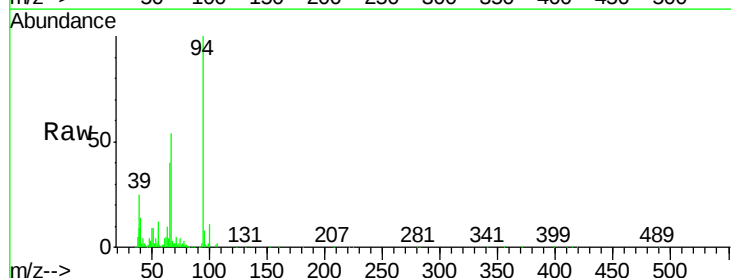
Tgt Ion: 94 Resp: 396448

Ion Ratio Lower Upper

94 100

65 39.6 20.6 60.6

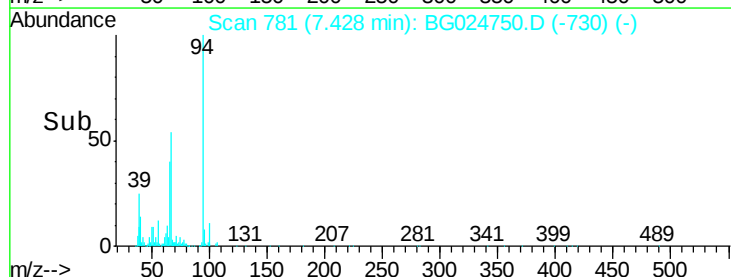
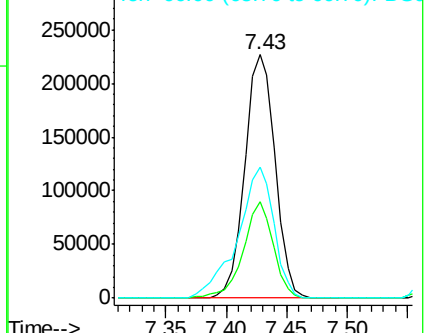
66 53.9 35.5 75.5

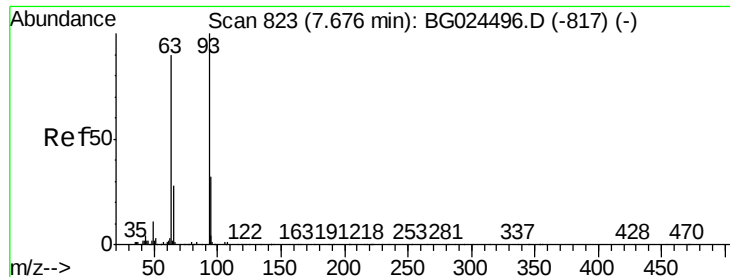


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

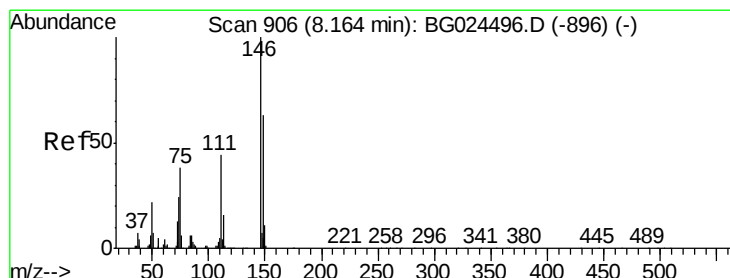
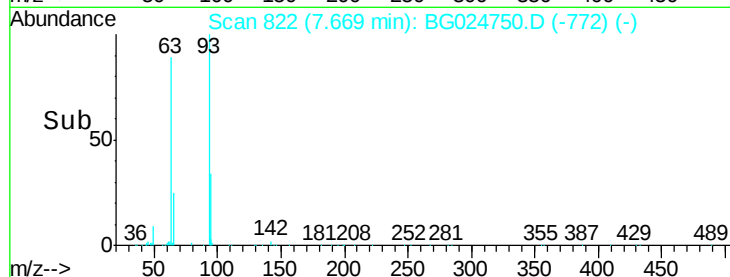
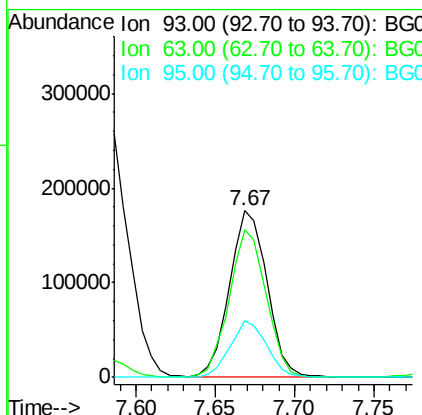
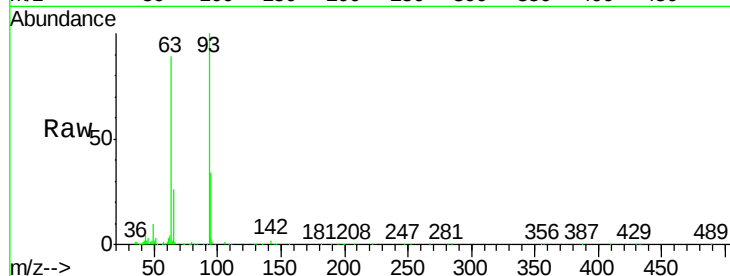




#11
bis(2-Chloroethyl)ether
Concen: 40.17 ng
RT: 7.67 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG024750.D
Acq: 8 Nov 2016 6:16

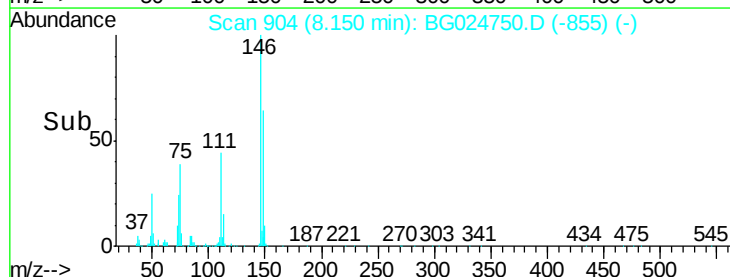
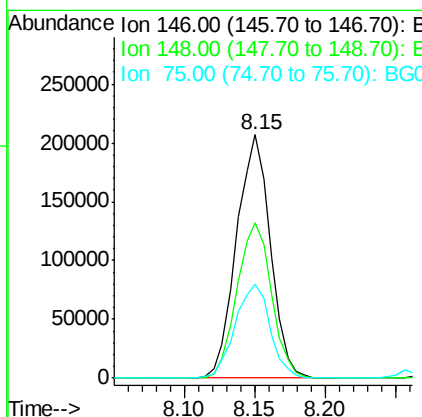
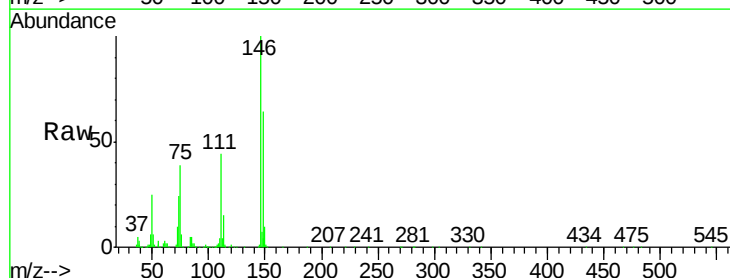
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 287741
Ion Ratio Lower Upper
93 100
63 89.1 78.5 118.5
95 33.9 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 40.83 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG024750.D
Acq: 8 Nov 2016 6:16

Tgt Ion: 146 Resp: 346525
Ion Ratio Lower Upper
146 100
148 63.9 49.2 73.8
75 38.6 33.4 50.2

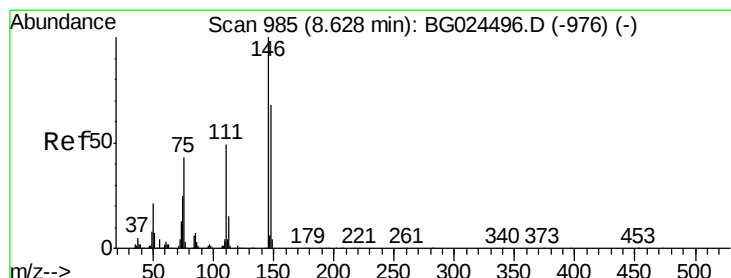
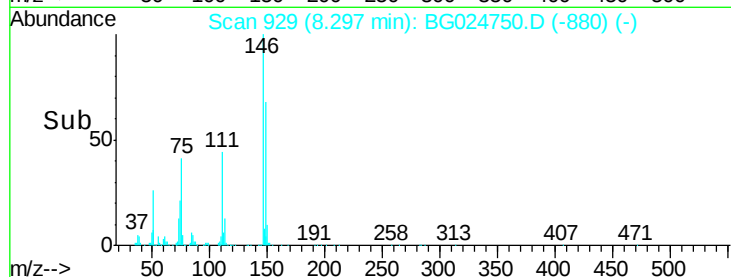
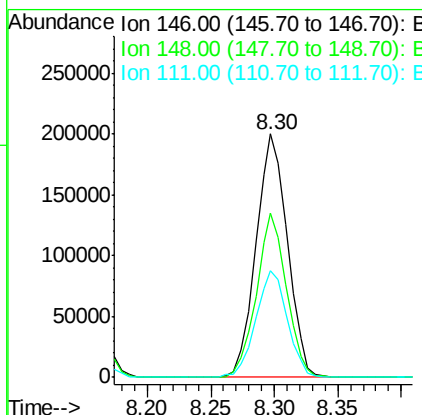
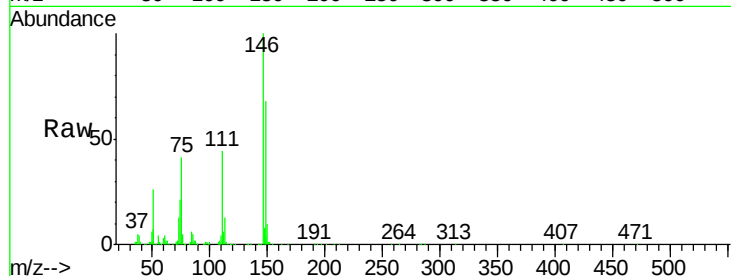




#13
 1,4-Dichlorobenzene
 Concen: 41.04 ng
 RT: 8.30 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: BG024750.D
 Acq: 8 Nov 2016 6:16

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.6	52.2	78.2
111	44.0	37.0	55.6



#14
 1,2-Dichlorobenzene
 Concen: 40.93 ng
 RT: 8.62 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BG024750.D
 Acq: 8 Nov 2016 6:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.8	54.6	81.8
111	47.1	39.7	59.5

