

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080316\
 Data File : BG023423.D
 Acq On : 3 Aug 2016 12:59
 Operator : UM/SJ
 Sample : H4145-18DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 9524DL

Quant Time: Aug 04 02:30:14 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	105028	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	496404	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	374051	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	977242	20.00	ng	0.00
75) Chrysene-d12	21.86	240	958524	20.00	ng	0.00
86) Perylene-d12	25.24	264	916987	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	62859	10.07	ng	0.00
7) Phenol-d6	7.27	99	112724	11.60	ng	0.00
23) Nitrobenzene-d5	9.29	82	80388	8.05	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	106142	19.40	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	256879	11.58	ng	0.00
78) Terphenyl-d14	20.15	244	585575	-0.03	ng	0.00

Target Compounds						Qvalue
6) Aniline	7.53	93	47379	3.37	ng	# 51
8) 2-Chlorophenol	7.68	128	26256	3.66	ng	89
9) Benzaldehyde	7.25	77	547	Below Cal		# 72
10) Phenol	7.30	94	144711	13.92	ng	# 77
11) bis(2-Chloroethyl)ether	7.53	93	47379	5.71	ng	96
12) 1,3-Dichlorobenzene	8.01	146	27373	3.34	ng	91
13) 1,4-Dichlorobenzene	8.01	146	27373	3.26	ng	93
17) 2-Methylphenol	8.56	107	70848	10.16	ng	# 85
19) n-Nitroso-di-n-propylamine	8.92	70	177585	21.24	ng	94
20) 3+4-Methylphenols	8.89	107	119445	12.16	ng	# 76
25) Isophorone	9.86	82	381472	18.34	ng	# 94
26) 2-Nitrophenol	10.06	139	59752	12.80	ng	# 70
29) 2,4-Dichlorophenol	10.60	162	150008	18.77	ng	98
30) 1,2,4-Trichlorobenzene	10.81	180	178194	20.68	ng	99
31) Naphthalene	11.00	128	231650	9.16	ng	98
32) Benzoic acid	10.16	122	168	6.46	ng	# 35
33) 4-Chloroaniline	11.00	127	32496	2.69	ng	# 35
34) Hexachlorobutadiene	11.28	225	78837	13.91	ng	95
36) 4-Chloro-3-methylphenol	12.24	107	65102	6.20	ng	99
37) 2-Methylnaphthalene	12.61	142	211335	11.00	ng	92
42) 2,4,6-Trichlorophenol	13.29	196	142397	17.62	ng	92
43) 2,4,5-Trichlorophenol	13.29	196	142397	17.12	ng	97
46) 2-Chloronaphthalene	13.66	162	103024	4.66	ng	99
48) Acenaphthylene	14.50	152	255665	7.31	ng	96
50) 2,6-Dinitrotoluene	14.36	165	124251	18.28	ng	# 81
54) Dibenzofuran	15.18	168	1357192	42.20	ng	95
55) 4-Nitrophenol	15.01	139	63039	10.47	ng	# 85
56) 2,4-Dinitrotoluene	15.15	165	72153	7.56	ng	90
57) Fluorene	15.83	166	735879	26.22	ng	97
59) Diethylphthalate	15.58	149	1103955	37.89	ng	99
60) 4-Chlorophenyl-phenylether	15.82	204	529888	35.68	ng	98
65) n-Nitrosodiphenylamine	15.82	169	59922	2.09	ng	# 73
66) 4-Bromophenyl-phenylether	16.72	248	107237	9.42	ng	96
67) Hexachlorobenzene	16.84	284	512271	41.11	ng	97

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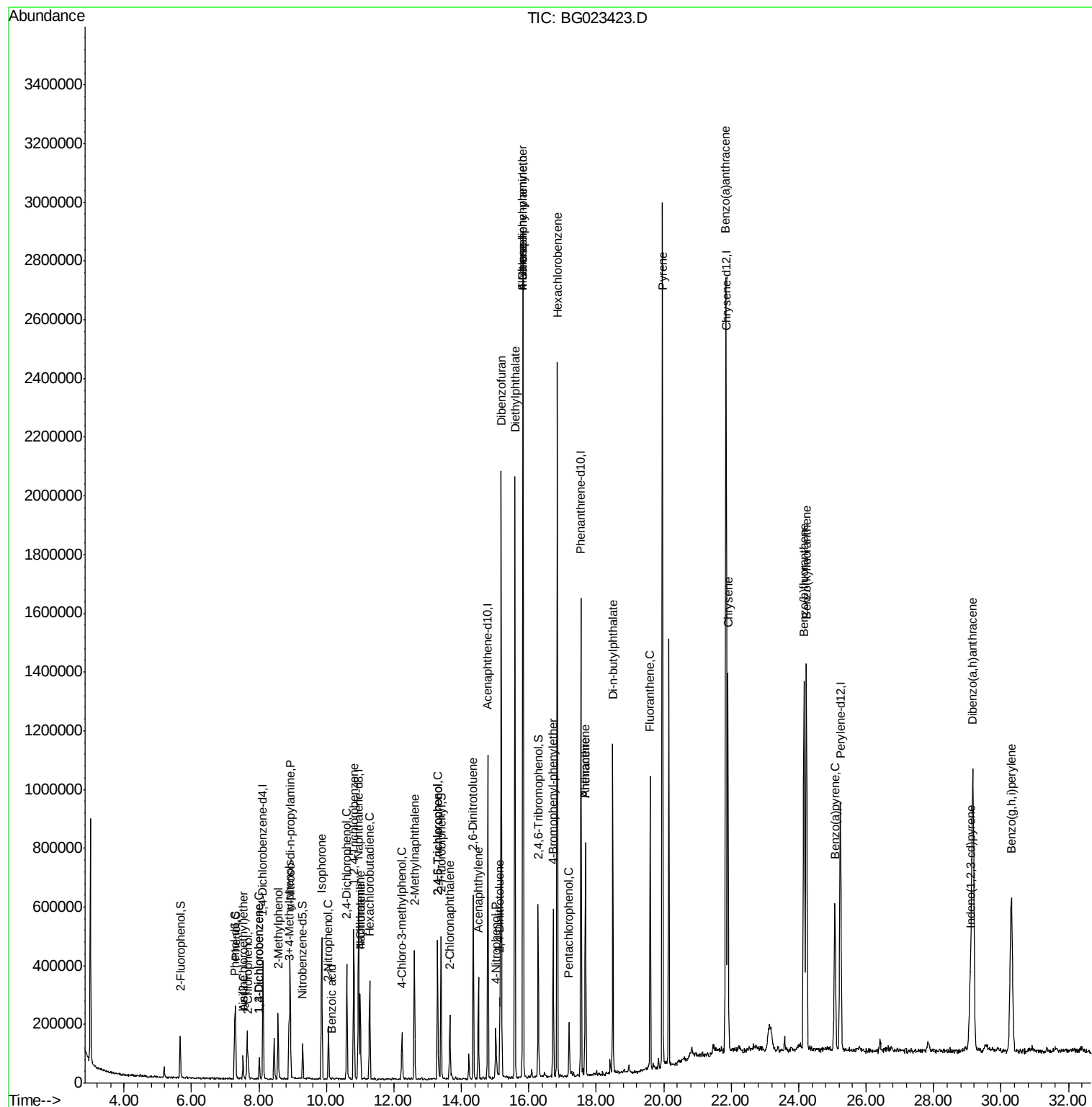
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	17.19	266	34063	4.69	ng	# 84
70) Phenanthrene	17.68	178	507898	10.24	ng	96
71) Anthracene	17.68	178	507898	10.18	ng	95
73) Di-n-butylphthalate	18.49	149	782184	11.96	ng	# 95
74) Fluoranthene	19.60	202	615329	5.71	ng	94
77) Pyrene	19.96	202	1780302	29.82	ng	98
80) Benzo(a)anthracene	21.83	228	1599133	30.22	ng	96
82) Chrysene	21.91	228	806674	16.02	ng	97
85) Indeno(1,2,3-cd)pyrene	29.08	276	413281	6.57	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	1274969	24.71	ng	# 96
88) Benzo(k)fluoranthene	24.23	252	1275341	25.74	ng	# 97
89) Benzo(a)pyrene	25.08	252	569058	11.60	ng	# 96
90) Dibenzo(a,h)anthracene	29.16	278	1691150	33.74	ng	# 93
91) Benzo(g,h,i)perylene	30.31	276	1107707	21.95	ng	# 92

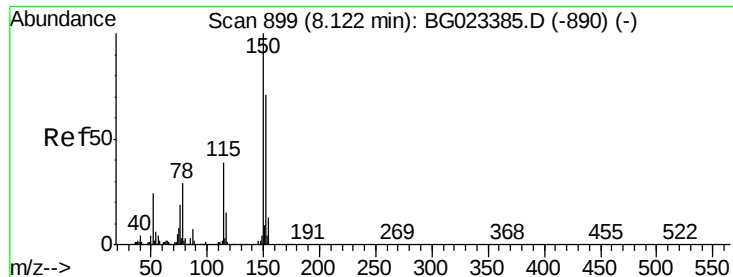
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

Instrument :

BNA_G

ClientSampleId :

9524DL

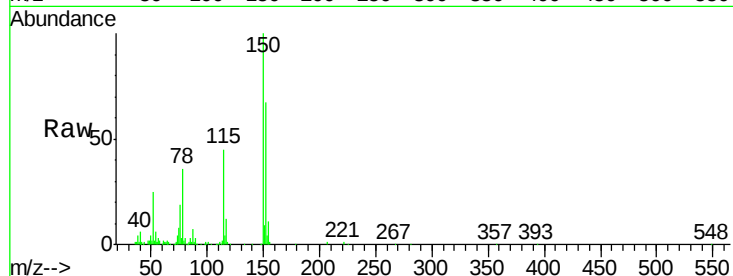
Tgt Ion:152 Resp: 105028

Ion Ratio Lower Upper

152 100

150 148.2 144.7 217.1

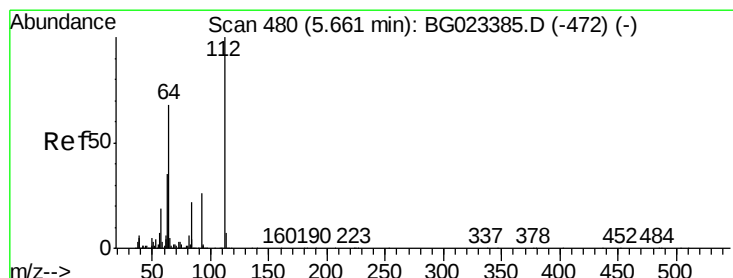
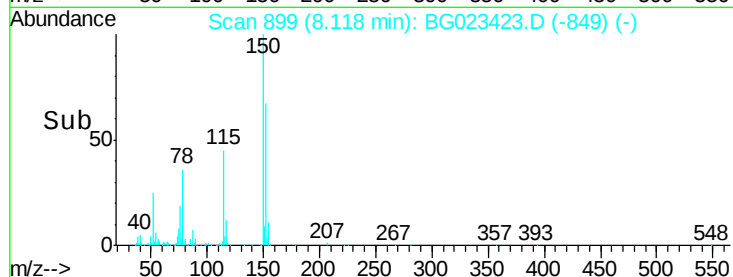
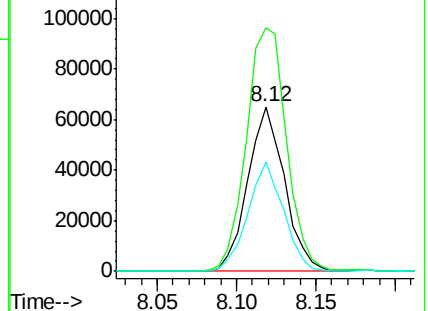
115 66.5 64.0 96.0



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



#5

2-Fluorophenol

Concen: 10.07 ng

RT: 5.66 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

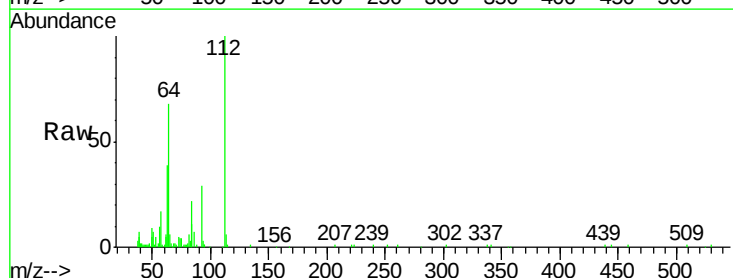
Tgt Ion:112 Resp: 62859

Ion Ratio Lower Upper

112 100

64 68.5 59.0 88.4

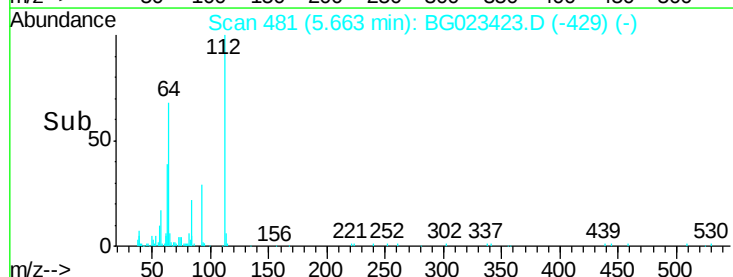
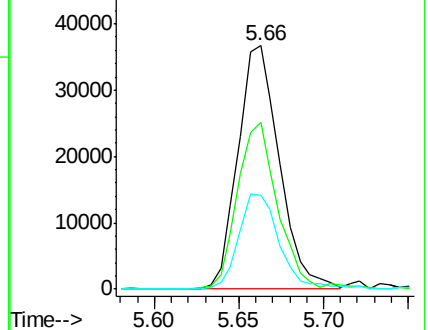
63 38.8 37.8 56.8

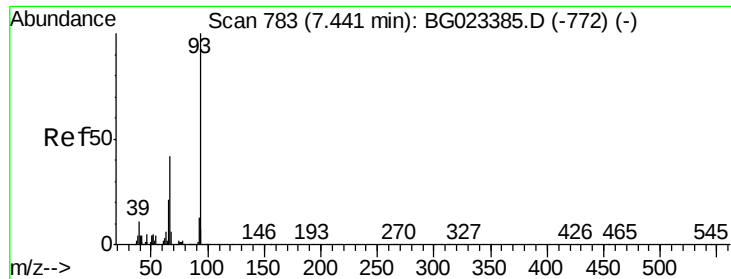


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#6

Aniline

Concen: 3.37 ng

RT: 7.53 min Scan# 799

Delta R.T. 0.09 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

Instrument :

BNA_G

ClientSampleId :

9524DL

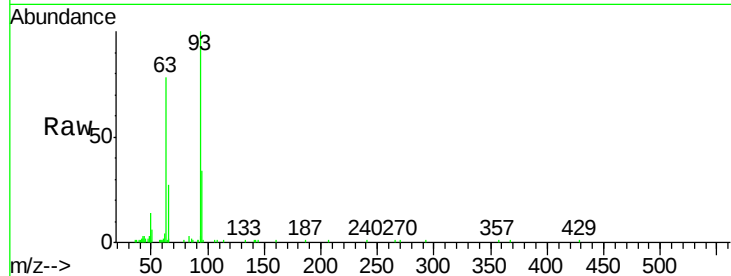
Tgt Ion: 93 Resp: 47379

Ion Ratio Lower Upper

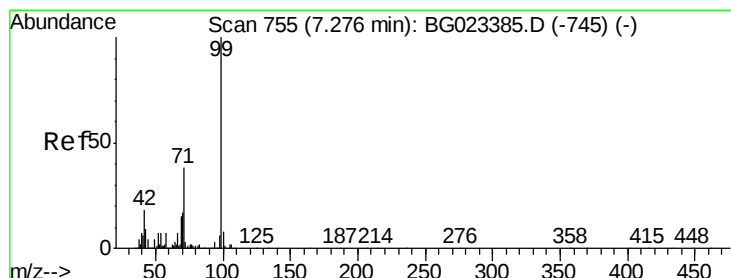
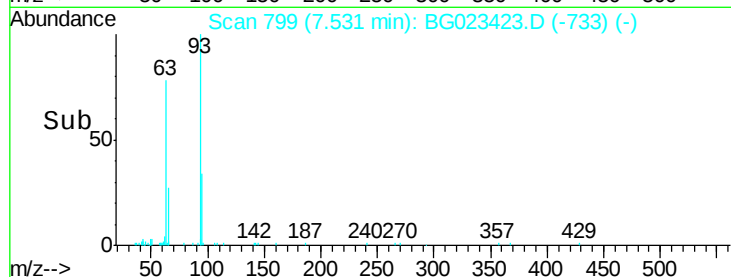
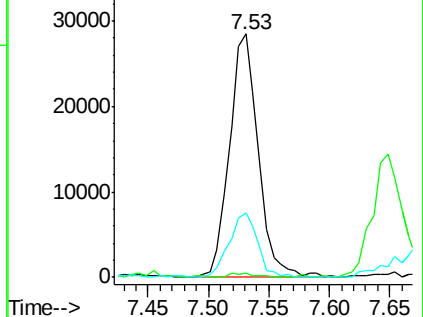
93 100

66 1.6 37.5 56.3#

65 26.5 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: 11.60 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

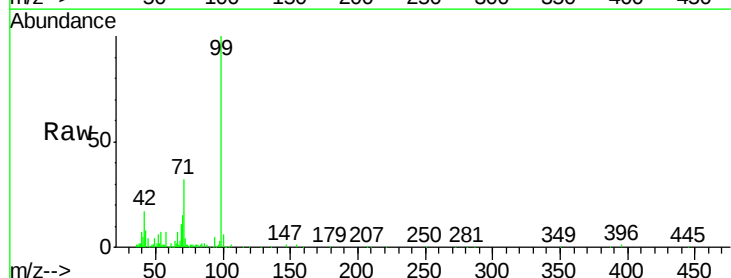
Tgt Ion: 99 Resp: 112724

Ion Ratio Lower Upper

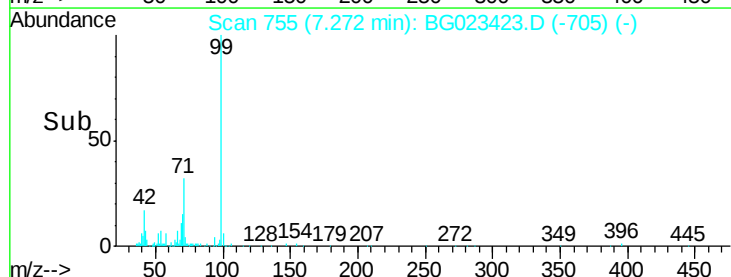
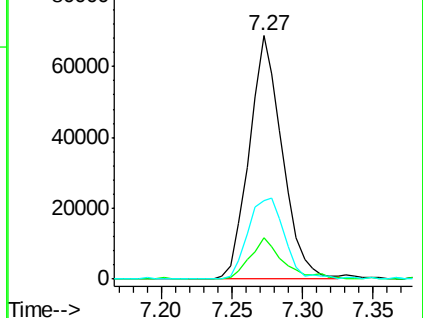
99 100

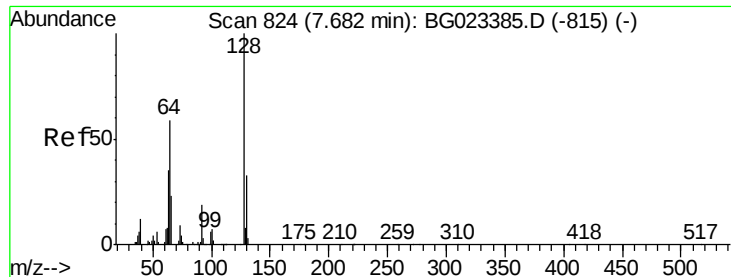
42 17.1 17.8 26.6#

71 32.1 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: 3.66 ng

RT: 7.68 min Scan# 824

Delta R.T. -0.00 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

Instrument :

BNA_G

ClientSampleId :

9524DL

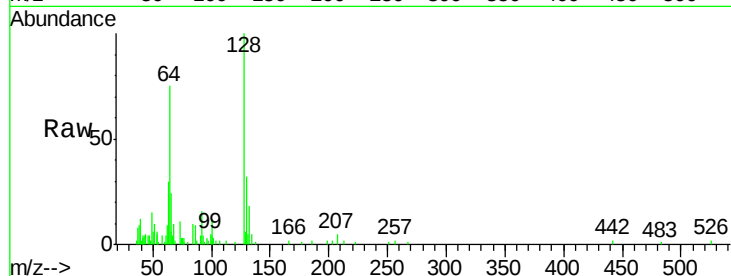
Tgt Ion:128 Resp: 26256

Ion Ratio Lower Upper

128 100

130 31.6 12.9 52.9

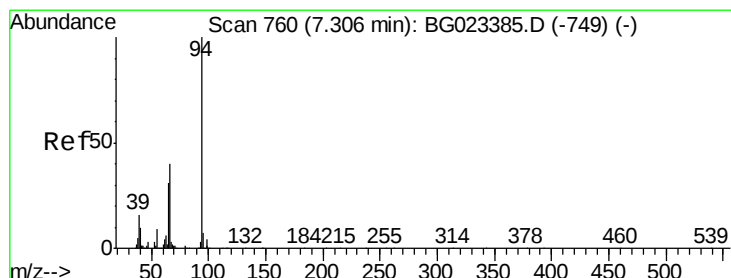
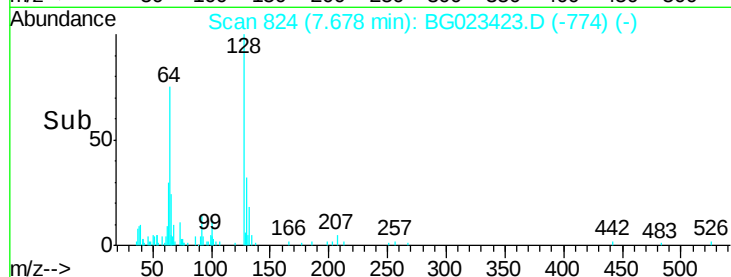
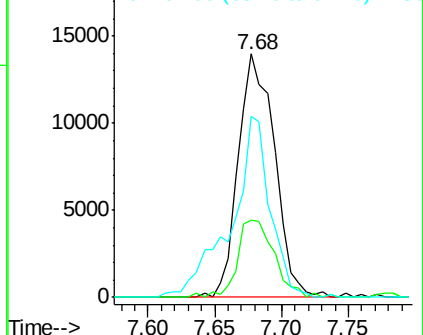
64 74.5 42.0 82.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC



#10

Phenol

Concen: 13.92 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

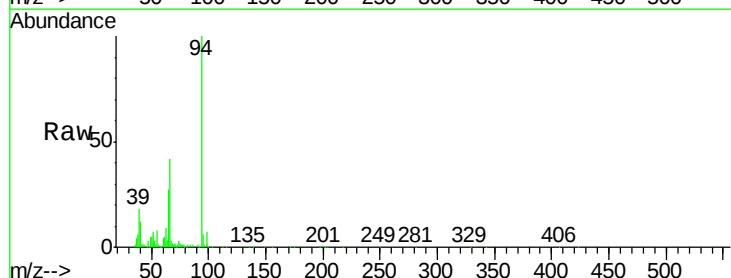
Tgt Ion: 94 Resp: 144711

Ion Ratio Lower Upper

94 100

65 27.2 18.1 58.1

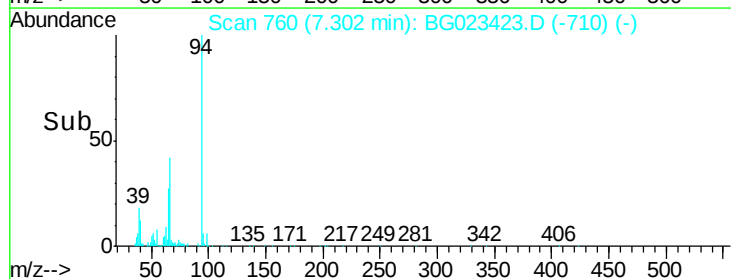
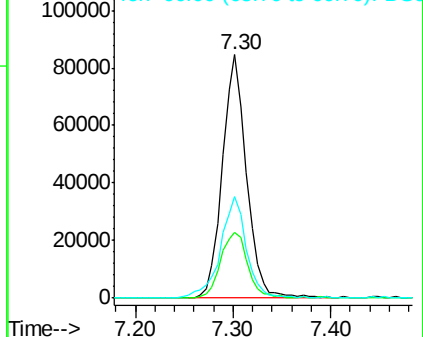
66 41.5 42.1 82.1#

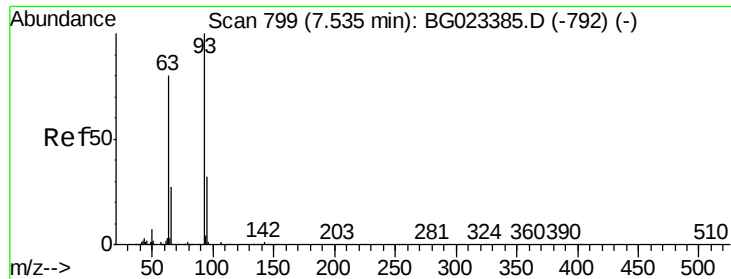


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

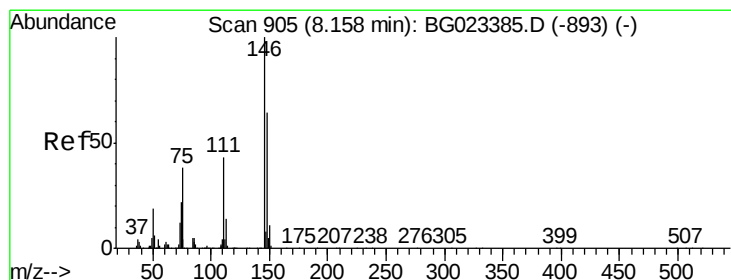
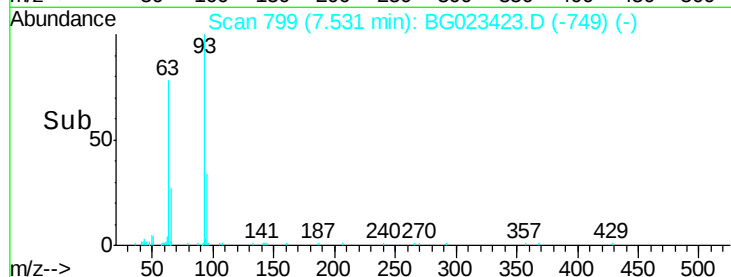
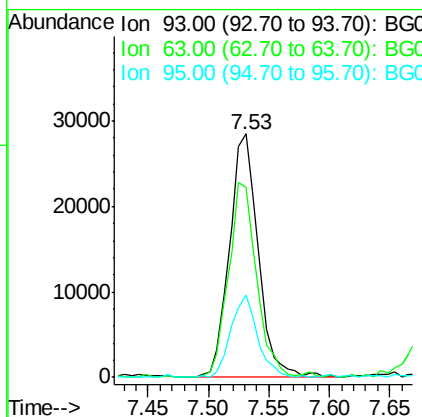
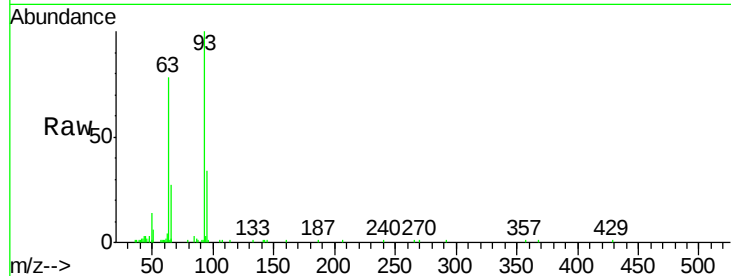




#11
bis(2-Chloroethyl)ether
Concen: 5.71 ng
RT: 7.53 min Scan# 799
Delta R.T. -0.00 min
Lab File: BG023423.D
Acq: 3 Aug 2016 12:59

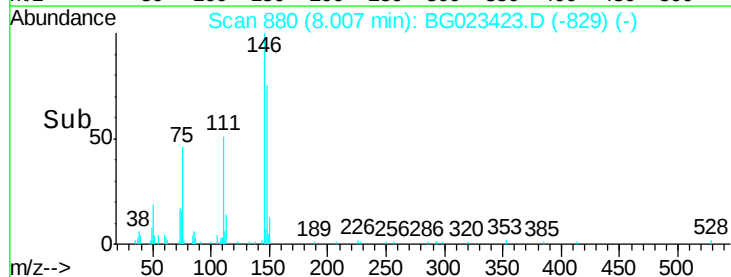
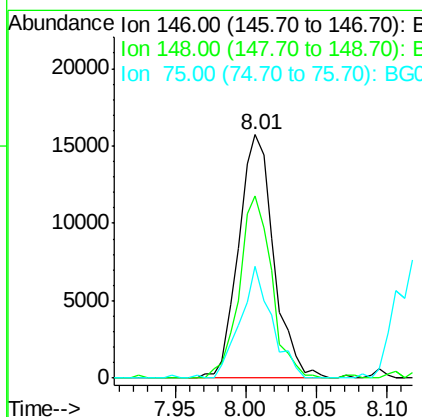
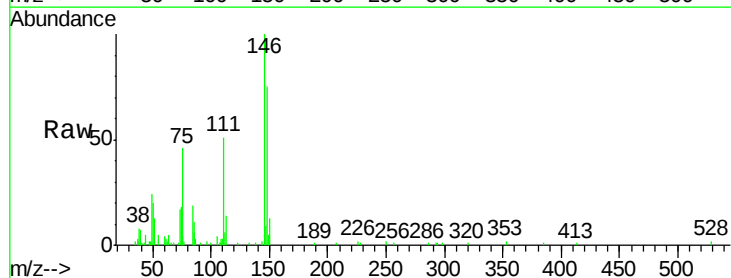
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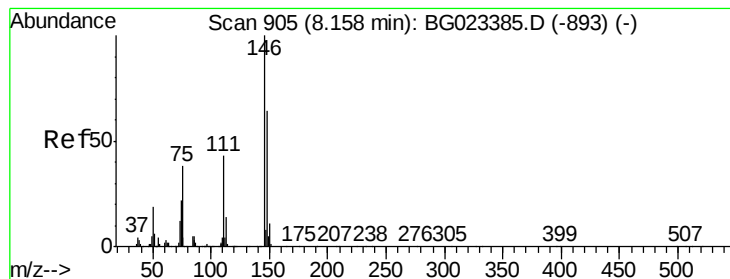
Tgt Ion: 93 Resp: 47379
Ion Ratio Lower Upper
93 100
63 77.9 55.0 95.0
95 34.1 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 3.34 ng
RT: 8.01 min Scan# 880
Delta R.T. 0.00 min
Lab File: BG023423.D
Acq: 3 Aug 2016 12:59

Tgt Ion: 146 Resp: 27373
Ion Ratio Lower Upper
146 100
148 75.0 50.3 75.5
75 46.2 37.0 55.6





#13

1,4-Dichlorobenzene

Concen: 3.26 ng

RT: 8.01 min Scan# 880

Delta R.T. -0.15 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

Instrument :

BNA_G

ClientSampleId :

9524DL

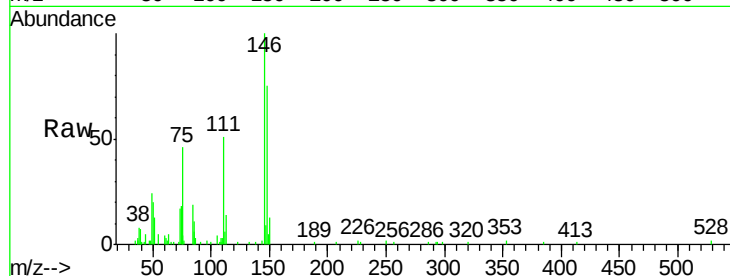
Tgt Ion:146 Resp: 27373

Ion Ratio Lower Upper

146 100

148 75.0 54.5 81.7

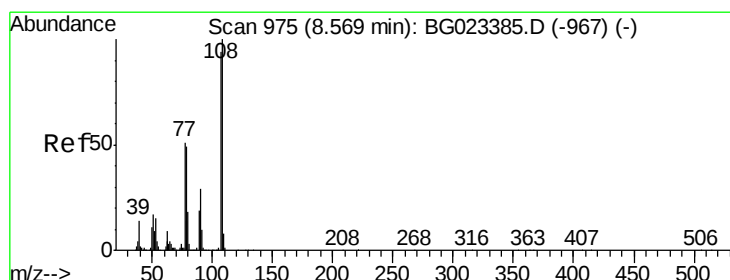
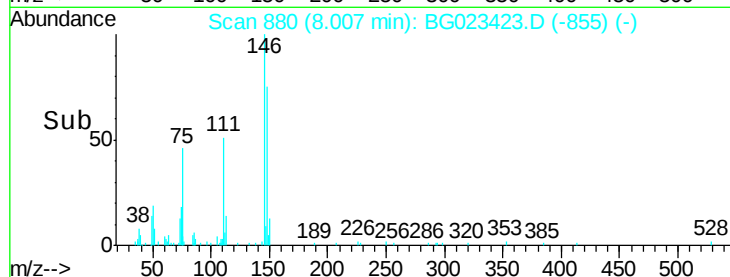
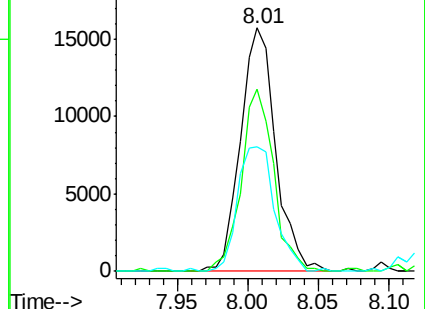
111 51.0 37.8 56.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 10.16 ng

RT: 8.56 min Scan# 975

Delta R.T. -0.00 min

Lab File: BG023423.D

Acq: 3 Aug 2016 12:59

Tgt Ion:107 Resp: 70848

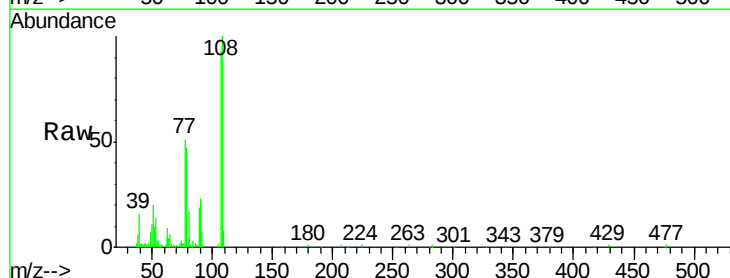
Ion Ratio Lower Upper

107 100

108 107.5 92.0 138.0

77 54.4 55.8 83.6#

79 50.2 55.0 82.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

