

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080316\
 Data File : BG023422.D
 Acq On : 3 Aug 2016 12:19
 Operator : UM/SJ
 Sample : H4145-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 9524

Quant Time: Aug 04 02:29:48 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	8.13	152	100519	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	464885	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	347164	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	873778	20.00	ng	0.00
75) Chrysene-d12	21.87	240	870484	20.00	ng	0.00
86) Perylene-d12	25.25	264	868222	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.67	112	340145	56.96	ng	0.00
7) Phenol-d6	7.28	99	550916	59.23	ng	0.00
23) Nitrobenzene-d5	9.30	82	383854	41.05	ng	0.00
41) 2,4,6-Tribromophenol	16.28	330	510138	100.46	ng	0.00
44) 2-Fluorobiphenyl	13.40	172	1112939	54.07	ng	0.00
78) Terphenyl-d14	20.15	244	2222034	78.39	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.53	93	219100	16.30	ng	# 50
8) 2-Chlorophenol	7.69	128	130139	18.97	ng	97
9) Benzaldehyde	7.26	77	3856	Below Cal		# 70
10) Phenol	7.31	94	684366	68.78	ng	85
11) bis(2-Chloroethyl)ether	7.53	93	219100	27.60	ng	94
12) 1,3-Dichlorobenzene	8.01	146	134039	17.06	ng	92
13) 1,4-Dichlorobenzene	8.01	146	134039	16.67	ng	90
17) 2-Methylphenol	8.57	107	358885	53.80	ng	# 87
19) n-Nitroso-di-n-propylamine	8.93	70	786280	98.28	ng	98
20) 3+4-Methylphenols	8.90	107	571044	60.72	ng	84
25) Isophorone	9.87	82	1717952	88.20	ng	# 94
26) 2-Nitrophenol	10.06	139	301551	69.00	ng	# 83
27) 2,4-Dimethylphenol	10.06	122	20909	2.81	ng	# 1
29) 2,4-Dichlorophenol	10.60	162	752247	100.53	ng	99
30) 1,2,4-Trichlorobenzene	10.82	180	800391	99.19	ng	98
31) Naphthalene	11.01	128	1055369	44.58	ng	99
32) Benzoic acid	10.06	122	20909	9.09	ng	# 1
33) 4-Chloroaniline	11.01	127	147535	13.04	ng	# 31
34) Hexachlorobutadiene	11.29	225	374827	70.63	ng	93
36) 4-Chloro-3-methylphenol	12.23	107	330176	33.59	ng	95
37) 2-Methylnaphthalene	12.61	142	975857	54.22	ng	93
42) 2,4,6-Trichlorophenol	13.29	196	688444	91.80	ng	98
43) 2,4,5-Trichlorophenol	13.29	196	688444	89.17	ng	95
46) 2-Chloronaphthalene	13.66	162	487480	23.74	ng	98
48) Acenaphthylene	14.51	152	1173920	36.17	ng	99
49) Dimethylphthalate	14.23	163	269140	10.10	ng	99
50) 2,6-Dinitrotoluene	14.36	165	613501	97.26	ng	87
54) Dibenzofuran	15.19	168	4150305	139.04	ng	# 72
55) 4-Nitrophenol	15.01	139	341365	61.10	ng	# 80
56) 2,4-Dinitrotoluene	15.15	165	368694	41.65	ng	92
57) Fluorene	15.84	166	2694155	103.43	ng	# 98
59) Diethylphthalate	15.60	149	3600894	133.18	ng	# 72
60) 4-Chlorophenyl-phenylether	15.83	204	2092590	151.81	ng	91
61) 4-Nitroaniline	15.84	138	54032	7.13	ng	# 1

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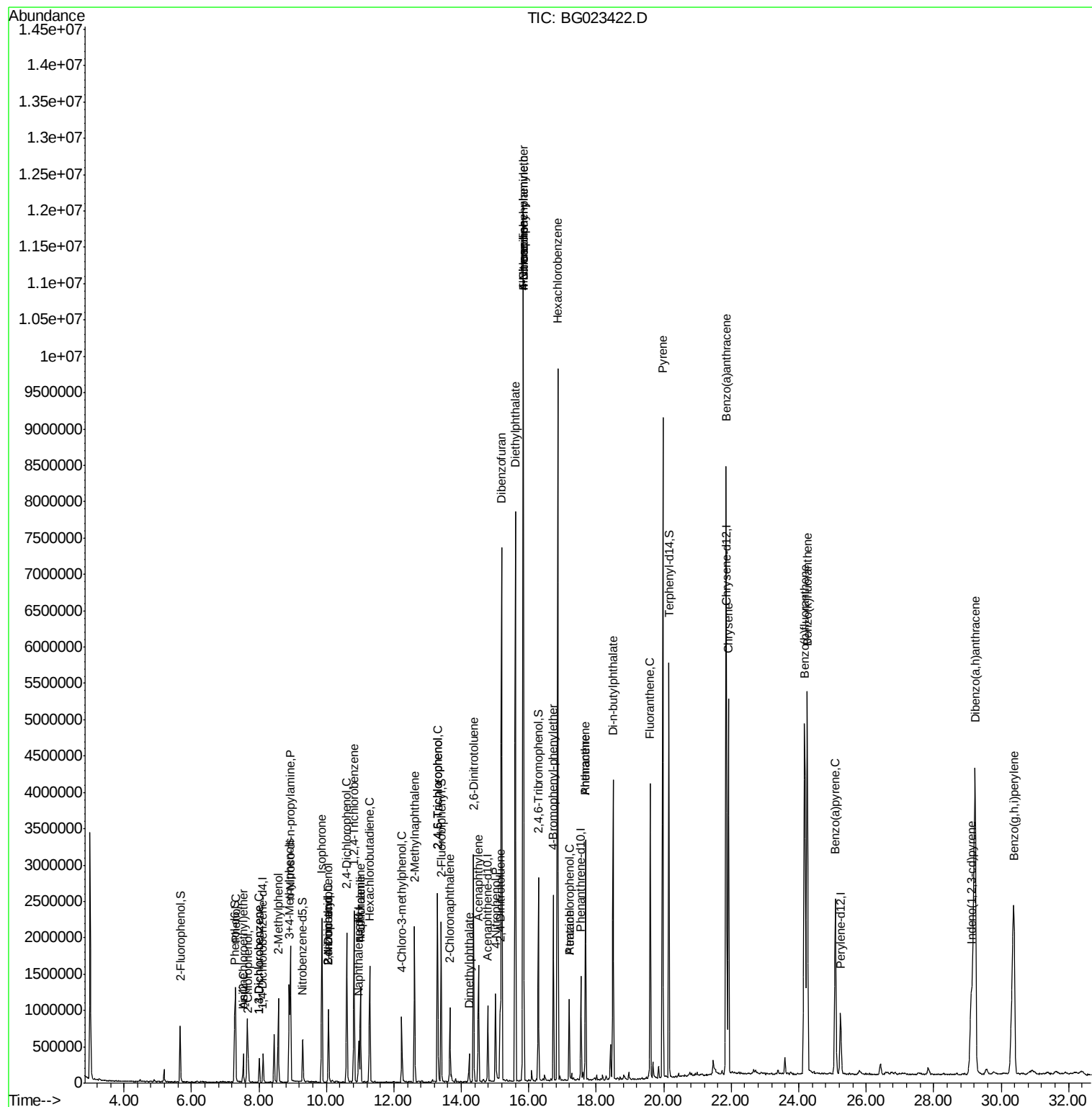
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) n-Nitrosodiphenylamine	15.83	169	276214	10.78	ng	# 61
66) 4-Bromophenyl-phenylether	16.73	248	499478	49.04	ng	93
67) Hexachlorobenzene	16.86	284	2055761	184.51	ng	95
68) Atrazine	17.19	200	42636	4.33	ng	# 36
69) Pentachlorophenol	17.20	266	203706	31.36	ng	93
70) Phenanthrene	17.68	178	2086641	47.06	ng	97
71) Anthracene	17.68	178	2086641	46.79	ng	97
73) Di-n-butylphthalate	18.50	149	2788664	75.42	ng	96
74) Fluoranthene	19.60	202	2325748	58.32	ng	94
77) Pyrene	19.97	202	4635916	106.00	ng	# 59
80) Benzo(a)anthracene	21.85	228	4876581	101.49	ng	# 70
82) Chrysene	21.92	228	3071152	67.18	ng	# 88
85) Indeno(1,2,3-cd)pyrene	29.12	276	2282725	39.96	ng	# 100
87) Benzo(b)fluoranthene	24.18	252	5185422	106.15	ng	# 87
88) Benzo(k)fluoranthene	24.25	252	4823560	102.81	ng	# 83
89) Benzo(a)pyrene	25.09	252	2621234	56.42	ng	# 96
90) Dibenzo(a,h)anthracene	29.23	278	7329074	154.43	ng	# 81
91) Benzo(g,h,i)perylene	30.37	276	5187653	108.55	ng	# 91

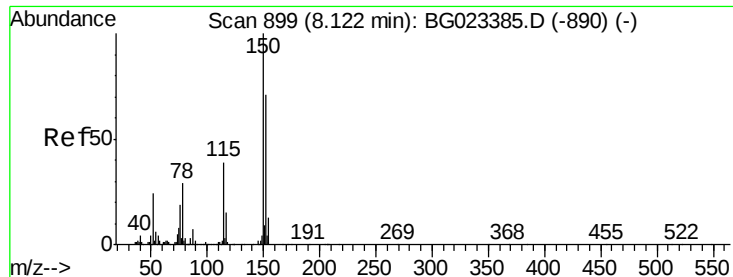
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.13 min Scan# 900

Delta R.T. 0.01 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

Instrument :

BNA_G

ClientSampleId :

9524

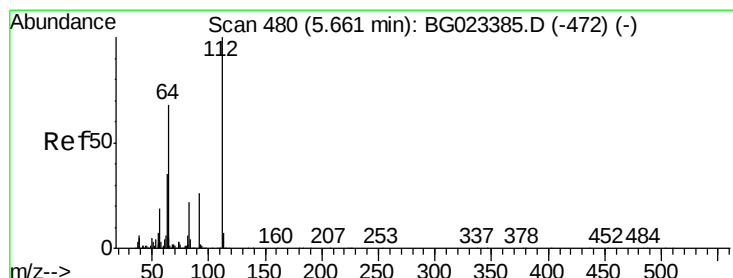
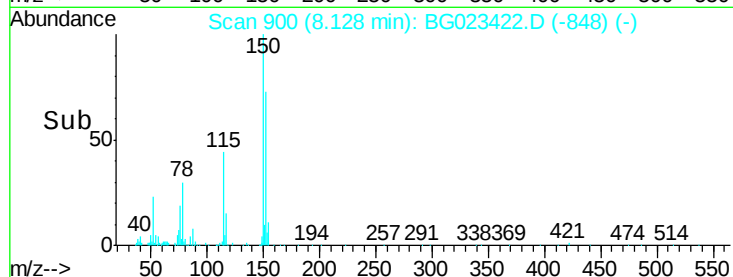
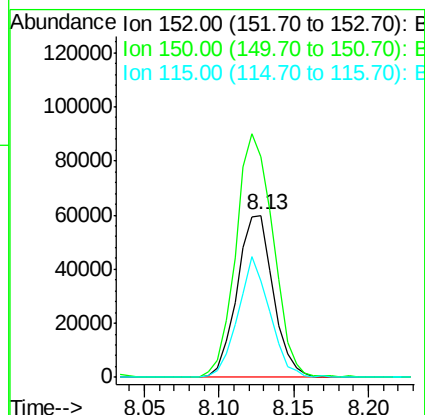
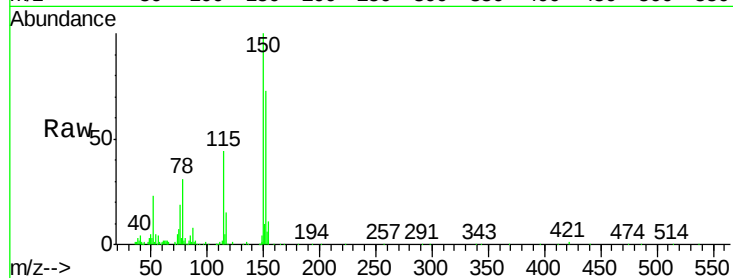
Tgt Ion:152 Resp: 100519

Ion Ratio Lower Upper

152 100

150 136.1 144.7 217.1#

115 59.5 64.0 96.0#



#5

2-Fluorophenol

Concen: 56.96 ng

RT: 5.67 min Scan# 481

Delta R.T. 0.01 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

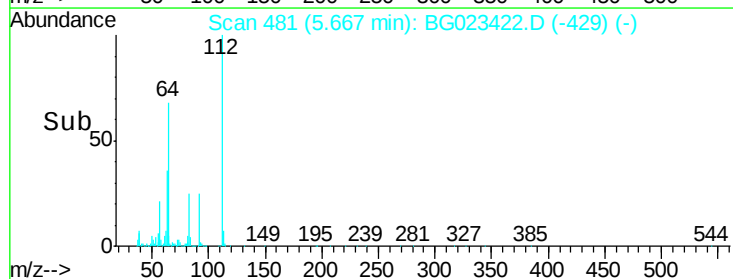
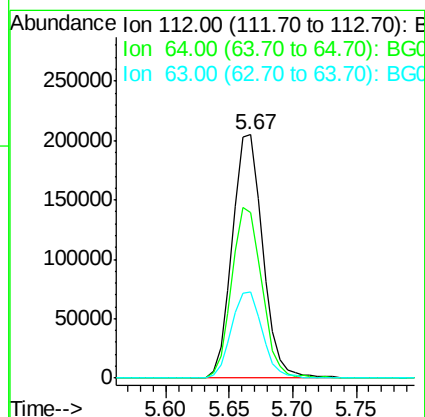
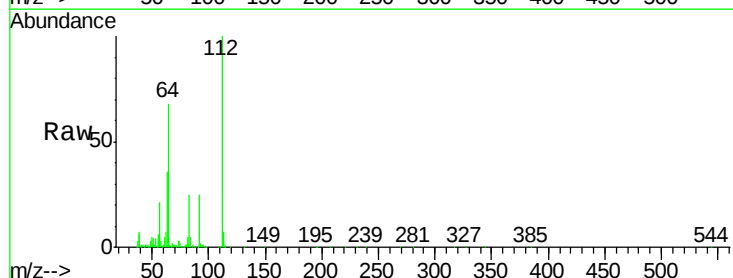
Tgt Ion:112 Resp: 340145

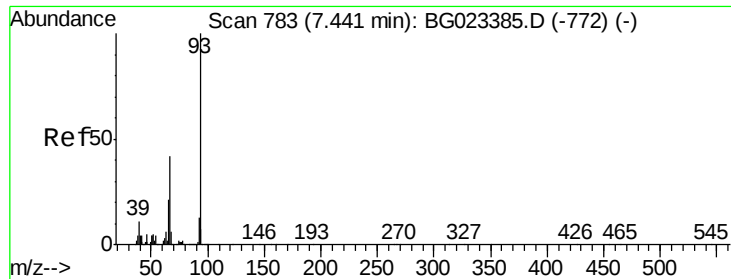
Ion Ratio Lower Upper

112 100

64 68.0 59.0 88.4

63 35.5 37.8 56.8#





#6

Aniline

Concen: 16.30 ng

RT: 7.53 min Scan# 798

Delta R.T. 0.09 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

Instrument :

BNA_G

ClientSampleId :

9524

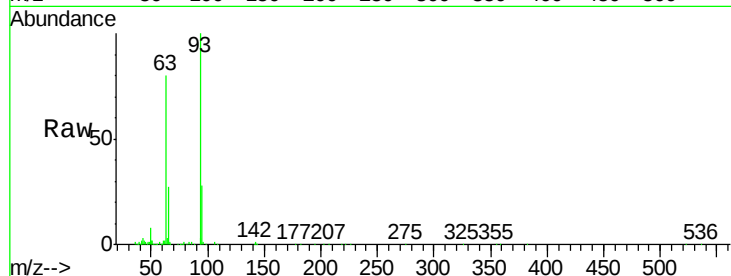
Tgt Ion: 93 Resp: 219100

Ion Ratio Lower Upper

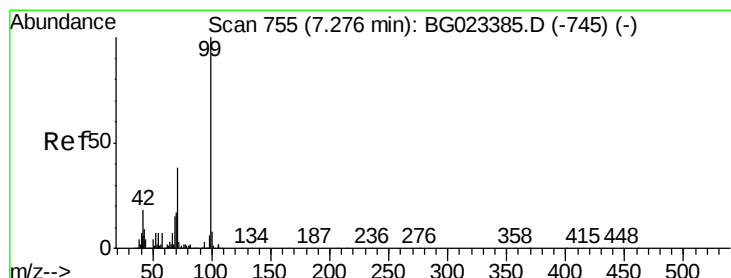
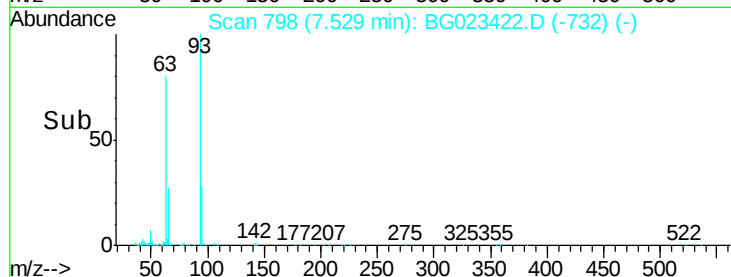
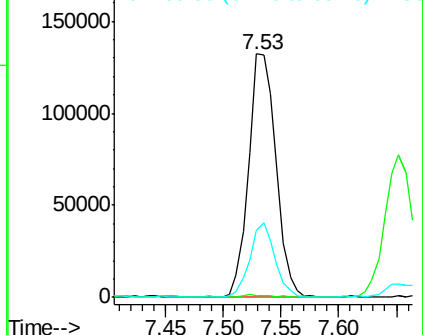
93 100

66 0.6 37.5 56.3#

65 27.4 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: 59.23 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.01 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

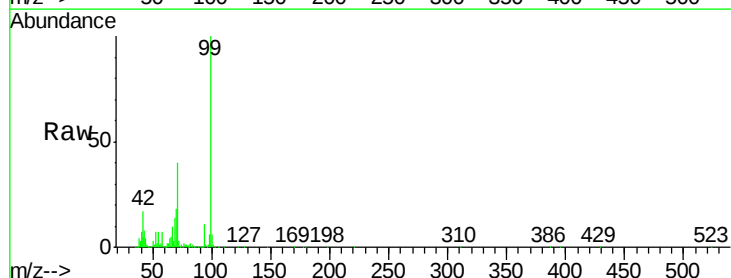
Tgt Ion: 99 Resp: 550916

Ion Ratio Lower Upper

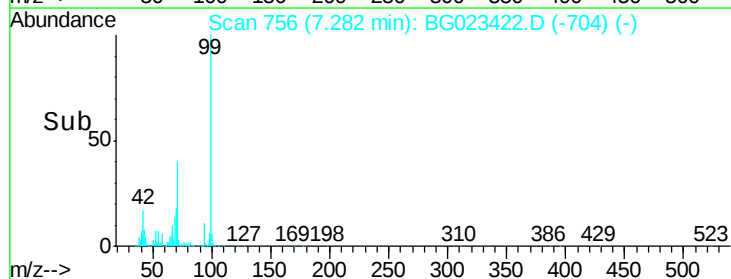
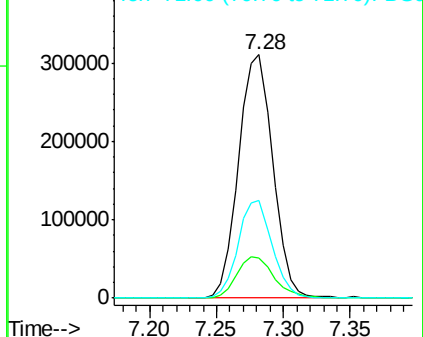
99 100

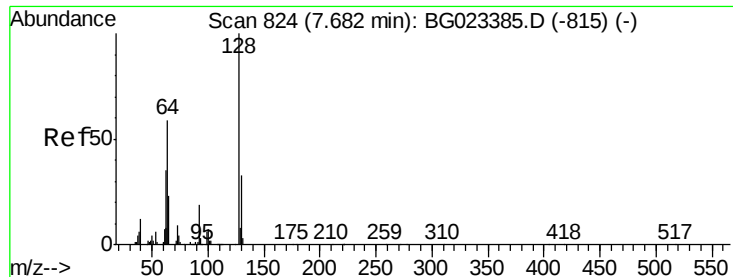
42 16.6 17.8 26.6#

71 40.0 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: 18.97 ng

RT: 7.69 min Scan# 825

Delta R.T. 0.01 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

Instrument :

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ClientSampleId :

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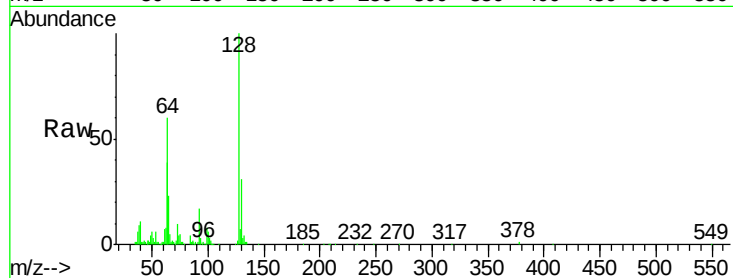
Tgt Ion:128 Resp: 130139

Ion Ratio Lower Upper

128 100

130 30.9 12.9 52.9

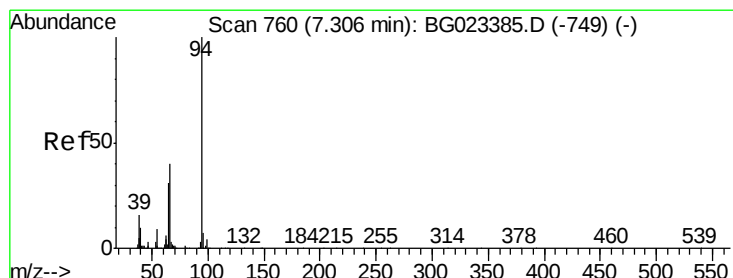
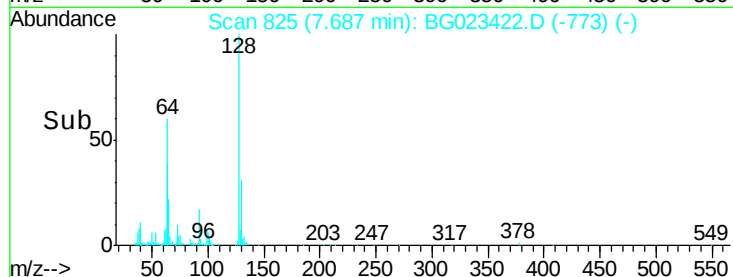
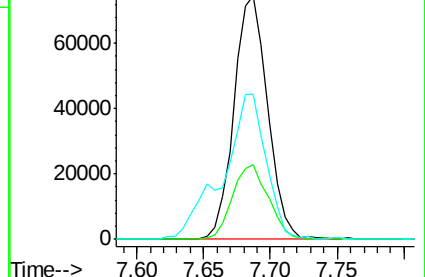
64 59.7 42.0 82.0



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: 68.78 ng

RT: 7.31 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

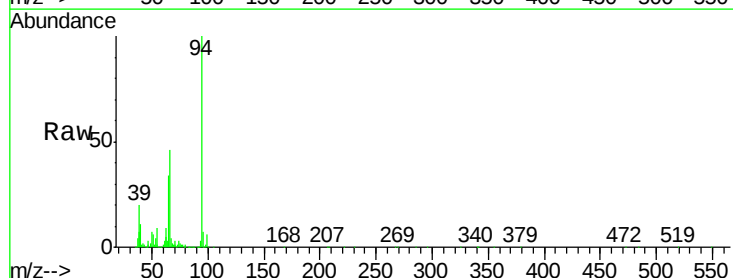
Tgt Ion: 94 Resp: 684366

Ion Ratio Lower Upper

94 100

65 34.2 18.1 58.1

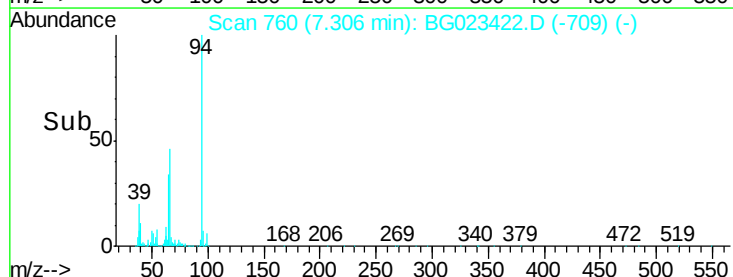
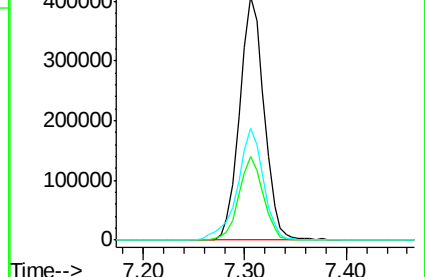
66 46.1 42.1 82.1

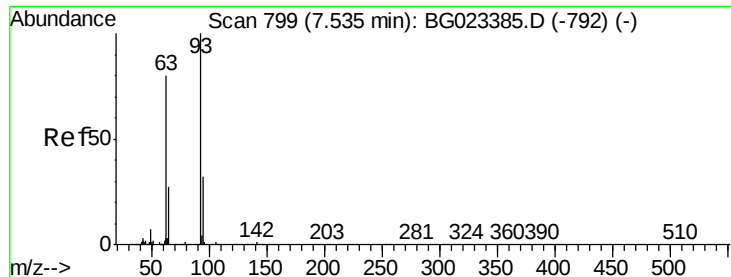


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

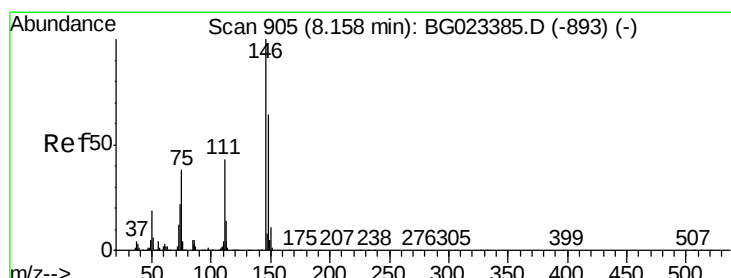
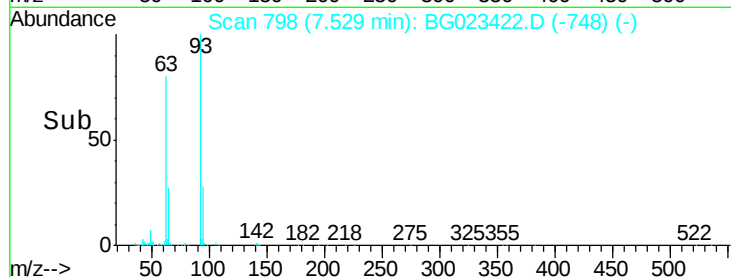
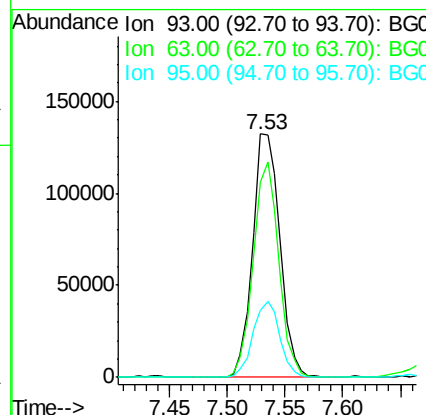
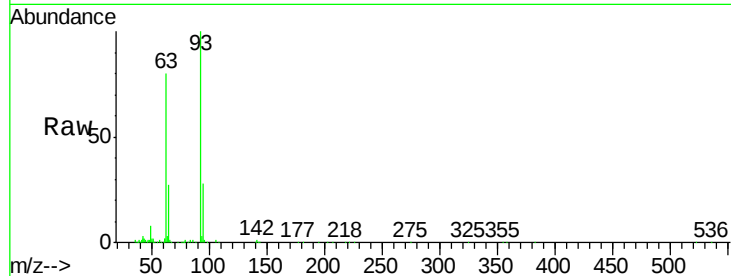




#11
 bis(2-Chloroethyl)ether
 Concen: 27.60 ng
 RT: 7.53 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BG023422.D
 Acq: 3 Aug 2016 12:19

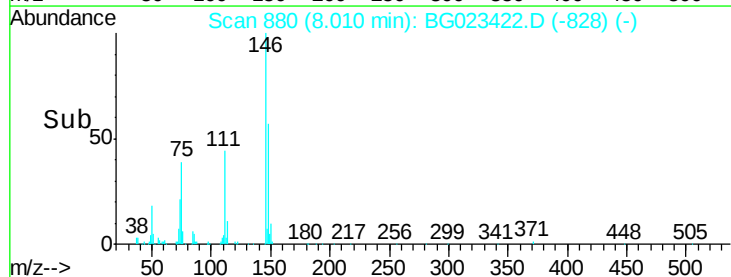
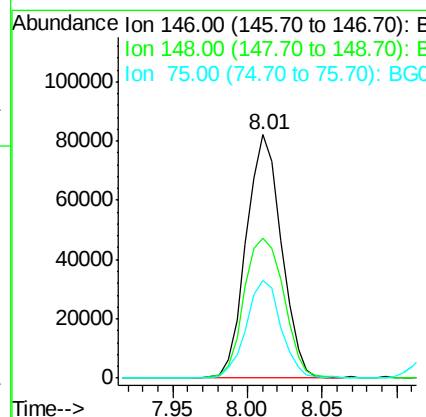
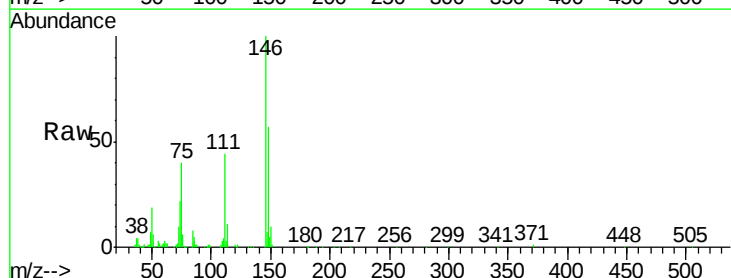
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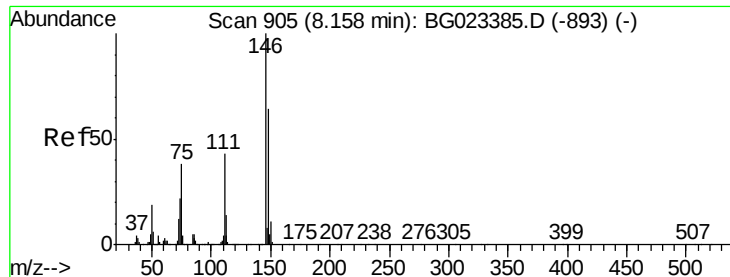
Tgt Ion:	93	Resp:	219100
Ion	Ratio	Lower	Upper
93	100		
63	80.0	55.0	95.0
95	27.7	11.0	51.0



#12
 1,3-Dichlorobenzene
 Concen: 17.06 ng
 RT: 8.01 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: BG023422.D
 Acq: 3 Aug 2016 12:19

Tgt Ion:	146	Resp:	134039
Ion	Ratio	Lower	Upper
146	100		
148	57.3	50.3	75.5
75	40.4	37.0	55.6

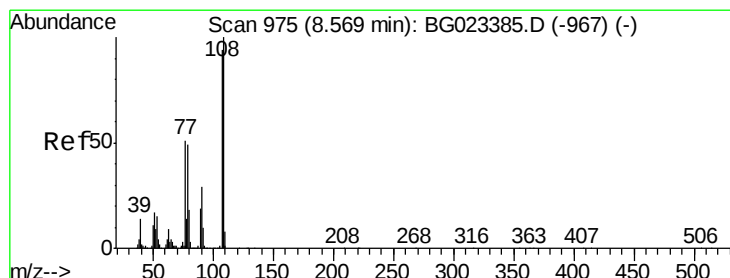
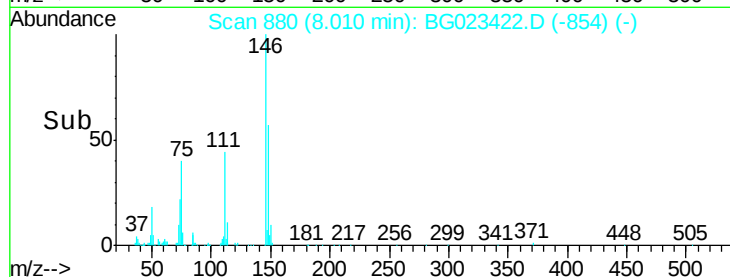
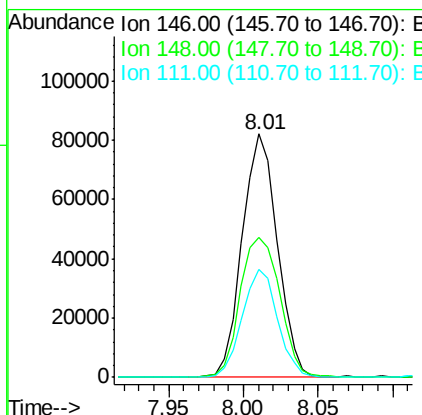
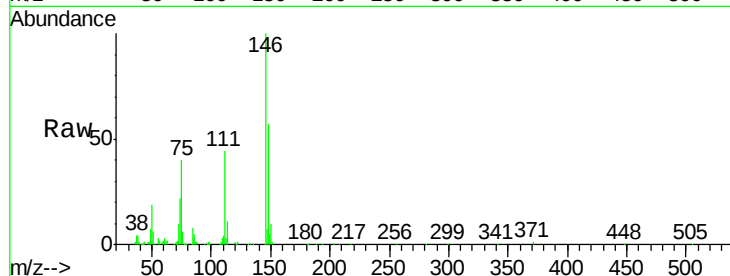




#13
 1,4-Dichlorobenzene
 Concen: 16.67 ng
 RT: 8.01 min Scan# 880
 Delta R.T. -0.15 min
 Lab File: BG023422.D
 Acq: 3 Aug 2016 12:19

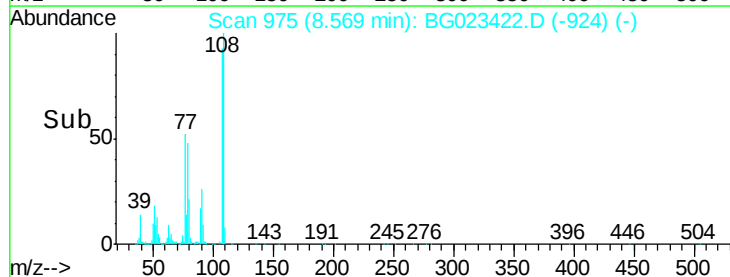
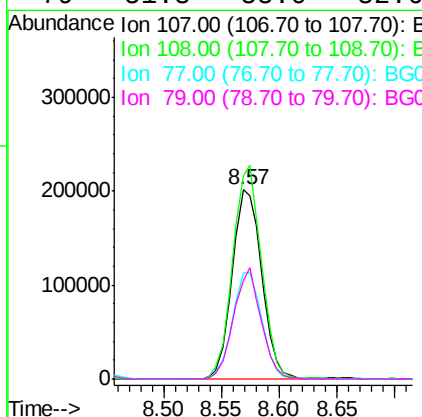
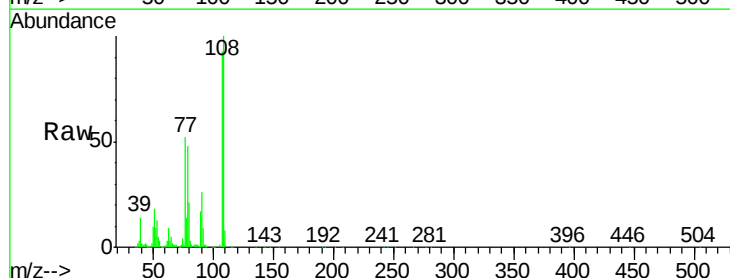
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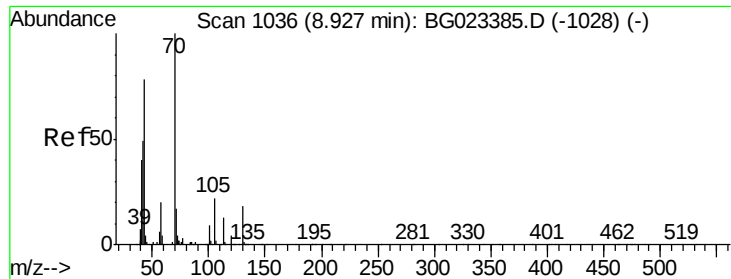
Tgt Ion:146 Resp: 134039
 Ion Ratio Lower Upper
 146 100
 148 57.3 54.5 81.7
 111 44.4 37.8 56.8



#17
 2-Methylphenol
 Concen: 53.80 ng
 RT: 8.57 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BG023422.D
 Acq: 3 Aug 2016 12:19

Tgt Ion:107 Resp: 358885
 Ion Ratio Lower Upper
 107 100
 108 107.7 92.0 138.0
 77 55.8 55.8 83.6
 79 51.8 55.0 82.6#

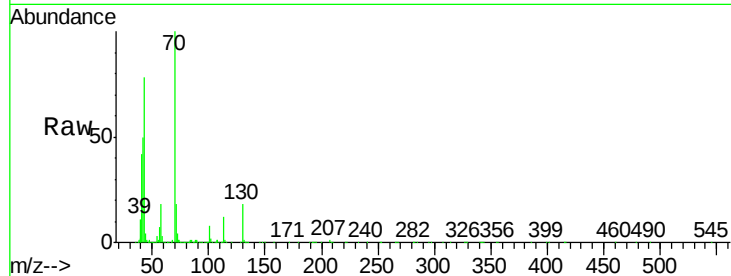




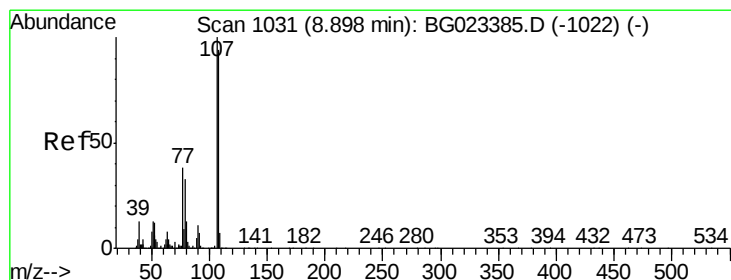
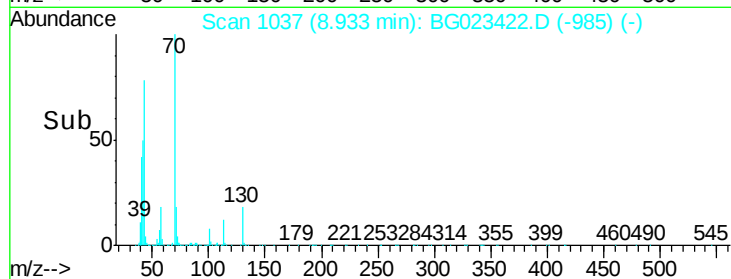
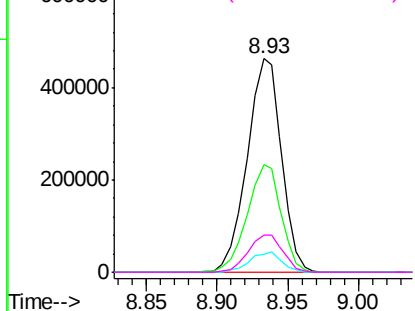
#19
n-Nitroso-di-n-propylamine
Concen: 98.28 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG023422.D
Acq: 3 Aug 2016 12:19

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:	70	Resp:	786280
Ion	Ratio	Lower	Upper
70	100		
42	50.3	42.1	63.1
101	8.4	7.2	10.8
130	17.5	14.2	21.2

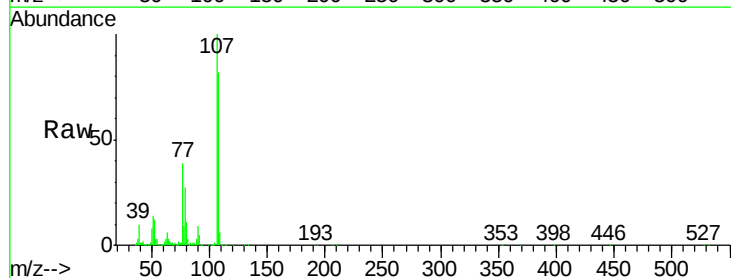


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

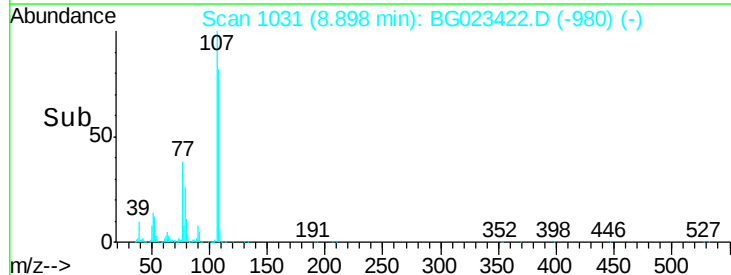
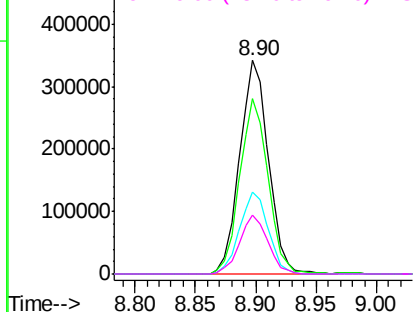


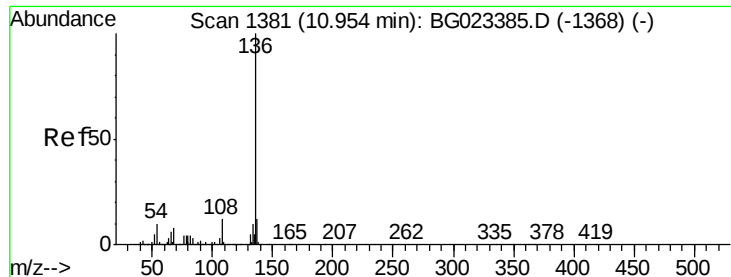
#20
3+4-Methylphenols
Concen: 60.72 ng
RT: 8.90 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG023422.D
Acq: 3 Aug 2016 12:19

Tgt Ion:	107	Resp:	571044
Ion	Ratio	Lower	Upper
107	100		
108	82.4	72.5	112.5
77	38.6	30.1	70.1
79	27.5	24.2	64.2



Abundance Ion 107.00 (106.70 to 107.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

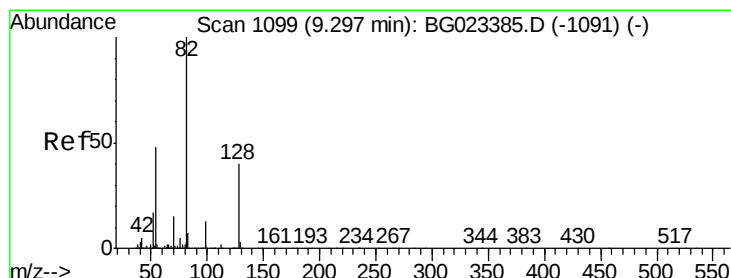
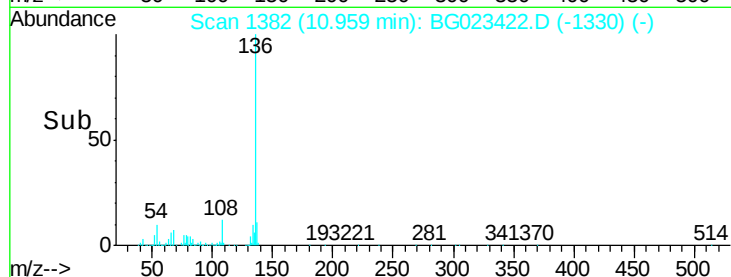
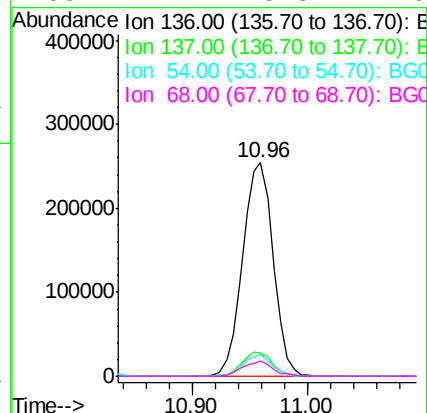
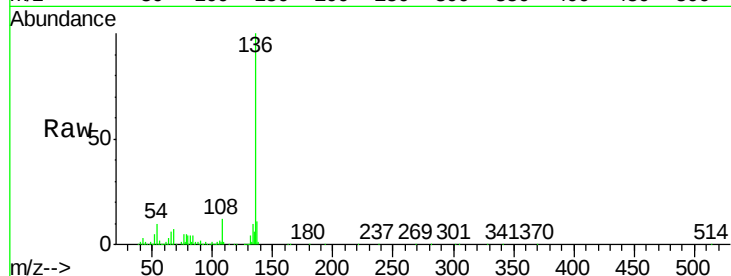




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BG023422.D
Acq: 3 Aug 2016 12:19

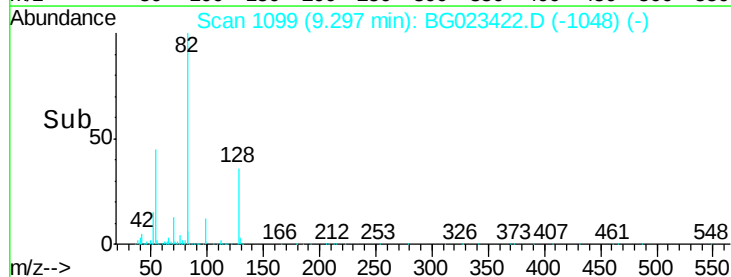
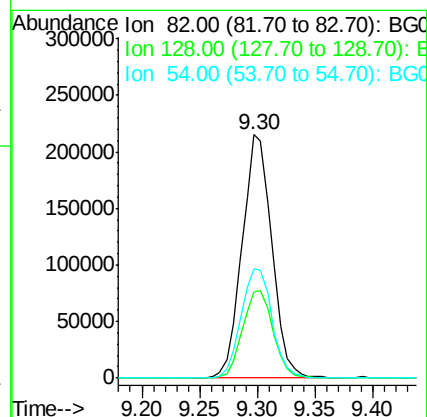
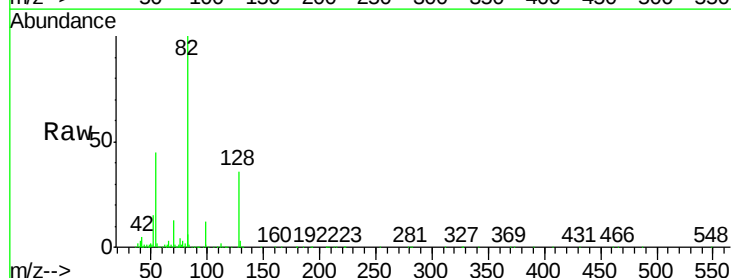
Instrument :
BNA_G
ClientSampleId :
9524

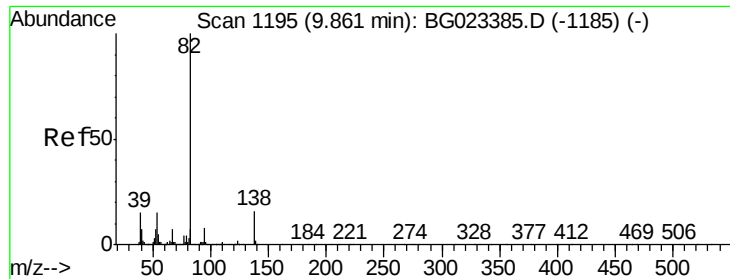
Tgt Ion:	136	Resp:	464885
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	10.1	7.3	10.9
68	7.4	5.3	7.9



#23
Nitrobenzene-d5
Concen: 41.05 ng
RT: 9.30 min Scan# 1099
Delta R.T. -0.00 min
Lab File: BG023422.D
Acq: 3 Aug 2016 12:19

Tgt Ion:	82	Resp:	383854
Ion	Ratio	Lower	Upper
82	100		
128	35.5	24.4	36.6
54	44.6	41.4	62.0





#25

Isophorone

Concen: 88.20 ng

RT: 9.87 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

Instrument :

BNA_G

ClientSampleId :

9524

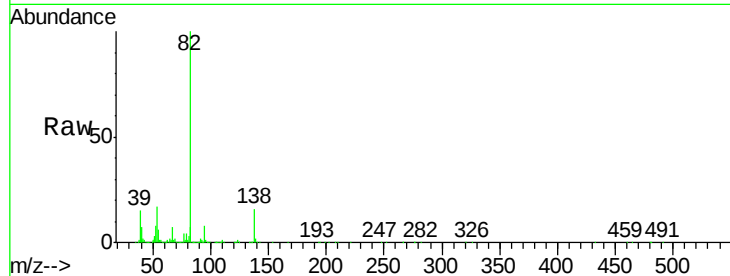
Tgt Ion: 82 Resp: 1717952

Ion Ratio Lower Upper

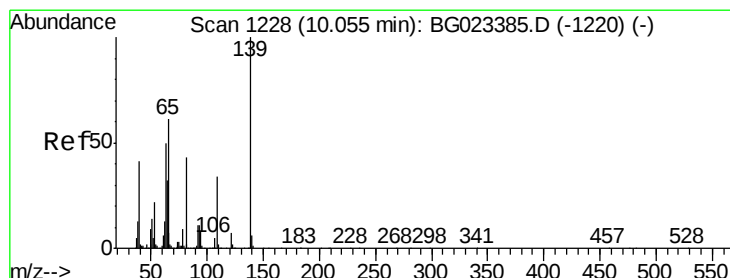
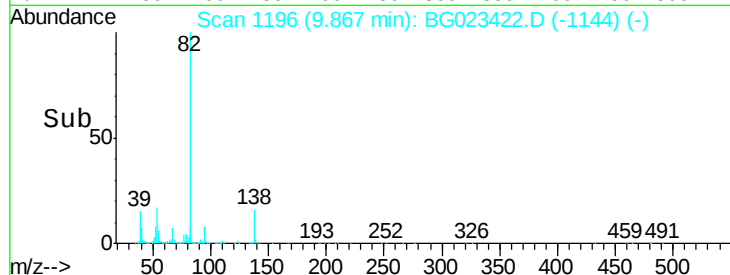
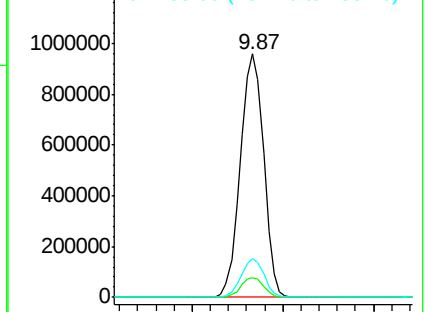
82 100

95 8.0 8.2 12.2#

138 16.1 10.7 16.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 69.00 ng

RT: 10.06 min Scan# 1229

Delta R.T. 0.01 min

Lab File: BG023422.D

Acq: 3 Aug 2016 12:19

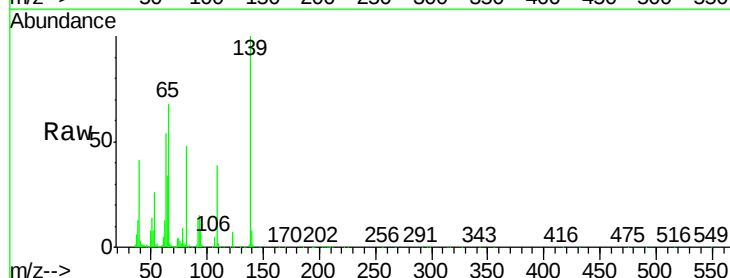
Tgt Ion: 139 Resp: 301551

Ion Ratio Lower Upper

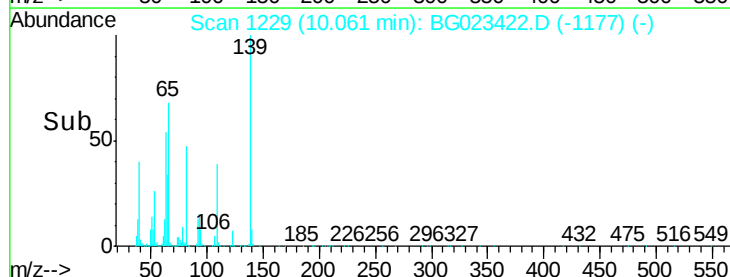
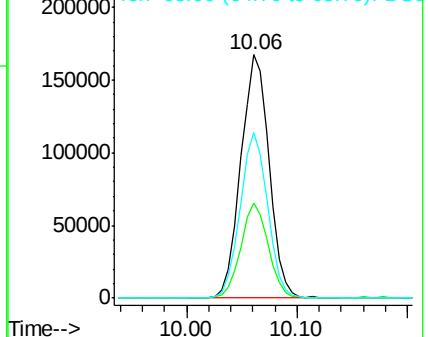
139 100

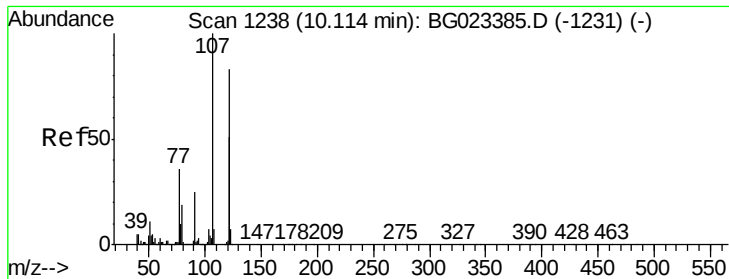
109 38.9 43.5 65.3#

65 67.9 64.3 96.5



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

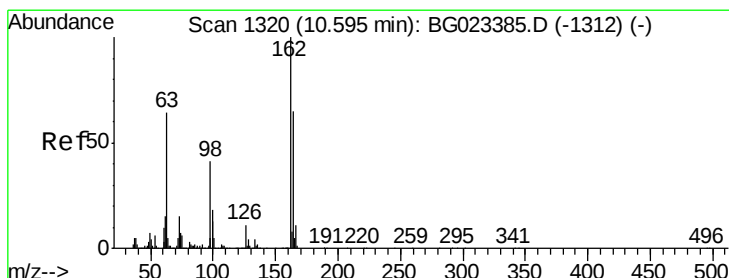
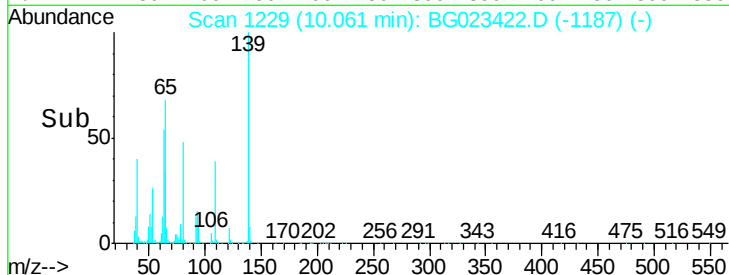
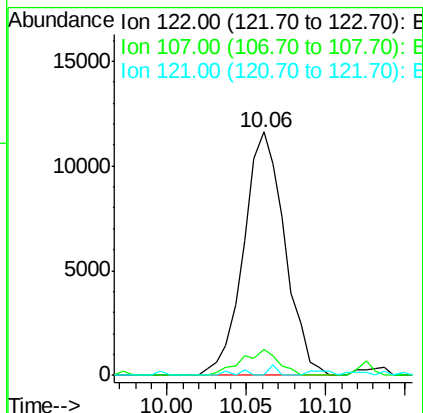
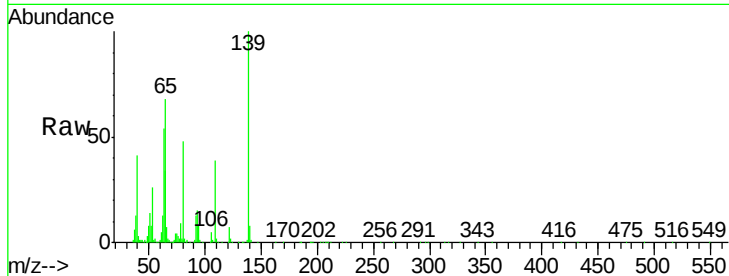




#27
 2,4-Dimethylphenol
 Concen: 2.81 ng
 RT: 10.06 min Scan# 1229
 Delta R.T. -0.05 min
 Lab File: BG023422.D
 Acq: 3 Aug 2016 12:19

Instrument :
 BNA_G
 ClientSampleId :
 9524

Tgt Ion:122 Resp: 20909
 Ion Ratio Lower Upper
 122 100
 107 10.7 117.0 175.4#
 121 0.0 50.1 75.1#



#29
 2,4-Dichlorophenol
 Concen: 100.53 ng
 RT: 10.60 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: BG023422.D
 Acq: 3 Aug 2016 12:19

Tgt Ion:162 Resp: 752247
 Ion Ratio Lower Upper
 162 100
 164 65.6 44.3 84.3
 98 39.4 19.5 59.5

