

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
 Data File : BG016435.D
 Acq On : 15 Apr 2015 22:13
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Apr 16 03:27:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 14:00:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	93231	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	449148	20.00	ng	-0.01
38) Acenaphthene-d10	14.31	164	277932	20.00	ng	0.00
63) Phenanthrene-d10	17.05	188	529419	20.00	ng	-0.01
75) Chrysene-d12	21.23	240	426247	20.00	ng	0.00
86) Perylene-d12	23.47	264	411173	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	465476	78.80	ng	0.00
7) Phenol-d6	6.86	99	696392	78.53	ng	0.00
23) Nitrobenzene-d5	8.82	82	568353	73.30	ng	-0.01
41) 2,4,6-Tribromophenol	15.80	330	163100	86.77	ng	0.00
44) 2-Fluorobiphenyl	12.93	172	1254087	76.82	ng	0.00
78) Terphenyl-d14	19.68	244	1375110	75.50	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.14	88	88289	32.88	ng	98
3) Pyridine	3.54	79	264285	32.93	ng	97
4) n-Nitrosodimethylamine	3.45	42	80308	33.66	ng	96
6) Aniline	7.00	93	456115	36.01	ng	98
8) 2-Chlorophenol	7.24	128	290315	40.92	ng	96
9) Benzaldehyde	6.81	77	164025	31.58	ng	94
10) Phenol	6.89	94	368647	38.85	ng	99
11) bis(2-Chloroethyl)ether	7.10	93	261420	34.55	ng	96
12) 1,3-Dichlorobenzene	7.56	146	288130	40.22	ng	96
13) 1,4-Dichlorobenzene	7.70	146	294467	39.62	ng	97
14) 1,2-Dichlorobenzene	8.02	146	283262	39.86	ng	97
15) Benzyl Alcohol	7.91	79	230744	37.33	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.21	45	272638	32.00	ng	97
17) 2-Methylphenol	8.13	107	254440	39.99	ng	98
18) Hexachloroethane	8.74	117	107810	37.92	ng	96
19) n-Nitroso-di-n-propylamine	8.48	70	211821	33.34	ng	95
20) 3+4-Methylphenols	8.45	107	357301	40.54	ng	99
22) Acetophenone	8.49	105	380337	36.52	ng	# 97
24) Nitrobenzene	8.87	77	298324	35.98	ng	89
25) Isophorone	9.39	82	584650	33.96	ng	96
26) 2-Nitrophenol	9.58	139	179153	46.34	ng	96
27) 2,4-Dimethylphenol	9.65	122	304918	42.34	ng	100
28) bis(2-Chloroethoxy)methane	9.88	93	349132	35.52	ng	99
29) 2,4-Dichlorophenol	10.12	162	270948	47.55	ng	97
30) 1,2,4-Trichlorobenzene	10.32	180	255432	42.93	ng	98
31) Naphthalene	10.51	128	924192	39.49	ng	100
32) Benzoic acid	9.81	122	235343	49.71	ng	96
33) 4-Chloroaniline	10.62	127	448280	40.82	ng	97
34) Hexachlorobutadiene	10.79	225	113031	43.25	ng	98
35) Caprolactam	11.41	113	141722	39.50	ng	91
36) 4-Chloro-3-methylphenol	11.77	107	327007	43.44	ng	93
37) 2-Methylnaphthalene	12.12	142	687555	40.84	ng	100
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	252577	41.28	ng	97
40) Hexachlorocyclopentadiene	12.47	237	99141	35.40	ng	99

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

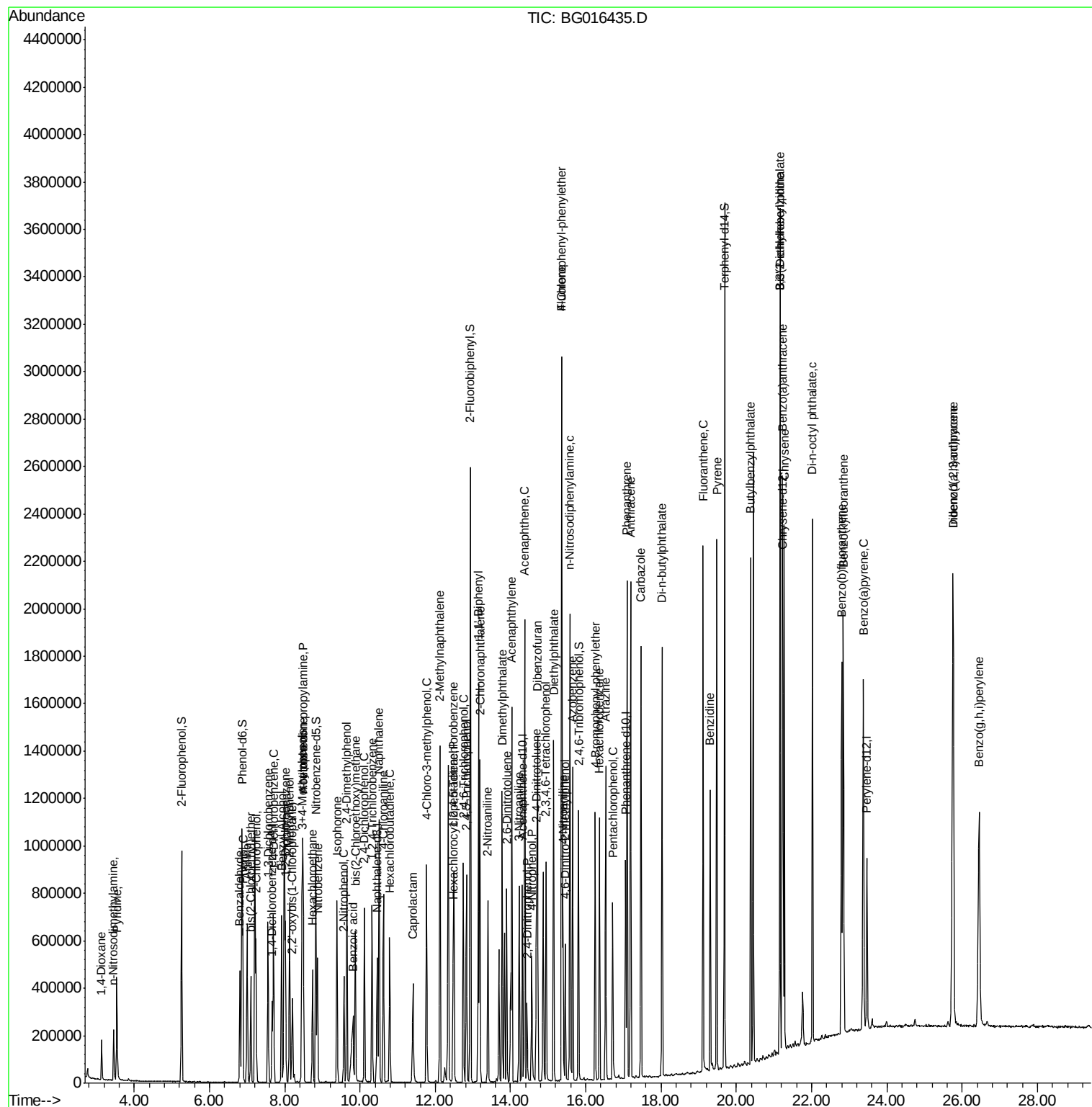
42) 2,4,6-Trichlorophenol	12.74	196	213210	46.89	ng	97
43) 2,4,5-Trichlorophenol	12.83	196	225543	46.42	ng	95
45) 1,1'-Biphenyl	13.14	154	826519	38.77	ng	99
46) 2-Chloronaphthalene	13.18	162	645389	39.74	ng	99
47) 2-Nitroaniline	13.40	65	197866	37.80	ng	92
48) Acenaphthylene	14.03	152	1114341	38.59	ng	97
49) Dimethylphthalate	13.78	163	749081	36.77	ng	99
50) 2,6-Dinitrotoluene	13.90	165	197294	40.05	ng	89
51) Acenaphthene	14.38	154	671880	38.93	ng	98
52) 3-Nitroaniline	14.23	138	245656	39.05	ng	88
53) 2,4-Dinitrophenol	14.44	184	85600	35.18	ng	# 89
54) Dibenzofuran	14.71	168	928255	38.76	ng	99
55) 4-Nitrophenol	14.56	139	187344	36.03	ng	98
56) 2,4-Dinitrotoluene	14.69	165	269373	40.14	ng	88
57) Fluorene	15.36	166	816411	38.64	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.95	232	165012	44.01	ng	91
59) Diethylphthalate	15.14	149	792948	36.57	ng	98
60) 4-Chlorophenyl-phenylether	15.36	204	343042	39.69	ng	96
61) 4-Nitroaniline	15.39	138	263975	36.97	ng	98
62) Azobenzene	15.65	77	767821	33.27	ng	97
64) 4,6-Dinitro-2-methylphenol	15.45	198	139157	38.21	ng	89
65) n-Nitrosodiphenylamine	15.58	169	746943	41.73	ng	99
66) 4-Bromophenyl-phenylether	16.25	248	184830	43.72	ng	95
67) Hexachlorobenzene	16.36	284	183182	41.70	ng	97
68) Atrazine	16.53	200	205254	41.15	ng	98
69) Pentachlorophenol	16.71	266	111929	41.72	ng	98
70) Phenanthrene	17.10	178	1142837	38.38	ng	98
71) Anthracene	17.19	178	1167412	39.56	ng	99
72) Carbazole	17.46	167	1107180	37.38	ng	99
73) Di-n-butylphthalate	18.03	149	1347253	37.17	ng	99
74) Fluoranthene	19.11	202	1126712	36.71	ng	97
76) Benzidine	19.30	184	631231	34.92	ng	99
77) Pyrene	19.48	202	1142978	38.51	ng	98
79) Butylbenzylphthalate	20.38	149	618014	42.38	ng	94
80) Benzo(a)anthracene	21.22	228	988348	39.23	ng	99
81) 3,3'-Dichlorobenzidine	21.16	252	355728	42.94	ng	99
82) Chrysene	21.27	228	935035	38.45	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	844083	42.76	ng	96
84) Di-n-octyl phthalate	22.02	149	1396023	43.40	ng	98
85) Indeno(1,2,3-cd)pyrene	25.75	276	1082322	42.84	ng	97
87) Benzo(b)fluoranthene	22.80	252	932290	38.71	ng	97
88) Benzo(k)fluoranthene	22.84	252	940725	39.92	ng	98
89) Benzo(a)pyrene	23.37	252	906912	40.18	ng	98
90) Dibenzo(a,h)anthracene	25.76	278	898539	40.91	ng	98
91) Benzo(g,h,i)perylene	26.45	276	901539	41.10	ng	96

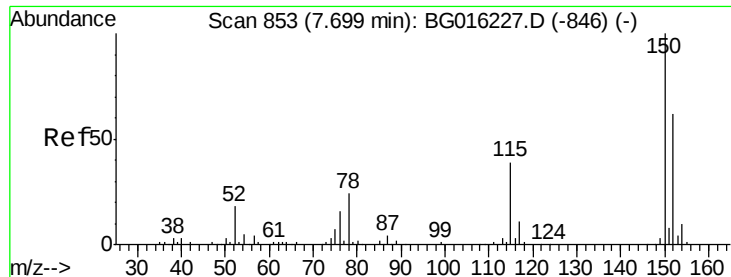
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.67 min Scan# 847

Delta R.T. -0.01 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

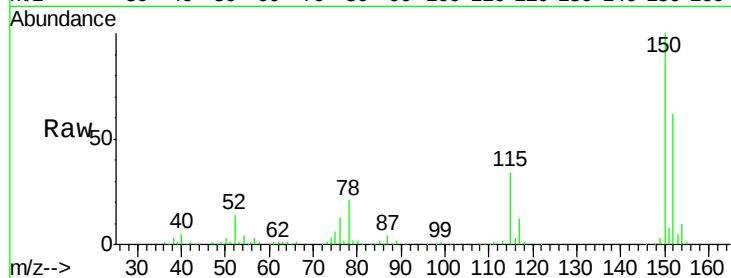
Tgt Ion:152 Resp: 93231

Ion Ratio Lower Upper

152 100

150 161.8 130.1 195.1

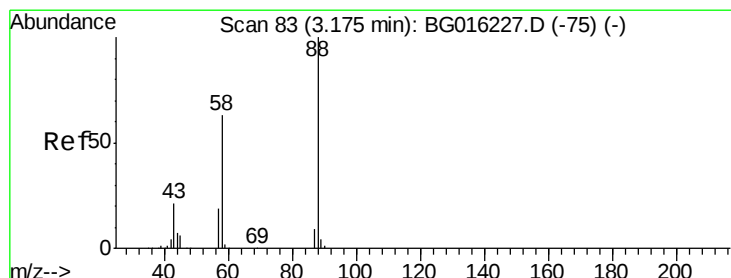
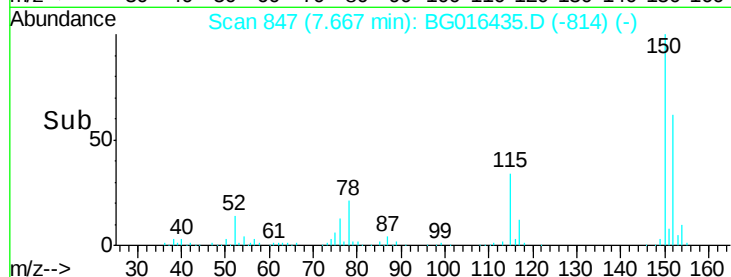
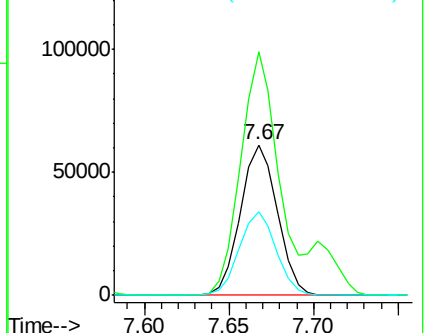
115 55.7 50.5 75.7



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: 32.88 ng

RT: 3.14 min Scan# 76

Delta R.T. -0.02 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

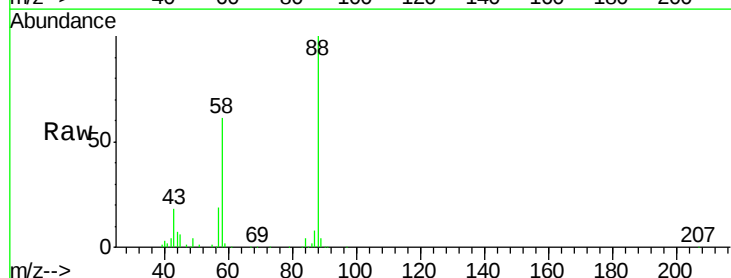
Tgt Ion: 88 Resp: 88289

Ion Ratio Lower Upper

88 100

58 62.4 50.6 76.0

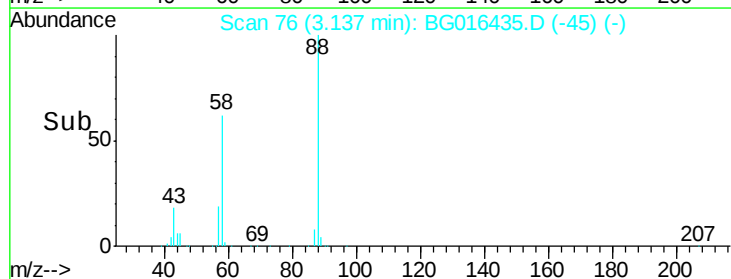
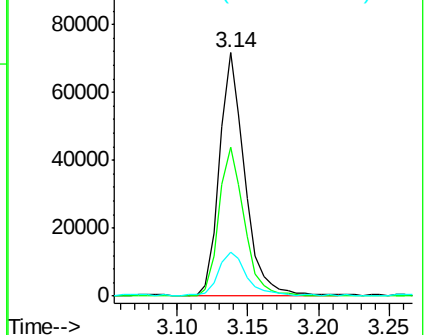
43 19.3 17.0 25.4

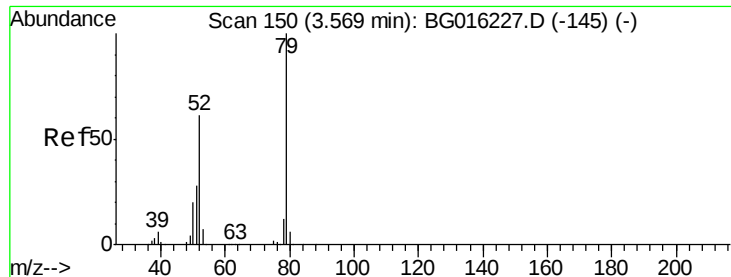


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 32.93 ng

RT: 3.54 min Scan# 144

Delta R.T. -0.01 min

Lab File: BG016435.D

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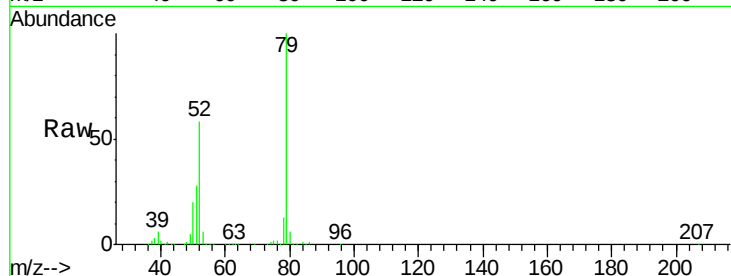
Tgt Ion: 79 Resp: 264285

Ion Ratio Lower Upper

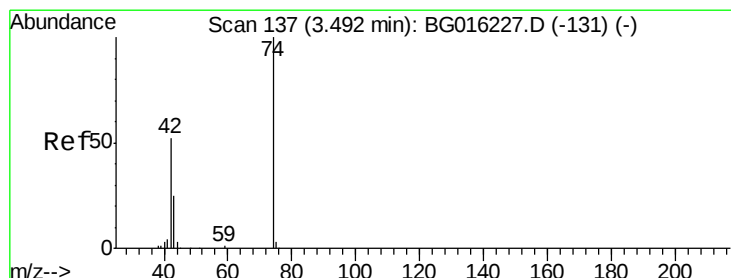
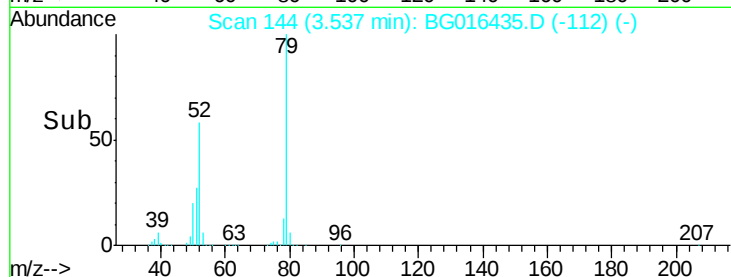
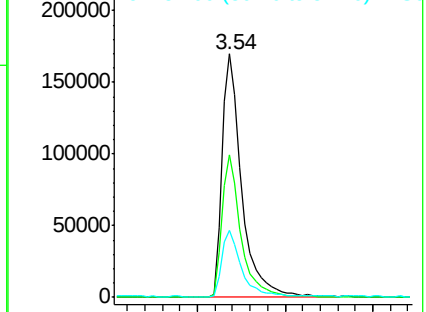
79 100

52 58.4 49.0 73.4

51 27.5 22.5 33.7



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: 33.66 ng

RT: 3.45 min Scan# 130

Delta R.T. -0.02 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

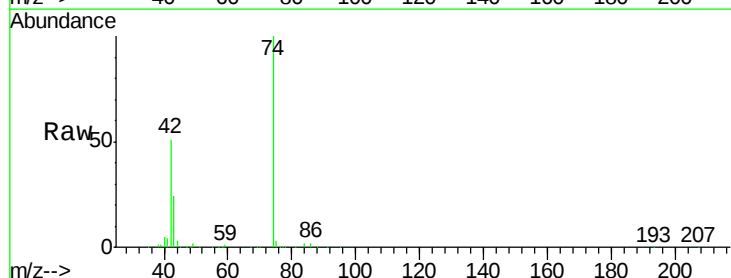
Tgt Ion: 42 Resp: 80308

Ion Ratio Lower Upper

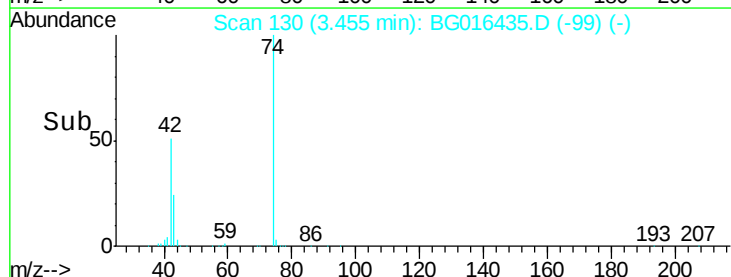
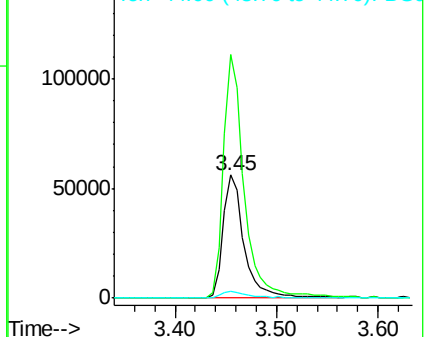
42 100

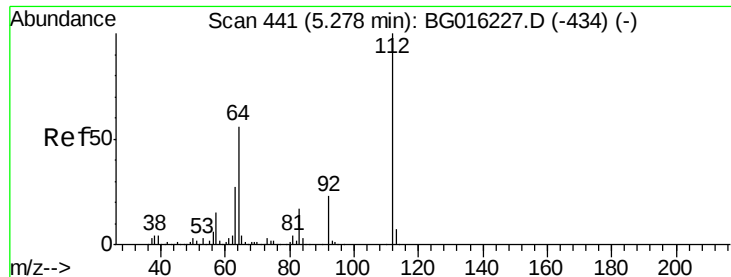
74 197.9 153.7 230.5

44 5.8 5.3 7.9



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: 78.80 ng

RT: 5.26 min Scan# 437

Delta R.T. -0.01 min

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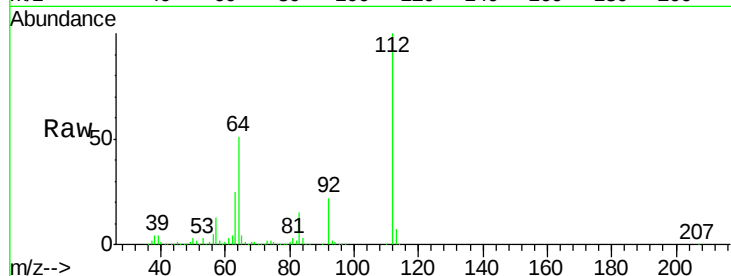
Tgt Ion: 112 Resp: 465476

Ion Ratio Lower Upper

112 100

64 51.2 44.5 66.7

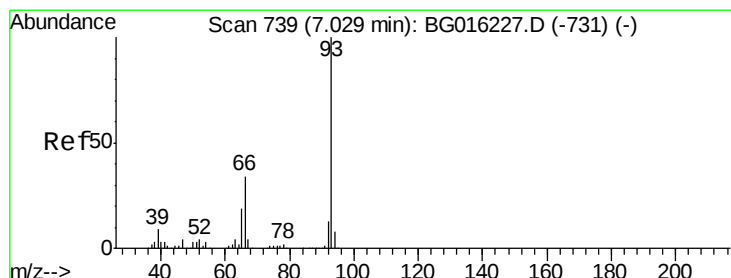
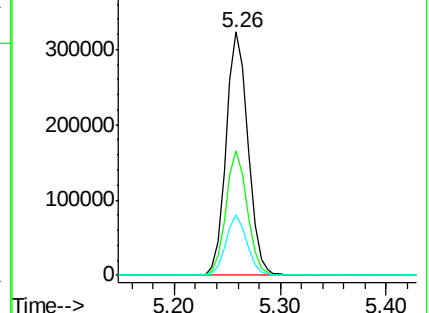
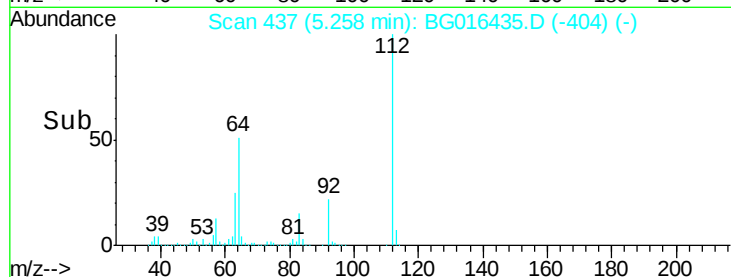
63 25.1 21.4 32.0



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: 36.01 ng

RT: 7.00 min Scan# 733

Delta R.T. -0.01 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

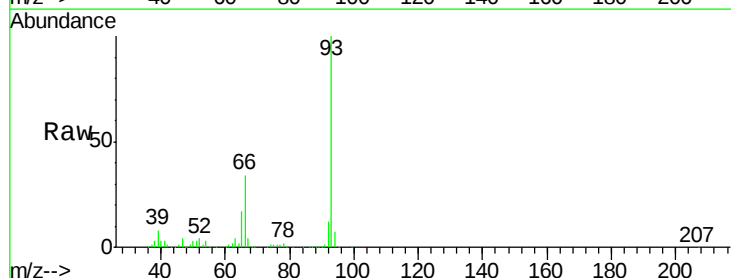
Tgt Ion: 93 Resp: 456115

Ion Ratio Lower Upper

93 100

66 33.6 27.5 41.3

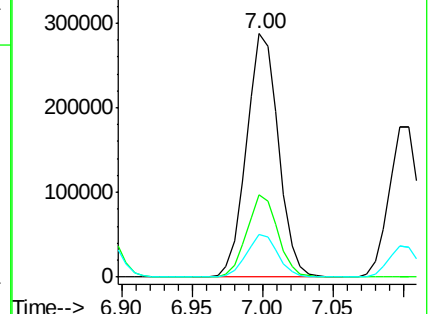
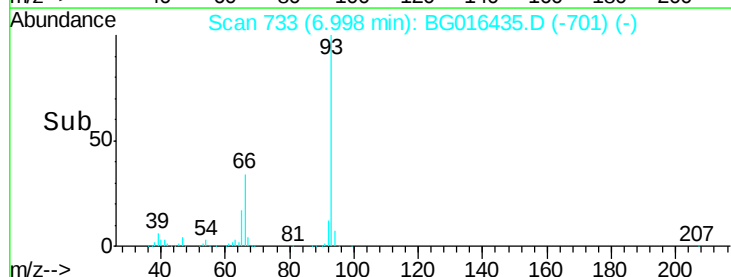
65 17.4 15.1 22.7

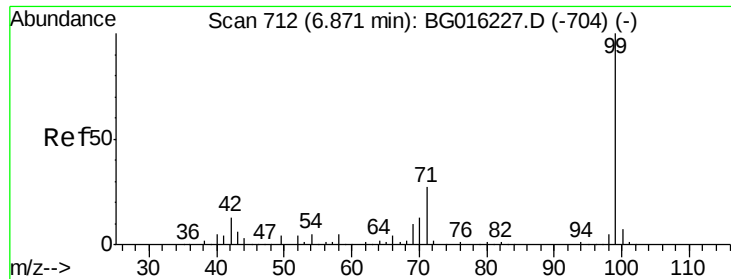


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 78.53 ng

RT: 6.86 min Scan# 710

Delta R.T. 0.00 min

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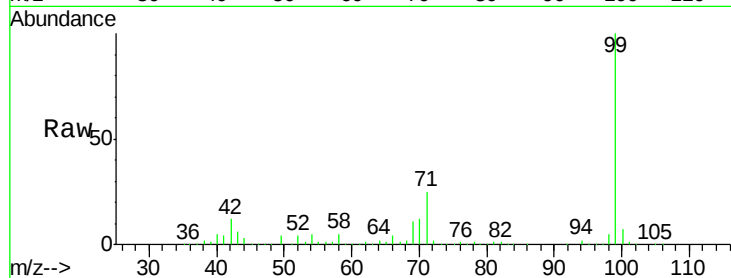
Tgt Ion: 99 Resp: 696392

Ion Ratio Lower Upper

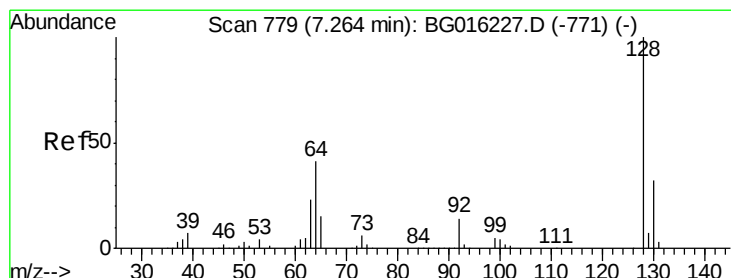
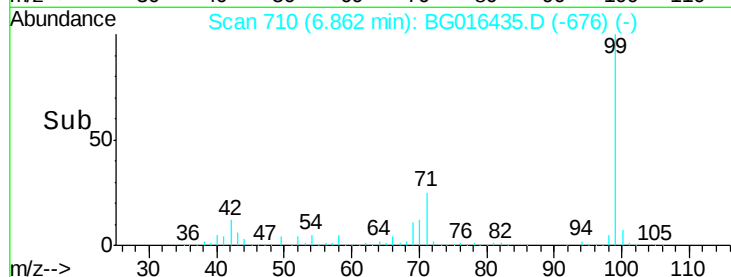
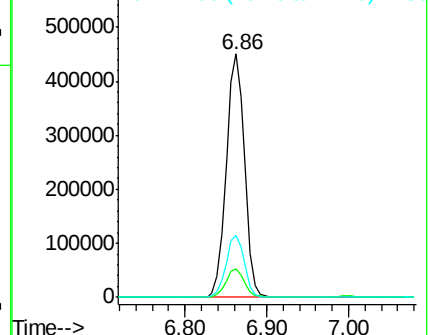
99 100

42 11.7 10.0 15.0

71 25.3 21.5 32.3



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: 40.92 ng

RT: 7.24 min Scan# 774

Delta R.T. -0.01 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

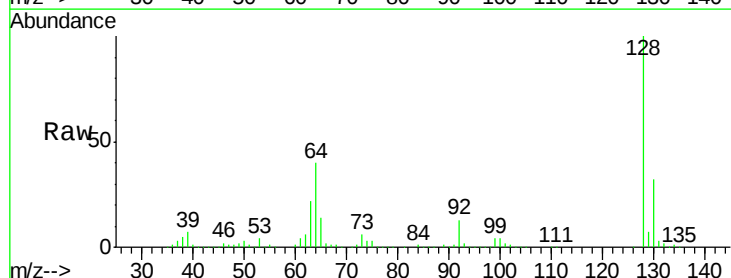
Tgt Ion: 128 Resp: 290315

Ion Ratio Lower Upper

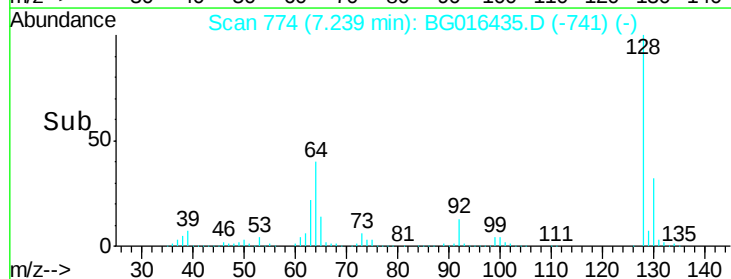
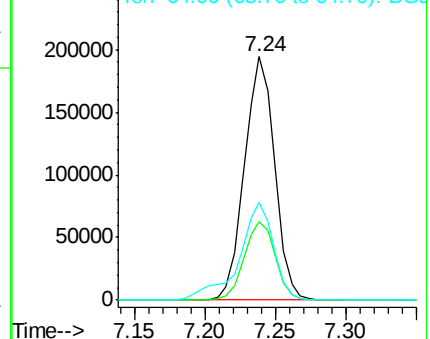
128 100

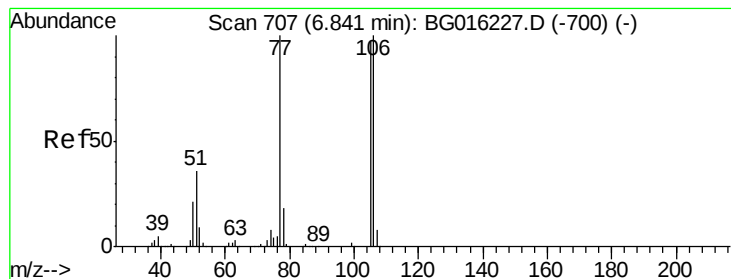
130 32.4 11.6 51.6

64 39.9 24.2 64.2



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: 31.58 ng

RT: 6.81 min Scan# 701

Delta R.T. -0.01 min

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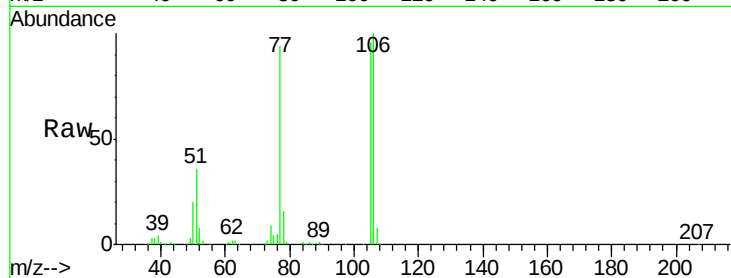
Tgt Ion: 77 Resp: 164025

Ion Ratio Lower Upper

77 100

105 102.2 76.8 116.8

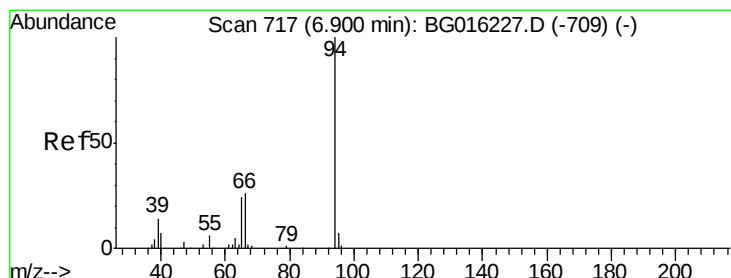
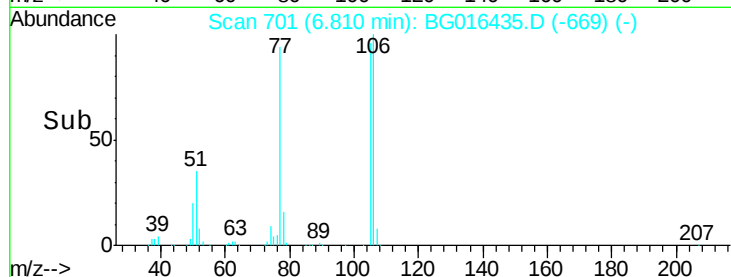
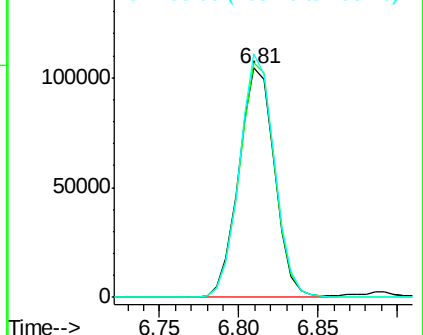
106 106.2 80.1 120.1



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: 38.85 ng

RT: 6.89 min Scan# 714

Delta R.T. 0.00 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

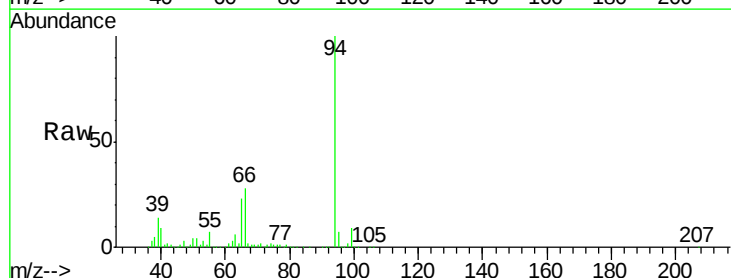
Tgt Ion: 94 Resp: 368647

Ion Ratio Lower Upper

94 100

65 23.5 3.8 43.8

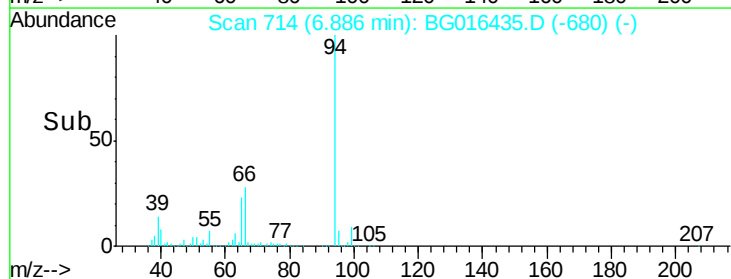
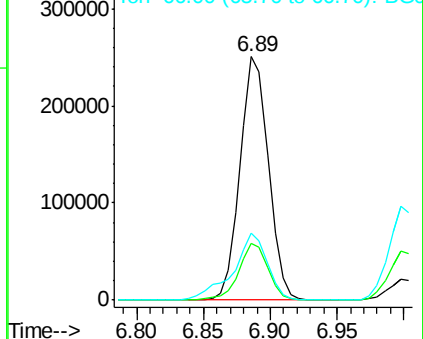
66 27.7 7.4 47.4



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

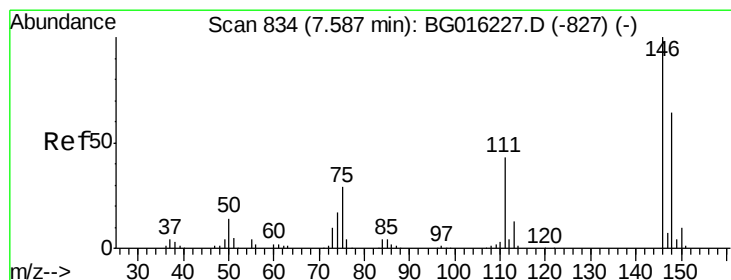
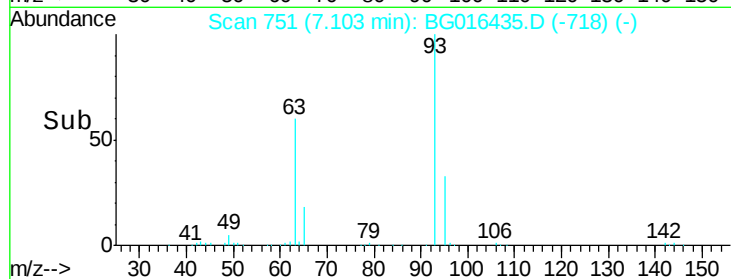
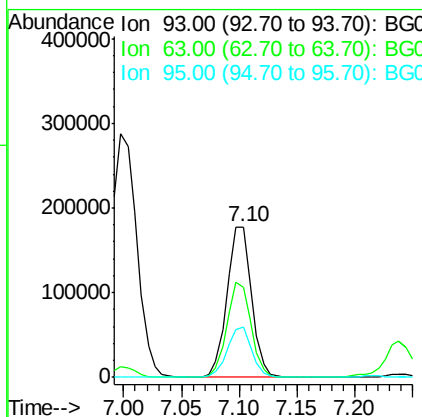
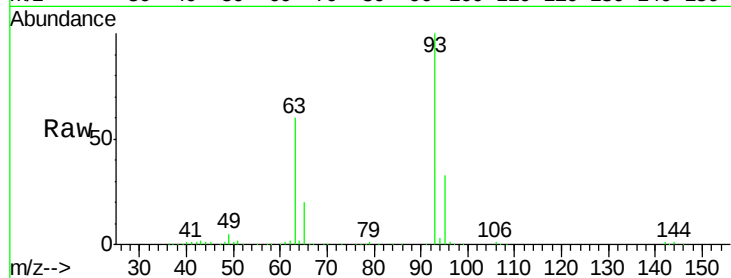




#11
 bis(2-Chloroethyl)ether
 Concen: 34.55 ng
 RT: 7.10 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BG016435.D
 Acq: 15 Apr 2015 22:13

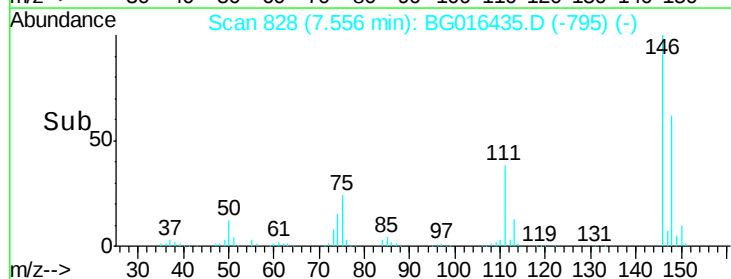
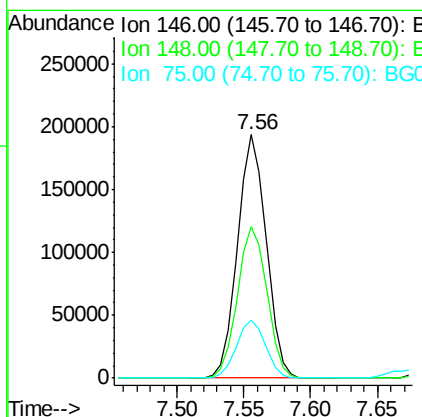
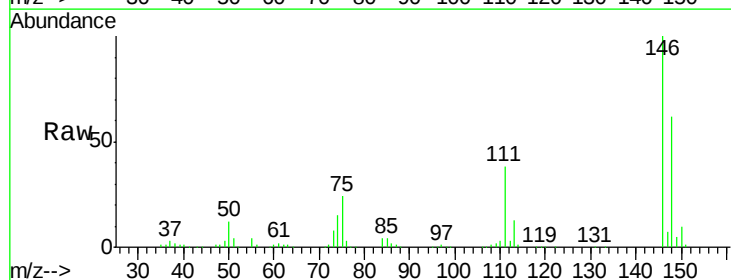
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

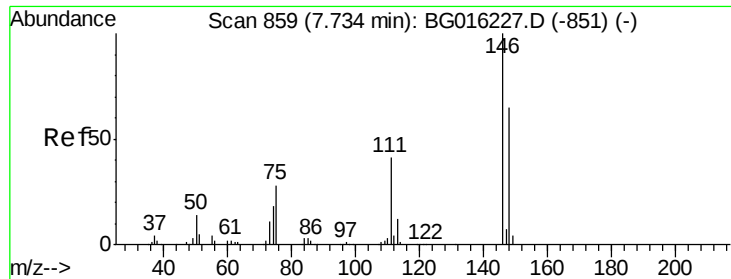
Tgt Ion	Ratio	Lower	Upper
93	100		
63	60.3	44.1	84.1
95	33.4	12.5	52.5



#12
 1,3-Dichlorobenzene
 Concen: 40.22 ng
 RT: 7.56 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BG016435.D
 Acq: 15 Apr 2015 22:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.9	76.3
75	23.9	23.3	34.9

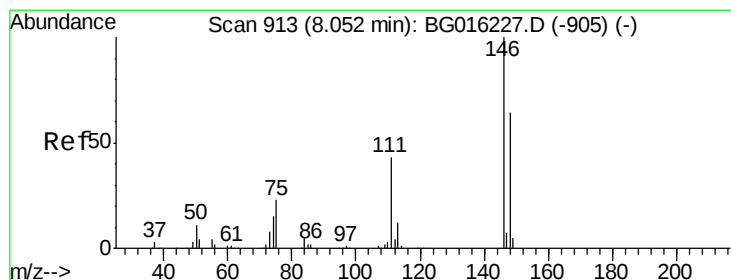
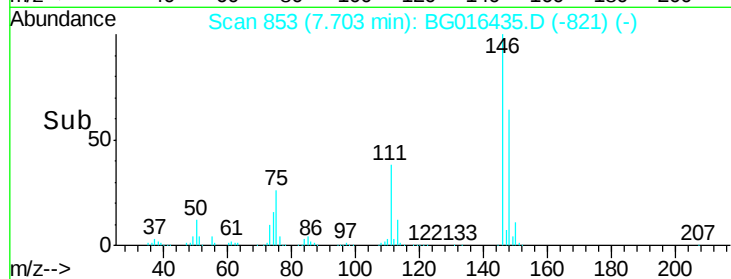
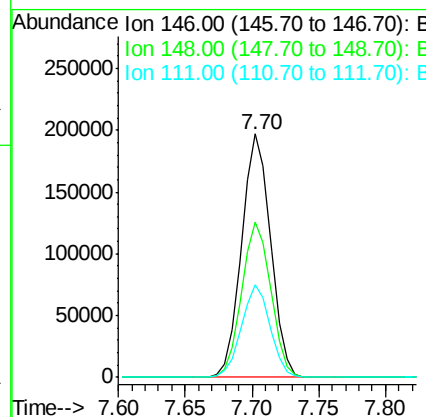
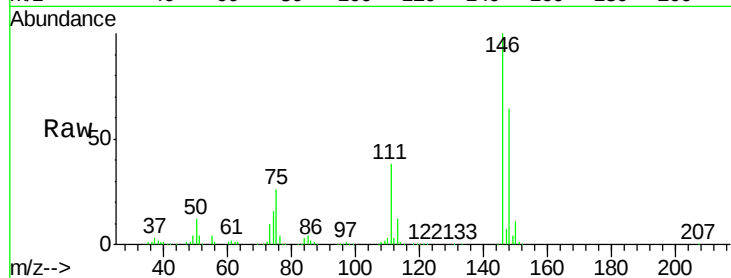




#13
 1,4-Dichlorobenzene
 Concen: 39.62 ng
 RT: 7.70 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BG016435.D
 Acq: 15 Apr 2015 22:13

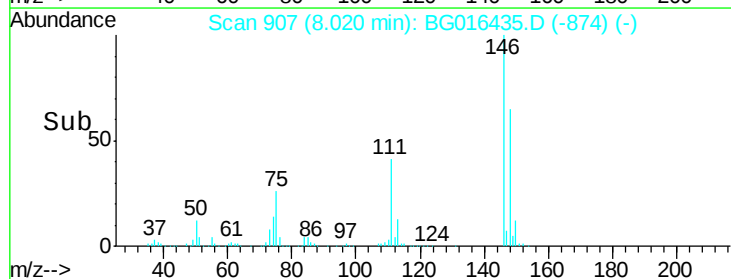
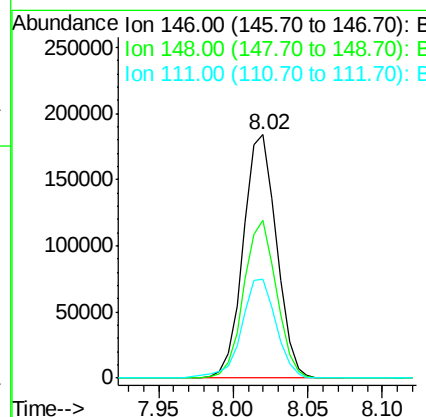
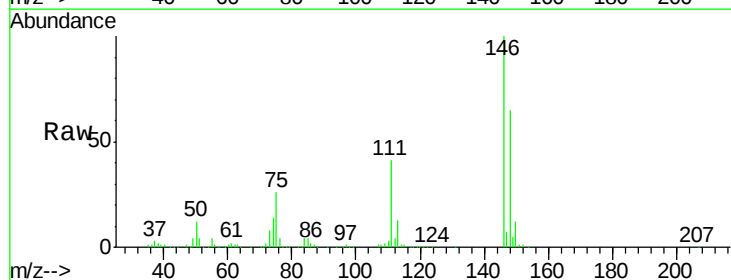
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

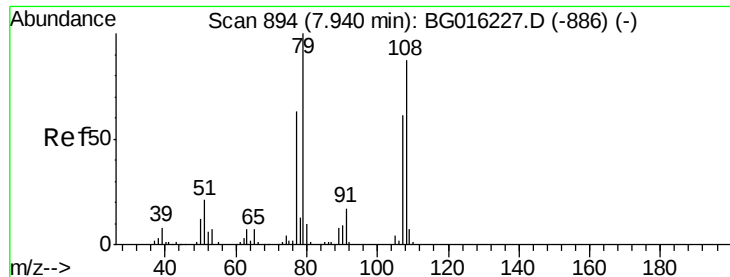
Tgt Ion:146 Resp: 294467
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.0 78.0
 111 37.9 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 39.86 ng
 RT: 8.02 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BG016435.D
 Acq: 15 Apr 2015 22:13

Tgt Ion:146 Resp: 283262
 Ion Ratio Lower Upper
 146 100
 148 64.9 50.9 76.3
 111 40.9 34.7 52.1





#15

Benzyl Alcohol

Concen: 37.33 ng

RT: 7.91 min Scan# 889

Delta R.T. -0.01 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

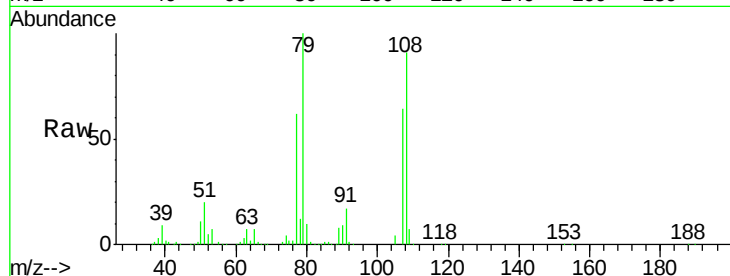
Tgt Ion: 79 Resp: 230744

Ion Ratio Lower Upper

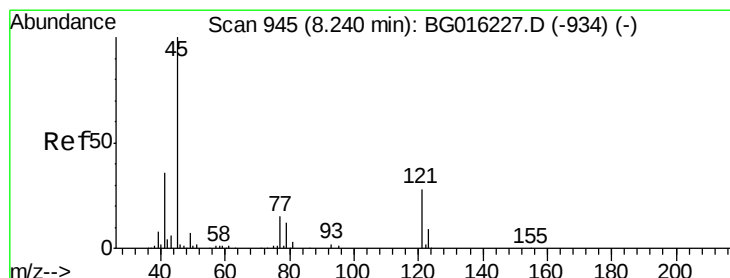
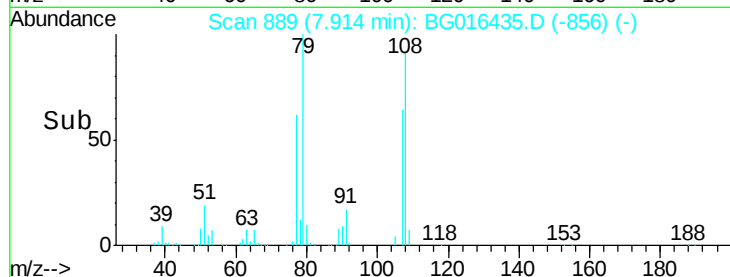
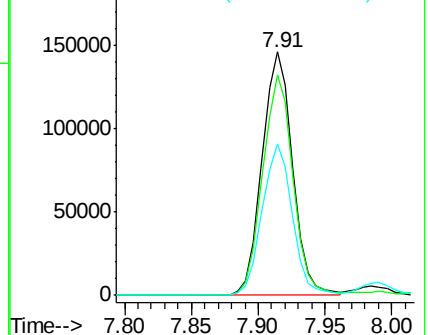
79 100

108 90.6 69.3 103.9

77 62.3 50.3 75.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 32.00 ng

RT: 8.21 min Scan# 939

Delta R.T. -0.01 min

Lab File: BG016435.D

Acq: 15 Apr 2015 22:13

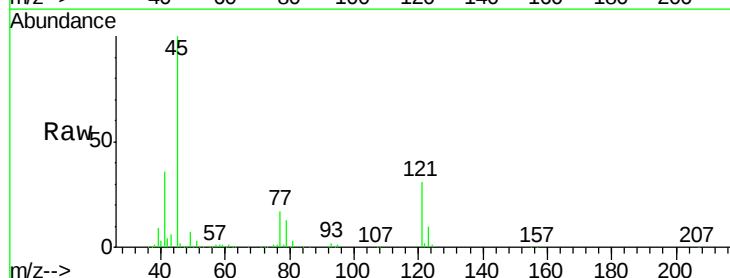
Tgt Ion: 45 Resp: 272638

Ion Ratio Lower Upper

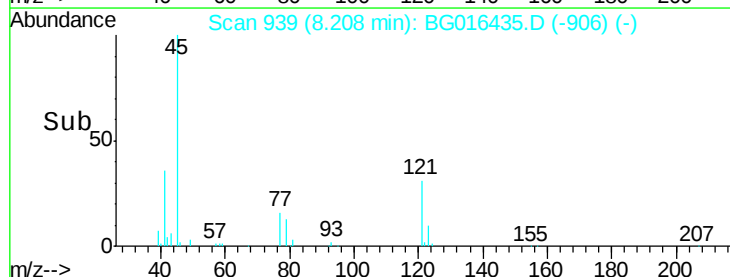
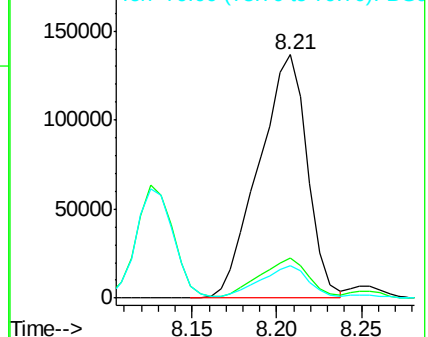
45 100

77 16.5 0.0 35.3

79 13.4 0.0 32.3



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

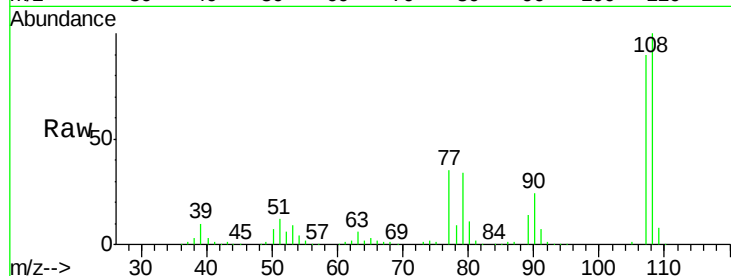




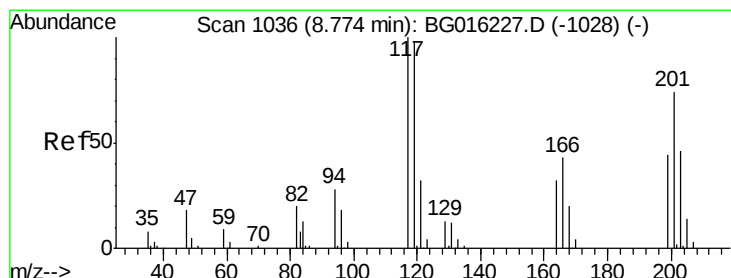
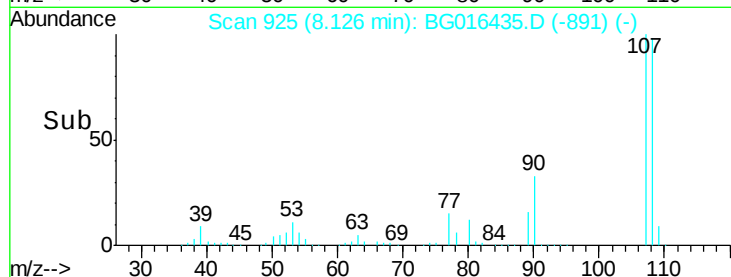
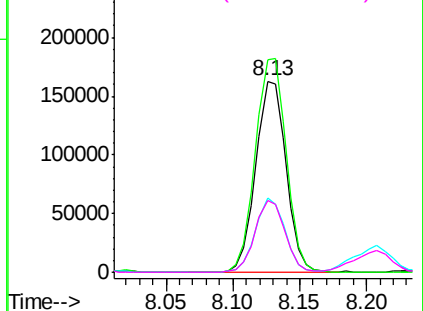
#17
2-Methylphenol
Concen: 39.99 ng
RT: 8.13 min Scan# 925
Delta R.T. -0.00 min
Lab File: BG016435.D
Acq: 15 Apr 2015 22:13

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 254440
Ion Ratio Lower Upper
107 100
108 111.5 87.2 130.8
77 39.0 31.1 46.7
79 37.8 29.7 44.5

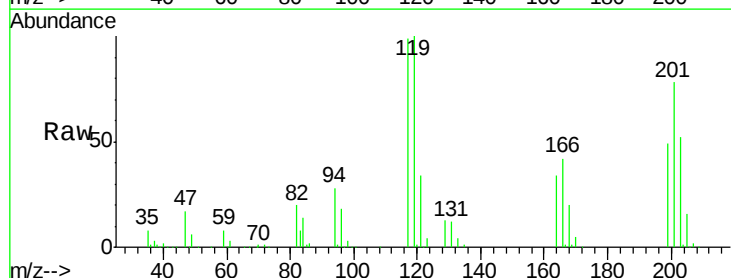


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

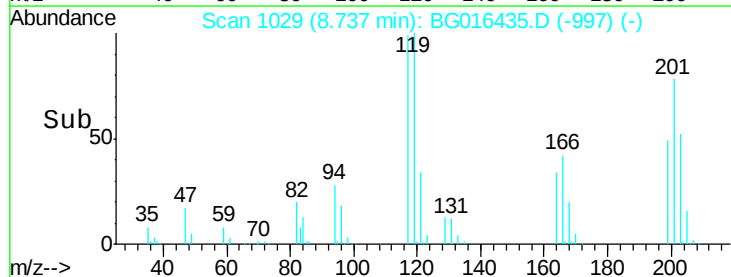
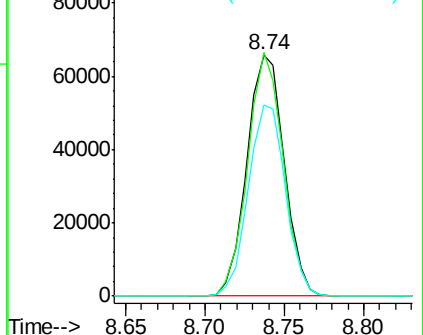


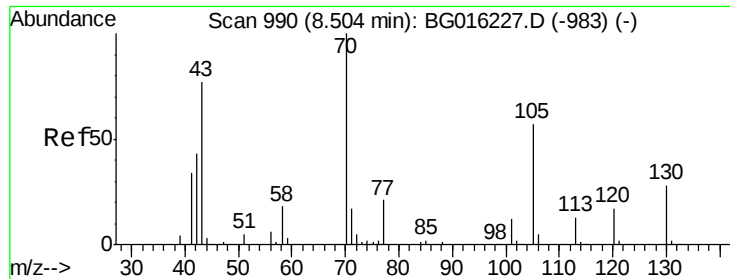
#18
Hexachloroethane
Concen: 37.92 ng
RT: 8.74 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG016435.D
Acq: 15 Apr 2015 22:13

Tgt Ion:117 Resp: 107810
Ion Ratio Lower Upper
117 100
119 101.0 78.8 118.2
201 79.2 59.0 88.4



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

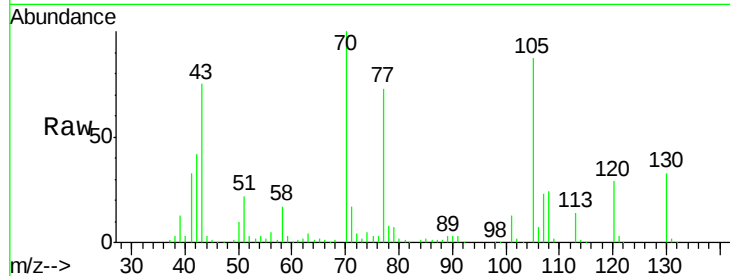




#19
n-Nitroso-di-n-propylamine
Concen: 33.34 ng
RT: 8.48 min Scan# 985
Delta R.T. -0.01 min
Lab File: BG016435.D
Acq: 15 Apr 2015 22:13

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	70	Resp:	211821
Ion	Ratio	Lower	Upper
70	100		
42	42.1	34.7	52.1
101	13.0	9.2	13.8
130	33.0	22.6	33.8



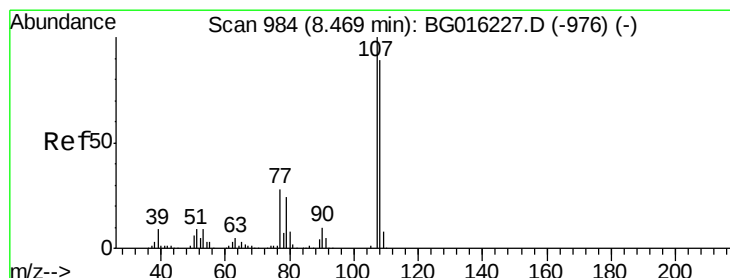
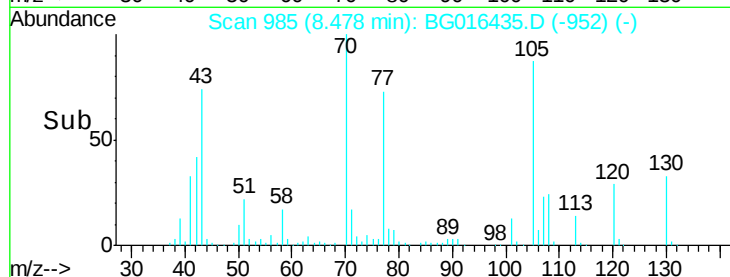
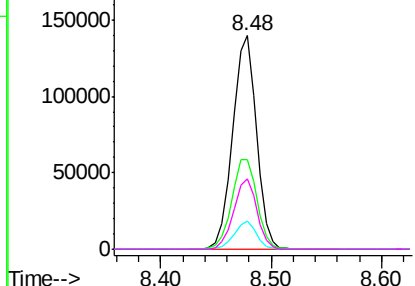
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

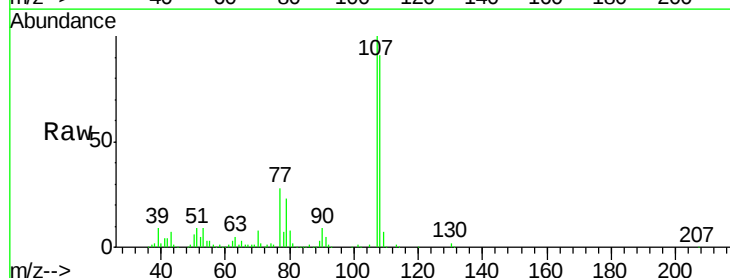
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 40.54 ng
RT: 8.45 min Scan# 981
Delta R.T. -0.00 min
Lab File: BG016435.D
Acq: 15 Apr 2015 22:13

Tgt Ion:	107	Resp:	357301
Ion	Ratio	Lower	Upper
107	100		
108	90.9	69.5	109.5
77	28.0	8.2	48.2
79	23.2	3.8	43.8



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

