

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016525.D
 Acq On : 18 Apr 2015 15:17
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Apr 20 02:41:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 02:16:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	84319	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	379804	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	218303	20.00	ng	0.00
63) Phenanthrene-d10	17.05	188	439043	20.00	ng	0.00
75) Chrysene-d12	21.23	240	372496	20.00	ng	0.00
86) Perylene-d12	23.46	264	362971	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	418029	78.24	ng	0.00
7) Phenol-d6	6.85	99	596998	74.43	ng	0.00
23) Nitrobenzene-d5	8.82	82	501928	76.56	ng	0.00
41) 2,4,6-Tribromophenol	15.80	330	122030	82.66	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	1004902	78.37	ng	0.00
78) Terphenyl-d14	19.67	244	1172743	73.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	86169	35.48	ng	99
3) Pyridine	3.53	79	249531	34.38	ng	96
4) n-Nitrosodimethylamine	3.45	42	78621	36.43	ng	100
6) Aniline	6.99	93	402447	35.13	ng	98
8) 2-Chlorophenol	7.23	128	251549	39.21	ng	94
9) Benzaldehyde	6.80	77	147420	31.38	ng	95
10) Phenol	6.88	94	313233	36.50	ng	99
11) bis(2-Chloroethyl)ether	7.09	93	238695	34.88	ng	99
12) 1,3-Dichlorobenzene	7.55	146	254672	39.31	ng	98
13) 1,4-Dichlorobenzene	7.69	146	260761	38.80	ng	98
14) 1,2-Dichlorobenzene	8.01	146	249147	38.76	ng	99
15) Benzyl Alcohol	7.91	79	194260	34.74	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.20	45	239559	31.09	ng	97
17) 2-Methylphenol	8.12	107	211361	36.73	ng	97
18) Hexachloroethane	8.73	117	95423	37.11	ng	97
19) n-Nitroso-di-n-propylamine	8.46	70	185764	32.33	ng	97
20) 3+4-Methylphenols	8.45	107	294545	36.95	ng	99
22) Acetophenone	8.48	105	333821	37.91	ng	# 98
24) Nitrobenzene	8.86	77	260787	37.20	ng	92
25) Isophorone	9.38	82	512362	35.19	ng	97
26) 2-Nitrophenol	9.57	139	148434	45.40	ng	96
27) 2,4-Dimethylphenol	9.64	122	247077	40.57	ng	98
28) bis(2-Chloroethoxy)methane	9.87	93	304968	36.70	ng	99
29) 2,4-Dichlorophenol	10.10	162	210157	43.61	ng	96
30) 1,2,4-Trichlorobenzene	10.31	180	212715	42.28	ng	98
31) Naphthalene	10.50	128	776510	39.24	ng	99
32) Benzoic acid	9.80	122	89027	27.07	ng	99
33) 4-Chloroaniline	10.61	127	365546	39.36	ng	97
34) Hexachlorobutadiene	10.78	225	94736	42.87	ng	99
35) Caprolactam	11.40	113	116214	38.31	ng	93
36) 4-Chloro-3-methylphenol	11.75	107	251789	39.55	ng	98
37) 2-Methylnaphthalene	12.11	142	556284	39.07	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.49	216	198720	41.35	ng	99
40) Hexachlorocyclopentadiene	12.47	237	70076	31.85	ng	99

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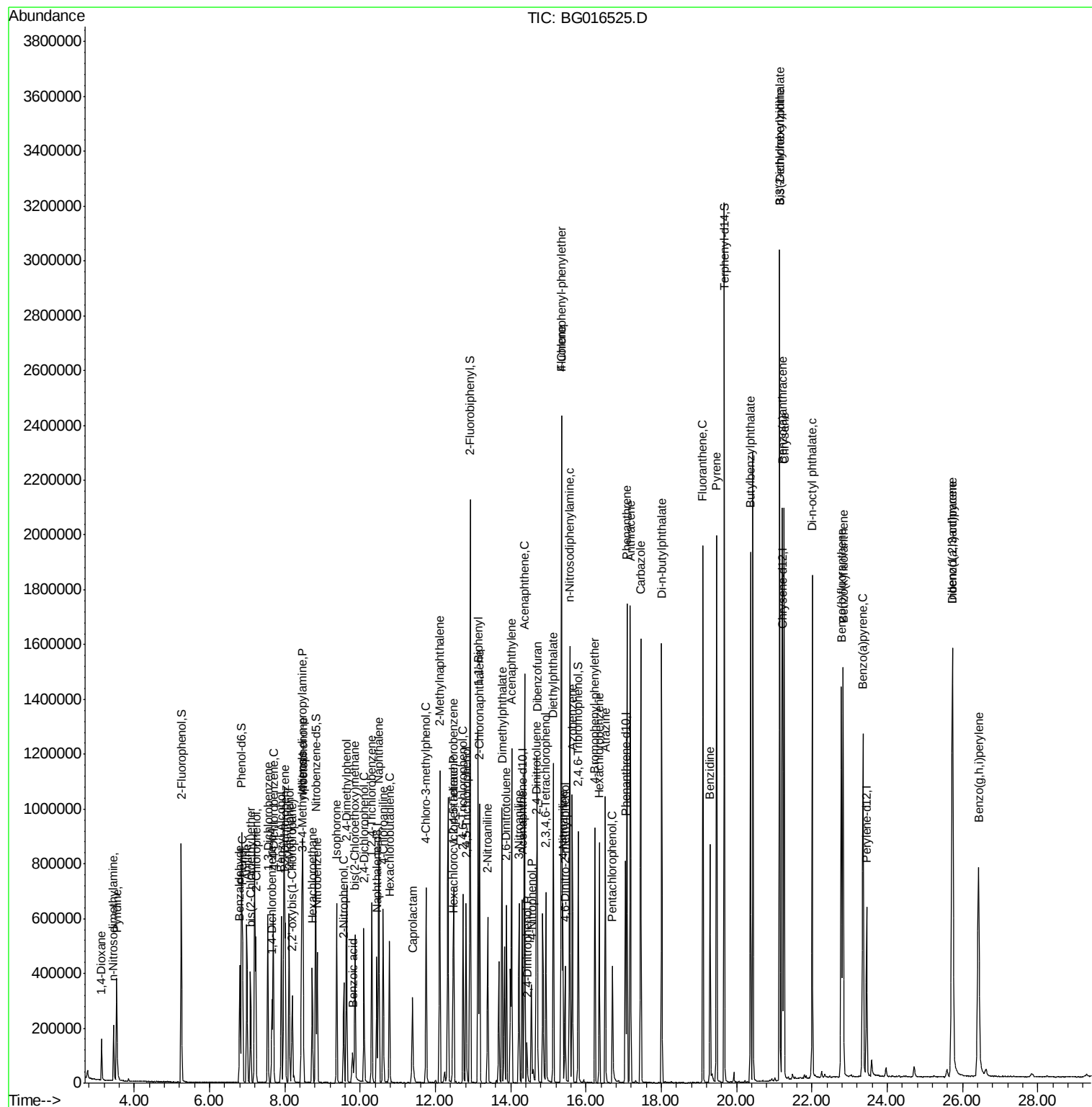
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.74	196	152666	42.75	ng	100
43) 2,4,5-Trichlorophenol	12.81	196	164430	43.09	ng	97
45) 1,1'-Biphenyl	13.13	154	651126	38.88	ng	98
46) 2-Chloronaphthalene	13.18	162	508655	39.87	ng	99
47) 2-Nitroaniline	13.39	65	159629	38.82	ng	93
48) Acenaphthylene	14.03	152	880961	38.84	ng	98
49) Dimethylphthalate	13.77	163	613538	38.35	ng	99
50) 2,6-Dinitrotoluene	13.89	165	157057	40.59	ng	94
51) Acenaphthene	14.37	154	527329	38.90	ng	98
52) 3-Nitroaniline	14.22	138	192302	38.92	ng	92
53) 2,4-Dinitrophenol	14.43	184	40397	24.44	ng	93
54) Dibenzofuran	14.70	168	732247	38.93	ng	99
55) 4-Nitrophenol	14.55	139	137495	33.67	ng	98
56) 2,4-Dinitrotoluene	14.68	165	219971	41.74	ng	92
57) Fluorene	15.35	166	644353	38.83	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.93	232	121057	41.11	ng	95
59) Diethylphthalate	15.13	149	648733	38.09	ng	98
60) 4-Chlorophenyl-phenylether	15.35	204	260947	38.44	ng	99
61) 4-Nitroaniline	15.39	138	218942	39.03	ng	98
62) Azobenzene	15.64	77	629567	34.73	ng	99
64) 4,6-Dinitro-2-methylphenol	15.44	198	99391	33.45	ng	95
65) n-Nitrosodiphenylamine	15.57	169	595228	40.10	ng	99
66) 4-Bromophenyl-phenylether	16.24	248	138302	39.45	ng	97
67) Hexachlorobenzene	16.35	284	143835	39.48	ng	99
68) Atrazine	16.52	200	165206	39.94	ng	98
69) Pentachlorophenol	16.71	266	72629	32.65	ng	95
70) Phenanthrene	17.09	178	954487	38.65	ng	100
71) Anthracene	17.18	178	963626	39.38	ng	99
72) Carbazole	17.45	167	958728	39.03	ng	99
73) Di-n-butylphthalate	18.01	149	1160642	38.62	ng	99
74) Fluoranthene	19.10	202	976036	38.35	ng	98
76) Benzidine	19.30	184	482021	30.51	ng	98
77) Pyrene	19.47	202	1001403	38.61	ng	99
79) Butylbenzylphthalate	20.37	149	553132	43.41	ng	99
80) Benzo(a)anthracene	21.21	228	878018	39.88	ng	100
81) 3,3'-Dichlorobenzidine	21.15	252	298234	41.19	ng	97
82) Chrysene	21.27	228	823273	38.74	ng	98
83) Bis(2-ethylhexyl)phthalate	21.14	149	753007	43.65	ng	98
84) Di-n-octyl phthalate	22.01	149	1265076	45.01	ng	98
85) Indeno(1,2,3-cd)pyrene	25.73	276	966590	43.78	ng	99
87) Benzo(b)fluoranthene	22.79	252	830431	39.06	ng	98
88) Benzo(k)fluoranthene	22.83	252	826261	39.72	ng	99
89) Benzo(a)pyrene	23.36	252	799350	40.12	ng	100
90) Dibenzo(a,h)anthracene	25.74	278	795382	41.03	ng	99
91) Benzo(g,h,i)perylene	26.43	276	801333	41.38	ng	99

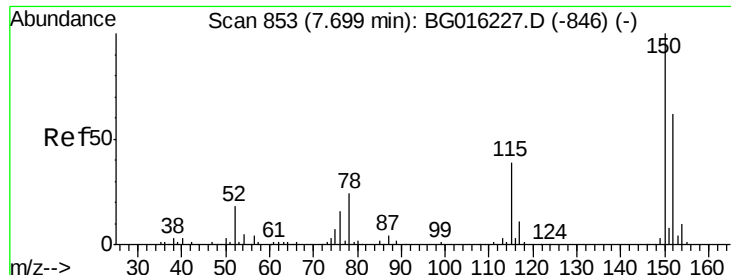
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 846

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

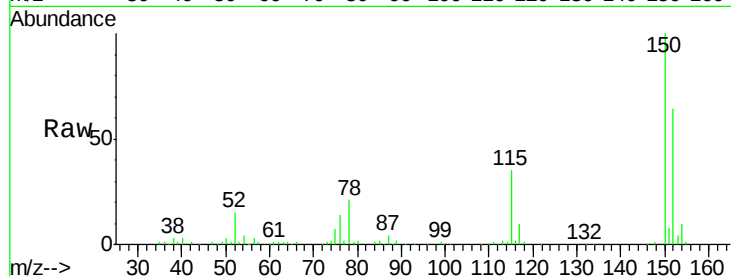
Tgt Ion:152 Resp: 84319

Ion Ratio Lower Upper

152 100

150 155.7 130.1 195.1

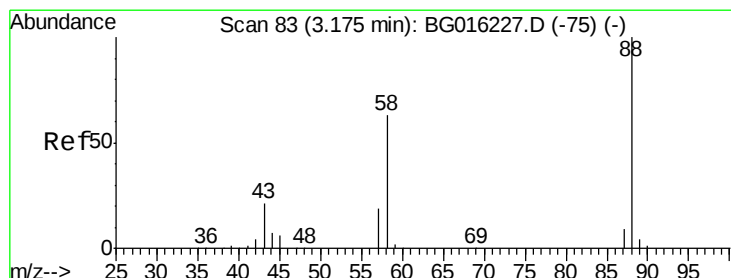
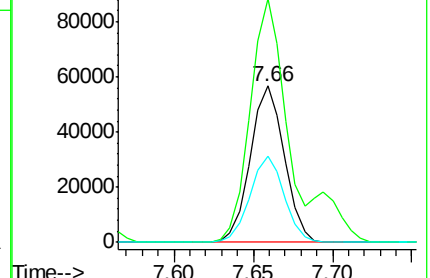
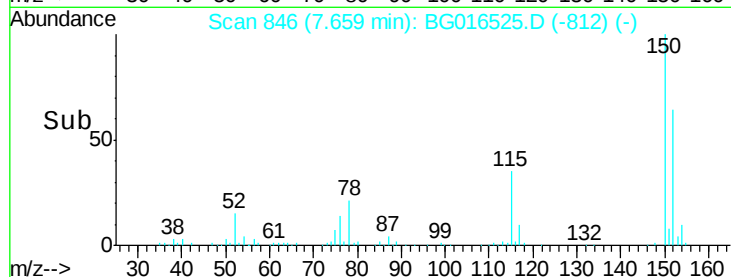
115 54.8 50.5 75.7



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: 35.48 ng

RT: 3.13 min Scan# 76

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

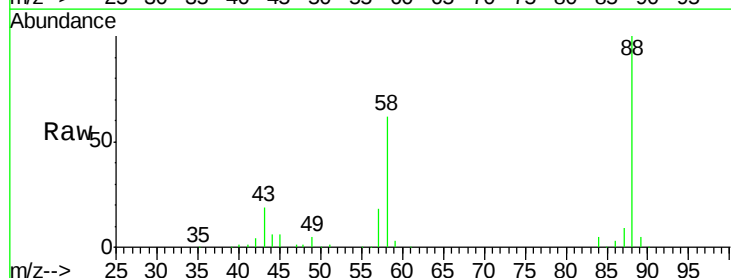
Tgt Ion: 88 Resp: 86169

Ion Ratio Lower Upper

88 100

58 62.0 50.6 76.0

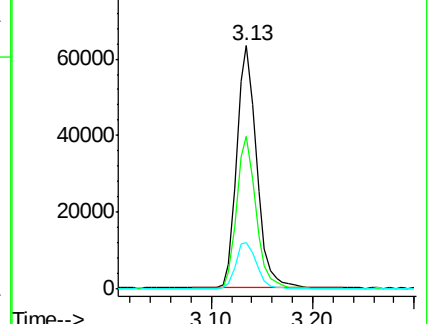
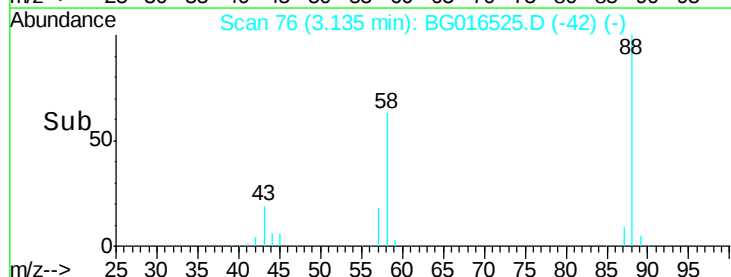
43 20.7 17.0 25.4

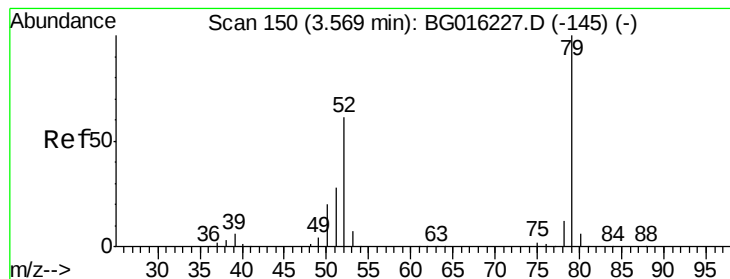


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 34.38 ng

RT: 3.53 min Scan# 143

Delta R.T. 0.00 min

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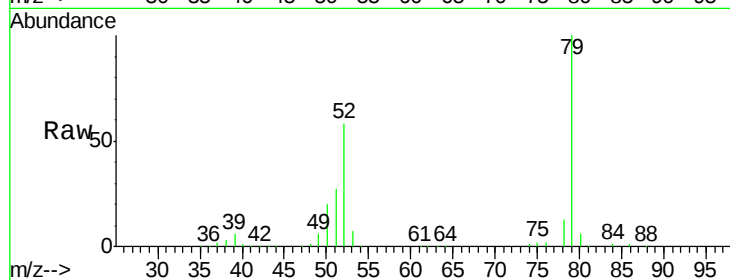
Tgt Ion: 79 Resp: 249531

Ion Ratio Lower Upper

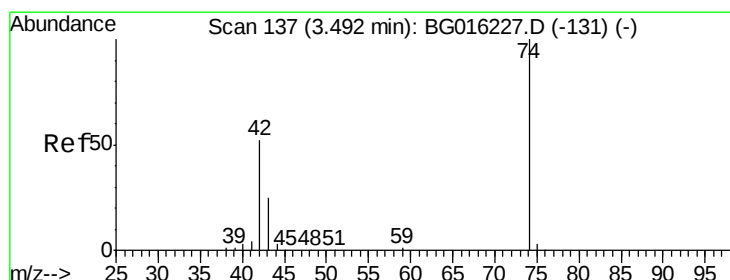
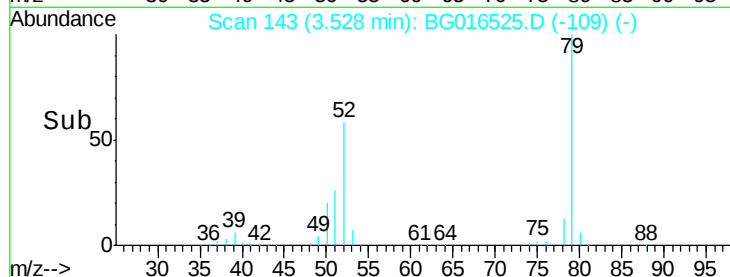
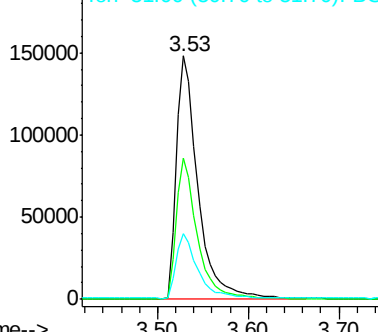
79 100

52 57.9 49.0 73.4

51 26.9 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: 36.43 ng

RT: 3.45 min Scan# 130

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

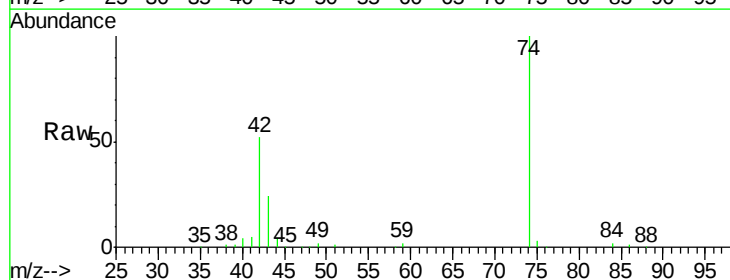
Tgt Ion: 42 Resp: 78621

Ion Ratio Lower Upper

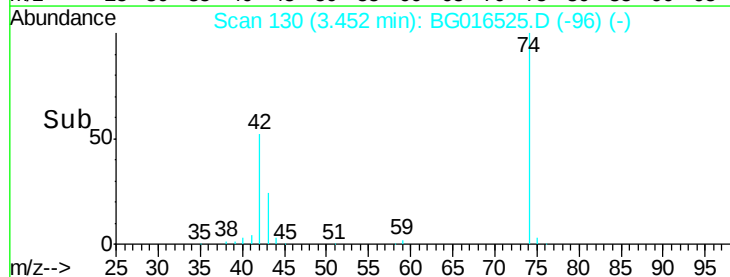
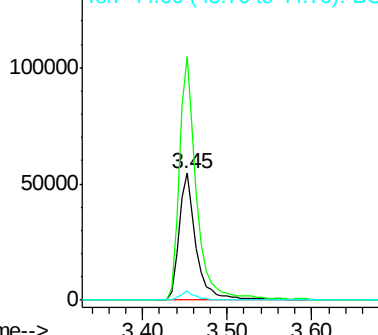
42 100

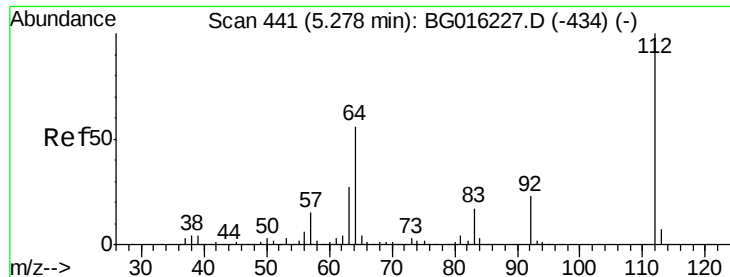
74 191.8 153.7 230.5

44 7.0 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: 78.24 ng

RT: 5.25 min Scan# 436

Delta R.T. 0.00 min

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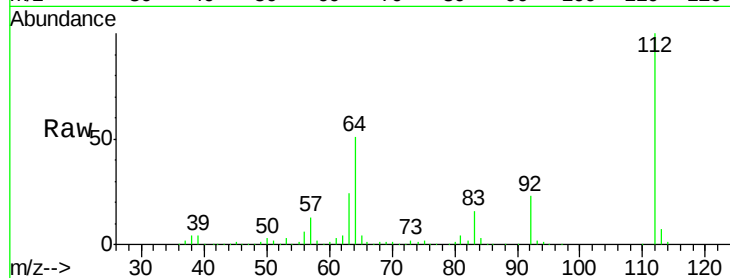
Tgt Ion: 112 Resp: 418029

Ion Ratio Lower Upper

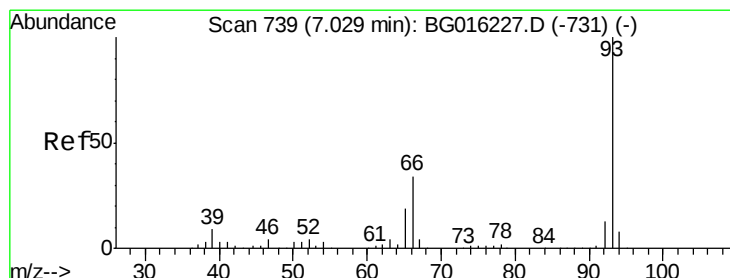
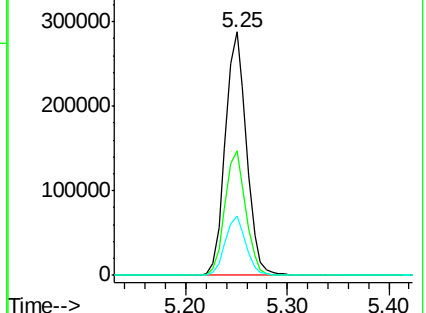
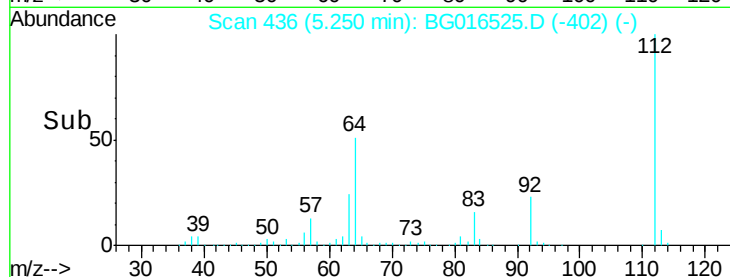
112 100

64 51.4 44.5 66.7

63 24.4 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: 35.13 ng

RT: 6.99 min Scan# 733

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

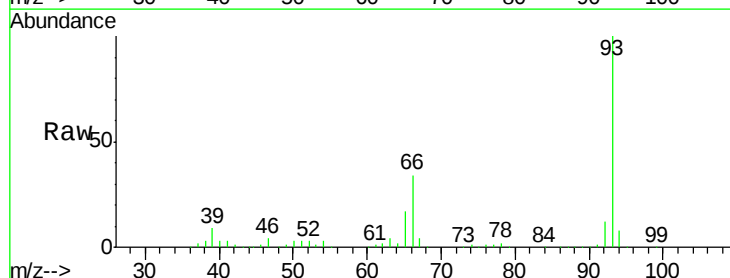
Tgt Ion: 93 Resp: 402447

Ion Ratio Lower Upper

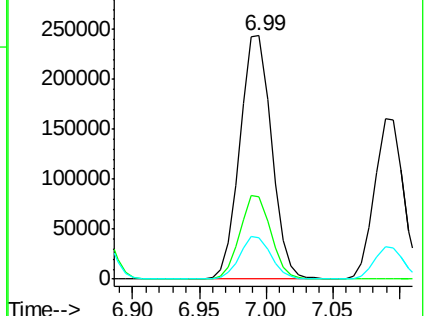
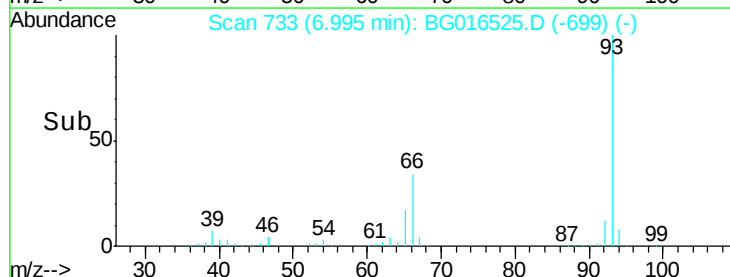
93 100

66 33.9 27.5 41.3

65 17.3 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: 74.43 ng

RT: 6.85 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

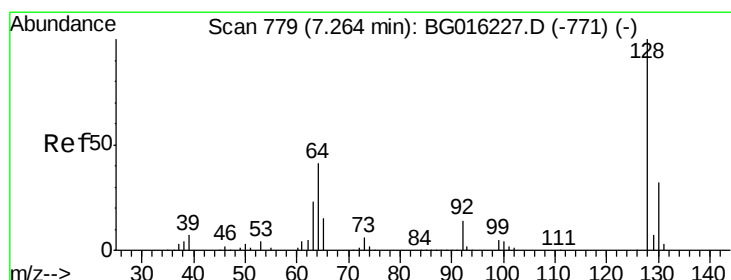
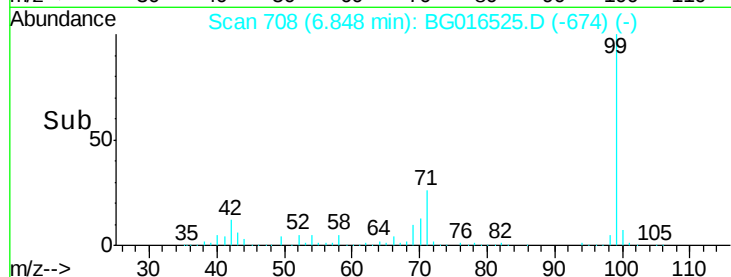
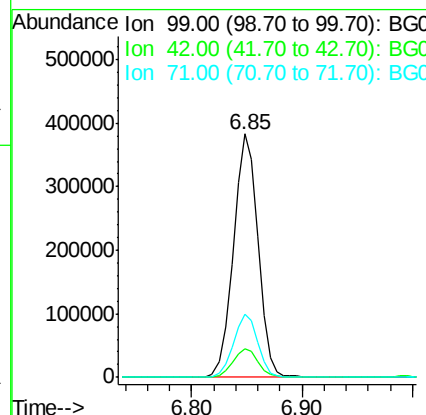
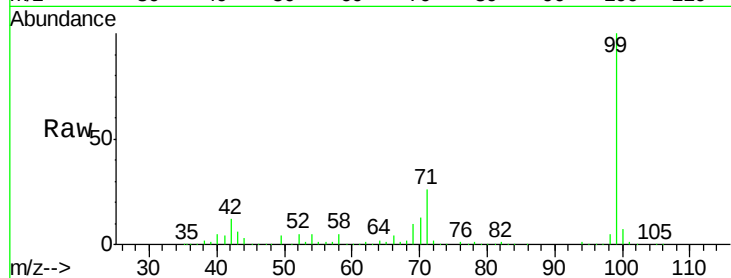
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Tgt Ion:	99	Resp:	596998
Ion	Ratio	Lower	Upper
99	100		
42	12.0	10.0	15.0
71	25.9	21.5	32.3



#8

2-Chlorophenol

Concen: 39.21 ng

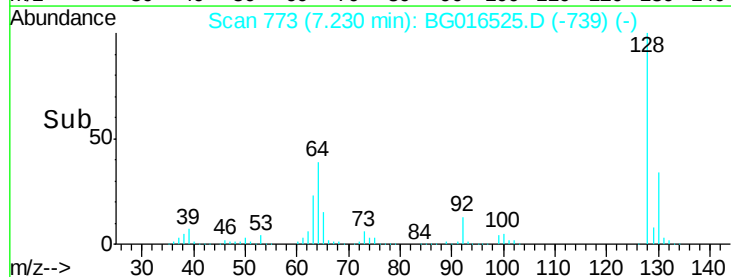
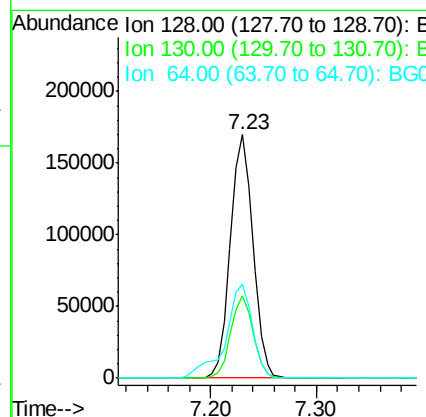
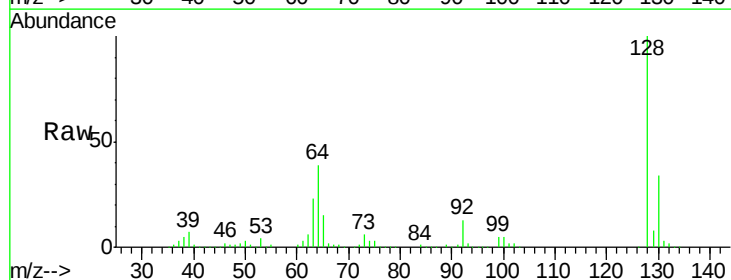
RT: 7.23 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

Tgt Ion:	128	Resp:	251549
Ion	Ratio	Lower	Upper
128	100		
130	33.6	11.6	51.6
64	38.7	24.2	64.2

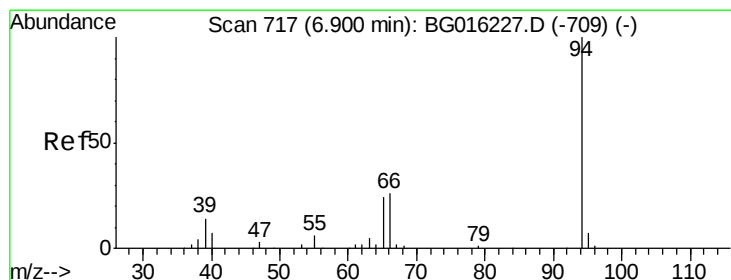
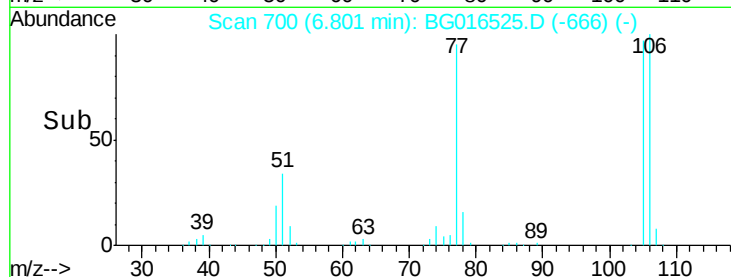
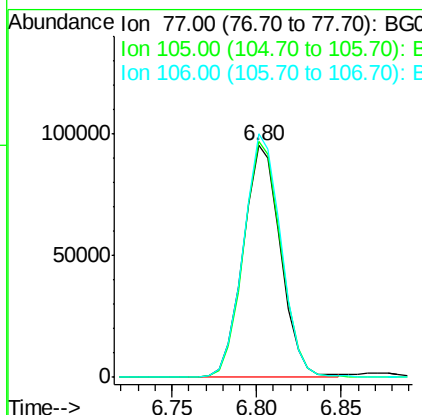
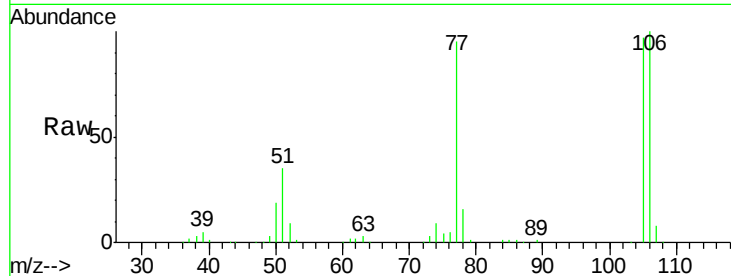




#9
Benzaldehyde
Concen: 31.38 ng
RT: 6.80 min Scan# 700
Delta R.T. 0.00 min
Lab File: BG016525.D
Acq: 18 Apr 2015 15:17

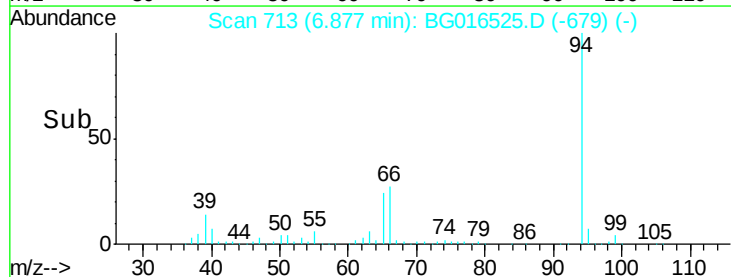
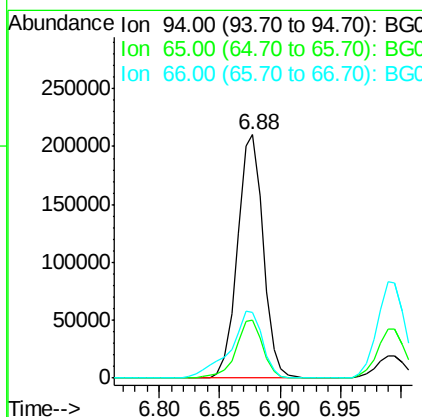
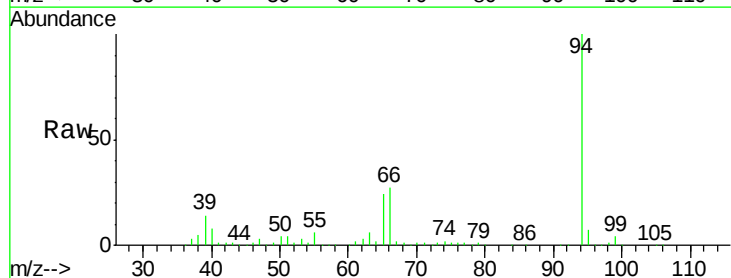
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Tgt Ion: 77 Resp: 147420
Ion Ratio Lower Upper
77 100
105 101.7 76.8 116.8
106 105.2 80.1 120.1



#10
Phenol
Concen: 36.50 ng
RT: 6.88 min Scan# 713
Delta R.T. 0.00 min
Lab File: BG016525.D
Acq: 18 Apr 2015 15:17

Tgt Ion: 94 Resp: 313233
Ion Ratio Lower Upper
94 100
65 23.6 3.8 43.8
66 26.9 7.4 47.4

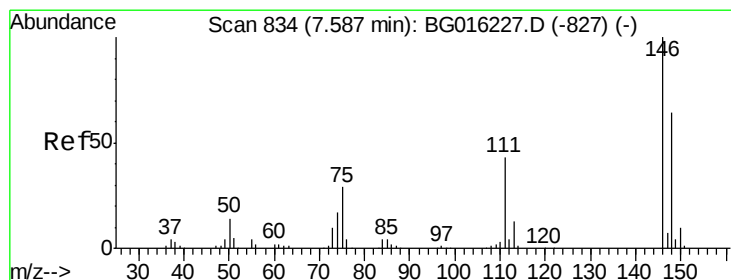
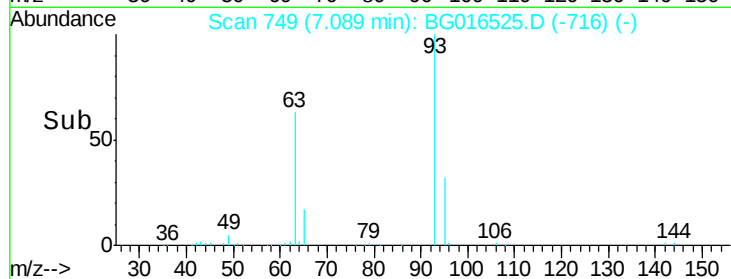
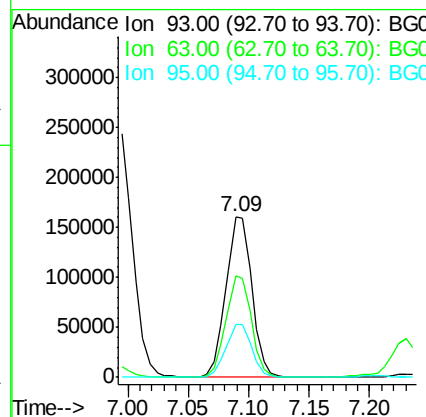
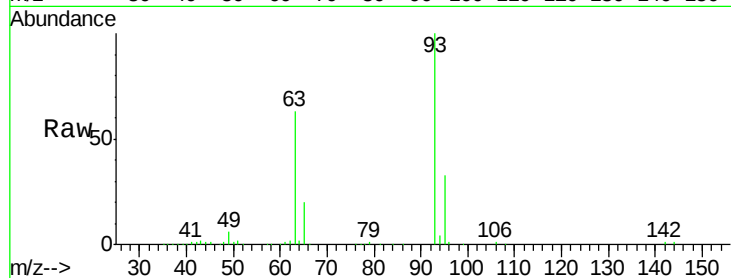




#11
bis(2-Chloroethyl)ether
Concen: 34.88 ng
RT: 7.09 min Scan# 749
Delta R.T. -0.01 min
Lab File: BG016525.D
Acq: 18 Apr 2015 15:17

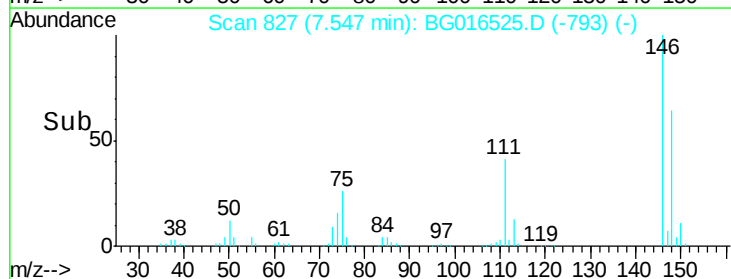
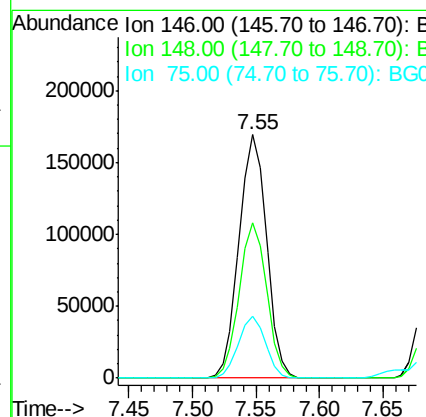
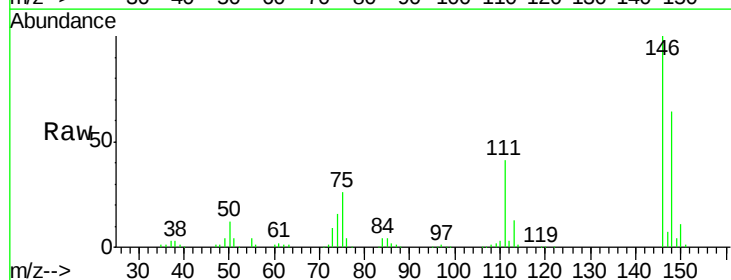
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

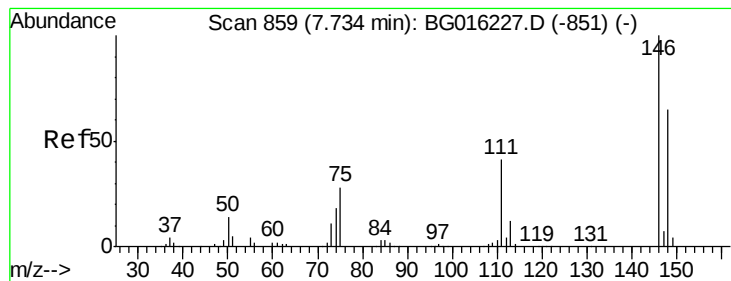
Tgt Ion: 93 Resp: 238695
Ion Ratio Lower Upper
93 100
63 63.4 44.1 84.1
95 32.7 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 39.31 ng
RT: 7.55 min Scan# 827
Delta R.T. 0.00 min
Lab File: BG016525.D
Acq: 18 Apr 2015 15:17

Tgt Ion: 146 Resp: 254672
Ion Ratio Lower Upper
146 100
148 63.7 50.9 76.3
75 25.5 23.3 34.9





#13

1,4-Dichlorobenzene

Concen: 38.80 ng

RT: 7.69 min Scan# 852

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

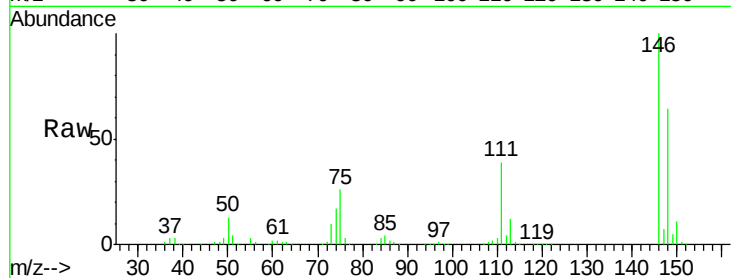
Tgt Ion:146 Resp: 260761

Ion Ratio Lower Upper

146 100

148 64.3 52.0 78.0

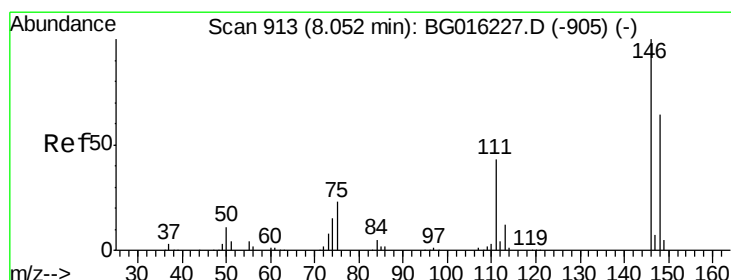
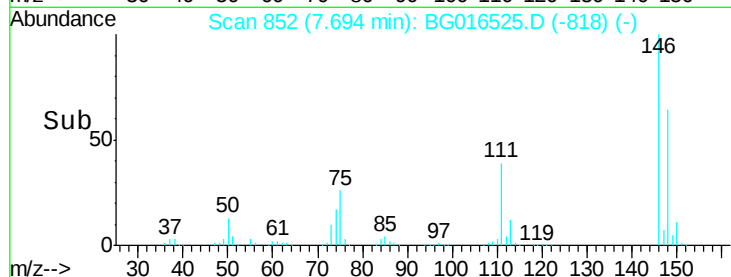
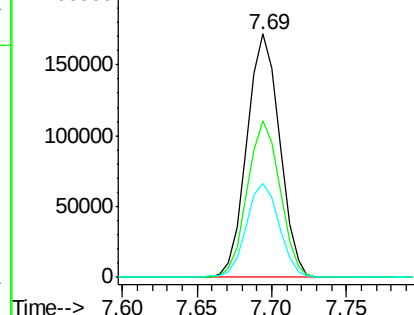
111 38.8 32.6 49.0



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



#14

1,2-Dichlorobenzene

Concen: 38.76 ng

RT: 8.01 min Scan# 906

Delta R.T. 0.00 min

Lab File: BG016525.D

Acq: 18 Apr 2015 15:17

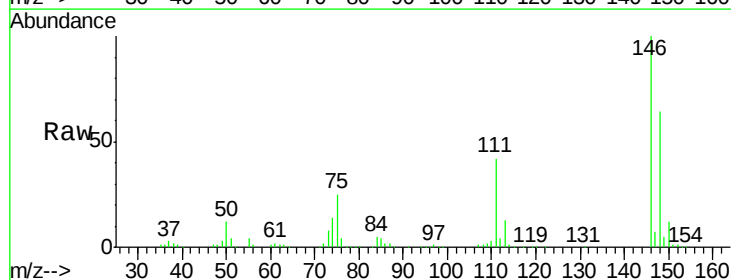
Tgt Ion:146 Resp: 249147

Ion Ratio Lower Upper

146 100

148 63.5 50.9 76.3

111 41.6 34.7 52.1



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

