

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016520.D
 Acq On : 18 Apr 2015 12:23
 Operator : TP/IZ
 Sample : G1868-03MSD
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P5-27MSD

Quant Time: Apr 20 02:38:31 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	79349	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	339013	20.00	ng	0.00
38) Acenaphthene-d10	14.31	164	189322	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	374051	20.00	ng	0.00
75) Chrysene-d12	21.23	240	320906	20.00	ng	0.00
86) Perylene-d12	23.46	264	308052	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	634767	126.25	ng	0.00
7) Phenol-d6	6.85	99	815974	108.11	ng	0.00
23) Nitrobenzene-d5	8.82	82	488803	83.53	ng	0.00
41) 2,4,6-Tribromophenol	15.80	330	167986	131.20	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	978479	88.00	ng	0.00
78) Terphenyl-d14	19.68	244	1071997	78.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	78247	34.23	ng	# 91
3) Pyridine	3.54	79	214936	31.47	ng	96
4) n-Nitrosodimethylamine	3.45	42	72682	35.79	ng	98
6) Aniline	7.00	93	85182	7.90	ng	96
8) 2-Chlorophenol	7.23	128	254557	42.16	ng	95
9) Benzaldehyde	6.80	77	43450	9.83	ng	96
10) Phenol	6.88	94	288855	35.77	ng	99
11) bis(2-Chloroethyl)ether	7.10	93	236831	36.78	ng	98
12) 1,3-Dichlorobenzene	7.55	146	225247	36.94	ng	97
13) 1,4-Dichlorobenzene	7.70	146	232534	36.76	ng	97
14) 1,2-Dichlorobenzene	8.01	146	225553	37.29	ng	99
15) Benzyl Alcohol	7.91	79	190084	36.13	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.19	45	243308	33.55	ng	98
17) 2-Methylphenol	8.12	107	204154	37.70	ng	96
18) Hexachloroethane	8.73	117	85034	35.14	ng	98
19) n-Nitroso-di-n-propylamine	8.46	70	173034	32.00	ng	97
20) 3+4-Methylphenols	8.45	107	276736	36.89	ng	98
22) Acetophenone	8.48	105	329815	41.96	ng	99
24) Nitrobenzene	8.86	77	243317	38.88	ng	93
25) Isophorone	9.38	82	473760	36.45	ng	98
26) 2-Nitrophenol	9.56	139	140868	48.27	ng	96
27) 2,4-Dimethylphenol	9.64	122	236473	43.50	ng	99
28) bis(2-Chloroethoxy)methane	9.86	93	292645	39.45	ng	99
29) 2,4-Dichlorophenol	10.10	162	209024	48.60	ng	97
30) 1,2,4-Trichlorobenzene	10.31	180	196974	43.86	ng	100
31) Naphthalene	10.49	128	719193	40.71	ng	99
32) Benzoic acid	9.79	122	64071	23.51	ng	92
33) 4-Chloroaniline	10.62	127	19567	2.36	ng	94
34) Hexachlorobutadiene	10.78	225	87207	44.21	ng	97
35) Caprolactam	11.39	113	60551	22.36	ng	91
36) 4-Chloro-3-methylphenol	11.76	107	239946	42.23	ng	97
37) 2-Methylnaphthalene	12.11	142	524478	41.27	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.48	216	180892	43.40	ng	99
40) Hexachlorocyclopentadiene	12.46	237	150988	79.14	ng	97

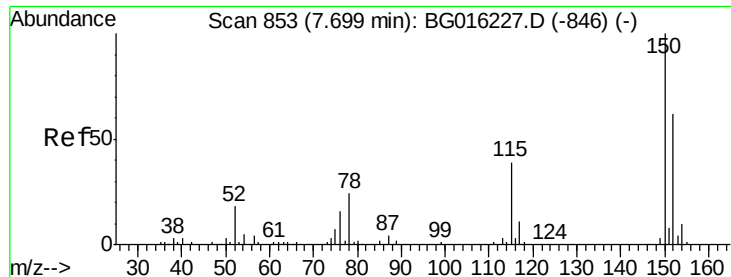
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.74	196	143317	46.27	ng	97
43) 2,4,5-Trichlorophenol	12.82	196	157551	47.61	ng	94
45) 1,1'-Biphenyl	13.14	154	623505	42.93	ng	98
46) 2-Chloronaphthalene	13.17	162	472417	42.70	ng	100
47) 2-Nitroaniline	13.39	65	144947	40.65	ng	93
48) Acenaphthylene	14.02	152	808135	41.08	ng	98
49) Dimethylphthalate	13.77	163	571480	41.19	ng	99
50) 2,6-Dinitrotoluene	13.89	165	146166	43.55	ng	95
51) Acenaphthene	14.37	154	491065	41.77	ng	100
52) 3-Nitroaniline	14.22	138	22663	5.29	ng	90
53) 2,4-Dinitrophenol	14.43	184	69323	40.27	ng	91
54) Dibenzofuran	14.70	168	702279	43.05	ng	99
55) 4-Nitrophenol	14.55	139	226042	63.82	ng	94
56) 2,4-Dinitrotoluene	14.68	165	202682	44.34	ng	91
57) Fluorene	15.35	166	600785	41.74	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.93	232	113672	44.51	ng	95
59) Diethylphthalate	15.13	149	598525	40.52	ng	99
60) 4-Chlorophenyl-phenylether	15.34	204	249102	42.31	ng	98
61) 4-Nitroaniline	15.39	138	171221	35.20	ng	98
62) Azobenzene	15.64	77	607790	38.66	ng	99
64) 4,6-Dinitro-2-methylphenol	15.44	198	73163	29.43	ng	90
65) n-Nitrosodiphenylamine	15.57	169	530634	41.96	ng	98
66) 4-Bromophenyl-phenylether	16.24	248	129265	43.28	ng	97
67) Hexachlorobenzene	16.36	284	130663	42.09	ng	98
68) Atrazine	16.52	200	165200	46.88	ng	99
69) Pentachlorophenol	16.70	266	104192	54.97	ng	97
70) Phenanthrene	17.09	178	882898	41.96	ng	99
71) Anthracene	17.18	178	886898	42.54	ng	99
72) Carbazole	17.45	167	904573	43.23	ng	100
73) Di-n-butylphthalate	18.01	149	1072625	41.89	ng	100
74) Fluoranthene	19.11	202	906703	41.81	ng	97
76) Benzidine	19.30	184	101006	7.42	ng	97
77) Pyrene	19.47	202	937299	41.95	ng	100
79) Butylbenzylphthalate	20.37	149	508399	46.31	ng	98
80) Benzo(a)anthracene	21.21	228	801995	42.29	ng	99
81) 3,3'-Dichlorobenzidine	21.15	252	83409	13.37	ng	97
82) Chrysene	21.26	228	768160	41.95	ng	99
83) Bis(2-ethylhexyl)phthalate	21.14	149	701097	47.17	ng	98
84) Di-n-octyl phthalate	22.01	149	1170386	48.33	ng	98
85) Indeno(1,2,3-cd)pyrene	25.73	276	856961	45.05	ng	99
87) Benzo(b)fluoranthene	22.78	252	774142	42.91	ng	98
88) Benzo(k)fluoranthene	22.83	252	751198	42.55	ng	99
89) Benzo(a)pyrene	23.36	252	750737	44.40	ng	100
90) Dibenzo(a,h)anthracene	25.74	278	717450	43.60	ng	98
91) Benzo(g,h,i)perylene	26.43	276	727102	44.24	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 846

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA_G

ClientSampleId :

P5-27MSD

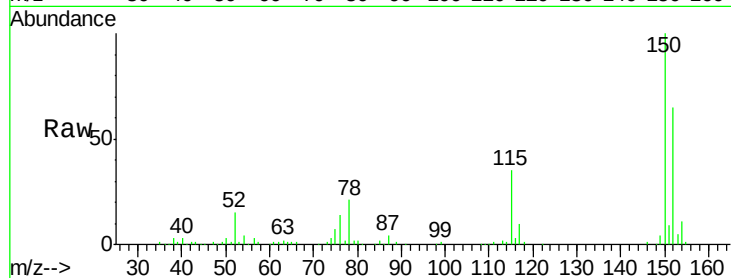
Tgt Ion:152 Resp: 79349

Ion Ratio Lower Upper

152 100

150 153.7 130.1 195.1

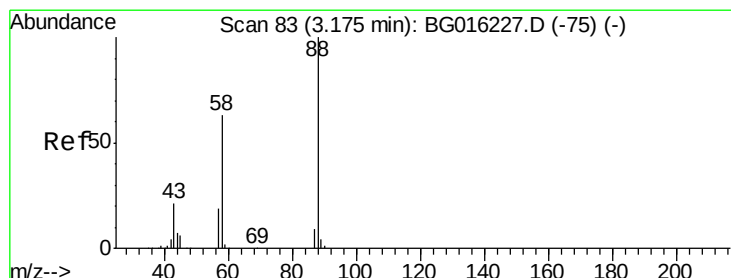
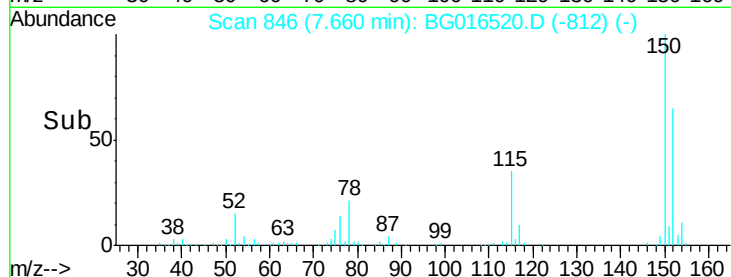
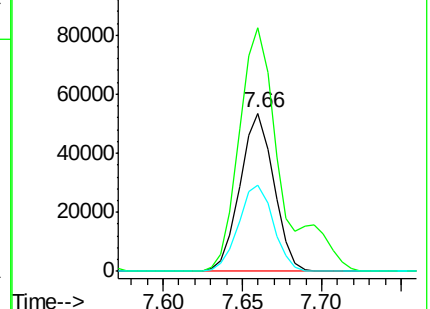
115 54.4 50.5 75.7



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: 34.23 ng

RT: 3.15 min Scan# 78

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

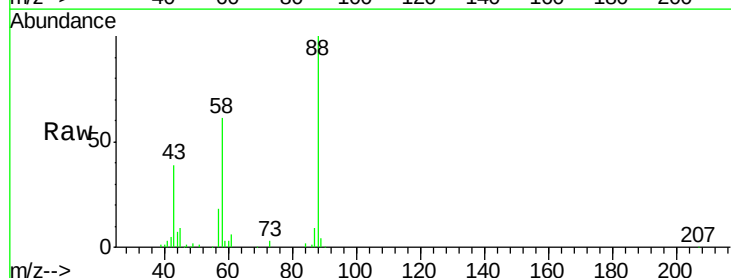
Tgt Ion: 88 Resp: 78247

Ion Ratio Lower Upper

88 100

58 61.8 50.6 76.0

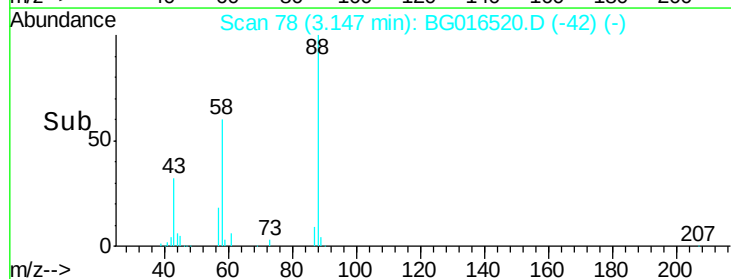
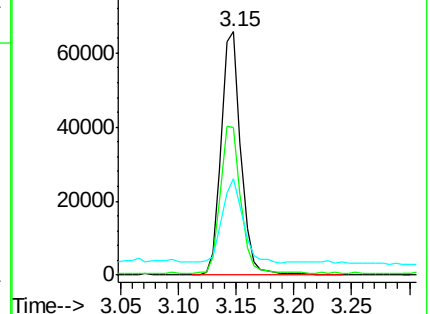
43 35.8 17.0 25.4#

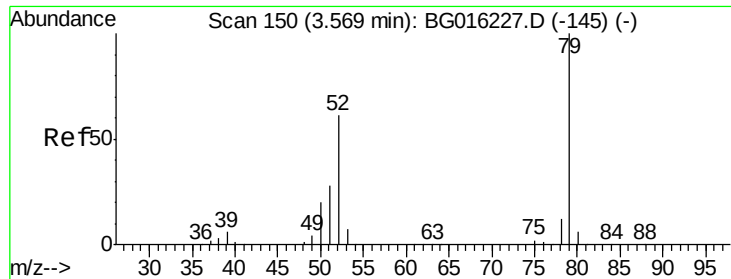


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 31.47 ng

RT: 3.54 min Scan# 145

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA_G

ClientSampleId :

P5-27MSD

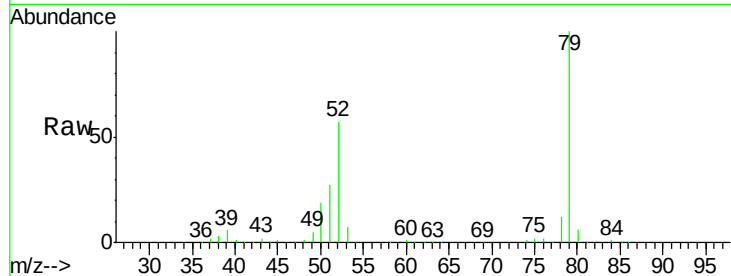
Tgt Ion: 79 Resp: 214936

Ion Ratio Lower Upper

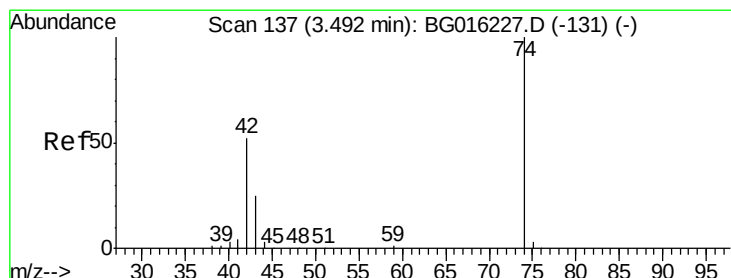
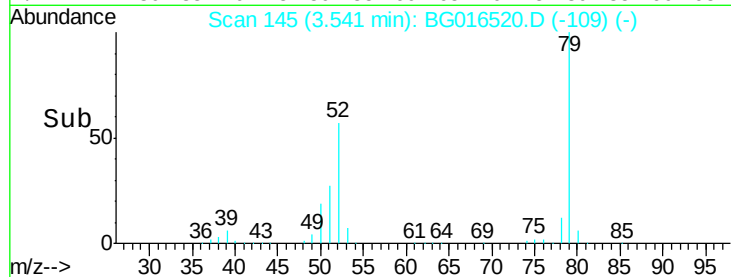
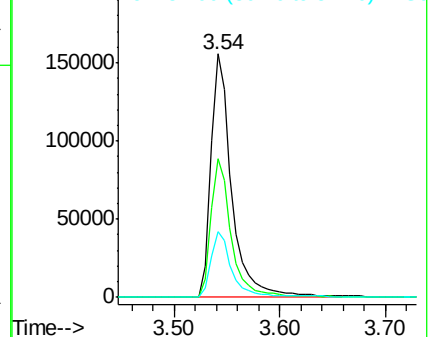
79 100

52 57.1 49.0 73.4

51 26.8 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: 35.79 ng

RT: 3.45 min Scan# 130

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

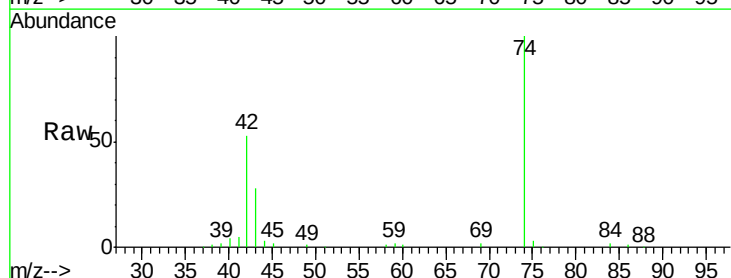
Tgt Ion: 42 Resp: 72682

Ion Ratio Lower Upper

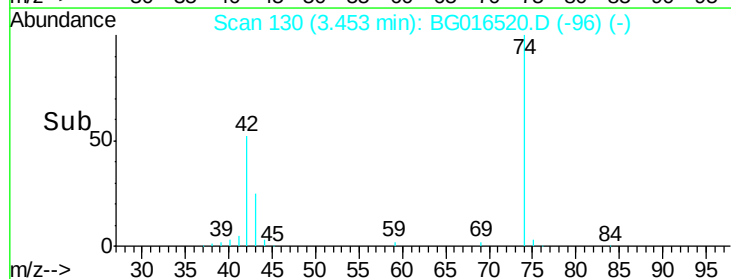
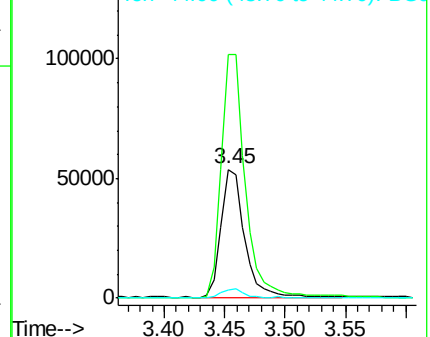
42 100

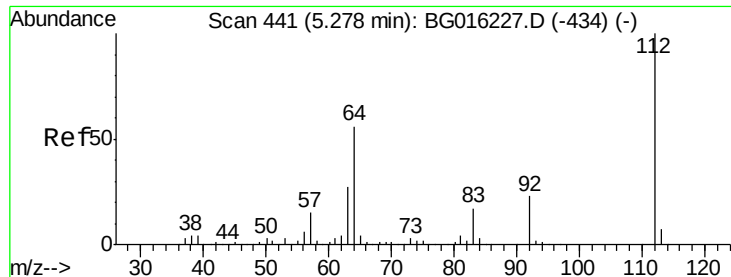
74 188.9 153.7 230.5

44 6.5 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: 126.25 ng

RT: 5.26 min Scan# 437

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

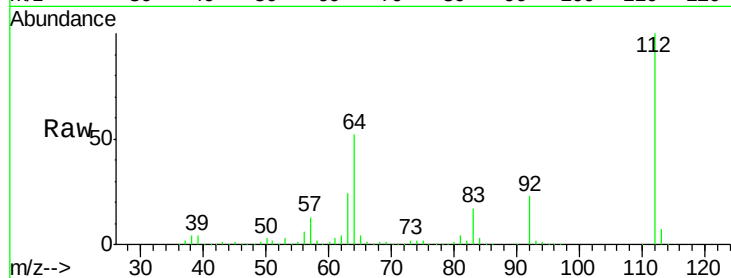
Instrument :

BNA_G

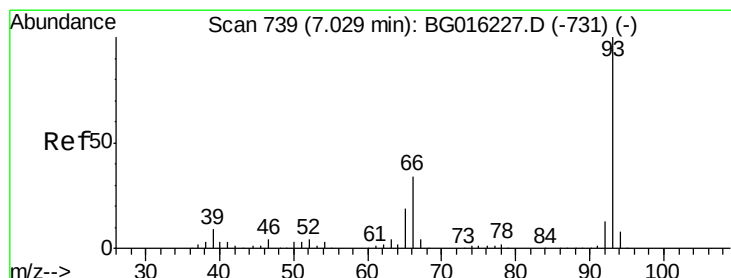
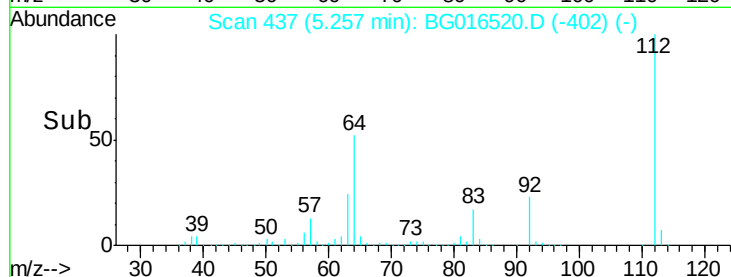
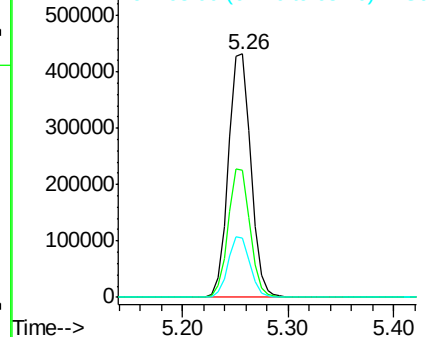
ClientSampled :

P5-27MSD

Tgt Ion:	112	Resp:	634767
Ion	Ratio	Lower	Upper
112	100		
64	52.0	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: 7.90 ng

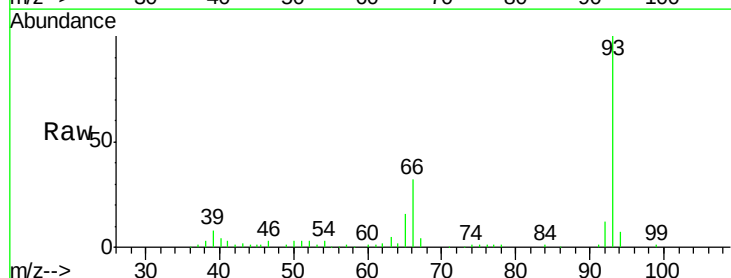
RT: 7.00 min Scan# 733

Delta R.T. 0.00 min

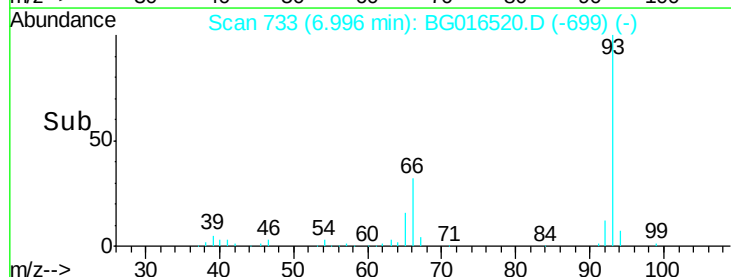
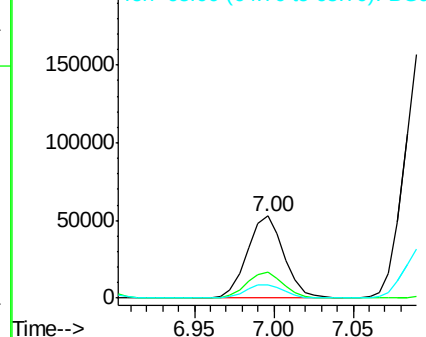
Lab File: BG016520.D

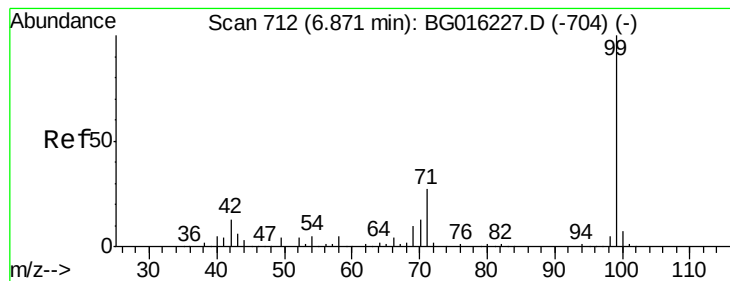
Acq: 18 Apr 2015 12:23

Tgt Ion:	93	Resp:	85182
Ion	Ratio	Lower	Upper
93	100		
66	32.4	27.5	41.3
65	16.2	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: 108.11 ng

RT: 6.85 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA_G

ClientSampleId :

P5-27MSD

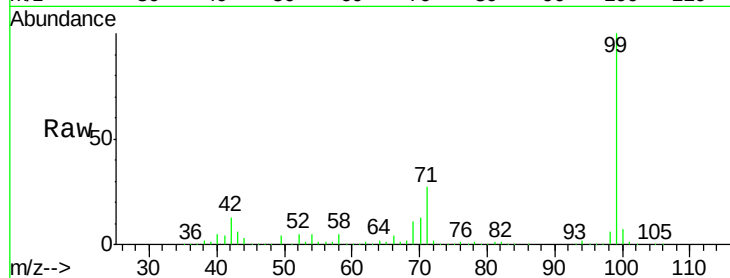
Tgt Ion: 99 Resp: 815974

Ion Ratio Lower Upper

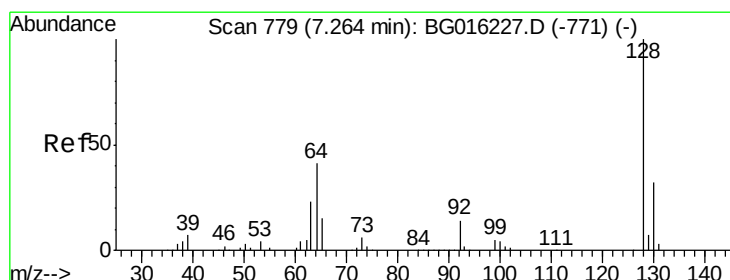
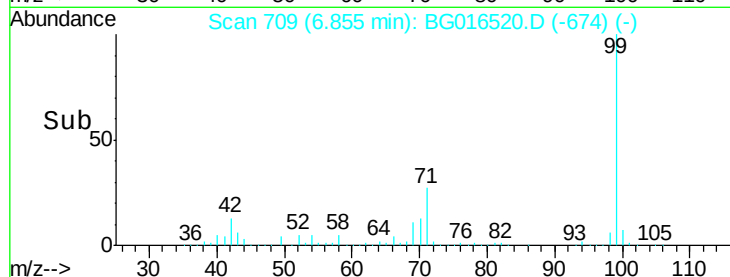
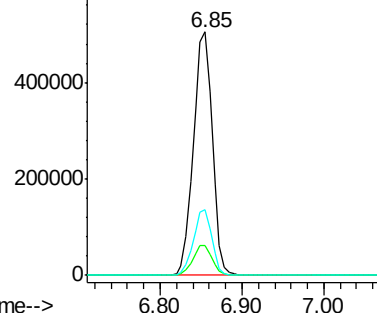
99 100

42 12.5 10.0 15.0

71 27.0 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: 42.16 ng

RT: 7.23 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

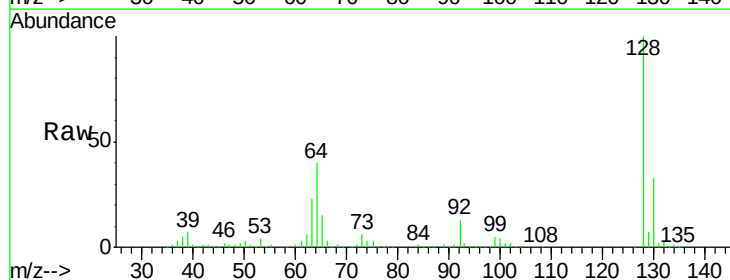
Tgt Ion: 128 Resp: 254557

Ion Ratio Lower Upper

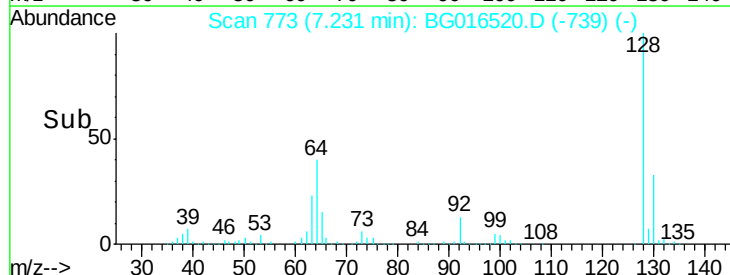
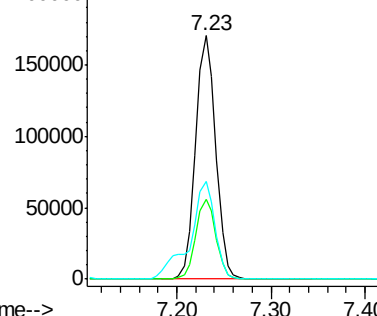
128 100

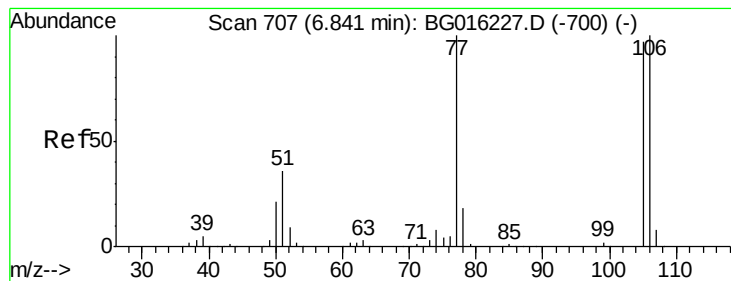
130 32.6 11.6 51.6

64 40.0 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: 9.83 ng

RT: 6.80 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA_G

ClientSampleId :

P5-27MSD

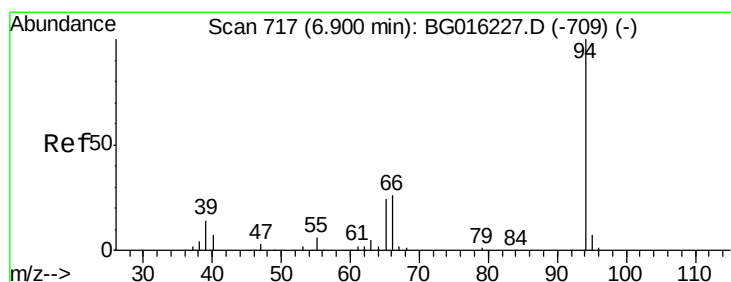
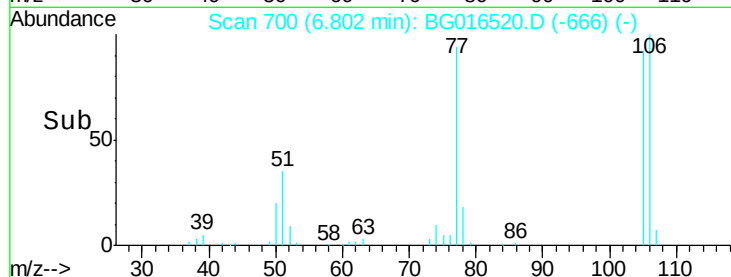
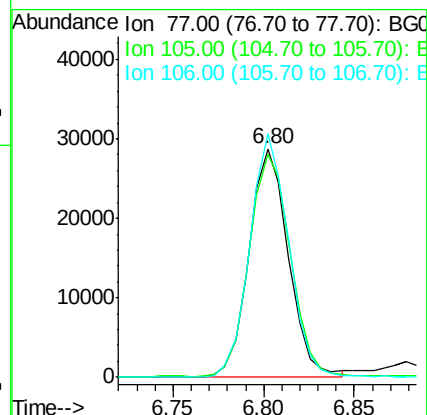
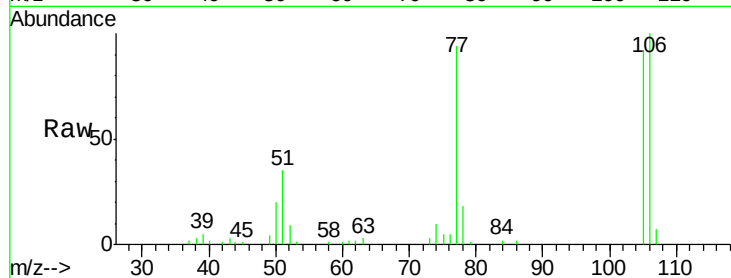
Tgt Ion: 77 Resp: 43450

Ion Ratio Lower Upper

77 100

105 97.7 76.8 116.8

106 106.4 80.1 120.1



#10

Phenol

Concen: 35.77 ng

RT: 6.88 min Scan# 713

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

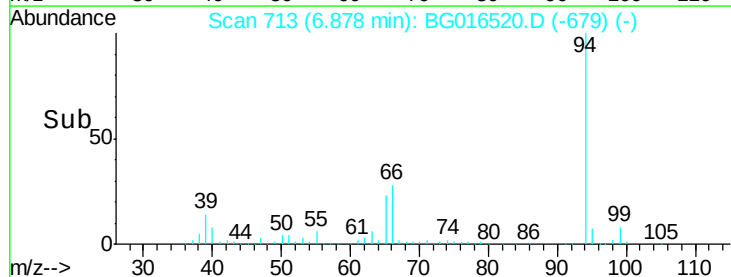
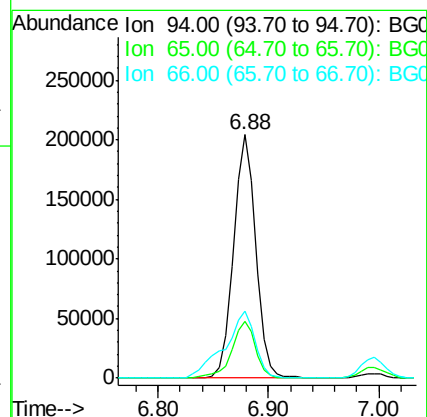
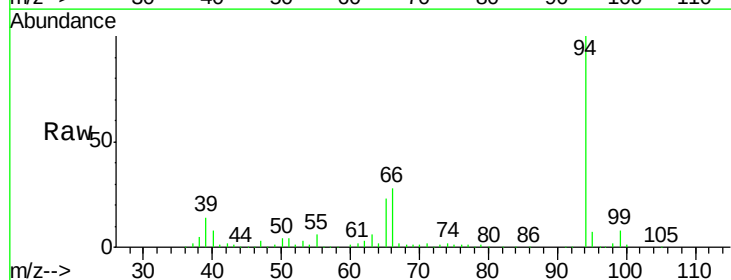
Tgt Ion: 94 Resp: 288855

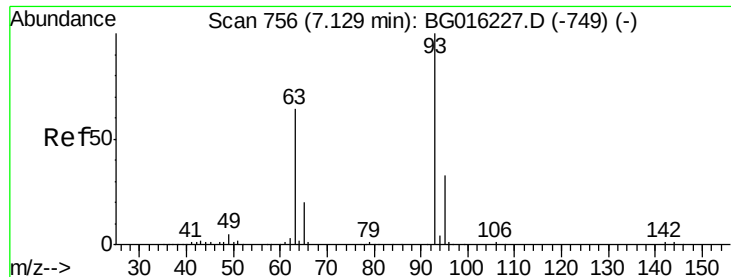
Ion Ratio Lower Upper

94 100

65 23.4 3.8 43.8

66 27.6 7.4 47.4





#11

bis(2-Chloroethyl)ether

Concen: 36.78 ng

RT: 7.10 min Scan# 750

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA_G

ClientSampleId :

P5-27MSD

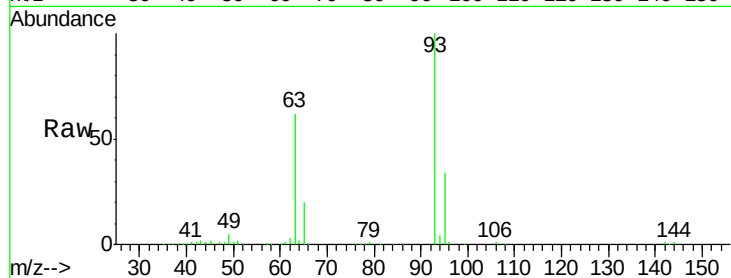
Tgt Ion: 93 Resp: 236831

Ion Ratio Lower Upper

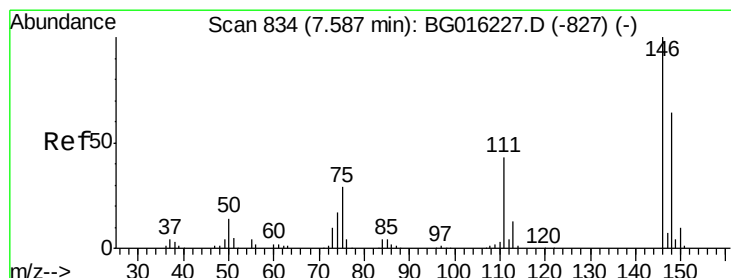
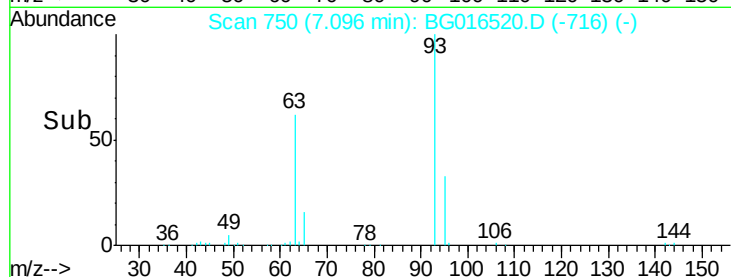
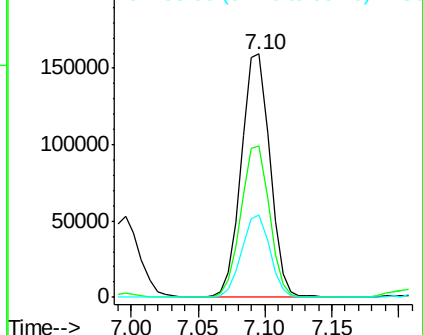
93 100

63 62.4 44.1 84.1

95 34.0 12.5 52.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 36.94 ng

RT: 7.55 min Scan# 827

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

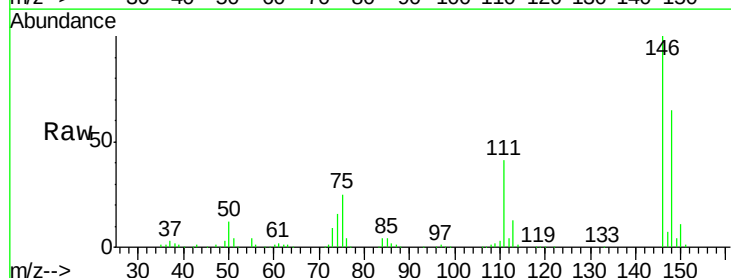
Tgt Ion: 146 Resp: 225247

Ion Ratio Lower Upper

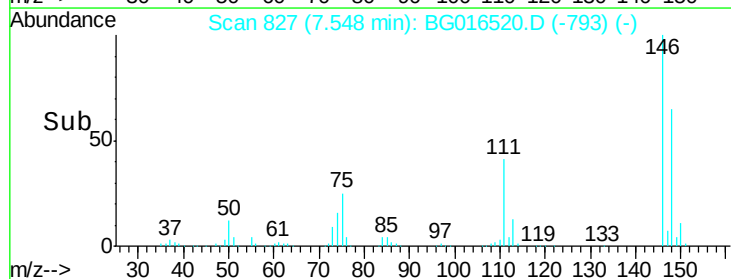
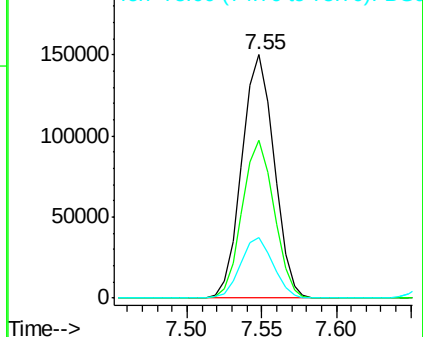
146 100

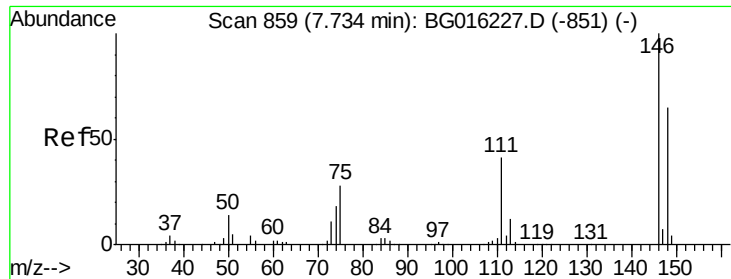
148 64.7 50.9 76.3

75 24.8 23.3 34.9



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

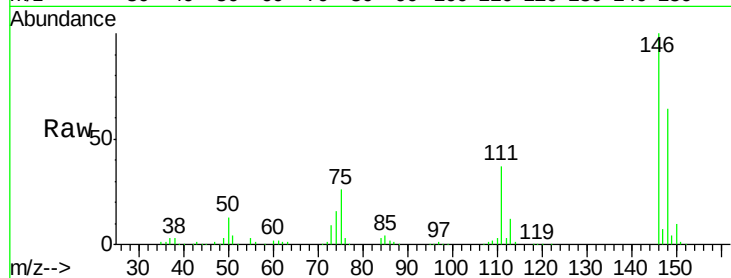




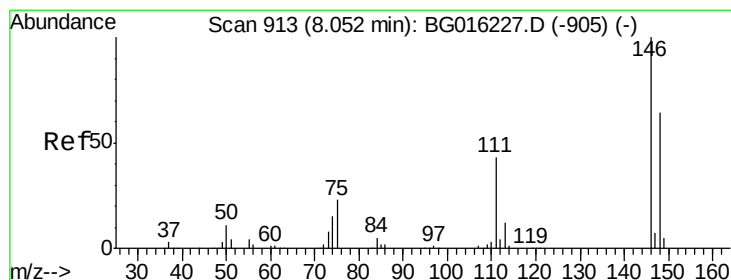
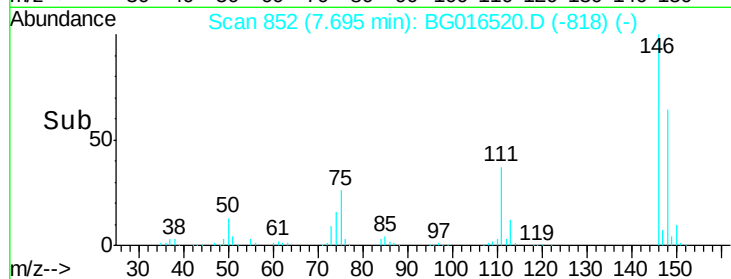
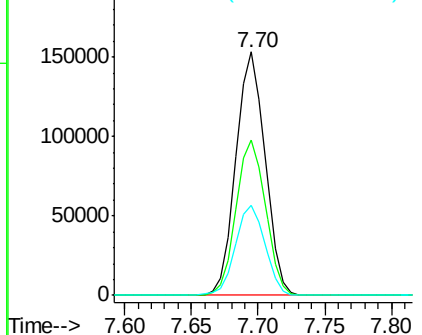
#13
 1,4-Dichlorobenzene
 Concen: 36.76 ng
 RT: 7.70 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BG016520.D
 Acq: 18 Apr 2015 12:23

Instrument :
 BNA_G
 ClientSampleId :
 P5-27MSD

Tgt Ion:146 Resp: 232534
 Ion Ratio Lower Upper
 146 100
 148 63.7 52.0 78.0
 111 36.9 32.6 49.0

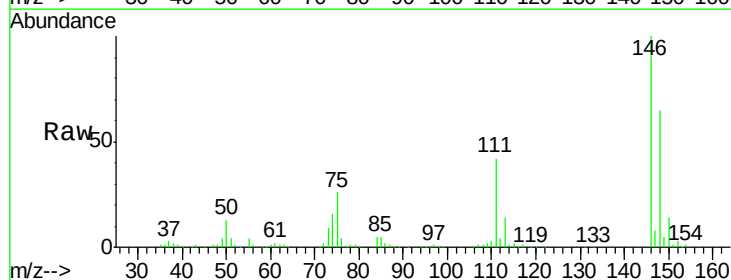


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 37.29 ng
 RT: 8.01 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BG016520.D
 Acq: 18 Apr 2015 12:23

Tgt Ion:146 Resp: 225553
 Ion Ratio Lower Upper
 146 100
 148 64.7 50.9 76.3
 111 42.4 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

