

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071816\
 Data File : BG023163.D
 Acq On : 18 Jul 2016 17:53
 Operator : UM/SJ
 Sample : PB92133BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB92133BS

Quant Time: Jul 19 01:02:45 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	115631	20.00	ng	-0.05
21) Naphthalene-d8	10.93	136	559870	20.00	ng	-0.05
38) Acenaphthene-d10	14.74	164	431970	20.00	ng	-0.05
63) Phenanthrene-d10	17.48	188	982193	20.00	ng	-0.08
75) Chrysene-d12	21.75	240	985976	20.00	ng	-0.09
86) Perylene-d12	25.03	264	961307	20.00	ng	-0.15

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	897630	126.96	ng	-0.03
7) Phenol-d6	7.27	99	1405332	126.91	ng	-0.04
23) Nitrobenzene-d5	9.28	82	1032601	78.97	ng	-0.05
41) 2,4,6-Tribromophenol	16.23	330	708792	91.30	ng	-0.06
44) 2-Fluorobiphenyl	13.37	172	2072179	75.56	ng	-0.05
78) Terphenyl-d14	20.07	244	2815312	94.48	ng	-0.08

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	123276	44.86	ng	93
3) Pyridine	3.94	79	289092	30.74	ng	97
4) n-Nitrosodimethylamine	3.85	42	148837	36.89	ng	# 84
6) Aniline	7.43	93	481219	31.36	ng	97
8) 2-Chlorophenol	7.68	128	344673	45.81	ng	95
9) Benzaldehyde	7.24	77	270229	36.52	ng	91
10) Phenol	7.29	94	517645	45.43	ng	90
11) bis(2-Chloroethyl)ether	7.52	93	358088	39.65	ng	93
12) 1,3-Dichlorobenzene	7.99	146	346887	37.66	ng	96
13) 1,4-Dichlorobenzene	8.15	146	362987	39.37	ng	95
14) 1,2-Dichlorobenzene	8.47	146	353420	38.56	ng	91
15) Benzyl Alcohol	8.35	79	463286	45.68	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.64	45	473455	42.92	ng	97
17) 2-Methylphenol	8.55	107	342226	46.14	ng	95
18) Hexachloroethane	9.20	117	149143	38.32	ng	99
19) n-Nitroso-di-n-propylamine	8.91	70	385713	38.64	ng	98
20) 3+4-Methylphenols	8.88	107	483815	46.78	ng	96
22) Acetophenone	8.93	105	621237	36.97	ng	# 94
24) Nitrobenzene	9.33	77	560060	40.31	ng	95
25) Isophorone	9.84	82	1016538	38.65	ng	97
26) 2-Nitrophenol	10.04	139	215433	39.52	ng	# 88
27) 2,4-Dimethylphenol	10.09	122	386382	41.00	ng	89
28) bis(2-Chloroethoxy)methane	10.33	93	566259	38.61	ng	99
29) 2,4-Dichlorophenol	10.58	162	435498	43.33	ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	437439	37.98	ng	96
31) Naphthalene	10.98	128	1140400	40.01	ng	99
32) Benzoic acid	10.23	122	233668	27.25	ng	92
33) 4-Chloroaniline	11.09	127	263934	18.94	ng	95
34) Hexachlorobutadiene	11.26	225	315705	33.81	ng	95
35) Caprolactam	11.87	113	116629	28.20	ng	94
36) 4-Chloro-3-methylphenol	12.21	107	544521	39.61	ng	93
37) 2-Methylnaphthalene	12.58	142	923117	40.98	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	578948	31.10	ng	99
40) Hexachlorocyclopentadiene	12.92	237	471424	43.99	ng	99

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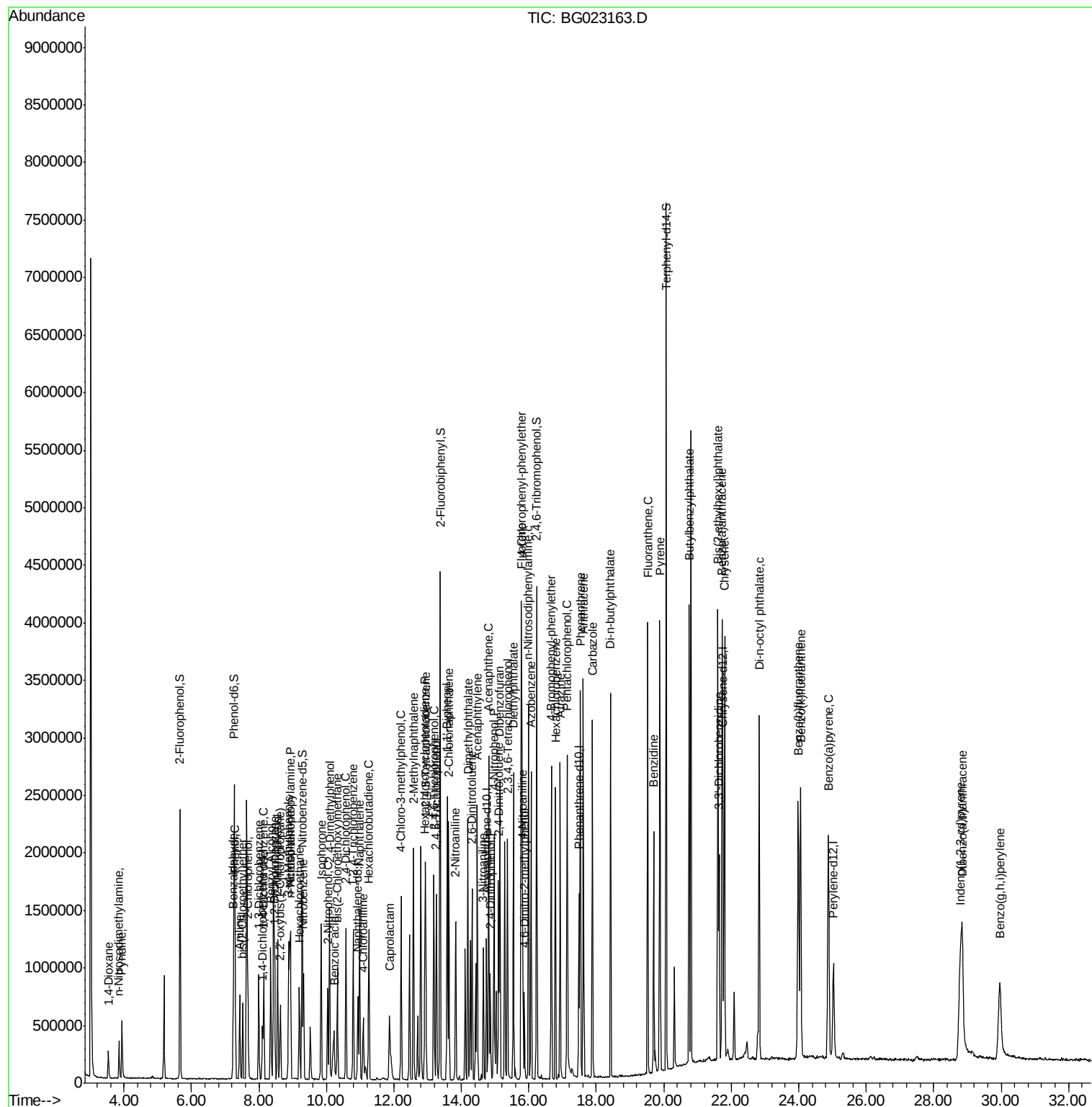
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.19	196	414346	38.73	ng	97
43) 2,4,5-Trichlorophenol	13.26	196	429616	39.10	ng	95
45) 1,1'-Biphenyl	13.58	154	1262811	38.96	ng	96
46) 2-Chloronaphthalene	13.63	162	1053442	40.07	ng	97
47) 2-Nitroaniline	13.83	65	460106	41.01	ng	98
48) Acenaphthylene	14.47	152	1565830	39.70	ng	97
49) Dimethylphthalate	14.19	163	1327668	37.63	ng	98
50) 2,6-Dinitrotoluene	14.32	165	314182	39.62	ng	# 82
51) Acenaphthene	14.81	154	1027503	39.87	ng	98
52) 3-Nitroaniline	14.65	138	239245	30.26	ng	89
53) 2,4-Dinitrophenol	14.86	184	193903	35.64	ng	96
54) Dibenzofuran	15.14	168	1622239	42.05	ng	98
55) 4-Nitrophenol	14.97	139	505666	76.29	ng	94
56) 2,4-Dinitrotoluene	15.10	165	450380	38.96	ng	97
57) Fluorene	15.79	166	1317241	39.67	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.37	232	429702	39.09	ng	96
59) Diethylphthalate	15.54	149	1389584	38.70	ng	97
60) 4-Chlorophenyl-phenylether	15.77	204	729067	36.05	ng	99
61) 4-Nitroaniline	15.81	138	325297	38.02	ng	# 85
62) Azobenzene	16.07	77	1604035	46.71	ng	94
64) 4,6-Dinitro-2-methylphenol	15.87	198	168399	23.07	ng	95
65) n-Nitrosodiphenylamine	15.99	169	1229621	43.45	ng	96
66) 4-Bromophenyl-phenylether	16.67	248	483780	37.86	ng	100
67) Hexachlorobenzene	16.79	284	509702	36.68	ng	97
68) Atrazine	16.93	200	499061	39.76	ng	97
69) Pentachlorophenol	17.14	266	565825	62.88	ng	97
70) Phenanthrene	17.53	178	2036666	42.31	ng	98
71) Anthracene	17.62	178	2081978	42.71	ng	97
72) Carbazole	17.89	167	1838535	43.65	ng	98
73) Di-n-butylphthalate	18.42	149	2157051	46.05	ng	99
74) Fluoranthene	19.53	202	2281332	38.62	ng	96
76) Benzidine	19.70	184	1262365	44.66	ng	100
77) Pyrene	19.88	202	2310513	41.70	ng	98
79) Butylbenzylphthalate	20.75	149	1092816	49.80	ng	98
80) Benzo(a)anthracene	21.73	228	2356731	42.72	ng	98
81) 3,3'-Dichlorobenzidine	21.64	252	656174	27.10	ng	99
82) Chrysene	21.80	228	2204521	42.60	ng	96
83) Bis(2-ethylhexyl)phthalate	21.61	149	1468518	48.19	ng	# 98
84) Di-n-octyl phthalate	22.83	149	2398588	47.20	ng	99
85) Indeno(1,2,3-cd)pyrene	28.79	276	2271605	34.43	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	2436415	43.93	ng	# 98
88) Benzo(k)fluoranthene	24.06	252	2299520	43.69	ng	# 96
89) Benzo(a)pyrene	24.88	252	2333005	43.88	ng	# 98
90) Dibenzo(a,h)anthracene	28.84	278	1970018	37.33	ng	# 94
91) Benzo(g,h,i)perylene	29.97	276	1767230	33.44	ng	# 95

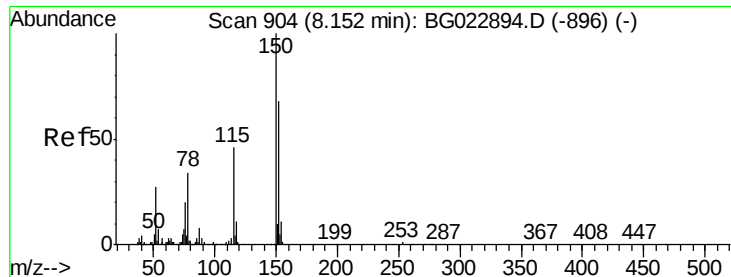
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.10 min Scan# 896

Delta R.T. -0.05 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

Instrument :

BNA_G

ClientSampleId :

PB92133BS

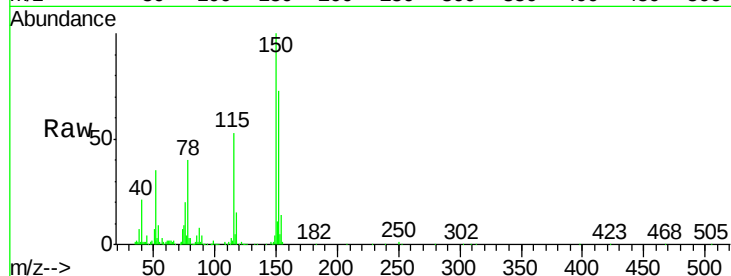
Tgt Ion:152 Resp: 115631

Ion Ratio Lower Upper

152 100

150 137.5 144.7 217.1#

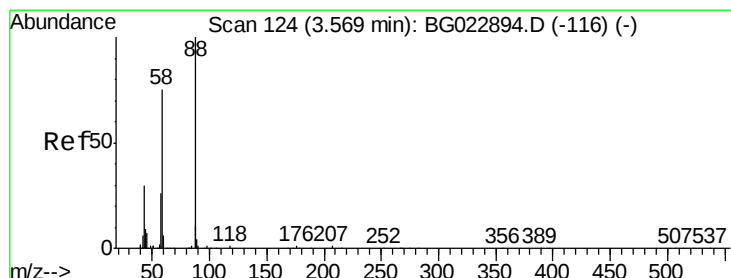
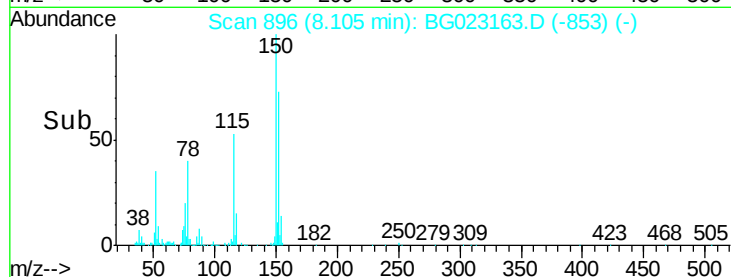
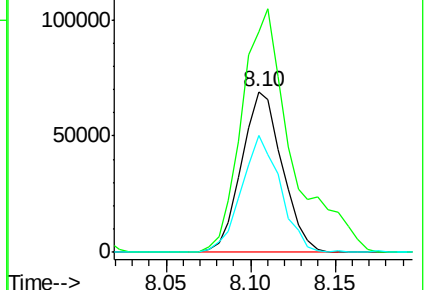
115 72.7 64.0 96.0



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



#2

1,4-Dioxane

Concen: 44.86 ng

RT: 3.54 min Scan# 119

Delta R.T. -0.03 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

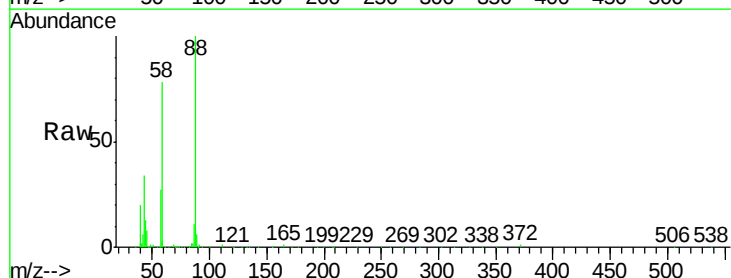
Tgt Ion: 88 Resp: 123276

Ion Ratio Lower Upper

88 100

58 82.5 60.4 90.6

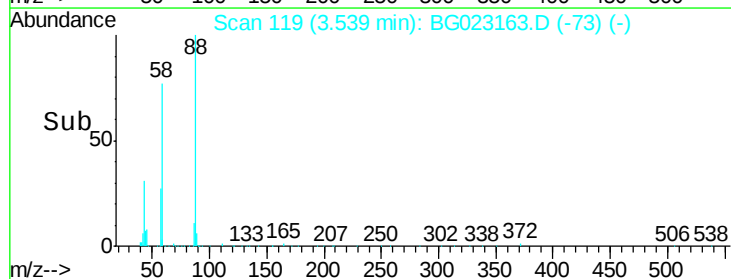
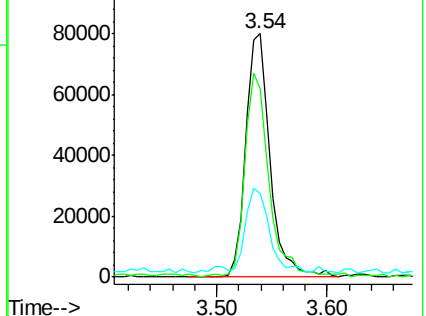
43 36.1 31.1 46.7

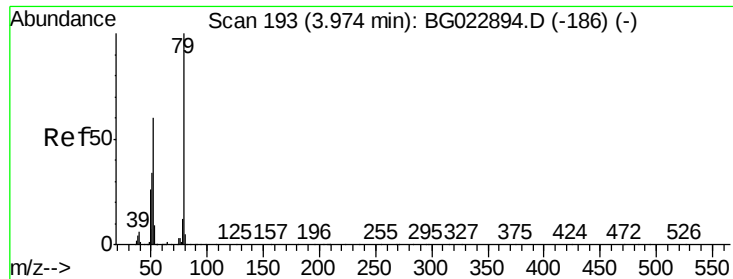


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 30.74 ng

RT: 3.94 min Scan# 187

Delta R.T. -0.04 min

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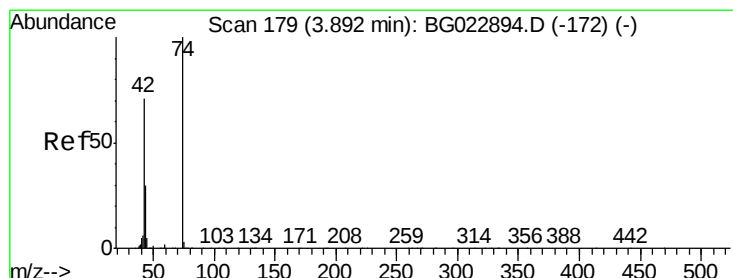
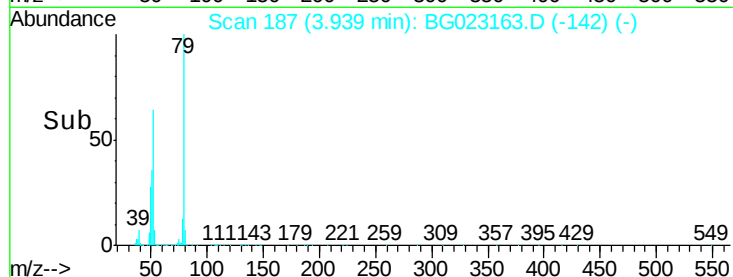
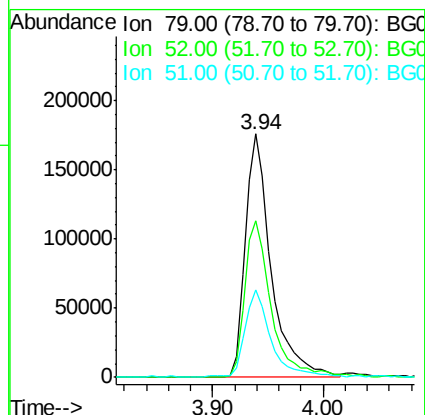
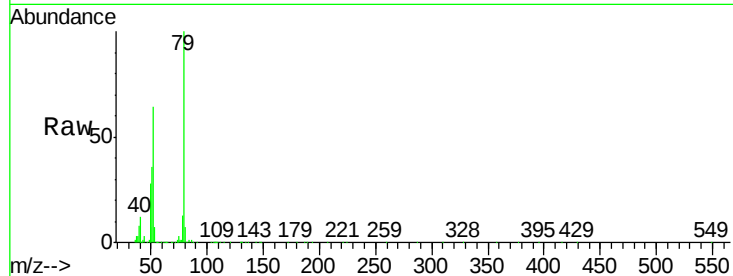
Tgt Ion: 79 Resp: 289092

Ion Ratio Lower Upper

79 100

52 64.4 51.8 77.8

51 36.1 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 36.89 ng

RT: 3.85 min Scan# 172

Delta R.T. -0.04 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

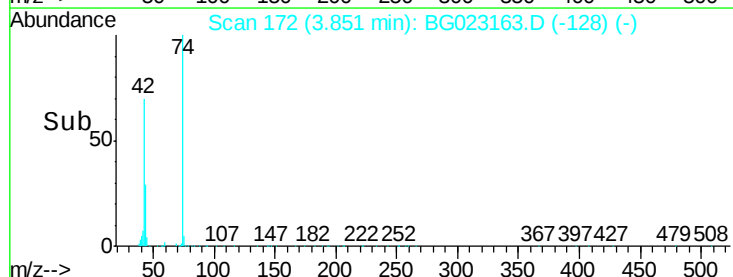
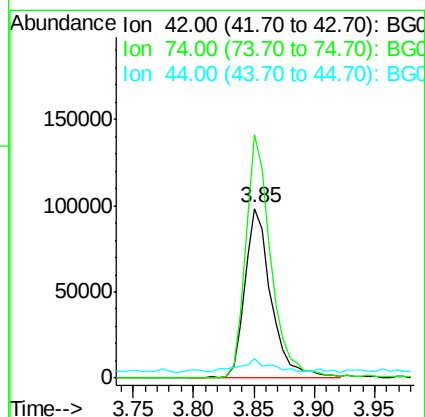
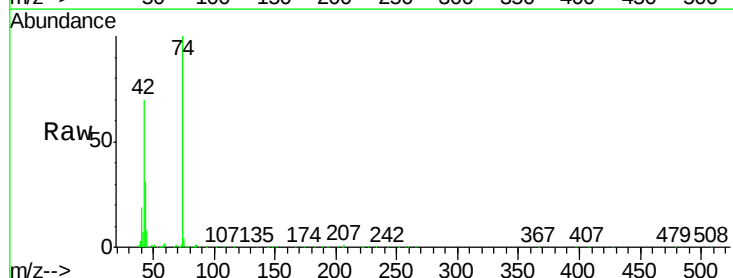
Tgt Ion: 42 Resp: 148837

Ion Ratio Lower Upper

42 100

74 143.4 100.6 150.8

44 11.4 4.5 6.7#





#5

2-Fluorophenol

Concen: 126.96 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.03 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

Instrument :

BNA_G

ClientSampleId :

PB92133BS

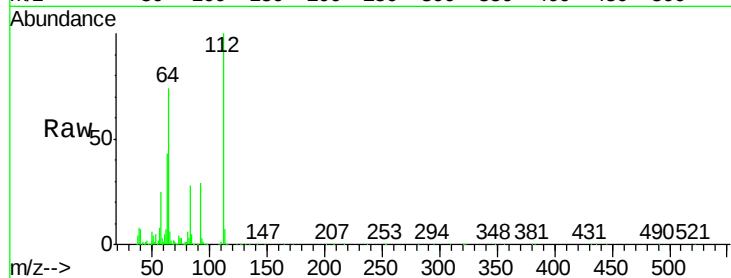
Tgt Ion: 112 Resp: 897630

Ion Ratio Lower Upper

112 100

64 74.5 59.0 88.4

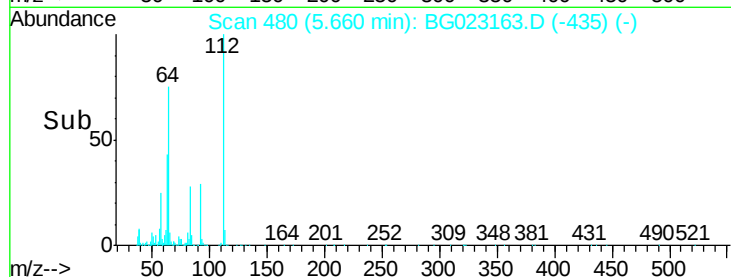
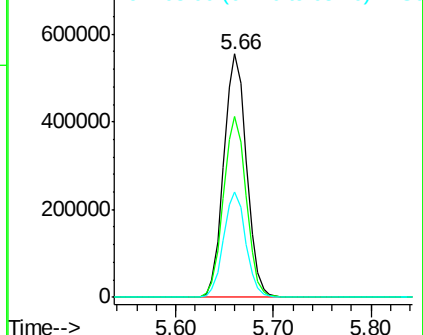
63 43.1 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 31.36 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.04 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

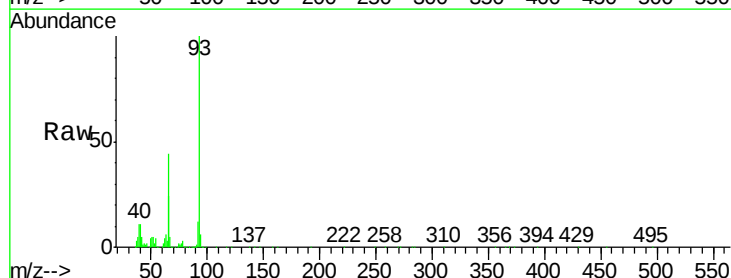
Tgt Ion: 93 Resp: 481219

Ion Ratio Lower Upper

93 100

66 44.4 37.5 56.3

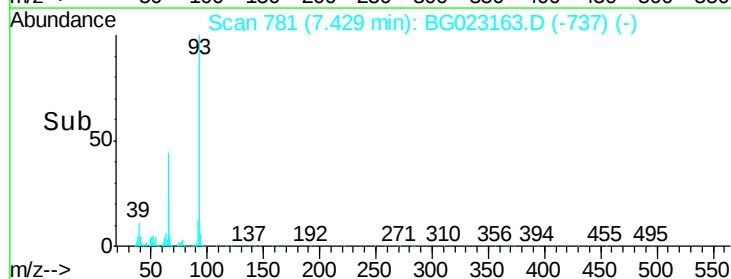
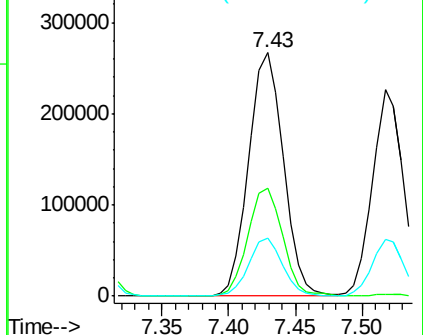
65 23.8 17.9 26.9

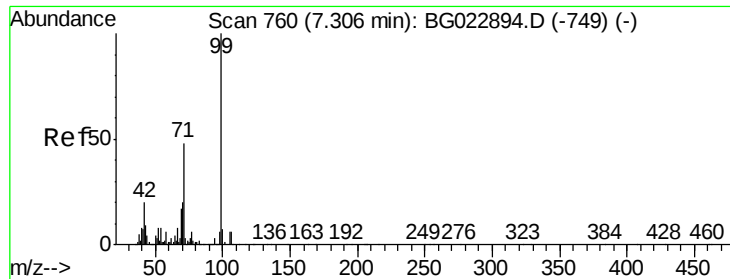


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 126.91 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.04 min

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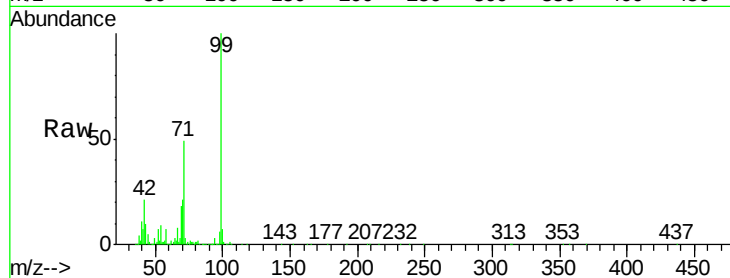
Tgt Ion: 99 Resp: 1405332

Ion Ratio Lower Upper

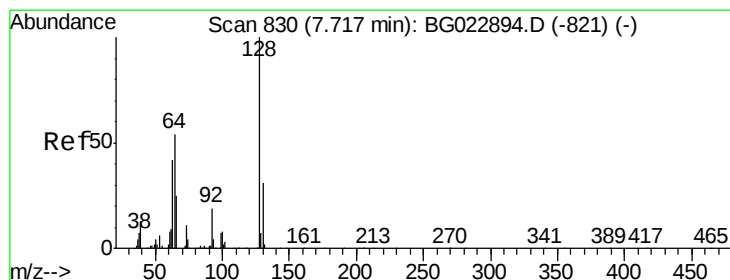
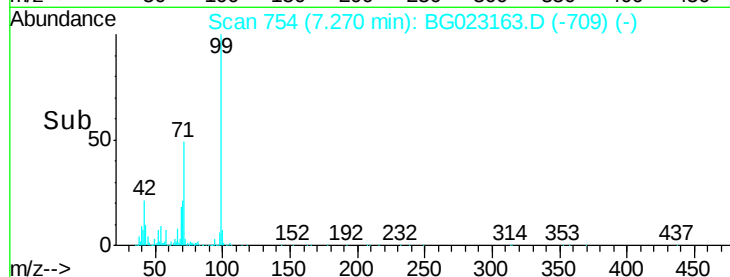
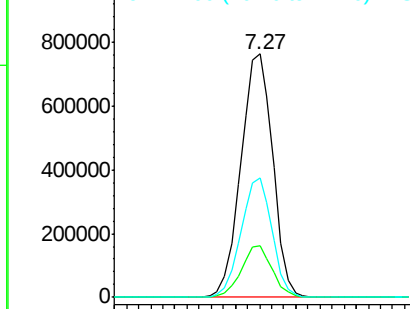
99 100

42 21.0 17.8 26.6

71 49.0 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: 45.81 ng

RT: 7.68 min Scan# 823

Delta R.T. -0.04 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

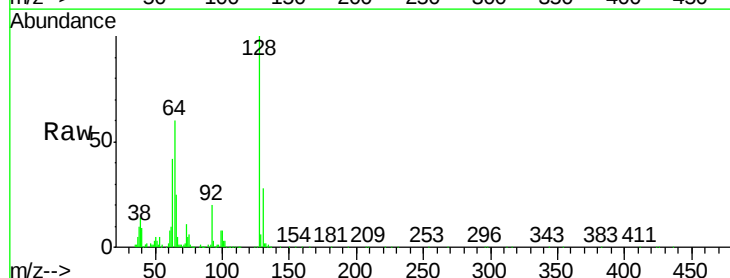
Tgt Ion: 128 Resp: 344673

Ion Ratio Lower Upper

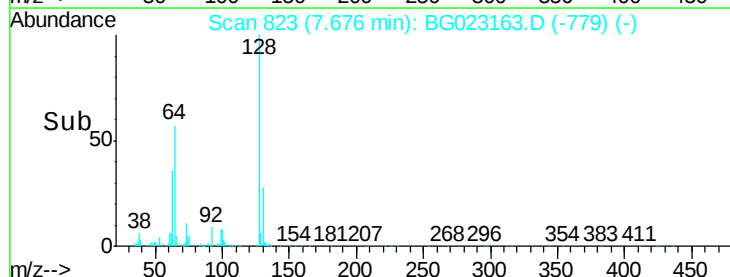
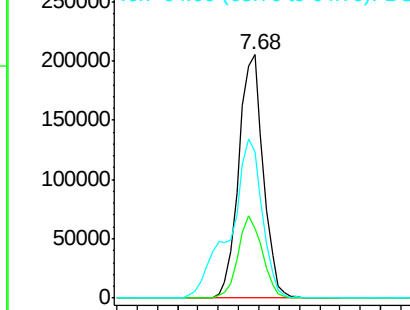
128 100

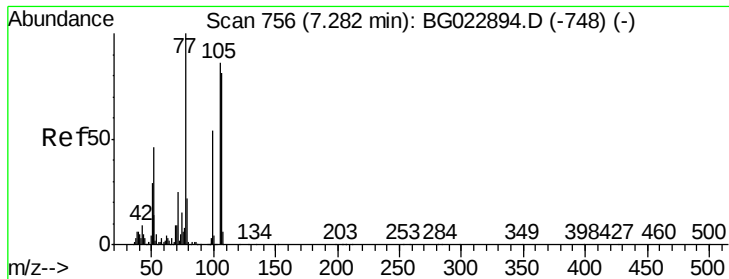
130 28.4 12.9 52.9

64 59.9 42.0 82.0



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: 36.52 ng

RT: 7.24 min Scan# 749

Delta R.T. -0.04 min

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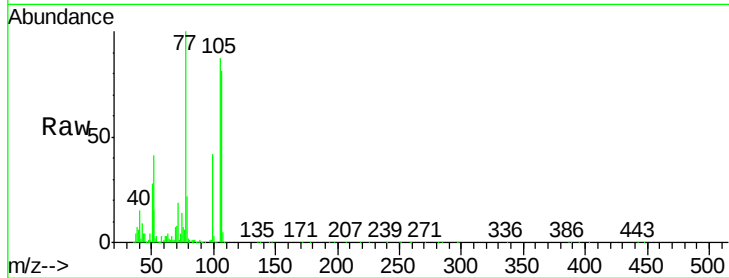
Tgt Ion: 77 Resp: 270229

Ion Ratio Lower Upper

77 100

105 87.2 58.7 98.7

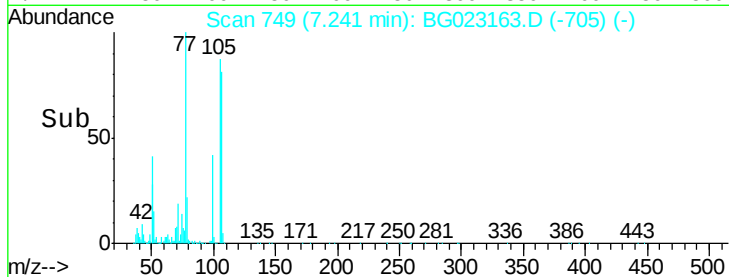
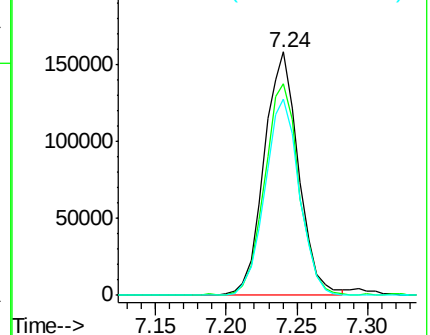
106 80.6 67.5 107.5



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: 45.43 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.04 min

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Acq: 18 Jul 2016 17:53

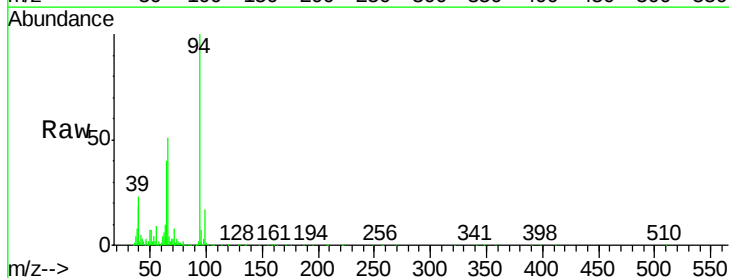
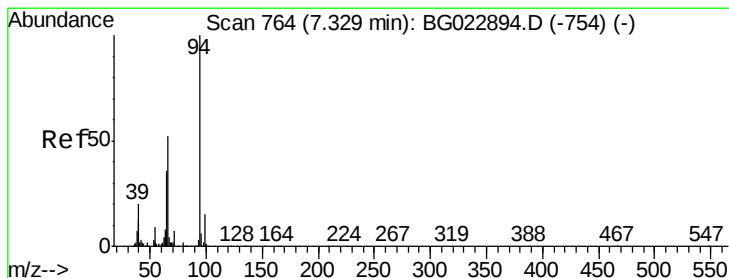
Tgt Ion: 94 Resp: 517645

Ion Ratio Lower Upper

94 100

65 39.6 18.1 58.1

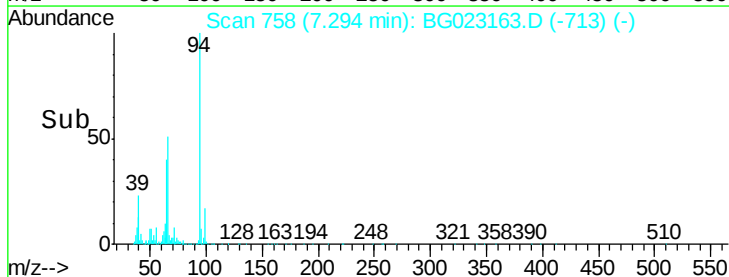
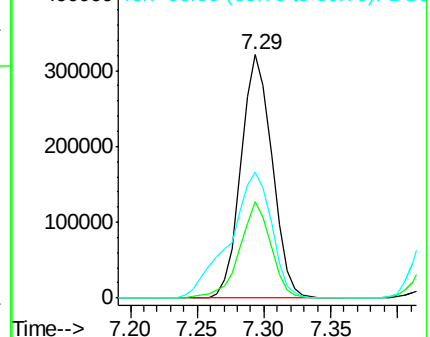
66 51.4 42.1 82.1



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

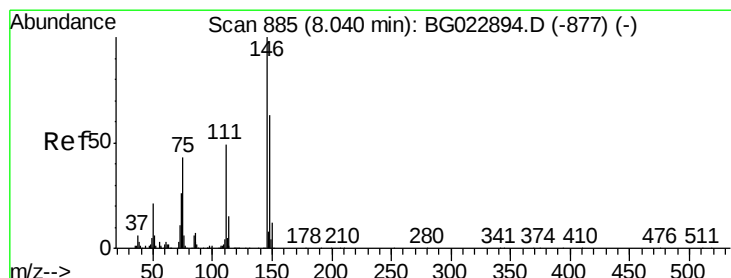
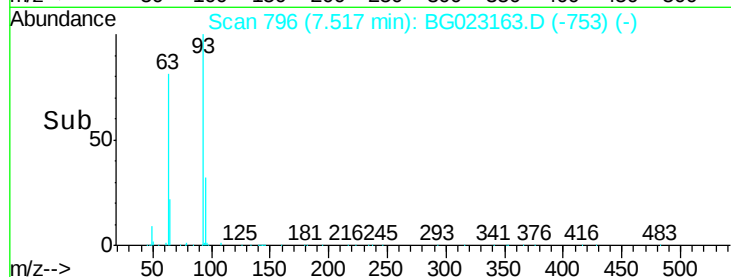
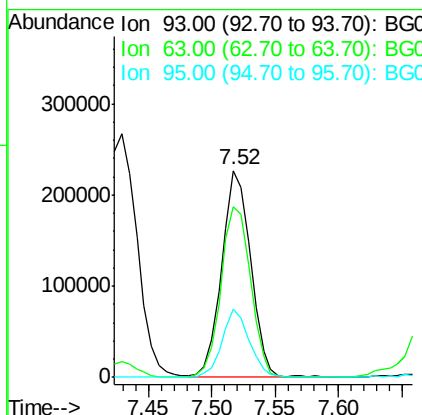
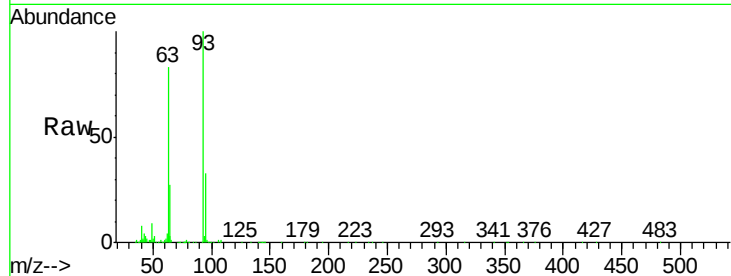




#11
bis(2-Chloroethyl)ether
Concen: 39.65 ng
RT: 7.52 min Scan# 796
Delta R.T. -0.05 min
Lab File: BG023163.D
Acq: 18 Jul 2016 17:53

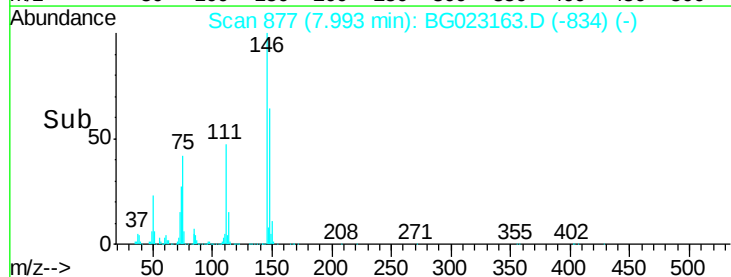
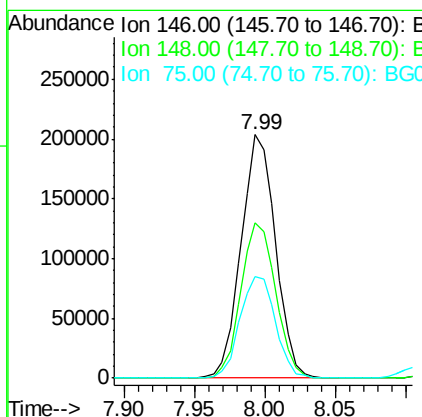
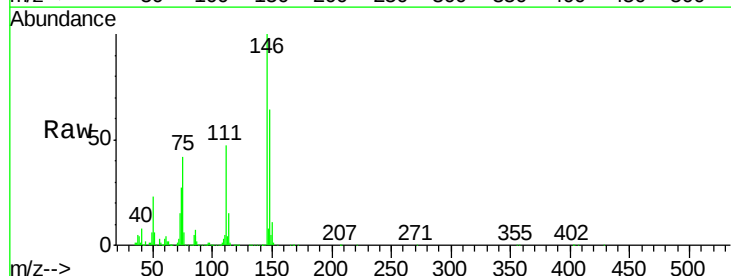
Instrument :
BNA_G
ClientSampleId :
PB92133BS

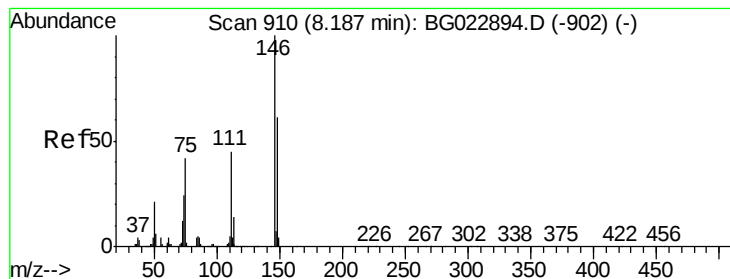
Tgt Ion: 93 Resp: 358088
Ion Ratio Lower Upper
93 100
63 82.7 55.0 95.0
95 32.7 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 37.66 ng
RT: 7.99 min Scan# 877
Delta R.T. -0.05 min
Lab File: BG023163.D
Acq: 18 Jul 2016 17:53

Tgt Ion: 146 Resp: 346887
Ion Ratio Lower Upper
146 100
148 63.7 50.3 75.5
75 41.8 37.0 55.6





#13

1,4-Dichlorobenzene

Concen: 39.37 ng

RT: 8.15 min Scan# 903

Delta R.T. -0.04 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

Instrument :

BNA_G

ClientSampleId :

PB92133BS

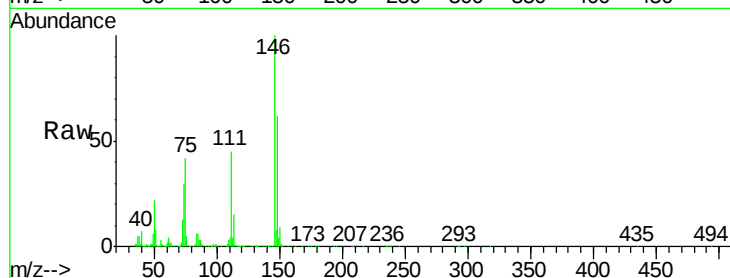
Tgt Ion:146 Resp: 362987

Ion Ratio Lower Upper

146 100

148 62.5 54.5 81.7

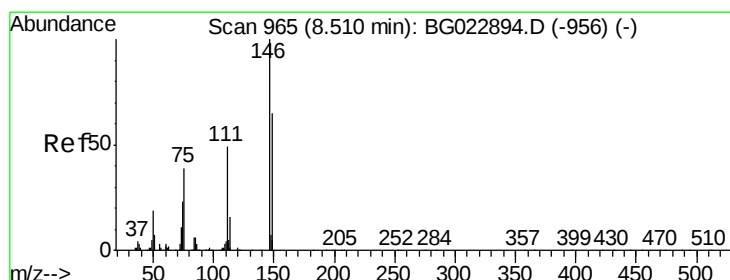
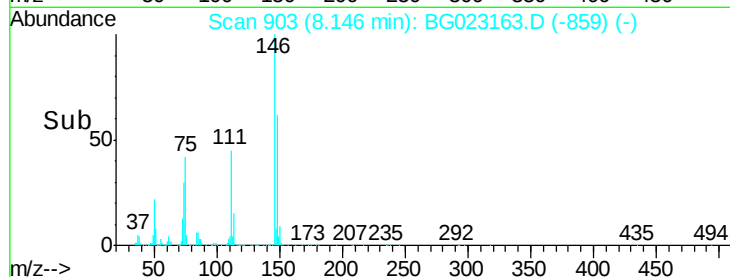
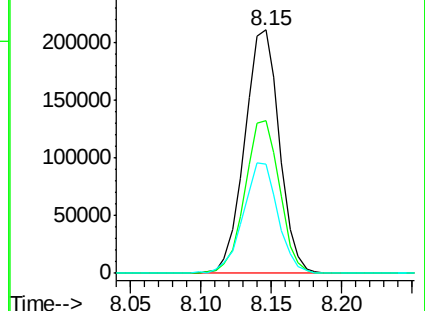
111 45.1 37.8 56.8



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



#14

1,2-Dichlorobenzene

Concen: 38.56 ng

RT: 8.47 min Scan# 958

Delta R.T. -0.04 min

Lab File: BG023163.D

Acq: 18 Jul 2016 17:53

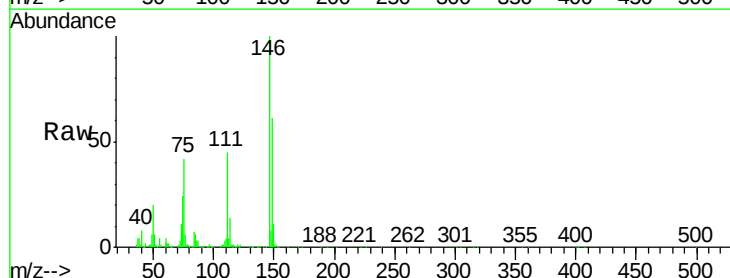
Tgt Ion:146 Resp: 353420

Ion Ratio Lower Upper

146 100

148 61.3 52.9 79.3

111 45.4 43.5 65.3



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

