

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025296.D
 Acq On : 18 Dec 2016 5:20
 Operator : UM/SJ
 Sample : H5970-09DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 06:09:36 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 03:57:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	70202	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	282131	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	207780	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	468188	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	612779	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	607408	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	624	0.46	ng/uL	0.01
5) Phenol-d5	7.40	99	20975	3.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	16546	4.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	15361	3.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	18056	3.57	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	9464	4.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	9759	3.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	15969	3.33	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	65524	13.92	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	60790	4.25	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	74311	4.75	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	1947	0.79	ng/ul	-0.02
57) Fluorene-d10	15.84	176	59735	4.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	4191	1.45	ng/ul	0.00
70) Anthracene-d10	17.70	188	83601	4.23	ng/ul	0.00
76) Pyrene-d10	19.97	212	101499	4.02	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	105218	4.28	ng/ul	0.00

Target Compounds

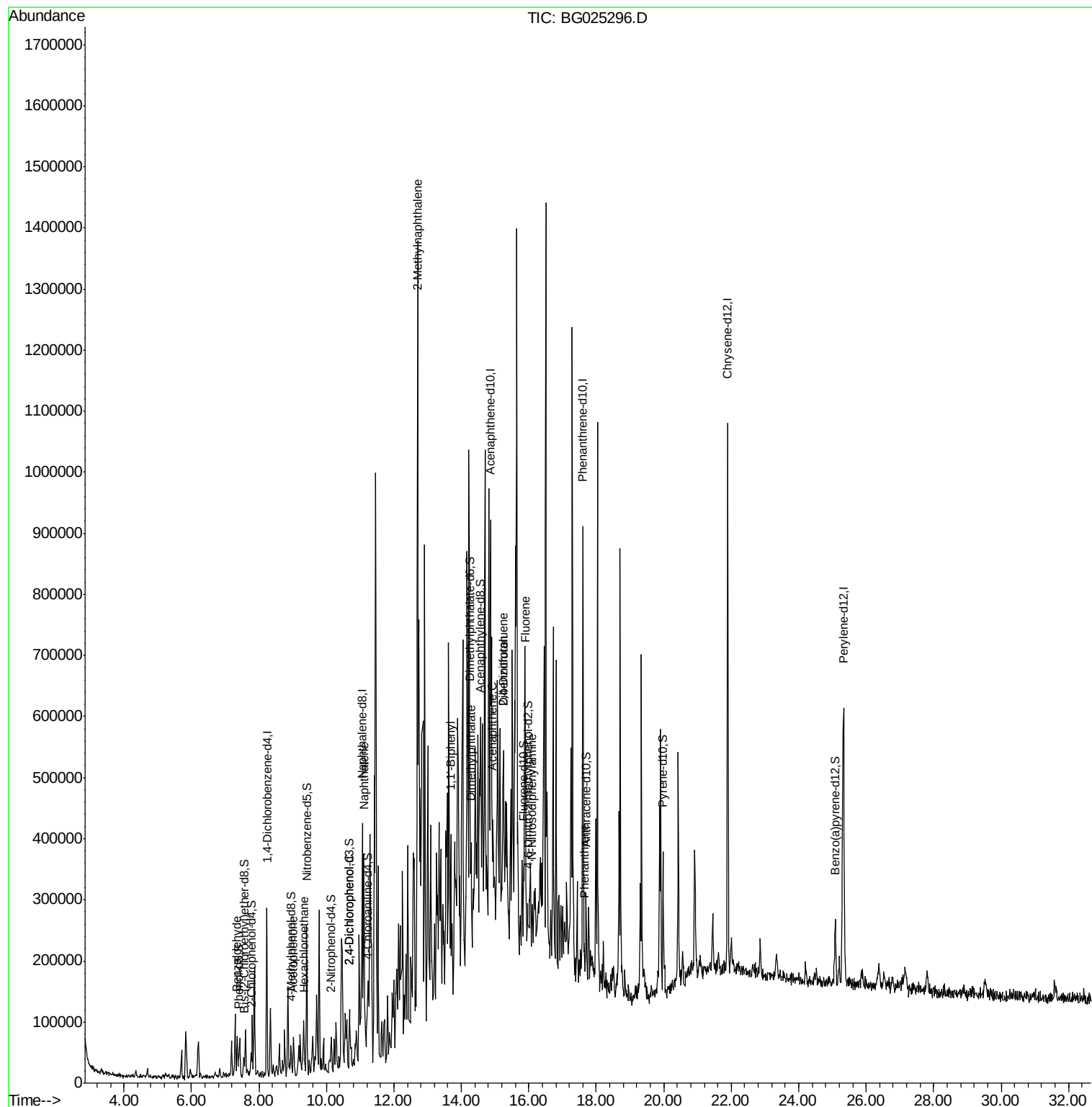
						Ovalue
4) Benzaldehyde	7.36	77	6572	1.44	ng/ul#	1
14) Acetophenone	9.02	105	42930	5.57	ng/ul#	21
17) Hexachloroethane	9.34	117	12941	6.86	ng/ul#	1
27) 2,4-Dichlorophenol	10.68	162	10169	2.19	ng/ul#	27
28) Naphthalene	11.11	128	263293	20.08	ng/ul	97
34) 2-Methylnaphthalene	12.70	142	549415	53.09	ng/ul	95
40) 1,1'-Biphenyl	13.69	154	132654	10.53	ng/ul	92
44) Dimethylphthalate	14.30	163	38218	2.72	ng/ul#	96
49) Acenaphthene	14.93	153	32905	3.16	ng/ul#	81
53) Dibenzofuran	15.25	168	84330	5.11	ng/ul	87
54) 2,4-Dinitrotoluene	15.24	165	6662	1.46	ng/ul#	17
58) Fluorene	15.90	166	88478	6.59	ng/ul#	98
64) N-Nitrosodiphenylamine	16.10	169	17508	1.45	ng/ul#	60
69) Phenanthrene	17.65	178	47923	2.14	ng/ul	95

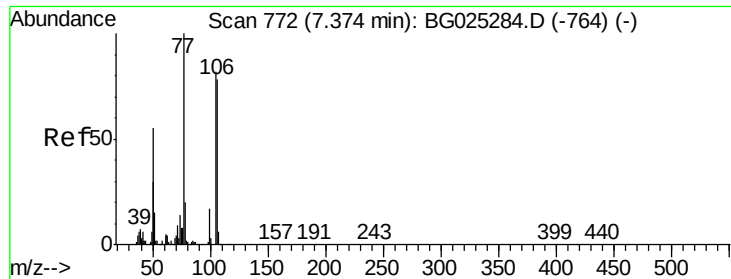
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 03:57:56 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.44 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG025296.D

Acq: 18 Dec 2016 5:20

Instrument :

BNA_G

ClientSampleId :

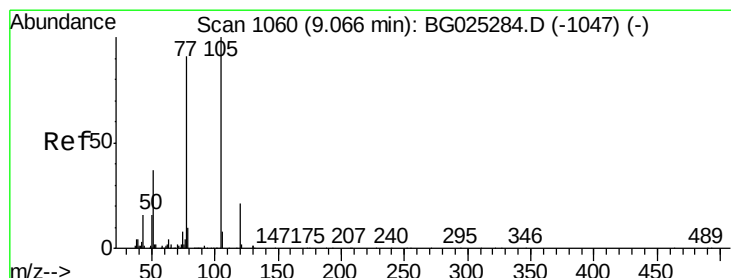
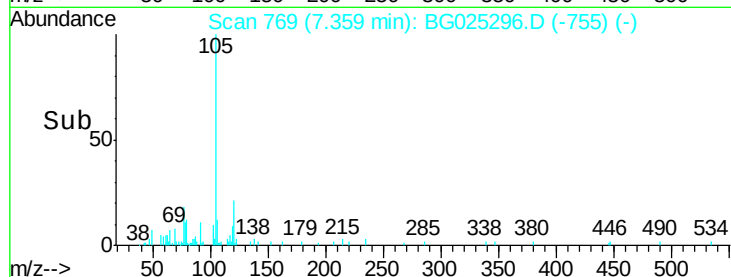
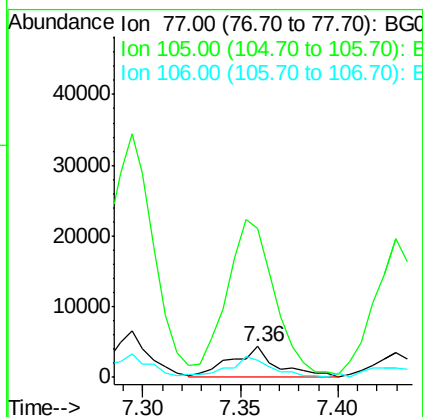
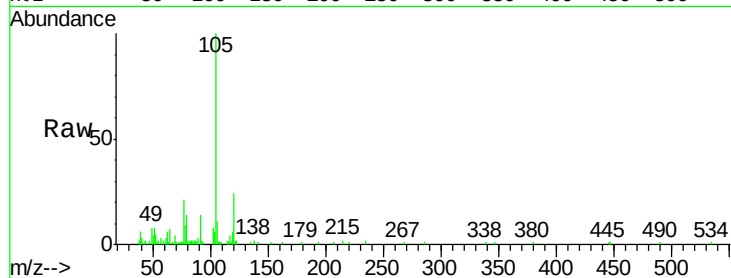
Tot Ion: 77 Resp: 6572

Ion Ratio Lower Upper

77 100

105 480.0 62.0 93.0#

106 53.9 60.2 90.4#



#14

Acetophenone

Concen: 5.57 ng/ul

RT: 9.02 min Scan# 1052

Delta R.T. -0.04 min

Lab File: BG025296.D

Acq: 18 Dec 2016 5:20

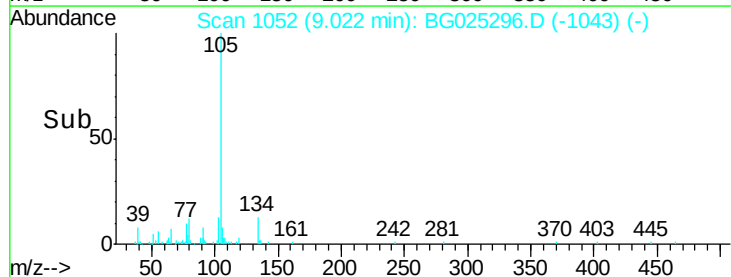
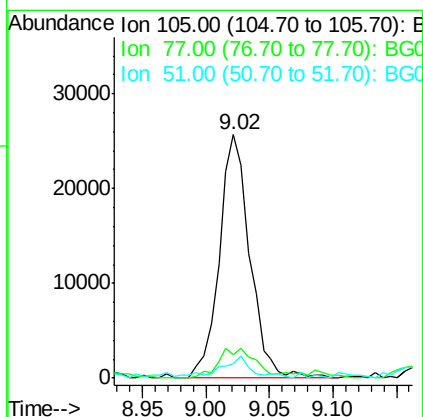
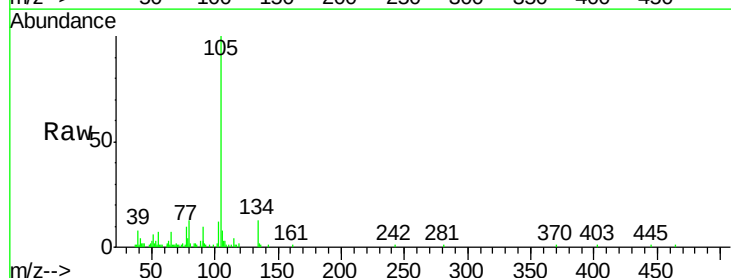
Tgt Ion: 105 Resp: 42930

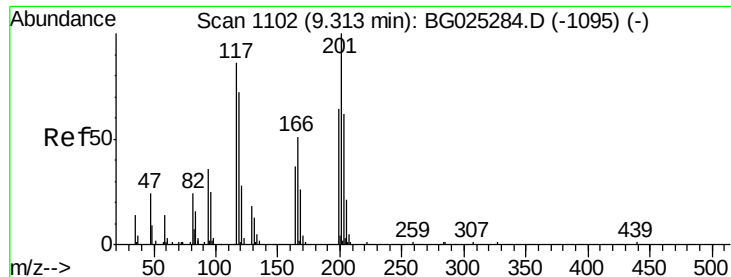
Ion Ratio Lower Upper

105 100

77 9.7 76.0 114.0#

51 5.9 34.8 52.2#

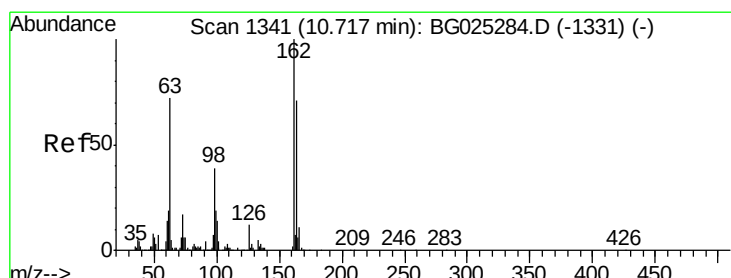
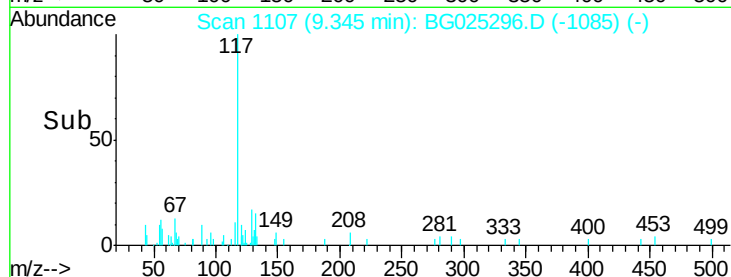
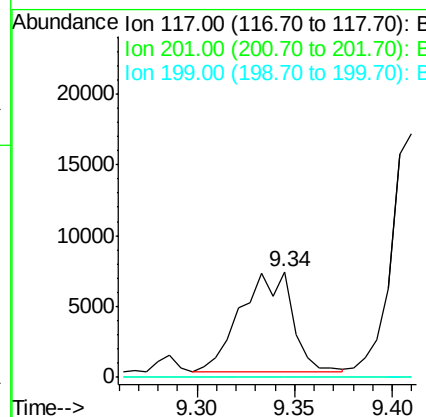
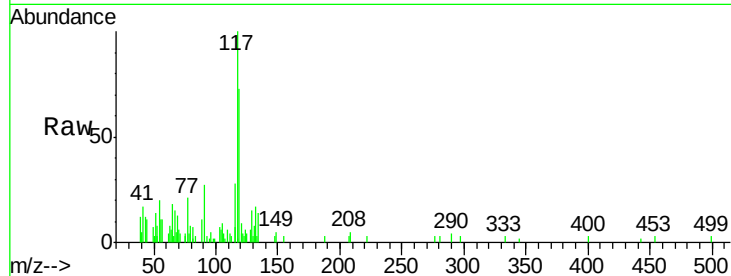




#17
Hexachloroethane
Concen: 6.86 ng/ul
RT: 9.34 min Scan# 1107
Delta R.T. 0.03 min
Lab File: BG025296.D
Acq: 18 Dec 2016 5:20

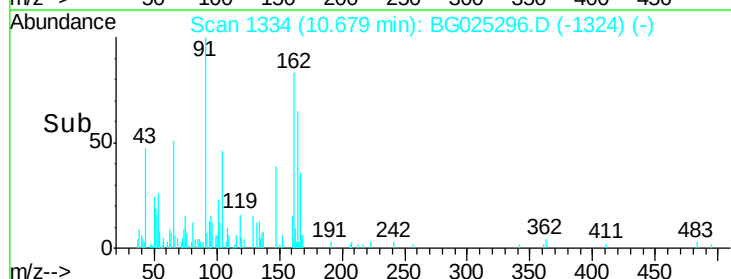
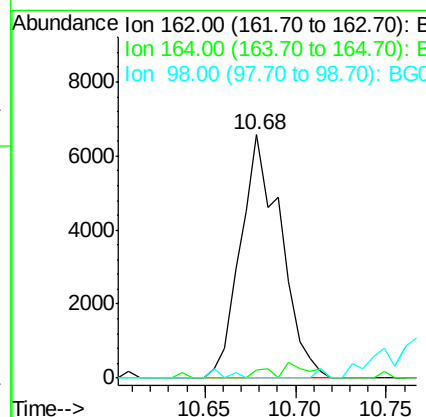
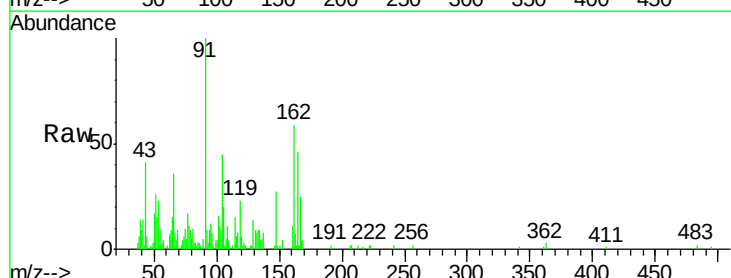
Instrument :
BNA_G
ClientSampleId :

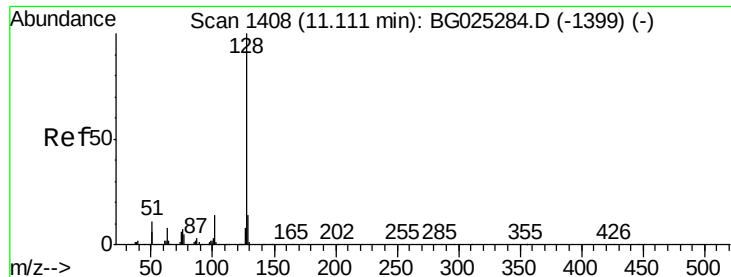
Tot Ion:117 Resp: 12941
Ion Ratio Lower Upper
117 100
201 0.0 91.9 137.9#
199 0.0 64.3 96.5#



#27
2,4-Dichlorophenol
Concen: 2.19 ng/ul
RT: 10.68 min Scan# 1334
Delta R.T. -0.04 min
Lab File: BG025296.D
Acq: 18 Dec 2016 5:20

Tgt Ion:162 Resp: 10169
Ion Ratio Lower Upper
162 100
164 3.2 50.8 76.2#
98 0.0 32.1 48.1#





#28

Naphthalene

Concen: 20.08 ng/ul

RT: 11.11 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BG025296.D

Acq: 18 Dec 2016 5:20

Instrument :

BNA_G

ClientSampleId :

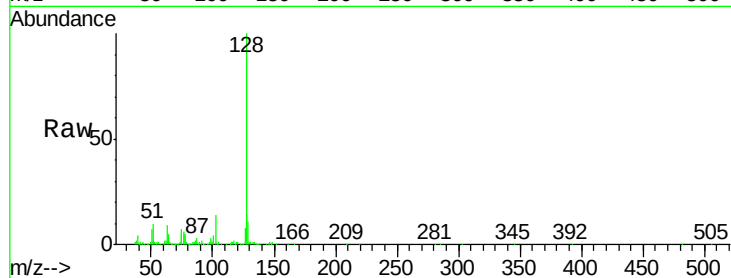
Tot Ion:128 Resp: 263293

Ion Ratio Lower Upper

128 100

129 10.9 9.4 14.2

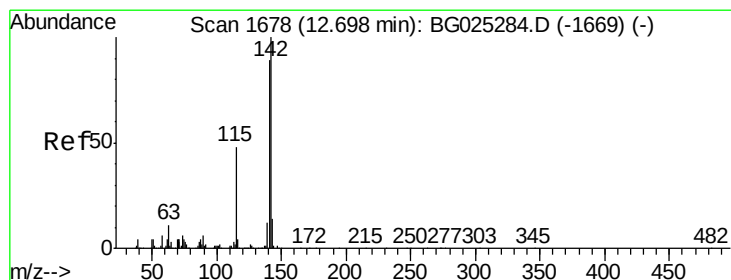
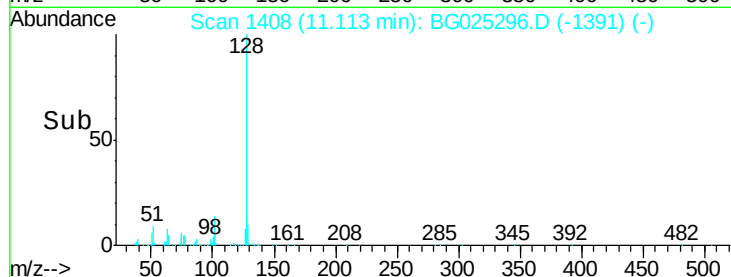
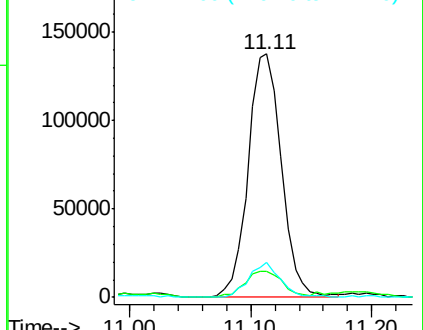
127 14.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 53.09 ng/ul

RT: 12.70 min Scan# 1678

Delta R.T. 0.00 min

Lab File: BG025296.D

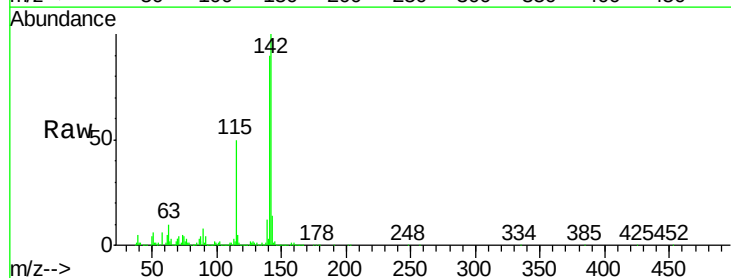
Acq: 18 Dec 2016 5:20

Tgt Ion:142 Resp: 549415

Ion Ratio Lower Upper

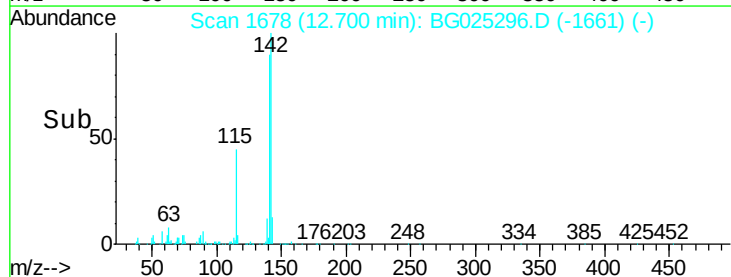
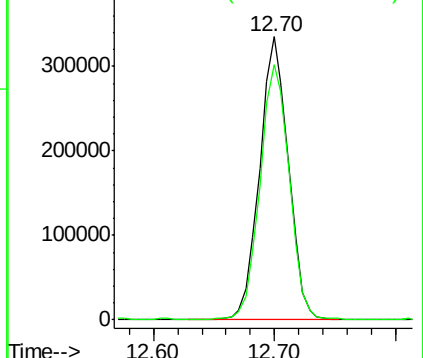
142 100

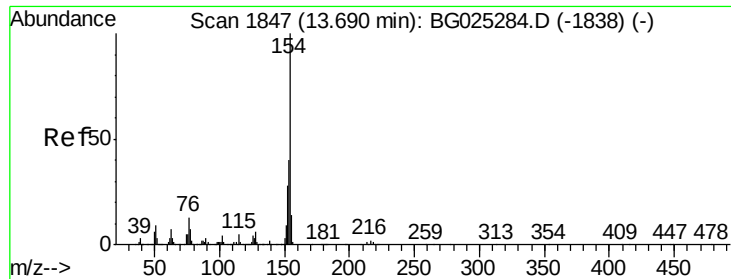
141 90.3 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

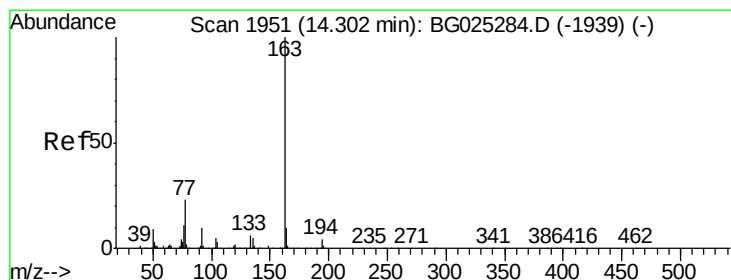
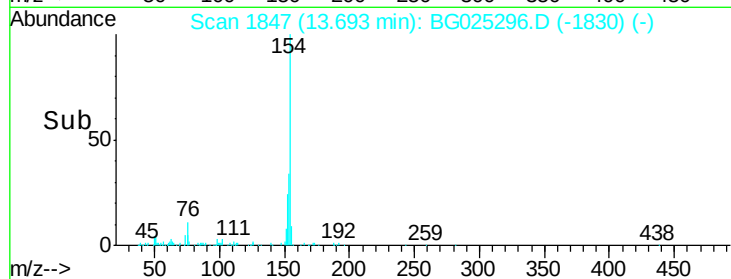
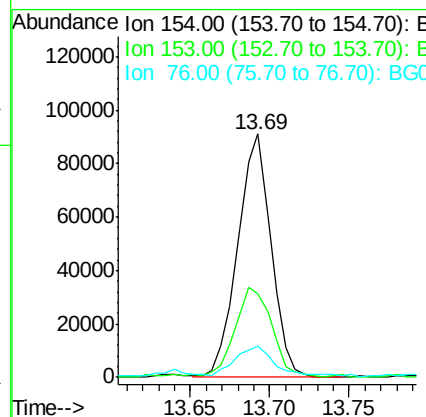
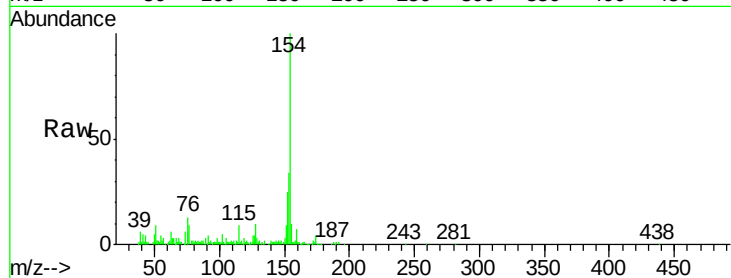




#40
 1,1'-Biphenyl
 Concen: 10.53 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BG025296.D
 Acq: 18 Dec 2016 5:20

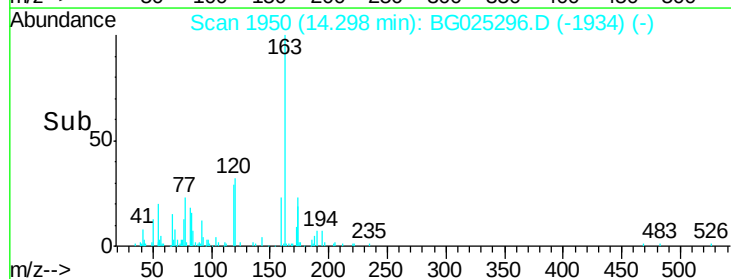
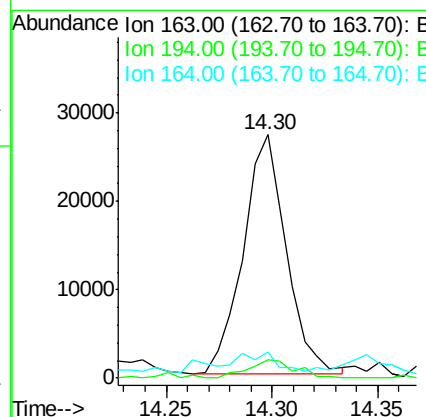
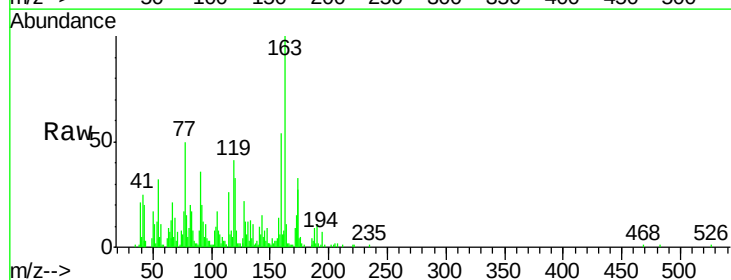
Instrument :
 BNA_G
 ClientSampleId :

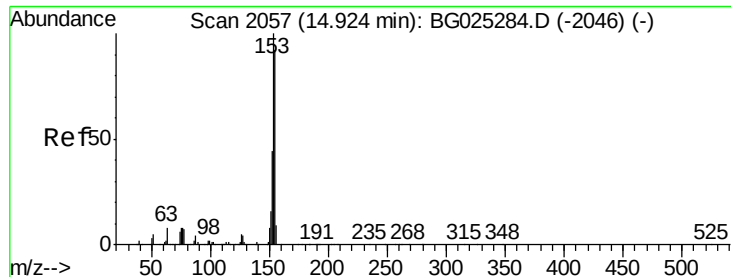
Tot Ion:	154	Resp:	132654
Ion	Ratio	Lower	Upper
154	100		
153	34.4	32.2	48.2
76	12.8	9.6	14.4



#44
 Dimethylphthalate
 Concen: 2.72 ng/ul
 RT: 14.30 min Scan# 1950
 Delta R.T. -0.00 min
 Lab File: BG025296.D
 Acq: 18 Dec 2016 5:20

Tgt Ion:	163	Resp:	38218
Ion	Ratio	Lower	Upper
163	100		
194	7.5	3.4	5.0#
164	10.5	9.0	13.4





#49

Acenaphthene

Concen: 3.16 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG025296.D

Acq: 18 Dec 2016 5:20

Instrument :

BNA_G

ClientSampleId :

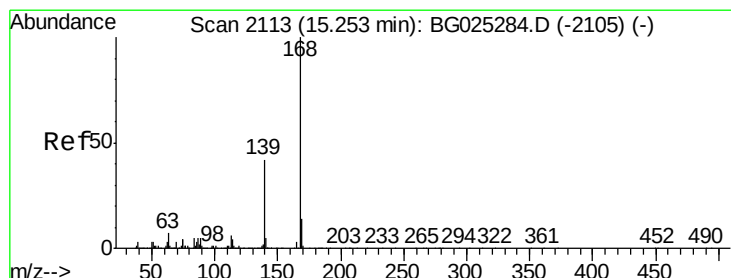
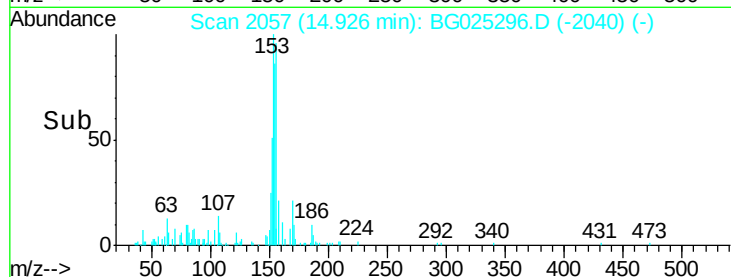
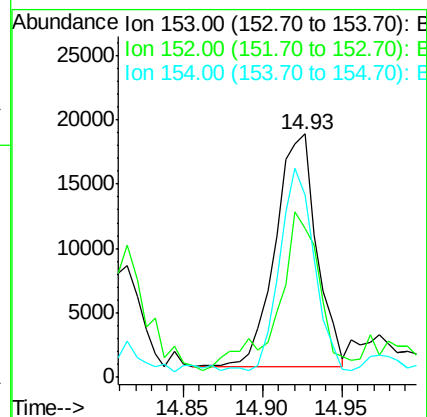
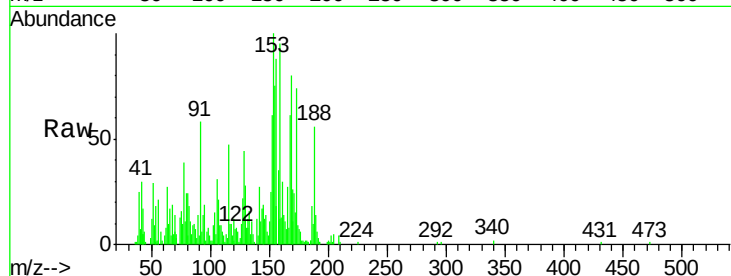
Tot Ion:153 Resp: 32905

Ion Ratio Lower Upper

153 100

152 61.3 36.5 54.7#

154 75.0 72.3 108.5



#53

Dibenzofuran

Concen: 5.11 ng/ul

RT: 15.25 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BG025296.D

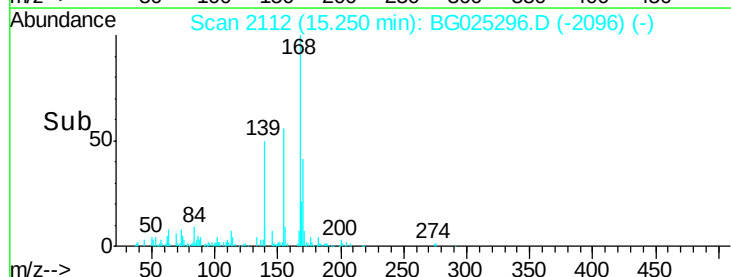
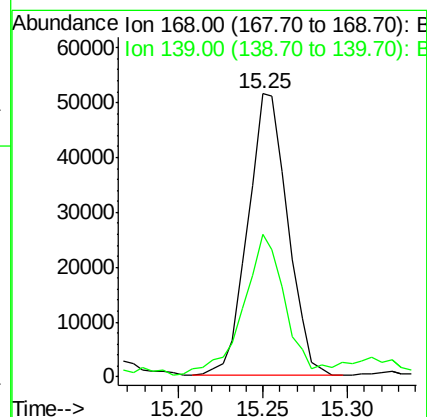
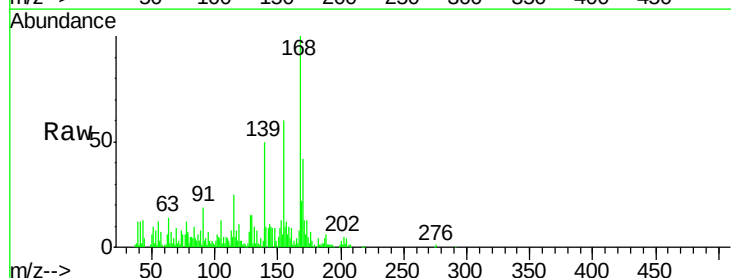
Acq: 18 Dec 2016 5:20

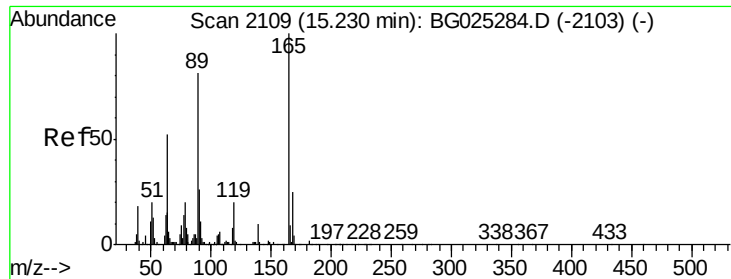
Tgt Ion:168 Resp: 84330

Ion Ratio Lower Upper

168 100

139 50.5 33.8 50.8





#54

2,4-Dinitrotoluene

Concen: 1.46 ng/ul

RT: 15.24 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BG025296.D

Acq: 18 Dec 2016 5:20

Instrument :

BNA_G

ClientSampled :

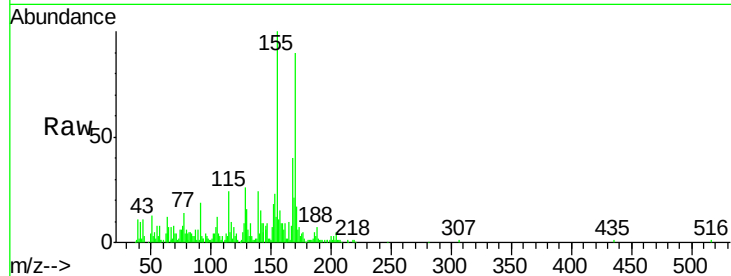
Tot Ion:165 Resp: 6662

Ion Ratio Lower Upper

165 100

63 122.1 46.8 70.2#

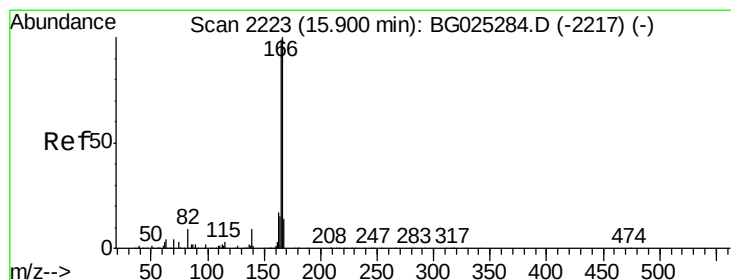
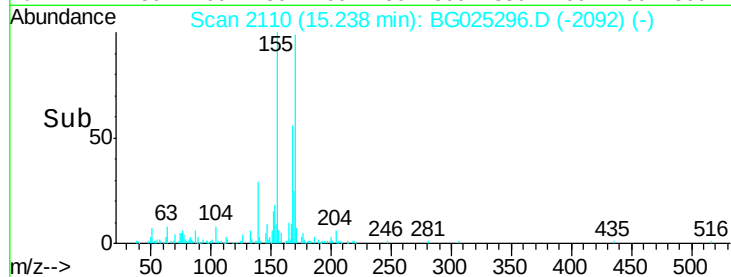
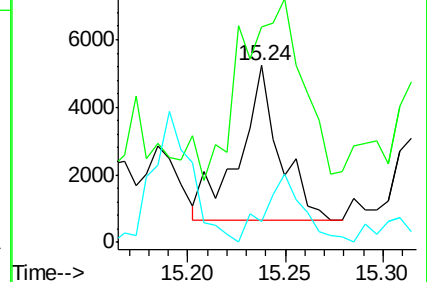
182 11.9 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 6.59 ng/ul

RT: 15.90 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG025296.D

Acq: 18 Dec 2016 5:20

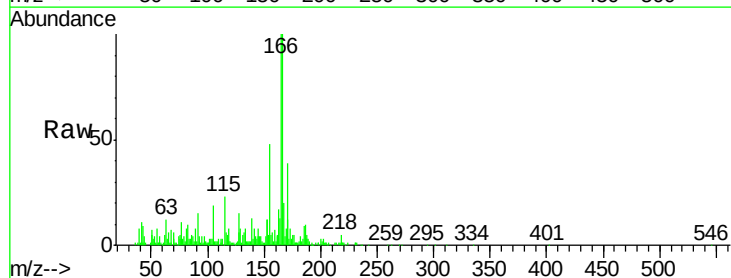
Tgt Ion:166 Resp: 88478

Ion Ratio Lower Upper

166 100

165 100.2 79.7 119.5

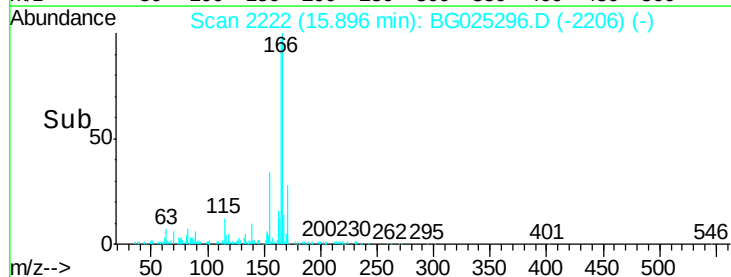
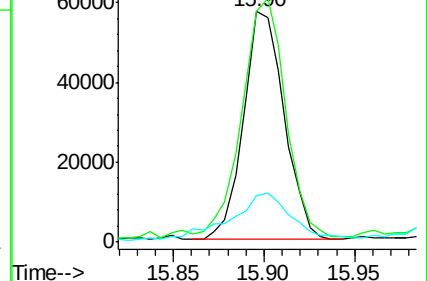
167 19.9 11.4 17.2#

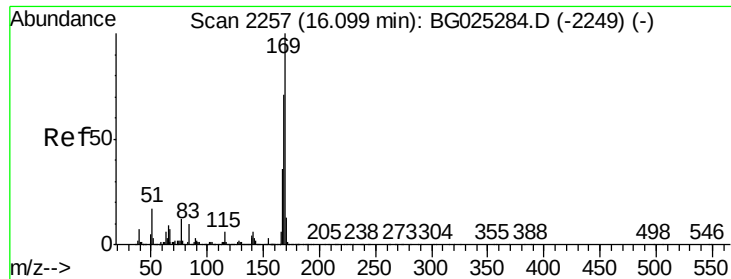


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

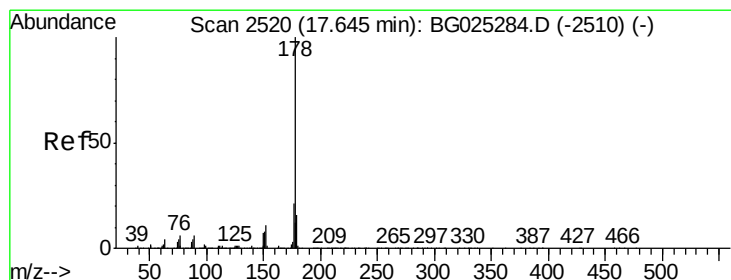
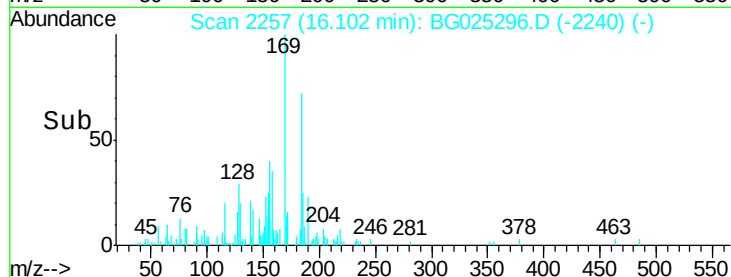
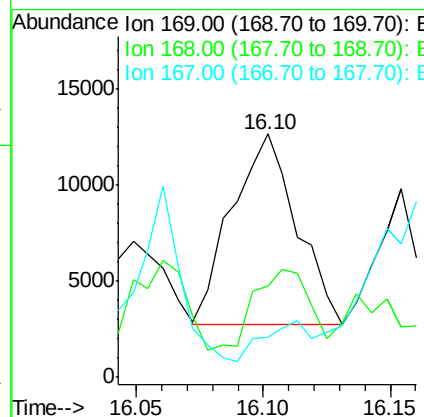
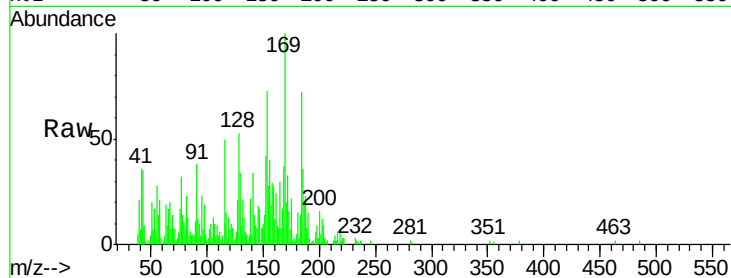




#64
N-Nitrosodiphenylamine
Concen: 1.45 ng/ul
RT: 16.10 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BG025296.D
Acq: 18 Dec 2016 5:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:169 Resp: 17508
Ion Ratio Lower Upper
169 100
168 37.3 59.1 88.7#
167 16.5 29.7 44.5#



#69
Phenanthrene
Concen: 2.14 ng/ul
RT: 17.65 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BG025296.D
Acq: 18 Dec 2016 5:20

Tgt Ion:178 Resp: 47923
Ion Ratio Lower Upper
178 100
179 18.0 12.4 18.6
176 23.0 16.5 24.7

