

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025310.D
 Acq On : 18 Dec 2016 14:31
 Operator : UM/SJ
 Sample : H5995-14DL 25X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 04:47:19 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 19 04:41:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	67494	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	274921	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	212611	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	453576	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	568626	20.00	ng/ul	-0.01
83) Perylene-d12	25.31	264	589559	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	467	0.36	ng/uL	0.00
5) Phenol-d5	7.40	99	3819	0.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	3996	1.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.75	132	1660	0.41	ng/ul	-0.01
13) 4-Methylphenol-d8	8.96	113	3125	0.64	ng/ul	0.01
19) Nitrobenzene-d5	9.41	128	2265	1.16	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	2387	0.98	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.69	165	3825	0.82	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	2427	0.53	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	13910	0.95	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	18707	1.17	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	1610	0.64	ng/ul	0.00
57) Fluorene-d10	15.84	176	17538	1.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	2747	0.98	ng/ul	0.00
70) Anthracene-d10	17.70	188	24352	1.27	ng/ul	0.00
76) Pyrene-d10	19.97	212	25186	1.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	22251	0.93	ng/ul	0.00

Target Compounds

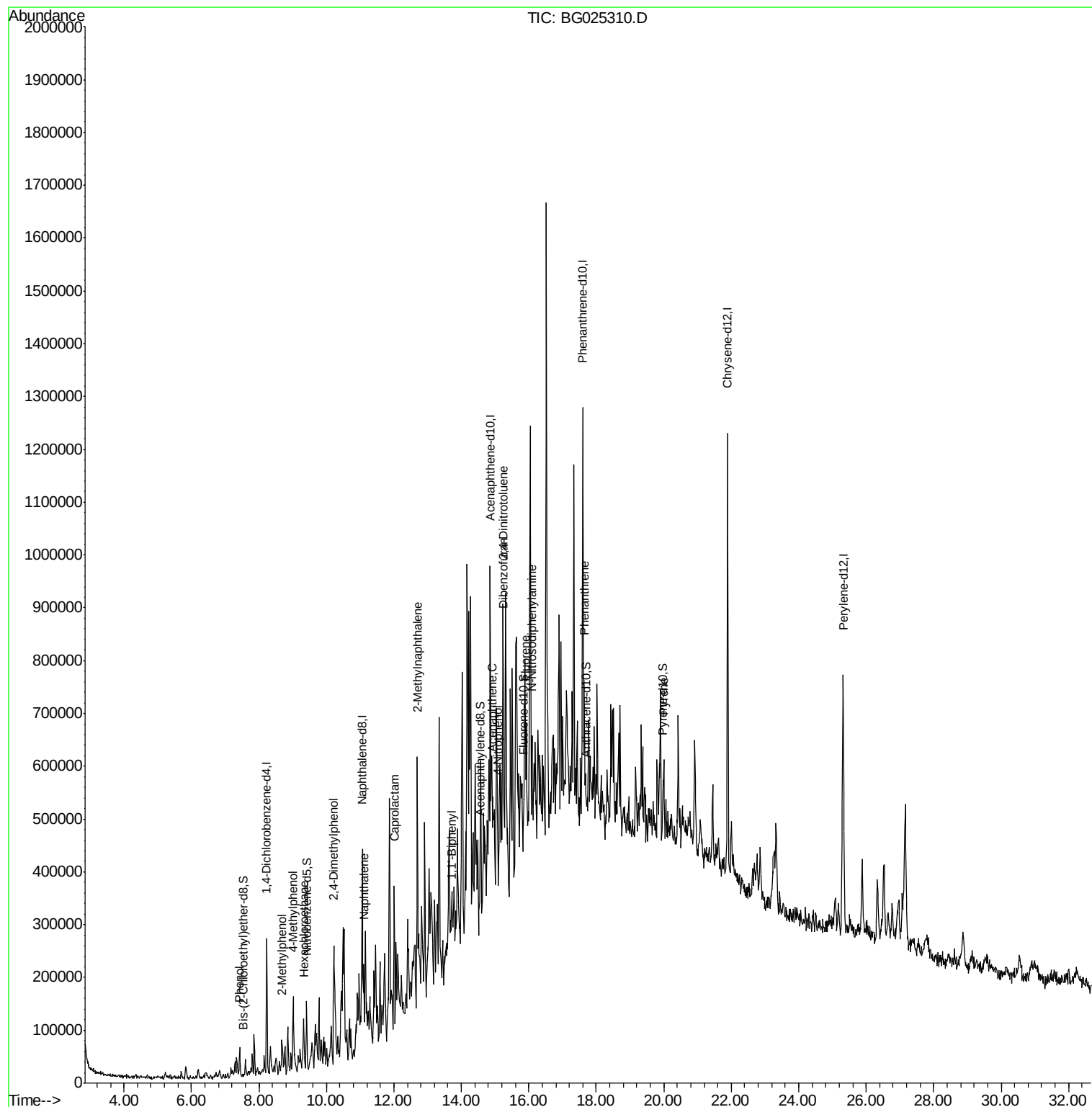
						Ovalue
6) Phenol	7.43	94	16631	2.78	ng/ul#	89
11) 2-Methylphenol	8.68	108	18298	4.16	ng/ul	89
16) 4-Methylphenol	9.01	108	51799	10.58	ng/ul	90
17) Hexachloroethane	9.33	117	6592	3.63	ng/ul#	1
24) 2,4-Dimethylphenol	10.22	107	88772	15.77	ng/ul	96
28) Naphthalene	11.11	128	94768	7.42	ng/ul	97
32) Caprolactam	12.01	113	9121	4.85	ng/ul	92
34) 2-Methylnaphthalene	12.69	142	224205	22.23	ng/ul	99
40) 1,1'-Biphenyl	13.69	154	36823	2.86	ng/ul#	90
49) Acenaphthene	14.92	153	27199	2.55	ng/ul#	72
52) 4-Nitrophenol	15.08	109	4013	1.33	ng/ul#	73
53) Dibenzofuran	15.25	168	48031	2.85	ng/ul#	75
54) 2,4-Dinitrotoluene	15.23	165	10398	2.23	ng/ul#	22
58) Fluorene	15.90	166	79970	5.82	ng/ul#	88
64) N-Nitrosodiphenylamine	16.09	169	47282	4.05	ng/ul#	34
69) Phenanthrene	17.64	178	162513	7.51	ng/ul#	95
77) Pyrene	20.00	202	34949	1.28	ng/ul#	93

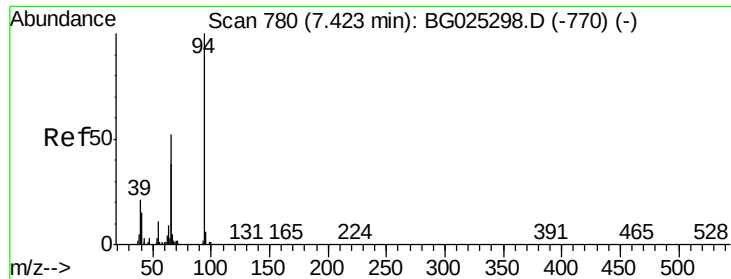
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.78 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.01 min

Lab File: BG025310.D

Acq: 18 Dec 2016 14:31

Instrument :

BNA_G

ClientSampleId :

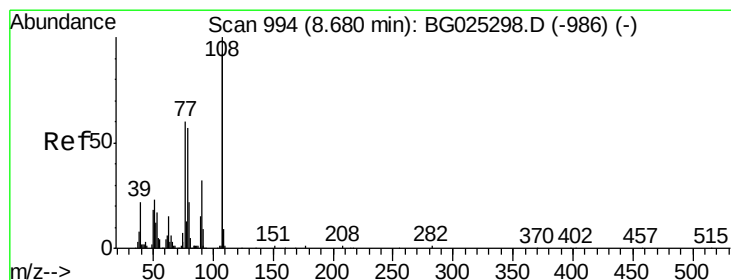
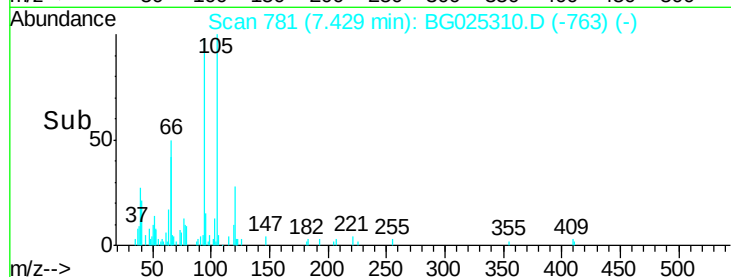
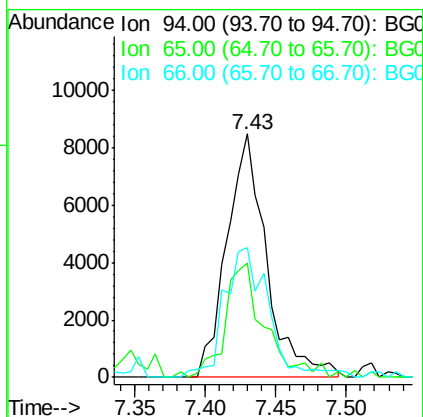
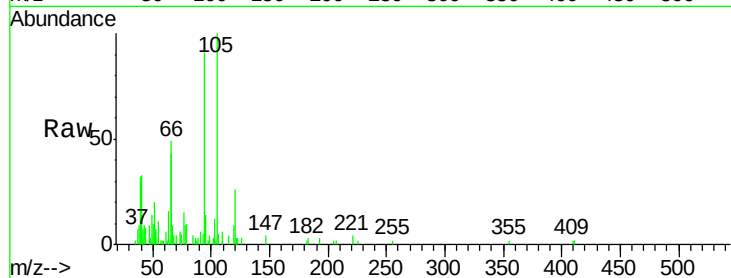
Tot Ion: 94 Resp: 16631

Ion Ratio Lower Upper

94 100

65 46.8 26.8 40.2#

66 53.1 44.4 66.6



#11

2-Methylphenol

Concen: 4.16 ng/ul

RT: 8.68 min Scan# 994

Delta R.T. 0.00 min

Lab File: BG025310.D

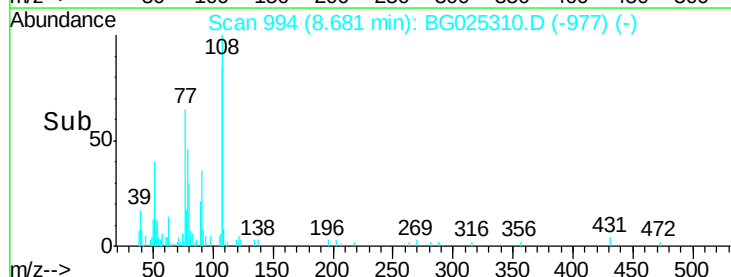
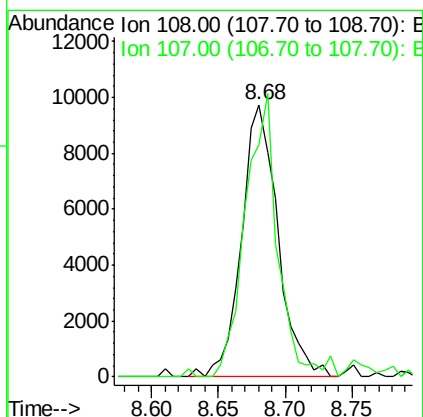
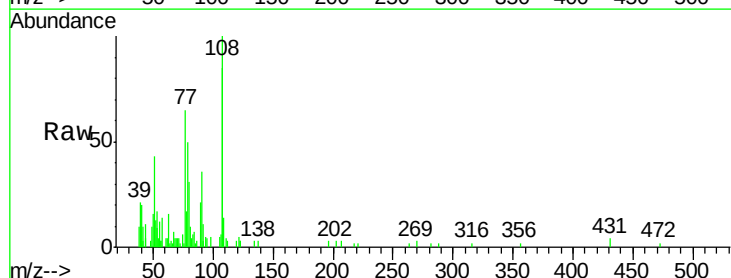
Acq: 18 Dec 2016 14:31

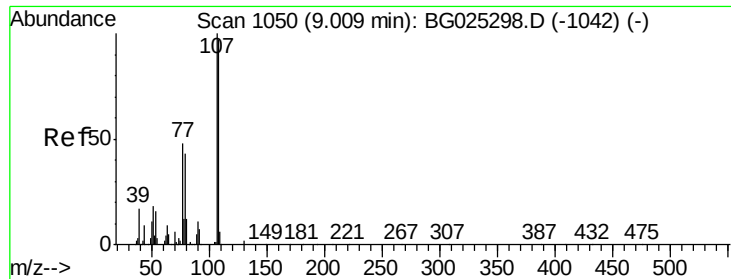
Tgt Ion: 108 Resp: 18298

Ion Ratio Lower Upper

108 100

107 85.2 76.7 115.1





#16

4-Methylphenol

Concen: 10.58 ng/ul

RT: 9.01 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BG025310.D

Acq: 18 Dec 2016 14:31

Instrument :

BNA_G

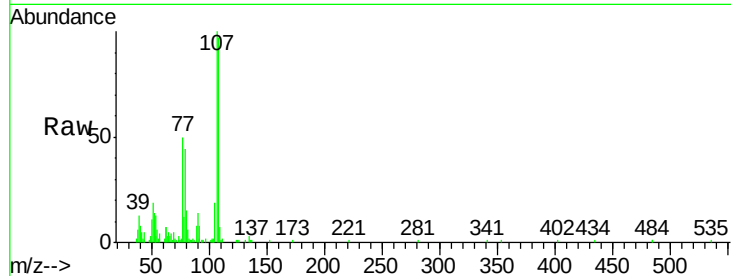
ClientSampleId :

Tot Ion:108 Resp: 51799

Ion Ratio Lower Upper

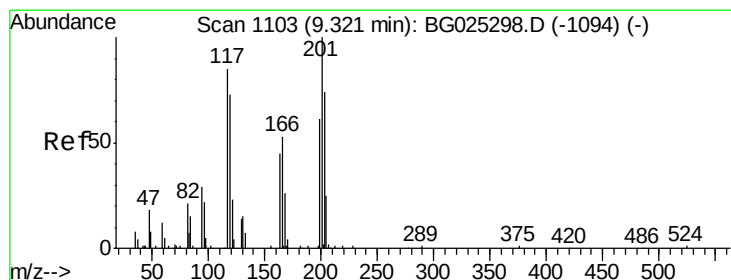
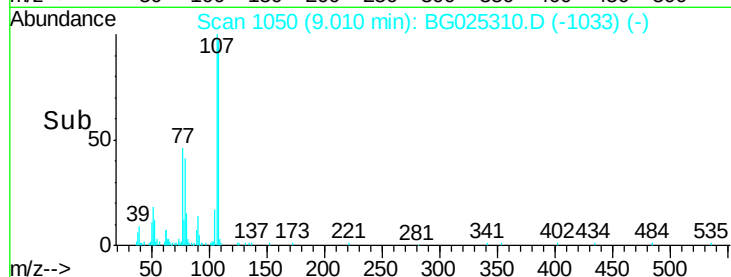
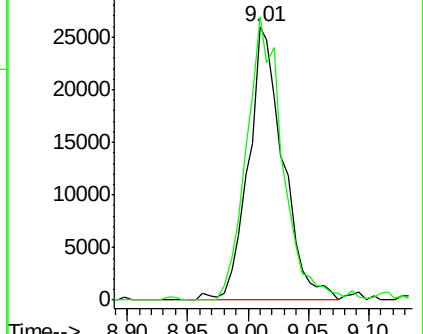
108 100

107 103.5 91.7 137.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 3.63 ng/ul

RT: 9.33 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BG025310.D

Acq: 18 Dec 2016 14:31

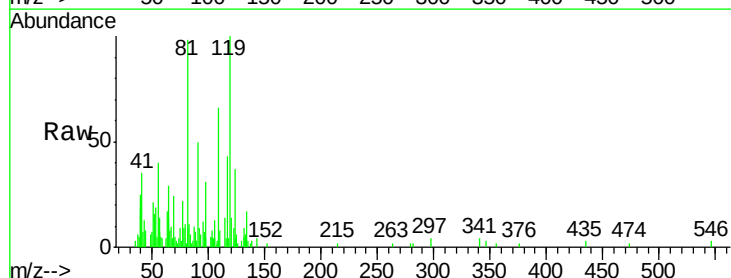
Tgt Ion:117 Resp: 6592

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

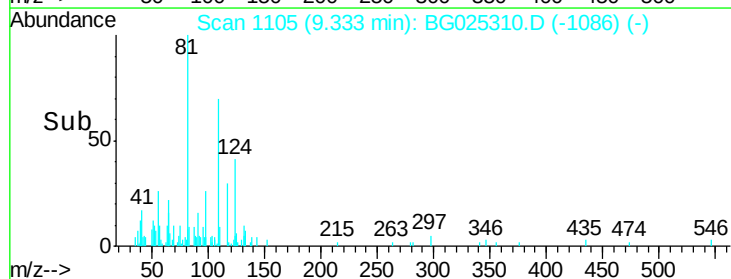
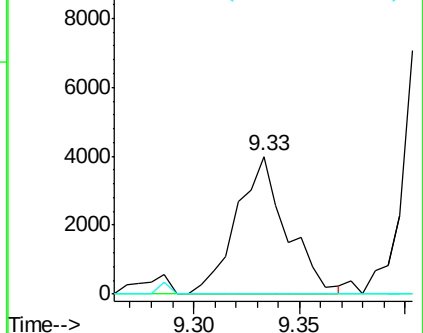
199 0.0 64.3 96.5#

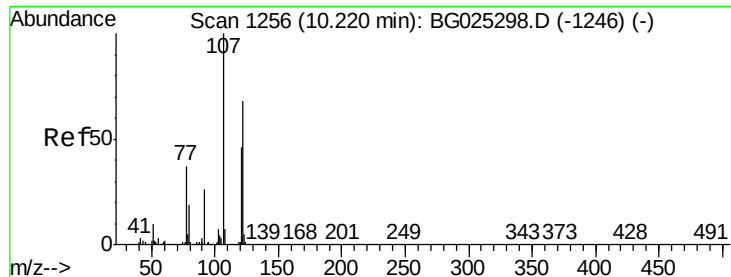


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

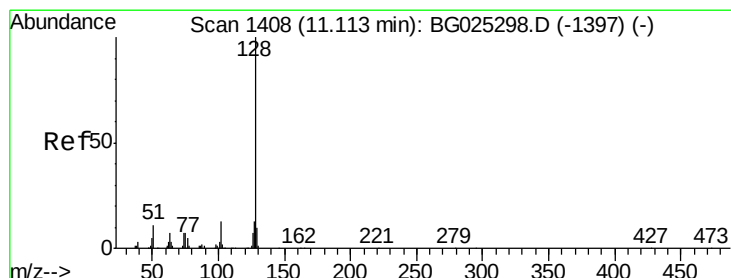
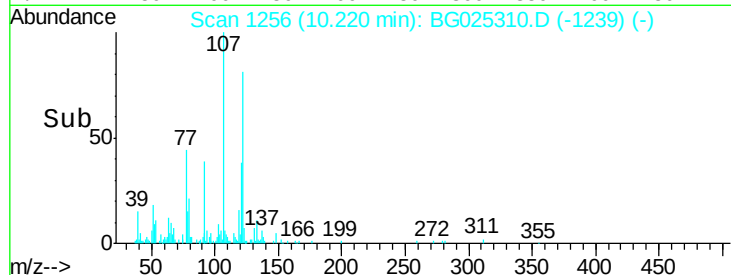
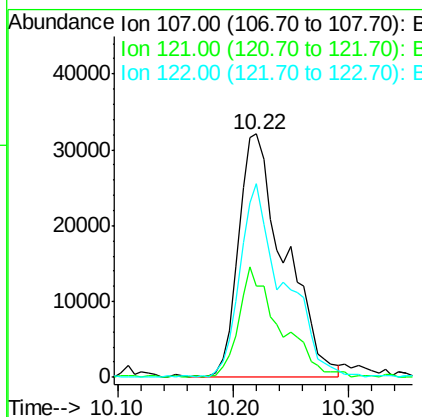
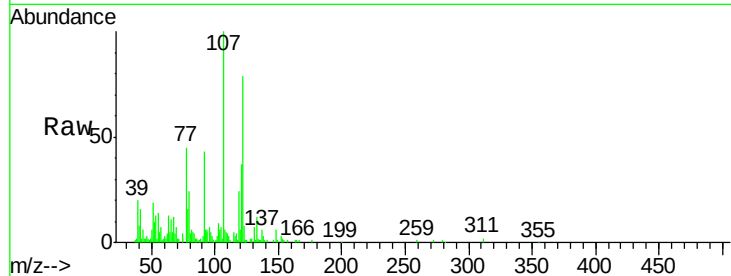




#24
2,4-Dimethylphenol
Concen: 15.77 ng/ul
RT: 10.22 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BG025310.D
Acq: 18 Dec 2016 14:31

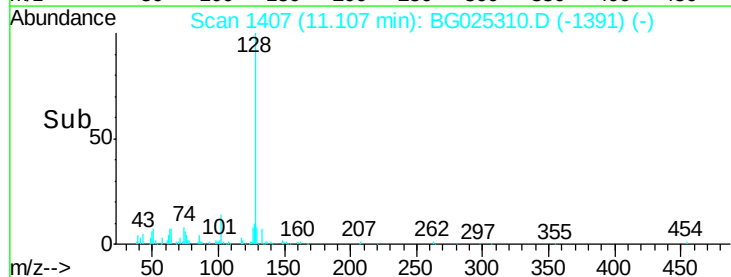
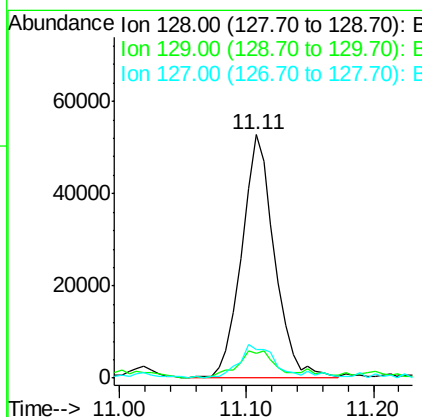
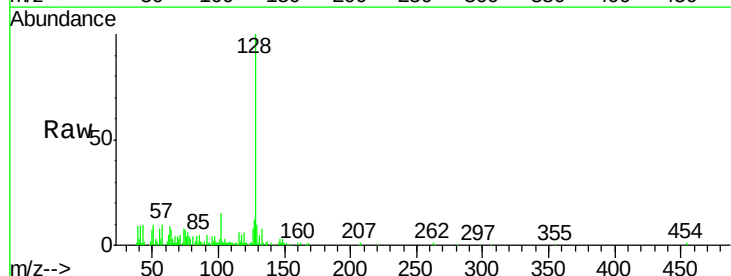
Instrument :
BNA_G
ClientSampleId :

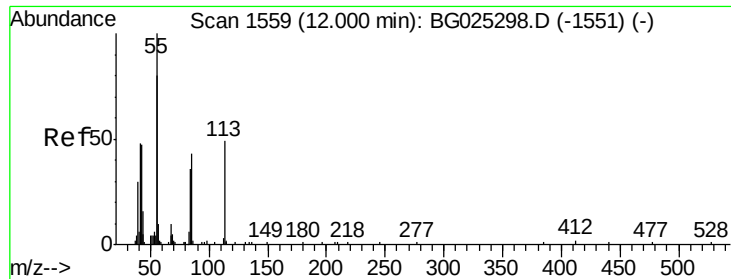
Tot Ion:107 Resp: 88772
Ion Ratio Lower Upper
107 100
121 37.5 32.3 48.5
122 79.4 61.2 91.8



#28
Naphthalene
Concen: 7.42 ng/ul
RT: 11.11 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BG025310.D
Acq: 18 Dec 2016 14:31

Tgt Ion:128 Resp: 94768
Ion Ratio Lower Upper
128 100
129 10.2 9.4 14.2
127 11.8 10.3 15.5





#32

Caprolactam

Concen: 4.85 ng/ul

RT: 12.01 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BG025310.D

Acq: 18 Dec 2016 14:31

Instrument :

BNA_G

ClientSampleId :

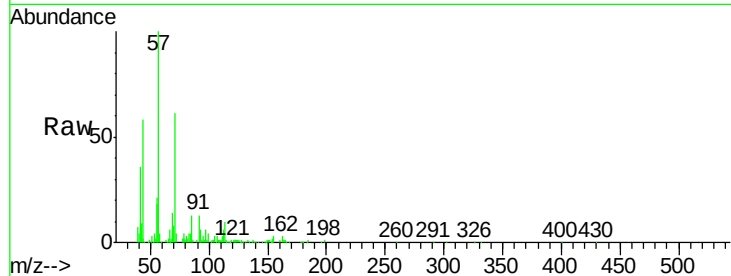
Tot Ion:113 Resp: 9121

Ion Ratio Lower Upper

113 100

55 212.6 168.6 252.8

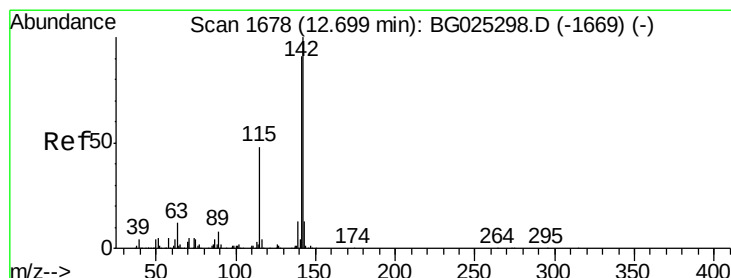
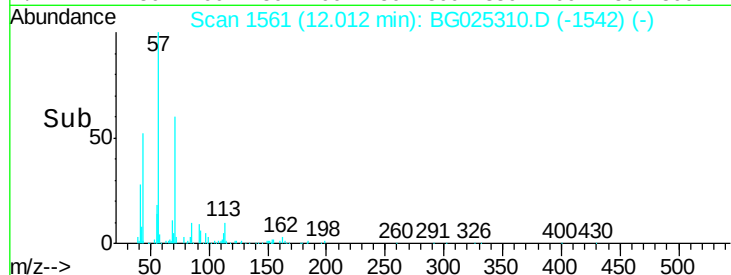
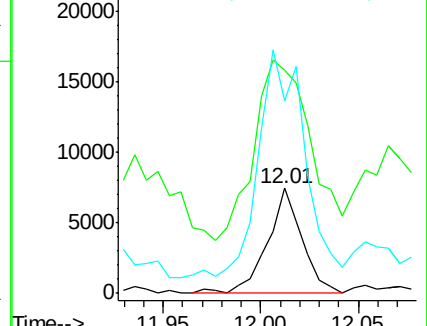
56 183.0 128.5 192.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG025298.D (-1551) (-)

Ion 56.00 (55.70 to 56.70): BG025298.D (-1551) (-)



#34

2-Methylnaphthalene

Concen: 22.23 ng/ul

RT: 12.69 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BG025310.D

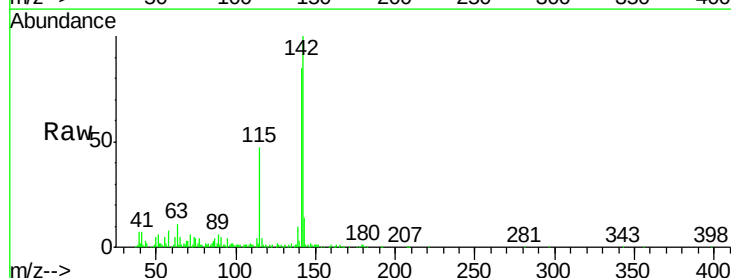
Acq: 18 Dec 2016 14:31

Tgt Ion:142 Resp: 224205

Ion Ratio Lower Upper

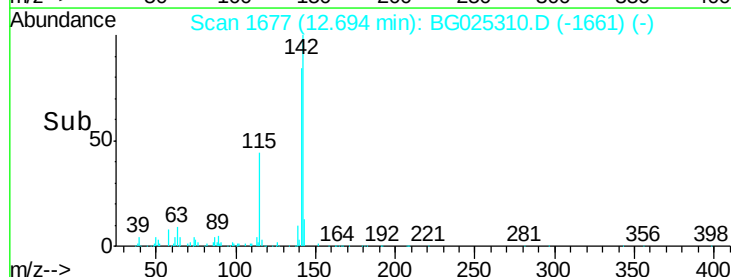
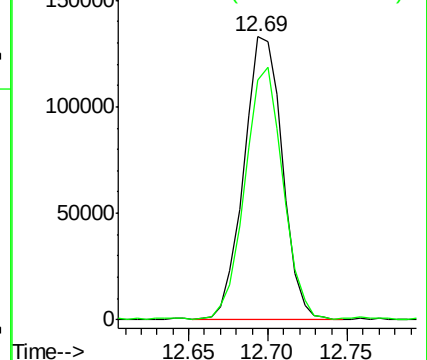
142 100

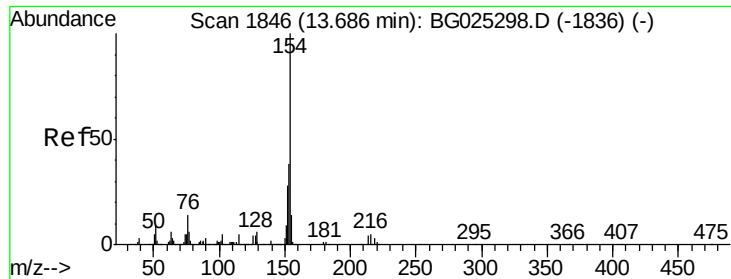
141 84.7 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

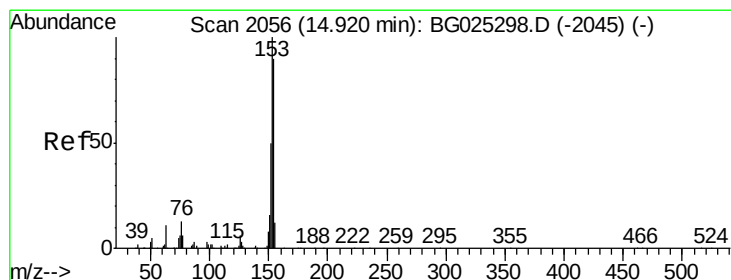
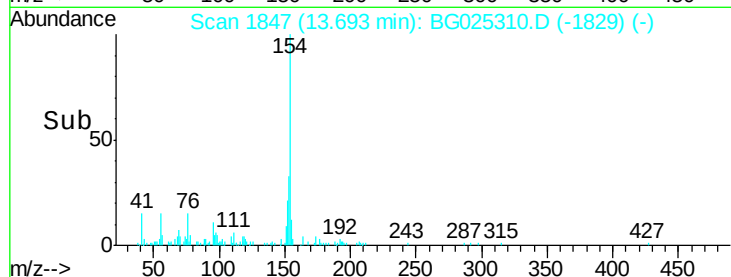
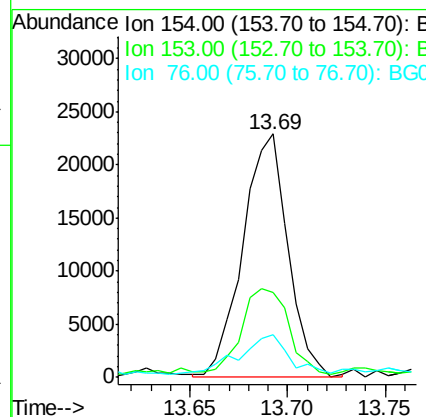
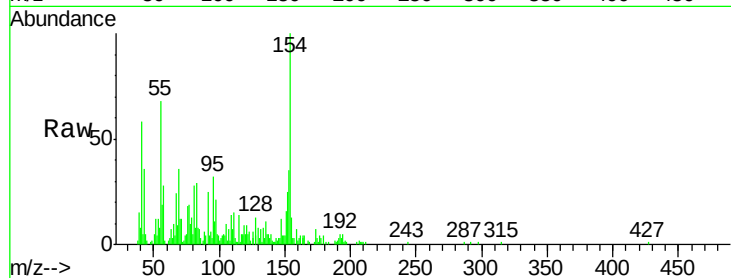




#40
 1,1'-Biphenyl
 Concen: 2.86 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: BG025310.D
 Acq: 18 Dec 2016 14:31

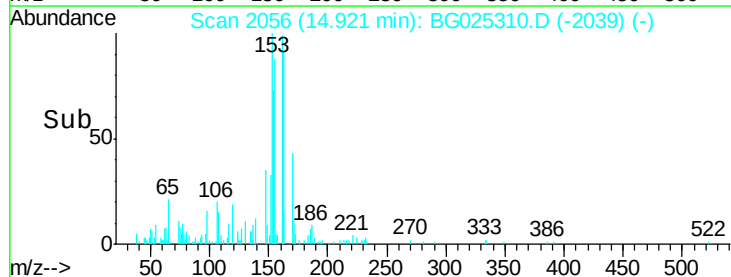
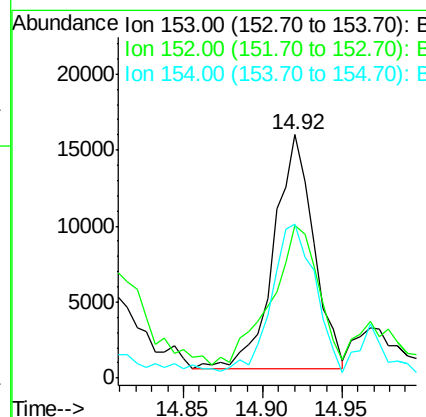
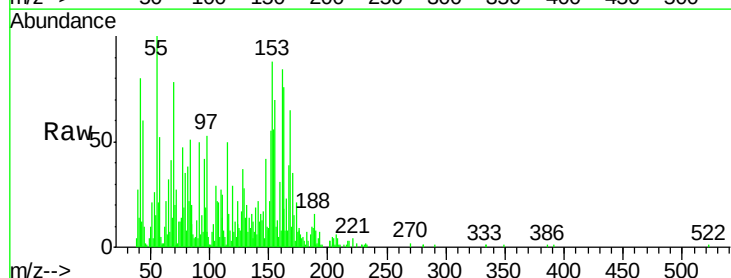
Instrument :
 BNA_G
 ClientSampleId :

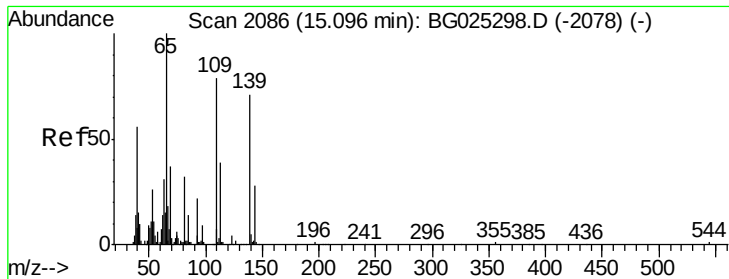
Tot Ion	Ratio	Lower	Upper
154	100		
153	34.7	32.2	48.2
76	17.6	9.6	14.4



#49
 Acenaphthene
 Concen: 2.55 ng/ul
 RT: 14.92 min Scan# 2056
 Delta R.T. 0.00 min
 Lab File: BG025310.D
 Acq: 18 Dec 2016 14:31

Tgt Ion	Ratio	Lower	Upper
153	100		
152	63.0	36.5	54.7
154	63.4	72.3	108.5

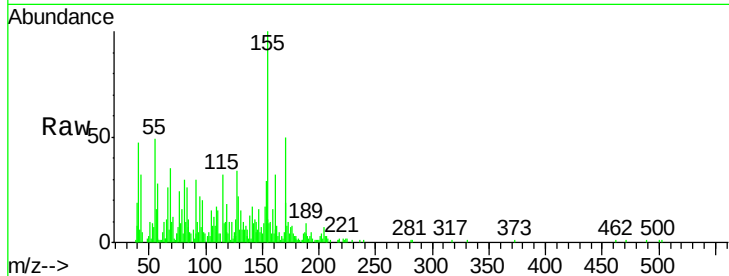




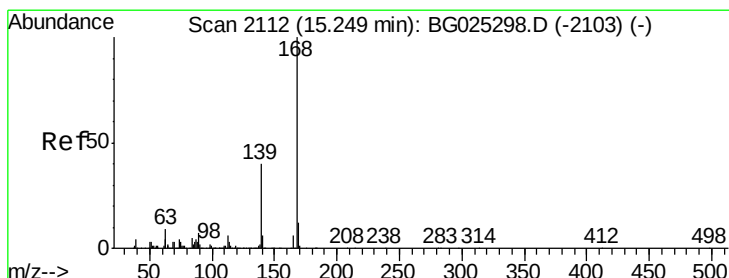
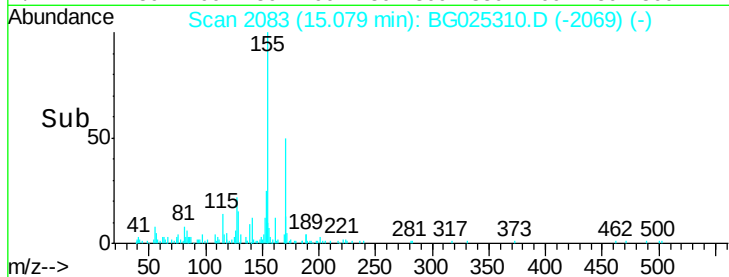
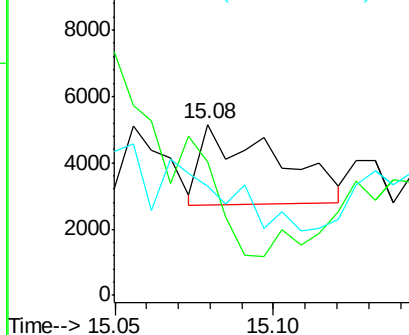
#52
4-Nitrophenol
Concen: 1.33 ng/ul
RT: 15.08 min Scan# 2083
Delta R.T. -0.02 min
Lab File: BG025310.D
Acq: 18 Dec 2016 14:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:109 Resp: 4013
Ion Ratio Lower Upper
109 100
139 78.0 62.6 93.8
65 63.7 90.4 135.6#

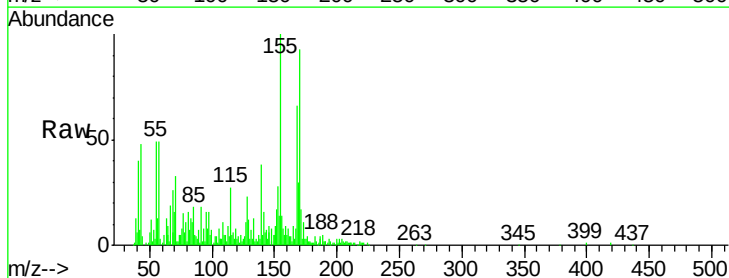


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGC

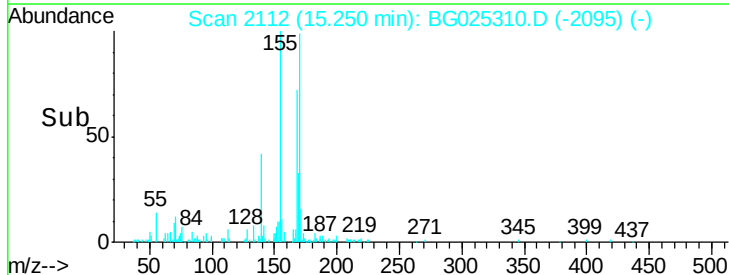
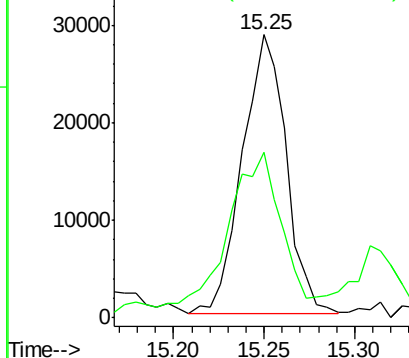


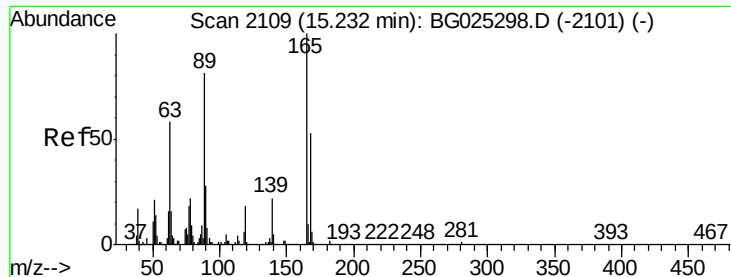
#53
Dibenzofuran
Concen: 2.85 ng/ul
RT: 15.25 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BG025310.D
Acq: 18 Dec 2016 14:31

Tgt Ion:168 Resp: 48031
Ion Ratio Lower Upper
168 100
139 58.3 33.8 50.8#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

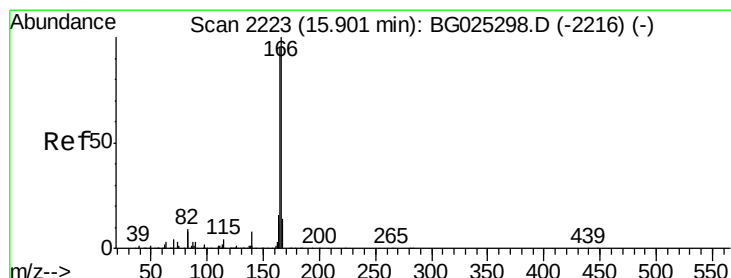
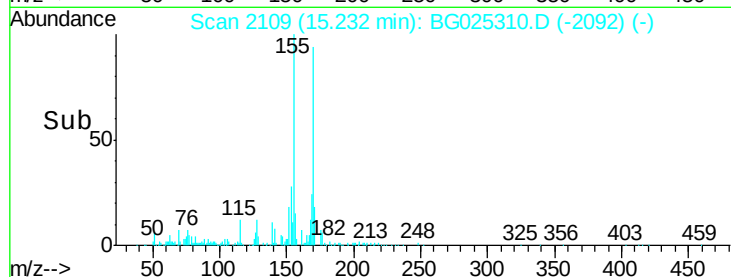
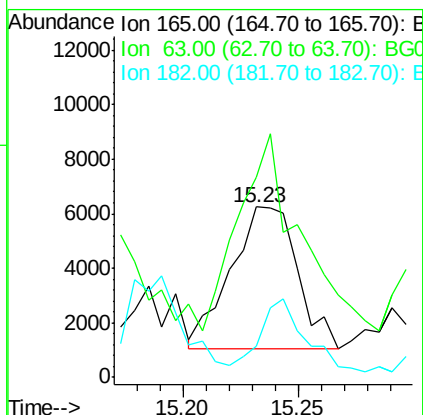
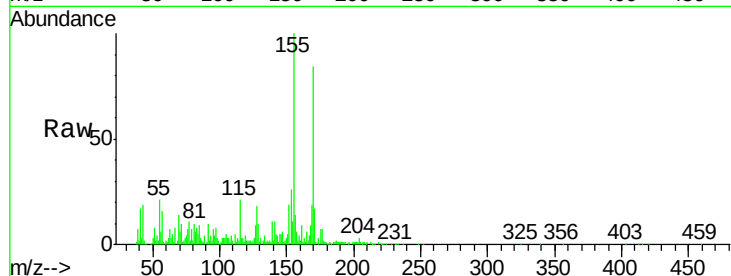




#54
 2,4-Dinitrotoluene
 Concen: 2.23 ng/ul
 RT: 15.23 min Scan# 2109
 Delta R.T. 0.00 min
 Lab File: BG025310.D
 Acq: 18 Dec 2016 14:31

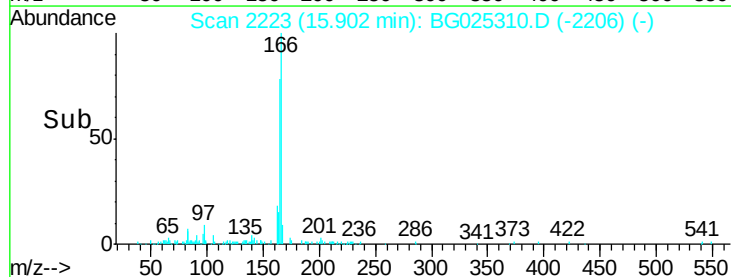
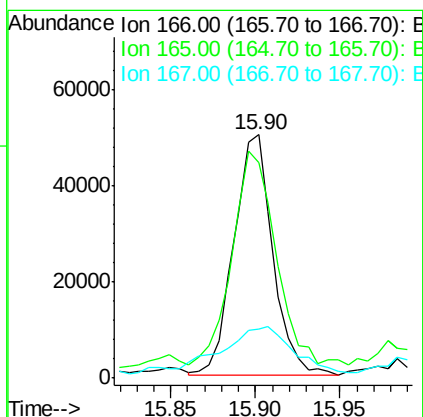
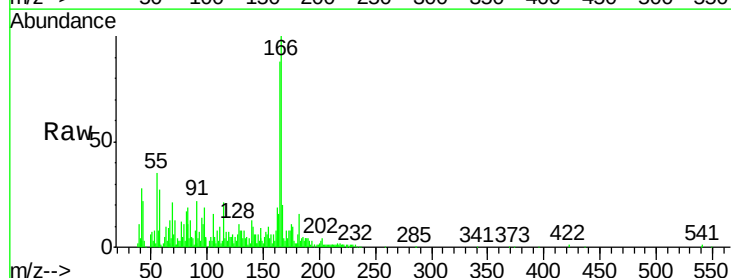
Instrument :
 BNA_G
 ClientSampleId :

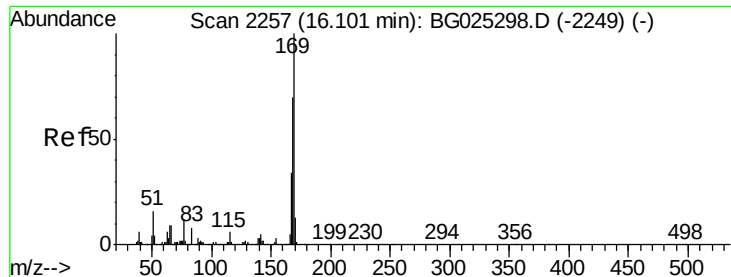
Tot Ion:165 Resp: 10398
 Ion Ratio Lower Upper
 165 100
 63 117.3 46.8 70.2#
 182 17.9 1.8 2.6#



#58
 Fluorene
 Concen: 5.82 ng/ul
 RT: 15.90 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG025310.D
 Acq: 18 Dec 2016 14:31

Tgt Ion:166 Resp: 79970
 Ion Ratio Lower Upper
 166 100
 165 88.3 79.7 119.5
 167 20.2 11.4 17.2#





#64

N-Nitrosodiphenylamine

Concen: 4.05 ng/ul

RT: 16.09 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BG025310.D

Acq: 18 Dec 2016 14:31

Instrument :

BNA_G

ClientSampleId :

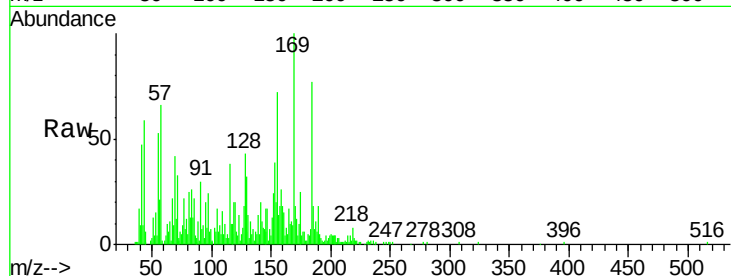
Tot Ion:169 Resp: 47282

Ion Ratio Lower Upper

169 100

168 8.8 59.1 88.7#

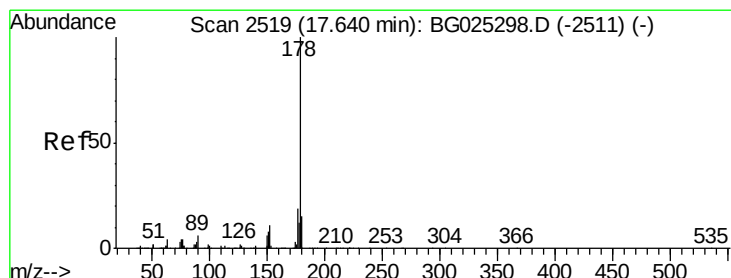
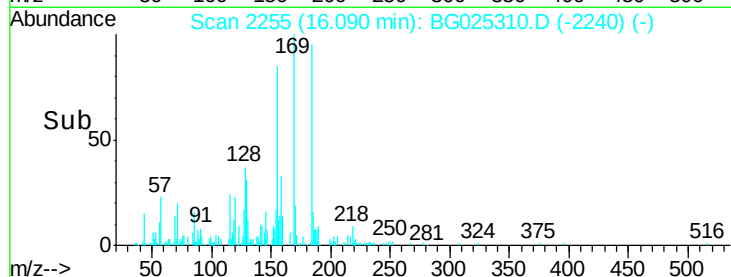
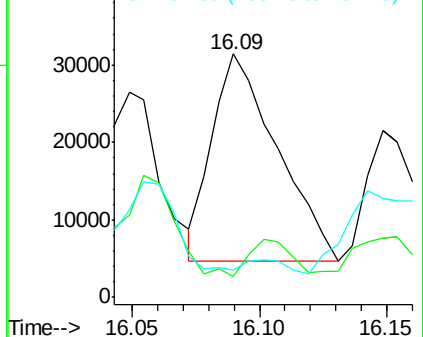
167 11.3 29.7 44.5#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 7.51 ng/ul

RT: 17.64 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG025310.D

Acq: 18 Dec 2016 14:31

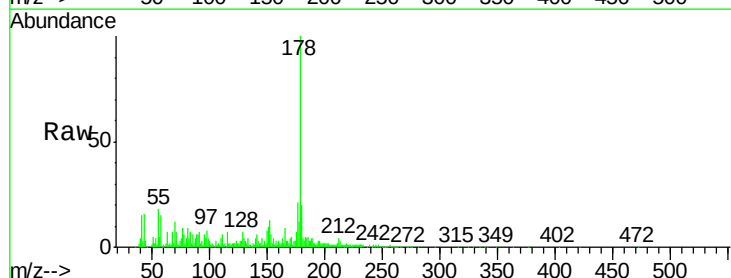
Tgt Ion:178 Resp: 162513

Ion Ratio Lower Upper

178 100

179 19.5 12.4 18.6#

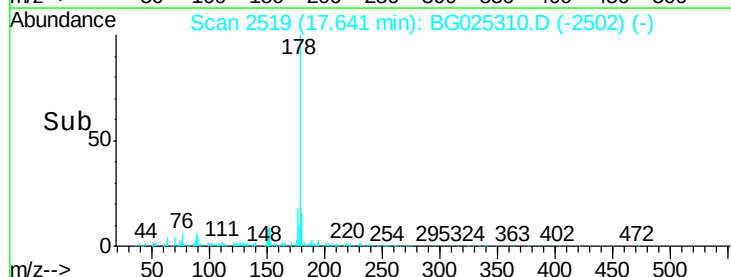
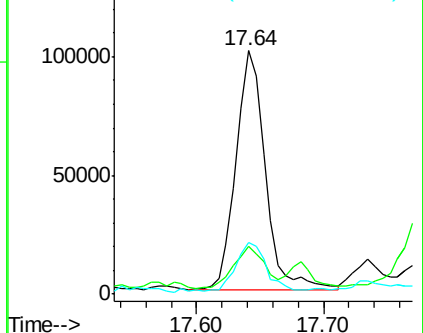
176 21.2 16.5 24.7

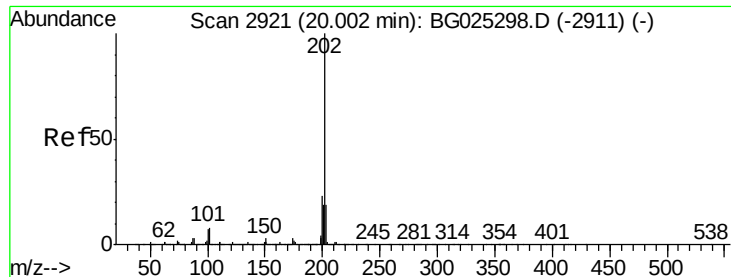


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

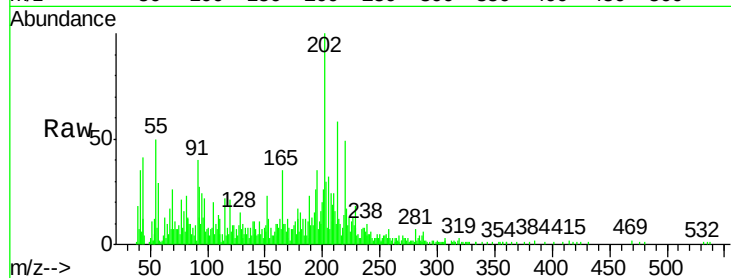




#77
 Pvrene
 Concen: 1.28 ng/ul
 RT: 20.00 min Scan# 2921
 Delta R.T. 0.00 min
 Lab File: BG025310.D
 Acq: 18 Dec 2016 14:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.9	10.3
100	4.3	6.6	10.0



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

