

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
 Data File : BG025281.D
 Acq On : 17 Dec 2016 19:29
 Operator : UM/SJ
 Sample : H6040-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 00:24:30 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 00:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	76628	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	307334	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	241459	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	498649	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	634908	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	664413	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	5529	3.73	ng/uL	0.00
5) Phenol-d5	7.40	99	132464	20.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	84639	20.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	93410	20.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	109342	19.79	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	52446	24.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	58272	21.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	113960	21.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	43112	8.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	380791	22.93	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	432514	23.77	ng/ul	0.00
51) 4-Nitrophenol-d4	15.11	143	84146	29.48	ng/ul	0.02
57) Fluorene-d10	15.85	176	386668	24.73	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.99	200	88310	28.64	ng/ul	0.01
70) Anthracene-d10	17.70	188	560138	26.61	ng/ul	0.00
76) Pyrene-d10	19.98	212	667205	25.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.11	264	677090	25.15	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	7.36	77	8880	1.78	ng/ul# 1
6) Phenol	7.42	94	16166	2.38	ng/ul# 73
25) Bis(2-Chloroethoxy)methane	10.46	93	11162	1.73	ng/ul# 85
27) 2,4-Dichlorophenol	10.68	162	18956	3.74	ng/ul# 42
28) Naphthalene	11.11	128	287585	20.13	ng/ul 96
34) 2-Methylnaphthalene	12.70	142	447636	39.70	ng/ul 93
40) 1,1'-Biphenyl	13.69	154	148848	10.17	ng/ul 96
44) Dimethylphthalate	14.30	163	57575	3.53	ng/ul# 97
47) Acenaphthylene	14.58	152	26180	1.48	ng/ul# 1
49) Acenaphthene	14.92	153	63773	5.26	ng/ul# 92
53) Dibenzofuran	15.25	168	193069	10.07	ng/ul 99
54) 2,4-Dinitrotoluene	15.24	165	10507	1.99	ng/ul# 1
58) Fluorene	15.90	166	316880	20.31	ng/ul# 99
64) N-Nitrosodiphenylamine	16.10	169	50624	3.95	ng/ul# 56
69) Phenanthrene	17.65	178	346643	14.56	ng/ul# 93
71) Anthracene	17.74	178	110940	4.53	ng/ul# 88
72) Carbazole	18.01	167	42567	2.09	ng/ul# 80
74) Fluoranthene	19.65	202	94015	3.32	ng/ul# 94
77) Pyrene	20.01	202	168944	5.54	ng/ul 98
80) Benzo(a)anthracene	21.88	228	54344	1.65	ng/ul# 43
82) Chrysene	21.95	228	45229	1.47	ng/ul# 31

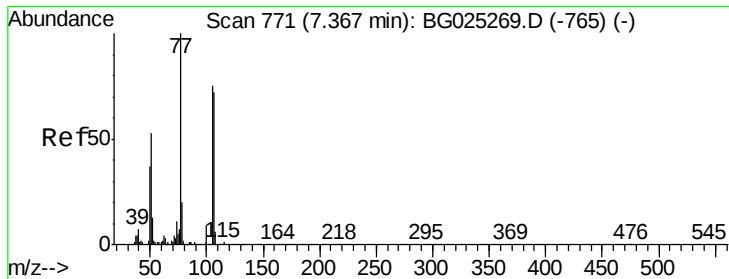
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121716\
Data File : BG025281.D
Acq On : 17 Dec 2016 19:29
Operator : UM/SJ
Sample : H6040-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
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Quant Time: Dec 18 00:24:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 18 00:18:21 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#4

Benzaldehyde

Concen: 1.78 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

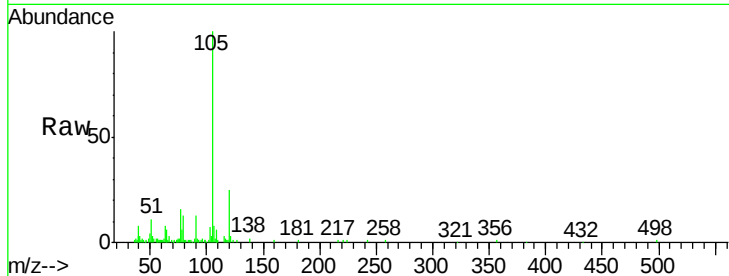
Tot Ion: 77 Resp: 8880

Ion Ratio Lower Upper

77 100

105 617.9 62.0 93.0#

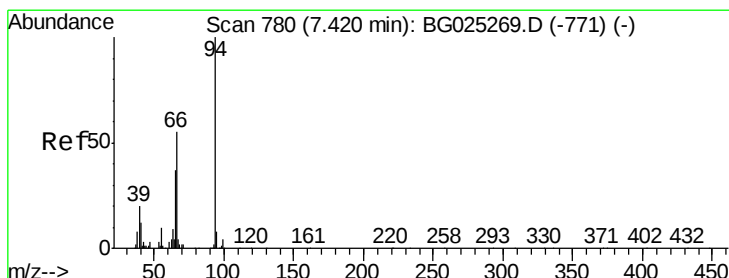
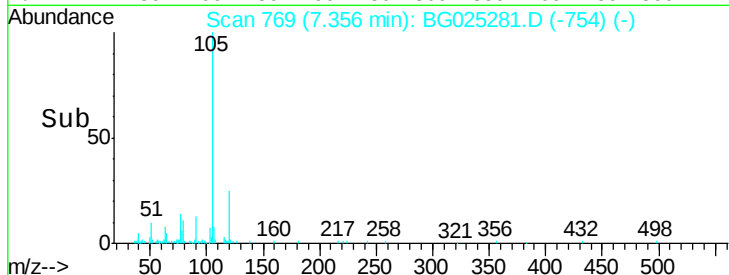
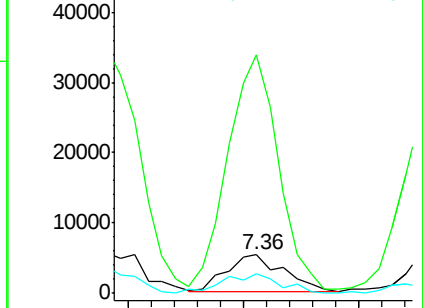
106 51.2 60.2 90.4#



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



#6

Phenol

Concen: 2.38 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

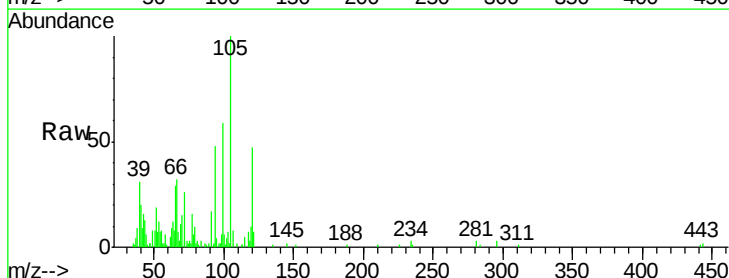
Tgt Ion: 94 Resp: 16166

Ion Ratio Lower Upper

94 100

65 61.0 26.8 40.2#

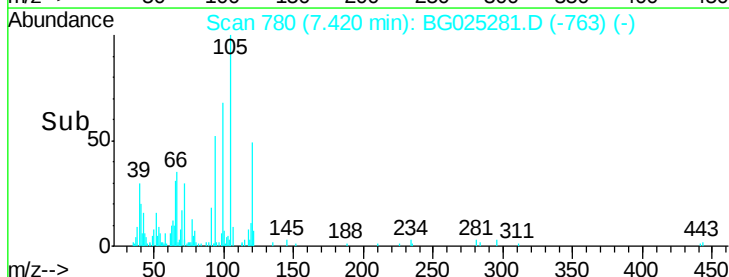
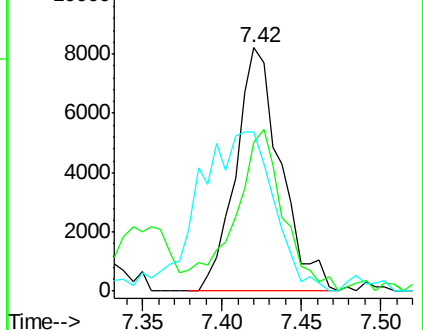
66 65.6 44.4 66.6

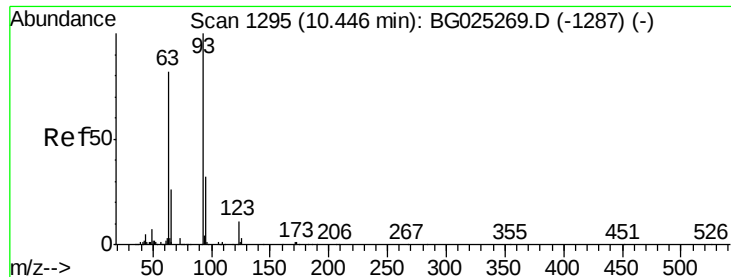


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#25

Bis(2-Chloroethoxy)methane

Concen: 1.73 ng/ul

RT: 10.46 min Scan# 1297

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

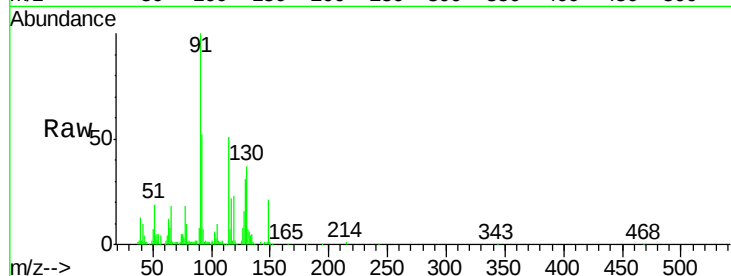
Tot Ion: 93 Resp: 11162

Ion Ratio Lower Upper

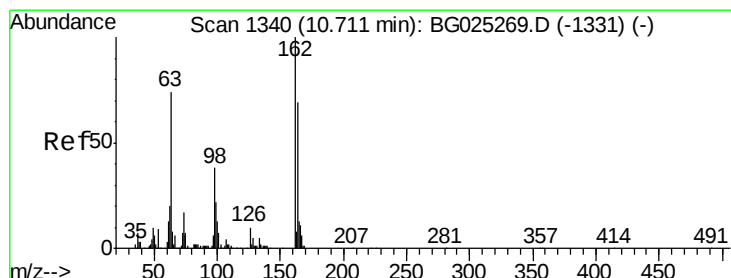
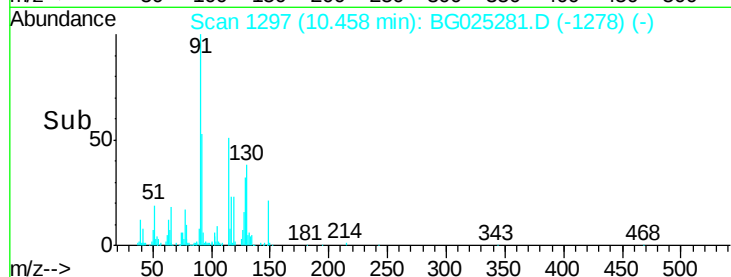
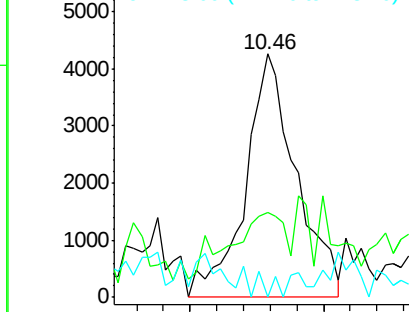
93 100

95 34.9 23.4 35.0

123 0.0 7.8 11.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): BGC



#27

2,4-Dichlorophenol

Concen: 3.74 ng/ul

RT: 10.68 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

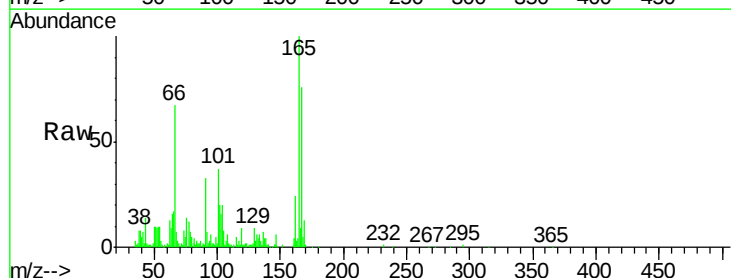
Tgt Ion: 162 Resp: 18956

Ion Ratio Lower Upper

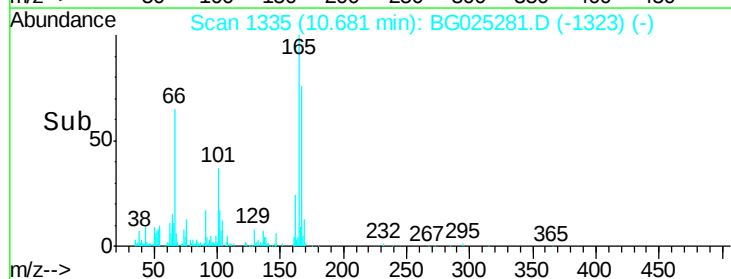
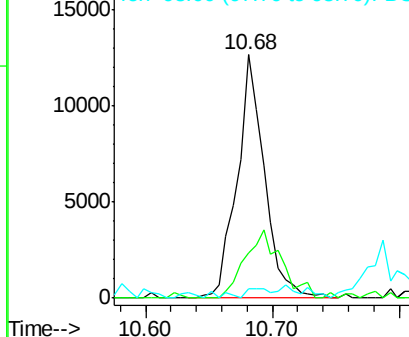
162 100

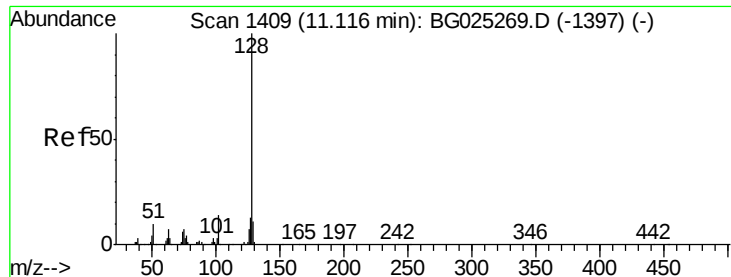
164 18.7 50.8 76.2#

98 3.6 32.1 48.1#



Abundance Ion 162.00 (161.70 to 162.70): BGC
Ion 164.00 (163.70 to 164.70): BGC
Ion 98.00 (97.70 to 98.70): BGC

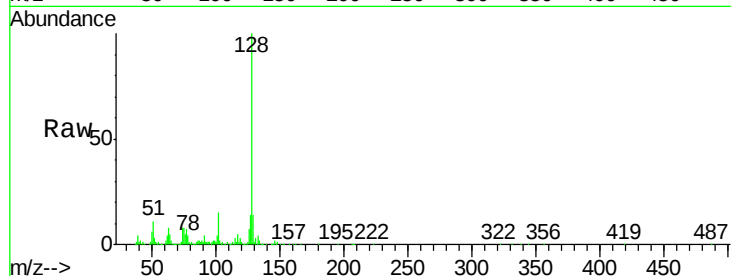




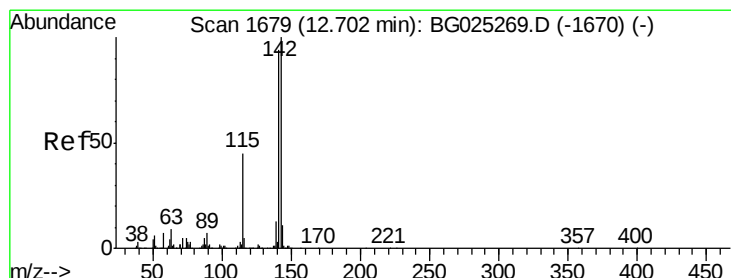
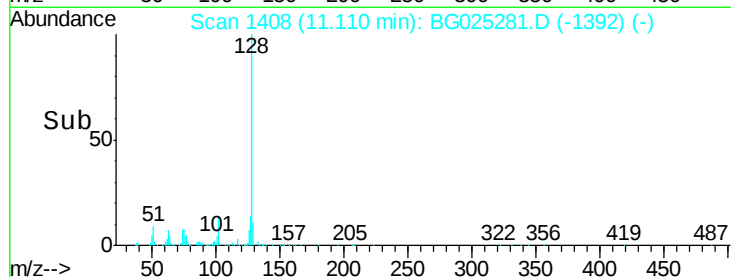
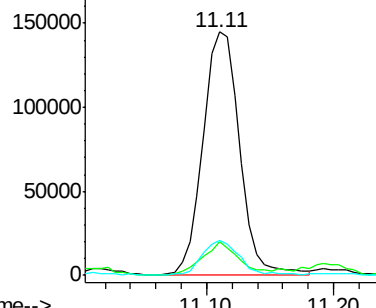
#28
Naphthalene
Concen: 20.13 ng/ul
RT: 11.11 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BG025281.D
Acq: 17 Dec 2016 19:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.4	14.2
127	14.2	10.3	15.5

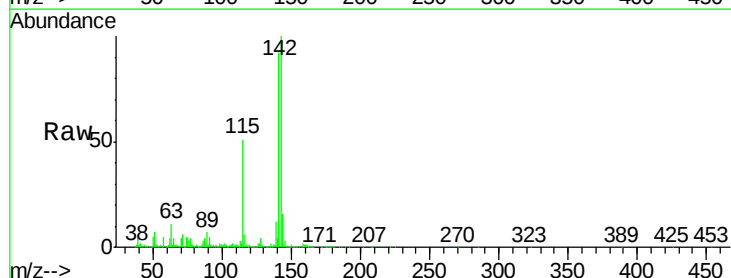


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

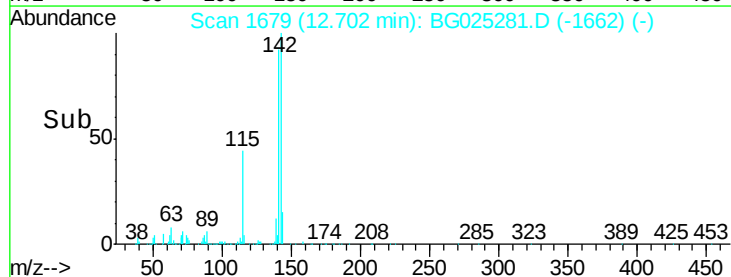
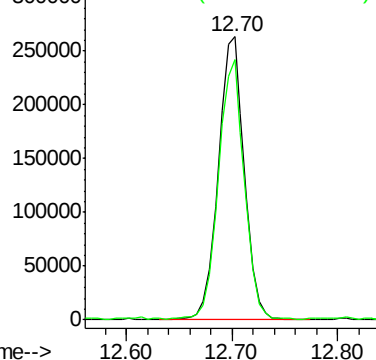


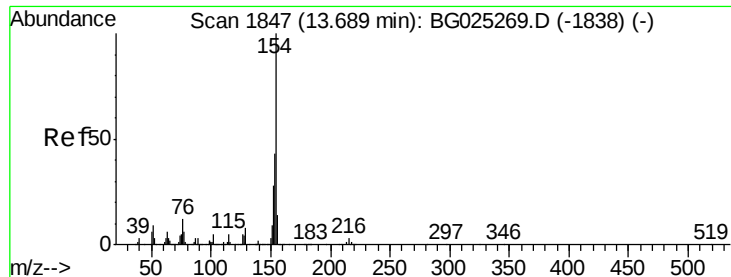
#34
2-Methylnaphthalene
Concen: 39.70 ng/ul
RT: 12.70 min Scan# 1679
Delta R.T. -0.00 min
Lab File: BG025281.D
Acq: 17 Dec 2016 19:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	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: 10.17 ng/ul

RT: 13.69 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

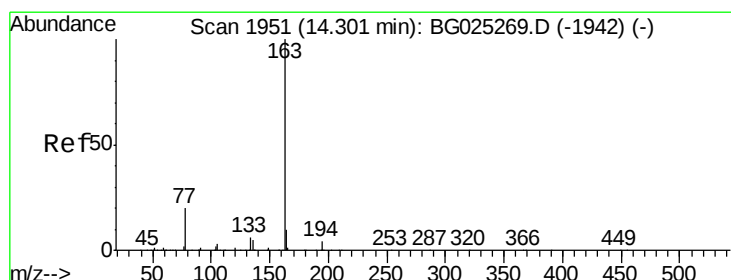
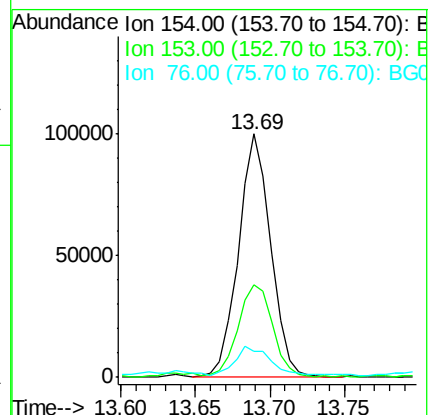
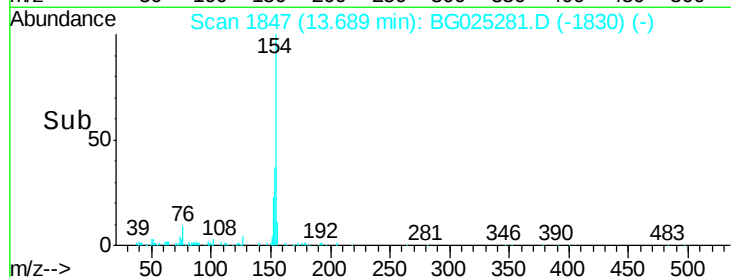
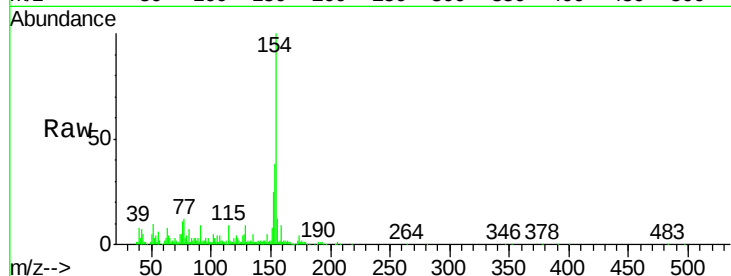
Tot Ion:154 Resp: 148848

Ion Ratio Lower Upper

154 100

153 37.9 32.2 48.2

76 10.6 9.6 14.4



#44

Dimethylphthalate

Concen: 3.53 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

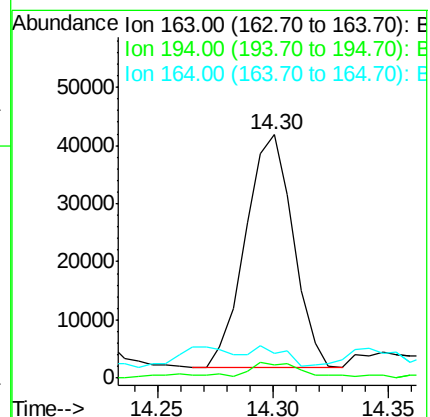
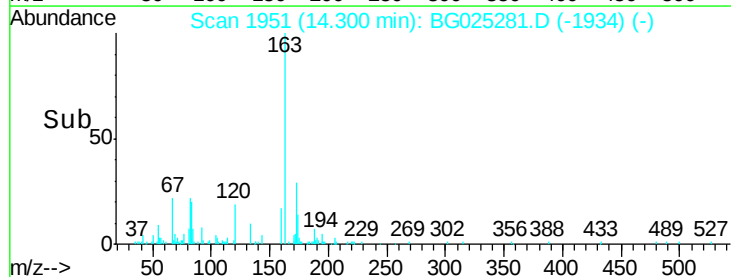
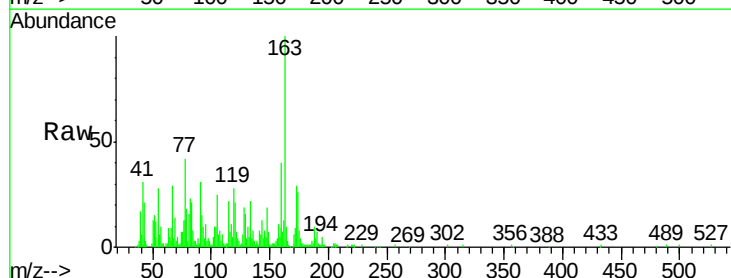
Tgt Ion:163 Resp: 57575

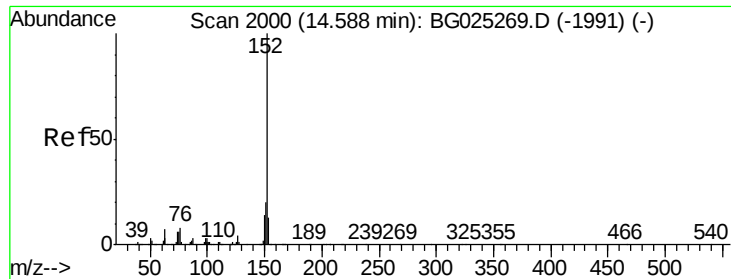
Ion Ratio Lower Upper

163 100

194 5.4 3.4 5.0#

164 10.0 9.0 13.4





#47

Acenaphthylene

Concen: 1.48 ng/ul

RT: 14.58 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

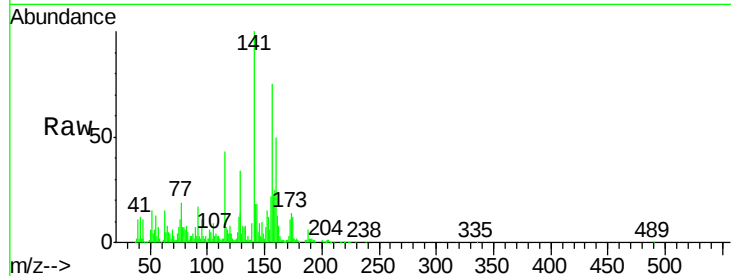
Tot Ion:152 Resp: 26180

Ion Ratio Lower Upper

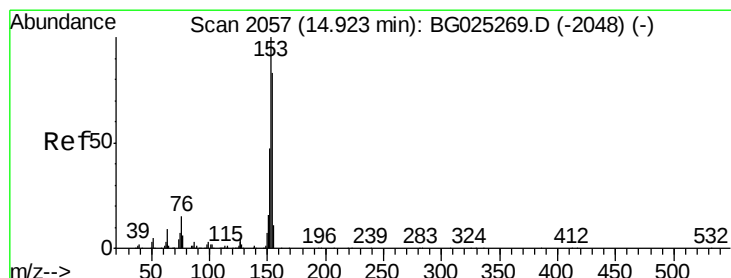
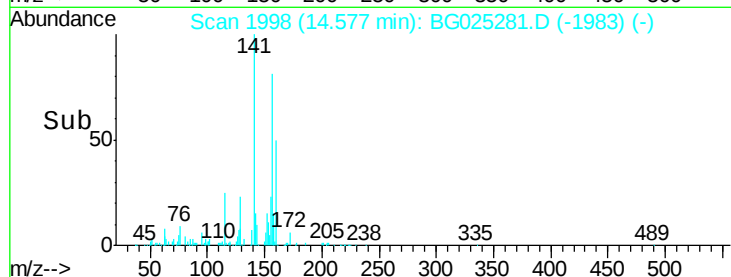
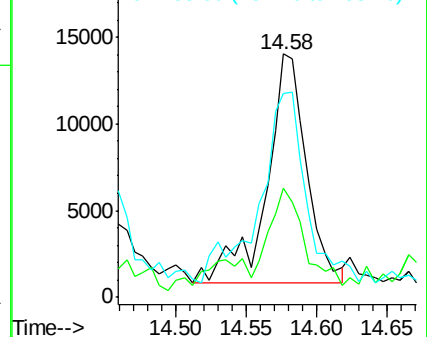
152 100

151 44.8 16.7 25.1#

153 83.6 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 5.26 ng/ul

RT: 14.92 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

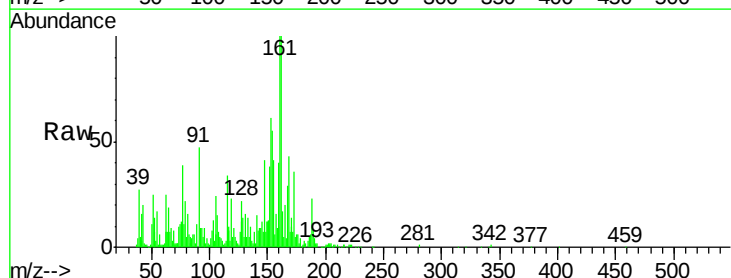
Tgt Ion:153 Resp: 63773

Ion Ratio Lower Upper

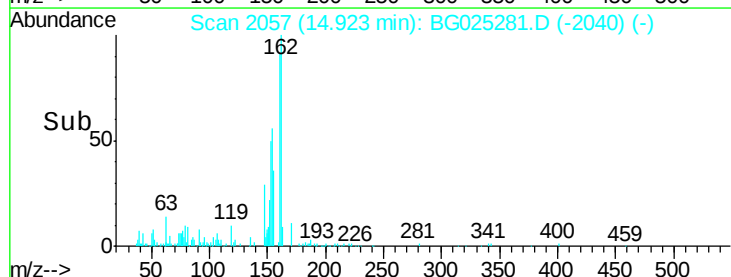
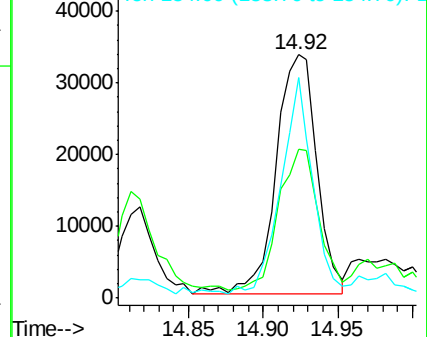
153 100

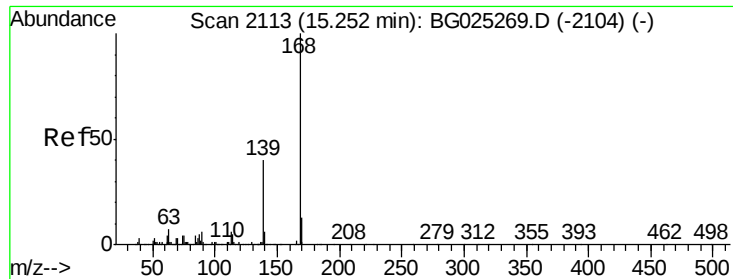
152 61.4 36.5 54.7#

154 90.5 72.3 108.5



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 10.07 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

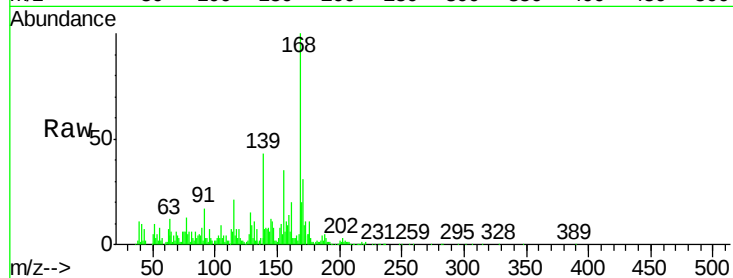
ClientSampled :

Tot Ion:168 Resp: 193069

Ion Ratio Lower Upper

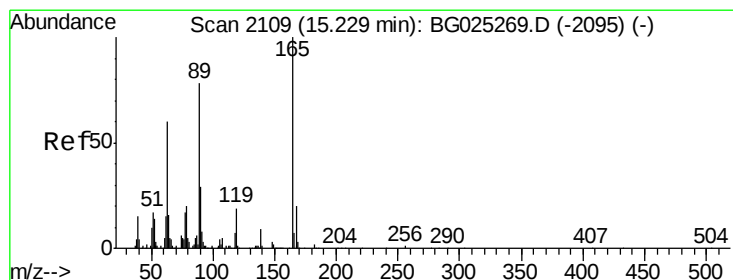
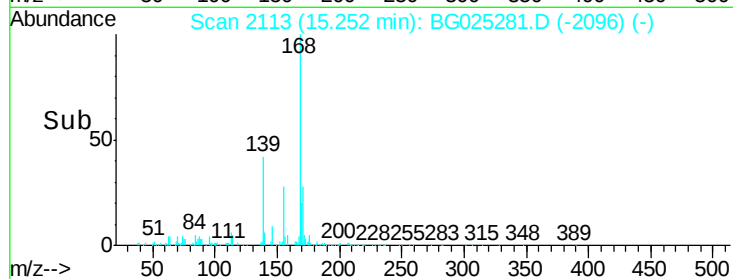
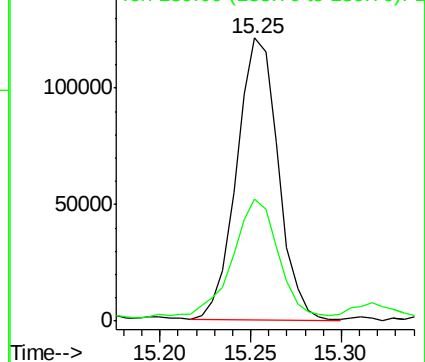
168 100

139 43.0 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: 1.99 ng/ul

RT: 15.24 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

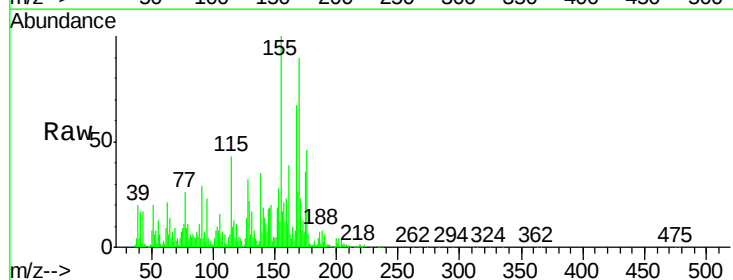
Tgt Ion:165 Resp: 10507

Ion Ratio Lower Upper

165 100

63 218.4 46.8 70.2#

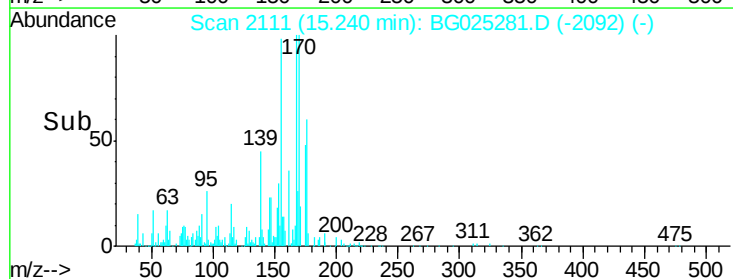
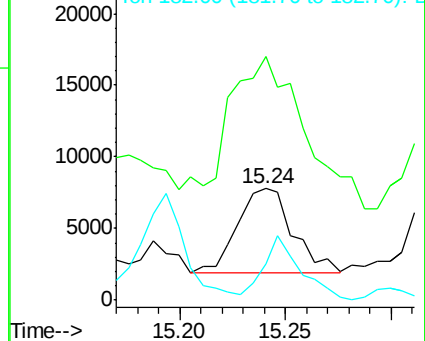
182 32.6 1.8 2.6#

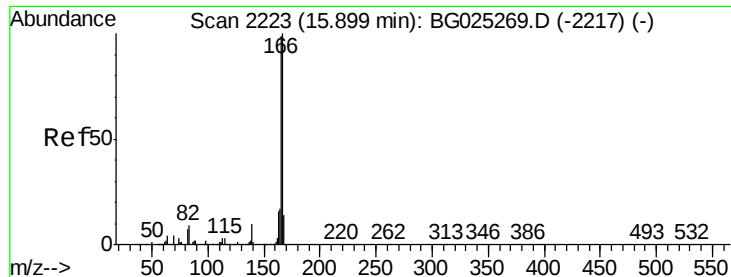


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 20.31 ng/ul

RT: 15.90 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

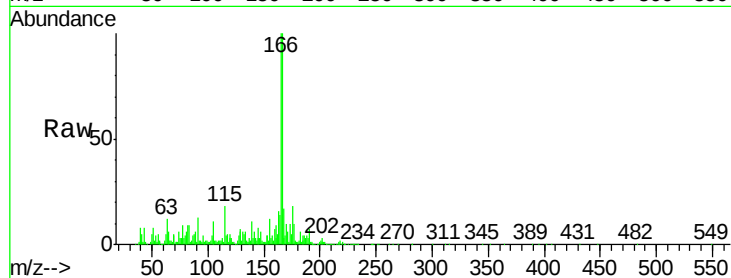
Tot Ion:166 Resp: 316880

Ion Ratio Lower Upper

166 100

165 99.9 79.7 119.5

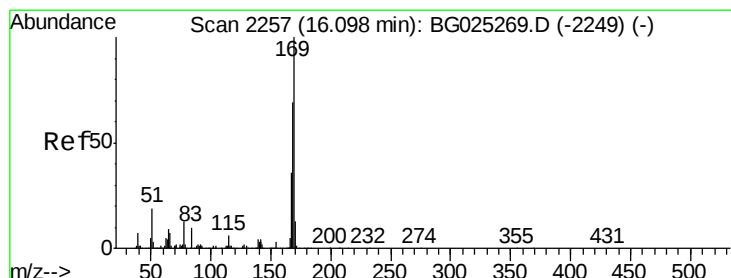
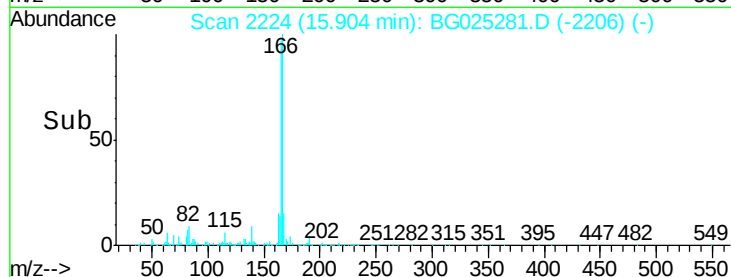
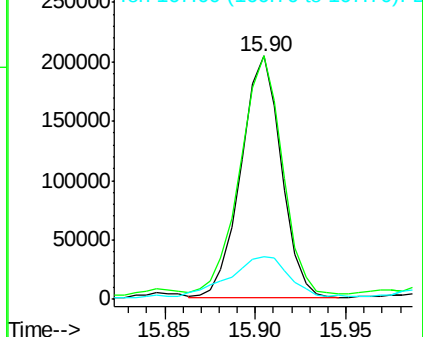
167 17.5 11.4 17.2#



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: 3.95 ng/ul

RT: 16.10 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

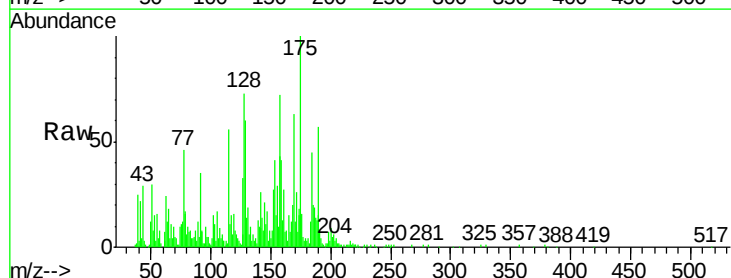
Tgt Ion:169 Resp: 50624

Ion Ratio Lower Upper

169 100

168 31.8 59.1 88.7#

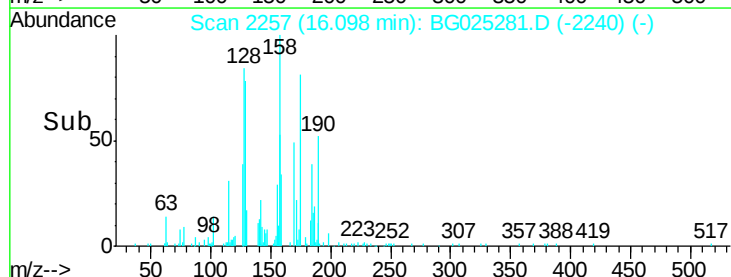
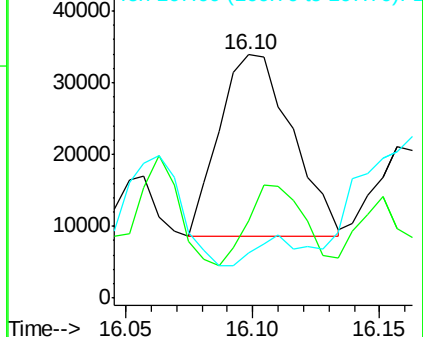
167 18.5 29.7 44.5#

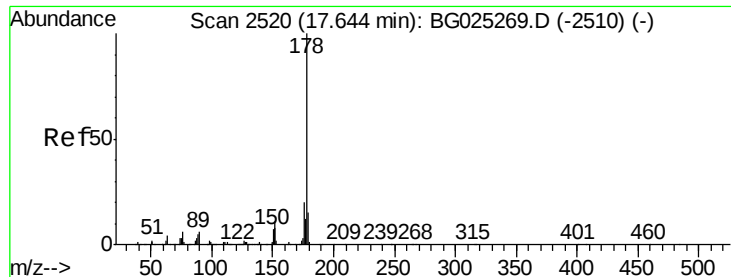


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 14.56 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

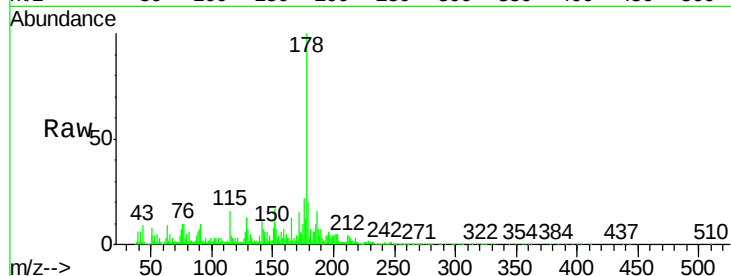
Tot Ion:178 Resp: 346643

Ion Ratio Lower Upper

178 100

179 20.3 12.4 18.6#

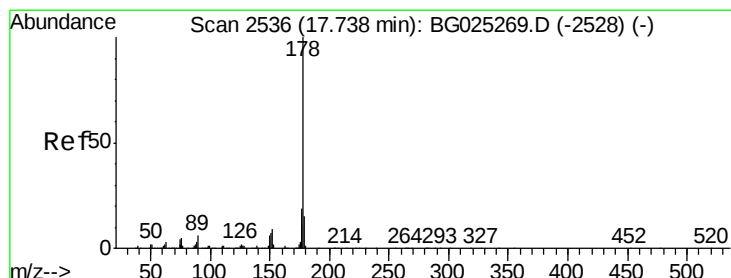
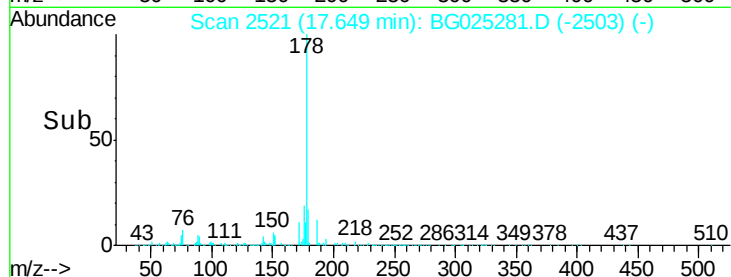
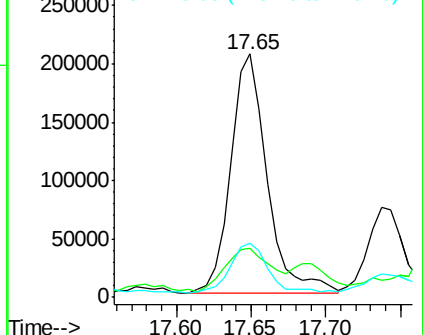
176 22.1 16.5 24.7



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



#71

Anthracene

Concen: 4.53 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

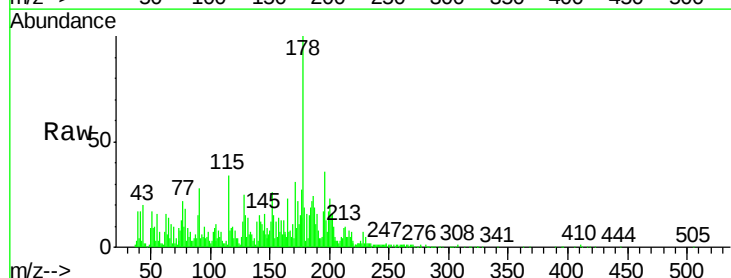
Tgt Ion:178 Resp: 110940

Ion Ratio Lower Upper

178 100

179 19.1 12.6 19.0#

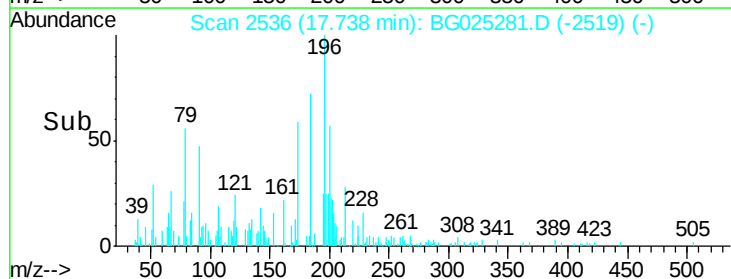
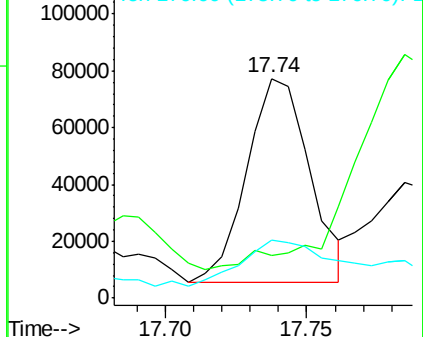
176 26.6 15.9 23.9#

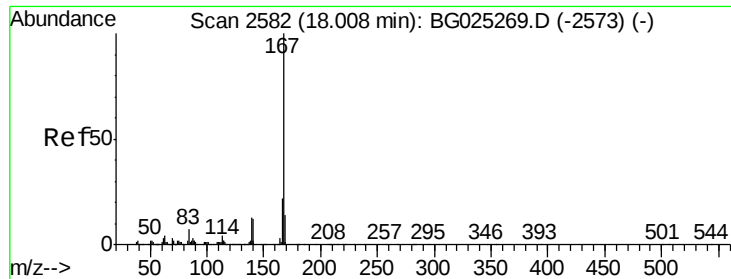


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.09 ng/ul

RT: 18.01 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

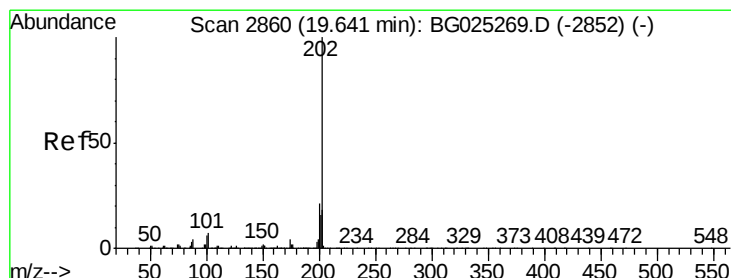
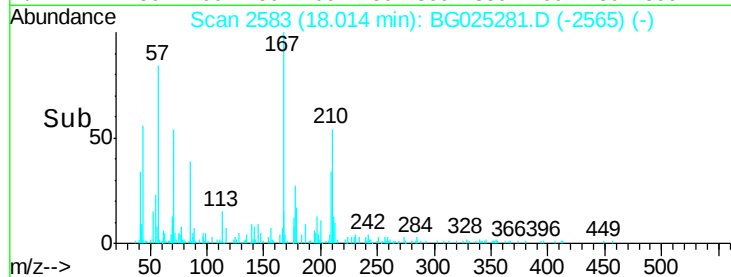
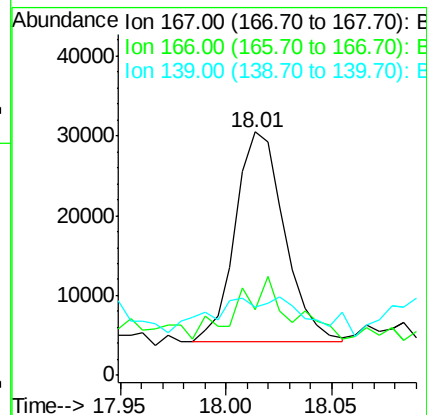
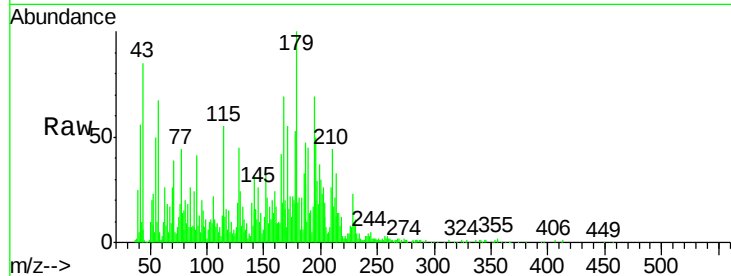
Tot Ion:167 Resp: 42567

Ion Ratio Lower Upper

167 100

166 27.0 17.9 26.9#

139 28.0 10.5 15.7#



#74

Fluoranthene

Concen: 3.32 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. 0.01 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

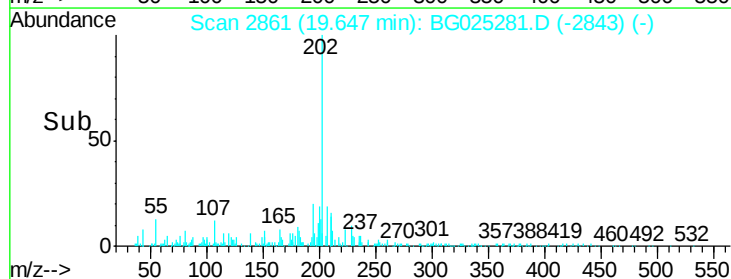
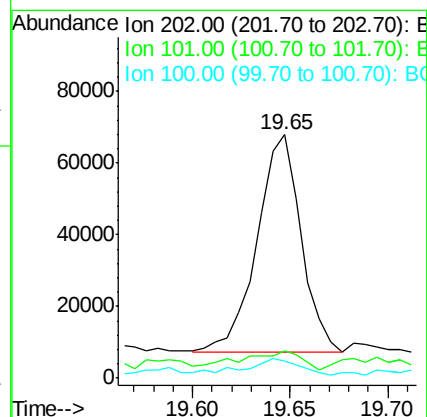
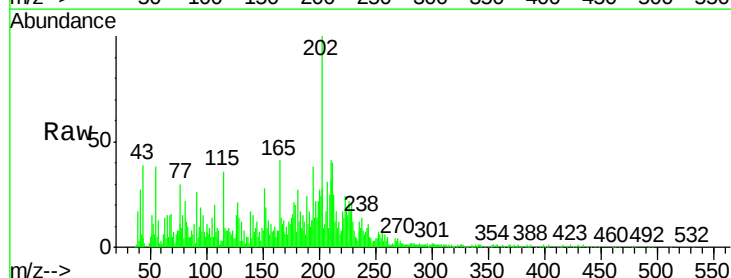
Tgt Ion:202 Resp: 94015

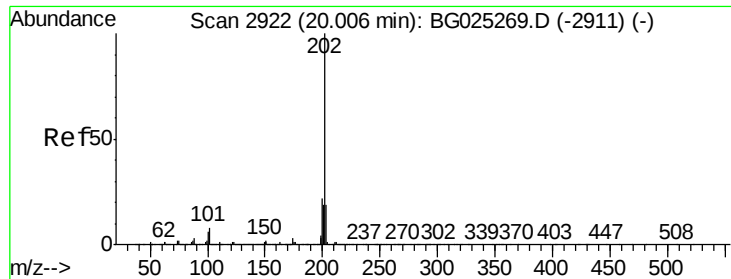
Ion Ratio Lower Upper

202 100

101 11.1 6.2 9.2#

100 6.8 5.2 7.8





#77

Pvrene

Concen: 5.54 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. -0.00 min

Lab File: BG025281.D

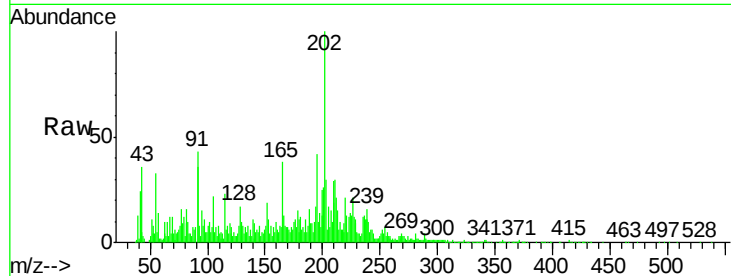
Acq: 17 Dec 2016 19:29

Instrument :

BNA_G

ClientSampleId :

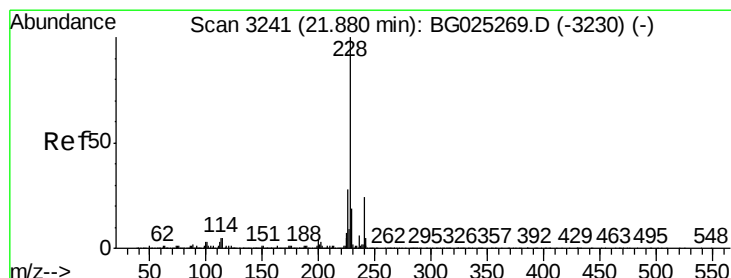
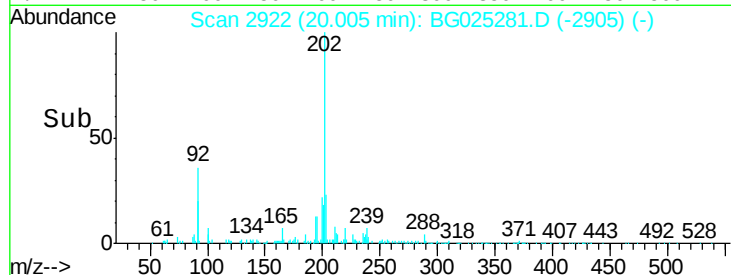
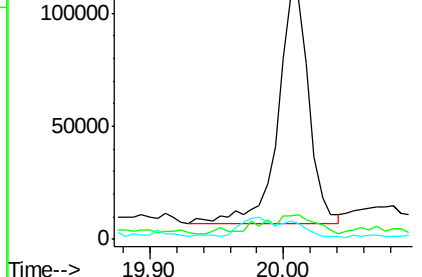
Tot Ion:	202	Resp:	168944
Ion	Ratio	Lower	Upper
202	100		
101	9.7	6.9	10.3
100	7.6	6.6	10.0



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): E



#80

Benzo(a)anthracene

Concen: 1.65 ng/ul

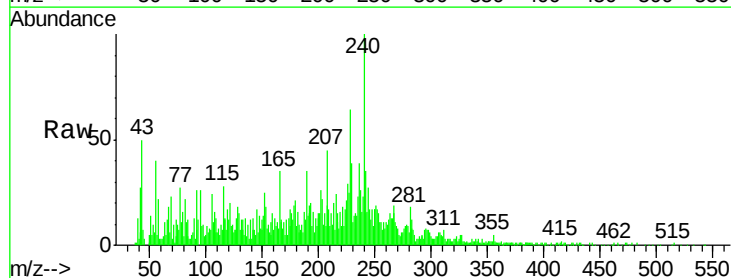
RT: 21.88 min Scan# 3241

Delta R.T. -0.00 min

Lab File: BG025281.D

Acq: 17 Dec 2016 19:29

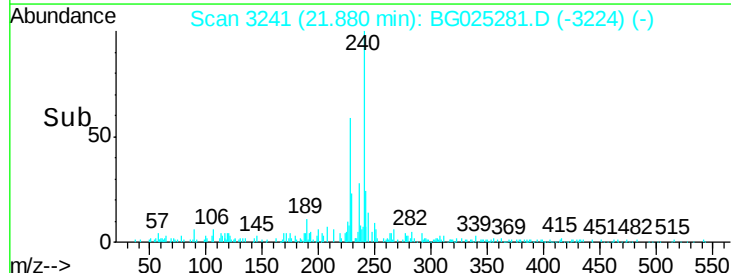
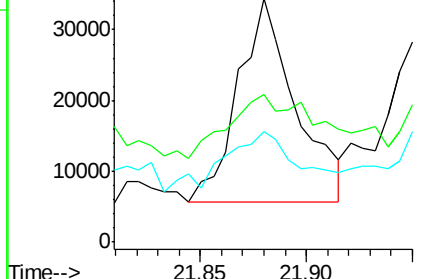
Tgt Ion:	228	Resp:	54344
Ion	Ratio	Lower	Upper
228	100		
229	60.6	16.3	24.5#
226	45.3	21.9	32.9#

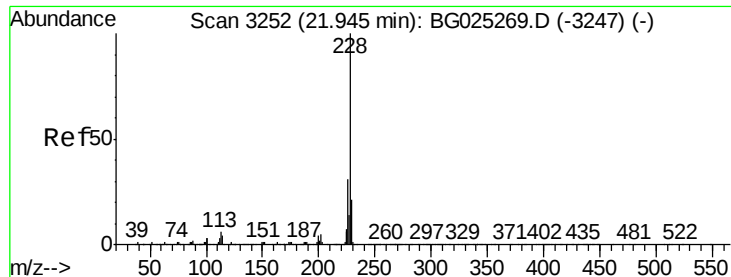


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82
 Chrvsene
 Concen: 1.47 ng/ul
 RT: 21.95 min Scan# 3253
 Delta R.T. 0.01 min
 Lab File: BG025281.D
 Acq: 17 Dec 2016 19:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	55.1	24.0	36.0#
229	68.9	16.9	25.3#

