

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020541.D
 Acq On : 26 Dec 2015 15:29
 Operator : UM/SJ
 Sample : G4802-20
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D95

Quant Time: Dec 28 01:26:24 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 01:15:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	20004	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	84417	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	59210	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	141887	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	176103	20.00	ng/ul	0.01
86) Perylene-d12	25.02	264	172854	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1587	4.38	ng/uL	0.00
5) Phenol-d5	7.23	99	38118	23.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	25732	27.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	32026	26.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	17021	12.60	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	18428	27.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	21303	28.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	36290	24.92	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	28765	17.29	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	120234	24.64	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	157176	27.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	15194	18.67	ng/ul	0.00
58) Fluorene-d10	15.70	176	121315	27.49	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	17108	18.19	ng/ul	0.02
71) Anthracene-d10	17.56	188	188098	28.30	ng/ul	0.01
79) Pyrene-d10	19.85	212	222602	29.20	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.79	264	255832	29.28	ng/ul	0.03

Target Compounds

						Qvalue
17) Hexachloroethane	9.18	117	2191	4.04	ng/ul#	1
28) Naphthalene	10.95	128	97415	21.71	ng/ul	98
30) 4-Chloroaniline	10.95	127	13612	8.12	ng/ul#	24
32) Caprolactam	11.90	113	526	1.09	ng/ul#	72
35) 1-Methylnaphthalene	12.77	142	141830	44.97	ng/ul	97
41) 1,1'-Biphenyl	13.54	154	19775	4.33	ng/ul	97
45) Dimethylphthalate	14.16	163	25787	5.20	ng/ul#	95
48) Acenaphthylene	14.44	152	61804	10.40	ng/ul#	95
50) Acenaphthene	14.78	153	82310	20.49	ng/ul	100
59) Fluorene	15.76	166	105333	21.74	ng/ul	98
61) 4-Nitroaniline	15.77	138	1709	1.63	ng/ul#	27
65) N-Nitrosodiphenylamine	15.96	169	14310	3.61	ng/ul	91
70) Phenanthrene	17.51	178	565073	71.58	ng/ul	98
72) Anthracene	17.60	178	213211	26.41	ng/ul	99
77) Fluoranthene	19.52	202	674297	67.92	ng/ul	98
80) Pyrene	19.88	202	1165743	117.06	ng/ul	98
83) Benzo(a)anthracene	21.72	228	506214	48.95	ng/ul	91
85) Chrysene	21.79	228	480872	48.81	ng/ul	96
88) Benzo(b)fluoranthene	23.98	252	342510	33.01	ng/ul	97
89) Benzo(k)fluoranthene	23.98	252	342510	34.15	ng/ul	100
91) Benzo(a)pyrene	24.86	252	378093	37.92	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.75	276	155487	13.02	ng/ul	96
93) Dibenzo(a,h)anthracene	28.80	278	54212	5.47	ng/ul#	91

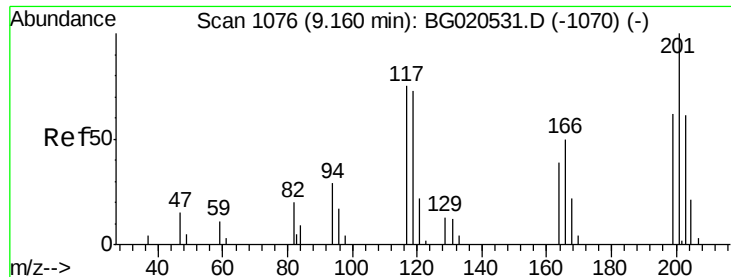
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
Data File : BG020541.D
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 01:15:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.93	276	168588	17.19	ng/ul	97

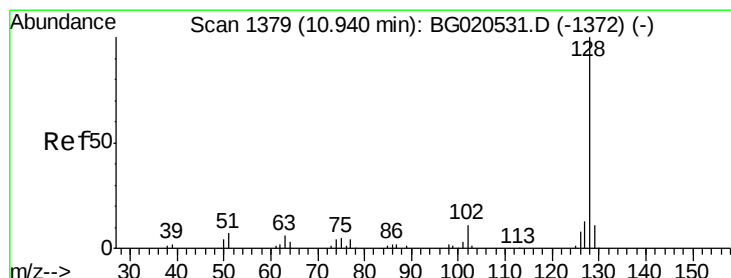
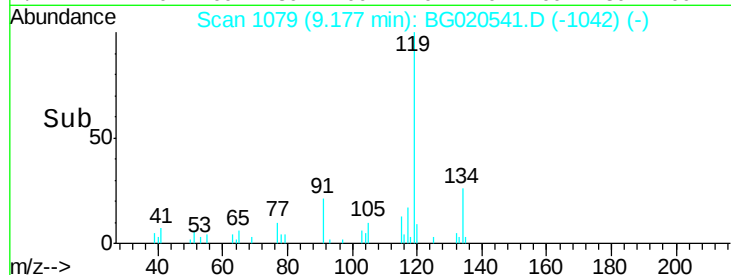
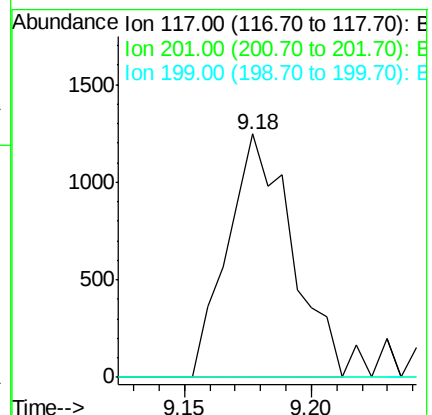
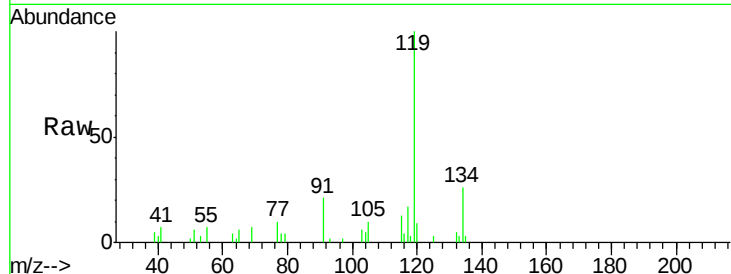
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#17
Hexachloroethane
Concen: 4.04 ng/ul
RT: 9.18 min Scan# 1079
Delta R.T. 0.02 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

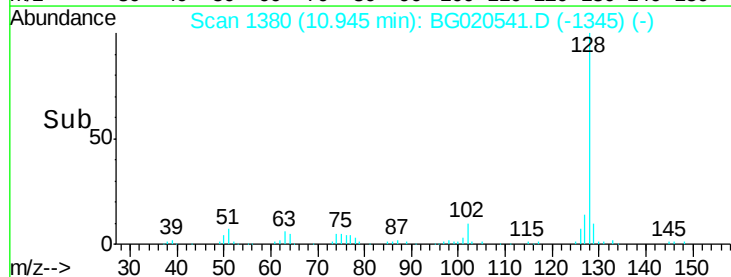
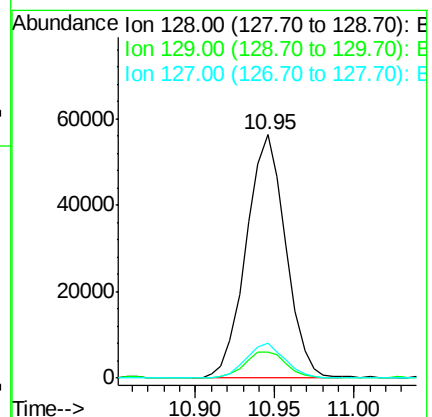
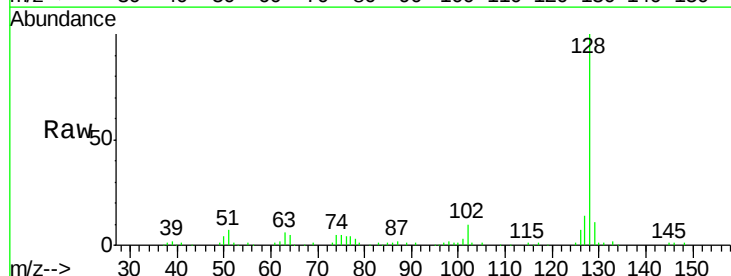
Instrument :
BNA_G
ClientSampleId :
G9D95

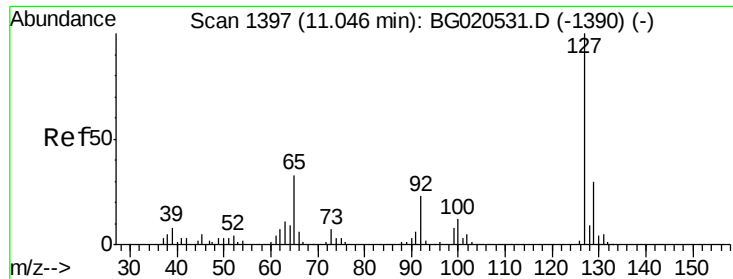
Tgt Ion:117 Resp: 2191
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#



#28
Naphthalene
Concen: 21.71 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion:128 Resp: 97415
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 14.2 10.1 15.1

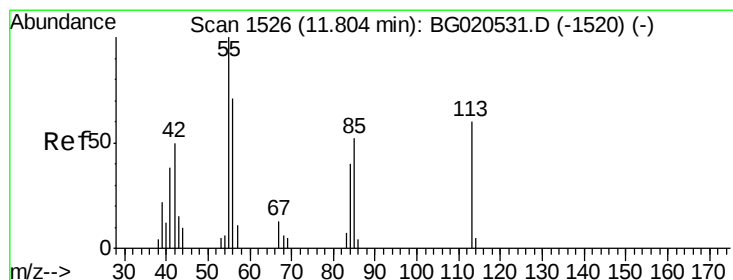
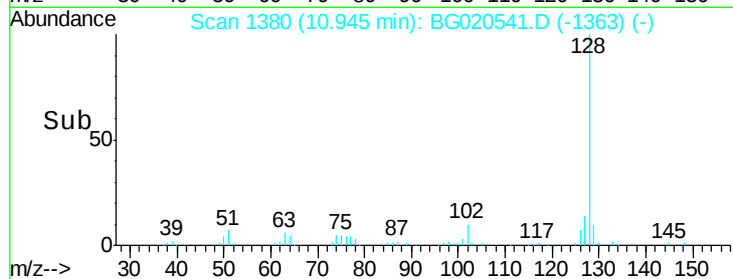
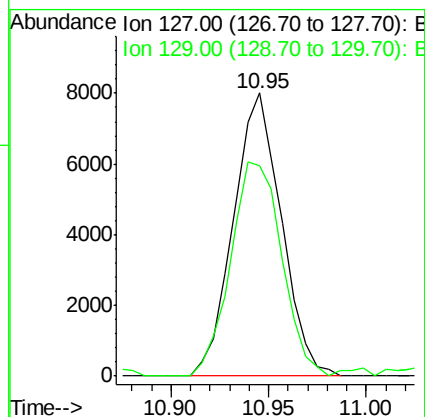
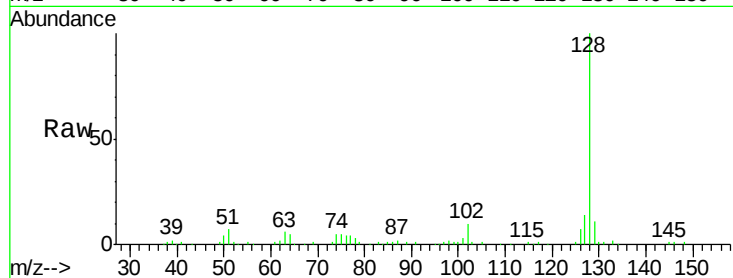




#30
4-Chloroaniline
Concen: 8.12 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. -0.10 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

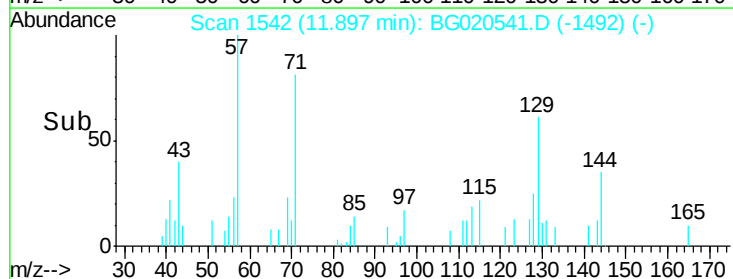
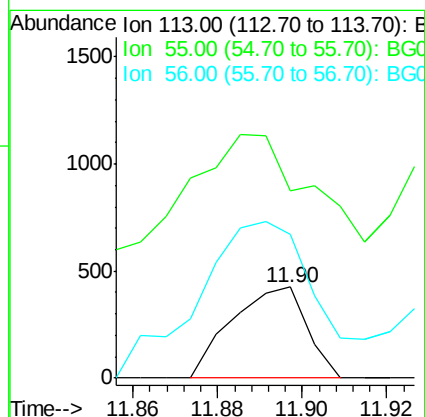
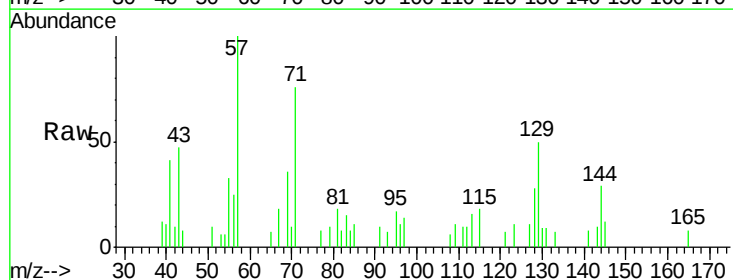
Instrument :
BNA_G
ClientSampleId :
G9D95

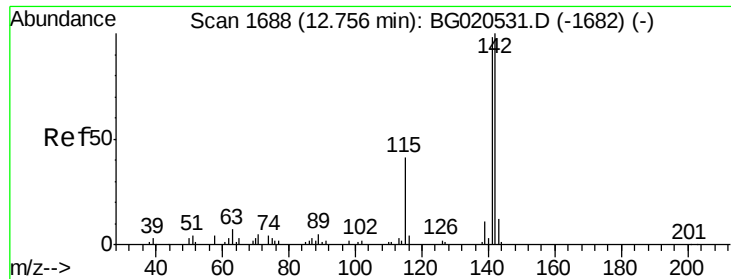
Tgt Ion:127 Resp: 13612
Ion Ratio Lower Upper
127 100
129 74.5 25.7 38.5#



#32
Caprolactam
Concen: 1.09 ng/ul
RT: 11.90 min Scan# 1542
Delta R.T. 0.09 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion:113 Resp: 526
Ion Ratio Lower Upper
113 100
55 205.2 132.1 198.1#
56 157.9 103.3 154.9#

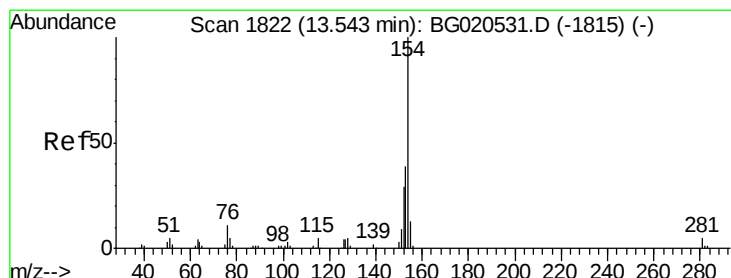
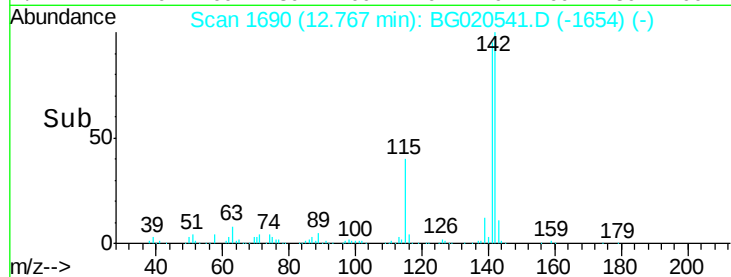
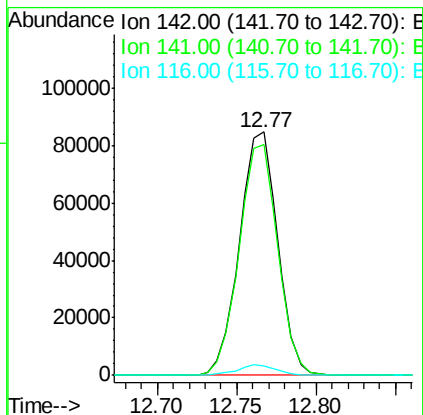
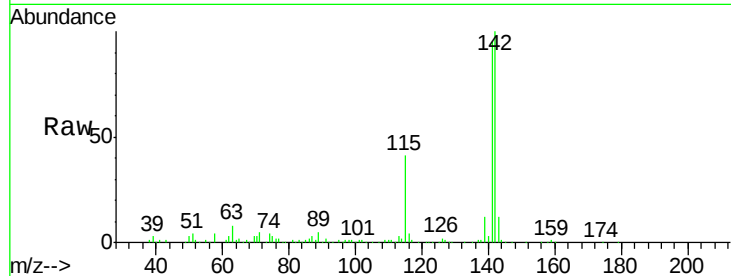




#35
 1-Methylnaphthalene
 Concen: 44.97 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BG020541.D
 Acq: 26 Dec 2015 15:29

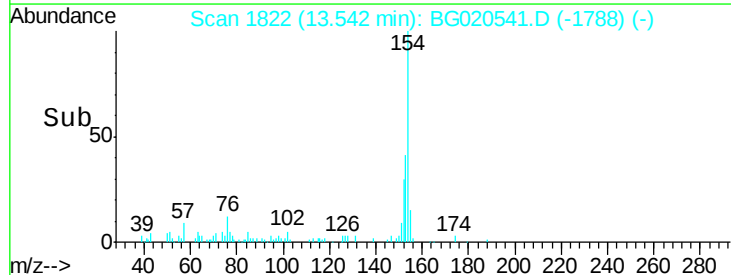
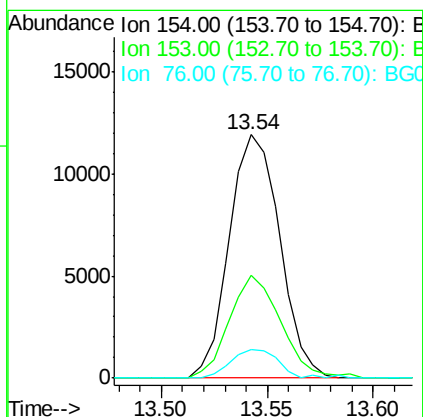
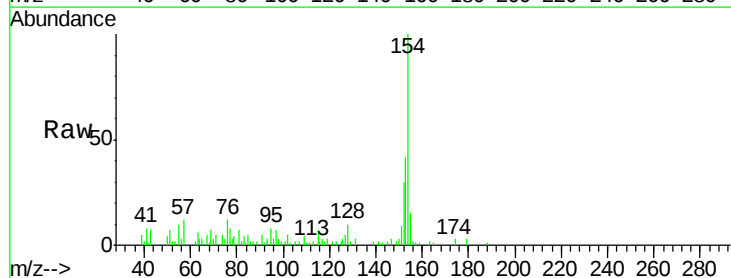
Instrument :
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 ClientSampleId :
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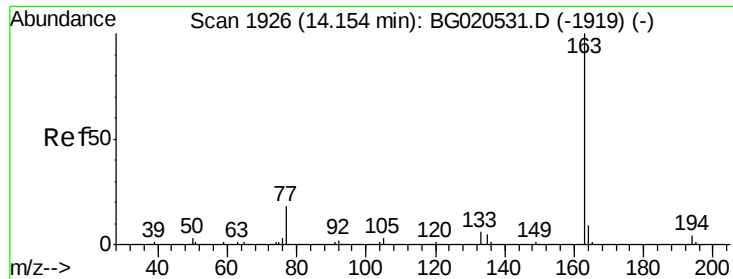
Tgt Ion:142 Resp: 141830
 Ion Ratio Lower Upper
 142 100
 141 94.7 73.0 109.6
 116 4.1 3.0 4.6



#41
 1,1'-Biphenyl
 Concen: 4.33 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG020541.D
 Acq: 26 Dec 2015 15:29

Tgt Ion:154 Resp: 19775
 Ion Ratio Lower Upper
 154 100
 153 42.5 35.5 53.3
 76 11.7 10.4 15.6

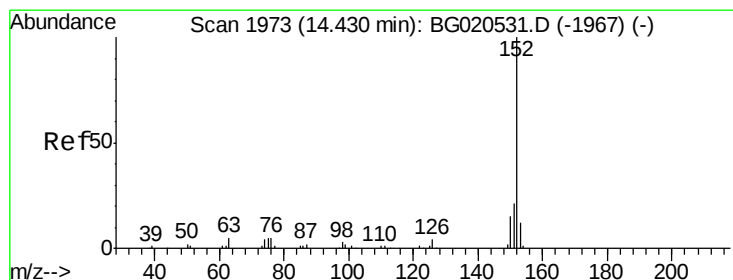
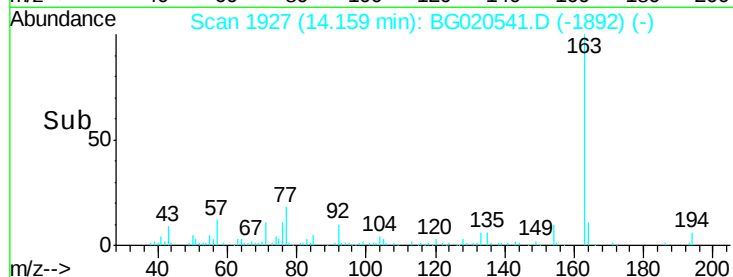
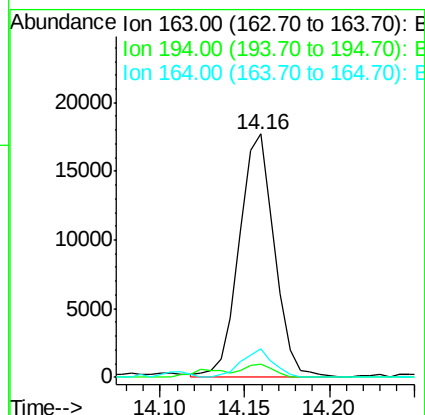
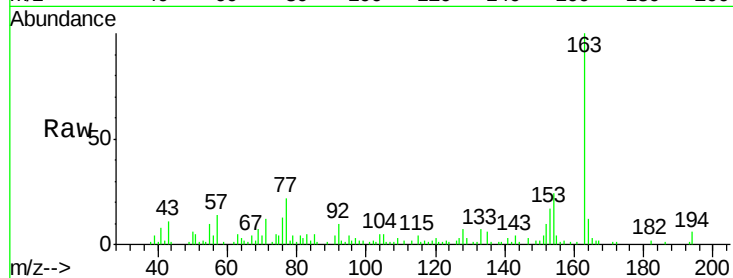




#45
Dimethylphthalate
Concen: 5.20 ng/ul
RT: 14.16 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

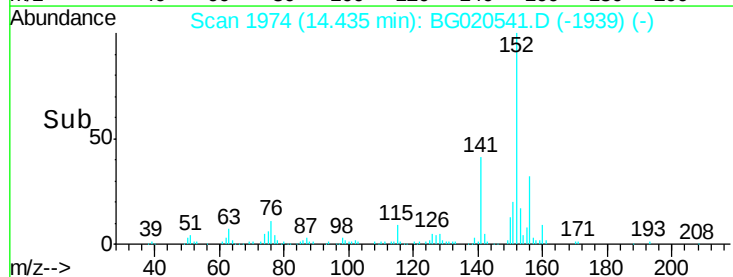
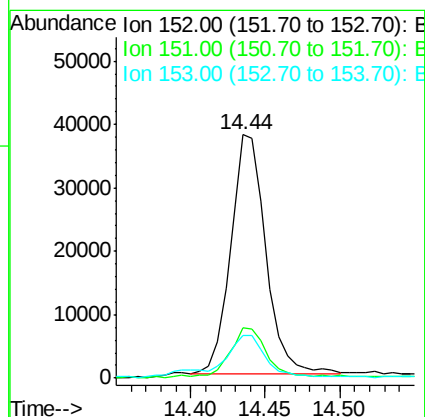
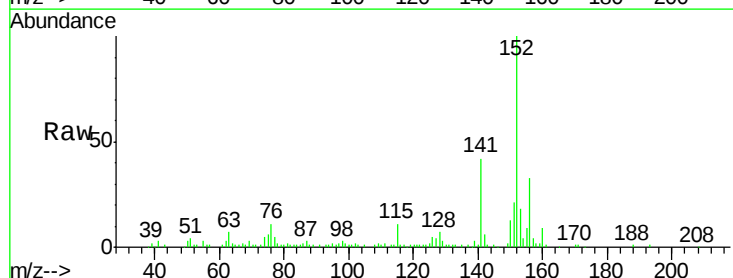
Instrument :
BNA_G
ClientSampleId :
G9D95

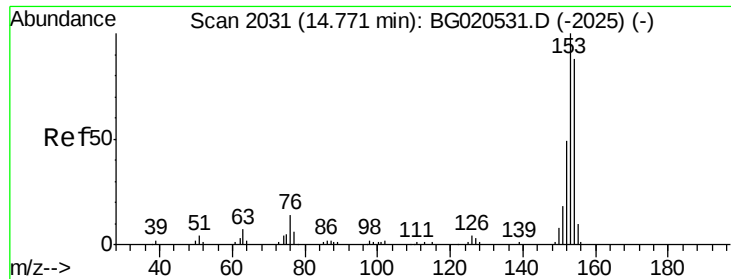
Tgt Ion:163 Resp: 25787
Ion Ratio Lower Upper
163 100
194 5.6 3.5 5.3#
164 11.7 7.7 11.5#



#48
Acenaphthylene
Concen: 10.40 ng/ul
RT: 14.44 min Scan# 1974
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion:152 Resp: 61804
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 17.7 10.4 15.6#





#50

Acenaphthene

Concen: 20.49 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

ClientSampleId :

G9D95

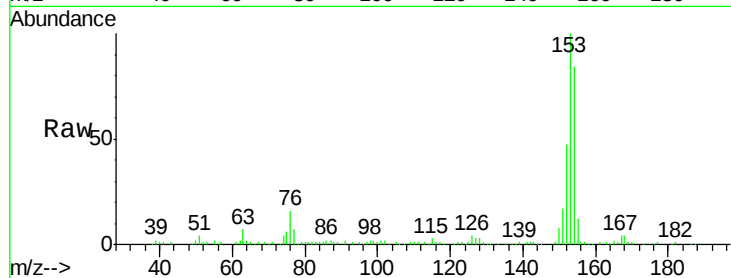
Tgt Ion:153 Resp: 82310

Ion Ratio Lower Upper

153 100

152 47.2 37.6 56.4

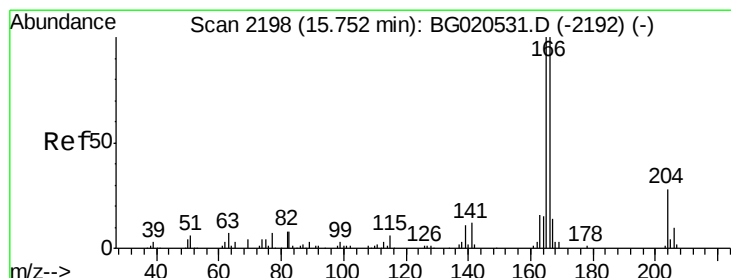
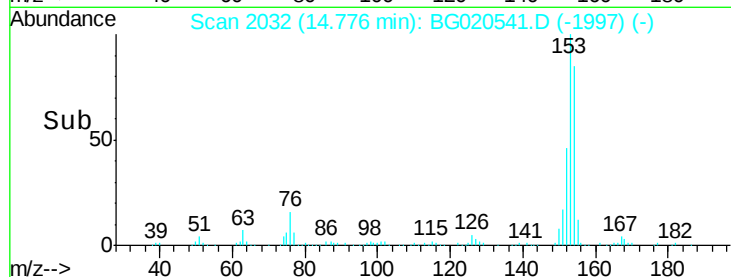
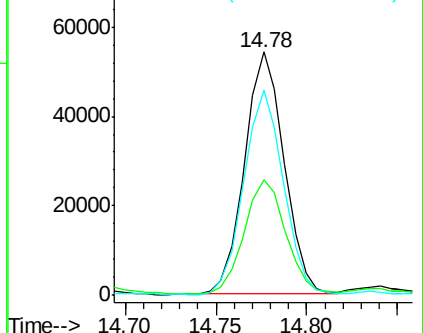
154 84.5 67.9 101.9



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



#59

Fluorene

Concen: 21.74 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

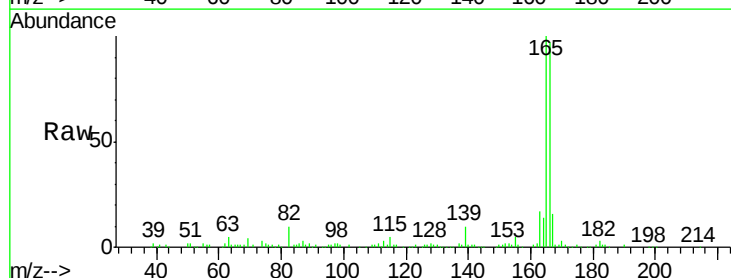
Tgt Ion:166 Resp: 105333

Ion Ratio Lower Upper

166 100

165 103.3 81.4 122.0

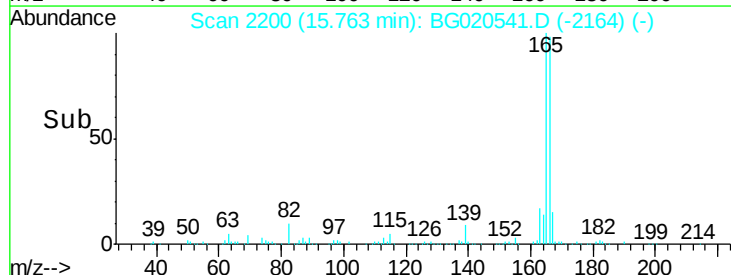
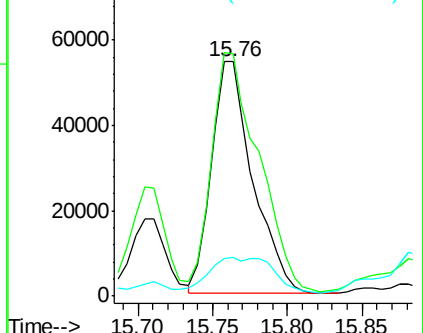
167 16.3 11.2 16.8

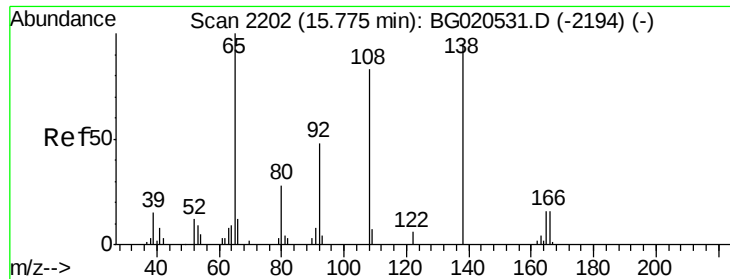


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

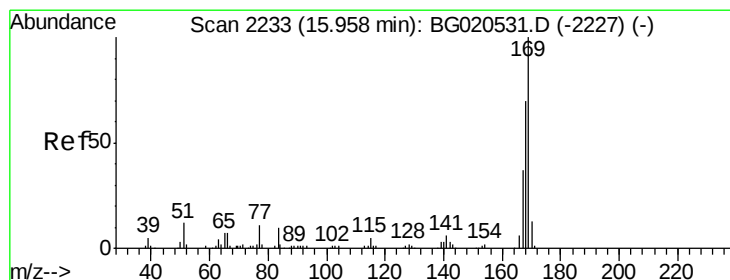
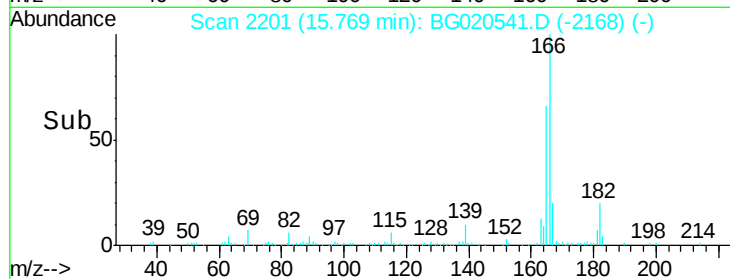
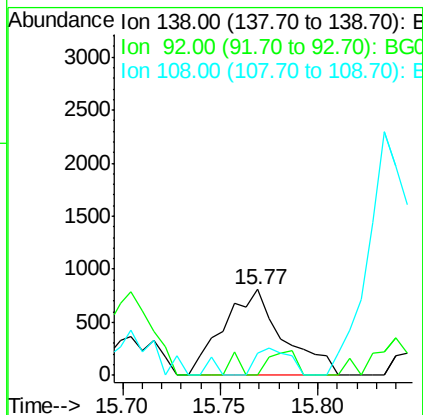
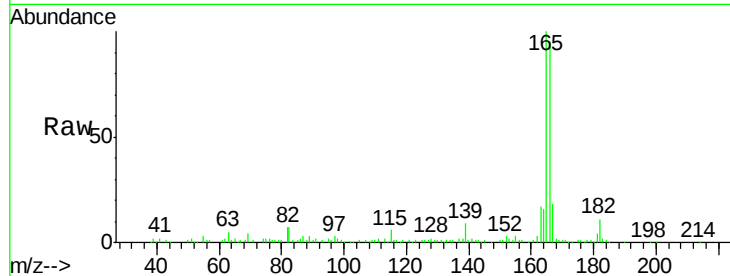




#61
4-Nitroaniline
Concen: 1.63 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

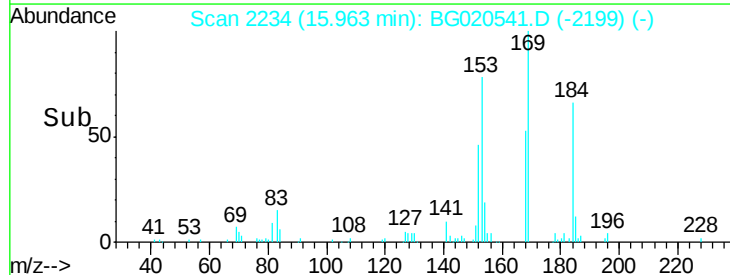
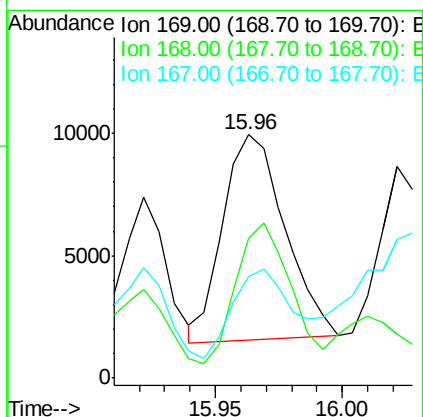
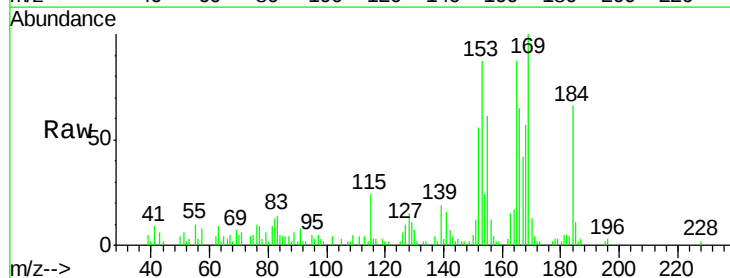
Instrument :
BNA_G
ClientSampleId :
G9D95

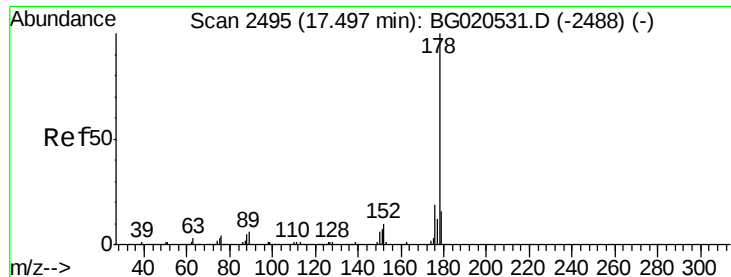
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Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 26.1 75.4 113.0#



#65
N-Nitrosodiphenylamine
Concen: 3.61 ng/ul
RT: 15.96 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion:169 Resp: 14310
Ion Ratio Lower Upper
169 100
168 57.3 54.3 81.5
167 41.6 31.8 47.8





#70

Phenanthrene

Concen: 71.58 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

ClientSampleId :

G9D95

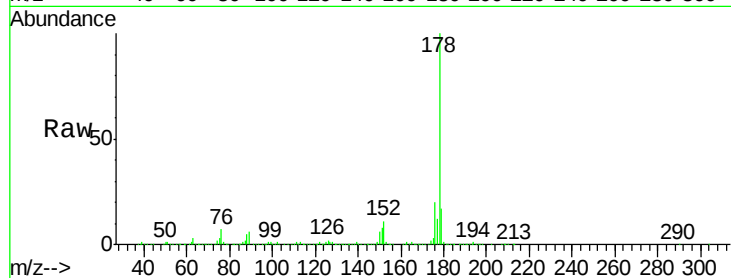
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Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

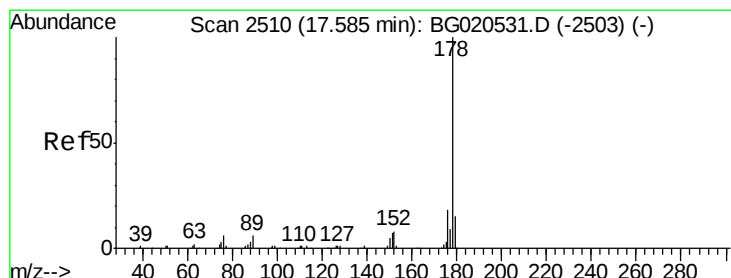
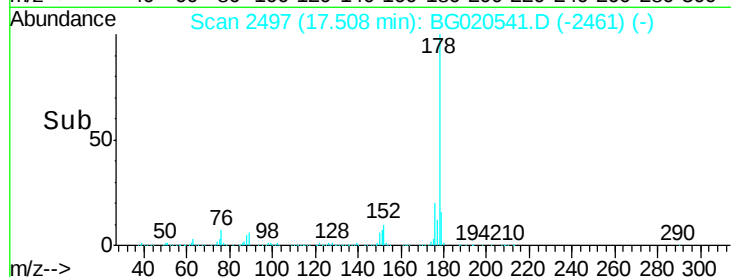
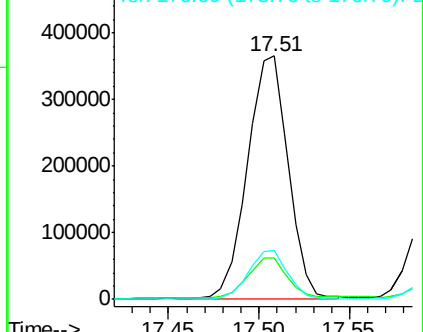
176 20.1 15.3 22.9



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

Anthracene

Concen: 26.41 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.01 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

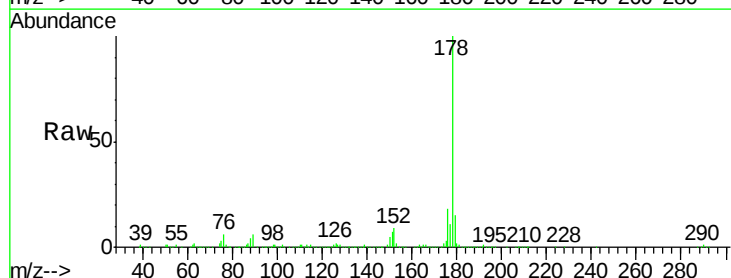
Tgt Ion:178 Resp: 213211

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

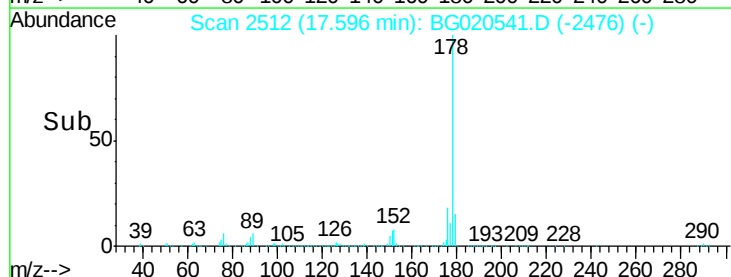
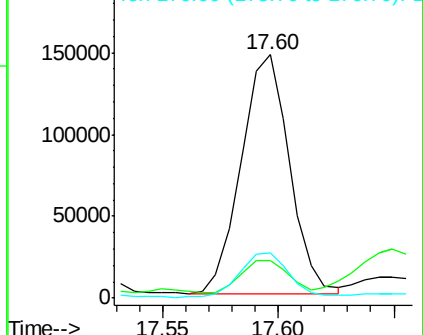
176 18.5 14.3 21.5

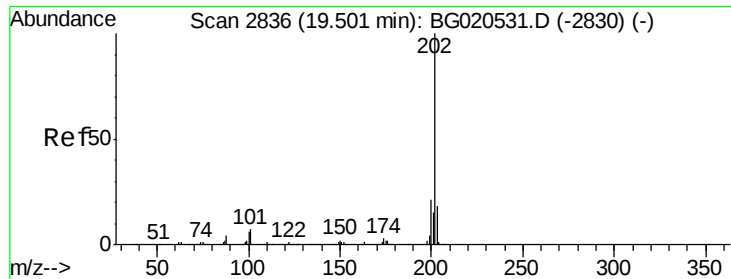


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 67.92 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. 0.02 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

ClientSampleId :

G9D95

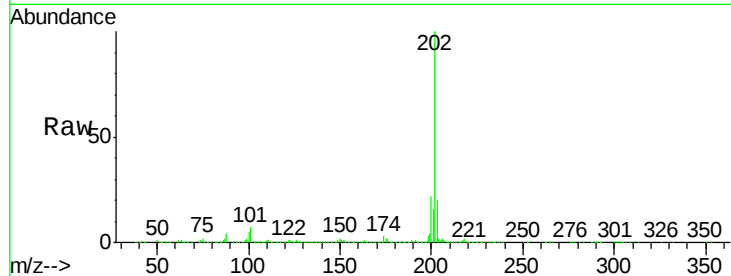
Tgt Ion:202 Resp: 674297

Ion Ratio Lower Upper

202 100

101 7.2 6.2 9.4

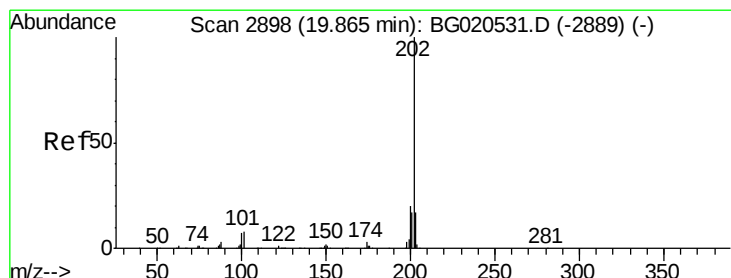
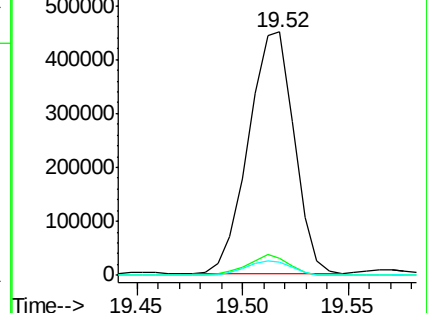
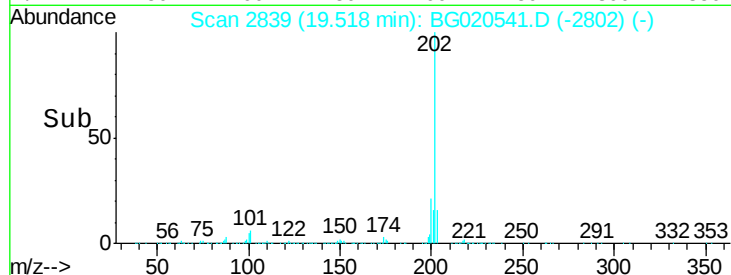
100 5.5 5.1 7.7



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



#80

Pyrene

Concen: 117.06 ng/ul

RT: 19.88 min Scan# 2901

Delta R.T. 0.02 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

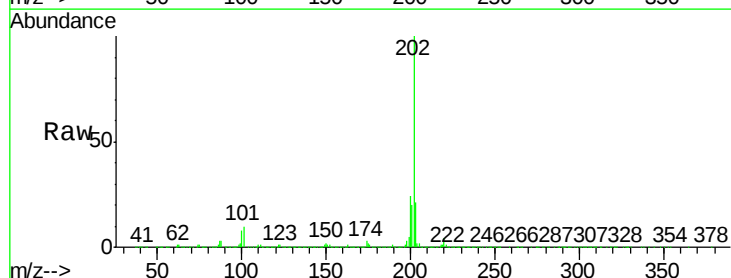
Tgt Ion:202 Resp: 1165743

Ion Ratio Lower Upper

202 100

101 9.7 7.0 10.4

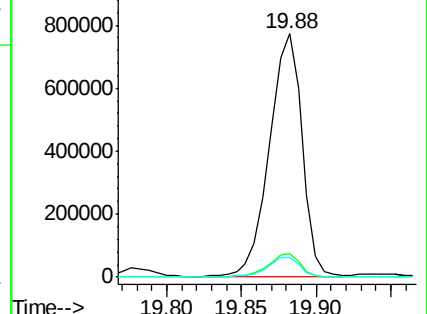
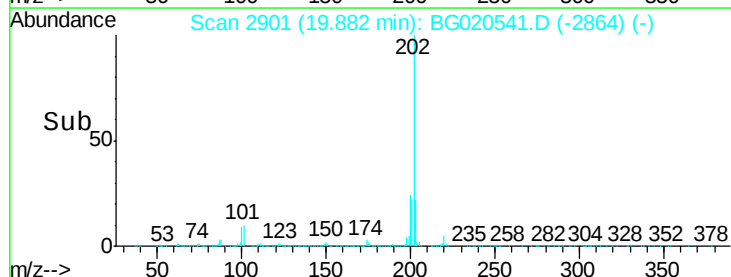
100 8.2 6.4 9.6

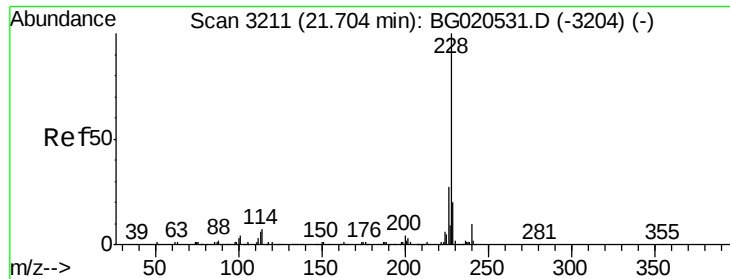


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

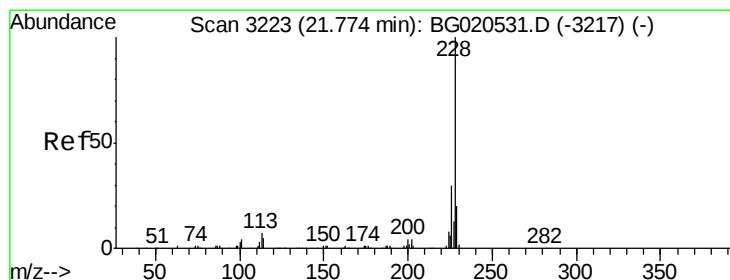
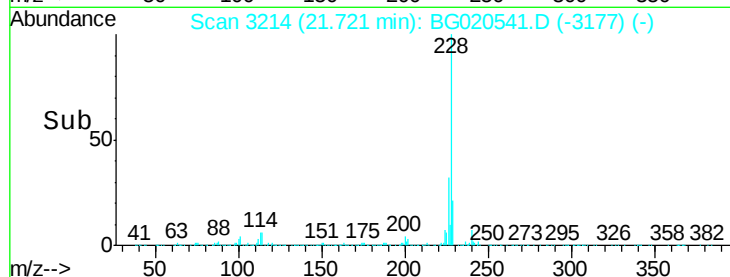
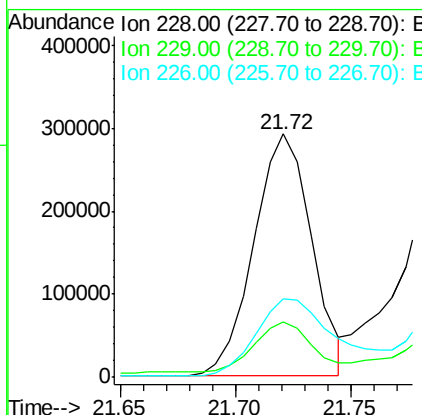
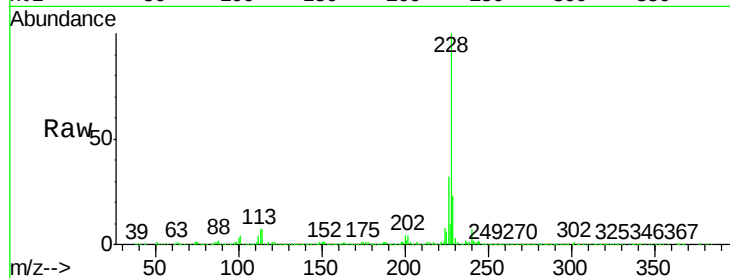




#83
Benzo(a)anthracene
Concen: 48.95 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.02 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

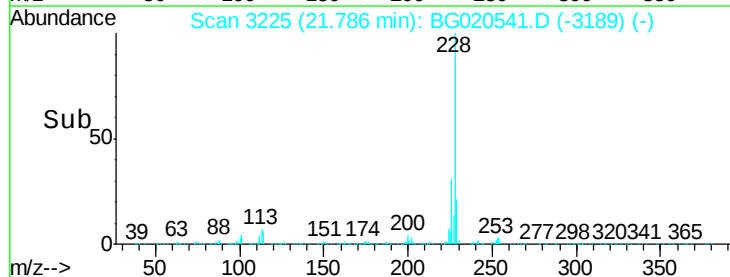
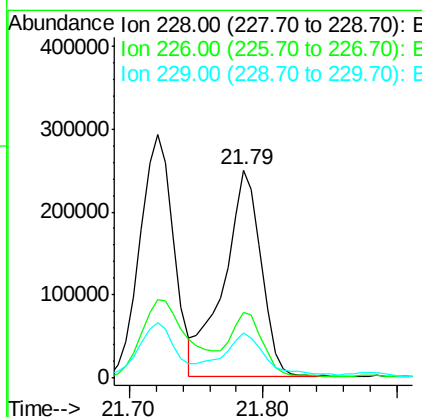
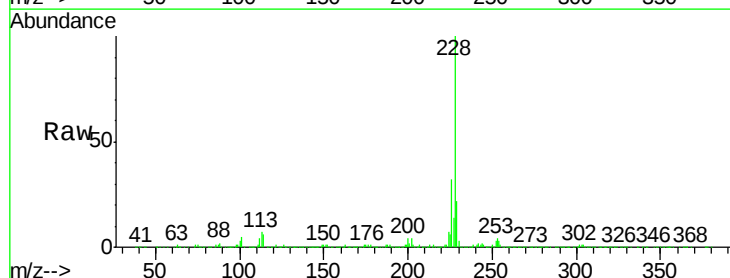
Instrument :
BNA_G
ClientSampleId :
G9D95

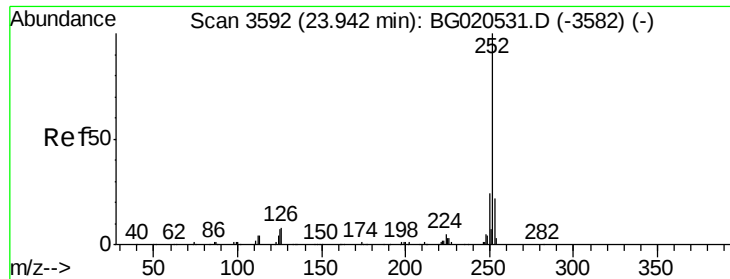
Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.8	23.8
226	32.4	21.8	32.6



#85
Chrysene
Concen: 48.81 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.01 min
Lab File: BG020541.D
Acq: 26 Dec 2015 15:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.9	35.9
229	22.0	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 33.01 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. 0.03 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

ClientSampleId :

G9D95

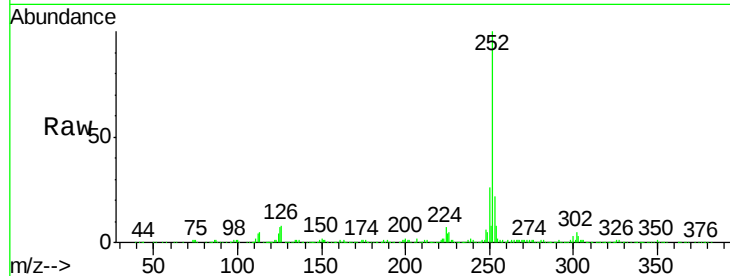
Tgt Ion:252 Resp: 342510

Ion Ratio Lower Upper

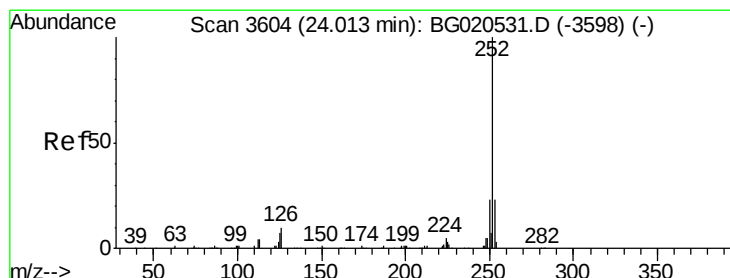
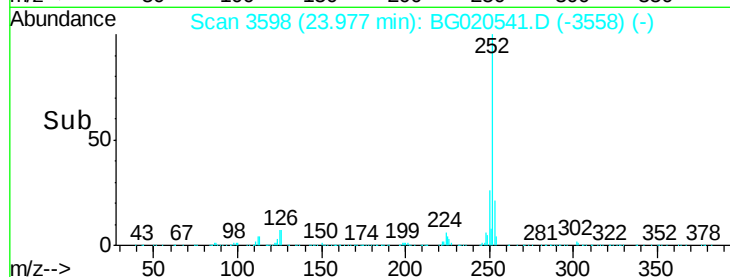
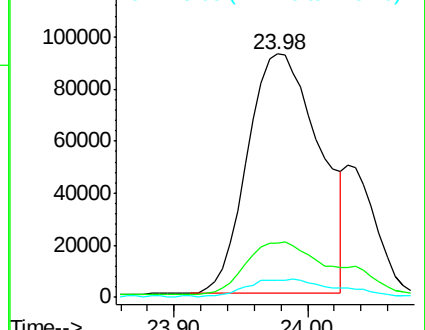
252 100

253 22.4 16.7 25.1

125 7.1 6.2 9.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 34.15 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. -0.04 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

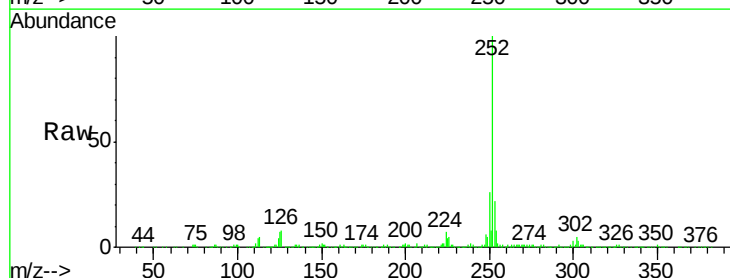
Tgt Ion:252 Resp: 342510

Ion Ratio Lower Upper

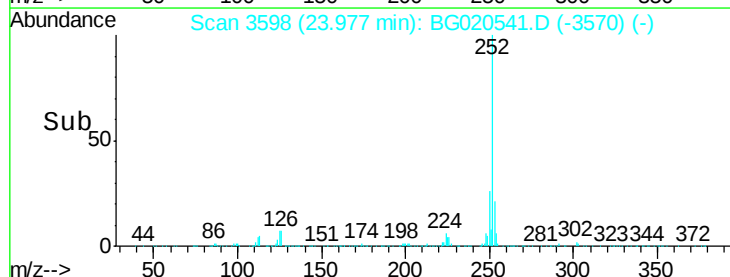
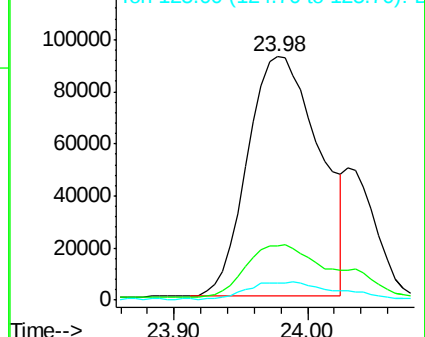
252 100

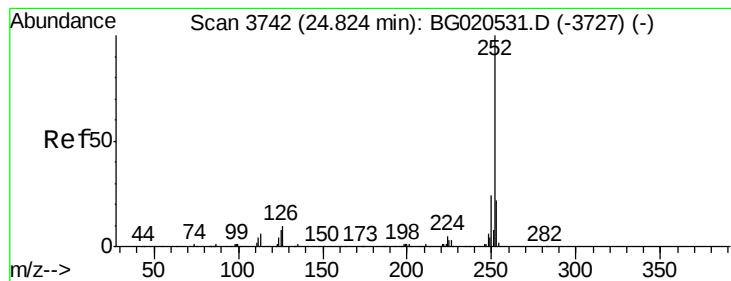
253 22.4 17.9 26.9

125 7.1 5.8 8.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 37.92 ng/ul

RT: 24.86 min Scan# 3749

Delta R.T. 0.04 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

ClientSampleId :

G9D95

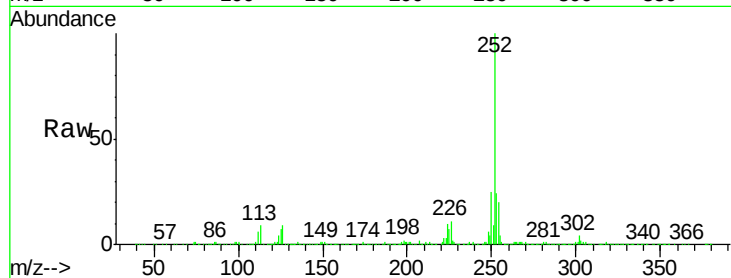
Tgt Ion:252 Resp: 378093

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

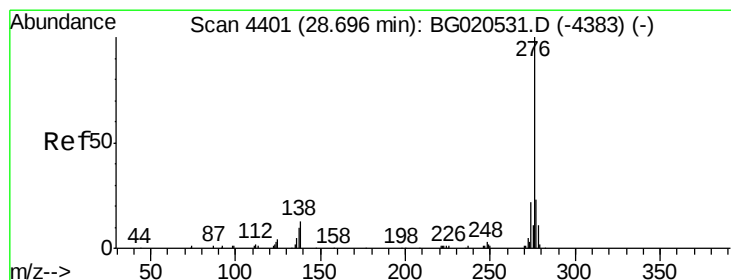
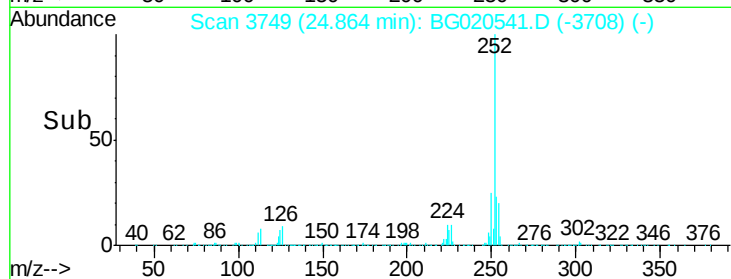
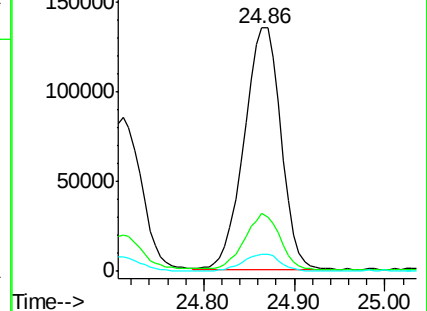
125 7.1 6.2 9.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Indeno(1,2,3-cd)pyrene

Concen: 13.02 ng/ul

RT: 28.75 min Scan# 4411

Delta R.T. 0.06 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

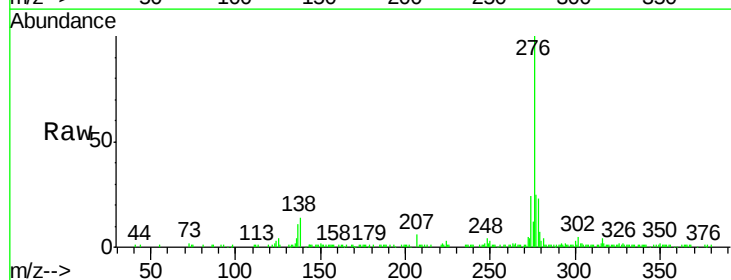
Tgt Ion:276 Resp: 155487

Ion Ratio Lower Upper

276 100

138 14.3 11.4 17.0

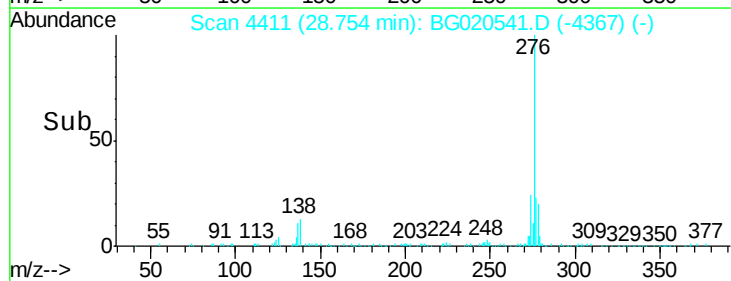
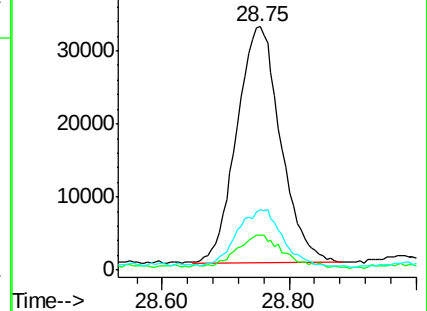
277 24.7 17.4 26.0

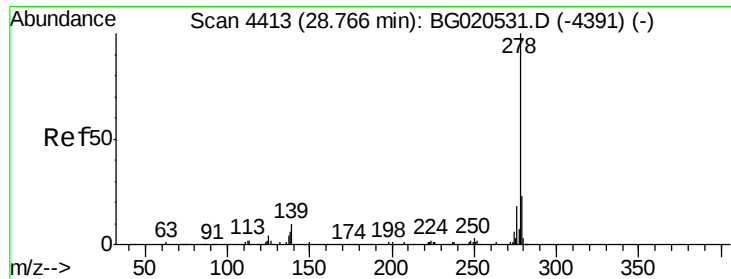


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 5.47 ng/ul

RT: 28.80 min Scan# 4418

Delta R.T. 0.03 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Instrument :

BNA_G

ClientSampleId :

G9D95

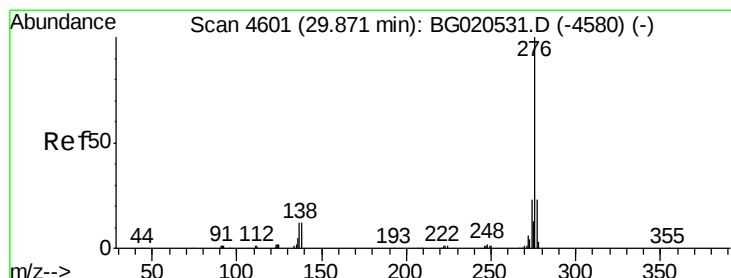
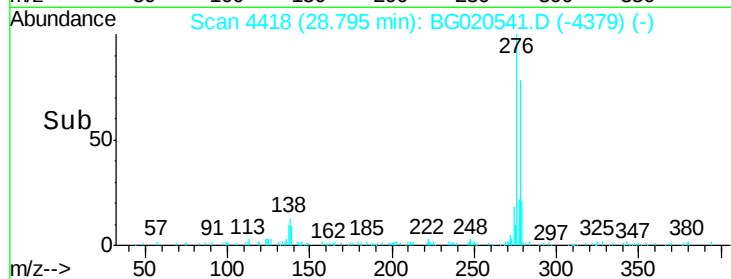
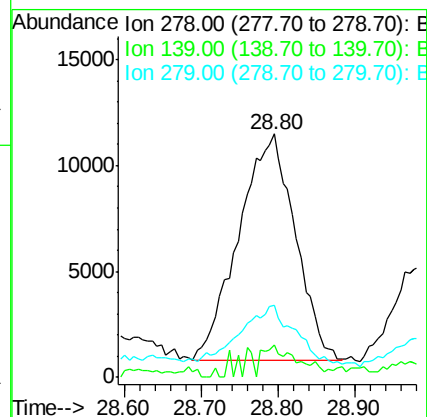
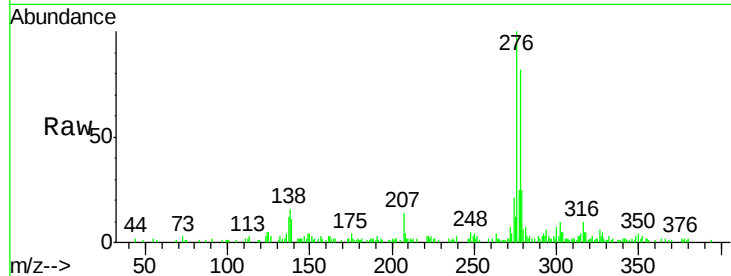
Tgt Ion:278 Resp: 54212

Ion Ratio Lower Upper

278 100

139 13.1 9.4 14.2

279 29.8 19.4 29.0#



#94

Benzo(g,h,i)perylene

Concen: 17.19 ng/ul

RT: 29.93 min Scan# 4611

Delta R.T. 0.06 min

Lab File: BG020541.D

Acq: 26 Dec 2015 15:29

Tgt Ion:276 Resp: 168588

Ion Ratio Lower Upper

276 100

138 13.0 10.8 16.2

277 23.2 19.9 29.9

