

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122615\
 Data File : BG020549.D
 Acq On : 27 Dec 2015 10:42
 Operator : UM/SJ
 Sample : G4846-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N59

Quant Time: Dec 28 02:41:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 02:38:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20110	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	88652	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.72	164	61594	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	152765	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	186837	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	163914	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	525	1.44	ng/uL	0.00
5) Phenol-d5	7.23	99	13209	8.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	35732	37.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	38272	30.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	26169	19.27	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	25846	37.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	30327	38.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	50456	33.00	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1456	0.83	ng/ul	0.02
44) Dimethylphthalate-d6	14.12	166	182420	35.93	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	205958	35.02	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5900	6.97	ng/ul	0.00
58) Fluorene-d10	15.70	176	173895	37.88	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	27070	26.74	ng/ul	0.00
71) Anthracene-d10	17.56	188	275657	38.52	ng/ul	0.00
79) Pyrene-d10	19.84	212	320511	39.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	342338	41.31	ng/ul	0.00

Target Compounds

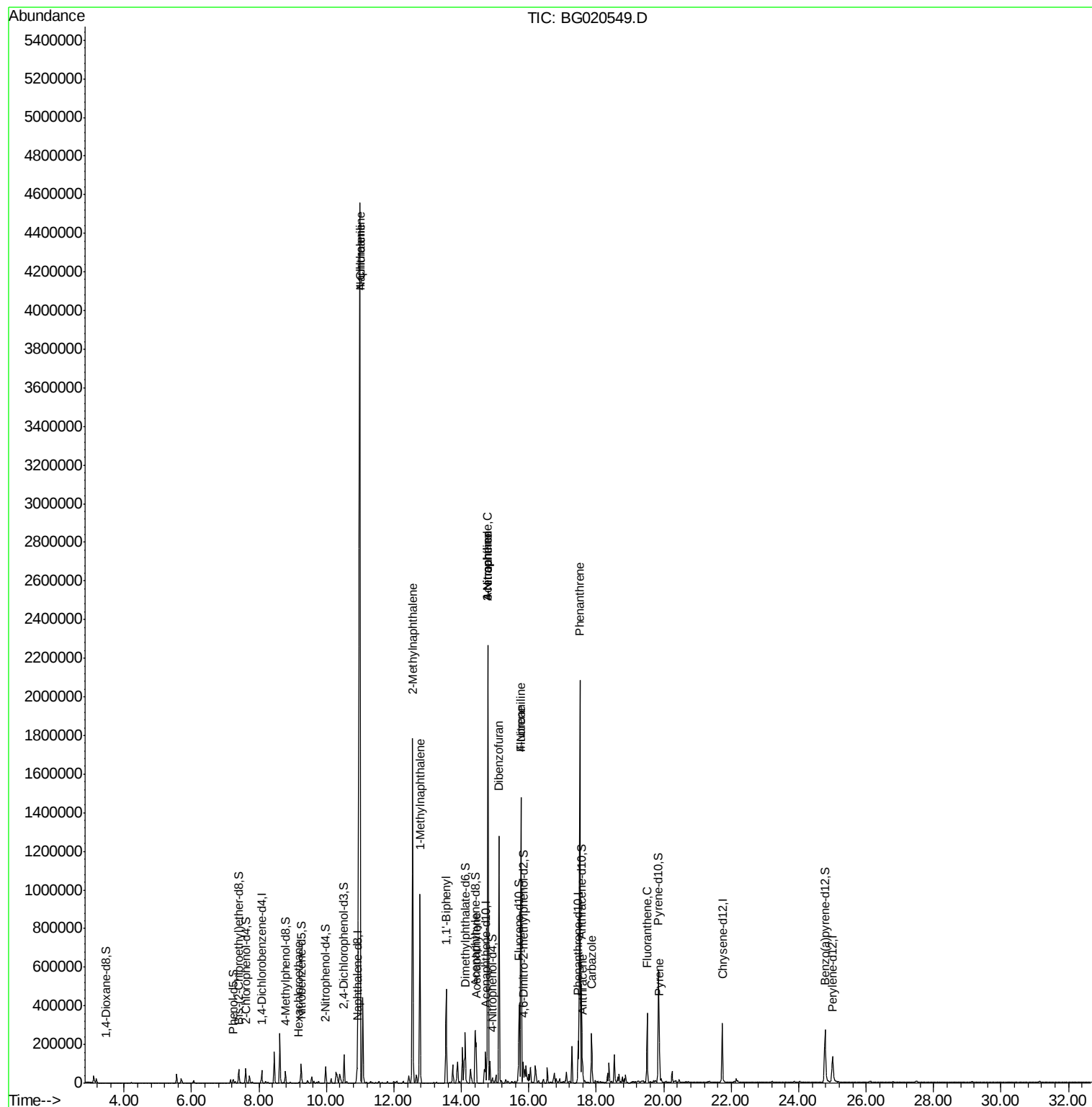
						Qvalue
17) Hexachloroethane	9.18	117	1700	3.12	ng/ul#	1
28) Naphthalene	10.99	128	4668955	990.73	ng/ul#	69
30) 4-Chloroaniline	10.99	127	957469	543.65	ng/ul#	13
34) 2-Methylnaphthalene	12.56	142	874572	250.81	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	462401	139.59	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	258509	54.38	ng/ul	96
48) Acenaphthylene	14.44	152	118948	19.24	ng/ul	98
49) 3-Nitroaniline	14.79	138	1115	1.15	ng/ul#	1
50) Acenaphthene	14.79	153	1002390	239.82	ng/ul	96
53) 4-Nitrophenol	14.79	109	1856	2.42	ng/ul#	1
54) Dibenzofuran	15.12	168	868678	139.69	ng/ul	97
59) Fluorene	15.77	166	705264	139.95	ng/ul	98
61) 4-Nitroaniline	15.77	138	8838	8.12	ng/ul#	12
70) Phenanthrene	17.51	178	1415044	166.48	ng/ul	94
72) Anthracene	17.59	178	88172	10.14	ng/ul	98
75) Carbazole	17.86	167	176232	24.06	ng/ul	98
77) Fluoranthene	19.51	202	241006	22.55	ng/ul	99
80) Pyrene	19.87	202	135565	12.83	ng/ul	98

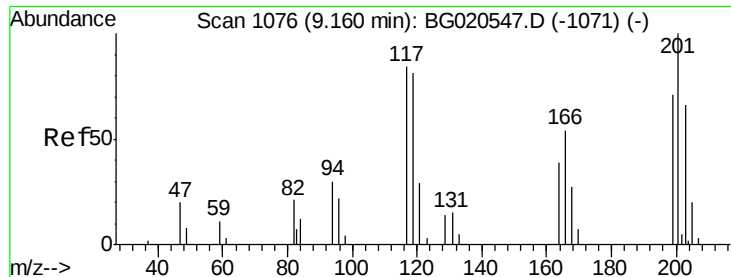
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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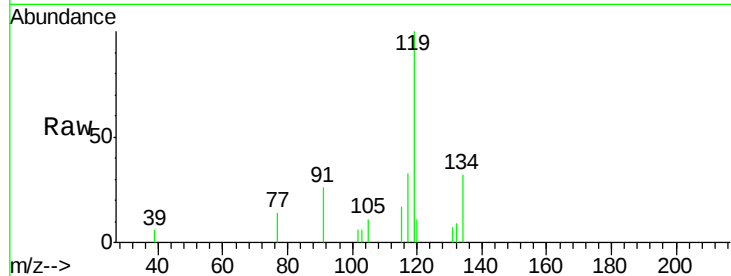




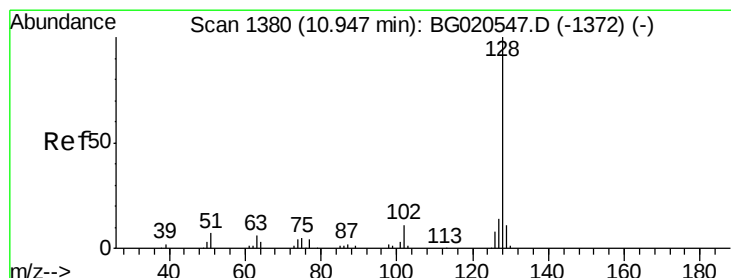
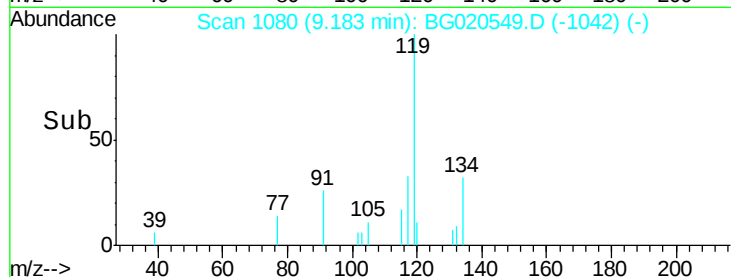
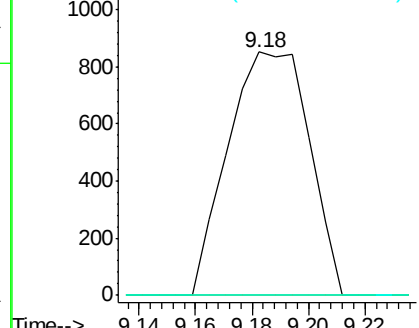
#17
Hexachloroethane
Concen: 3.12 ng/ul
RT: 9.18 min Scan# 1080
Delta R.T. 0.02 min
Lab File: BG020549.D
Acq: 27 Dec 2015 10:42

Instrument :
BNA_G
ClientSampleId :
D9N59

Tgt Ion:117 Resp: 1700
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

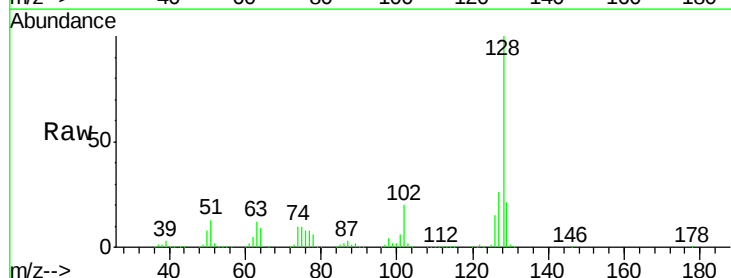


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

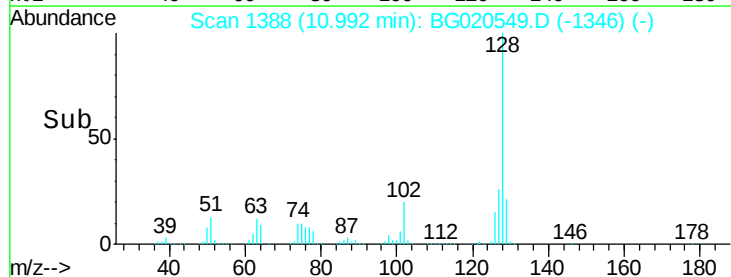
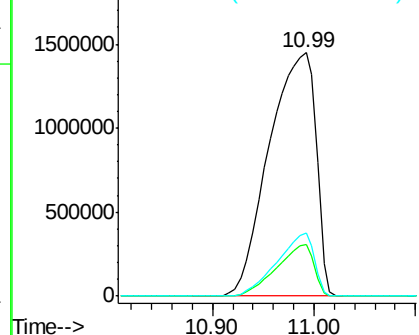


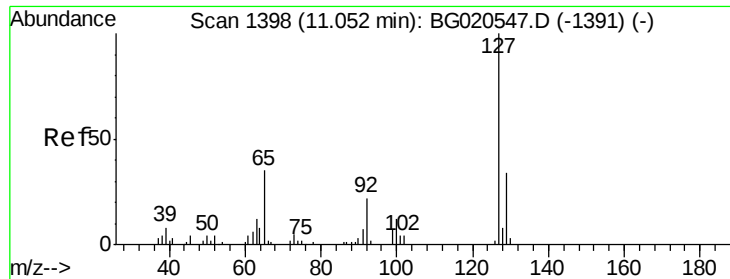
#28
Naphthalene
Concen: 990.73 ng/ul
RT: 10.99 min Scan# 1388
Delta R.T. 0.05 min
Lab File: BG020549.D
Acq: 27 Dec 2015 10:42

Tgt Ion:128 Resp: 4668955
Ion Ratio Lower Upper
128 100
129 21.0 8.6 12.8#
127 25.9 10.1 15.1#



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





#30

4-Chloroaniline

Concen: 543.65 ng/ul

RT: 10.99 min Scan# 1388

Delta R.T. -0.06 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

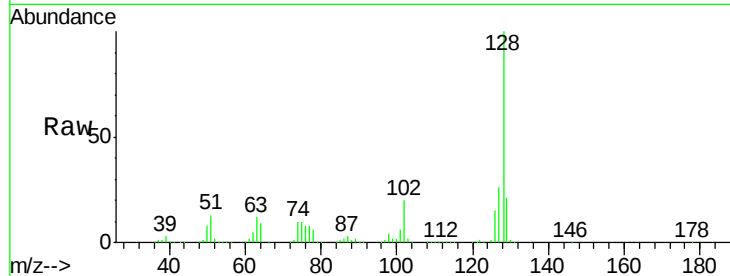
D9N59

Tgt Ion:127 Resp: 957469

Ion Ratio Lower Upper

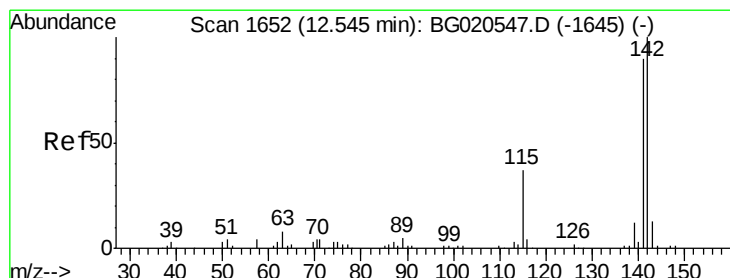
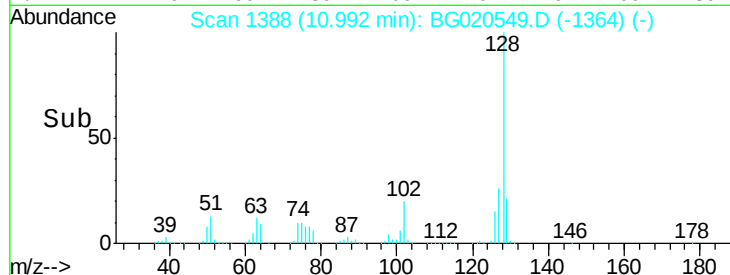
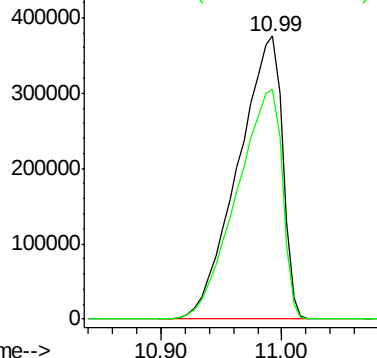
127 100

129 80.9 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 250.81 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BG020549.D

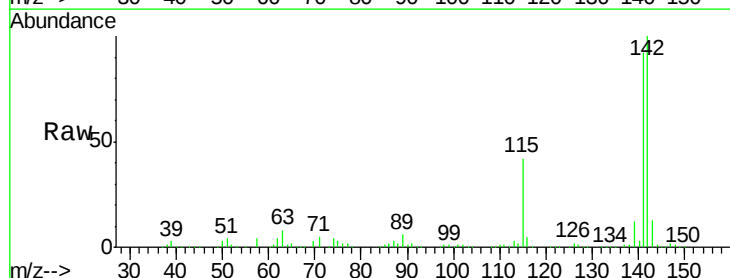
Acq: 27 Dec 2015 10:42

Tgt Ion:142 Resp: 874572

Ion Ratio Lower Upper

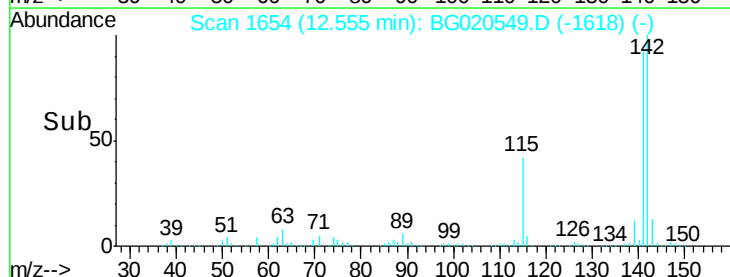
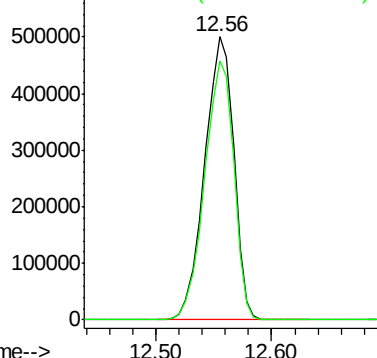
142 100

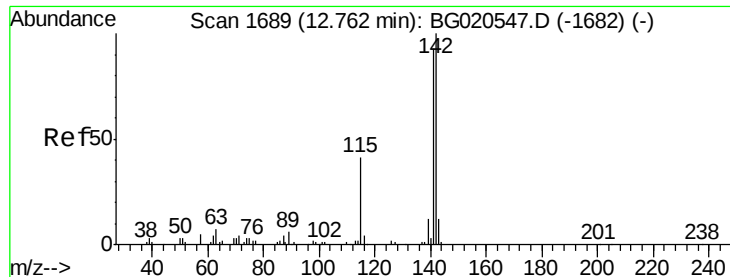
141 91.5 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

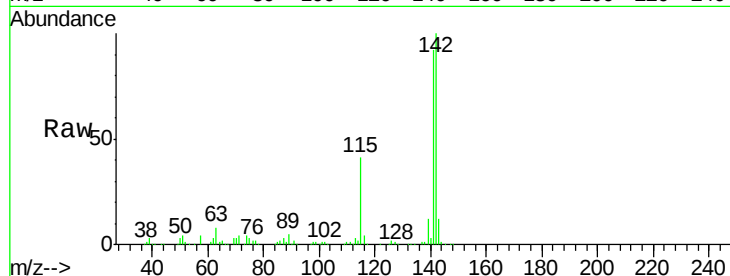




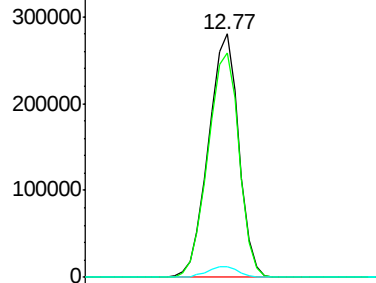
#35
 1-Methylnaphthalene
 Concen: 139.59 ng/ul
 RT: 12.77 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: BG020549.D
 Acq: 27 Dec 2015 10:42

Instrument :
 BNA_G
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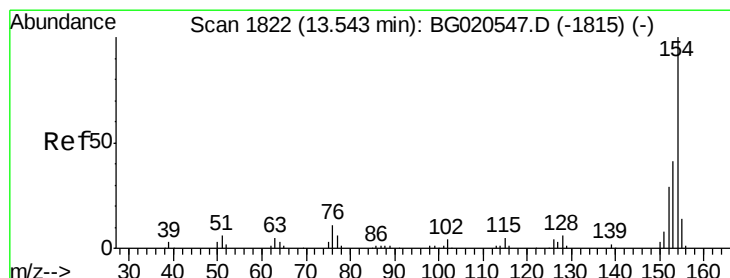
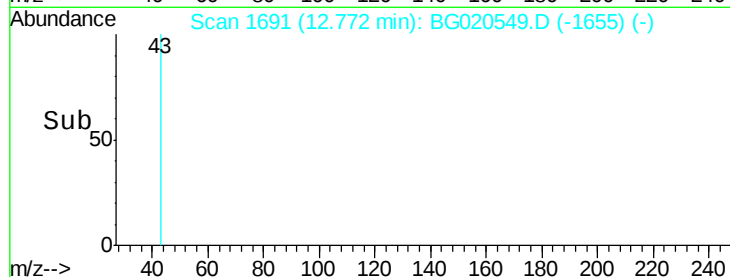
Tgt Ion:142 Resp: 462401
 Ion Ratio Lower Upper
 142 100
 141 92.1 73.0 109.6
 116 4.5 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

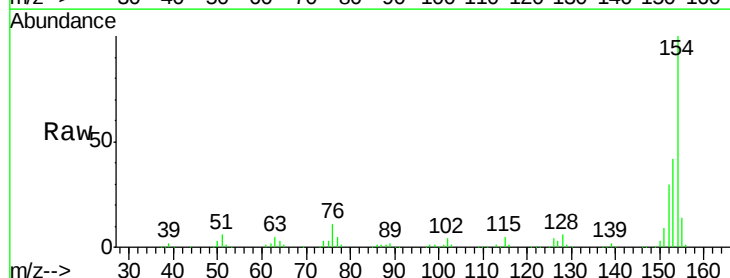


Time-->

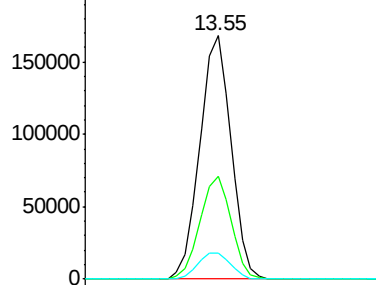


#41
 1,1'-Biphenyl
 Concen: 54.38 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020549.D
 Acq: 27 Dec 2015 10:42

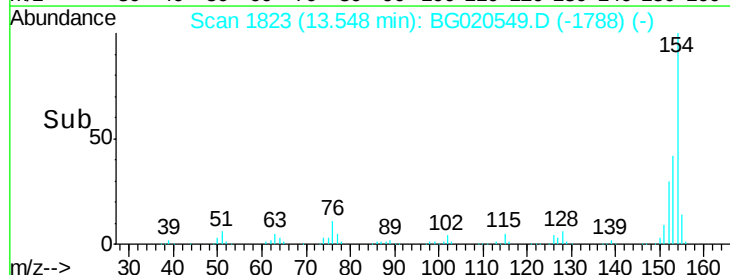
Tgt Ion:154 Resp: 258509
 Ion Ratio Lower Upper
 154 100
 153 42.3 35.5 53.3
 76 10.6 10.4 15.6

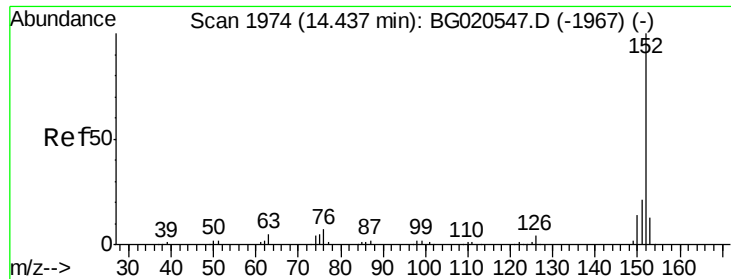


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG



Time-->





#48

Acenaphthylene

Concen: 19.24 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N59

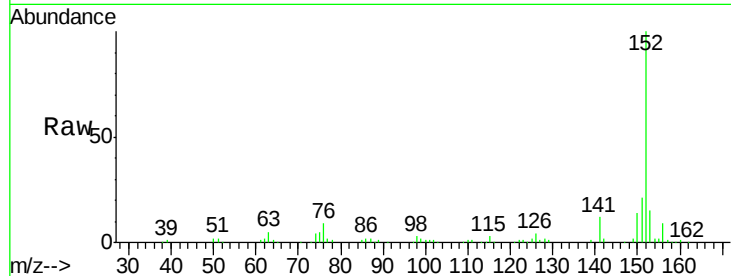
Tgt Ion:152 Resp: 118948

Ion Ratio Lower Upper

152 100

151 20.8 16.4 24.6

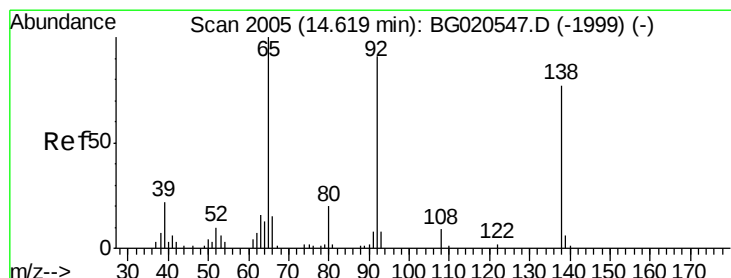
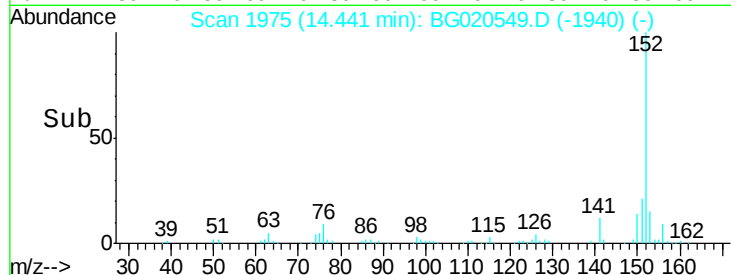
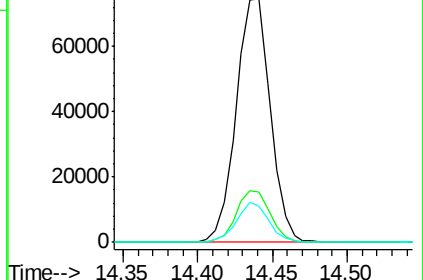
153 15.1 10.4 15.6



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

3-Nitroaniline

Concen: 1.15 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.17 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

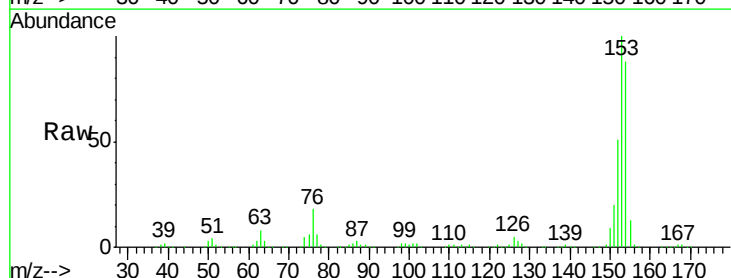
Tgt Ion:138 Resp: 1115

Ion Ratio Lower Upper

138 100

108 0.0 9.1 13.7#

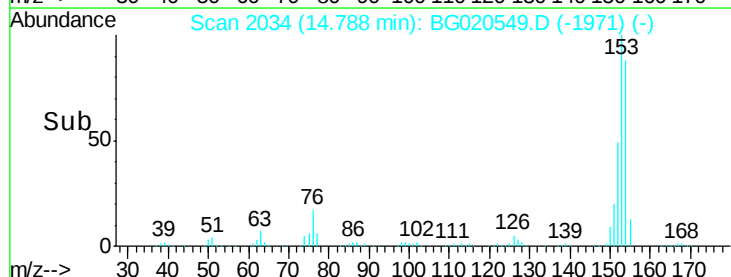
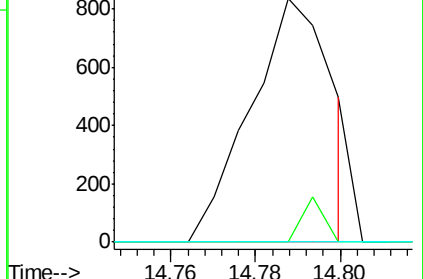
92 0.0 103.2 154.8#

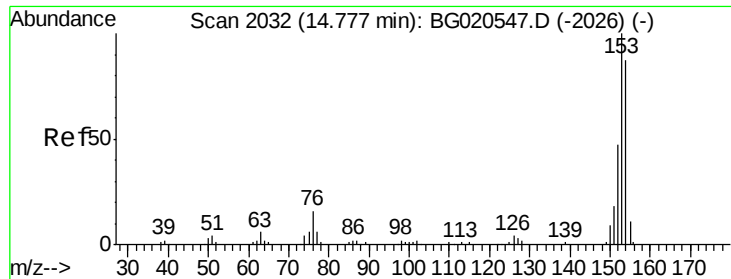


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#50

Acenaphthene

Concen: 239.82 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N59

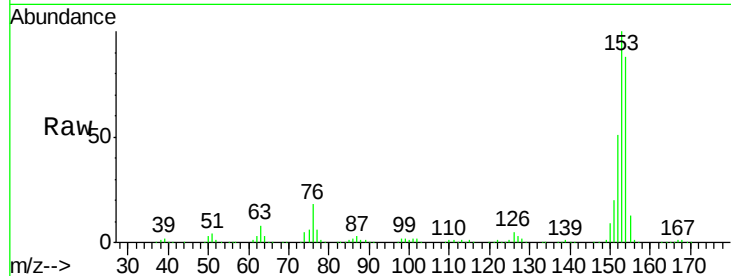
Tgt Ion:153 Resp: 1002390

Ion Ratio Lower Upper

153 100

152 50.8 37.6 56.4

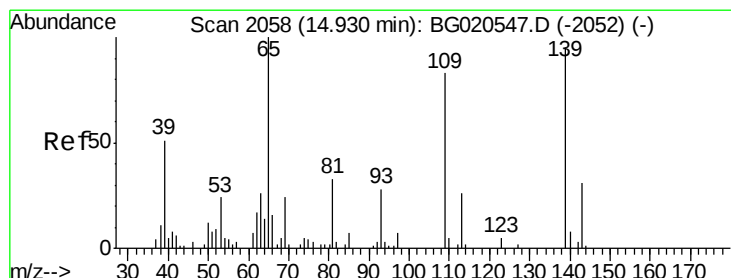
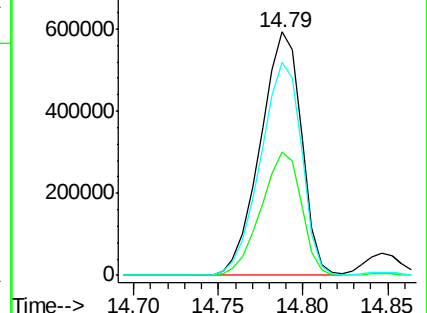
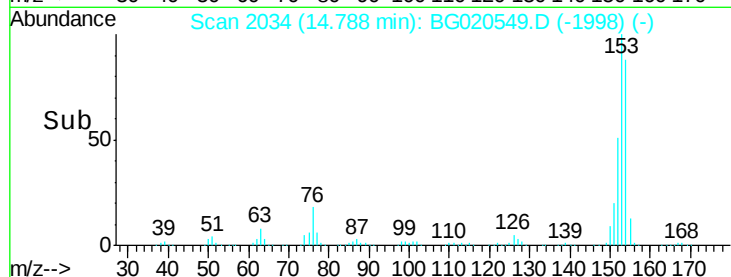
154 87.6 67.9 101.9



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



#53

4-Nitrophenol

Concen: 2.42 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.14 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

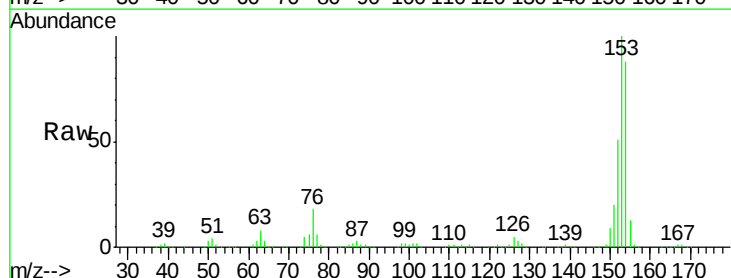
Tgt Ion:109 Resp: 1856

Ion Ratio Lower Upper

109 100

139 458.7 80.5 120.7#

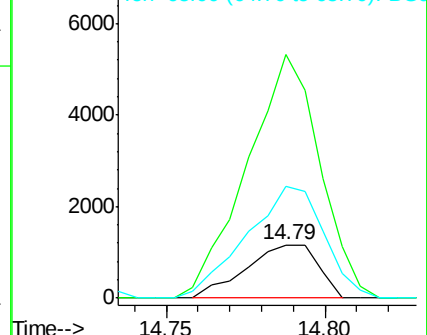
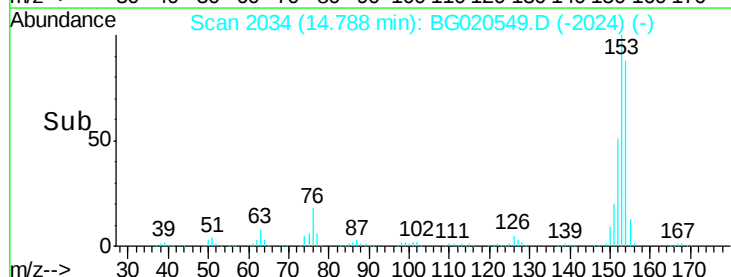
65 210.3 93.4 140.2#

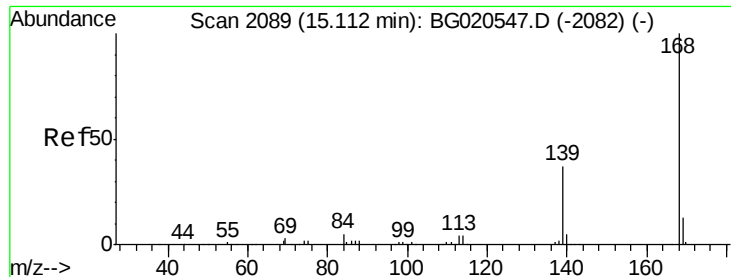


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC

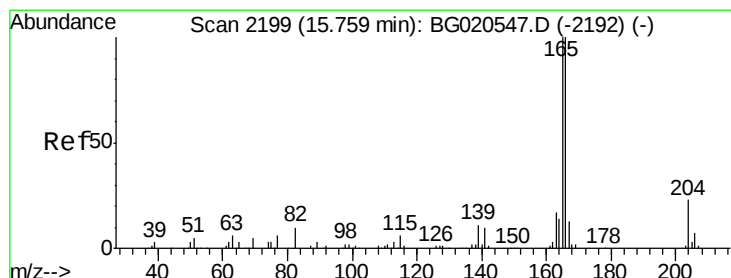
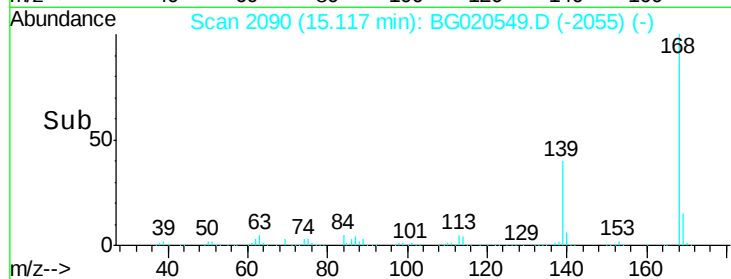
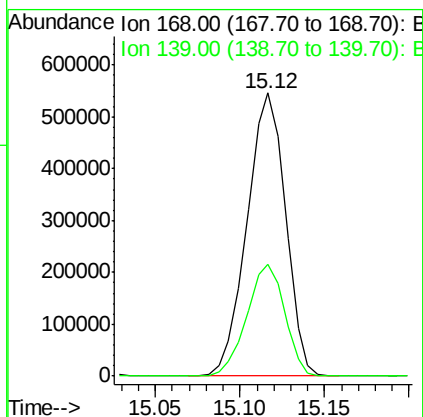
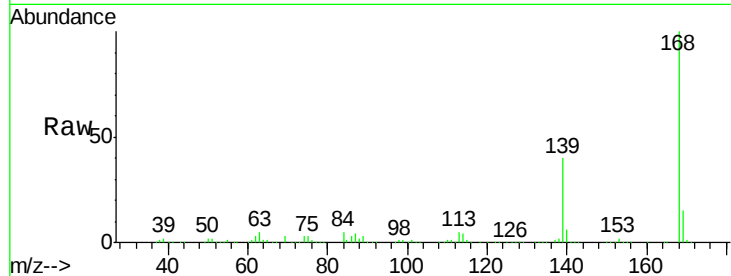




#54
Dibenzenofuran
Concen: 139.69 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG020549.D
Acq: 27 Dec 2015 10:42

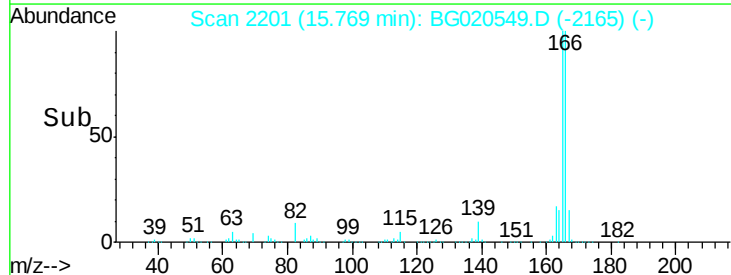
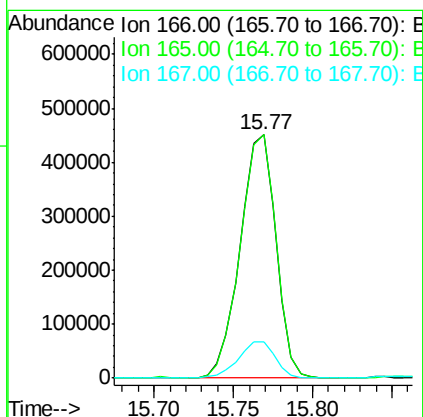
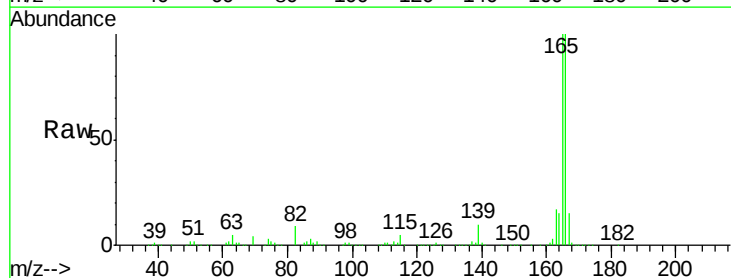
Instrument :
BNA_G
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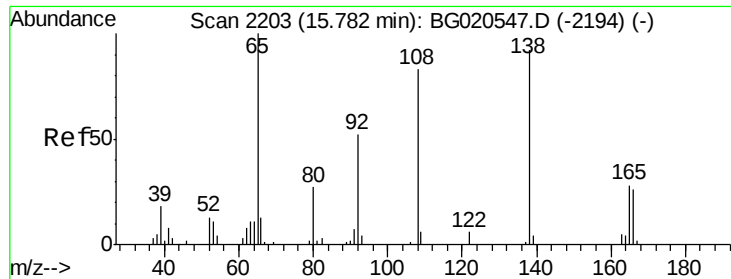
Tgt Ion:168 Resp: 868678
Ion Ratio Lower Upper
168 100
139 39.7 30.5 45.7



#59
Fluorene
Concen: 139.95 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BG020549.D
Acq: 27 Dec 2015 10:42

Tgt Ion:166 Resp: 705264
Ion Ratio Lower Upper
166 100
165 99.9 81.4 122.0
167 15.1 11.2 16.8

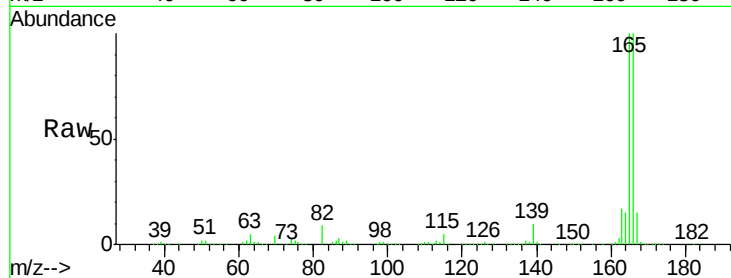




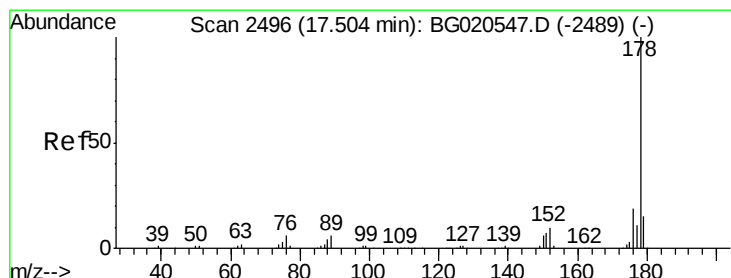
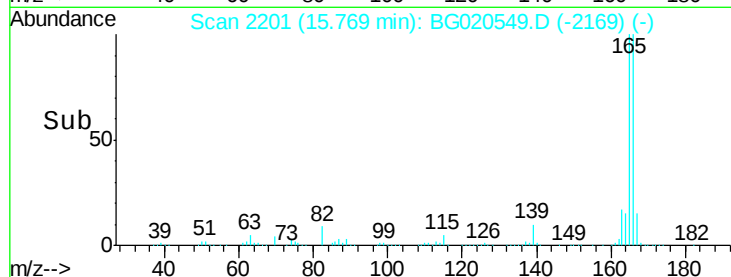
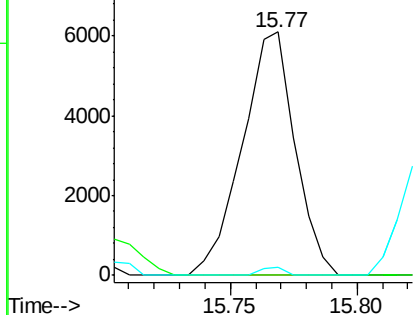
#61
4-Nitroaniline
Concen: 8.12 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BG020549.D
Acq: 27 Dec 2015 10:42

Instrument :
BNA_G
ClientSampleId :
D9N59

Tgt Ion:138 Resp: 8838
Ion Ratio Lower Upper
138 100
92 0.0 45.2 67.8#
108 3.2 75.4 113.0#

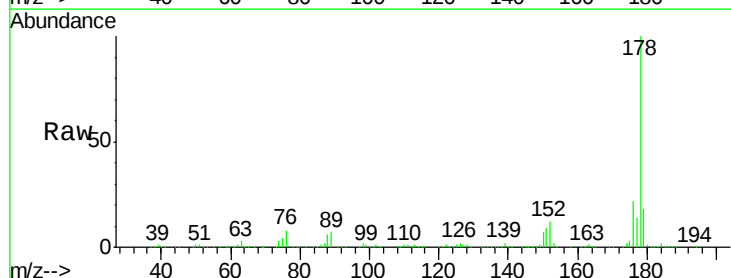


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

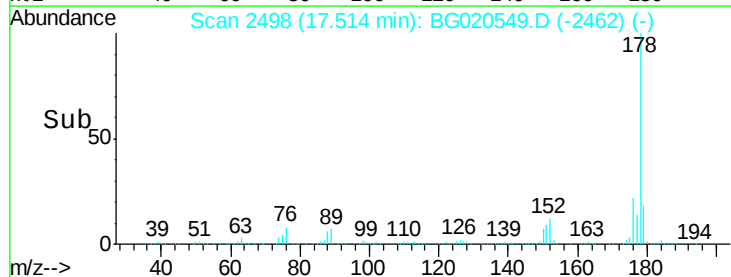
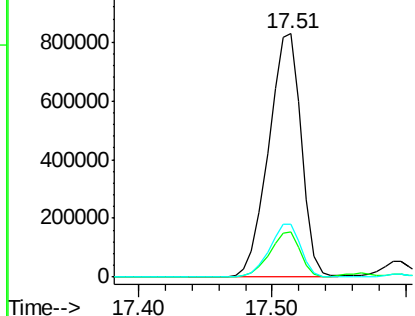


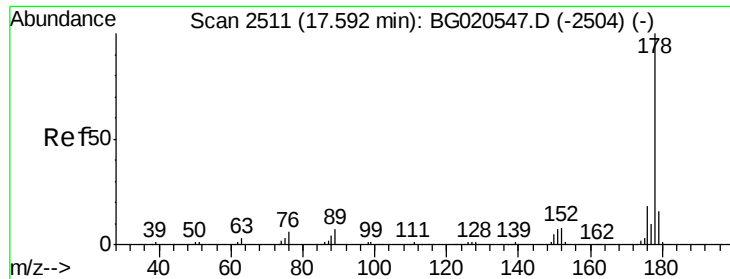
#70
Phenanthrene
Concen: 166.48 ng/ul
RT: 17.51 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BG020549.D
Acq: 27 Dec 2015 10:42

Tgt Ion:178 Resp: 1415044
Ion Ratio Lower Upper
178 100
179 18.4 12.9 19.3
176 22.0 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: 10.14 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N59

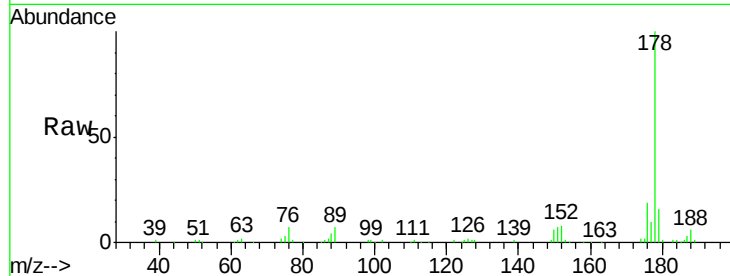
Tgt Ion:178 Resp: 88172

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

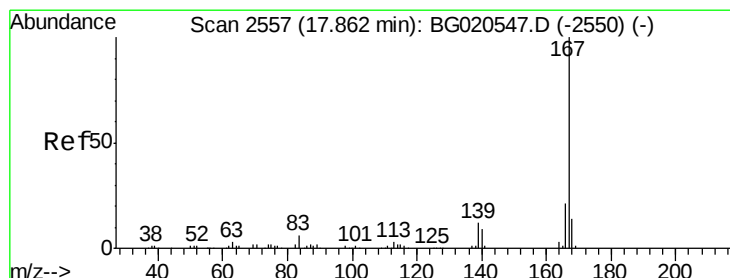
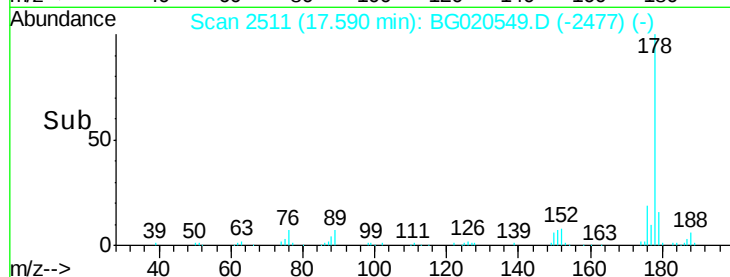
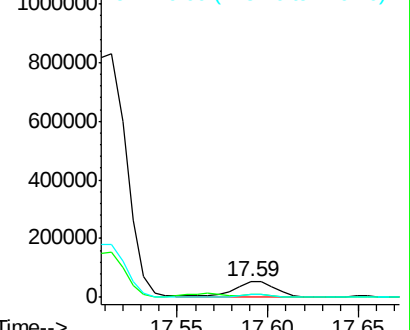
176 18.9 14.3 21.5



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



#75

Carbazole

Concen: 24.06 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

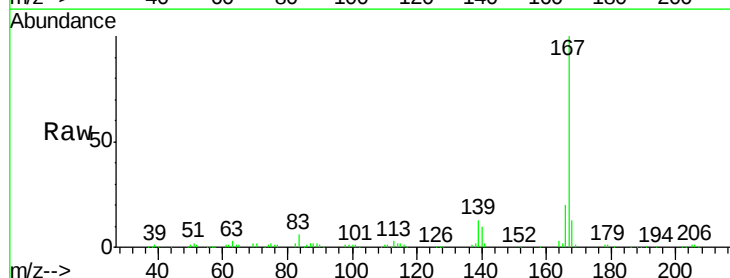
Tgt Ion:167 Resp: 176232

Ion Ratio Lower Upper

167 100

166 20.3 17.0 25.6

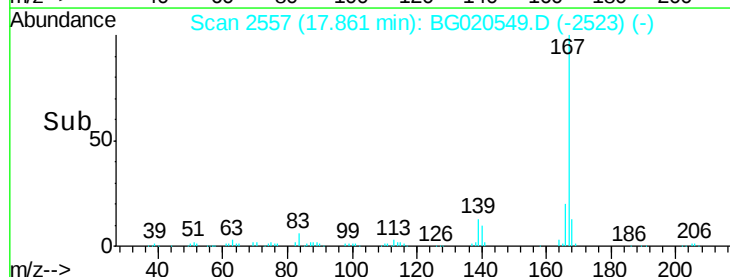
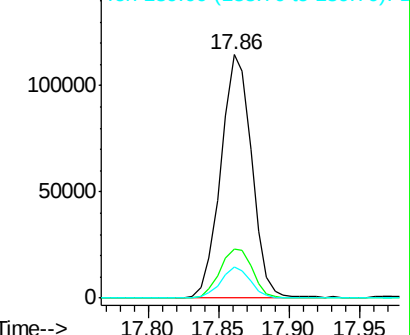
139 12.8 10.1 15.1

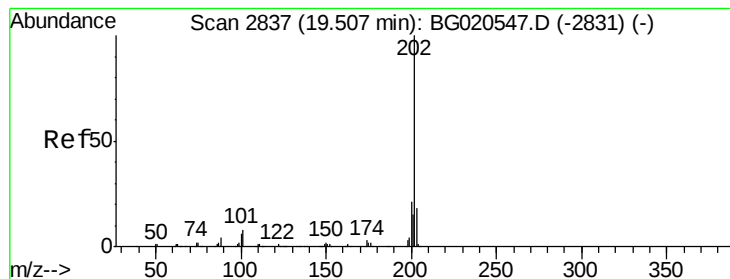


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 22.55 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

Instrument :

BNA_G

ClientSampleId :

D9N59

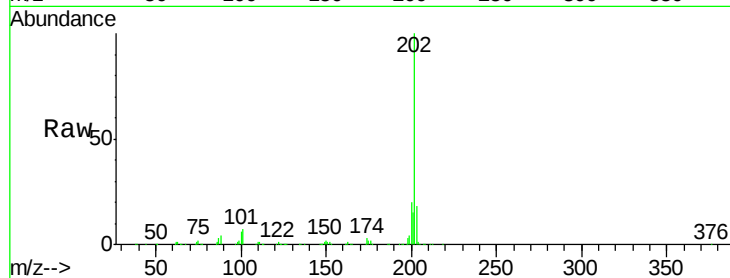
Tgt Ion:202 Resp: 241006

Ion Ratio Lower Upper

202 100

101 7.2 6.2 9.4

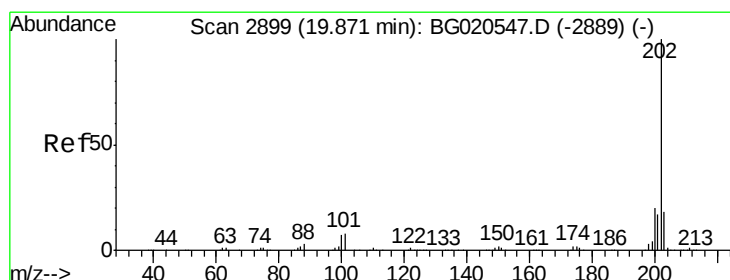
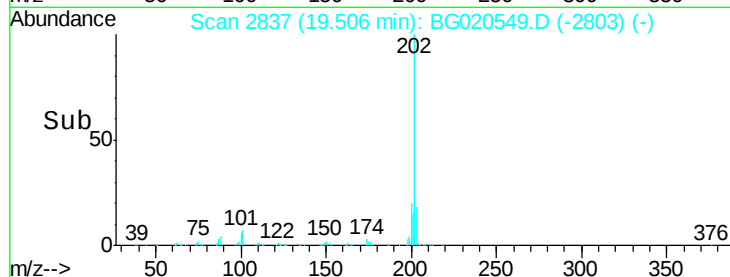
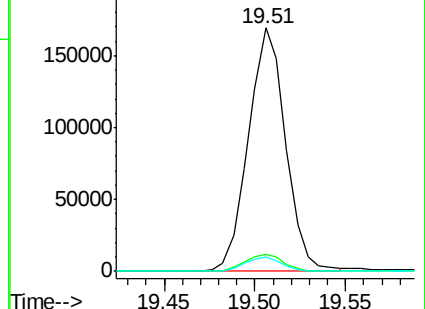
100 6.2 5.1 7.7



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: 12.83 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG020549.D

Acq: 27 Dec 2015 10:42

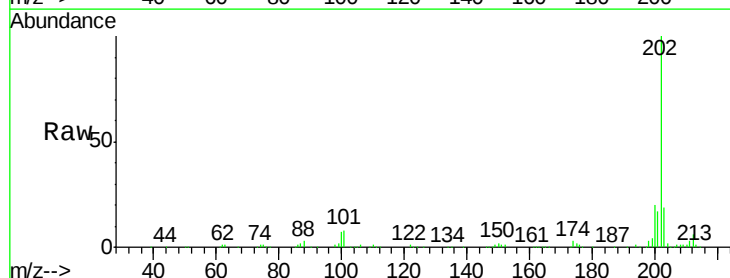
Tgt Ion:202 Resp: 135565

Ion Ratio Lower Upper

202 100

101 7.9 7.0 10.4

100 7.1 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

