

Data File : BG027512.D
Acq On : 17 Jun 2017 18:30
Operator : SJ/MA
Sample : I3599-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A87

Quant Time: Jun 19 01:53:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	44944	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	226872	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	148084	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	331318	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	381069	20.00	ng/ul	0.00
83) Perylene-d12	25.90	264	358723	20.00	ng/ul	0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	4.08	96	3332	2.96	ng/uL	0.00
5) Phenol-d5	7.65	99	87340	17.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	64313	19.36	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	61505	19.10	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	72574	19.04	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	31842	19.32	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	35374	20.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	64720	19.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	79004	18.87	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	239612	19.33	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	280635	19.65	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	35853	14.78	ng/ul	0.00
57) Fluorene-d10	16.09	176	218588	18.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	37009	17.99	ng/ul	0.00
70) Anthracene-d10	17.95	188	333785	21.61	ng/ul	0.00
76) Pyrene-d10	20.23	212	387081	20.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.64	264	347774	21.53	ng/ul	0.01

Target Compounds				Qvalue		
6) Phenol	7.68	94	9014	1.76	ng/ul#	88
28) Naphthalene	11.39	128	43716	3.75	ng/ul	99
34) 2-Methylnaphthalene	12.95	142	9195	1.06	ng/ul	96
44) Dimethylphthalate	14.53	163	63604	5.17	ng/ul	96
47) Acenaphthylene	14.84	152	15900	1.11	ng/ul	98
49) Acenaphthene	15.17	153	13720	1.37	ng/ul	94
53) Dibenzofuran	15.50	168	18479	1.27	ng/ul	95
58) Fluorene	16.15	166	12951	1.07	ng/ul	92
69) Phenanthrene	17.89	178	131990	7.41	ng/ul	98
71) Anthracene	17.99	178	957335	52.88	ng/ul	99
72) Carbazole	18.25	167	38838	2.49	ng/ul	96
74) Fluoranthene	19.90	202	2222288	110.93	ng/ul#	81
77) Pyrene	20.26	202	2209884	98.11	ng/ul#	76
80) Benzo(a)anthracene	22.22	228	1458324	68.72	ng/ul	96
82) Chrysene	22.30	228	1480773	77.26	ng/ul	97
85) Benzo(b)fluoranthene	24.74	252	2034601	95.23	ng/ul#	94
86) Benzo(k)fluoranthene	24.74	252	2034601	99.08	ng/ul#	96
88) Benzo(a)pyrene	25.73	252	903994	44.07	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.11	276	522745	22.32	ng/ul#	92
90) Dibenzo(a,h)anthracene	30.14	278	88239	4.39	ng/ul#	92
91) Benzo(g,h,i)perylene	31.43	276	285118	14.87	ng/ul#	88

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Quantitation Report (Not Reviewed)

Data File : BG027512.D
Acq On : 17 Jun 2017 18:30
Operator : SJ/MA
Sample : I3599-06
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A87

Quant Time: Jun 19 01:53:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 01:52:26 2017
Response via : Initial Calibration

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

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

Data File : BG027512.D

Acq On : 17 Jun 2017 18:30

Operator : SJ/MA

Sample : I3599-06

Misc :

ALS Vial : 44 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

F5A87

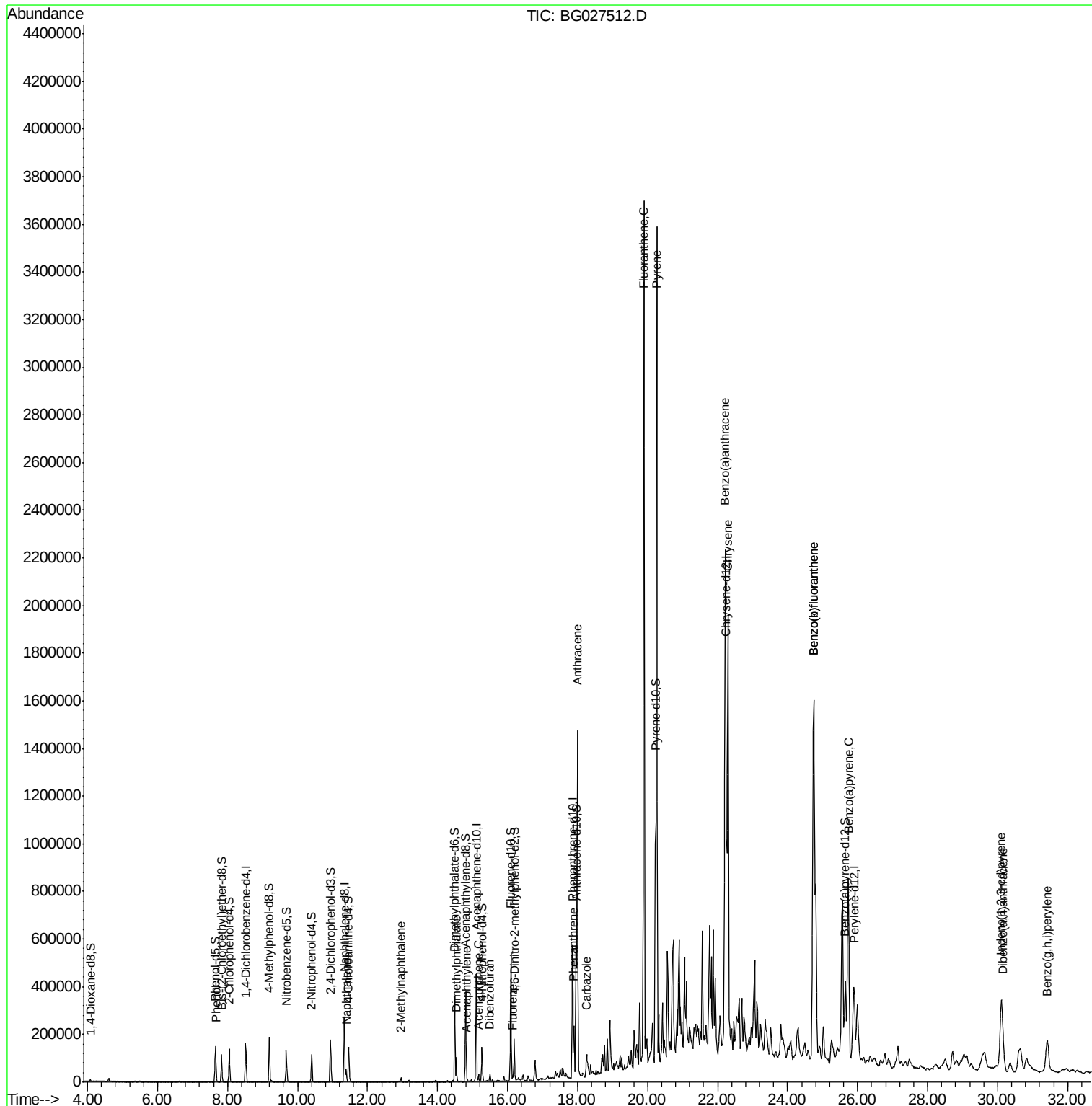
Quant Time: Jun 19 01:53:13 2017

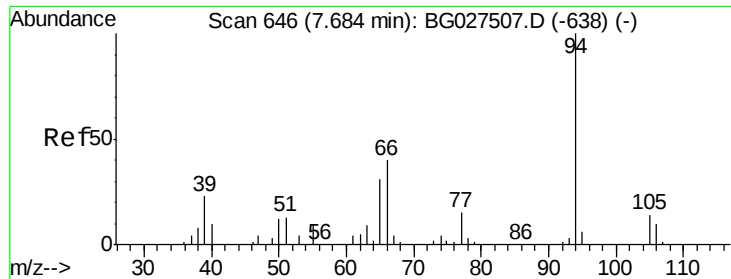
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jun 19 01:52:26 2017

Response via : Initial Calibration





#6

Phenol

Concen: 1.76 ng/ul

RT: 7.68 min Scan# 645

Delta R.T. -0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

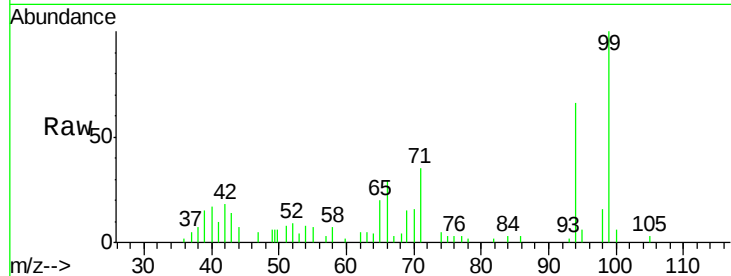
Tgt Ion: 94 Resp: 9014

Ion Ratio Lower Upper

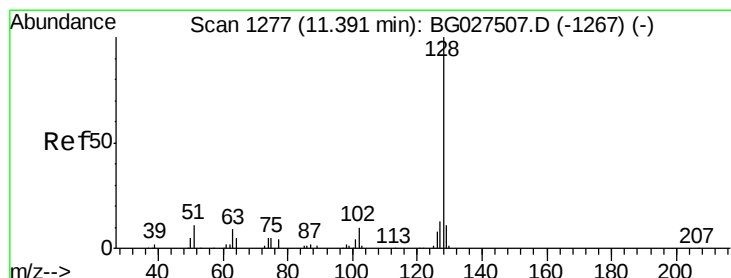
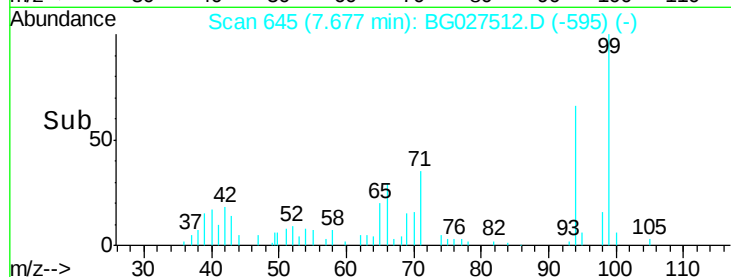
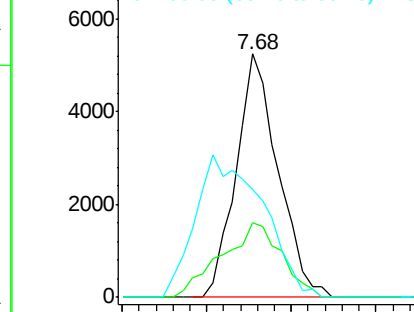
94 100

65 30.4 26.8 40.2

66 44.3 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



#28

Naphthalene

Concen: 3.75 ng/ul

RT: 11.39 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

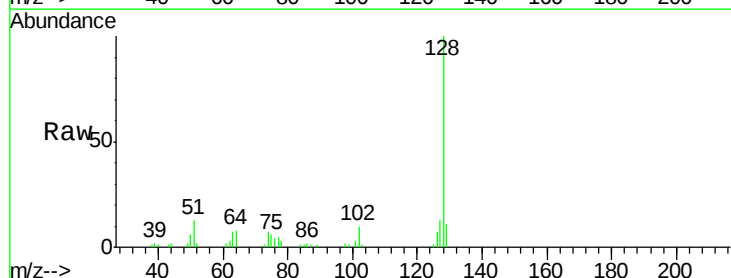
Tgt Ion: 128 Resp: 43716

Ion Ratio Lower Upper

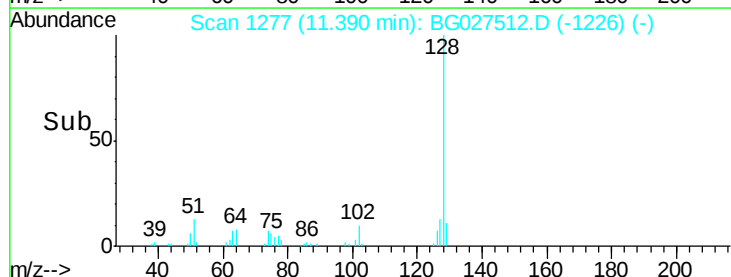
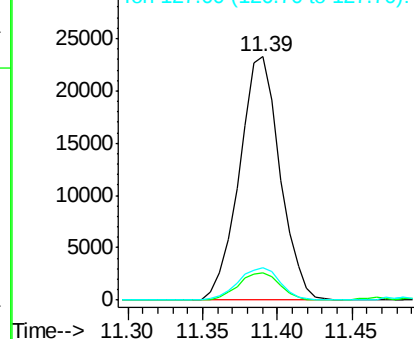
128 100

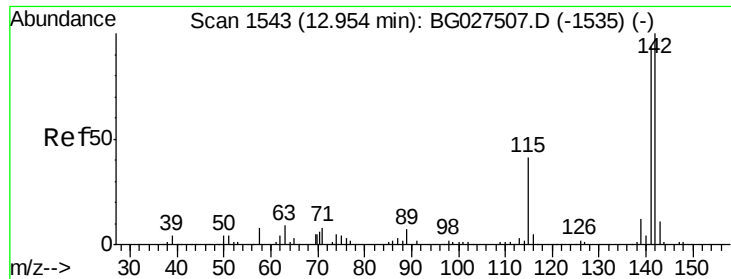
129 11.3 9.4 14.2

127 13.3 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

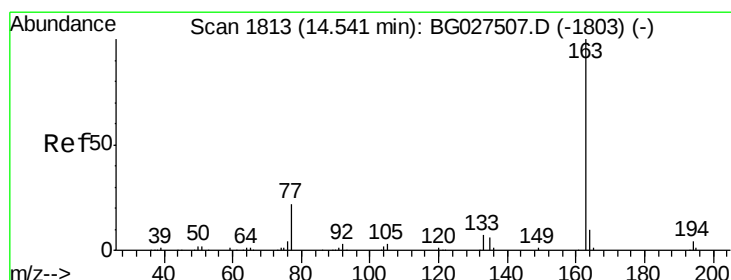
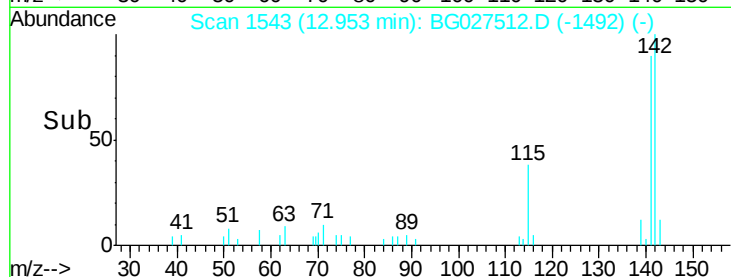
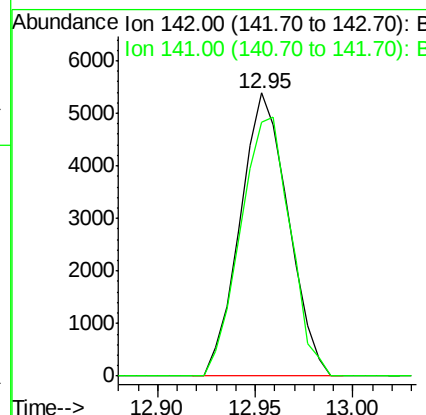
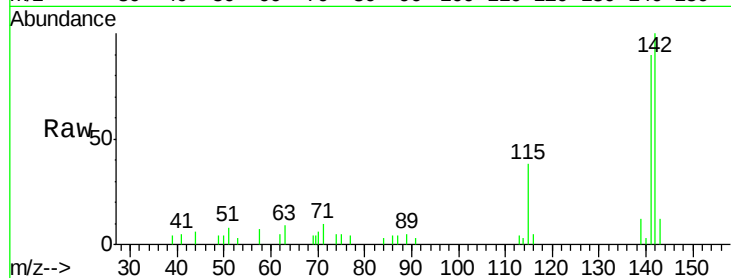




#34
 2-Methylnaphthalene
 Concen: 1.06 ng/ul
 RT: 12.95 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: BG027512.D
 Acq: 17 Jun 2017 18:30

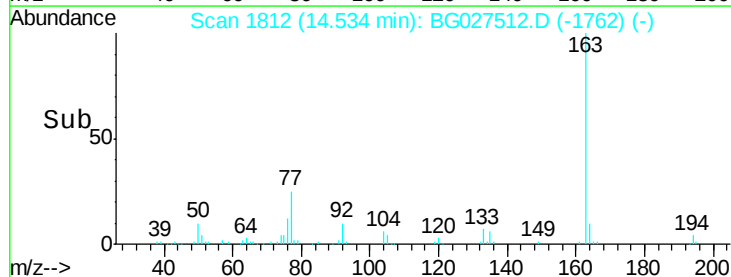
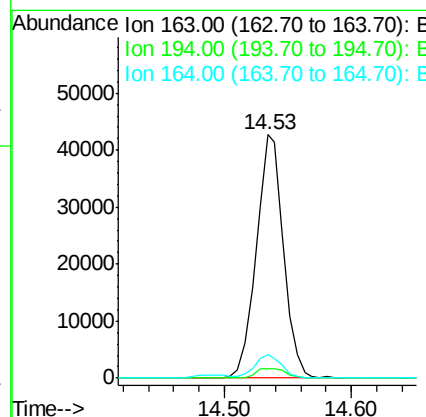
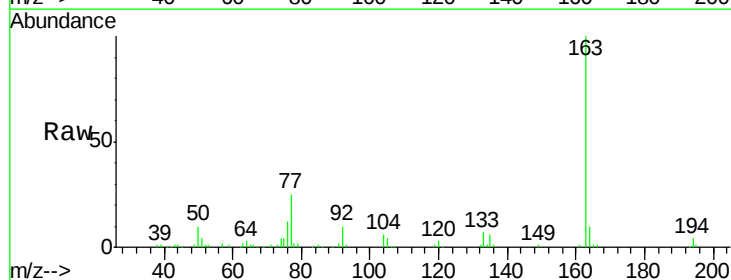
Instrument :
 BNA_G
 ClientSampleId :
 F5A87

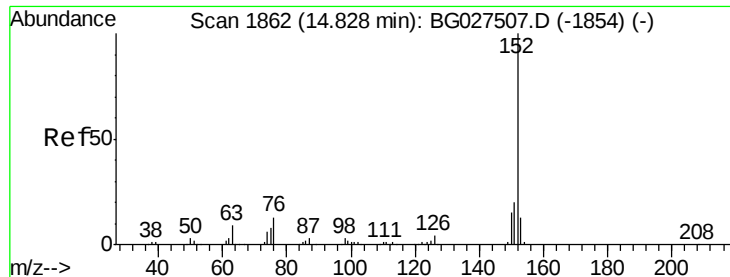
Tgt Ion:142 Resp: 9195
 Ion Ratio Lower Upper
 142 100
 141 89.8 68.6 102.8



#44
 Dimethylphthalate
 Concen: 5.17 ng/ul
 RT: 14.53 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BG027512.D
 Acq: 17 Jun 2017 18:30

Tgt Ion:163 Resp: 63604
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.4 5.0
 164 9.5 9.0 13.4





#47

Acenaphthylene

Concen: 1.11 ng/ul

RT: 14.84 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

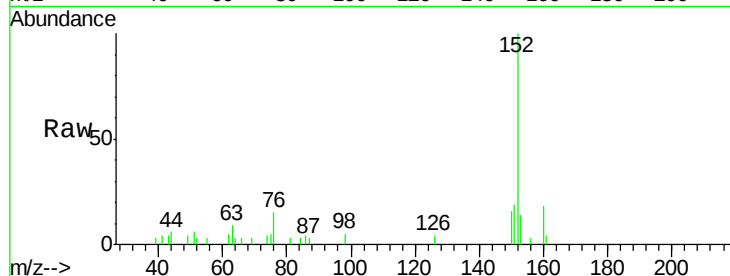
Tgt Ion:152 Resp: 15900

Ion Ratio Lower Upper

152 100

151 19.3 16.7 25.1

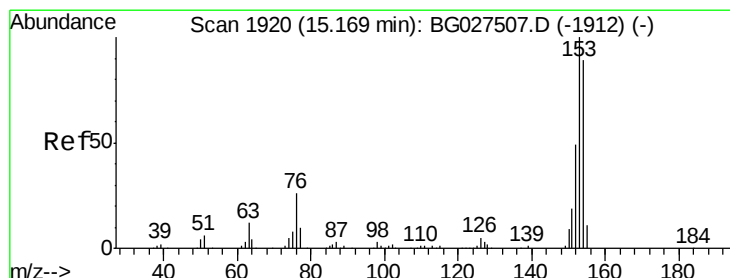
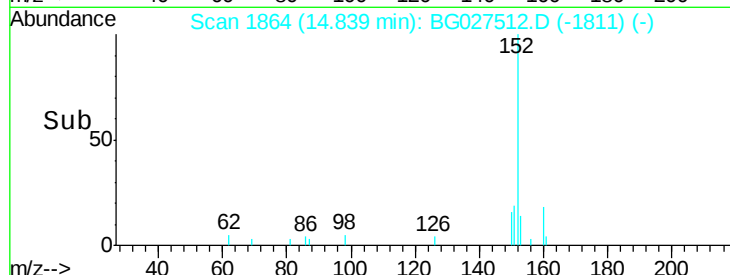
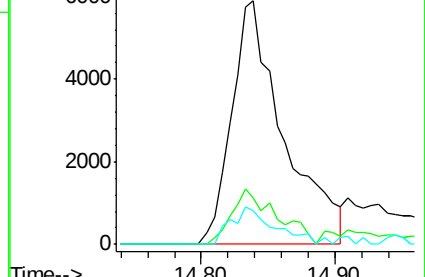
153 14.1 11.4 17.2



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: 1.37 ng/ul

RT: 15.17 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

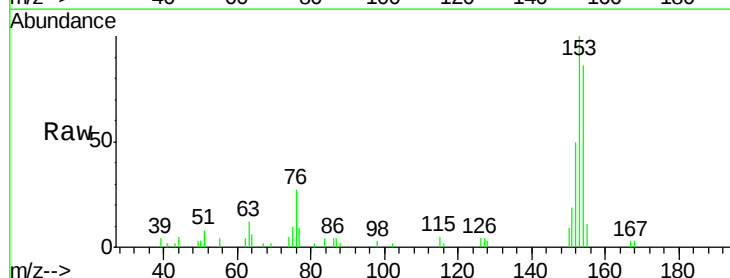
Tgt Ion:153 Resp: 13720

Ion Ratio Lower Upper

153 100

152 50.2 36.5 54.7

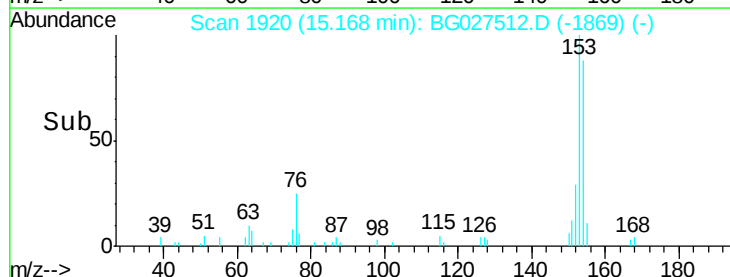
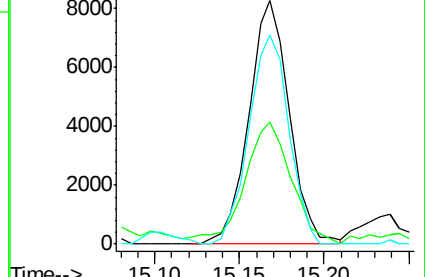
154 85.7 72.3 108.5

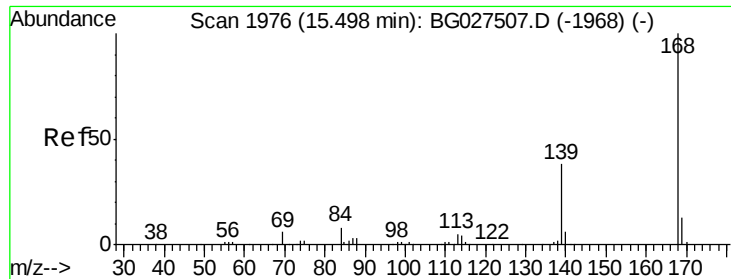


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.27 ng/ul

RT: 15.50 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

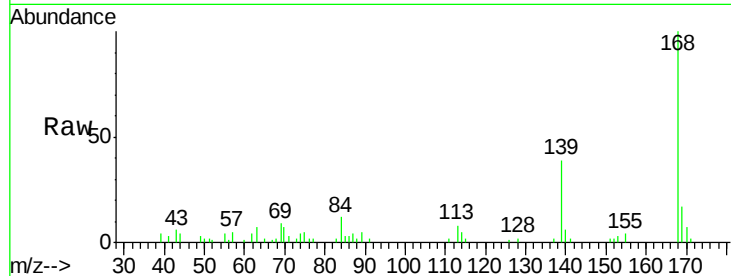
F5A87

Tgt Ion:168 Resp: 18479

Ion Ratio Lower Upper

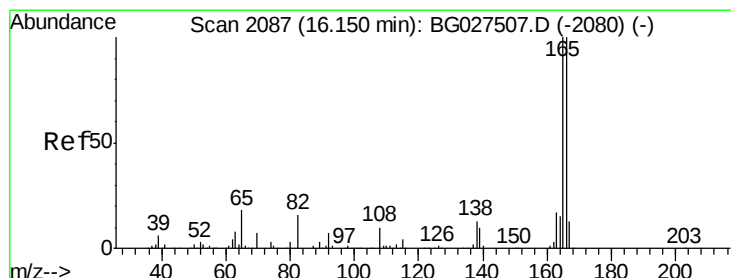
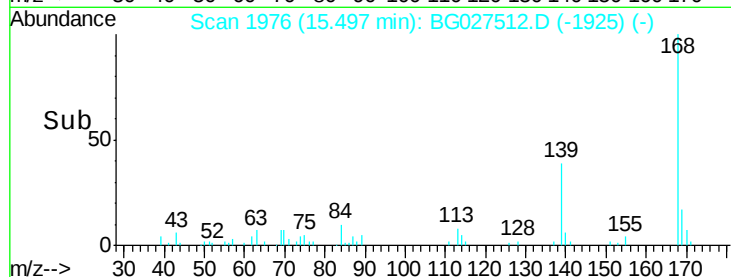
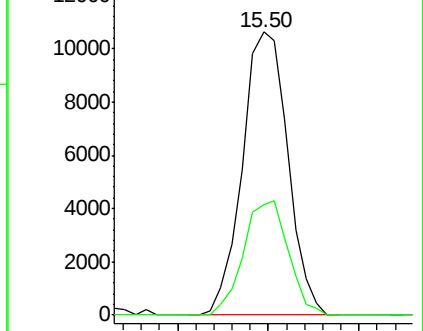
168 100

139 39.2 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.07 ng/ul

RT: 16.15 min Scan# 2087

Delta R.T. -0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

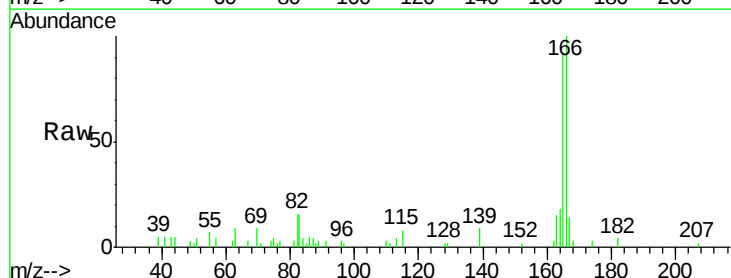
Tgt Ion:166 Resp: 12951

Ion Ratio Lower Upper

166 100

165 90.5 79.7 119.5

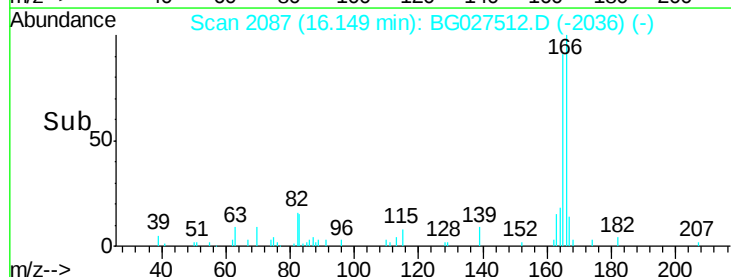
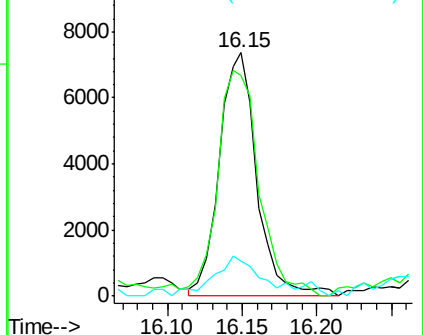
167 14.4 11.4 17.2

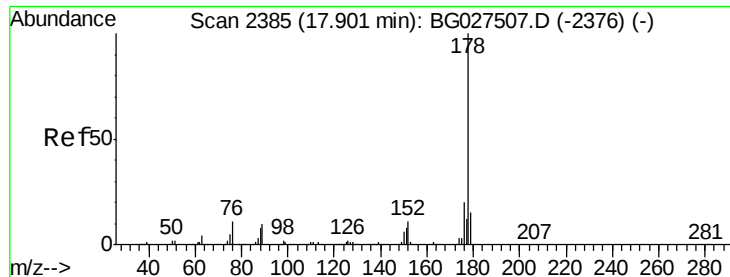


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 7.41 ng/ul

RT: 17.89 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

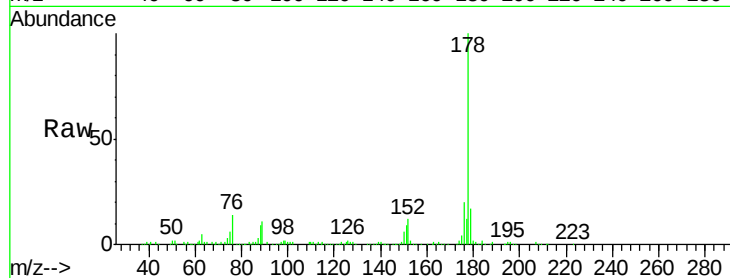
Tgt Ion:178 Resp: 131990

Ion Ratio Lower Upper

178 100

179 16.6 12.4 18.6

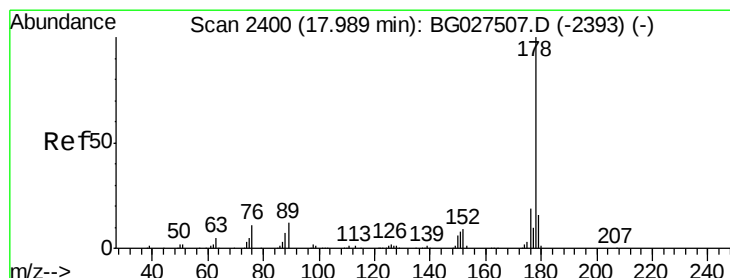
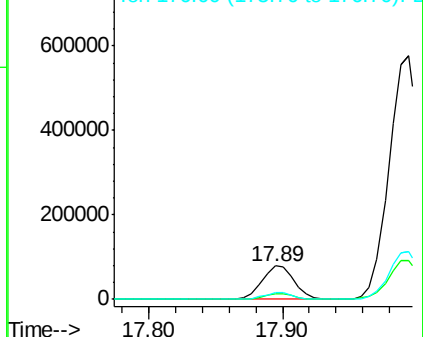
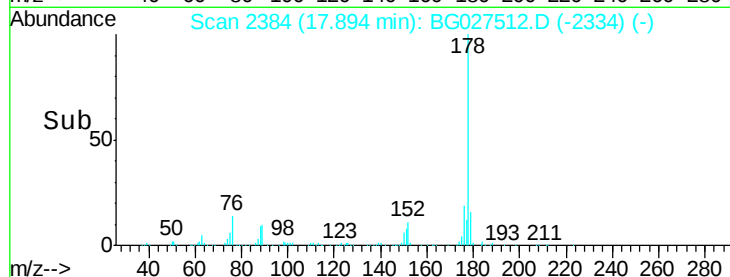
176 19.6 16.5 24.7



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: 52.88 ng/ul

RT: 17.99 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

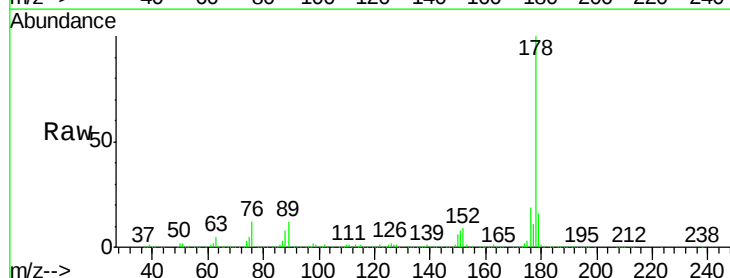
Tgt Ion:178 Resp: 957335

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

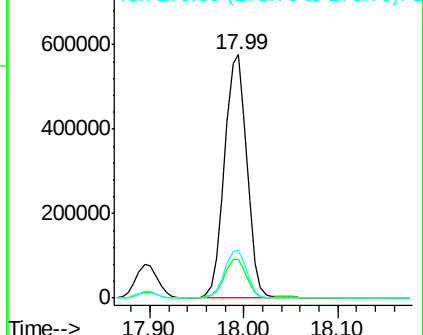
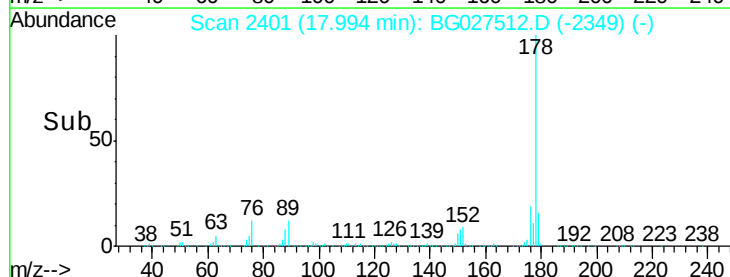
176 19.5 15.9 23.9

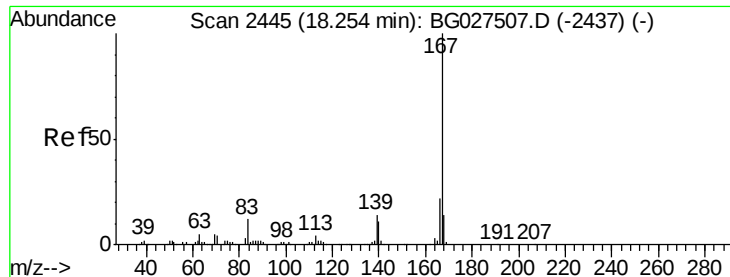


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.49 ng/ul

RT: 18.25 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

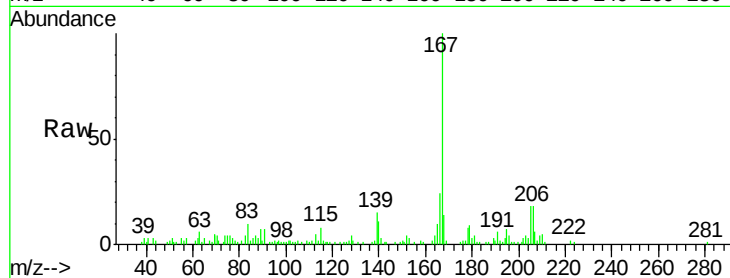
Tgt Ion:167 Resp: 38838

Ion Ratio Lower Upper

167 100

166 23.8 17.9 26.9

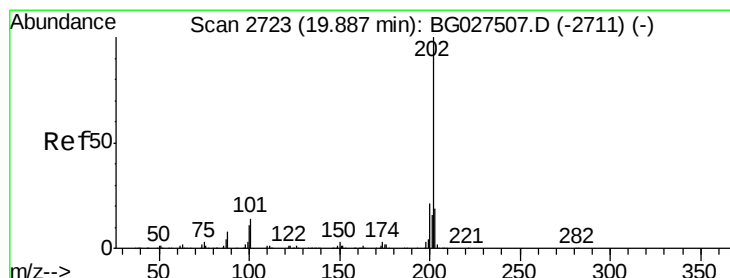
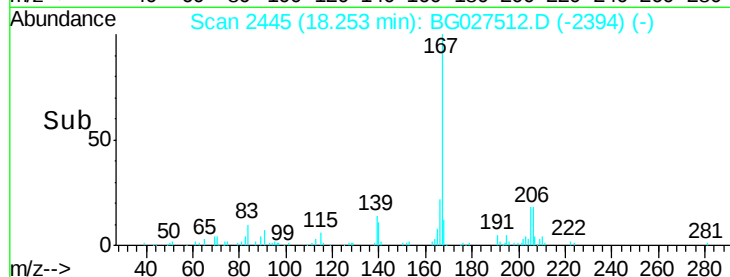
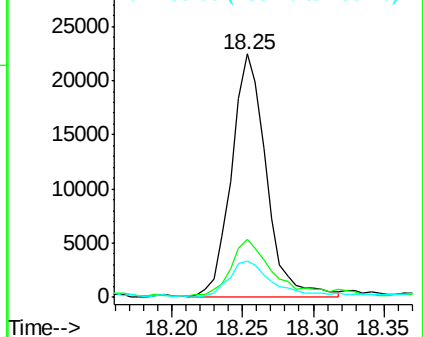
139 15.1 10.5 15.7



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



#74

Fluoranthene

Concen: 110.93 ng/ul

RT: 19.90 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

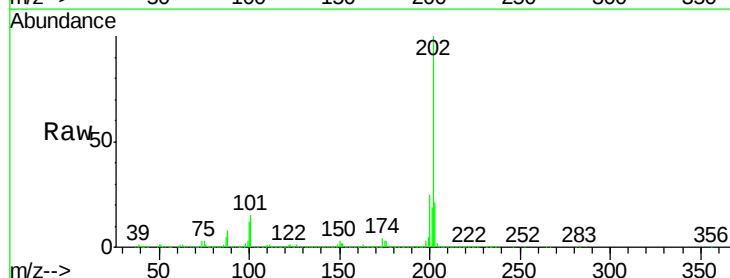
Tgt Ion:202 Resp: 2222288

Ion Ratio Lower Upper

202 100

101 15.3 6.2 9.2#

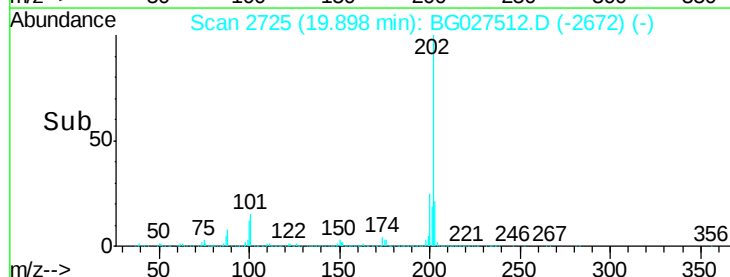
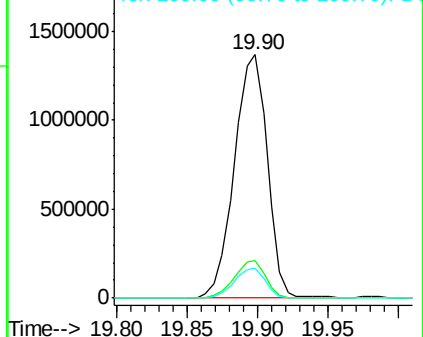
100 12.1 5.2 7.8#

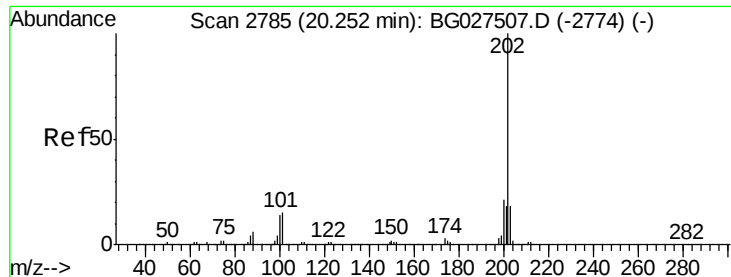


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 98.11 ng/ul

RT: 20.26 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

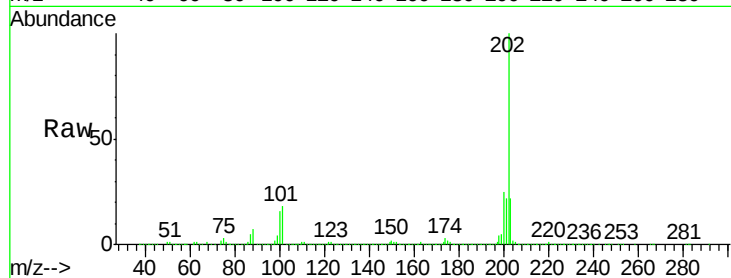
Tgt Ion:202 Resp: 2209884

Ion Ratio Lower Upper

202 100

101 18.1 6.9 10.3#

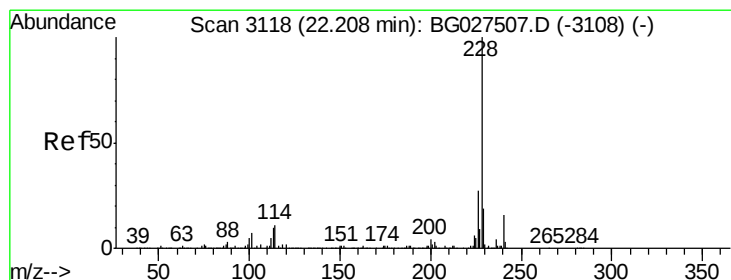
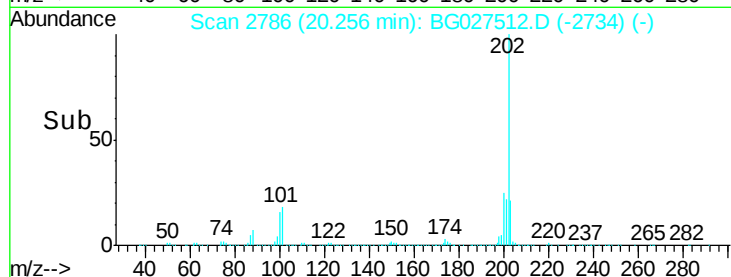
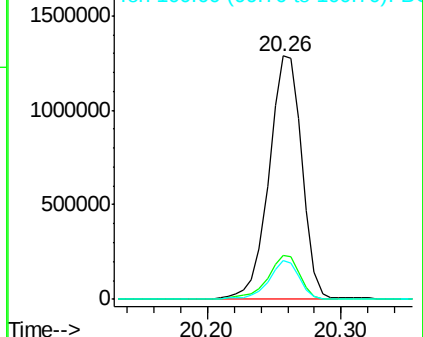
100 15.8 6.6 10.0#



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



#80

Benzo(a)anthracene

Concen: 68.72 ng/ul

RT: 22.22 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

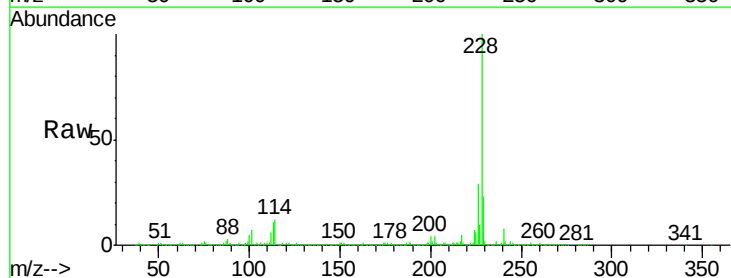
Tgt Ion:228 Resp: 1458324

Ion Ratio Lower Upper

228 100

229 22.6 16.3 24.5

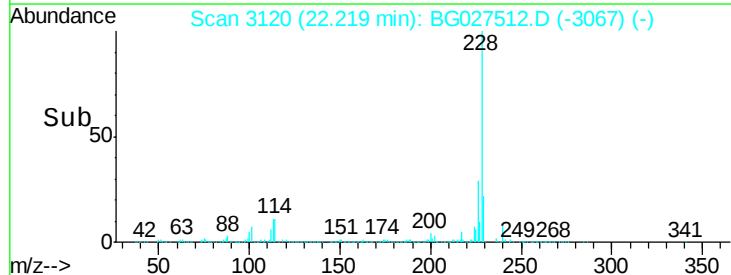
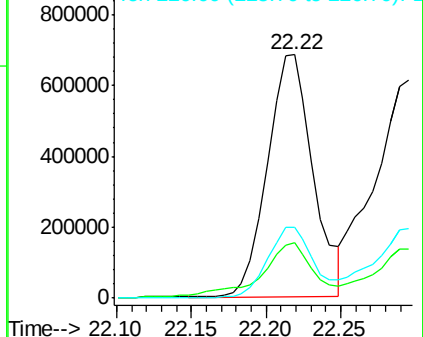
226 29.0 21.9 32.9

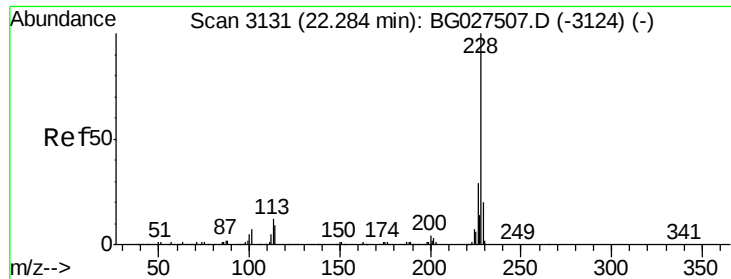


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 77.26 ng/ul

RT: 22.30 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

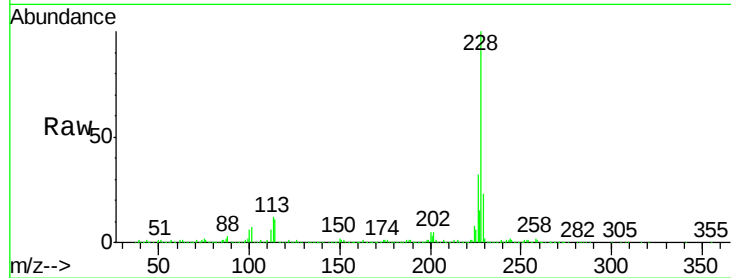
Tgt Ion:228 Resp: 1480773

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

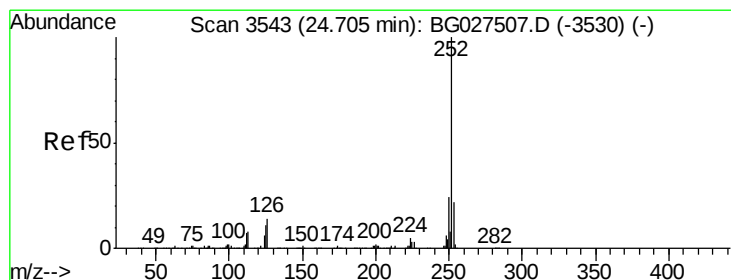
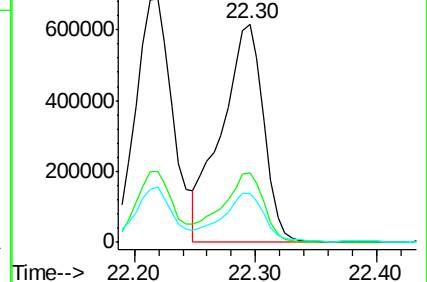
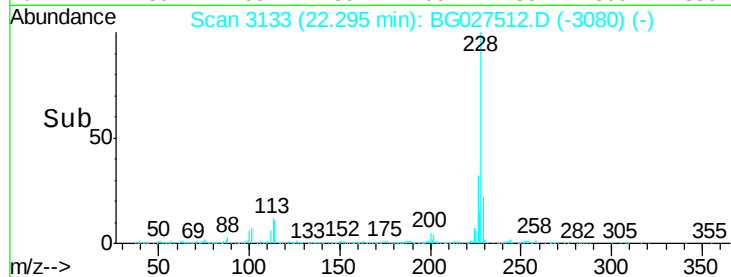
229 22.6 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 95.23 ng/ul

RT: 24.74 min Scan# 3549

Delta R.T. 0.03 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

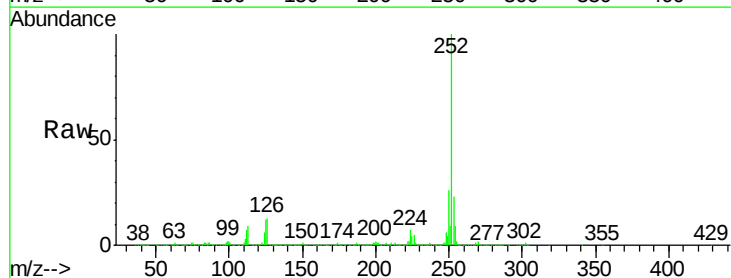
Tgt Ion:252 Resp: 2034601

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

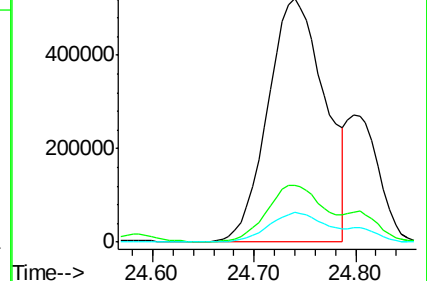
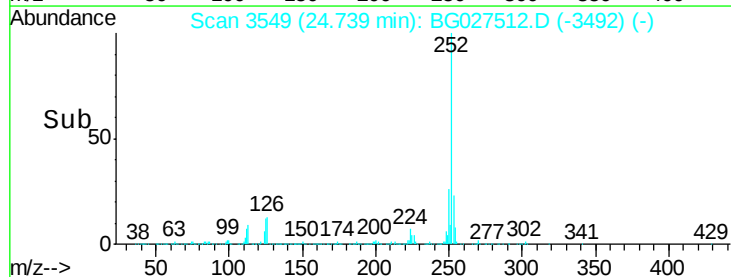
125 12.0 4.0 6.0#

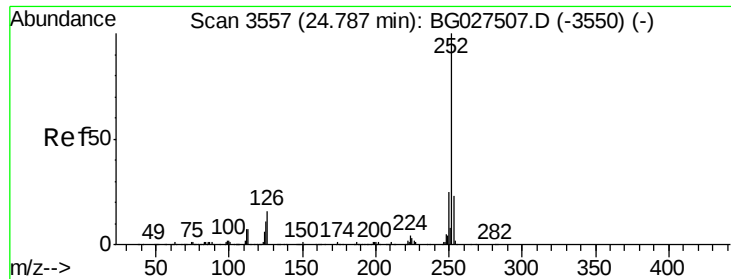


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 99.08 ng/ul

RT: 24.74 min Scan# 3549

Delta R.T. -0.05 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

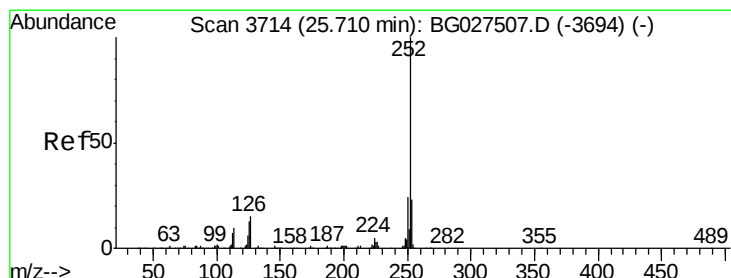
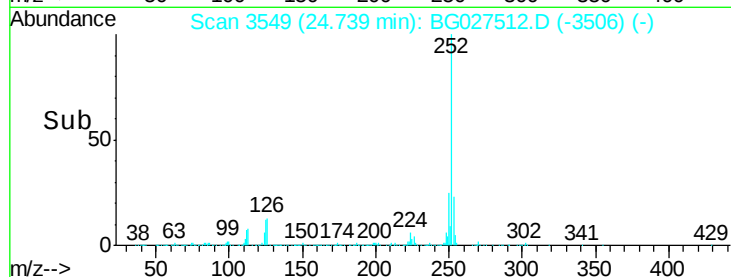
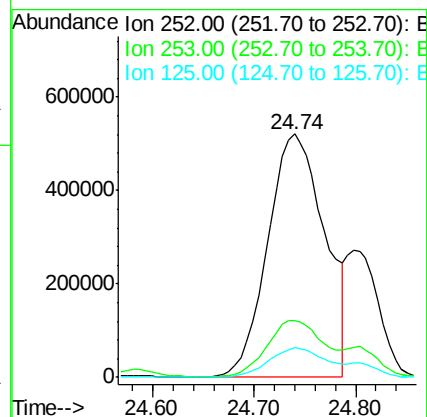
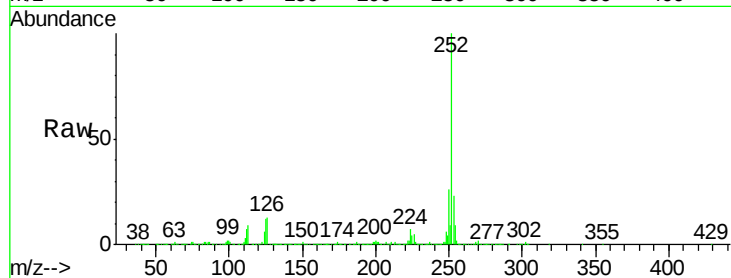
Tgt Ion:252 Resp: 2034601

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

125 12.0 4.1 6.1#



#88

Benzo(a)pyrene

Concen: 44.07 ng/ul

RT: 25.73 min Scan# 3718

Delta R.T. 0.02 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

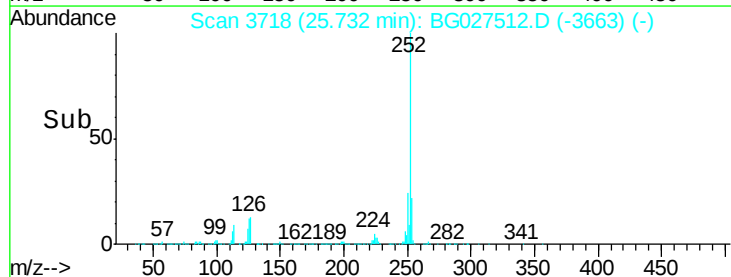
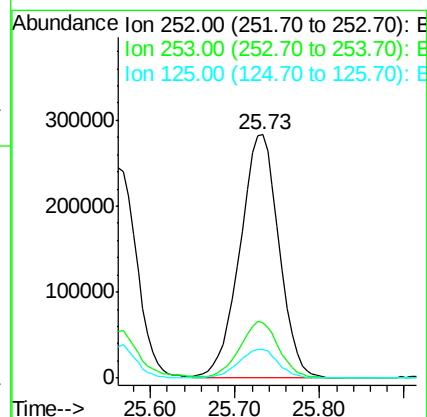
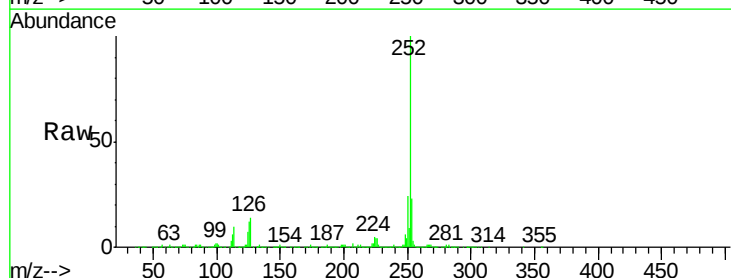
Tgt Ion:252 Resp: 903994

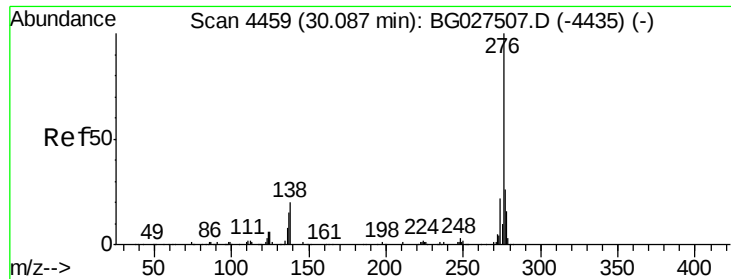
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 12.0 5.4 8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 22.32 ng/ul

RT: 30.11 min Scan# 4463

Delta R.T. 0.02 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

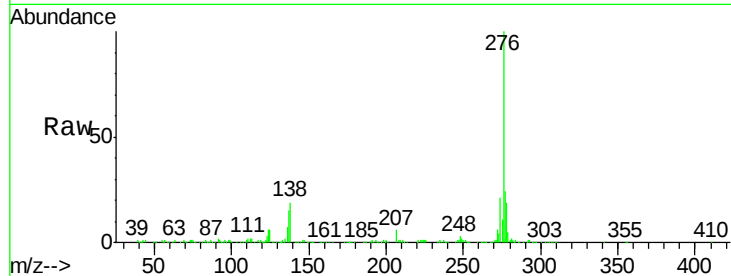
Tgt Ion:276 Resp: 522745

Ion Ratio Lower Upper

276 100

138 19.4 8.2 12.4#

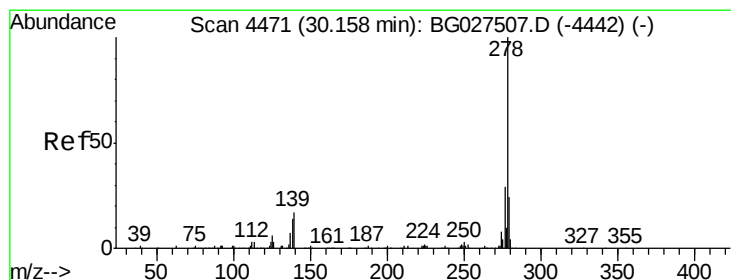
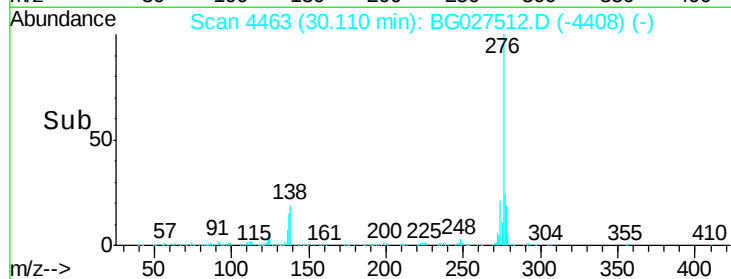
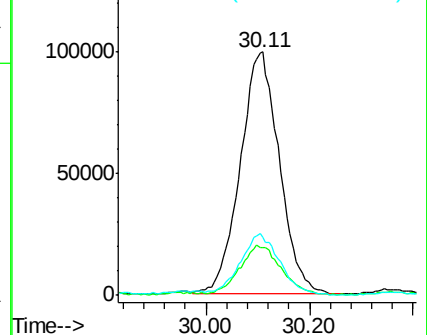
277 23.9 18.6 28.0



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



#90

Dibenzo(a,h)anthracene

Concen: 4.39 ng/ul

RT: 30.14 min Scan# 4469

Delta R.T. -0.01 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

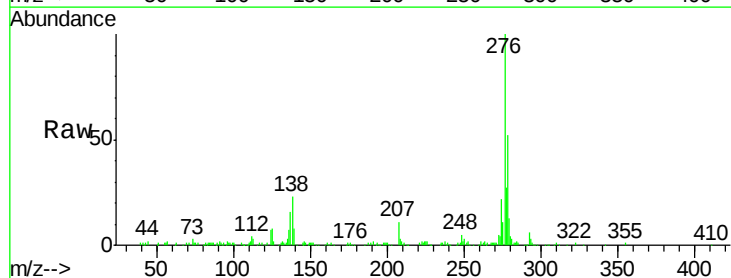
Tgt Ion:278 Resp: 88239

Ion Ratio Lower Upper

278 100

139 16.1 6.7 10.1#

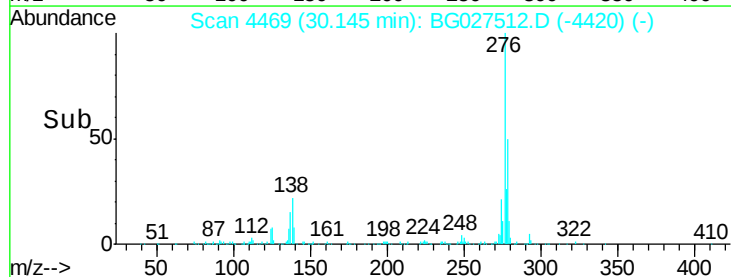
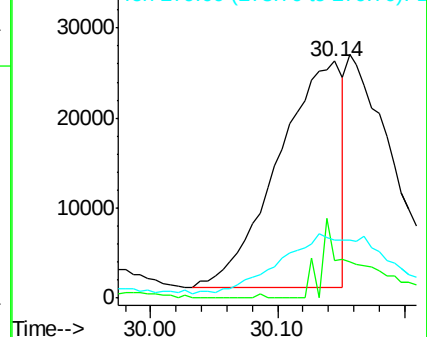
279 24.5 20.9 31.3

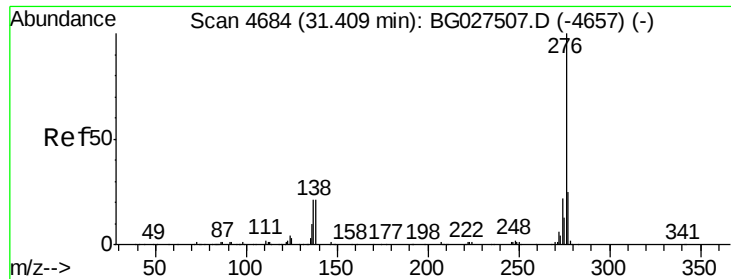


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 14.87 ng/ul

RT: 31.43 min Scan# 4687

Delta R.T. 0.02 min

Lab File: BG027512.D

Acq: 17 Jun 2017 18:30

Instrument :

BNA_G

ClientSampleId :

F5A87

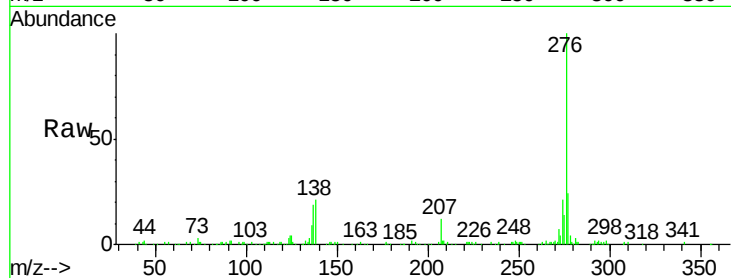
Tgt Ion:276 Resp: 285118

Ion Ratio Lower Upper

276 100

138 20.8 8.6 12.8#

277 24.4 17.6 26.4



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

