

Data File : BG027547.D
Acq On : 20 Jun 2017 2:56
Operator : SJ/MA
Sample : I3627-13 25X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5E24

Quant Time: Jun 20 03:30:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 20 01:50:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	34751	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	173524	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	112158	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.95	188	12898	20.00	ng/ul	0.10
75) Chrysene-d12	22.35	240	818	20.00	ng/ul	0.12
83) Perylene-d12	25.88	264	260248	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.65	99	2917	0.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2092	0.81	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2230	0.90	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	1935	0.66	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	1729	1.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.41	143	1099	0.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	2182	0.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	4189	1.31	ng/ul	0.01
43) Dimethylphthalate-d6	14.49	166	9180	0.98	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	10117	0.94	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	1223	0.67	ng/ul	0.00
57) Fluorene-d10	16.09	176	9526	1.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	137	1.71	ng/ul	0.01
70) Anthracene-d10	17.95	188	12898	21.45	ng/ul	0.00
76) Pyrene-d10	20.30	212	63	1.58	ng/ul	0.08
87) Benzo(a)pyrene-d12	25.63	264	12030	1.03	ng/ul	0.00

Target Compounds

						Qvalue
17) Hexachloroethane	9.62	117	1627	1.69	ng/ul#	1
28) Naphthalene	11.40	128	2994704	335.83	ng/ul#	93
30) 4-Chloroaniline	11.40	127	477183	150.98	ng/ul#	24
34) 2-Methylnaphthalene	12.95	142	561286	84.88	ng/ul	95
40) 1,1'-Biphenyl	13.94	154	147362	16.61	ng/ul#	93
47) Acenaphthylene	14.83	152	32896	3.03	ng/ul#	95
49) Acenaphthene	15.17	153	520012	68.79	ng/ul	97
53) Dibenzofuran	15.50	168	570414	51.77	ng/ul	98
58) Fluorene	16.15	166	618420	67.63	ng/ul	100
60) 4-Nitroaniline	16.15	138	7608	3.30	ng/ul#	1
64) N-Nitrosodiphenylamine	16.45	169	4200	11.32	ng/ul#	46
69) Phenanthrene	17.99	178	392238	565.90	ng/ul	98
71) Anthracene	17.99	178	392238	556.54	ng/ul	99
72) Carbazole	18.25	167	177043	292.08	ng/ul	99
74) Fluoranthene	19.98	202	4830	6.19	ng/ul#	66
77) Pyrene	20.39	202	1708	35.32	ng/ul#	53
78) Butylbenzylphthalate	21.24	149	135	7.41	ng/ul#	55
79) 3,3'-Dichlorobenzidine	22.18	252	157	10.43	ng/ul#	9
80) Benzo(a)anthracene	22.28	228	263708	5789.08	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	22.16	149	118	4.51	ng/ul#	54
82) Chrysene	22.28	228	262983	6392.33	ng/ul	99
85) Benzo(b)fluoranthene	24.71	252	210302	13.57	ng/ul#	97
86) Benzo(k)fluoranthene	24.71	252	210302	14.12	ng/ul#	96

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061917\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	25.70	252	135300	9.09	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	30.07	276	48373	2.85	ng/ul#	89
91) Benzo(g,h,i)perylene	31.40	276	30540	2.20	ng/ul#	92

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

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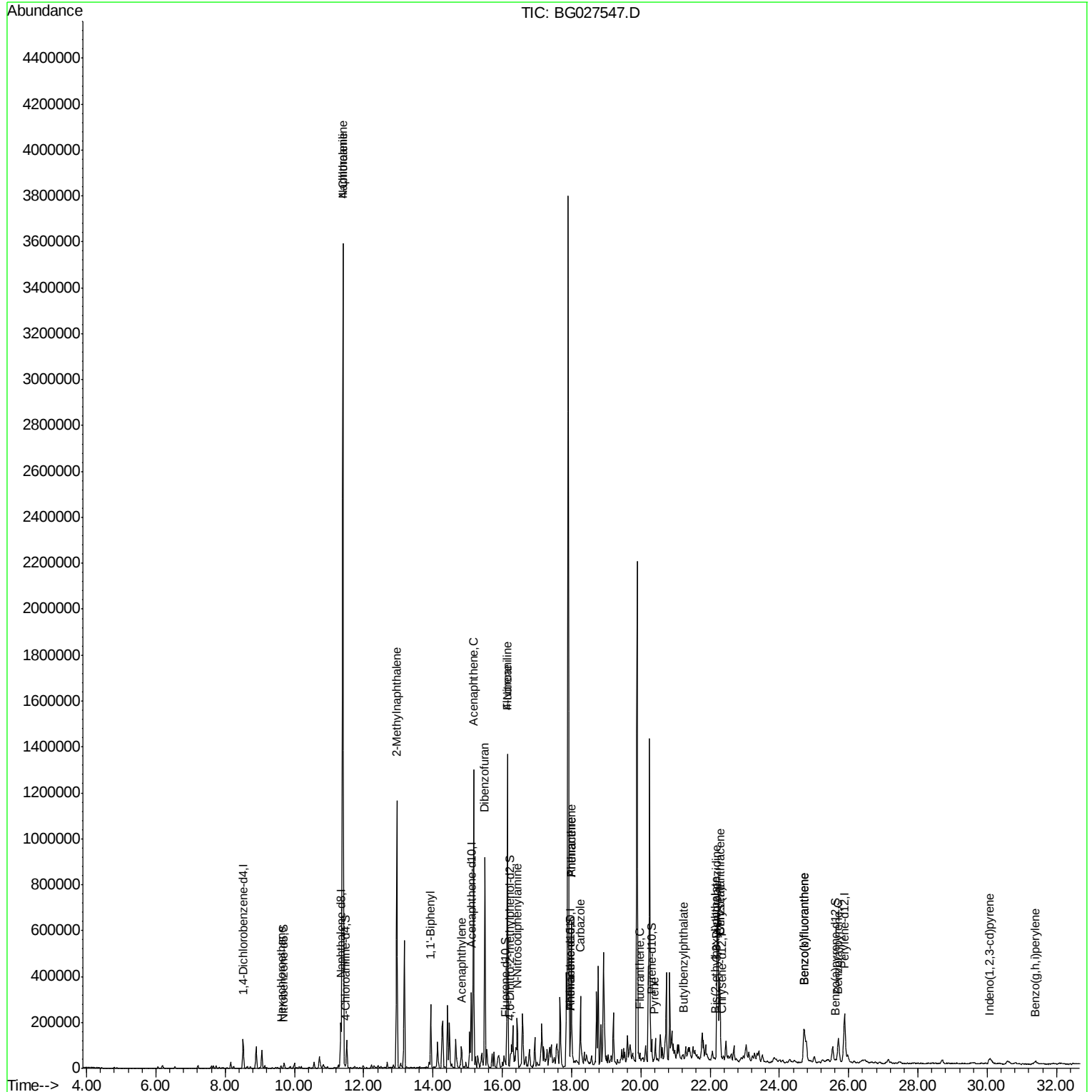
Quant Time: Jun 20 03:30:13 2017

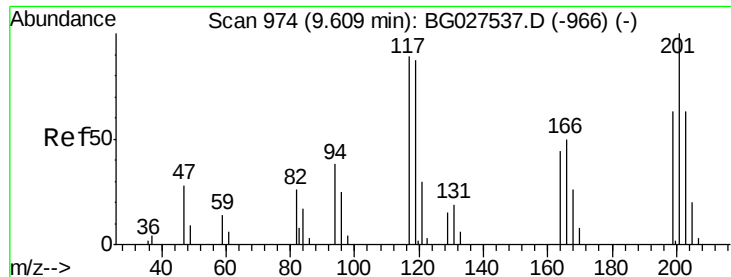
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

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#17

Hexachloroethane

Concen: 1.69 ng/ul

RT: 9.62 min Scan# 976

Delta R.T. 0.01 min

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Instrument :

BNA_G

ClientSampleId :

F5E24

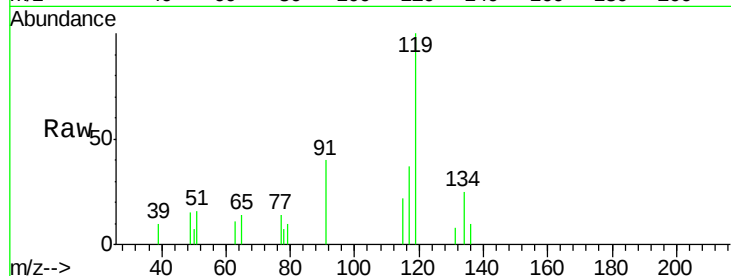
Tgt Ion:117 Resp: 1627

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

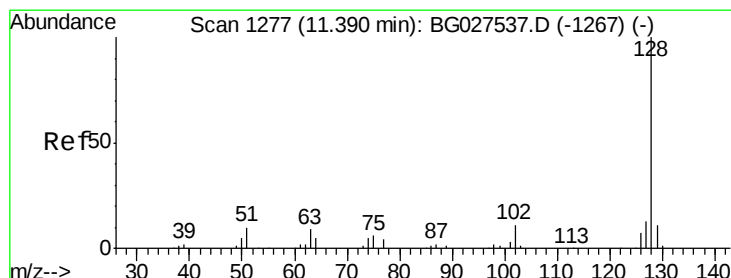
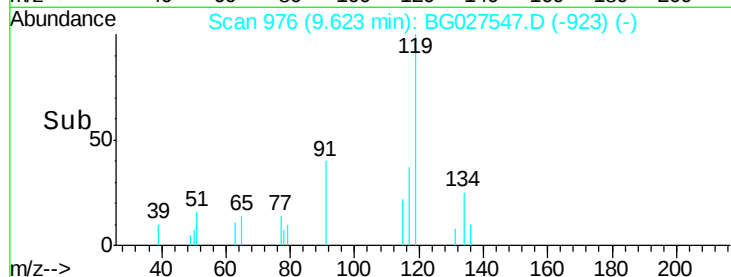
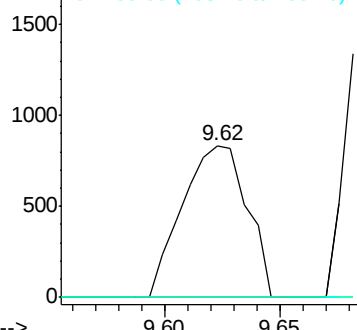
199 0.0 64.3 96.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 335.83 ng/ul

RT: 11.40 min Scan# 1278

Delta R.T. 0.01 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

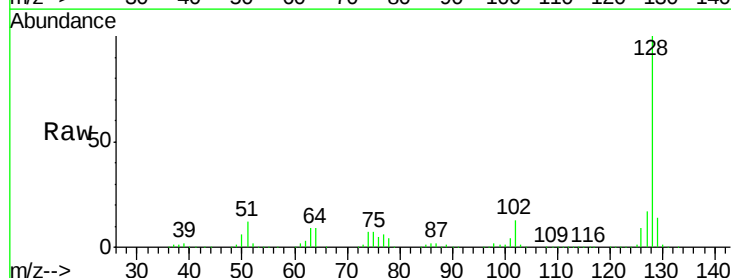
Tgt Ion:128 Resp: 2994704

Ion Ratio Lower Upper

128 100

129 13.5 9.4 14.2

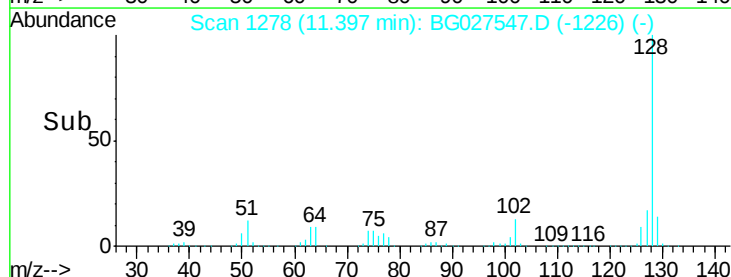
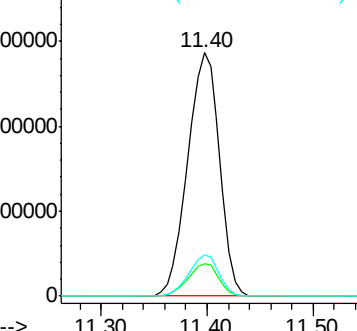
127 16.8 10.3 15.5#

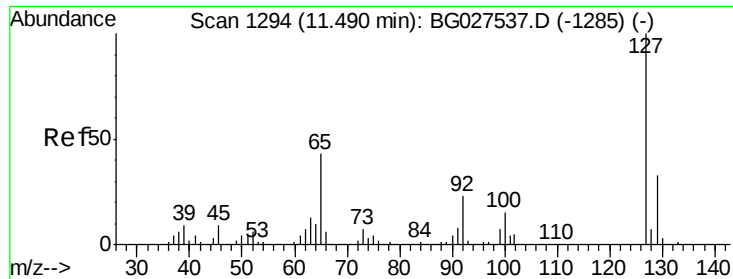


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

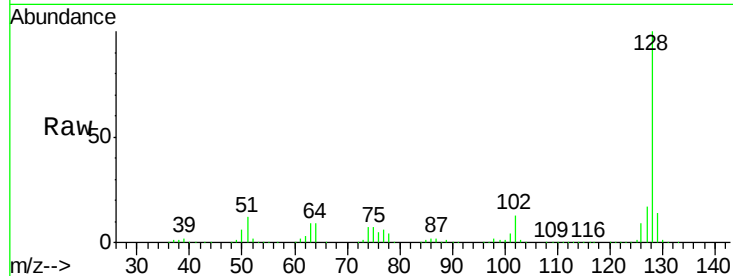




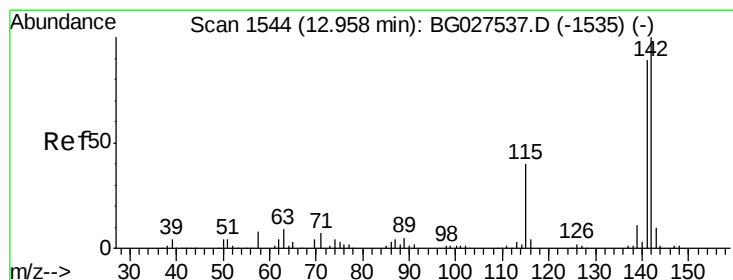
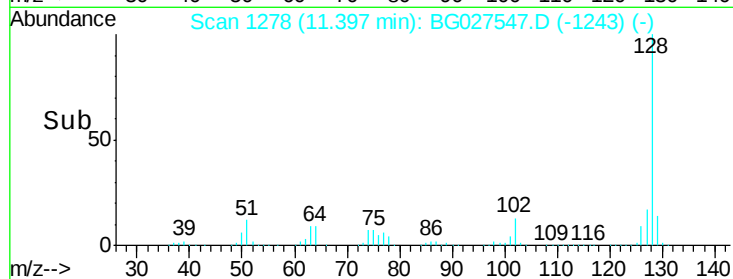
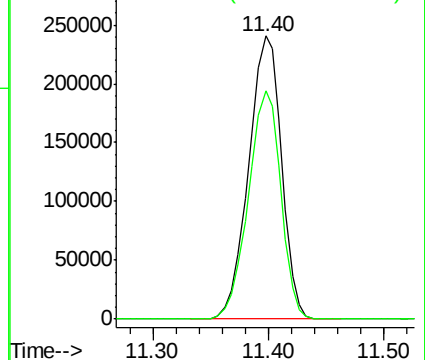
#30
4-Chloroaniline
Concen: 150.98 ng/ul
RT: 11.40 min Scan# 1278
Delta R.T. -0.09 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

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Tgt Ion:127 Resp: 477183
Ion Ratio Lower Upper
127 100
129 80.7 28.9 43.3#

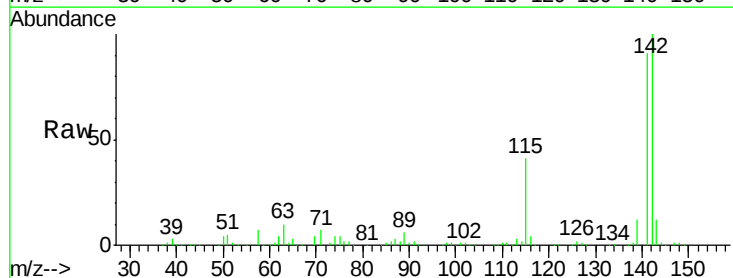


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

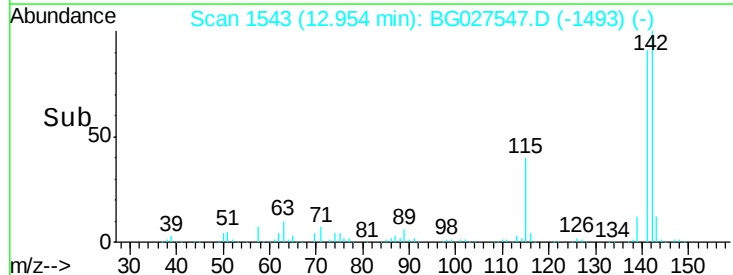
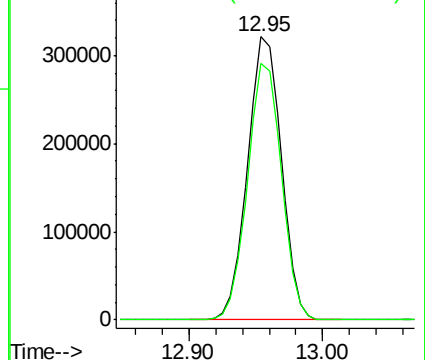


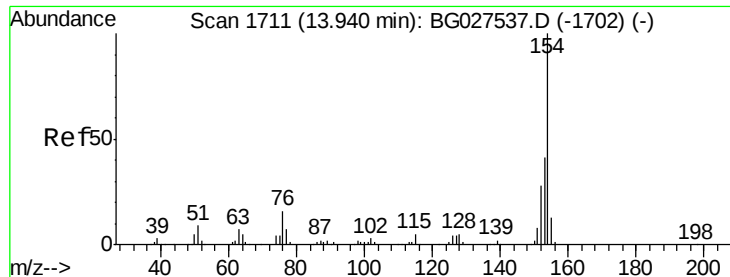
#34
2-Methylnaphthalene
Concen: 84.88 ng/ul
RT: 12.95 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Tgt Ion:142 Resp: 561286
Ion Ratio Lower Upper
142 100
141 90.7 68.6 102.8



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

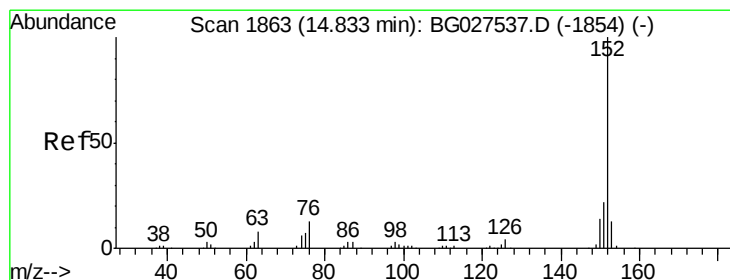
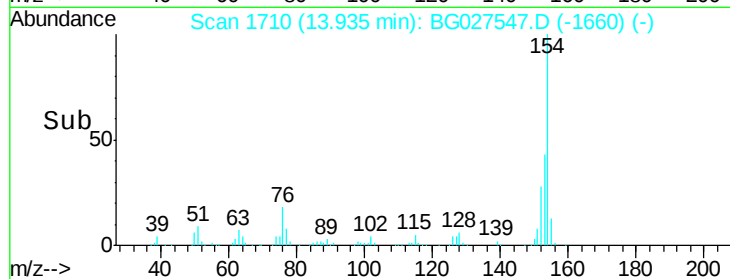
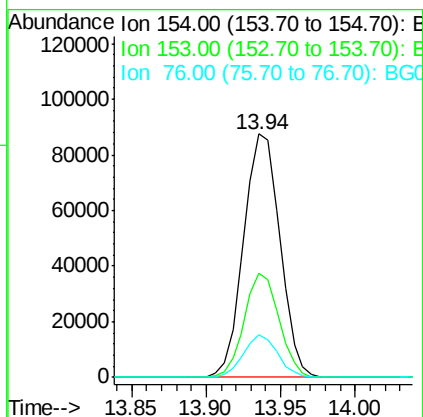
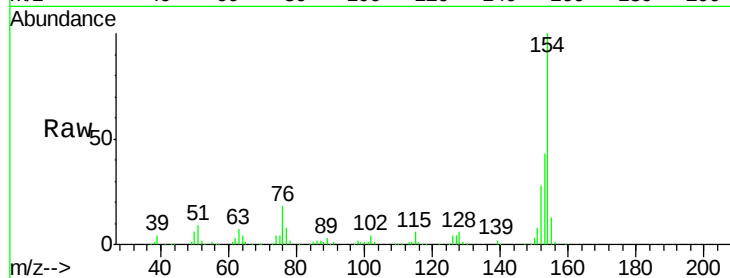




#40
 1,1'-Biphenyl
 Concen: 16.61 ng/ul
 RT: 13.94 min Scan# 1710
 Delta R.T. -0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

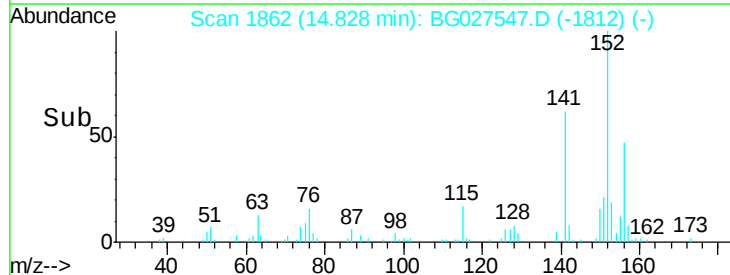
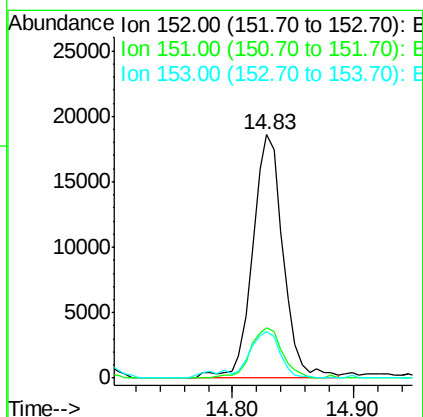
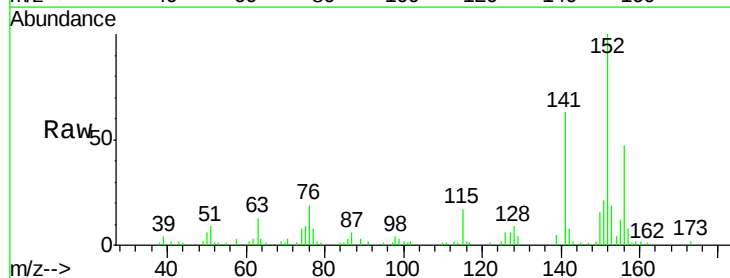
Instrument :
 BNA_G
 ClientSampleId :
 F5E24

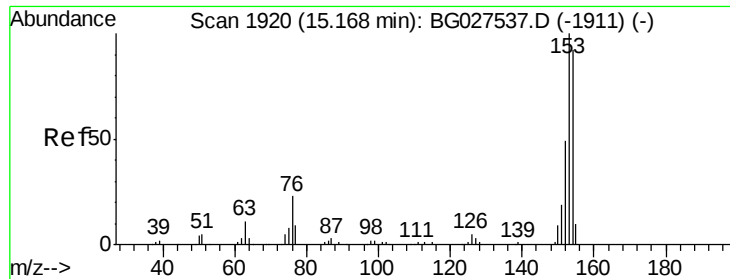
Tgt Ion:	154	Resp:	147362
Ion	Ratio	Lower	Upper
154	100		
153	42.9	32.2	48.2
76	17.7	9.6	14.4#



#47
 Acenaphthylene
 Concen: 3.03 ng/ul
 RT: 14.83 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Tgt Ion:	152	Resp:	32896
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.7	25.1
153	19.1	11.4	17.2#





#49

Acenaphthene

Concen: 68.79 ng/ul

RT: 15.17 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampleId :

F5E24

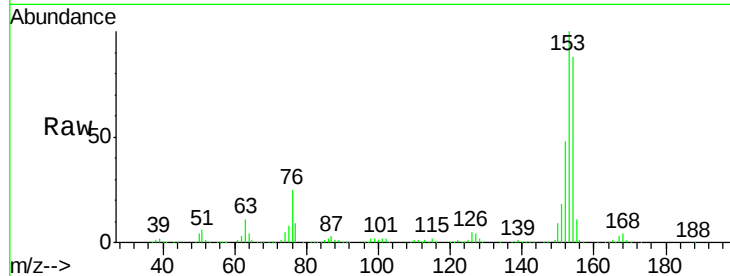
Tgt Ion:153 Resp: 520012

Ion Ratio Lower Upper

153 100

152 47.7 36.5 54.7

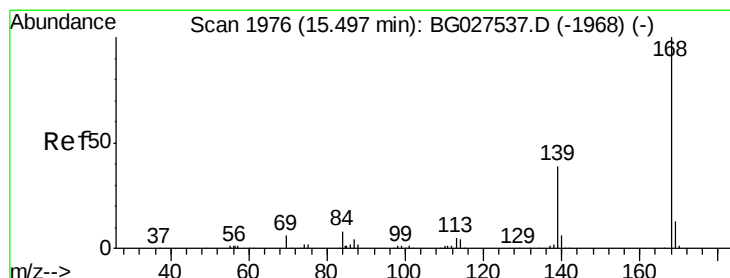
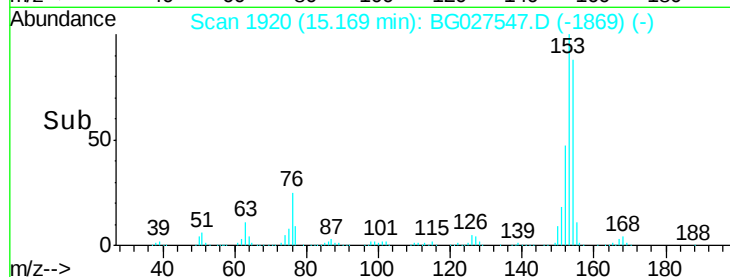
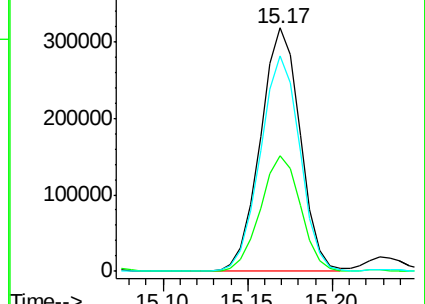
154 88.2 72.3 108.5



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

Dibenzofuran

Concen: 51.77 ng/ul

RT: 15.50 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG027547.D

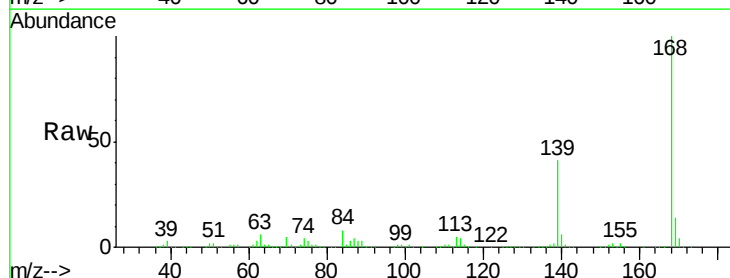
Acq: 20 Jun 2017 2:56

Tgt Ion:168 Resp: 570414

Ion Ratio Lower Upper

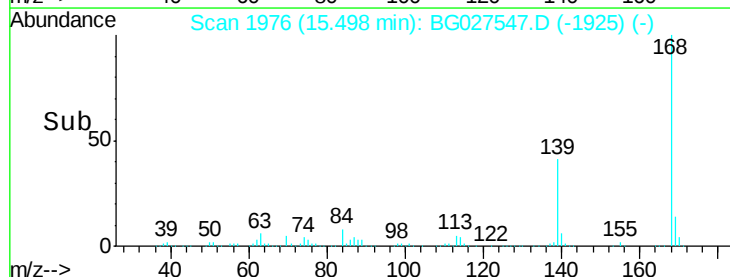
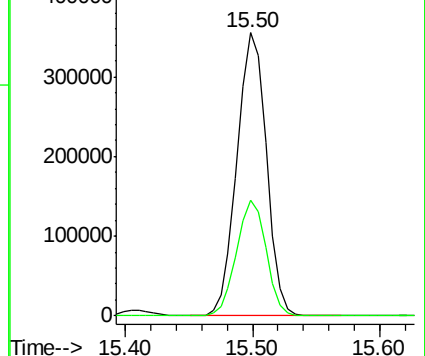
168 100

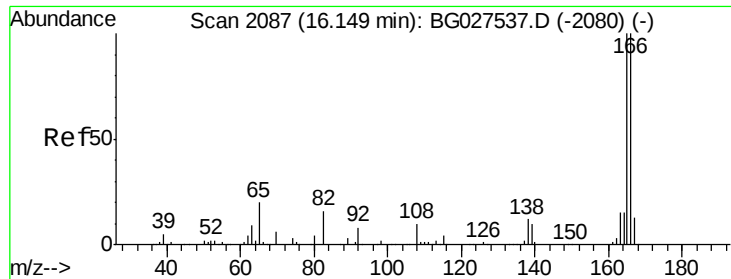
139 41.0 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 67.63 ng/ul

RT: 16.15 min Scan# 2087

Delta R.T. 0.00 min

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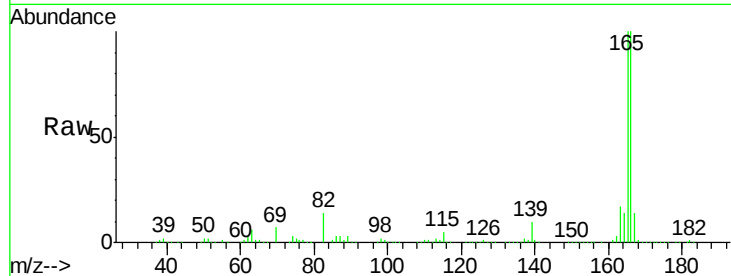
Tgt Ion:166 Resp: 618420

Ion Ratio Lower Upper

166 100

165 99.9 79.7 119.5

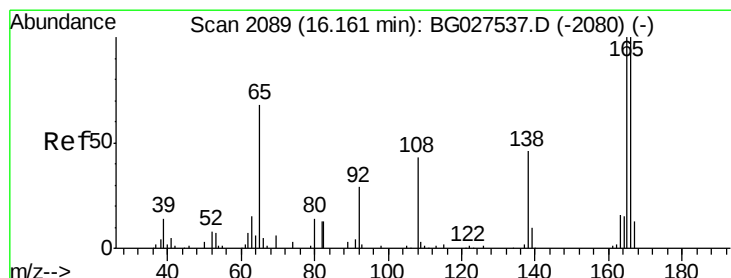
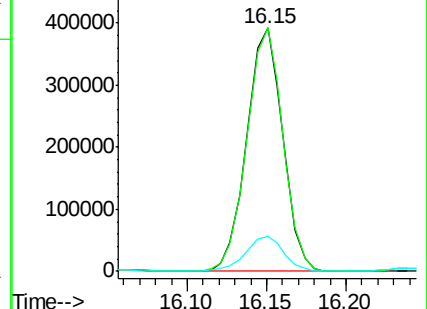
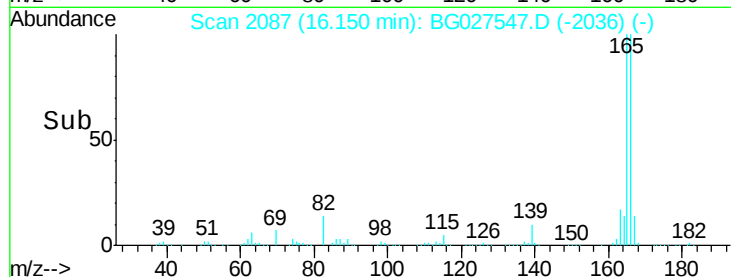
167 14.1 11.4 17.2



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



#60

4-Nitroaniline

Concen: 3.30 ng/ul

RT: 16.15 min Scan# 2087

Delta R.T. -0.01 min

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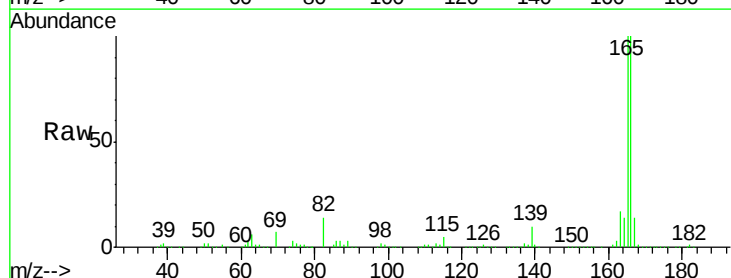
Tgt Ion:138 Resp: 7608

Ion Ratio Lower Upper

138 100

92 0.0 56.9 85.3#

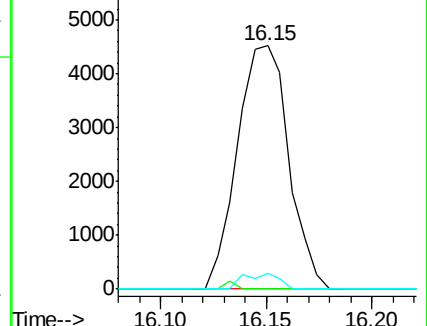
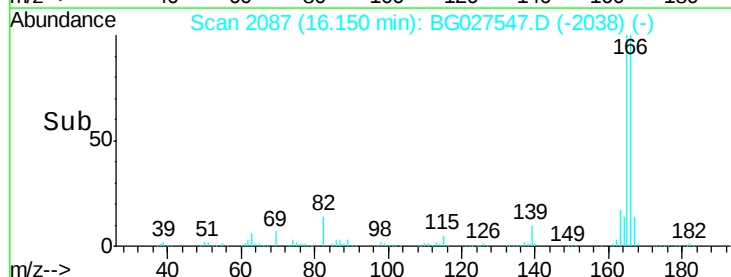
108 6.3 104.9 157.3#

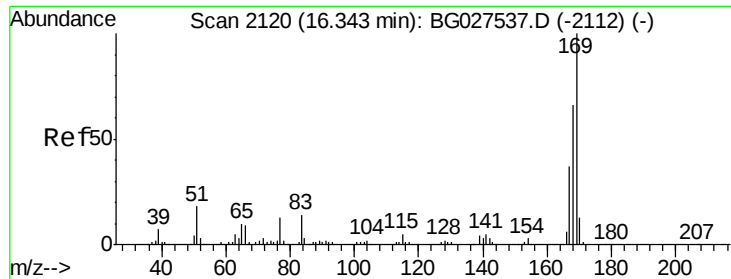


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#64

N-Nitrosodiphenylamine

Concen: 11.32 ng/ul

RT: 16.45 min Scan# 2138

Delta R.T. 0.11 min

Lab File: BG027547.D

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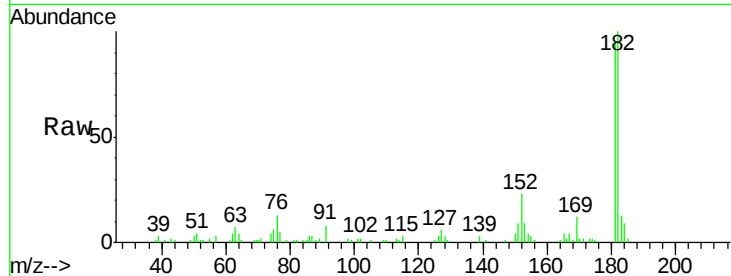
Tgt Ion:169 Resp: 4200

Ion Ratio Lower Upper

169 100

168 7.9 59.1 88.7#

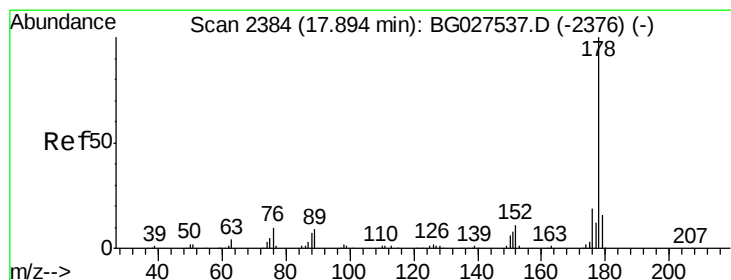
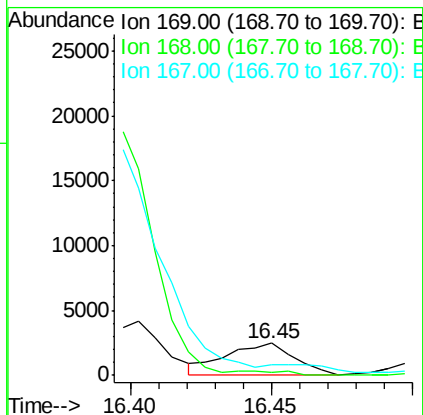
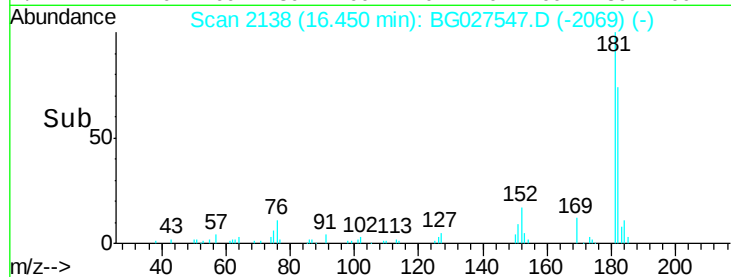
167 32.8 29.7 44.5



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: 565.90 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.10 min

Lab File: BG027547.D

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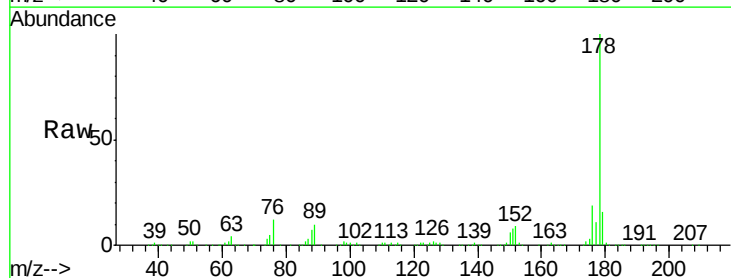
Tgt Ion:178 Resp: 392238

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

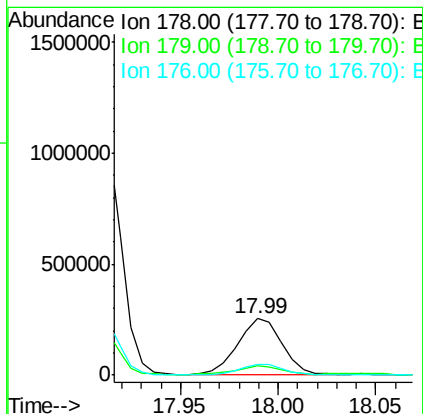
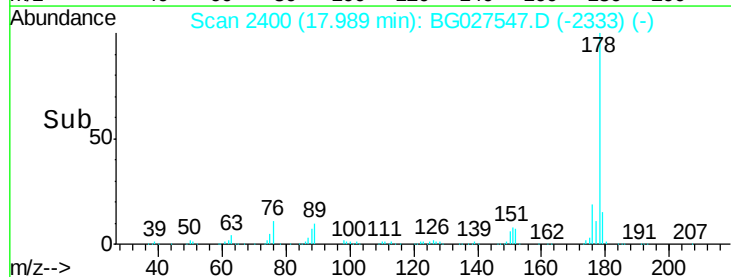
176 19.1 16.5 24.7

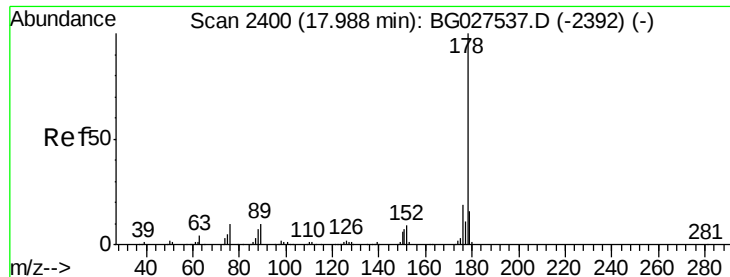


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

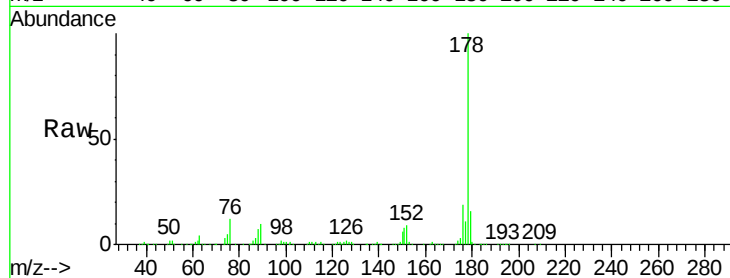




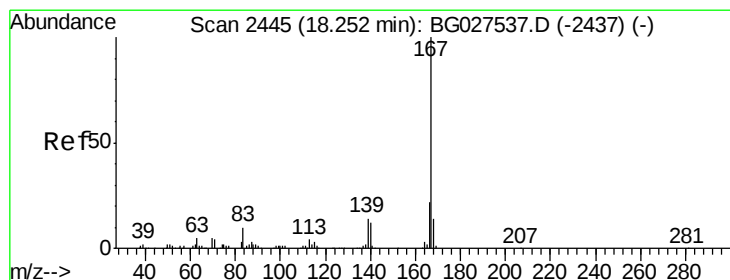
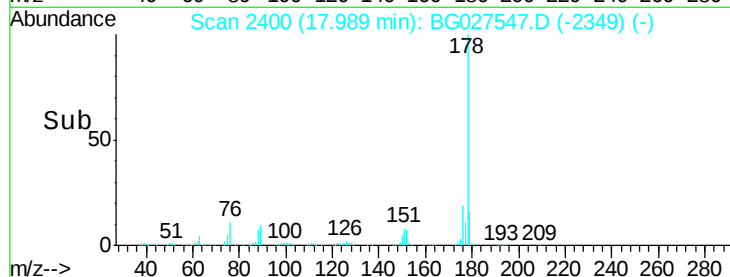
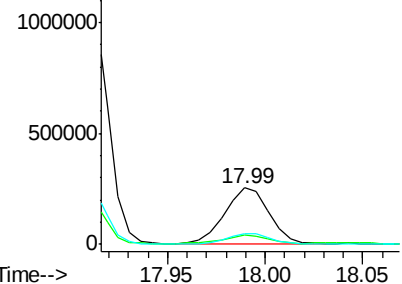
#71
 Anthracene
 Concen: 556.54 ng/ul
 RT: 17.99 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Instrument :
 BNA_G
 ClientSampleId :
 F5E24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	19.0
176	19.1	15.9	23.9

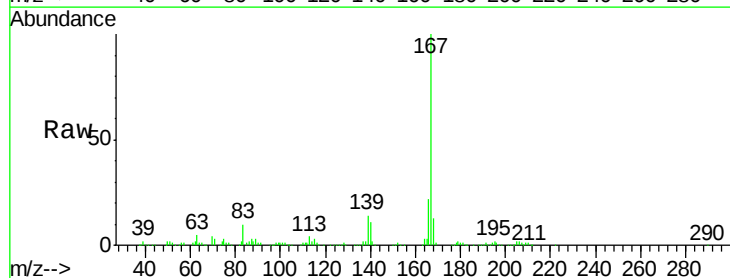


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

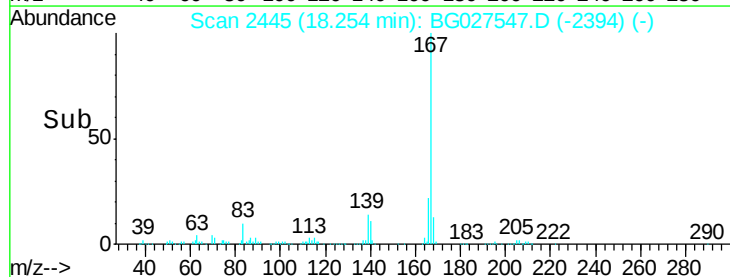
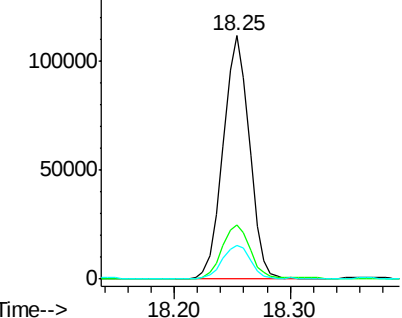


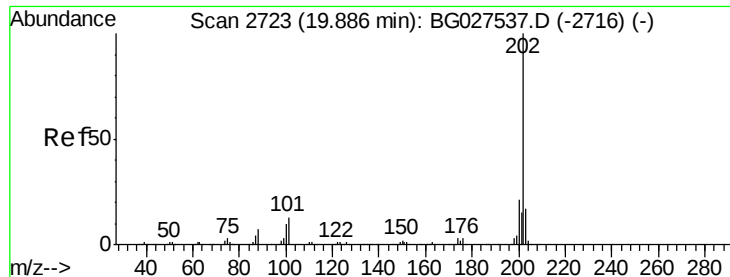
#72
 Carbazole
 Concen: 292.08 ng/ul
 RT: 18.25 min Scan# 2445
 Delta R.T. 0.00 min
 Lab File: BG027547.D
 Acq: 20 Jun 2017 2:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	13.8	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: 6.19 ng/ul

RT: 19.98 min Scan# 2738

Delta R.T. 0.09 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampleId :

F5E24

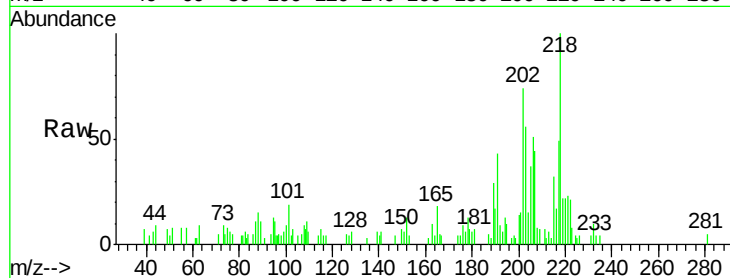
Tgt Ion:202 Resp: 4830

Ion Ratio Lower Upper

202 100

101 25.3 6.2 9.2#

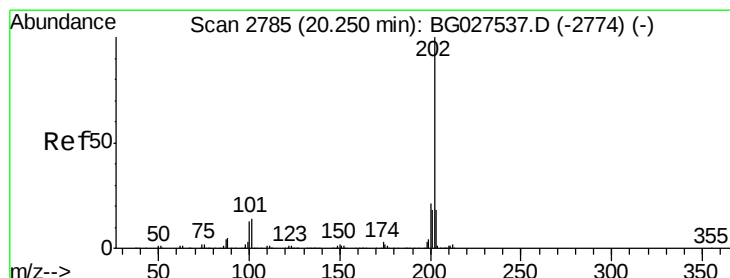
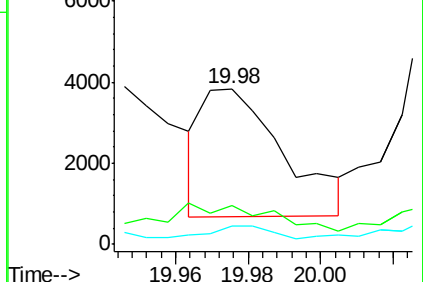
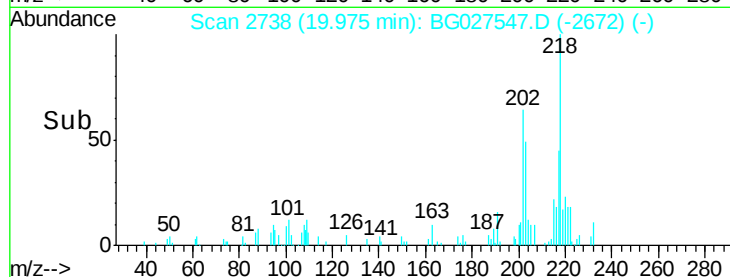
100 11.6 5.2 7.8#



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): B



#77

Pyrene

Concen: 35.32 ng/ul

RT: 20.39 min Scan# 2808

Delta R.T. 0.14 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

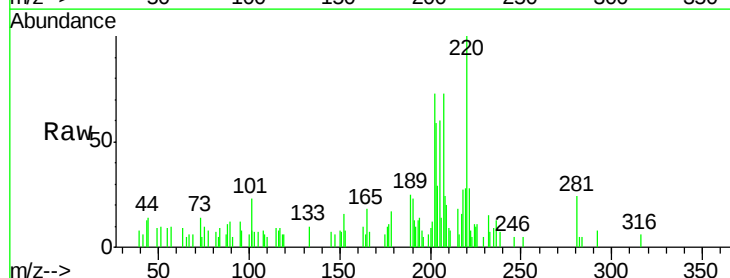
Tgt Ion:202 Resp: 1708

Ion Ratio Lower Upper

202 100

101 41.7 6.9 10.3#

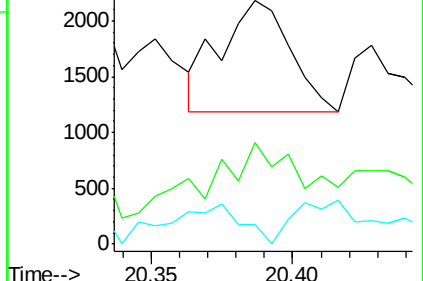
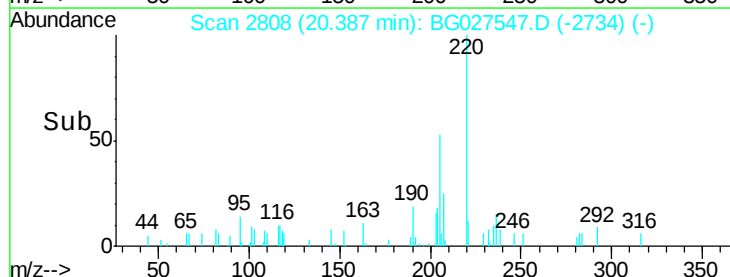
100 8.2 6.6 10.0

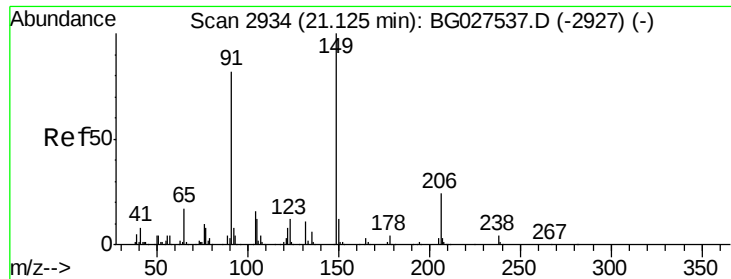


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

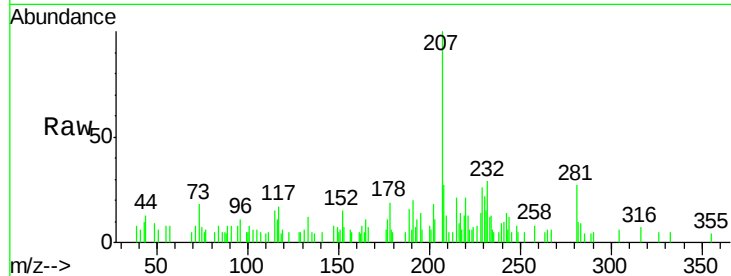




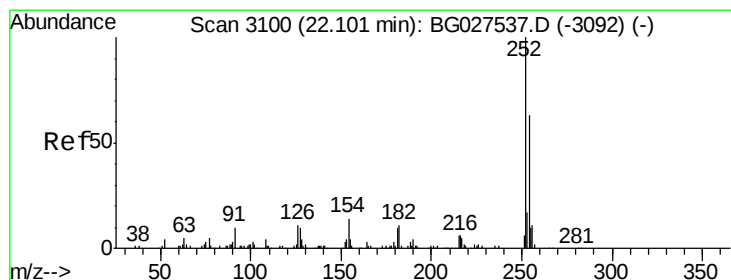
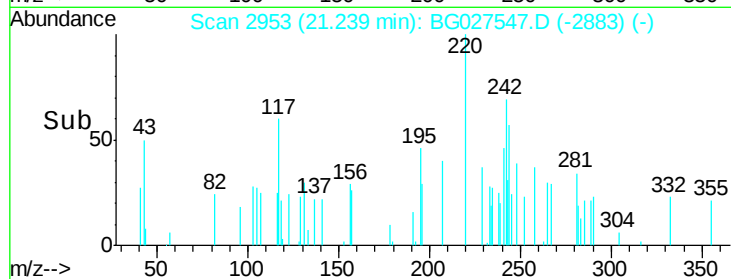
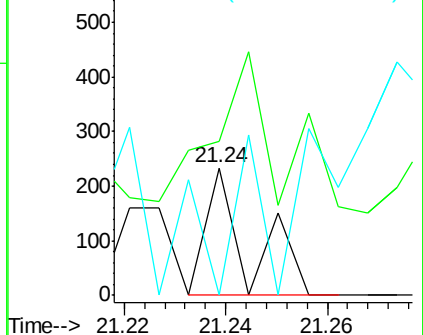
#78
Butylbenzylphthalate
Concen: 7.41 ng/ul
RT: 21.24 min Scan# 2953
Delta R.T. 0.11 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Instrument :
BNA_G
ClientSampled :
F5E24

Tgt Ion:149 Resp: 135
Ion Ratio Lower Upper
149 100
91 121.0 65.8 98.6#
206 0.0 20.1 30.1#

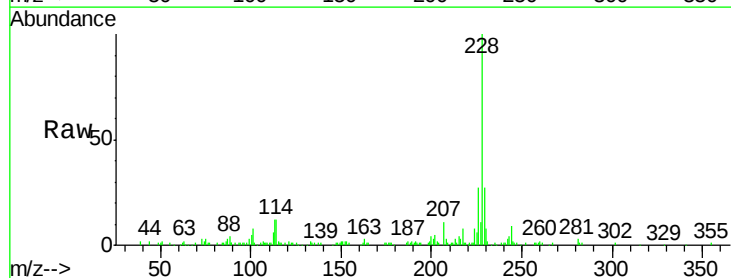


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

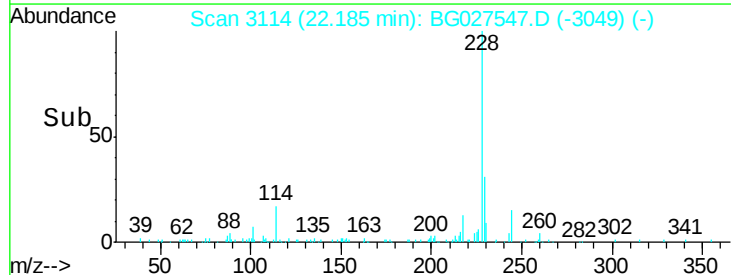
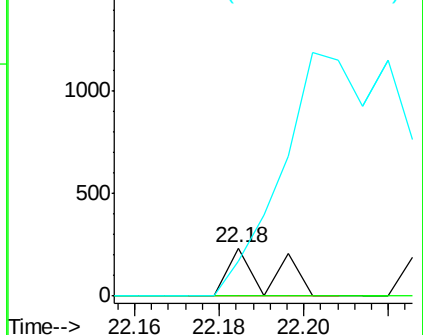


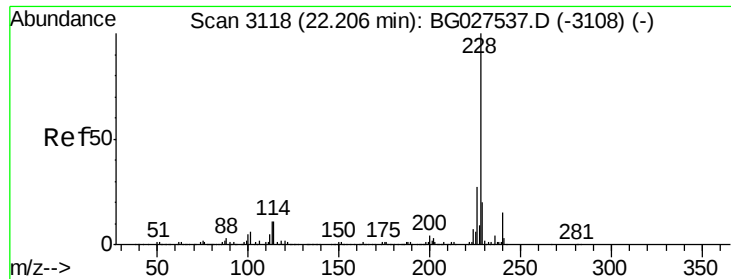
#79
3,3'-Dichlorobenzidine
Concen: 10.43 ng/ul
RT: 22.18 min Scan# 3114
Delta R.T. 0.08 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Tgt Ion:252 Resp: 157
Ion Ratio Lower Upper
252 100
254 0.0 49.0 73.6#
126 72.5 5.1 7.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 5789.08 ng/ul

RT: 22.28 min Scan# 3130

Delta R.T. 0.07 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampleId :

F5E24

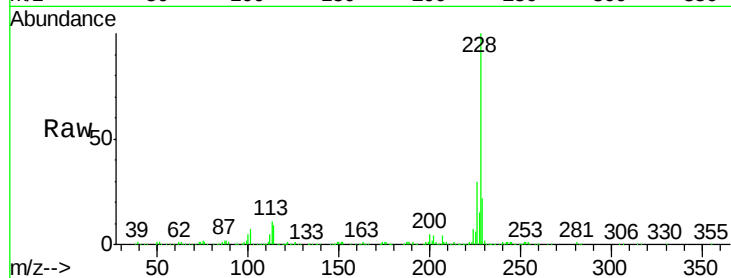
Tgt Ion:228 Resp: 263708

Ion Ratio Lower Upper

228 100

229 21.7 16.3 24.5

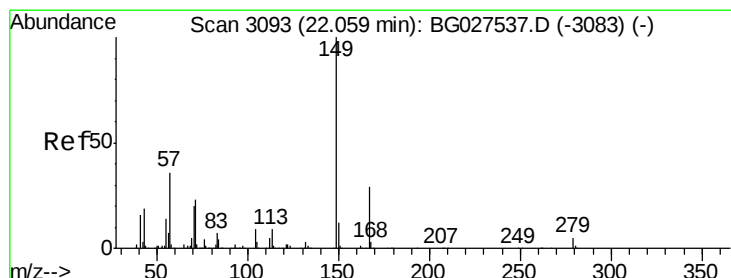
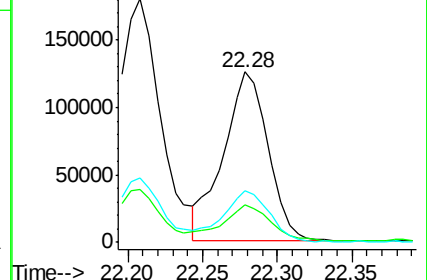
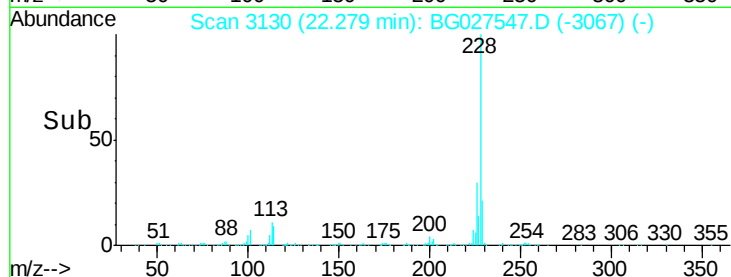
226 30.4 21.9 32.9



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 4.51 ng/ul

RT: 22.16 min Scan# 3109

Delta R.T. 0.10 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

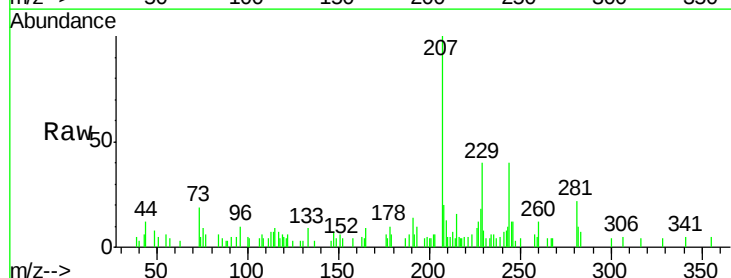
Tgt Ion:149 Resp: 118

Ion Ratio Lower Upper

149 100

167 0.0 21.8 32.8#

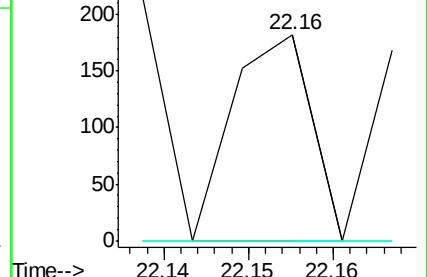
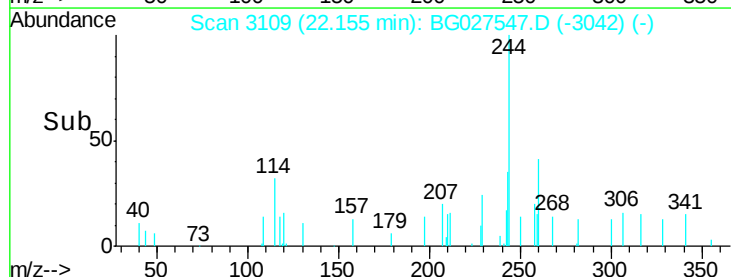
279 0.0 4.5 6.7#

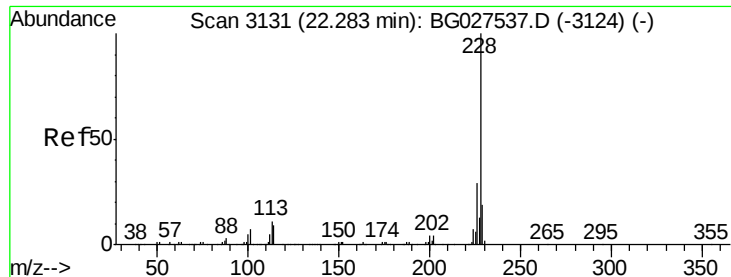


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 6392.33 ng/ul

RT: 22.28 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampleId :

F5E24

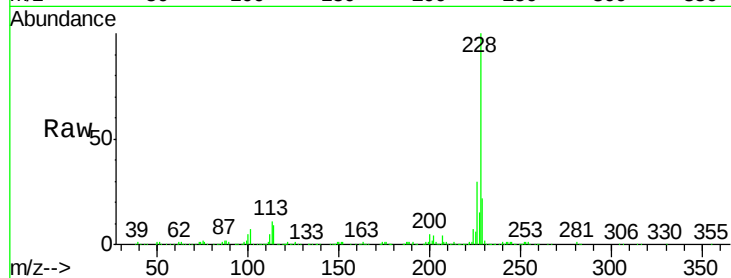
Tgt Ion:228 Resp: 262983

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

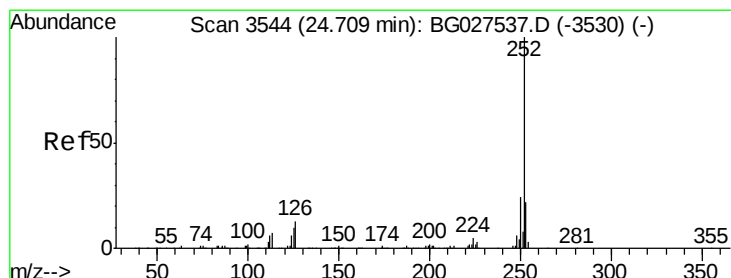
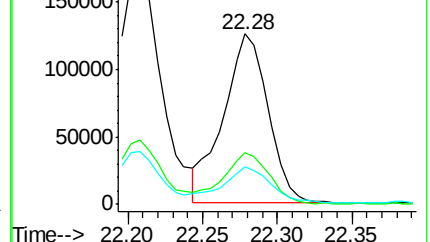
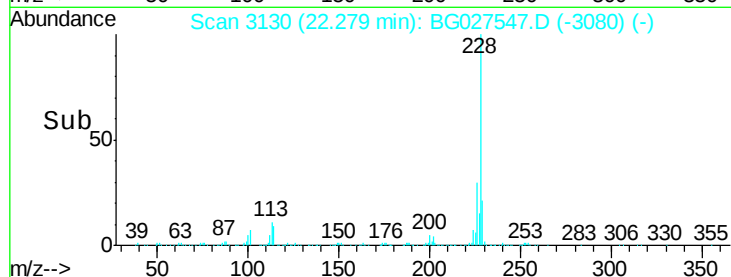
229 21.7 16.9 25.3



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: 13.57 ng/ul

RT: 24.71 min Scan# 3543

Delta R.T. -0.00 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

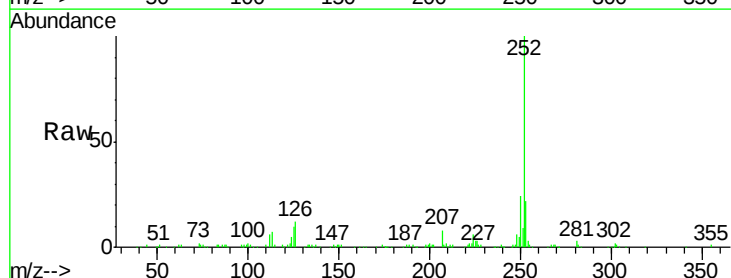
Tgt Ion:252 Resp: 210302

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

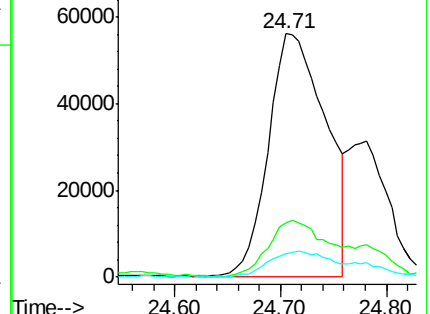
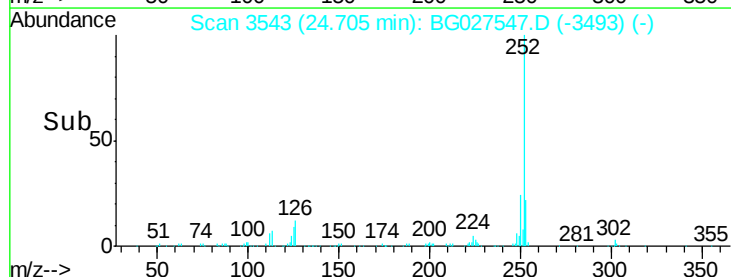
125 9.7 4.0 6.0#

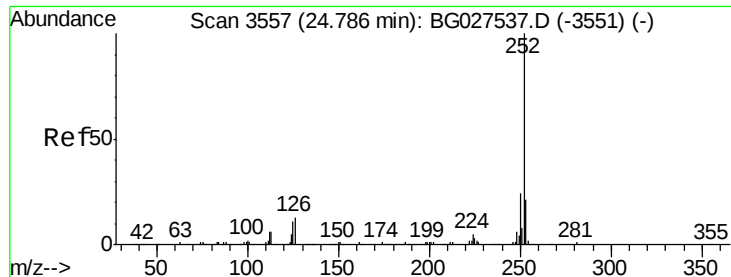


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

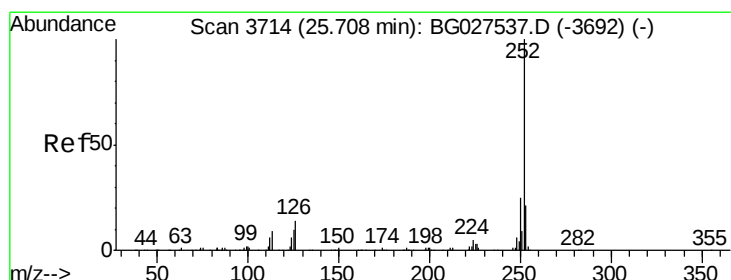
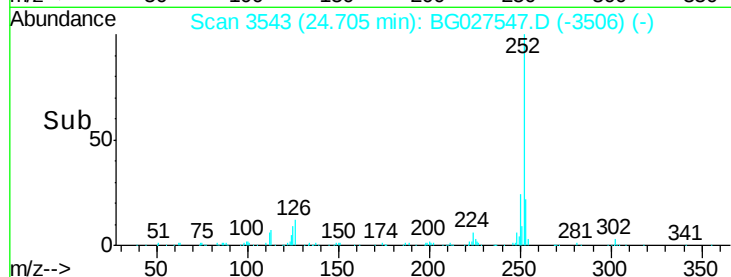
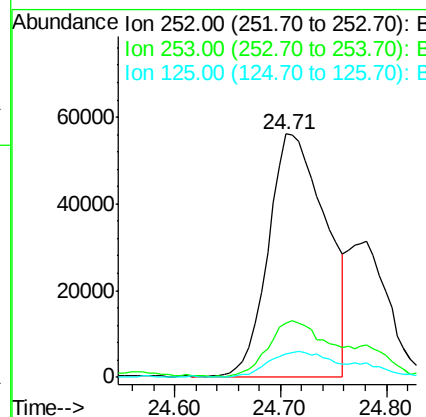
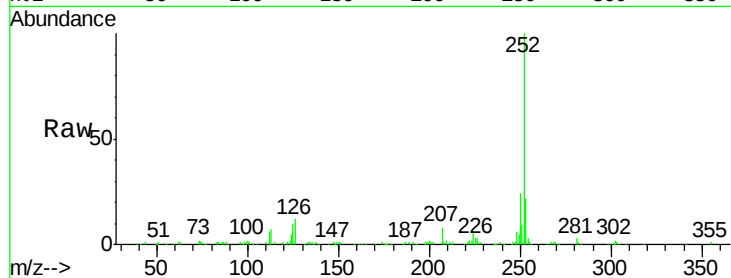




#86
Benzo(k)fluoranthene
Concen: 14.12 ng/u1
RT: 24.71 min Scan# 3543
Delta R.T. -0.08 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

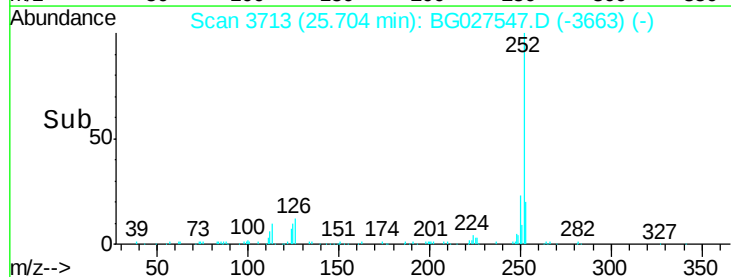
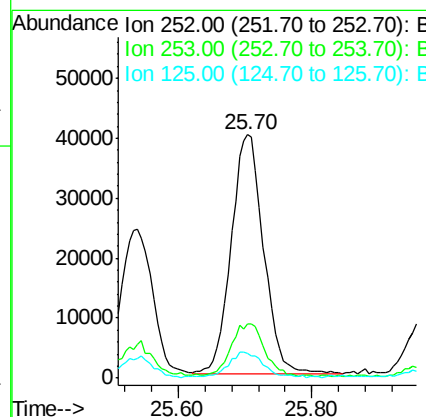
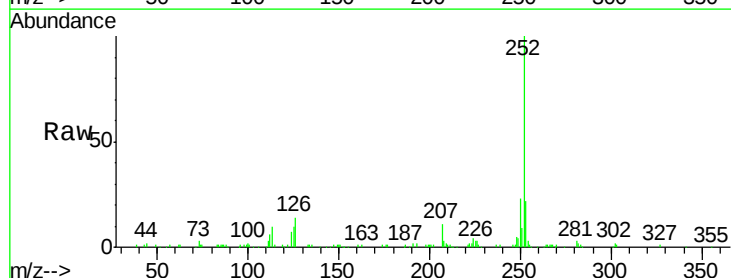
Instrument :
BNA_G
ClientSampleId :
F5E24

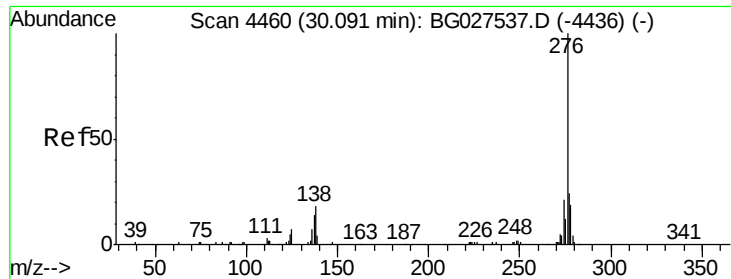
Tgt Ion:252 Resp: 210302
Ion Ratio Lower Upper
252 100
253 22.4 18.5 27.7
125 9.7 4.1 6.1#



#88
Benzo(a)pyrene
Concen: 9.09 ng/u1
RT: 25.70 min Scan# 3713
Delta R.T. -0.00 min
Lab File: BG027547.D
Acq: 20 Jun 2017 2:56

Tgt Ion:252 Resp: 135300
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 10.3 5.4 8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.85 ng/ul

RT: 30.07 min Scan# 4456

Delta R.T. -0.02 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

Instrument :

BNA_G

ClientSampled :

F5E24

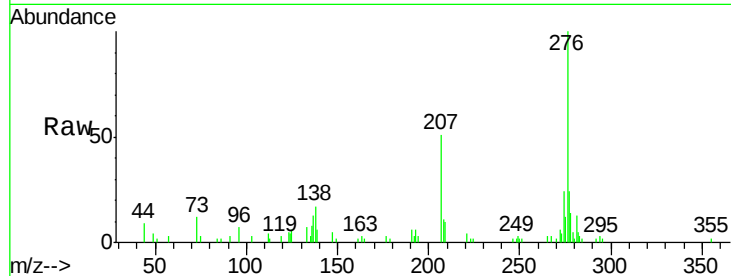
Tgt Ion:276 Resp: 48373

Ion Ratio Lower Upper

276 100

138 22.6 8.2 12.4#

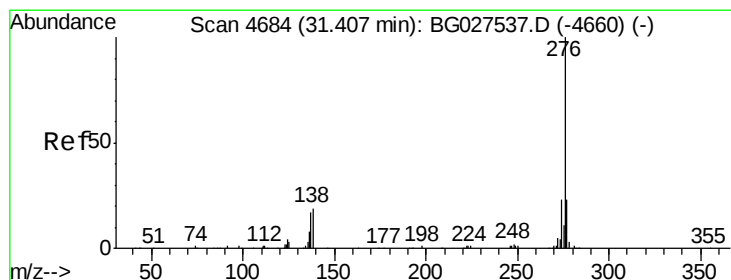
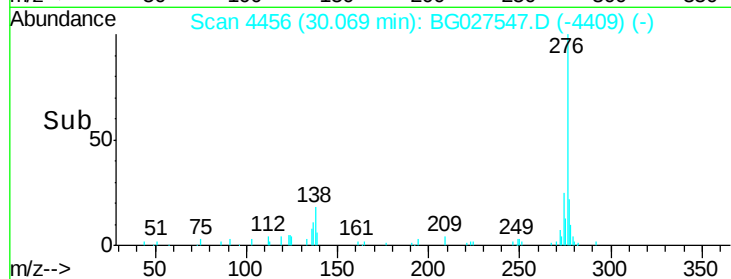
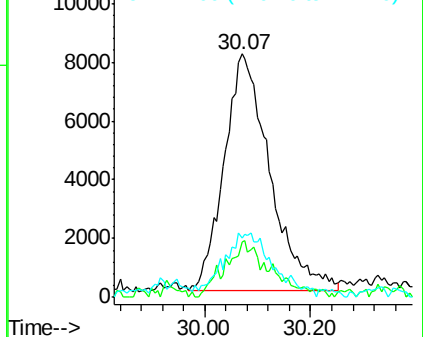
277 24.1 18.6 28.0



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



#91

Benzo(g,h,i)perylene

Concen: 2.20 ng/ul

RT: 31.40 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BG027547.D

Acq: 20 Jun 2017 2:56

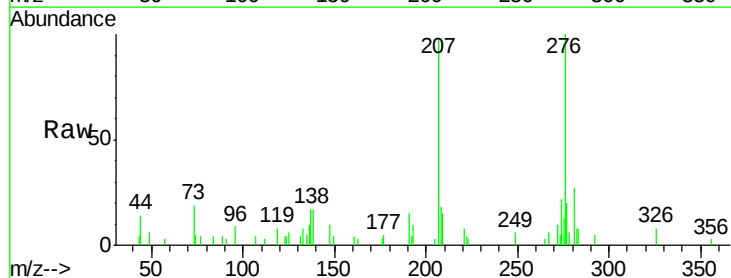
Tgt Ion:276 Resp: 30540

Ion Ratio Lower Upper

276 100

138 16.5 8.6 12.8#

277 19.9 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

