

Data File : BG027513.D
Acq On : 17 Jun 2017 19:10
Operator : SJ/MA
Sample : I3599-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5D37

Quant Time: Jun 19 01:53:30 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	92006	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	492519	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	316259	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	691064	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	783705	20.00	ng/ul	0.00
83) Perylene-d12	25.92	264	756540	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.07	96	3361	1.46	ng/uL	0.00
5) Phenol-d5	7.65	99	126901	12.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	91576	13.47	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	85909	13.03	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	108530	13.91	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	48818	13.65	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	48550	12.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	93552	13.03	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	125626	13.82	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	349592	13.20	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	413609	13.56	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	10743	2.07	ng/ul	0.00
57) Fluorene-d10	16.09	176	314202	12.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	10528	2.45	ng/ul	0.00
70) Anthracene-d10	17.95	188	475486	14.76	ng/ul	0.00
76) Pyrene-d10	20.22	212	546035	14.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.66	264	511485	15.01	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	7.68	94	11182	1.07	ng/ul	92
28) Naphthalene	11.39	128	54937	2.17	ng/ul	98
44) Dimethylphthalate	14.53	163	99860	3.80	ng/ul	97
47) Acenaphthylene	14.84	152	32888	1.08	ng/ul	97
69) Phenanthrene	17.90	178	143542	3.87	ng/ul	97
71) Anthracene	17.99	178	89186	2.36	ng/ul	95
72) Carbazole	18.25	167	45047	1.39	ng/ul	99
74) Fluoranthene	19.89	202	1257591	30.10	ng/ul#	86
77) Pyrene	20.26	202	1540685	33.26	ng/ul#	81
80) Benzo(a)anthracene	22.21	228	965148	22.11	ng/ul	96
82) Chrysene	22.29	228	1180505	29.95	ng/ul	95
85) Benzo(b)fluoranthene	24.75	252	2476764	54.97	ng/ul#	93
86) Benzo(k)fluoranthene	24.75	252	2476764	57.19	ng/ul#	95
88) Benzo(a)pyrene	25.74	252	1057686	24.45	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	30.12	276	733575	14.85	ng/ul#	88
90) Dibenzo(a,h)anthracene	30.16	278	212422	5.01	ng/ul#	91
91) Benzo(g,h,i)perylene	31.44	276	430412	10.64	ng/ul#	89

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

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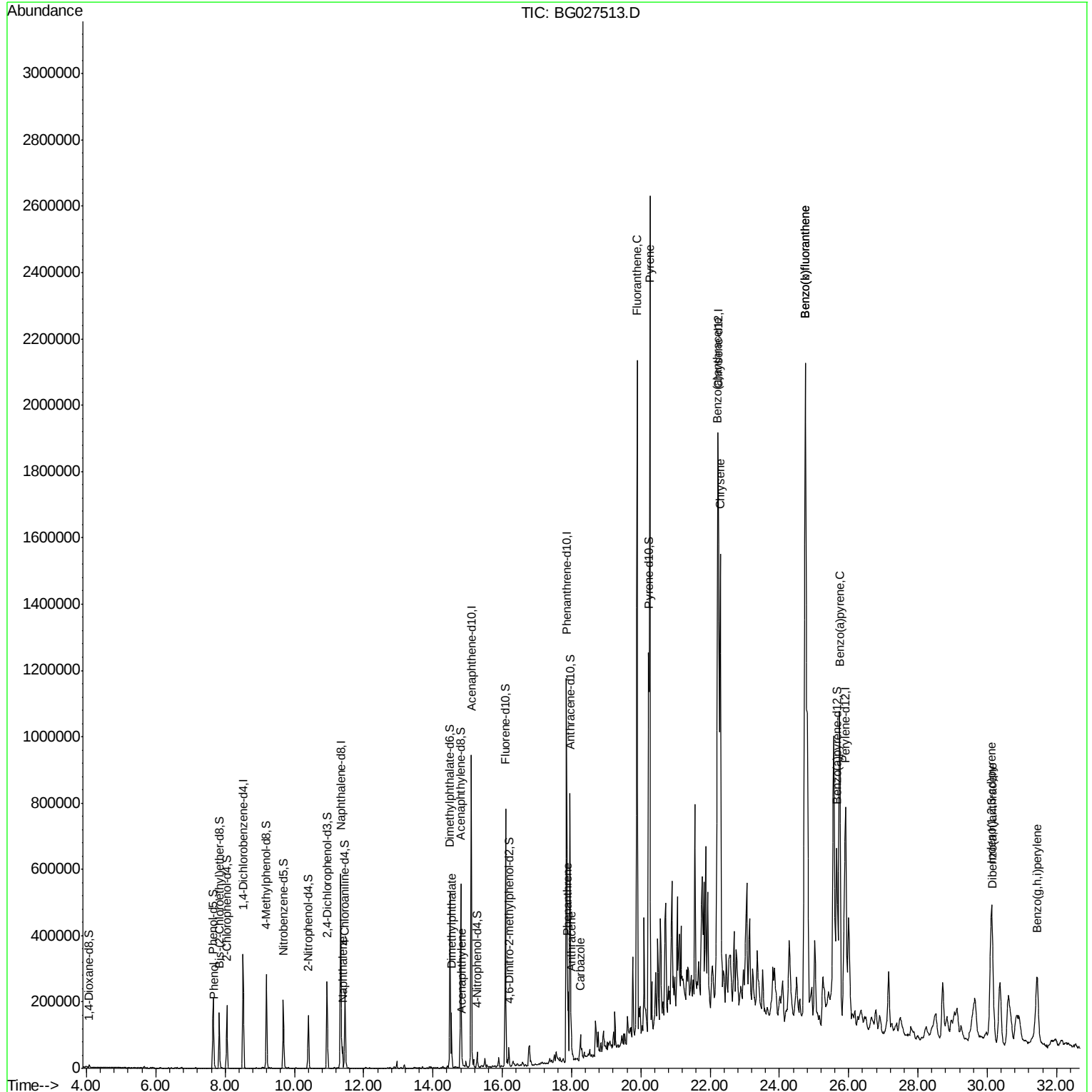
Quant Time: Jun 19 01:53:30 2017

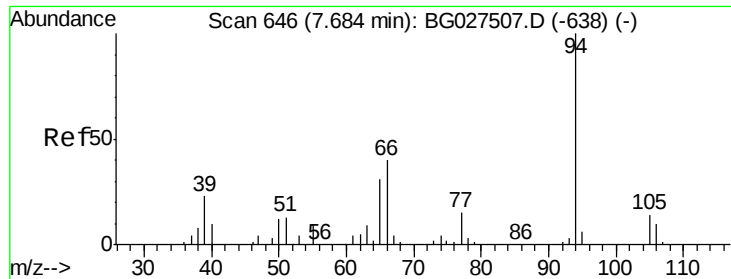
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#6

Phenol

Concen: 1.07 ng/ul

RT: 7.68 min Scan# 645

Delta R.T. -0.01 min

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Acq: 17 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

F5D37

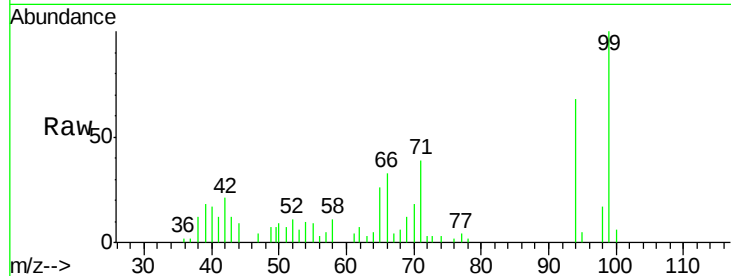
Tgt Ion: 94 Resp: 11182

Ion Ratio Lower Upper

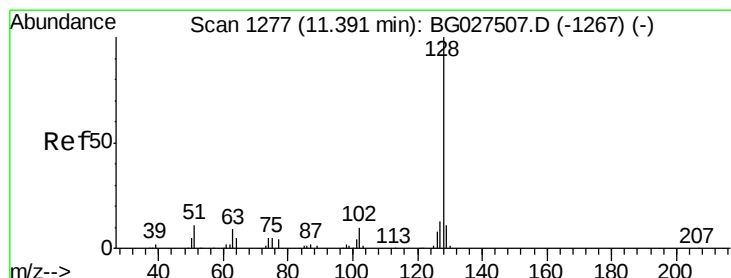
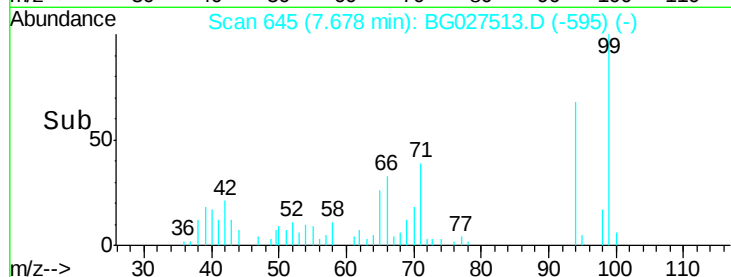
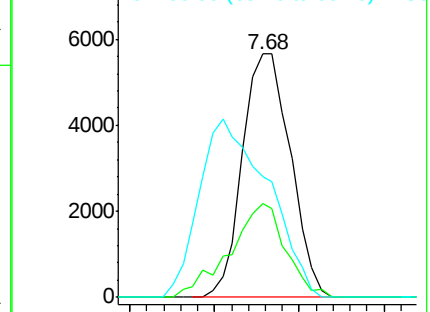
94 100

65 38.5 26.8 40.2

66 49.6 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 2.17 ng/ul

RT: 11.39 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

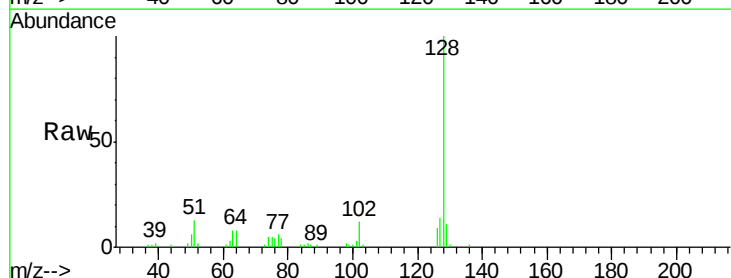
Tgt Ion: 128 Resp: 54937

Ion Ratio Lower Upper

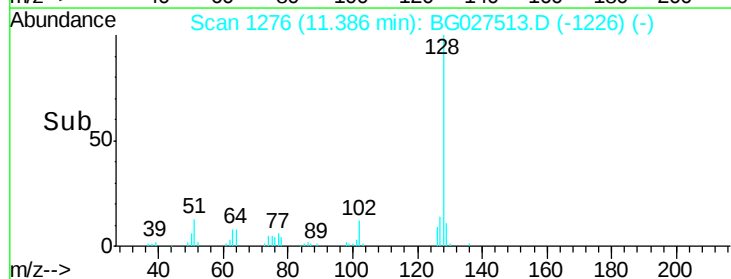
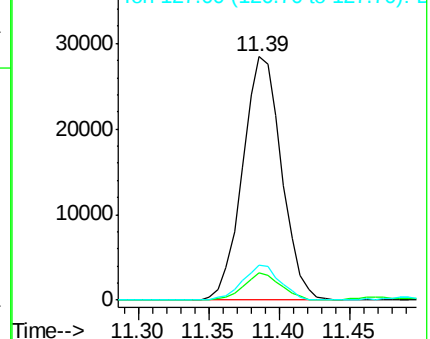
128 100

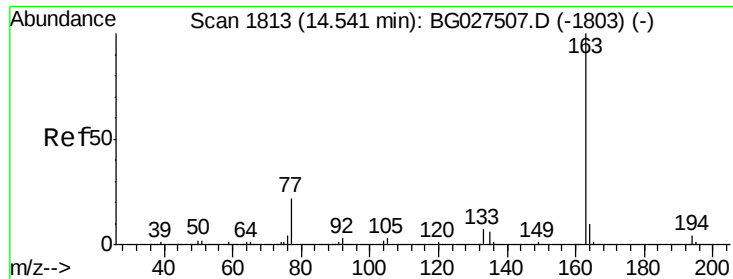
129 11.3 9.4 14.2

127 14.1 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

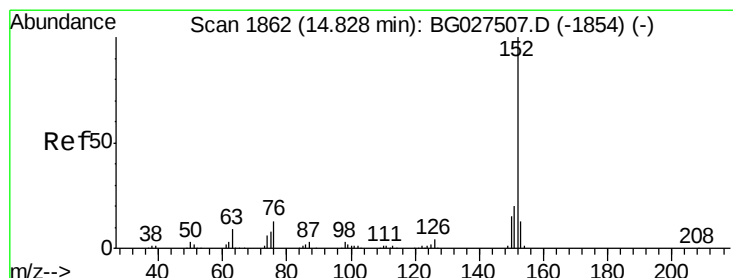
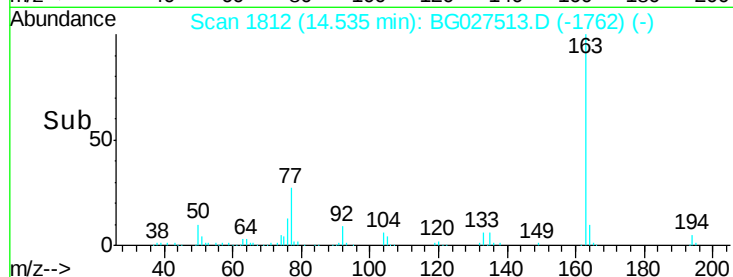
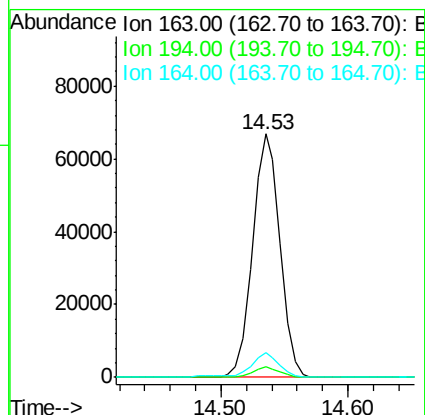
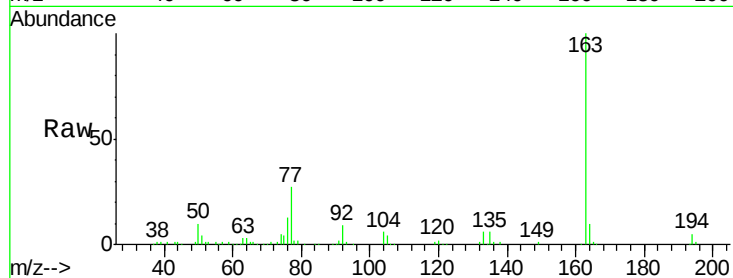




#44
Dimethylphthalate
Concen: 3.80 ng/ul
RT: 14.53 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

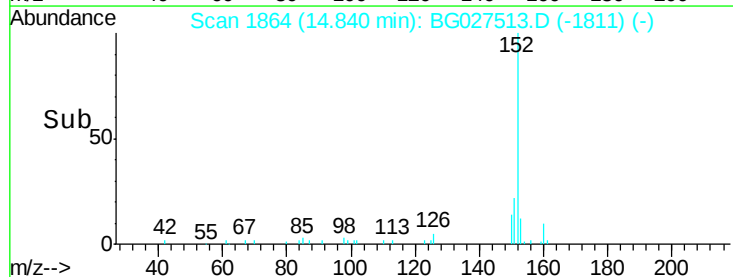
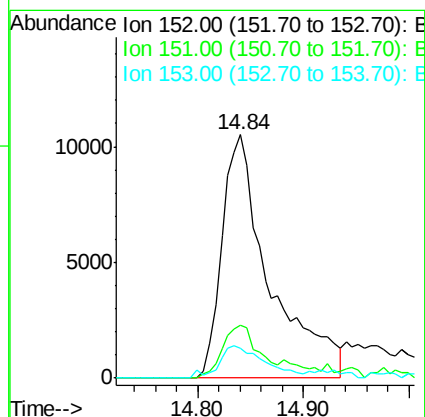
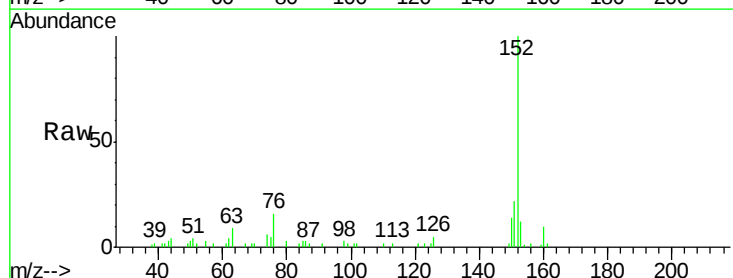
Instrument :
BNA_G
ClientSampleId :
F5D37

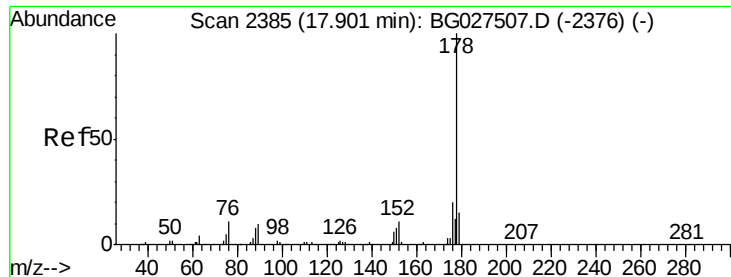
Tgt Ion:163 Resp: 99860
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 10.0 9.0 13.4



#47
Acenaphthylene
Concen: 1.08 ng/ul
RT: 14.84 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BG027513.D
Acq: 17 Jun 2017 19:10

Tgt Ion:152 Resp: 32888
Ion Ratio Lower Upper
152 100
151 21.8 16.7 25.1
153 12.3 11.4 17.2





#69

Phenanthrene

Concen: 3.87 ng/ul

RT: 17.90 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

F5D37

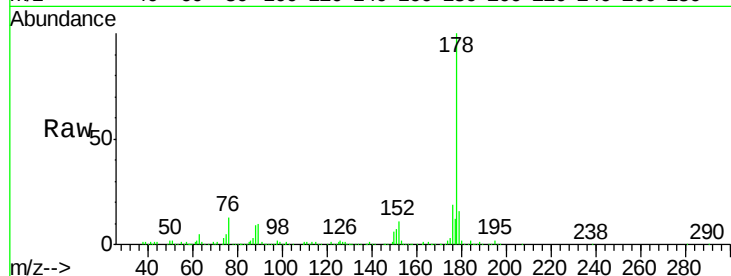
Tgt Ion:178 Resp: 143542

Ion Ratio Lower Upper

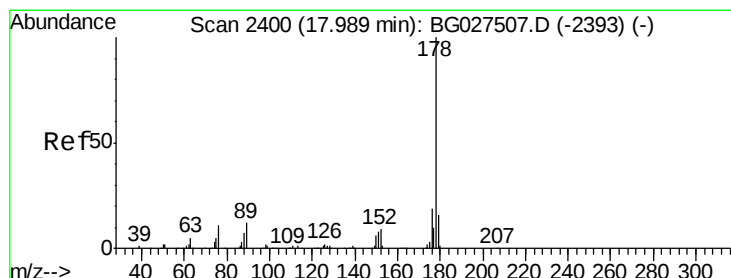
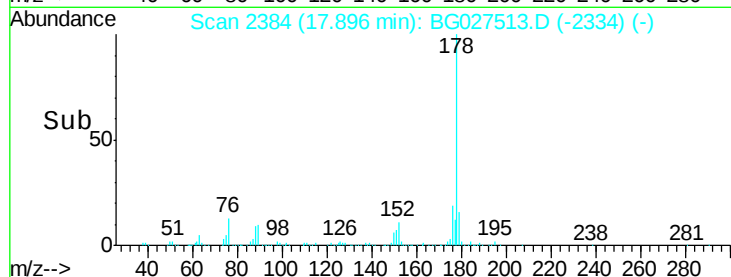
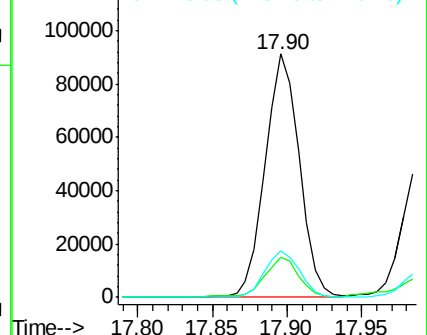
178 100

179 16.5 12.4 18.6

176 19.0 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: 2.36 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

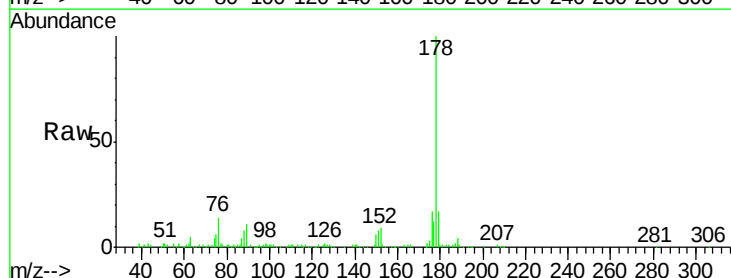
Tgt Ion:178 Resp: 89186

Ion Ratio Lower Upper

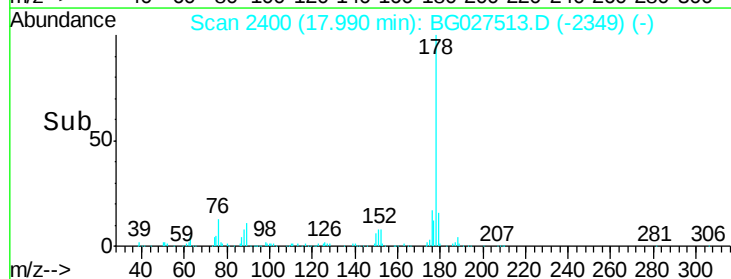
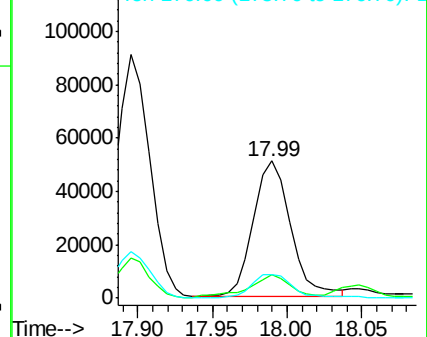
178 100

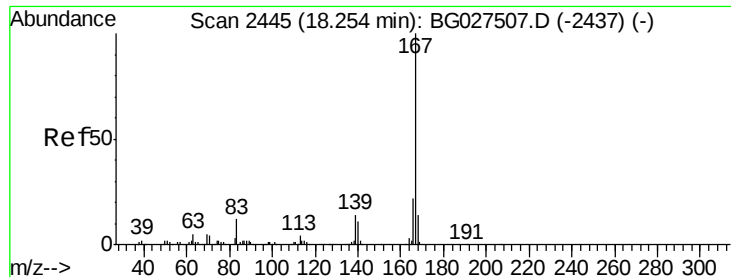
179 16.7 12.6 19.0

176 16.7 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: 1.39 ng/ul

RT: 18.25 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

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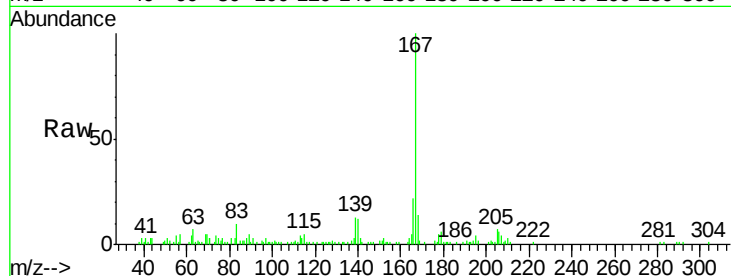
Tgt Ion:167 Resp: 45047

Ion Ratio Lower Upper

167 100

166 21.9 17.9 26.9

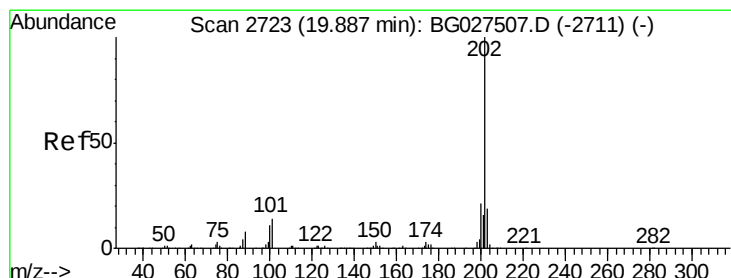
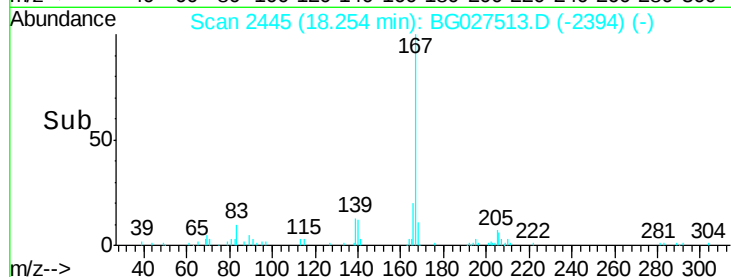
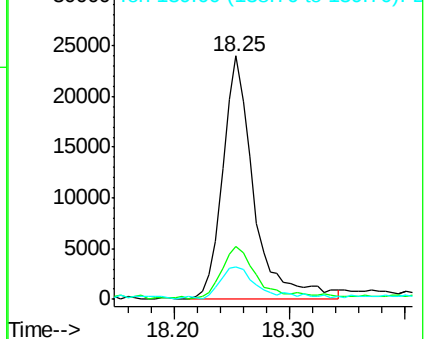
139 13.4 10.5 15.7



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: 30.10 ng/ul

RT: 19.89 min Scan# 2724

Delta R.T. 0.01 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

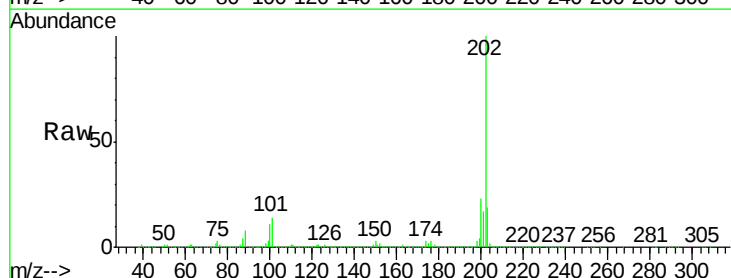
Tgt Ion:202 Resp: 1257591

Ion Ratio Lower Upper

202 100

101 13.6 6.2 9.2#

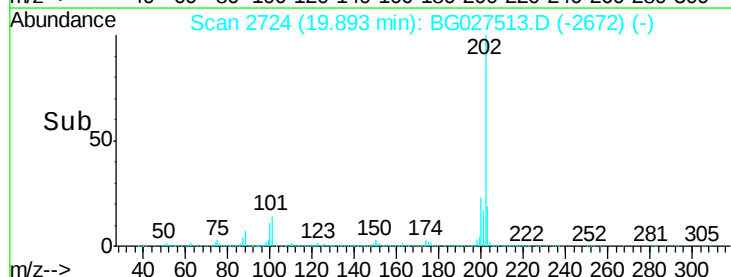
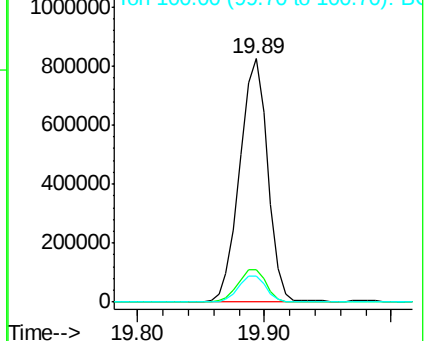
100 10.5 5.2 7.8#

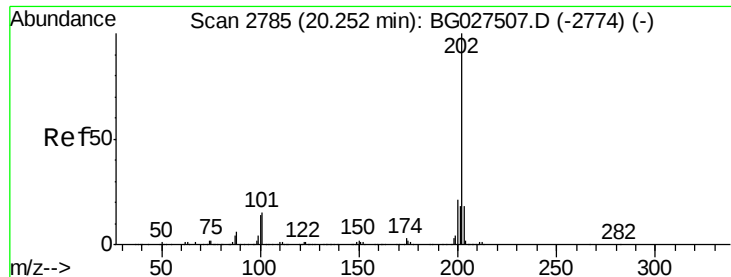


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 33.26 ng/ul

RT: 20.26 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

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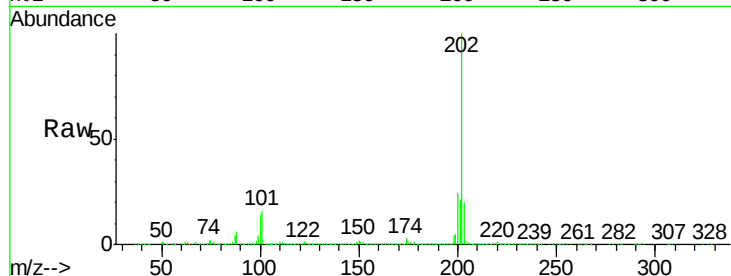
Tgt Ion:202 Resp: 1540685

Ion Ratio Lower Upper

202 100

101 16.3 6.9 10.3#

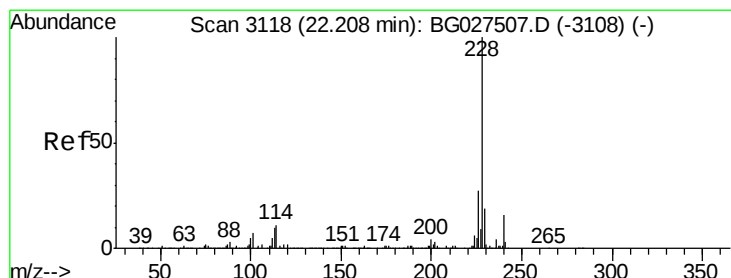
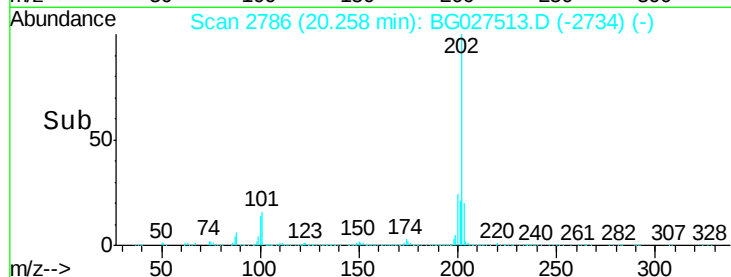
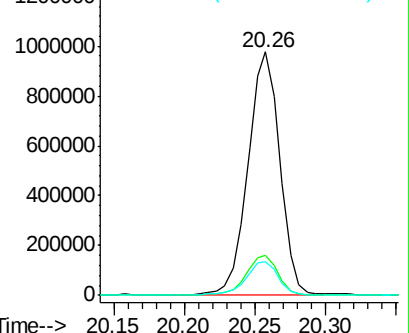
100 14.0 6.6 10.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 22.11 ng/ul

RT: 22.21 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

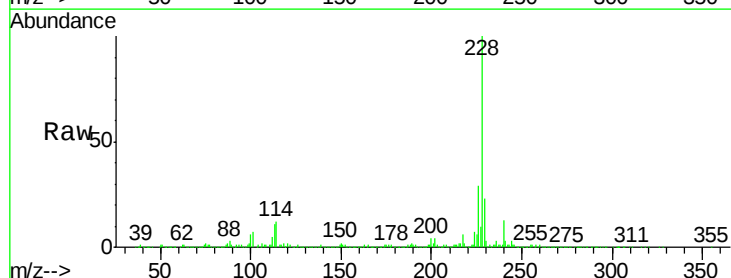
Tgt Ion:228 Resp: 965148

Ion Ratio Lower Upper

228 100

229 22.9 16.3 24.5

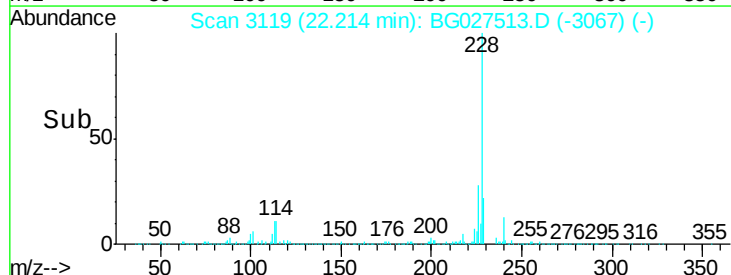
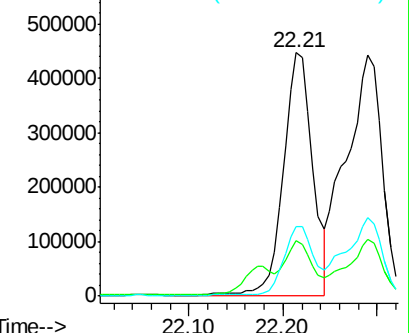
226 28.6 21.9 32.9

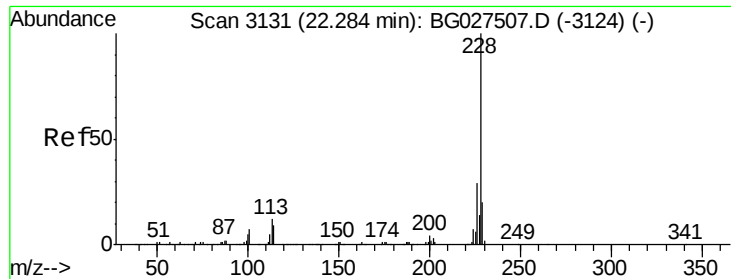


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 29.95 ng/ul

RT: 22.29 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BG027513.D

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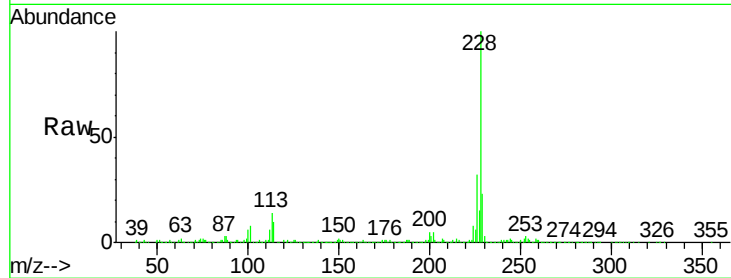
Tgt Ion:228 Resp: 1180505

Ion Ratio Lower Upper

228 100

226 32.5 24.0 36.0

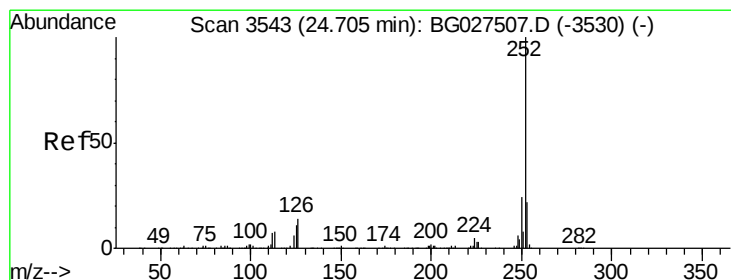
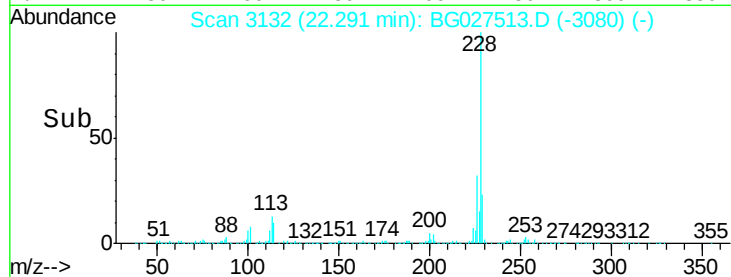
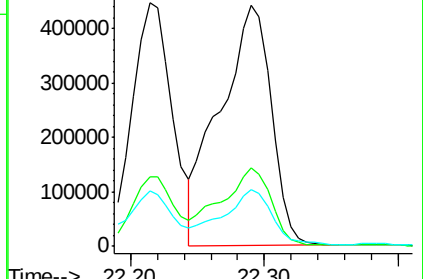
229 23.3 16.9 25.3



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: 54.97 ng/ul

RT: 24.75 min Scan# 3550

Delta R.T. 0.04 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

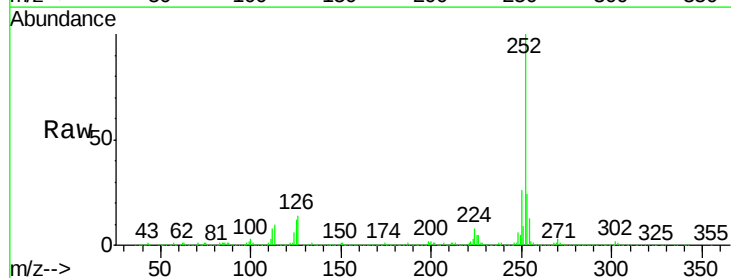
Tgt Ion:252 Resp: 2476764

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

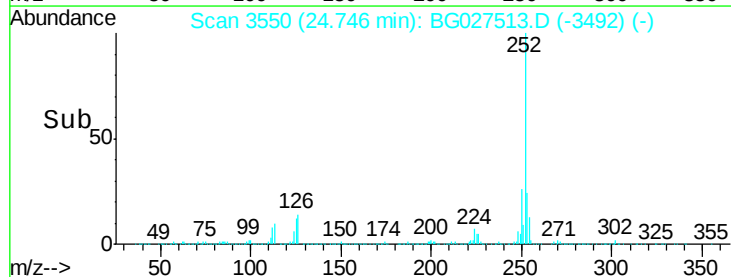
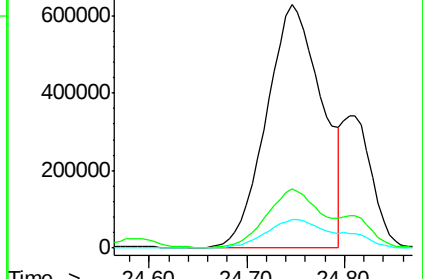
125 11.7 4.0 6.0#

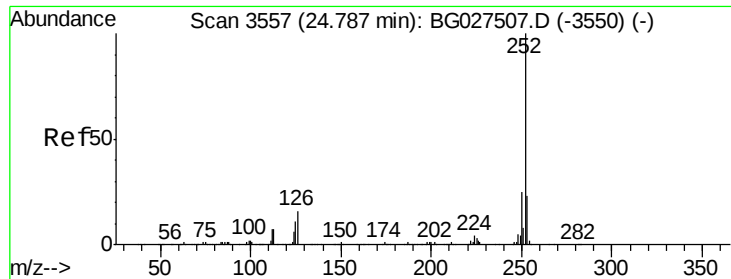


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 57.19 ng/ul

RT: 24.75 min Scan# 3550

Delta R.T. -0.04 min

Lab File: BG027513.D

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ClientSampleId :

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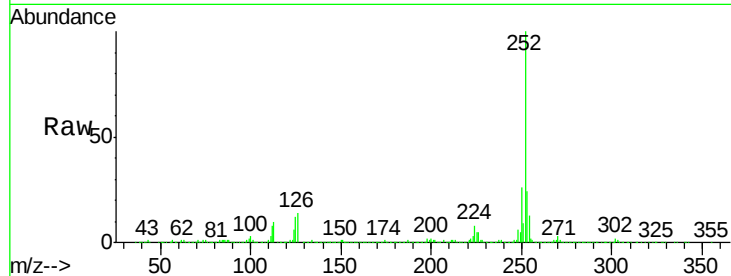
Tgt Ion:252 Resp: 2476764

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

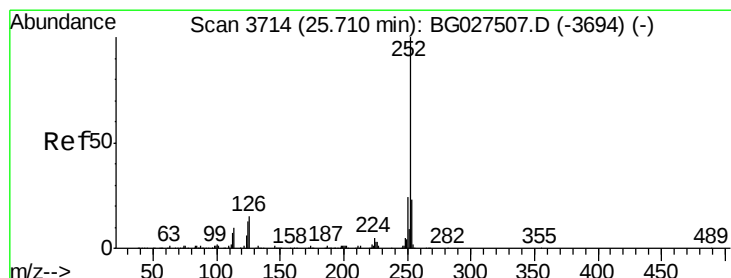
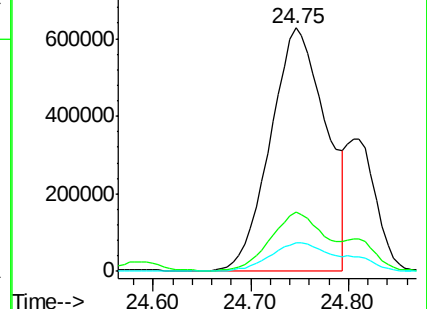
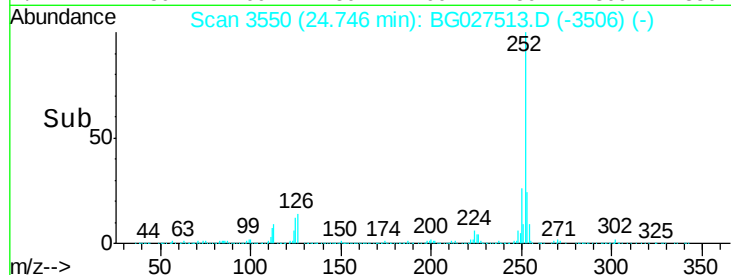
125 11.7 4.1 6.1#



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



#88

Benzo(a)pyrene

Concen: 24.45 ng/ul

RT: 25.74 min Scan# 3719

Delta R.T. 0.03 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

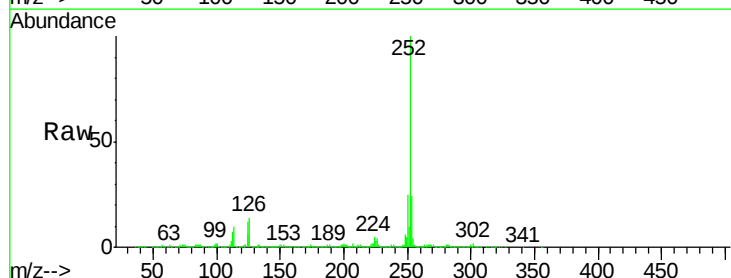
Tgt Ion:252 Resp: 1057686

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

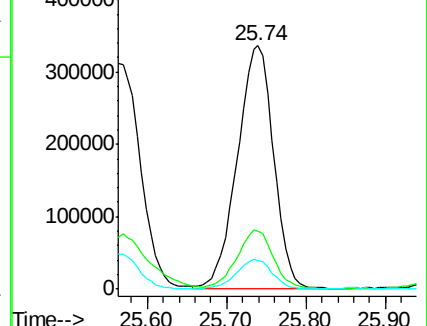
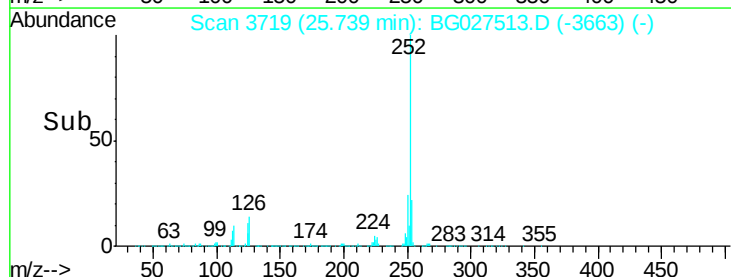
125 11.7 5.4 8.0#

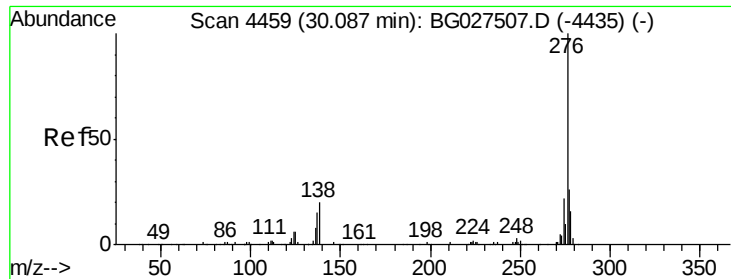


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 14.85 ng/ul

RT: 30.12 min Scan# 4464

Delta R.T. 0.03 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

F5D37

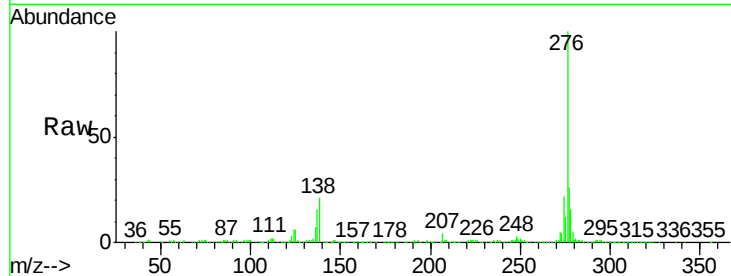
Tgt Ion:276 Resp: 733575

Ion Ratio Lower Upper

276 100

138 21.1 8.2 12.4#

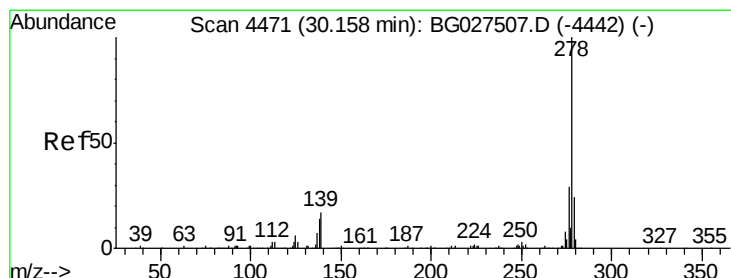
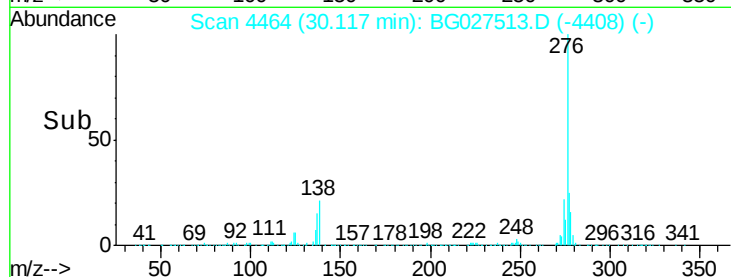
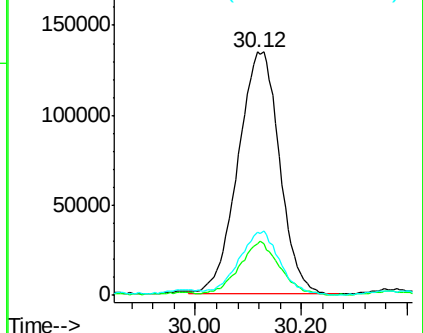
277 25.7 18.6 28.0



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: 5.01 ng/ul

RT: 30.16 min Scan# 4471

Delta R.T. 0.00 min

Lab File: BG027513.D

Acq: 17 Jun 2017 19:10

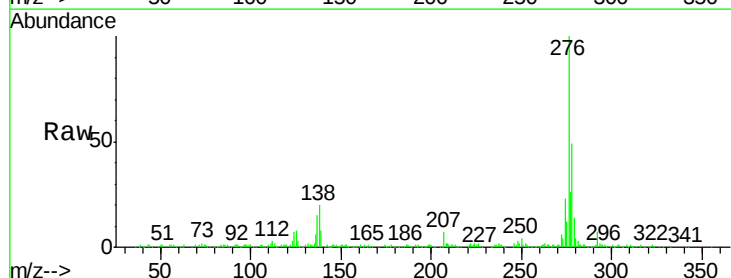
Tgt Ion:278 Resp: 212422

Ion Ratio Lower Upper

278 100

139 16.2 6.7 10.1#

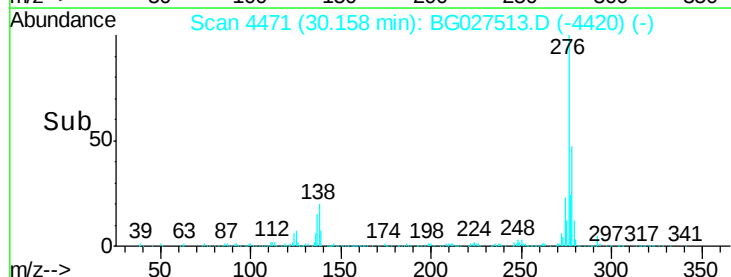
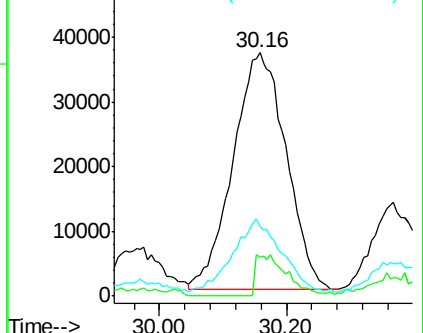
279 28.4 20.9 31.3

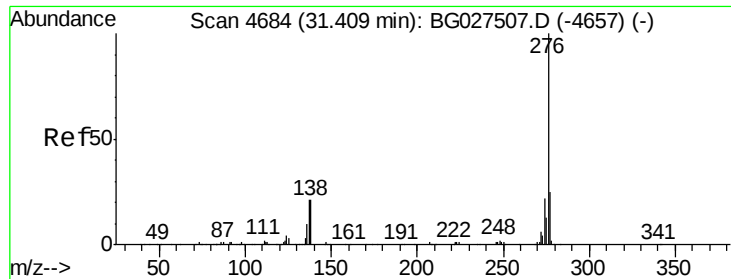


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.64 ng/ul

RT: 31.44 min Scan# 4689

Delta R.T. 0.03 min

Lab File: BG027513.D

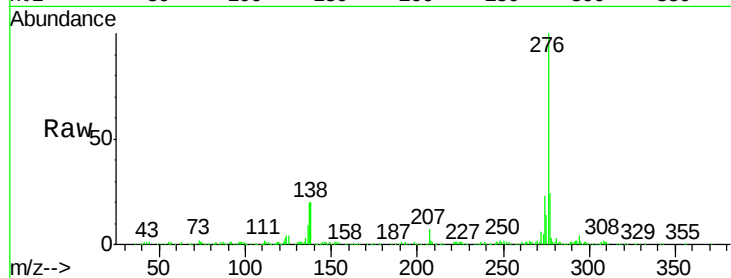
Acq: 17 Jun 2017 19:10

Instrument :

BNA_G

ClientSampleId :

F5D37



Tgt Ion:	276	Resp:	430412
Ion	Ratio	Lower	Upper
276	100		
138	19.9	8.6	12.8#
277	24.1	17.6	26.4

