

Data File : BG027514.D
Acq On : 17 Jun 2017 19:49
Operator : SJ/MA
Sample : I3599-15
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5C91

Quant Time: Jun 19 01:53:46 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	41939	20.00	ng/ul	0.00
18) Naphthalene-d8	11.33	136	217655	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	139316	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	314463	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	339109	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	328320	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.08	96	2026	1.93	ng/uL	0.00
5) Phenol-d5	7.66	99	58017	12.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	40869	13.18	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	39997	13.31	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	49504	13.92	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	20962	13.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.41	143	23479	13.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	44941	14.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	48163	11.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	168083	14.41	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	196636	14.64	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	24189	10.60	ng/ul	0.00
57) Fluorene-d10	16.09	176	154148	14.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	24008	12.29	ng/ul	0.00
70) Anthracene-d10	17.96	188	239103	16.31	ng/ul	0.00
76) Pyrene-d10	20.22	212	265443	16.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	241055	16.31	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.39	128	16503	1.48	ng/ul#	93
44) Dimethylphthalate	14.54	163	68909	5.96	ng/ul#	96
47) Acenaphthylene	14.84	152	15372	1.14	ng/ul#	89
69) Phenanthrene	17.90	178	47139	2.79	ng/ul	99
71) Anthracene	17.99	178	23763	1.38	ng/ul	98
74) Fluoranthene	19.89	202	200414	10.54	ng/ul#	87
77) Pyrene	20.25	202	205329	10.24	ng/ul#	84
80) Benzo(a)anthracene	22.21	228	127778	6.77	ng/ul	94
82) Chrysene	22.29	228	173213	10.16	ng/ul	96
85) Benzo(b)fluoranthene	24.72	252	466888	23.88	ng/ul#	94
86) Benzo(k)fluoranthene	24.72	252	466888	24.84	ng/ul#	96
88) Benzo(a)pyrene	25.71	252	210423	11.21	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	30.09	276	227355	10.61	ng/ul#	86
90) Dibenzo(a,h)anthracene	30.13	278	33686	1.83	ng/ul#	91
91) Benzo(g,h,i)perylene	31.40	276	136864	7.80	ng/ul#	91

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

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Instrument :

BNA_G

ClientSampled :

F5C91

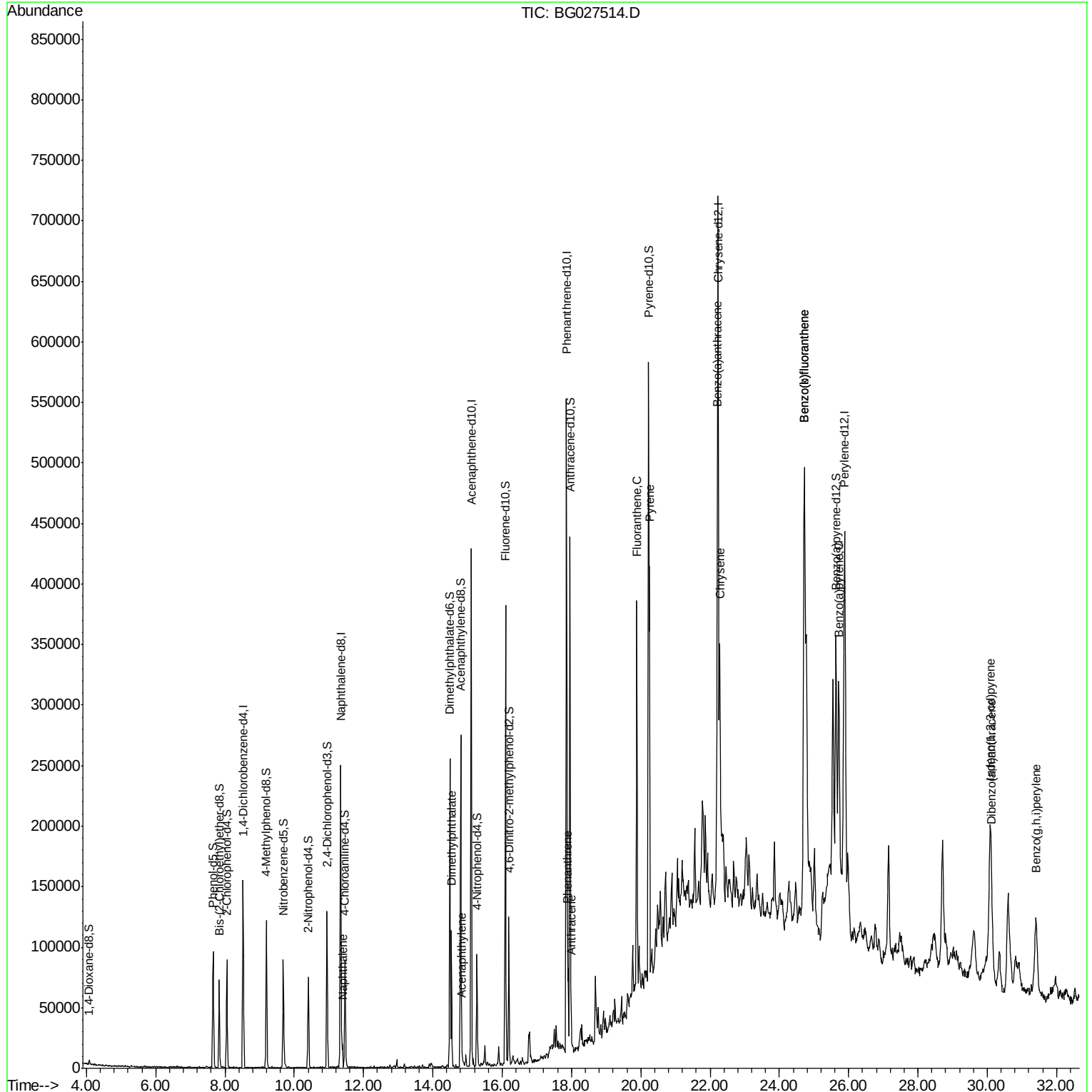
Quant Time: Jun 19 01:53:46 2017

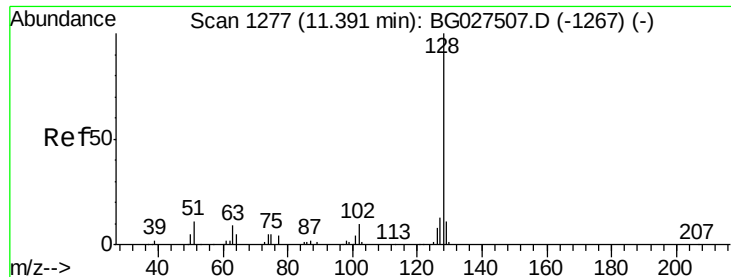
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration

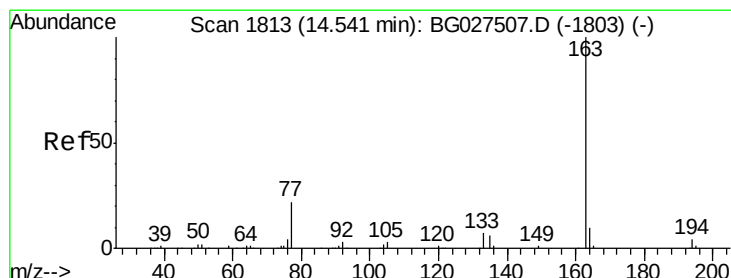
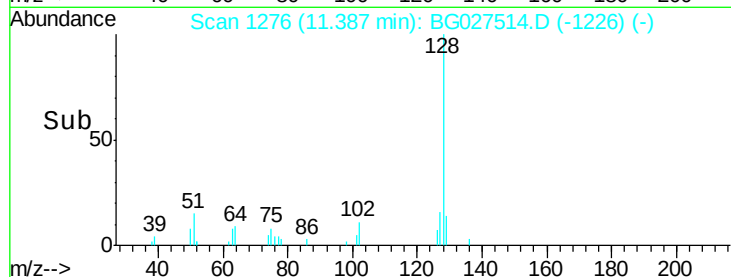
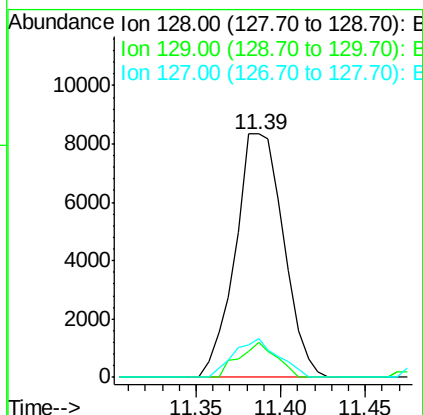
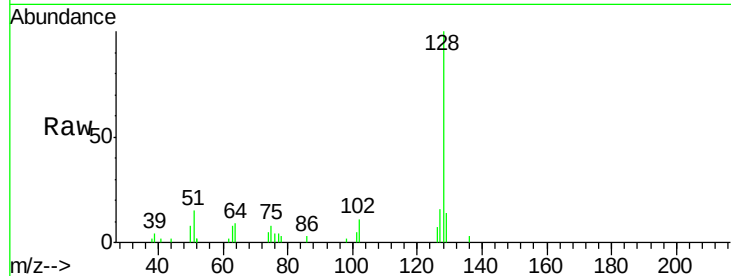




#28
Naphthalene
Concen: 1.48 ng/ul
RT: 11.39 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG027514.D
Acq: 17 Jun 2017 19:49

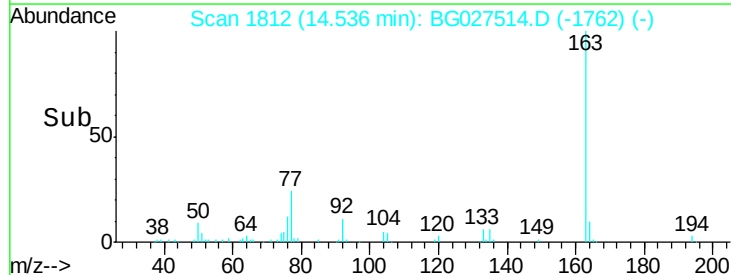
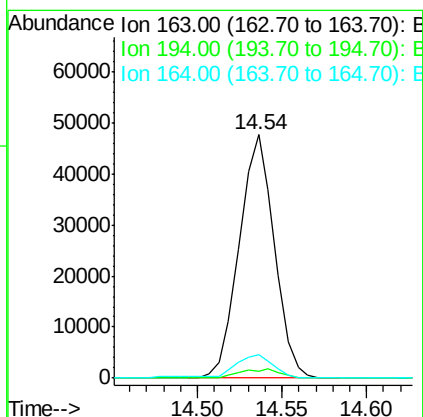
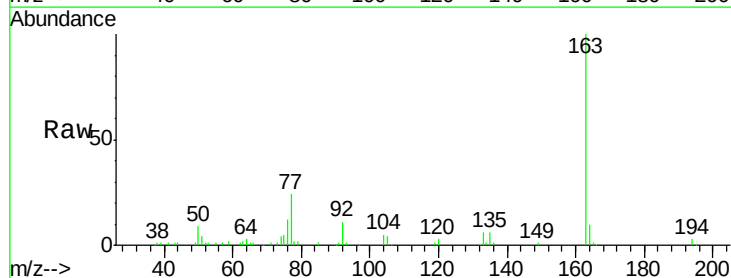
Instrument :
BNA_G
ClientSampled :
F5C91

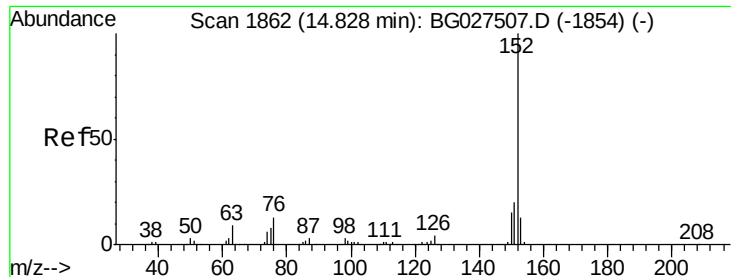
Tgt Ion:128 Resp: 16503
Ion Ratio Lower Upper
128 100
129 14.4 9.4 14.2#
127 16.0 10.3 15.5#



#44
Dimethylphthalate
Concen: 5.96 ng/ul
RT: 14.54 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG027514.D
Acq: 17 Jun 2017 19:49

Tgt Ion:163 Resp: 68909
Ion Ratio Lower Upper
163 100
194 2.9 3.4 5.0#
164 9.7 9.0 13.4





#47

Acenaphthylene

Concen: 1.14 ng/ul

RT: 14.84 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

Instrument :

BNA_G

ClientSampleId :

F5C91

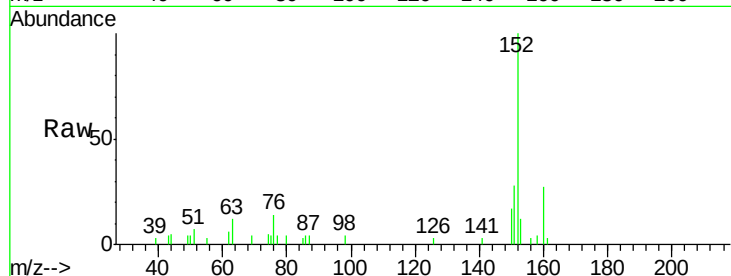
Tgt Ion:152 Resp: 15372

Ion Ratio Lower Upper

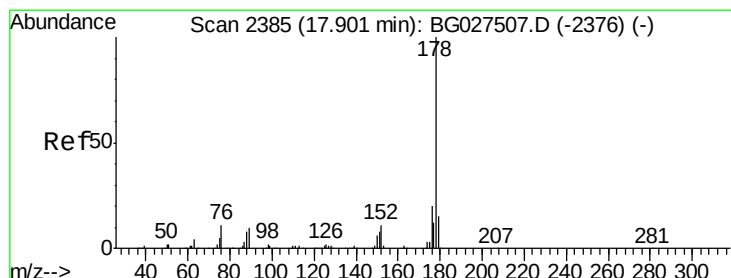
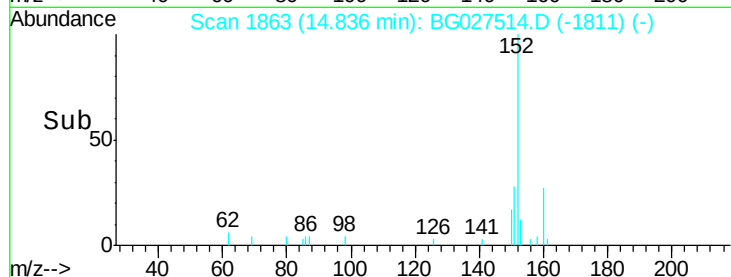
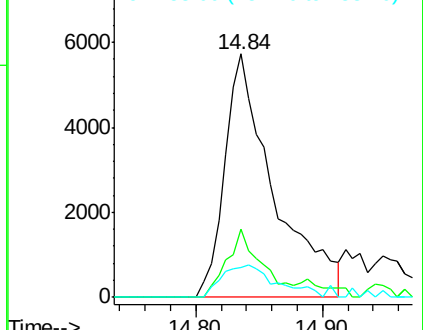
152 100

151 28.0 16.7 25.1#

153 12.1 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



#69

Phenanthrene

Concen: 2.79 ng/ul

RT: 17.90 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

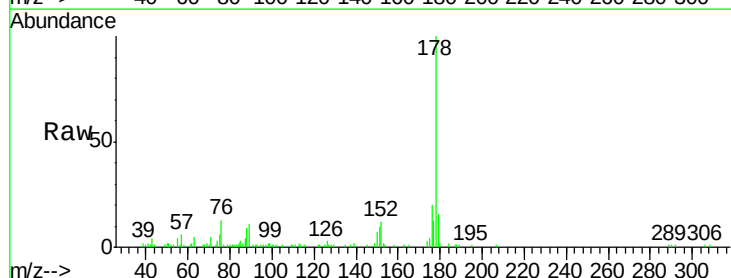
Tgt Ion:178 Resp: 47139

Ion Ratio Lower Upper

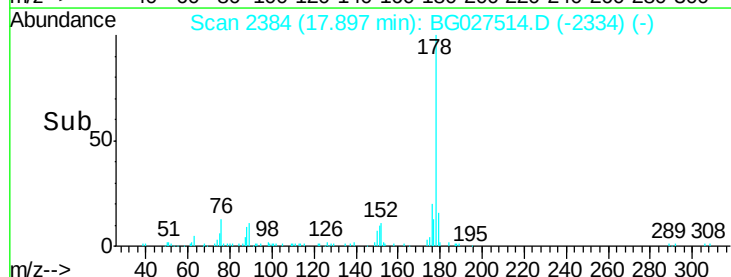
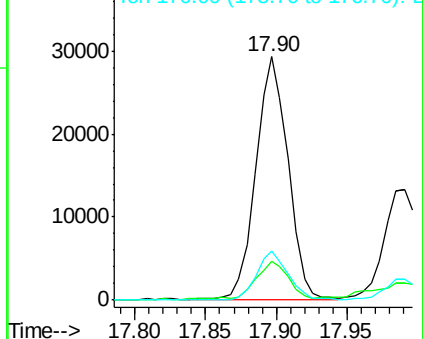
178 100

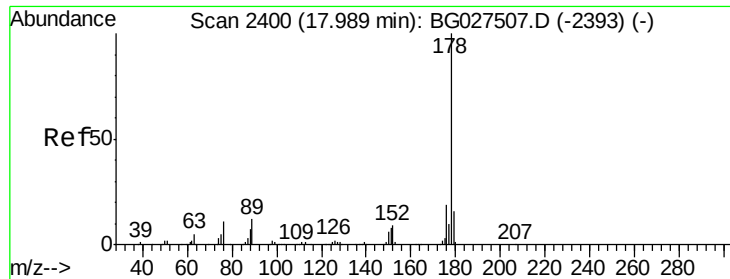
179 15.7 12.4 18.6

176 20.0 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: 1.38 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

Instrument :

BNA_G

ClientSampleId :

F5C91

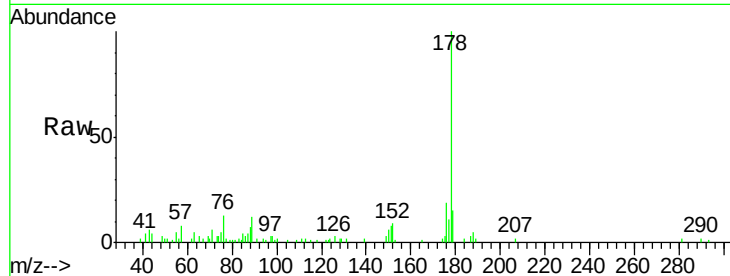
Tgt Ion:178 Resp: 23763

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

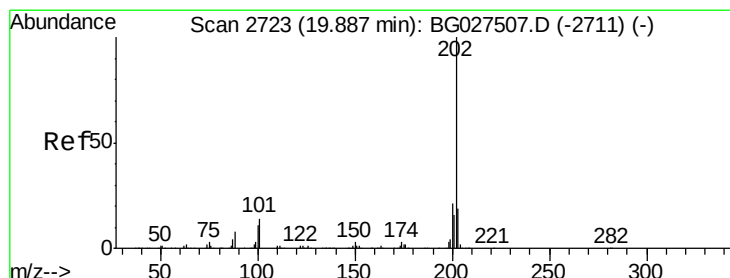
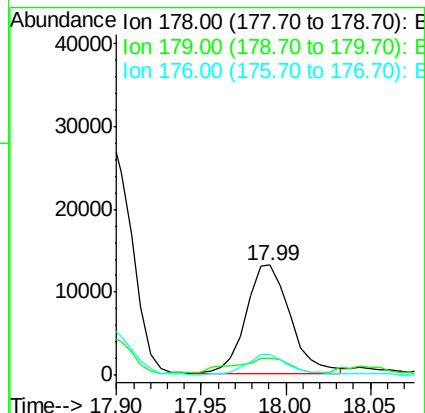
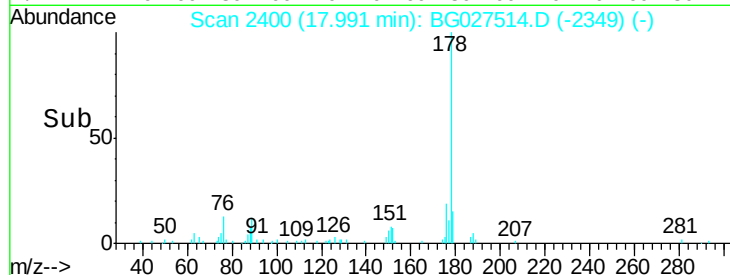
176 18.6 15.9 23.9



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



#74

Fluoranthene

Concen: 10.54 ng/ul

RT: 19.89 min Scan# 2723

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

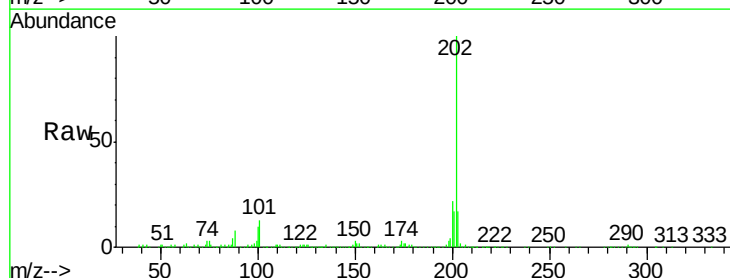
Tgt Ion:202 Resp: 200414

Ion Ratio Lower Upper

202 100

101 12.7 6.2 9.2#

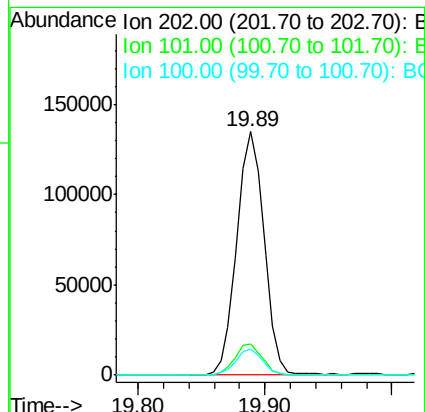
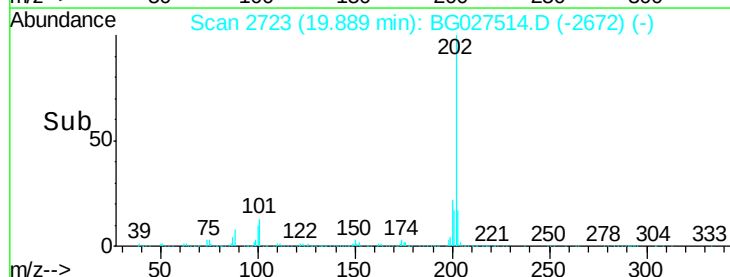
100 10.4 5.2 7.8#

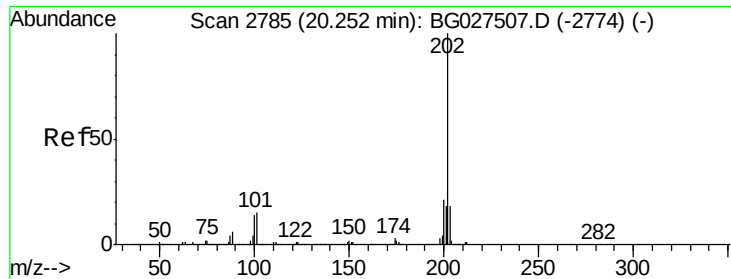


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 10.24 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

Instrument :

BNA_G

ClientSampleId :

F5C91

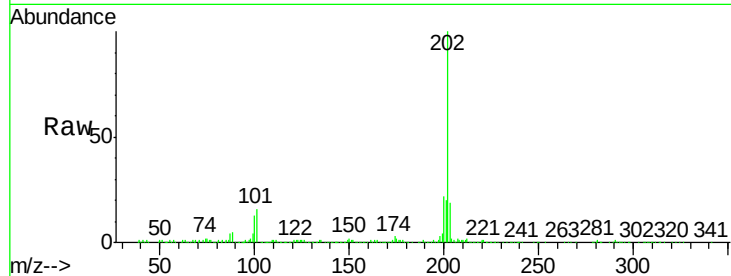
Tgt Ion:202 Resp: 205329

Ion Ratio Lower Upper

202 100

101 15.8 6.9 10.3#

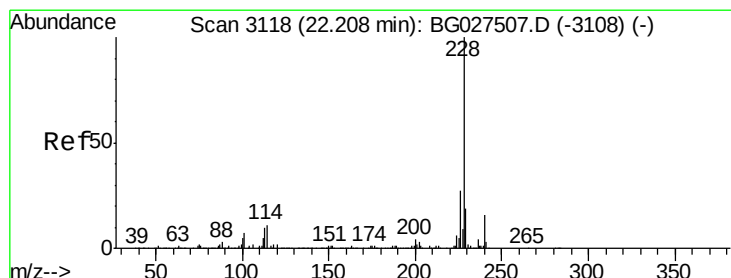
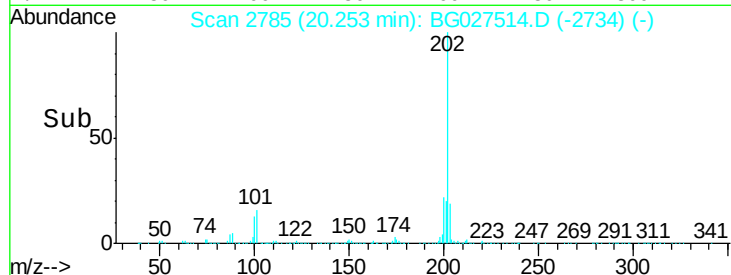
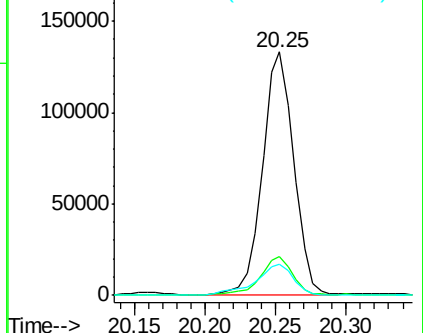
100 12.8 6.6 10.0#



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: 6.77 ng/ul

RT: 22.21 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

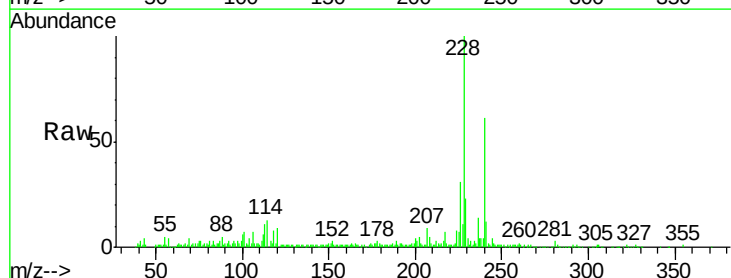
Tgt Ion:228 Resp: 127778

Ion Ratio Lower Upper

228 100

229 22.7 16.3 24.5

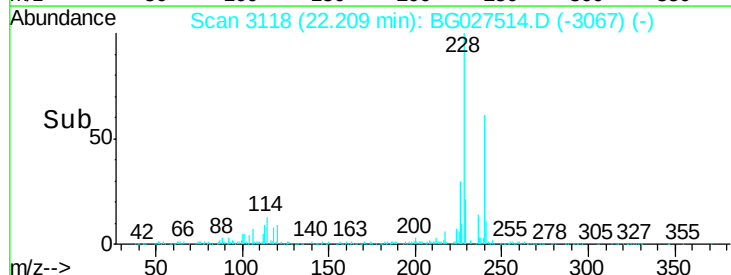
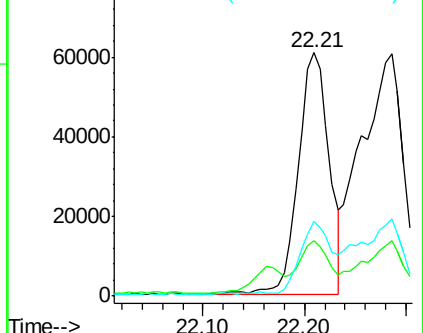
226 30.5 21.9 32.9

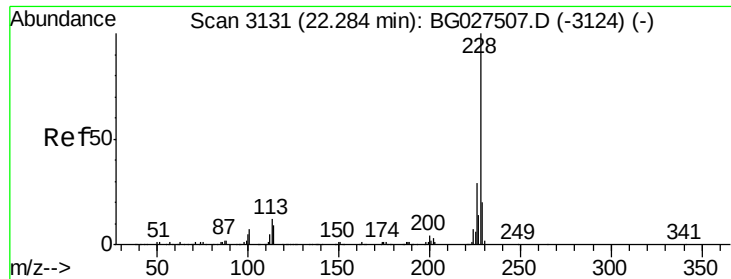


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 10.16 ng/ul

RT: 22.29 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

Instrument :

BNA_G

ClientSampleId :

F5C91

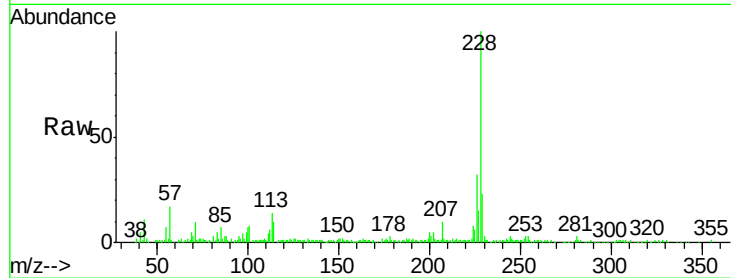
Tgt Ion:228 Resp: 173213

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

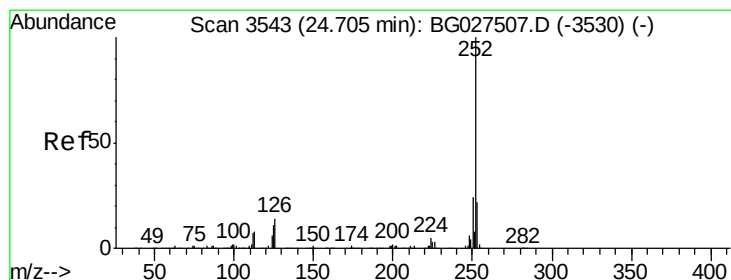
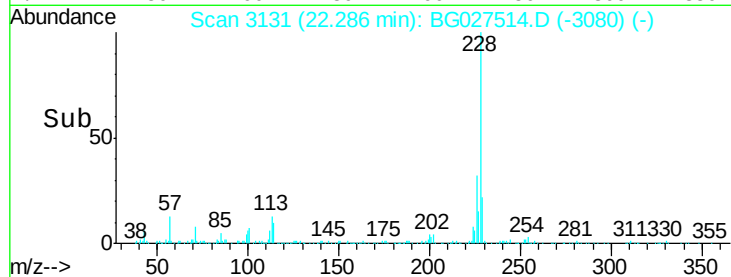
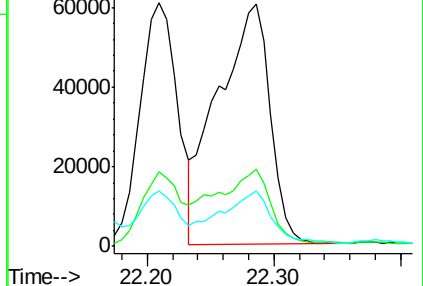
229 23.0 16.9 25.3



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: 23.88 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

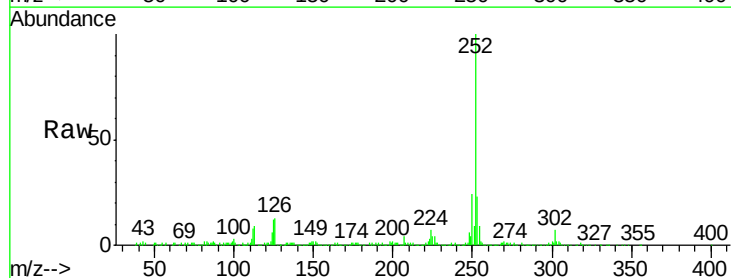
Tgt Ion:252 Resp: 466888

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

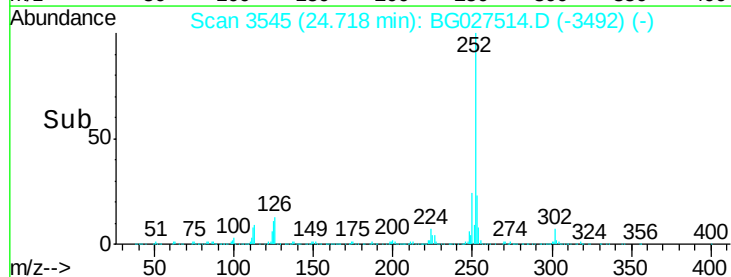
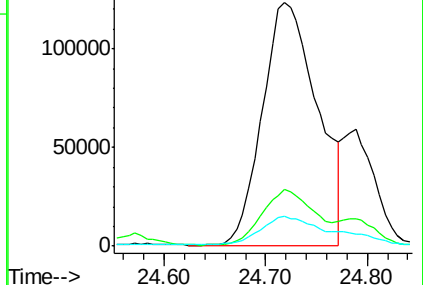
125 12.0 4.0 6.0#

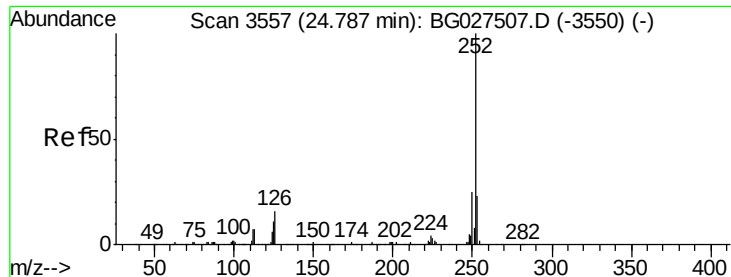


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 24.84 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. -0.07 min

Lab File: BG027514.D

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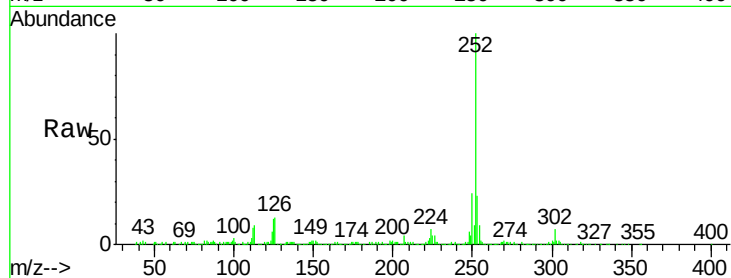
Tgt Ion:252 Resp: 466888

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

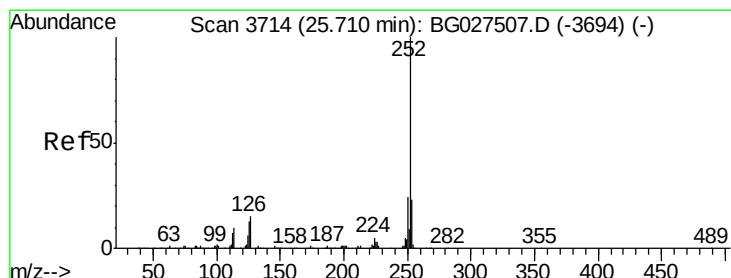
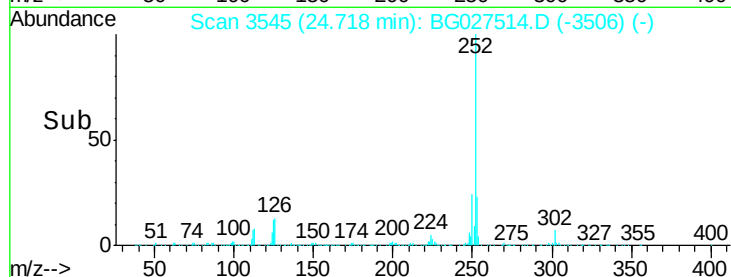
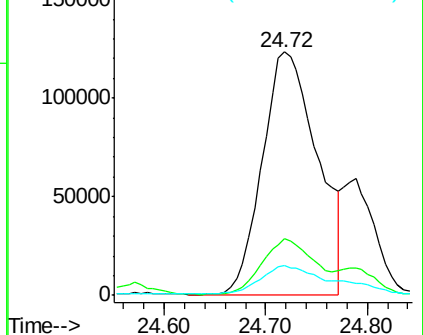
125 12.0 4.1 6.1#



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: 11.21 ng/ul

RT: 25.71 min Scan# 3714

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

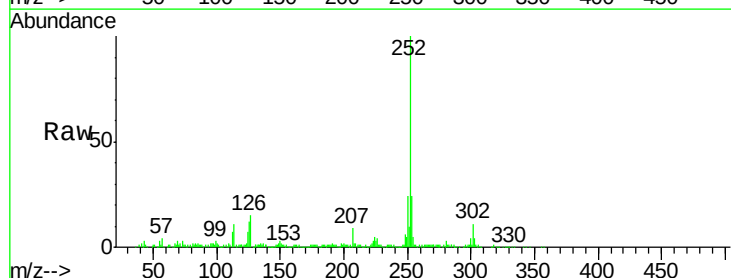
Tgt Ion:252 Resp: 210423

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

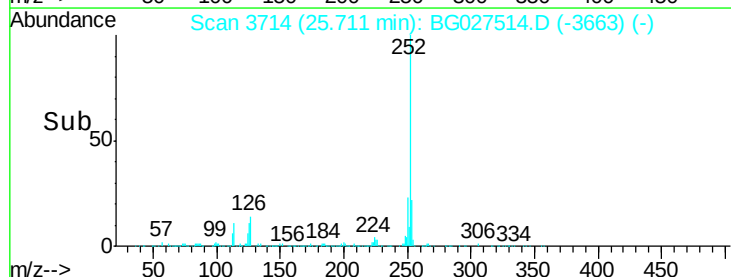
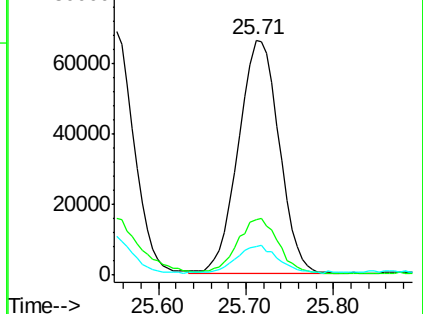
125 12.1 5.4 8.0#

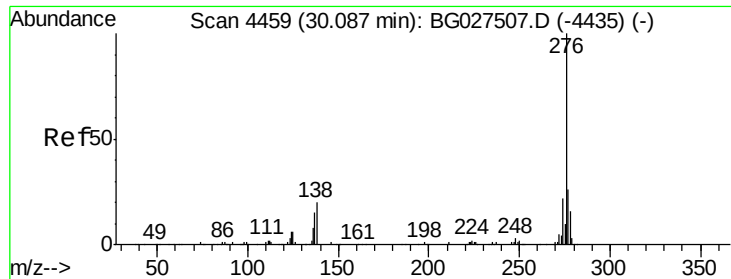


Abundance Ion 252.00 (251.70 to 252.70): E

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: 10.61 ng/ul

RT: 30.09 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

Instrument :

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ClientSampled :

F5C91

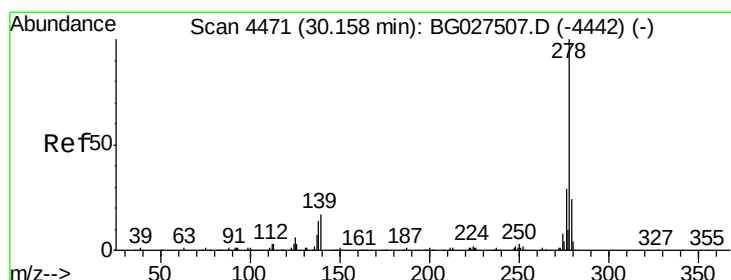
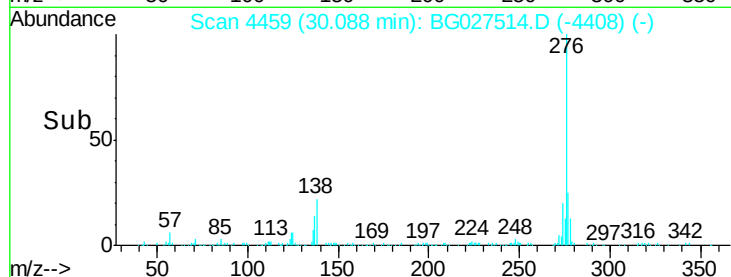
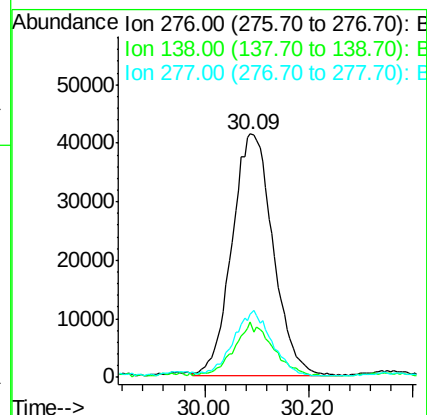
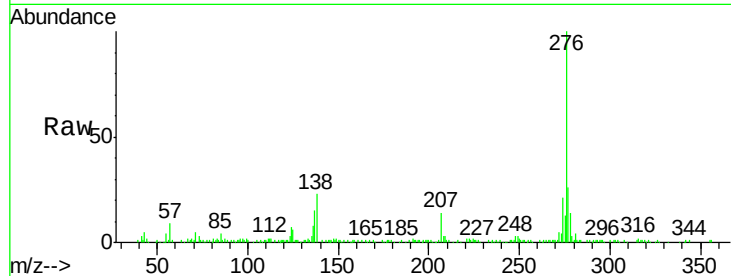
Tgt Ion:276 Resp: 227355

Ion Ratio Lower Upper

276 100

138 22.9 8.2 12.4#

277 26.1 18.6 28.0



#90

Dibenzo(a,h)anthracene

Concen: 1.83 ng/ul

RT: 30.13 min Scan# 4466

Delta R.T. -0.03 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

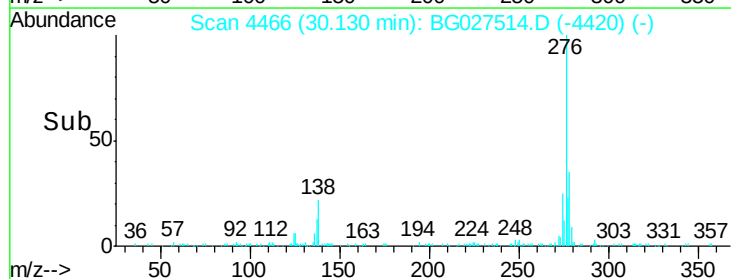
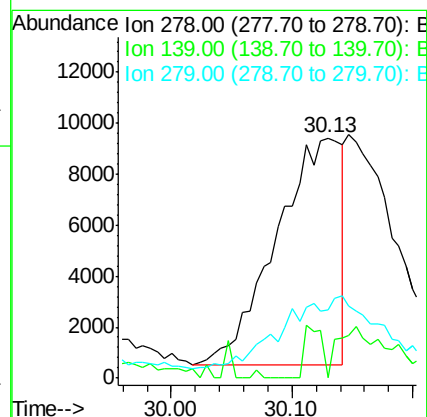
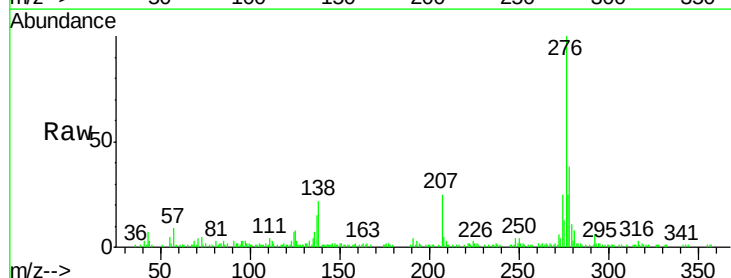
Tgt Ion:278 Resp: 33686

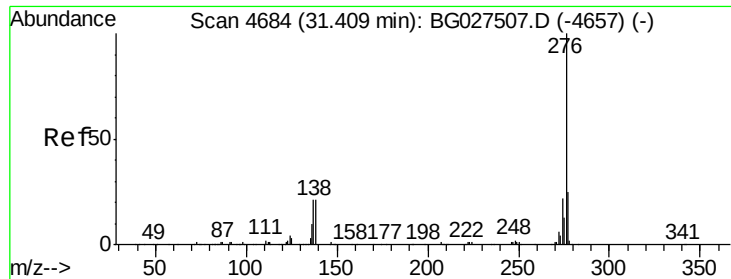
Ion Ratio Lower Upper

278 100

139 0.0 6.7 10.1#

279 28.5 20.9 31.3





#91

Benzo(g,h,i)perylene

Concen: 7.80 ng/ul

RT: 31.40 min Scan# 4683

Delta R.T. -0.00 min

Lab File: BG027514.D

Acq: 17 Jun 2017 19:49

Instrument :

BNA_G

ClientSampleId :

F5C91

Tgt Ion: 276 Resp: 136864

Ion Ratio Lower Upper

276 100

138 20.5 8.6 12.8#

277 22.4 17.6 26.4

