

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
 Data File : BG027541.D
 Acq On : 19 Jun 2017 22:57
 Operator : SJ/MA
 Sample : I3599-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5C97

Quant Time: Jun 20 01:52:43 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	35171	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	181336	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	117152	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	260120	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	292241	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	281049	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.08	96	1763	2.00	ng/uL	0.00
5) Phenol-d5	7.65	99	45678	11.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	32907	12.66	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	34308	13.61	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	38544	12.93	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	17026	12.93	ng/ul	0.00
22) 2-Nitrophenol-d4	10.41	143	19409	13.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	36585	13.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	38116	11.39	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	134558	13.72	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	151048	13.37	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	14402	7.51	ng/ul	0.00
57) Fluorene-d10	16.09	176	119803	13.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	16268	10.07	ng/ul	0.00
70) Anthracene-d10	17.95	188	174937	14.42	ng/ul	0.00
76) Pyrene-d10	20.22	212	114101	7.99	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	59420	4.70	ng/ul	0.00

Target Compounds

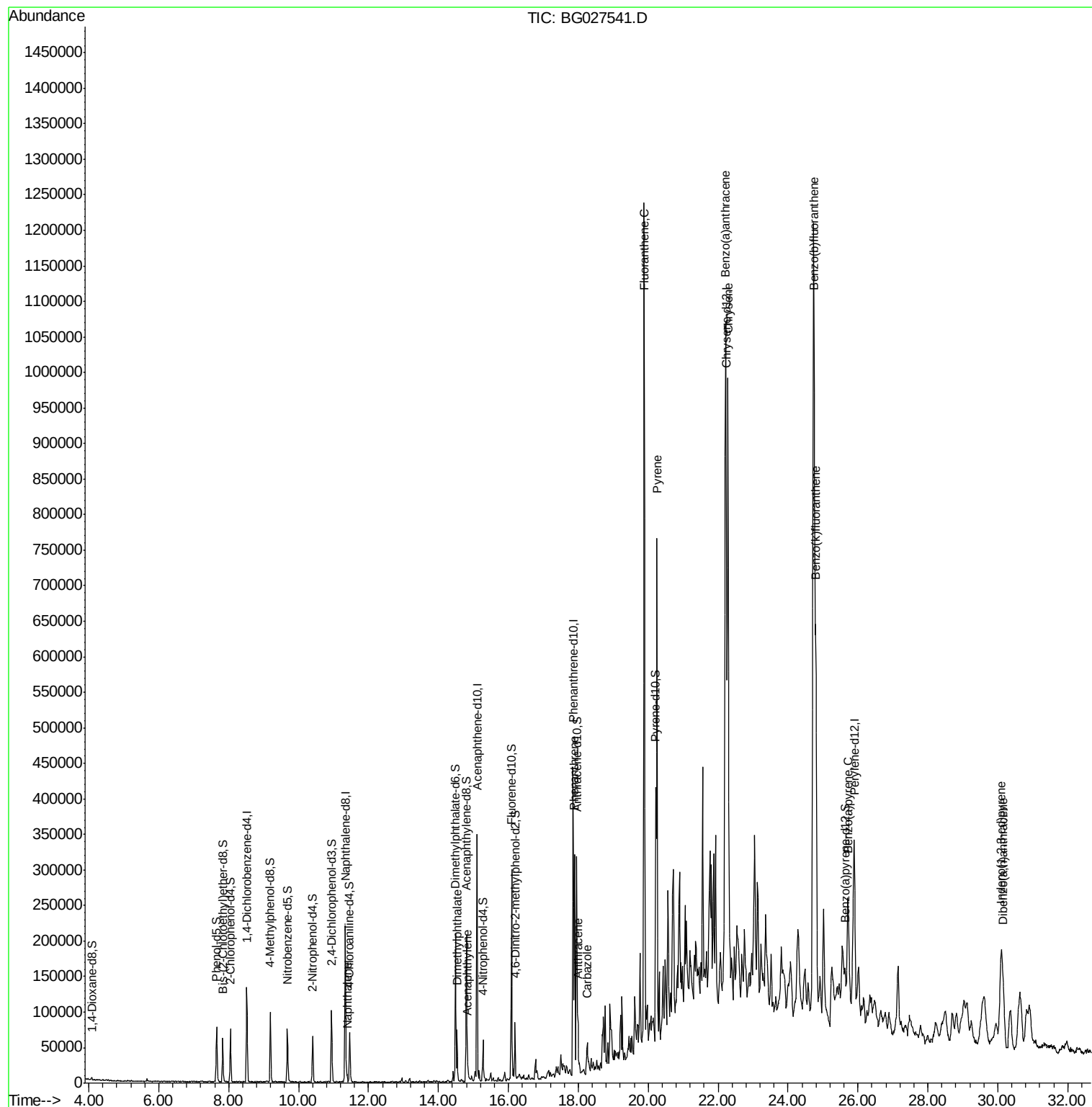
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	11.39	128	10225	1.10	ng/ul#	94
44) Dimethylphthalate	14.53	163	44752	4.60	ng/ul	96
47) Acenaphthylene	14.83	152	32522	2.87	ng/ul#	94
69) Phenanthrene	17.89	178	184284	13.18	ng/ul	99
71) Anthracene	17.99	178	50400	3.55	ng/ul	97
72) Carbazole	18.25	167	25337	2.07	ng/ul	98
74) Fluoranthene	19.89	202	751332	47.77	ng/ul#	87
77) Pyrene	20.25	202	432108	25.01	ng/ul#	87
80) Benzo(a)anthracene	22.21	228	617568	37.95	ng/ul	97
82) Chrysene	22.28	228	723917	49.25	ng/ul	96
85) Benzo(b)fluoranthene	24.73	252	1426771	85.24	ng/ul#	93
86) Benzo(k)fluoranthene	24.79	252	429637	26.70	ng/ul#	97
88) Benzo(a)pyrene	25.71	252	179944	11.20	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	30.10	276	234636	12.79	ng/ul#	83
90) Dibenzo(a,h)anthracene	30.15	278	143626	9.12	ng/ul#	95

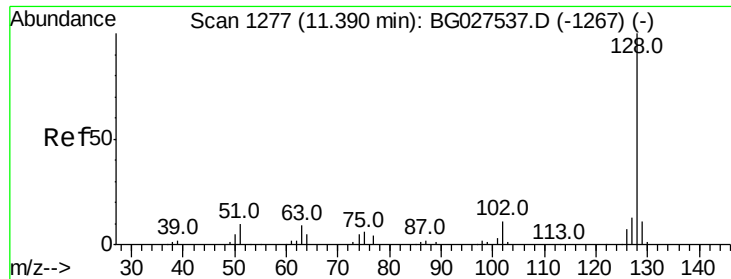
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061917\
Data File : BG027541.D
Acq On : 19 Jun 2017 22:57
Operator : SJ/MA
Sample : I3599-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5C97

Quant Time: Jun 20 01:52:43 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





#28

Naphthalene

Concen: 1.10 ng/ul

RT: 11.39 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

Instrument :

BNA_G

ClientSampleId :

F5C97

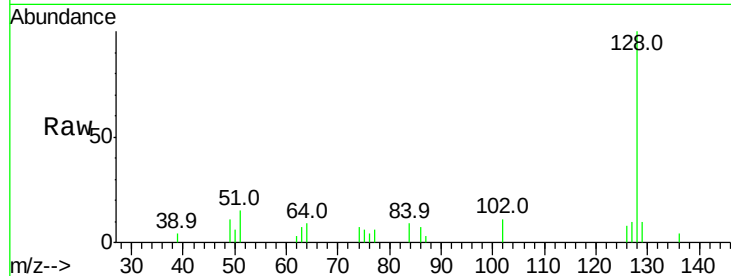
Tot Ion:128 Resp: 10225

Ion Ratio Lower Upper

128 100

129 9.6 9.4 14.2

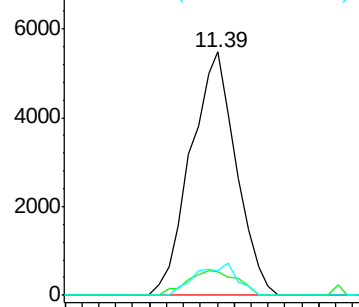
127 10.3 10.3 15.5#



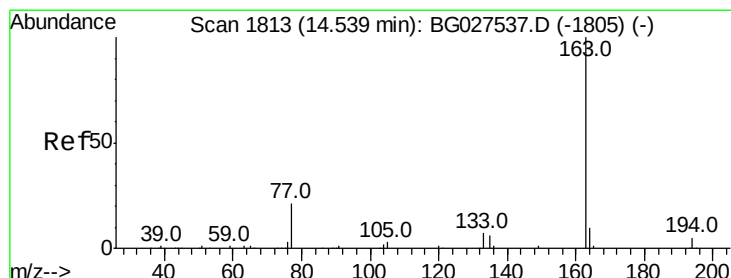
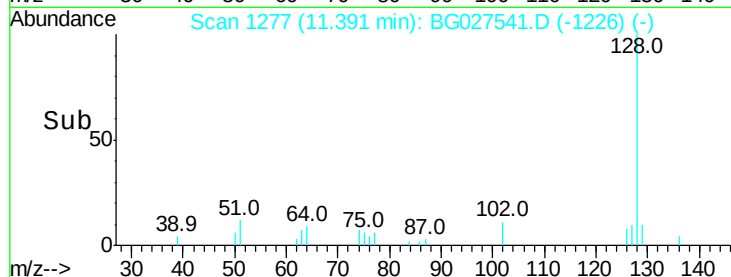
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time--> 11.30 11.35 11.40 11.45



#44

Dimethylphthalate

Concen: 4.60 ng/ul

RT: 14.53 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

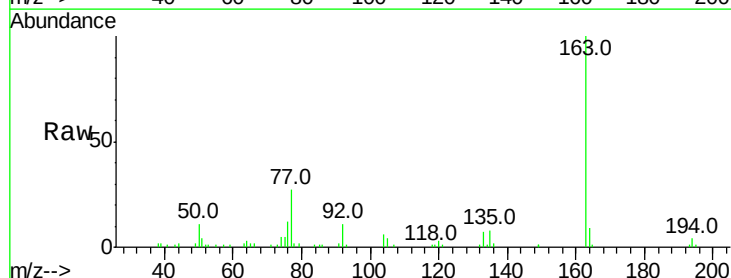
Tgt Ion:163 Resp: 44752

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

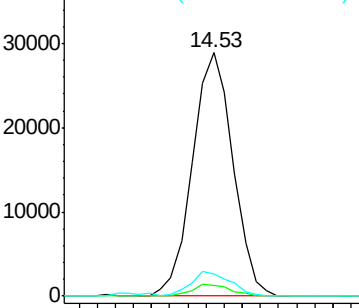
164 9.3 9.0 13.4



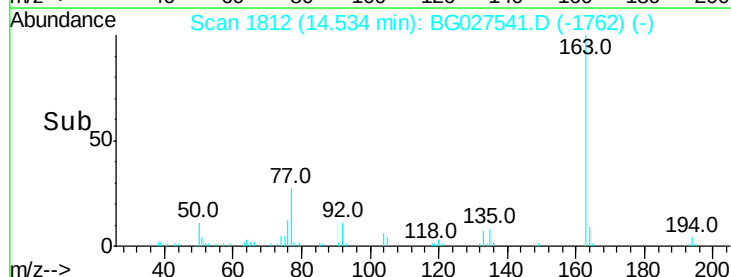
Abundance Ion 163.00 (162.70 to 163.70): E

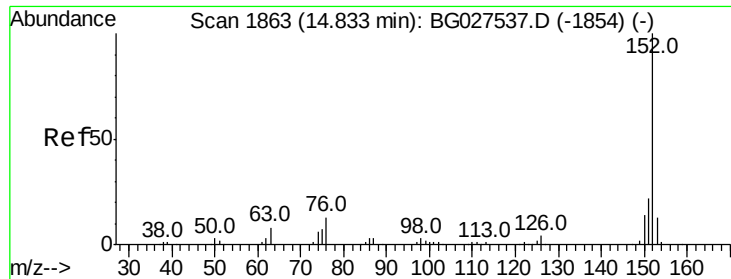
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time--> 14.50 14.55 14.60





#47

Acenaphthylene

Concen: 2.87 ng/ul

RT: 14.83 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

Instrument :

BNA_G

ClientSampled :

F5C97

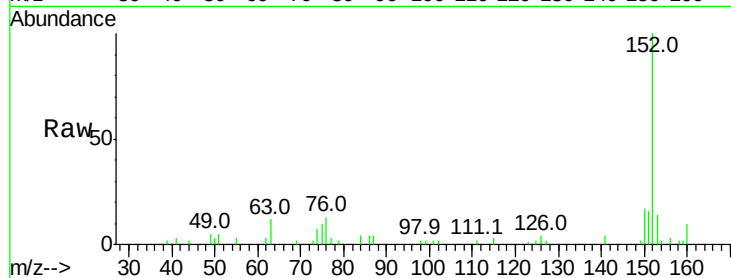
Tot Ion:152 Resp: 32522

Ion Ratio Lower Upper

152 100

151 16.3 16.7 25.1#

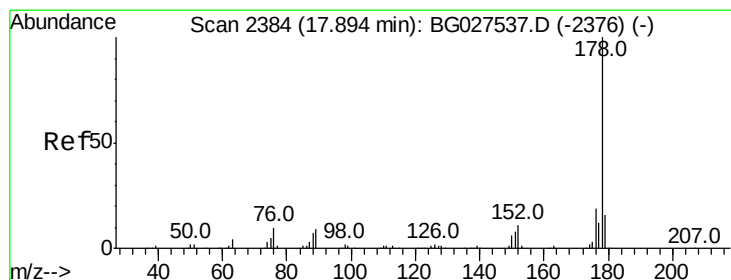
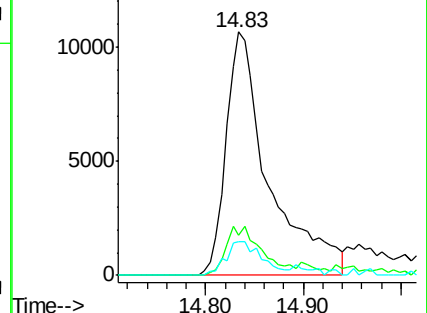
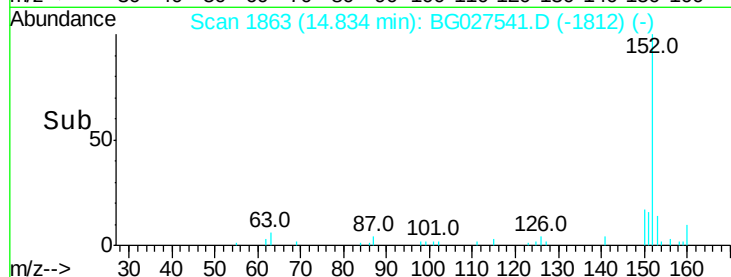
153 13.7 11.4 17.2



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: 13.18 ng/ul

RT: 17.89 min Scan# 2384

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

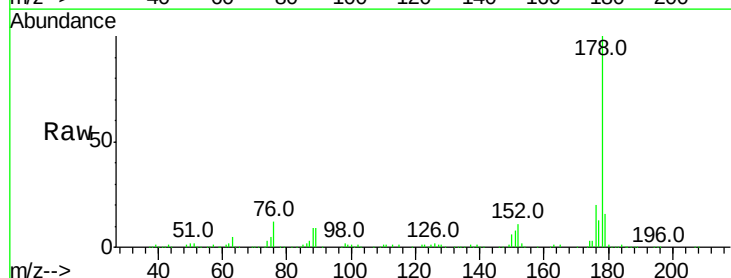
Tgt Ion:178 Resp: 184284

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

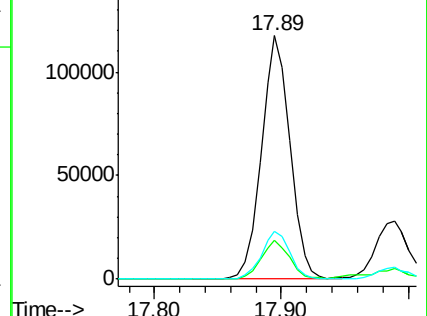
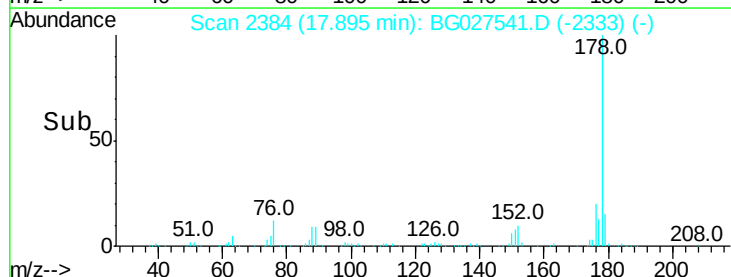
176 19.6 16.5 24.7

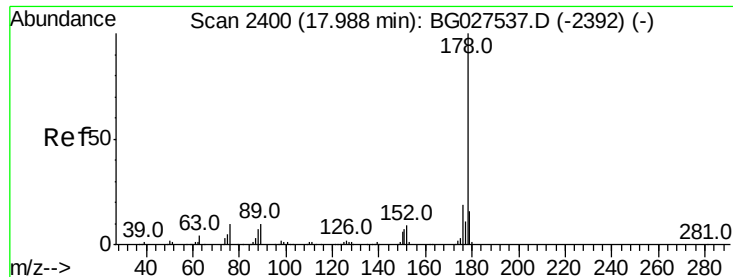


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

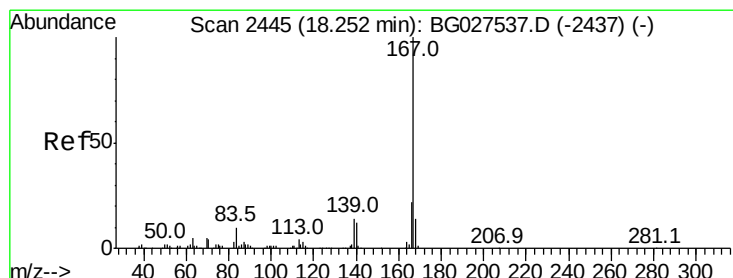
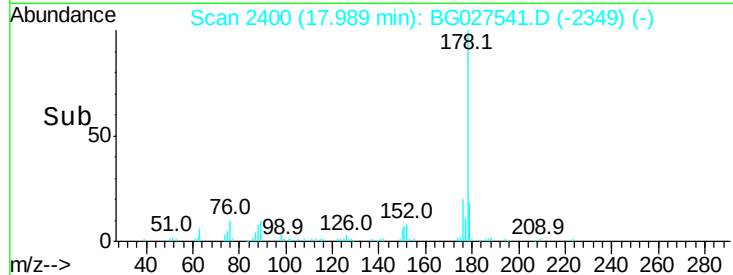
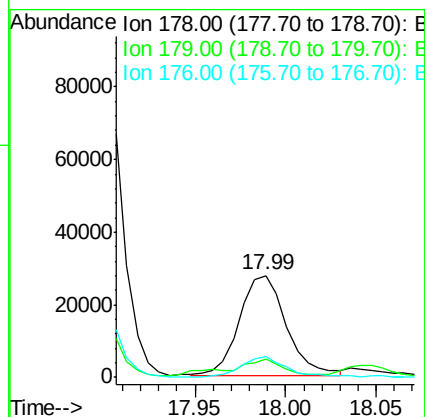
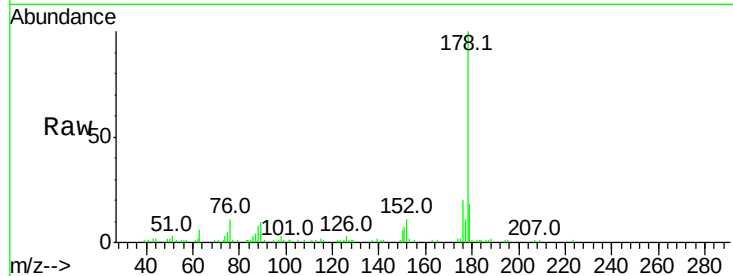




#71
 Anthracene
 Concen: 3.55 ng/ul
 RT: 17.99 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BG027541.D
 Acq: 19 Jun 2017 22:57

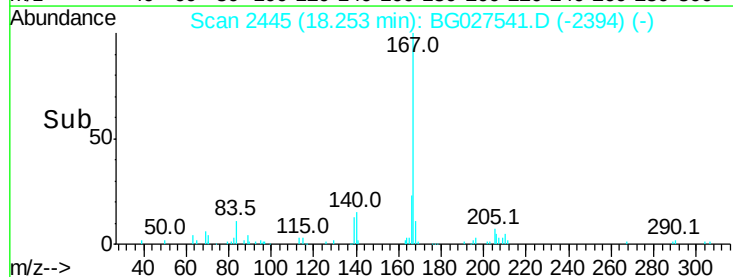
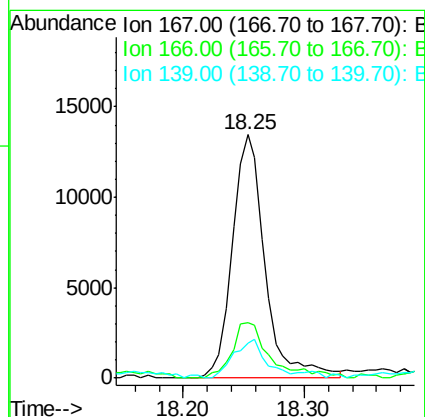
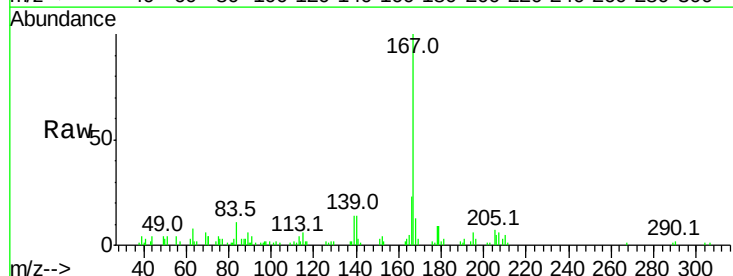
Instrument :
 BNA_G
 ClientSampleId :
 F5C97

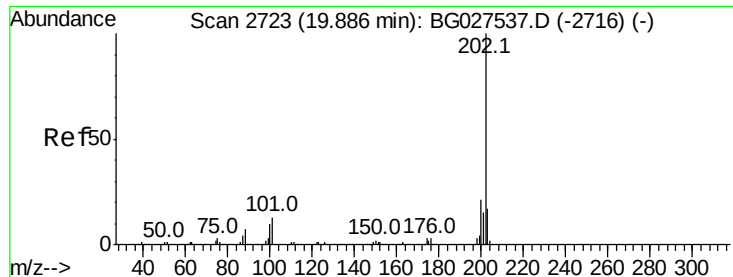
Tot Ion:178 Resp: 50400
 Ion Ratio Lower Upper
 178 100
 179 17.9 12.6 19.0
 176 20.5 15.9 23.9



#72
 Carbazole
 Concen: 2.07 ng/ul
 RT: 18.25 min Scan# 2445
 Delta R.T. 0.00 min
 Lab File: BG027541.D
 Acq: 19 Jun 2017 22:57

Tgt Ion:167 Resp: 25337
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.9 26.9
 139 14.4 10.5 15.7





#74

Fluoranthene

Concen: 47.77 ng/ul

RT: 19.89 min Scan# 2723

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

Instrument :

BNA_G

ClientSampleId :

F5C97

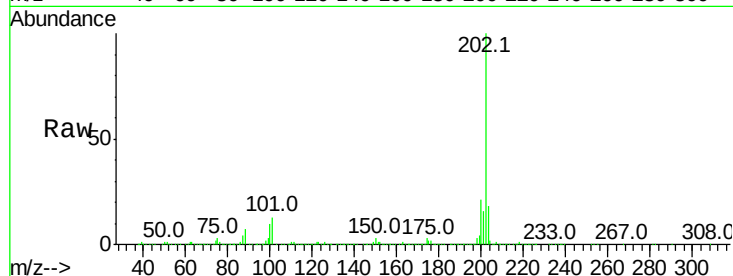
Tot Ion:202 Resp: 751332

Ion Ratio Lower Upper

202 100

101 12.8 6.2 9.2#

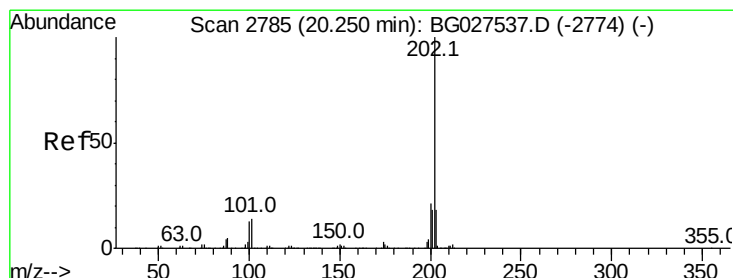
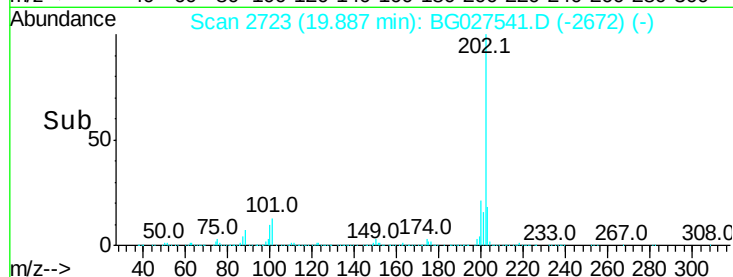
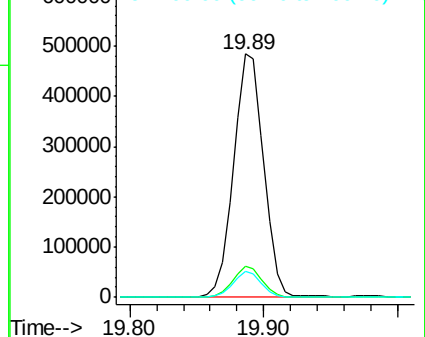
100 10.4 5.2 7.8#



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): B



#77

Pyrene

Concen: 25.01 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

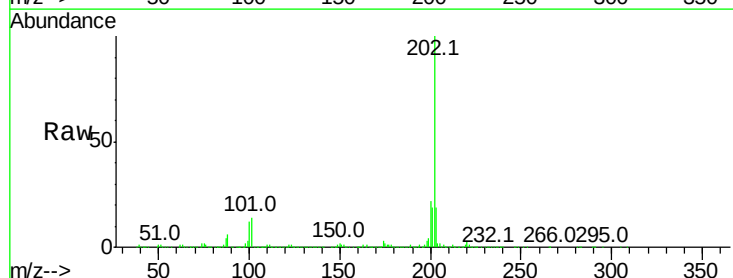
Tgt Ion:202 Resp: 432108

Ion Ratio Lower Upper

202 100

101 14.0 6.9 10.3#

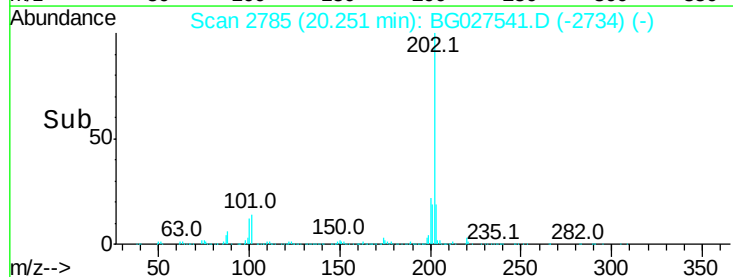
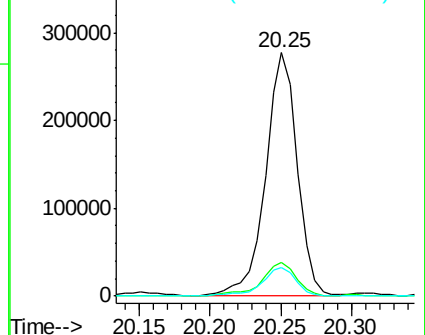
100 11.9 6.6 10.0#

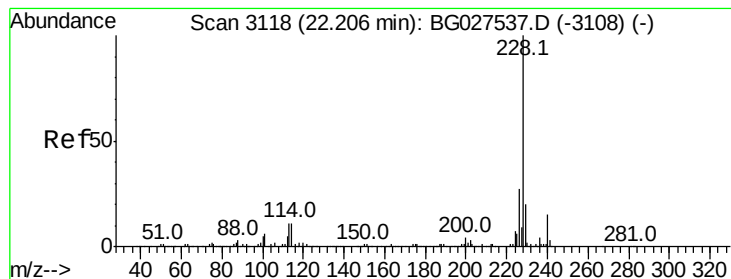


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 37.95 ng/ul

RT: 22.21 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

Instrument :

BNA_G

ClientSampleId :

F5C97

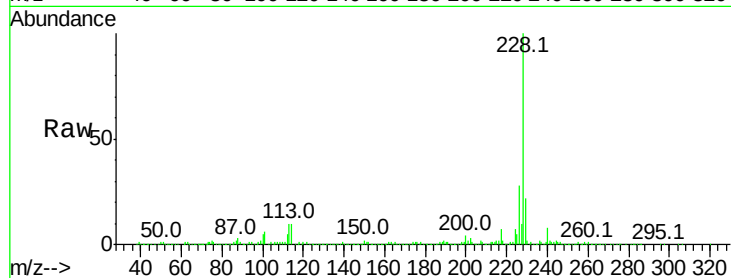
Tot Ion:228 Resp: 617568

Ion Ratio Lower Upper

228 100

229 22.4 16.3 24.5

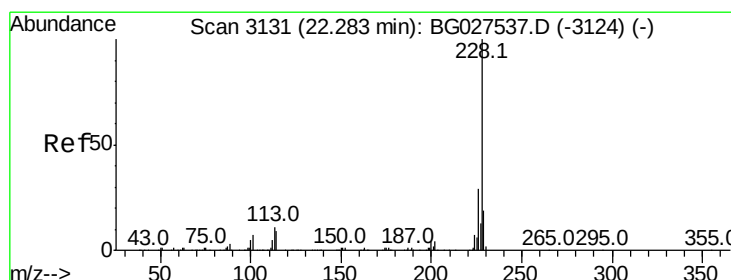
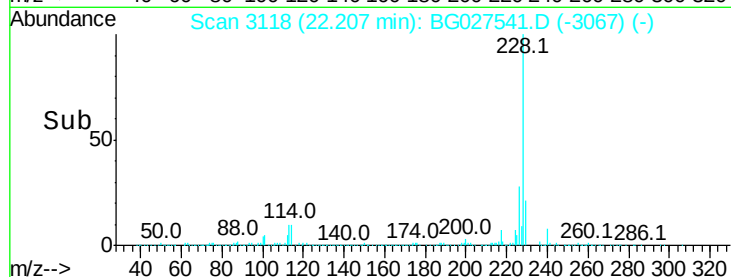
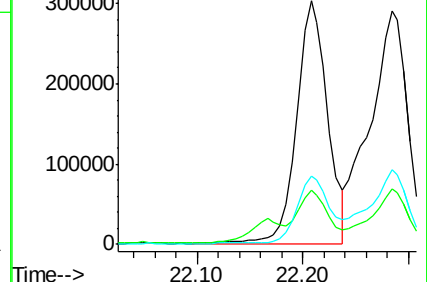
226 28.3 21.9 32.9



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: 49.25 ng/ul

RT: 22.28 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

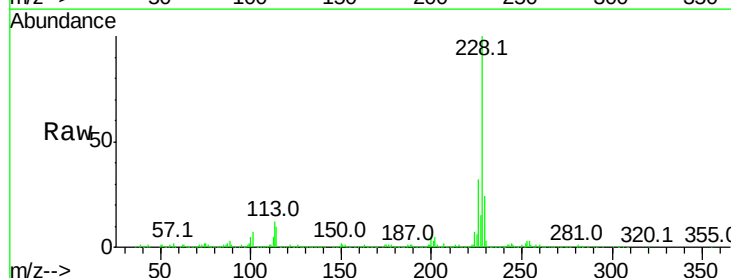
Tgt Ion:228 Resp: 723917

Ion Ratio Lower Upper

228 100

226 32.0 24.0 36.0

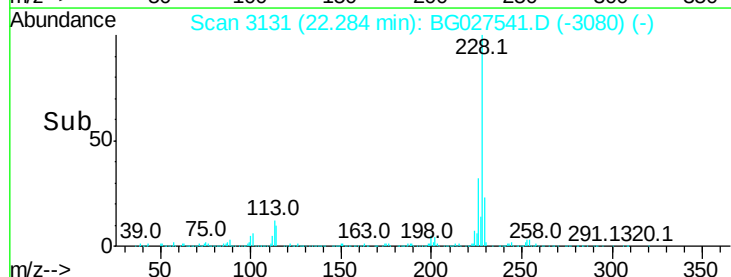
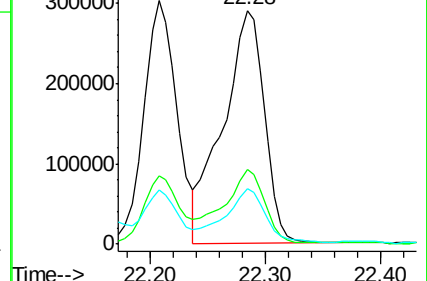
229 23.5 16.9 25.3

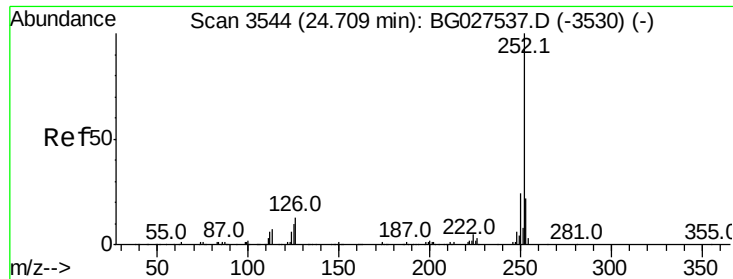


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

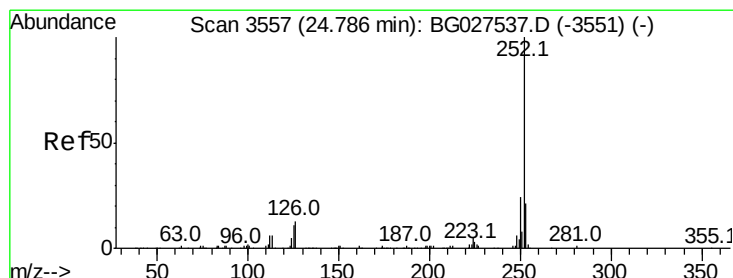
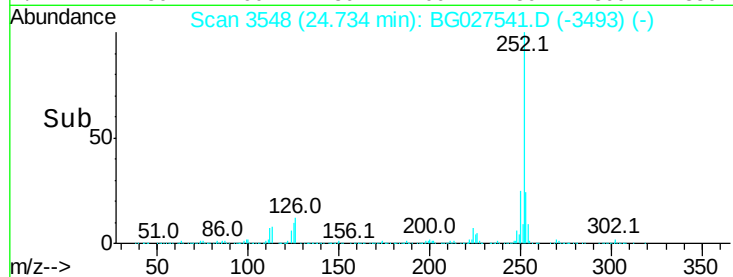
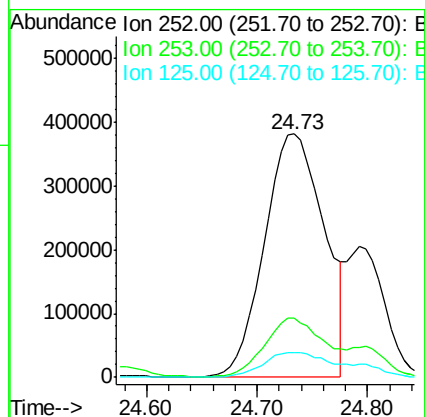
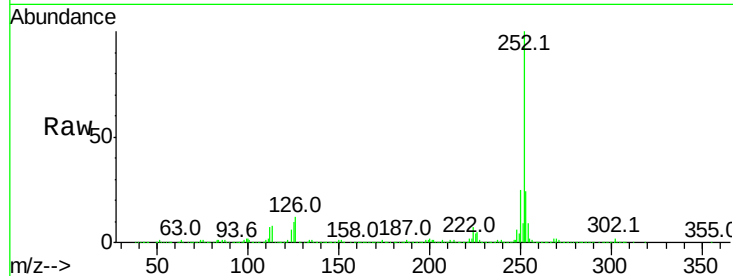




#85
Benzo(b)fluoranthene
Concen: 85.24 ng/ul
RT: 24.73 min Scan# 3548
Delta R.T. 0.02 min
Lab File: BG027541.D
Acq: 19 Jun 2017 22:57

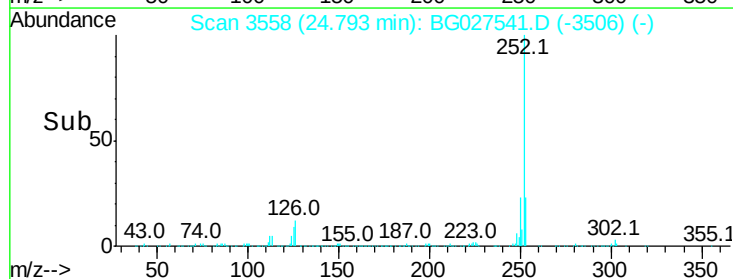
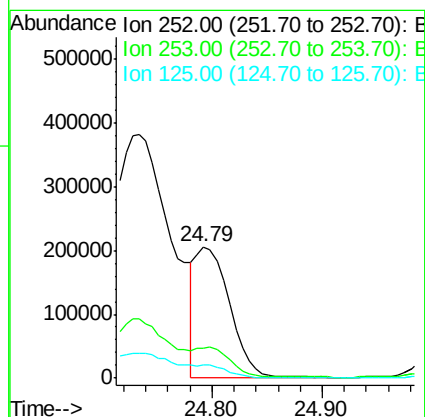
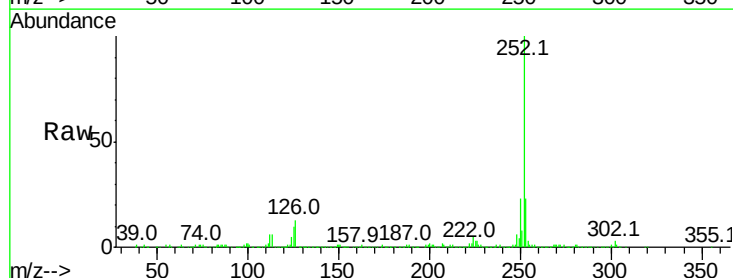
Instrument :
BNA_G
ClientSampled :
F5C97

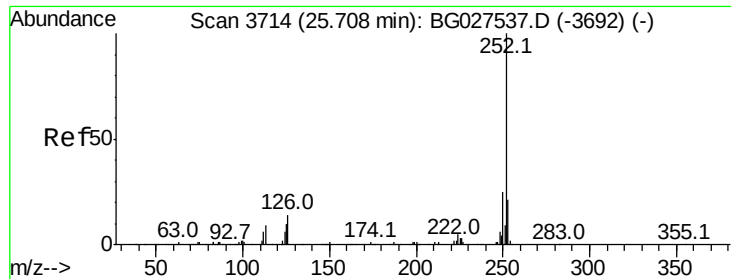
Tot Ion:252 Resp: 1426771
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 10.4 4.0 6.0#



#86
Benzo(k)fluoranthene
Concen: 26.70 ng/ul
RT: 24.79 min Scan# 3558
Delta R.T. 0.01 min
Lab File: BG027541.D
Acq: 19 Jun 2017 22:57

Tgt Ion:252 Resp: 429637
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 9.7 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 11.20 ng/ul

RT: 25.71 min Scan# 3714

Delta R.T. 0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

Instrument :

BNA_G

ClientSampleId :

F5C97

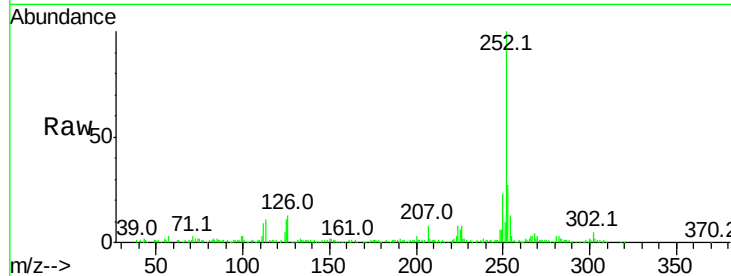
Tot Ion:252 Resp: 179944

Ion Ratio Lower Upper

252 100

253 27.3 17.8 26.6#

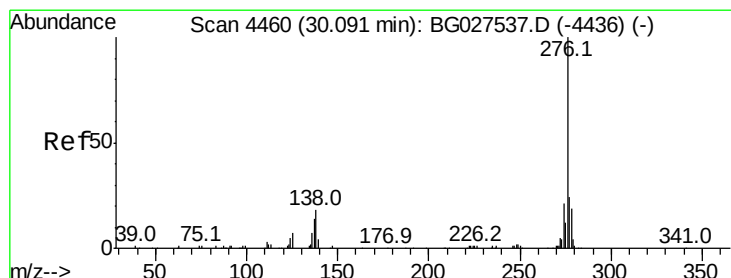
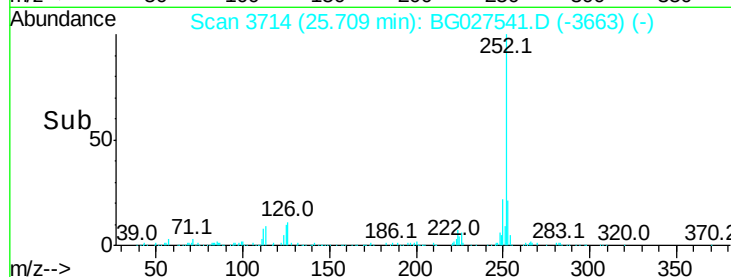
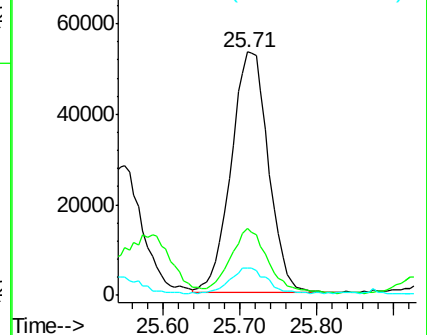
125 11.4 5.4 8.0#



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: 12.79 ng/ul

RT: 30.10 min Scan# 4461

Delta R.T. 0.01 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

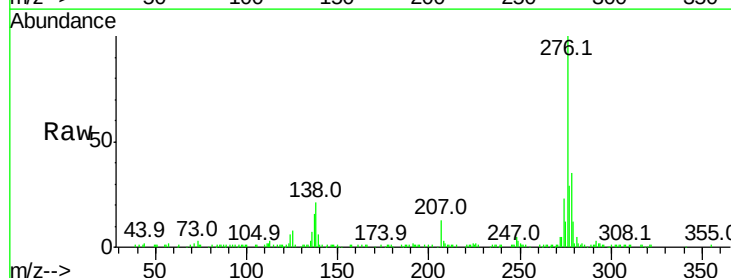
Tgt Ion:276 Resp: 234636

Ion Ratio Lower Upper

276 100

138 21.2 8.2 12.4#

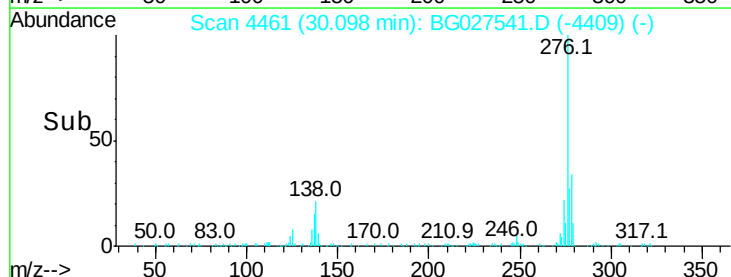
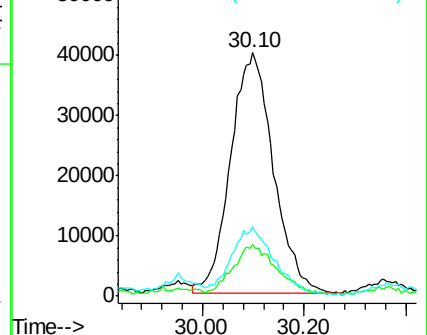
277 28.7 18.6 28.0#

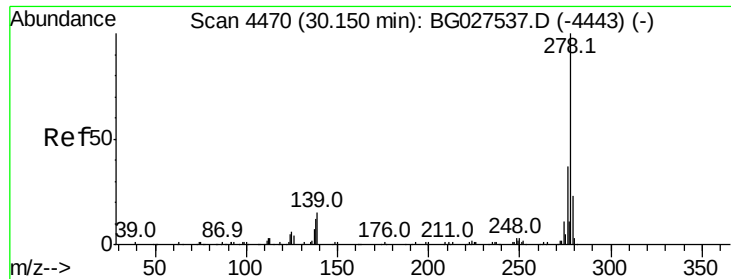


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 9.12 ng/ul

RT: 30.15 min Scan# 4469

Delta R.T. -0.00 min

Lab File: BG027541.D

Acq: 19 Jun 2017 22:57

Instrument :

BNA_G

ClientSampleId :

F5C97

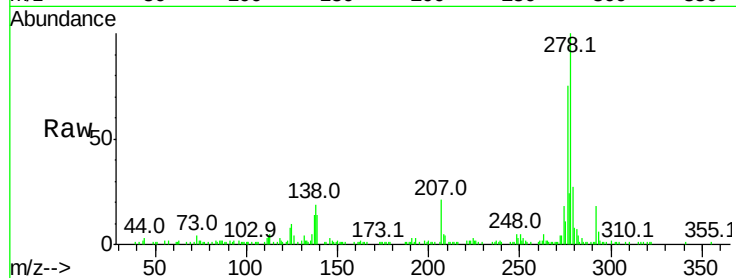
Tot Ion:278 Resp: 143626

Ion Ratio Lower Upper

278 100

139 13.7 6.7 10.1#

279 27.3 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

