

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017783.D
 Acq On : 6 Jul 2015 23:40
 Operator : TP/UM
 Sample : G2860-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 07 12:01:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG070615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 01:50:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	112747	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	529128	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	324691	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.01	188	649042	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	703623	20.00	ng/ul	0.00
85) Perylene-d12	23.44	264	726366	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	4493	1.58	ng/uL	0.00
5) Phenol-d5	6.78	99	104390	10.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	58509	10.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	85492	10.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	86531	11.11	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	41328	10.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	44519	11.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	81203	10.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	84643	8.25	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	223478	10.40	ng/ul	0.00
46) Acenaphthylene-d8	13.94	160	299792	10.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	36517	8.47	ng/ul	0.00
57) Fluorene-d10	15.25	176	226834	10.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	15694	5.21	ng/ul	0.00
70) Anthracene-d10	17.11	188	316591	10.70	ng/ul	0.00
78) Pyrene-d10	19.41	212	332522	9.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.30	264	314606	9.84	ng/ul	0.02

Target Compounds

						Qvalue
14) Acetophenone	8.42	105	22061	1.92	ng/ul	89
28) Naphthalene	10.44	128	64133	2.34	ng/ul	98
34) 2-Methylnaphthalene	12.06	142	27172	1.40	ng/ul	97
44) Dimethylphthalate	13.72	163	77277	3.24	ng/ul	98
47) Acenaphthylene	13.98	152	46486	1.47	ng/ul	96
49) Acenaphthene	14.32	153	103825	4.87	ng/ul	99
53) Dibenzofuran	14.66	168	89216	3.10	ng/ul	97
58) Fluorene	15.31	166	116906	4.58	ng/ul	99
69) Phenanthrene	17.05	178	1601818	45.16	ng/ul	96
71) Anthracene	17.15	178	403159	11.05	ng/ul	99
74) Carbazole	17.42	167	197198	6.49	ng/ul	99
76) Fluoranthene	19.09	202	2356721m	68.95	ng/ul	
79) Pyrene	19.45	202	2154577	50.18	ng/ul#	92
82) Benzo(a)anthracene	21.20	228	1201454	30.99	ng/ul	92
84) Chrysene	21.25	228	1172913	31.94	ng/ul	97
87) Benzo(b)fluoranthene	22.78	252	1593729	38.39	ng/ul	94
88) Benzo(k)fluoranthene	22.81	252	460004m	11.76	ng/ul	
90) Benzo(a)pyrene	23.35	252	1092694	27.69	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.70	276	713316	16.56	ng/ul	96
92) Dibenzo(a,h)anthracene	25.71	278	196505	5.40	ng/ul#	75
93) Benzo(g,h,i)perylene	26.39	276	520411	14.44	ng/ul	95

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 01:50:10 2015
Response via : Initial Calibration

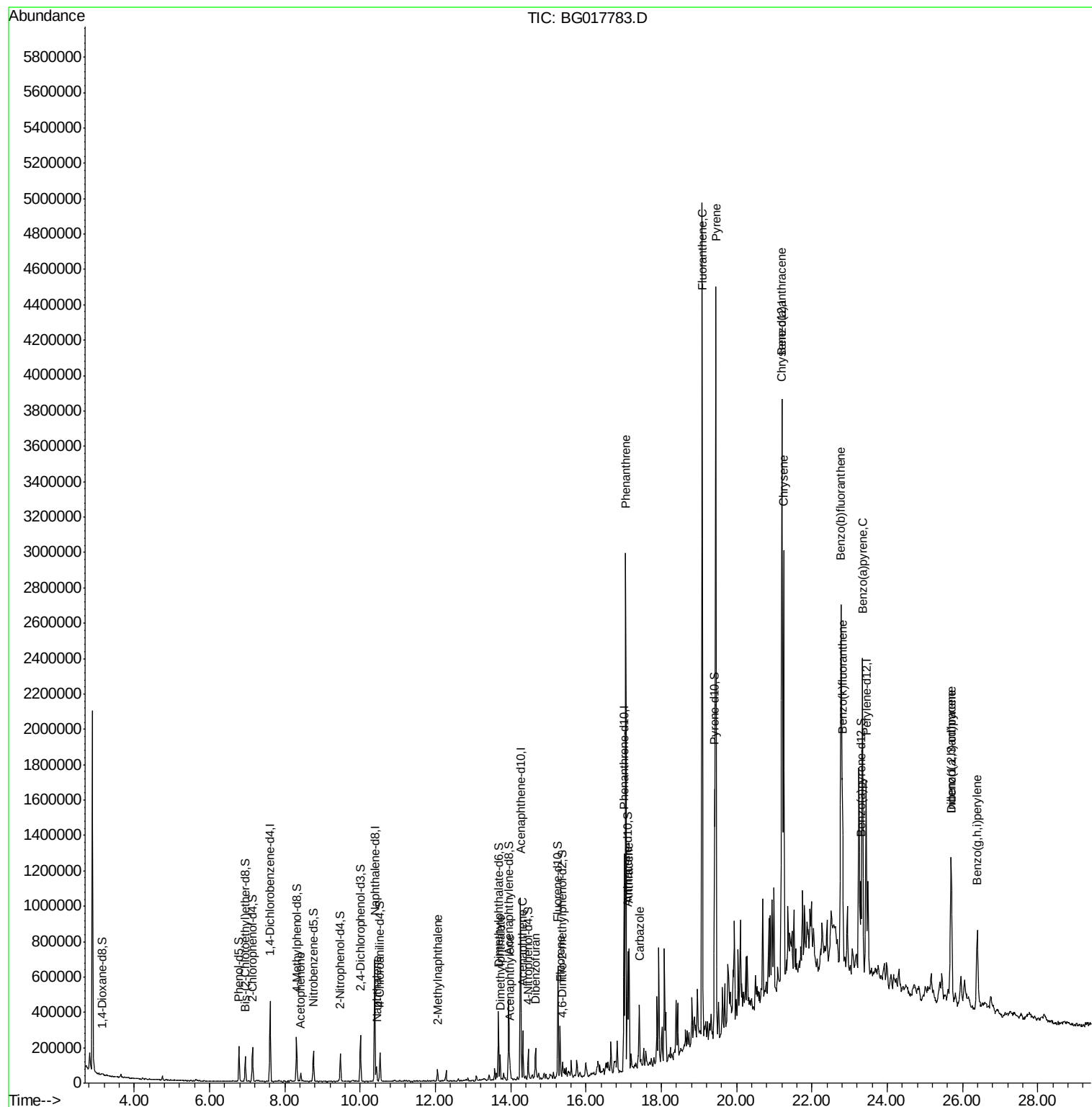
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

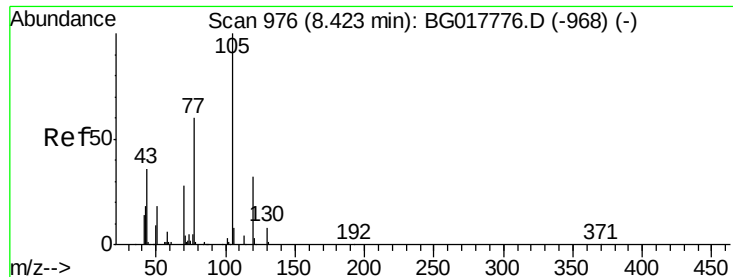
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#14

Acetophenone

Concen: 1.92 ng/ul

RT: 8.42 min Scan# 976

Delta R.T. -0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampleId :

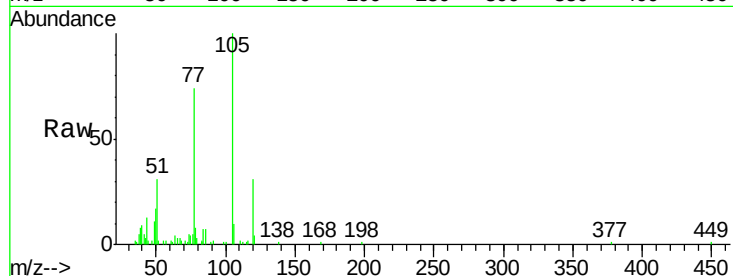
Tgt Ion:105 Resp: 22061

Ion Ratio Lower Upper

105 100

77 74.0 69.5 104.3

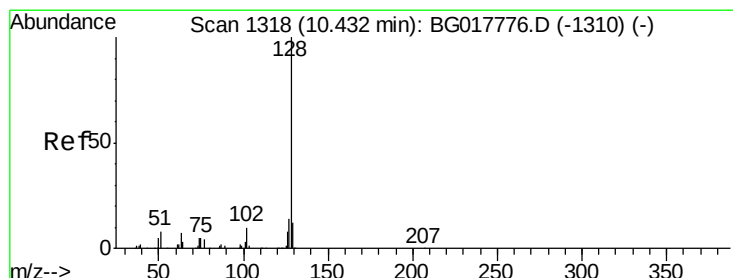
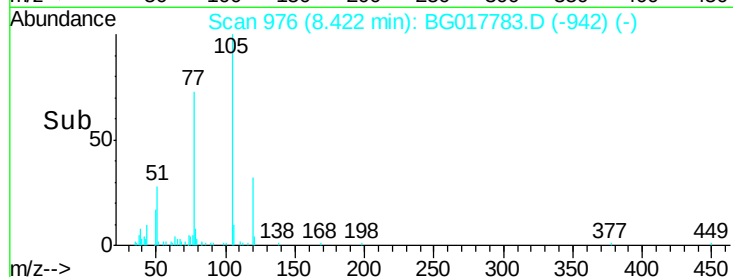
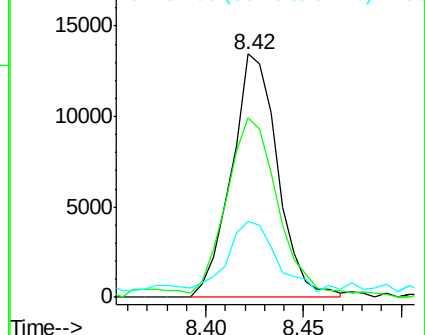
51 31.2 26.7 40.1



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG017776.D (-968) (-)

Ion 51.00 (50.70 to 51.70): BG017776.D (-968) (-)



#28

Naphthalene

Concen: 2.34 ng/ul

RT: 10.44 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

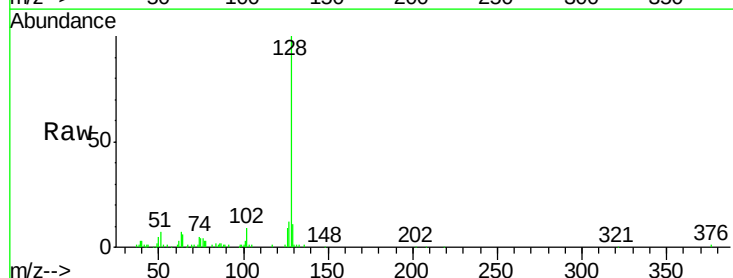
Tgt Ion:128 Resp: 64133

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

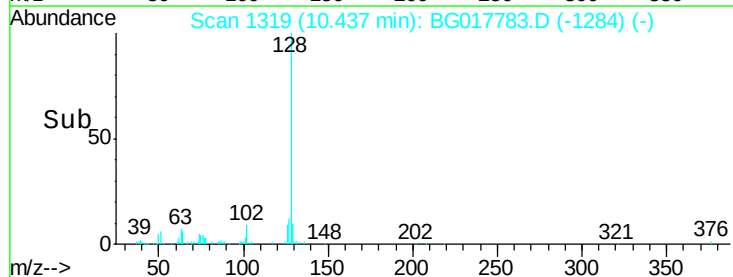
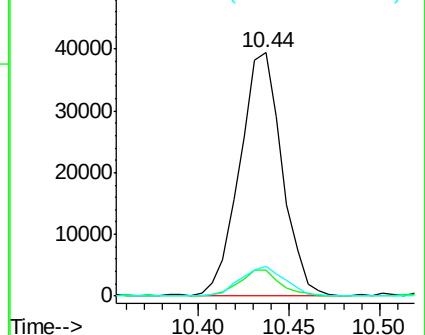
127 12.2 11.0 16.6

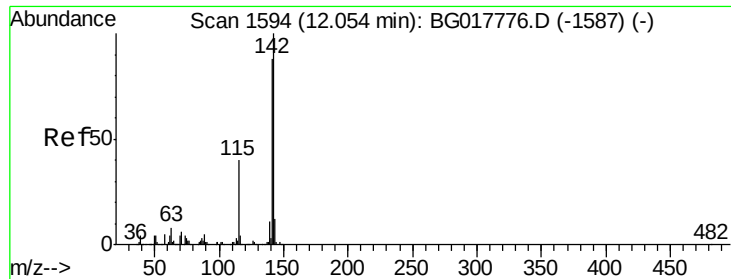


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

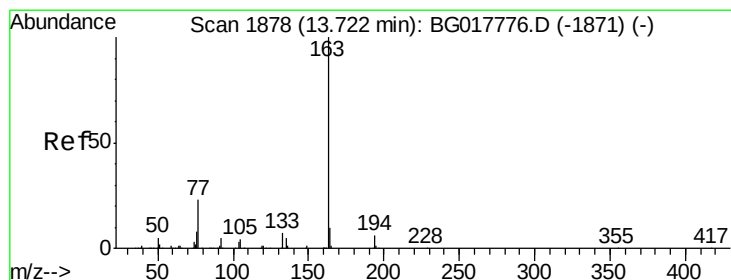
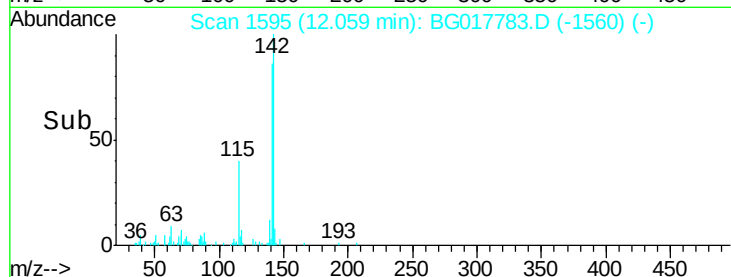
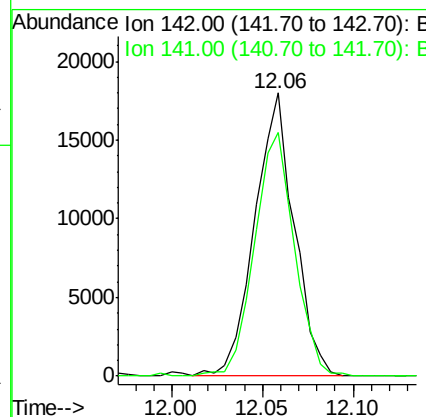
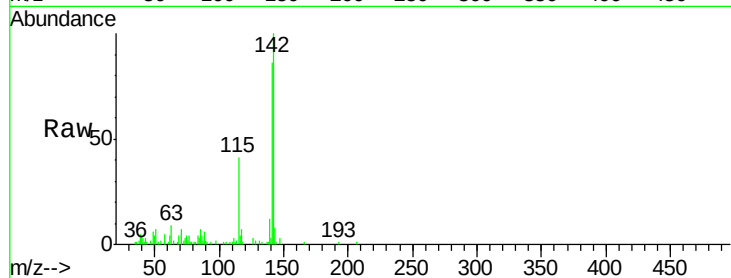




#34
 2-Methylnaphthalene
 Concen: 1.40 ng/ul
 RT: 12.06 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BG017783.D
 Acq: 6 Jul 2015 23:40

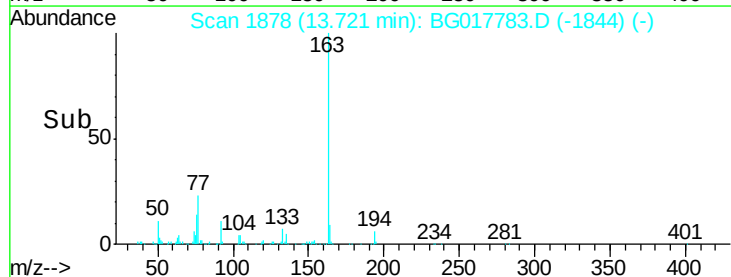
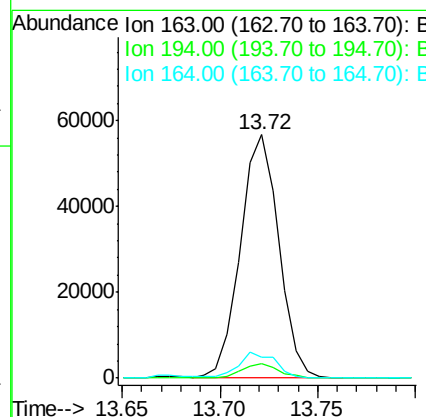
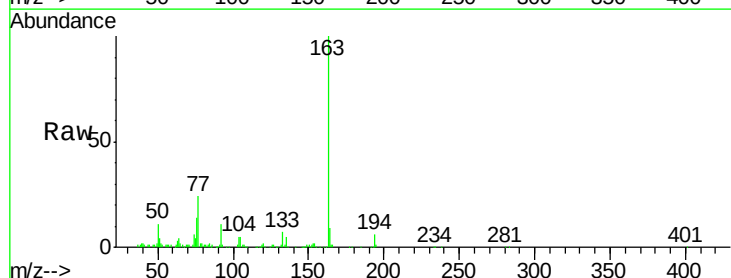
Instrument :
 BNA_G
 ClientSampleId :

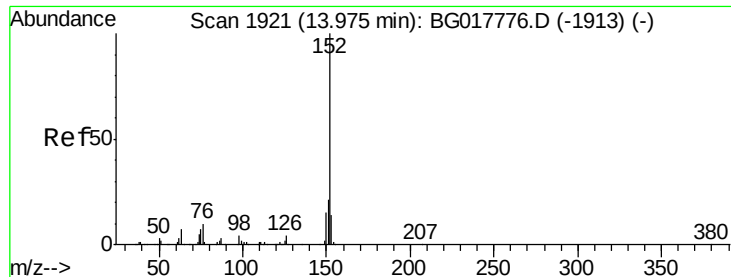
Tgt Ion:142 Resp: 27172
 Ion Ratio Lower Upper
 142 100
 141 86.0 66.6 100.0



#44
 Dimethylphthalate
 Concen: 3.24 ng/ul
 RT: 13.72 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: BG017783.D
 Acq: 6 Jul 2015 23:40

Tgt Ion:163 Resp: 77277
 Ion Ratio Lower Upper
 163 100
 194 6.0 5.4 8.0
 164 8.6 7.7 11.5

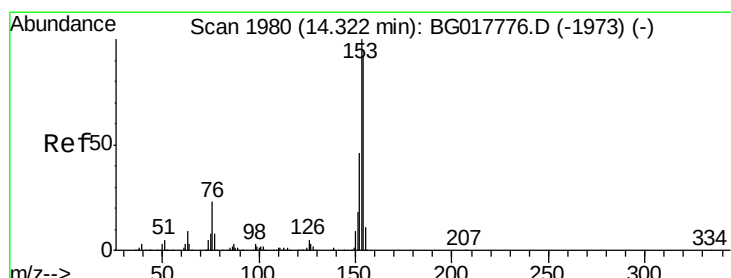
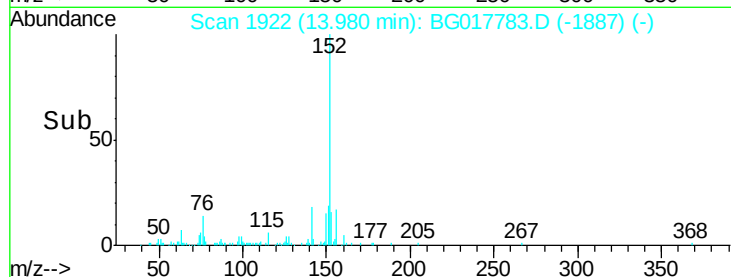
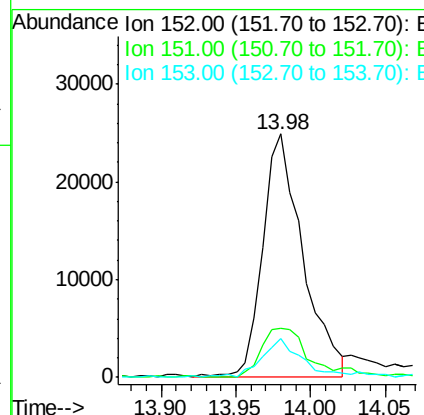
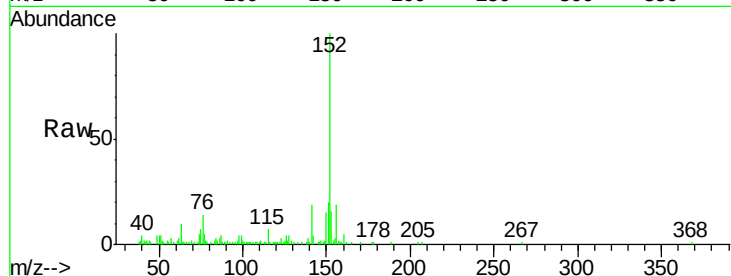




#47
Acenaphthylene
Concen: 1.47 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BG017783.D
Acq: 6 Jul 2015 23:40

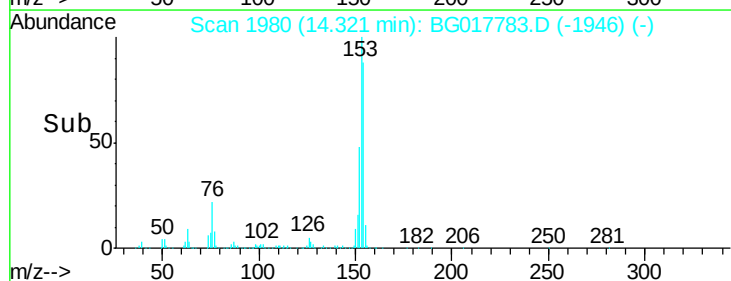
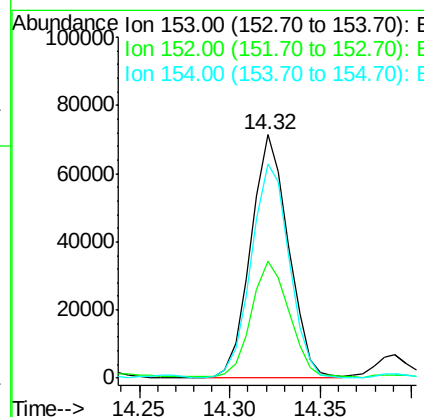
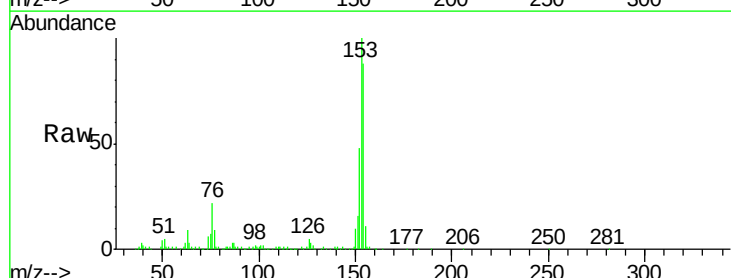
Instrument :
BNA_G
ClientSampleId :

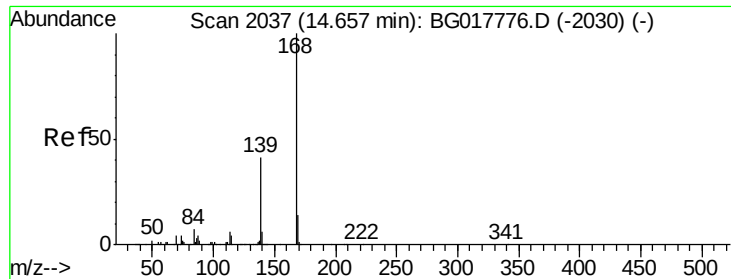
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.0	25.6
153	15.9	11.2	16.8



#49
Acenaphthene
Concen: 4.87 ng/ul
RT: 14.32 min Scan# 1980
Delta R.T. -0.00 min
Lab File: BG017783.D
Acq: 6 Jul 2015 23:40

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.8	56.6
154	88.1	71.2	106.8





#53

Dibenzenofuran

Concen: 3.10 ng/ul

RT: 14.66 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

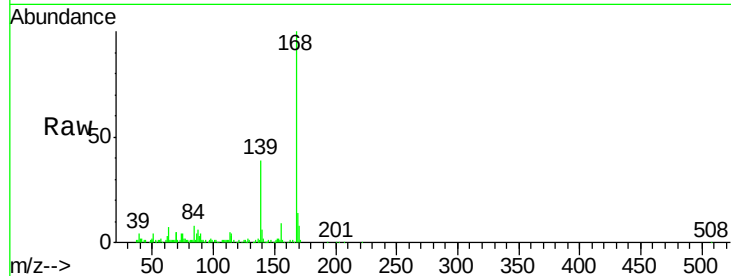
ClientSampleId :

Tgt Ion:168 Resp: 89216

Ion Ratio Lower Upper

168 100

139 38.9 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

60000

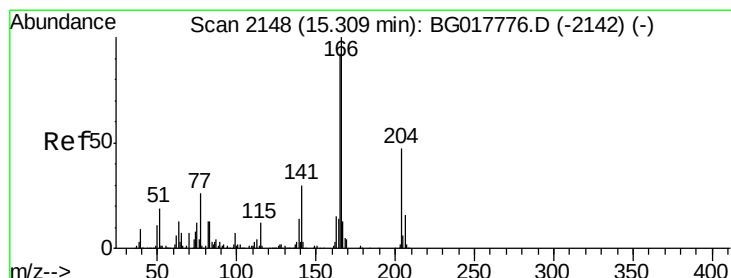
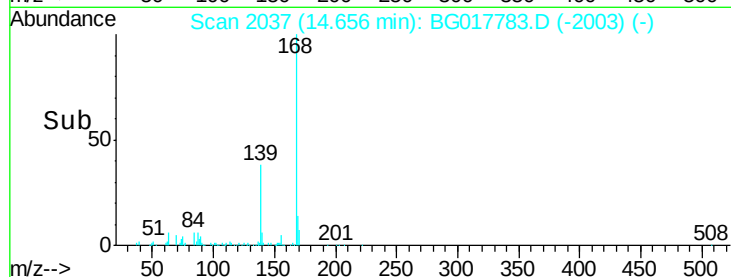
40000

20000

0

14.60 14.65 14.70

Time-->



#58

Fluorene

Concen: 4.58 ng/ul

RT: 15.31 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

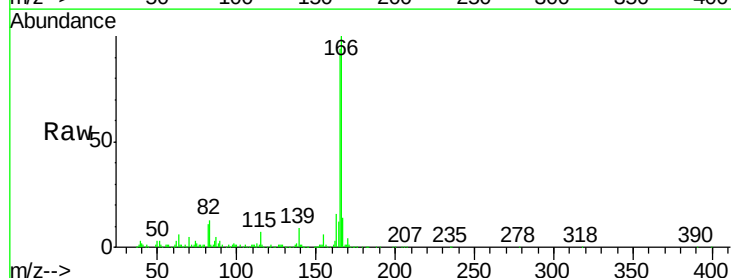
Tgt Ion:166 Resp: 116906

Ion Ratio Lower Upper

166 100

165 93.7 75.7 113.5

167 13.8 10.1 15.1



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

100000

80000

60000

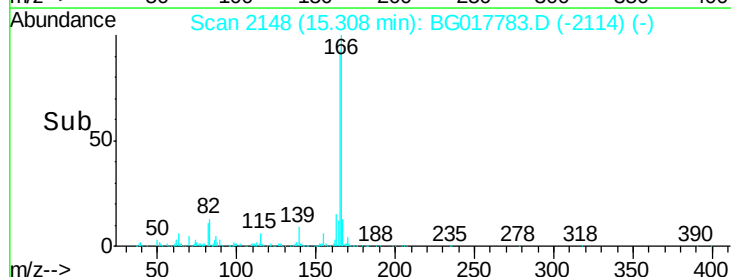
40000

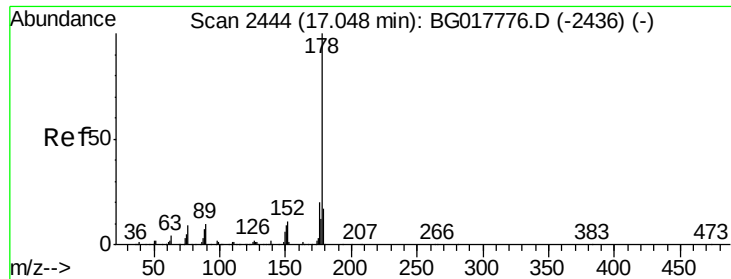
20000

0

15.25 15.30 15.35

Time-->





#69

Phenanthrene

Concen: 45.16 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampleId :

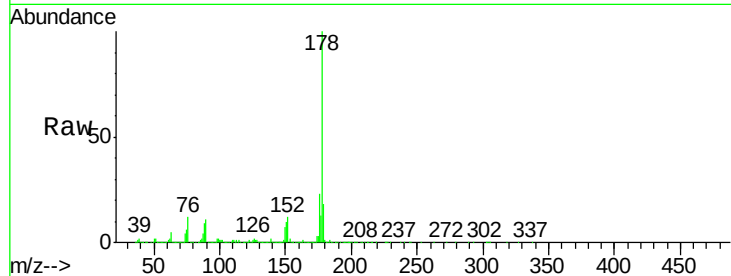
Tgt Ion:178 Resp: 1601818

Ion Ratio Lower Upper

178 100

179 18.5 13.0 19.4

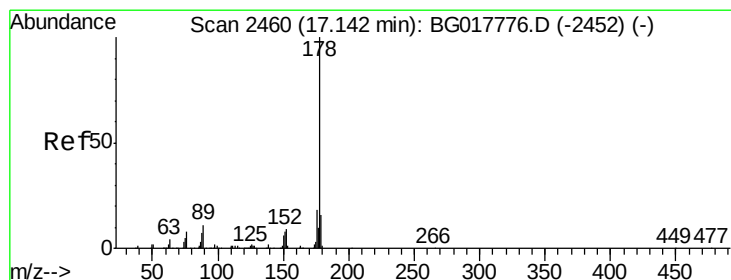
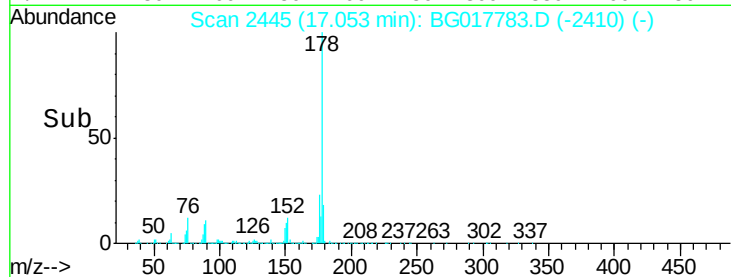
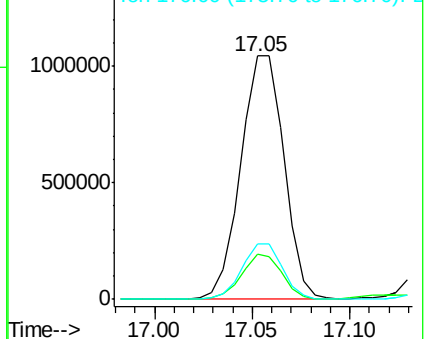
176 22.5 17.0 25.4



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: 11.05 ng/ul

RT: 17.15 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

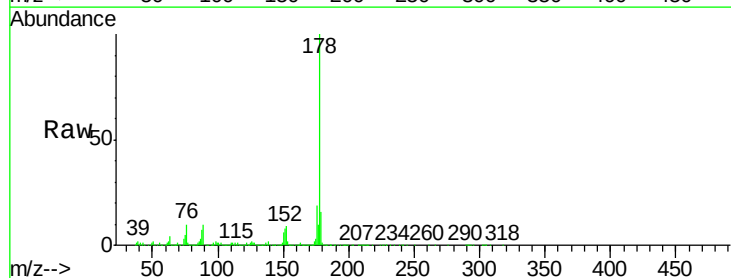
Tgt Ion:178 Resp: 403159

Ion Ratio Lower Upper

178 100

179 16.1 12.4 18.6

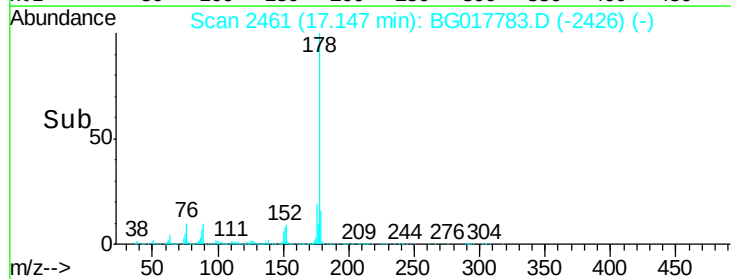
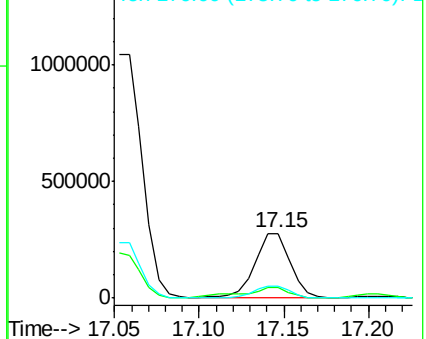
176 18.9 15.3 22.9

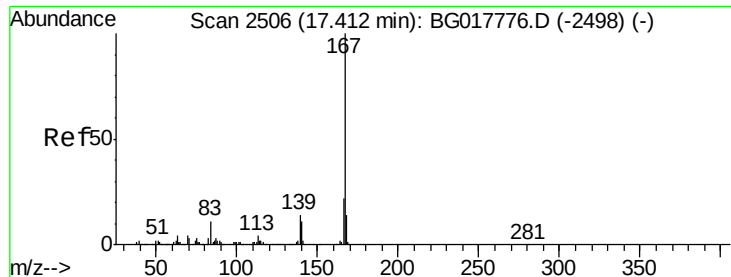


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

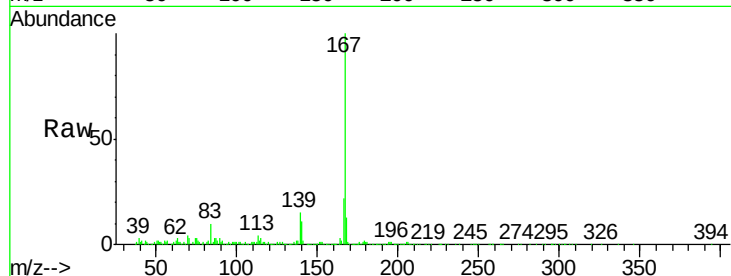




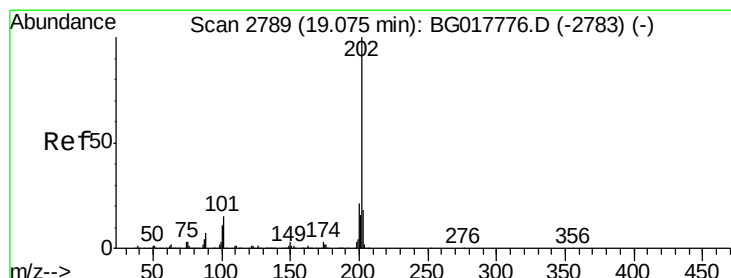
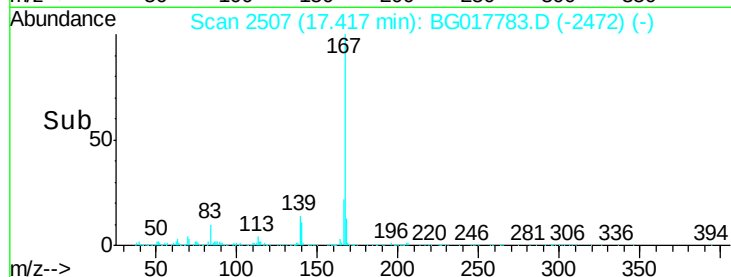
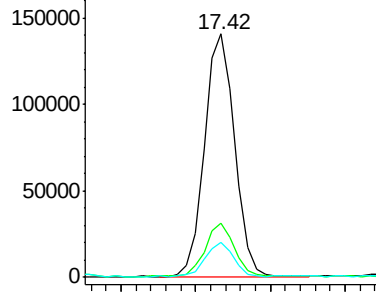
#74
 Carbazole
 Concen: 6.49 ng/ul
 RT: 17.42 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: BG017783.D
 Acq: 6 Jul 2015 23:40

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	14.5	11.4	17.0

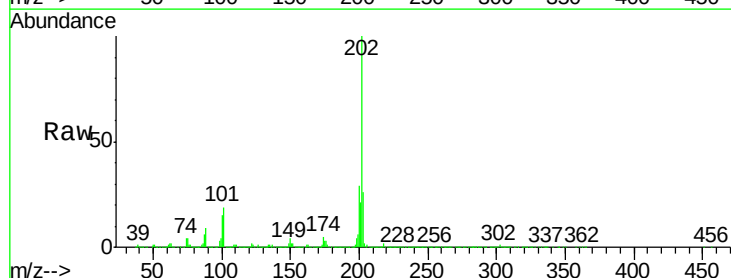


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

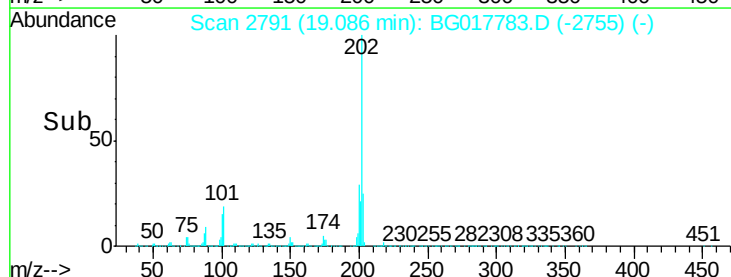
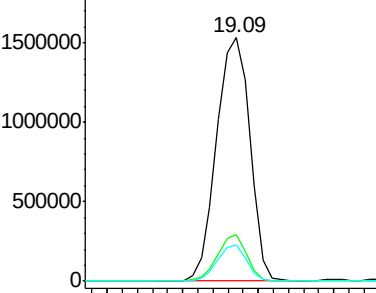


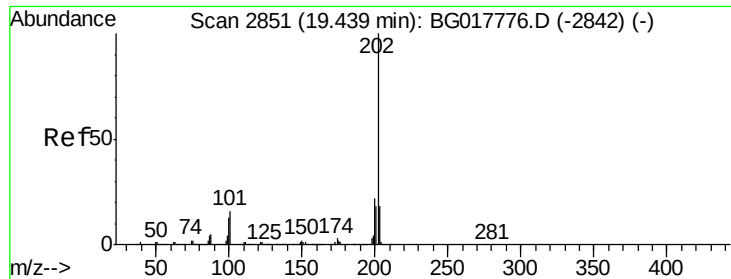
#76
 Fluoranthene
 Concen: 68.95 ng/ul m
 RT: 19.09 min Scan# 2791
 Delta R.T. 0.01 min
 Lab File: BG017783.D
 Acq: 6 Jul 2015 23:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.9	12.6	18.8#
100	14.8	9.1	13.7#



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





#79

Pyrene

Concen: 50.18 ng/ul

RT: 19.45 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampleId :

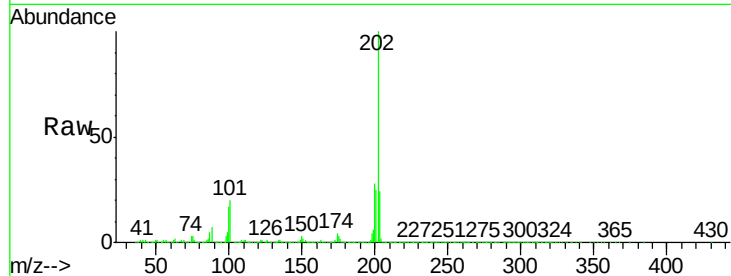
Tgt Ion:202 Resp: 2154577

Ion Ratio Lower Upper

202 100

101 19.9 13.1 19.7#

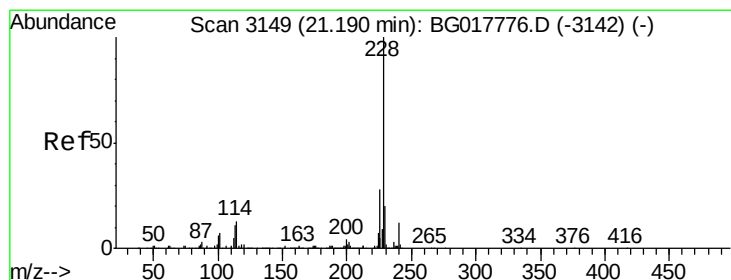
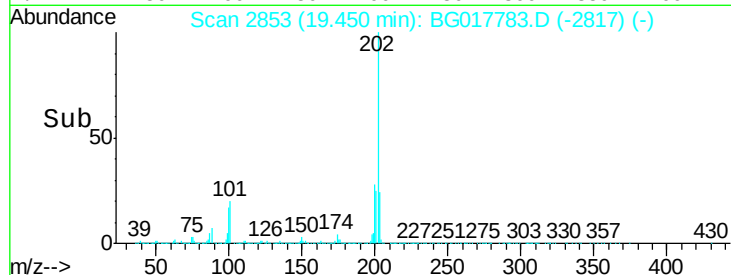
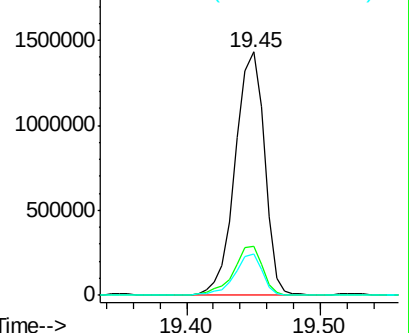
100 17.2 11.3 16.9#



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



#82

Benzo(a)anthracene

Concen: 30.99 ng/ul

RT: 21.20 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

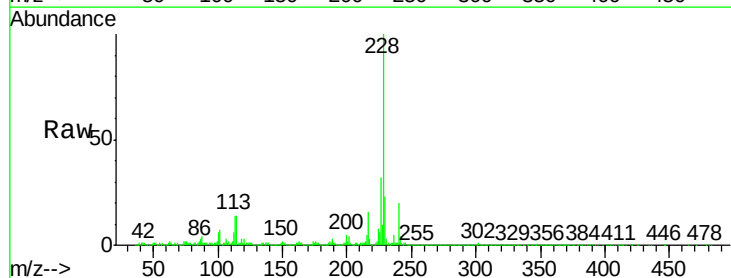
Tgt Ion:228 Resp: 1201454

Ion Ratio Lower Upper

228 100

229 22.9 15.8 23.8

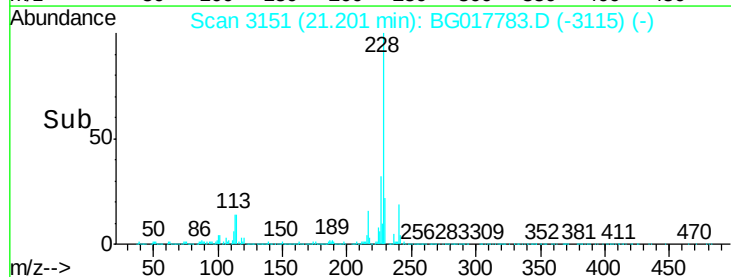
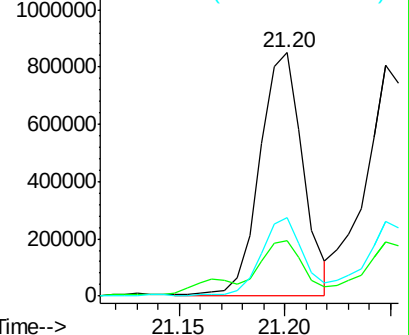
226 32.2 22.2 33.2

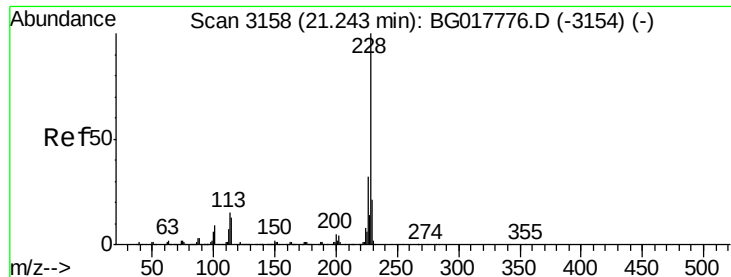


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 31.94 ng/ul

RT: 21.25 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampled :

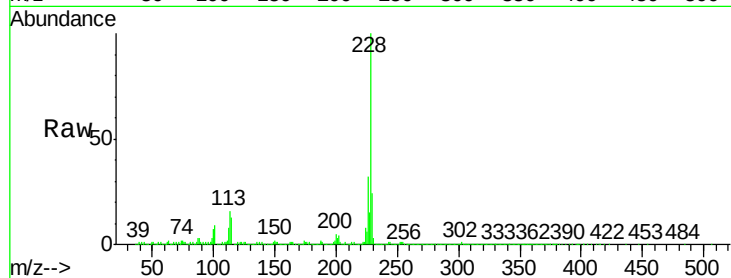
Tgt Ion:228 Resp: 1172913

Ion Ratio Lower Upper

228 100

226 32.3 25.6 38.4

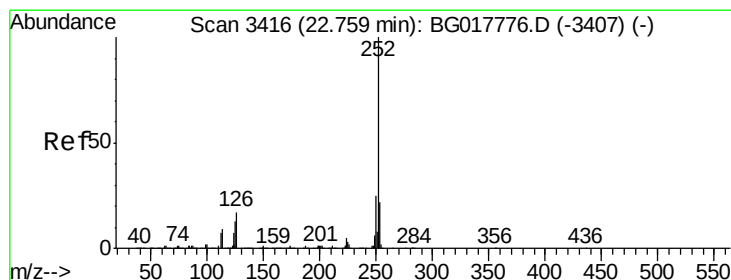
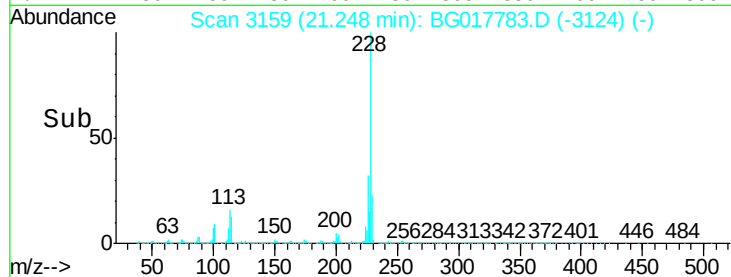
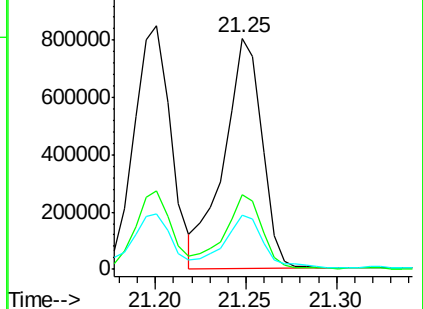
229 23.6 16.4 24.6



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



#87

Benzo(b)fluoranthene

Concen: 38.39 ng/ul

RT: 22.78 min Scan# 3419

Delta R.T. 0.02 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

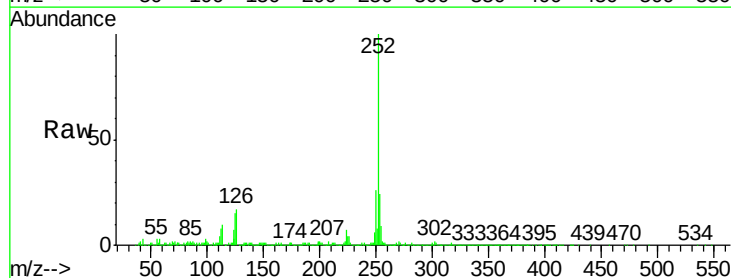
Tgt Ion:252 Resp: 1593729

Ion Ratio Lower Upper

252 100

253 24.1 16.8 25.2

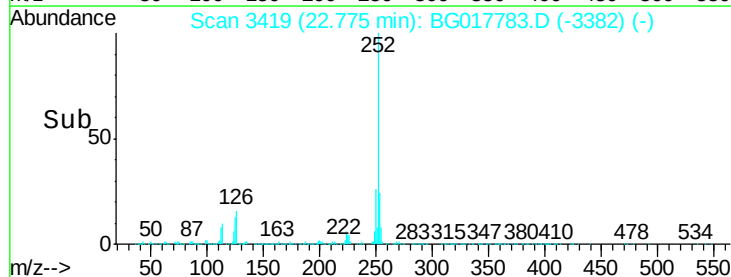
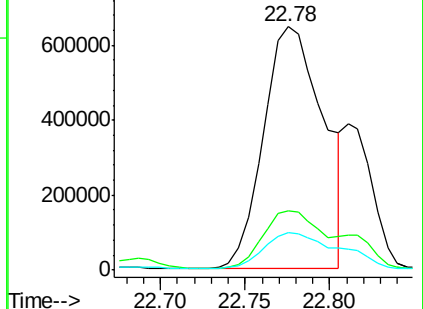
125 15.3 10.4 15.6

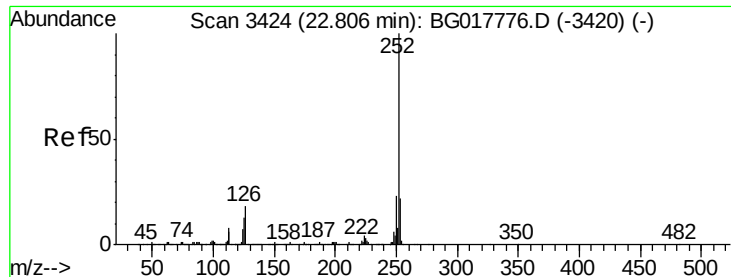


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 11.76 ng/ul m

RT: 22.81 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampleId :

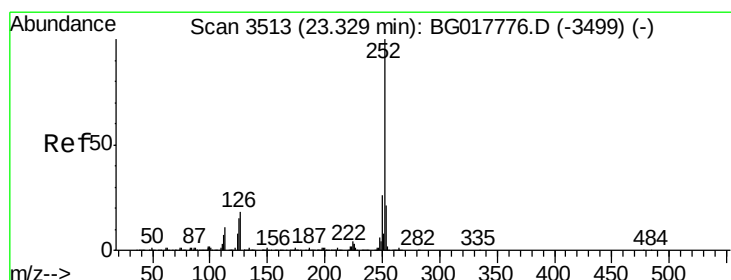
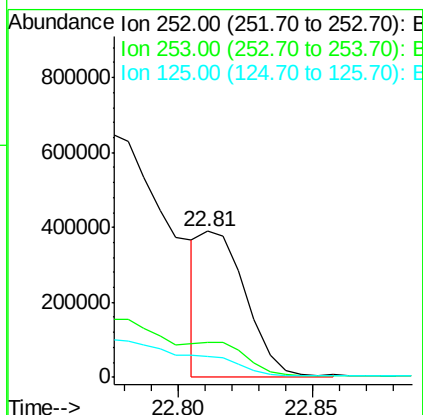
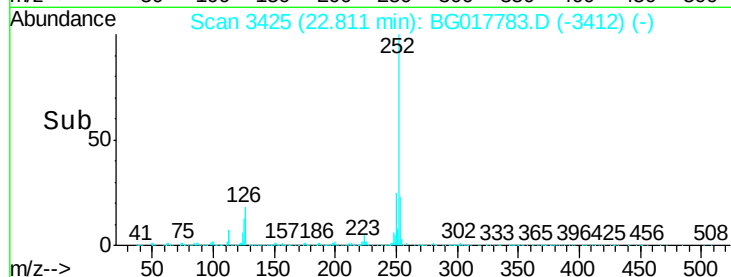
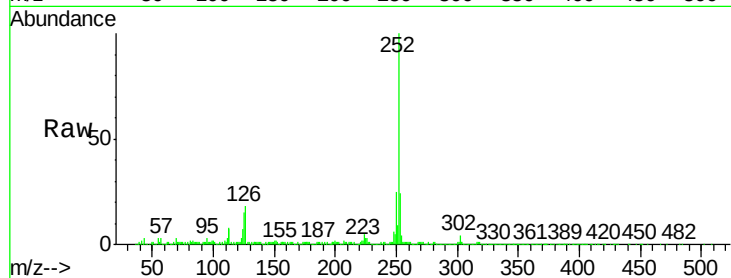
Tgt Ion:252 Resp: 460004

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

125 14.6 11.6 17.4



#90

Benzo(a)pyrene

Concen: 27.69 ng/ul

RT: 23.35 min Scan# 3516

Delta R.T. 0.02 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

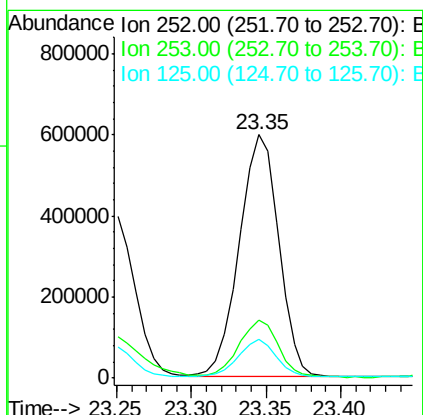
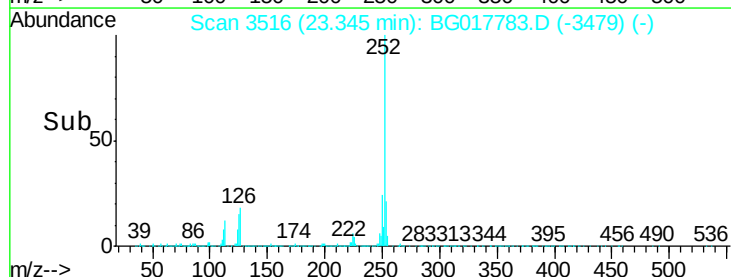
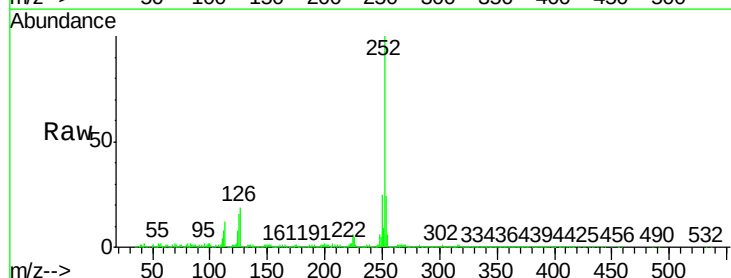
Tgt Ion:252 Resp: 1092694

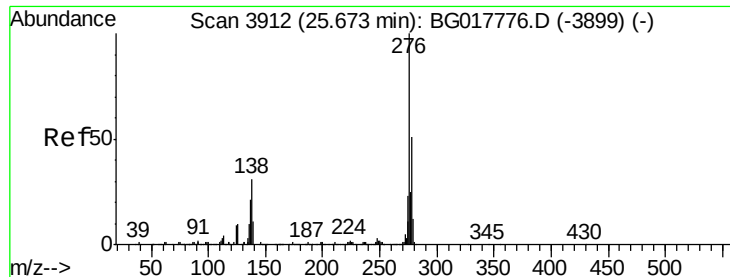
Ion Ratio Lower Upper

252 100

253 23.8 18.3 27.5

125 15.9 12.1 18.1





#91

Indeno(1,2,3-cd)pyrene

Concen: 16.56 ng/ul

RT: 25.70 min Scan# 3916

Delta R.T. 0.02 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampleId :

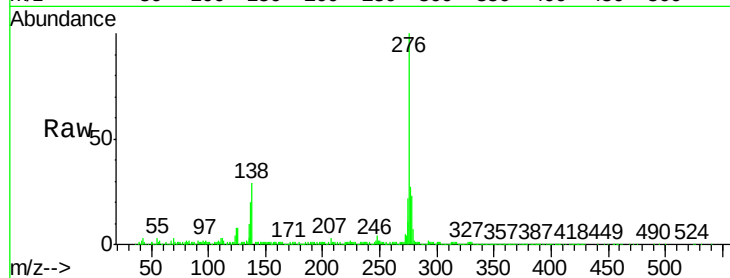
Tgt Ion:276 Resp: 713316

Ion Ratio Lower Upper

276 100

138 28.6 26.1 39.1

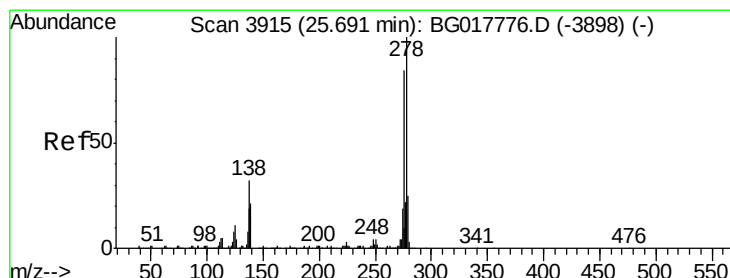
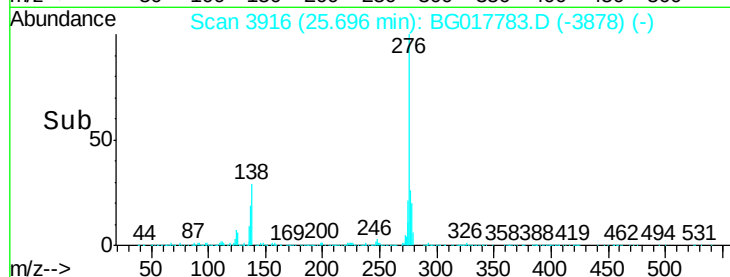
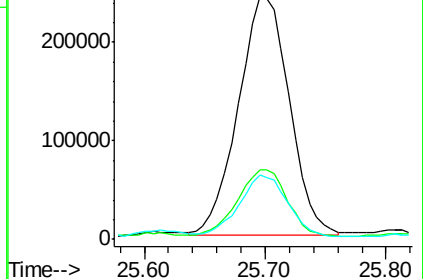
277 26.6 20.9 31.3



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



#92

Dibenzo(a,h)anthracene

Concen: 5.40 ng/ul

RT: 25.71 min Scan# 3918

Delta R.T. 0.02 min

Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

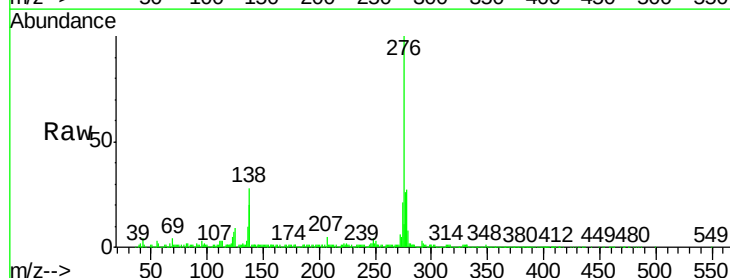
Tgt Ion:278 Resp: 196505

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

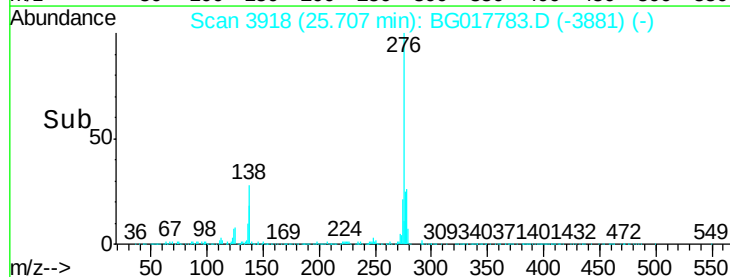
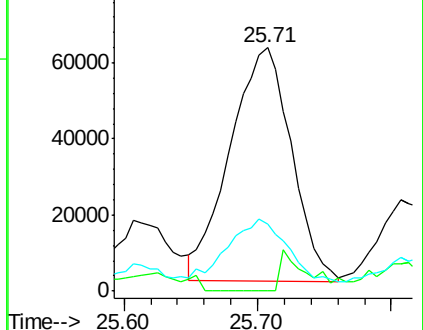
279 27.7 18.7 28.1

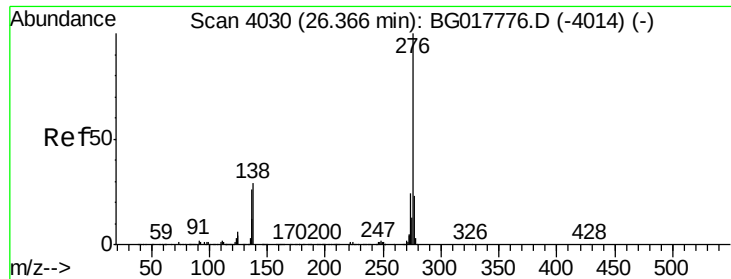


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(g,h,i)perylene

Concen: 14.44 ng/ul

RT: 26.39 min Scan# 4035

Delta R.T. 0.03 min

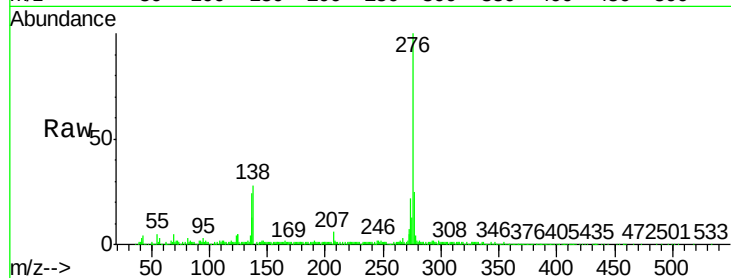
Lab File: BG017783.D

Acq: 6 Jul 2015 23:40

Instrument :

BNA_G

ClientSampleId :



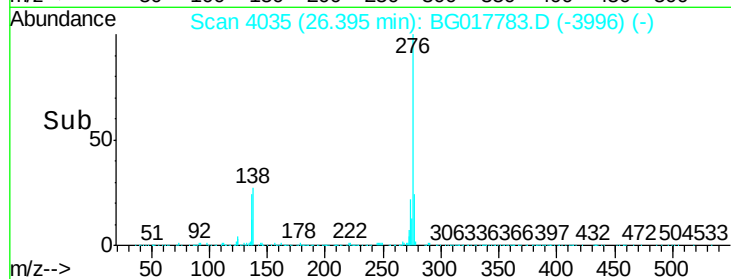
Tgt Ion: 276 Resp: 520411

Ion Ratio Lower Upper

276 100

138 28.3 25.1 37.7

277 25.1 18.7 28.1



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

