

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070615\
 Data File : BG017782.D
 Acq On : 6 Jul 2015 23:05
 Operator : TP/UM
 Sample : G2860-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G93J4

Quant Time: Jul 07 01:53:49 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	7.61	152	174928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	847561	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	540197	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	1038631	20.00	ng/ul	0.01
77) Chrysene-d12	21.22	240	1190045	20.00	ng/ul	0.02
85) Perylene-d12	23.46	264	1222216	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	7274	1.64	ng/uL	0.00
5) Phenol-d5	6.78	99	172939	11.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	100959	11.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	140493	11.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	146775	12.15	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	73661	11.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	78376	12.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	133483	11.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	151205	9.20	ng/ul	0.00
43) Dimethylphthalate-d6	13.67	166	385295	10.78	ng/ul	0.00
46) Acenaphthylene-d8	13.95	160	516896	10.73	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	64676	9.02	ng/ul	0.00
57) Fluorene-d10	15.26	176	378871	10.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	30632	6.36	ng/ul	0.01
70) Anthracene-d10	17.12	188	533741	11.28	ng/ul	0.01
78) Pyrene-d10	19.42	212	572400	10.12	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.31	264	525339	9.76	ng/ul	0.03

Target Compounds

						Qvalue
14) Acetophenone	8.42	105	35989	2.02	ng/ul	93
28) Naphthalene	10.44	128	865366	19.73	ng/ul	99
34) 2-Methylnaphthalene	12.05	142	320585	10.30	ng/ul	97
40) 1,1'-Biphenyl	13.09	154	126317	3.16	ng/ul	100
44) Dimethylphthalate	13.72	163	182403	4.59	ng/ul#	98
47) Acenaphthylene	13.98	152	210667	4.00	ng/ul#	93
49) Acenaphthene	14.33	153	877676	24.73	ng/ul	96
53) Dibenzofuran	14.66	168	976172	20.40	ng/ul	98
58) Fluorene	15.31	166	1159003	27.27	ng/ul#	98
60) 4-Nitroaniline	15.31	138	17234	1.65	ng/ul#	21
69) Phenanthrene	17.07	178	4870371	85.80	ng/ul#	39
71) Anthracene	17.15	178	2408012	41.24	ng/ul#	82
74) Carbazole	17.42	167	883434	18.17	ng/ul	100
76) Fluoranthene	19.23	202	90604	1.66	ng/ul	96
79) Pyrene	19.46	202	4796390	66.04	ng/ul#	46
82) Benzo(a)anthracene	21.21	228	3228928	49.24	ng/ul#	67
84) Chrysene	21.26	228	2830371	45.57	ng/ul#	71
87) Benzo(b)fluoranthene	22.79	252	3756432	53.77	ng/ul#	83
88) Benzo(k)fluoranthene	22.83	252	1353139	20.55	ng/ul#	90
90) Benzo(a)pyrene	23.37	252	2968496	44.71	ng/ul#	89
91) Indeno(1,2,3-cd)pyrene	25.73	276	1924302	26.55	ng/ul	96
92) Dibenzo(a,h)anthracene	25.73	278	529232	8.64	ng/ul#	74
93) Benzo(g,h,i)perylene	26.42	276	1196319	19.73	ng/ul	96

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

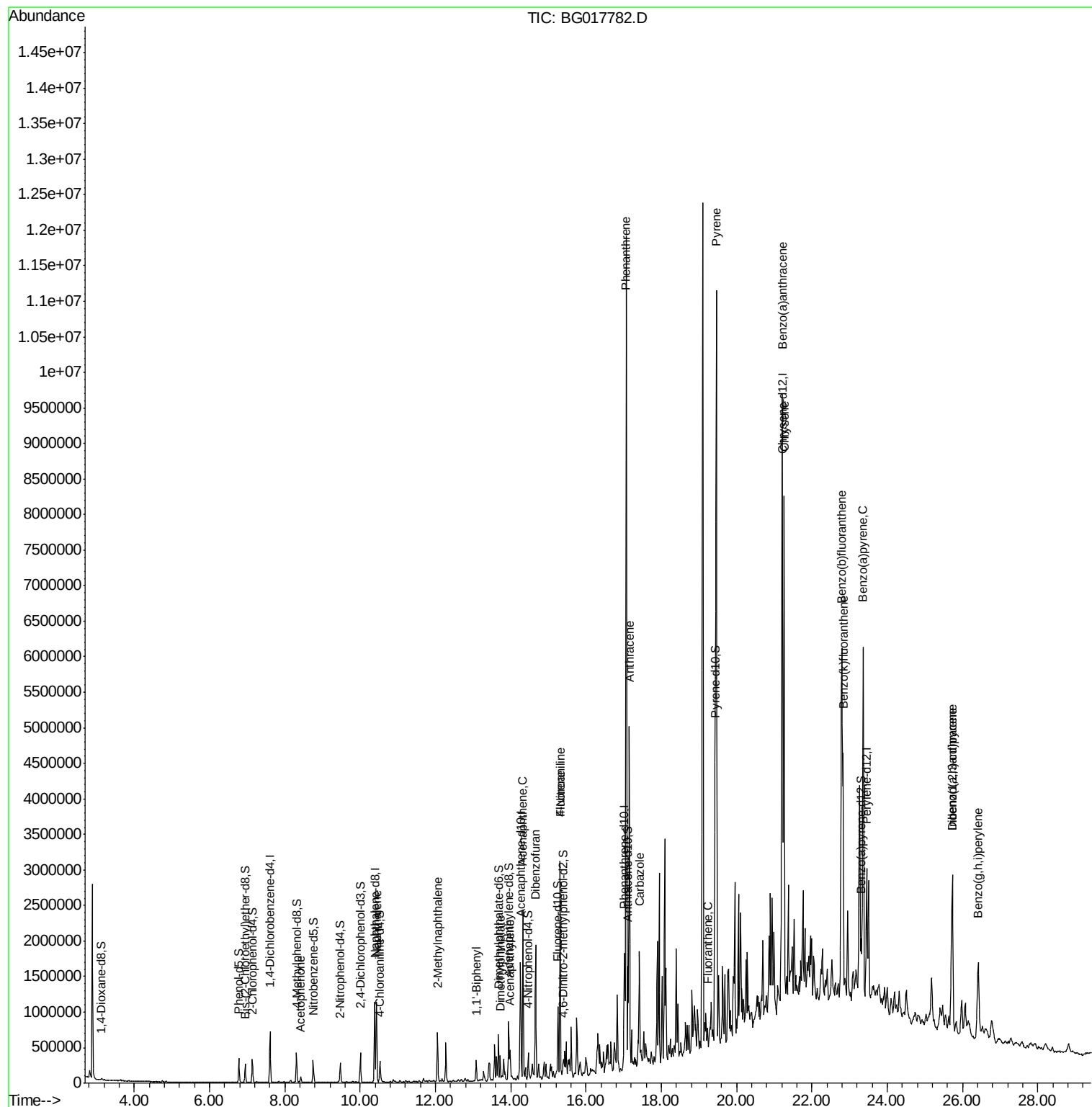
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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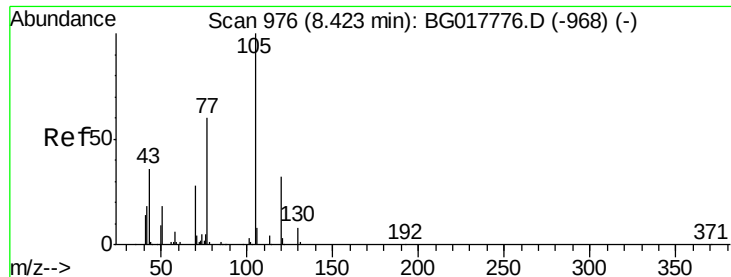
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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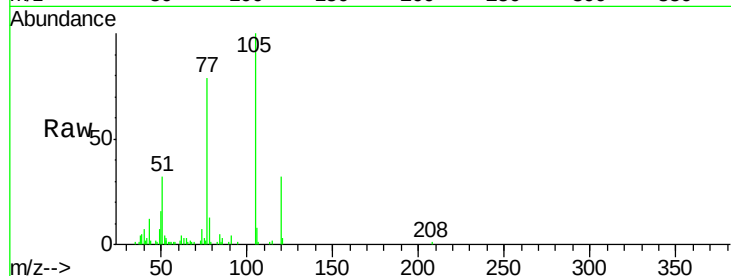




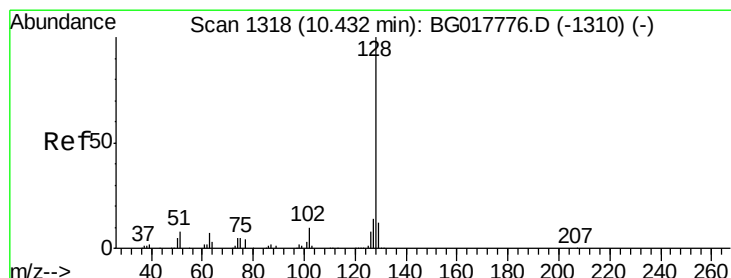
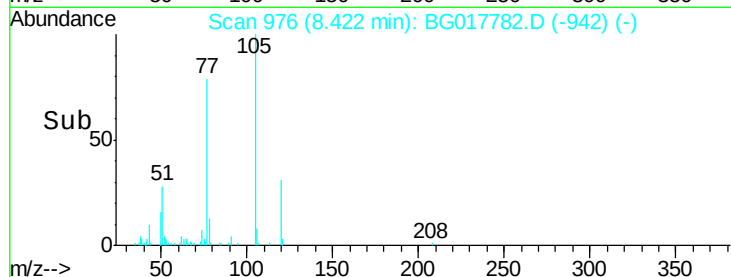
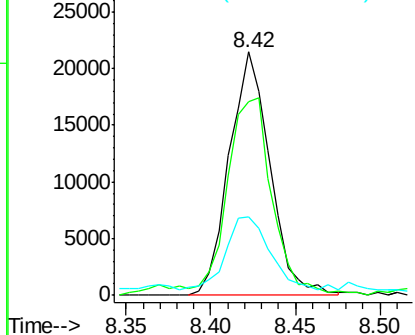
#14
Acetophenone
Concen: 2.02 ng/ul
RT: 8.42 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG017782.D
Acq: 6 Jul 2015 23:05

Instrument :
BNA_G
ClientSampleId :
G93J4

Tgt Ion	Ratio	Lower	Upper
105	100		
77	79.4	69.5	104.3
51	32.0	26.7	40.1

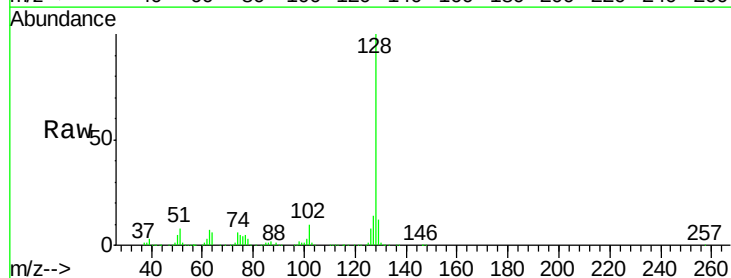


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

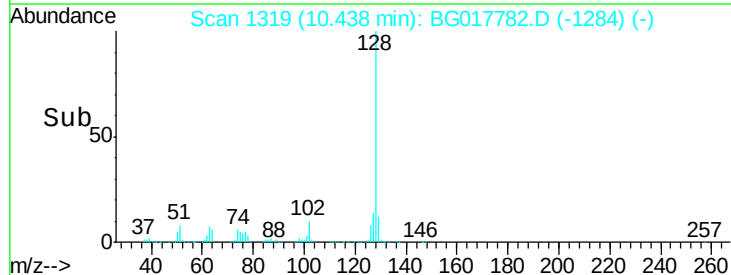
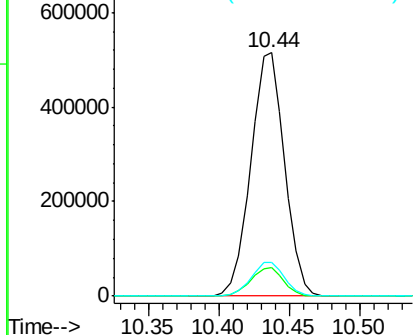


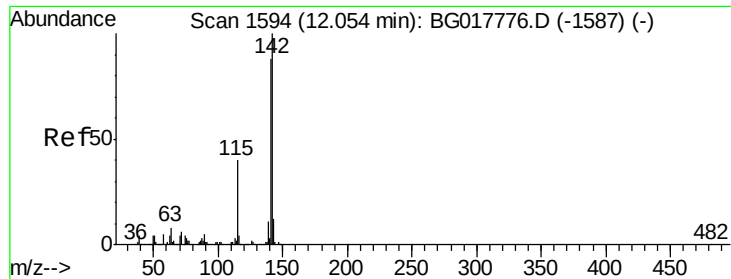
#28
Naphthalene
Concen: 19.73 ng/ul
RT: 10.44 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG017782.D
Acq: 6 Jul 2015 23:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.9	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

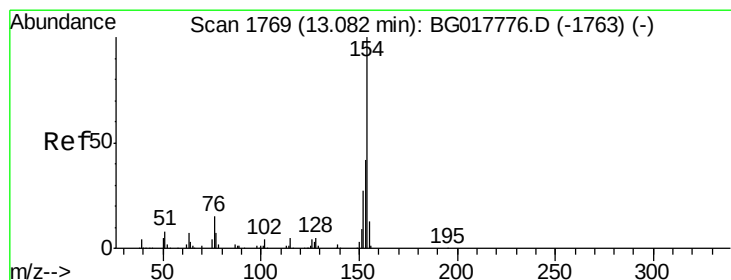
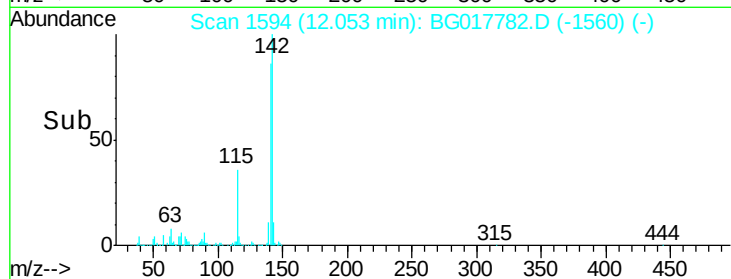
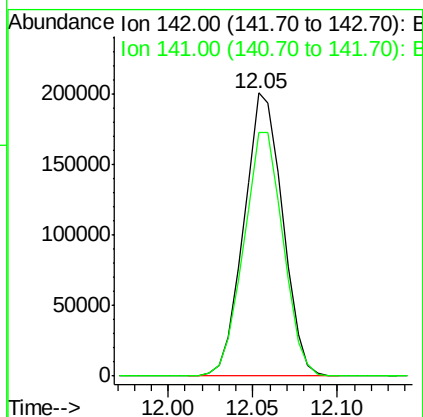
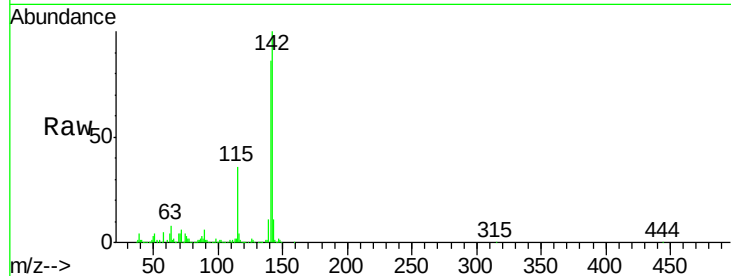




#34
 2-Methylnaphthalene
 Concen: 10.30 ng/ul
 RT: 12.05 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: BG017782.D
 Acq: 6 Jul 2015 23:05

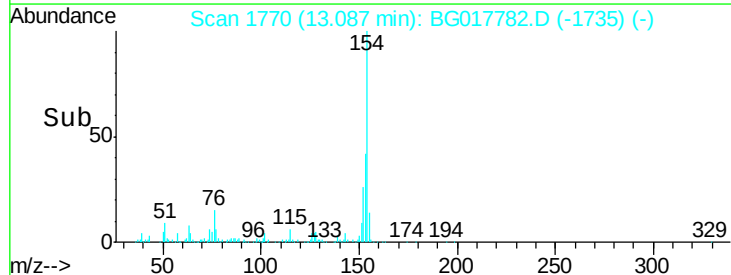
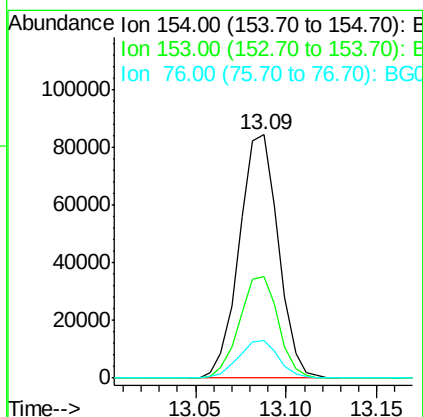
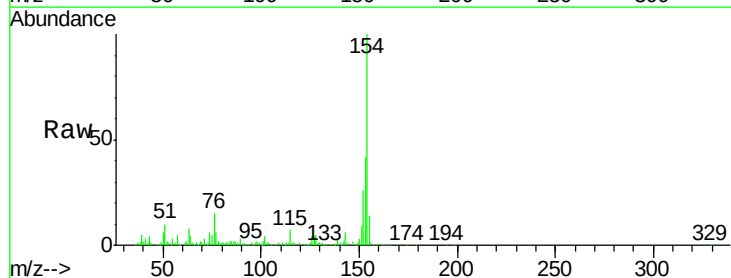
Instrument :
 BNA_G
 ClientSampleId :
 G93J4

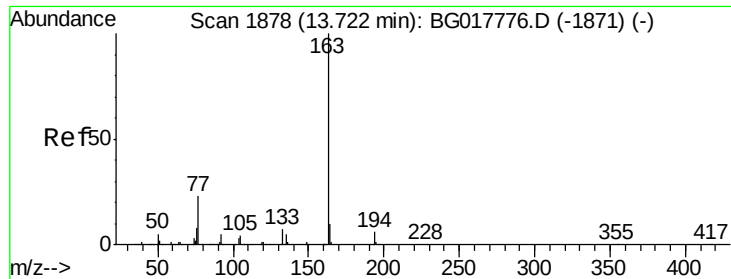
Tgt Ion:142 Resp: 320585
 Ion Ratio Lower Upper
 142 100
 141 86.3 66.6 100.0



#40
 1,1'-Biphenyl
 Concen: 3.16 ng/ul
 RT: 13.09 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BG017782.D
 Acq: 6 Jul 2015 23:05

Tgt Ion:154 Resp: 126317
 Ion Ratio Lower Upper
 154 100
 153 41.7 33.3 49.9
 76 15.2 12.4 18.6

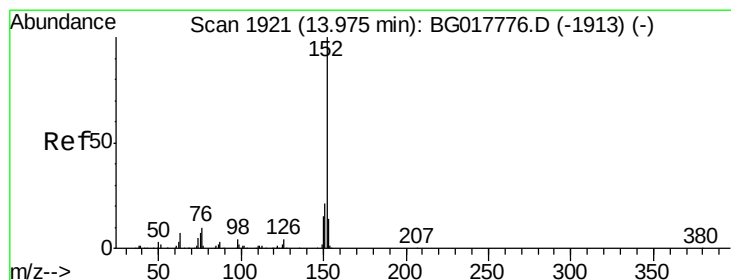
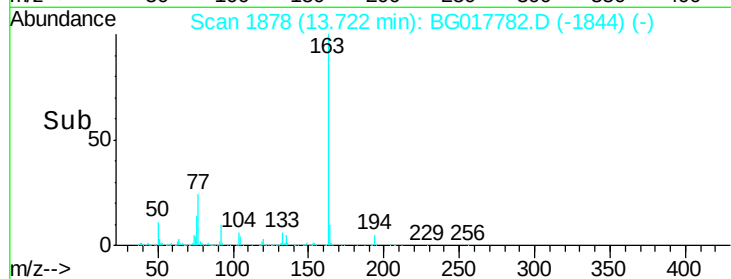
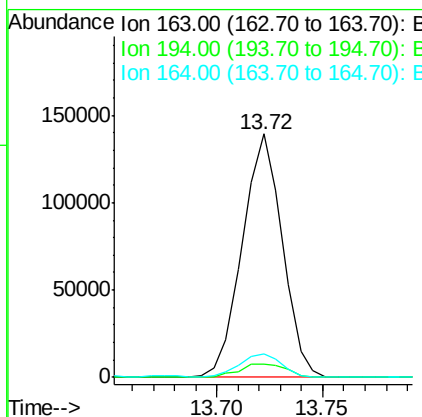
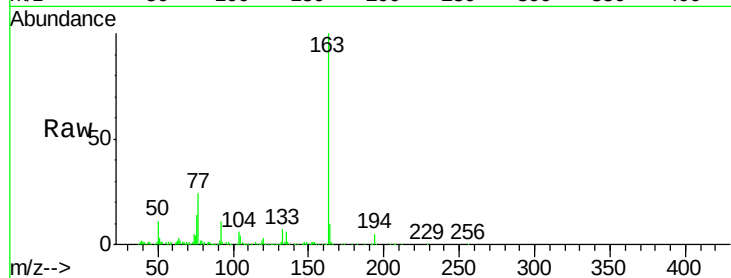




#44
Dimethylphthalate
Concen: 4.59 ng/ul
RT: 13.72 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BG017782.D
Acq: 6 Jul 2015 23:05

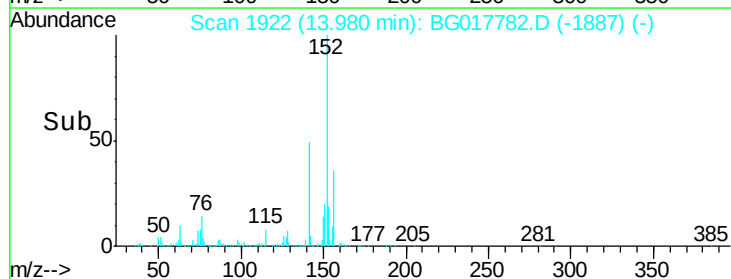
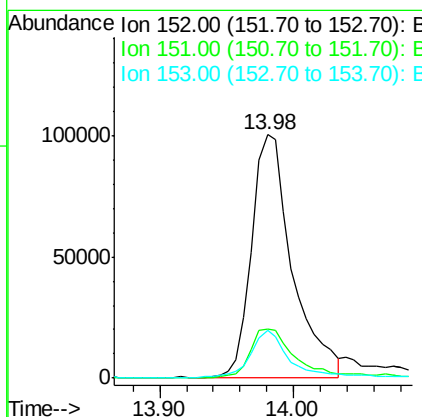
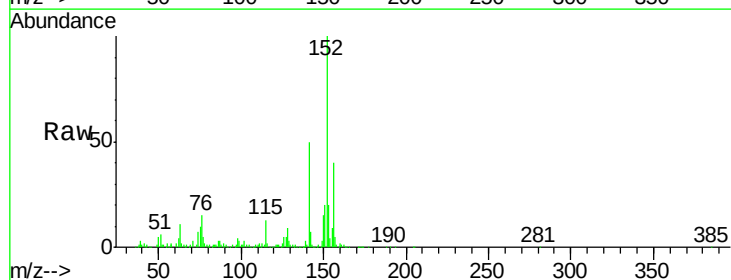
Instrument :
BNA_G
ClientSampleId :
G93J4

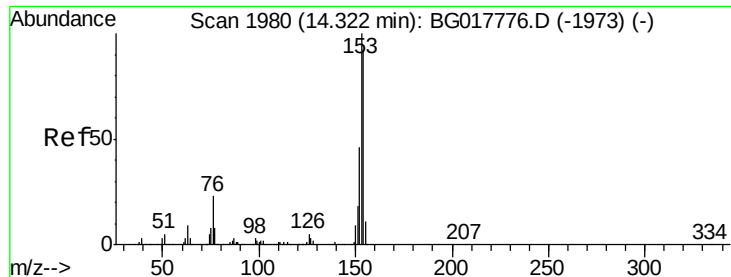
Tgt Ion:163 Resp: 182403
Ion Ratio Lower Upper
163 100
194 5.4 5.4 8.0#
164 9.5 7.7 11.5



#47
Acenaphthylene
Concen: 4.00 ng/ul
RT: 13.98 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BG017782.D
Acq: 6 Jul 2015 23:05

Tgt Ion:152 Resp: 210667
Ion Ratio Lower Upper
152 100
151 20.2 17.0 25.6
153 19.6 11.2 16.8#





#49

Acenaphthene

Concen: 24.73 ng/ul

RT: 14.33 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

Instrument :

BNA_G

ClientSampleId :

G93J4

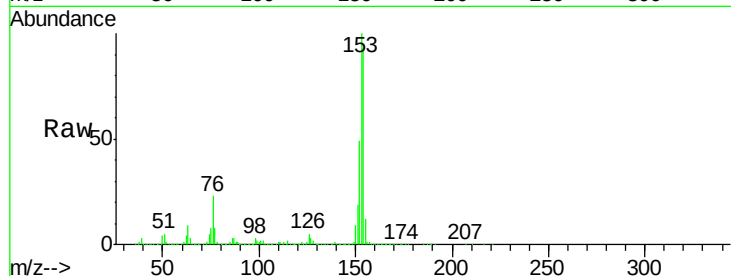
Tgt Ion:153 Resp: 877676

Ion Ratio Lower Upper

153 100

152 48.9 37.8 56.6

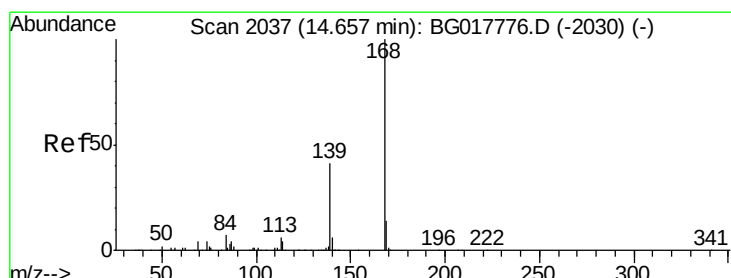
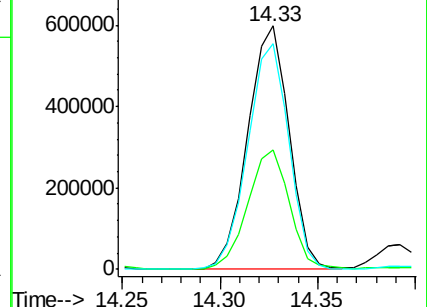
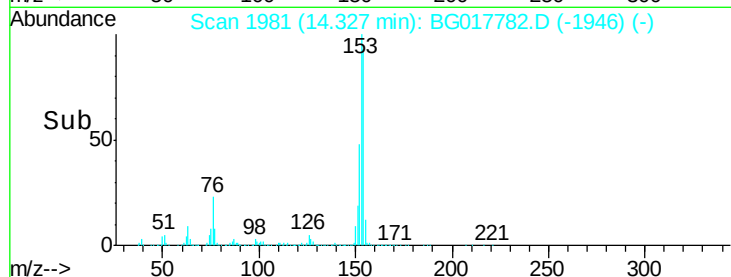
154 93.0 71.2 106.8



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: 20.40 ng/ul

RT: 14.66 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BG017782.D

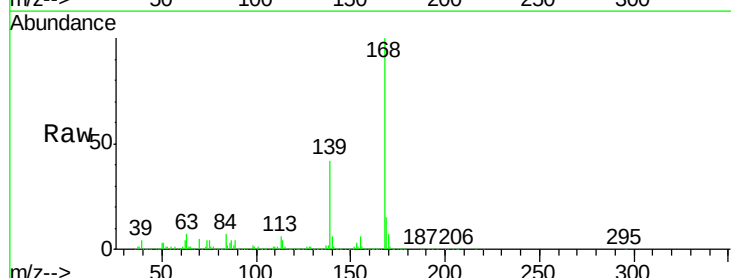
Acq: 6 Jul 2015 23:05

Tgt Ion:168 Resp: 976172

Ion Ratio Lower Upper

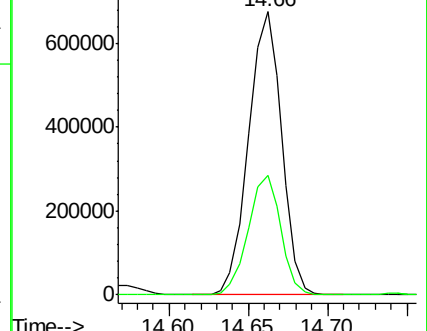
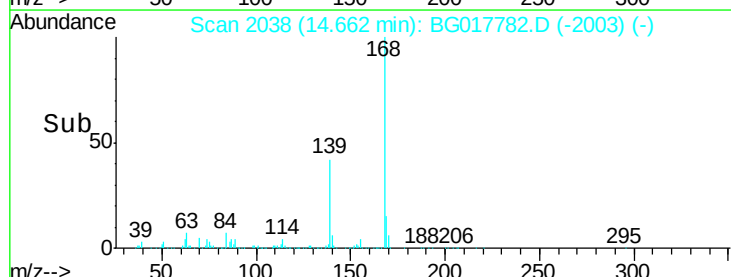
168 100

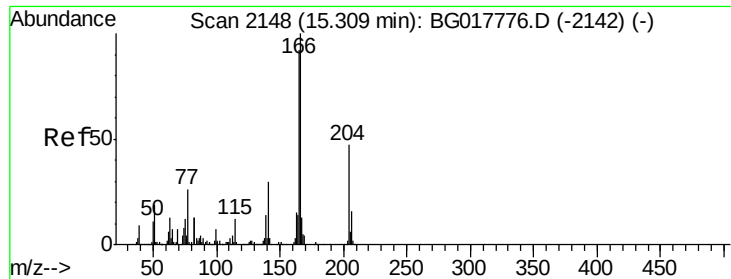
139 42.4 32.7 49.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 27.27 ng/ul

RT: 15.31 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

Instrument :

BNA_G

ClientSampleId :

G93J4

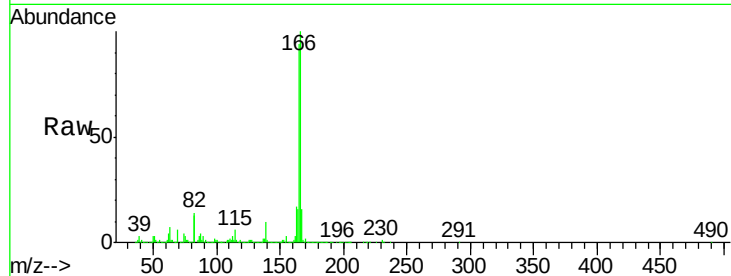
Tgt Ion:166 Resp: 1159003

Ion Ratio Lower Upper

166 100

165 93.7 75.7 113.5

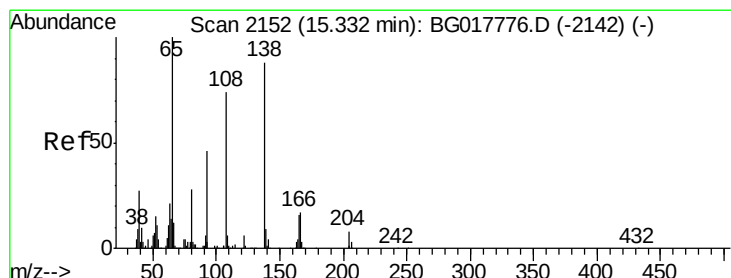
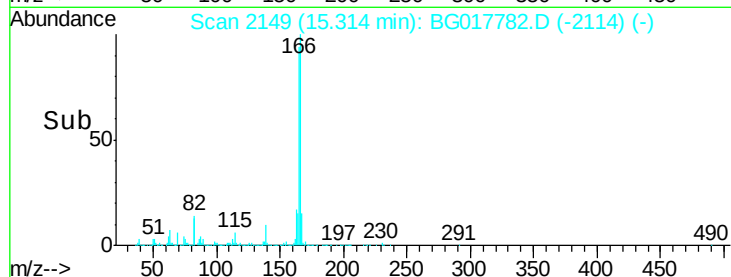
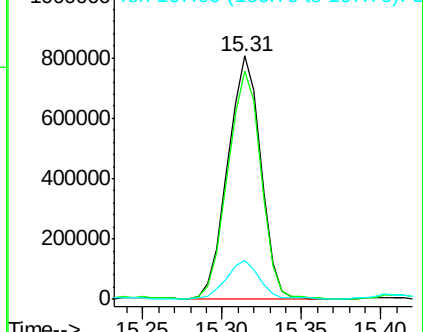
167 15.9 10.1 15.1#



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



#60

4-Nitroaniline

Concen: 1.65 ng/ul

RT: 15.31 min Scan# 2149

Delta R.T. -0.02 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

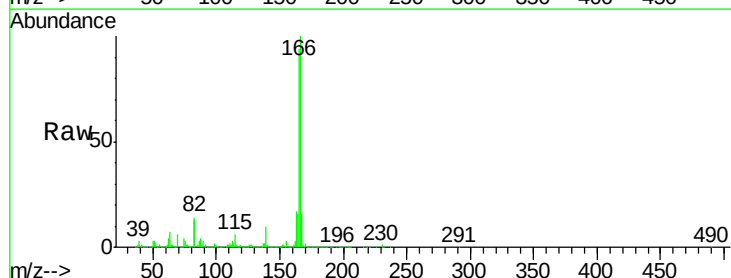
Tgt Ion:138 Resp: 17234

Ion Ratio Lower Upper

138 100

92 5.0 43.4 65.0#

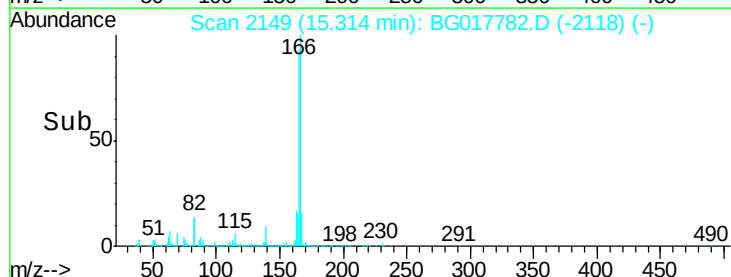
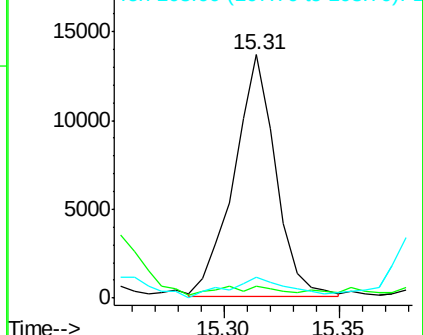
108 8.7 70.8 106.2#

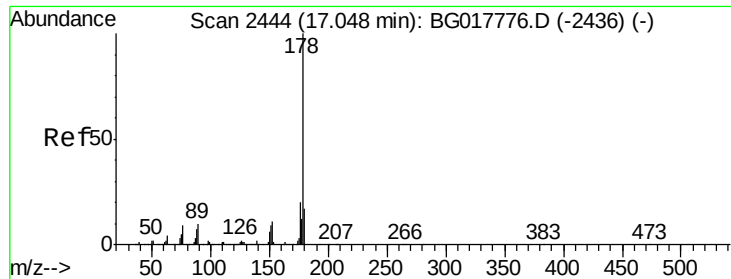


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 85.80 ng/ul

RT: 17.07 min Scan# 2448

Delta R.T. 0.02 min

Lab File: BG017782.D

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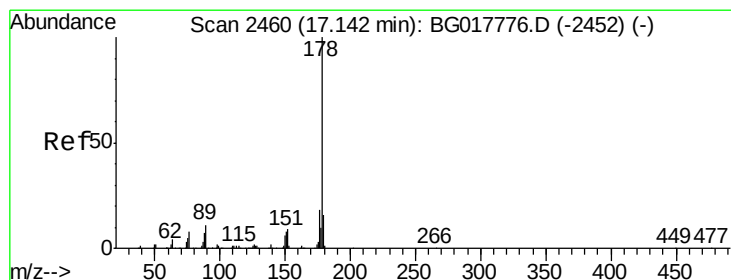
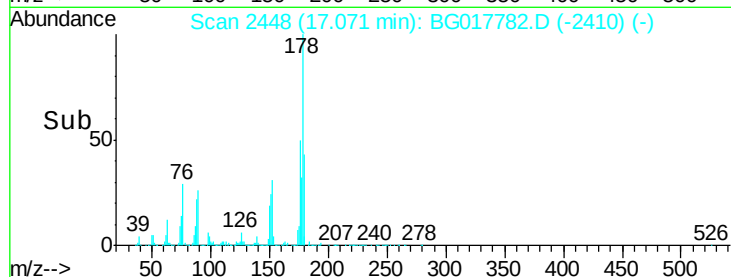
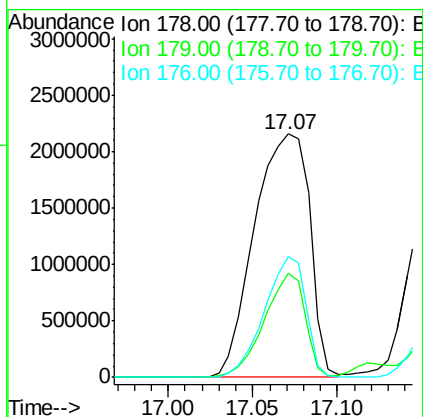
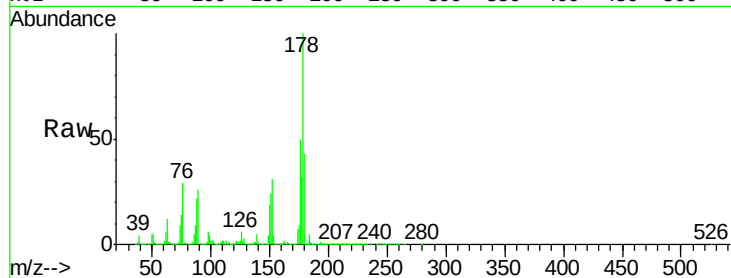
Tgt Ion:178 Resp: 4870371

Ion Ratio Lower Upper

178 100

179 42.9 13.0 19.4#

176 49.6 17.0 25.4#



#71

Anthracene

Concen: 41.24 ng/ul

RT: 17.15 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

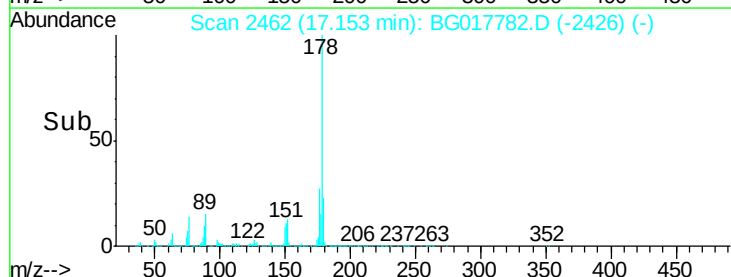
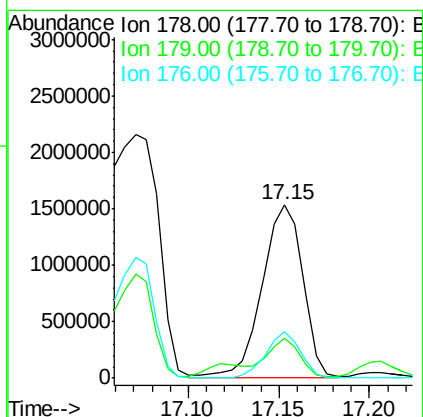
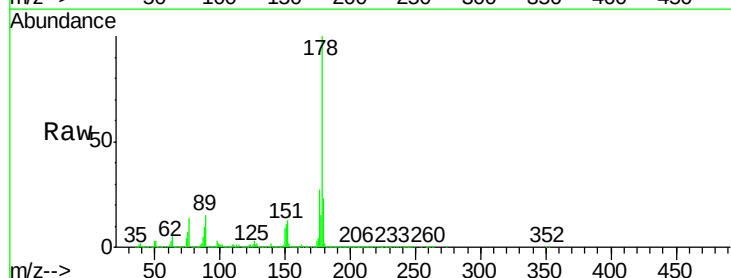
Tgt Ion:178 Resp: 2408012

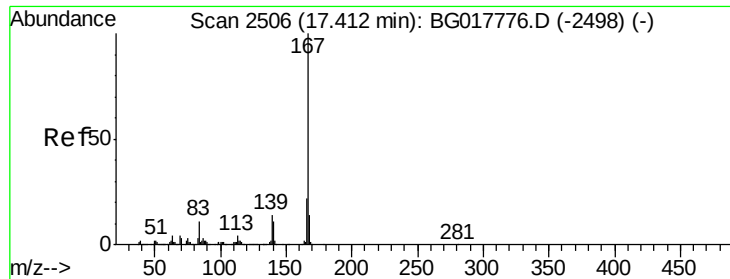
Ion Ratio Lower Upper

178 100

179 23.1 12.4 18.6#

176 27.1 15.3 22.9#





#74

Carbazole

Concen: 18.17 ng/ul

RT: 17.42 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

Instrument :

BNA_G

ClientSampleId :

G93J4

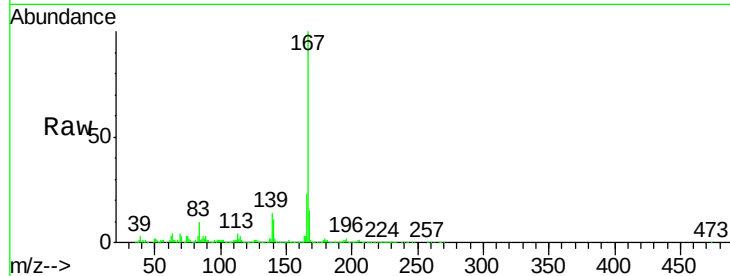
Tgt Ion:167 Resp: 883434

Ion Ratio Lower Upper

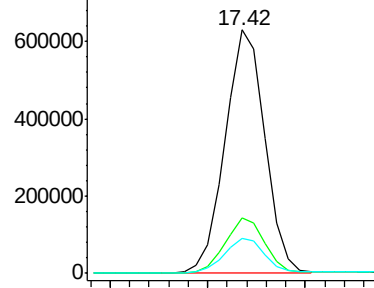
167 100

166 22.8 18.0 27.0

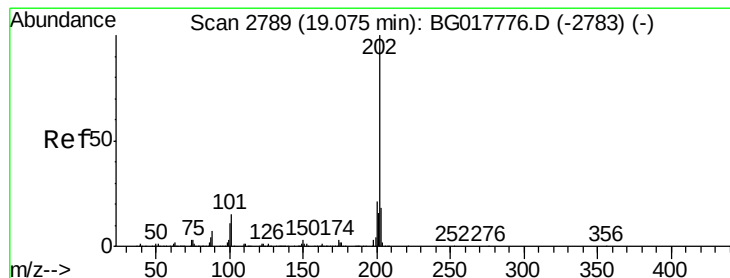
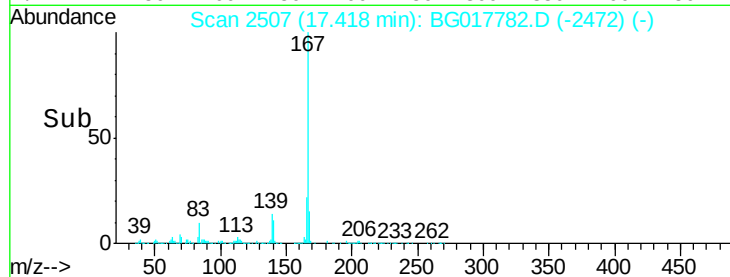
139 14.2 11.4 17.0



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



Time--> 17.35 17.40 17.45



#76

Fluoranthene

Concen: 1.66 ng/ul

RT: 19.23 min Scan# 2816

Delta R.T. 0.16 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

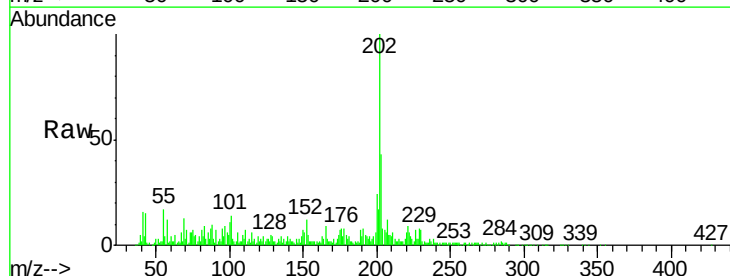
Tgt Ion:202 Resp: 90604

Ion Ratio Lower Upper

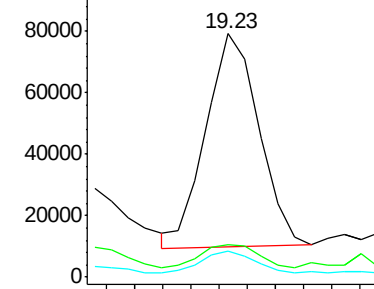
202 100

101 13.5 12.6 18.8

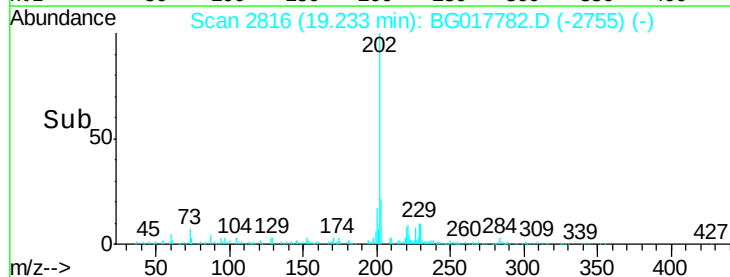
100 10.6 9.1 13.7

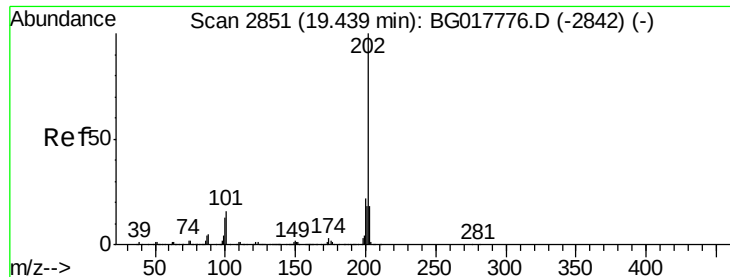


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.20 19.25

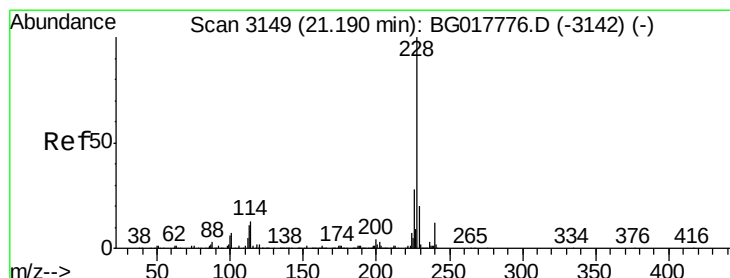
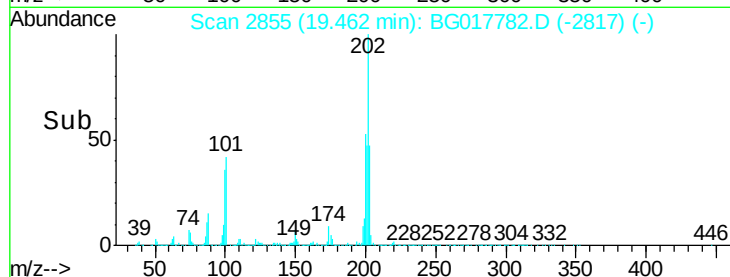
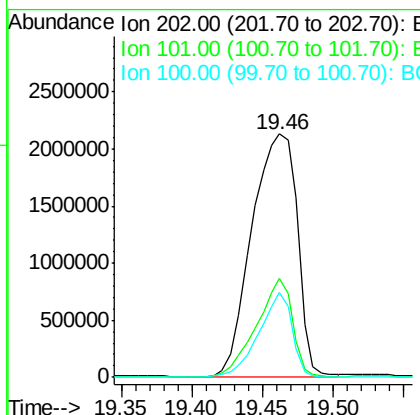
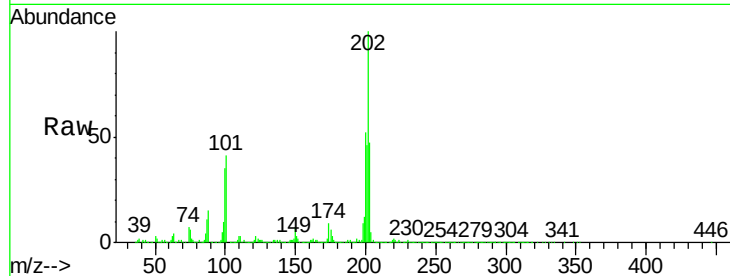




#79
 Pyrene
 Concen: 66.04 ng/ul
 RT: 19.46 min Scan# 2855
 Delta R.T. 0.02 min
 Lab File: BG017782.D
 Acq: 6 Jul 2015 23:05

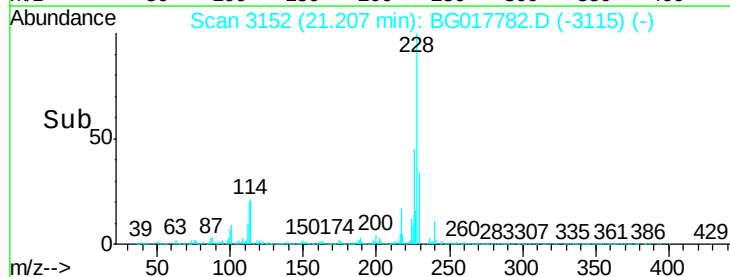
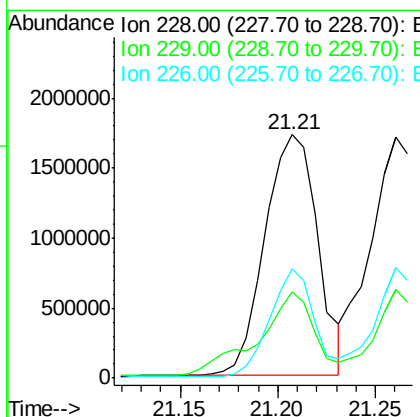
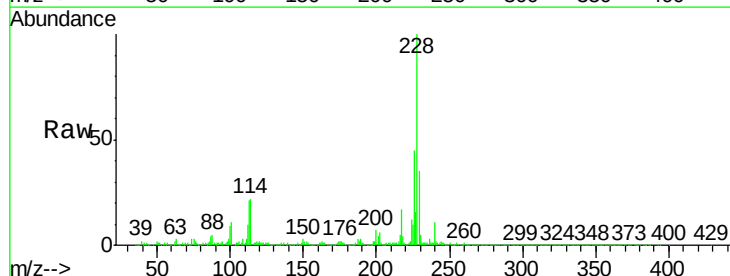
Instrument :
 BNA_G
 ClientSampled :
 G93J4

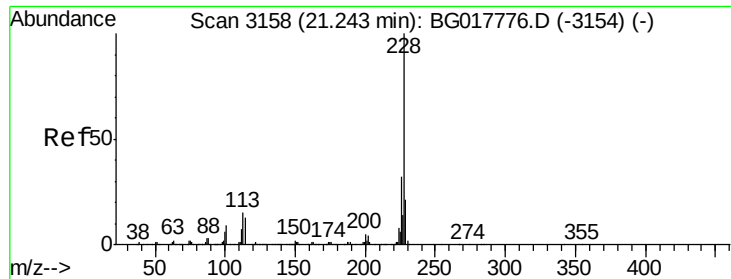
Tgt Ion:202 Resp: 4796390
 Ion Ratio Lower Upper
 202 100
 101 40.9 13.1 19.7#
 100 34.7 11.3 16.9#



#82
 Benzo(a)anthracene
 Concen: 49.24 ng/ul
 RT: 21.21 min Scan# 3152
 Delta R.T. 0.02 min
 Lab File: BG017782.D
 Acq: 6 Jul 2015 23:05

Tgt Ion:228 Resp: 3228928
 Ion Ratio Lower Upper
 228 100
 229 35.3 15.8 23.8#
 226 45.0 22.2 33.2#

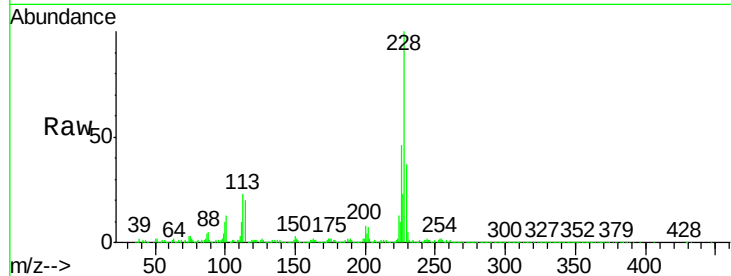




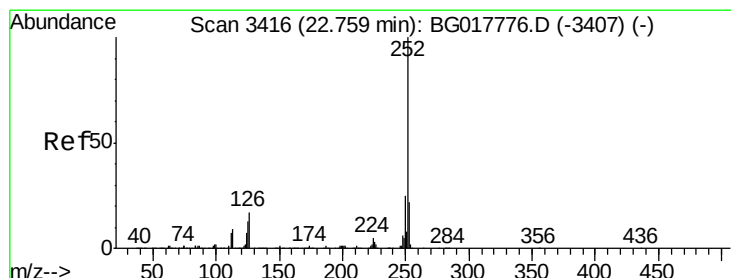
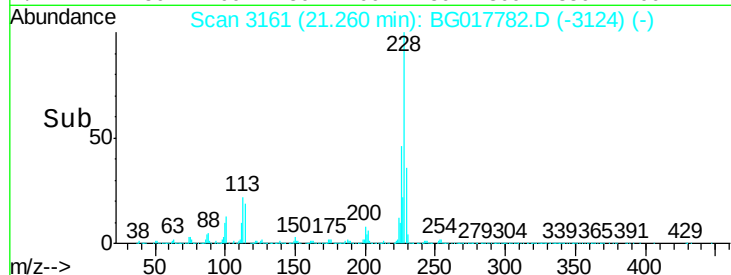
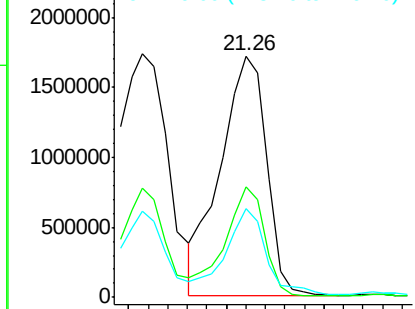
#84
Chrysene
 Concen: 45.57 ng/ul
 RT: 21.26 min Scan# 3161
 Delta R.T. 0.02 min
 Lab File: BG017782.D
 Acq: 6 Jul 2015 23:05

Instrument :
 BNA_G
 ClientSampleId :
 G93J4

Tgt Ion:228 Resp: 2830371
 Ion Ratio Lower Upper
 228 100
 226 45.8 25.6 38.4#
 229 36.5 16.4 24.6#

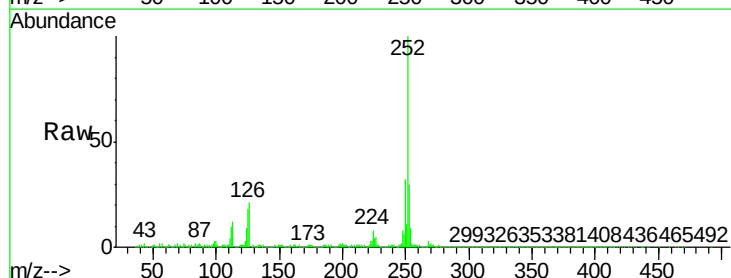


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

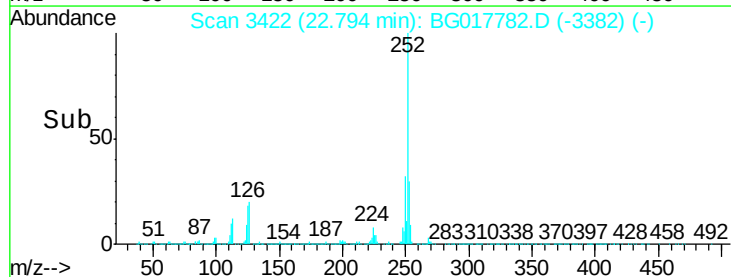
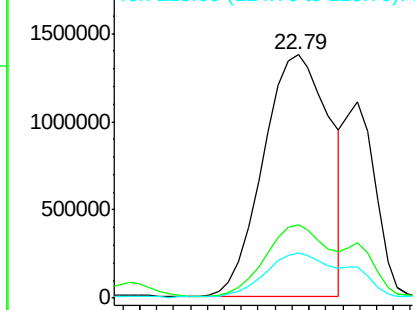


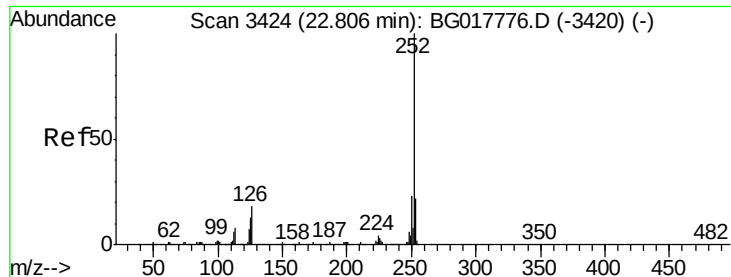
#87
Benzo(b)fluoranthene
 Concen: 53.77 ng/ul
 RT: 22.79 min Scan# 3422
 Delta R.T. 0.03 min
 Lab File: BG017782.D
 Acq: 6 Jul 2015 23:05

Tgt Ion:252 Resp: 3756432
 Ion Ratio Lower Upper
 252 100
 253 30.3 16.8 25.2#
 125 18.4 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: 20.55 ng/ul

RT: 22.83 min Scan# 3428

Delta R.T. 0.02 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

Instrument :

BNA_G

ClientSampleId :

G93J4

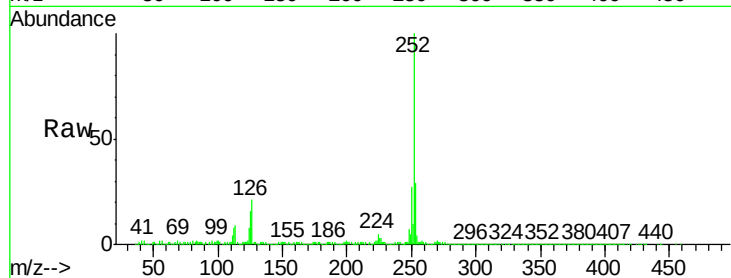
Tgt Ion:252 Resp: 1353139

Ion Ratio Lower Upper

252 100

253 28.5 17.6 26.4#

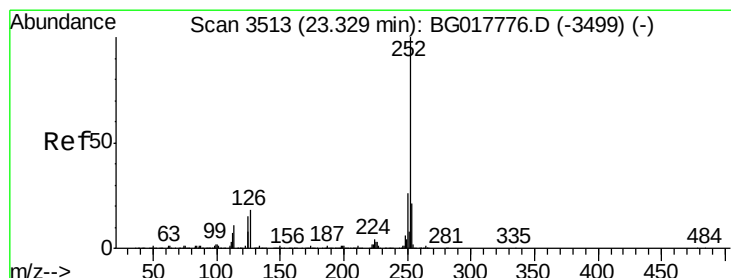
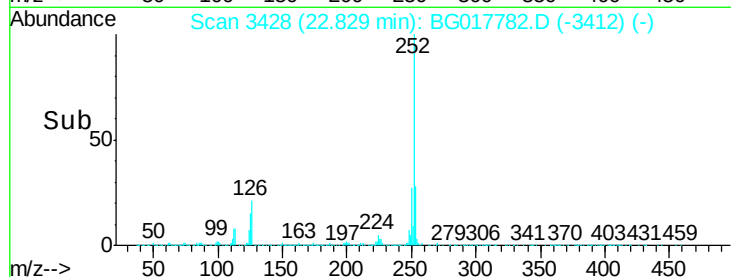
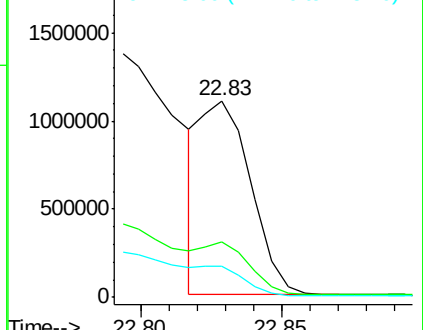
125 15.9 11.6 17.4



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



#90

Benzo(a)pyrene

Concen: 44.71 ng/ul

RT: 23.37 min Scan# 3520

Delta R.T. 0.04 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

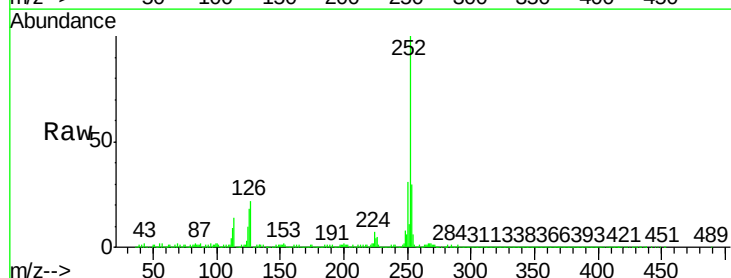
Tgt Ion:252 Resp: 2968496

Ion Ratio Lower Upper

252 100

253 30.2 18.3 27.5#

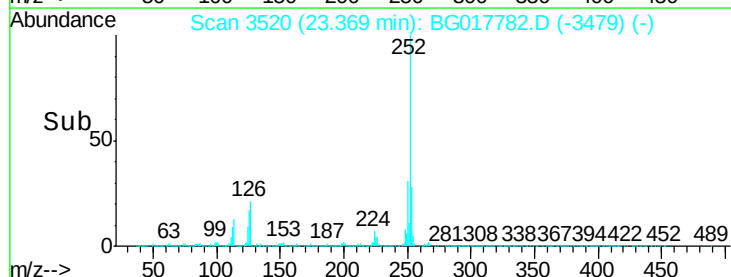
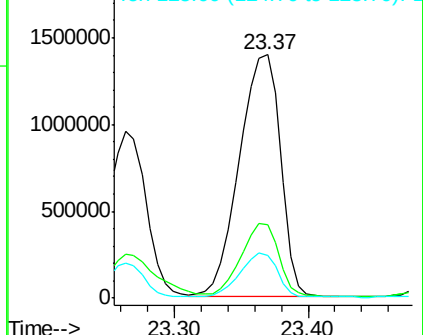
125 17.5 12.1 18.1

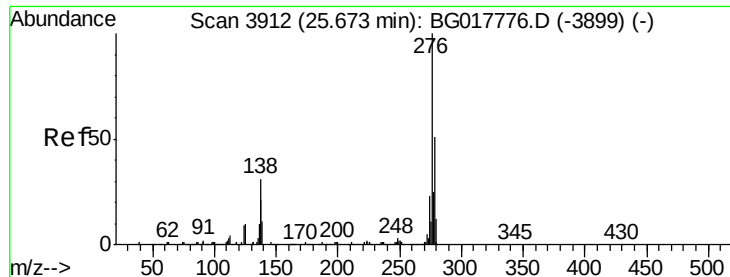


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 26.55 ng/ul

RT: 25.73 min Scan# 3922

Delta R.T. 0.06 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

Instrument :

BNA_G

ClientSampleId :

G93J4

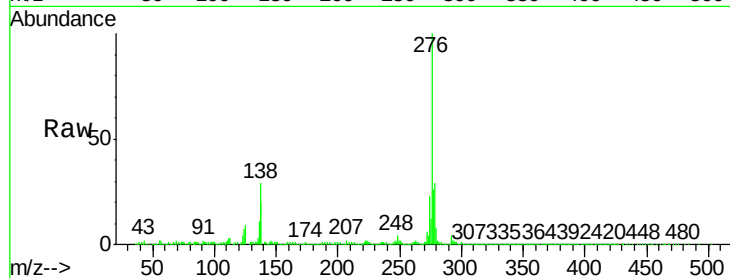
Tgt Ion:276 Resp: 1924302

Ion Ratio Lower Upper

276 100

138 28.9 26.1 39.1

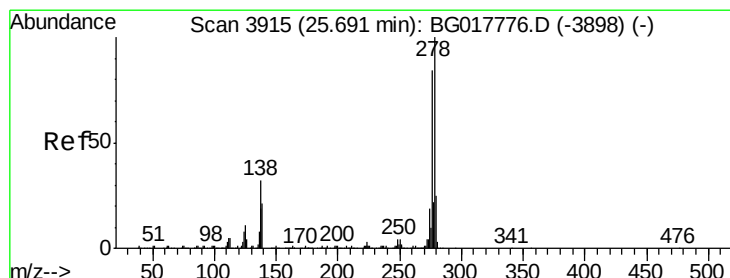
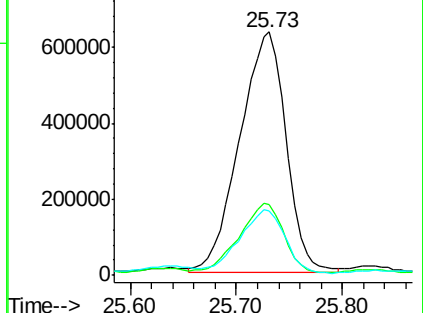
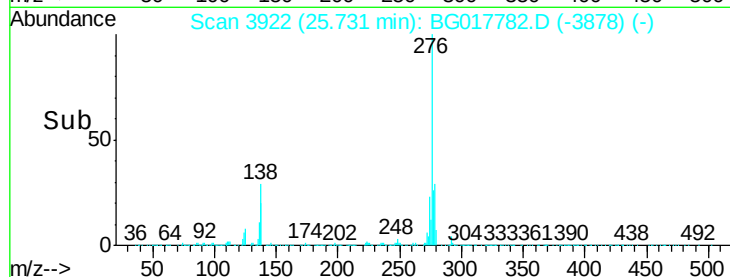
277 26.3 20.9 31.3



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: 8.64 ng/ul

RT: 25.73 min Scan# 3922

Delta R.T. 0.04 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

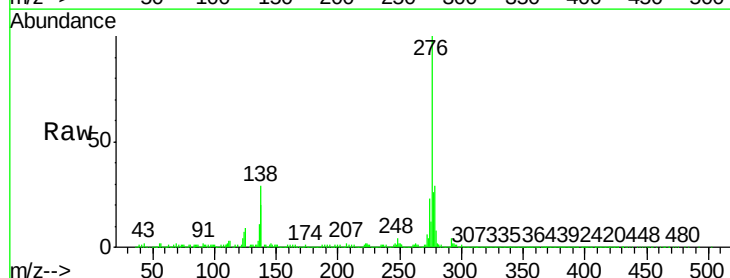
Tgt Ion:278 Resp: 529232

Ion Ratio Lower Upper

278 100

139 0.0 16.3 24.5#

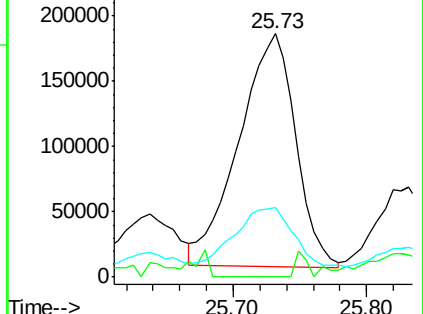
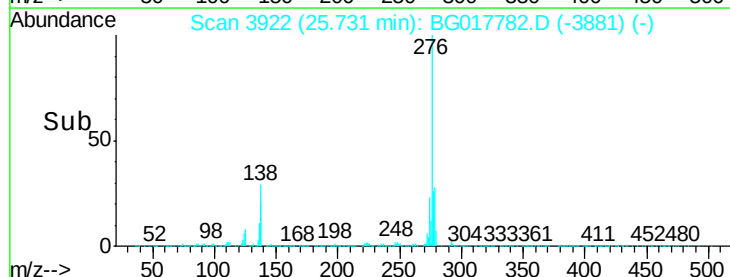
279 28.4 18.7 28.1#

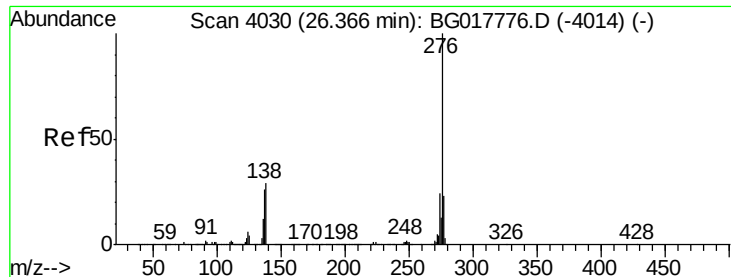


Abundance Ion 278.00 (277.70 to 278.70): E

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: 19.73 ng/ul

RT: 26.42 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BG017782.D

Acq: 6 Jul 2015 23:05

Instrument :

BNA_G

ClientSampleId :

G93J4

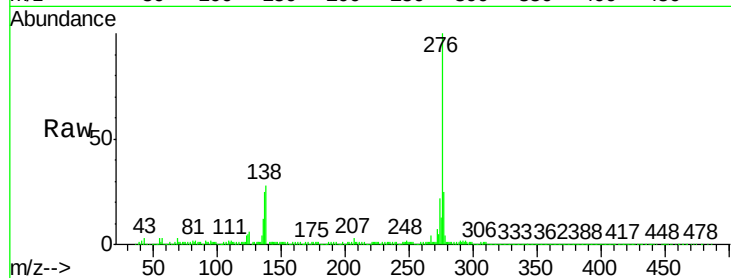
Tgt Ion: 276 Resp: 1196319

Ion Ratio Lower Upper

276 100

138 28.4 25.1 37.7

277 24.8 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

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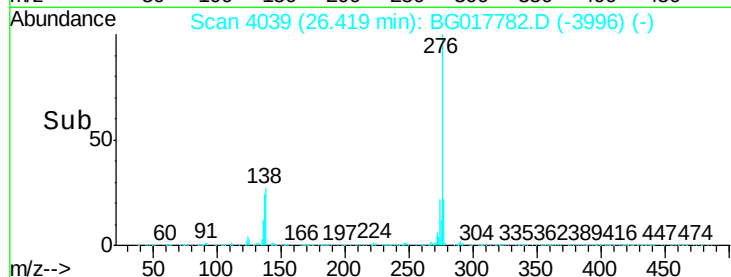
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Time-->