

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
 Data File : BG018304.D
 Acq On : 6 Aug 2015 14:45
 Operator : UM/TP
 Sample : G3109-11DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L4DL

Quant Time: Aug 07 01:34:37 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 01:32:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	22651	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	98836	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	70533	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.87	188	171215	20.00	ng/ul	-0.02
78) Chrysene-d12	21.09	240	89546	20.00	ng/ul	-0.02
86) Perylene-d12	23.25	264	91708	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.64	99	4345	2.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	2466	2.86	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	4082	2.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	2244	1.49	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	2196	2.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	2640	2.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	5159	3.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	106	0.05	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	17567	3.22	ng/ul	0.00
47) Acenaphthylene-d8	13.80	160	19405	3.14	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	1763	1.96	ng/ul	0.00
58) Fluorene-d10	15.12	176	17925	3.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.28	200	707	0.60	ng/ul	0.00
71) Anthracene-d10	16.97	188	24777	3.29	ng/ul	0.00
79) Pyrene-d10	19.29	212	21678	4.33	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.25	264	91502	19.18	ng/ul	0.11

Target Compounds

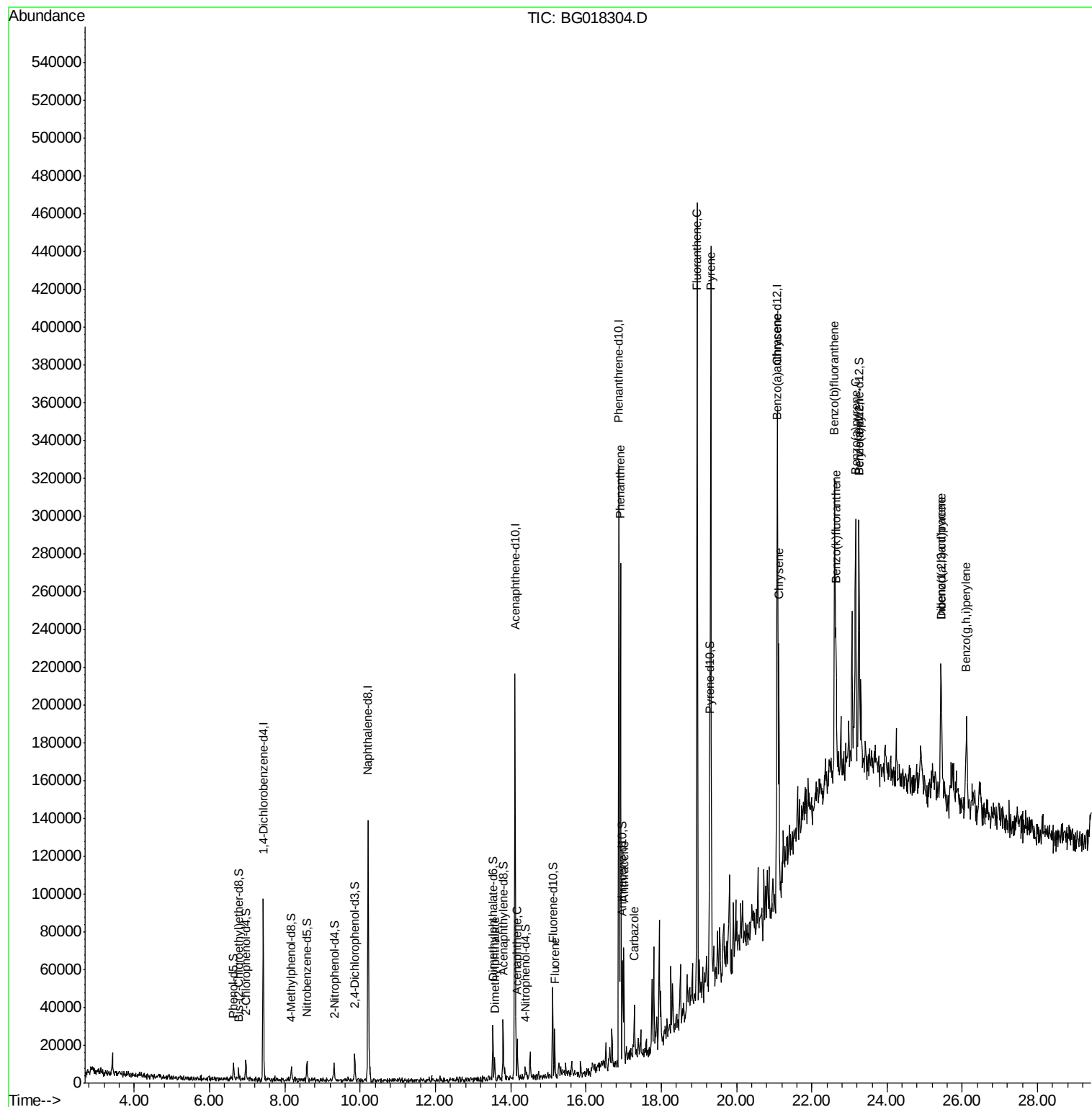
						Qvalue
45) Dimethylphthalate	13.57	163	6829	1.25	ng/ul#	90
50) Acenaphthene	14.18	153	7613	1.85	ng/ul	97
59) Fluorene	15.17	166	9863	1.85	ng/ul#	79
70) Phenanthrene	16.91	178	145707	16.86	ng/ul	96
72) Anthracene	17.01	178	32730	3.80	ng/ul	99
75) Carbazole	17.29	167	14271	1.96	ng/ul#	96
77) Fluoranthene	18.95	202	247461	25.82	ng/ul#	94
80) Pyrene	19.32	202	223529	35.90	ng/ul	98
83) Benzo(a)anthracene	21.07	228	68608	14.52	ng/ul	100
85) Chrysene	21.12	228	67469	15.89	ng/ul	97
88) Benzo(b)fluoranthene	22.61	252	109739	19.51	ng/ul#	98
89) Benzo(k)fluoranthene	22.64	252	40995	7.60	ng/ul#	86
91) Benzo(a)pyrene	23.16	252	82400	16.78	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.43	276	64252	10.58	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.43	278	17847	3.35	ng/ul#	85
94) Benzo(g,h,i)perylene	26.10	276	61549	12.48	ng/ul	94

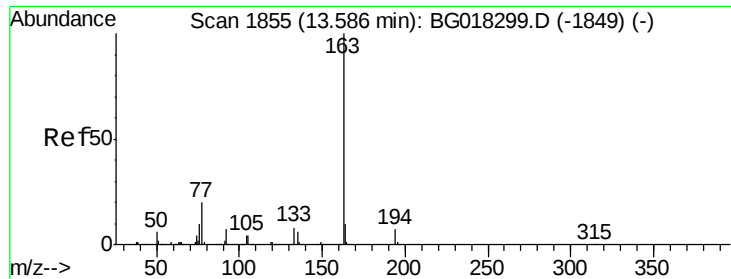
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 01:34:37 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 01:32:43 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 1.25 ng/ul

RT: 13.57 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

ClientSampleId :

C02L4DL

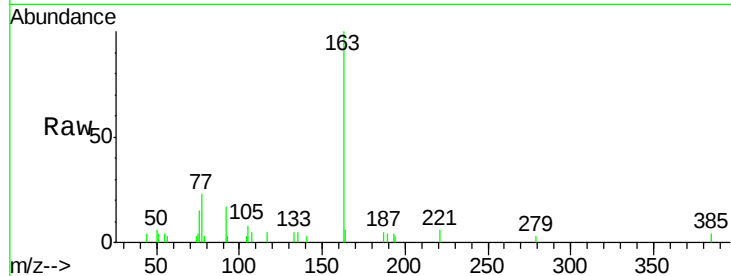
Tgt Ion:163 Resp: 6829

Ion Ratio Lower Upper

163 100

194 3.2 5.4 8.2#

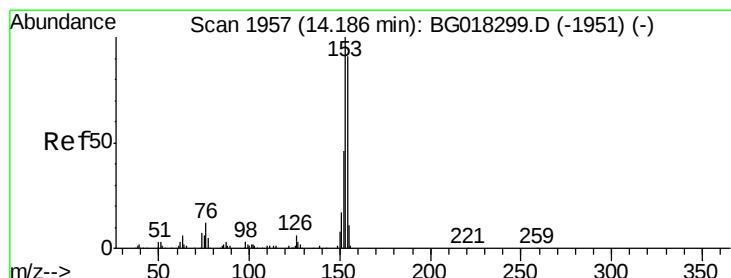
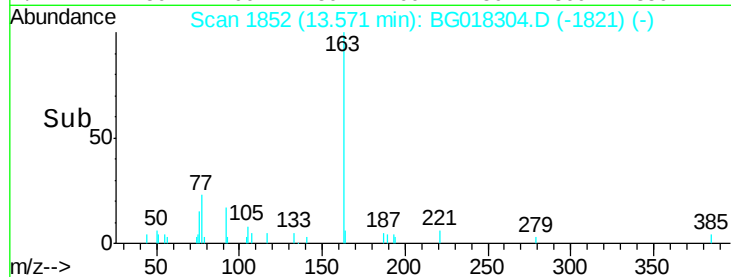
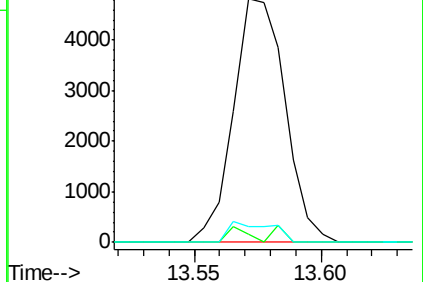
164 6.4 7.8 11.8#



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



#50

Acenaphthene

Concen: 1.85 ng/ul

RT: 14.18 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

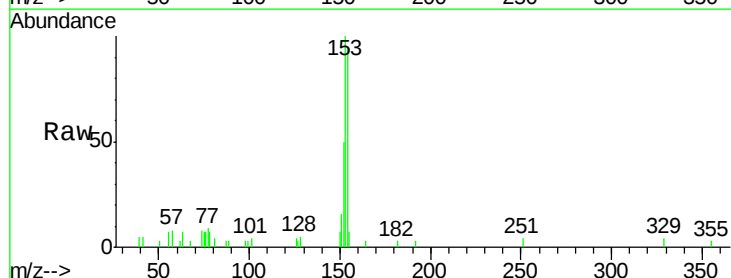
Tgt Ion:153 Resp: 7613

Ion Ratio Lower Upper

153 100

152 50.5 39.0 58.4

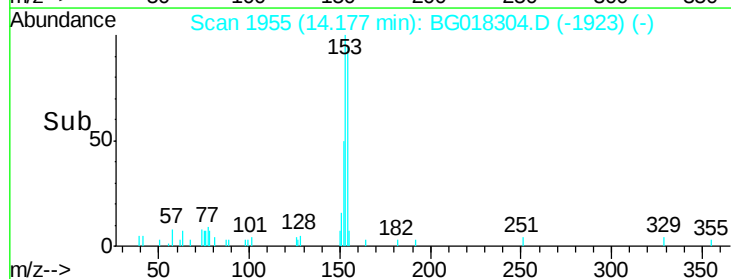
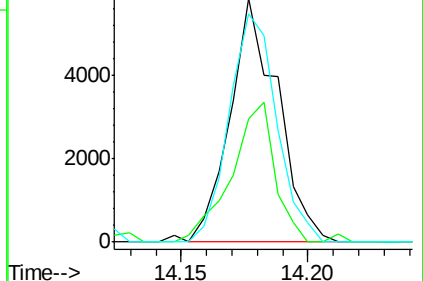
154 93.7 77.4 116.2

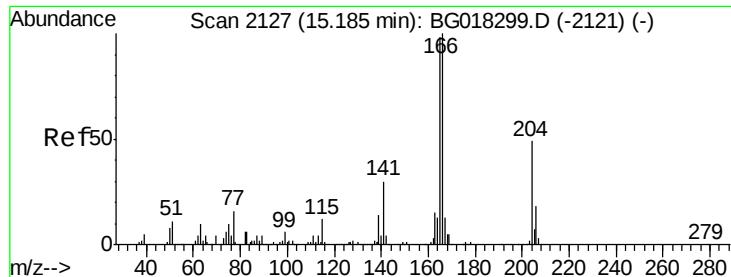


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.85 ng/ul

RT: 15.17 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

ClientSampleId :

C02L4DL

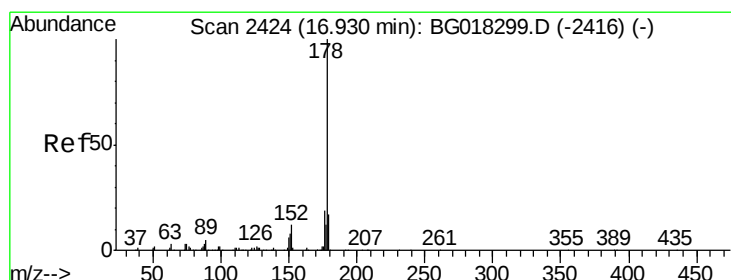
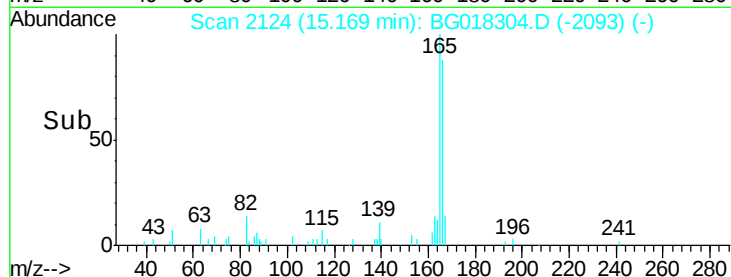
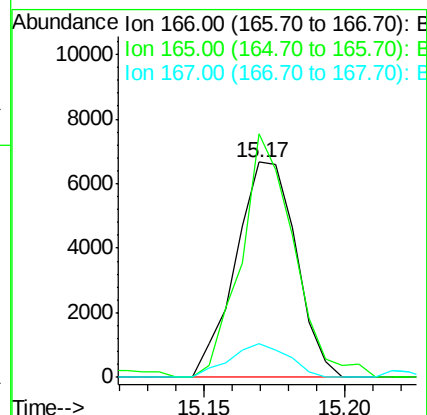
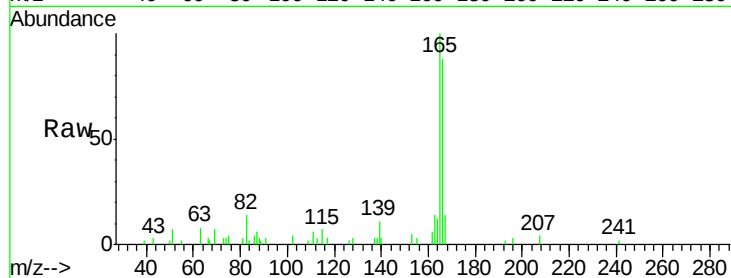
Tgt Ion:166 Resp: 9863

Ion Ratio Lower Upper

166 100

165 113.1 72.4 108.6#

167 15.5 11.4 17.0



#70

Phenanthrene

Concen: 16.86 ng/ul

RT: 16.91 min Scan# 2421

Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

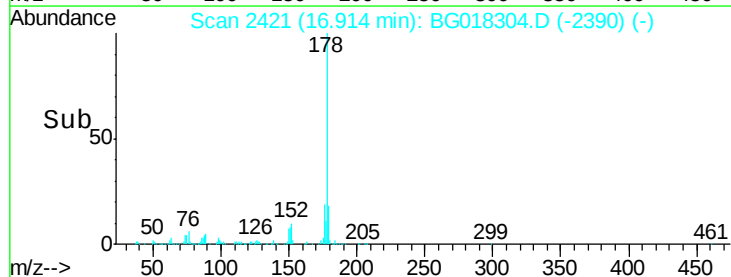
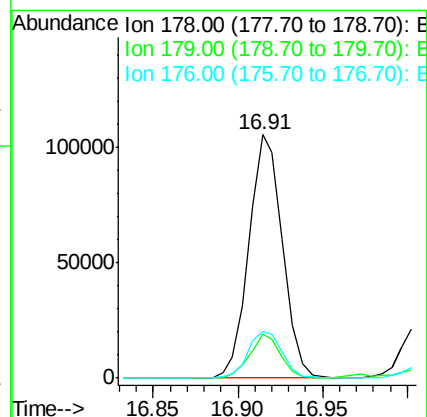
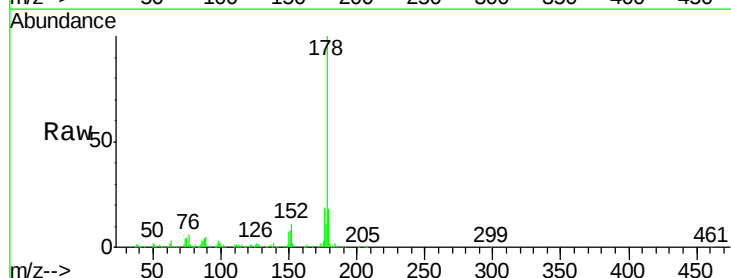
Tgt Ion:178 Resp: 145707

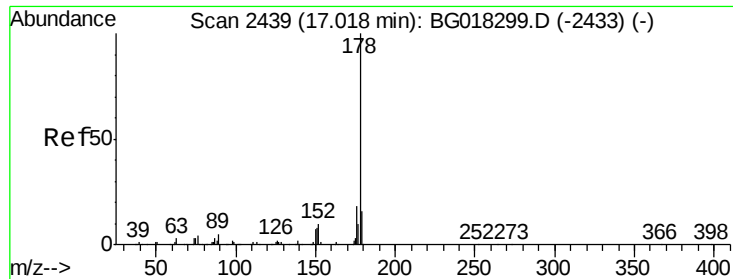
Ion Ratio Lower Upper

178 100

179 18.1 12.2 18.4

176 19.2 14.5 21.7





#72

Anthracene

Concen: 3.80 ng/ul

RT: 17.01 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

ClientSampleId :

C02L4DL

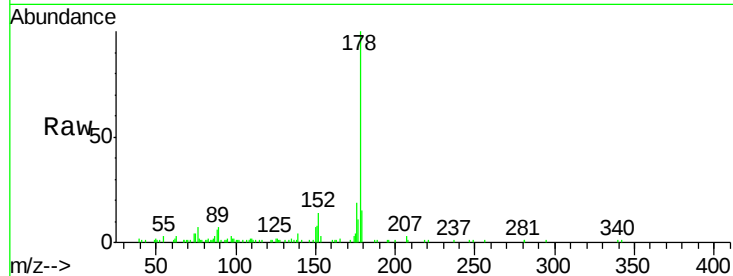
Tgt Ion:178 Resp: 32730

Ion Ratio Lower Upper

178 100

179 14.5 12.2 18.4

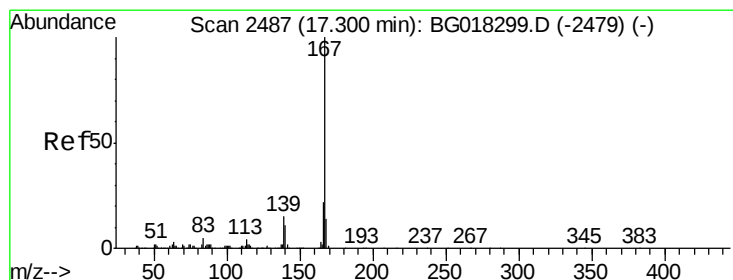
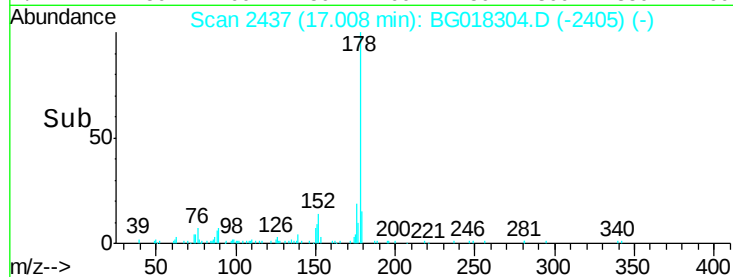
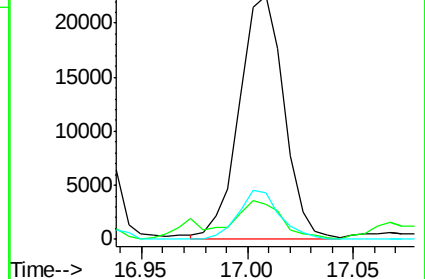
176 19.2 15.3 22.9



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



#75

Carbazole

Concen: 1.96 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

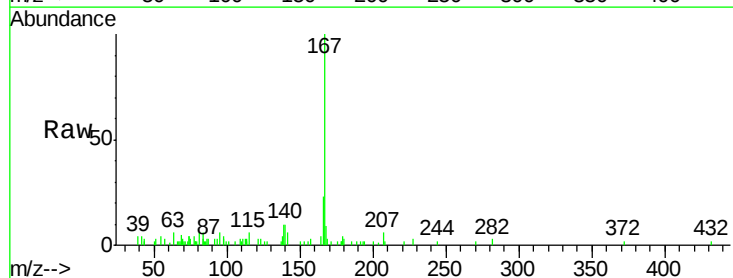
Tgt Ion:167 Resp: 14271

Ion Ratio Lower Upper

167 100

166 22.8 17.8 26.8

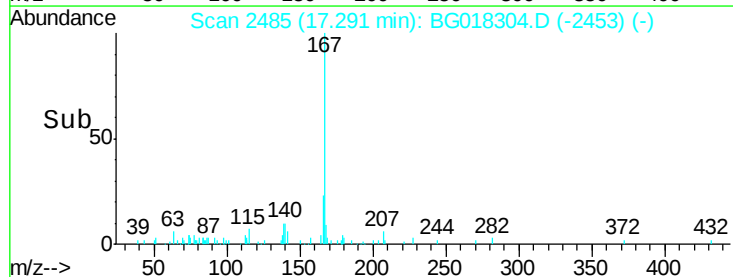
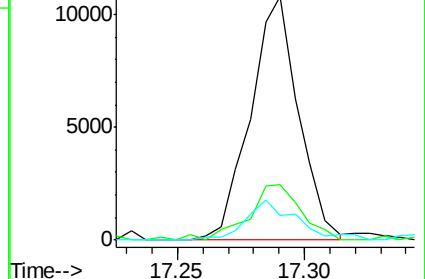
139 10.0 10.6 16.0#

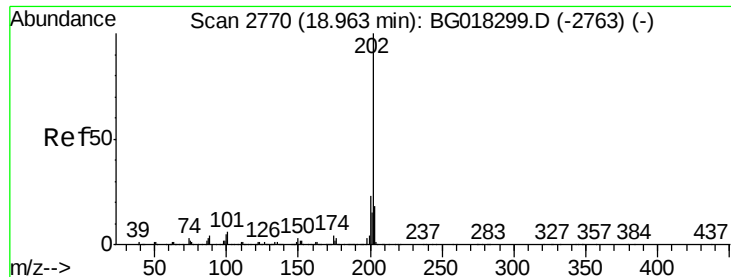


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

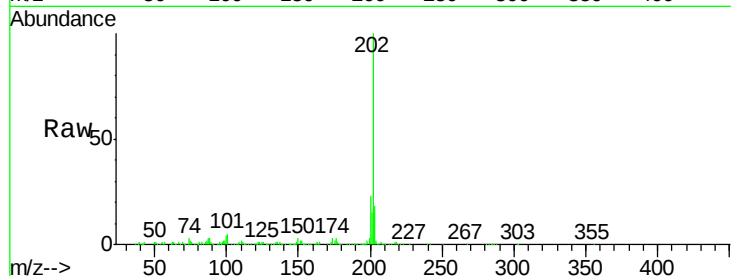




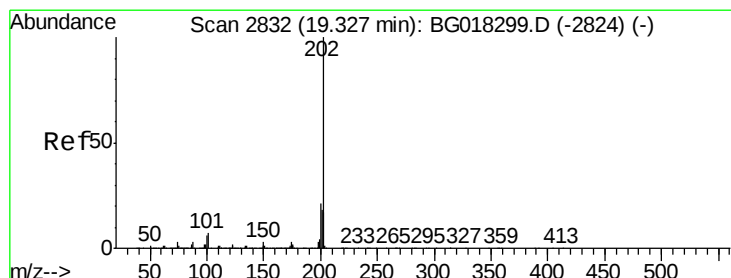
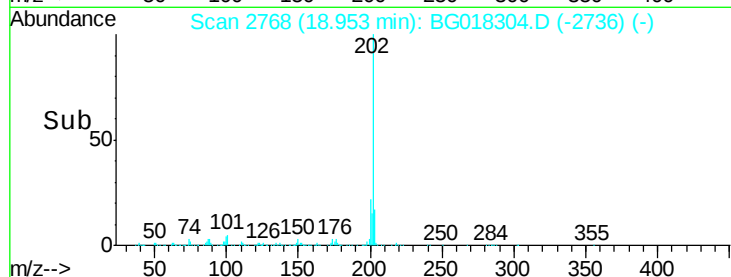
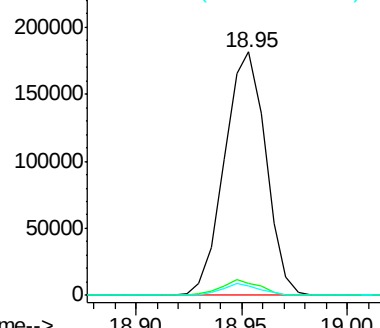
#77
 Fluoranthene
 Concen: 25.82 ng/ul
 RT: 18.95 min Scan# 2768
 Delta R.T. -0.01 min
 Lab File: BG018304.D
 Acq: 6 Aug 2015 14:45

Instrument :
 BNA_G
 ClientSampleId :
 C02L4DL

Tgt Ion:	202	Resp:	247461
Ion Ratio	Lower	Upper	
202	100		
101	5.1	6.2	9.2#
100	3.9	4.6	6.8#

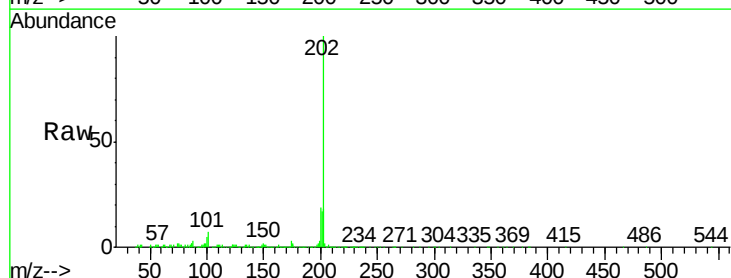


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

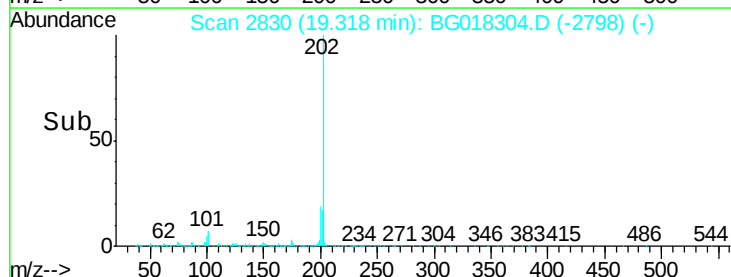
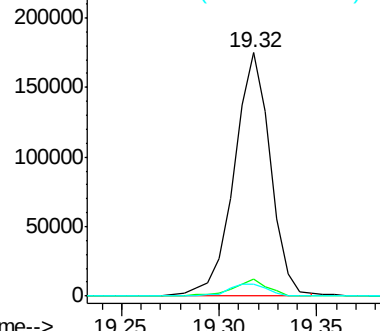


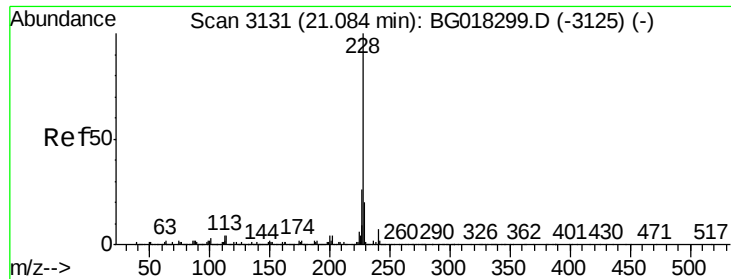
#80
 Pyrene
 Concen: 35.90 ng/ul
 RT: 19.32 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BG018304.D
 Acq: 6 Aug 2015 14:45

Tgt Ion:	202	Resp:	223529
Ion Ratio	Lower	Upper	
202	100		
101	7.0	6.2	9.2
100	4.9	4.6	7.0



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

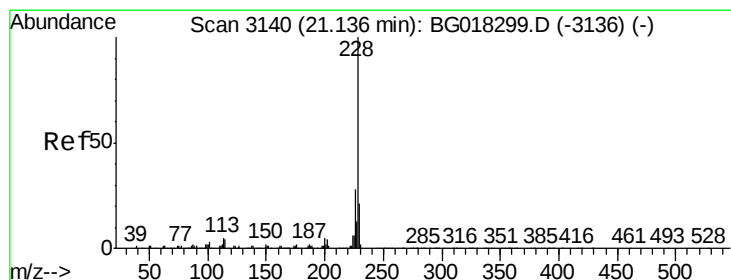
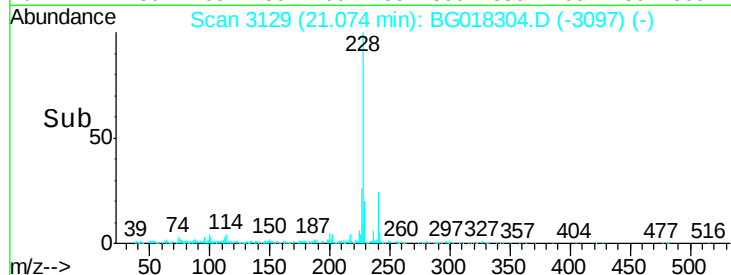
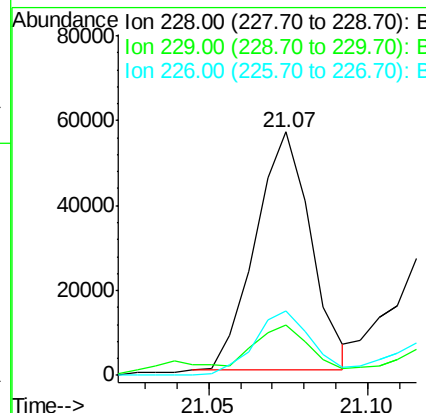
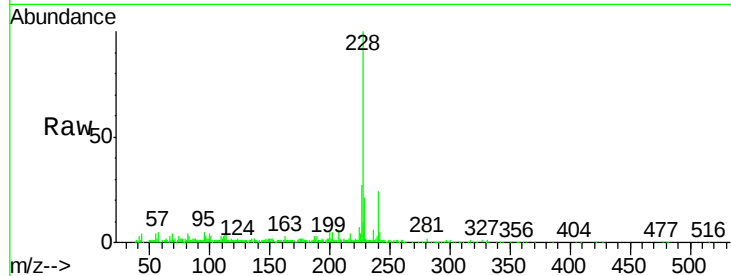




#83
Benzo(a)anthracene
Concen: 14.52 ng/ul
RT: 21.07 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

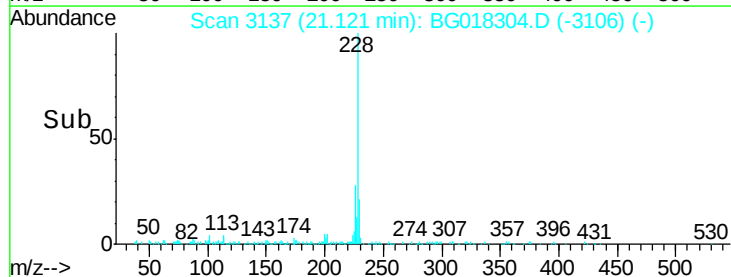
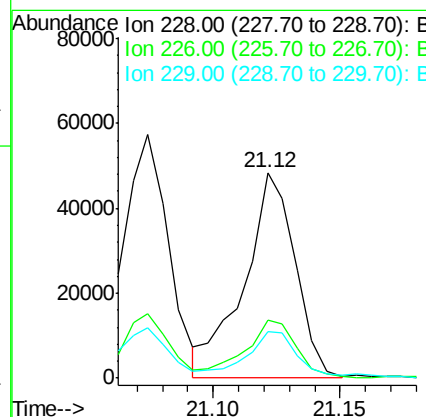
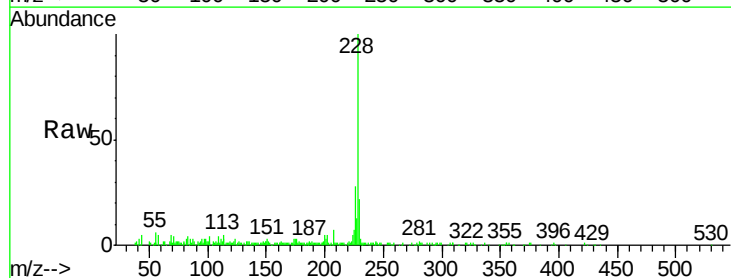
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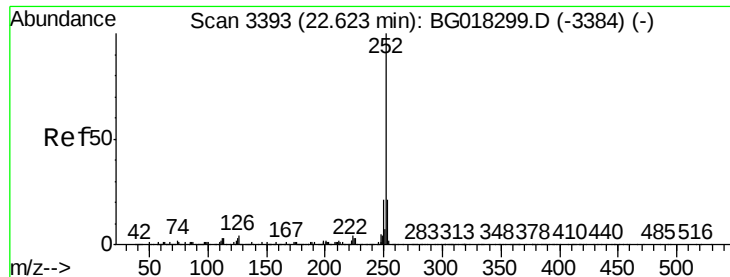
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	16.3	24.5
226	26.5	21.2	31.8



#85
Chrysene
Concen: 15.89 ng/ul
RT: 21.12 min Scan# 3137
Delta R.T. -0.02 min
Lab File: BG018304.D
Acq: 6 Aug 2015 14:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.6
229	22.4	15.9	23.9





#88

Benzo(b)fluoranthene

Concen: 19.51 ng/ul

RT: 22.61 min Scan# 3390

Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

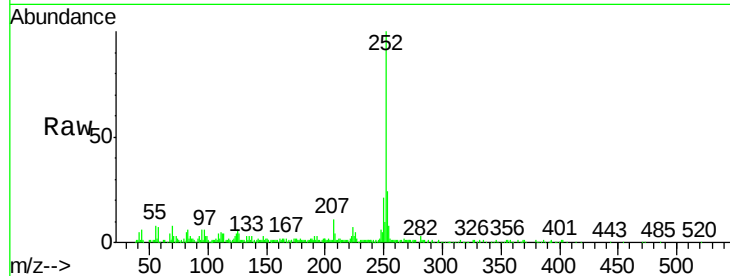
Instrument :

BNA_G

ClientSampleId :

C02L4DL

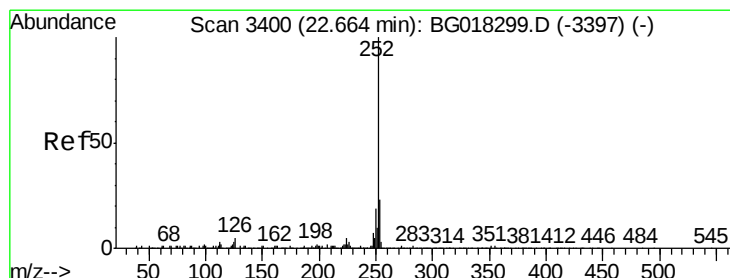
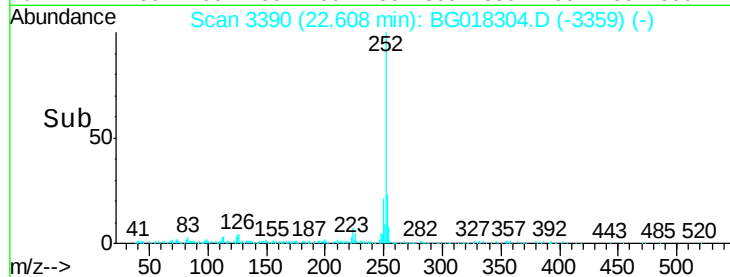
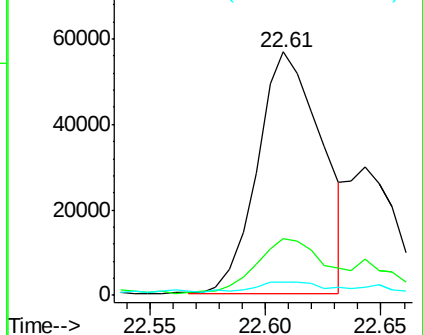
Tgt Ion:	252	Resp:	109739
Ion Ratio		Lower	Upper
252	100		
253	23.5	18.1	27.1
125	5.7	3.1	4.7#



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

Benzo(k)fluoranthene

Concen: 7.60 ng/ul

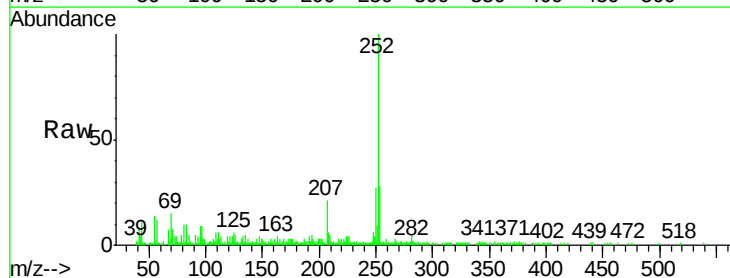
RT: 22.64 min Scan# 3396

Delta R.T. -0.02 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

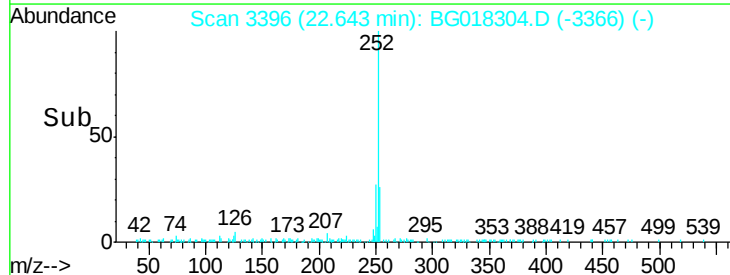
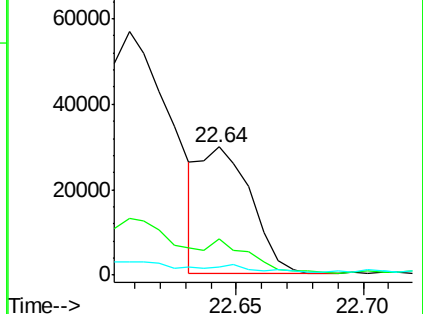
Tgt Ion:	252	Resp:	40995
Ion Ratio		Lower	Upper
252	100		
253	27.9	16.4	24.6#
125	6.1	3.4	5.2#

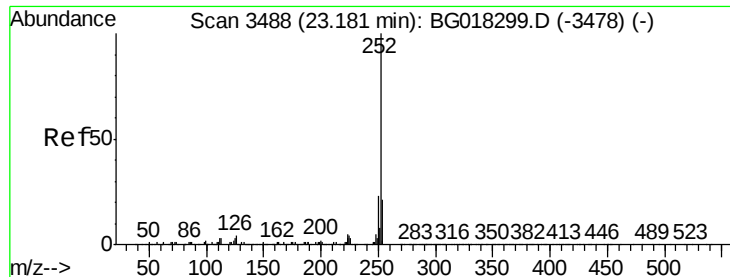


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 16.78 ng/ul

RT: 23.16 min Scan# 3484

Delta R.T. -0.02 min

Lab File: BG018304.D

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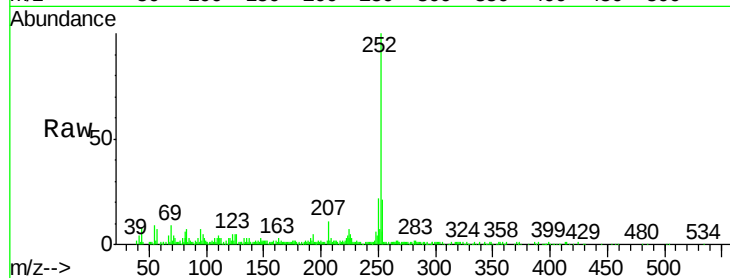
Tgt Ion:252 Resp: 82400

Ion Ratio Lower Upper

252 100

253 21.0 18.9 28.3

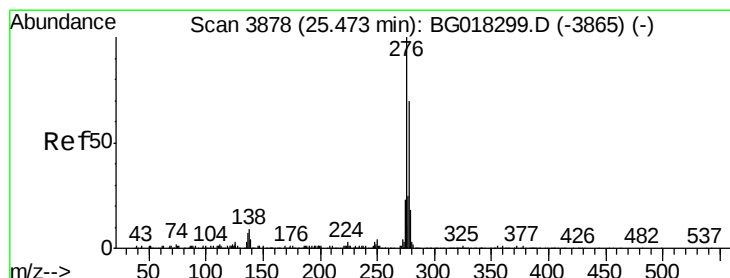
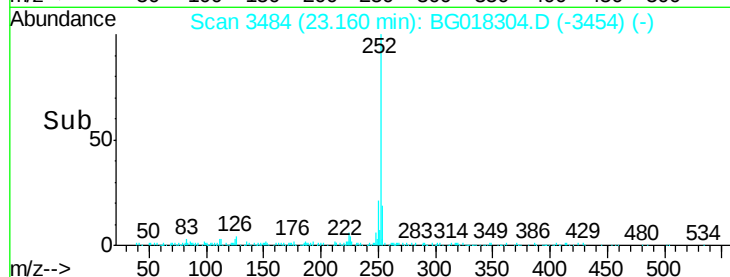
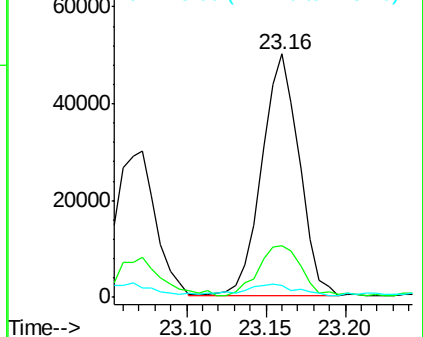
125 4.7 3.2 4.8



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 10.58 ng/ul

RT: 25.43 min Scan# 3871

Delta R.T. -0.04 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

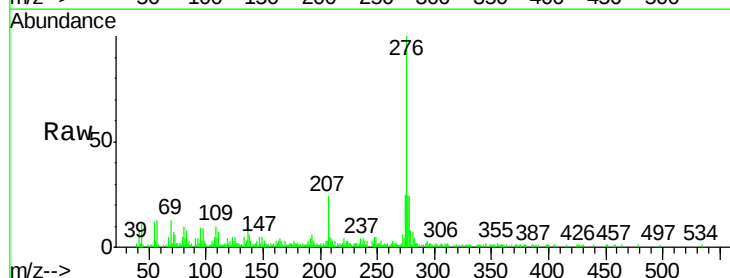
Tgt Ion:276 Resp: 64252

Ion Ratio Lower Upper

276 100

138 6.0 8.2 12.4#

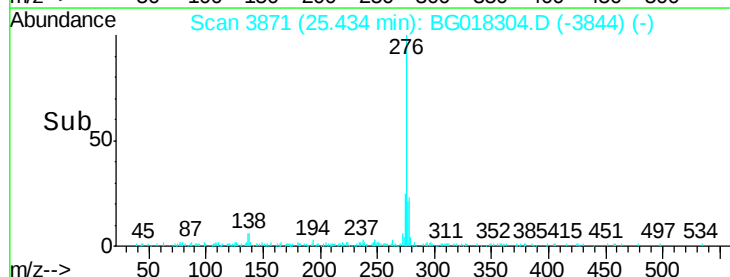
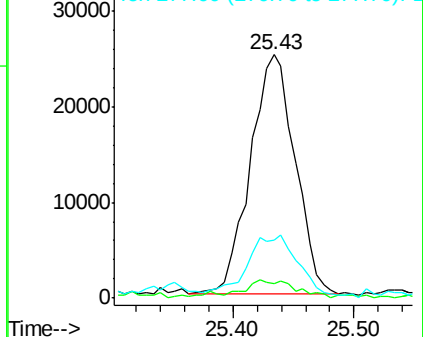
277 23.6 20.1 30.1

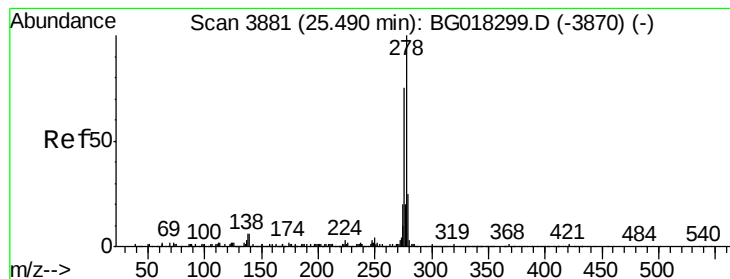


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 3.35 ng/ul

RT: 25.43 min Scan# 3871

Delta R.T. -0.06 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

Instrument :

BNA_G

ClientSampleId :

C02L4DL

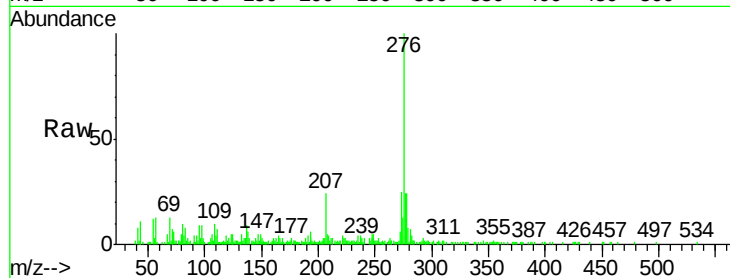
Tgt Ion:278 Resp: 17847

Ion Ratio Lower Upper

278 100

139 11.6 5.8 8.8#

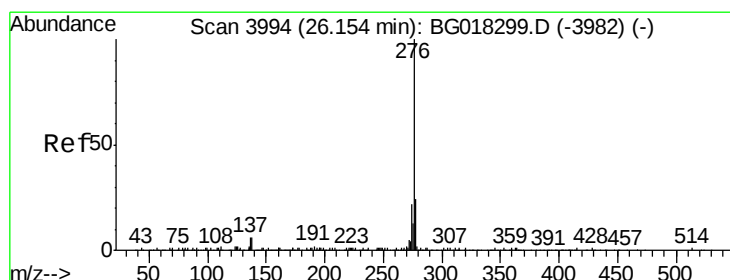
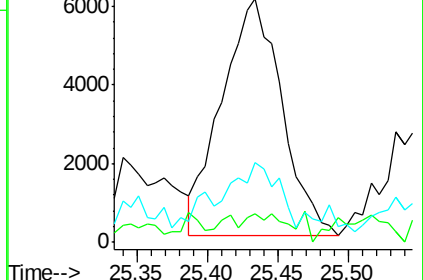
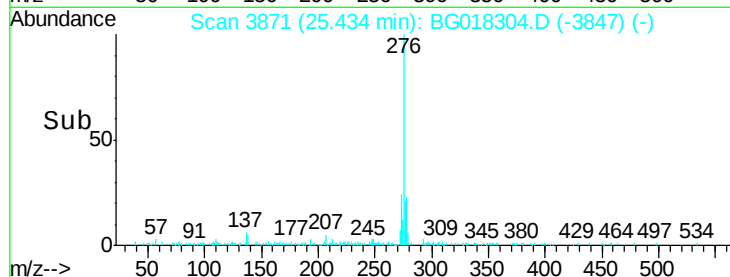
279 32.8 19.8 29.6#



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



#94

Benzo(g,h,i)perylene

Concen: 12.48 ng/ul

RT: 26.10 min Scan# 3985

Delta R.T. -0.05 min

Lab File: BG018304.D

Acq: 6 Aug 2015 14:45

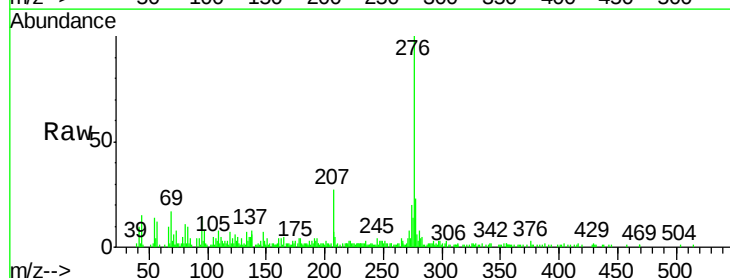
Tgt Ion:276 Resp: 61549

Ion Ratio Lower Upper

276 100

138 6.1 6.0 9.0

277 23.1 21.1 31.7



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

