

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
 Data File : BG018306.D
 Acq On : 6 Aug 2015 15:55
 Operator : UM/TP
 Sample : G3109-14DL 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01W2DL

Quant Time: Aug 07 01:35:23 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	23080	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	109253	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.12	164	71965	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	142737	20.00	ng/ul	-0.01
78) Chrysene-d12	21.09	240	80988	20.00	ng/ul	-0.01
86) Perylene-d12	23.26	264	84643	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.89	96	178	0.67	ng/uL	0.00
5) Phenol-d5	6.64	99	18937	10.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	10857	12.38	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	16721	11.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	14461	9.44	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	8744	10.34	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.31	143	11251	11.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	19002	10.56	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.37	131	9933	4.61	ng/ul	0.00
44) Dimethylphthalate-d6	13.53	166	64758	11.63	ng/ul	-0.01
47) Acenaphthylene-d8	13.80	160	62635	9.92	ng/ul	0.00
52) 4-Nitrophenol-d4	14.38	143	4486	4.89	ng/ul	-0.01
58) Fluorene-d10	15.11	176	47334	9.47	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.26	200	4533	4.59	ng/ul	-0.02
71) Anthracene-d10	16.97	188	61977	9.87	ng/ul	-0.01
79) Pyrene-d10	19.29	212	49030	10.82	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.26	264	83388	18.93	ng/ul	0.12

Target Compounds

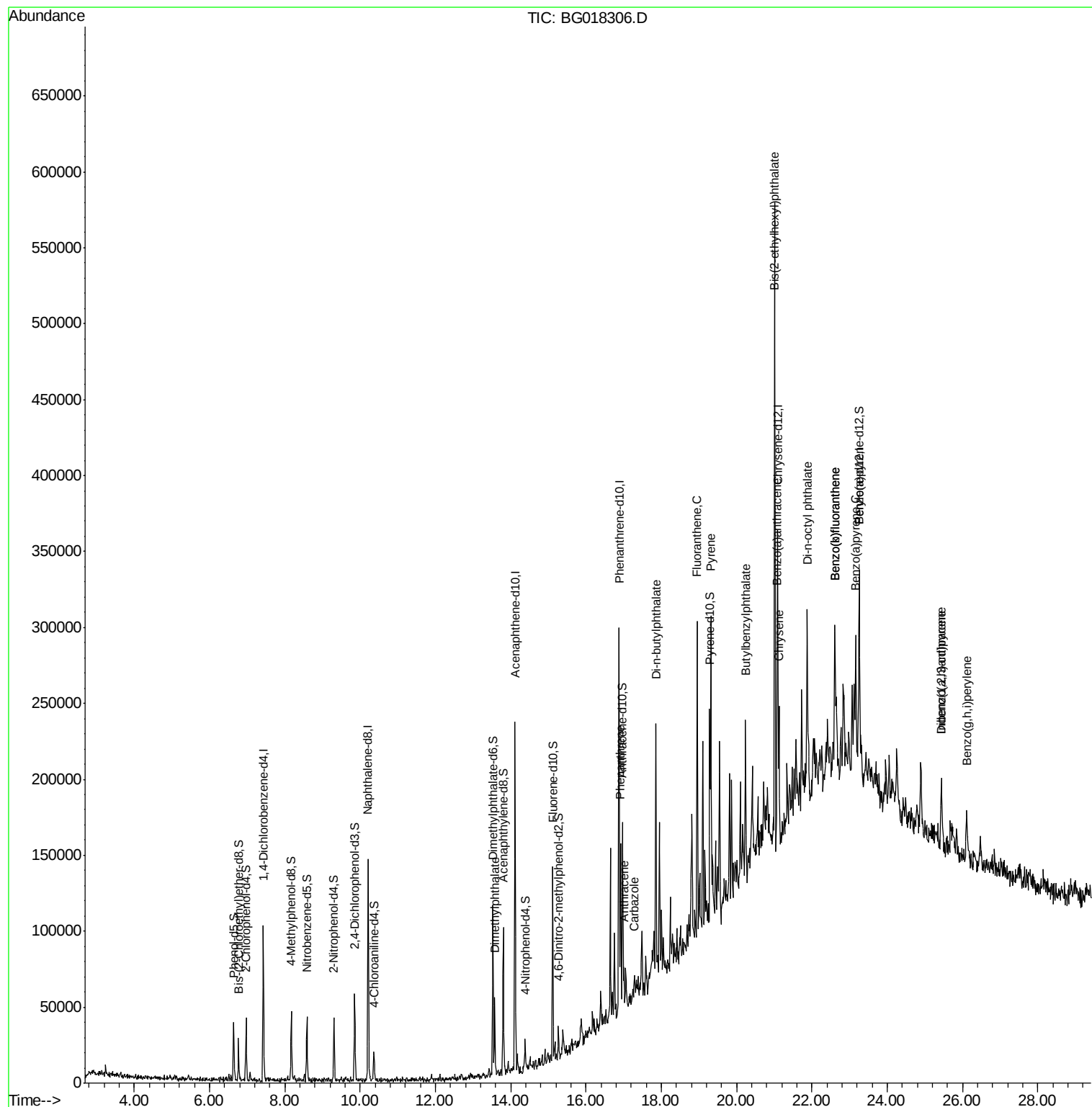
						Qvalue
45) Dimethylphthalate	13.58	163	26524	4.78	ng/ul#	92
70) Phenanthrene	16.92	178	59962	8.32	ng/ul	98
72) Anthracene	17.01	178	15331	2.13	ng/ul	96
75) Carbazole	17.29	167	7639	1.26	ng/ul#	85
76) Di-n-butylphthalate	17.86	149	111578	13.11	ng/ul	99
77) Fluoranthene	18.95	202	121088	15.16	ng/ul#	93
80) Pyrene	19.32	202	109470	19.44	ng/ul	98
81) Butylbenzylphthalate	20.23	149	24030	11.00	ng/ul	88
83) Benzo(a)anthracene	21.07	228	38540	9.02	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.01	149	146946	55.91	ng/ul	96
85) Chrysene	21.13	228	40574	10.56	ng/ul	95
87) Di-n-octyl phthalate	21.88	149	49386	8.86	ng/ul	100
88) Benzo(b)fluoranthene	22.61	252	63813	12.29	ng/ul#	96
89) Benzo(k)fluoranthene	22.61	252	63813	12.82	ng/ul#	92
91) Benzo(a)pyrene	23.16	252	42328	9.34	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.44	276	39583	7.06	ng/ul	92
93) Dibenzo(a,h)anthracene	25.43	278	6650	1.35	ng/ul#	96
94) Benzo(g,h,i)perylene	26.11	276	34880	7.67	ng/ul#	98

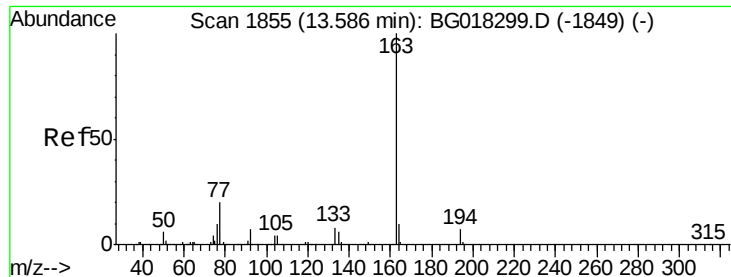
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 01:32:43 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 4.78 ng/ul

RT: 13.58 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

BNA_G

ClientSampleId :

C01W2DL

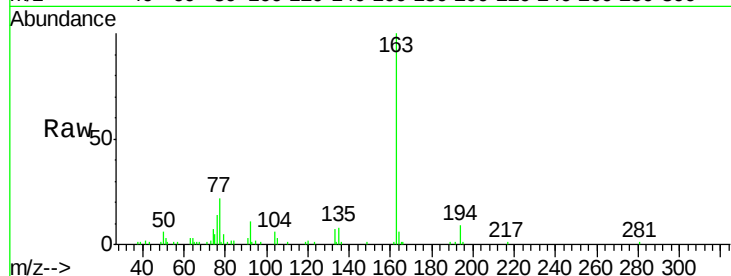
Tgt Ion:163 Resp: 26524

Ion Ratio Lower Upper

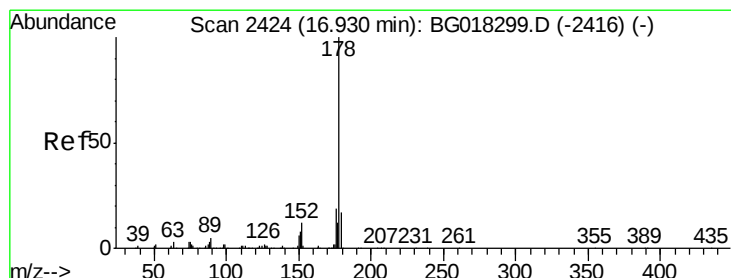
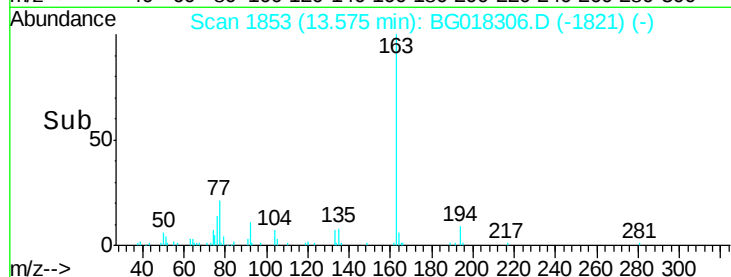
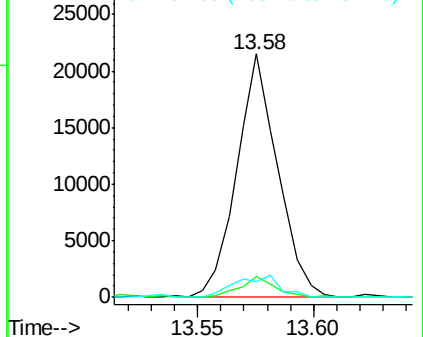
163 100

194 8.8 5.4 8.2#

164 6.2 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



#70

Phenanthrene

Concen: 8.32 ng/ul

RT: 16.92 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

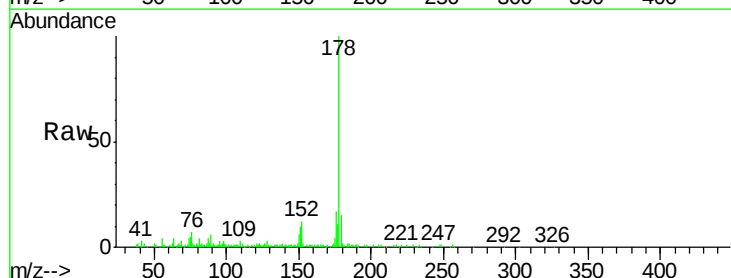
Tgt Ion:178 Resp: 59962

Ion Ratio Lower Upper

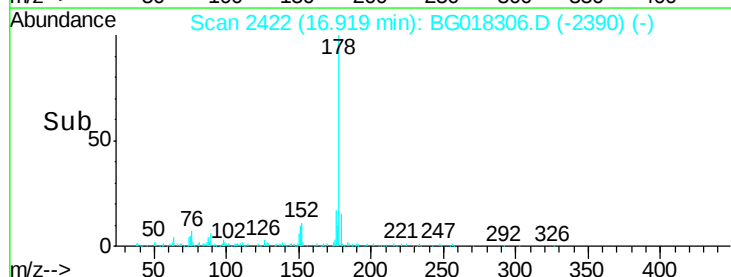
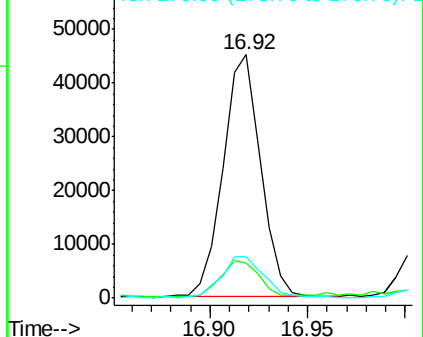
178 100

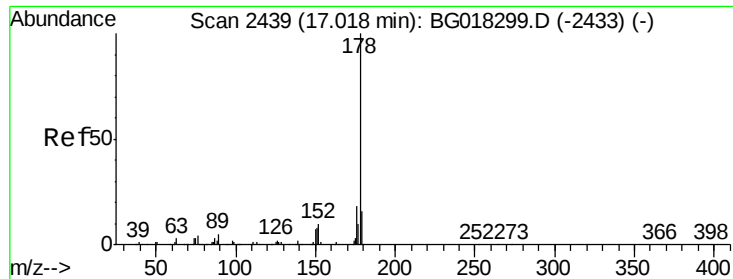
179 14.6 12.2 18.4

176 17.0 14.5 21.7



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





#72

Anthracene

Concen: 2.13 ng/ul

RT: 17.01 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

BNA_G

ClientSampleId :

C01W2DL

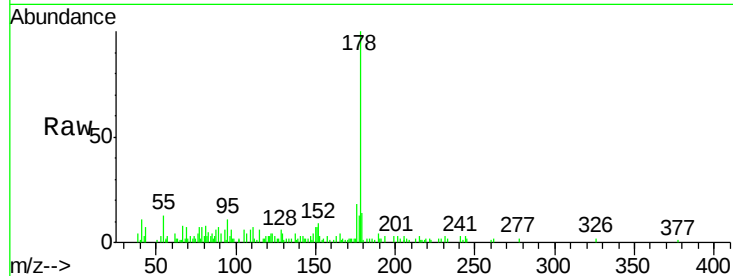
Tgt Ion:178 Resp: 15331

Ion Ratio Lower Upper

178 100

179 13.5 12.2 18.4

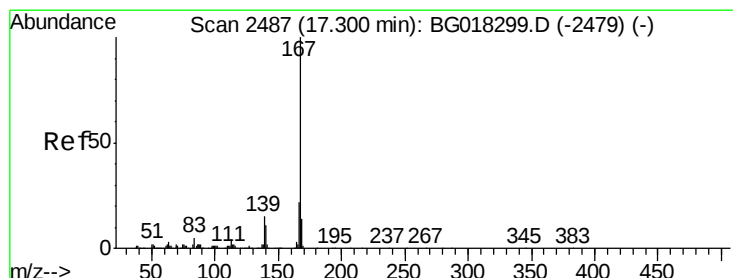
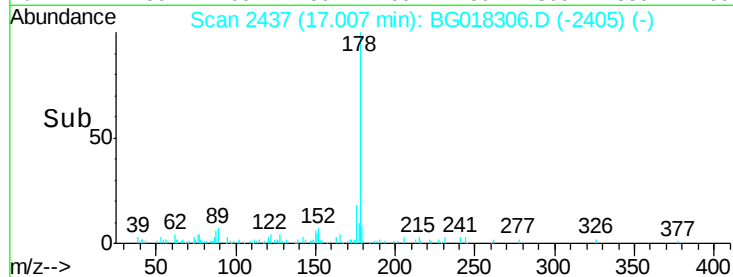
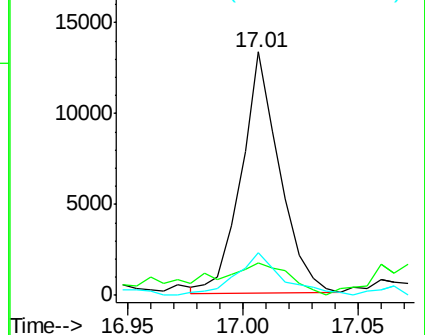
176 17.5 15.3 22.9



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: 1.26 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

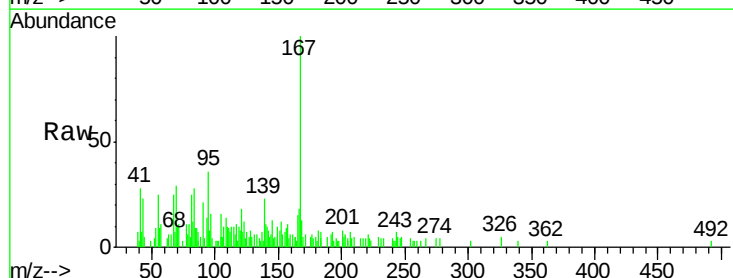
Tgt Ion:167 Resp: 7639

Ion Ratio Lower Upper

167 100

166 18.0 17.8 26.8

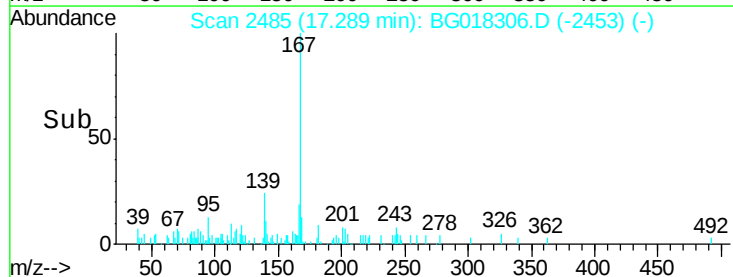
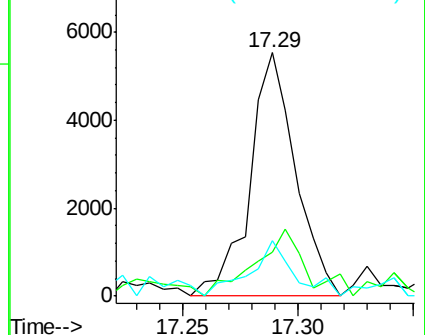
139 22.9 10.6 16.0#

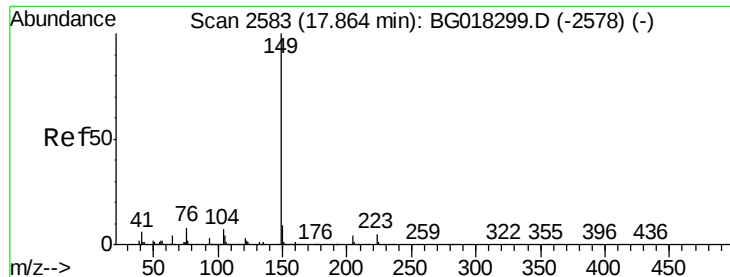


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 13.11 ng/ul

RT: 17.86 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

BNA_G

ClientSampleId :

C01W2DL

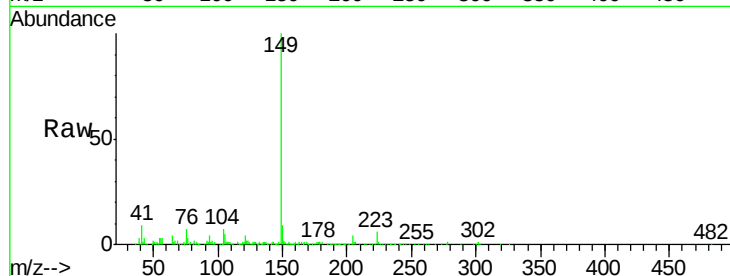
Tgt Ion:149 Resp: 111578

Ion Ratio Lower Upper

149 100

150 8.9 7.4 11.2

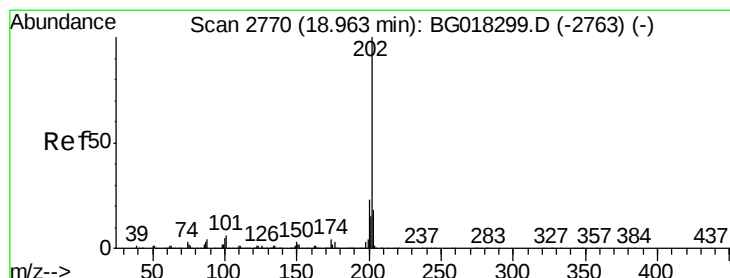
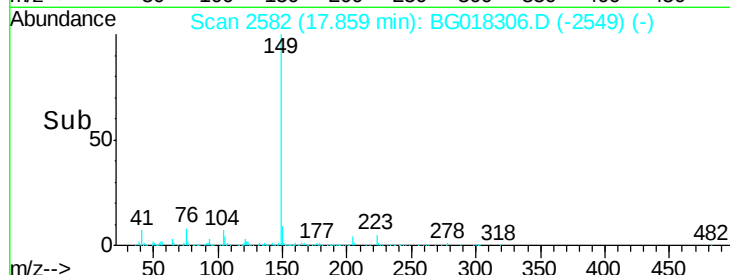
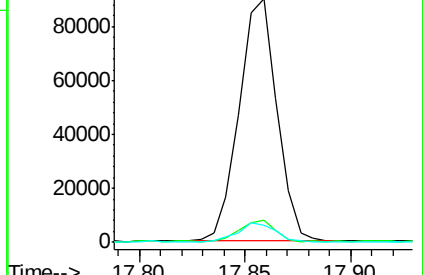
104 7.0 5.5 8.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 15.16 ng/ul

RT: 18.95 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

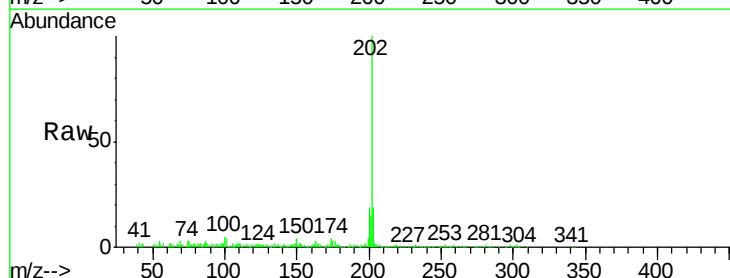
Tgt Ion:202 Resp: 121088

Ion Ratio Lower Upper

202 100

101 4.1 6.2 9.2#

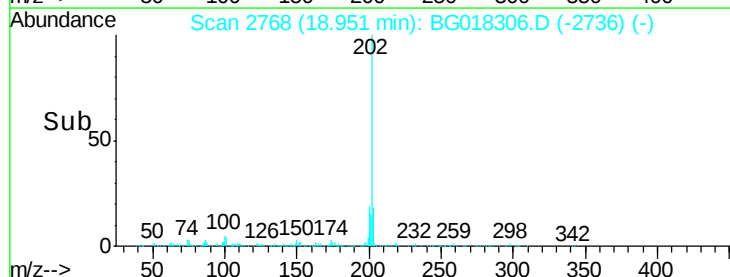
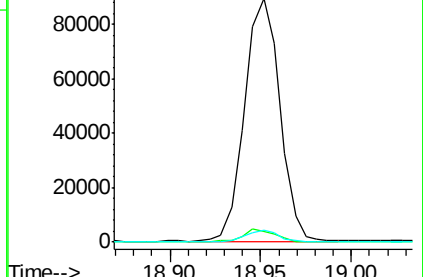
100 4.7 4.6 6.8

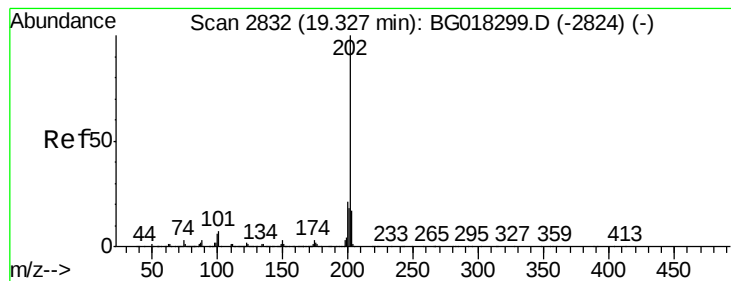


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 19.44 ng/ul

RT: 19.32 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

BNA_G

ClientSampleId :

C01W2DL

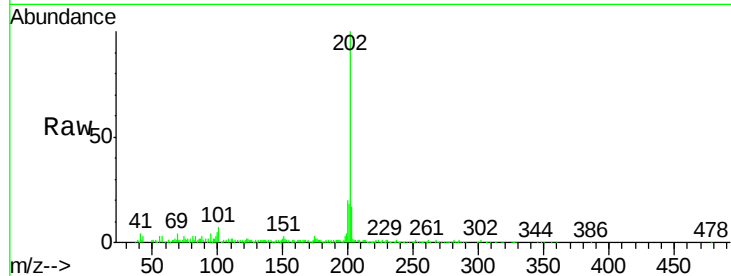
Tgt Ion: 202 Resp: 109470

Ion Ratio Lower Upper

202 100

101 6.9 6.2 9.2

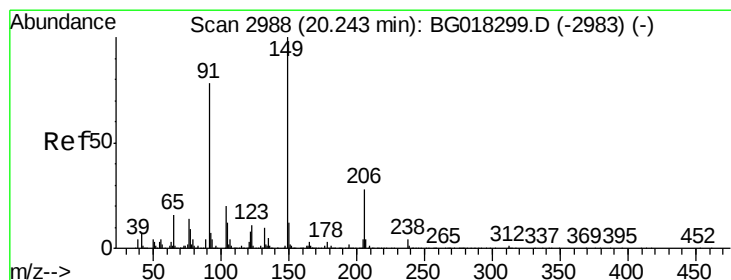
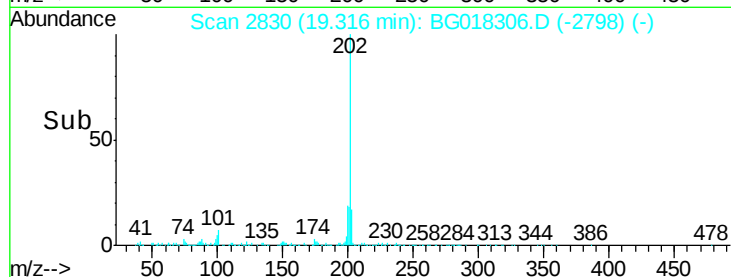
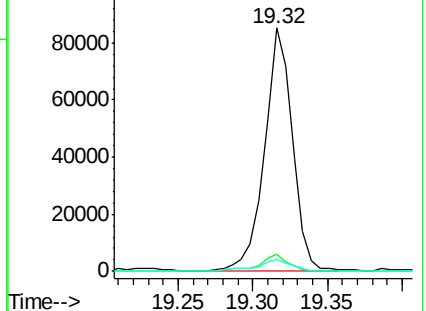
100 5.0 4.6 7.0



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): E



#81

Butylbenzylphthalate

Concen: 11.00 ng/ul

RT: 20.23 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

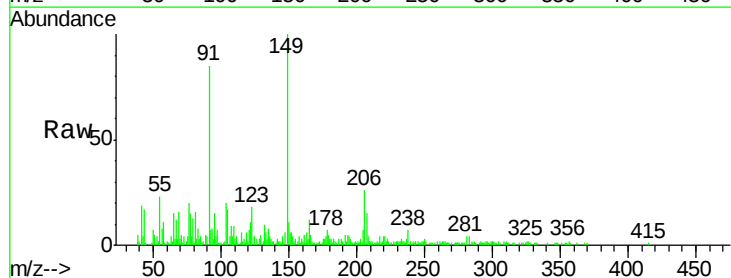
Tgt Ion: 149 Resp: 24030

Ion Ratio Lower Upper

149 100

91 85.0 58.2 87.2

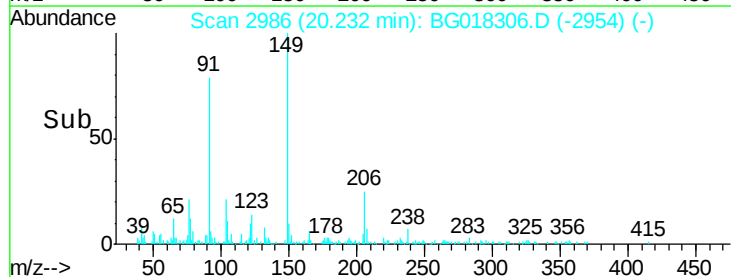
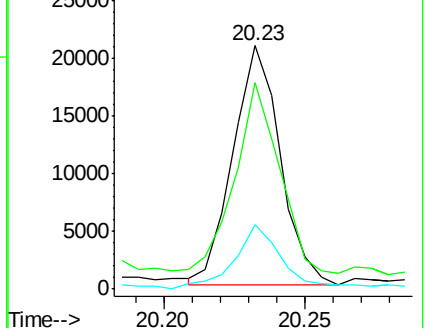
206 26.3 19.9 29.9

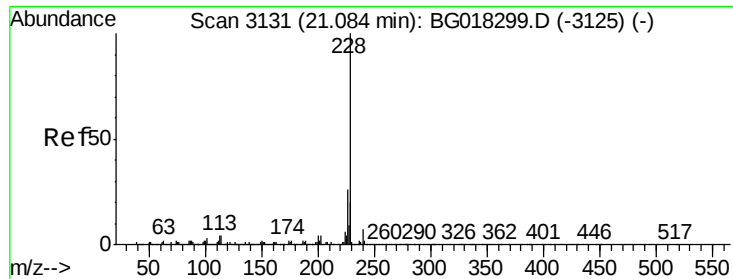


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 9.02 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

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ClientSampleId :

C01W2DL

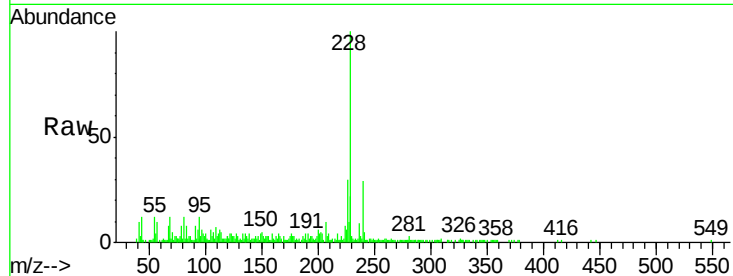
Tgt Ion:228 Resp: 38540

Ion Ratio Lower Upper

228 100

229 22.4 16.3 24.5

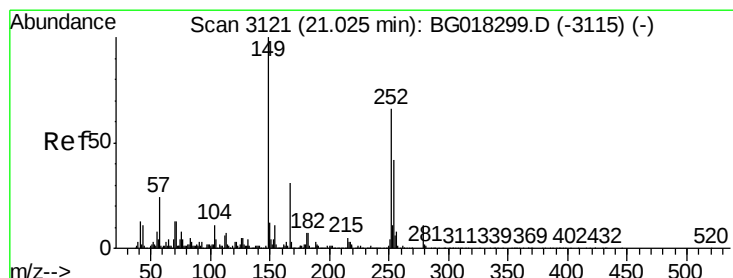
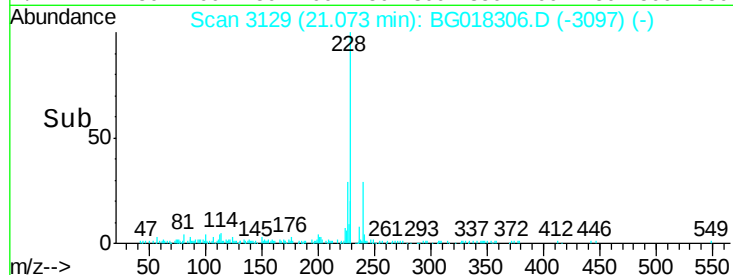
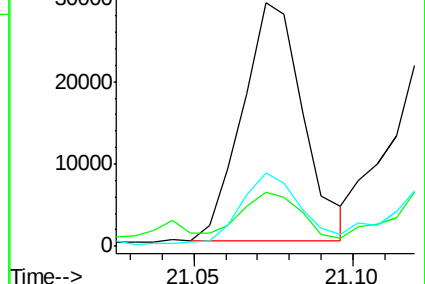
226 29.9 21.2 31.8



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

Bis(2-ethylhexyl)phthalate

Concen: 55.91 ng/ul

RT: 21.01 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

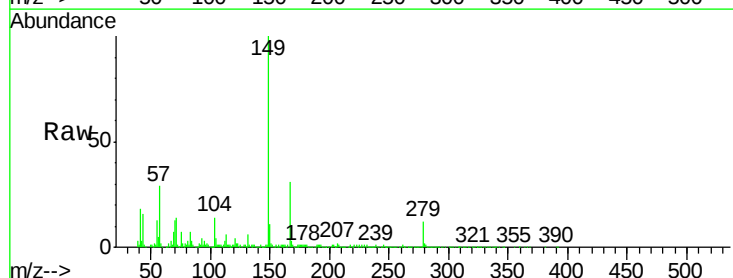
Tgt Ion:149 Resp: 146946

Ion Ratio Lower Upper

149 100

167 30.6 26.4 39.6

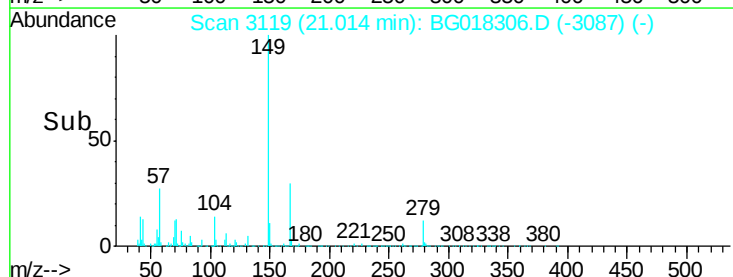
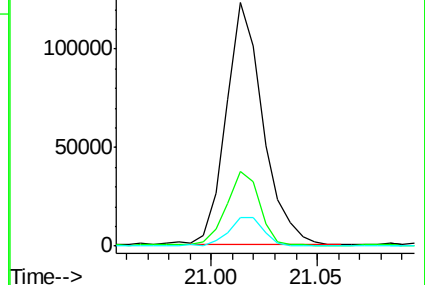
279 11.7 8.6 12.8

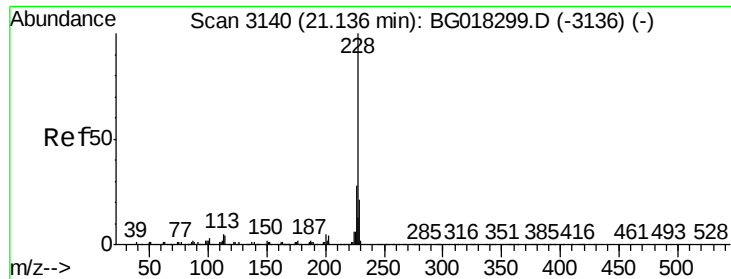


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 10.56 ng/ul

RT: 21.13 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

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ClientSampleId :

C01W2DL

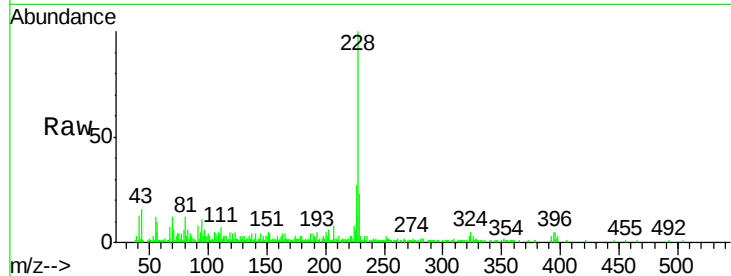
Tgt Ion:228 Resp: 40574

Ion Ratio Lower Upper

228 100

226 26.7 23.0 34.6

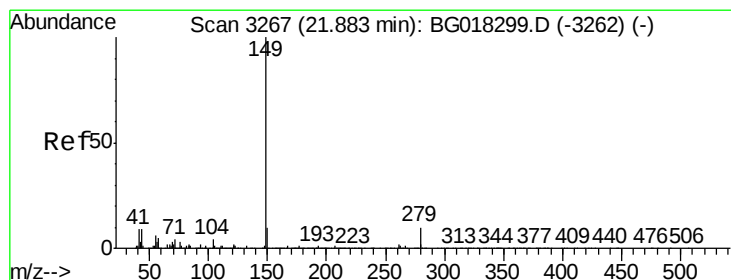
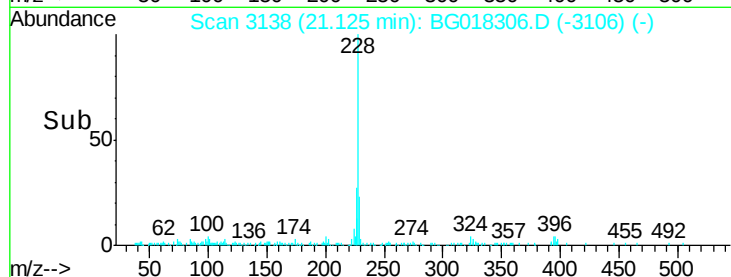
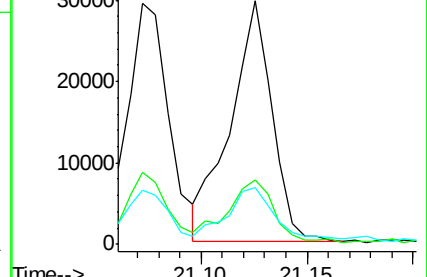
229 23.4 15.9 23.9



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

Di-n-octyl phthalate

Concen: 8.86 ng/ul

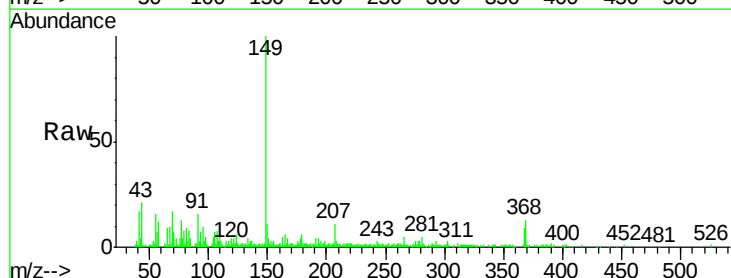
RT: 21.88 min Scan# 3266

Delta R.T. -0.01 min

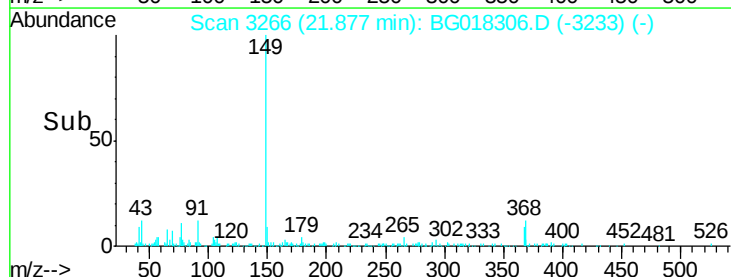
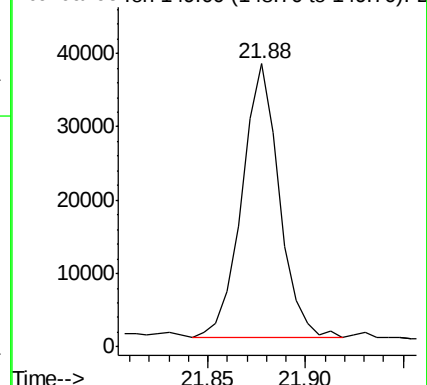
Lab File: BG018306.D

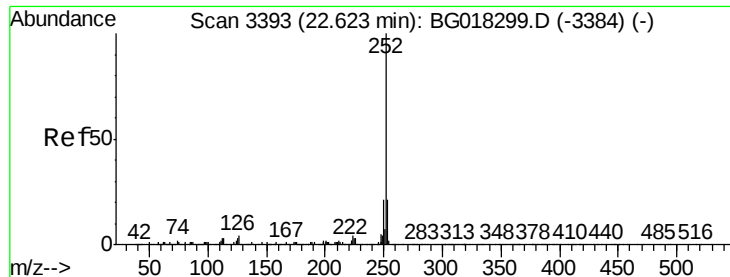
Acq: 6 Aug 2015 15:55

Tgt Ion:149 Resp: 49386



Abundance Ion 149.00 (148.70 to 149.70): E





#88

Benzo(b)fluoranthene

Concen: 12.29 ng/ul

RT: 22.61 min Scan# 3390

Delta R.T. -0.02 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

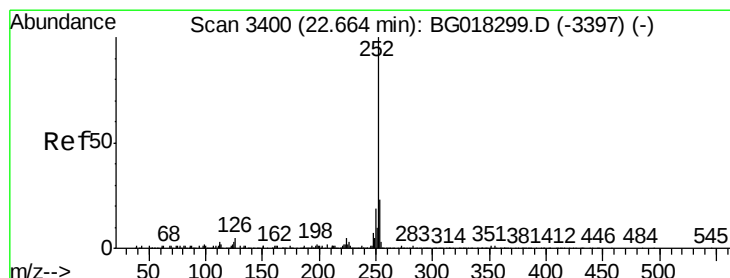
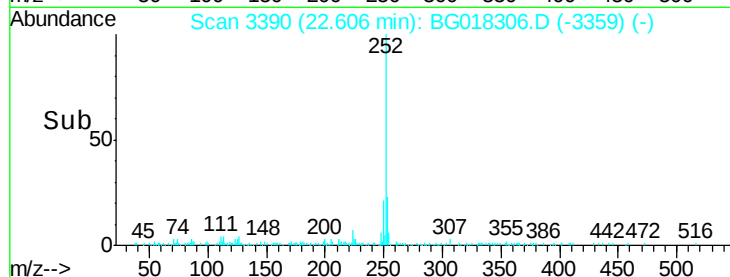
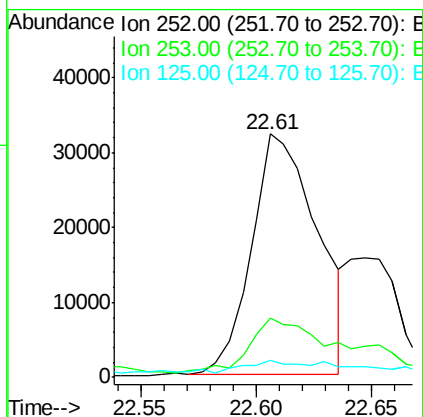
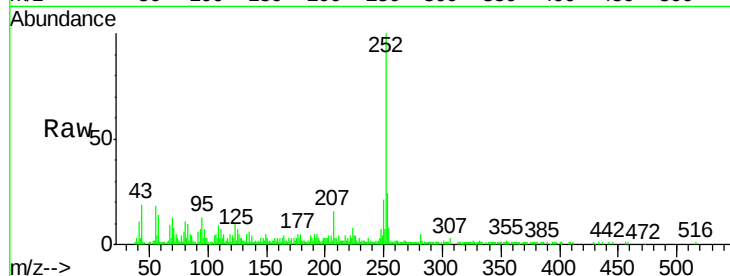
Instrument :

BNA_G

ClientSampleId :

C01W2DL

Tgt Ion:	252	Resp:	63813
Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	6.8	3.1	4.7#



#89

Benzo(k)fluoranthene

Concen: 12.82 ng/ul

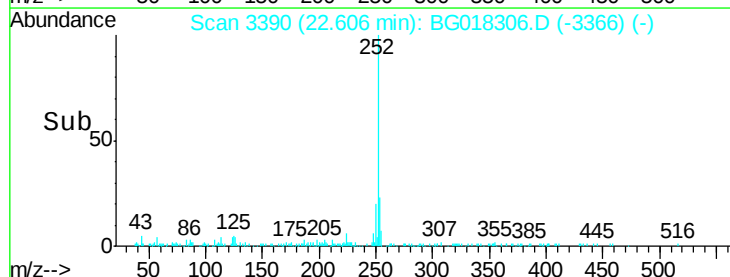
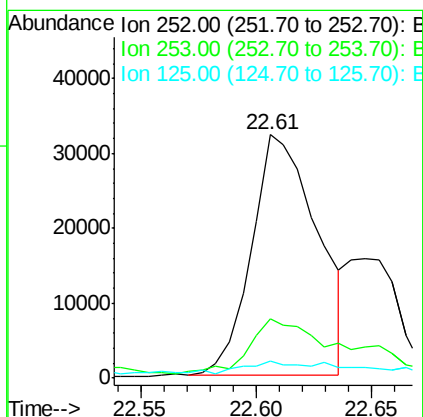
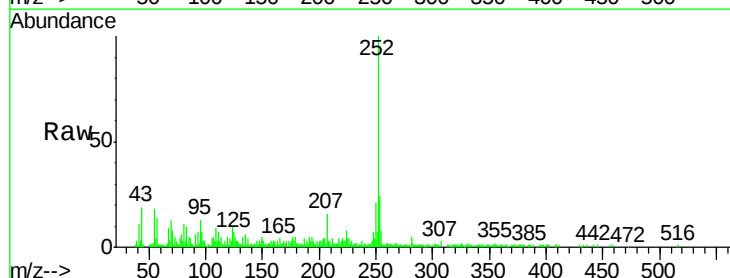
RT: 22.61 min Scan# 3390

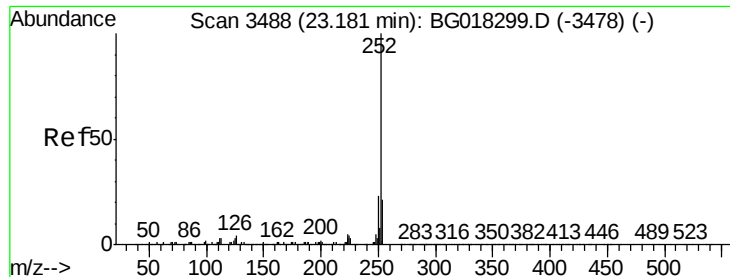
Delta R.T. -0.06 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Tgt Ion:	252	Resp:	63813
Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.4	24.6
125	6.8	3.4	5.2#





#91

Benzo(a)pyrene

Concen: 9.34 ng/ul

RT: 23.16 min Scan# 3485

Delta R.T. -0.02 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

BNA_G

ClientSampleId :

C01W2DL

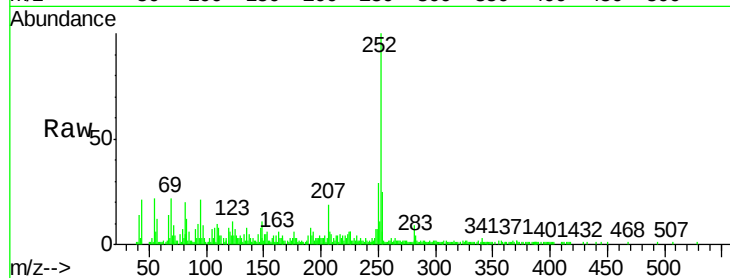
Tgt Ion:252 Resp: 42328

Ion Ratio Lower Upper

252 100

253 24.6 18.9 28.3

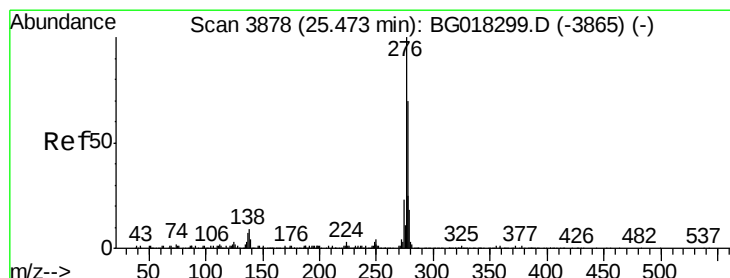
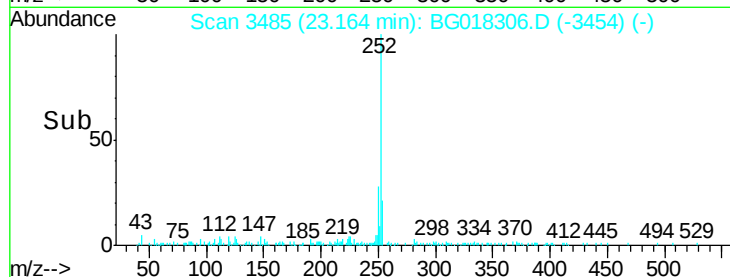
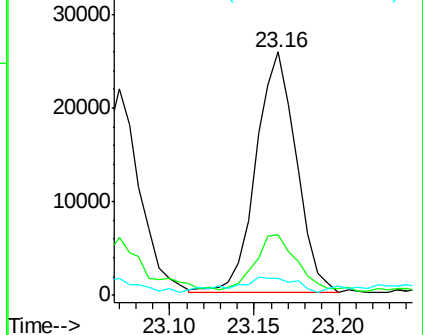
125 7.0 3.2 4.8#



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: 7.06 ng/ul

RT: 25.44 min Scan# 3873

Delta R.T. -0.03 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

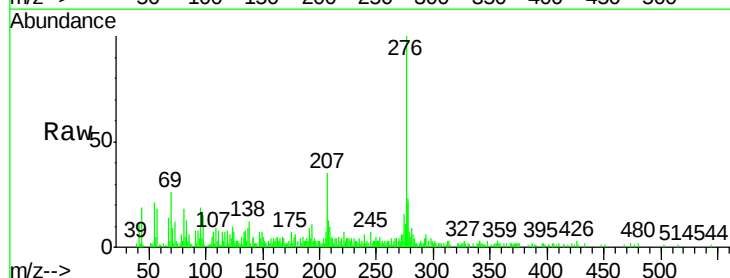
Tgt Ion:276 Resp: 39583

Ion Ratio Lower Upper

276 100

138 12.2 8.2 12.4

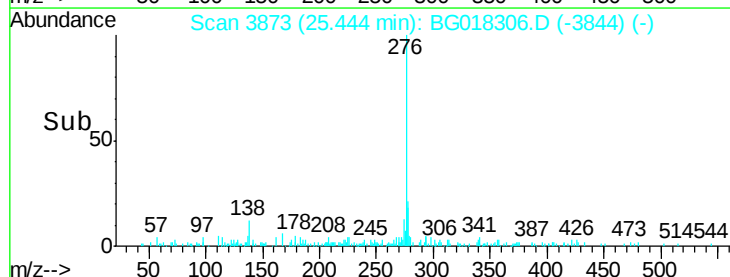
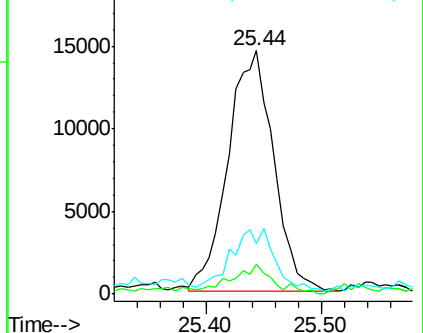
277 20.7 20.1 30.1

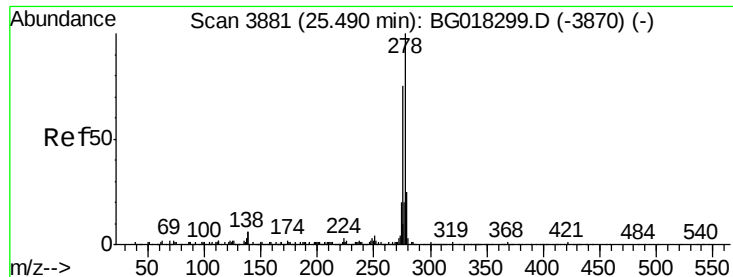


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.35 ng/ul

RT: 25.43 min Scan# 3871

Delta R.T. -0.06 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

Instrument :

BNA_G

ClientSampleID :

C01W2DL

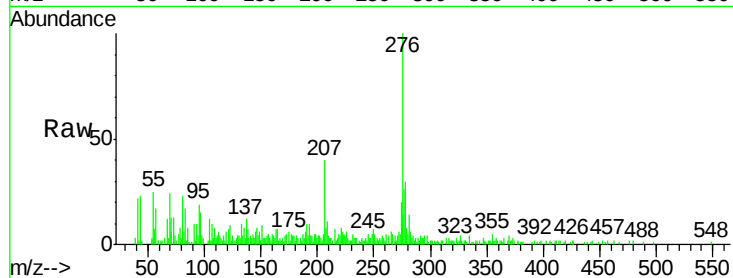
Tgt Ion:278 Resp: 6650

Ion Ratio Lower Upper

278 100

139 9.8 5.8 8.8#

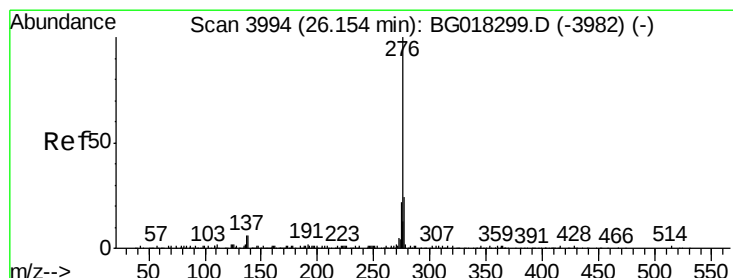
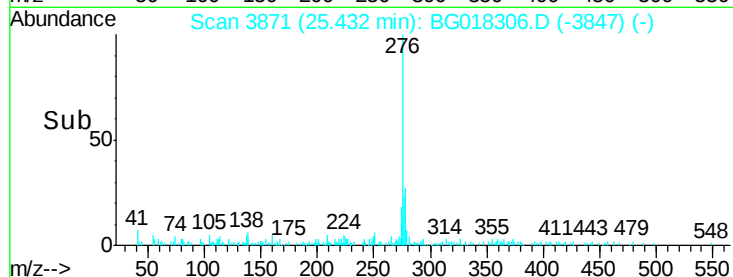
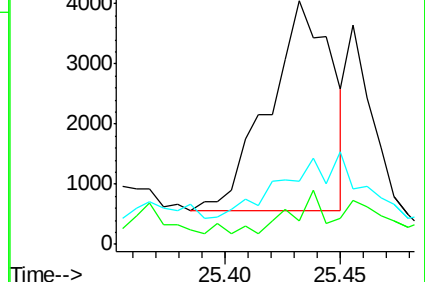
279 26.0 19.8 29.6



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: 7.67 ng/ul

RT: 26.11 min Scan# 3987

Delta R.T. -0.04 min

Lab File: BG018306.D

Acq: 6 Aug 2015 15:55

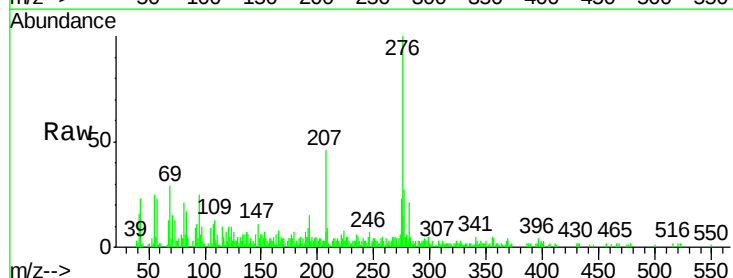
Tgt Ion:276 Resp: 34880

Ion Ratio Lower Upper

276 100

138 6.0 6.0 9.0#

277 26.8 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

