

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
 Data File : BG018366.D
 Acq On : 10 Aug 2015 22:50
 Operator : UM/MA
 Sample : G3109-04DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P5DL

Quant Time: Aug 11 01:44:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 11 01:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	111600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	513402	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	310793	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	668361	20.00	ng/ul	0.00
78) Chrysene-d12	21.67	240	564933	20.00	ng/ul	0.01
86) Perylene-d12	24.90	264	571199	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1368	0.54	ng/uL	0.00
5) Phenol-d5	7.20	99	25168	2.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	15724	2.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	19481	2.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	12757	1.50	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	10459	2.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	10526	2.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	19248	2.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	1289	0.13	ng/ul	0.01
44) Dimethylphthalate-d6	14.06	166	63719	2.44	ng/ul	0.00
47) Acenaphthylene-d8	14.35	160	79026	2.40	ng/ul	0.00
52) 4-Nitrophenol-d4	14.84	143	7432	1.58	ng/ul	0.00
58) Fluorene-d10	15.65	176	56435	2.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.76	200	1837	0.56	ng/ul	0.00
71) Anthracene-d10	17.41	188	668361	20.91	ng/ul	-0.09
79) Pyrene-d10	19.79	212	72300	2.47	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.67	264	69559	2.29	ng/ul	0.01

Target Compounds

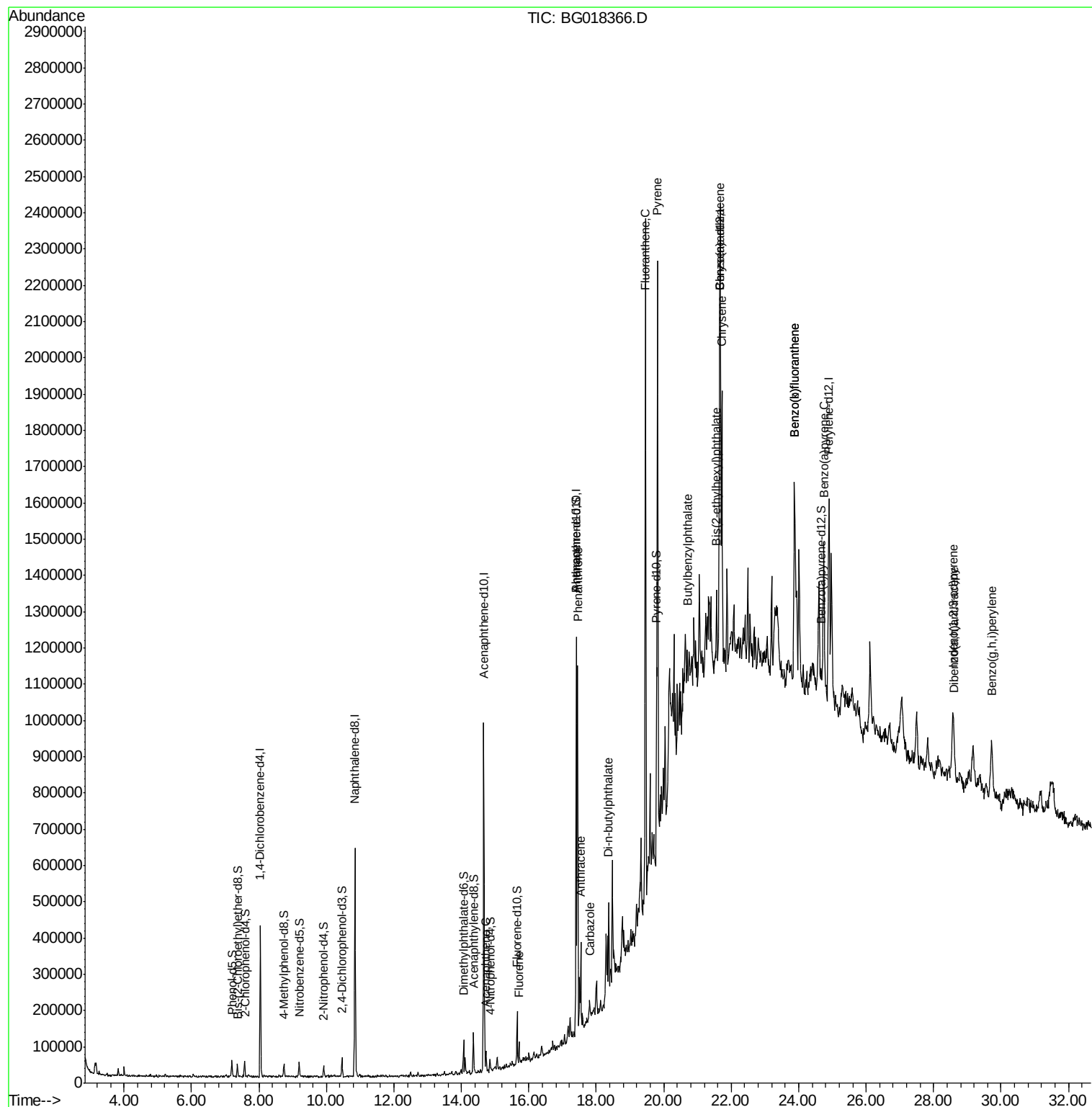
						Qvalue
50) Acenaphthene	14.73	153	23229	1.00	ng/ul	93
59) Fluorene	15.70	166	28863	1.11	ng/ul#	90
70) Phenanthrene	17.45	178	607228	16.75	ng/ul	99
72) Anthracene	17.54	178	152060	4.11	ng/ul	96
75) Carbazole	17.80	167	33669	1.04	ng/ul	94
76) Di-n-butylphthalate	18.37	149	174188	4.12	ng/ul	99
77) Fluoranthene	19.46	202	1114223	28.77	ng/ul	99
80) Pyrene	19.82	202	970571	25.41	ng/ul	100
81) Butylbenzylphthalate	20.70	149	17321	1.07	ng/ul#	74
83) Benzo(a)anthracene	21.66	228	526996	15.05	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.57	149	79175	3.47	ng/ul#	90
85) Chrysene	21.72	228	469281	14.33	ng/ul	95
88) Benzo(b)fluoranthene	23.88	252	615862	17.16	ng/ul#	94
89) Benzo(k)fluoranthene	23.88	252	615862	17.82	ng/ul#	94
91) Benzo(a)pyrene	24.74	252	429088	12.58	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	28.58	276	282994	7.17	ng/ul	94
93) Dibenzo(a,h)anthracene	28.61	278	40236	1.23	ng/ul#	70
94) Benzo(g,h,i)perylene	29.71	276	143800	4.34	ng/ul	96

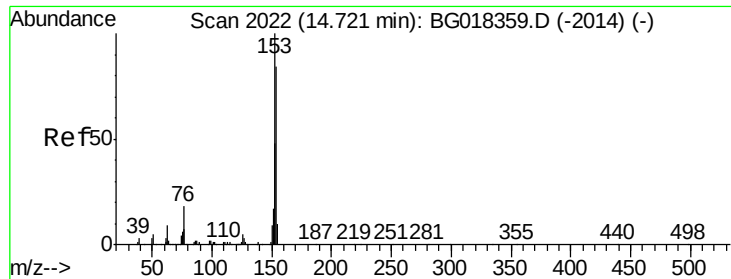
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#50

Acenaphthene

Concen: 1.00 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

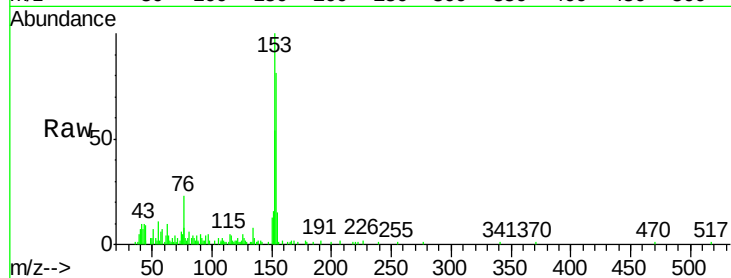
Tgt Ion:153 Resp: 23229

Ion Ratio Lower Upper

153 100

152 54.1 38.2 57.4

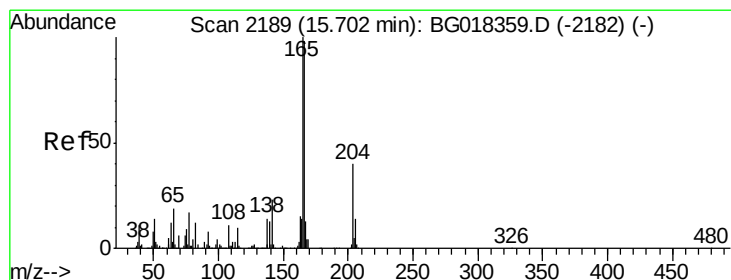
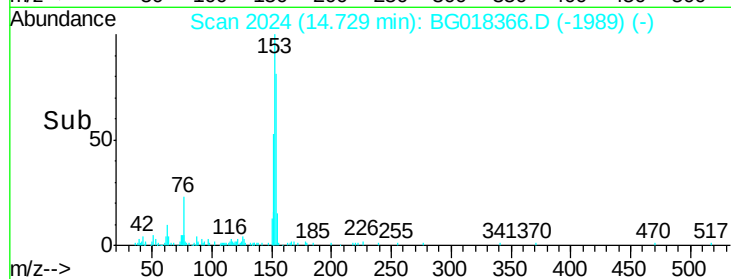
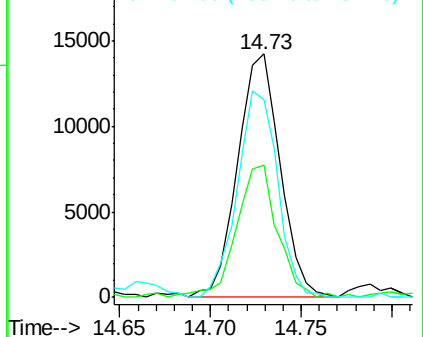
154 81.2 68.6 103.0



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: 1.11 ng/ul

RT: 15.70 min Scan# 2190

Delta R.T. 0.00 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

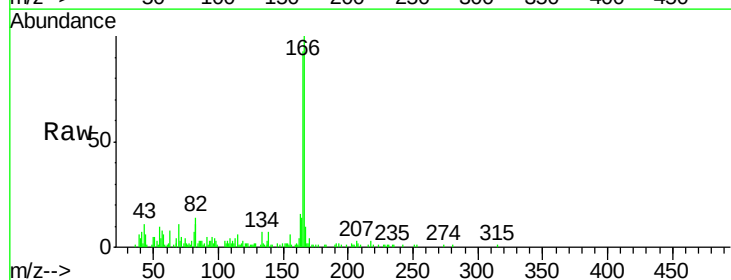
Tgt Ion:166 Resp: 28863

Ion Ratio Lower Upper

166 100

165 93.0 82.6 124.0

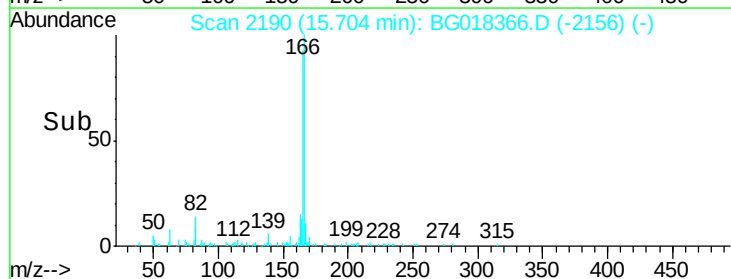
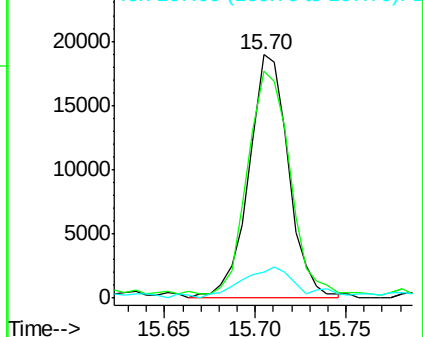
167 10.5 11.4 17.0#

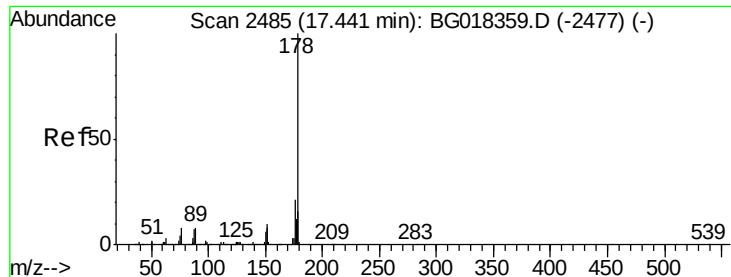


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.75 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

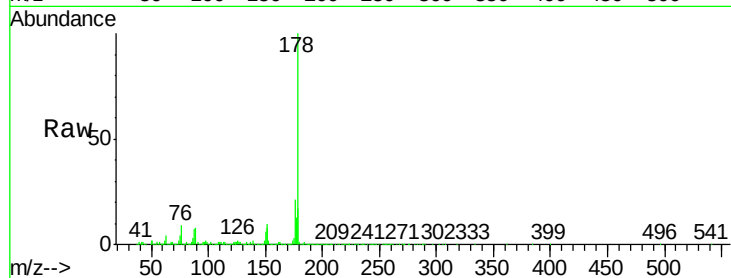
Tgt Ion:178 Resp: 607228

Ion Ratio Lower Upper

178 100

179 16.6 13.7 20.5

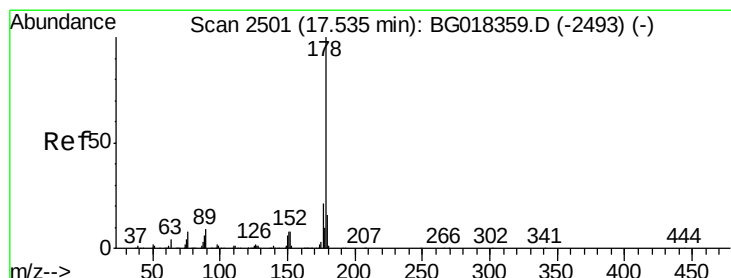
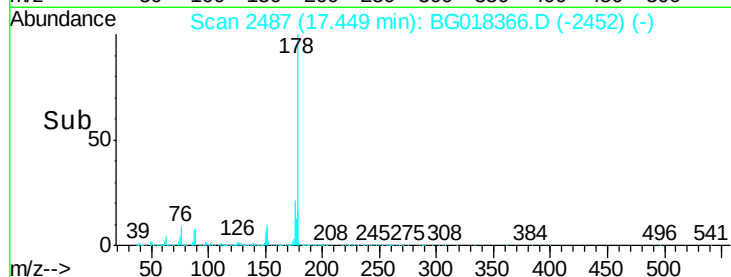
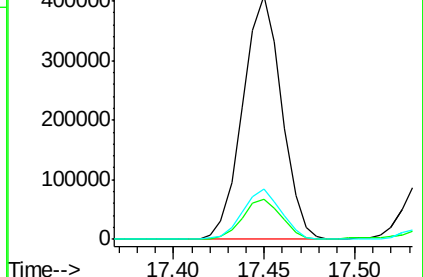
176 20.8 16.6 24.8



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: 4.11 ng/ul

RT: 17.54 min Scan# 2502

Delta R.T. 0.00 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

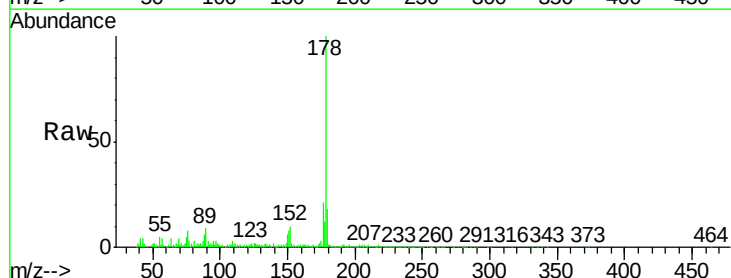
Tgt Ion:178 Resp: 152060

Ion Ratio Lower Upper

178 100

179 18.3 13.0 19.4

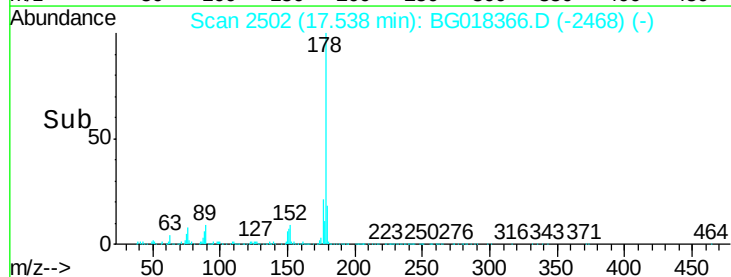
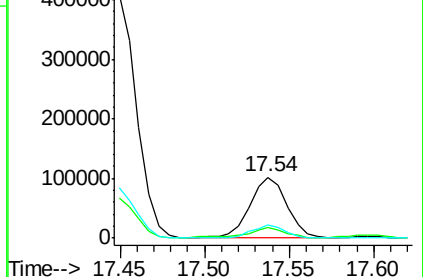
176 21.4 16.0 24.0

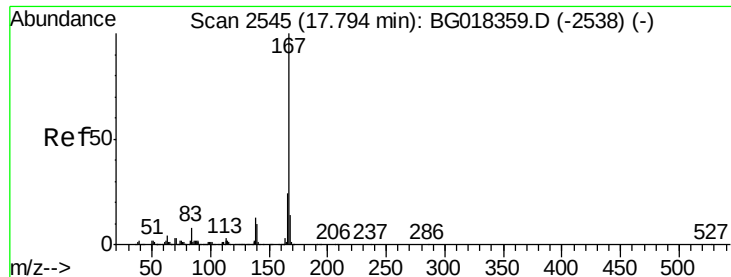


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.04 ng/ul

RT: 17.80 min Scan# 2547

Delta R.T. 0.01 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

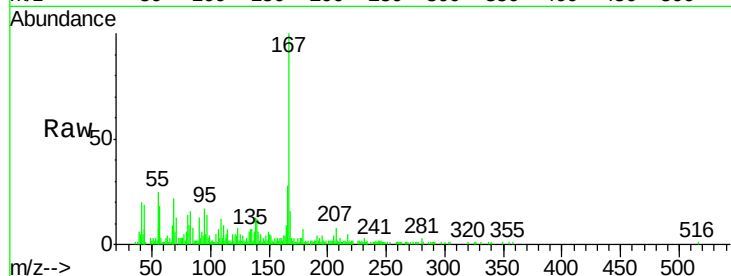
Tgt Ion:167 Resp: 33669

Ion Ratio Lower Upper

167 100

166 27.6 18.9 28.3

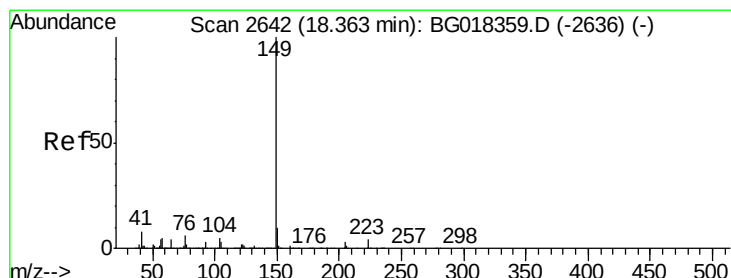
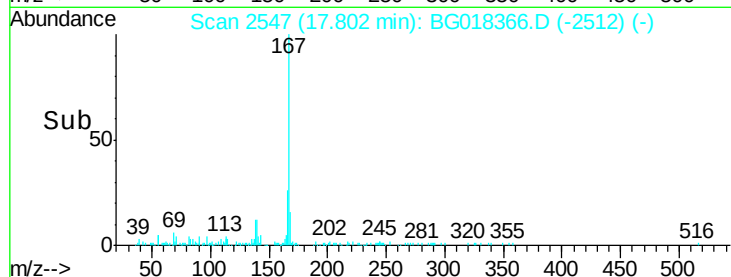
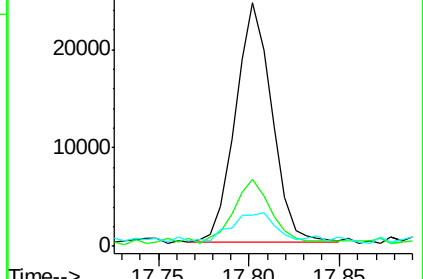
139 13.0 10.1 15.1



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: 4.12 ng/ul

RT: 18.37 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

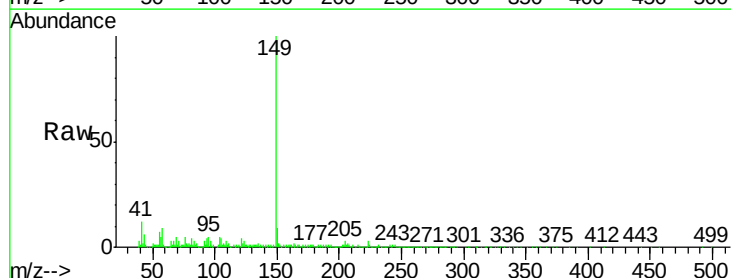
Tgt Ion:149 Resp: 174188

Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

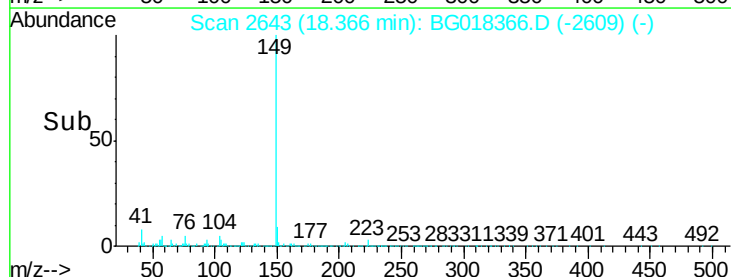
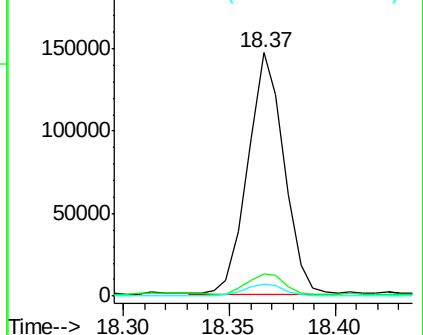
104 4.9 4.3 6.5

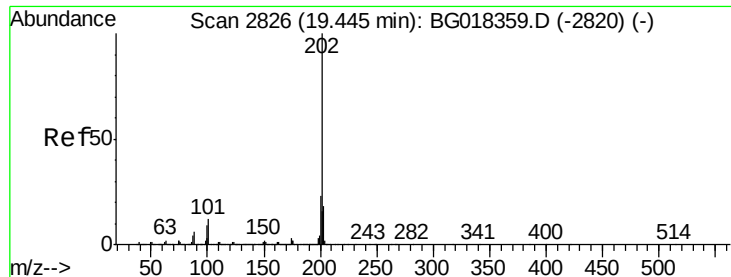


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#77

Fluoranthene

Concen: 28.77 ng/ul

RT: 19.46 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

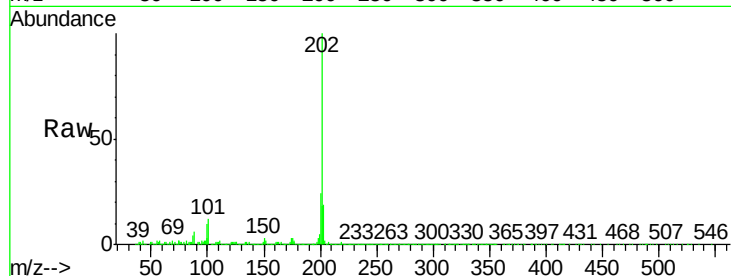
Tgt Ion:202 Resp: 1114223

Ion Ratio Lower Upper

202 100

101 11.7 9.7 14.5

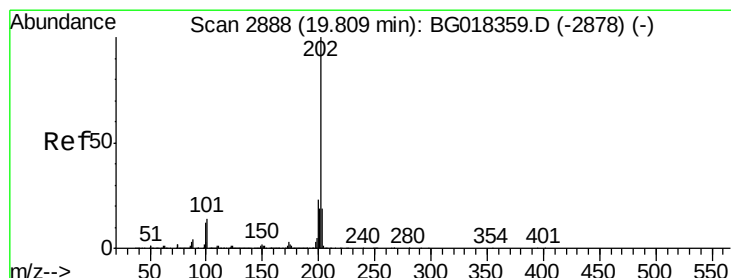
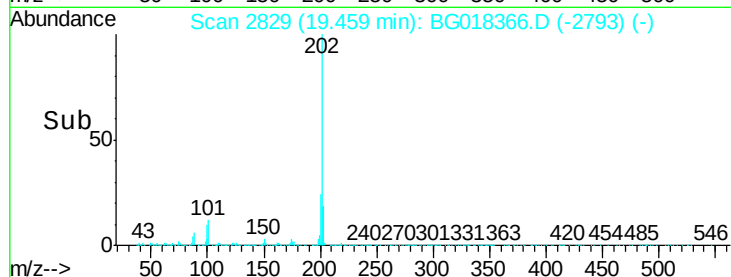
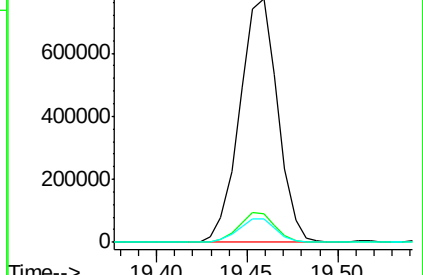
100 9.7 7.8 11.8



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: 25.41 ng/ul

RT: 19.82 min Scan# 2890

Delta R.T. 0.01 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

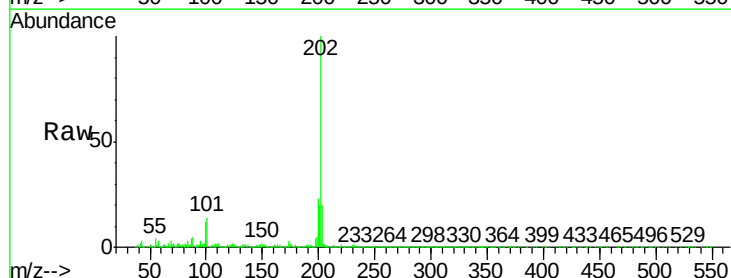
Tgt Ion:202 Resp: 970571

Ion Ratio Lower Upper

202 100

101 13.5 11.0 16.4

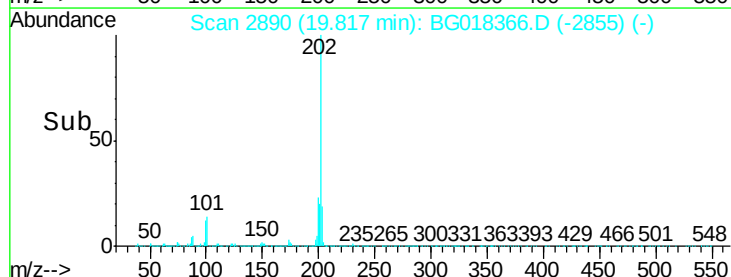
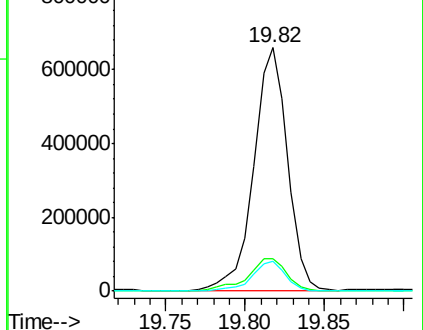
100 12.4 9.8 14.6

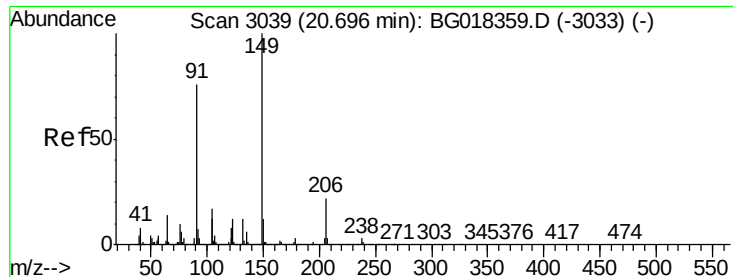


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

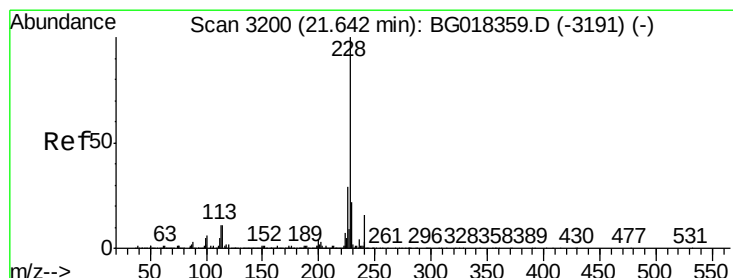
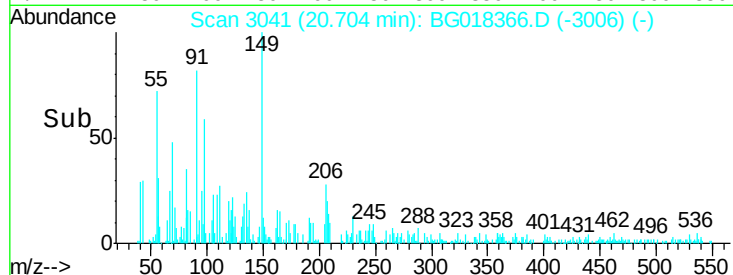
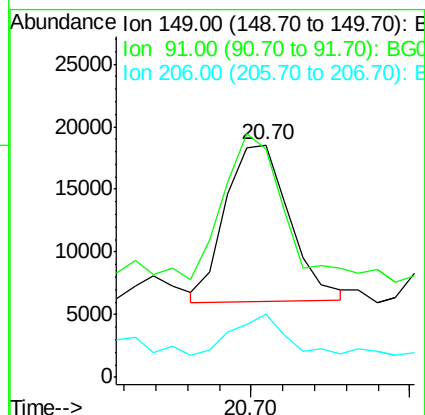
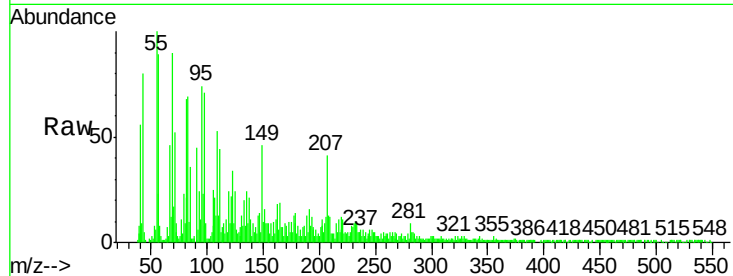




#81
Butylbenzylphthalate
Concen: 1.07 ng/ul
RT: 20.70 min Scan# 3041
Delta R.T. 0.01 min
Lab File: BG018366.D
Acq: 10 Aug 2015 22:50

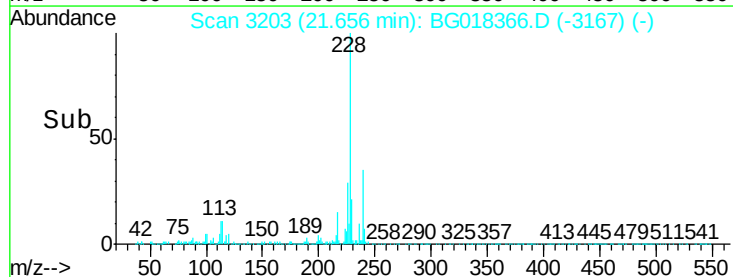
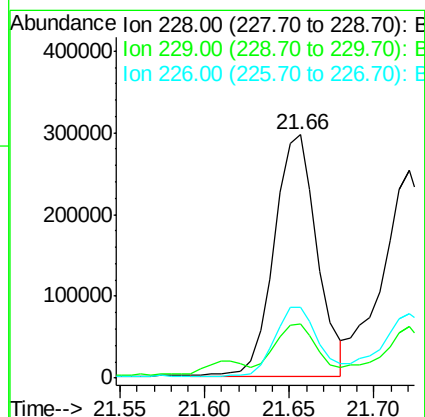
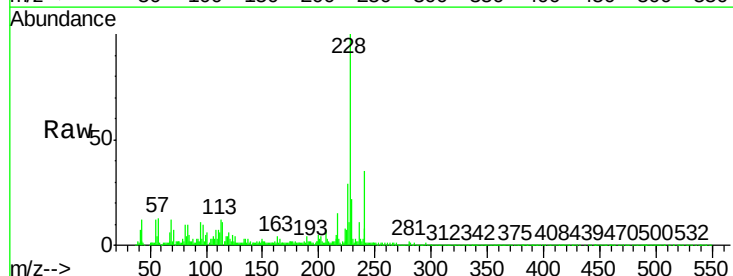
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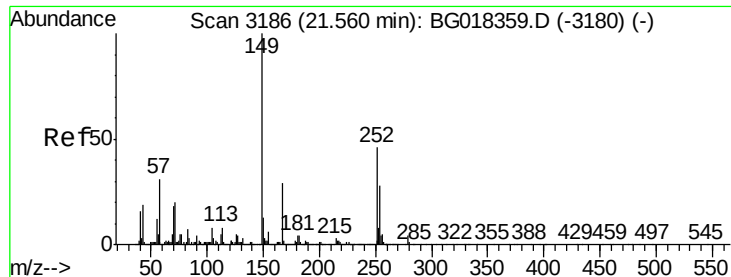
Tgt Ion:149 Resp: 17321
Ion Ratio Lower Upper
149 100
91 98.1 57.9 86.9#
206 27.2 17.9 26.9#



#83
Benzo(a)anthracene
Concen: 15.05 ng/ul
RT: 21.66 min Scan# 3203
Delta R.T. 0.01 min
Lab File: BG018366.D
Acq: 10 Aug 2015 22:50

Tgt Ion:228 Resp: 526996
Ion Ratio Lower Upper
228 100
229 22.1 15.5 23.3
226 29.3 22.1 33.1

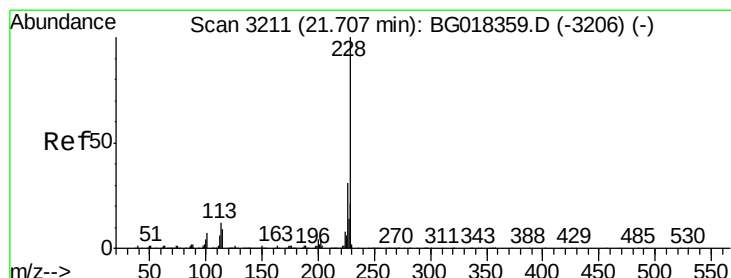
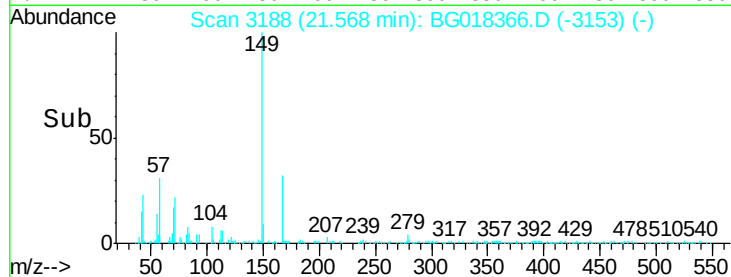
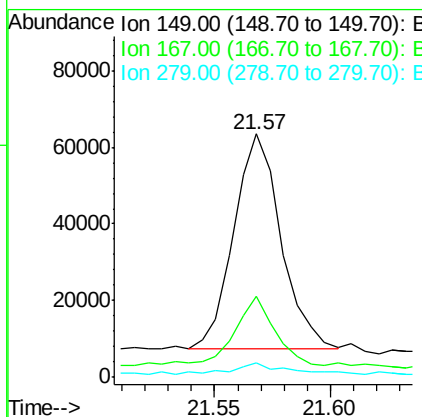
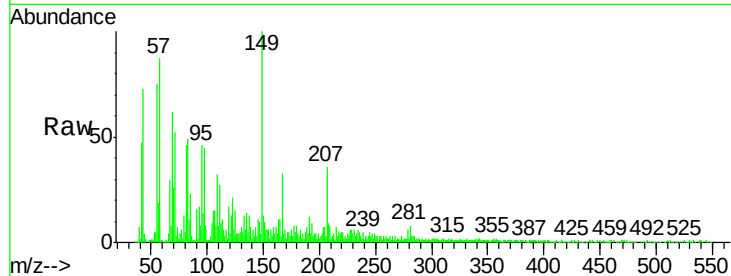




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.47 ng/ul
 RT: 21.57 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: BG018366.D
 Acq: 10 Aug 2015 22:50

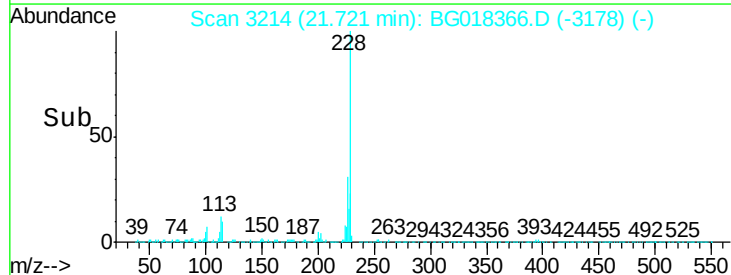
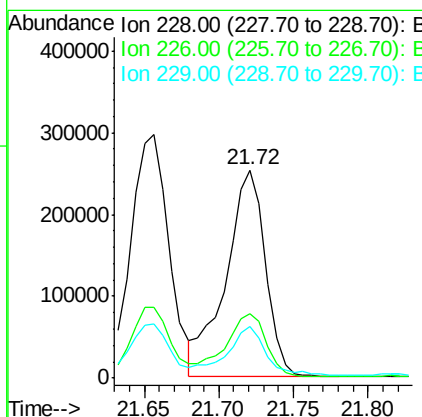
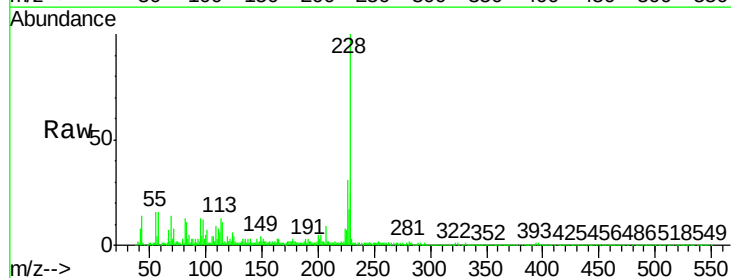
Instrument :
 BNA_G
 ClientSampleId :
 C01P5DL

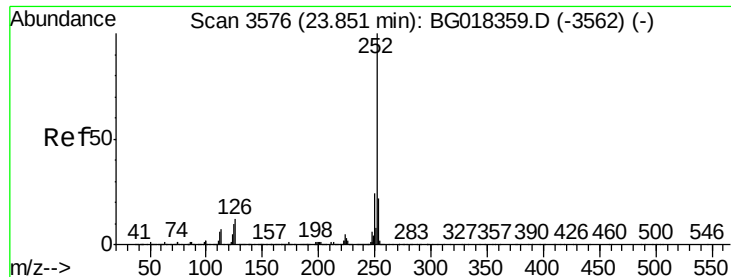
Tgt Ion:149 Resp: 79175
 Ion Ratio Lower Upper
 149 100
 167 33.0 22.2 33.2
 279 5.8 2.8 4.2#



#85
 Chrysene
 Concen: 14.33 ng/ul
 RT: 21.72 min Scan# 3214
 Delta R.T. 0.01 min
 Lab File: BG018366.D
 Acq: 10 Aug 2015 22:50

Tgt Ion:228 Resp: 469281
 Ion Ratio Lower Upper
 228 100
 226 31.0 26.5 39.7
 229 24.5 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 17.16 ng/ul

RT: 23.88 min Scan# 3581

Delta R.T. 0.03 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

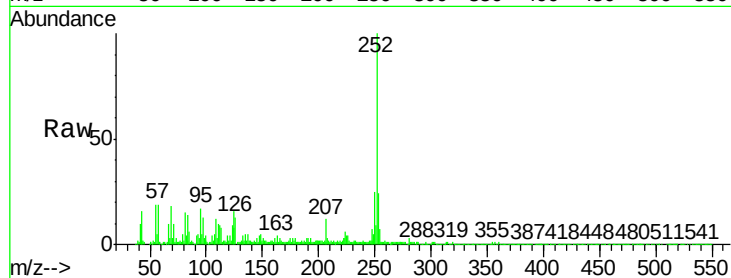
Tgt Ion:252 Resp: 615862

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

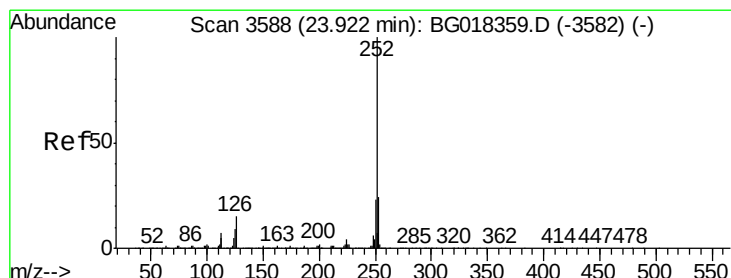
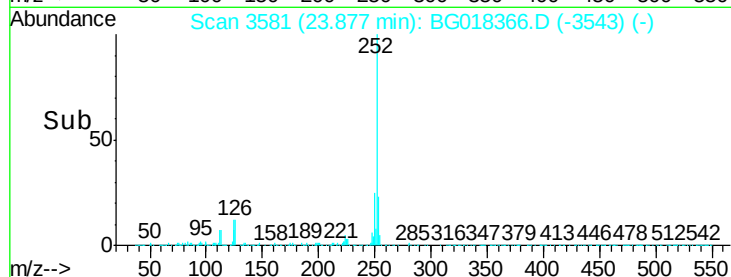
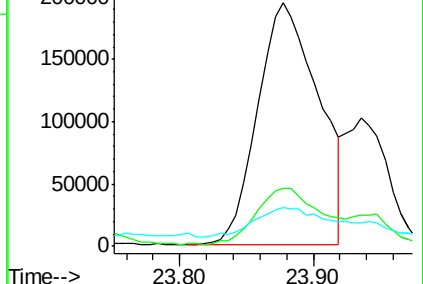
125 16.2 8.3 12.5#



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: 17.82 ng/ul

RT: 23.88 min Scan# 3581

Delta R.T. -0.04 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

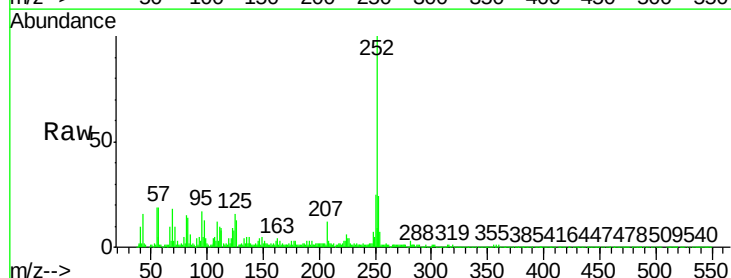
Tgt Ion:252 Resp: 615862

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

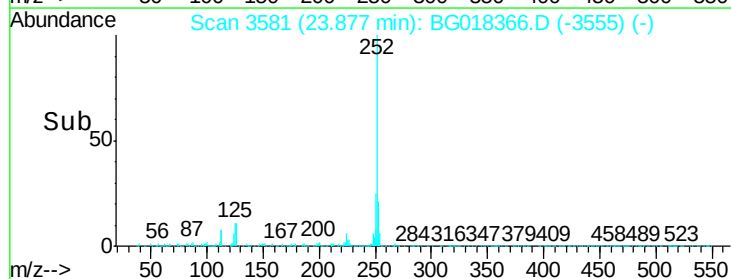
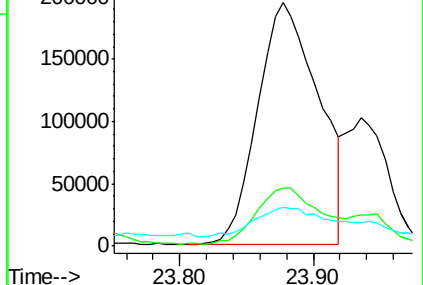
125 16.2 9.0 13.4#

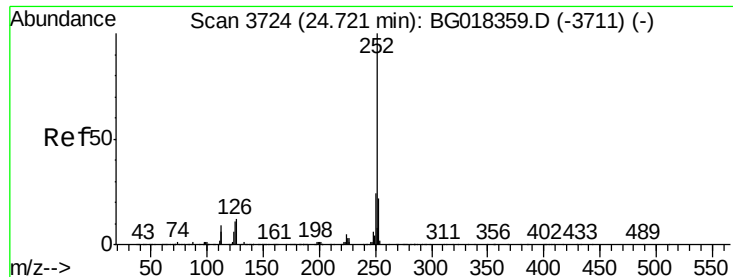


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 12.58 ng/ul

RT: 24.74 min Scan# 3728

Delta R.T. 0.02 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

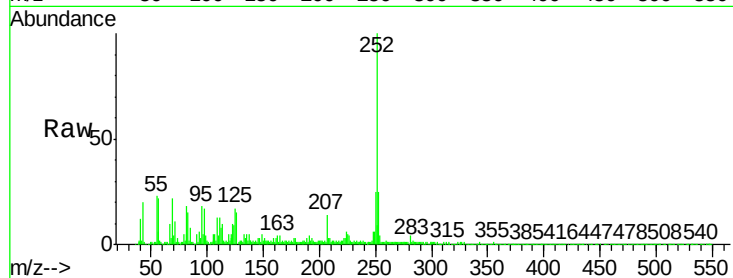
Tgt Ion:252 Resp: 429088

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

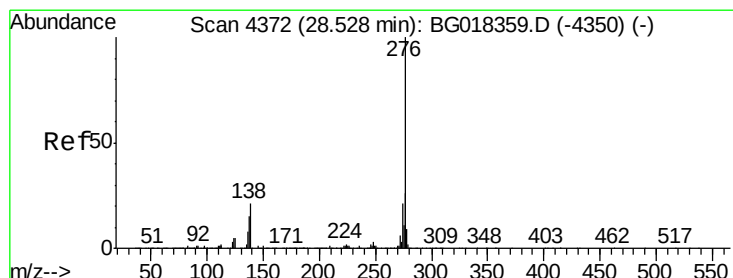
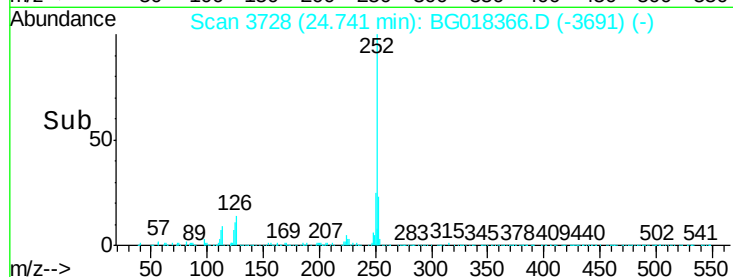
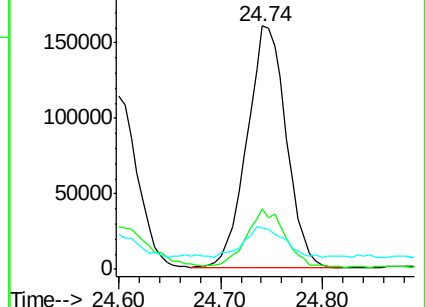
125 16.8 10.2 15.2#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.17 ng/ul

RT: 28.58 min Scan# 4382

Delta R.T. 0.06 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

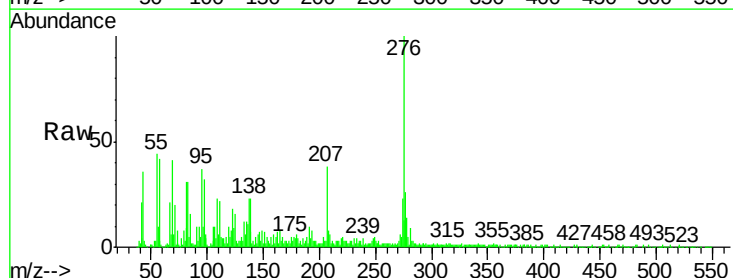
Tgt Ion:276 Resp: 282994

Ion Ratio Lower Upper

276 100

138 23.5 15.8 23.6

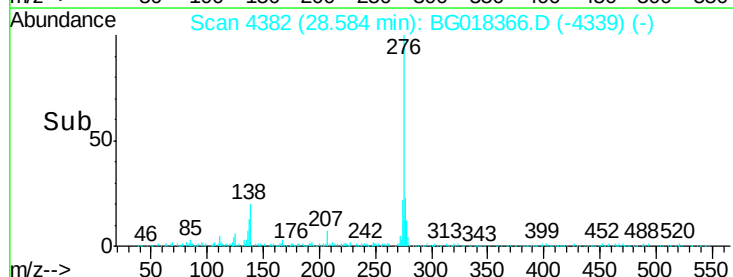
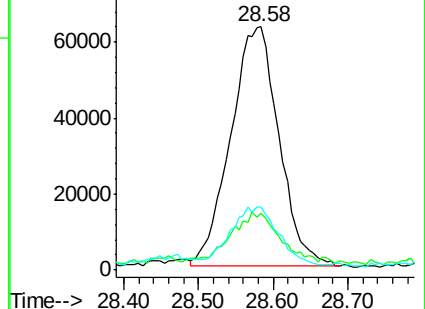
277 25.7 18.9 28.3

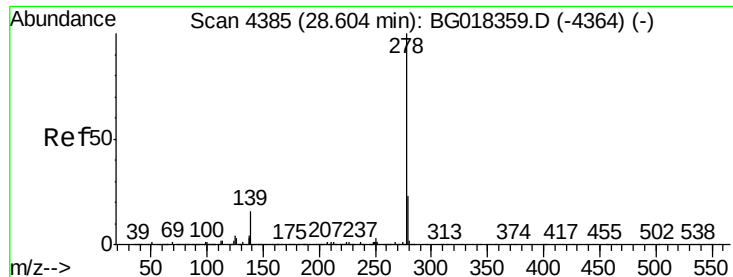


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.23 ng/ul

RT: 28.61 min Scan# 4387

Delta R.T. 0.01 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Instrument :

BNA_G

ClientSampleId :

C01P5DL

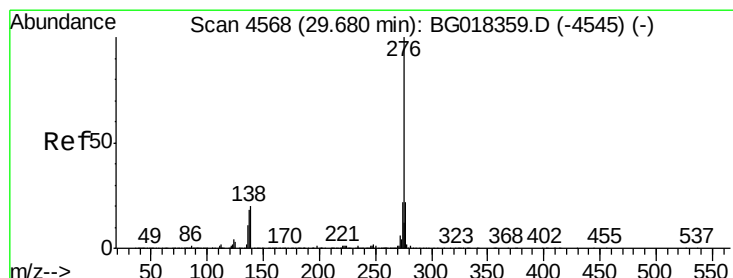
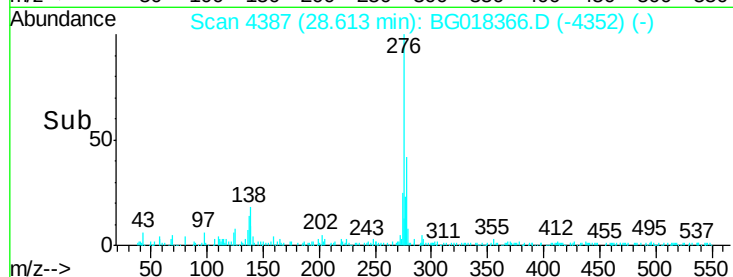
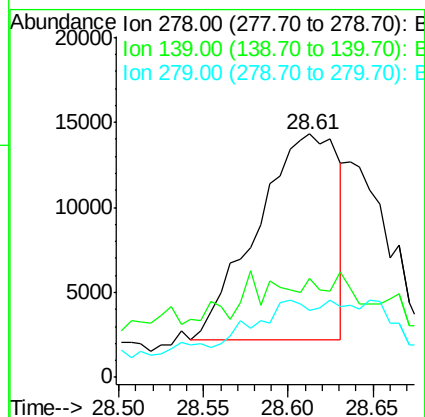
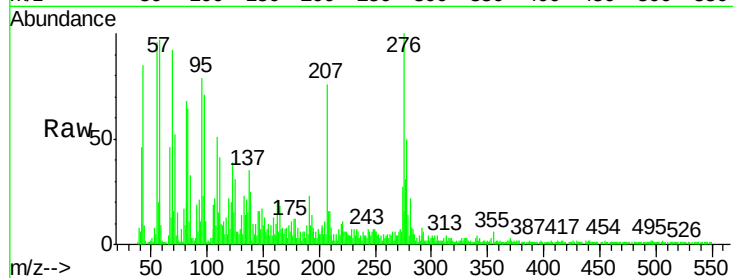
Tgt Ion:278 Resp: 40236

Ion Ratio Lower Upper

278 100

139 40.5 13.8 20.6#

279 27.6 17.8 26.8#



#94

Benzo(g,h,i)perylene

Concen: 4.34 ng/ul

RT: 29.71 min Scan# 4574

Delta R.T. 0.03 min

Lab File: BG018366.D

Acq: 10 Aug 2015 22:50

Tgt Ion:276 Resp: 143800

Ion Ratio Lower Upper

276 100

138 22.4 16.5 24.7

277 25.4 19.0 28.6

