

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081115\
 Data File : BG018389.D
 Acq On : 11 Aug 2015 19:58
 Operator : UM/MA
 Sample : G3154-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02L7

Quant Time: Aug 12 01:02:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 00:54:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	134475	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	615522	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	355271	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	710323	20.00	ng/ul	0.00
78) Chrysene-d12	21.69	240	611960	20.00	ng/ul	0.01
86) Perylene-d12	24.92	264	617227	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	5151	1.69	ng/uL	0.00
5) Phenol-d5	7.20	99	96965	7.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	82242	10.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	82853	8.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	33348	3.25	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	55554	11.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	56116	11.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	93962	9.06	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	38805	3.31	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	328858	11.00	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	413593	10.99	ng/ul	0.00
52) 4-Nitrophenol-d4	14.86	143	35865	6.67	ng/ul	0.00
58) Fluorene-d10	15.66	176	267298	10.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	5911	1.69	ng/ul	0.00
71) Anthracene-d10	17.51	188	338797	9.97	ng/ul	0.00
79) Pyrene-d10	19.80	212	288796	9.10	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.69	264	216442	6.61	ng/ul	0.02

Target Compounds

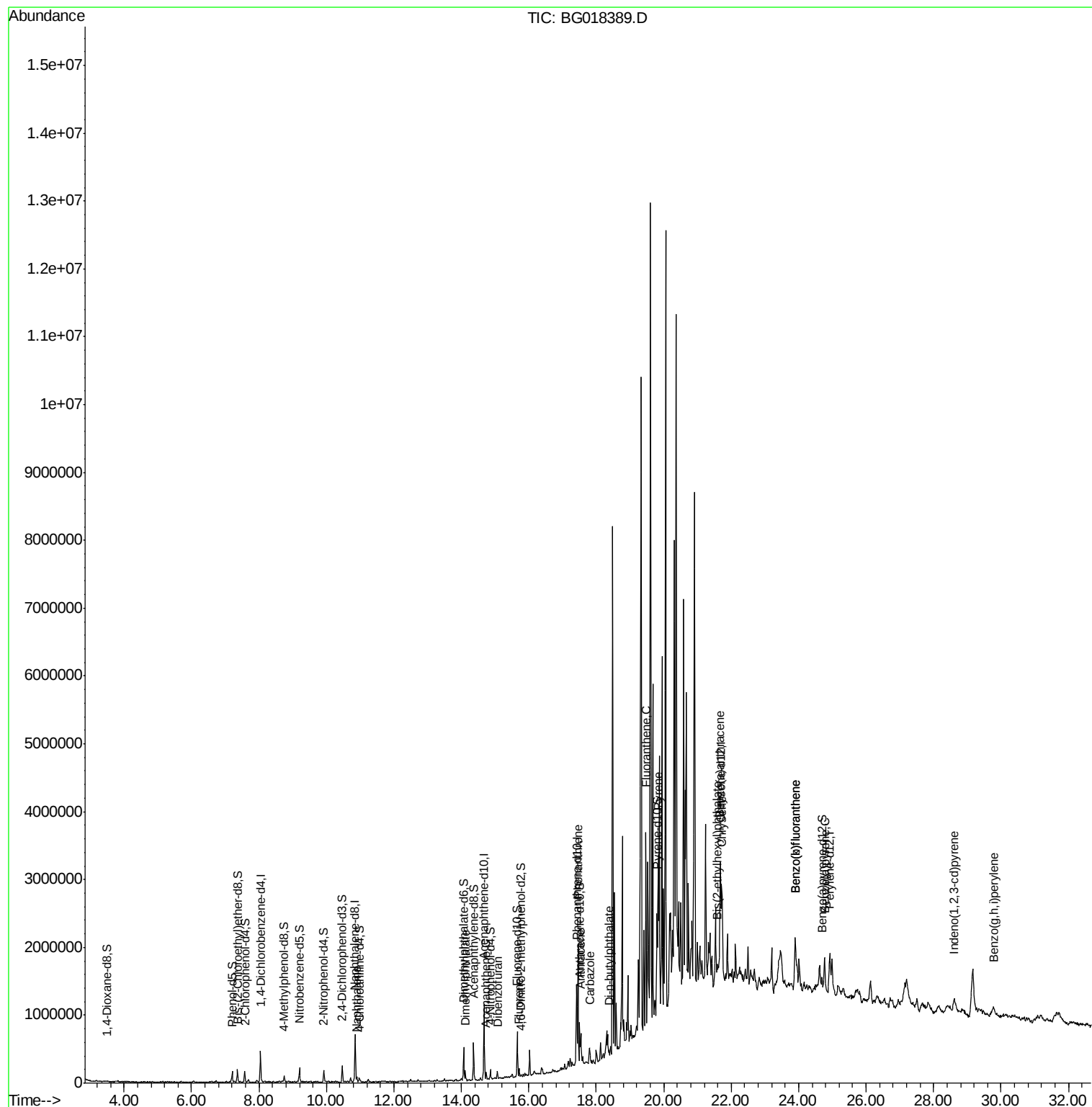
						Qvalue
28) Naphthalene	10.90	128	64210	1.97	ng/ul	97
45) Dimethylphthalate	14.11	163	99741	3.38	ng/ul	99
50) Acenaphthene	14.74	153	45677	1.72	ng/ul	93
54) Dibenzofuran	15.07	168	48051	1.39	ng/ul	97
59) Fluorene	15.71	166	51697	1.74	ng/ul	97
70) Phenanthrene	17.46	178	1047997	27.19	ng/ul	100
72) Anthracene	17.54	178	288359	7.34	ng/ul	100
75) Carbazole	17.81	167	117517	3.41	ng/ul	100
76) Di-n-butylphthalate	18.37	149	52382	1.16	ng/ul#	95
77) Fluoranthene	19.47	202	1667761	40.52	ng/ul	96
80) Pyrene	19.84	202	1444285	34.90	ng/ul	98
83) Benzo(a)anthracene	21.67	228	802344	21.15	ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.58	149	112812	4.56	ng/ul#	99
85) Chrysene	21.73	228	735540	20.73	ng/ul	97
88) Benzo(b)fluoranthene	23.90	252	847609	21.86	ng/ul#	93
89) Benzo(k)fluoranthene	23.90	252	847609	22.70	ng/ul#	93
91) Benzo(a)pyrene	24.77	252	582955	15.81	ng/ul#	90
92) Indeno(1,2,3-cd)pyrene	28.61	276	282554	6.62	ng/ul#	92
94) Benzo(g,h,i)perylene	29.77	276	236952	6.61	ng/ul	94

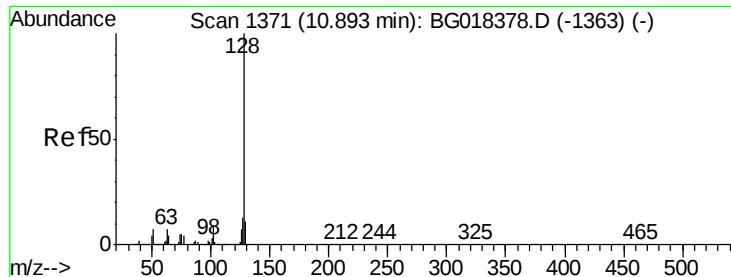
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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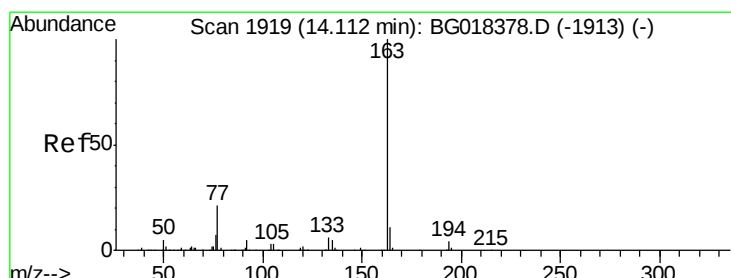
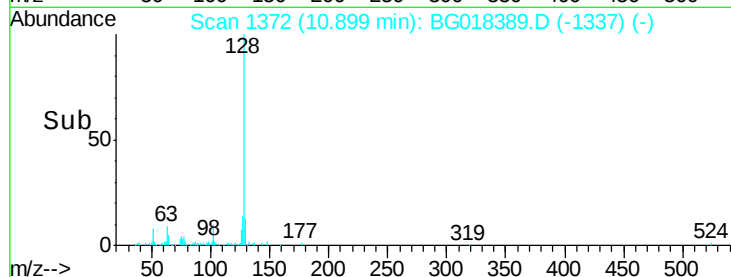
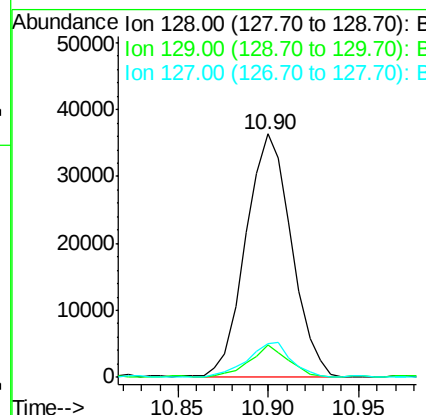
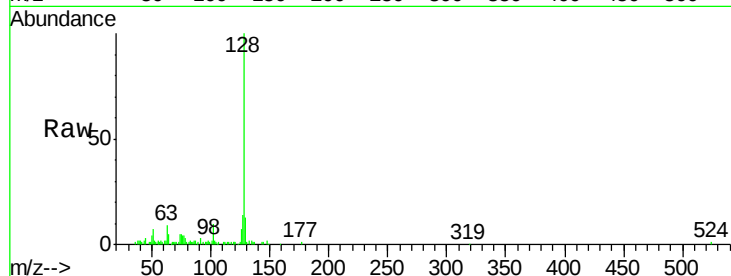




#28
Naphthalene
Concen: 1.97 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018389.D
Acq: 11 Aug 2015 19:58

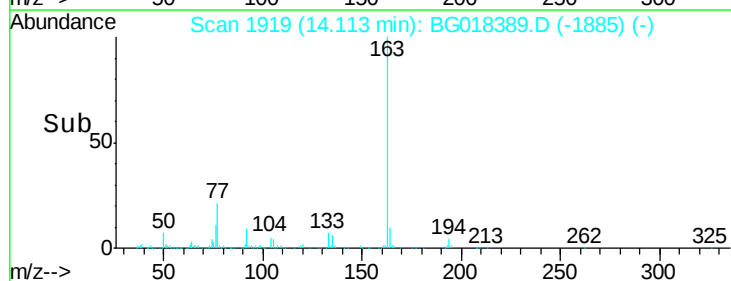
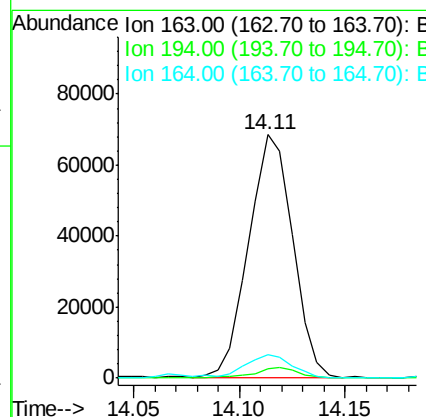
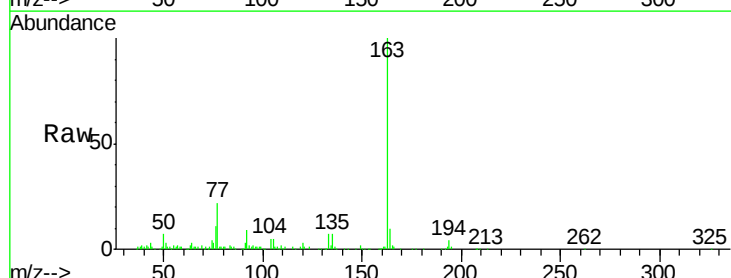
Instrument :
BNA_G
ClientSampleId :
C02L7

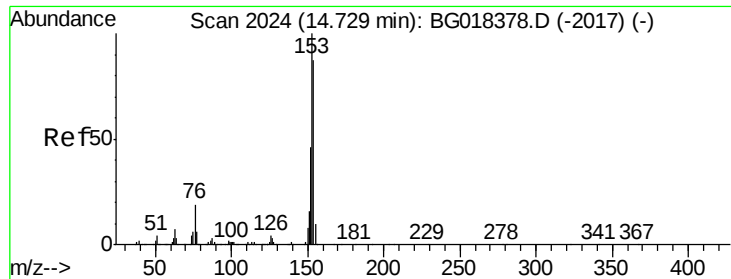
Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.6	14.4
127	13.8	10.5	15.7



#45
Dimethylphthalate
Concen: 3.38 ng/ul
RT: 14.11 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BG018389.D
Acq: 11 Aug 2015 19:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	9.9	7.7	11.5





#50

Acenaphthene

Concen: 1.72 ng/ul

RT: 14.74 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

Instrument :

BNA_G

ClientSampleId :

C02L7

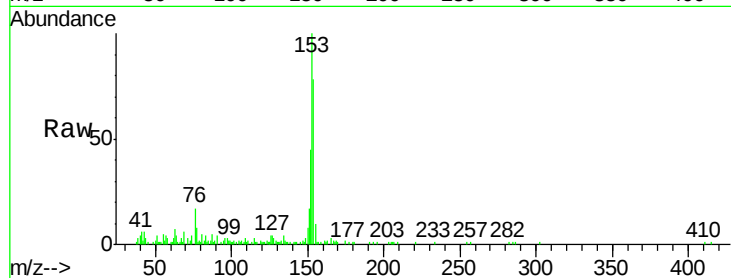
Tgt Ion:153 Resp: 45677

Ion Ratio Lower Upper

153 100

152 45.4 38.2 57.4

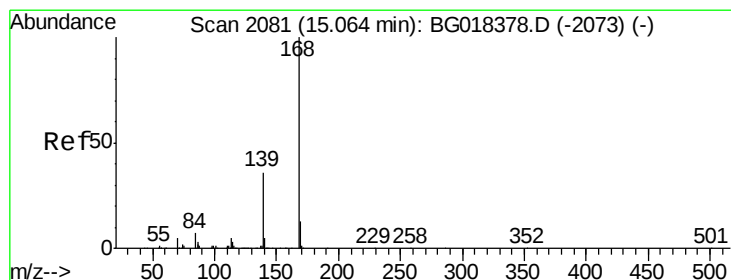
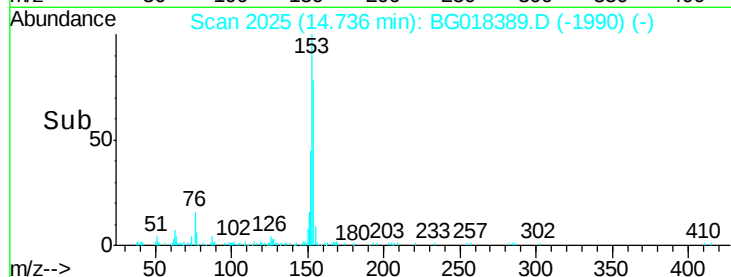
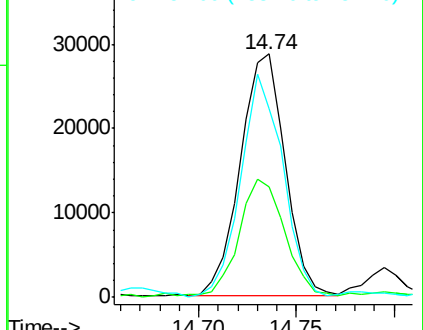
154 77.7 68.6 103.0



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



#54

Dibenzofuran

Concen: 1.39 ng/ul

RT: 15.07 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BG018389.D

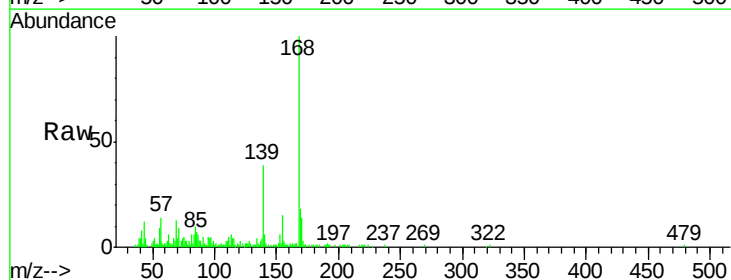
Acq: 11 Aug 2015 19:58

Tgt Ion:168 Resp: 48051

Ion Ratio Lower Upper

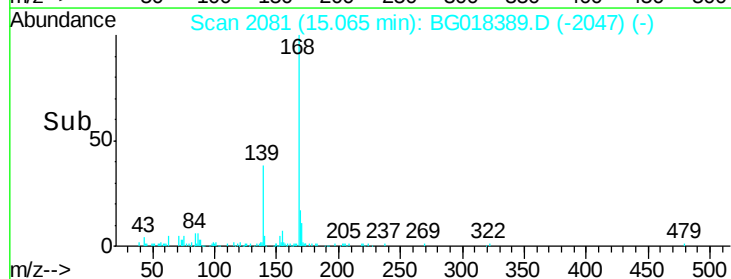
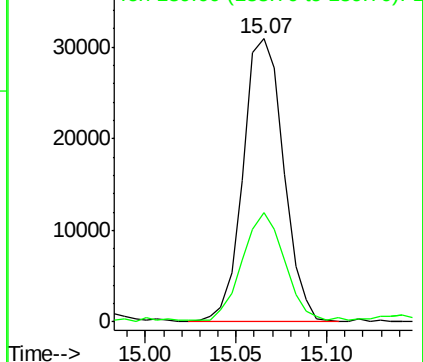
168 100

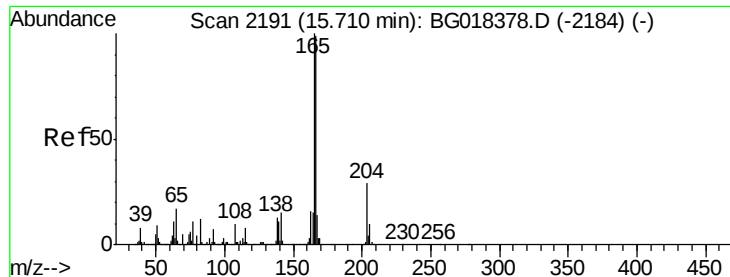
139 38.8 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.74 ng/ul

RT: 15.71 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

Instrument :

BNA_G

ClientSampleId :

C02L7

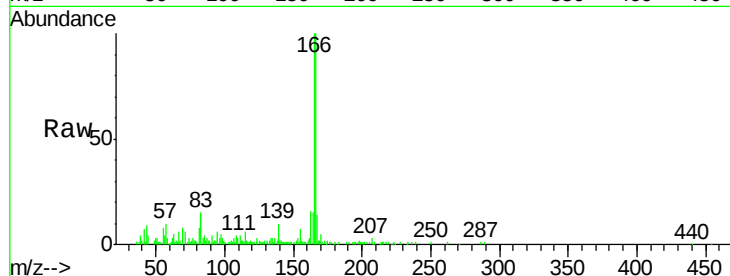
Tgt Ion:166 Resp: 51697

Ion Ratio Lower Upper

166 100

165 99.7 82.6 124.0

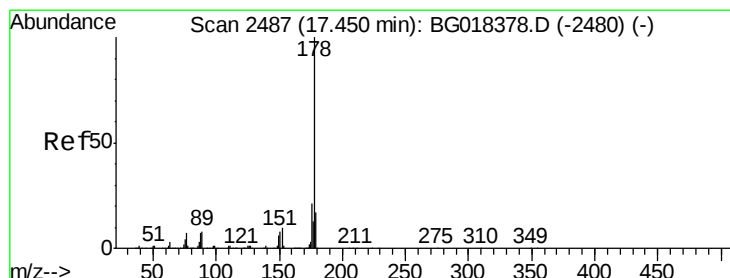
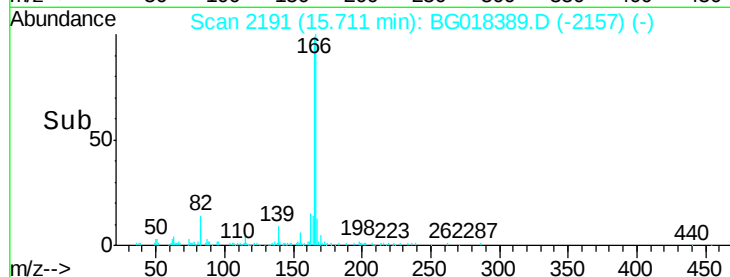
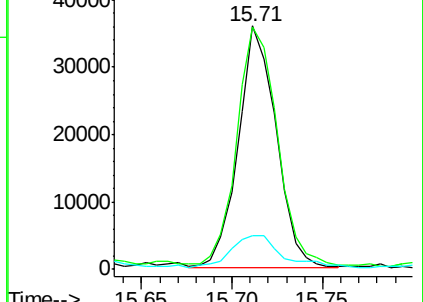
167 13.9 11.4 17.0



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: 27.19 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. 0.01 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

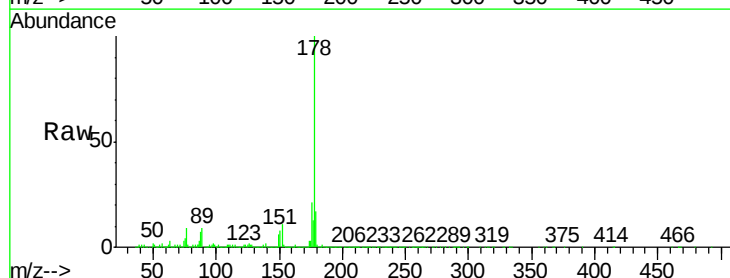
Tgt Ion:178 Resp: 1047997

Ion Ratio Lower Upper

178 100

179 17.1 13.7 20.5

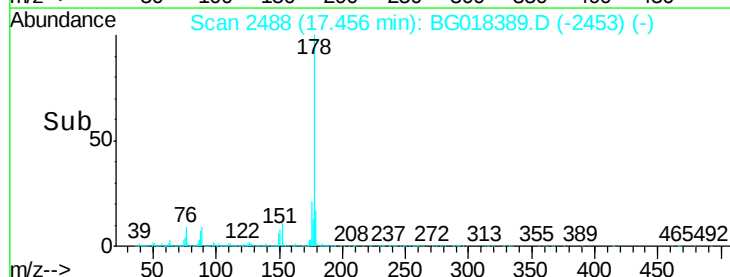
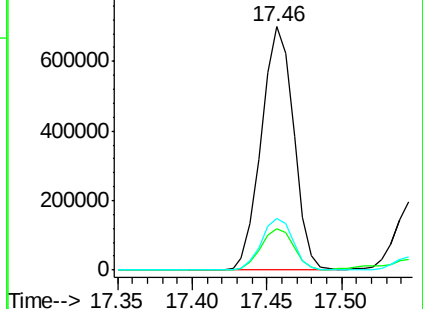
176 20.9 16.6 24.8

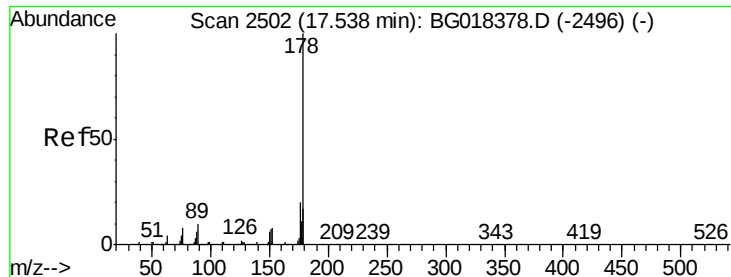


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.34 ng/ul

RT: 17.54 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

Instrument :

BNA_G

ClientSampleId :

C02L7

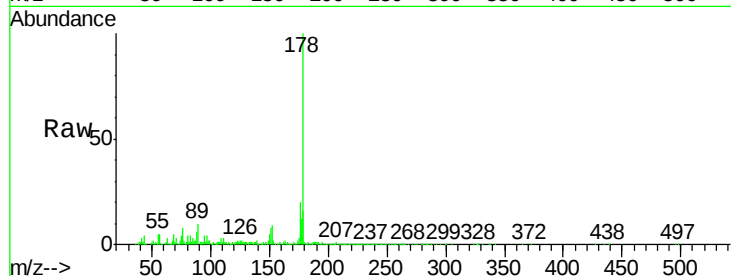
Tgt Ion:178 Resp: 288359

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.4

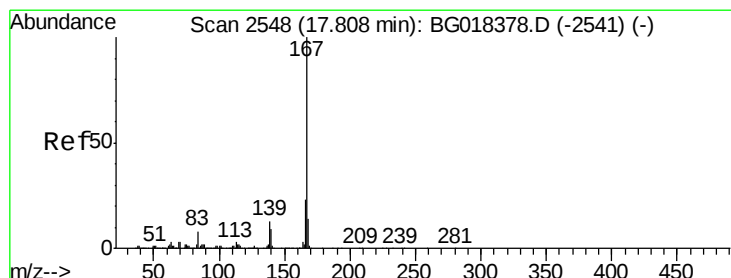
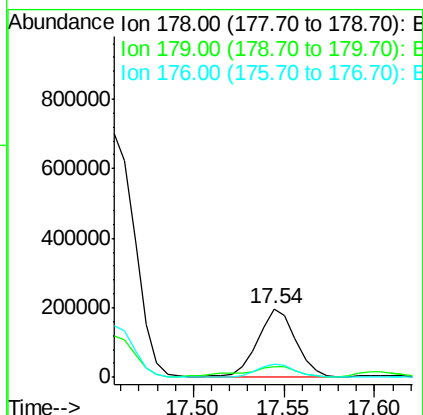
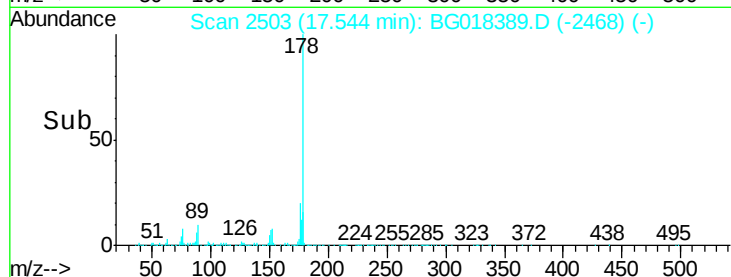
176 19.8 16.0 24.0



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: 3.41 ng/ul

RT: 17.81 min Scan# 2548

Delta R.T. 0.00 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

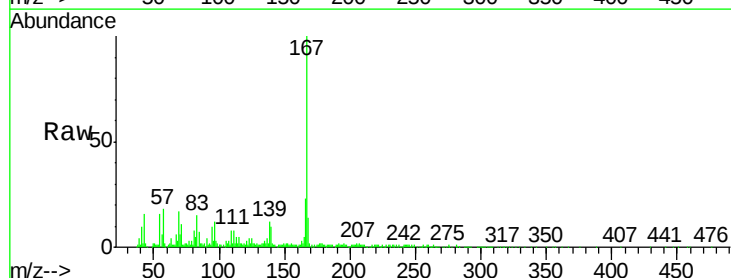
Tgt Ion:167 Resp: 117517

Ion Ratio Lower Upper

167 100

166 23.3 18.9 28.3

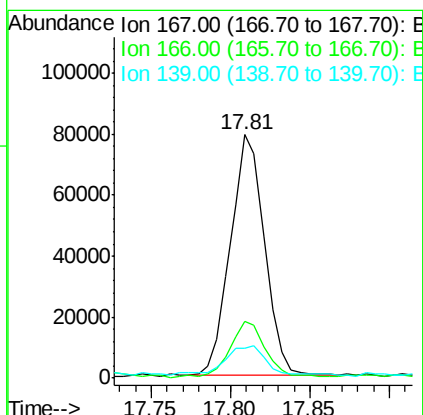
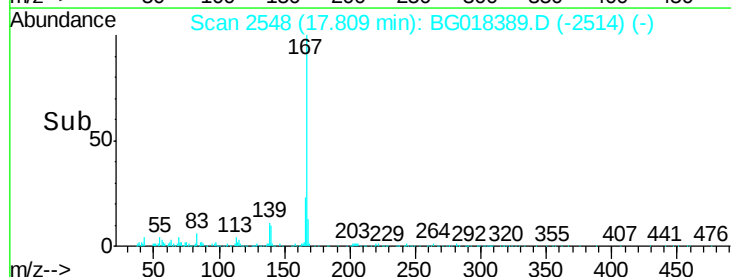
139 12.5 10.1 15.1

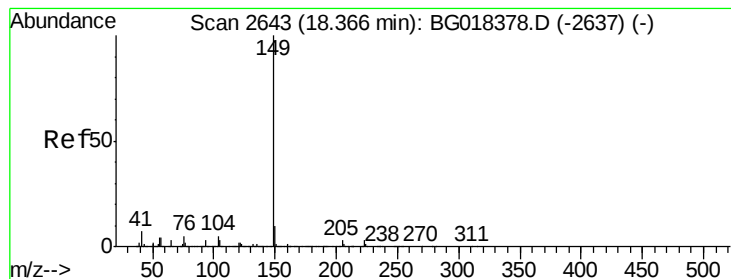


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 1.16 ng/ul

RT: 18.37 min Scan# 2644

Delta R.T. 0.01 min

Lab File: BG018389.D

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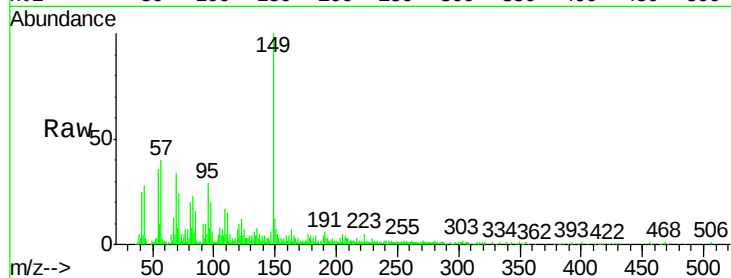
Tgt Ion:149 Resp: 52382

Ion Ratio Lower Upper

149 100

150 12.2 7.5 11.3#

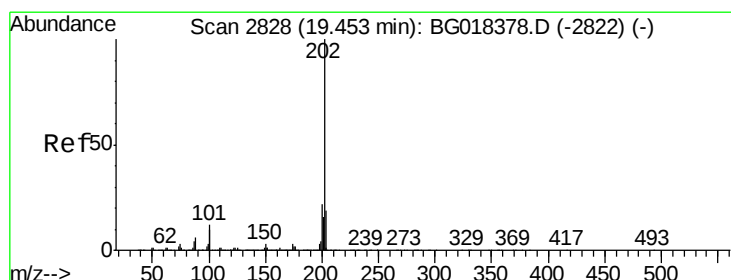
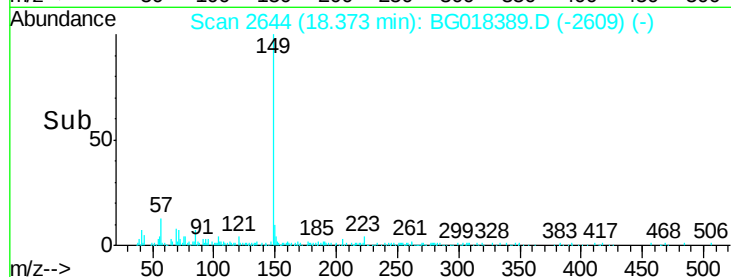
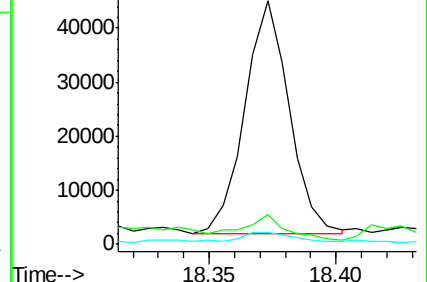
104 4.9 4.3 6.5



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: 40.52 ng/ul

RT: 19.47 min Scan# 2831

Delta R.T. 0.02 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

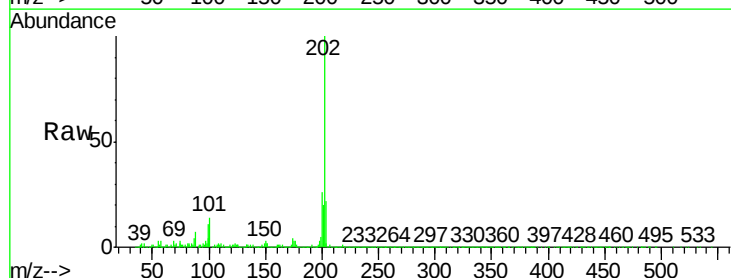
Tgt Ion:202 Resp: 1667761

Ion Ratio Lower Upper

202 100

101 13.6 9.7 14.5

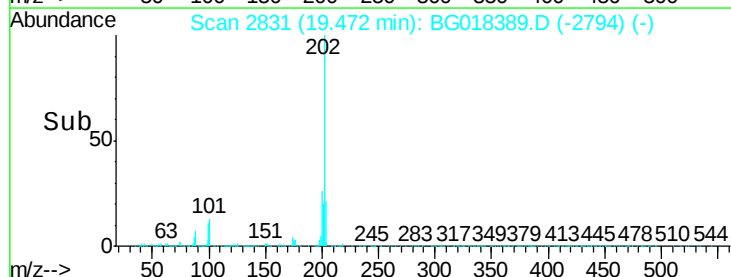
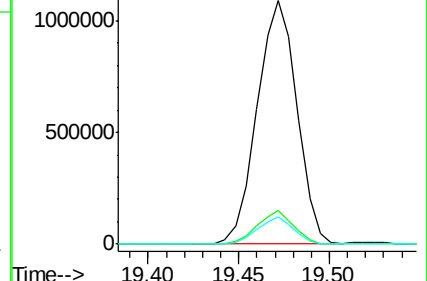
100 11.3 7.8 11.8

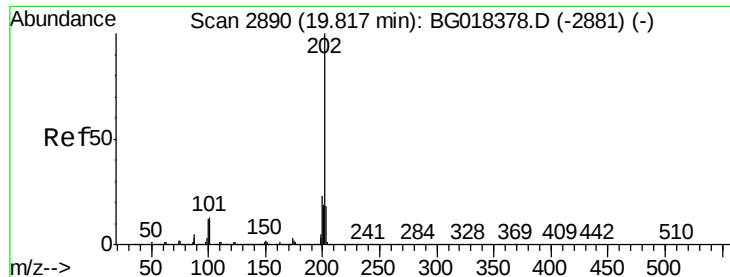


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 34.90 ng/ul

RT: 19.84 min Scan# 2893

Delta R.T. 0.02 min

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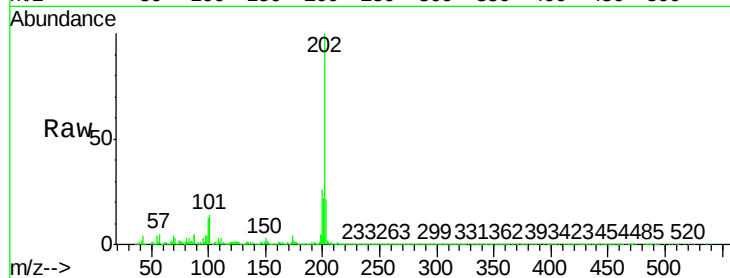
Tgt Ion:202 Resp: 1444285

Ion Ratio Lower Upper

202 100

101 14.4 11.0 16.4

100 12.8 9.8 14.6

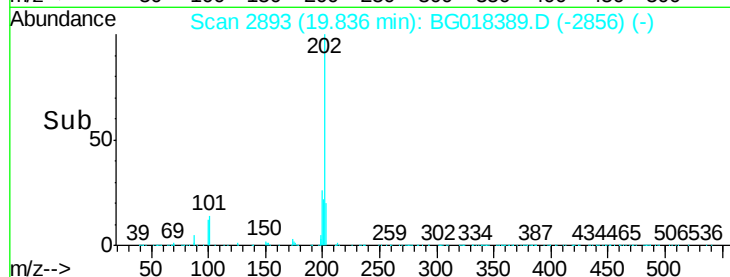


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

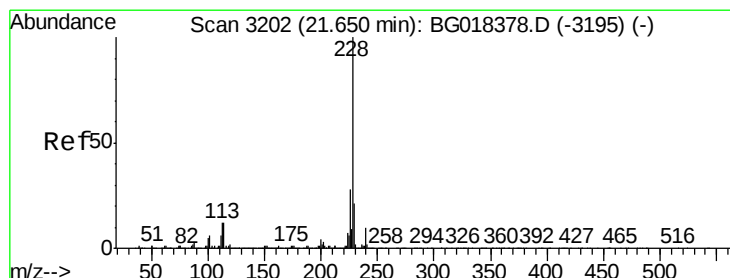
Ion 100.00 (99.70 to 100.70): E

Time-->



19.84

Time-->



#83

Benzo(a)anthracene

Concen: 21.15 ng/ul

RT: 21.67 min Scan# 3205

Delta R.T. 0.02 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

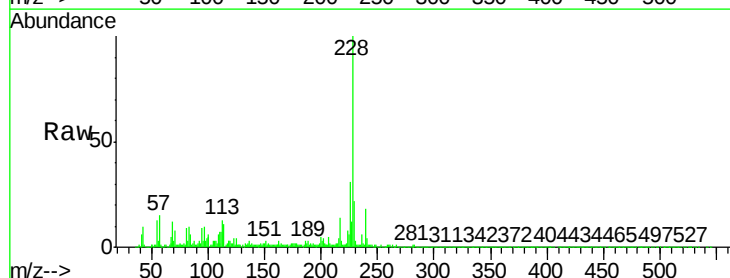
Tgt Ion:228 Resp: 802344

Ion Ratio Lower Upper

228 100

229 22.4 15.5 23.3

226 31.5 22.1 33.1

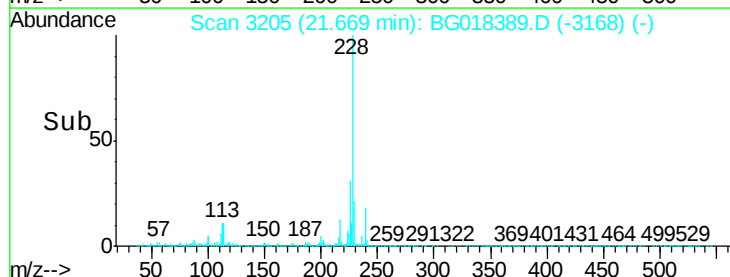


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

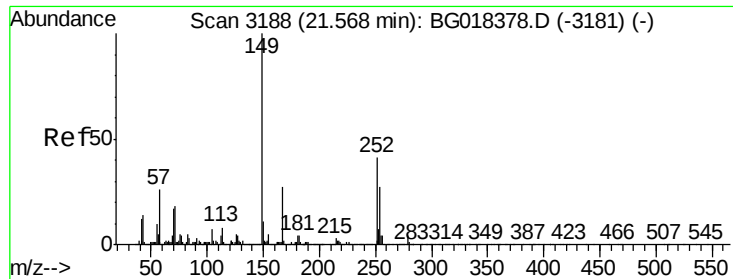
Ion 226.00 (225.70 to 226.70): E

Time-->



21.67

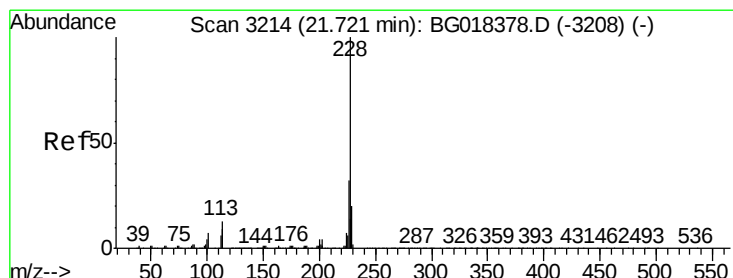
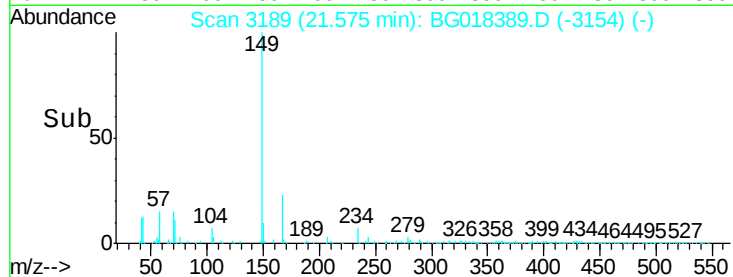
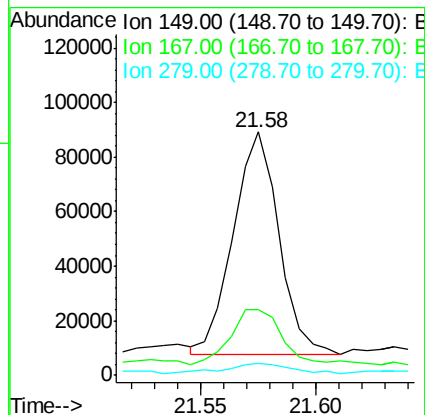
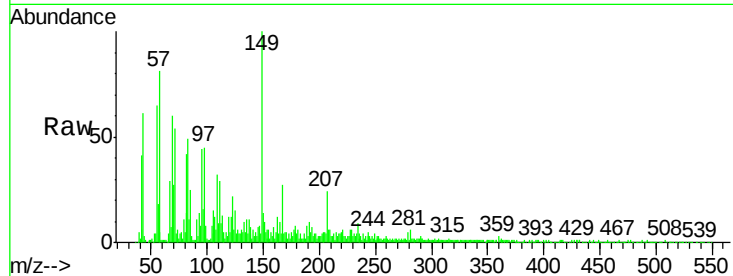
Time-->



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.56 ng/ul
 RT: 21.58 min Scan# 3189
 Delta R.T. 0.01 min
 Lab File: BG018389.D
 Acq: 11 Aug 2015 19:58

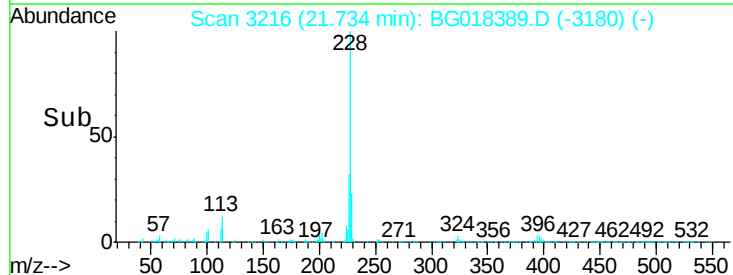
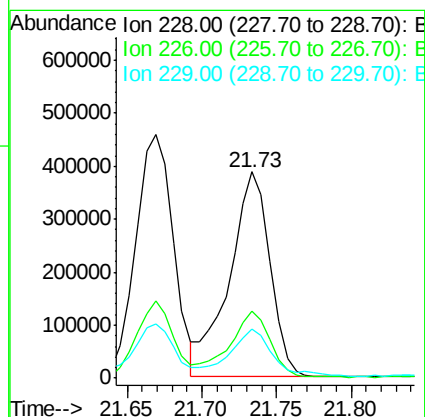
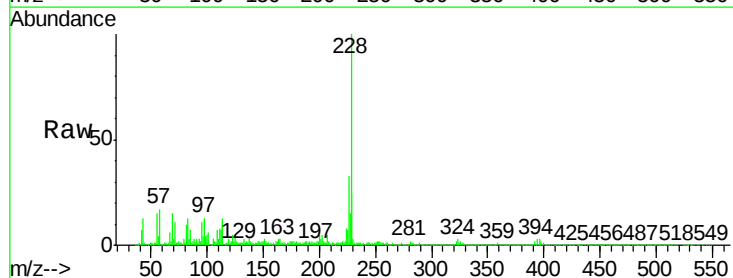
Instrument :
 BNA_G
 ClientSampleId :
 C02L7

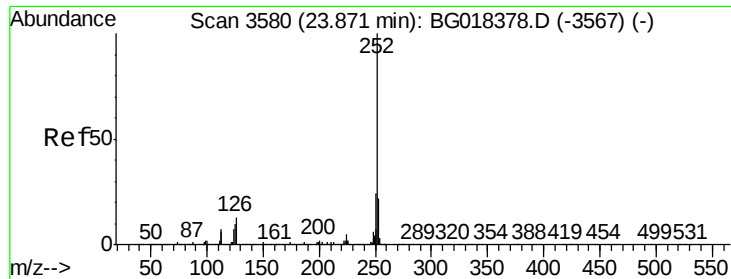
Tgt Ion:149 Resp: 112812
 Ion Ratio Lower Upper
 149 100
 167 27.1 22.2 33.2
 279 4.7 2.8 4.2#



#85
 Chrysene
 Concen: 20.73 ng/ul
 RT: 21.73 min Scan# 3216
 Delta R.T. 0.01 min
 Lab File: BG018389.D
 Acq: 11 Aug 2015 19:58

Tgt Ion:228 Resp: 735540
 Ion Ratio Lower Upper
 228 100
 226 32.5 26.5 39.7
 229 23.6 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 21.86 ng/ul

RT: 23.90 min Scan# 3585

Delta R.T. 0.03 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

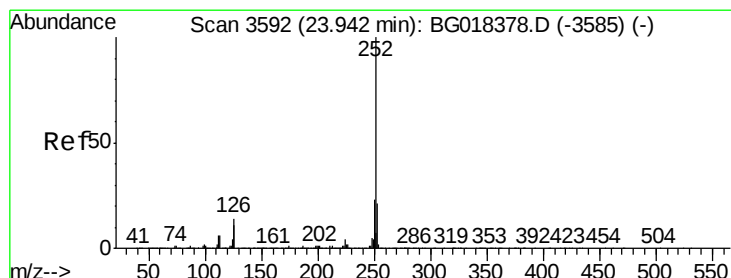
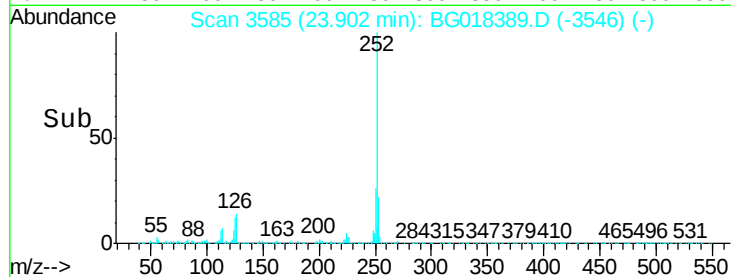
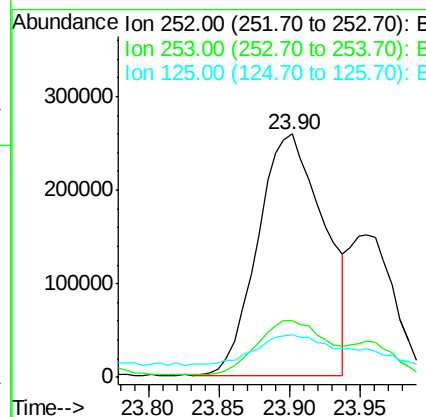
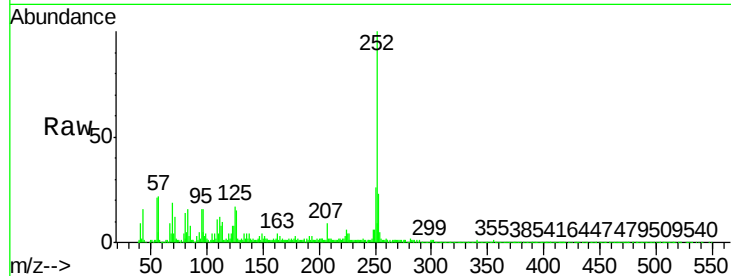
Instrument :

BNA_G

ClientSampleId :

C02L7

Tgt Ion:	252	Resp:	847609
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	17.3	8.3	12.5#



#89

Benzo(k)fluoranthene

Concen: 22.70 ng/ul

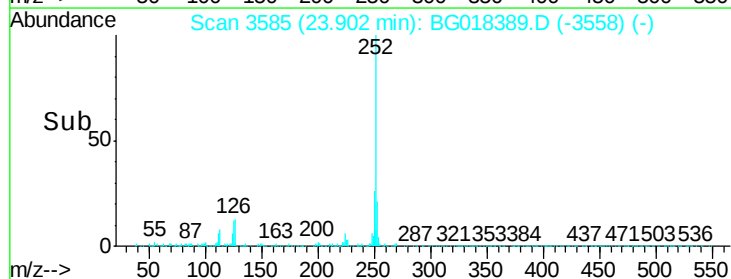
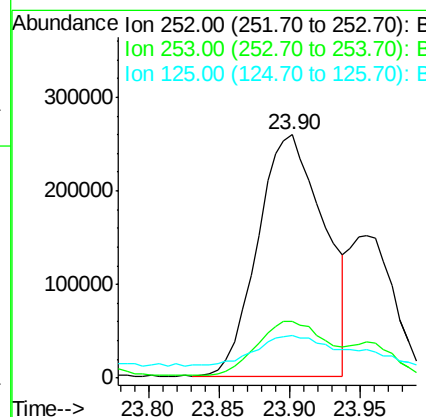
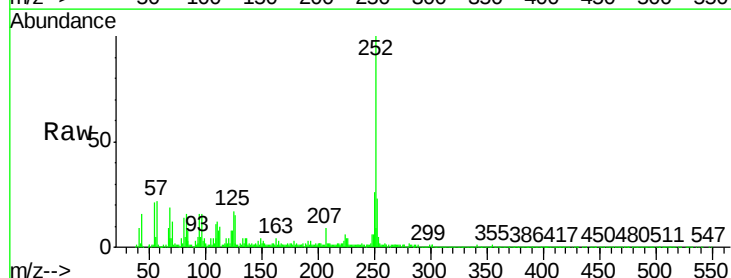
RT: 23.90 min Scan# 3585

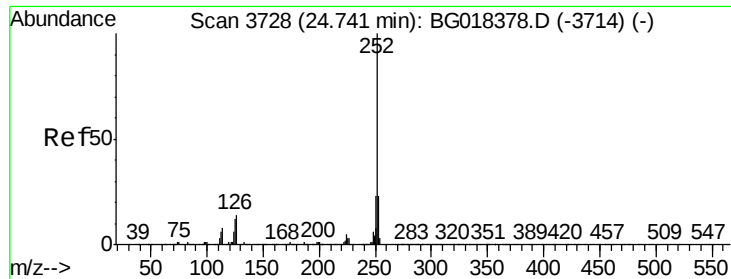
Delta R.T. -0.04 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

Tgt Ion:	252	Resp:	847609
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	17.3	9.0	13.4#





#91

Benzo(a)pyrene

Concen: 15.81 ng/ul

RT: 24.77 min Scan# 3732

Delta R.T. 0.02 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

Instrument :

BNA_G

ClientSampleId :

C02L7

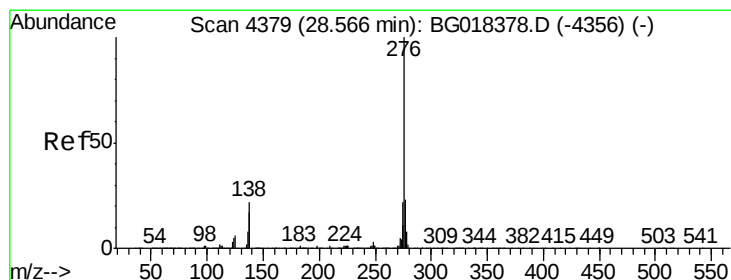
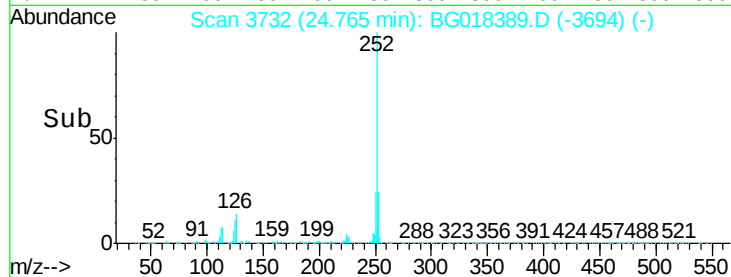
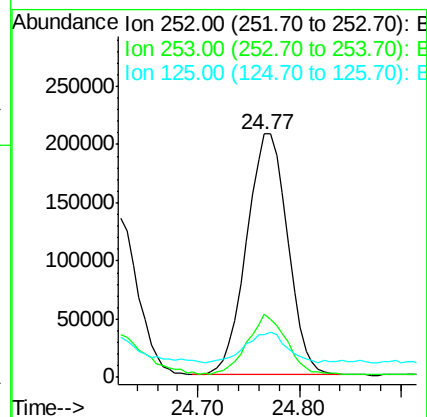
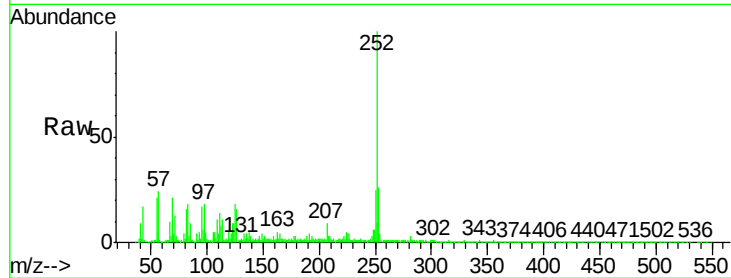
Tgt Ion:252 Resp: 582955

Ion Ratio Lower Upper

252 100

253 26.1 17.7 26.5

125 17.7 10.2 15.2#



#92

Indeno(1,2,3-cd)pyrene

Concen: 6.62 ng/ul

RT: 28.61 min Scan# 4386

Delta R.T. 0.04 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

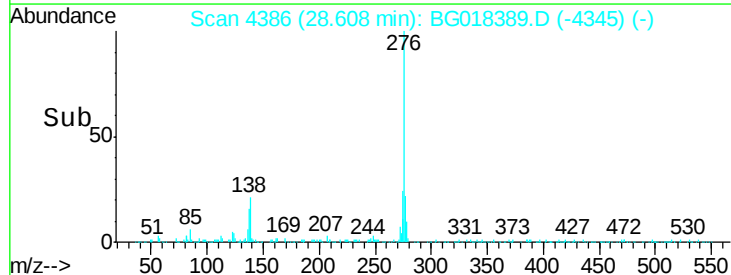
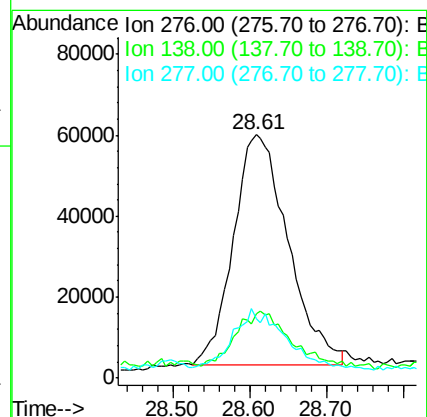
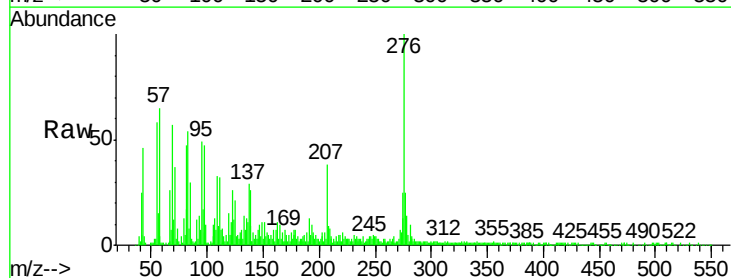
Tgt Ion:276 Resp: 282554

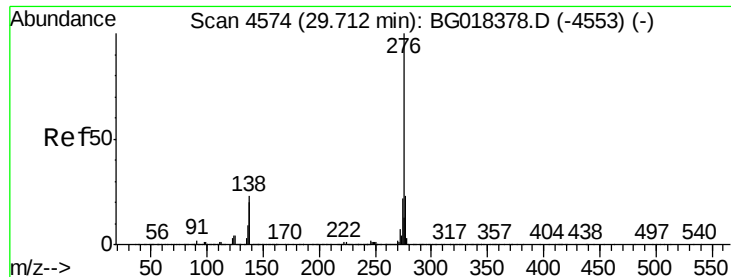
Ion Ratio Lower Upper

276 100

138 26.4 15.8 23.6#

277 24.5 18.9 28.3





#94

Benzo(g,h,i)perylene

Concen: 6.61 ng/ul

RT: 29.77 min Scan# 4583

Delta R.T. 0.05 min

Lab File: BG018389.D

Acq: 11 Aug 2015 19:58

Instrument :

BNA_G

ClientSampleId :

C02L7

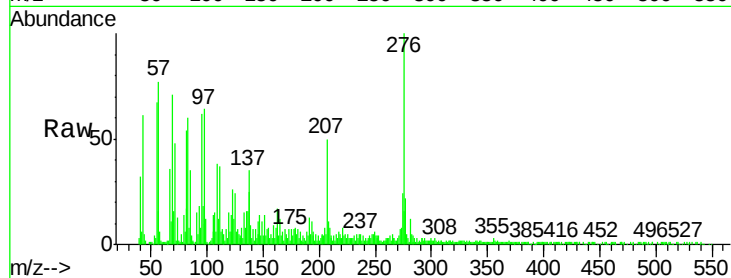
Tgt Ion: 276 Resp: 236952

Ion Ratio Lower Upper

276 100

138 24.7 16.5 24.7

277 22.3 19.0 28.6



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

