

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081115\
 Data File : BG018385.D
 Acq On : 11 Aug 2015 17:25
 Operator : UM/MA
 Sample : G3136-20RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K2

Quant Time: Aug 12 01:01:13 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	90866	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	385429	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	212811	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	436758	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	387382	20.00	ng/ul	0.00
86) Perylene-d12	24.92	264	402555	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	4431	2.15	ng/uL	0.00
5) Phenol-d5	7.20	99	84598	10.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	57893	11.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	68767	10.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	46783	6.75	ng/ul	0.00
19) Nitrobenzene-d5	9.14	128	199	0.07	ng/ul	-0.05
22) 2-Nitrophenol-d4	9.92	143	37258	12.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	67398	10.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	40541	5.52	ng/ul	0.00
44) Dimethylphthalate-d6	14.07	166	226061	12.63	ng/ul	0.00
47) Acenaphthylene-d8	14.36	160	270599	12.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.85	143	10715	3.33	ng/ul	0.00
58) Fluorene-d10	15.66	176	177383	11.37	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.76	200	1589	0.74	ng/ul	0.00
71) Anthracene-d10	17.51	188	239836	11.48	ng/ul	0.00
79) Pyrene-d10	19.80	212	231441	11.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.70	264	218093	10.21	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	7.23	94	10873	1.29	ng/ul#	89
14) Acetophenone	8.85	105	15373	1.54	ng/ul#	59
28) Naphthalene	10.90	128	35497	1.74	ng/ul	96
34) 2-Methylnaphthalene	12.50	142	35860	2.43	ng/ul	97
35) 1-Methylnaphthalene	12.72	142	18443	1.28	ng/ul#	87
45) Dimethylphthalate	14.11	163	122041	6.91	ng/ul#	96
50) Acenaphthene	14.73	153	37087	2.34	ng/ul	90
54) Dibenzofuran	15.06	168	27437	1.32	ng/ul#	86
59) Fluorene	15.71	166	45269	2.54	ng/ul#	97
65) N-Nitrosodiphenylamine	15.92	169	14274	1.09	ng/ul#	50
70) Phenanthrene	17.45	178	349856	14.76	ng/ul	99
72) Anthracene	17.54	178	168640	6.98	ng/ul	96
75) Carbazole	17.81	167	78735	3.72	ng/ul#	89
76) Di-n-butylphthalate	18.37	149	94334	3.41	ng/ul#	94
77) Fluoranthene	19.46	202	590219	23.32	ng/ul	99
80) Pyrene	19.82	202	563258	21.50	ng/ul	98
81) Butylbenzylphthalate	20.71	149	63821	5.76	ng/ul	86
83) Benzo(a)anthracene	21.66	228	260662	10.85	ng/ul#	91
84) Bis(2-ethylhexyl)phthalate	21.58	149	663311	42.37	ng/ul#	97
85) Chrysene	21.73	228	271082	12.07	ng/ul	96
87) Di-n-octyl phthalate	22.79	149	37008	1.42	ng/ul	100
88) Benzo(b)fluoranthene	23.89	252	391719	15.49	ng/ul#	86
89) Benzo(k)fluoranthene	23.96	252	128631	5.28	ng/ul#	66

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 00:54:17 2015
Response via : Initial Calibration

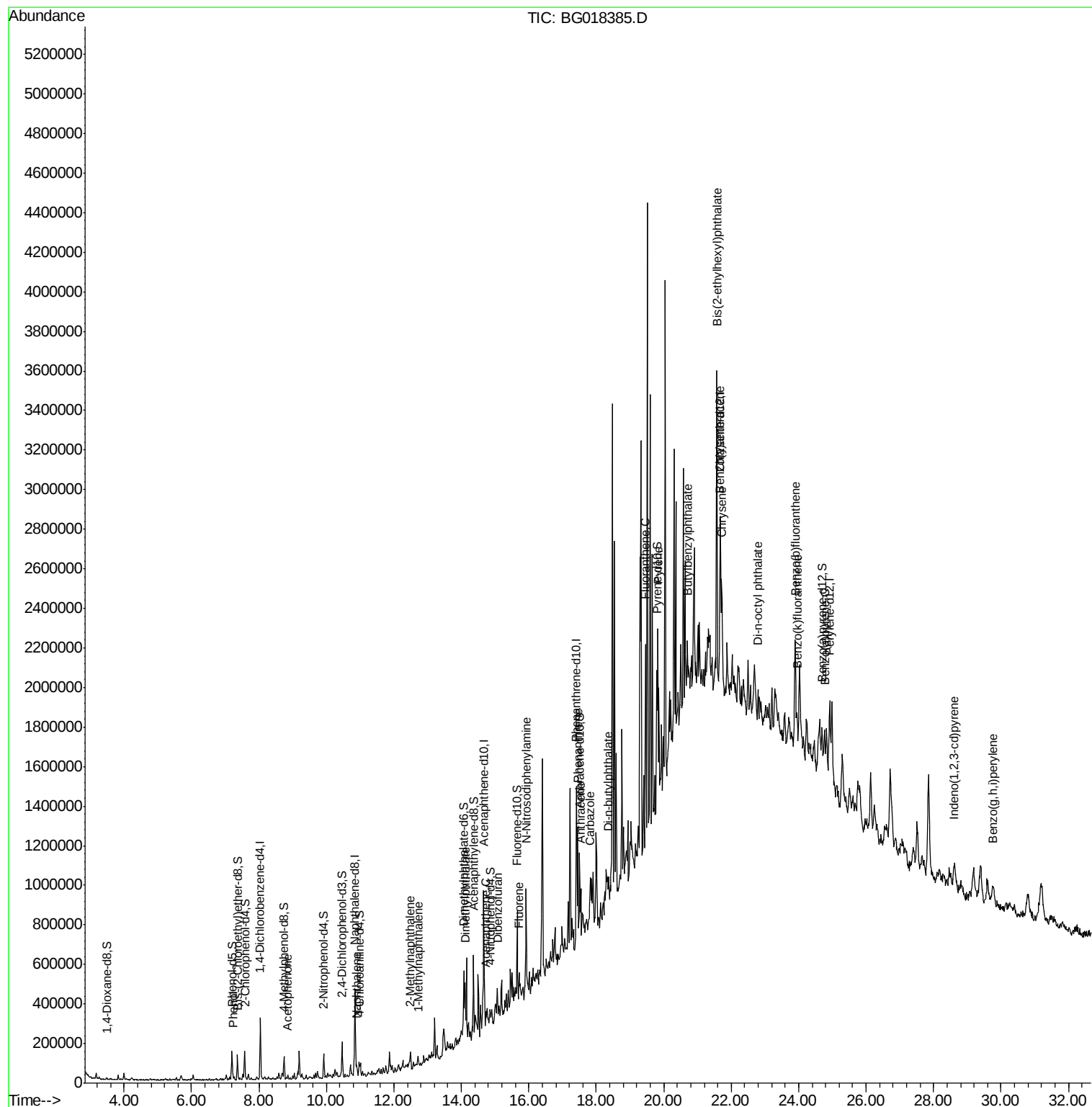
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	24.77	252	265648	11.05	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	28.61	276	174692	6.28	ng/ul#	88
94) Benzo(g,h,i)perylene	29.77	276	93664	4.01	ng/ul#	90

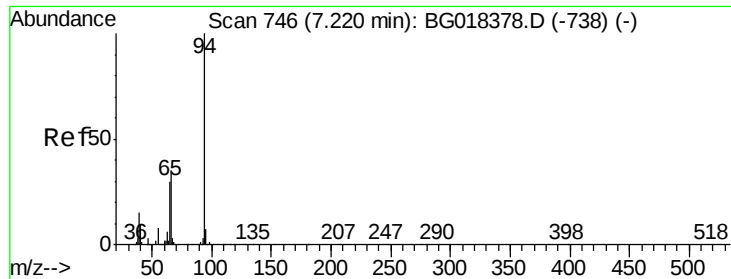
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.29 ng/ul

RT: 7.23 min Scan# 747

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

ClientSampleId :

C02K2

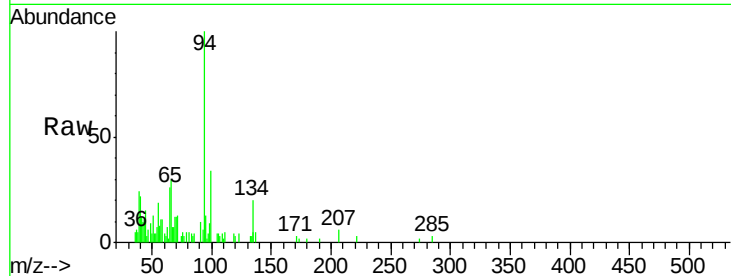
Tgt Ion: 94 Resp: 10873

Ion Ratio Lower Upper

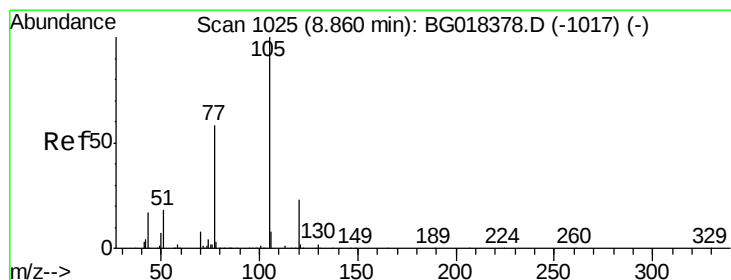
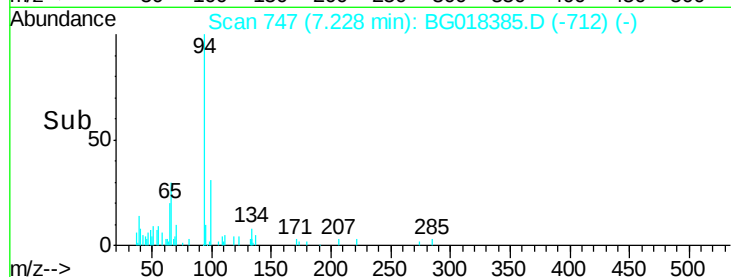
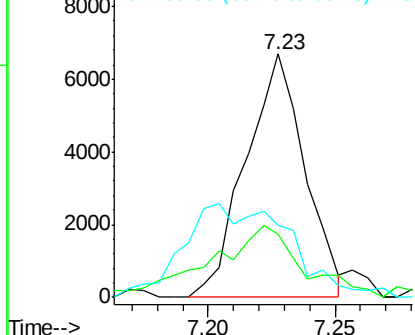
94 100

65 25.8 23.0 34.6

66 29.9 31.0 46.4#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#14

Acetophenone

Concen: 1.54 ng/ul

RT: 8.85 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

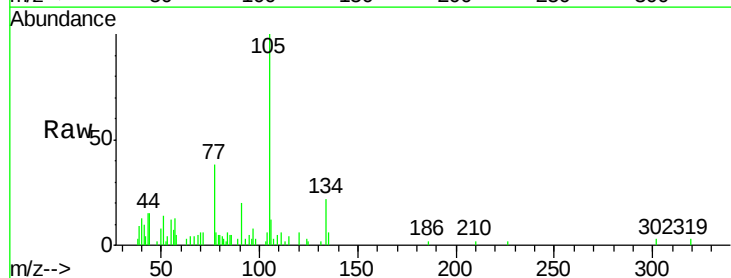
Tgt Ion: 105 Resp: 15373

Ion Ratio Lower Upper

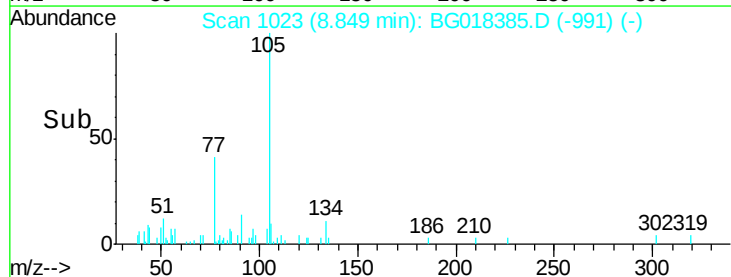
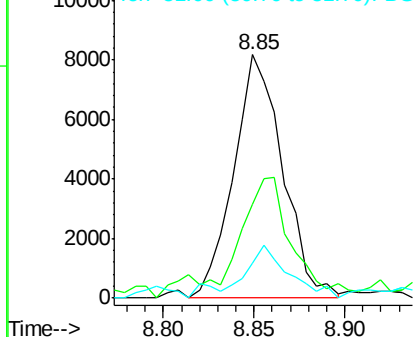
105 100

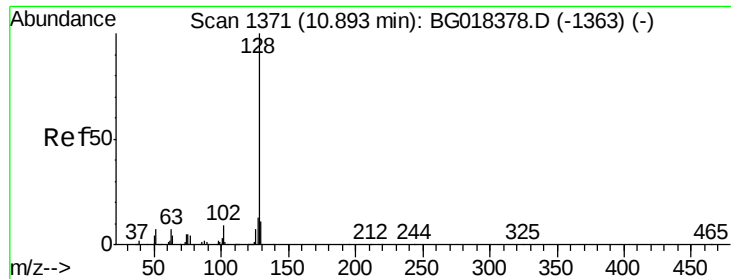
77 38.3 61.9 92.9#

51 14.5 25.5 38.3#



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

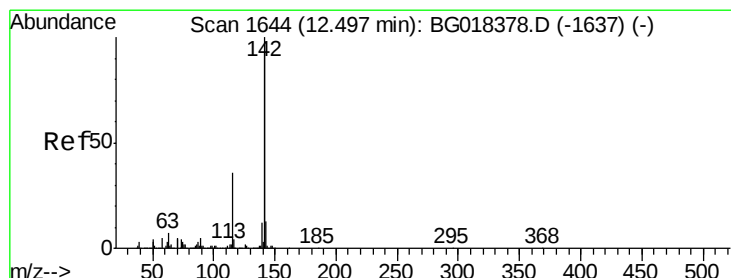
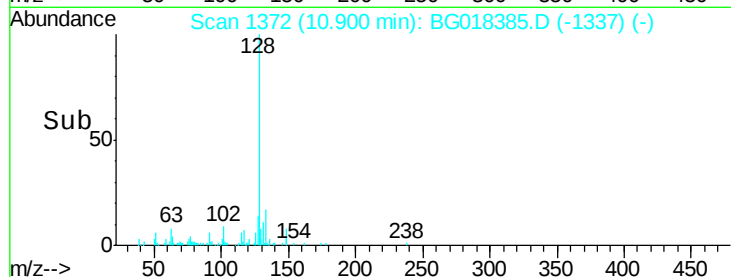
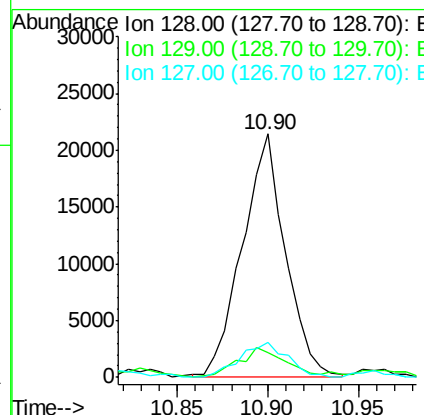
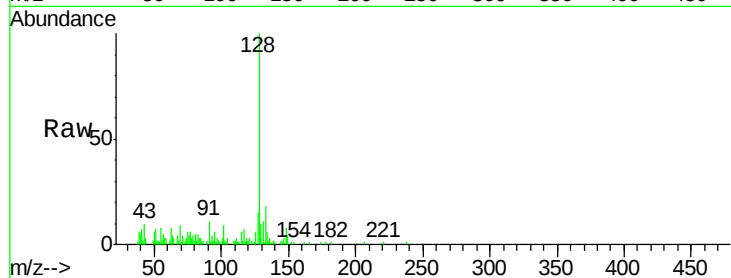




#28
Naphthalene
Concen: 1.74 ng/ul
RT: 10.90 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

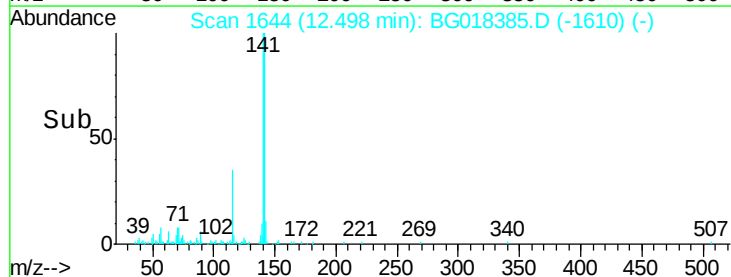
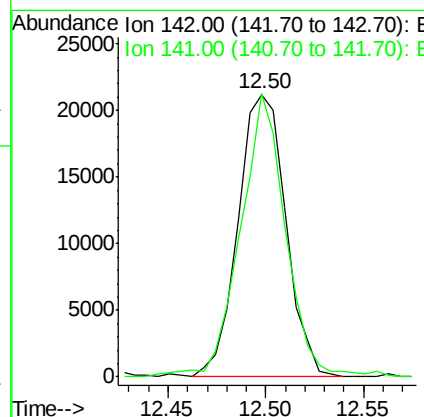
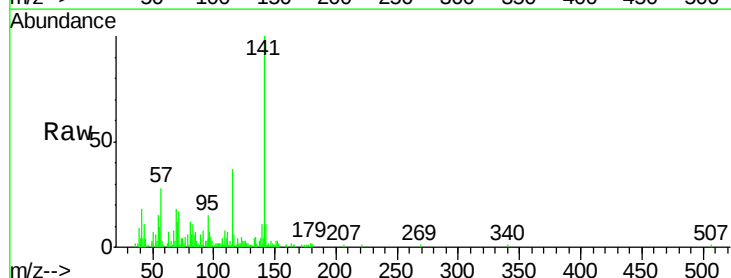
Instrument :
BNA_G
ClientSampleId :
C02K2

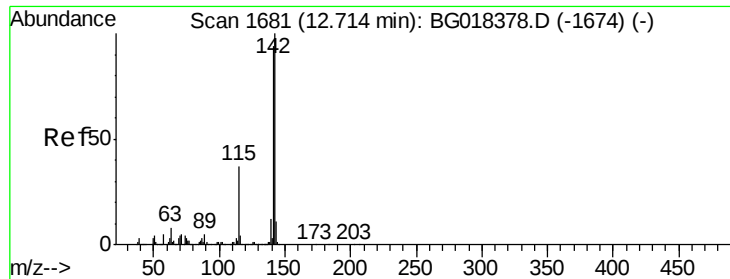
Tgt Ion:128 Resp: 35497
Ion Ratio Lower Upper
128 100
129 10.0 9.6 14.4
127 14.5 10.5 15.7



#34
2-Methylnaphthalene
Concen: 2.43 ng/ul
RT: 12.50 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Tgt Ion:142 Resp: 35860
Ion Ratio Lower Upper
142 100
141 100.2 78.0 117.0

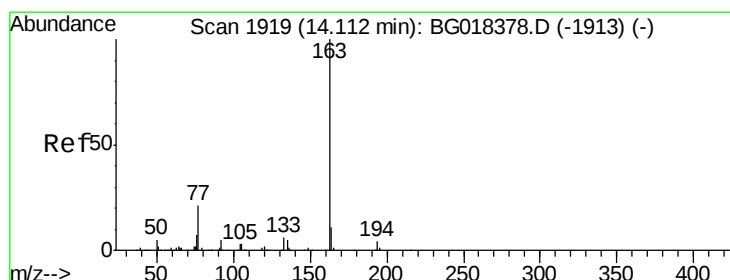
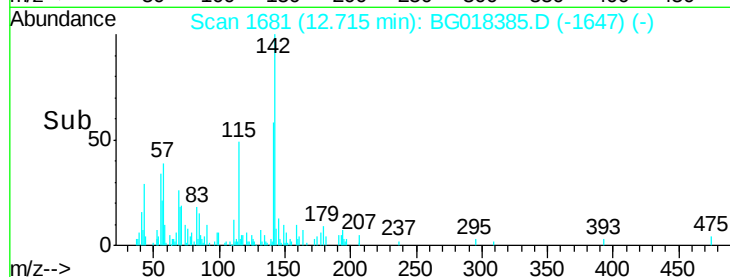
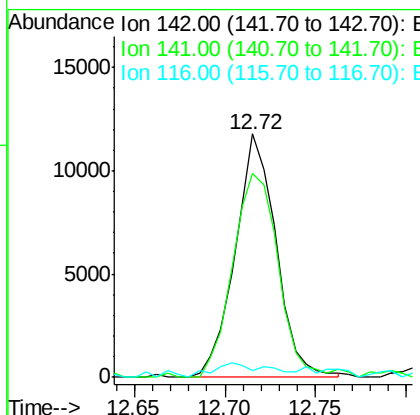
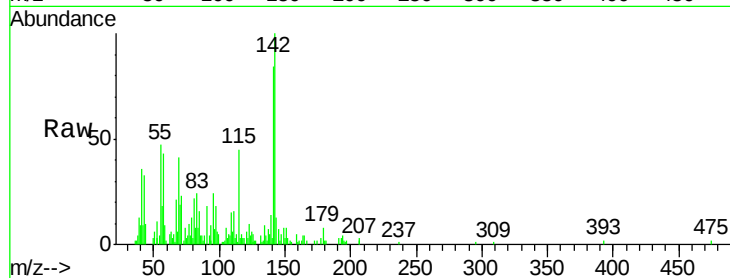




#35
 1-Methylnaphthalene
 Concen: 1.28 ng/ul
 RT: 12.72 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

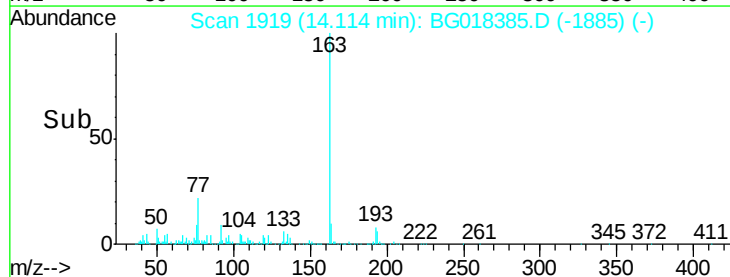
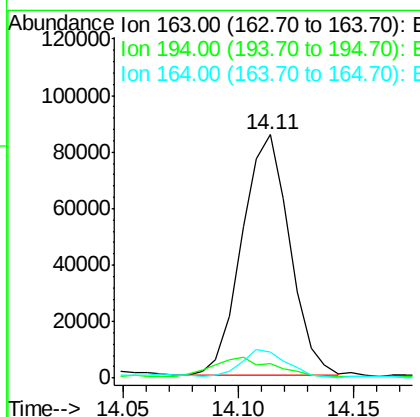
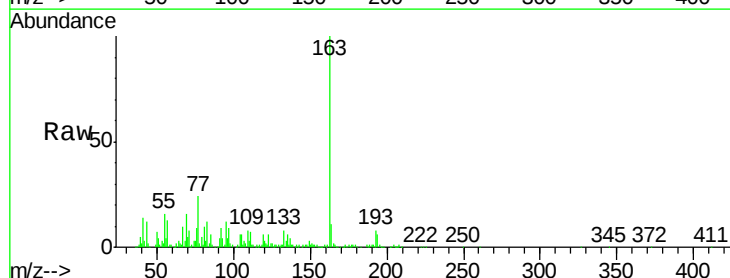
Instrument :
 BNA_G
 ClientSampleId :
 C02K2

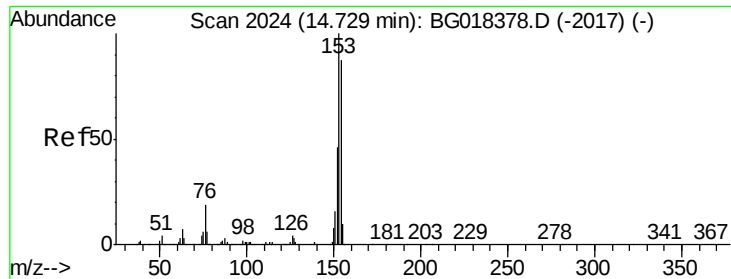
Tgt Ion:142 Resp: 18443
 Ion Ratio Lower Upper
 142 100
 141 83.7 77.1 115.7
 116 3.0 3.5 5.3#



#45
 Dimethylphthalate
 Concen: 6.91 ng/ul
 RT: 14.11 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

Tgt Ion:163 Resp: 122041
 Ion Ratio Lower Upper
 163 100
 194 6.2 2.9 4.3#
 164 10.7 7.7 11.5





#50

Acenaphthene

Concen: 2.34 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

ClientSampleId :

C02K2

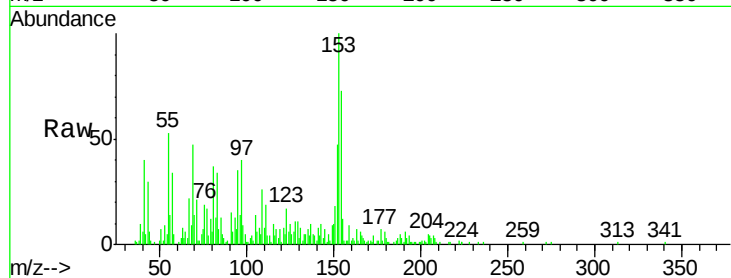
Tgt Ion:153 Resp: 37087

Ion Ratio Lower Upper

153 100

152 47.2 38.2 57.4

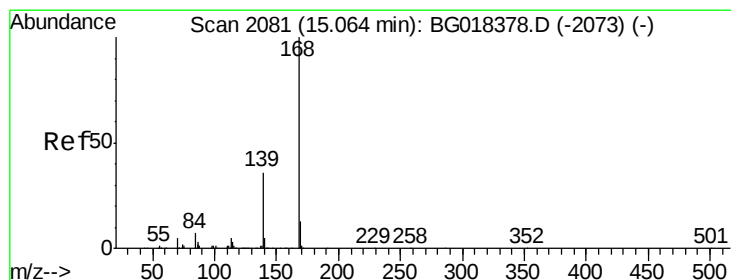
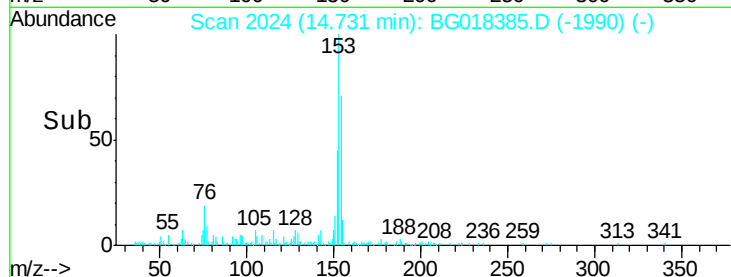
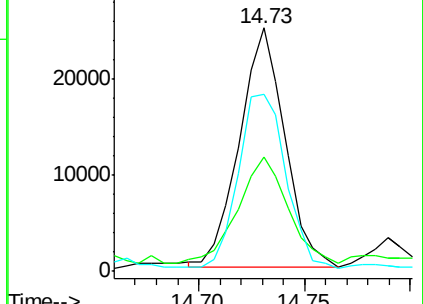
154 72.6 68.6 103.0



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: 1.32 ng/ul

RT: 15.06 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG018385.D

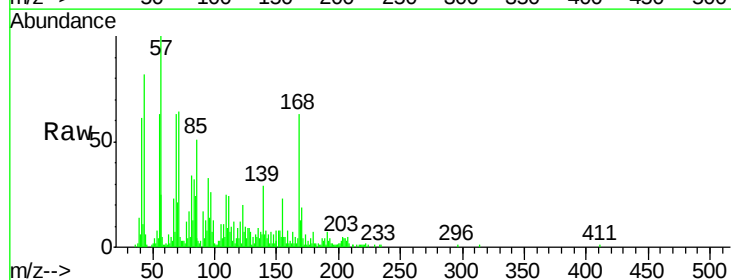
Acq: 11 Aug 2015 17:25

Tgt Ion:168 Resp: 27437

Ion Ratio Lower Upper

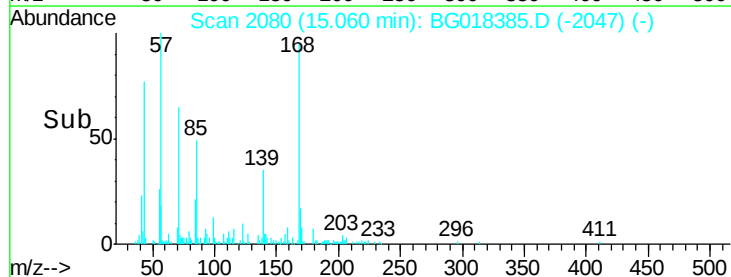
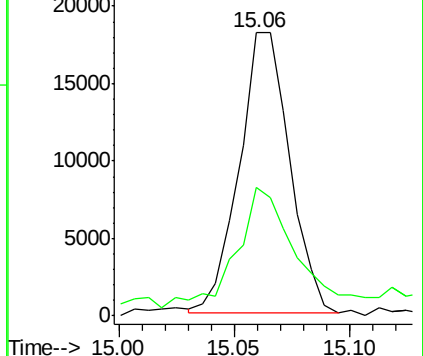
168 100

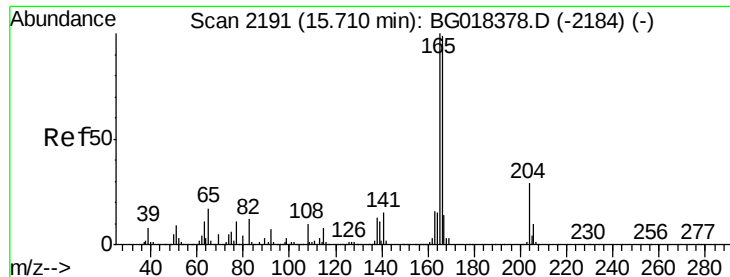
139 45.4 29.7 44.5#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.54 ng/ul

RT: 15.71 min Scan# 2191

Delta R.T. 0.00 min

Lab File: BG018385.D

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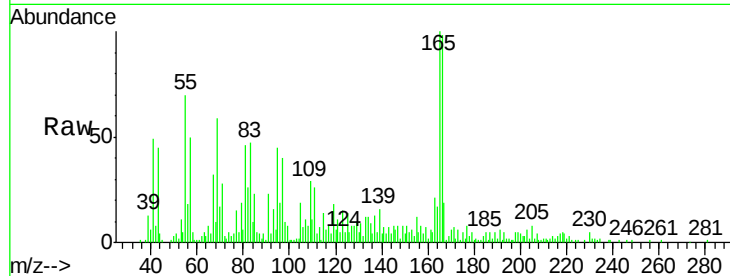
Tgt Ion:166 Resp: 45269

Ion Ratio Lower Upper

166 100

165 101.9 82.6 124.0

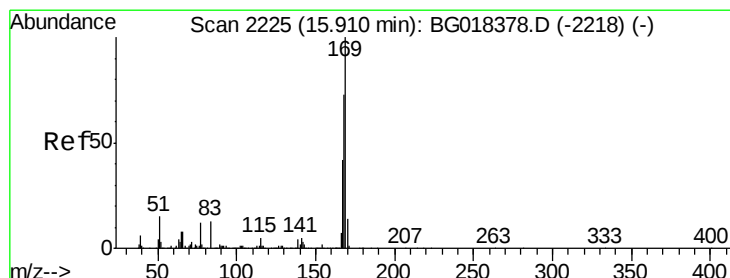
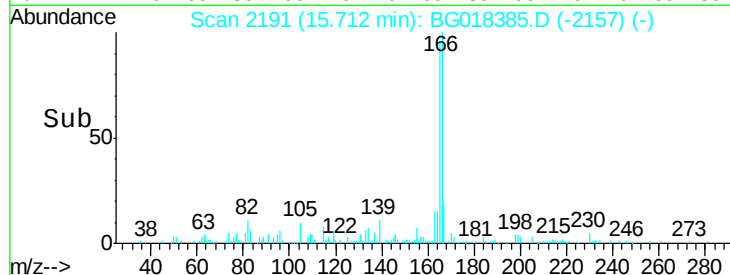
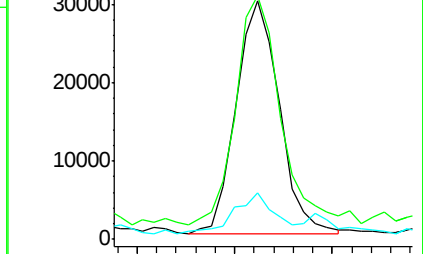
167 19.3 11.4 17.0#



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



#65

N-Nitrosodiphenylamine

Concen: 1.09 ng/ul

RT: 15.92 min Scan# 2227

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

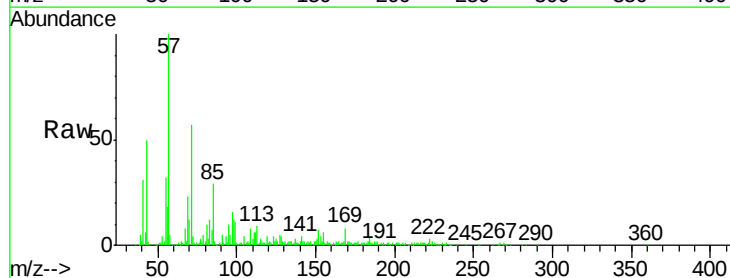
Tgt Ion:169 Resp: 14274

Ion Ratio Lower Upper

169 100

168 26.0 60.2 90.2#

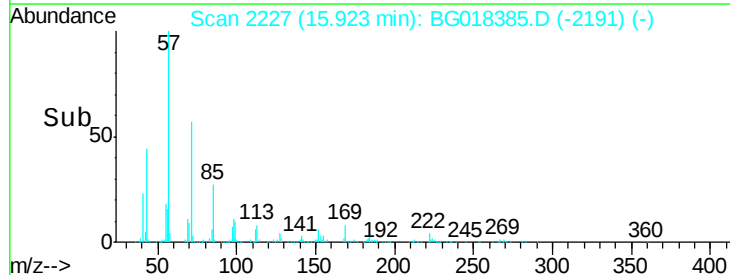
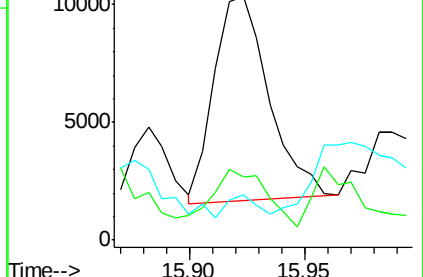
167 18.7 33.4 50.2#

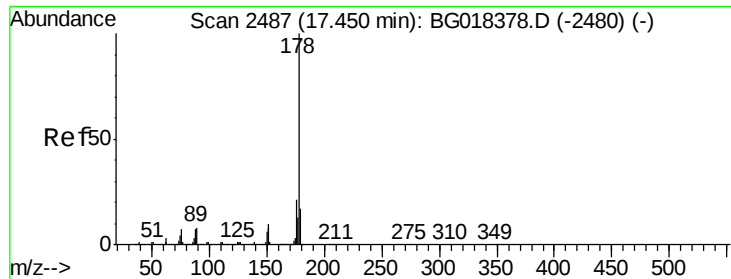


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 14.76 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

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C02K2

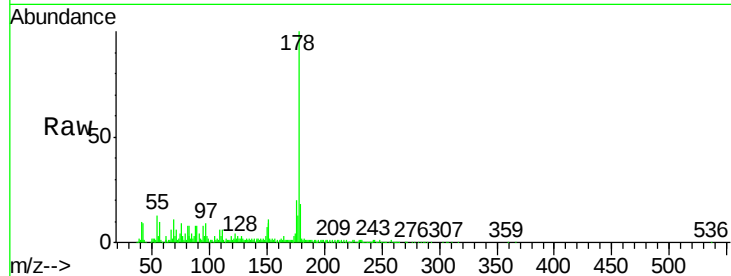
Tgt Ion:178 Resp: 349856

Ion Ratio Lower Upper

178 100

179 17.5 13.7 20.5

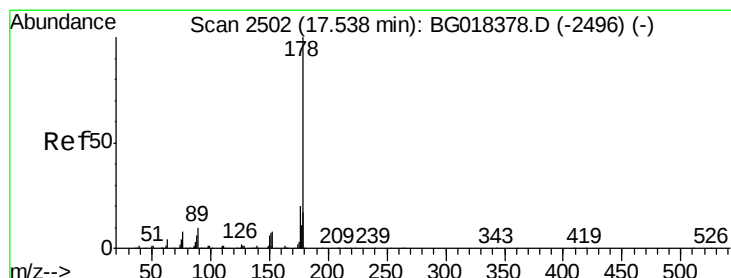
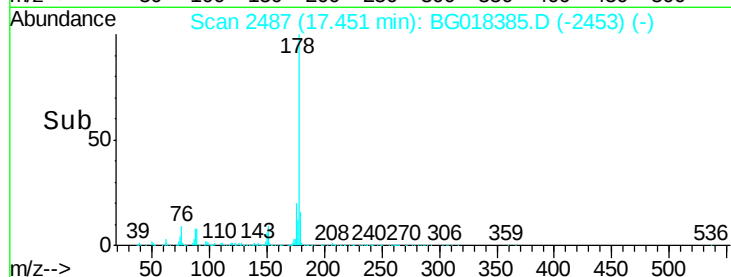
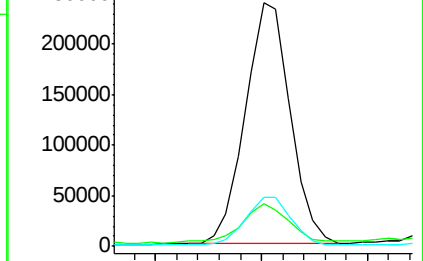
176 20.2 16.6 24.8



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: 6.98 ng/ul

RT: 17.54 min Scan# 2503

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

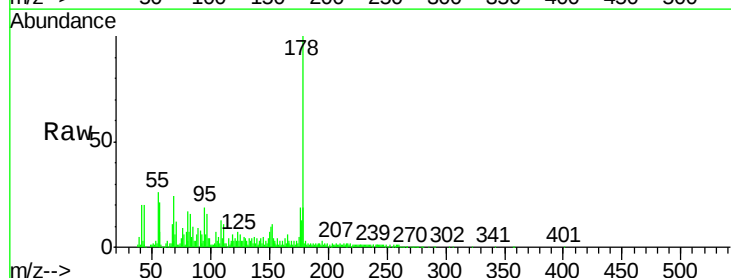
Tgt Ion:178 Resp: 168640

Ion Ratio Lower Upper

178 100

179 19.3 13.0 19.4

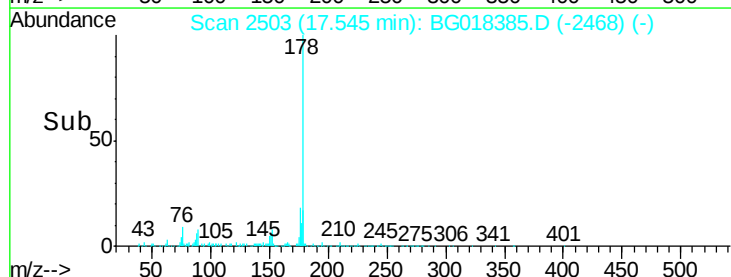
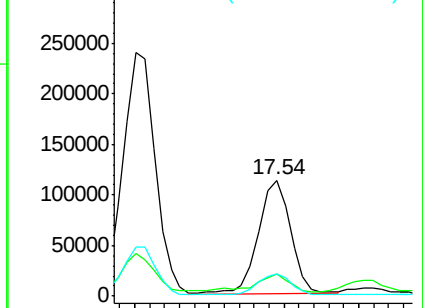
176 19.2 16.0 24.0

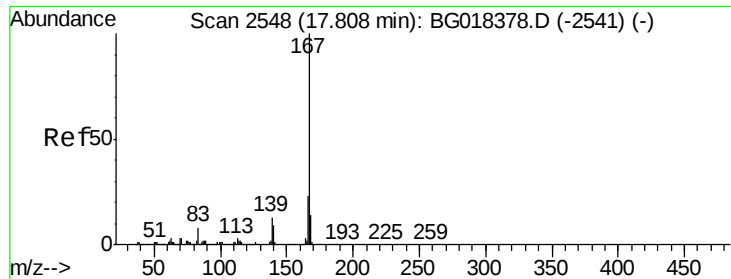


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

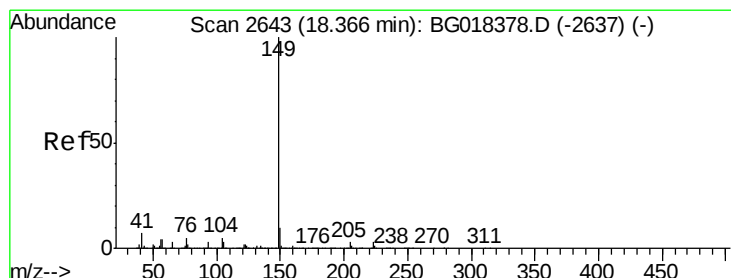
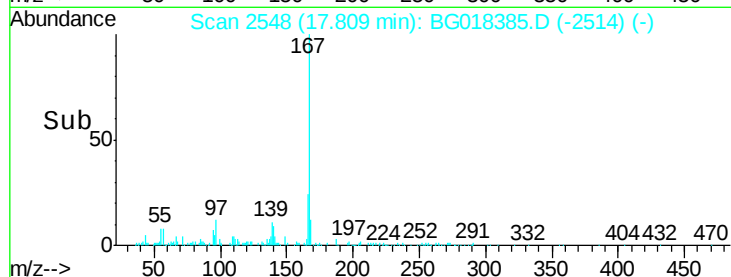
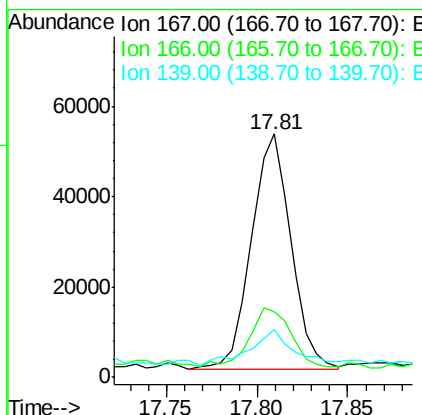
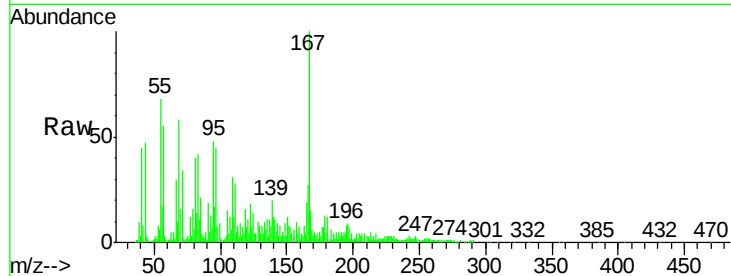




#75
 Carbazole
 Concen: 3.72 ng/ul
 RT: 17.81 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

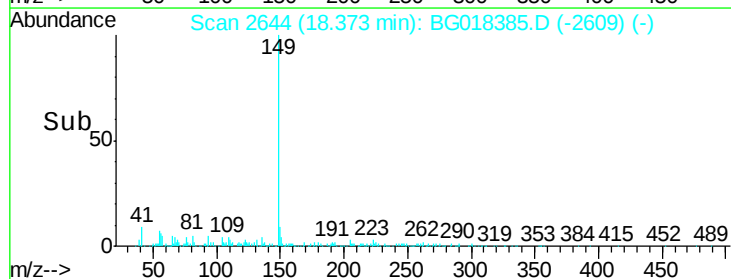
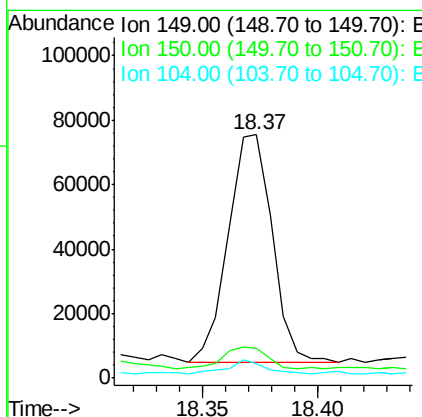
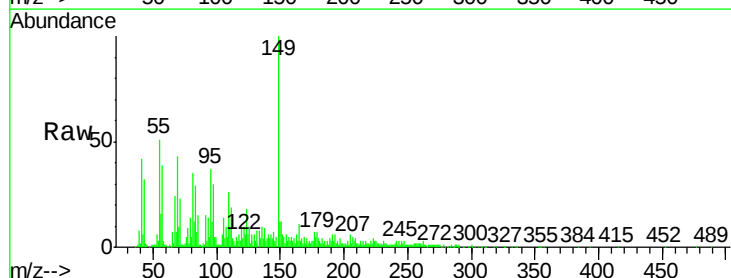
Instrument :
 BNA_G
 ClientSampleId :
 C02K2

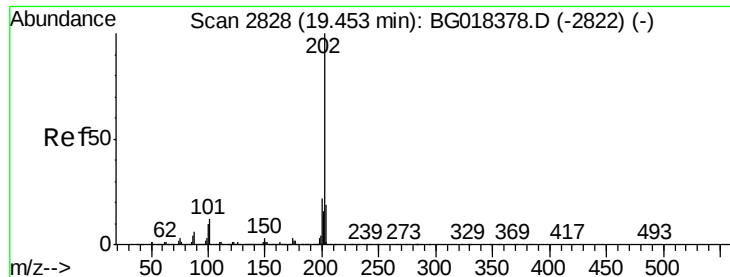
Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.1	18.9	28.3
139	19.7	10.1	15.1#



#76
 Di-n-butylphthalate
 Concen: 3.41 ng/ul
 RT: 18.37 min Scan# 2644
 Delta R.T. 0.01 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.4	7.5	11.3#
104	5.9	4.3	6.5

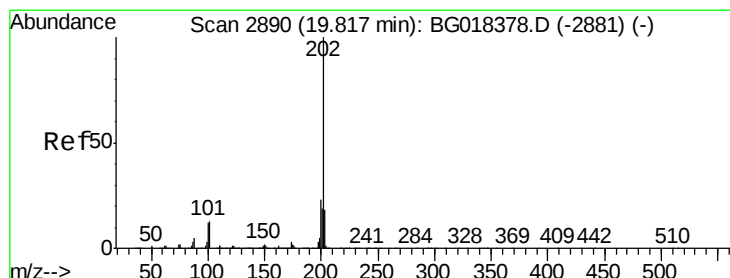
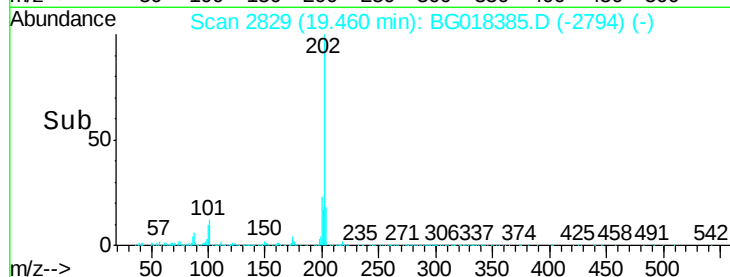
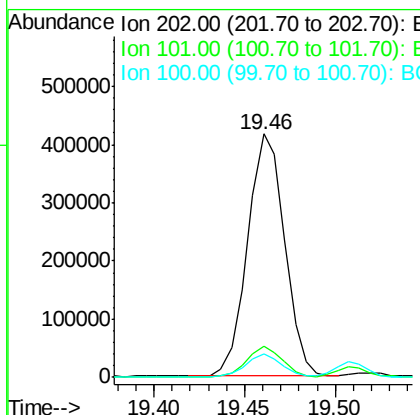
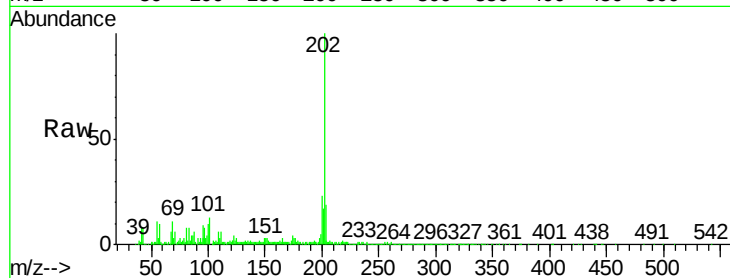




#77
Fluoranthene
Concen: 23.32 ng/ul
RT: 19.46 min Scan# 2829
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

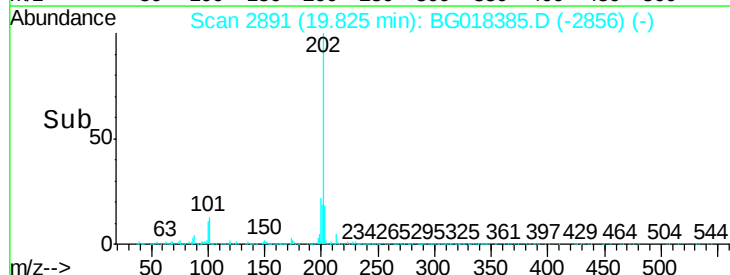
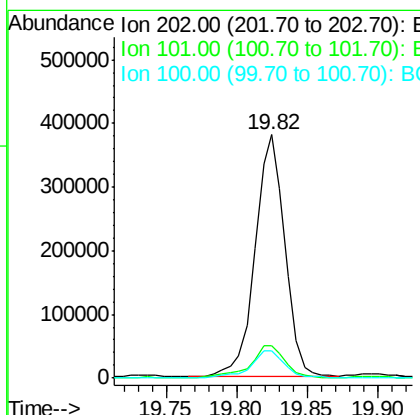
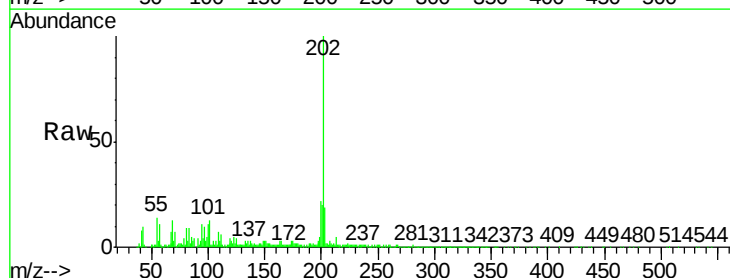
Instrument :
BNA_G
ClientSampled :
C02K2

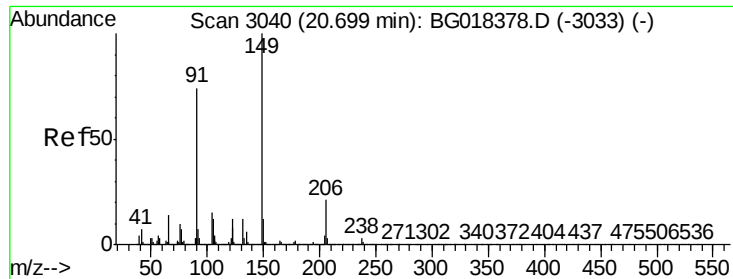
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.7	14.5
100	9.8	7.8	11.8



#80
Pyrene
Concen: 21.50 ng/ul
RT: 19.82 min Scan# 2891
Delta R.T. 0.01 min
Lab File: BG018385.D
Acq: 11 Aug 2015 17:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.0	16.4
100	11.4	9.8	14.6





#81

Butylbenzylphthalate

Concen: 5.76 ng/ul

RT: 20.71 min Scan# 3041

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

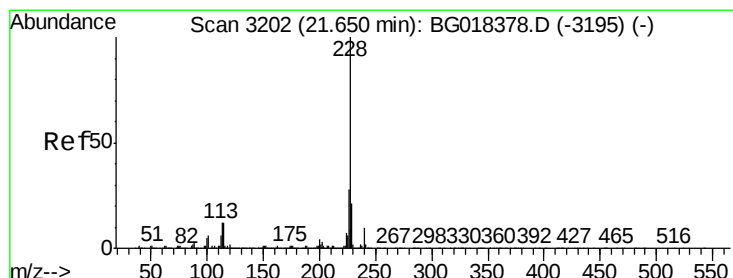
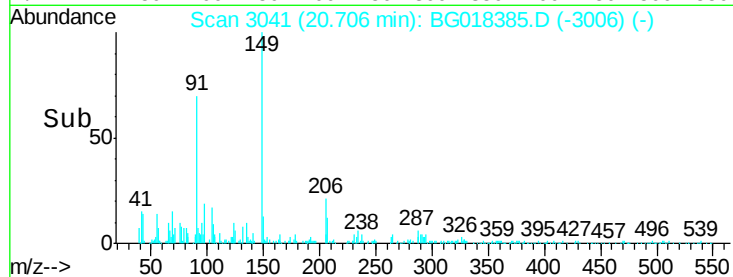
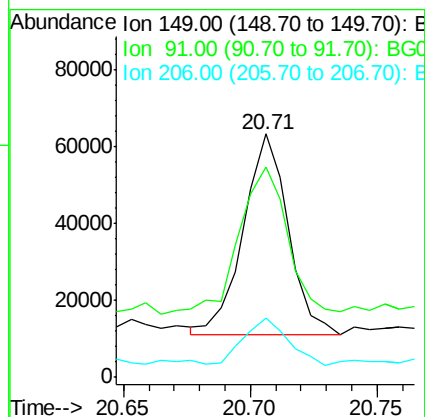
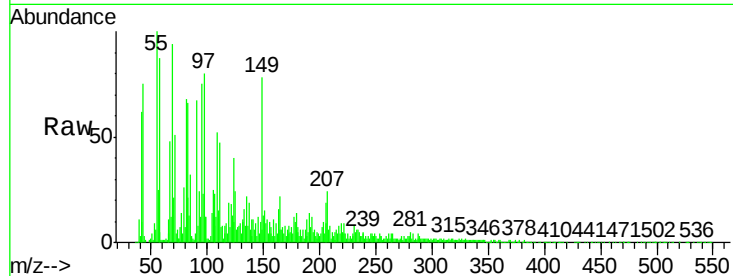
Instrument :

BNA_G

ClientSampleId :

C02K2

Tgt Ion:	149	Resp:	63821
Ion Ratio	Lower	Upper	
149	100		
91	86.2	57.9	86.9
206	24.3	17.9	26.9



#83

Benzo(a)anthracene

Concen: 10.85 ng/ul

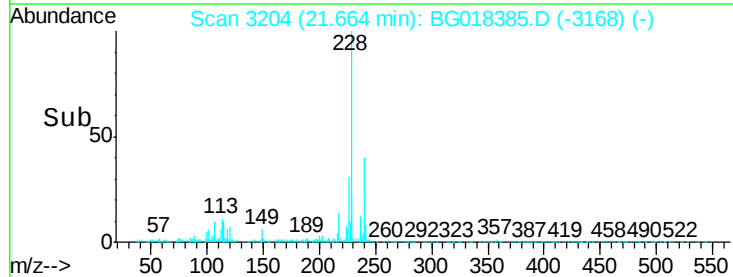
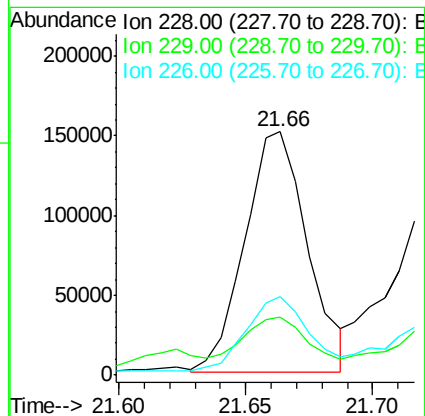
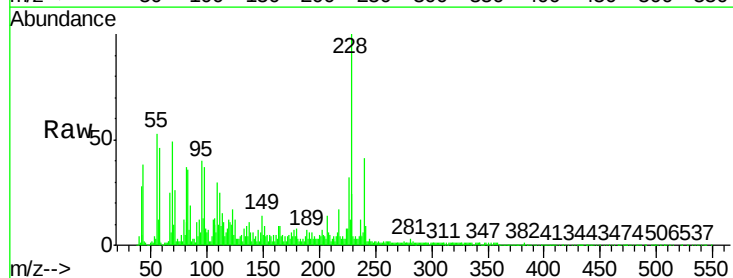
RT: 21.66 min Scan# 3204

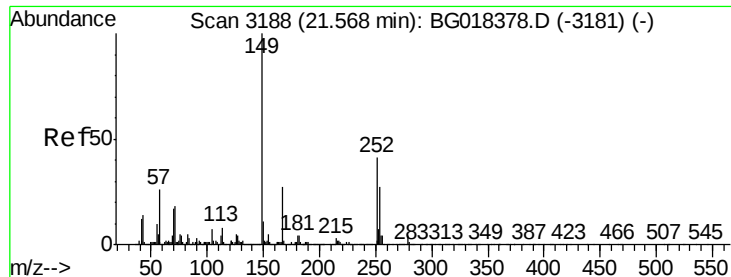
Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:	228	Resp:	260662
Ion Ratio	Lower	Upper	
228	100		
229	24.0	15.5	23.3#
226	32.1	22.1	33.1

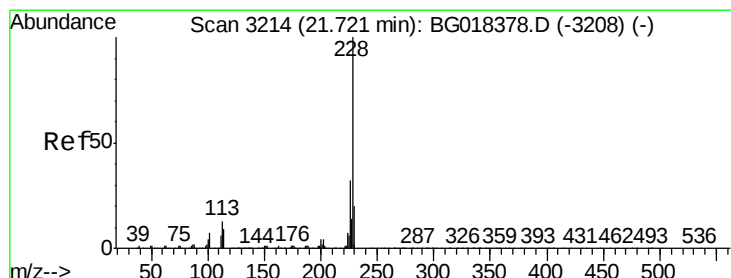
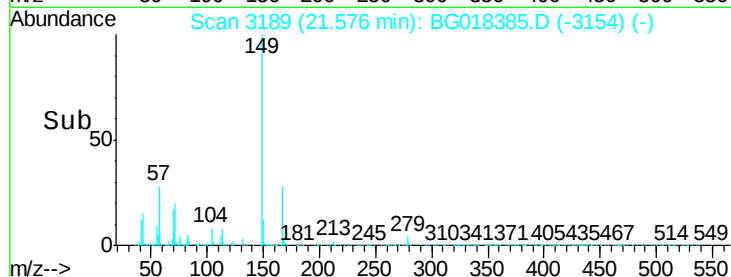
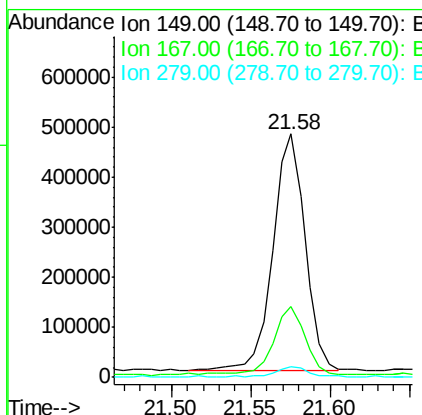
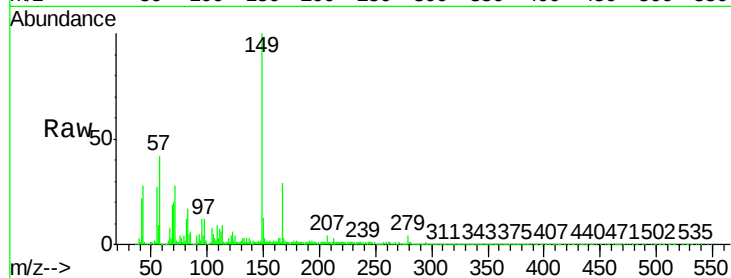




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.37 ng/ul
 RT: 21.58 min Scan# 3189
 Delta R.T. 0.01 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

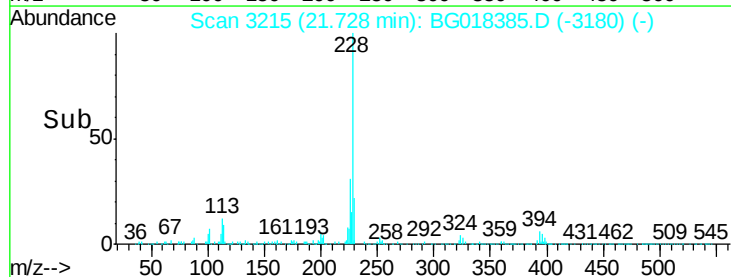
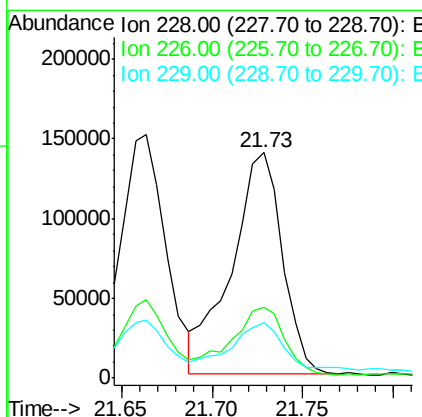
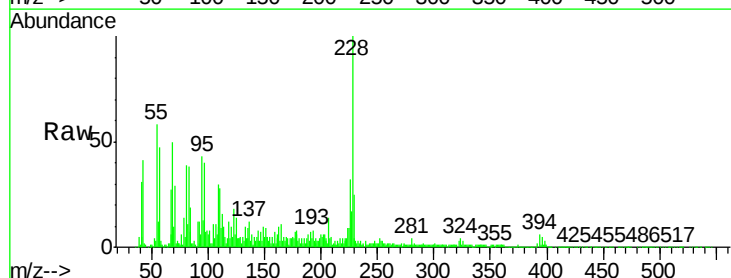
Instrument :
 BNA_G
 ClientSampleId :
 C02K2

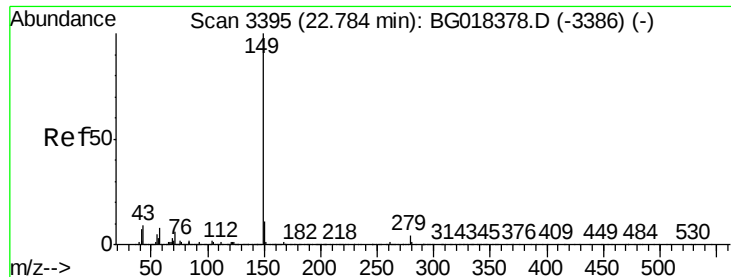
Tgt Ion:149 Resp: 663311
 Ion Ratio Lower Upper
 149 100
 167 29.1 22.2 33.2
 279 4.3 2.8 4.2#



#85
 Chrysene
 Concen: 12.07 ng/ul
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.01 min
 Lab File: BG018385.D
 Acq: 11 Aug 2015 17:25

Tgt Ion:228 Resp: 271082
 Ion Ratio Lower Upper
 228 100
 226 31.7 26.5 39.7
 229 24.6 16.9 25.3





#87

Di-n-octyl phthalate

Concen: 1.42 ng/ul

RT: 22.79 min Scan# 3396

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

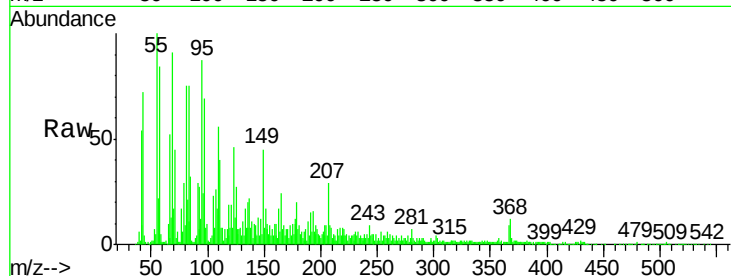
Instrument :

BNA_G

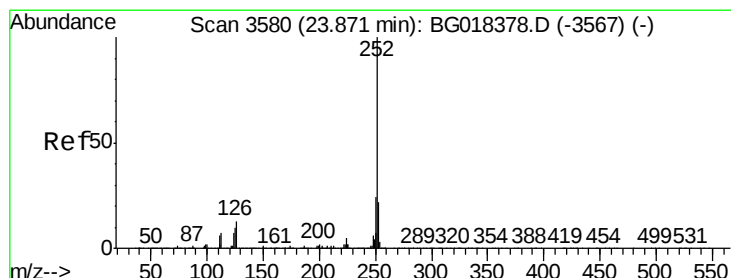
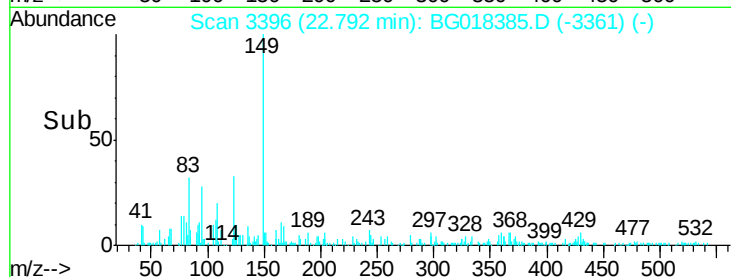
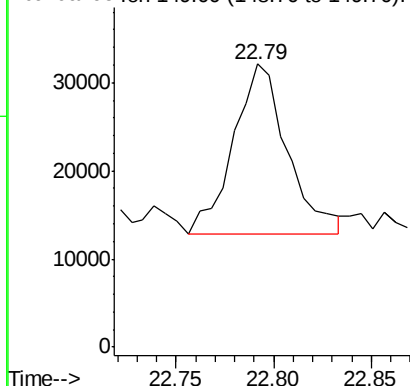
ClientSampleId :

C02K2

Tgt Ion:149 Resp: 37008



Abundance Ion 149.00 (148.70 to 149.70): E



#88

Benzo(b)fluoranthene

Concen: 15.49 ng/ul

RT: 23.89 min Scan# 3583

Delta R.T. 0.02 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

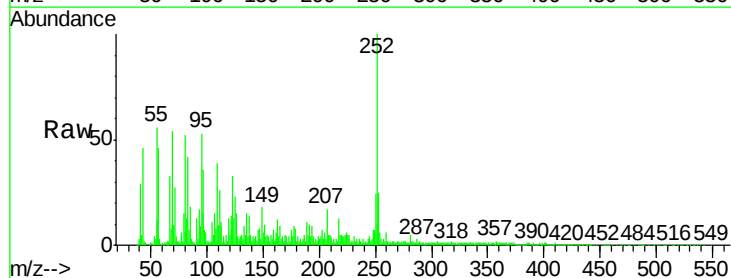
Tgt Ion:252 Resp: 391719

Ion Ratio Lower Upper

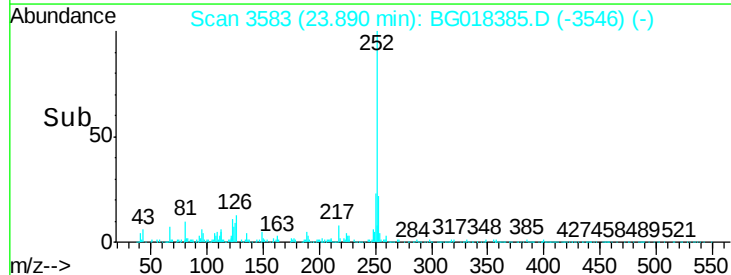
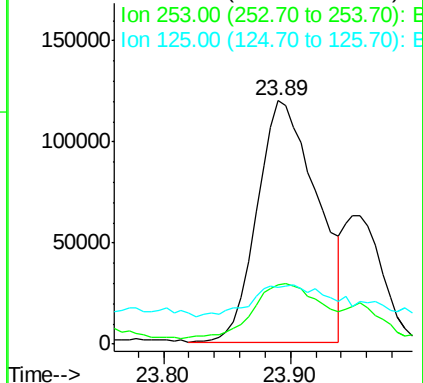
252 100

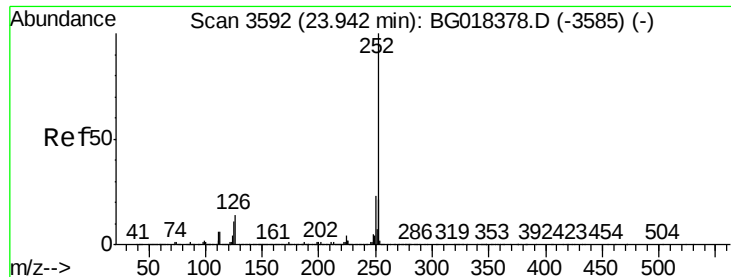
253 24.6 18.1 27.1

125 23.4 8.3 12.5#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 5.28 ng/ul

RT: 23.96 min Scan# 3594

Delta R.T. 0.01 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

ClientSampleId :

C02K2

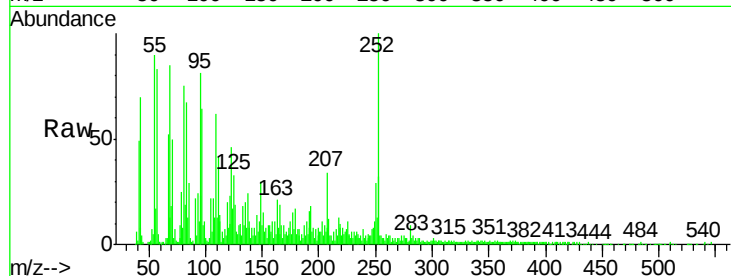
Tgt Ion:252 Resp: 128631

Ion Ratio Lower Upper

252 100

253 32.5 17.8 26.6#

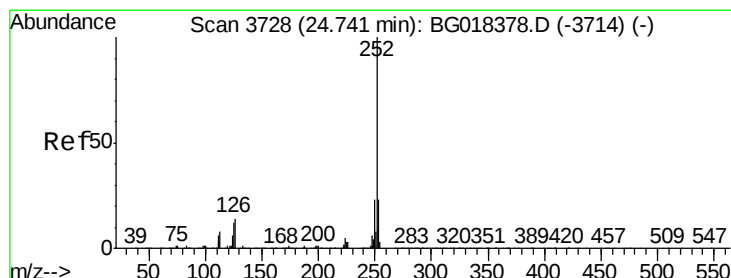
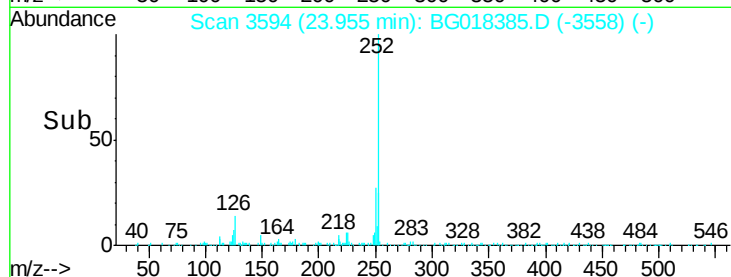
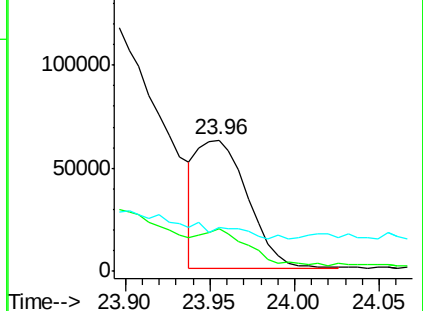
125 33.1 9.0 13.4#



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: 11.05 ng/ul

RT: 24.77 min Scan# 3732

Delta R.T. 0.02 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

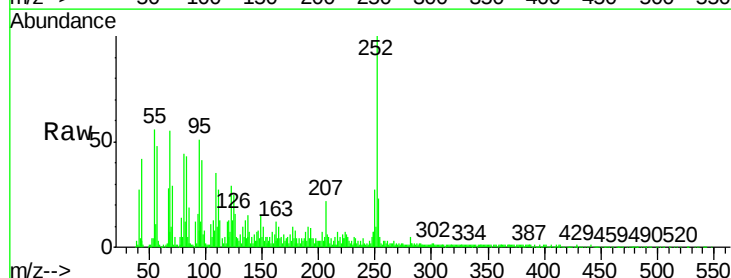
Tgt Ion:252 Resp: 265648

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

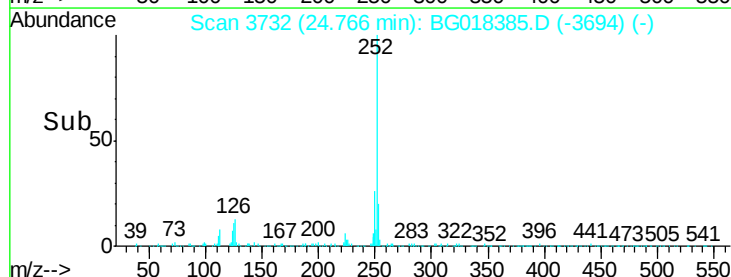
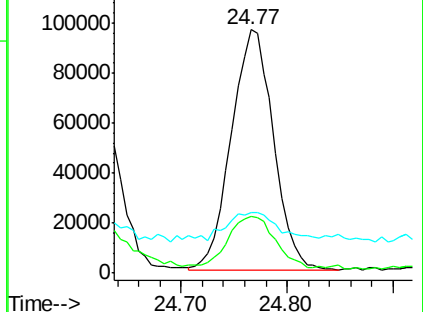
125 24.9 10.2 15.2#

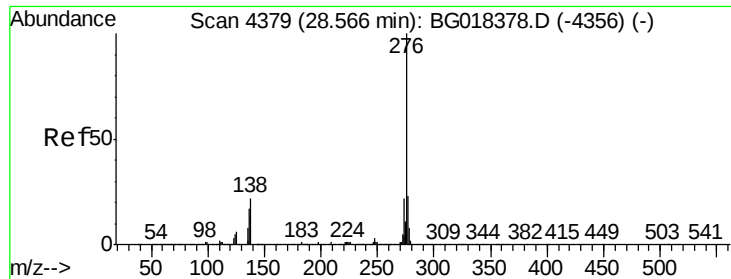


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.28 ng/ul

RT: 28.61 min Scan# 4386

Delta R.T. 0.04 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Instrument :

BNA_G

ClientSampleId :

C02K2

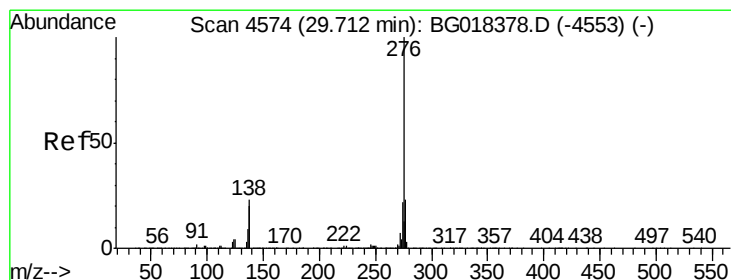
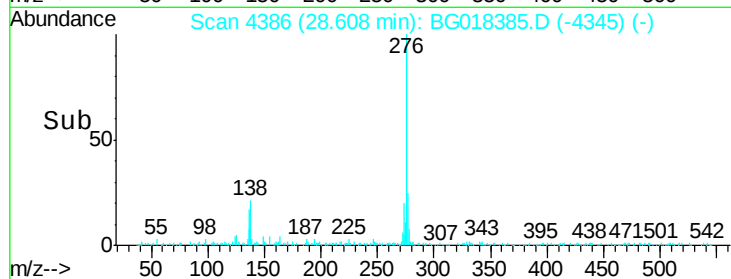
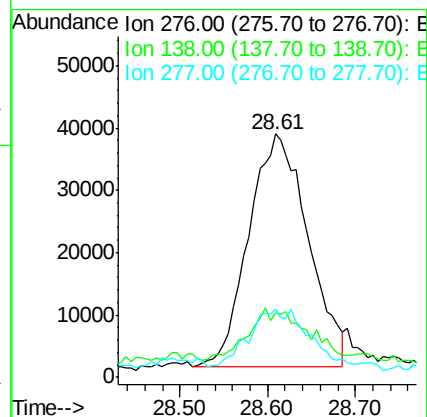
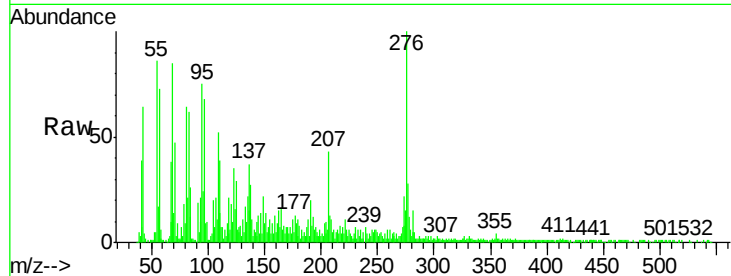
Tgt Ion:276 Resp: 174692

Ion Ratio Lower Upper

276 100

138 26.5 15.8 23.6#

277 28.2 18.9 28.3



#94

Benzo(g,h,i)perylene

Concen: 4.01 ng/ul

RT: 29.77 min Scan# 4583

Delta R.T. 0.05 min

Lab File: BG018385.D

Acq: 11 Aug 2015 17:25

Tgt Ion:276 Resp: 93664

Ion Ratio Lower Upper

276 100

138 28.1 16.5 24.7#

277 26.1 19.0 28.6

