

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080915\
 Data File : BG018347.D
 Acq On : 10 Aug 2015 2:43
 Operator : UM/TP
 Sample : G3136-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K8

Quant Time: Aug 10 04:51:55 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 02:20:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	139148	20.00	ng/ul	0.01
18) Naphthalene-d8	10.88	136	660008	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	398739	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.45	188	812831	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	683650	20.00	ng/ul	0.03
86) Perylene-d12	24.98	264	675667	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	3508	1.12	ng/uL	0.00
5) Phenol-d5	7.23	99	77636	6.21	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	62652	8.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	69450	7.21	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	19871	1.89	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	40544	8.02	ng/ul	0.01
22) 2-Nitrophenol-d4	9.96	143	39011	7.63	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	62852	5.69	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	44215	3.59	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	234446	7.04	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	262889	6.31	ng/ul	0.01
52) 4-Nitrophenol-d4	14.88	143	16783	2.81	ng/ul	0.03
58) Fluorene-d10	15.69	176	165853	5.74	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.79	200	1145	0.29	ng/ul	0.01
71) Anthracene-d10	17.54	188	224565	5.83	ng/ul	0.01
79) Pyrene-d10	19.82	212	215648	6.13	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	190597	5.35	ng/ul	0.05

Target Compounds

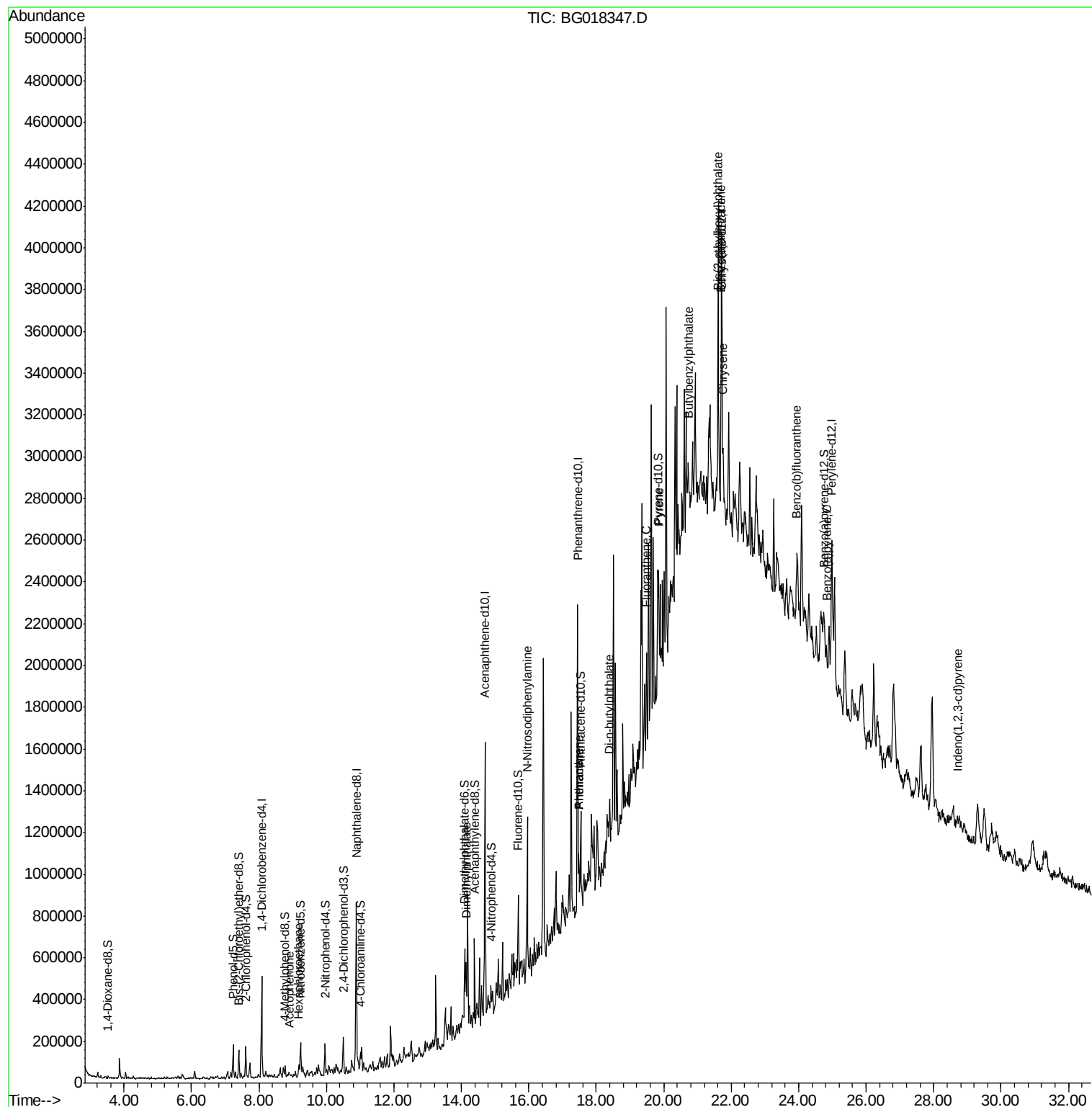
						Qvalue
14) Acetophenone	8.88	105	17041	1.12	ng/ul#	53
17) Hexachloroethane	9.19	117	4553	1.08	ng/ul#	11
45) Dimethylphthalate	14.14	163	144481	4.41	ng/ul#	97
65) N-Nitrosodiphenylamine	15.95	169	30232	1.24	ng/ul#	45
70) Phenanthrene	17.48	178	153743	3.49	ng/ul#	96
72) Anthracene	17.48	178	153743	3.43	ng/ul	97
76) Di-n-butylphthalate	18.40	149	178489	3.47	ng/ul#	96
77) Fluoranthene	19.49	202	264401	5.63	ng/ul	97
80) Pyrene	19.85	202	293335	6.42	ng/ul	97
81) Butylbenzylphthalate	20.74	149	28446	1.47	ng/ul#	61
83) Benzo(a)anthracene	21.70	228	123008	2.93	ng/ul#	86
84) Bis(2-ethylhexyl)phthalate	21.61	149	584349	21.22	ng/ul	99
85) Chrysene	21.76	228	138469	3.52	ng/ul#	91
88) Benzo(b)fluoranthene	23.94	252	174323	4.14	ng/ul#	65
91) Benzo(a)pyrene	24.83	252	119494	2.98	ng/ul#	65
92) Indeno(1,2,3-cd)pyrene	28.70	276	84863	1.83	ng/ul#	81

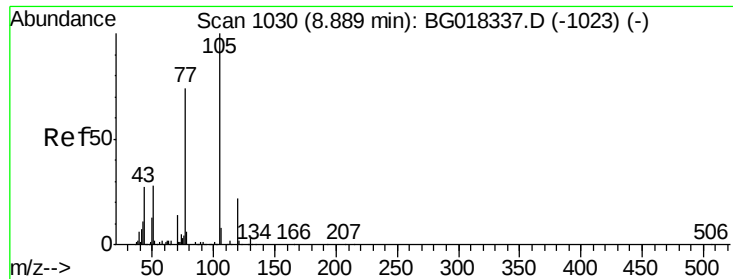
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.12 ng/ul

RT: 8.88 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

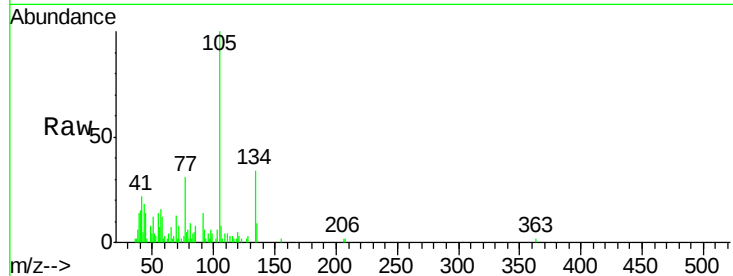
Tgt Ion:105 Resp: 17041

Ion Ratio Lower Upper

105 100

77 31.5 61.7 92.5#

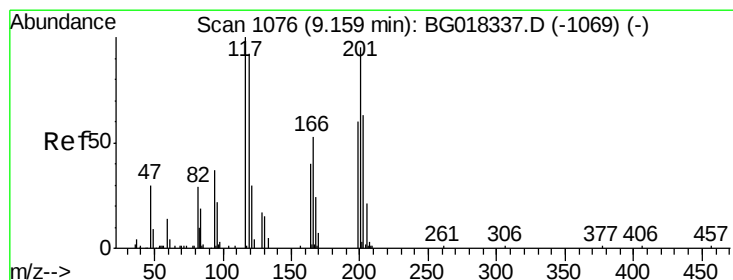
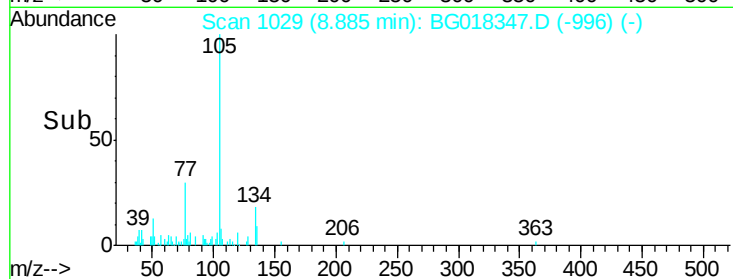
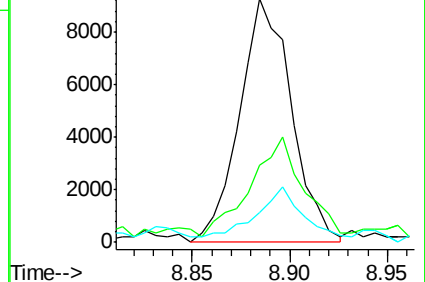
51 12.2 24.0 36.0#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#17

Hexachloroethane

Concen: 1.08 ng/ul

RT: 9.19 min Scan# 1081

Delta R.T. 0.03 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

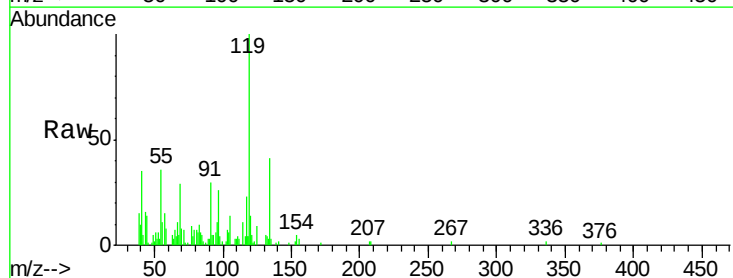
Tgt Ion:117 Resp: 4553

Ion Ratio Lower Upper

117 100

201 0.0 70.4 105.6#

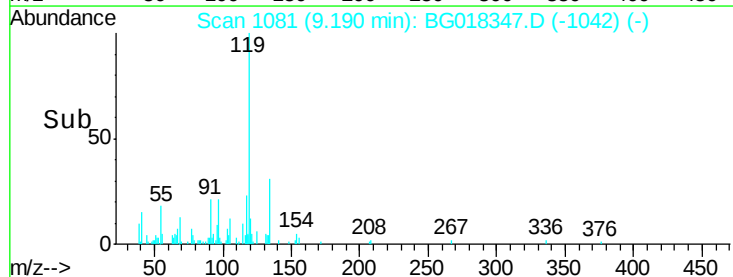
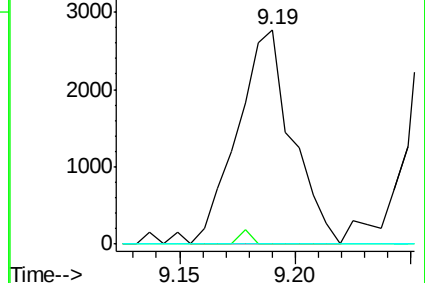
199 0.0 50.6 75.8#

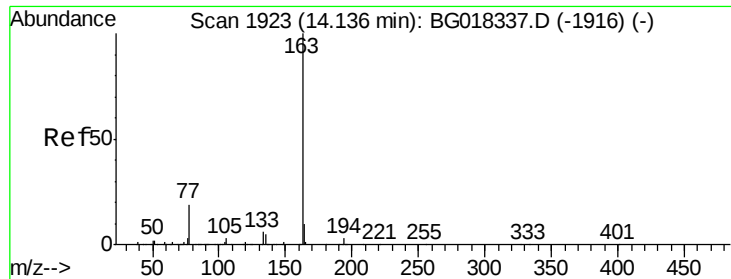


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#45

Dimethylphthalate

Concen: 4.41 ng/ul

RT: 14.14 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

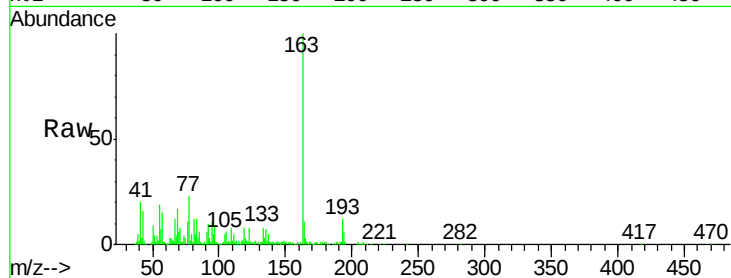
Tgt Ion:163 Resp: 144481

Ion Ratio Lower Upper

163 100

194 5.9 3.2 4.8#

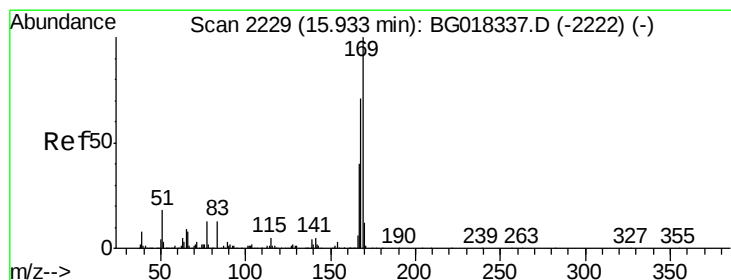
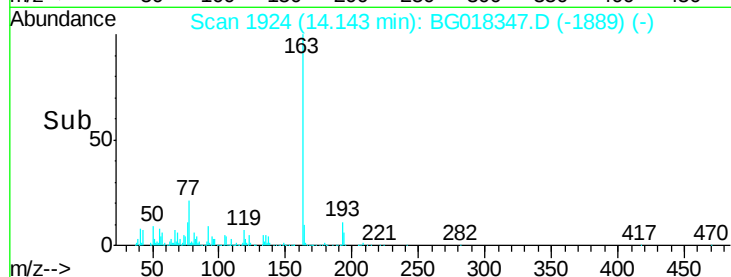
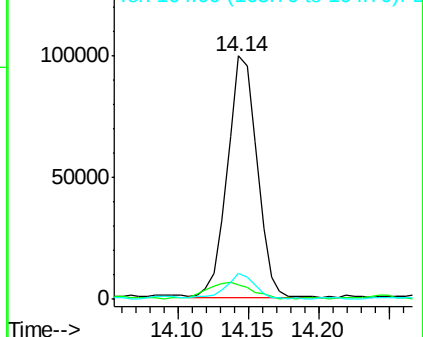
164 10.6 8.0 12.0



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



#65

N-Nitrosodiphenylamine

Concen: 1.24 ng/ul

RT: 15.95 min Scan# 2232

Delta R.T. 0.02 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

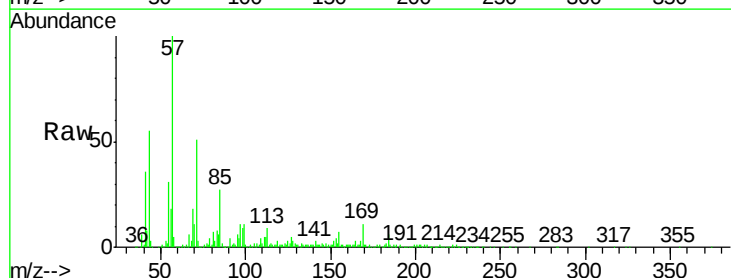
Tgt Ion:169 Resp: 30232

Ion Ratio Lower Upper

169 100

168 23.5 60.5 90.7#

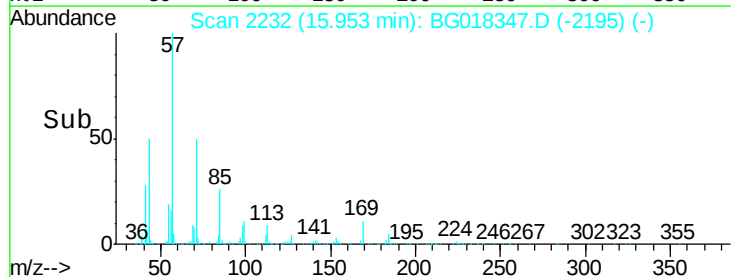
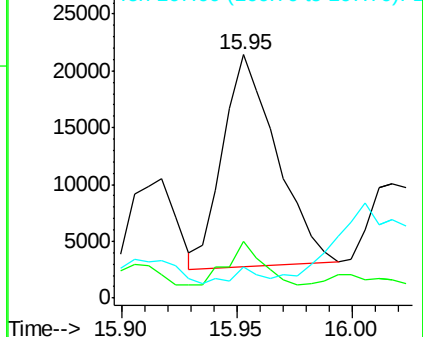
167 12.8 31.7 47.5#

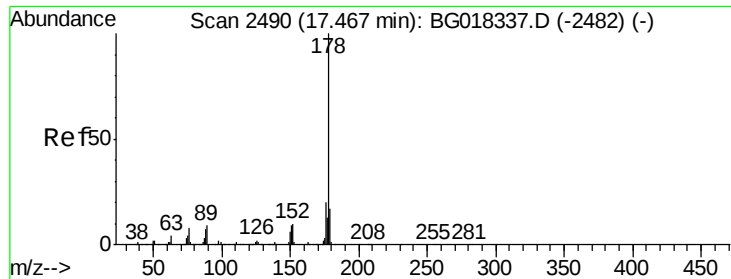


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 3.49 ng/ul

RT: 17.48 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

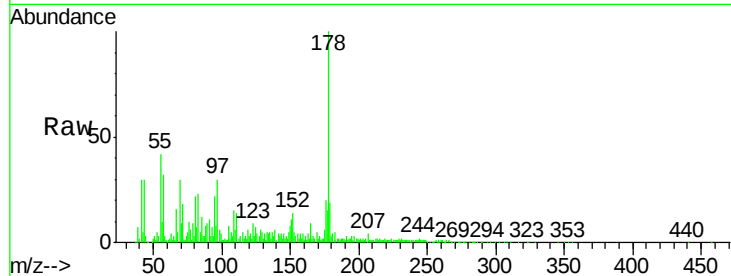
Tgt Ion:178 Resp: 153743

Ion Ratio Lower Upper

178 100

179 19.1 12.4 18.6#

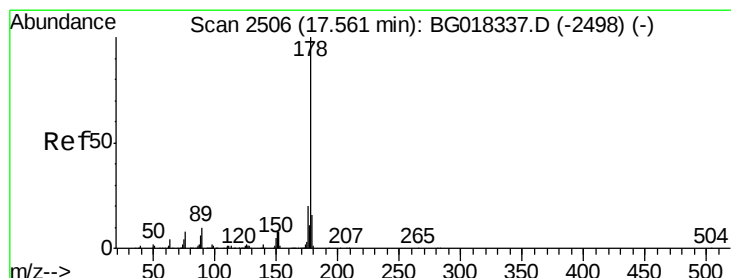
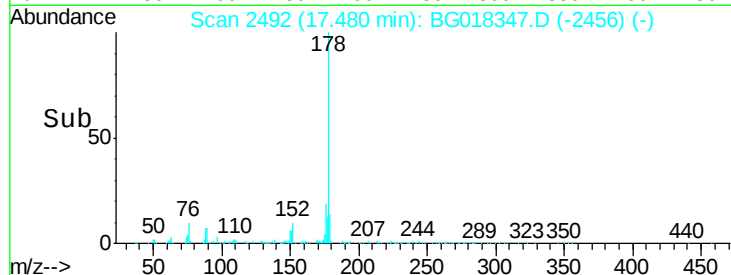
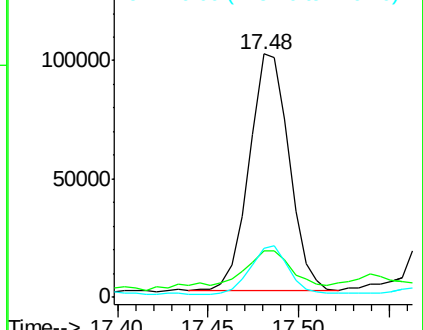
176 20.0 15.9 23.9



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



#72

Anthracene

Concen: 3.43 ng/ul

RT: 17.48 min Scan# 2492

Delta R.T. -0.08 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

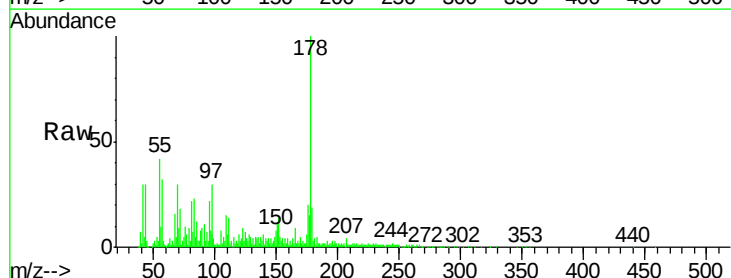
Tgt Ion:178 Resp: 153743

Ion Ratio Lower Upper

178 100

179 19.1 12.8 19.2

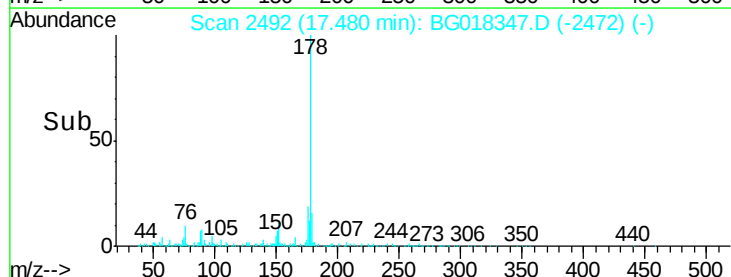
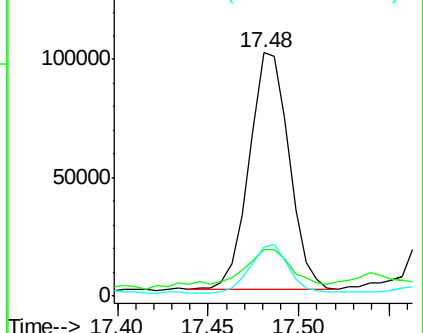
176 20.0 15.9 23.9

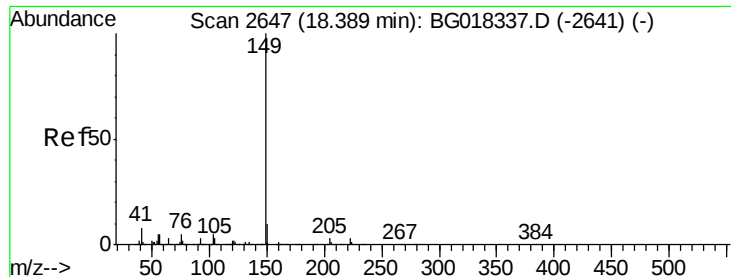


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Di-n-butylphthalate

Concen: 3.47 ng/ul

RT: 18.40 min Scan# 2649

Delta R.T. 0.01 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

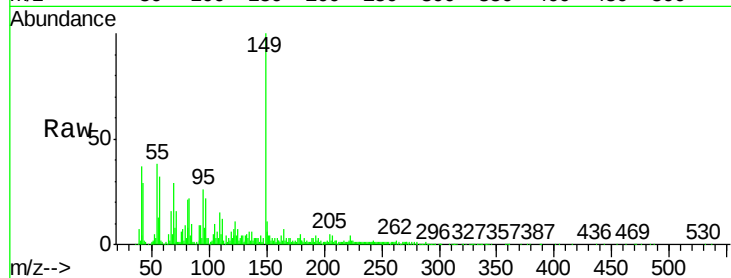
Tgt Ion:149 Resp: 178489

Ion Ratio Lower Upper

149 100

150 11.5 7.4 11.2#

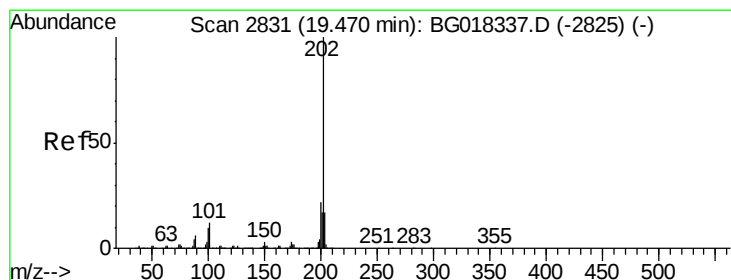
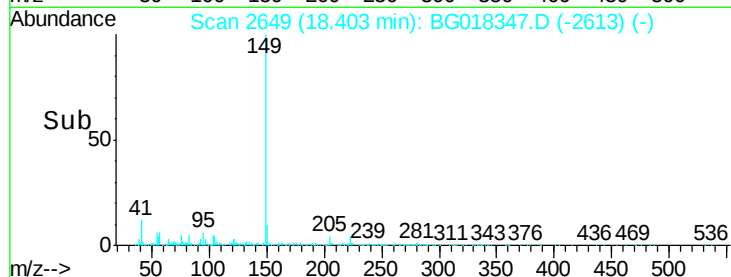
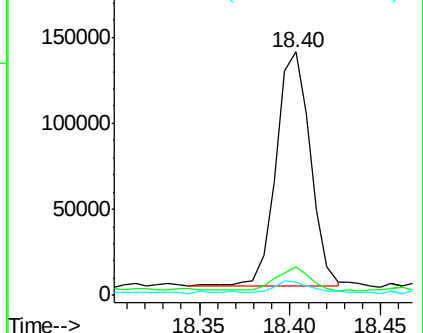
104 5.3 4.6 7.0



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: 5.63 ng/ul

RT: 19.49 min Scan# 2834

Delta R.T. 0.02 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

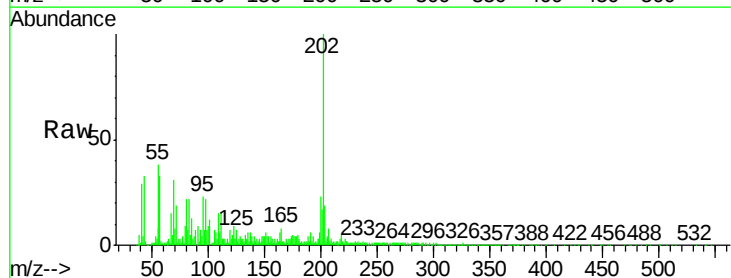
Tgt Ion:202 Resp: 264401

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

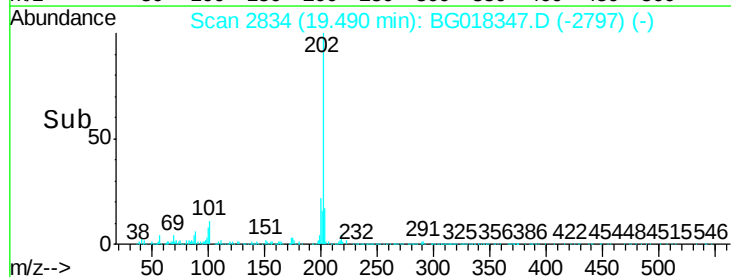
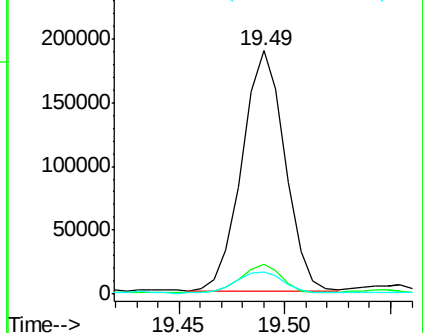
100 9.1 8.5 12.7

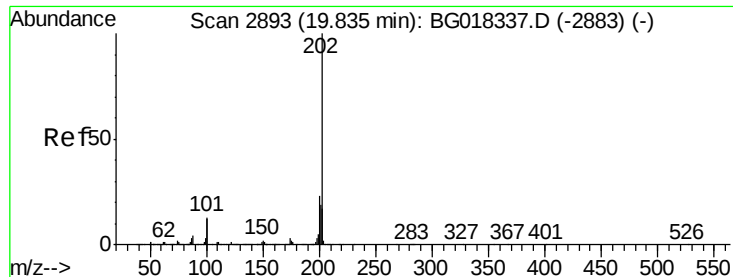


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

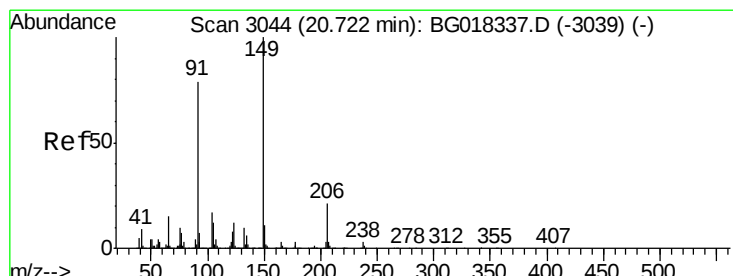
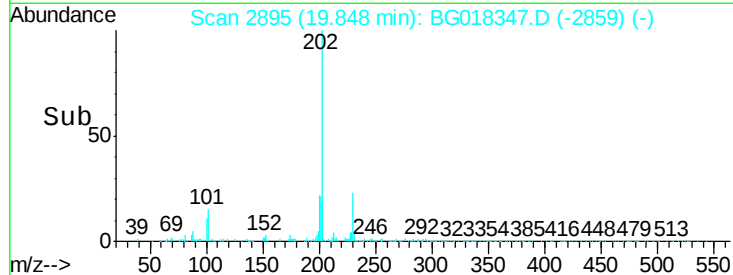
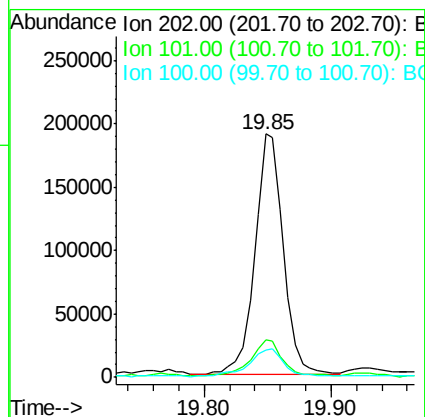
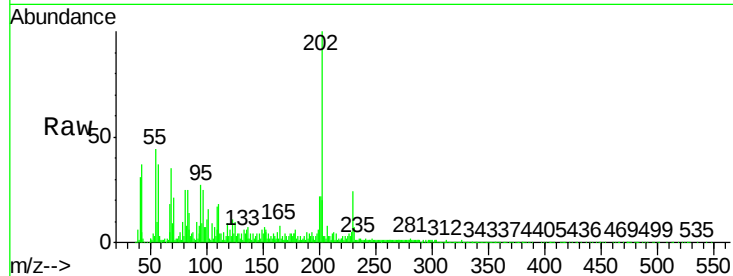




#80
 Pyrene
 Concen: 6.42 ng/ul
 RT: 19.85 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: BG018347.D
 Acq: 10 Aug 2015 2:43

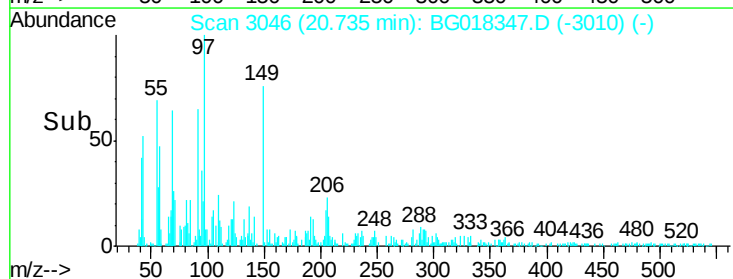
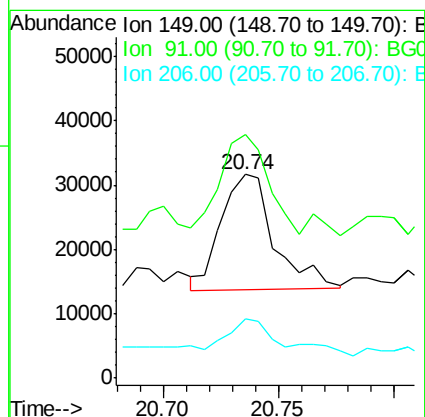
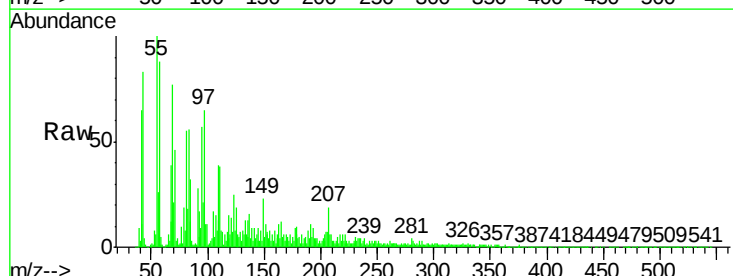
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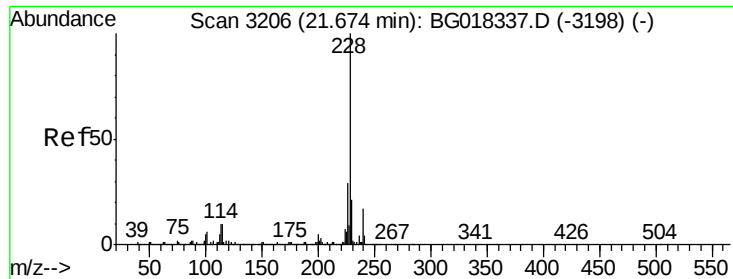
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.7	11.3	16.9
100	11.5	9.6	14.4



#81
 Butylbenzylphthalate
 Concen: 1.47 ng/ul
 RT: 20.74 min Scan# 3046
 Delta R.T. 0.01 min
 Lab File: BG018347.D
 Acq: 10 Aug 2015 2:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	119.5	63.4	95.2#
206	29.3	17.8	26.6#





#83

Benzo(a)anthracene

Concen: 2.93 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. 0.03 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

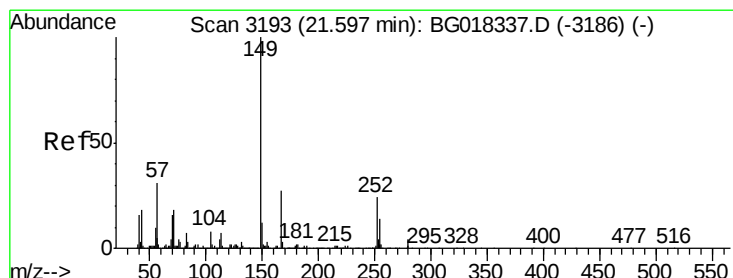
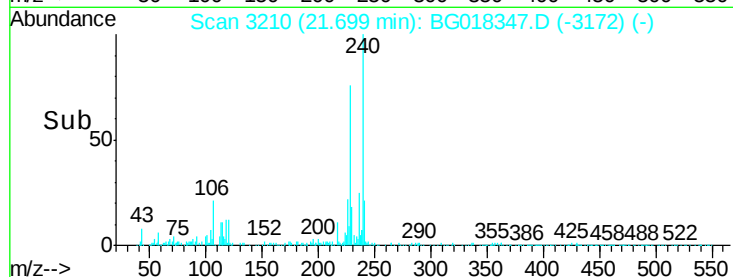
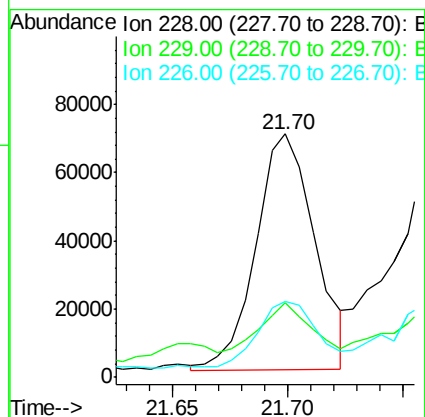
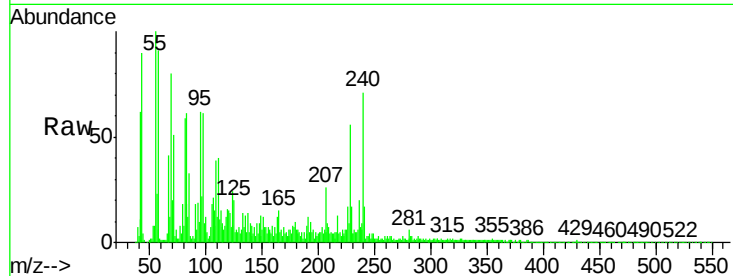
Tgt Ion:228 Resp: 123008

Ion Ratio Lower Upper

228 100

229 30.8 15.4 23.2#

226 31.4 22.3 33.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.22 ng/ul

RT: 21.61 min Scan# 3195

Delta R.T. 0.01 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

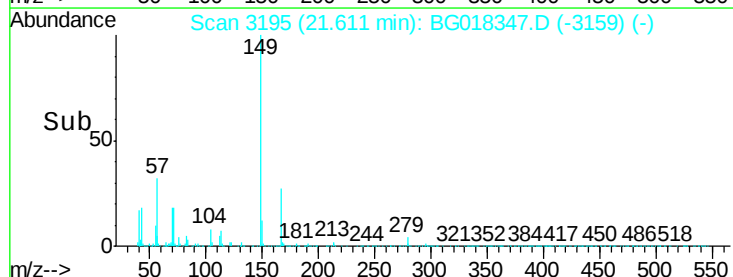
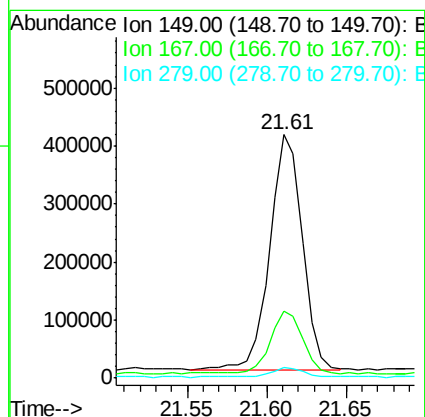
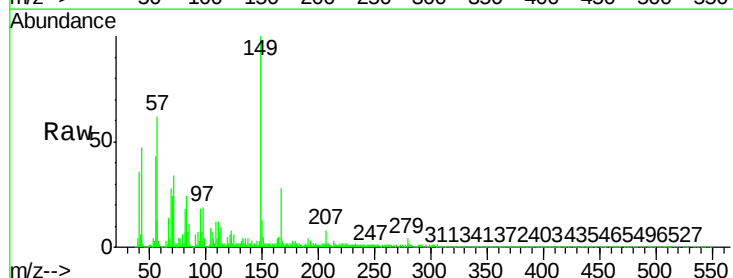
Tgt Ion:149 Resp: 584349

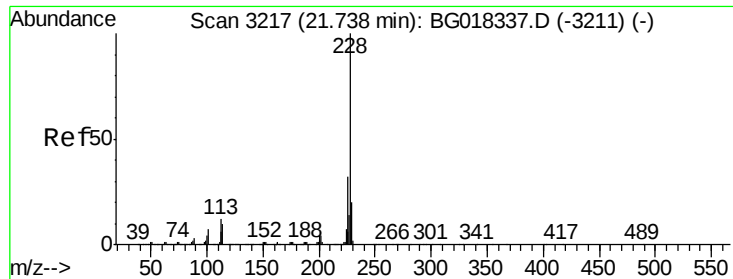
Ion Ratio Lower Upper

149 100

167 27.7 21.8 32.6

279 4.1 2.8 4.2





#85

Chrysene

Concen: 3.52 ng/ul

RT: 21.76 min Scan# 3221

Delta R.T. 0.03 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

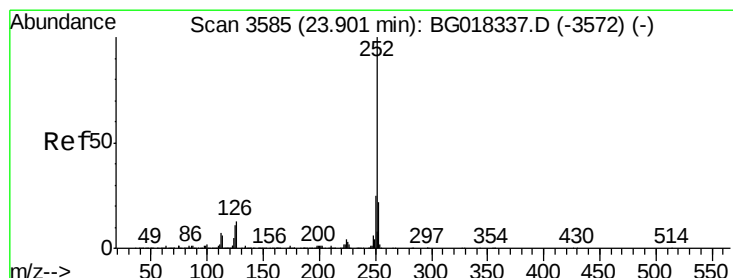
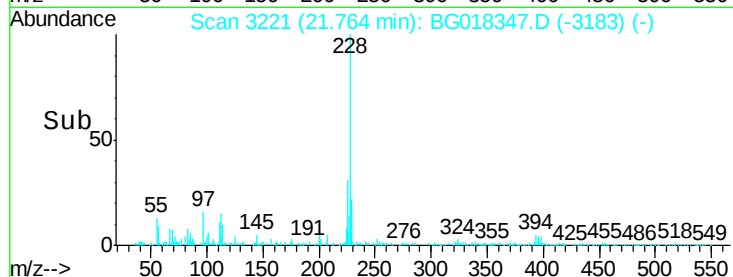
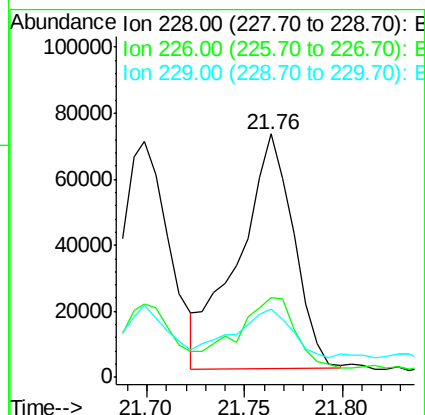
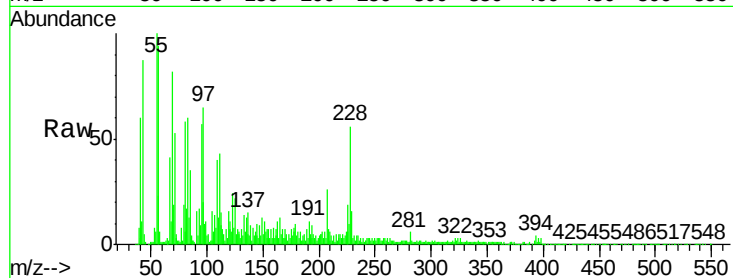
Tgt Ion:228 Resp: 138469

Ion Ratio Lower Upper

228 100

226 33.0 24.6 37.0

229 28.0 16.0 24.0#



#88

Benzo(b)fluoranthene

Concen: 4.14 ng/ul

RT: 23.94 min Scan# 3592

Delta R.T. 0.04 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

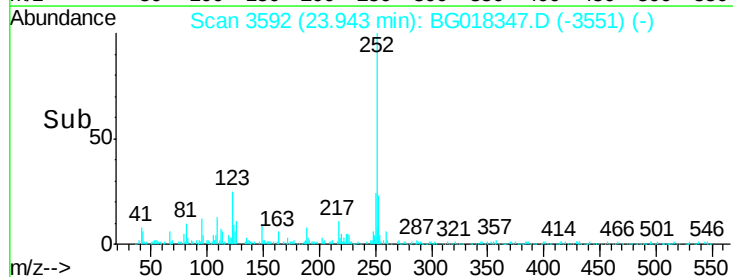
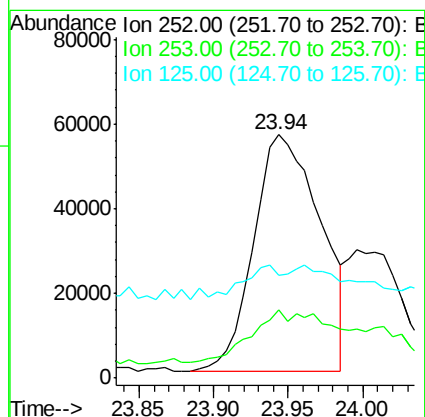
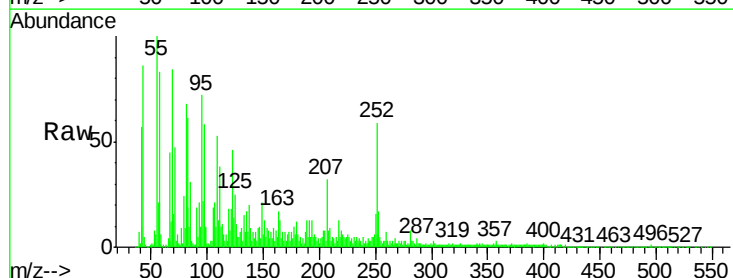
Tgt Ion:252 Resp: 174323

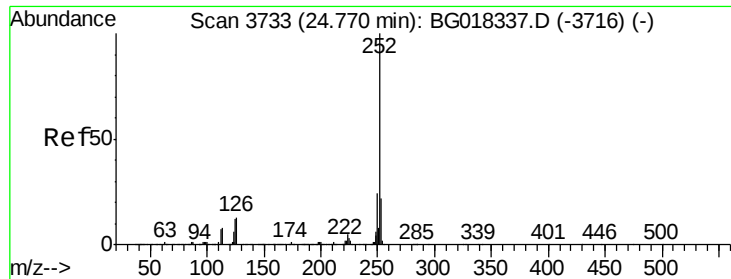
Ion Ratio Lower Upper

252 100

253 28.3 18.0 27.0#

125 42.4 8.6 12.8#





#91

Benzo(a)pyrene

Concen: 2.98 ng/ul

RT: 24.83 min Scan# 3743

Delta R.T. 0.06 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Instrument :

BNA_G

ClientSampleId :

C02K8

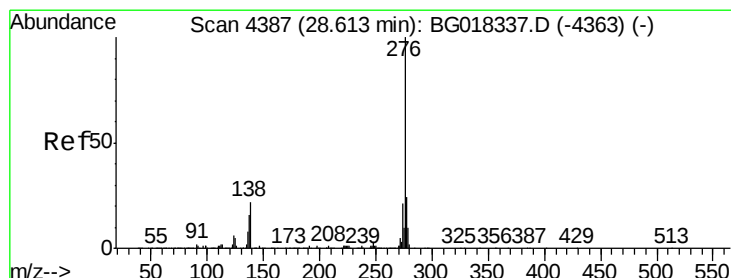
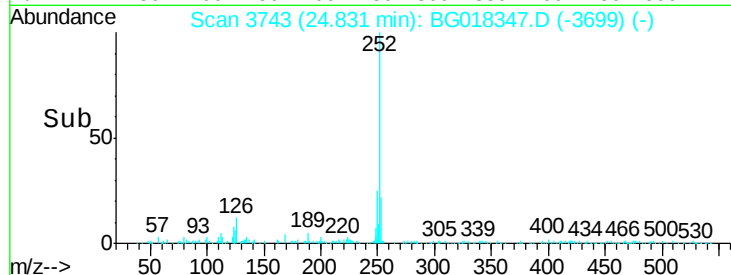
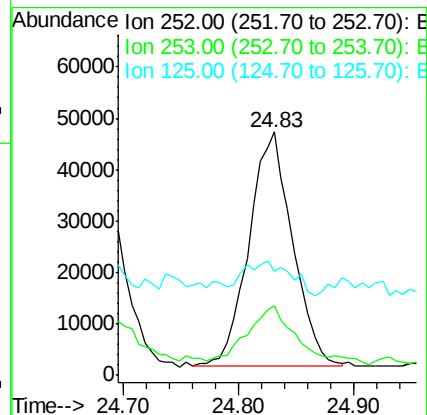
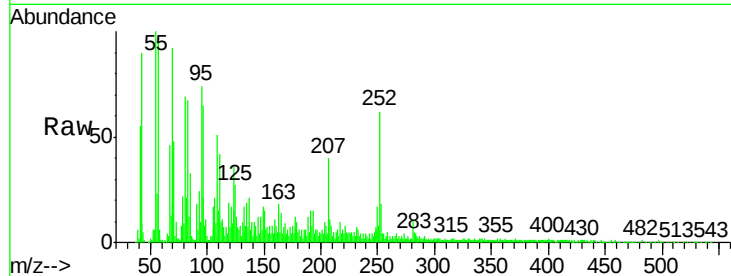
Tgt Ion:252 Resp: 119494

Ion Ratio Lower Upper

252 100

253 28.7 18.6 27.8#

125 43.0 9.8 14.6#



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.83 ng/ul

RT: 28.70 min Scan# 4402

Delta R.T. 0.09 min

Lab File: BG018347.D

Acq: 10 Aug 2015 2:43

Tgt Ion:276 Resp: 84863

Ion Ratio Lower Upper

276 100

138 32.6 15.9 23.9#

277 29.6 19.0 28.6#

