

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018207.D
 Acq On : 1 Aug 2015 6:58
 Operator : TP/UM
 Sample : G3065-22
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

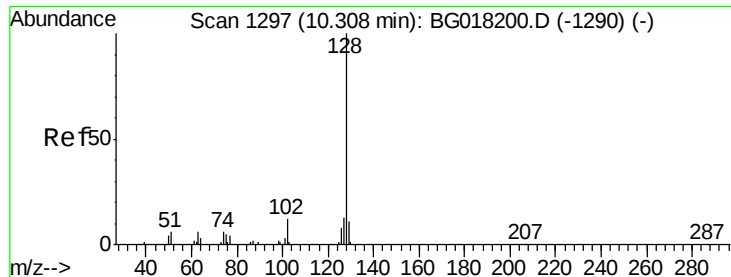
Quant Time: Aug 03 01:58:35 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	75648	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	345822	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	202384	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	331300	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	350703	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	376384	20.00	ng/ul	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	2.97	96	2423	2.42	ng/uL	0.00
5) Phenol-d5	6.68	99	97838	14.38	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	50098	14.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	78017	15.19	ng/ul	0.01
13) 4-Methylphenol-d8	8.21	113	64595	11.66	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	43688	16.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	44646	14.28	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.90	165	83743	15.16	ng/ul	0.01
29) 4-Chloroaniline-d4	10.41	131	31921	4.64	ng/ul	0.01
44) Dimethylphthalate-d6	13.57	166	247859	15.85	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	277490	15.30	ng/ul	0.01
52) 4-Nitrophenol-d4	14.40	143	24803	8.57	ng/ul	0.02
58) Fluorene-d10	15.16	176	182620	12.90	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.30	200	947	0.41	ng/ul	0.01
71) Anthracene-d10	17.02	188	193465	13.43	ng/ul	0.01
79) Pyrene-d10	19.33	212	185256	10.92	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.17	264	203161	10.67	ng/ul	0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
28) Naphthalene	10.32	128	41760	2.51	ng/ul	96
45) Dimethylphthalate	13.62	163	114389	7.35	ng/ul	98
50) Acenaphthene	14.22	153	57744	4.92	ng/ul	98
54) Dibenzofuran	14.56	168	39506	2.24	ng/ul#	84
59) Fluorene	15.22	166	46793	3.07	ng/ul	98
70) Phenanthrene	16.96	178	497192	29.54	ng/ul	99
72) Anthracene	17.05	178	128874	7.70	ng/ul	100
75) Carbazole	17.33	167	48610	3.49	ng/ul	98
77) Fluoranthene	18.99	202	625606	33.84	ng/ul#	95
80) Pyrene	19.36	202	530183	24.92	ng/ul	95
81) Butylbenzylphthalate	20.27	149	43600	5.05	ng/ul#	81
83) Benzo(a)anthracene	21.11	228	288310	15.27	ng/ul	100
84) Bis(2-ethylhexyl)phthalate	21.05	149	76203	6.54	ng/ul	95
85) Chrysene	21.17	228	297891	17.22	ng/ul	97
88) Benzo(b)fluoranthene	22.66	252	415048	18.36	ng/ul#	97
89) Benzo(k)fluoranthene	22.66	252	415048	19.97	ng/ul#	96
91) Benzo(a)pyrene	23.22	252	291547	14.41	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.52	276	167908	7.17	ng/ul#	86
93) Dibenzo(a,h)anthracene	25.53	278	44499	2.22	ng/ul#	89
94) Benzo(g,h,i)perylene	26.20	276	143303	7.50	ng/ul#	92

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



#28

Naphthalene

Concen: 2.51 ng/ul

RT: 10.32 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

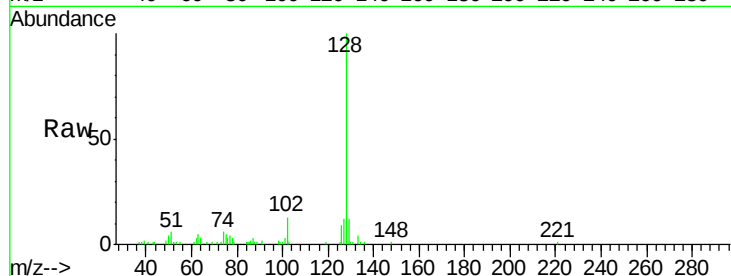
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 41760

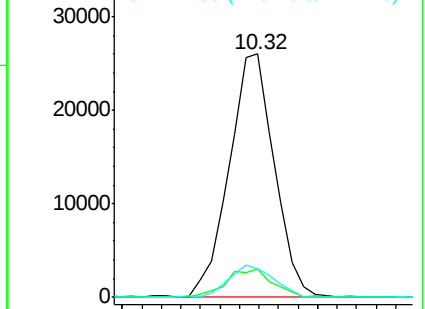
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.1	13.7
127	11.5	11.2	16.8



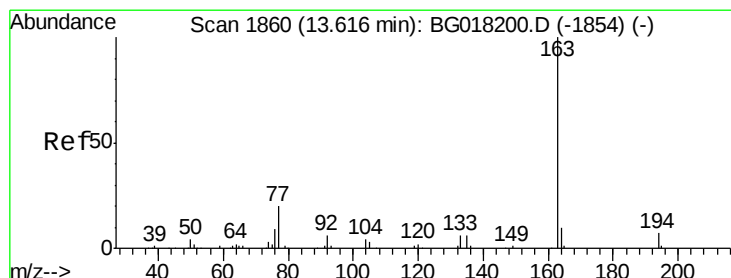
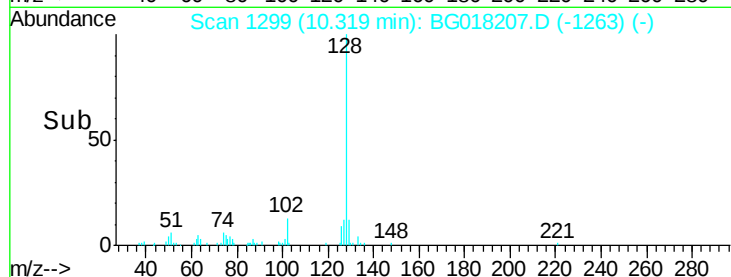
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#45

Dimethylphthalate

Concen: 7.35 ng/ul

RT: 13.62 min Scan# 1861

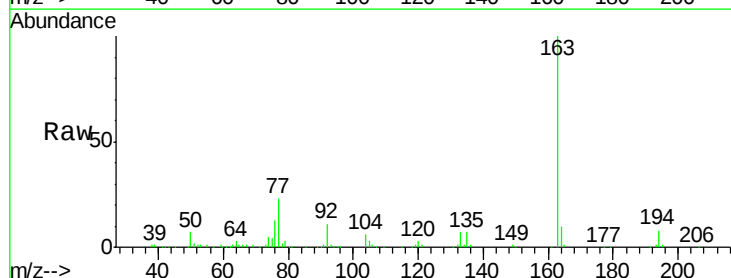
Delta R.T. 0.00 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Tgt Ion:163 Resp: 114389

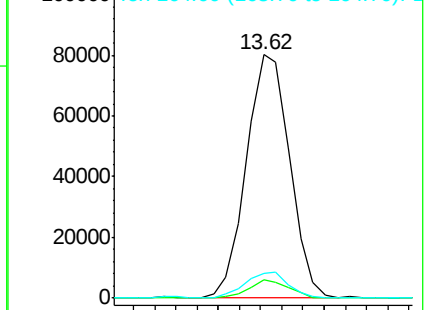
Ion	Ratio	Lower	Upper
163	100		
194	7.6	5.2	7.8
164	9.9	8.4	12.6



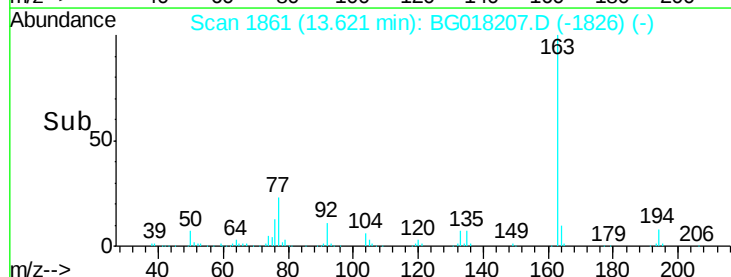
Abundance Ion 163.00 (162.70 to 163.70): E

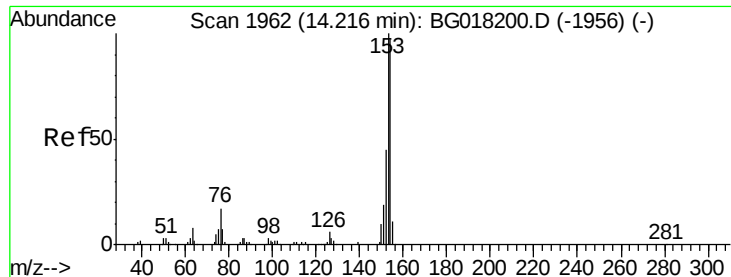
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->





#50

Acenaphthene

Concen: 4.92 ng/ul

RT: 14.22 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

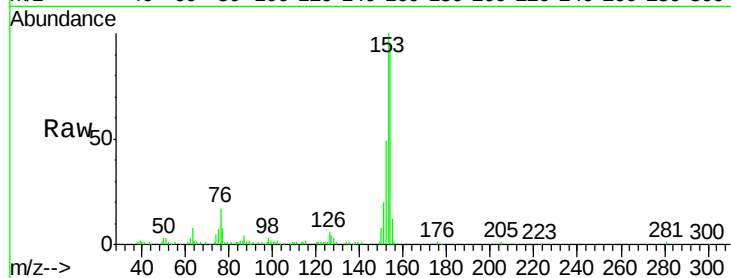
Tot Ion:153 Resp: 57744

Ion	Ratio	Lower	Upper
153	100		
152	48.7	38.7	58.1
154	95.5	74.8	112.2

153 100

152 48.7 38.7 58.1

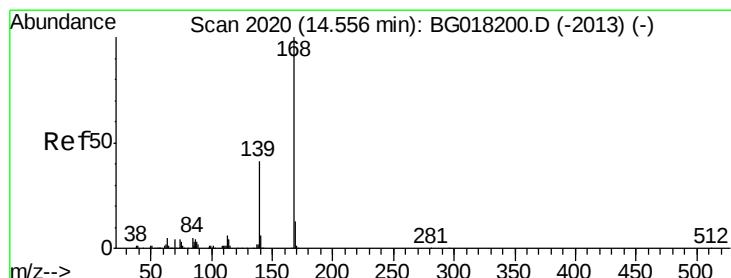
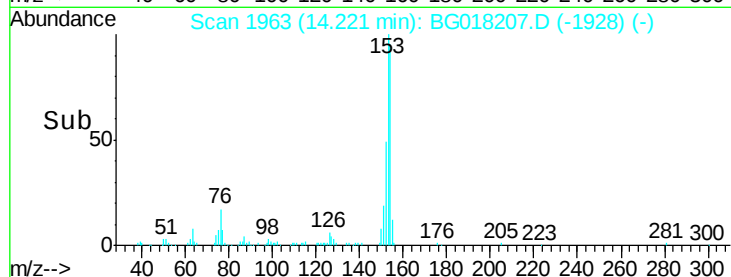
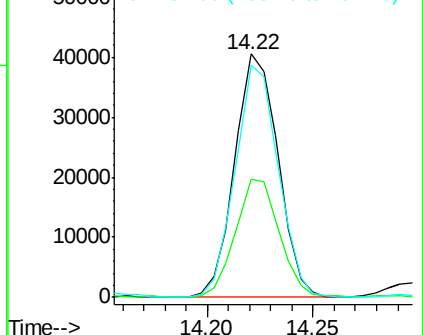
154 95.5 74.8 112.2



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: 2.24 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BG018207.D

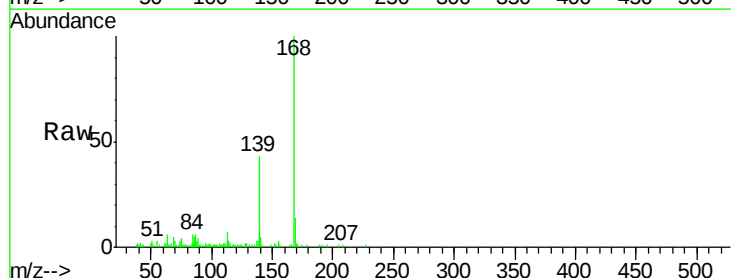
Acq: 1 Aug 2015 6:58

Tgt Ion:168 Resp: 39506

Ion	Ratio	Lower	Upper
168	100		
139	42.6	26.8	40.2

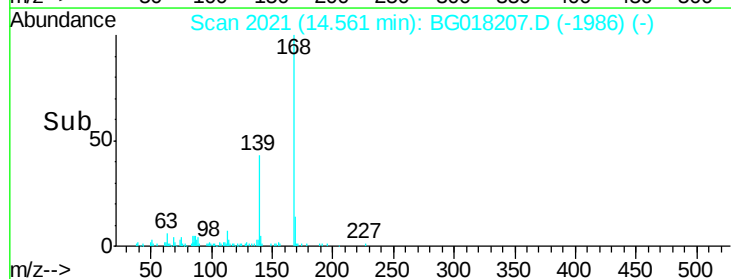
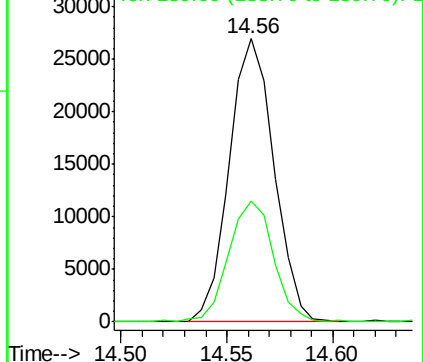
168 100

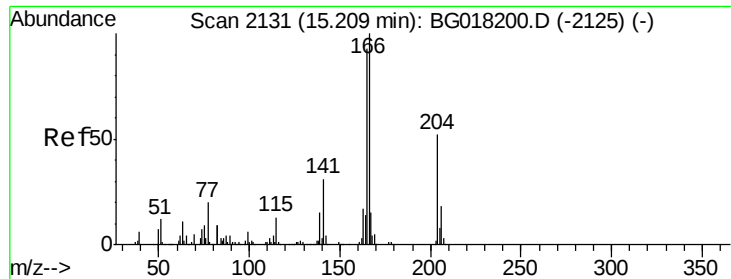
139 42.6 26.8 40.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 3.07 ng/ul

RT: 15.22 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

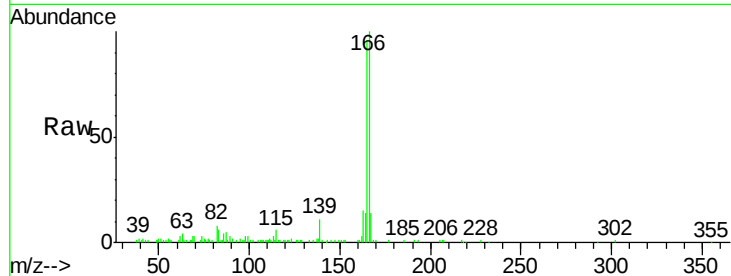
Tot Ion:166 Resp: 46793

Ion Ratio Lower Upper

166 100

165 96.2 75.1 112.7

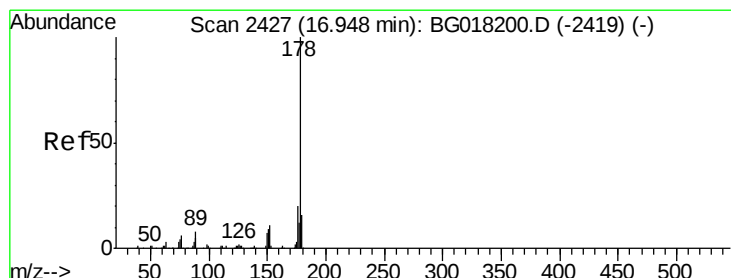
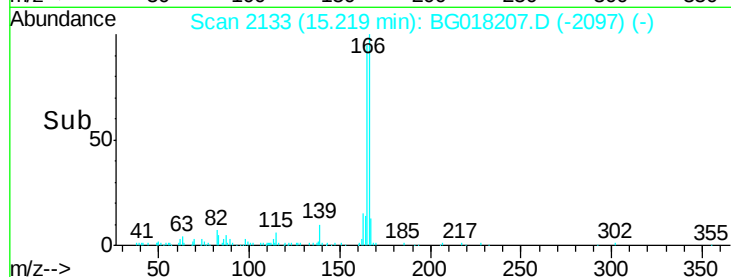
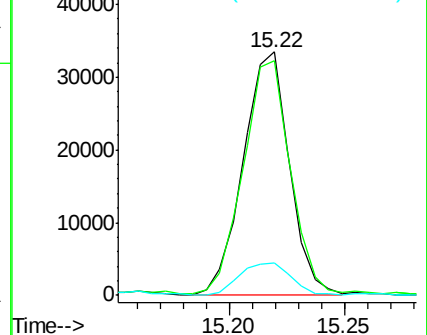
167 13.5 11.8 17.6



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: 29.54 ng/ul

RT: 16.96 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

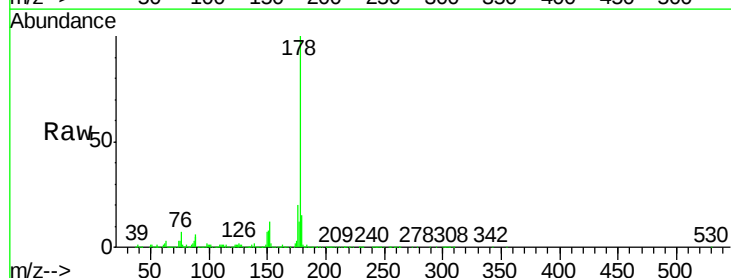
Tgt Ion:178 Resp: 497192

Ion Ratio Lower Upper

178 100

179 14.9 12.8 19.2

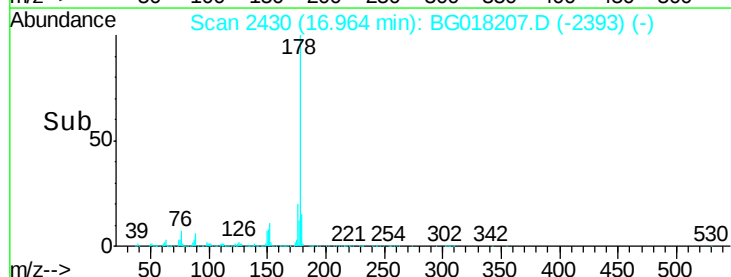
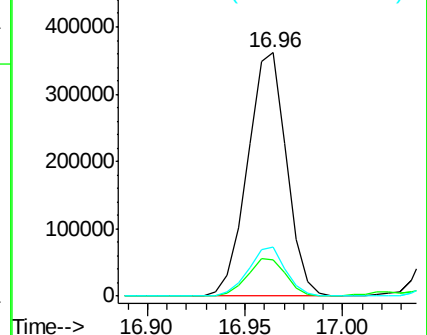
176 20.1 16.0 24.0

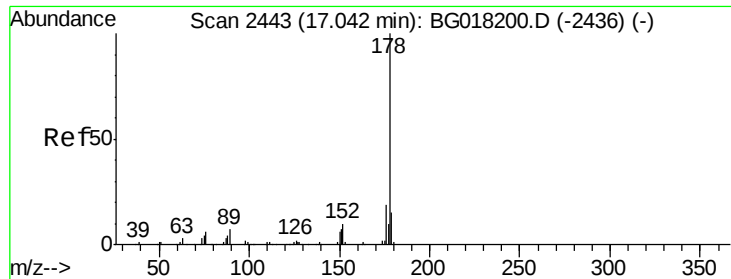


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.70 ng/ul

RT: 17.05 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

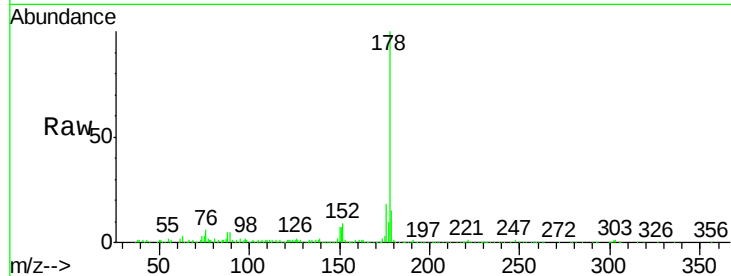
Tot Ion:178 Resp: 128874

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

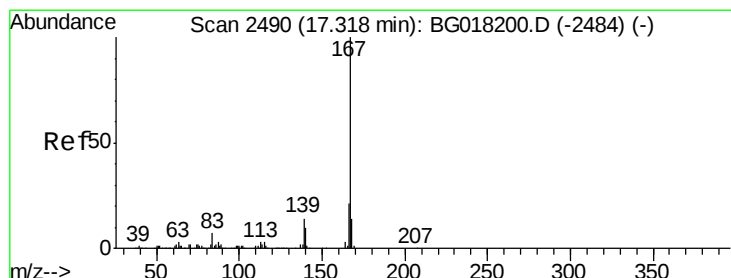
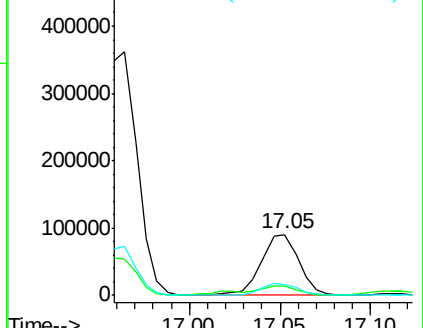
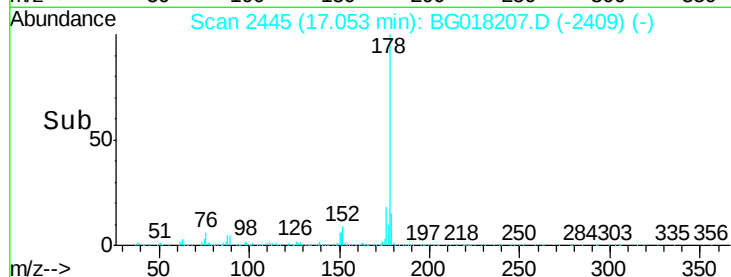
176 18.3 14.8 22.2



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: 3.49 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

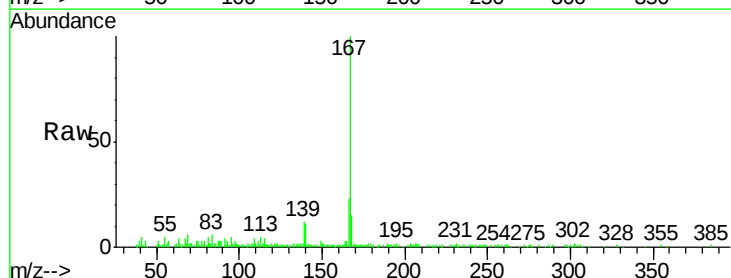
Tgt Ion:167 Resp: 48610

Ion Ratio Lower Upper

167 100

166 22.6 17.5 26.3

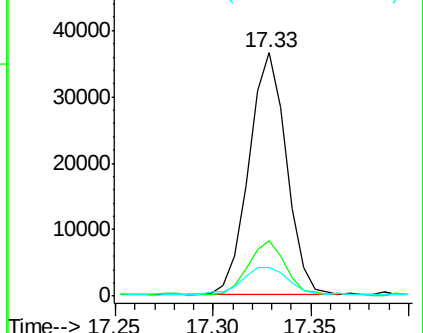
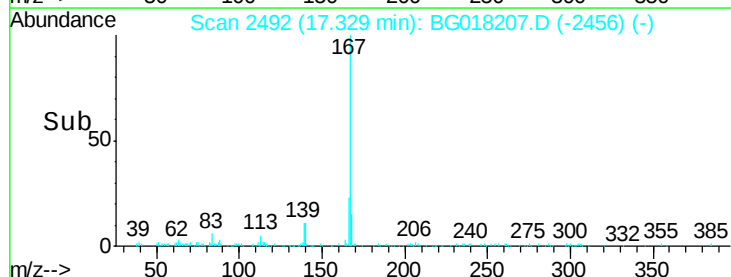
139 12.0 10.1 15.1

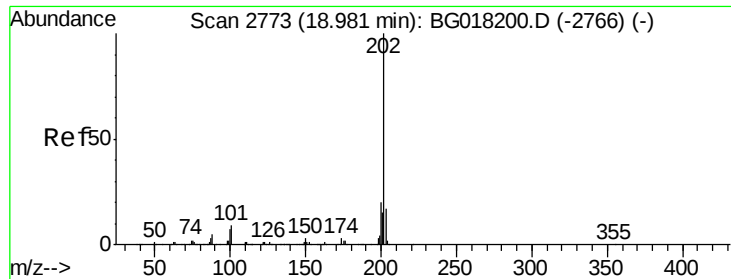


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 33.84 ng/ul

RT: 18.99 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG018207.D

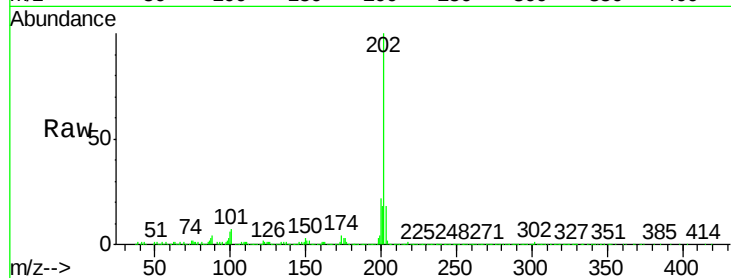
Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

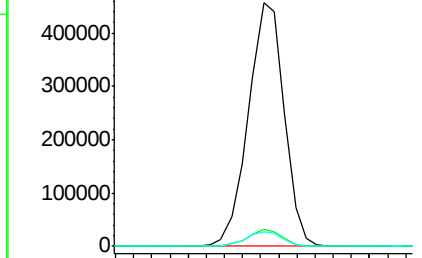
Tot Ion:	202	Resp:	625606
Ion	Ratio	Lower	Upper
202	100		
101	6.9	7.5	11.3#
100	6.2	5.5	8.3



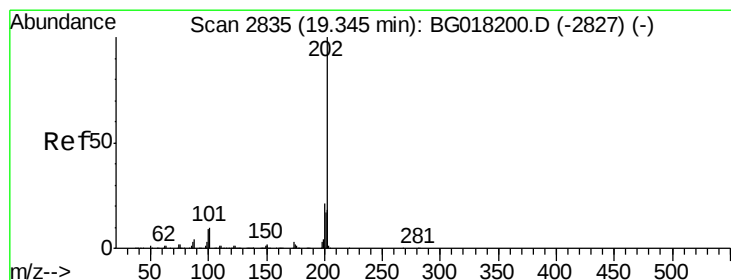
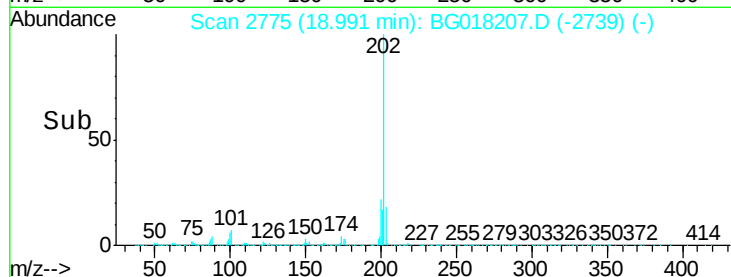
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Pyrene

Concen: 24.92 ng/ul

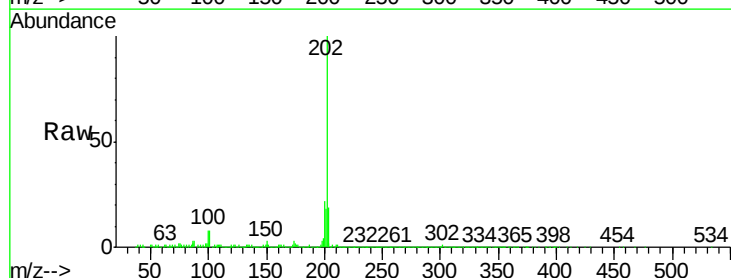
RT: 19.36 min Scan# 2837

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

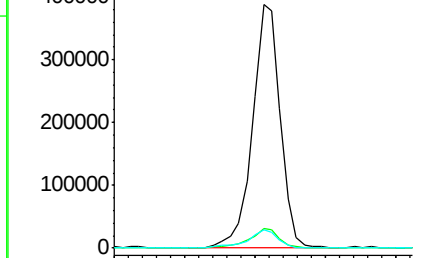
Tgt Ion:	202	Resp:	530183
Ion	Ratio	Lower	Upper
202	100		
101	8.2	8.1	12.1
100	7.6	7.4	11.0



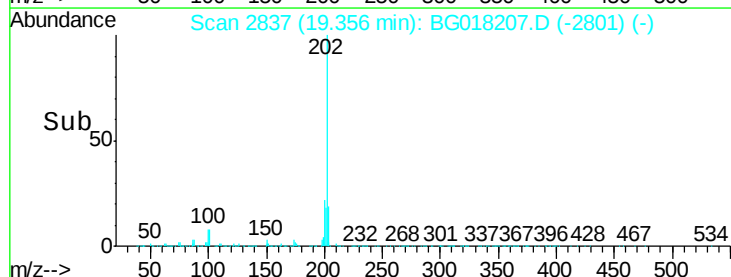
Abundance Ion 202.00 (201.70 to 202.70): E

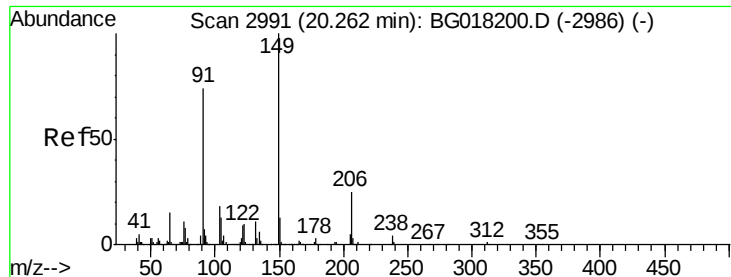
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

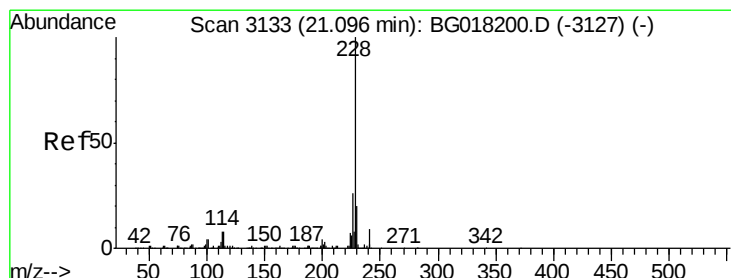
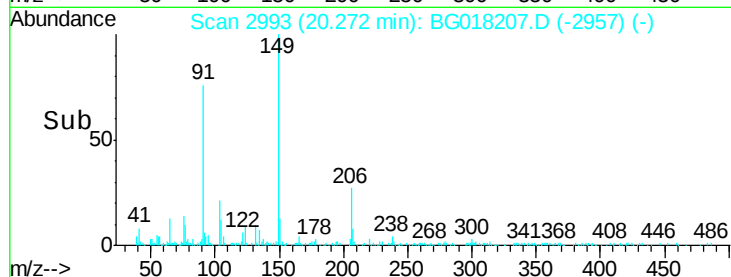
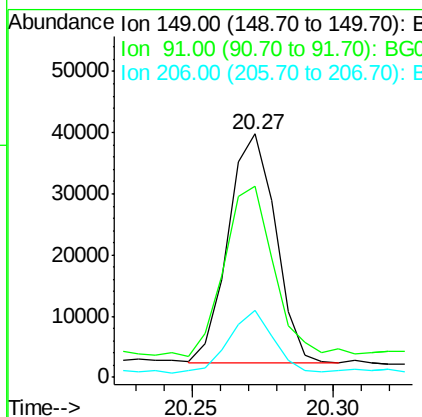
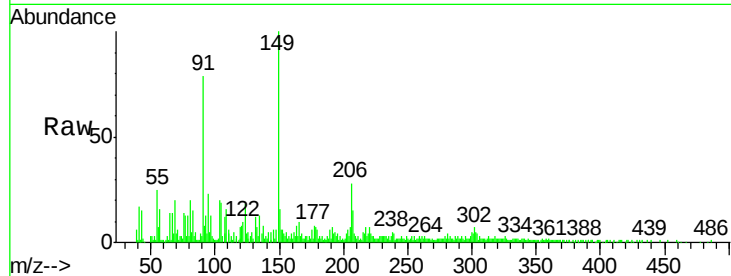




#81
Butylbenzylphthalate
Concen: 5.05 ng/ul
RT: 20.27 min Scan# 2993
Delta R.T. 0.01 min
Lab File: BG018207.D
Acq: 1 Aug 2015 6:58

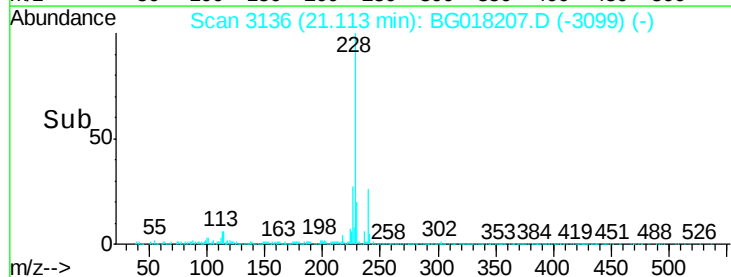
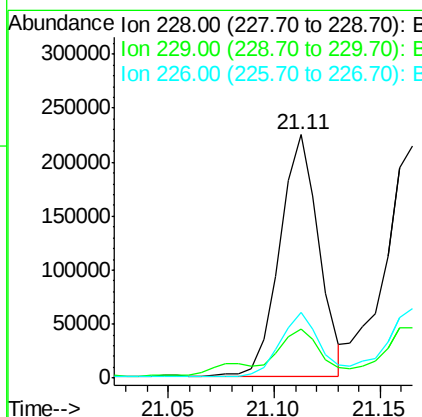
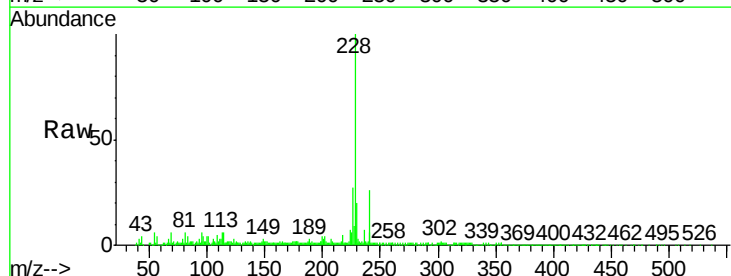
Instrument :
BNA_G
ClientSampleId :

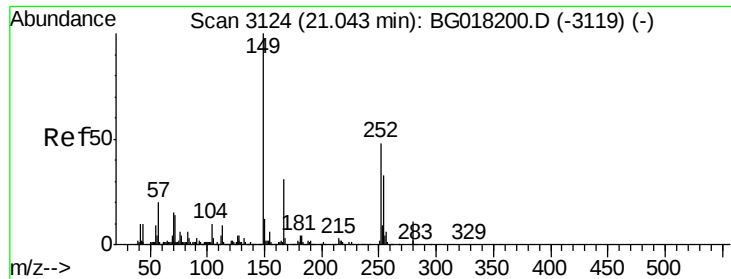
Tot Ion:149 Resp: 43600
Ion Ratio Lower Upper
149 100
91 78.6 46.6 69.8#
206 27.6 21.8 32.8



#83
Benzo(a)anthracene
Concen: 15.27 ng/ul
RT: 21.11 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BG018207.D
Acq: 1 Aug 2015 6:58

Tgt Ion:228 Resp: 288310
Ion Ratio Lower Upper
228 100
229 20.4 16.5 24.7
226 27.1 21.5 32.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.54 ng/ul

RT: 21.05 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

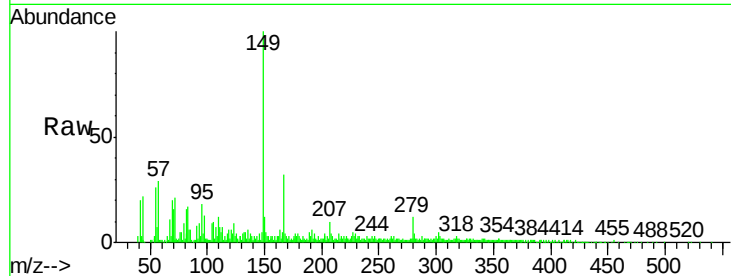
Instrument :

BNA_G

ClientSampleId :

Tot Ion:149 Resp: 76203

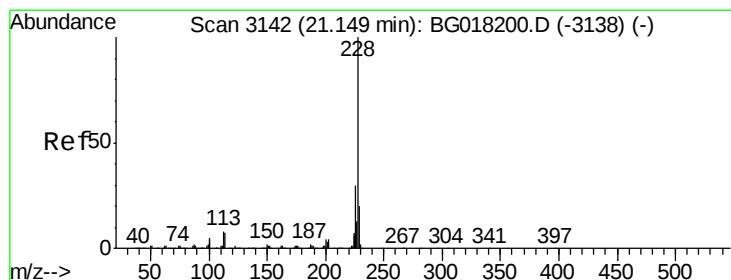
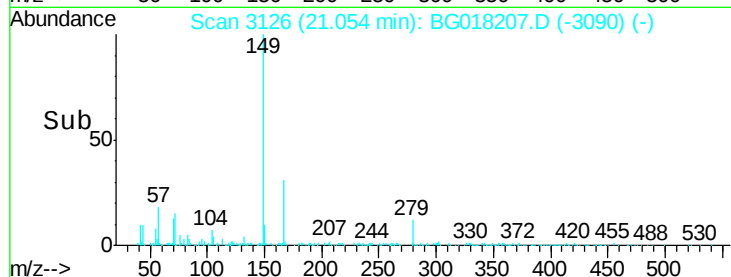
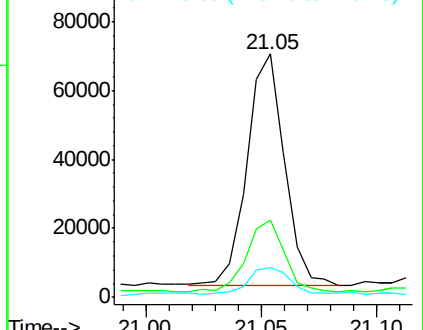
Ion	Ratio	Lower	Upper
149	100		
167	31.8	27.4	41.2
279	12.4	8.3	12.5



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: 17.22 ng/ul

RT: 21.17 min Scan# 3145

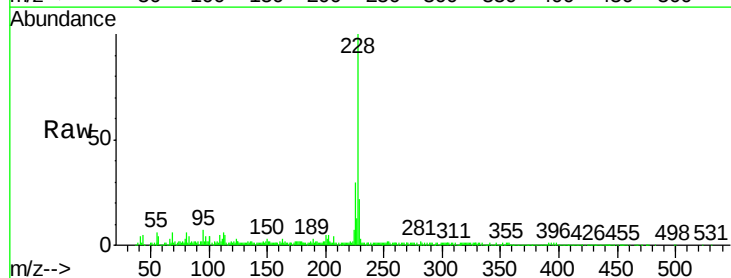
Delta R.T. 0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Tgt Ion:228 Resp: 297891

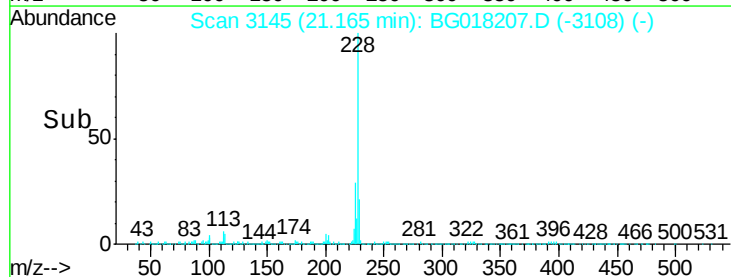
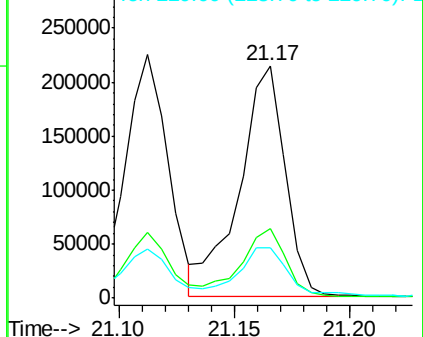
Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.7	34.1
229	21.7	16.2	24.2

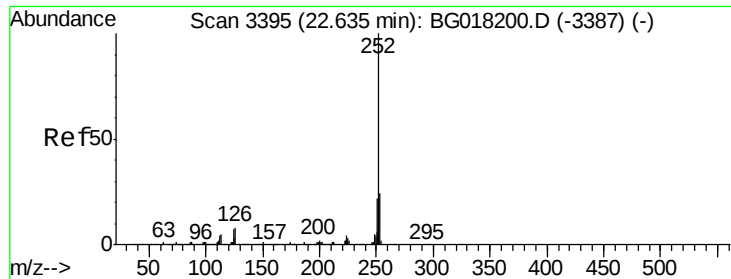


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 18.36 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

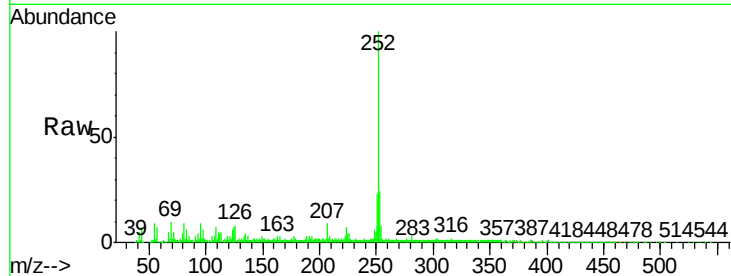
Tot Ion:252 Resp: 415048

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

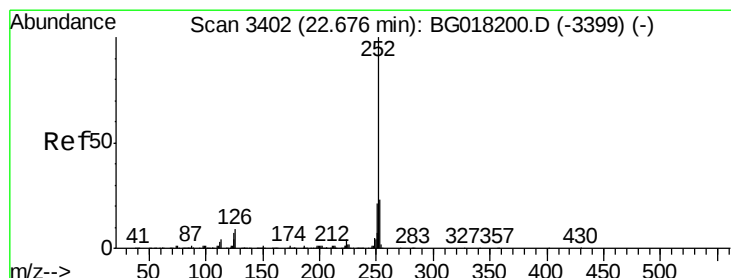
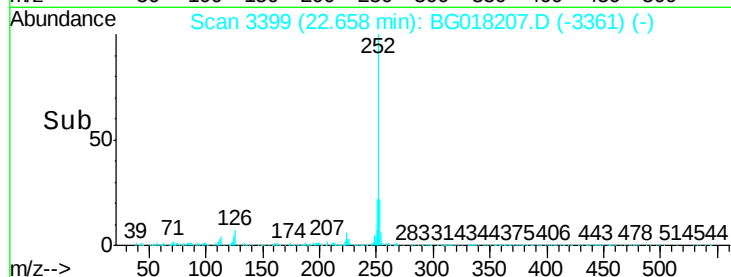
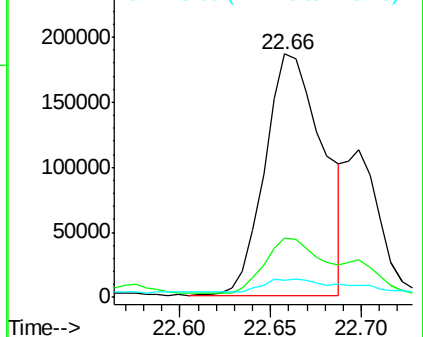
125 7.0 7.4 11.0#



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: 19.97 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. -0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

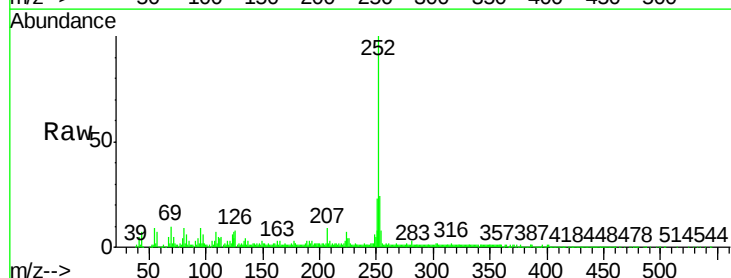
Tgt Ion:252 Resp: 415048

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.2

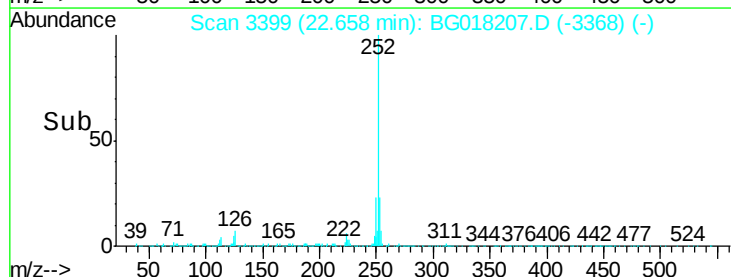
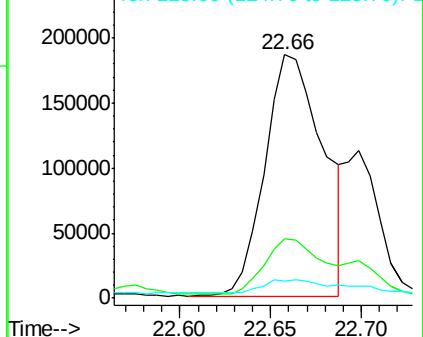
125 7.0 7.5 11.3#

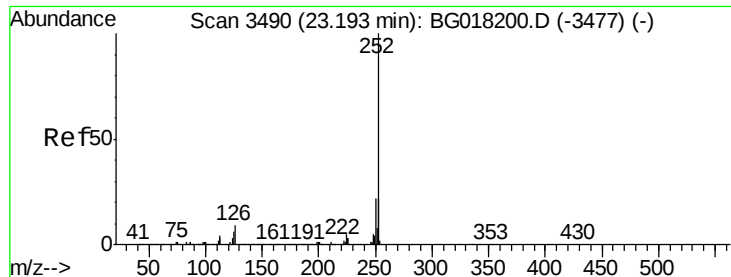


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 14.41 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

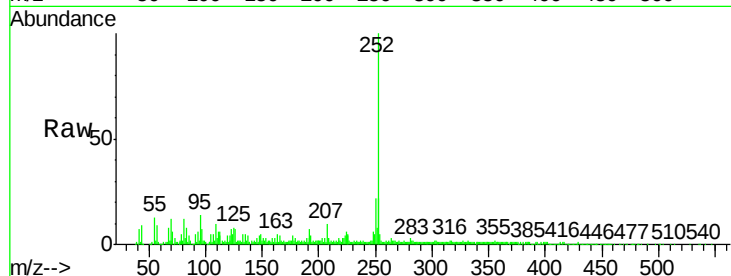
Instrument :

BNA_G

ClientSampleId :

Tot Ion:252 Resp: 291547

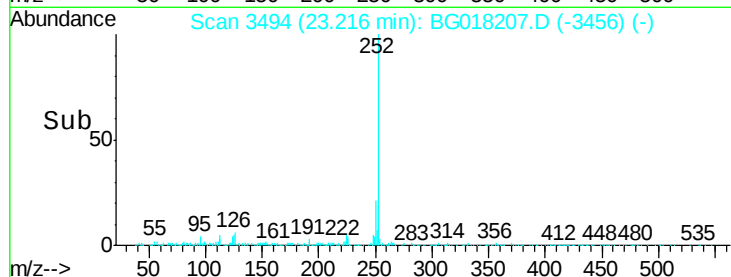
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.8	7.3	10.9



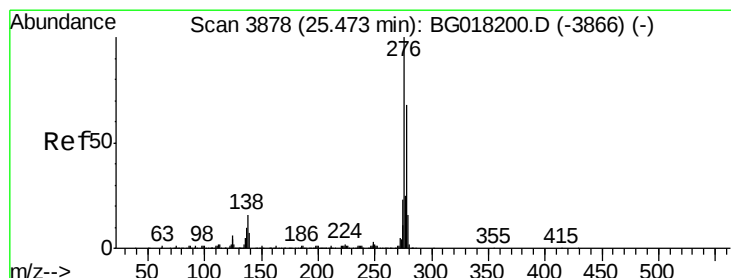
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.17 ng/ul

RT: 25.52 min Scan# 3887

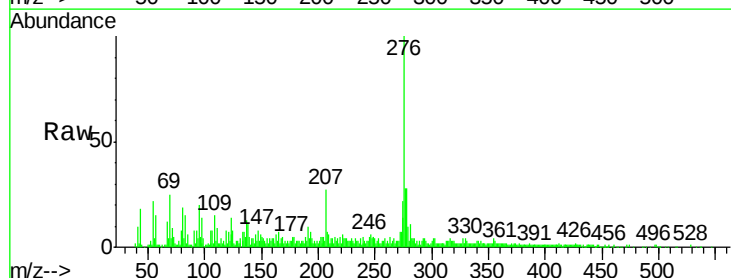
Delta R.T. 0.05 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Tgt Ion:276 Resp: 167908

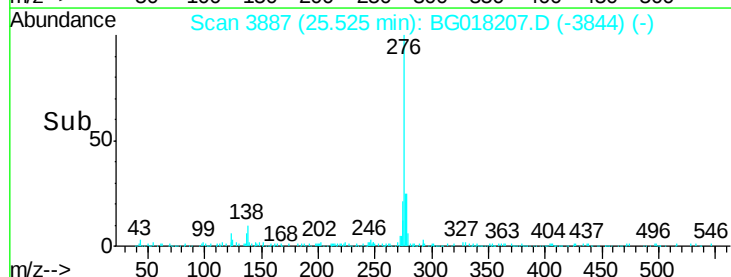
Ion	Ratio	Lower	Upper
276	100		
138	11.0	17.2	25.8#
277	28.0	19.5	29.3



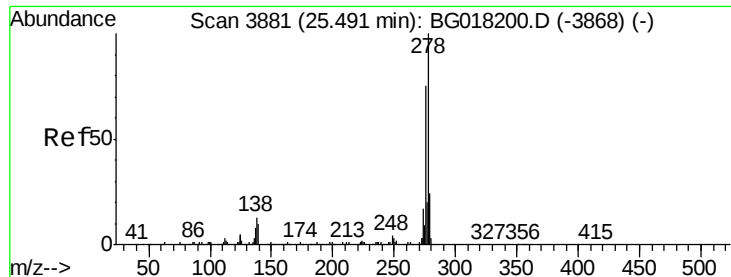
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#93

Dibenzo(a,h)anthracene

Concen: 2.22 ng/ul

RT: 25.53 min Scan# 3888

Delta R.T. 0.04 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

Instrument :

BNA_G

ClientSampleId :

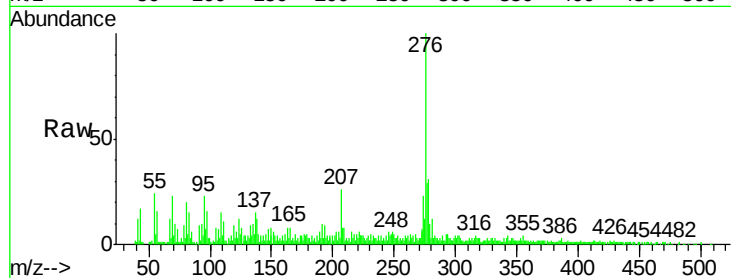
Tot Ion:278 Resp: 44499

Ion Ratio Lower Upper

278 100

139 16.5 12.2 18.2

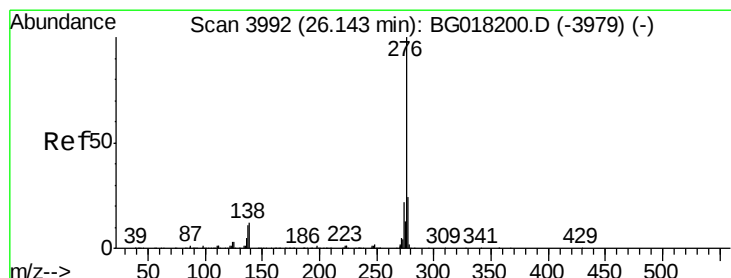
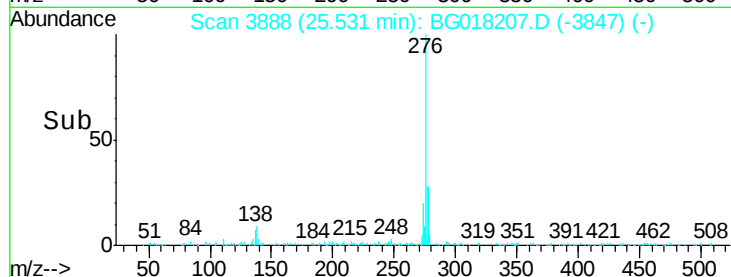
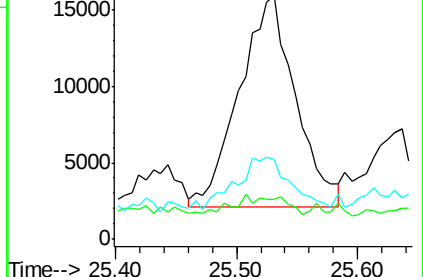
279 32.7 20.0 30.0#



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: 7.50 ng/ul

RT: 26.20 min Scan# 4002

Delta R.T. 0.06 min

Lab File: BG018207.D

Acq: 1 Aug 2015 6:58

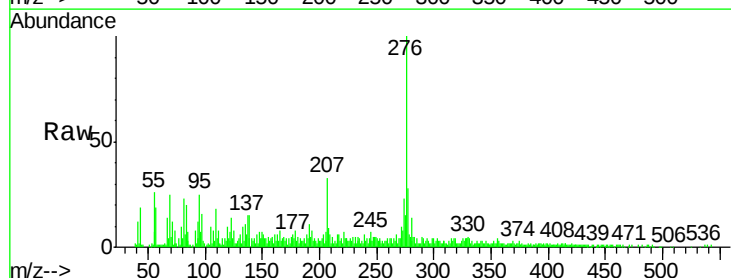
Tgt Ion:276 Resp: 143303

Ion Ratio Lower Upper

276 100

138 14.5 15.1 22.7#

277 28.2 19.8 29.6



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

