

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
 Data File : BG018307.D
 Acq On : 6 Aug 2015 16:30
 Operator : UM/TP
 Sample : G3109-04DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01P5DL

Quant Time: Aug 07 01:35:44 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 07 01:32:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	26605	20.00	ng/ul	0.00
18) Naphthalene-d8	10.21	136	122530	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.11	164	83275	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.88	188	175758	20.00	ng/ul	-0.01
78) Chrysene-d12	21.09	240	87188	20.00	ng/ul	-0.01
86) Perylene-d12	23.26	264	86746	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.90	96	243	0.79	ng/uL	0.00
5) Phenol-d5	6.64	99	13215	6.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.77	67	7214	7.13	ng/ul	0.00
9) 2-Chlorophenol-d4	6.97	132	11335	6.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	8025	4.54	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	6514	6.87	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.30	143	7499	6.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.86	165	12771	6.33	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.36	131	1676	0.69	ng/ul	-0.01
44) Dimethylphthalate-d6	13.53	166	45338	7.04	ng/ul	-0.01
47) Acenaphthylene-d8	13.80	160	51191	7.01	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.39	143	4696	4.42	ng/ul	0.00
58) Fluorene-d10	15.12	176	41253	7.13	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.27	200	4022	3.31	ng/ul	-0.01
71) Anthracene-d10	16.97	188	53348	6.90	ng/ul	-0.01
79) Pyrene-d10	19.29	212	42123	8.63	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	26236	5.81	ng/ul	-0.02

Target Compounds

						Qvalue
45) Dimethylphthalate	13.58	163	17371	2.70	ng/ul	97
50) Acenaphthene	14.18	153	14354	2.95	ng/ul	98
54) Dibenzofuran	14.52	168	10540	1.47	ng/ul	99
59) Fluorene	15.17	166	17844	2.84	ng/ul	96
70) Phenanthrene	16.92	178	444541	50.12	ng/ul	98
72) Anthracene	17.01	178	106617	12.04	ng/ul	99
75) Carbazole	17.29	167	21271	2.85	ng/ul#	92
76) Di-n-butylphthalate	17.86	149	106392	10.16	ng/ul	98
77) Fluoranthene	18.96	202	761396	77.39	ng/ul#	95
80) Pyrene	19.32	202	588712	97.11	ng/ul#	97
81) Butylbenzylphthalate	20.23	149	6750	2.87	ng/ul#	57
83) Benzo(a)anthracene	21.08	228	199898	43.44	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.01	149	25166	8.89	ng/ul	99
85) Chrysene	21.13	228	183137	44.29	ng/ul	98
87) Di-n-octyl phthalate	21.88	149	6704	1.17	ng/ul	100
88) Benzo(b)fluoranthene	22.62	252	268838	50.53	ng/ul	100
89) Benzo(k)fluoranthene	22.62	252	268838	52.70	ng/ul	96
91) Benzo(a)pyrene	23.17	252	165922	35.72	ng/ul#	98
92) Indeno(1,2,3-cd)pyrene	25.46	276	111427	19.39	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.46	278	32538	6.45	ng/ul#	92
94) Benzo(g,h,i)perylene	26.12	276	99984	21.44	ng/ul#	93

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Quant Time: Aug 07 01:35:44 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 07 01:32:43 2015
Response via : Initial Calibration

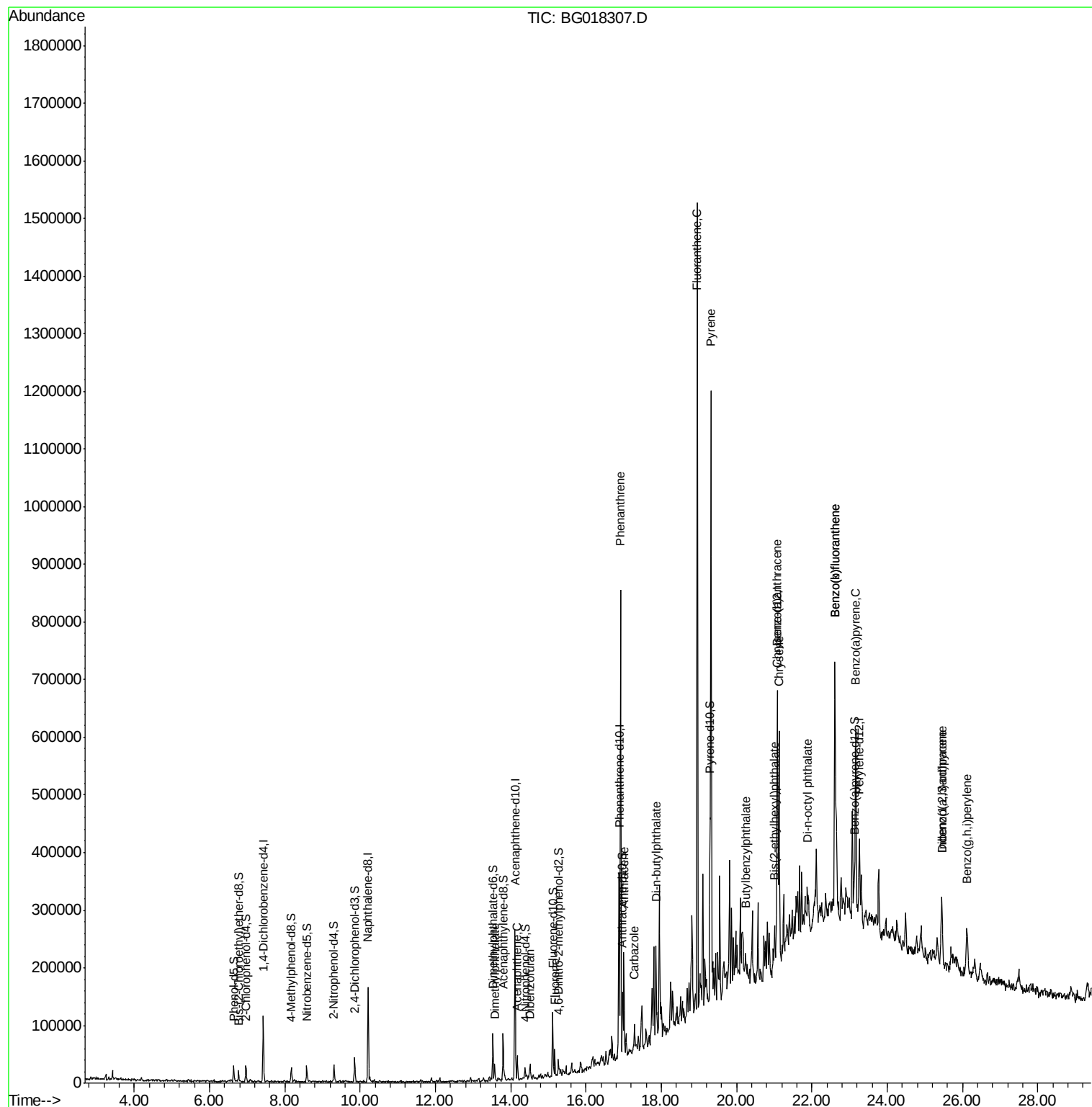
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

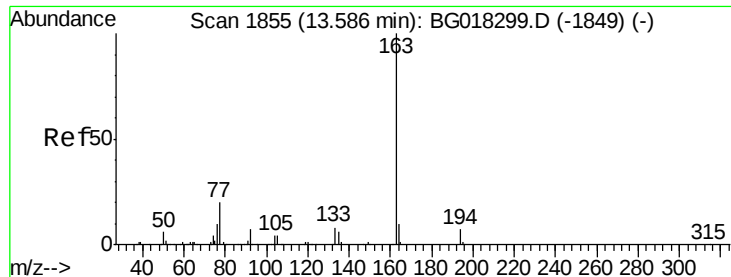
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#45

Dimethylphthalate

Concen: 2.70 ng/ul

RT: 13.58 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Instrument :

BNA_G

ClientSampleId :

C01P5DL

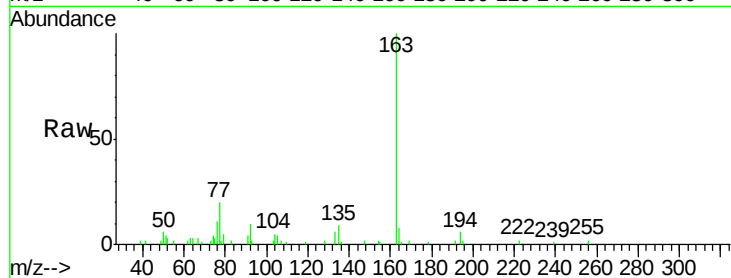
Tgt Ion:163 Resp: 17371

Ion Ratio Lower Upper

163 100

194 6.2 5.4 8.2

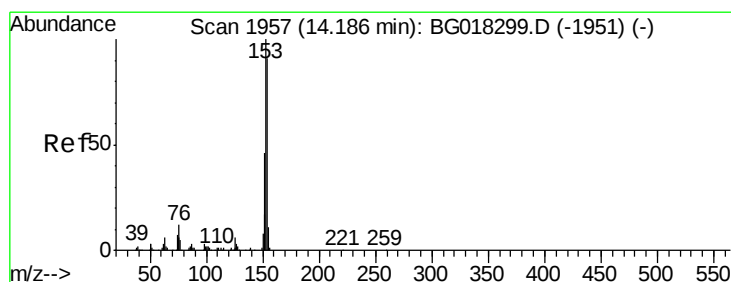
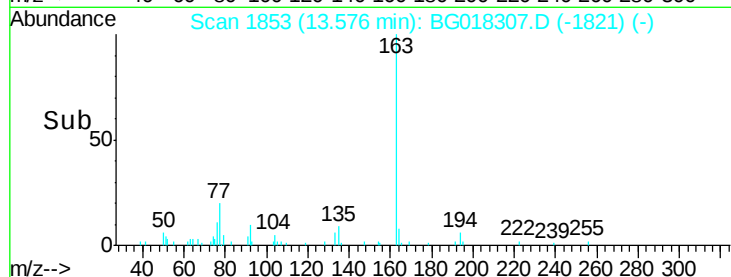
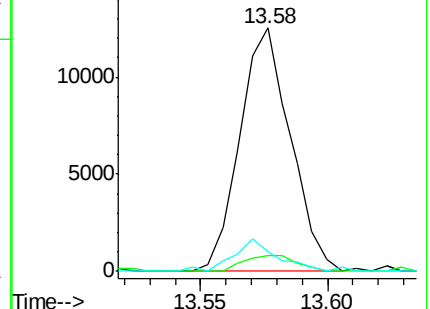
164 8.2 7.8 11.8



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



#50

Acenaphthene

Concen: 2.95 ng/ul

RT: 14.18 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

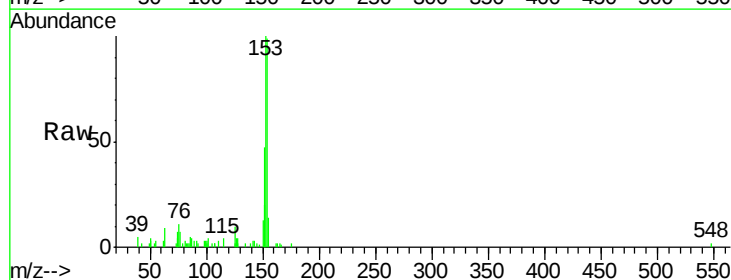
Tgt Ion:153 Resp: 14354

Ion Ratio Lower Upper

153 100

152 47.4 39.0 58.4

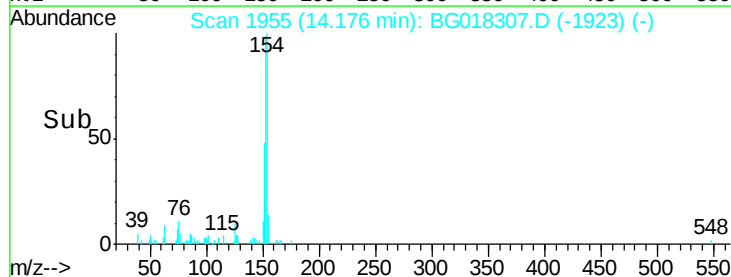
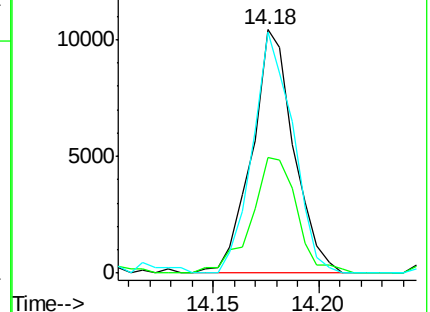
154 99.1 77.4 116.2

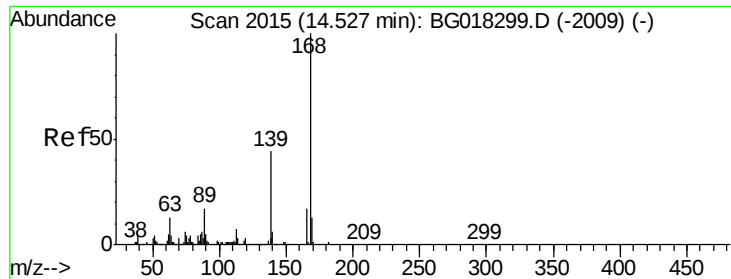


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.47 ng/ul

RT: 14.52 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Instrument :

BNA_G

ClientSampleId :

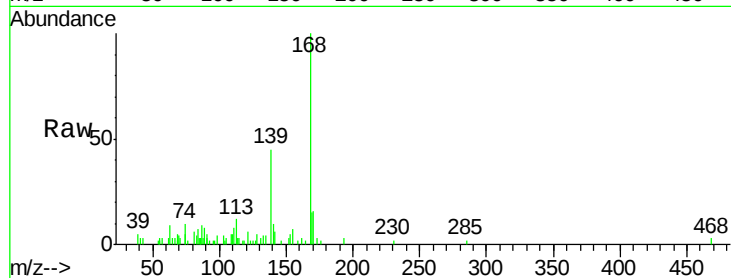
C01P5DL

Tgt Ion:168 Resp: 10540

Ion Ratio Lower Upper

168 100

139 45.5 37.1 55.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

8000

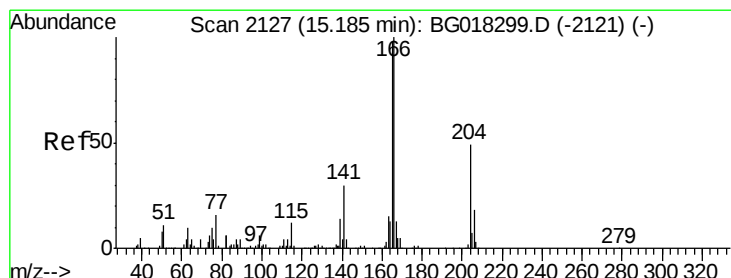
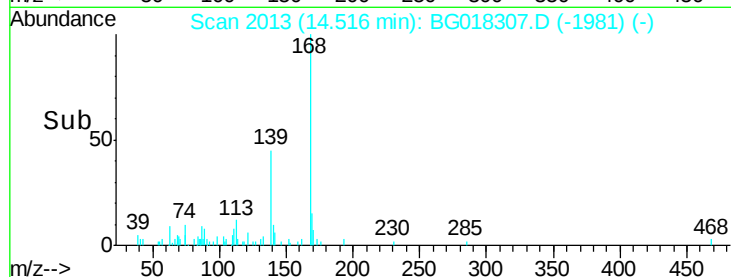
6000

4000

2000

0

Time--> 14.45 14.50 14.55



#59

Fluorene

Concen: 2.84 ng/ul

RT: 15.17 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

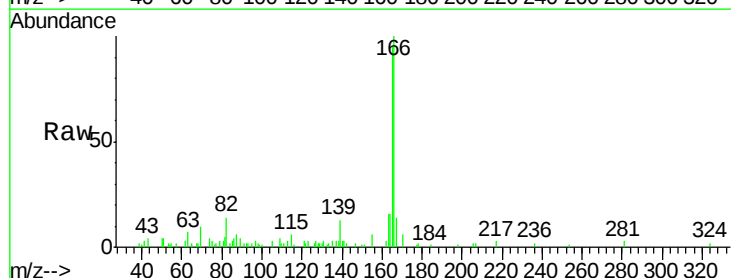
Tgt Ion:166 Resp: 17844

Ion Ratio Lower Upper

166 100

165 94.8 72.4 108.6

167 13.5 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

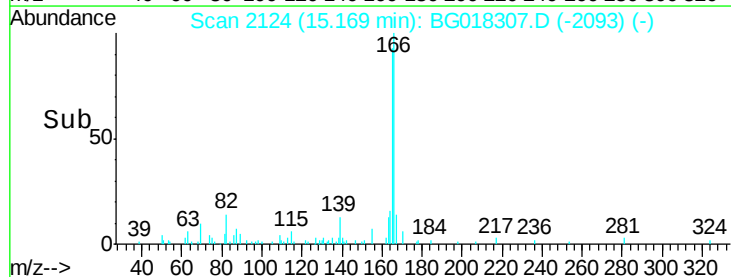
15000

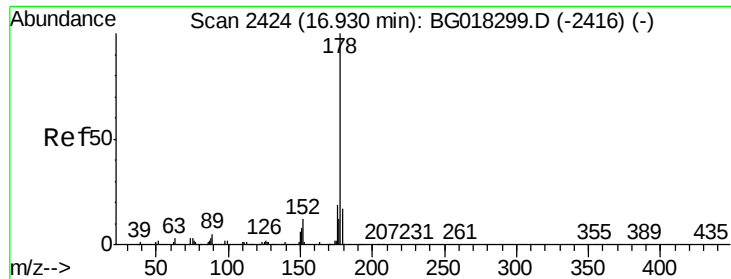
10000

5000

0

Time--> 15.15 15.20





#70

Phenanthrene

Concen: 50.12 ng/ul

RT: 16.92 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Instrument :

BNA_G

ClientSampleId :

C01P5DL

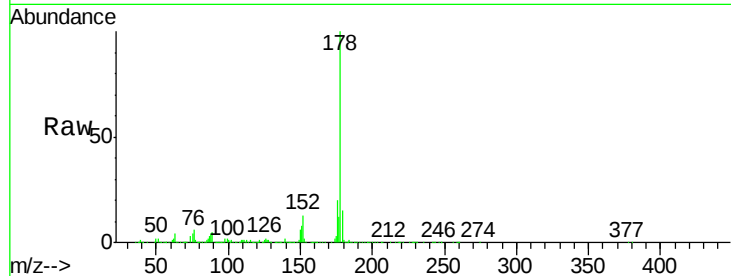
Tgt Ion:178 Resp: 444541

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.4

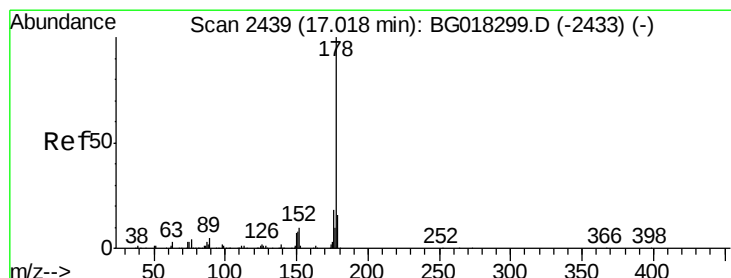
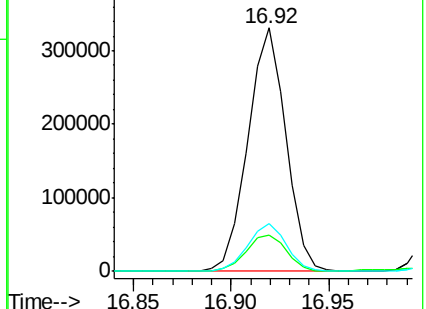
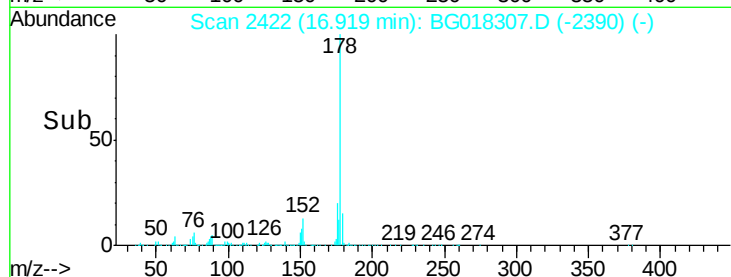
176 19.8 14.5 21.7



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: 12.04 ng/ul

RT: 17.01 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

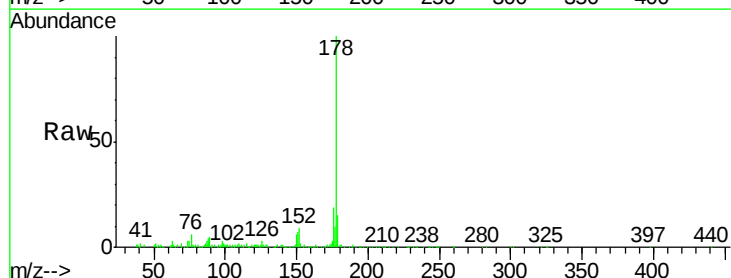
Tgt Ion:178 Resp: 106617

Ion Ratio Lower Upper

178 100

179 15.1 12.2 18.4

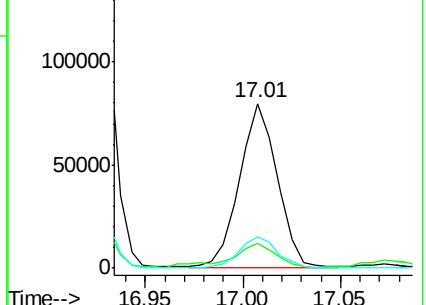
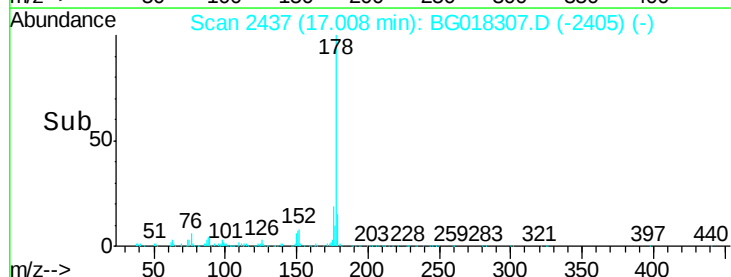
176 18.6 15.3 22.9

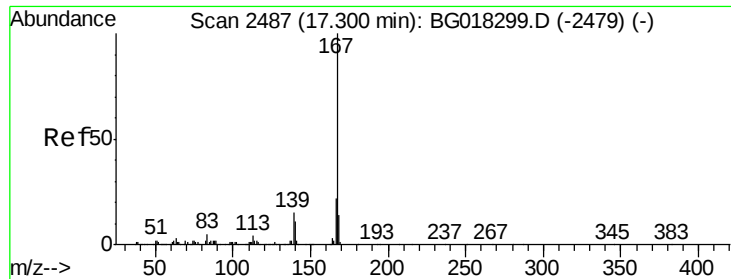


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.85 ng/ul

RT: 17.29 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

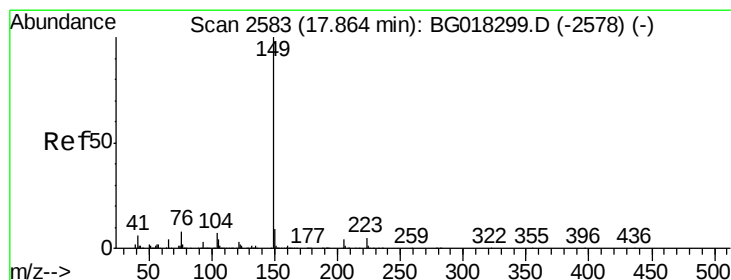
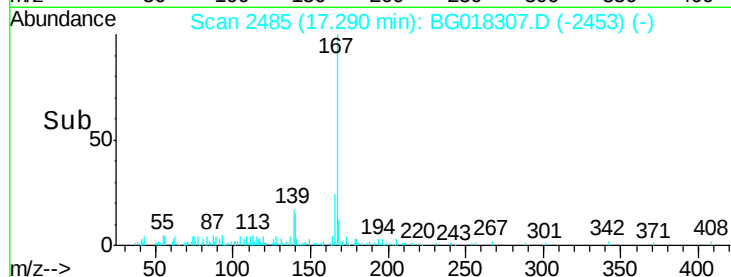
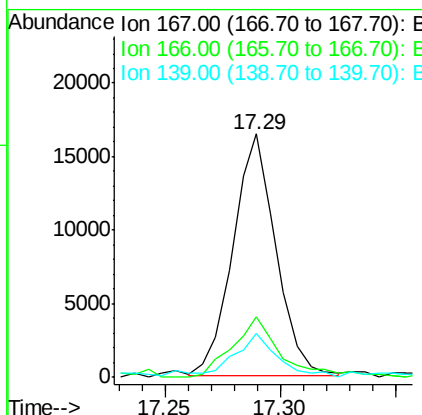
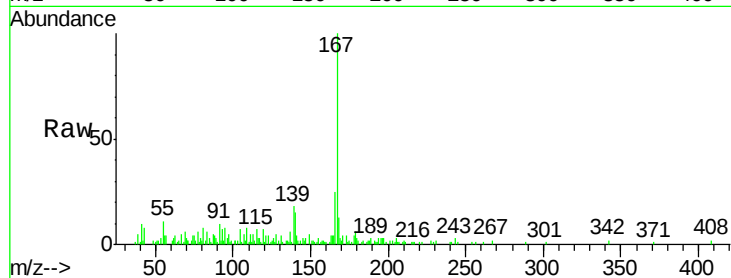
Instrument :

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Tgt Ion:	167	Resp:	21271
Ion	Ratio	Lower	Upper
167	100		
166	24.9	17.8	26.8
139	18.0	10.6	16.0#



#76

Di-n-butylphthalate

Concen: 10.16 ng/ul

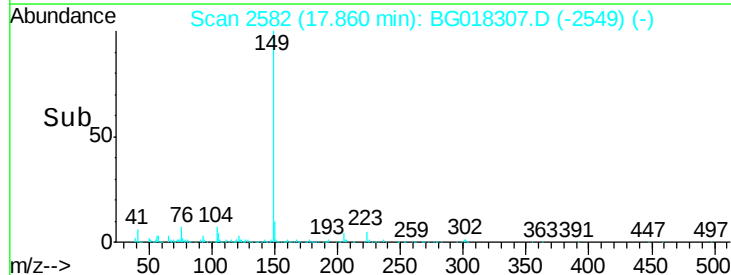
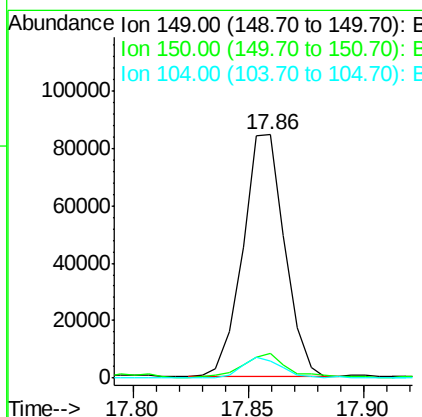
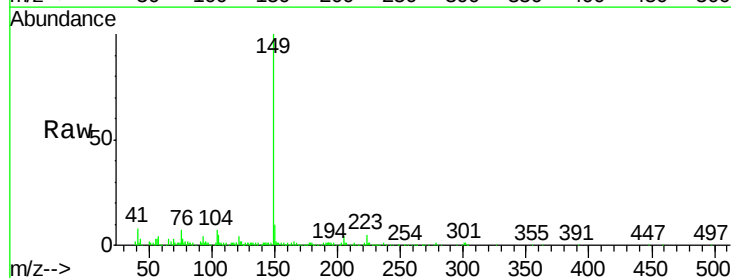
RT: 17.86 min Scan# 2582

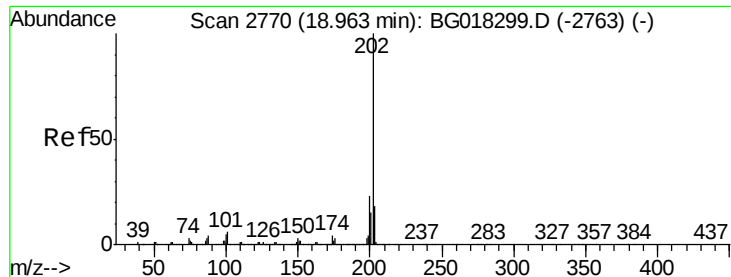
Delta R.T. -0.00 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Tgt Ion:	149	Resp:	106392
Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.4	11.2
104	7.2	5.5	8.3





#77

Fluoranthene

Concen: 77.39 ng/ul

RT: 18.96 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

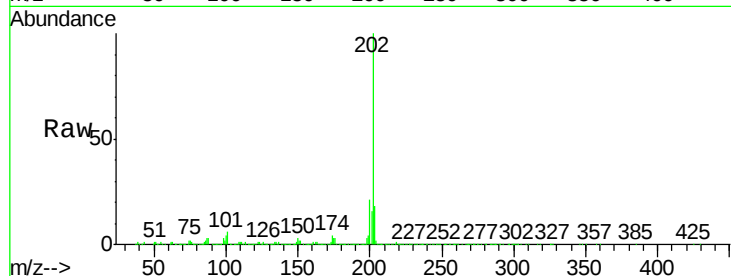
Instrument :

BNA_G

ClientSampleId :

C01P5DL

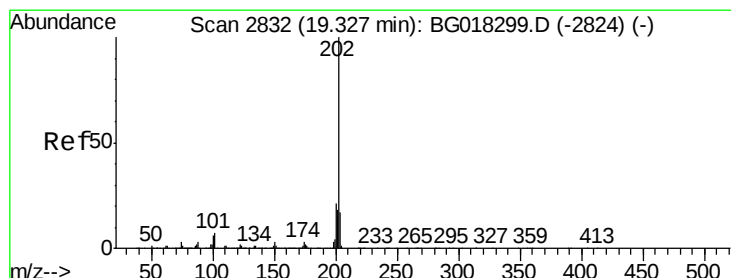
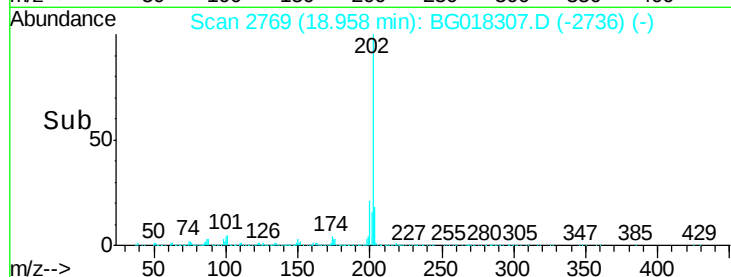
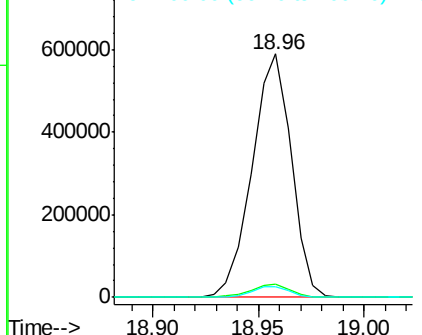
Tgt Ion:	202	Resp:	761396
Ion Ratio	Lower	Upper	
202	100		
101	5.5	6.2	9.2#
100	4.2	4.6	6.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 97.11 ng/ul

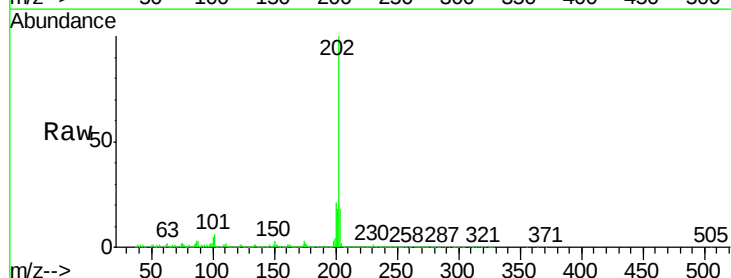
RT: 19.32 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

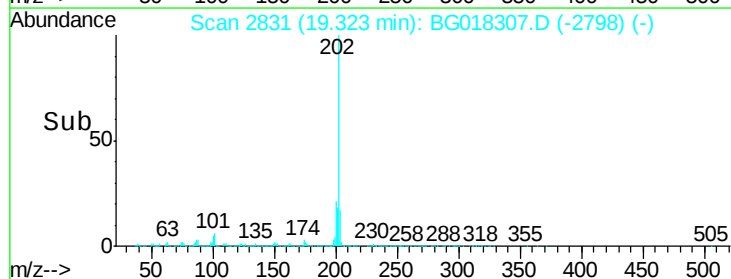
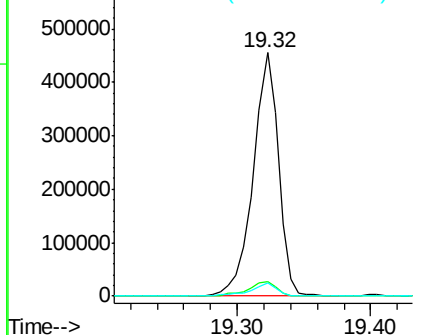
Tgt Ion:	202	Resp:	588712
Ion Ratio	Lower	Upper	
202	100		
101	6.1	6.2	9.2#
100	5.4	4.6	7.0

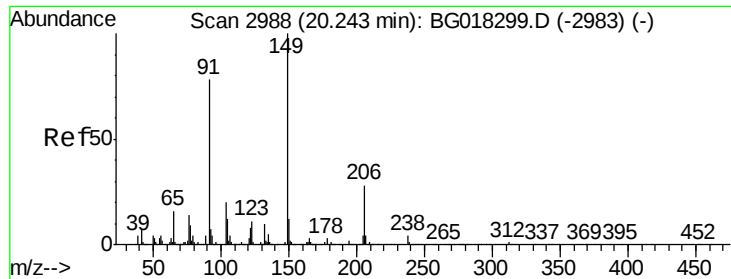


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#81

Butylbenzylphthalate

Concen: 2.87 ng/ul

RT: 20.23 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Instrument :

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ClientSampleId :

C01P5DL

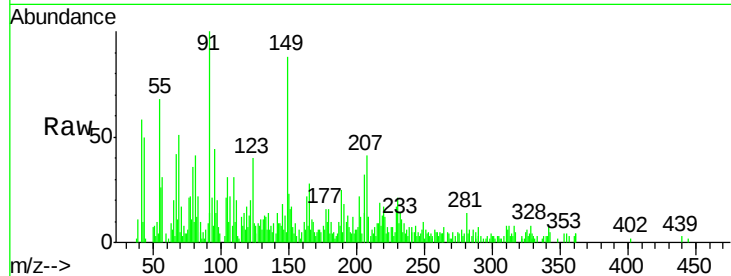
Tgt Ion:149 Resp: 6750

Ion Ratio Lower Upper

149 100

91 114.2 58.2 87.2#

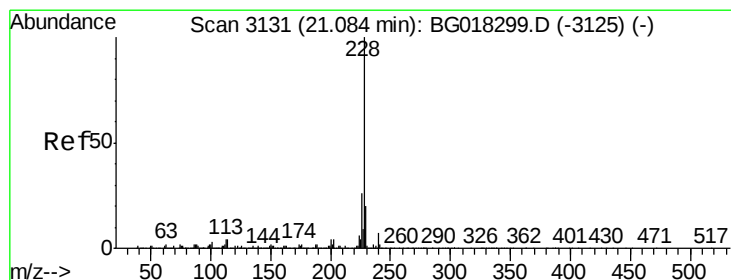
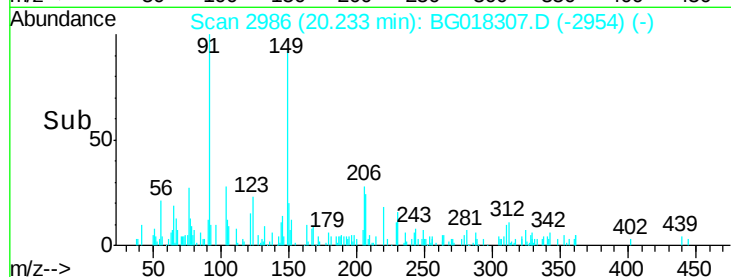
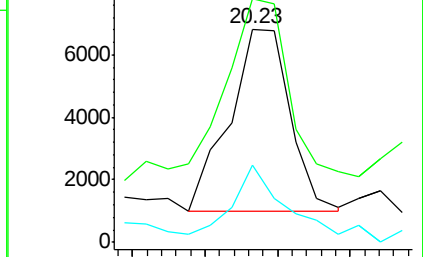
206 36.3 19.9 29.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#83

Benzo(a)anthracene

Concen: 43.44 ng/ul

RT: 21.08 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

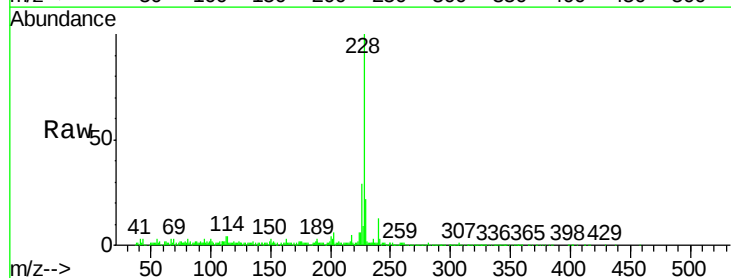
Tgt Ion:228 Resp: 199898

Ion Ratio Lower Upper

228 100

229 21.6 16.3 24.5

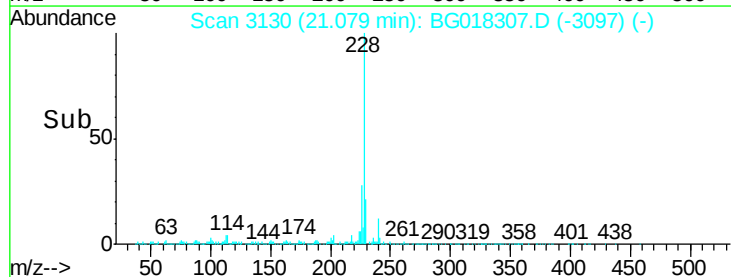
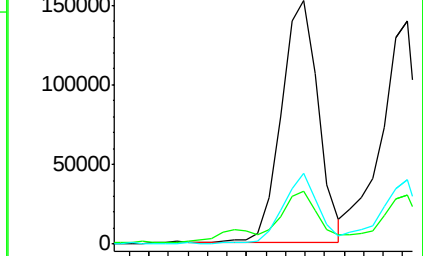
226 28.9 21.2 31.8

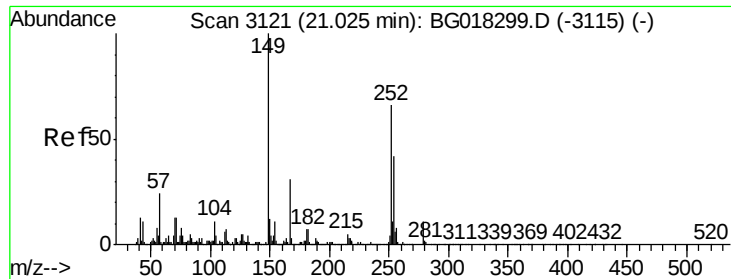


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

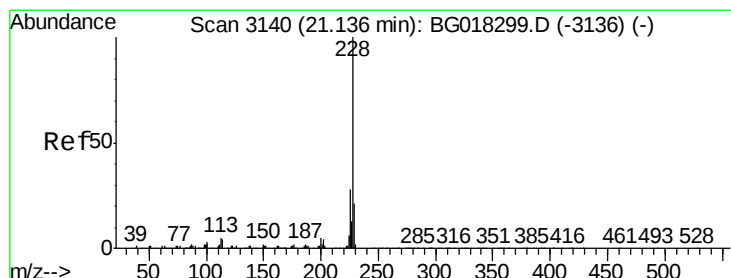
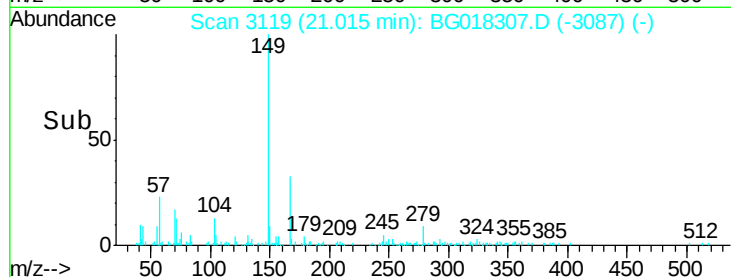
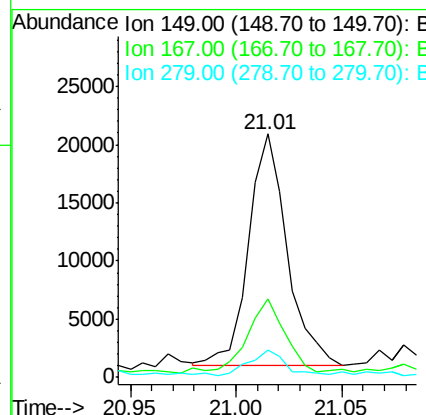
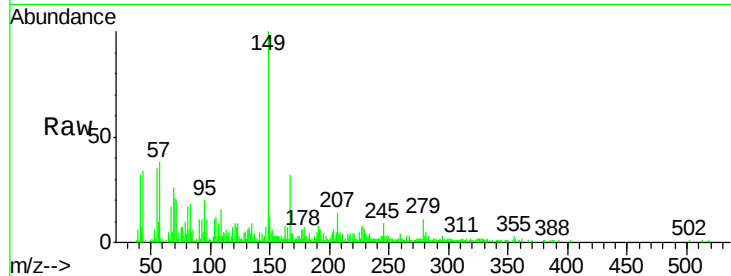




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.89 ng/ul
 RT: 21.01 min Scan# 3119
 Delta R.T. -0.01 min
 Lab File: BG018307.D
 Acq: 6 Aug 2015 16:30

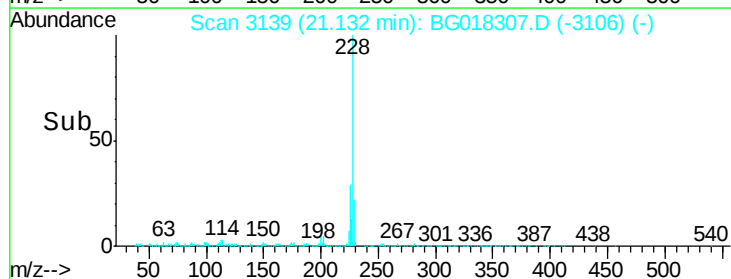
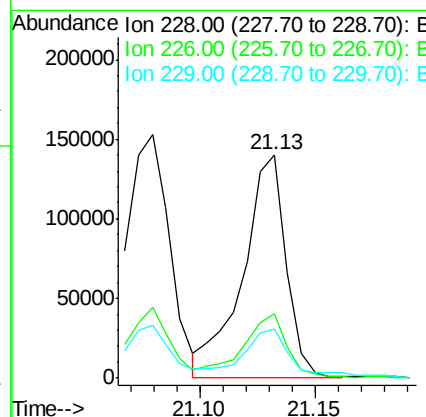
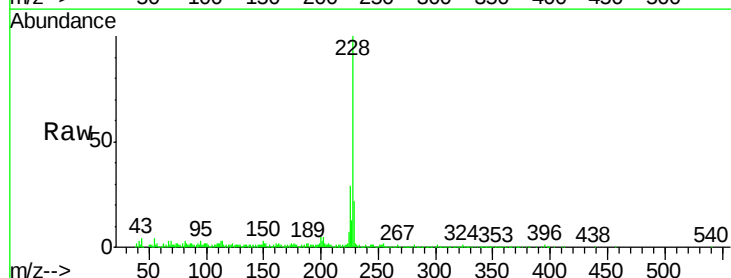
Instrument :
 BNA_G
 ClientSampled :
 C01P5DL

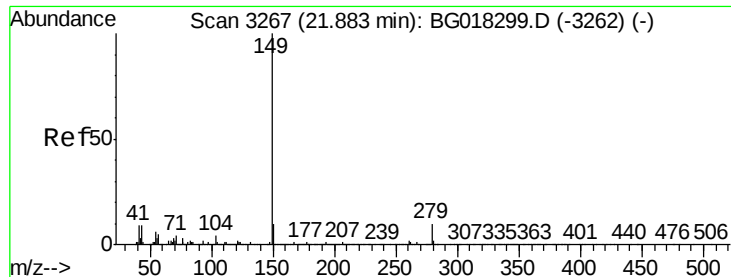
Tgt Ion:149 Resp: 25166
 Ion Ratio Lower Upper
 149 100
 167 32.3 26.4 39.6
 279 11.2 8.6 12.8



#85
 Chrysene
 Concen: 44.29 ng/ul
 RT: 21.13 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BG018307.D
 Acq: 6 Aug 2015 16:30

Tgt Ion:228 Resp: 183137
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.0 34.6
 229 22.2 15.9 23.9





#87

Di-n-octyl phthalate

Concen: 1.17 ng/ul

RT: 21.88 min Scan# 3266

Delta R.T. -0.00 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

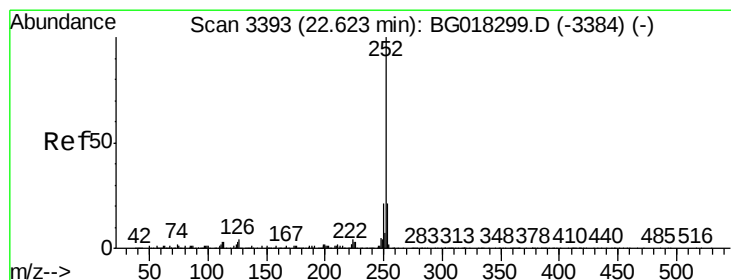
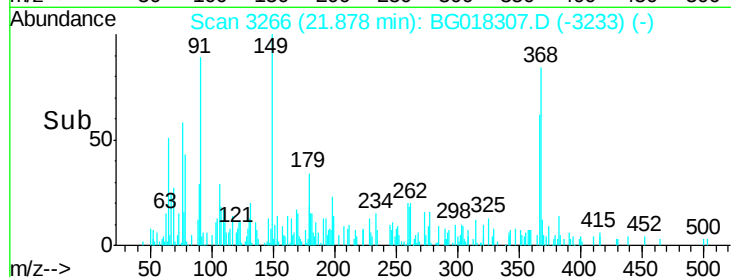
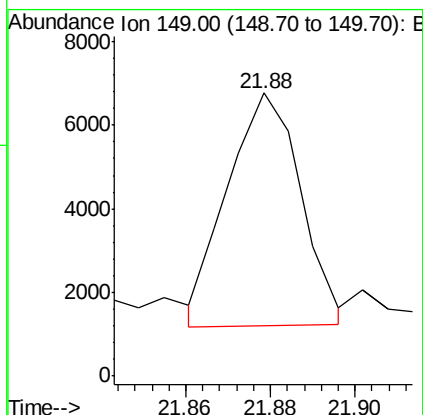
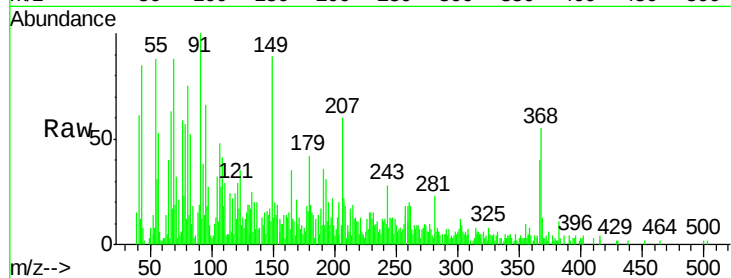
Instrument :

BNA_G

ClientSampleId :

C01P5DL

Tgt Ion:149 Resp: 6704



#88

Benzo(b)fluoranthene

Concen: 50.53 ng/ul

RT: 22.62 min Scan# 3392

Delta R.T. -0.00 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

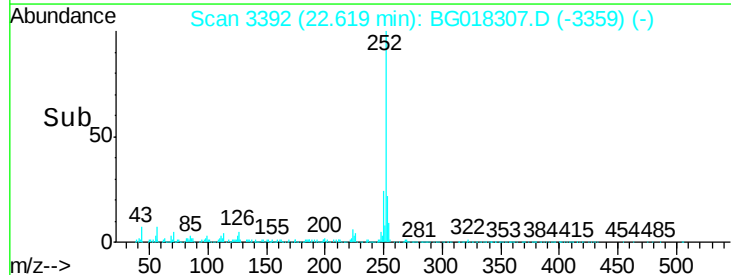
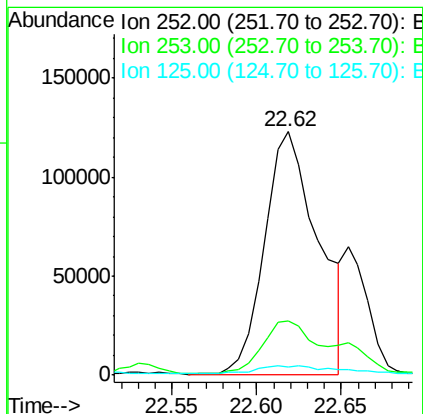
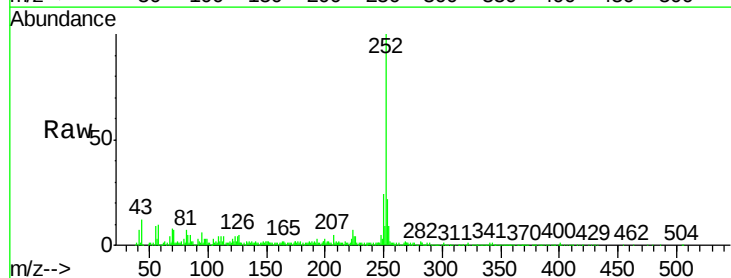
Tgt Ion:252 Resp: 268838

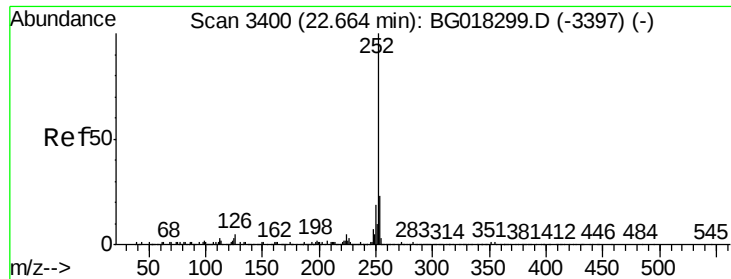
Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 3.5 3.1 4.7





#89

Benzo(k)fluoranthene

Concen: 52.70 ng/ul

RT: 22.62 min Scan# 3392

Delta R.T. -0.05 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Instrument :

BNA_G

ClientSampleId :

C01P5DL

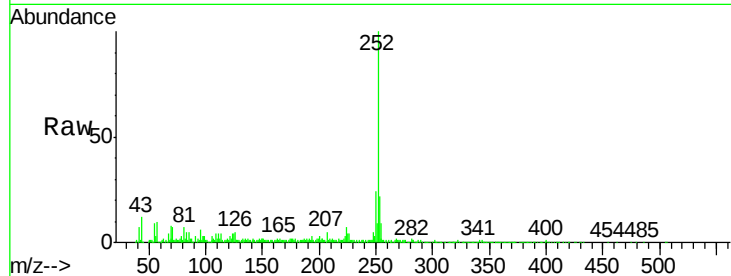
Tgt Ion:252 Resp: 268838

Ion Ratio Lower Upper

252 100

253 22.5 16.4 24.6

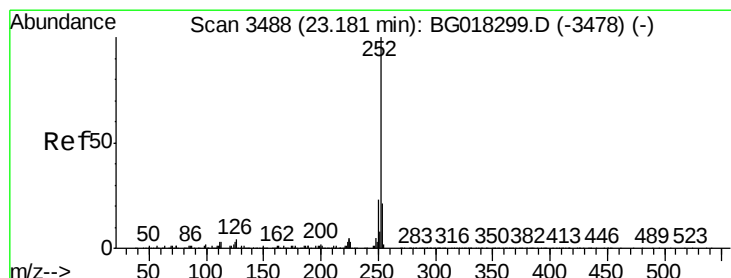
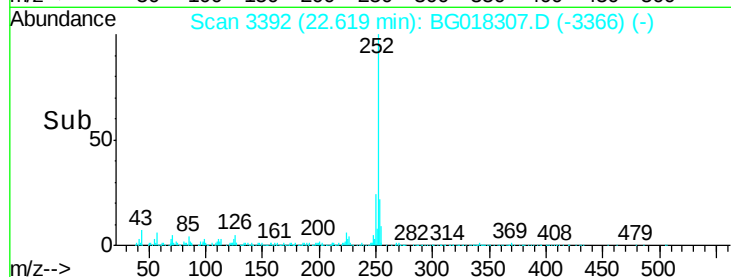
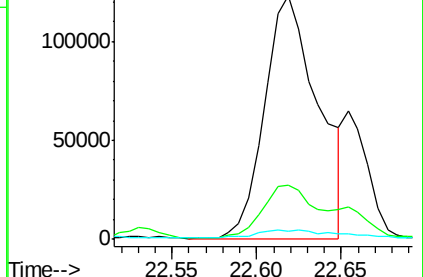
125 3.5 3.4 5.2



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



#91

Benzo(a)pyrene

Concen: 35.72 ng/ul

RT: 23.17 min Scan# 3486

Delta R.T. -0.01 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

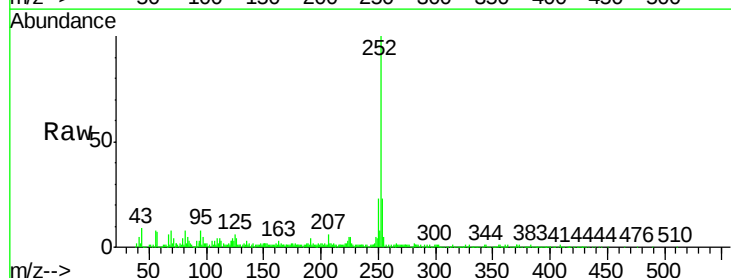
Tgt Ion:252 Resp: 165922

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

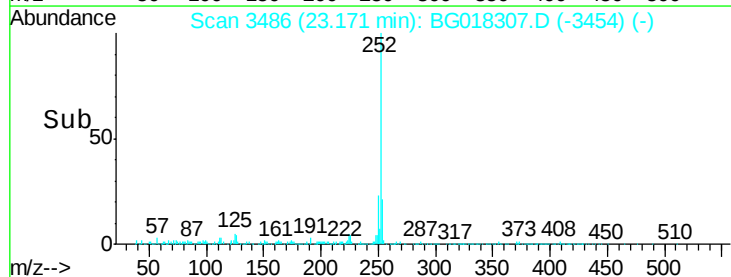
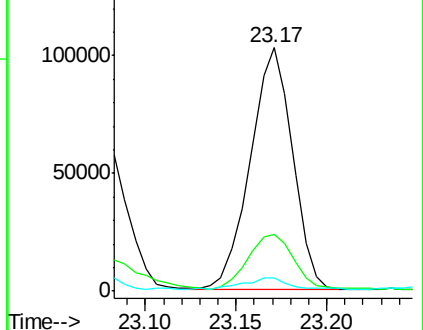
125 5.6 3.2 4.8#

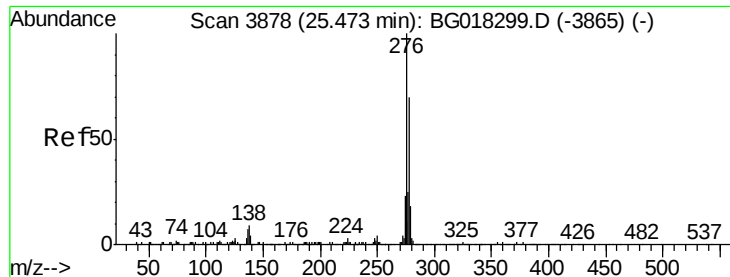


Abundance Ion 252.00 (251.70 to 252.70): E

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: 19.39 ng/ul

RT: 25.46 min Scan# 3875

Delta R.T. -0.02 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

Instrument :

BNA_G

ClientSampleId :

C01P5DL

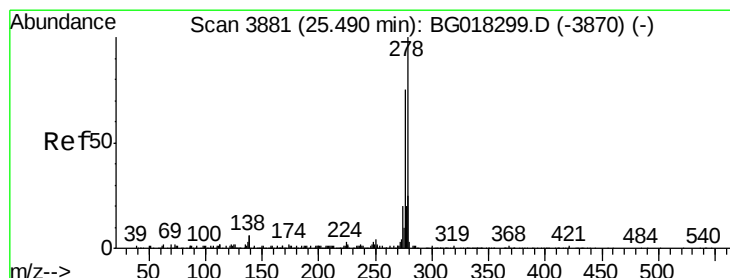
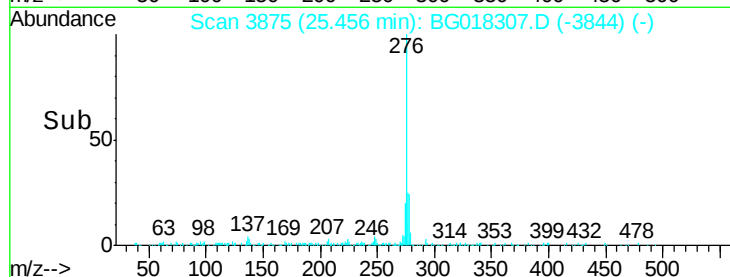
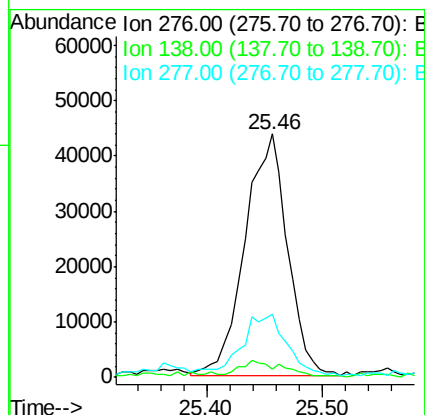
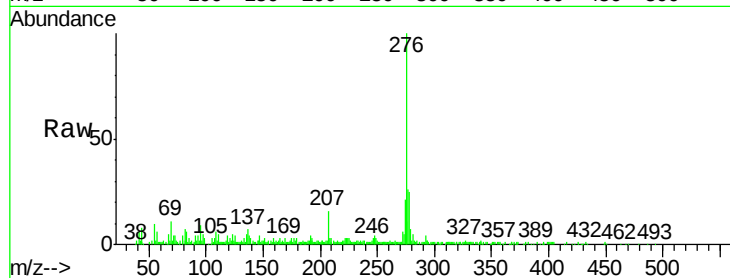
Tgt Ion:276 Resp: 111427

Ion Ratio Lower Upper

276 100

138 3.6 8.2 12.4#

277 25.9 20.1 30.1



#93

Dibenzo(a,h)anthracene

Concen: 6.45 ng/ul

RT: 25.46 min Scan# 3875

Delta R.T. -0.03 min

Lab File: BG018307.D

Acq: 6 Aug 2015 16:30

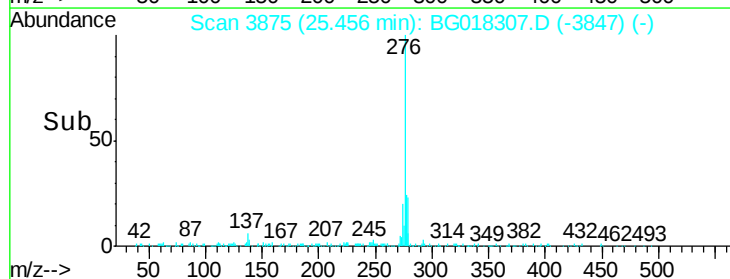
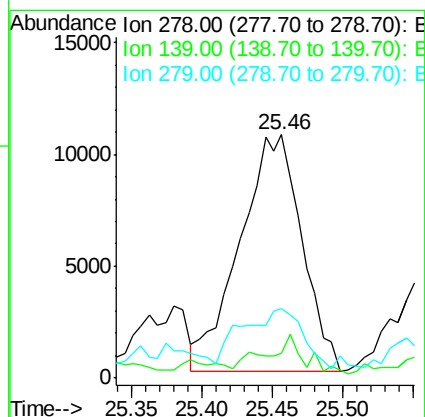
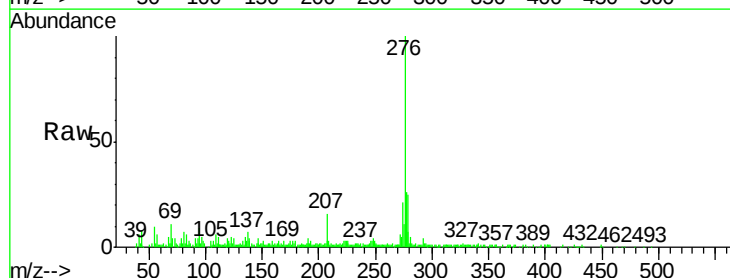
Tgt Ion:278 Resp: 32538

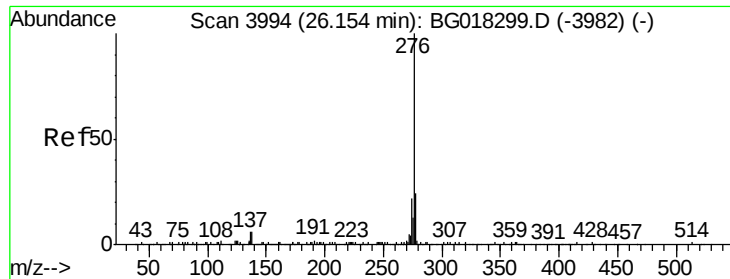
Ion Ratio Lower Upper

278 100

139 10.1 5.8 8.8#

279 28.5 19.8 29.6





#94

Benzo(g,h,i)perylene

Concen: 21.44 ng/ul

RT: 26.12 min Scan# 3988

Delta R.T. -0.03 min

Lab File: BG018307.D

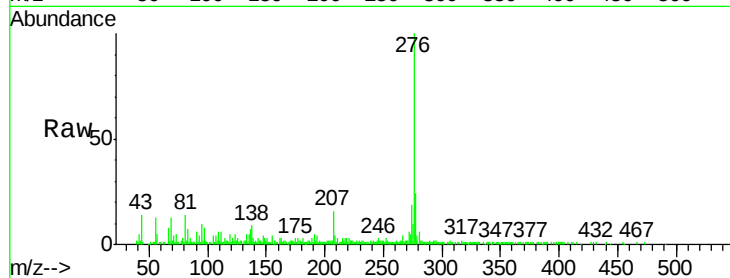
Acq: 6 Aug 2015 16:30

Instrument :

BNA_G

ClientSampleId :

C01P5DL



Tgt Ion:	276	Resp:	99984
Ion	Ratio	Lower	Upper
276	100		
138	11.9	6.0	9.0#
277	23.5	21.1	31.7

