

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018204.D
 Acq On : 1 Aug 2015 5:13
 Operator : TP/UM
 Sample : G3065-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 01 07:12:03 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	59965	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	265284	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.15	164	145649	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.91	188	276818	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	359926	20.00	ng/ul	0.01
86) Perylene-d12	23.32	264	398728	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1709	2.15	ng/uL	0.00
5) Phenol-d5	6.67	99	59352	11.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	31015	11.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	48962	12.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	31246	7.12	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	28904	13.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	31206	13.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	51592	12.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.40	131	12648	2.39	ng/ul	0.00
44) Dimethylphthalate-d6	13.57	166	151582	13.47	ng/ul	0.00
47) Acenaphthylene-d8	13.84	160	175117	13.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	9203	4.42	ng/ul	0.00
58) Fluorene-d10	15.16	176	124878	12.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	1040	0.54	ng/ul	0.00
71) Anthracene-d10	16.91	188	276818	23.00	ng/ul	-0.09
79) Pyrene-d10	19.33	212	178056	10.23	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.18	264	237044	11.76	ng/ul	0.04

Target Compounds

					Ovalue
4) Benzaldehyde	6.63	77	5202	1.78	ng/ul# 1
14) Acetophenone	8.28	105	23607	3.45	ng/ul# 41
17) Hexachloroethane	8.58	117	10232	5.59	ng/ul# 5
28) Naphthalene	10.31	128	56200	4.40	ng/ul 98
34) 2-Methylnaphthalene	11.94	142	53960	5.34	ng/ul 92
35) 1-Methylnaphthalene	12.17	142	30300	3.12	ng/ul# 98
45) Dimethylphthalate	13.62	163	25727	2.30	ng/ul 96
50) Acenaphthene	14.22	153	16096	1.91	ng/ul 93
54) Dibenzofuran	14.56	168	15861	1.25	ng/ul# 67
59) Fluorene	15.21	166	21756	1.98	ng/ul# 95
70) Phenanthrene	16.96	178	173294	12.32	ng/ul 98
72) Anthracene	17.04	178	54501	3.90	ng/ul 95
75) Carbazole	17.32	167	17383	1.50	ng/ul# 79
76) Di-n-butylphthalate	17.90	149	32217	2.08	ng/ul# 86
77) Fluoranthene	18.99	202	345843	22.39	ng/ul 97
80) Pyrene	19.36	202	343996	15.76	ng/ul# 92
81) Butylbenzylphthalate	20.28	149	59730	6.74	ng/ul# 76
83) Benzo(a)anthracene	21.12	228	194124	10.02	ng/ul# 94
84) Bis(2-ethylhexyl)phthalate	21.06	149	529416	44.25	ng/ul# 98
85) Chrysene	21.16	228	212646	11.98	ng/ul# 92
87) Di-n-octyl phthalate	21.94	149	163836	7.78	ng/ul 100
88) Benzo(b)fluoranthene	22.67	252	354037	14.78	ng/ul# 85
89) Benzo(k)fluoranthene	22.67	252	354037	16.08	ng/ul# 84

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration

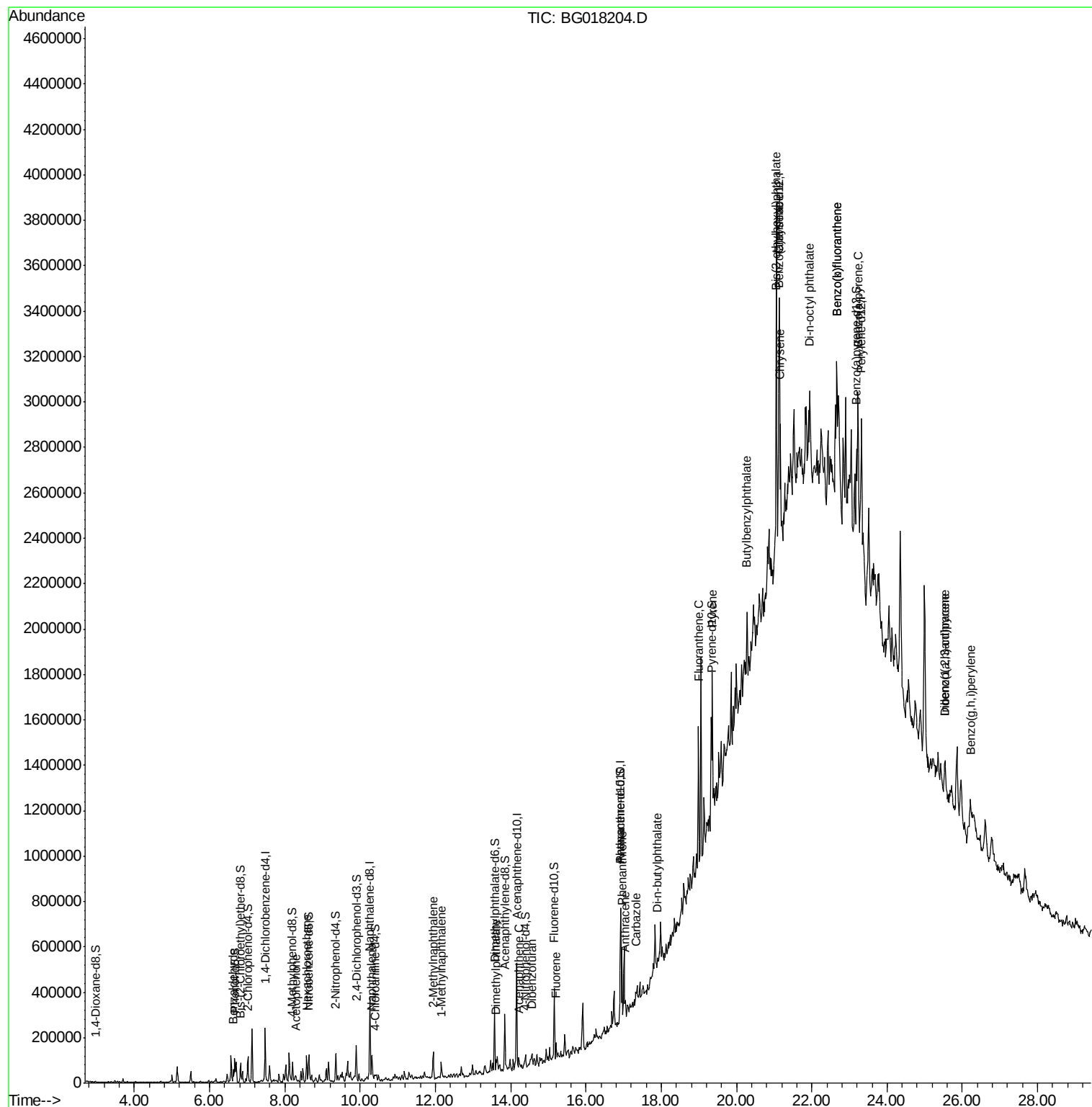
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.22	252	223374	10.42	ng/ul#	85
92) Indeno(1,2,3-cd)pyrene	25.53	276	158722	6.40	ng/ul#	90
93) Dibenzo(a,h)anthracene	25.54	278	42620	2.01	ng/ul#	59
94) Benzo(g,h,i)perylene	26.21	276	153498	7.58	ng/ul#	89

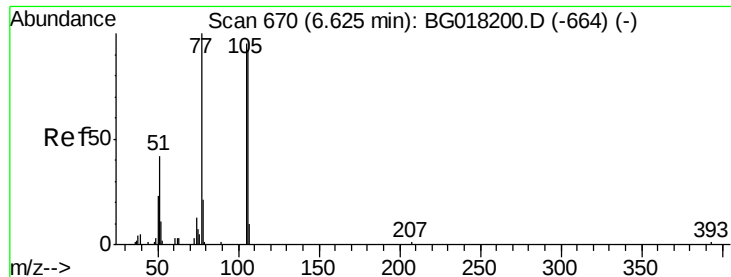
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_G
ClientSampled :

Quant Time: Aug 01 07:12:03 2015
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#4

Benzaldehyde

Concen: 1.78 ng/ul

RT: 6.63 min Scan# 671

Delta R.T. 0.01 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampled :

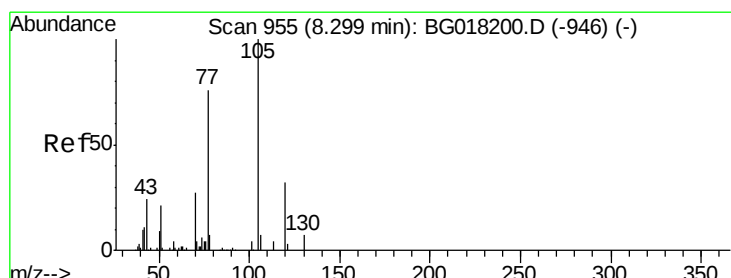
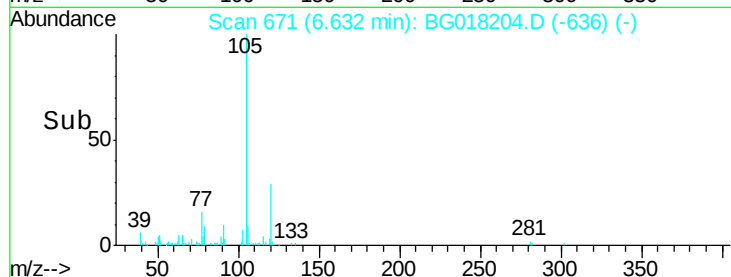
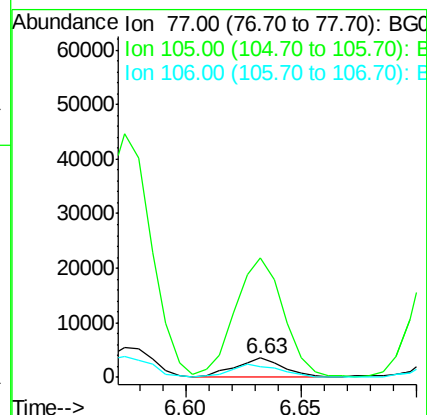
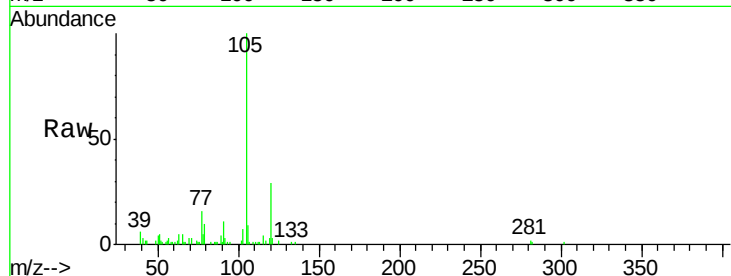
Tot Ion: 77 Resp: 5202

Ion Ratio Lower Upper

77 100

105 607.2 89.8 134.6#

106 56.1 94.2 141.4#



#14

Acetophenone

Concen: 3.45 ng/ul

RT: 8.28 min Scan# 952

Delta R.T. -0.02 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

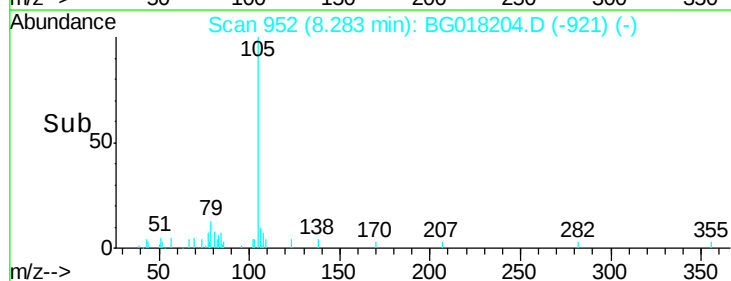
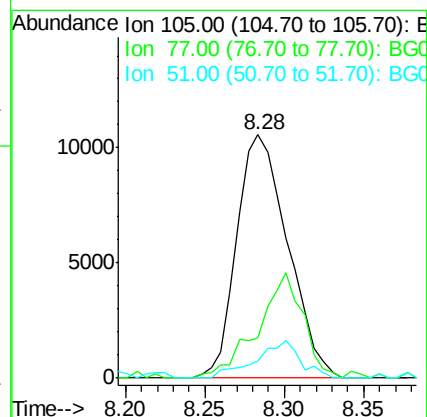
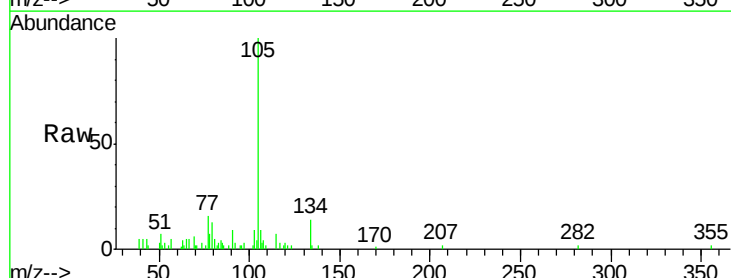
Tgt Ion: 105 Resp: 23607

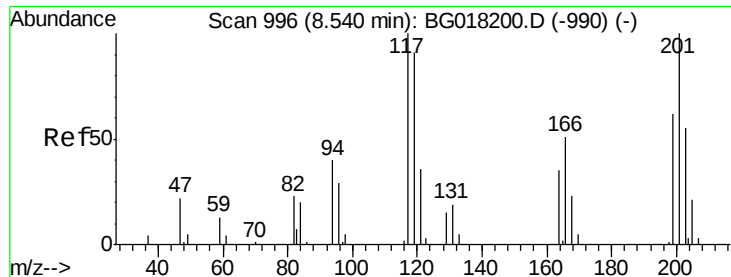
Ion Ratio Lower Upper

105 100

77 16.4 58.4 87.6#

51 7.0 16.5 24.7#

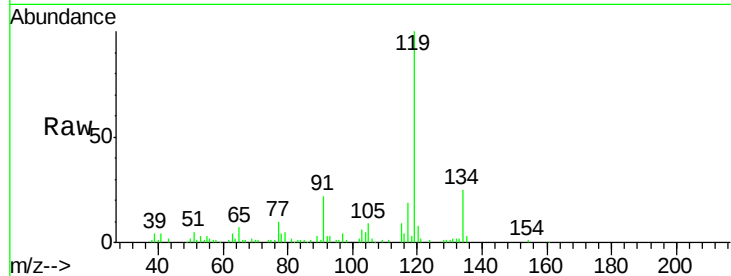




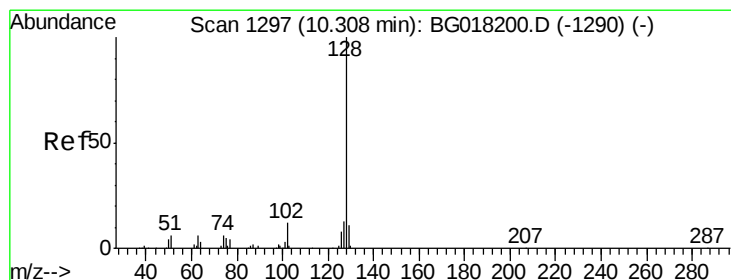
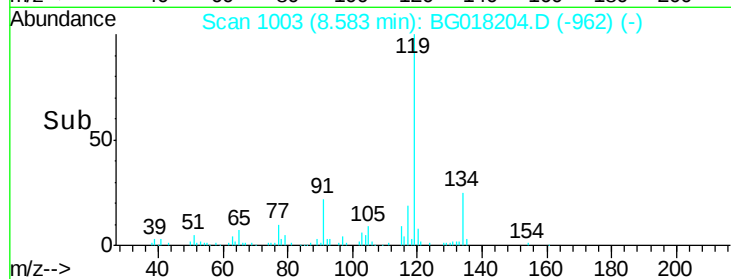
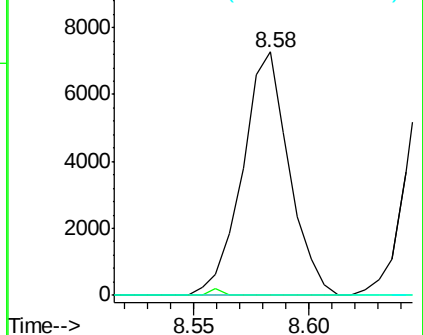
#17
Hexachloroethane
Concen: 5.59 ng/ul
RT: 8.58 min Scan# 1003
Delta R.T. 0.04 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:117 Resp: 10232
Ion Ratio Lower Upper
117 100
201 0.0 85.0 127.4#
199 0.0 52.2 78.4#

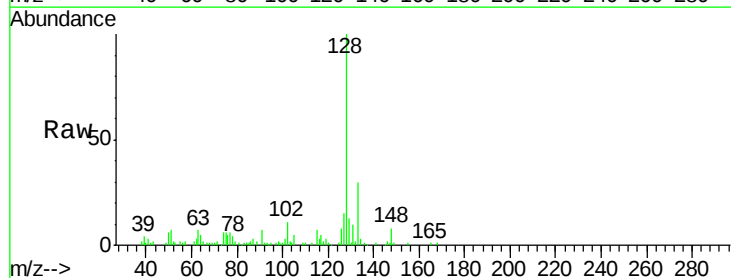


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

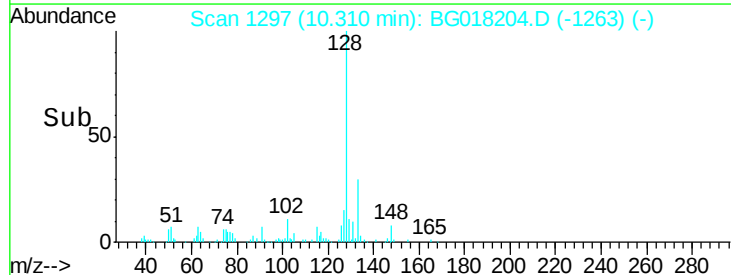
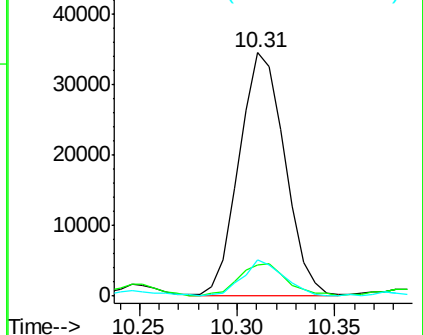


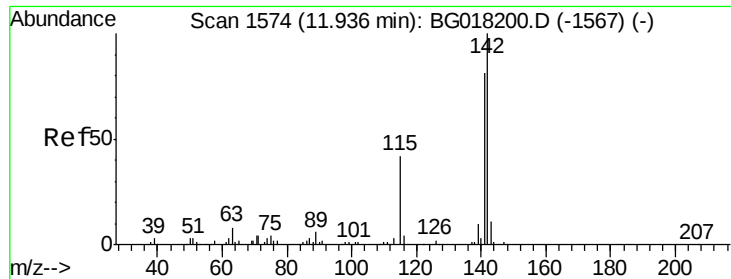
#28
Naphthalene
Concen: 4.40 ng/ul
RT: 10.31 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Tgt Ion:128 Resp: 56200
Ion Ratio Lower Upper
128 100
129 12.5 9.1 13.7
127 14.7 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

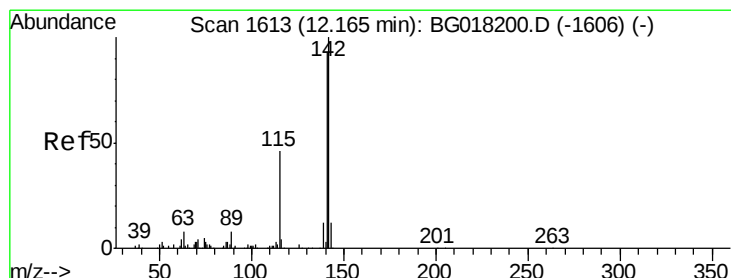
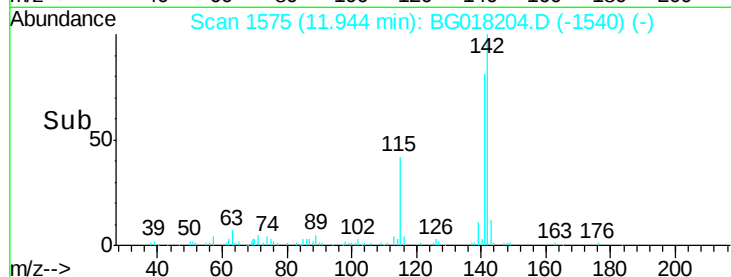
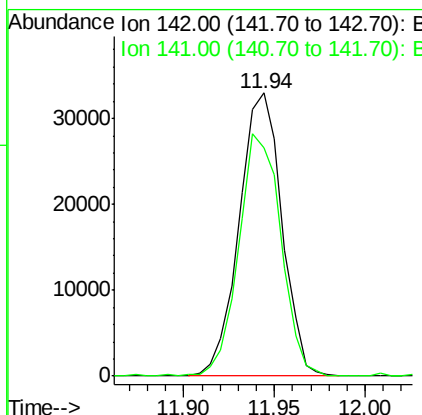
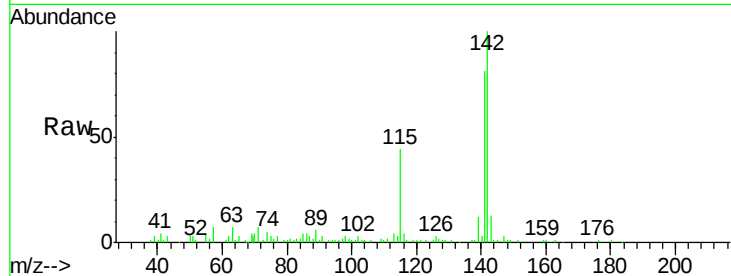




#34
 2-Methylnaphthalene
 Concen: 5.34 ng/ul
 RT: 11.94 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: BG018204.D
 Acq: 1 Aug 2015 5:13

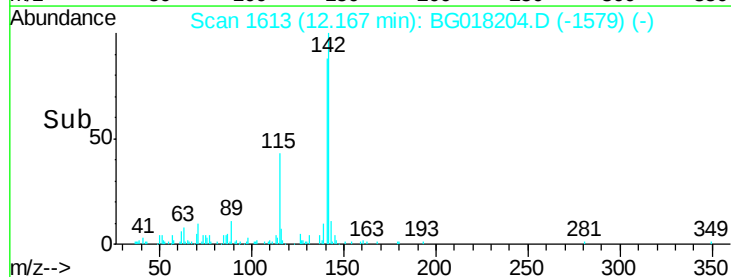
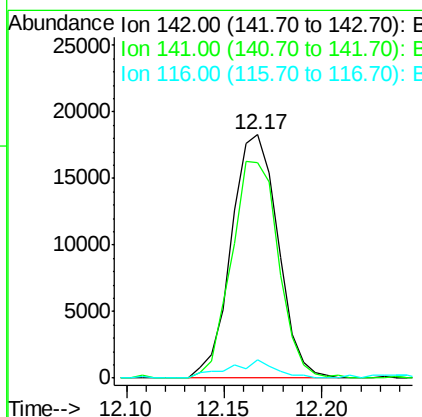
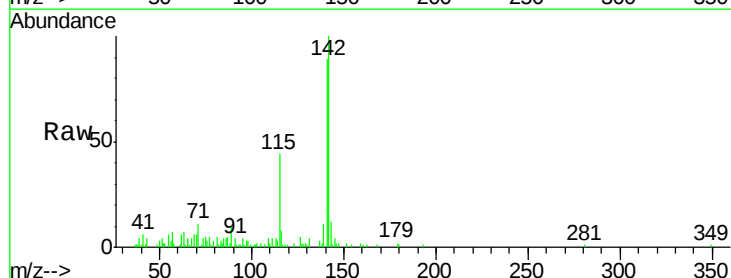
Instrument :
 BNA_G
 ClientSampleId :

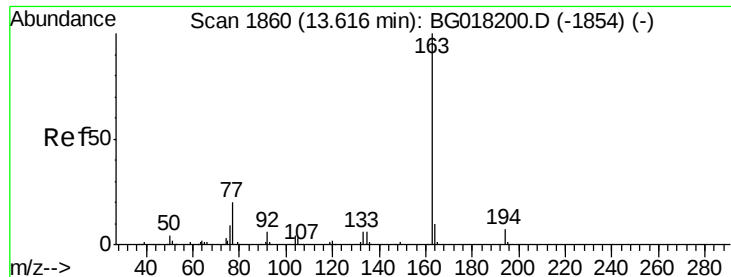
Tot Ion:142 Resp: 53960
 Ion Ratio Lower Upper
 142 100
 141 80.8 70.3 105.5



#35
 1-Methylnaphthalene
 Concen: 3.12 ng/ul
 RT: 12.17 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: BG018204.D
 Acq: 1 Aug 2015 5:13

Tgt Ion:142 Resp: 30300
 Ion Ratio Lower Upper
 142 100
 141 88.7 72.5 108.7
 116 7.7 2.6 4.0#

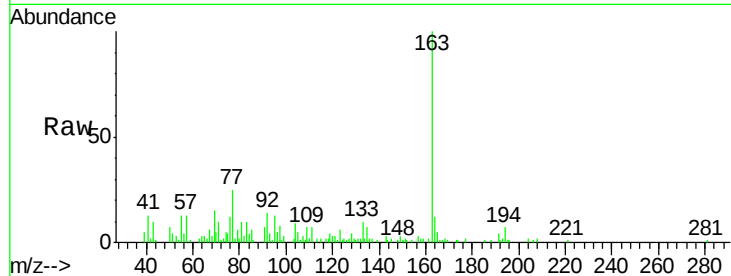




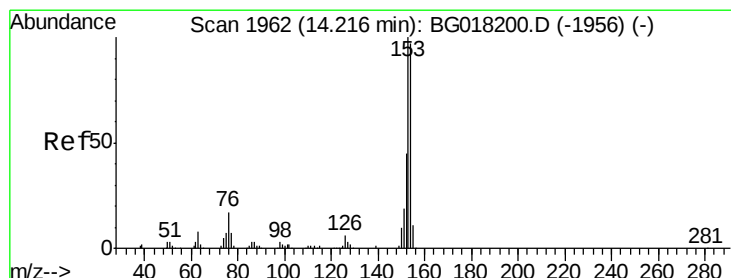
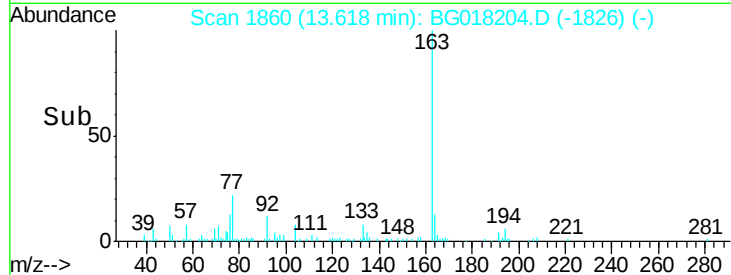
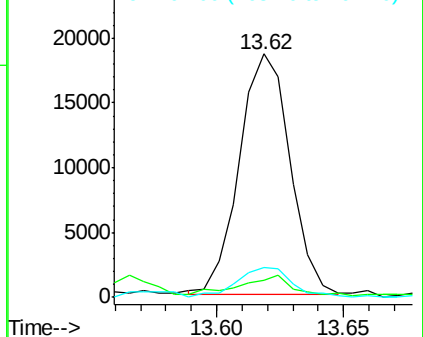
#45
Dimethylphthalate
Concen: 2.30 ng/ul
RT: 13.62 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 25727
Ion Ratio Lower Upper
163 100
194 6.9 5.2 7.8
164 12.3 8.4 12.6

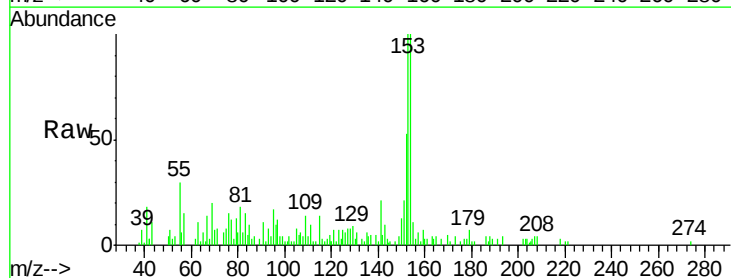


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

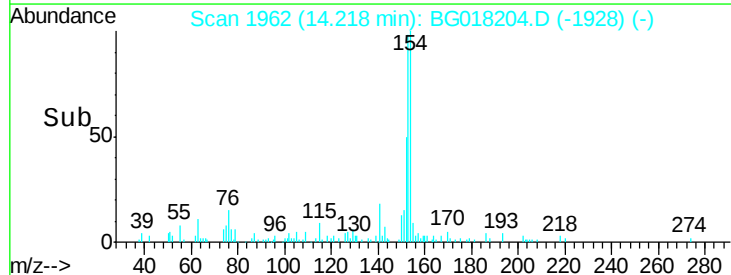
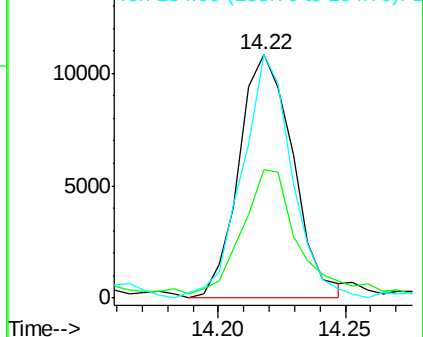


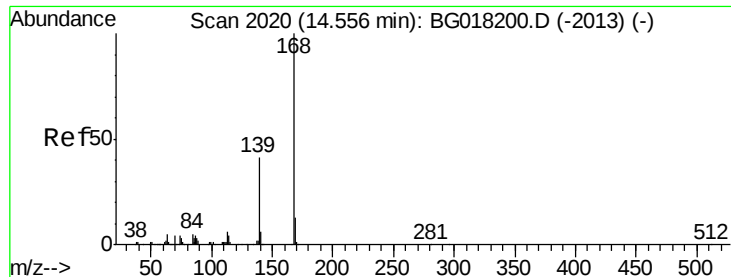
#50
Acenaphthene
Concen: 1.91 ng/ul
RT: 14.22 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Tgt Ion:153 Resp: 16096
Ion Ratio Lower Upper
153 100
152 53.0 38.7 58.1
154 99.8 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

Dibenzenofuran

Concen: 1.25 ng/ul

RT: 14.56 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

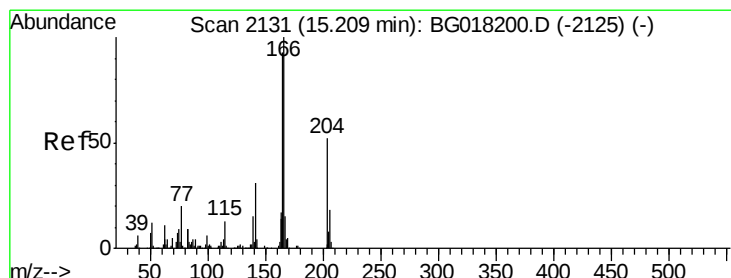
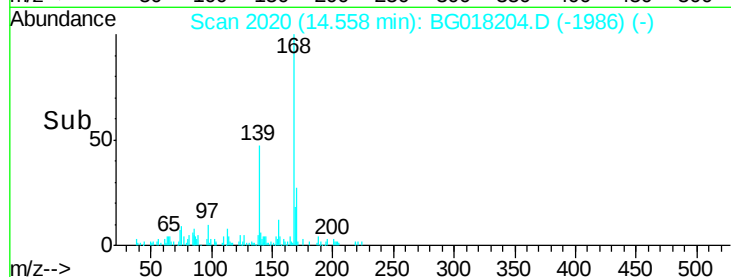
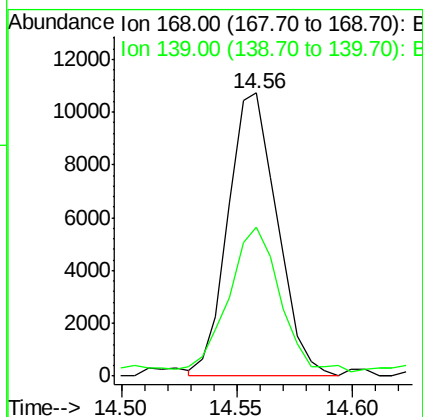
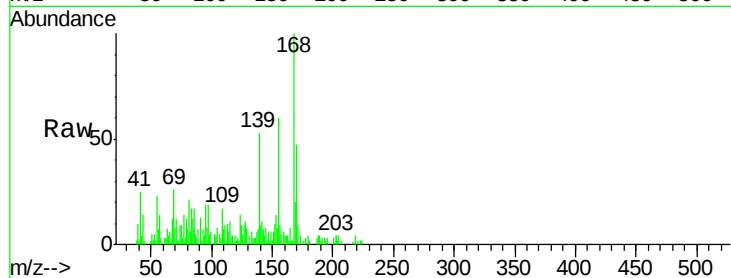
ClientSampleId :

Tot Ion:168 Resp: 15861

Ion Ratio Lower Upper

168 100

139 52.6 26.8 40.2#



#59

Fluorene

Concen: 1.98 ng/ul

RT: 15.21 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

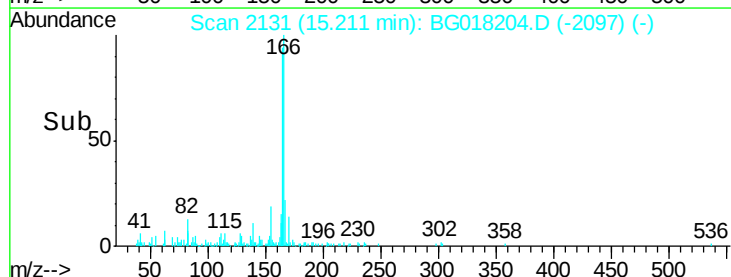
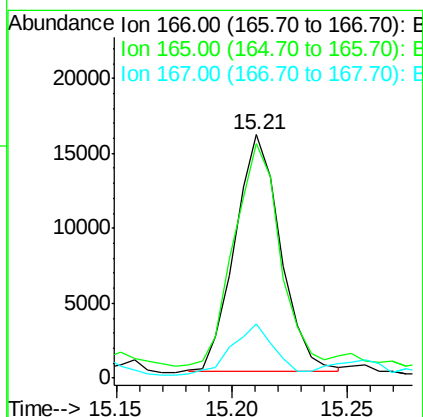
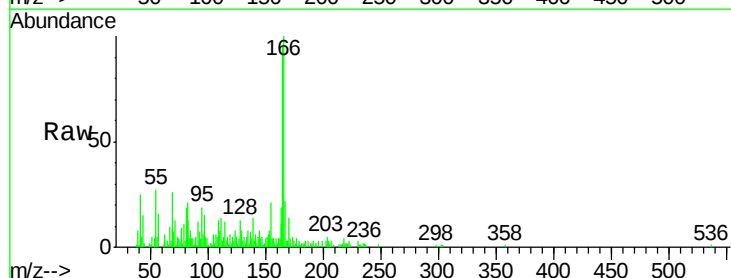
Tgt Ion:166 Resp: 21756

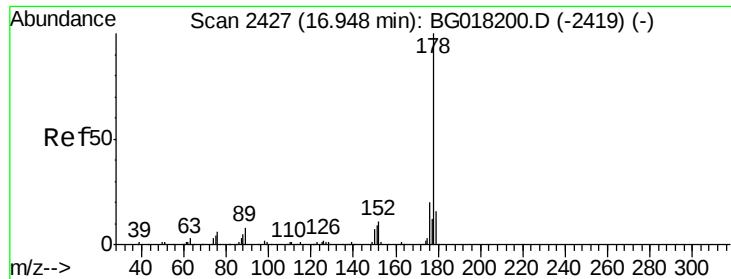
Ion Ratio Lower Upper

166 100

165 96.4 75.1 112.7

167 22.3 11.8 17.6#





#70

Phenanthrene

Concen: 12.32 ng/ul

RT: 16.96 min Scan# 2428

Delta R.T. 0.01 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampleId :

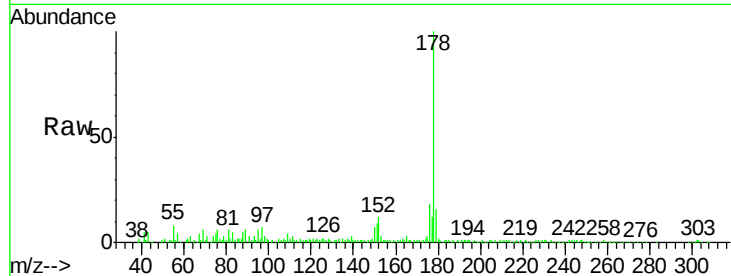
Tot Ion:178 Resp: 173294

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

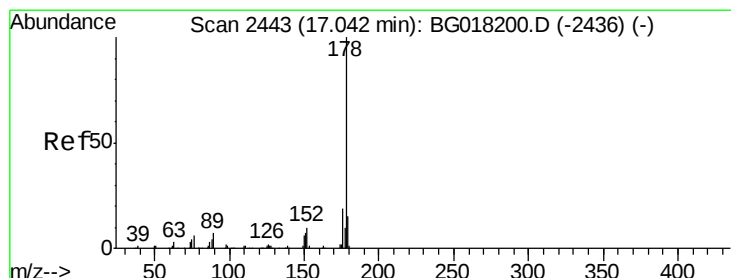
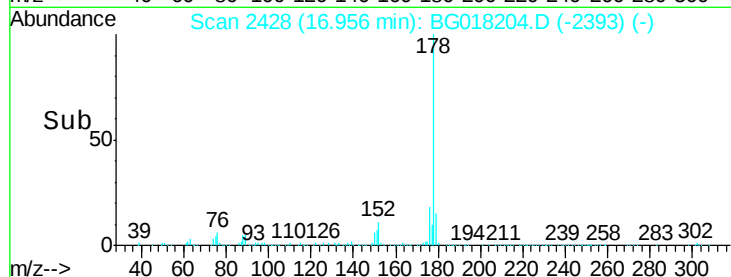
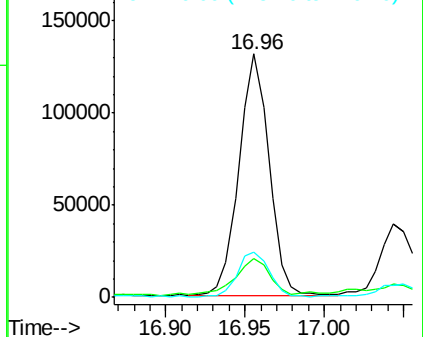
176 18.4 16.0 24.0



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: 3.90 ng/ul

RT: 17.04 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

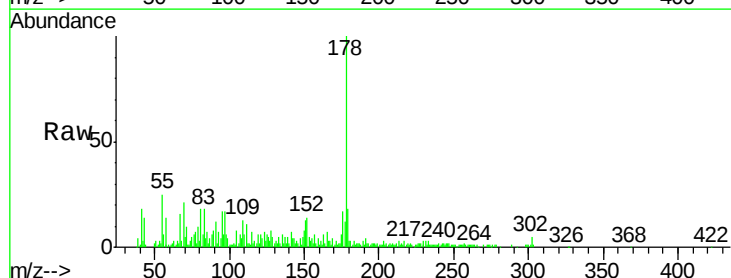
Tgt Ion:178 Resp: 54501

Ion Ratio Lower Upper

178 100

179 18.2 12.2 18.2

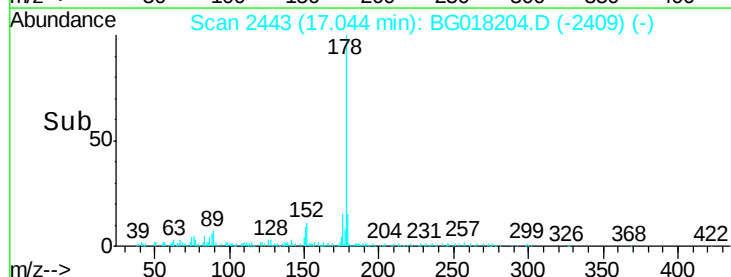
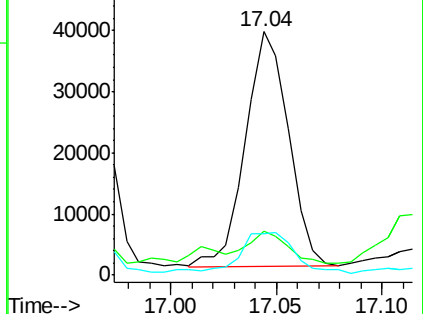
176 16.8 14.8 22.2

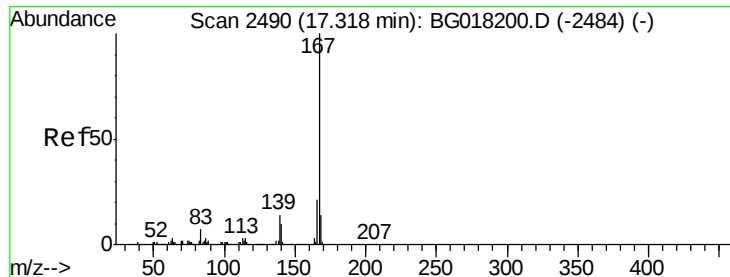


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.50 ng/ul

RT: 17.32 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampleId :

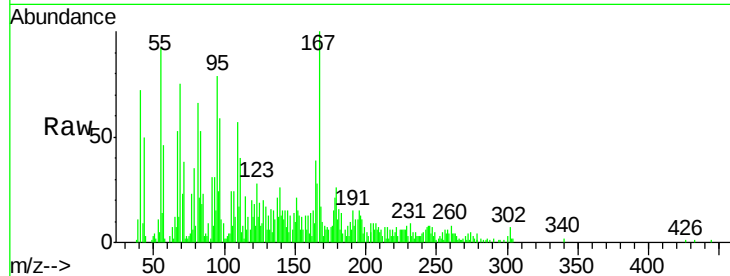
Tot Ion:167 Resp: 17383

Ion Ratio Lower Upper

167 100

166 28.3 17.5 26.3#

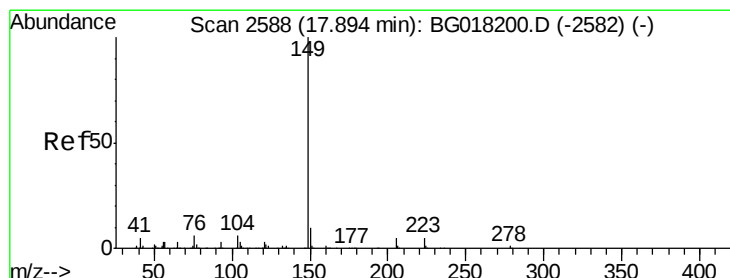
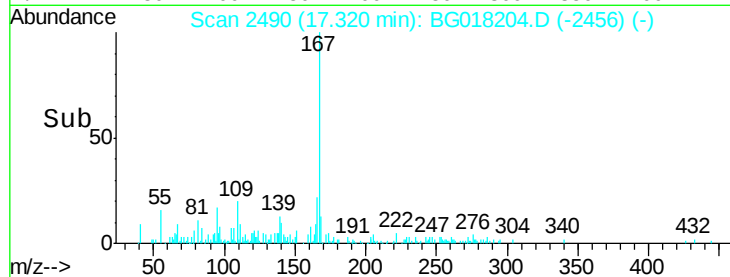
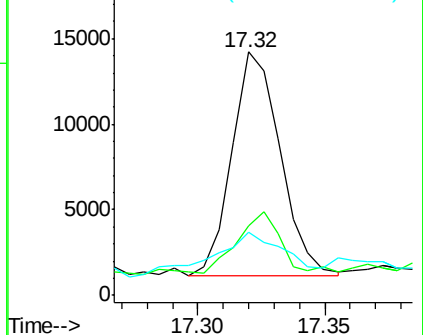
139 25.9 10.1 15.1#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Di-n-butylphthalate

Concen: 2.08 ng/ul

RT: 17.90 min Scan# 2588

Delta R.T. 0.00 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

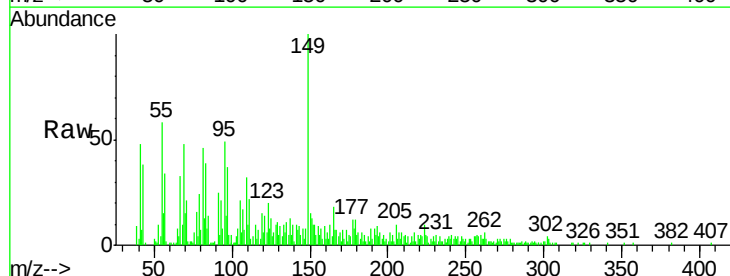
Tgt Ion:149 Resp: 32217

Ion Ratio Lower Upper

149 100

150 15.2 7.7 11.5#

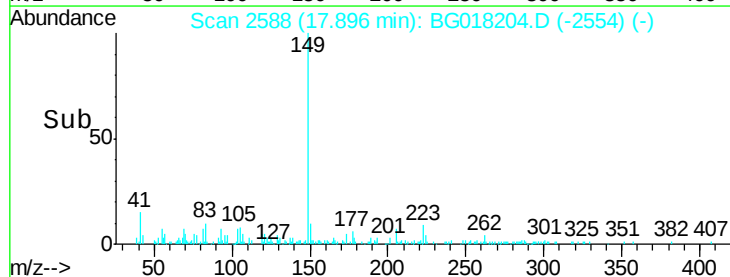
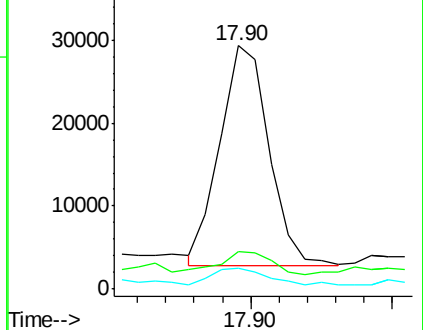
104 8.3 3.6 5.4#

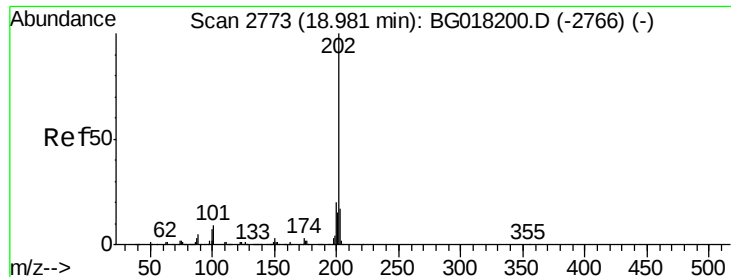


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#77

Fluoranthene

Concen: 22.39 ng/ul

RT: 18.99 min Scan# 2774

Delta R.T. 0.01 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampleId :

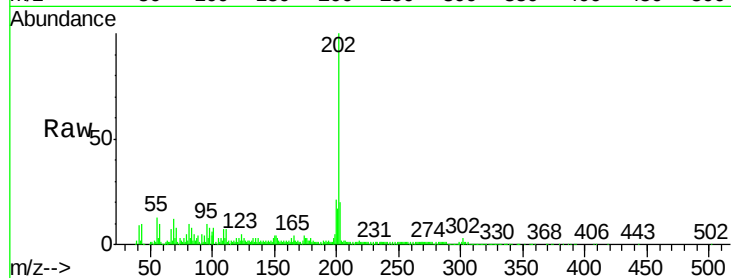
Tot Ion:202 Resp: 345843

Ion Ratio Lower Upper

202 100

101 7.8 7.5 11.3

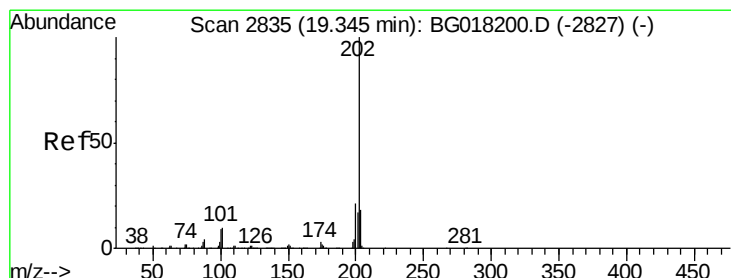
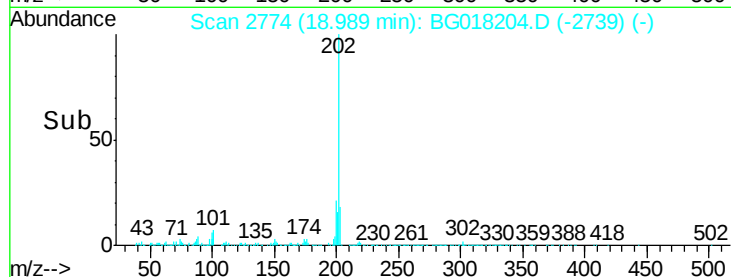
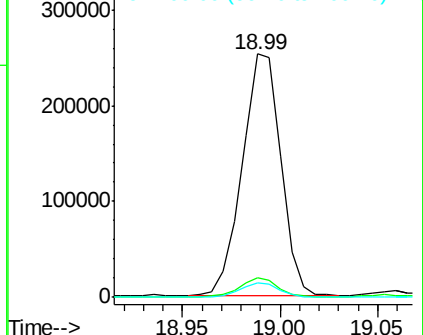
100 6.2 5.5 8.3



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



#80

Pyrene

Concen: 15.76 ng/ul

RT: 19.36 min Scan# 2837

Delta R.T. 0.01 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

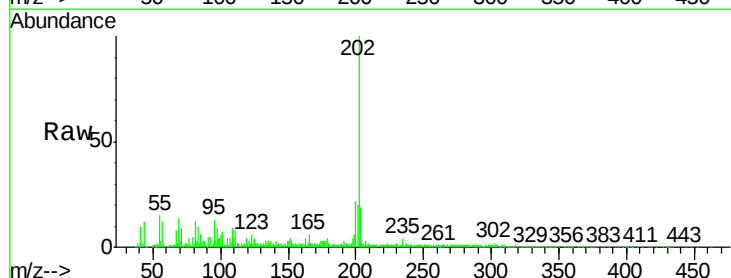
Tgt Ion:202 Resp: 343996

Ion Ratio Lower Upper

202 100

101 7.3 8.1 12.1#

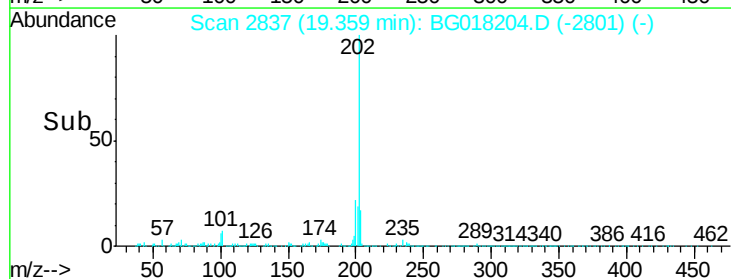
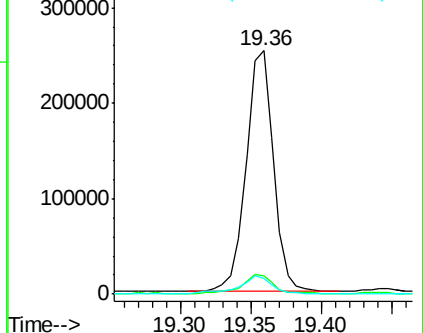
100 6.3 7.4 11.0#

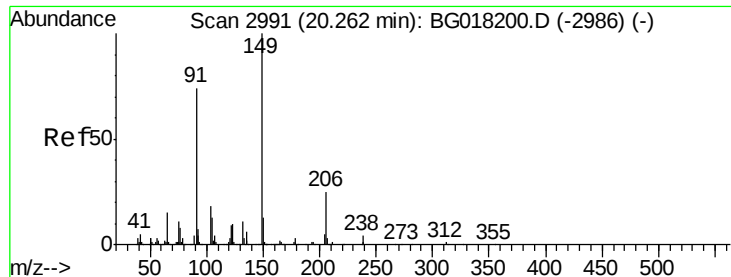


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

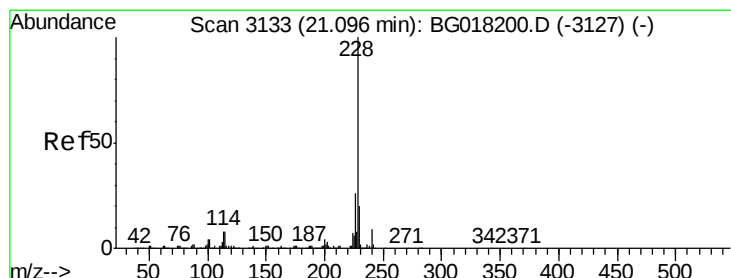
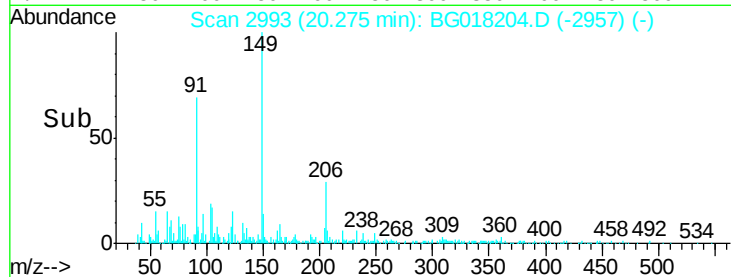
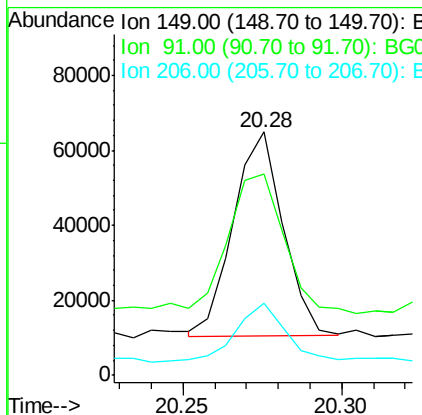
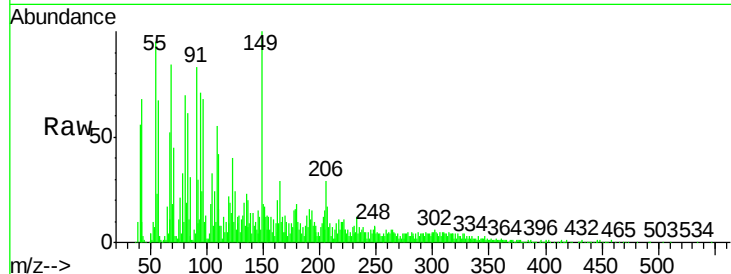




#81
Butylbenzylphthalate
Concen: 6.74 ng/ul
RT: 20.28 min Scan# 2993
Delta R.T. 0.01 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

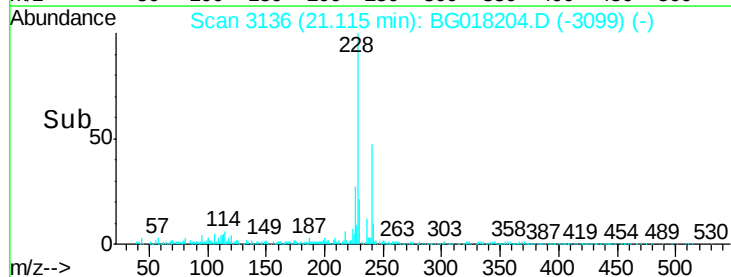
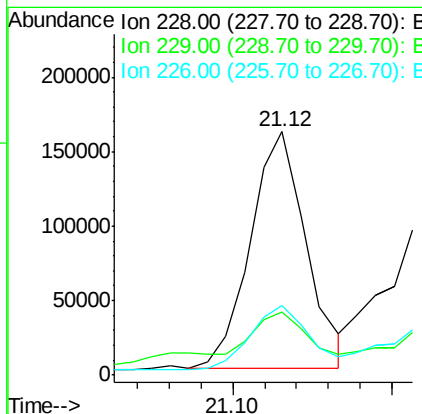
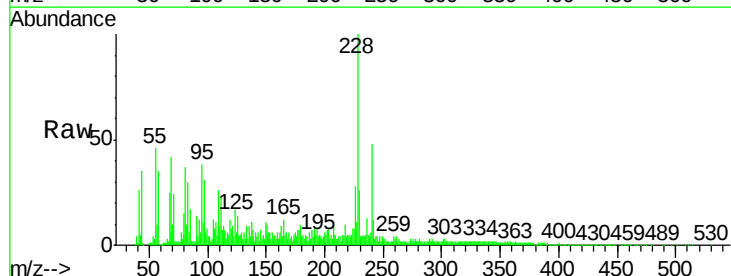
Instrument :
BNA_G
ClientSampleId :

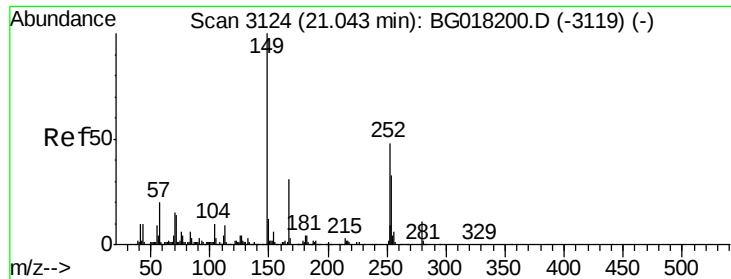
Tot Ion	Ratio	Lower	Upper
149	100		
91	82.6	46.6	69.8#
206	29.5	21.8	32.8



#83
Benzo(a)anthracene
Concen: 10.02 ng/ul
RT: 21.12 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	25.7	16.5	24.7#
226	28.5	21.5	32.3

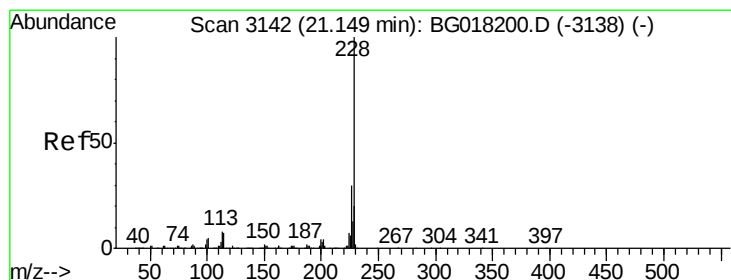
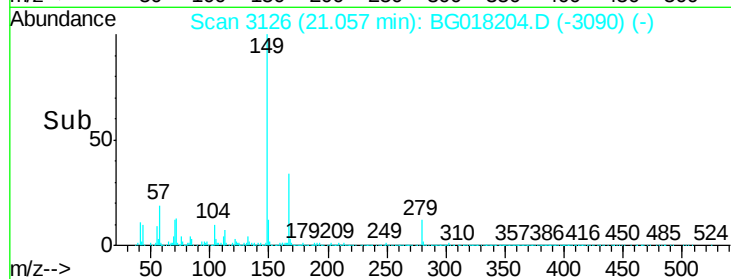
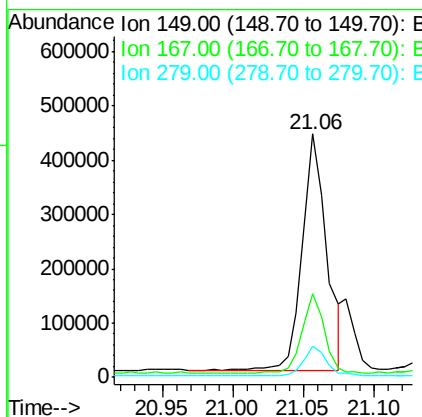
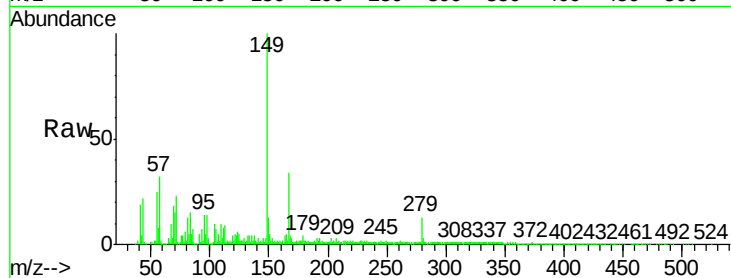




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.25 ng/ul
 RT: 21.06 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BG018204.D
 Acq: 1 Aug 2015 5:13

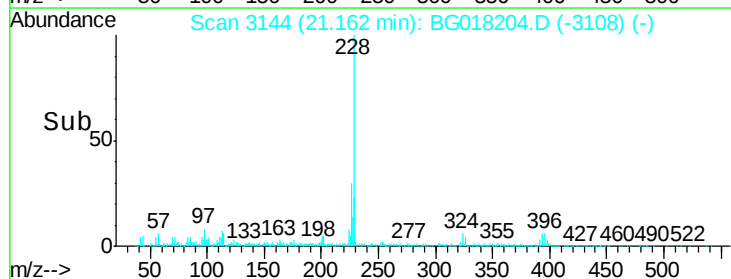
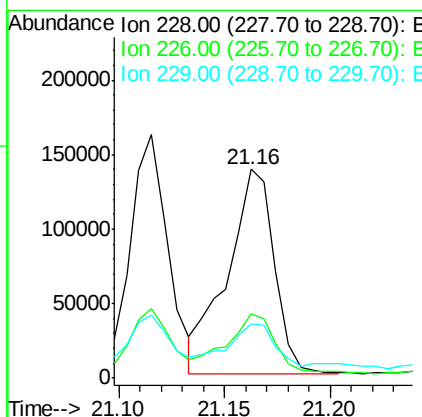
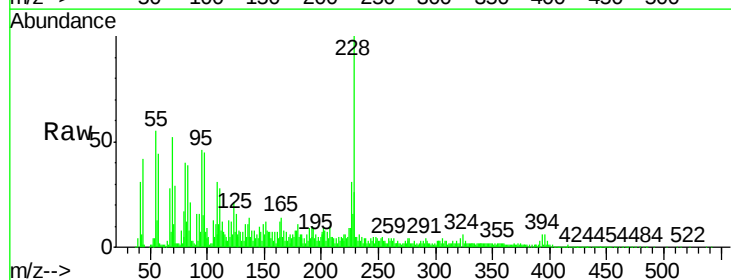
Instrument :
 BNA_G
 ClientSampleId :

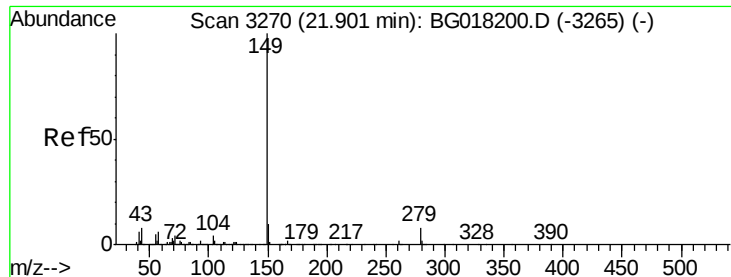
Tot Ion:149 Resp: 529416
 Ion Ratio Lower Upper
 149 100
 167 34.4 27.4 41.2
 279 12.5 8.3 12.5#



#85
 Chrysene
 Concen: 11.98 ng/ul
 RT: 21.16 min Scan# 3144
 Delta R.T. 0.01 min
 Lab File: BG018204.D
 Acq: 1 Aug 2015 5:13

Tgt Ion:228 Resp: 212646
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.7 34.1
 229 26.1 16.2 24.2#



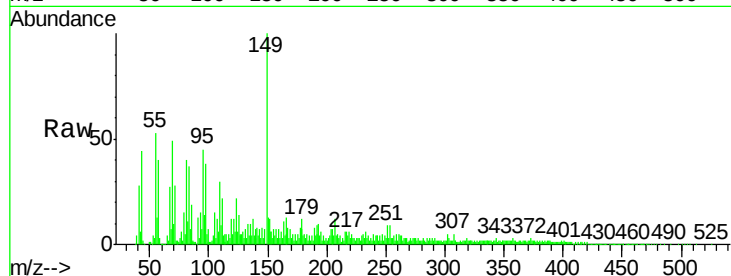


#87

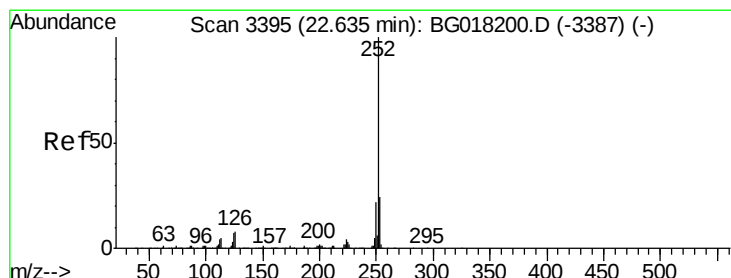
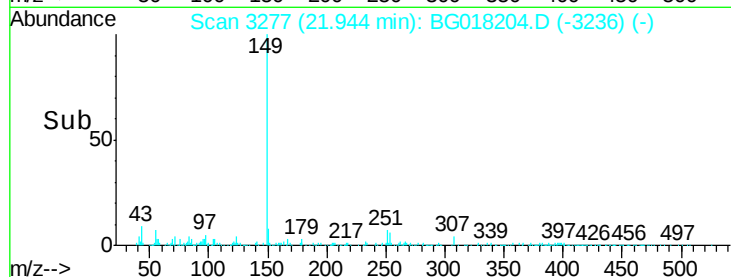
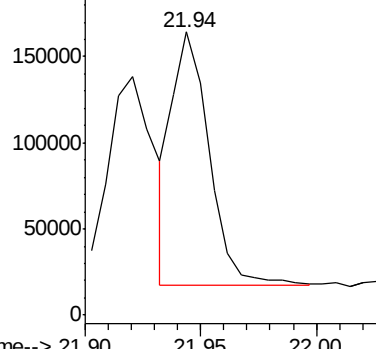
Di-n-octyl phthalate
Concen: 7.78 ng/ul
RT: 21.94 min Scan# 3277
Delta R.T. 0.04 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 163836



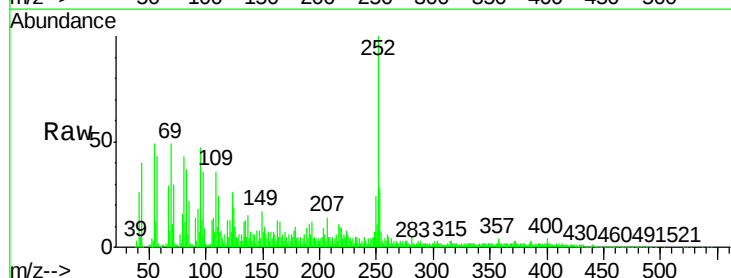
Abundance Ion 149.00 (148.70 to 149.70): E



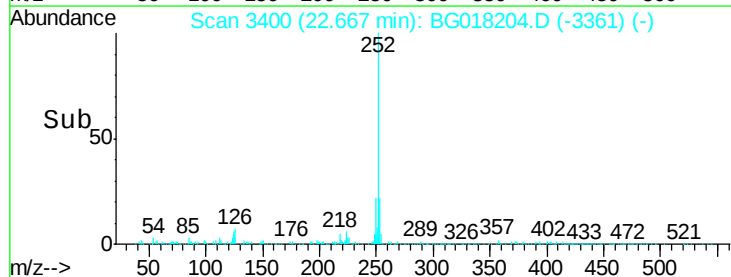
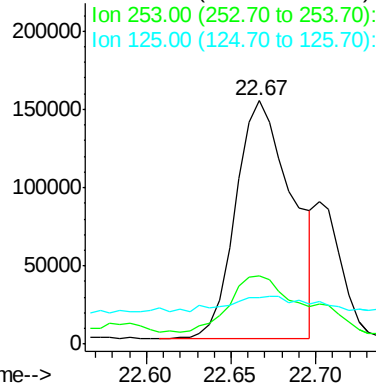
#88

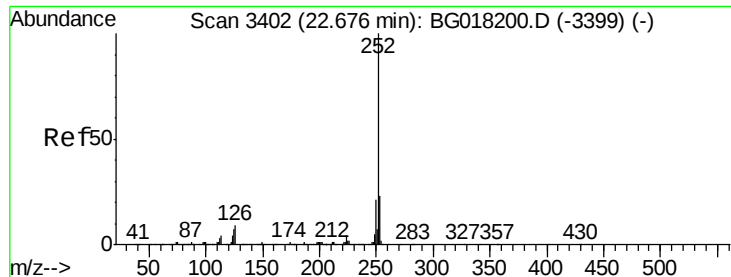
Benzo(b)fluoranthene
Concen: 14.78 ng/ul
RT: 22.67 min Scan# 3400
Delta R.T. 0.03 min
Lab File: BG018204.D
Acq: 1 Aug 2015 5:13

Tgt Ion:252 Resp: 354037
Ion Ratio Lower Upper
252 100
253 28.1 18.5 27.7#
125 19.4 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 16.08 ng/ul

RT: 22.67 min Scan# 3400

Delta R.T. -0.01 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampleId :

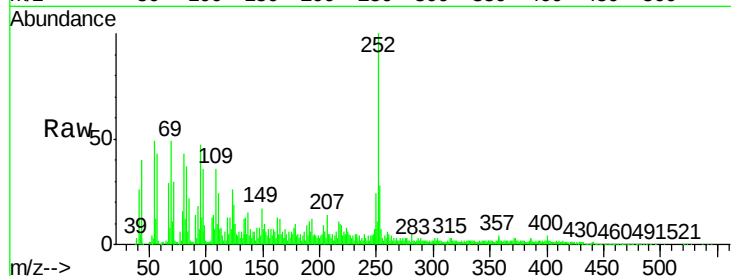
Tot Ion:252 Resp: 354037

Ion Ratio Lower Upper

252 100

253 28.1 18.2 27.2#

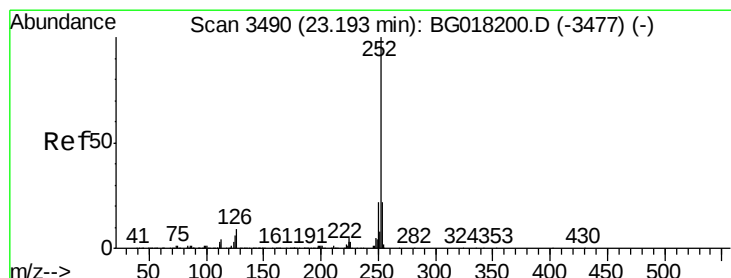
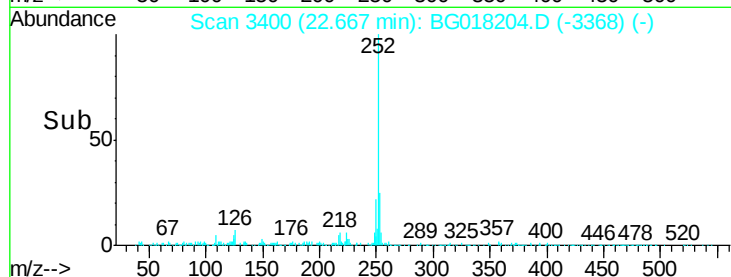
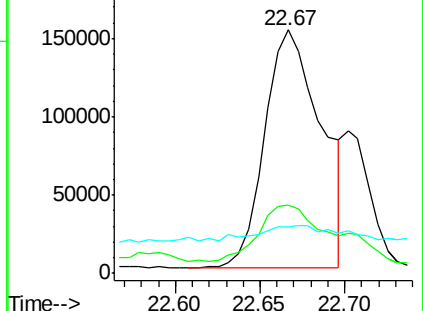
125 19.4 7.5 11.3#



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: 10.42 ng/ul

RT: 23.22 min Scan# 3495

Delta R.T. 0.03 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

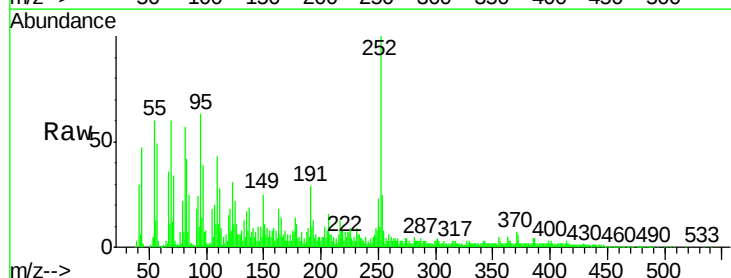
Tgt Ion:252 Resp: 223374

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.2

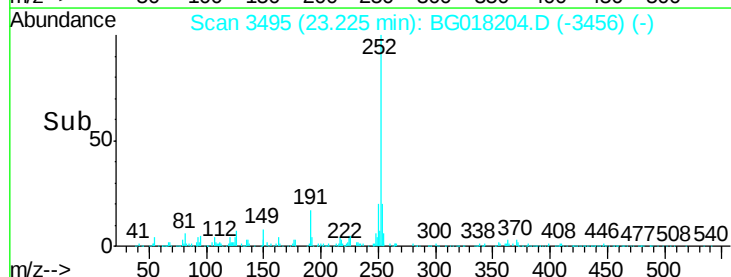
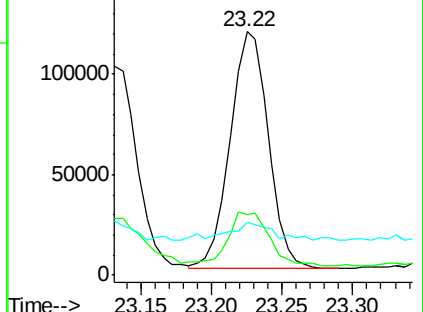
125 21.5 7.3 10.9#

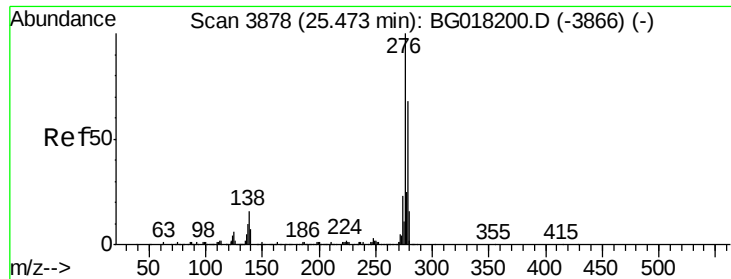


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 6.40 ng/ul

RT: 25.53 min Scan# 3888

Delta R.T. 0.06 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampleId :

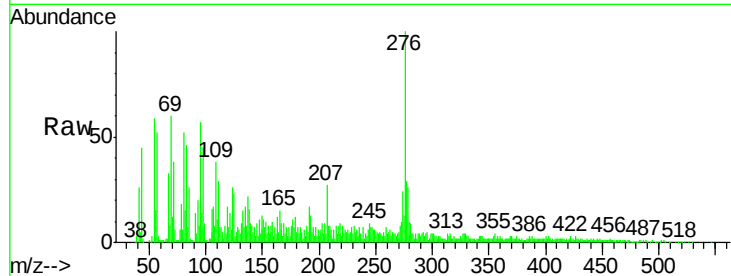
Tot Ion:276 Resp: 158722

Ion Ratio Lower Upper

276 100

138 15.7 17.2 25.8#

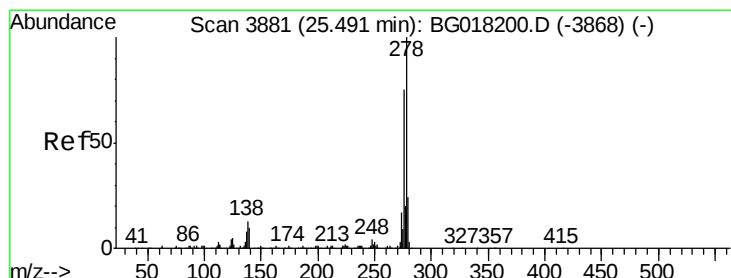
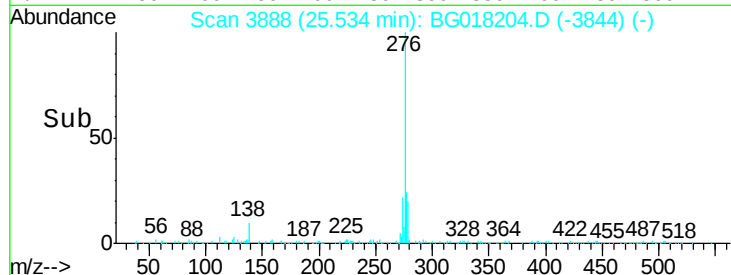
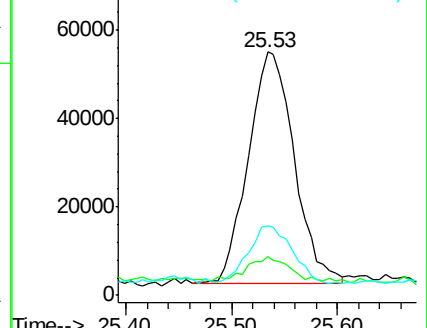
277 28.8 19.5 29.3



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



#93

Dibenzo(a,h)anthracene

Concen: 2.01 ng/ul

RT: 25.54 min Scan# 3889

Delta R.T. 0.05 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

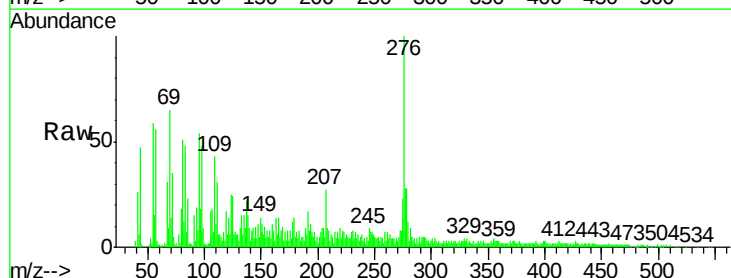
Tgt Ion:278 Resp: 42620

Ion Ratio Lower Upper

278 100

139 34.1 12.2 18.2#

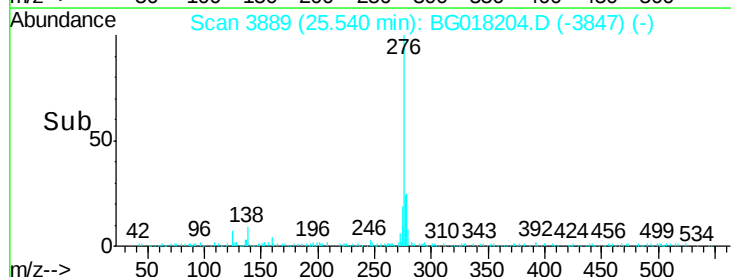
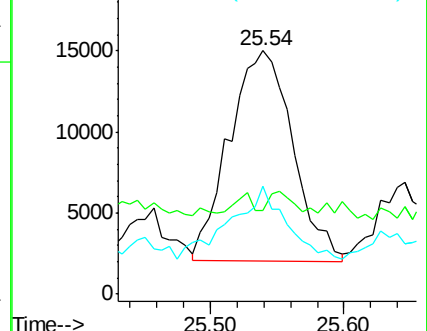
279 44.6 20.0 30.0#

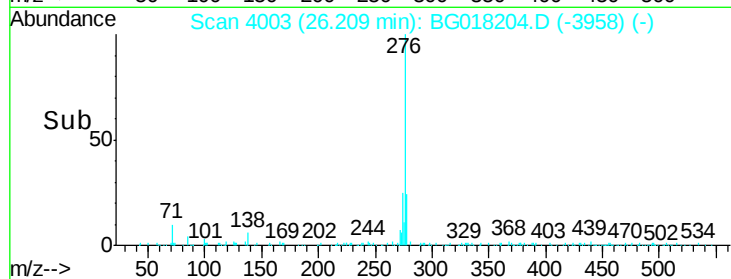
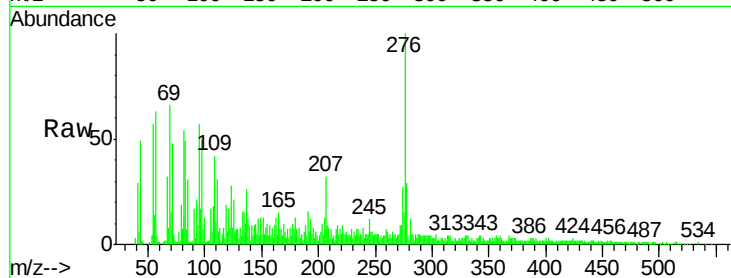
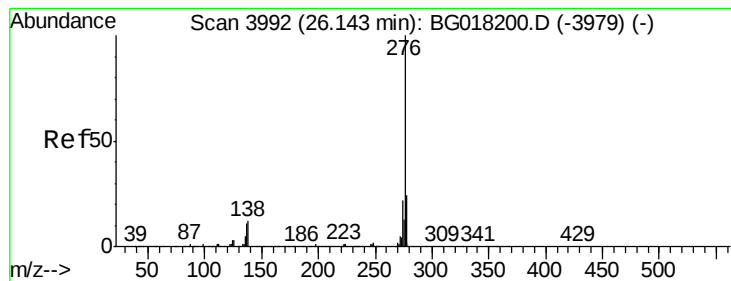


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(a,h,i)perylene

Concen: 7.58 ng/ul

RT: 26.21 min Scan# 4003

Delta R.T. 0.07 min

Lab File: BG018204.D

Acq: 1 Aug 2015 5:13

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 153498

Ion Ratio Lower Upper

276 100

138 12.1 15.1 22.7#

277 29.0 19.8 29.6

