

Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 03 02:00:39 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	54995	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	224674	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	102574	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	196967	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	219448	20.00	ng/ul	0.01
86) Perylene-d12	23.31	264	222297	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1407	1.93	ng/uL	0.00
5) Phenol-d5	6.69	99	64942	13.13	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	36941	14.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	52944	14.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	48041	11.93	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	28431	16.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	23219	11.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	53591	14.93	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	43583	9.74	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	117579	14.83	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	130790	14.23	ng/ul	0.01
52) 4-Nitrophenol-d4	14.41	143	12620	8.60	ng/ul	0.02
58) Fluorene-d10	15.16	176	91858	12.81	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.31	200	406	0.30	ng/ul	0.01
71) Anthracene-d10	16.92	188	196967	23.00	ng/ul	-0.09
79) Pyrene-d10	19.33	212	122920	11.58	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.17	264	135292	12.03	ng/ul	0.03

Target Compounds

					Ovalue
17) Hexachloroethane	8.59	117	4107	2.45 ng/ul#	5
21) Isophorone	9.19	82	9160	1.05 ng/ul#	1
24) 2,4-Dimethylphenol	9.46	107	9564	2.14 ng/ul#	26
28) Naphthalene	10.32	128	49976	4.62 ng/ul	98
34) 2-Methylnaphthalene	11.95	142	24619	2.88 ng/ul	97
35) 1-Methylnaphthalene	12.17	142	11791	1.44 ng/ul#	97
45) Dimethylphthalate	13.62	163	65975	8.37 ng/ul	99
46) 2,6-Dinitrotoluene	13.77	165	2920	1.61 ng/ul#	19
50) Acenaphthene	14.23	153	13706	2.31 ng/ul	97
54) Dibenzofuran	14.56	168	12682	1.42 ng/ul#	46
59) Fluorene	15.22	166	13254	1.72 ng/ul#	92
65) N-Nitrosodiphenylamine	15.45	169	13942	2.73 ng/ul#	57
70) Phenanthrene	16.96	178	84777	8.47 ng/ul	98
72) Anthracene	16.96	178	84777	8.52 ng/ul	98
75) Carbazole	17.33	167	10574	1.28 ng/ul#	66
77) Fluoranthene	18.99	202	195912	17.83 ng/ul#	93
80) Pyrene	19.36	202	187070	14.05 ng/ul#	93
81) Butylbenzylphthalate	20.28	149	9422	1.74 ng/ul#	78
83) Benzo(a)anthracene	21.11	228	83983	7.11 ng/ul	95
85) Chrysene	21.16	228	99781	9.22 ng/ul	95
88) Benzo(b)fluoranthene	22.66	252	182832	13.69 ng/ul#	84
89) Benzo(k)fluoranthene	22.66	252	182832	14.90 ng/ul#	83
91) Benzo(a)pyrene	23.22	252	106246	8.89 ng/ul#	73

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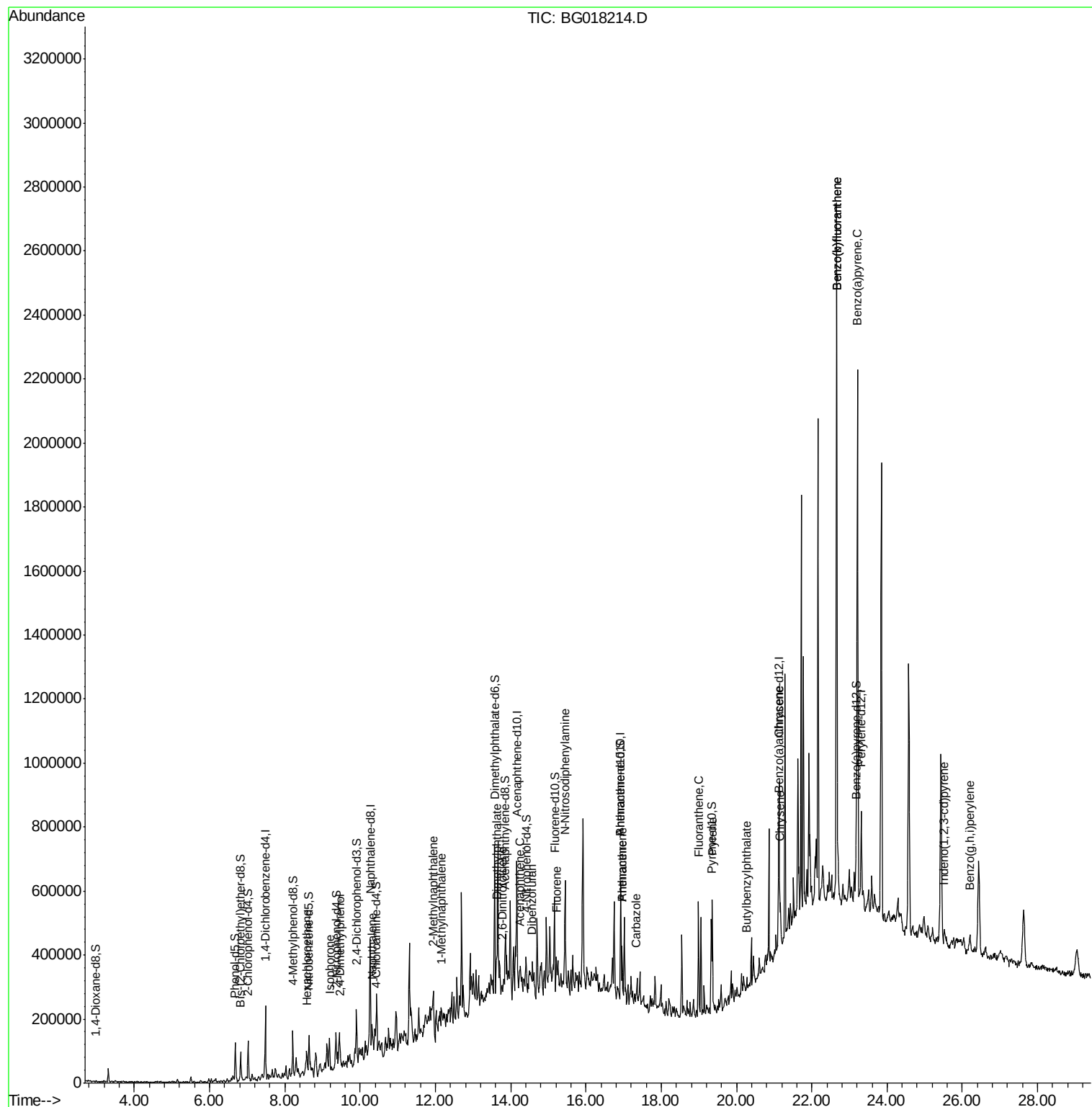
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.52	276	57226	4.14	ng/ul#	88
94) Benzo(g,h,i)perylene	26.20	276	41777	3.70	ng/ul#	92

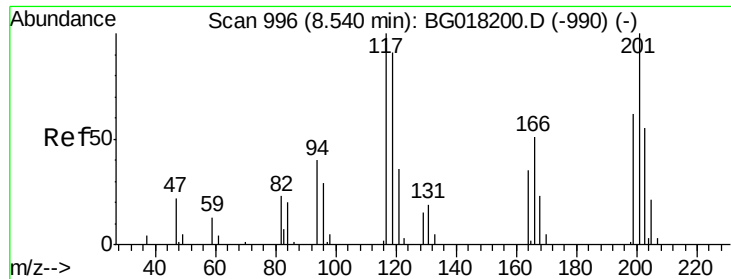
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Hexachloroethane

Concen: 2.45 ng/ul

RT: 8.59 min Scan# 1004

Delta R.T. 0.05 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

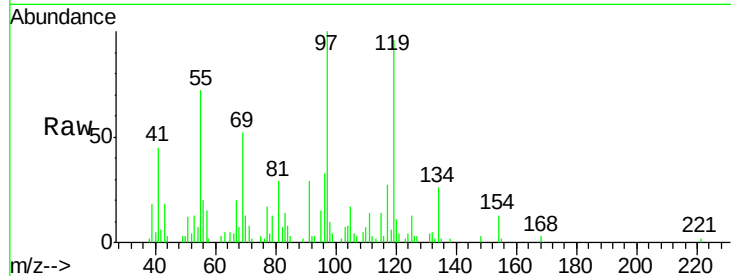
Tot Ion:117 Resp: 4107

Ion Ratio Lower Upper

117 100

201 0.0 85.0 127.4#

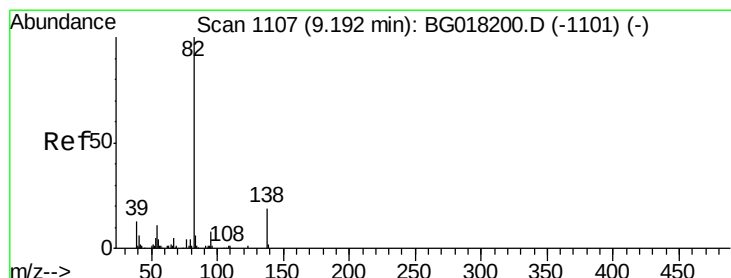
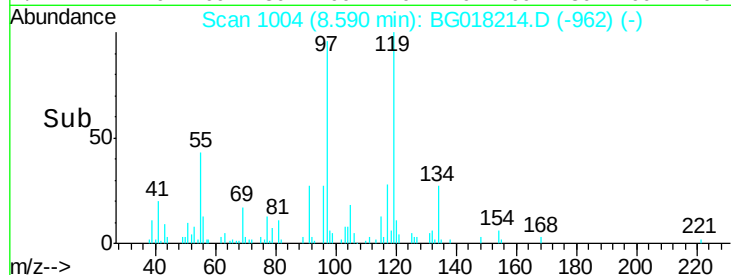
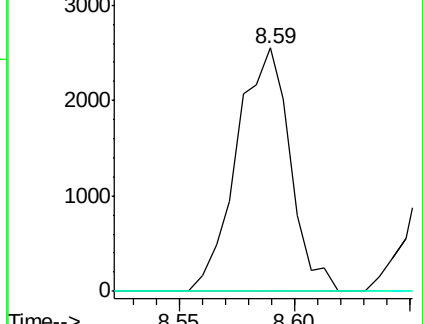
199 0.0 52.2 78.4#



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



#21

Isophorone

Concen: 1.05 ng/ul

RT: 9.19 min Scan# 1106

Delta R.T. -0.00 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

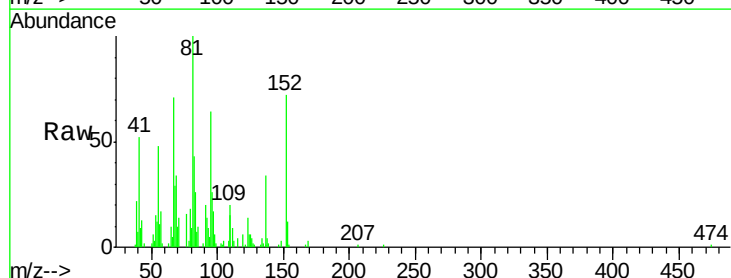
Tgt Ion: 82 Resp: 9160

Ion Ratio Lower Upper

82 100

95 148.1 6.5 9.7#

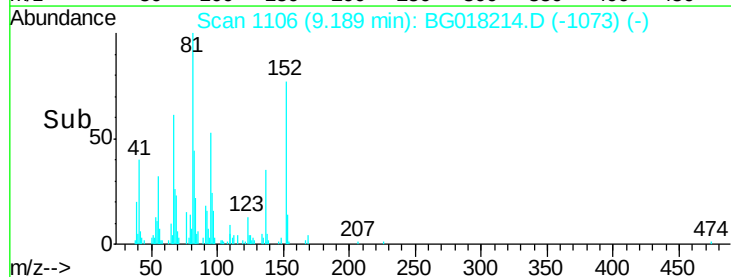
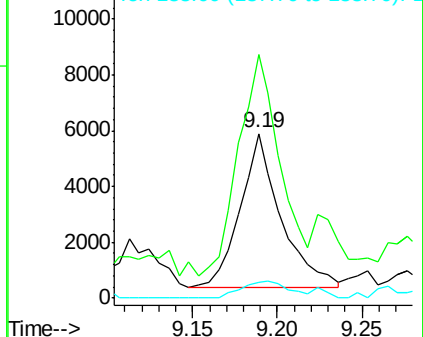
138 9.4 20.9 31.3#

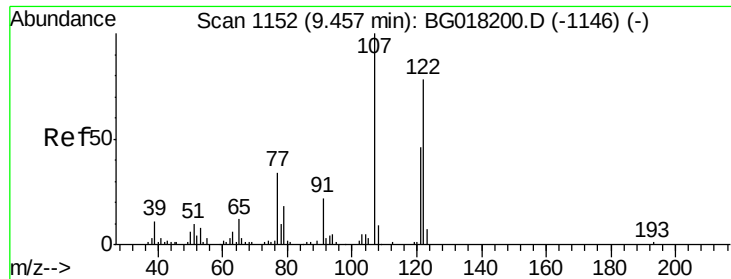


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): E





#24

2,4-Dimethylphenol

Concen: 2.14 ng/ul

RT: 9.46 min Scan# 1153

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

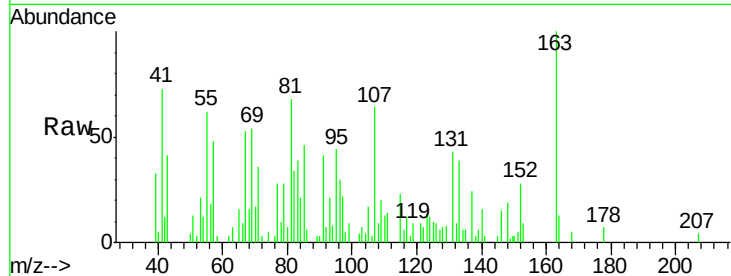
Tot Ion:107 Resp: 9564

Ion Ratio Lower Upper

107 100

121 14.0 41.4 62.2#

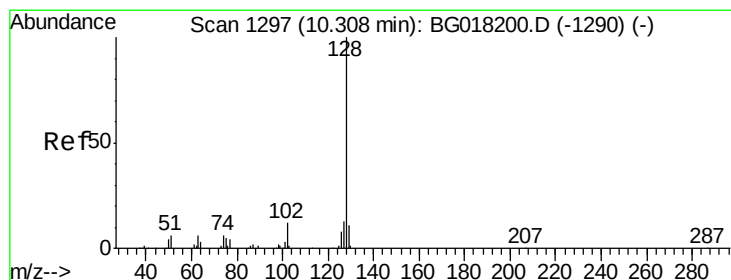
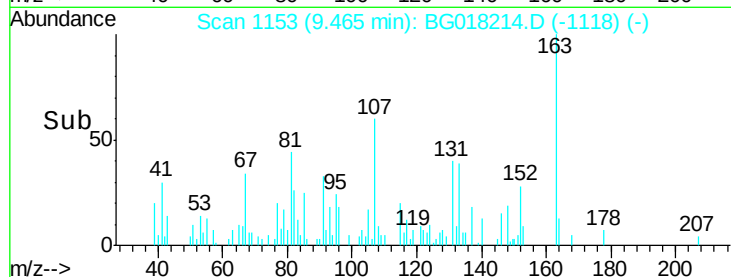
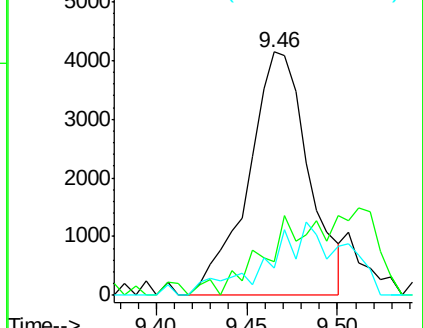
122 11.2 75.3 112.9#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 4.62 ng/ul

RT: 10.32 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

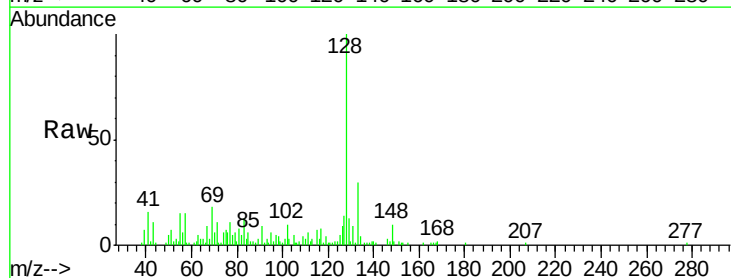
Tgt Ion:128 Resp: 49976

Ion Ratio Lower Upper

128 100

129 12.8 9.1 13.7

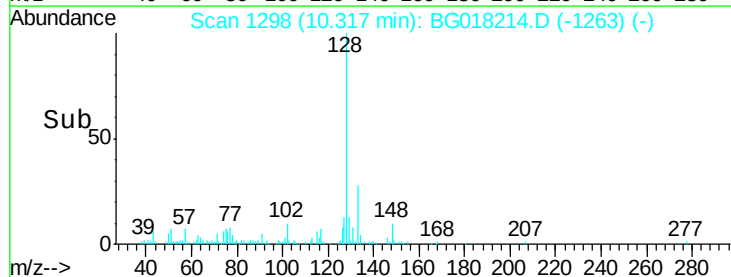
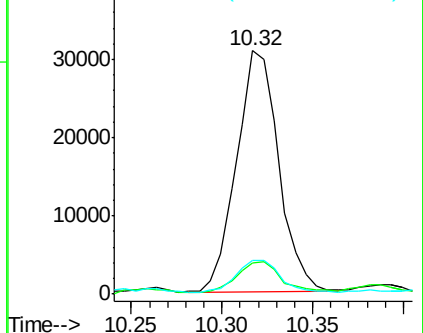
127 14.1 11.2 16.8

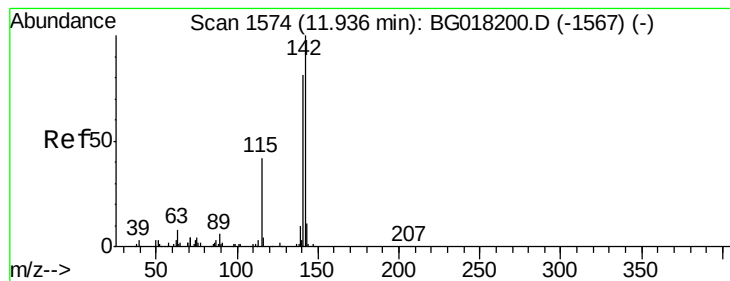


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#34

2-Methylnaphthalene

Concen: 2.88 ng/ul

RT: 11.95 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

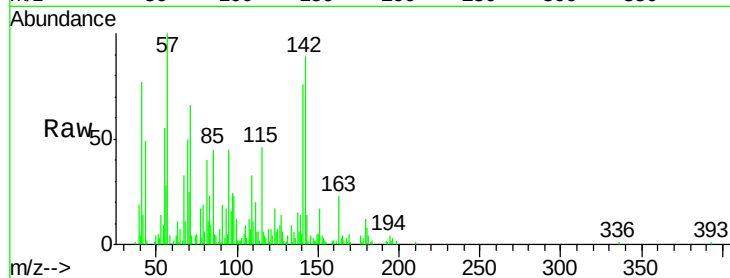
ClientSampleId :

Tot Ion:142 Resp: 24619

Ion Ratio Lower Upper

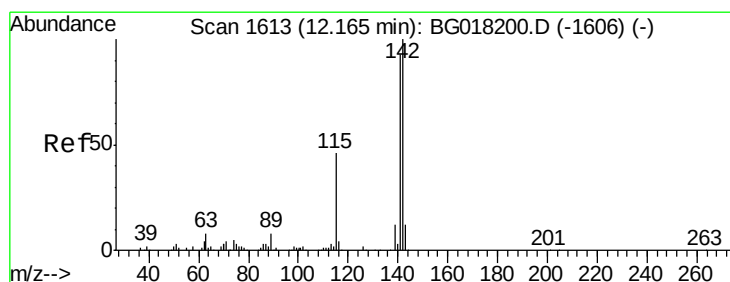
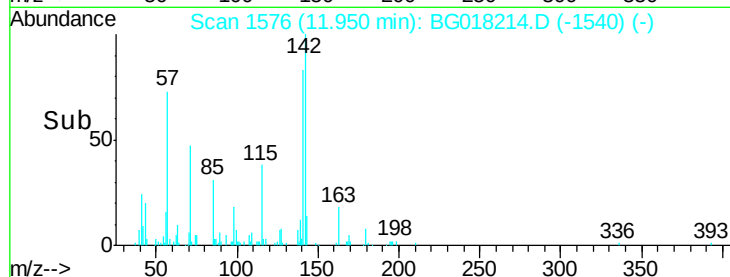
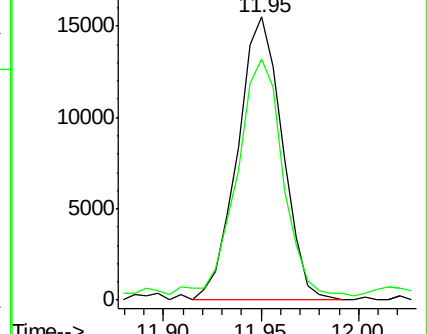
142 100

141 85.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#35

1-Methylnaphthalene

Concen: 1.44 ng/ul

RT: 12.17 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

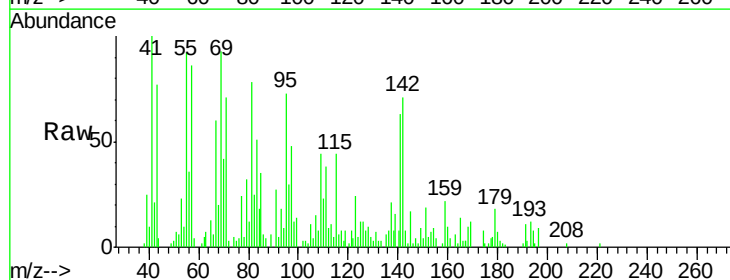
Tgt Ion:142 Resp: 11791

Ion Ratio Lower Upper

142 100

141 88.5 72.5 108.7

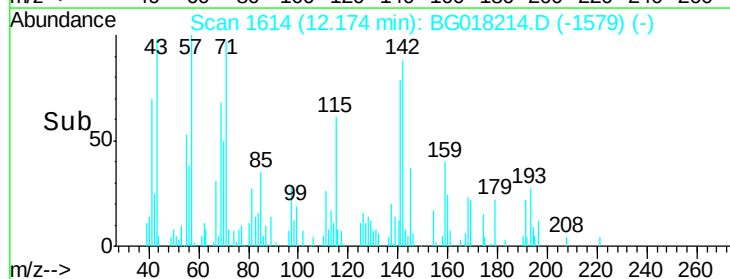
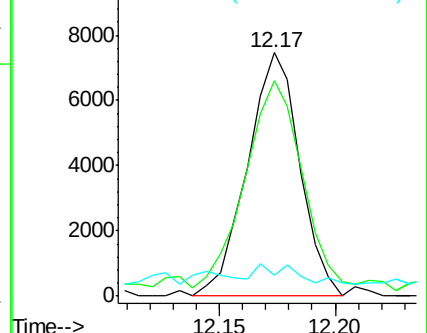
116 8.8 2.6 4.0#

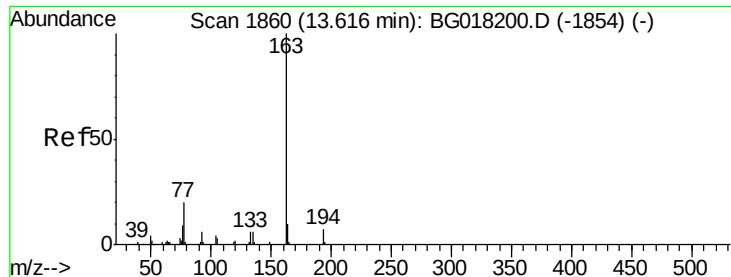


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

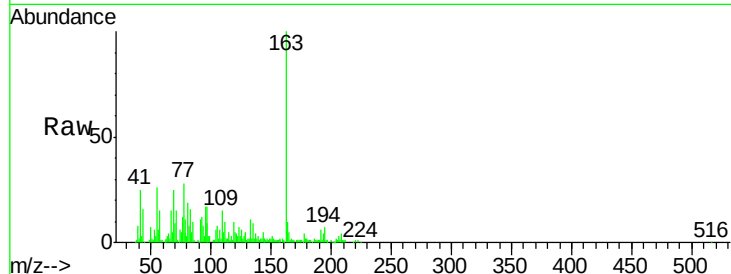




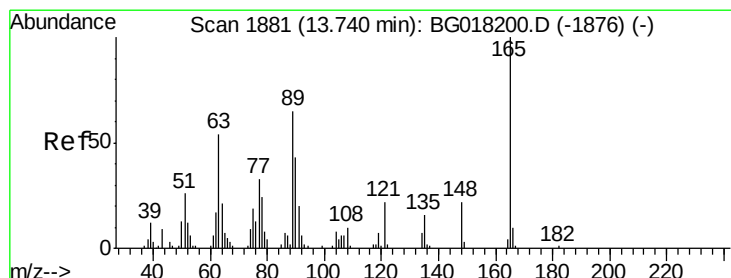
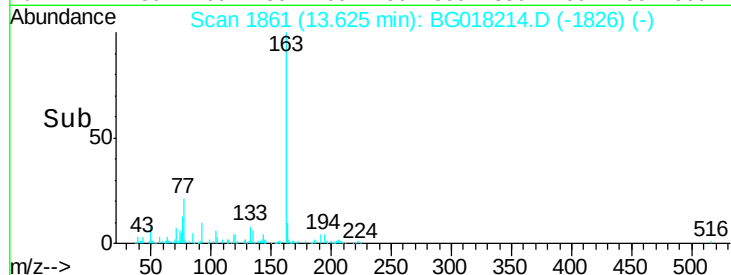
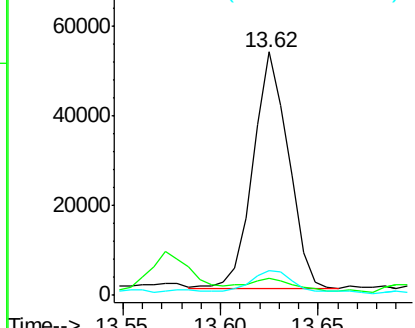
#45
Dimethylphthalate
Concen: 8.37 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 65975
Ion Ratio Lower Upper
163 100
194 7.3 5.2 7.8
164 10.2 8.4 12.6

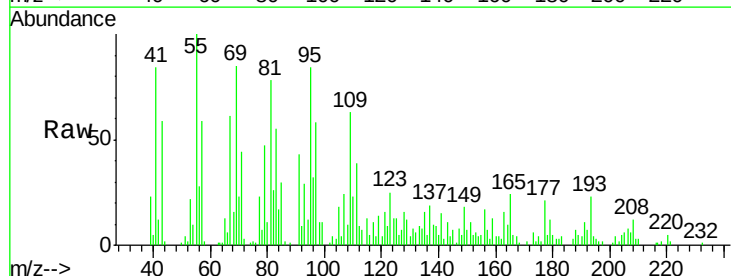


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

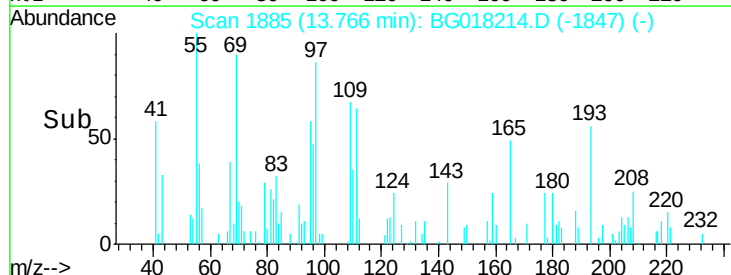
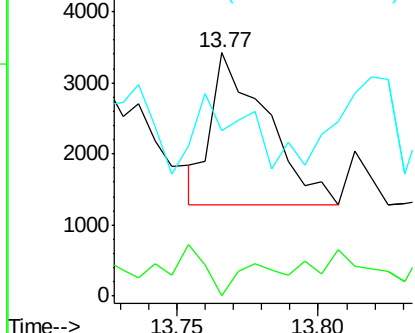


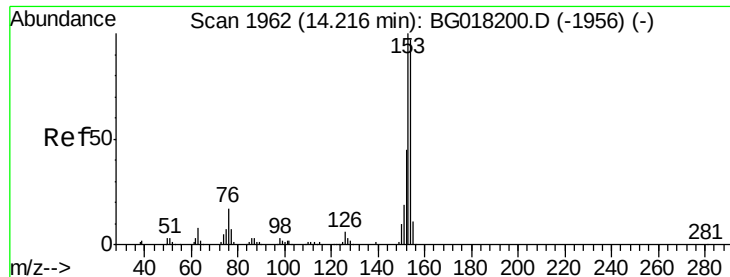
#46
2,6-Dinitrotoluene
Concen: 1.61 ng/ul
RT: 13.77 min Scan# 1885
Delta R.T. 0.03 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Tgt Ion:165 Resp: 2920
Ion Ratio Lower Upper
165 100
89 0.0 35.4 53.2#
121 68.1 15.0 22.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BG
Ion 121.00 (120.70 to 121.70): E





#50

Acenaphthene

Concen: 2.31 ng/ul

RT: 14.23 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

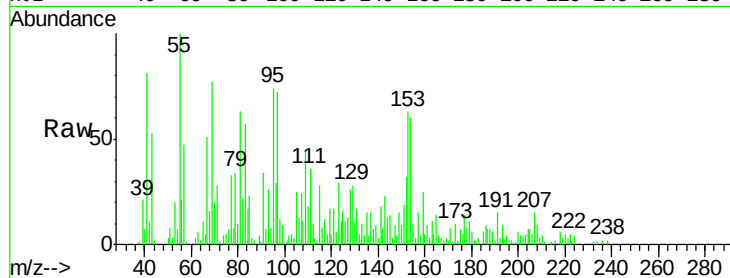
Tot Ion:153 Resp: 13706

Ion Ratio Lower Upper

153 100

152 51.3 38.7 58.1

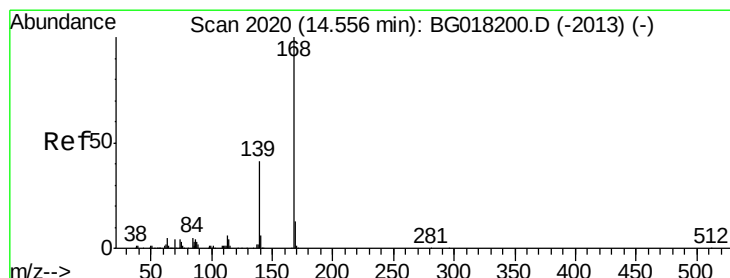
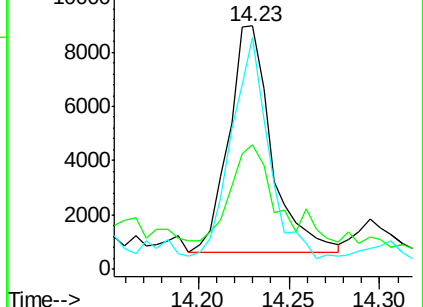
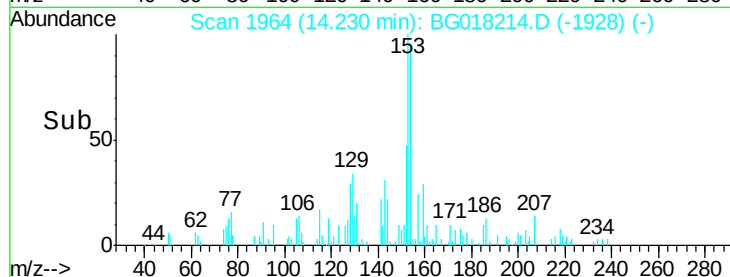
154 95.3 74.8 112.2



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: 1.42 ng/ul

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018214.D

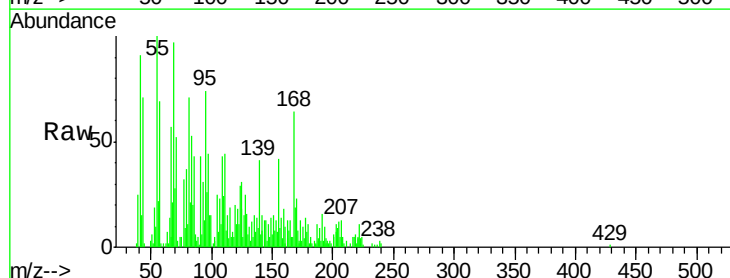
Acq: 1 Aug 2015 11:03

Tgt Ion:168 Resp: 12682

Ion Ratio Lower Upper

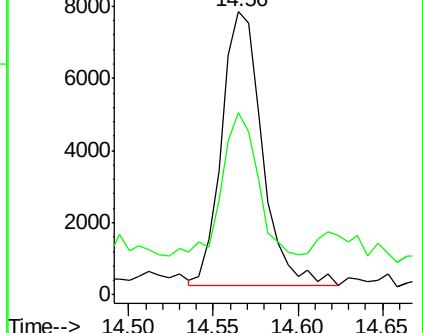
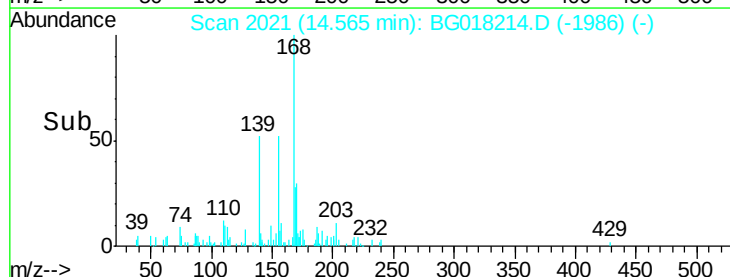
168 100

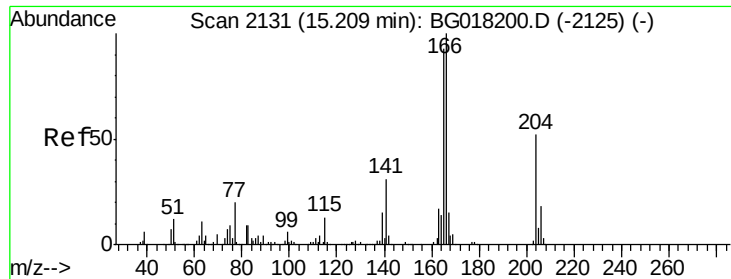
139 64.3 26.8 40.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.72 ng/ul

RT: 15.22 min Scan# 2133

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

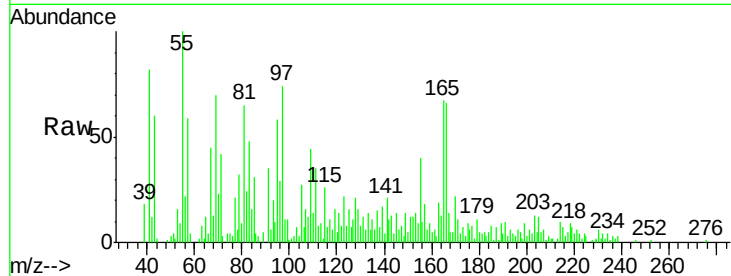
Tot Ion:166 Resp: 13254

Ion Ratio Lower Upper

166 100

165 100.9 75.1 112.7

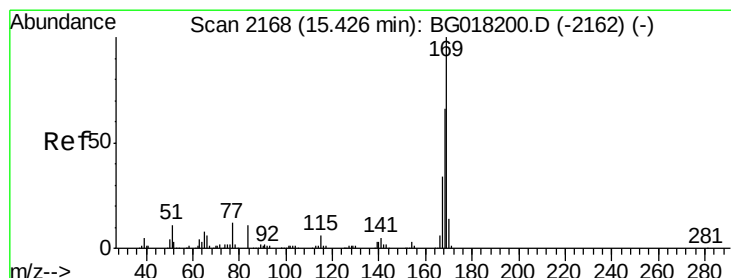
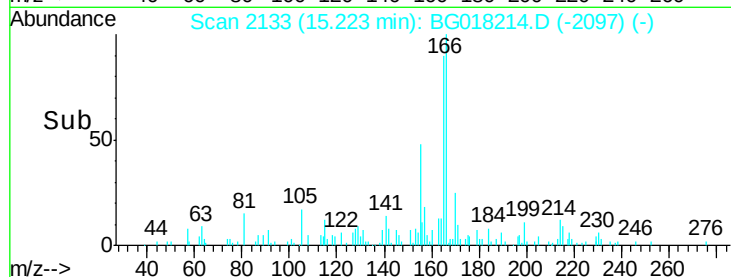
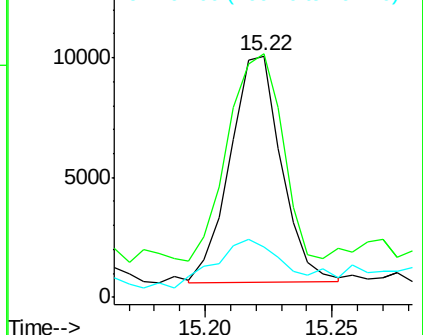
167 21.0 11.8 17.6#



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



#65

N-Nitrosodiphenylamine

Concen: 2.73 ng/ul

RT: 15.45 min Scan# 2171

Delta R.T. 0.02 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

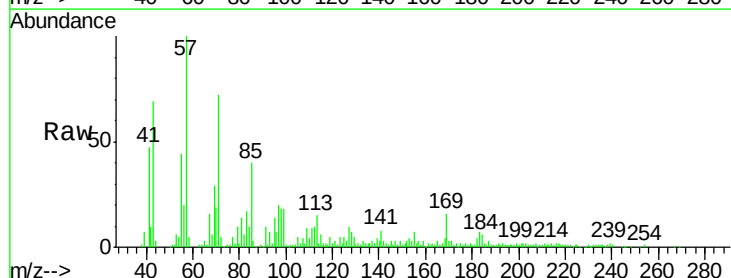
Tgt Ion:169 Resp: 13942

Ion Ratio Lower Upper

169 100

168 28.2 51.8 77.6#

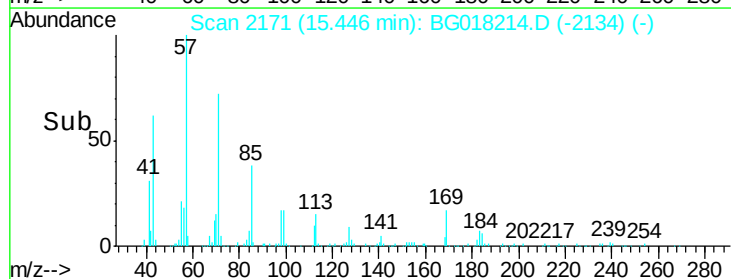
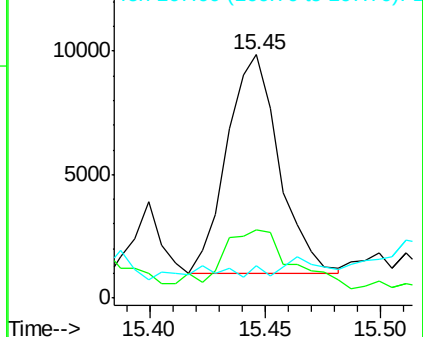
167 13.4 27.7 41.5#

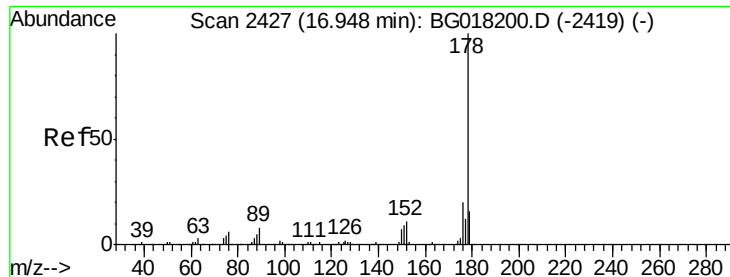


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 8.47 ng/ul

RT: 16.96 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

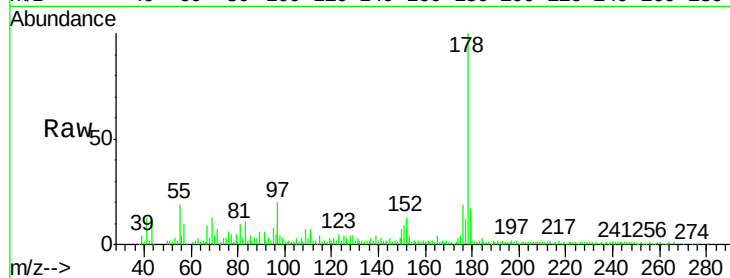
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 84777

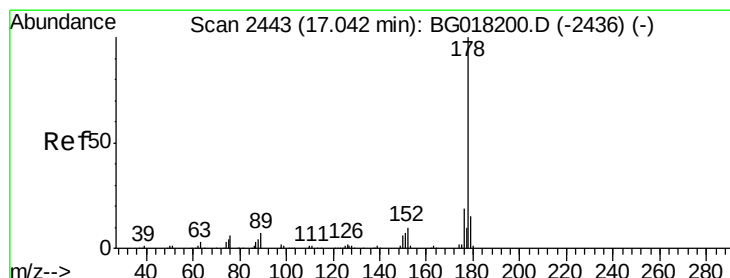
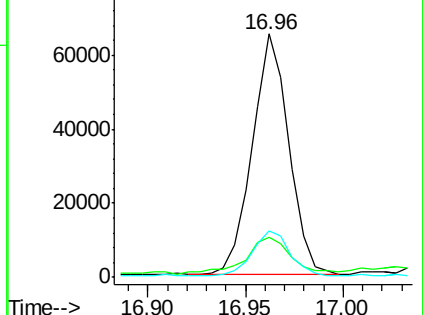
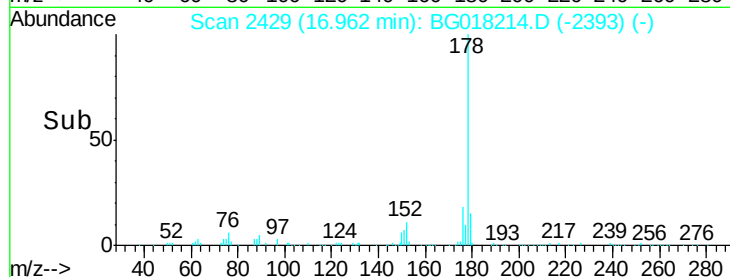
Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.8	19.2
176	19.1	16.0	24.0



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: 8.52 ng/ul

RT: 16.96 min Scan# 2429

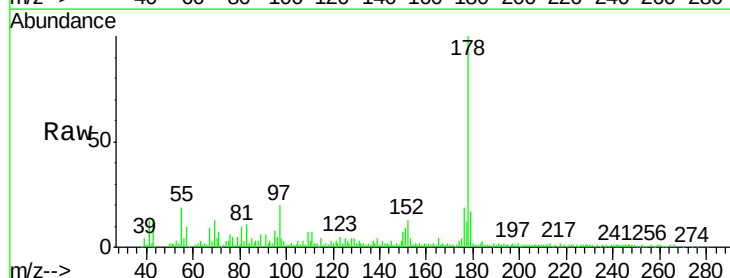
Delta R.T. -0.08 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Tgt Ion:178 Resp: 84777

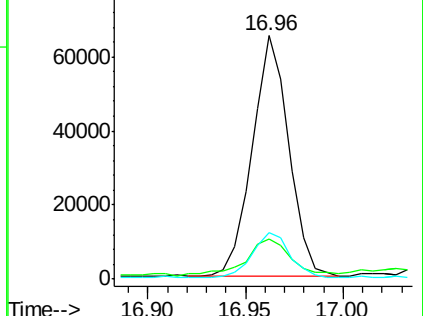
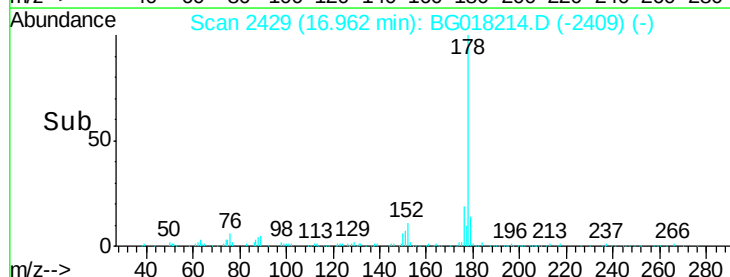
Ion	Ratio	Lower	Upper
178	100		
179	16.6	12.2	18.2
176	19.1	14.8	22.2

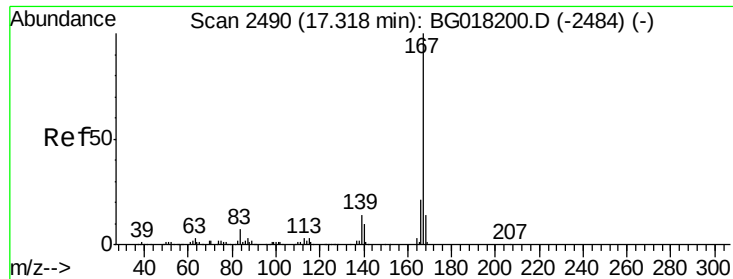


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.28 ng/ul

RT: 17.33 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

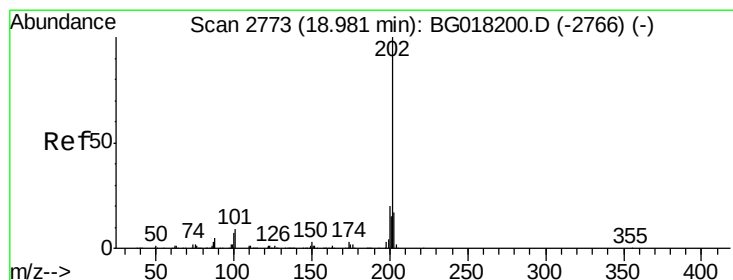
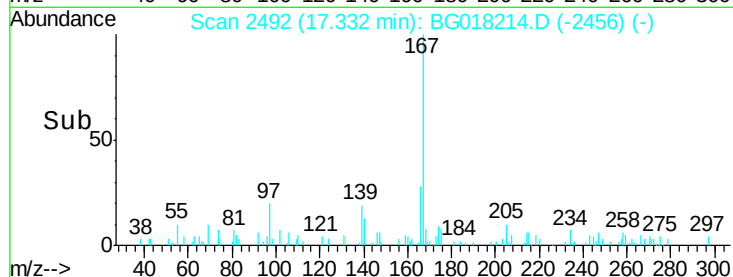
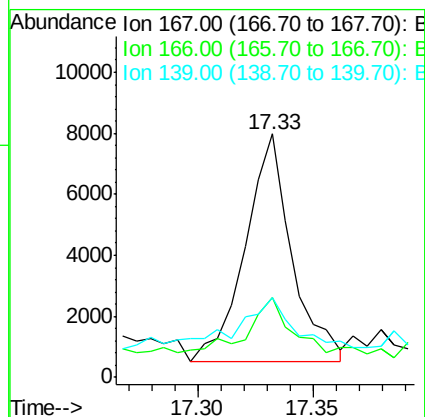
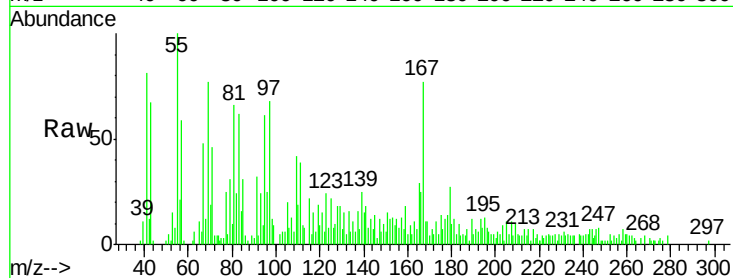
Tot Ion:167 Resp: 10574

Ion Ratio Lower Upper

167 100

166 32.8 17.5 26.3#

139 33.0 10.1 15.1#



#77

Fluoranthene

Concen: 17.83 ng/ul

RT: 18.99 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

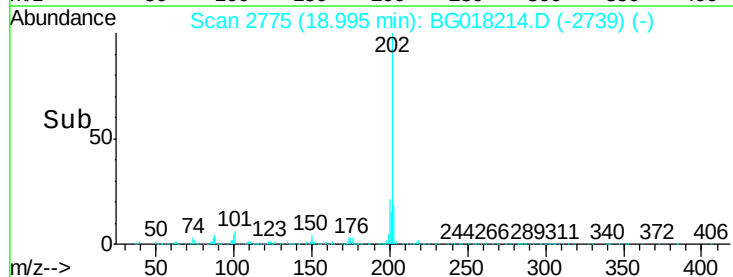
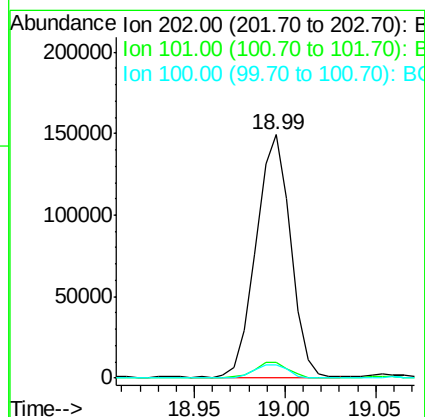
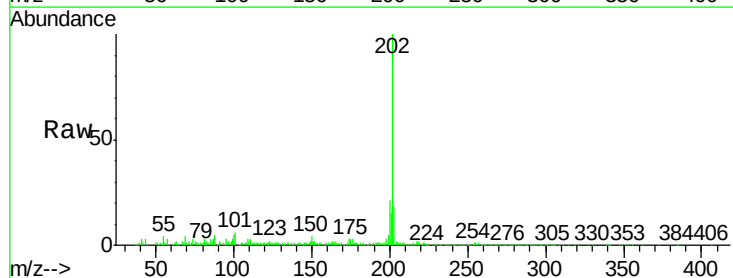
Tgt Ion:202 Resp: 195912

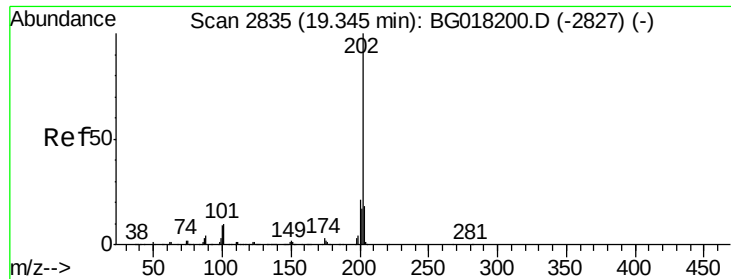
Ion Ratio Lower Upper

202 100

101 6.3 7.5 11.3#

100 5.3 5.5 8.3#

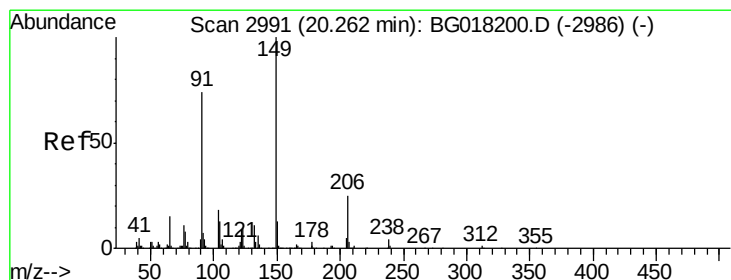
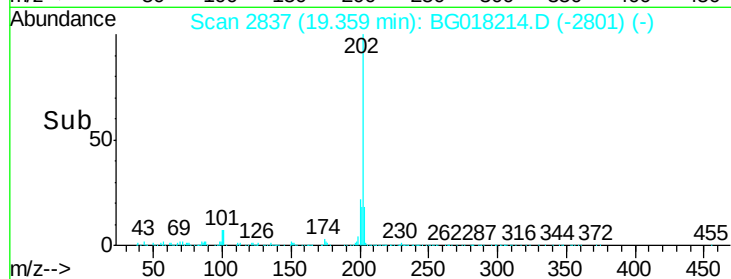
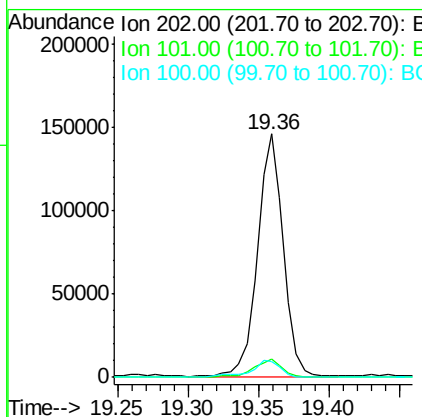
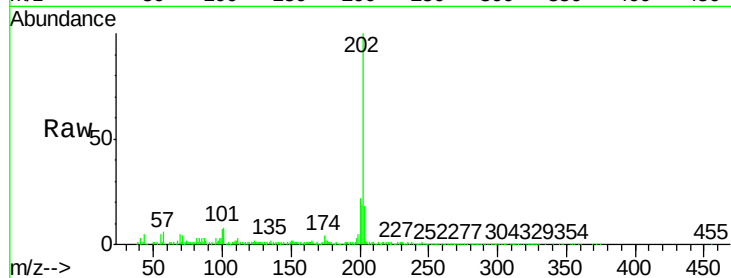




#80
Pvrene
Concen: 14.05 ng/ul
RT: 19.36 min Scan# 2837
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

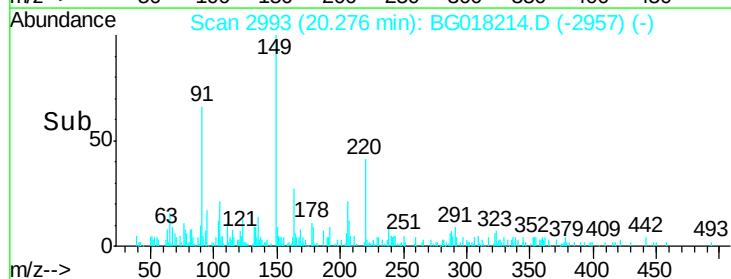
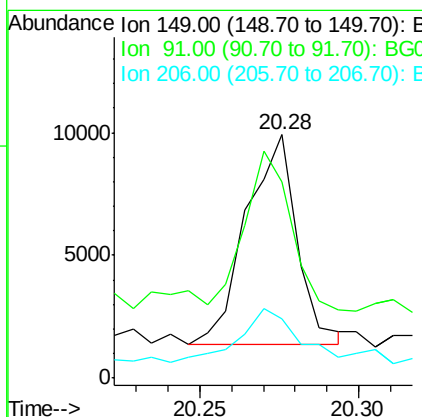
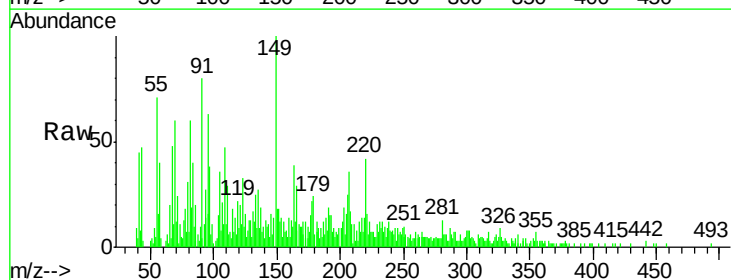
Instrument :
BNA_G
ClientSampleId :

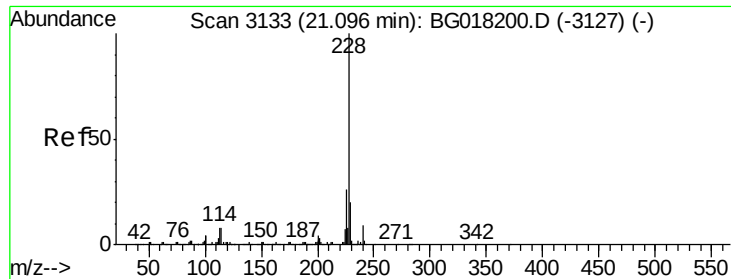
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.5	8.1	12.1#
100	6.7	7.4	11.0#



#81
Butylbenzylphthalate
Concen: 1.74 ng/ul
RT: 20.28 min Scan# 2993
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Lower	Upper
149	100		
91	80.4	46.6	69.8#
206	24.5	21.8	32.8

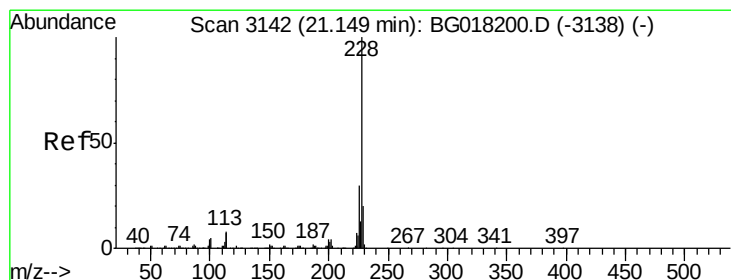
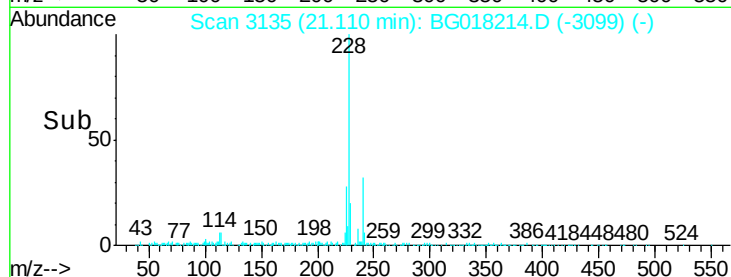
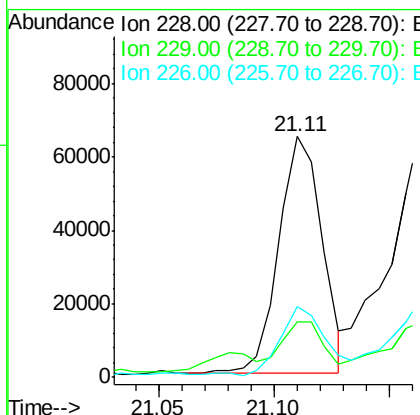
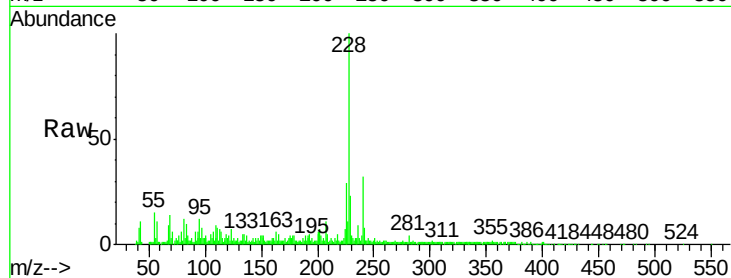




#83
Benzo(a)anthracene
Concen: 7.11 ng/ul
RT: 21.11 min Scan# 3135
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

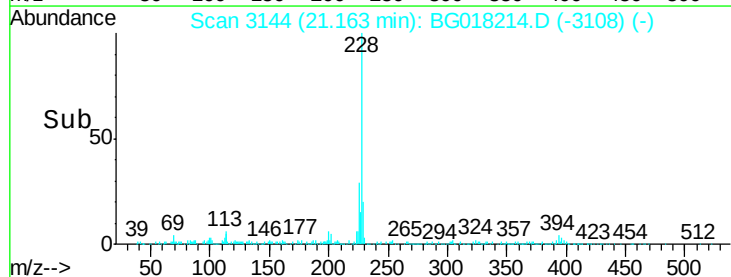
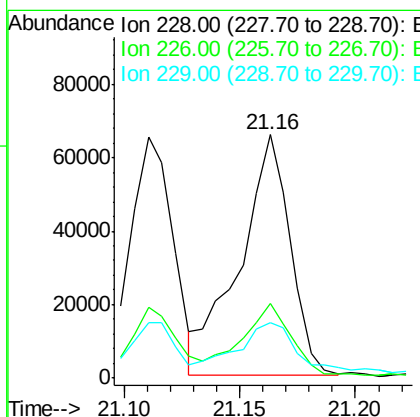
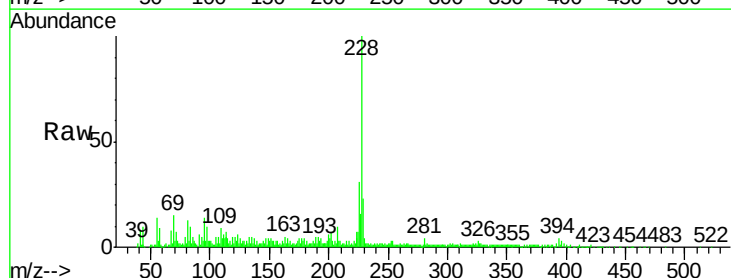
Instrument :
BNA_G
ClientSampleId :

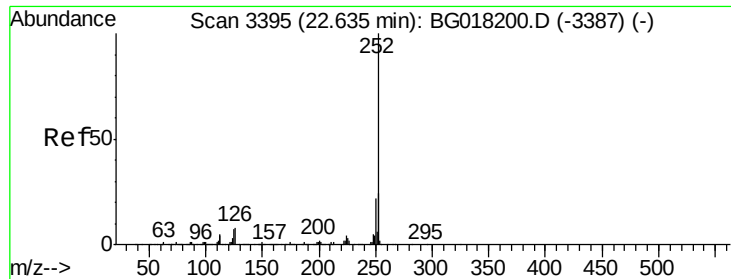
Tot Ion	Ratio	Lower	Upper
228	100		
229	23.0	16.5	24.7
226	29.2	21.5	32.3



#85
Chrysene
Concen: 9.22 ng/ul
RT: 21.16 min Scan# 3144
Delta R.T. 0.01 min
Lab File: BG018214.D
Acq: 1 Aug 2015 11:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.7	34.1
229	22.9	16.2	24.2





#88

Benzo(b)fluoranthene

Concen: 13.69 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. 0.03 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

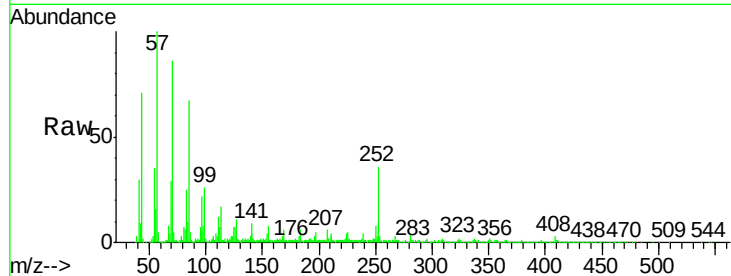
Tot Ion:252 Resp: 182832

Ion Ratio Lower Upper

252 100

253 27.9 18.5 27.7#

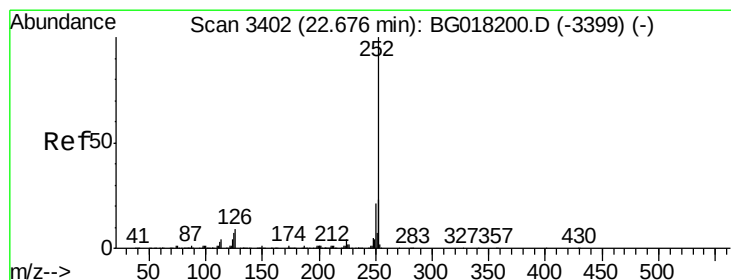
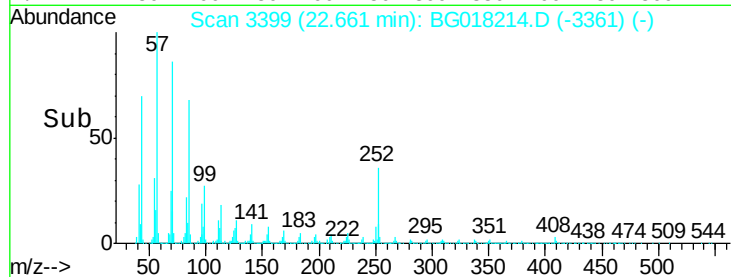
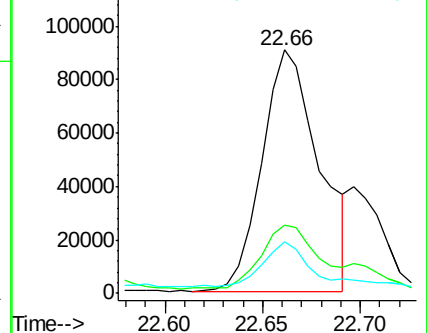
125 20.9 7.4 11.0#



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: 14.90 ng/ul

RT: 22.66 min Scan# 3399

Delta R.T. -0.02 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

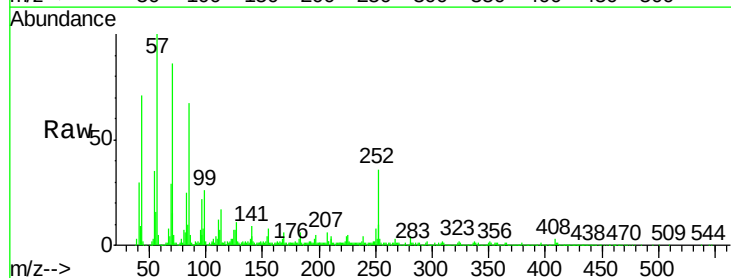
Tgt Ion:252 Resp: 182832

Ion Ratio Lower Upper

252 100

253 27.9 18.2 27.2#

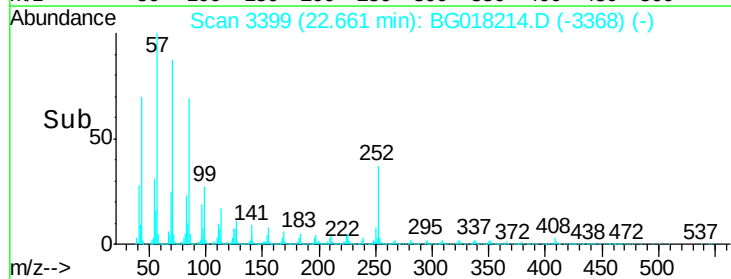
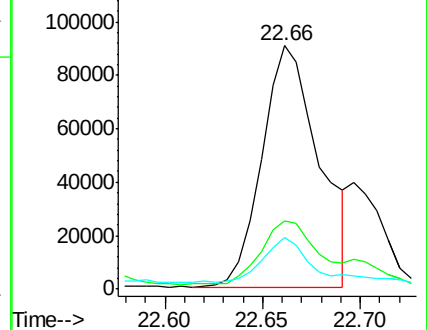
125 20.9 7.5 11.3#

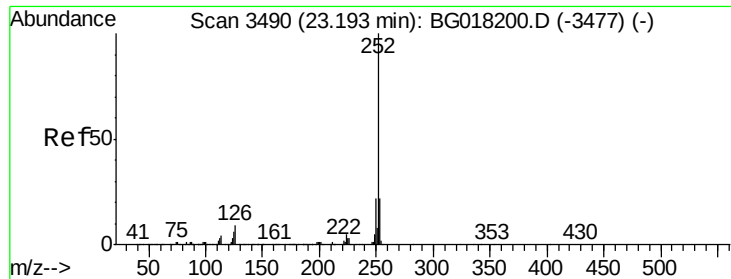


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.89 ng/ul

RT: 23.22 min Scan# 3494

Delta R.T. 0.03 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

Instrument :

BNA_G

ClientSampleId :

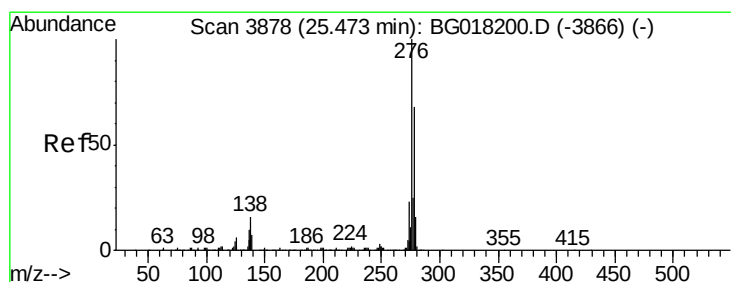
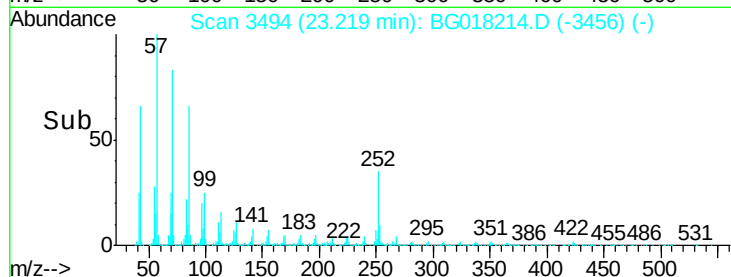
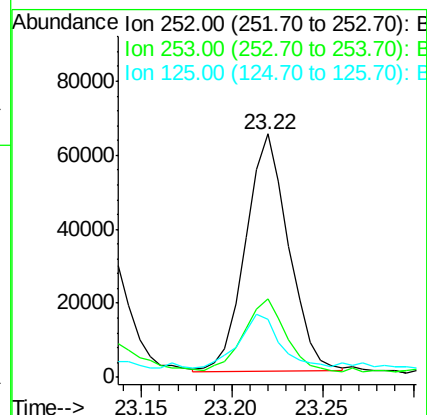
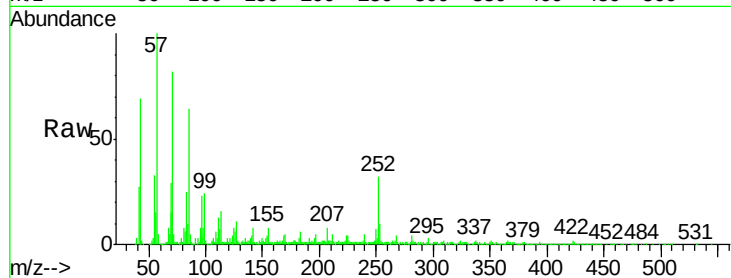
Tot Ion:252 Resp: 106246

Ion Ratio Lower Upper

252 100

253 32.0 17.4 26.2#

125 23.7 7.3 10.9#



#92

Indeno(1,2,3-cd)pyrene

Concen: 4.14 ng/ul

RT: 25.52 min Scan# 3886

Delta R.T. 0.05 min

Lab File: BG018214.D

Acq: 1 Aug 2015 11:03

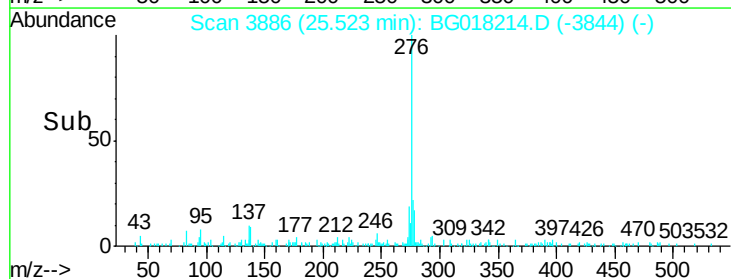
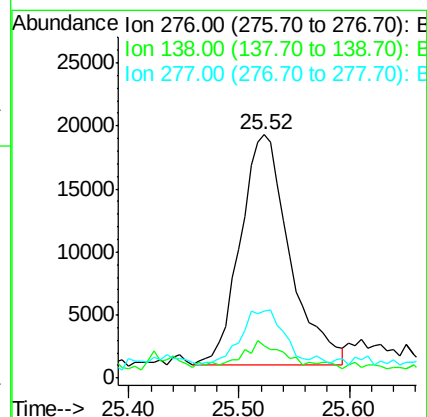
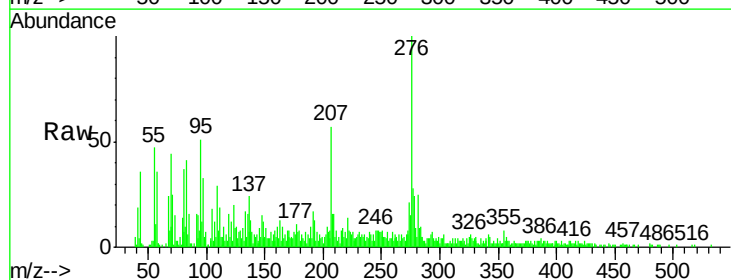
Tgt Ion:276 Resp: 57226

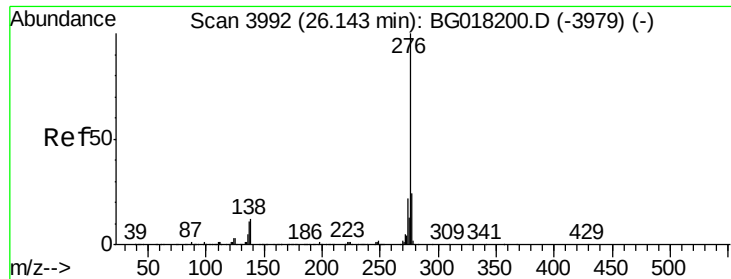
Ion Ratio Lower Upper

276 100

138 13.3 17.2 25.8#

277 27.6 19.5 29.3

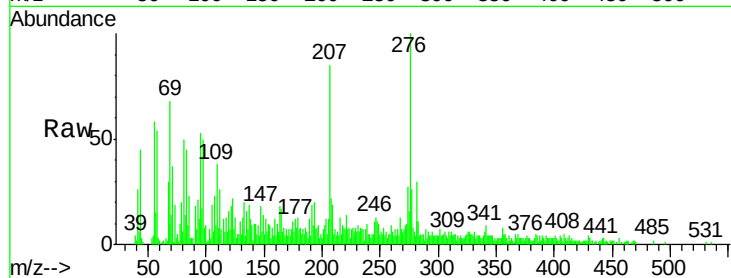




#94
 Benzo(a,h,i)perylene
 Concen: 3.70 ng/ul
 RT: 26.20 min Scan# 4001
 Delta R.T. 0.06 min
 Lab File: BG018214.D
 Acq: 1 Aug 2015 11:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	12.3	15.1	22.7	
277	26.2	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

