

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021898.D
 Acq On : 15 May 2016 18:15
 Operator : UM/SJ
 Sample : H3096-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG5

Quant Time: May 16 01:30:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56009	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	283130	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	172903	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	373508	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	370553	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	374309	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2864	2.47	ng/uL	0.00
5) Phenol-d5	7.32	99	55546	13.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	31607	15.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	57721	17.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	34596	9.91	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	30992	16.65	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	34338	29.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	60431	18.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	50409	14.08	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	214895	17.69	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	293436	17.02	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	9726	4.67	ng/ul	0.01
58) Fluorene-d10	15.78	176	202310	15.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	20909	20.21	ng/ul	0.00
71) Anthracene-d10	17.63	188	290056	15.95	ng/ul	0.00
77) Pyrene-d10	19.91	212	317923	18.33	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	298325	16.77	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	11.04	128	58484	4.12	ng/ul	99
30) 4-Chloroaniline	11.04	127	7342	2.03	ng/ul#	11
34) 2-Methylnaphthalene	12.63	142	14702	1.41	ng/ul	97
35) 1-Methylnaphthalene	12.85	142	11285	1.09	ng/ul#	94
45) Dimethylphthalate	14.23	163	43532	3.52	ng/ul	98
50) Acenaphthene	14.86	153	57172	4.66	ng/ul	98
59) Fluorene	15.84	166	33082	2.32	ng/ul	96
69) Pentachlorophenol	17.19	266	2908	1.69	ng/ul#	76
70) Phenanthrene	17.58	178	583624	28.58	ng/ul	97
72) Anthracene	17.67	178	108887	5.25	ng/ul	98
73) Carbazole	17.93	167	89926	5.00	ng/ul#	96
75) Fluoranthene	19.58	202	911663	39.29	ng/ul#	94
78) Pyrene	19.58	202	911663	42.52	ng/ul	97
81) Benzo(a)anthracene	21.80	228	434693	21.08	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.68	149	108194	13.98	ng/ul	98
83) Chrysene	21.86	228	403320	19.77	ng/ul	95
86) Benzo(b)fluoranthene	24.10	252	663646	30.97	ng/ul#	95
87) Benzo(k)fluoranthene	24.10	252	663646	28.93	ng/ul#	94
89) Benzo(a)pyrene	25.00	252	436090	20.45	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	28.97	276	332049	13.14	ng/ul	95
92) Benzo(a,h,i)perylene	30.17	276	310367	14.88	ng/ul#	93

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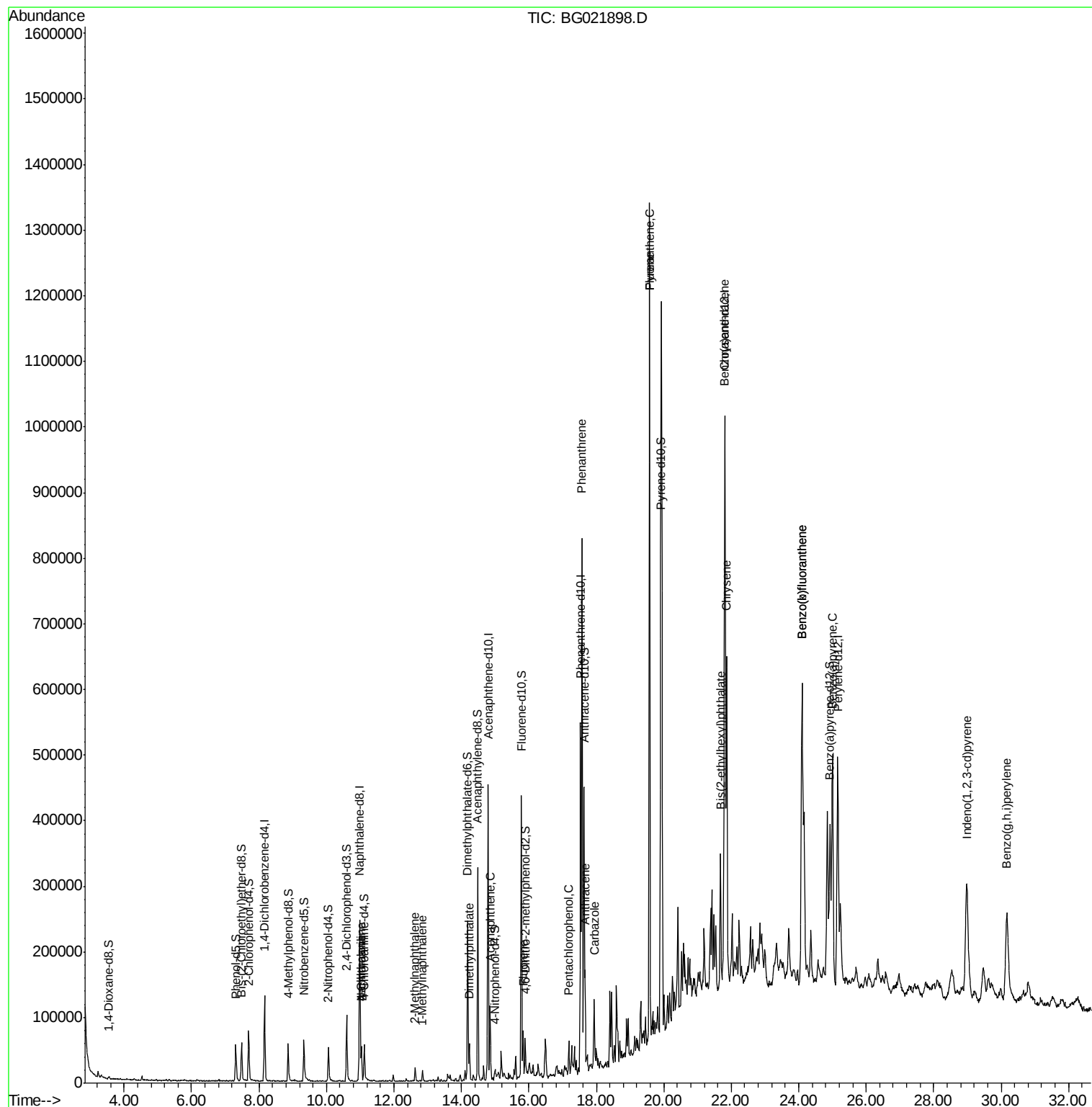
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

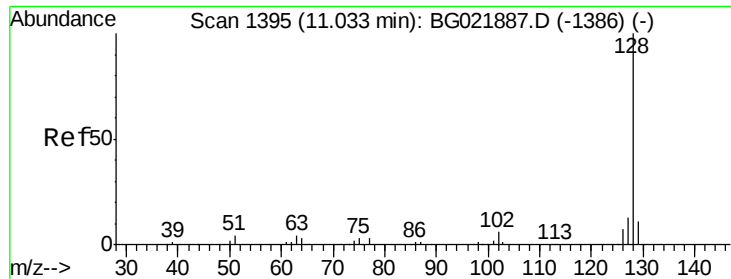
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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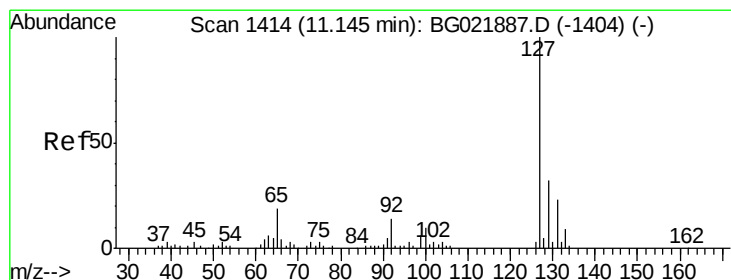
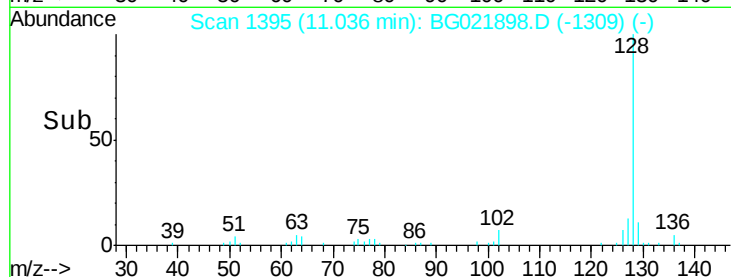
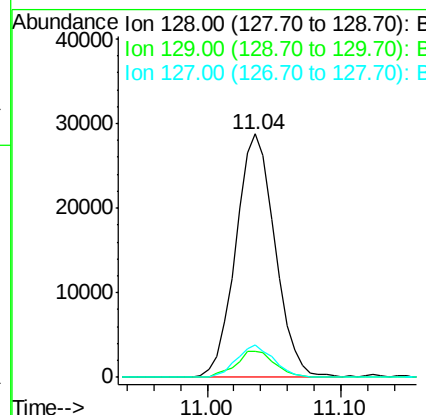
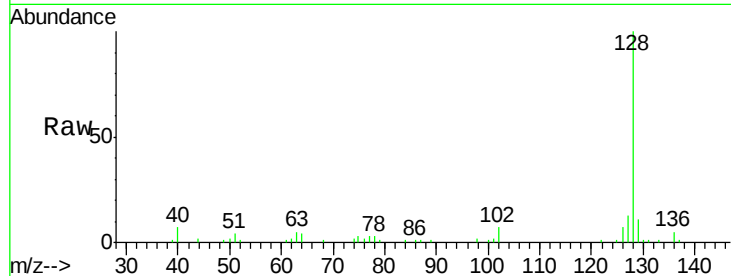




#28
Naphthalene
Concen: 4.12 ng/ul
RT: 11.04 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

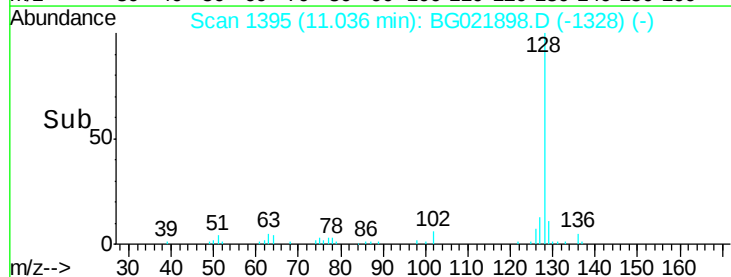
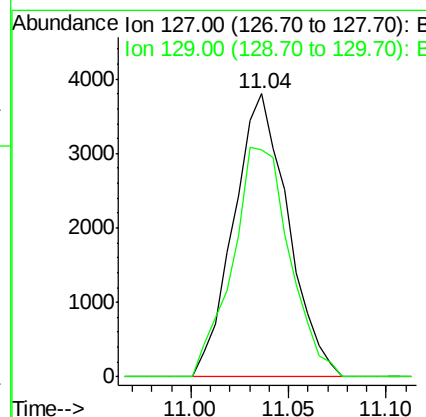
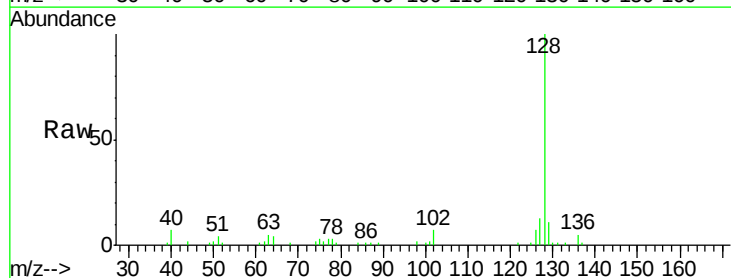
Instrument :
BNA_G
ClientSampleId :
D9XG5

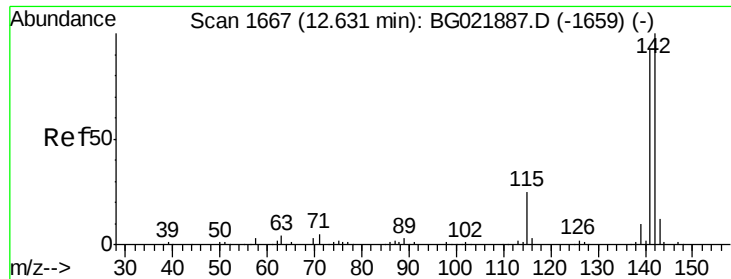
Tot Ion:128 Resp: 58484
Ion Ratio Lower Upper
128 100
129 10.6 8.3 12.5
127 13.2 10.8 16.2



#30
4-Chloroaniline
Concen: 2.03 ng/ul
RT: 11.04 min Scan# 1395
Delta R.T. -0.11 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Tgt Ion:127 Resp: 7342
Ion Ratio Lower Upper
127 100
129 80.0 24.8 37.2#

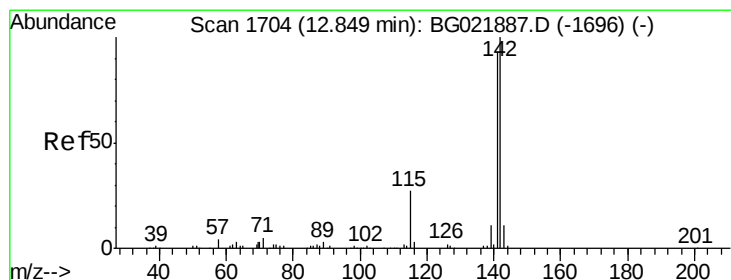
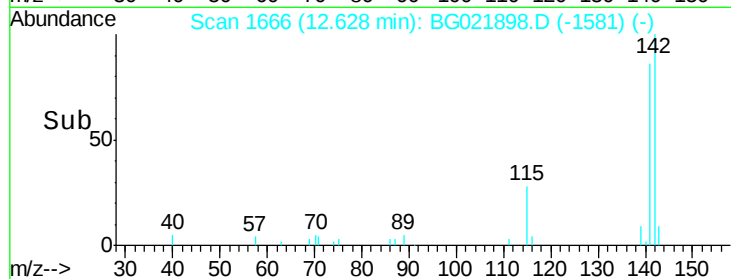
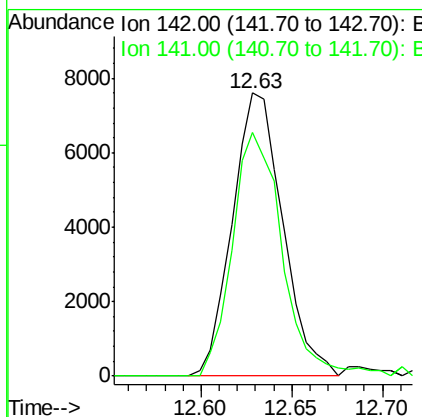
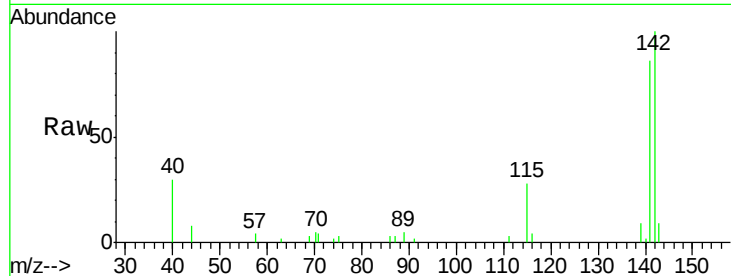




#34
 2-Methylnaphthalene
 Concen: 1.41 ng/ul
 RT: 12.63 min Scan# 1666
 Delta R.T. -0.00 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

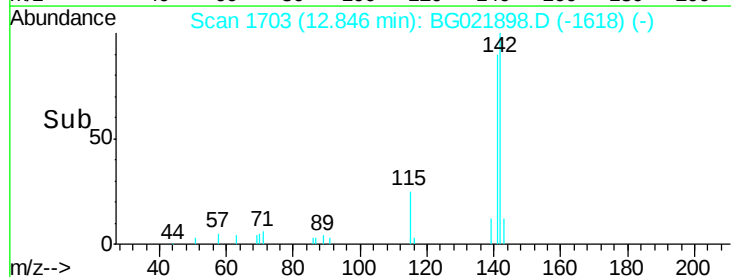
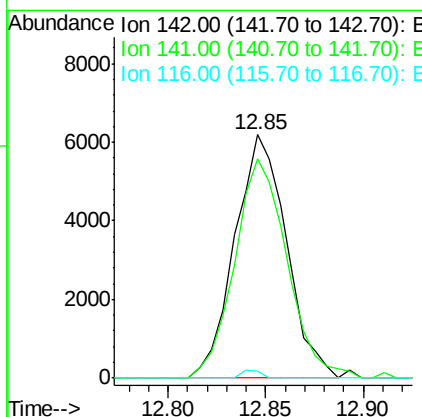
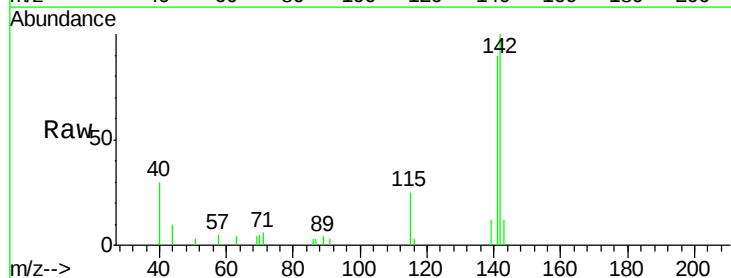
Instrument :
 BNA_G
 ClientSampleId :
 D9XG5

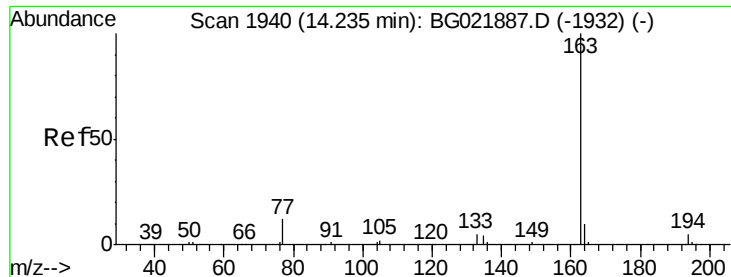
Tot Ion:142 Resp: 14702
 Ion Ratio Lower Upper
 142 100
 141 86.0 71.3 106.9



#35
 1-Methylnaphthalene
 Concen: 1.09 ng/ul
 RT: 12.85 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG021898.D
 Acq: 15 May 2016 18:15

Tgt Ion:142 Resp: 11285
 Ion Ratio Lower Upper
 142 100
 141 90.1 77.0 115.4
 116 2.9 4.2 6.4#





#45

Dimethylphthalate

Concen: 3.52 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

D9XG5

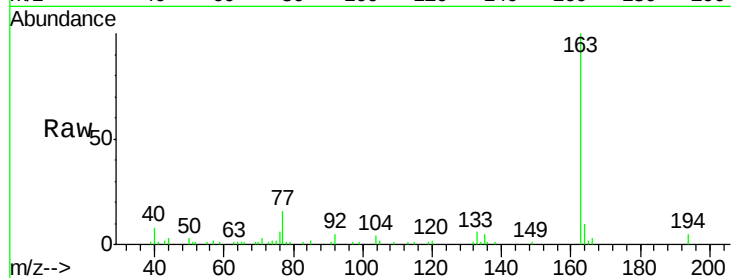
Tot Ion:163 Resp: 43532

Ion Ratio Lower Upper

163 100

194 5.1 3.9 5.9

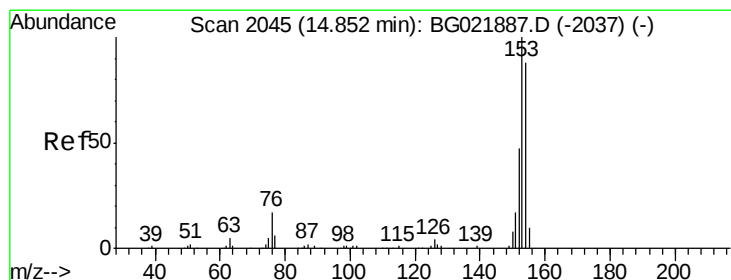
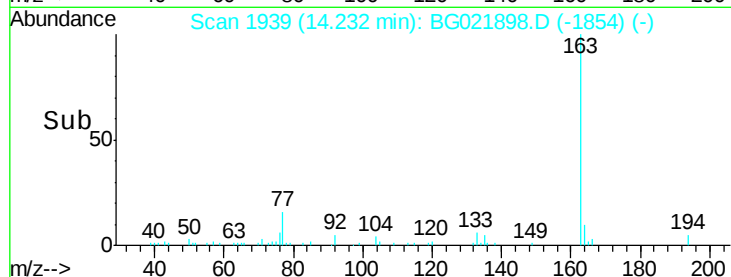
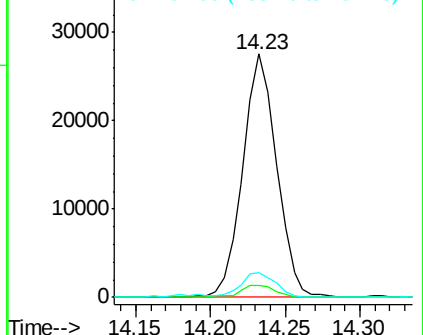
164 10.0 8.7 13.1



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: 4.66 ng/ul

RT: 14.86 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

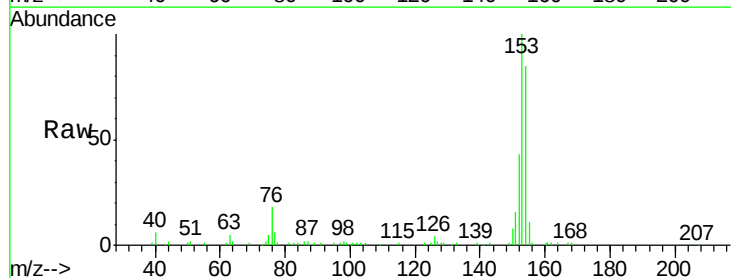
Tgt Ion:153 Resp: 57172

Ion Ratio Lower Upper

153 100

152 43.5 36.5 54.7

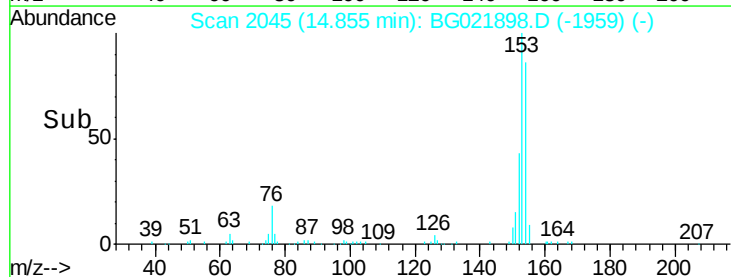
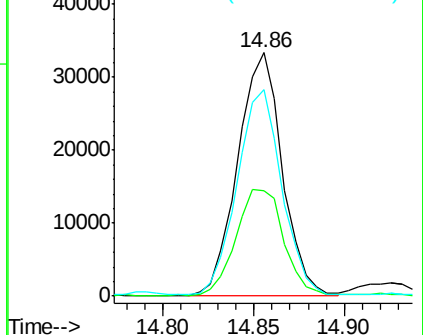
154 84.8 67.3 100.9

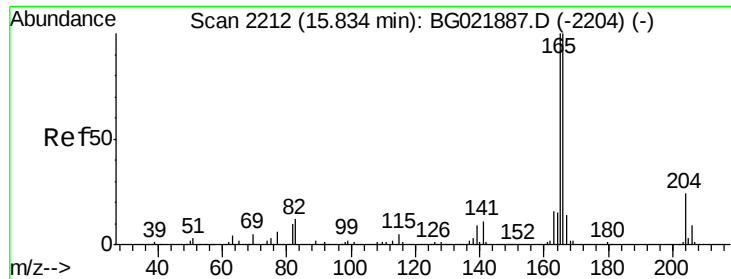


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 2.32 ng/ul

RT: 15.84 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

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ClientSampleId :

D9XG5

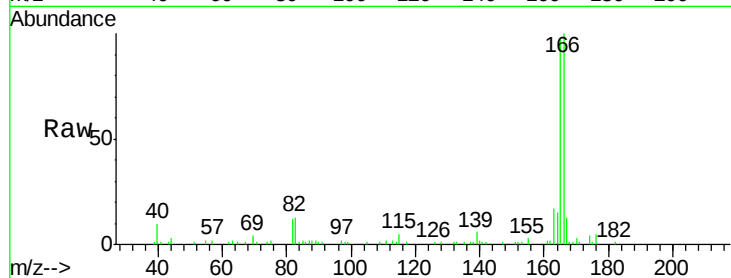
Tot Ion:166 Resp: 33082

Ion Ratio Lower Upper

166 100

165 97.1 81.1 121.7

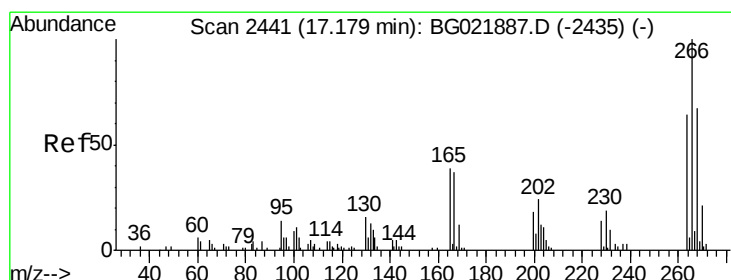
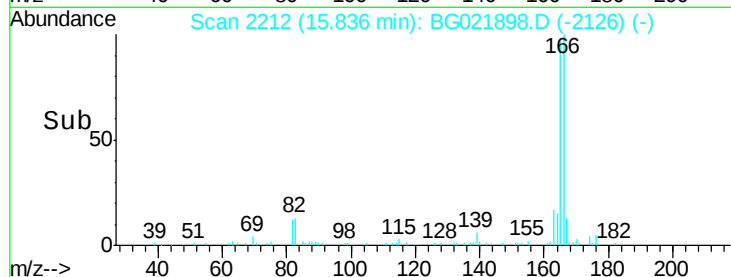
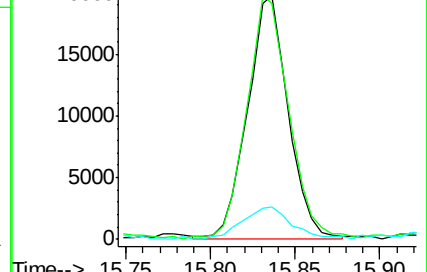
167 13.2 10.6 16.0



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



#69

Pentachlorophenol

Concen: 1.69 ng/ul

RT: 17.19 min Scan# 2442

Delta R.T. 0.01 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

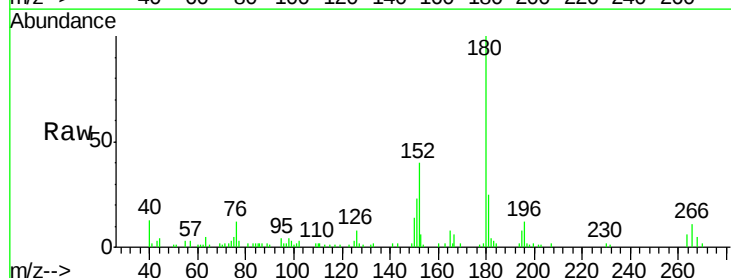
Tgt Ion:266 Resp: 2908

Ion Ratio Lower Upper

266 100

264 54.8 56.7 85.1#

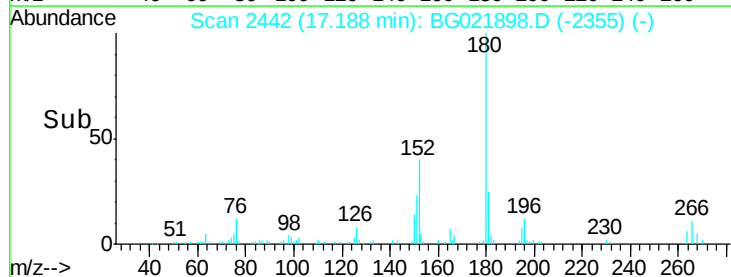
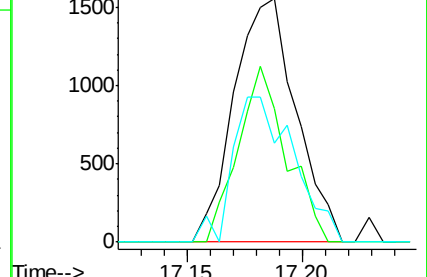
268 40.6 50.6 76.0#

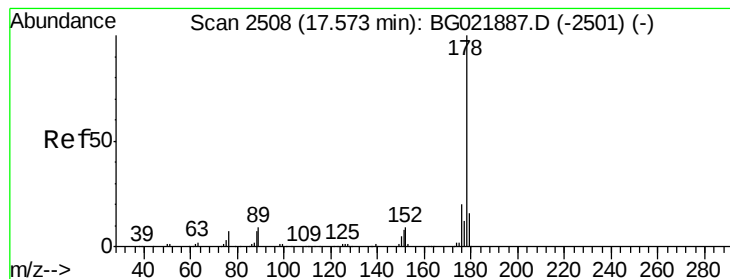


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 28.58 ng/ul

RT: 17.58 min Scan# 2508

Delta R.T. 0.00 min

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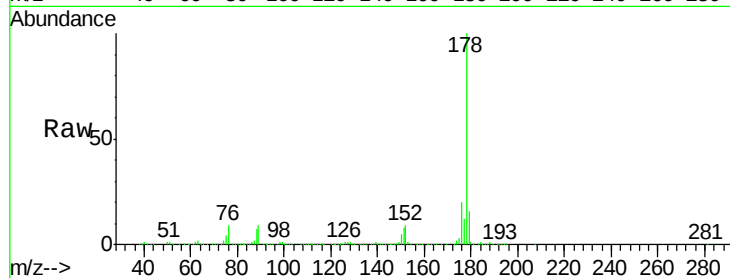
Tot Ion:178 Resp: 583624

Ion Ratio Lower Upper

178 100

179 16.2 11.8 17.8

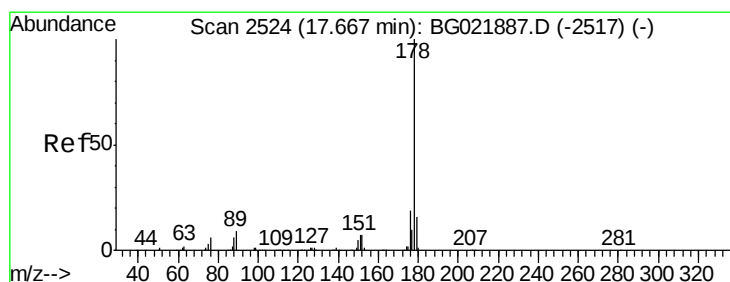
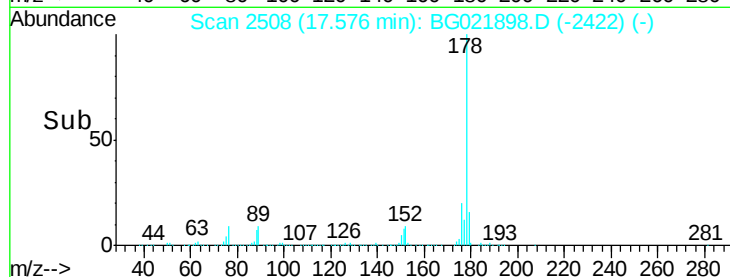
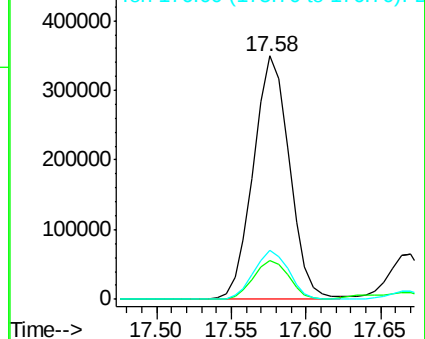
176 20.0 14.8 22.2



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



#72

Anthracene

Concen: 5.25 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

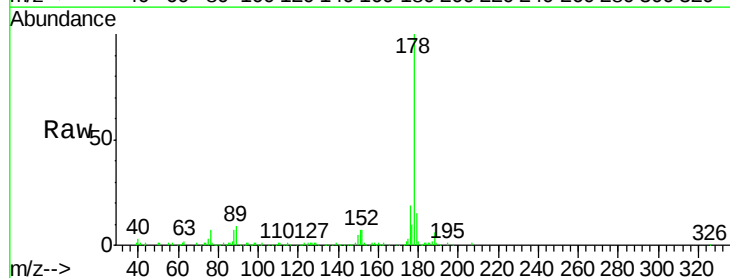
Tgt Ion:178 Resp: 108887

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

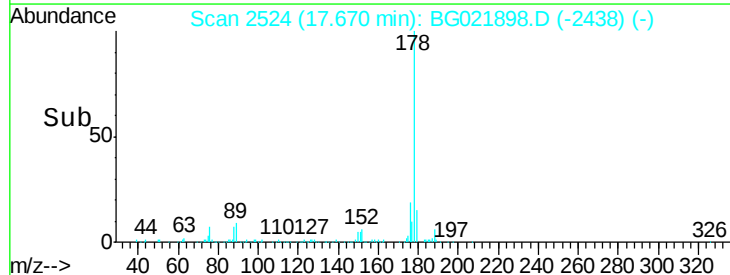
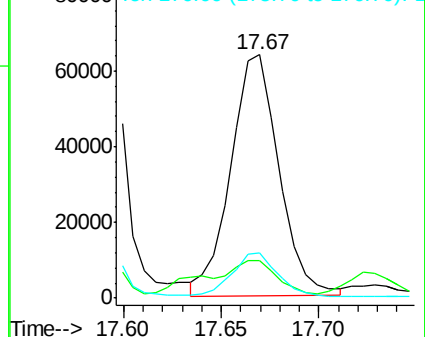
176 18.8 15.6 23.4

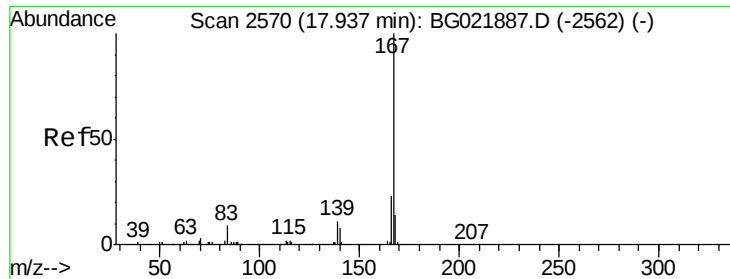


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Carbazole

Concen: 5.00 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. -0.00 min

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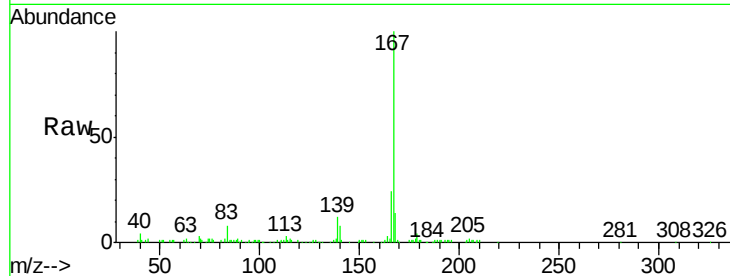
Tot Ion:167 Resp: 89926

Ion Ratio Lower Upper

167 100

166 23.7 19.0 28.4

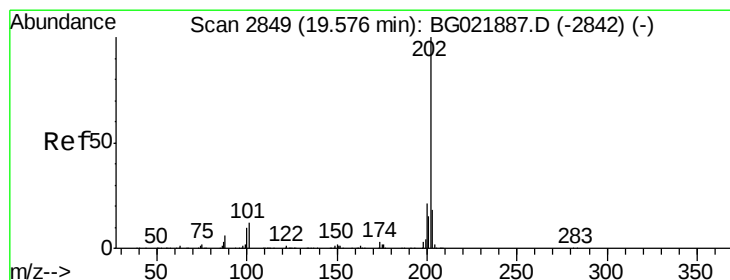
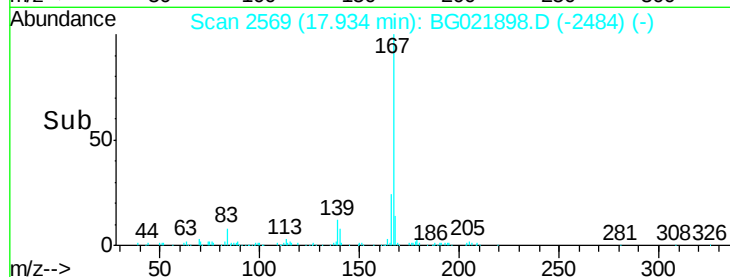
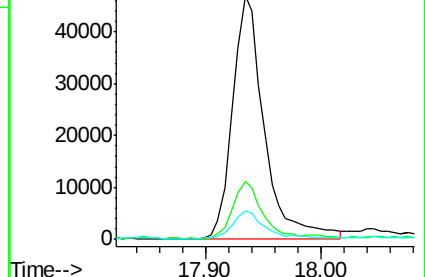
139 11.6 12.2 18.4#



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



#75

Fluoranthene

Concen: 39.29 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

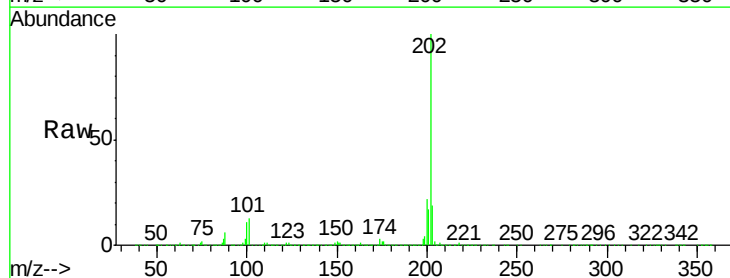
Tgt Ion:202 Resp: 911663

Ion Ratio Lower Upper

202 100

101 13.5 8.9 13.3#

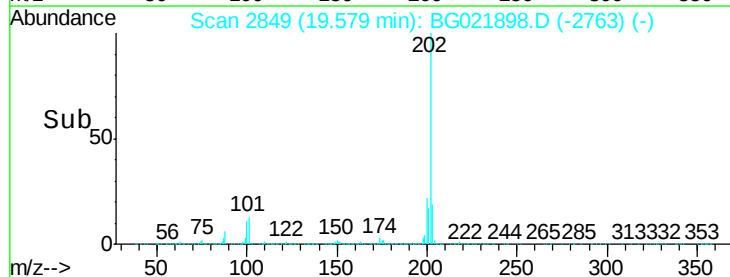
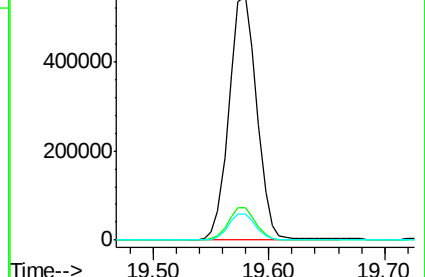
100 10.7 7.0 10.4#

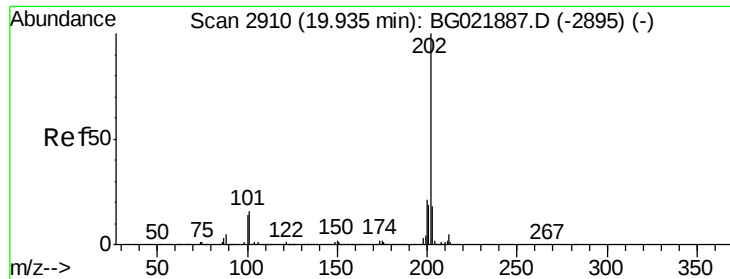


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

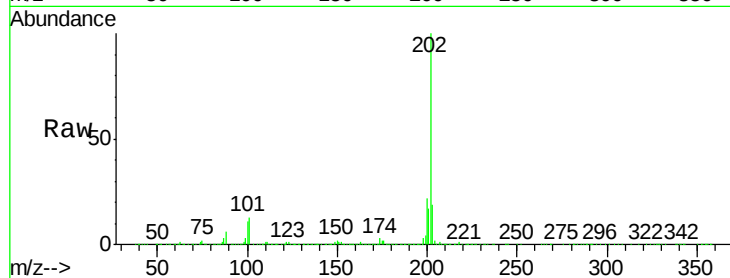




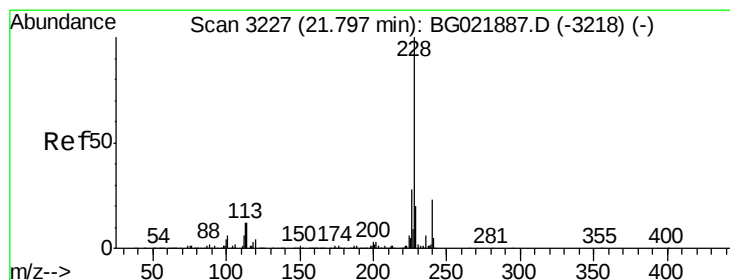
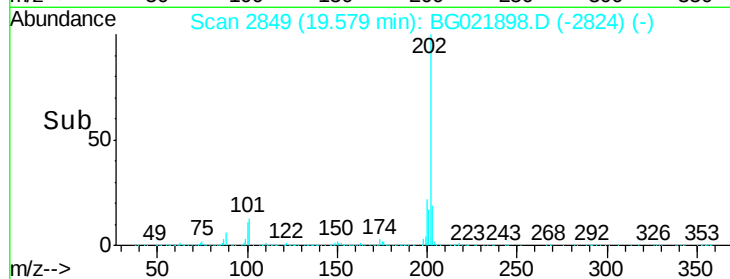
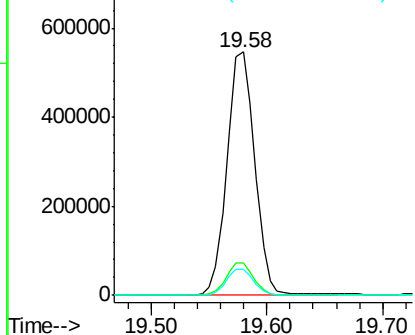
#78
Pvrene
Concen: 42.52 ng/ul
RT: 19.58 min Scan# 2849
Delta R.T. -0.36 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Instrument :
BNA_G
ClientSampleId :
D9XG5

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.8	14.8
100	10.7	9.3	13.9

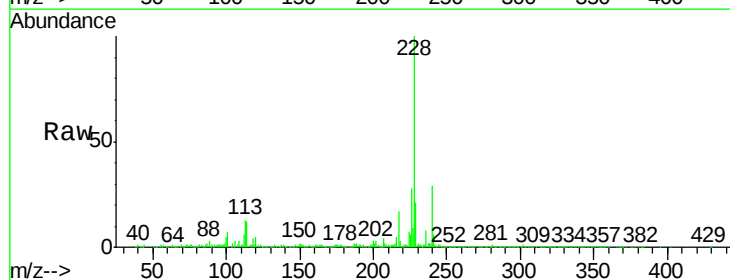


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

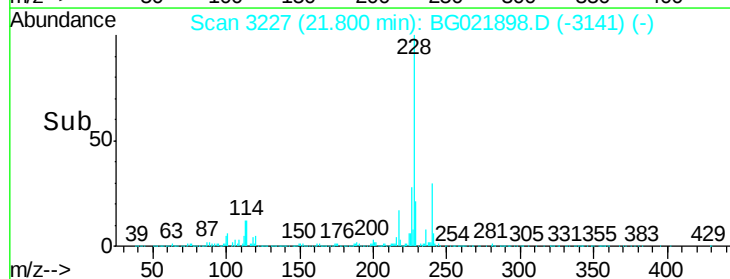
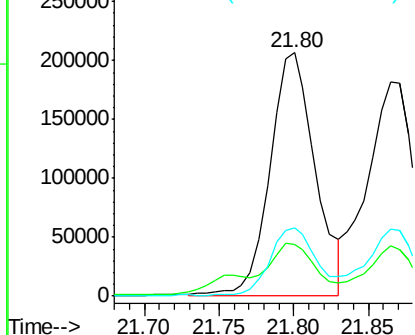


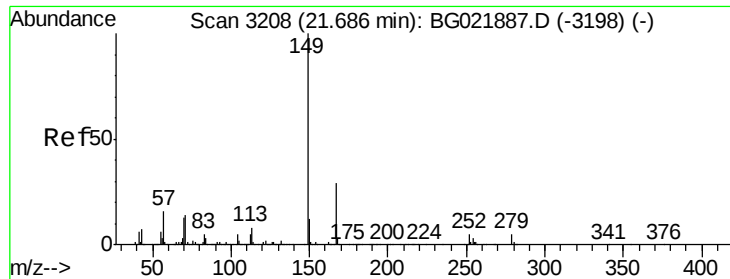
#81
Benzo(a)anthracene
Concen: 21.08 ng/ul
RT: 21.80 min Scan# 3227
Delta R.T. 0.00 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	28.3	21.0	31.4



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





#82

Bis(2-ethylhexyl)phthalate

Concen: 13.98 ng/ul

RT: 21.68 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

D9XG5

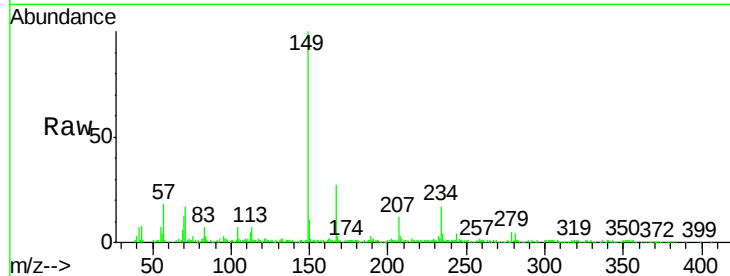
Tot Ion:149 Resp: 108194

Ion Ratio Lower Upper

149 100

167 26.7 20.5 30.7

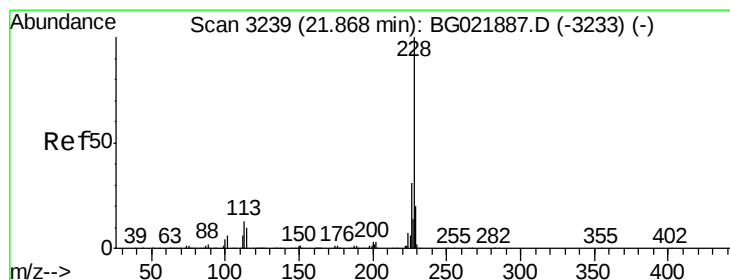
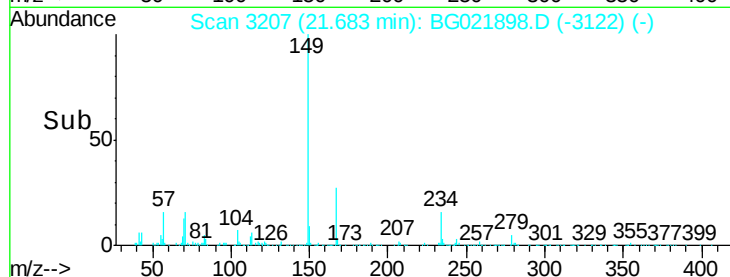
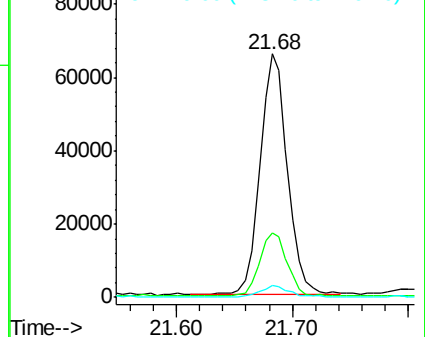
279 5.0 3.7 5.5



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



#83

Chrysene

Concen: 19.77 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

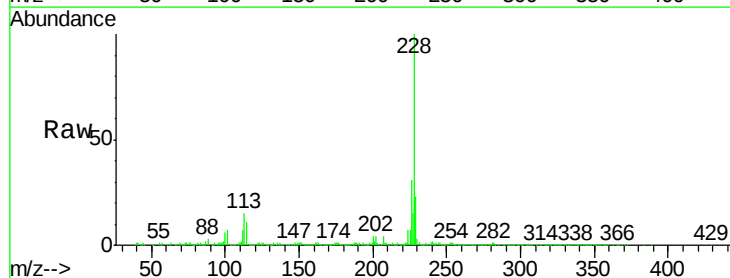
Tgt Ion:228 Resp: 403320

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.2

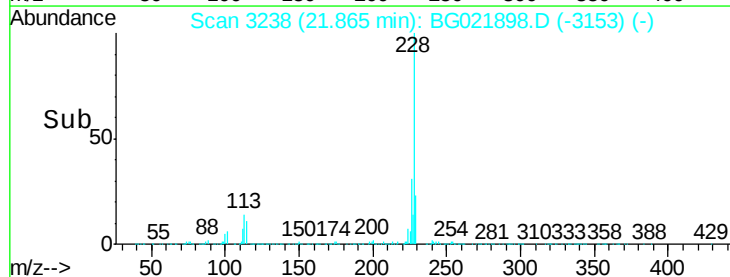
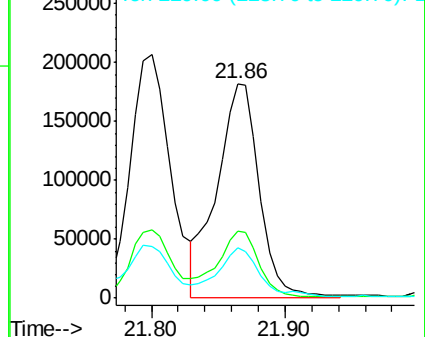
229 23.4 16.2 24.2

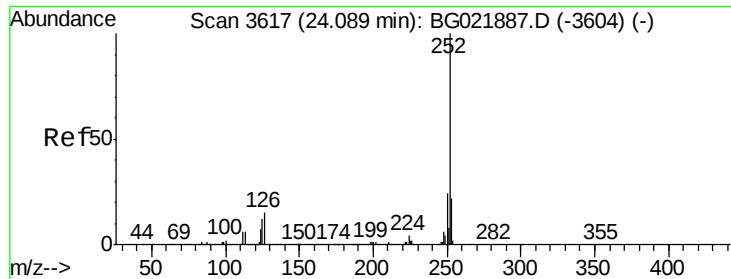


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

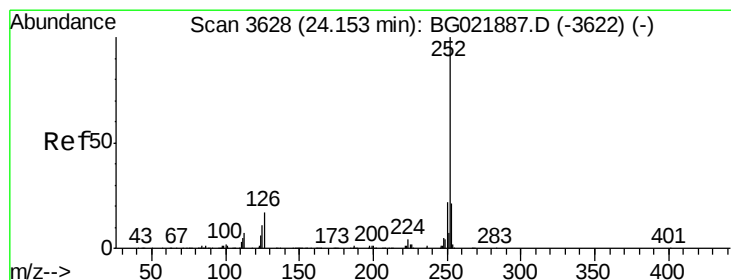
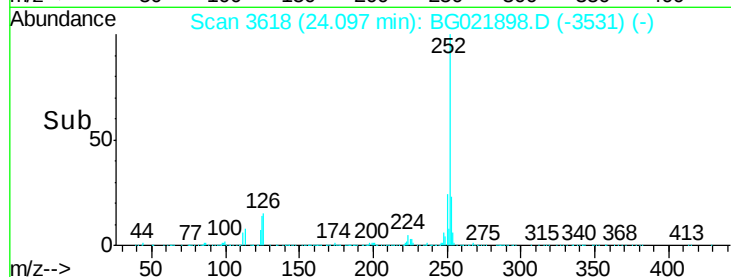
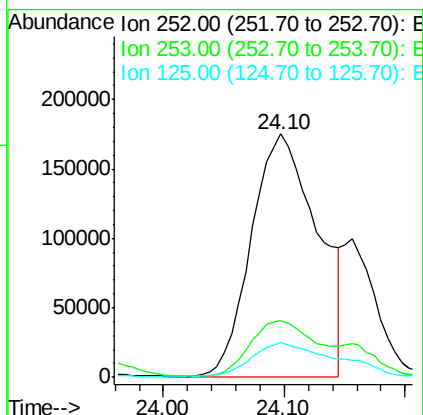
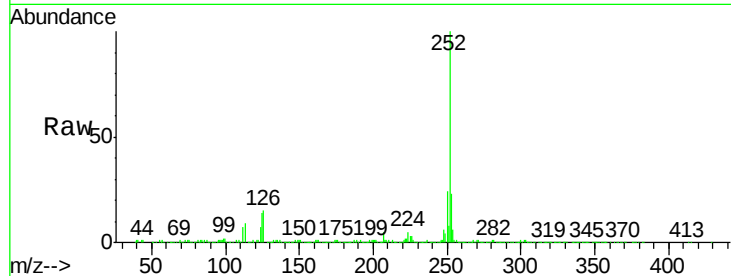




#86
Benzo(b)fluoranthene
Concen: 30.97 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. 0.01 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

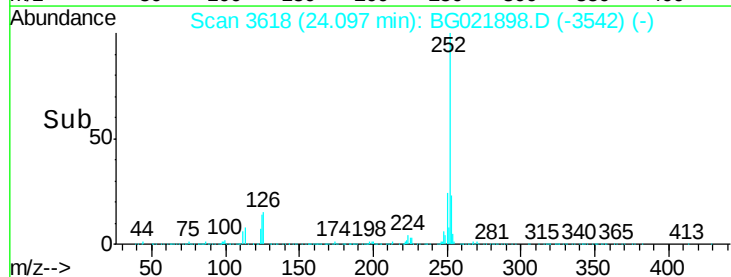
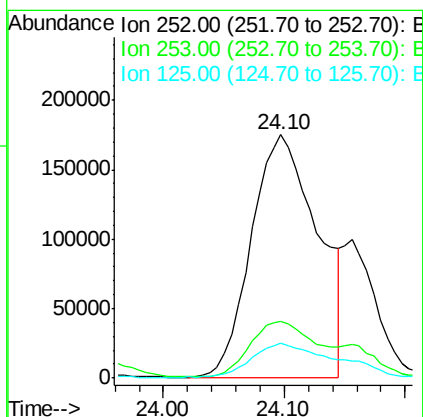
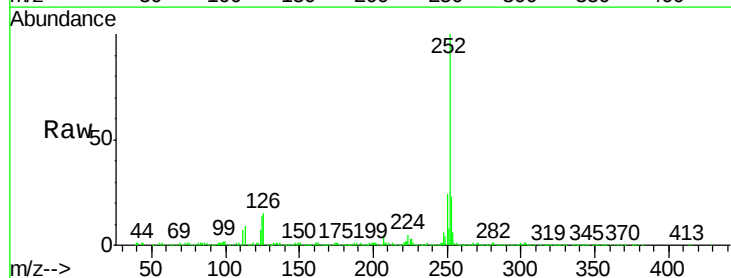
Instrument :
BNA_G
ClientSampleId :
D9XG5

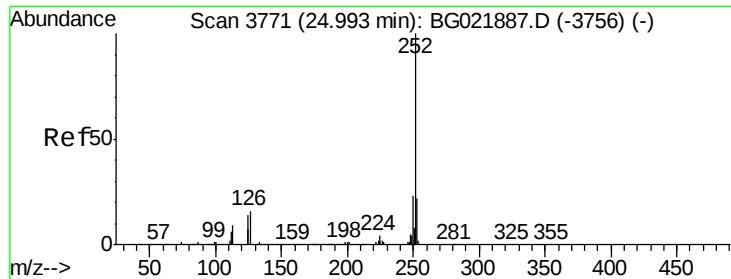
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	14.4	7.6	11.4



#87
Benzo(k)fluoranthene
Concen: 28.93 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. -0.06 min
Lab File: BG021898.D
Acq: 15 May 2016 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	14.4	7.7	11.5





#89

Benzo(a)pyrene

Concen: 20.45 ng/ul

RT: 25.00 min Scan# 3772

Delta R.T. 0.01 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

D9XG5

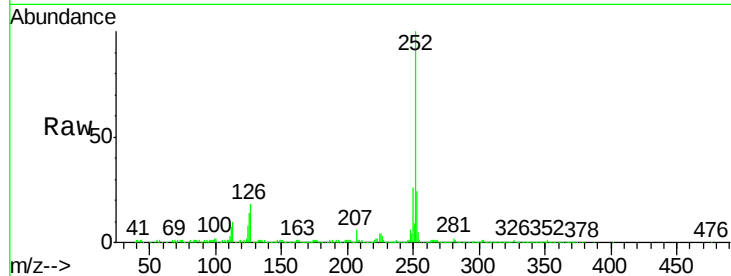
Tot Ion:252 Resp: 436090

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

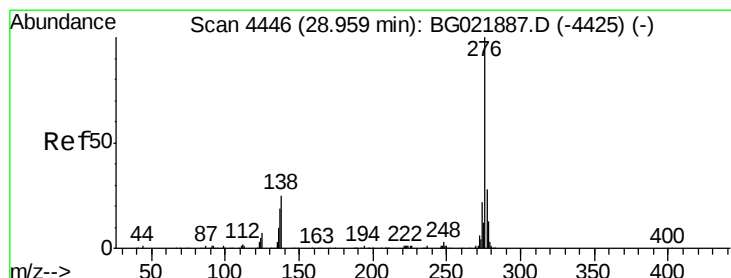
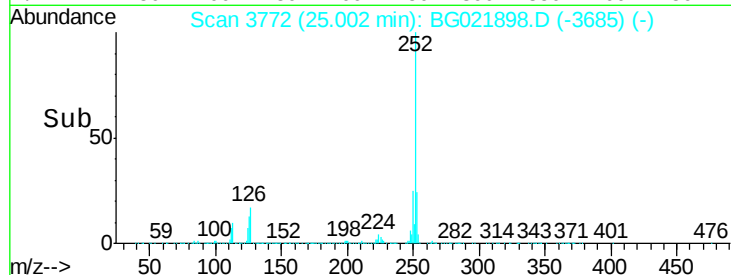
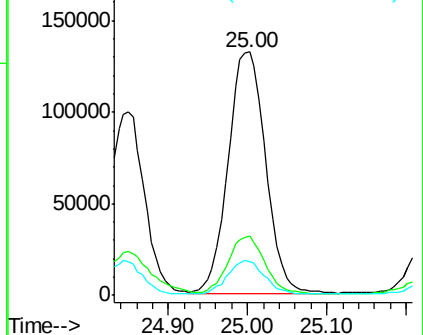
125 13.8 8.2 12.2#



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



#90

Indeno(1,2,3-cd)pyrene

Concen: 13.14 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. 0.01 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

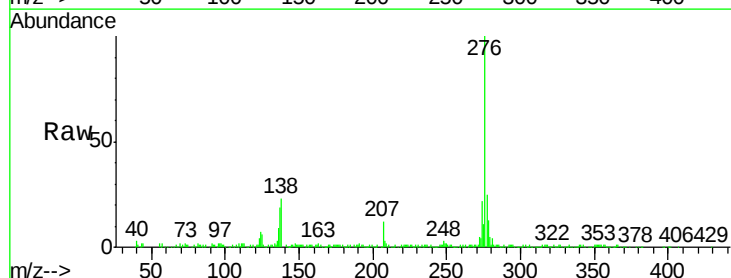
Tgt Ion:276 Resp: 332049

Ion Ratio Lower Upper

276 100

138 23.4 15.8 23.6

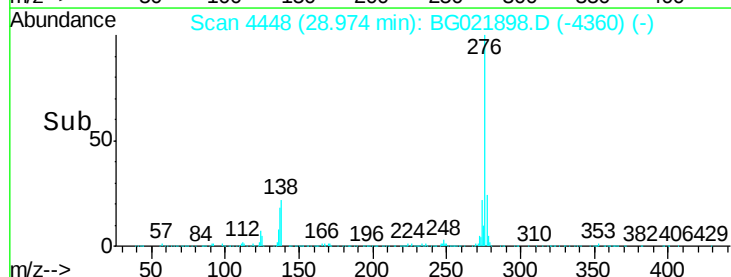
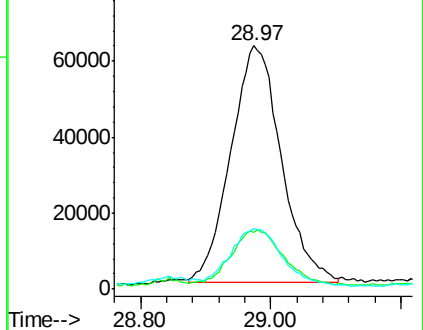
277 24.6 19.0 28.6

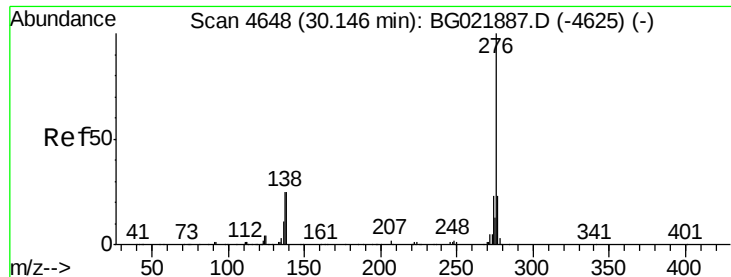


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Benzo(a,h,i)perylene

Concen: 14.88 ng/ul

RT: 30.17 min Scan# 4652

Delta R.T. 0.03 min

Lab File: BG021898.D

Acq: 15 May 2016 18:15

Instrument :

BNA_G

ClientSampleId :

D9XG5

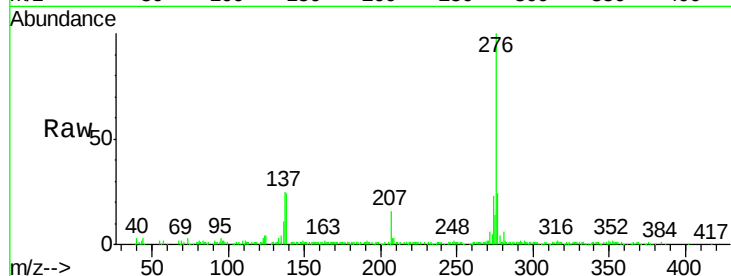
Tot Ion: 276 Resp: 310367

Ion Ratio Lower Upper

276 100

138 24.1 13.9 20.9#

277 24.2 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

