

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021916.D
 Acq On : 16 May 2016 21:25
 Operator : UM/SJ
 Sample : H3095-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XE4

Quant Time: May 17 01:37:56 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	62808	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	294363	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	167953	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	339154	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	329001	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	322498	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5074	3.90	ng/uL	0.00
5) Phenol-d5	7.32	99	109200	23.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	49978	21.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	99744	27.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	91095	23.27	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	50118	25.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	55724	45.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	97833	28.31	ng/ul	0.00
29) 4-Chloroaniline-d4	11.28	131	429	0.12	ng/ul	0.16
44) Dimethylphthalate-d6	14.19	166	295344	25.04	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	412156	24.61	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	34554	17.09	ng/ul	0.01
58) Fluorene-d10	15.78	176	276130	22.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	28884	30.74	ng/ul	0.00
71) Anthracene-d10	17.64	188	377238	22.85	ng/ul	0.00
77) Pyrene-d10	19.92	212	389735	25.31	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	365985	23.88	ng/ul	0.02

Target Compounds

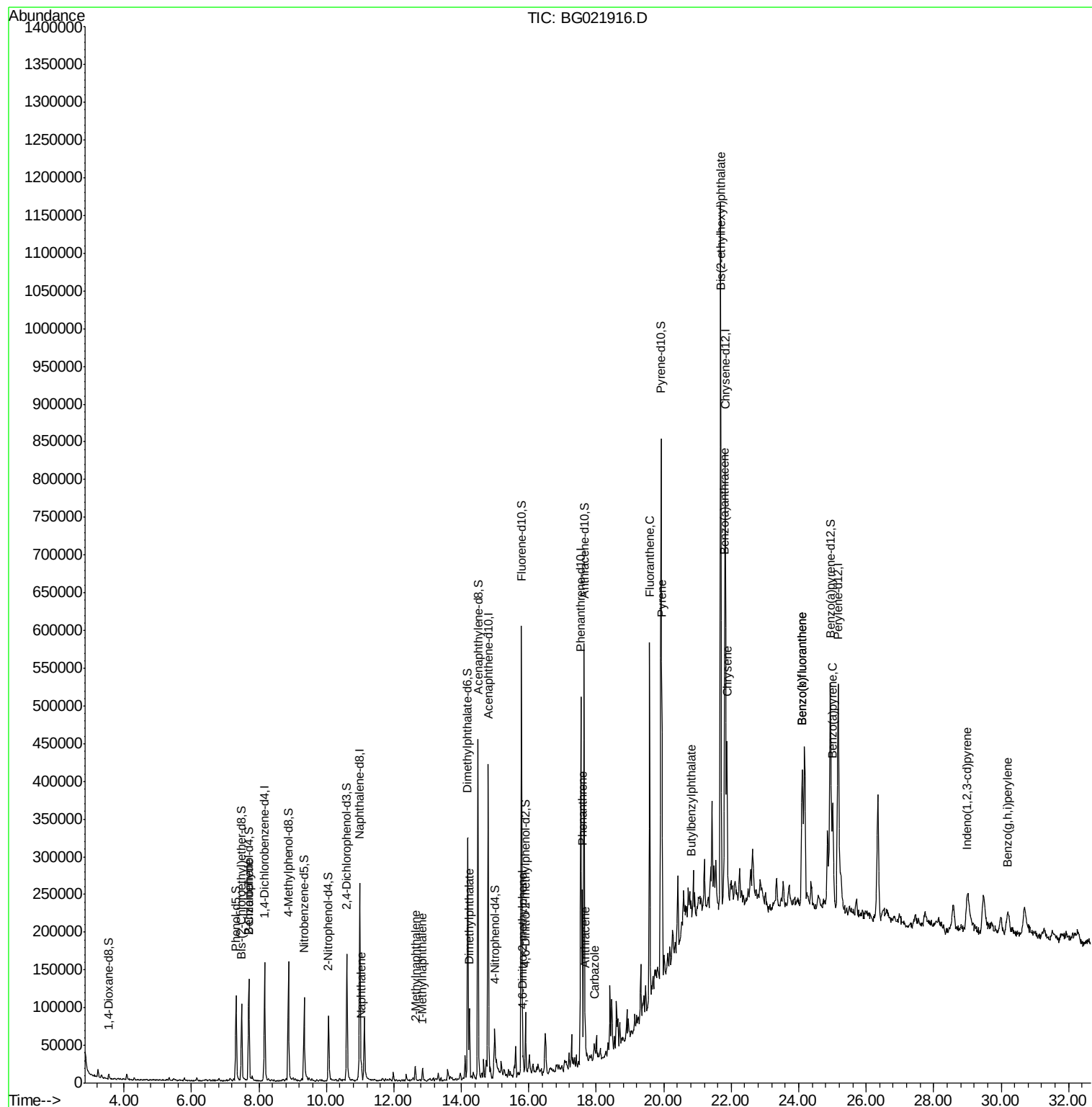
					Ovalue	
4) Benzaldehyde	7.69	77	1556	3.07	ng/ul	91
28) Naphthalene	11.04	128	21006	1.42	ng/ul	98
34) 2-Methylnaphthalene	12.64	142	13192	1.21	ng/ul	93
35) 1-Methylnaphthalene	12.85	142	10923	1.01	ng/ul#	98
45) Dimethylphthalate	14.23	163	74647	6.21	ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.83	198	1811	1.77	ng/ul#	77
70) Phenanthrene	17.58	178	168692	9.10	ng/ul	96
72) Anthracene	17.67	178	28950	1.54	ng/ul	99
73) Carbazole	17.94	167	16998	1.04	ng/ul	96
75) Fluoranthene	19.58	202	323764	15.37	ng/ul	96
78) Pyrene	19.94	202	279606	14.69	ng/ul	96
79) Butylbenzylphthalate	20.81	149	6253	1.49	ng/ul#	82
81) Benzo(a)anthracene	21.80	228	163208	8.91	ng/ul	95
82) Bis(2-ethylhexyl)phthalate	21.69	149	528721	76.97	ng/ul	94
83) Chrysene	21.87	228	167626	9.26	ng/ul	96
86) Benzo(b)fluoranthene	24.10	252	258442	14.00	ng/ul#	96
87) Benzo(k)fluoranthene	24.10	252	258442	13.08	ng/ul#	95
89) Benzo(a)pyrene	25.01	252	155291	8.45	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	29.00	276	49628	2.28	ng/ul	93
92) Benzo(g,h,i)perylene	30.19	276	34950	1.94	ng/ul#	87

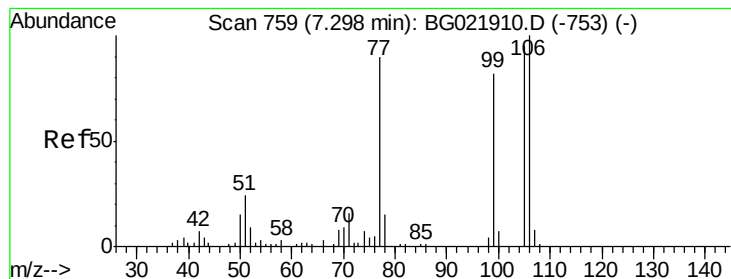
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021916.D
Acq On : 16 May 2016 21:25
Operator : UM/SJ
Sample : H3095-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XE4

Quant Time: May 17 01:37:56 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 3.07 ng/ul

RT: 7.69 min Scan# 826

Delta R.T. 0.40 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampled :

D9XE4

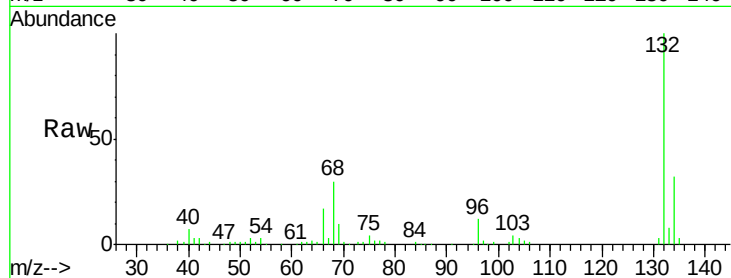
Tot Ion: 77 Resp: 1556

Ion Ratio Lower Upper

77 100

105 94.0 68.5 102.7

106 73.2 65.0 97.4



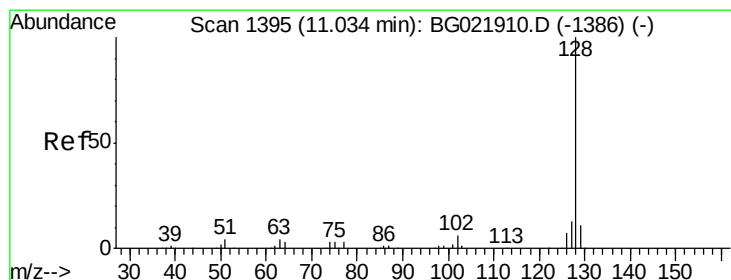
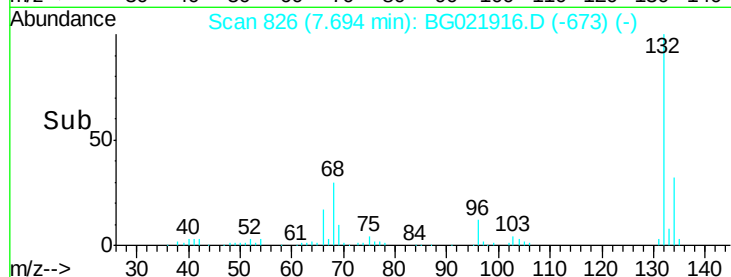
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

7.69

Time-->



#28

Naphthalene

Concen: 1.42 ng/ul

RT: 11.04 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

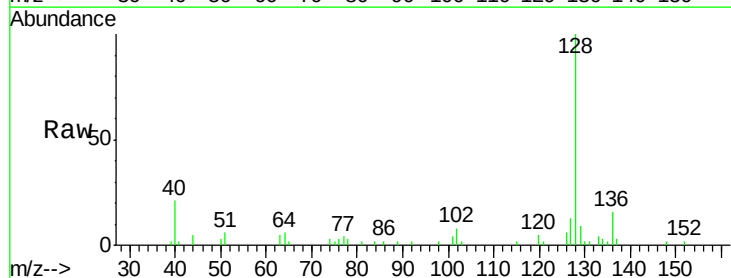
Tgt Ion: 128 Resp: 21006

Ion Ratio Lower Upper

128 100

129 9.5 8.3 12.5

127 12.7 10.8 16.2



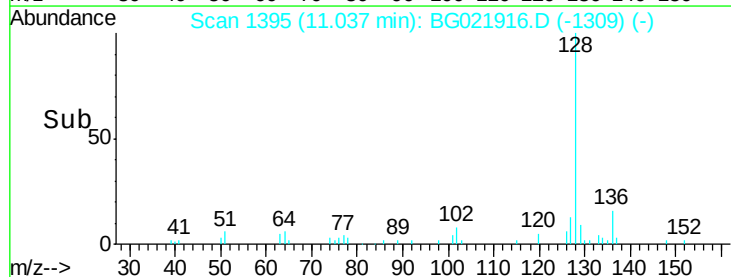
Abundance Ion 128.00 (127.70 to 128.70): E

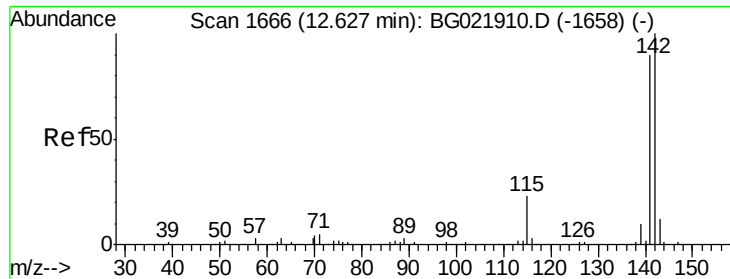
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

11.04

Time-->

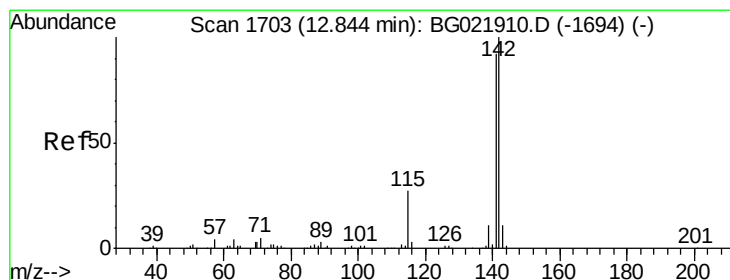
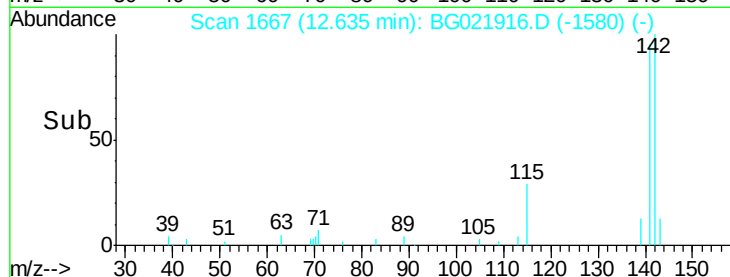
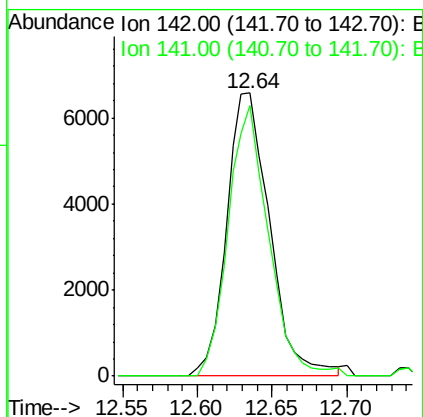
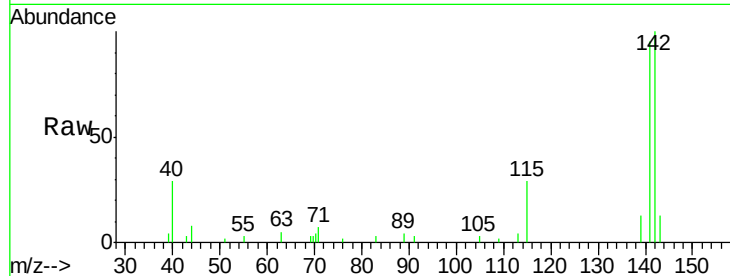




#34
2-Methylnaphthalene
Concen: 1.21 ng/ul
RT: 12.64 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BG021916.D
Acq: 16 May 2016 21:25

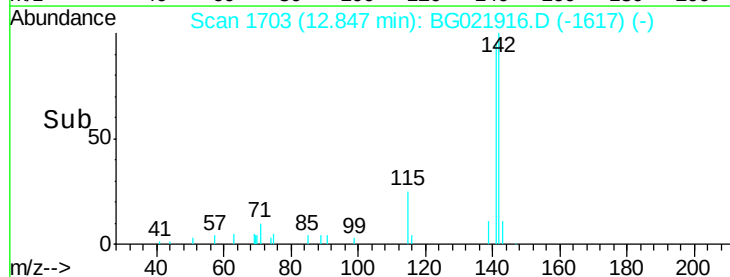
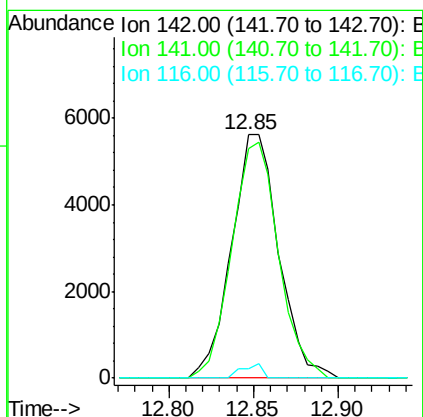
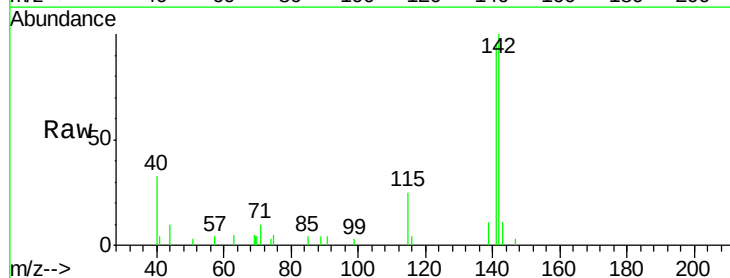
Instrument :
BNA_G
ClientSampleId :
D9XE4

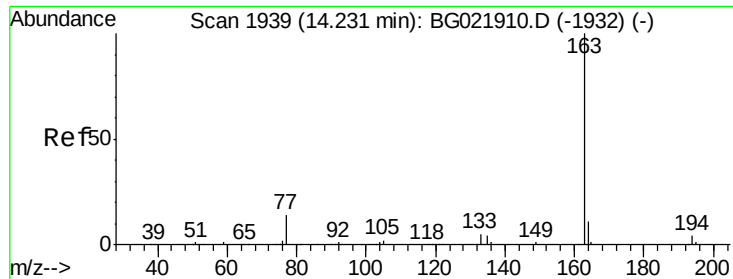
Tot Ion:142 Resp: 13192
Ion Ratio Lower Upper
142 100
141 95.5 71.3 106.9



#35
1-Methylnaphthalene
Concen: 1.01 ng/ul
RT: 12.85 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BG021916.D
Acq: 16 May 2016 21:25

Tgt Ion:142 Resp: 10923
Ion Ratio Lower Upper
142 100
141 94.5 77.0 115.4
116 4.0 4.2 6.4#





#45

Dimethylphthalate

Concen: 6.21 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampleId :

D9XE4

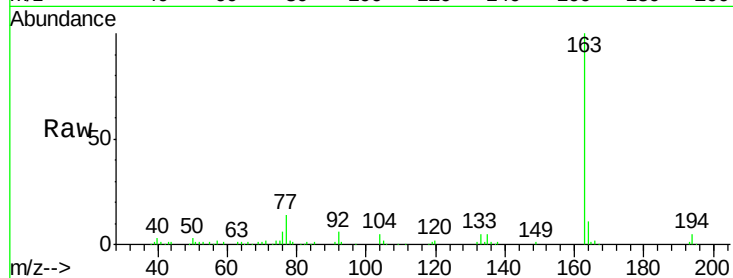
Tot Ion:163 Resp: 74647

Ion Ratio Lower Upper

163 100

194 4.6 3.9 5.9

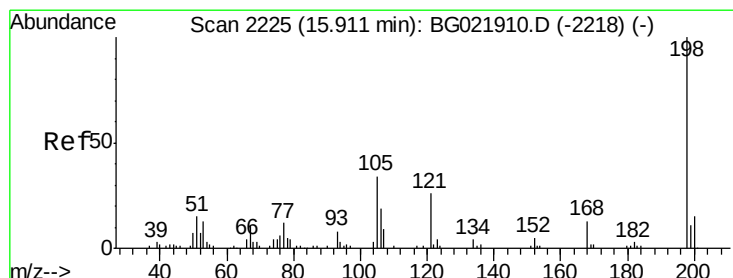
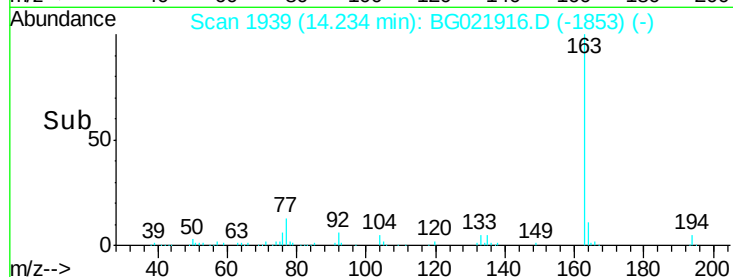
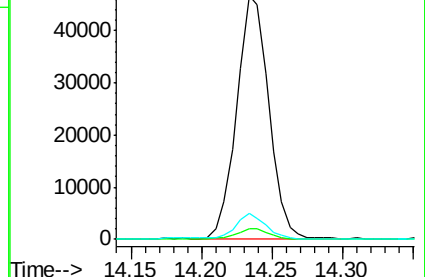
164 10.7 8.7 13.1



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



#64

4,6-Dinitro-2-methylphenol

Concen: 1.77 ng/ul

RT: 15.83 min Scan# 2210

Delta R.T. -0.09 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

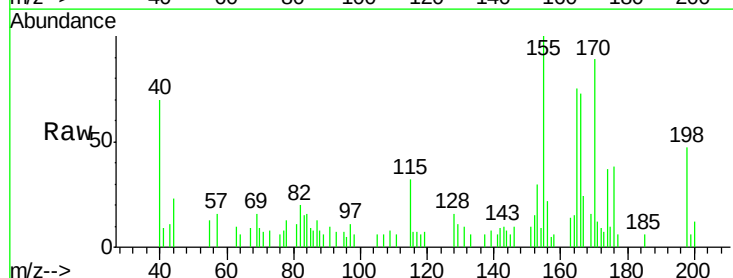
Tgt Ion:198 Resp: 1811

Ion Ratio Lower Upper

198 100

182 0.0 3.8 5.8#

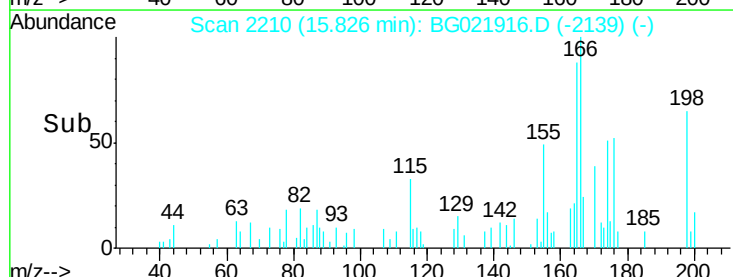
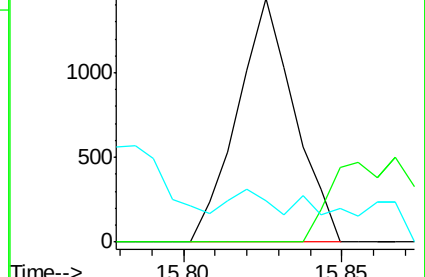
77 16.8 24.2 36.4#

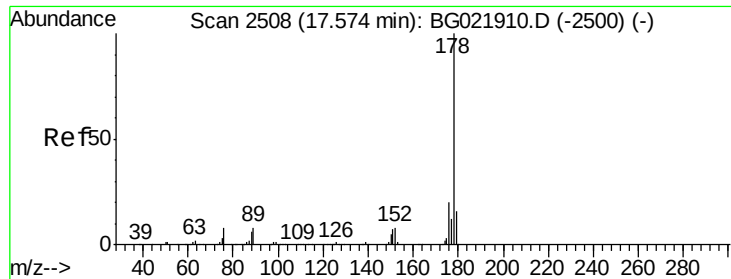


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BG





#70

Phenanthrene

Concen: 9.10 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampleId :

D9XE4

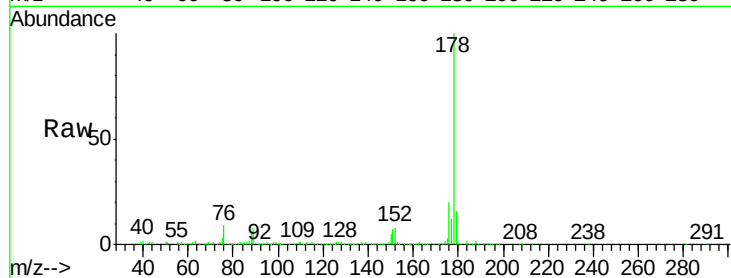
Tot Ion:178 Resp: 168692

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

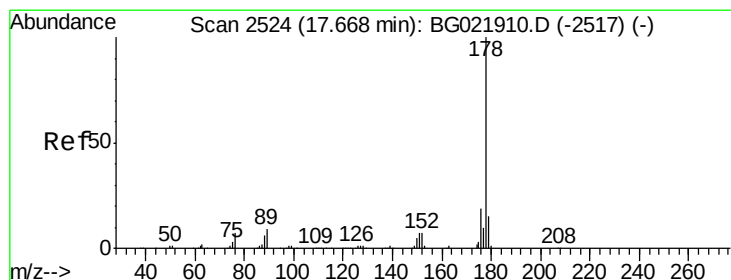
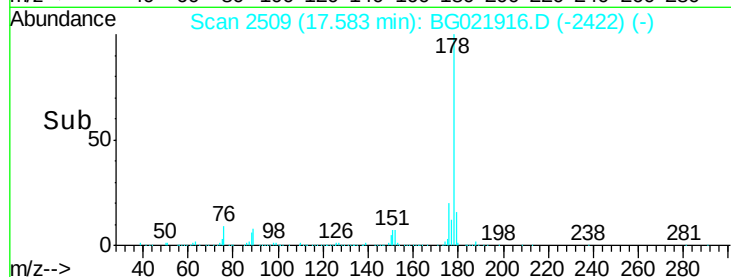
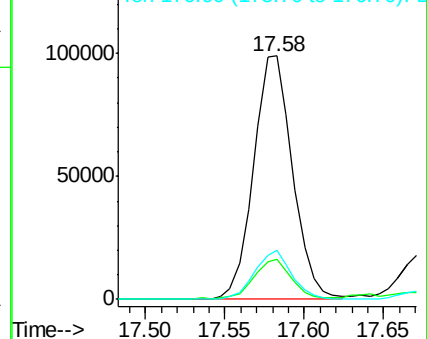
176 20.3 14.8 22.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 1.54 ng/ul

RT: 17.67 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

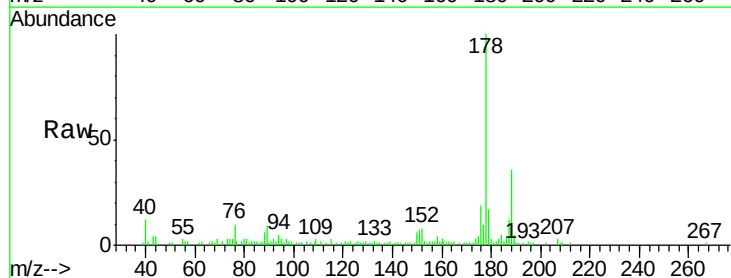
Tgt Ion:178 Resp: 28950

Ion Ratio Lower Upper

178 100

179 17.1 12.9 19.3

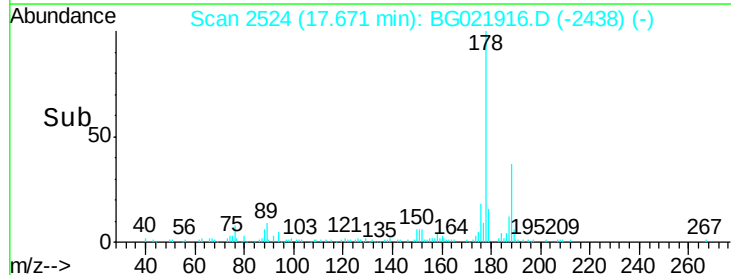
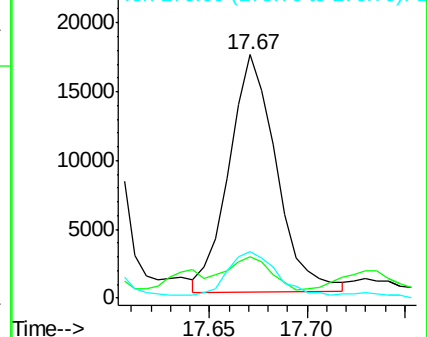
176 19.2 15.6 23.4

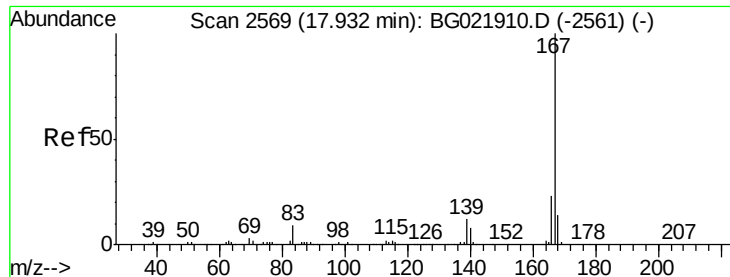


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Carbazole

Concen: 1.04 ng/ul

RT: 17.94 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampleId :

D9XE4

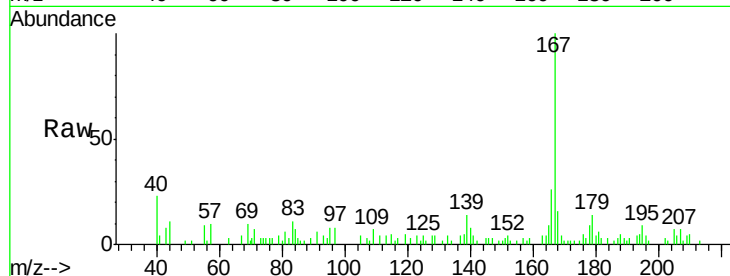
Tot Ion:167 Resp: 16998

Ion Ratio Lower Upper

167 100

166 26.0 19.0 28.4

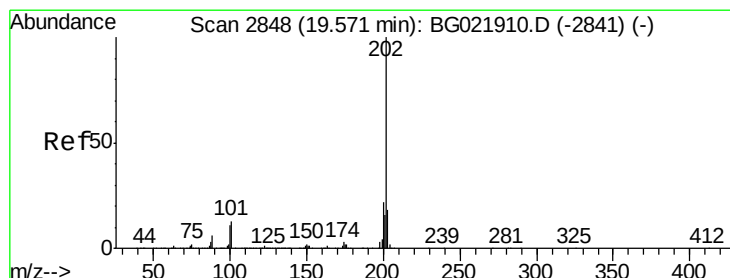
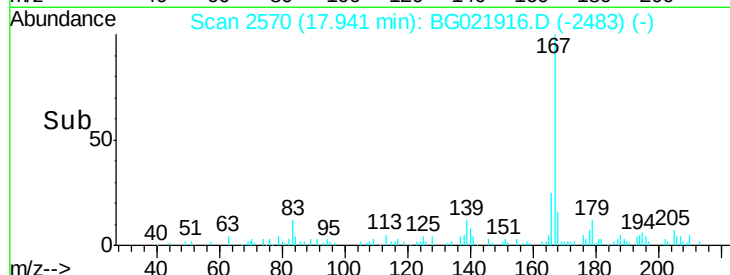
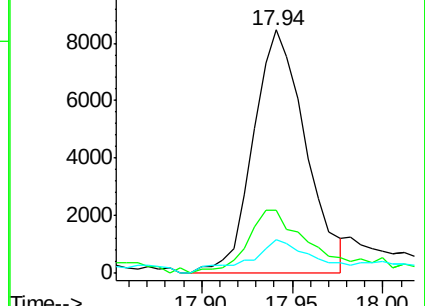
139 14.0 12.2 18.4



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: 15.37 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. 0.01 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

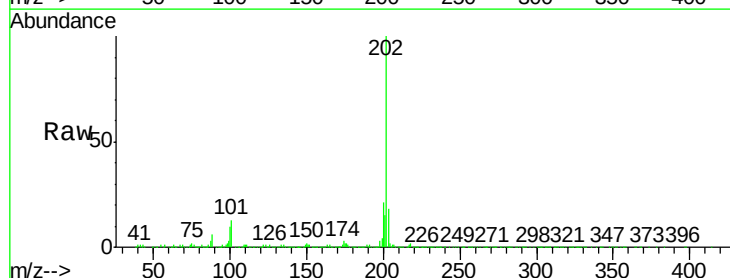
Tgt Ion:202 Resp: 323764

Ion Ratio Lower Upper

202 100

101 12.7 8.9 13.3

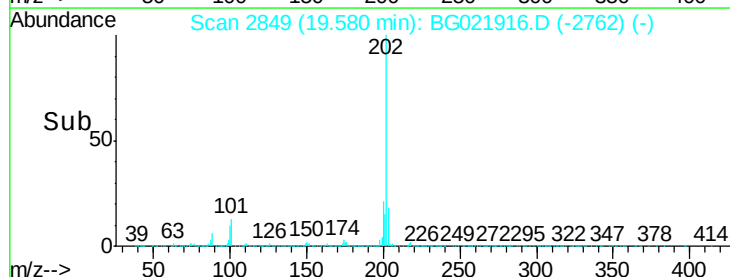
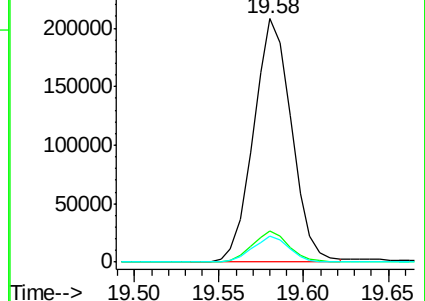
100 10.4 7.0 10.4

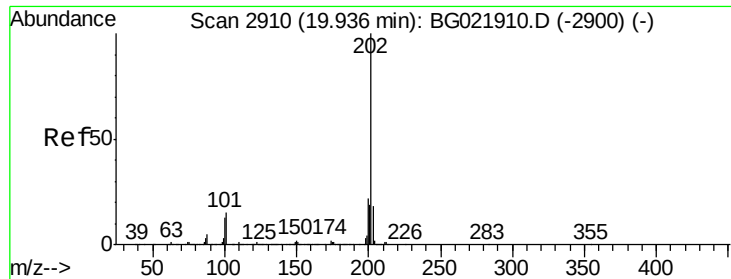


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

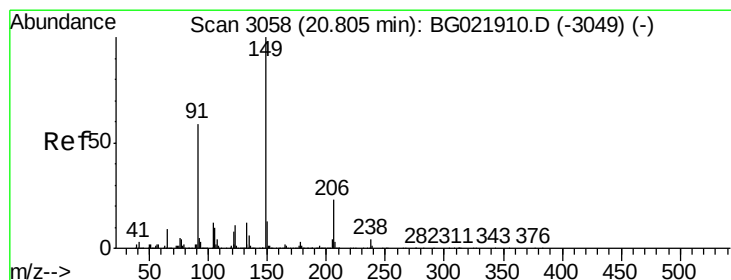
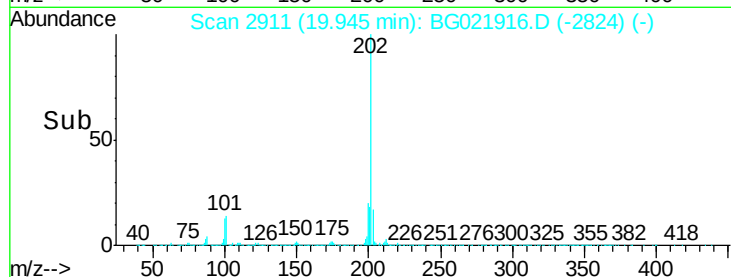
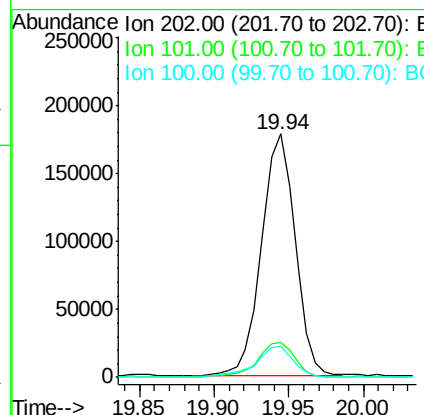
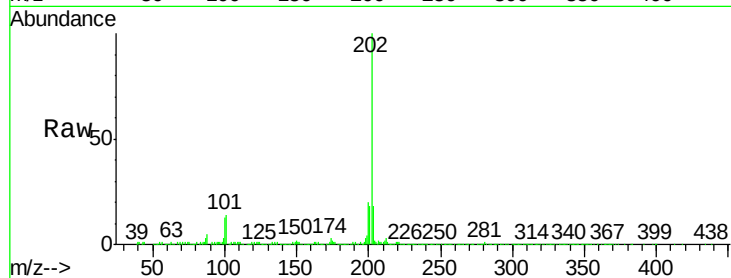




#78
Pvrene
Concen: 14.69 ng/ul
RT: 19.94 min Scan# 2911
Delta R.T. 0.01 min
Lab File: BG021916.D
Acq: 16 May 2016 21:25

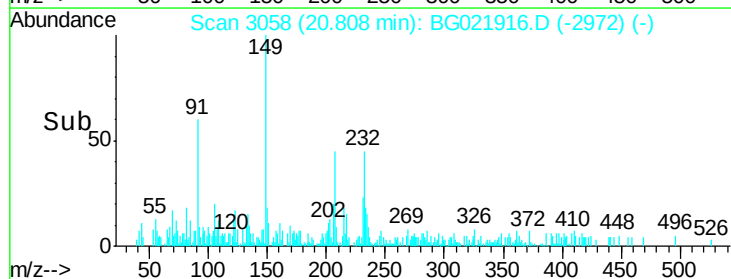
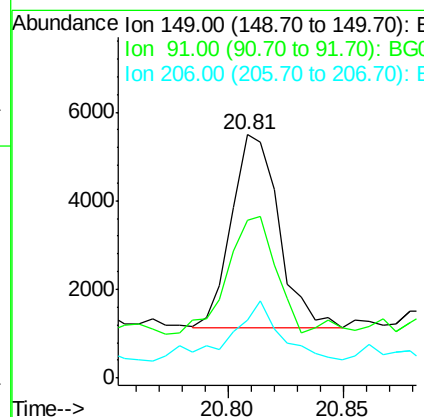
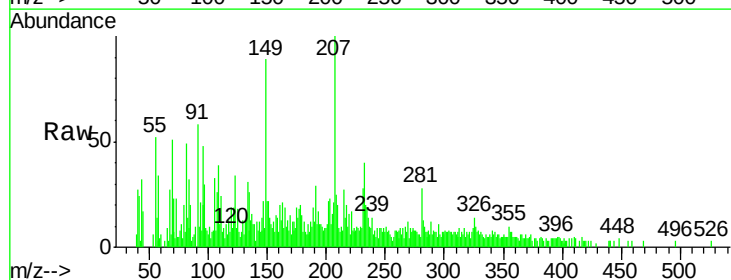
Instrument :
BNA_G
ClientSampleId :
D9XE4

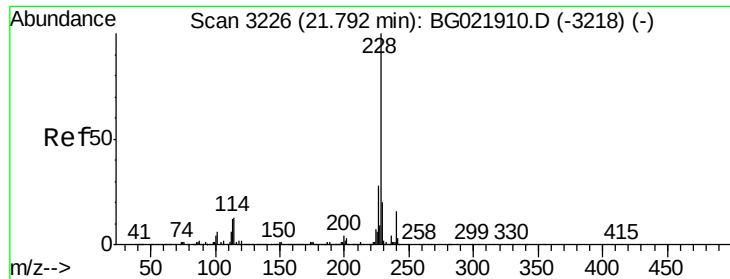
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.4	9.8	14.8
100	12.8	9.3	13.9



#79
Butylbenzylphthalate
Concen: 1.49 ng/ul
RT: 20.81 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BG021916.D
Acq: 16 May 2016 21:25

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.8	65.8	98.8#
206	23.7	15.5	23.3#





#81

Benzo(a)anthracene

Concen: 8.91 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampled :

D9XE4

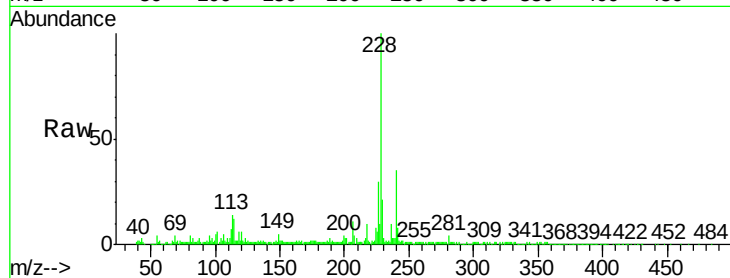
Tot Ion:228 Resp: 163208

Ion Ratio Lower Upper

228 100

229 21.4 16.6 25.0

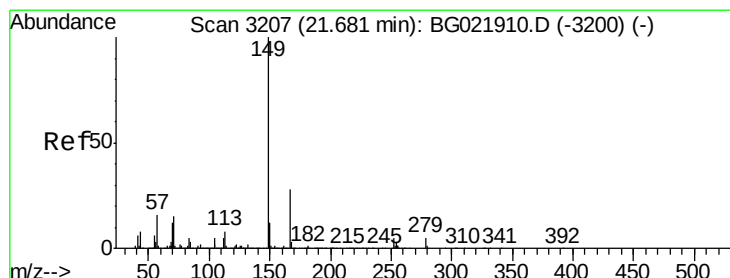
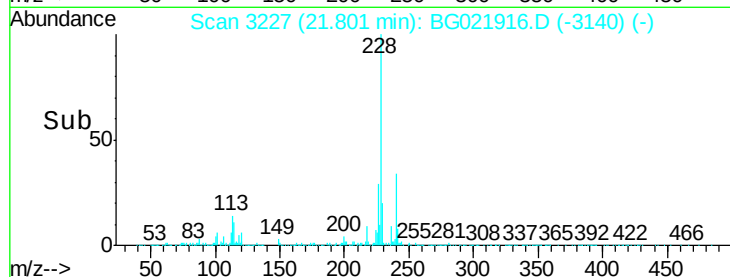
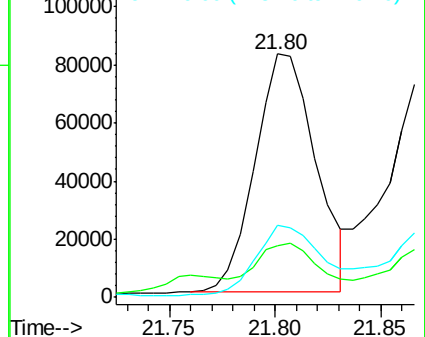
226 29.8 21.0 31.4



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: 76.97 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. 0.01 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

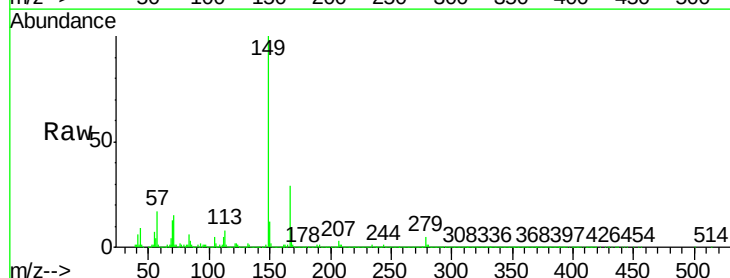
Tgt Ion:149 Resp: 528721

Ion Ratio Lower Upper

149 100

167 29.0 20.5 30.7

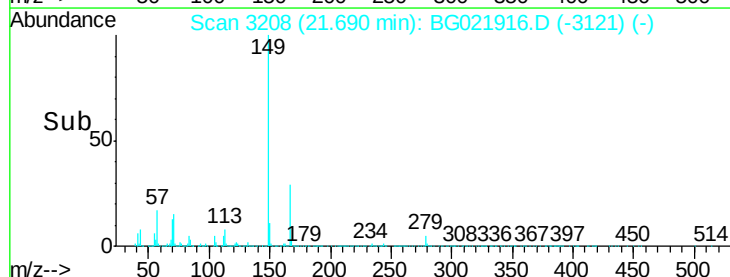
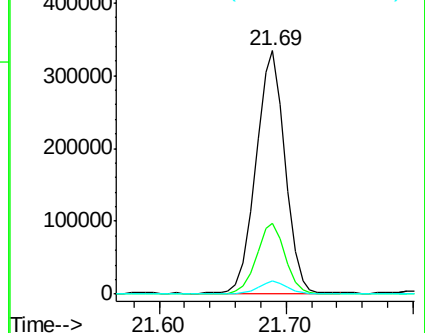
279 5.4 3.7 5.5

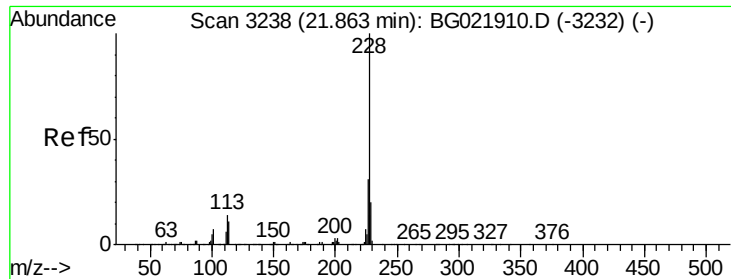


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#83

Chrysene

Concen: 9.26 ng/ul

RT: 21.87 min Scan# 3239

Delta R.T. 0.01 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampleId :

D9XE4

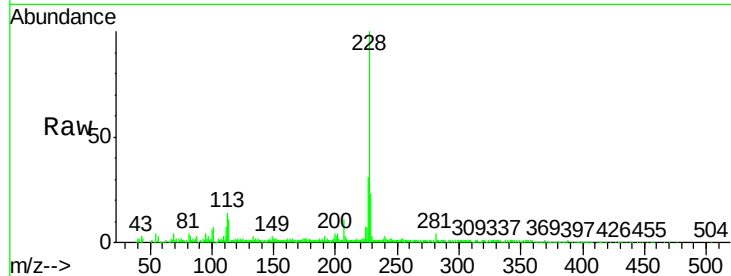
Tot Ion:228 Resp: 167626

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

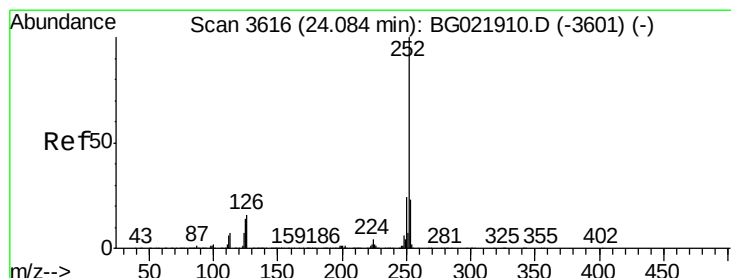
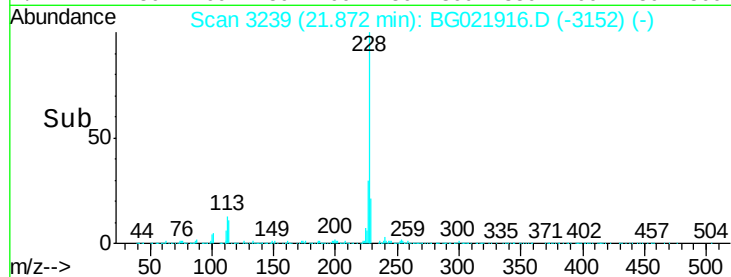
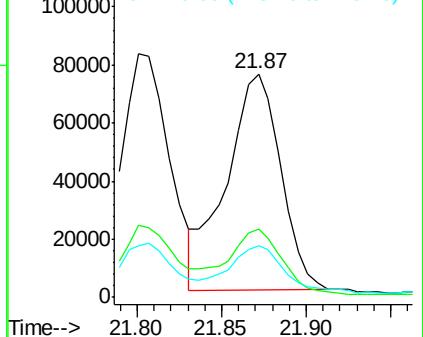
229 22.8 16.2 24.2



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: 14.00 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. 0.02 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

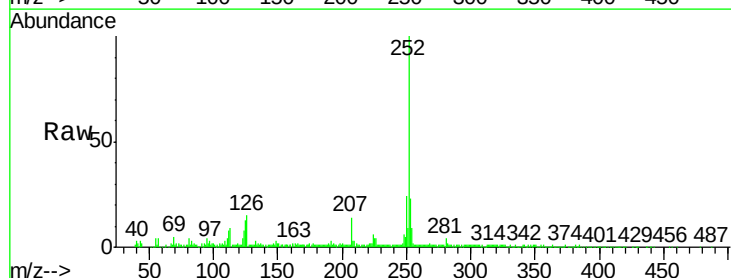
Tgt Ion:252 Resp: 258442

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

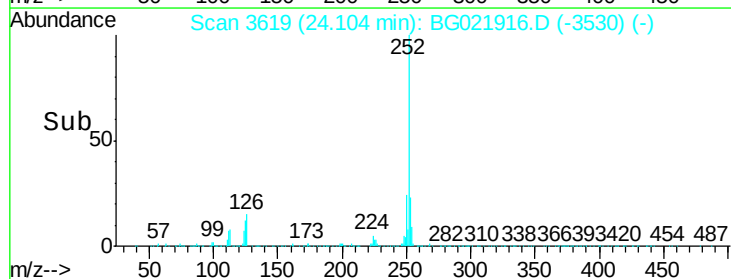
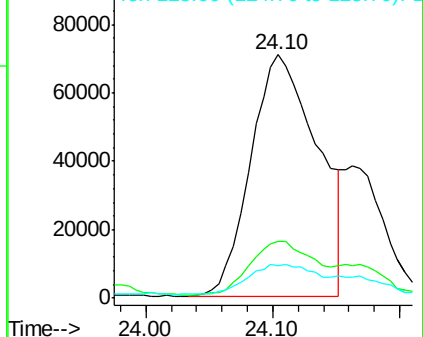
125 13.5 7.6 11.4#

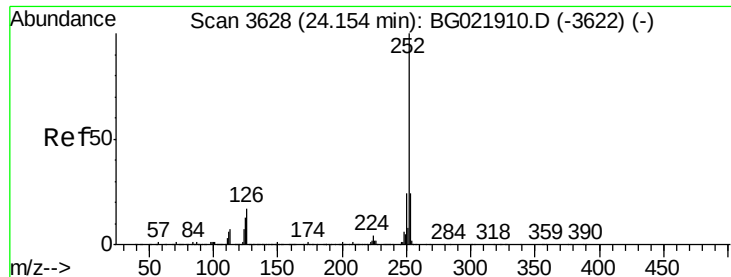


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#87

Benzo(k)fluoranthene

Concen: 13.08 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. -0.05 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

Instrument :

BNA_G

ClientSampleId :

D9XE4

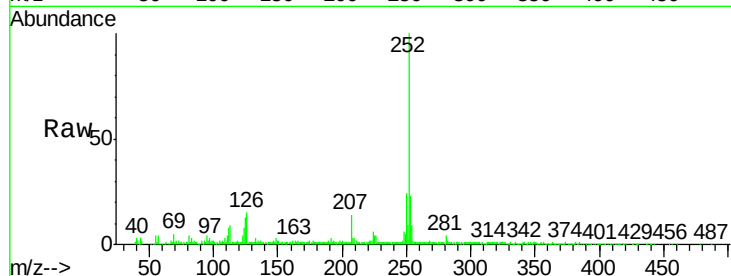
Tot Ion:252 Resp: 258442

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

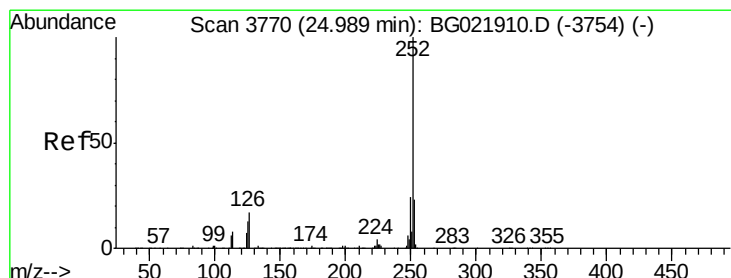
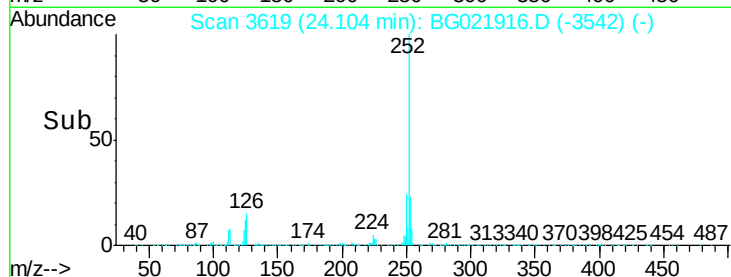
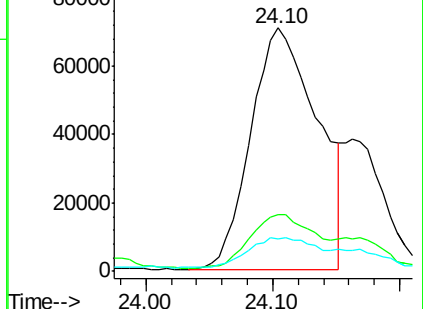
125 13.5 7.7 11.5#



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(a)pyrene

Concen: 8.45 ng/ul

RT: 25.01 min Scan# 3773

Delta R.T. 0.02 min

Lab File: BG021916.D

Acq: 16 May 2016 21:25

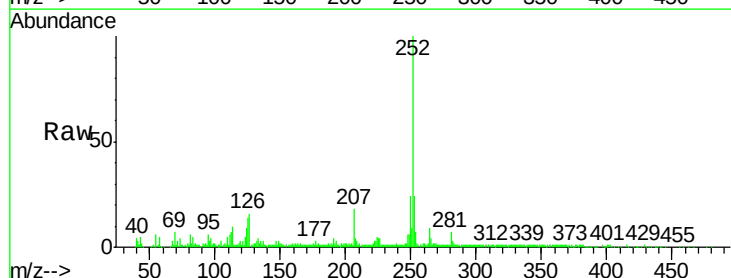
Tgt Ion:252 Resp: 155291

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

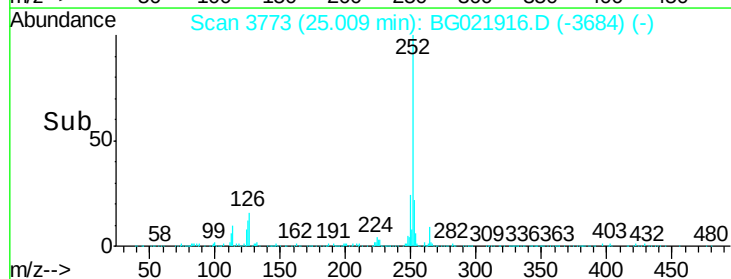
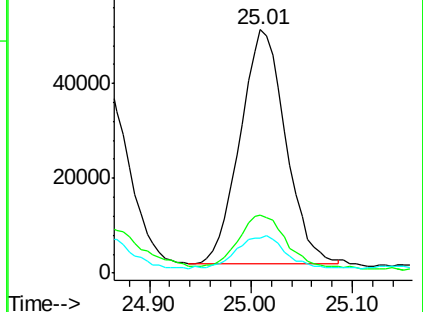
125 14.2 8.2 12.2#

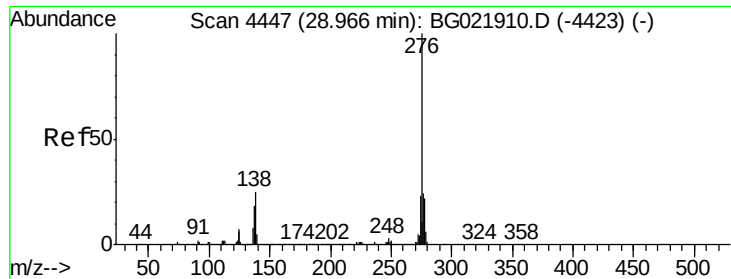


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

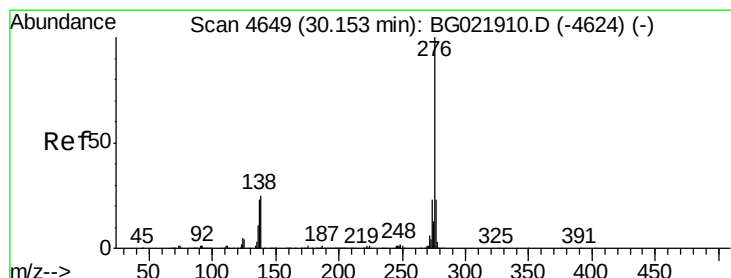
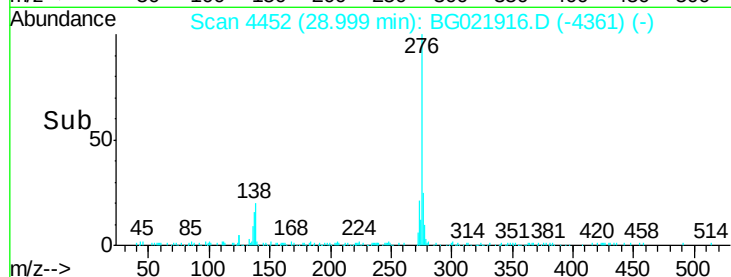
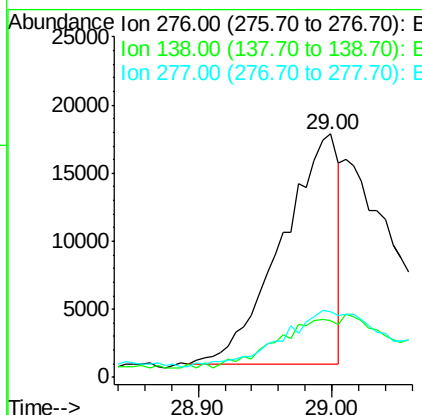
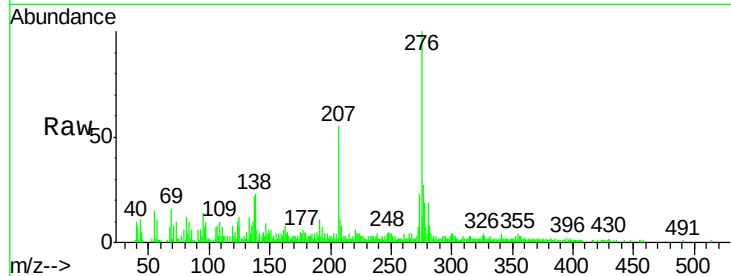




#90
 Indeno(1,2,3-cd)pyrene
 Concen: 2.28 ng/ul
 RT: 29.00 min Scan# 4452
 Delta R.T. 0.03 min
 Lab File: BG021916.D
 Acq: 16 May 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 D9XE4

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	15.8	23.6
277	26.9	19.0	28.6



#92
 Benzo(g,h,i)perylene
 Concen: 1.94 ng/ul
 RT: 30.19 min Scan# 4655
 Delta R.T. 0.04 min
 Lab File: BG021916.D
 Acq: 16 May 2016 21:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.1	13.9	20.9#
277	26.0	19.8	29.6

