

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021972.D
 Acq On : 19 May 2016 21:14
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 08:13:37 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41732	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	216602	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	119402	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	243747	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	208981	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	191874	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	6375	7.01	ng/uL	0.00
3) Phenol-d5	7.31	99	71444	19.39	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	37379	19.05	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	60918	20.13	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	62483	19.04	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	31548	20.76	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	33270	20.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	59451	20.75	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	46633	20.66	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	169977	18.46	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	238703	20.13	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	26986	16.66	ng/ul	0.00
21) Fluorene-d10	15.78	176	160459	19.37	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	21068	17.42	ng/ul	0.00
26) Anthracene-d10	17.53	188	243747	21.70	ng/ul	-0.10
30) Pyrene-d10	19.91	212	218522	19.82	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	172750	20.27	ng/ul	0.00

Target Compounds

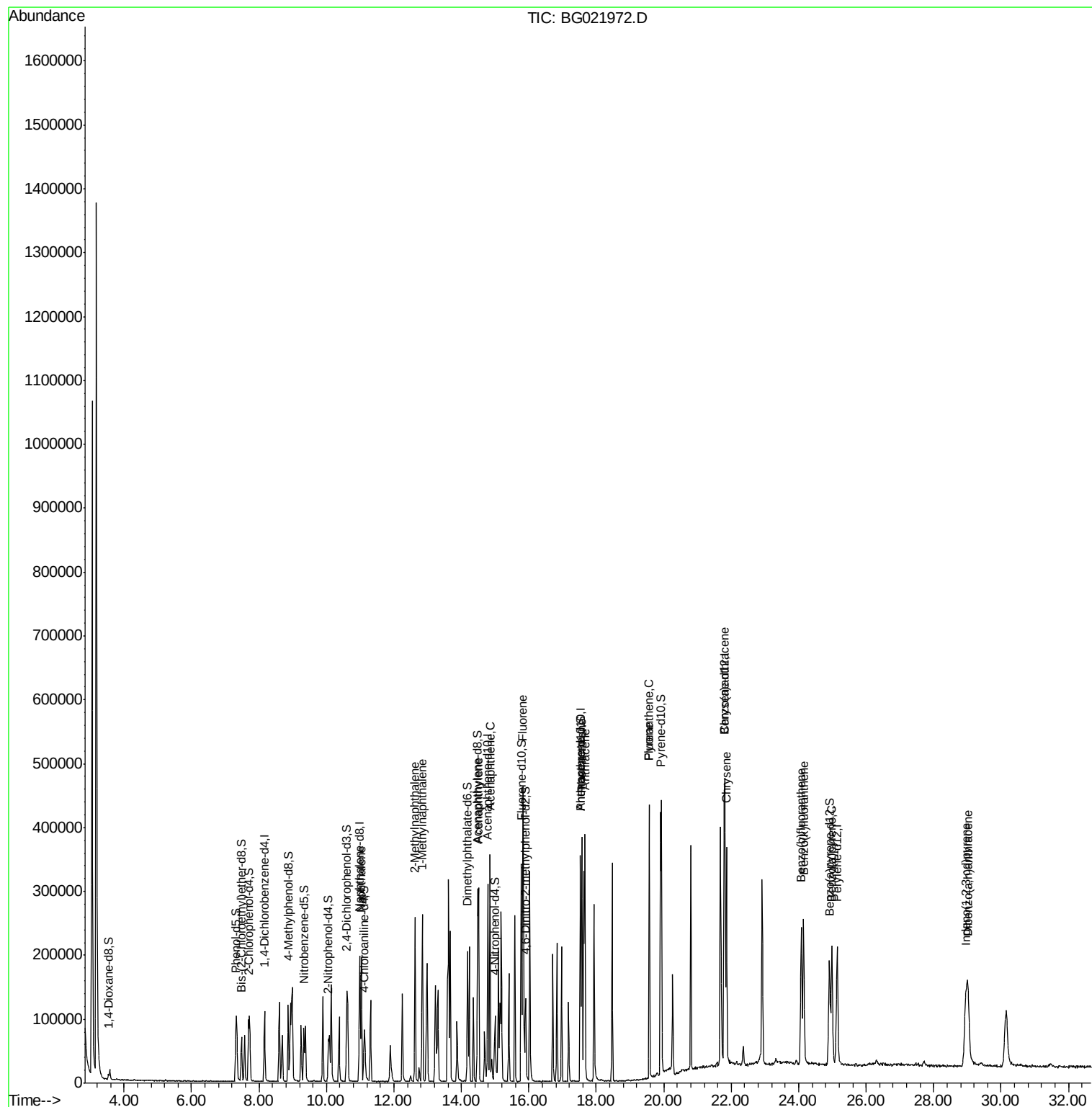
						Ovalue
11) Naphthalene	11.03	128	209688	19.90	ng/ul	99
13) 2-Methylnaphthalene	12.63	142	150594	19.72	ng/ul	93
14) 1-Methylnaphthalene	12.84	142	147992	18.94	ng/ul#	96
18) Acenaphthylene	14.51	152	247497	20.04	ng/ul	99
19) Acenaphthene	14.85	153	168227	19.84	ng/ul	98
22) Fluorene	15.83	166	179869	19.16	ng/ul	96
25) Phenanthrene	17.57	178	262547	20.15	ng/ul	97
27) Anthracene	17.66	178	263952	20.16	ng/ul	98
28) Fluoranthene	19.57	202	272067	20.09	ng/ul#	94
31) Pyrene	19.57	202	272067	18.90	ng/ul	98
32) Benzo(a)anthracene	21.79	228	234235	20.21	ng/ul	97
33) Chrysene	21.86	228	218537	19.38	ng/ul	99
35) Benzo(b)fluoranthene	24.08	252	221125	20.05	ng/ul#	96
36) Benzo(k)fluoranthene	24.15	252	216564	19.96	ng/ul#	97
38) Benzo(a)pyrene	24.99	252	209534	19.86	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	28.96	276	235784	19.67	ng/ul#	93
40) Dibenzo(a,h)anthracene	29.02	278	204373	20.58	ng/ul#	94

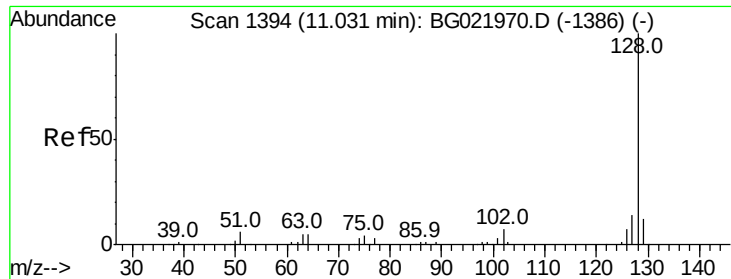
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
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Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
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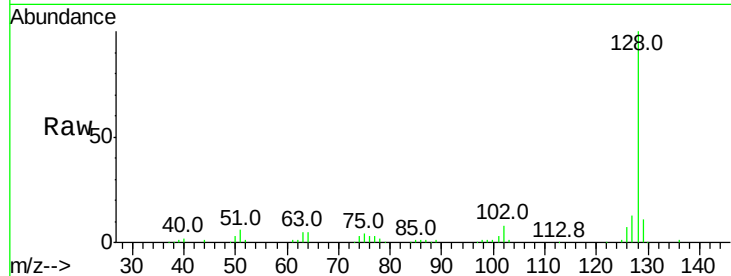




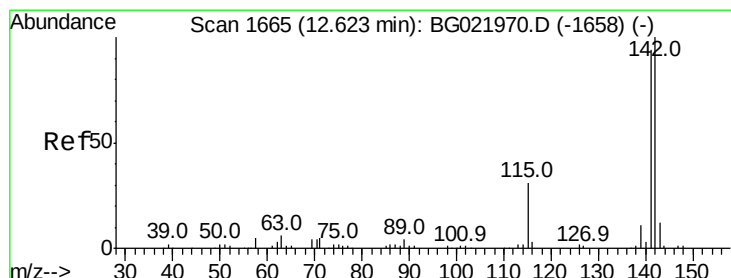
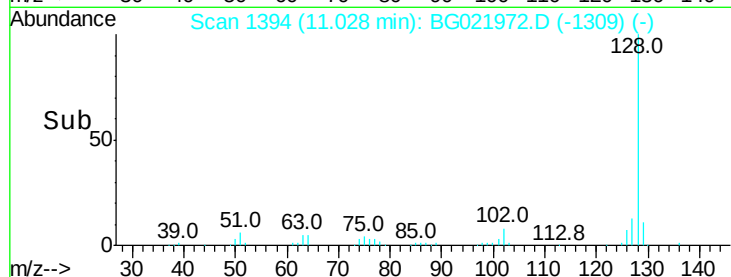
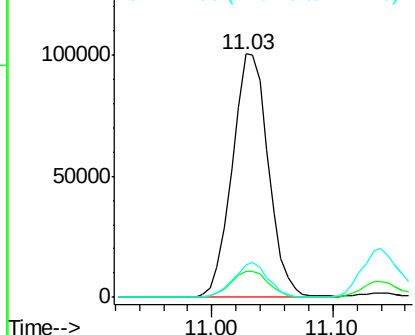
#11
Naphthalene
Concen: 19.90 ng/ul
RT: 11.03 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BG021972.D
Acq: 19 May 2016 21:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 209688
Ion Ratio Lower Upper
128 100
129 10.7 8.3 12.5
127 13.2 10.8 16.2

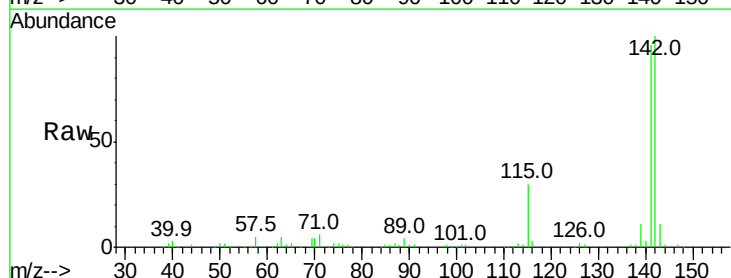


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

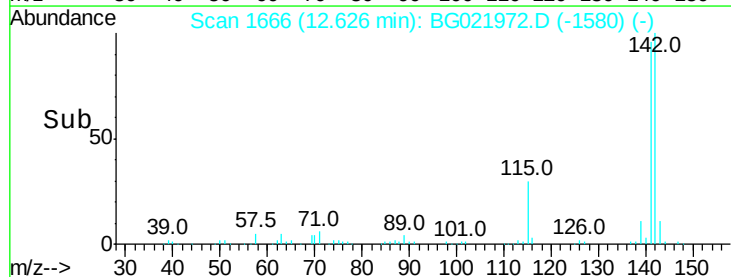
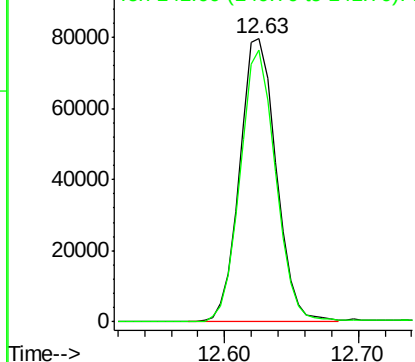


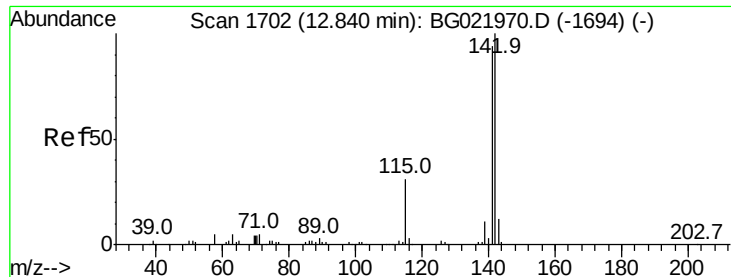
#13
2-Methylnaphthalene
Concen: 19.72 ng/ul
RT: 12.63 min Scan# 1666
Delta R.T. 0.00 min
Lab File: BG021972.D
Acq: 19 May 2016 21:14

Tgt Ion:142 Resp: 150594
Ion Ratio Lower Upper
142 100
141 95.9 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

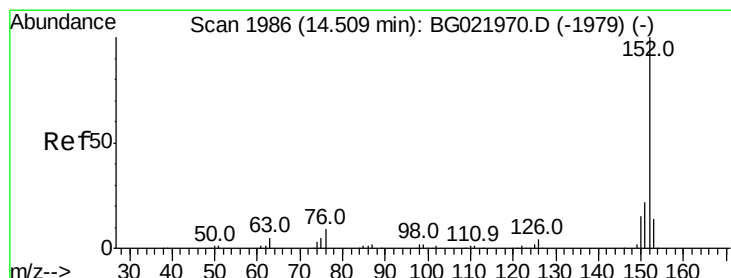
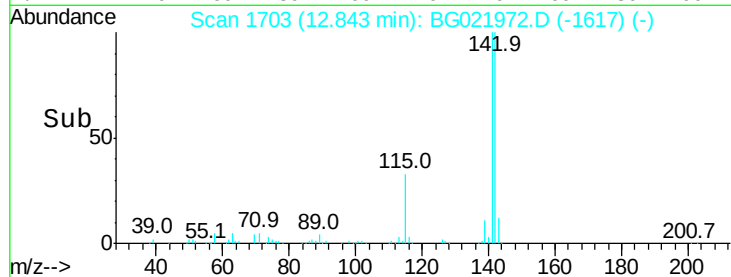
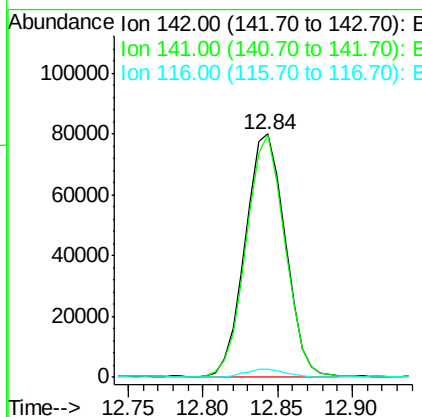
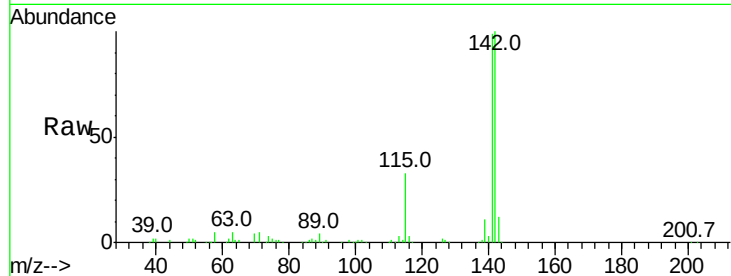




#14
1-Methylnaphthalene
Concen: 18.94 ng/ul
RT: 12.84 min Scan# 1703
Delta R.T. 0.00 min
Lab File: BG021972.D
Acq: 19 May 2016 21:14

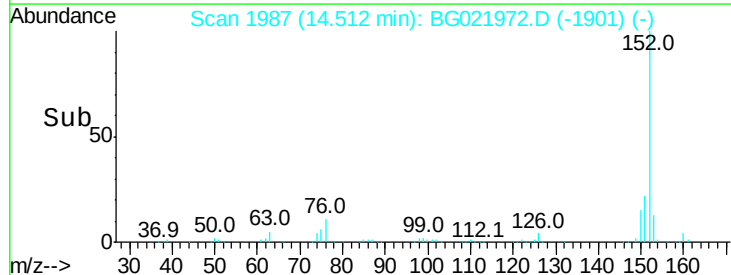
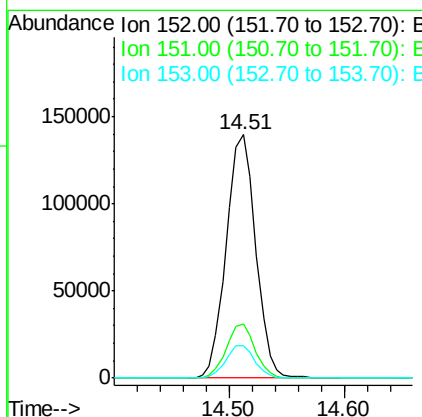
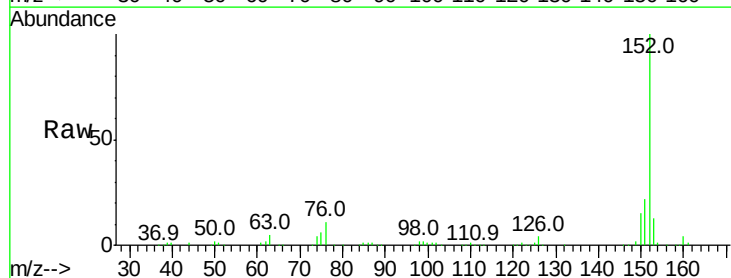
Instrument :
BNA_G
ClientSampleId :

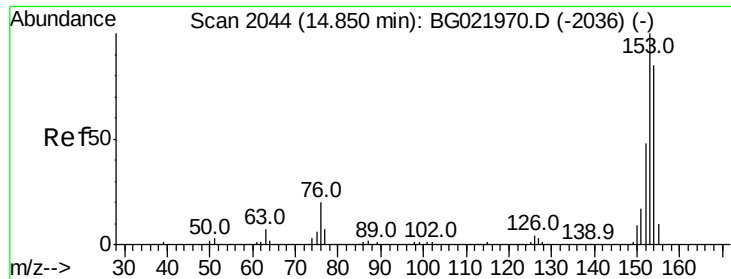
Tot Ion:142 Resp: 147992
Ion Ratio Lower Upper
142 100
141 99.5 77.0 115.4
116 3.2 4.2 6.4#



#18
Acenaphthylene
Concen: 20.04 ng/ul
RT: 14.51 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG021972.D
Acq: 19 May 2016 21:14

Tgt Ion:152 Resp: 247497
Ion Ratio Lower Upper
152 100
151 22.0 17.3 25.9
153 13.1 11.1 16.7





#19

Acenaphthene

Concen: 19.84 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

Instrument :

BNA_G

ClientSampled :

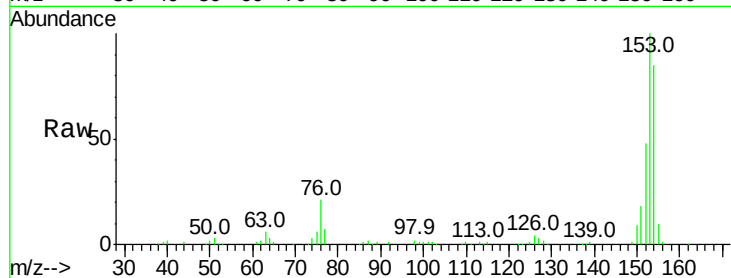
Tot Ion:153 Resp: 168227

Ion Ratio Lower Upper

153 100

152 47.7 36.5 54.7

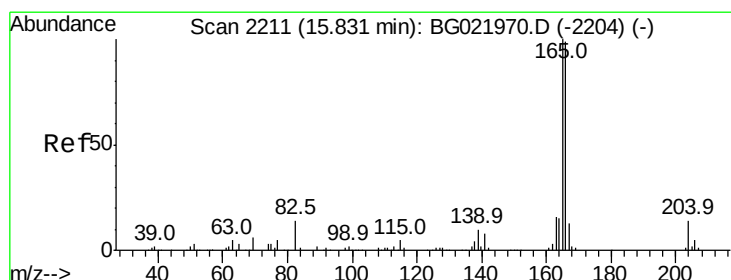
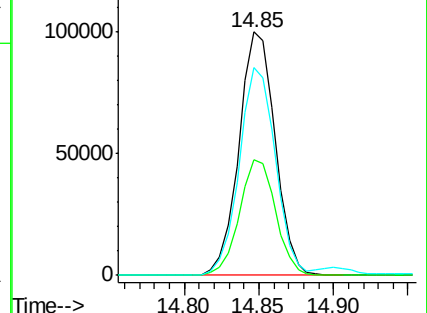
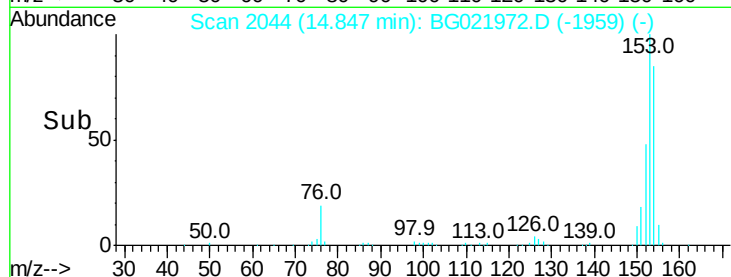
154 85.4 67.3 100.9



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



#22

Fluorene

Concen: 19.16 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

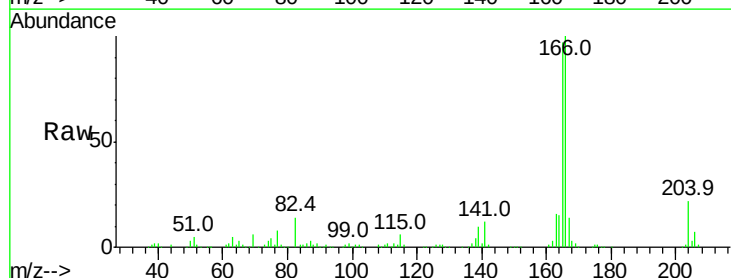
Tgt Ion:166 Resp: 179869

Ion Ratio Lower Upper

166 100

165 97.1 81.1 121.7

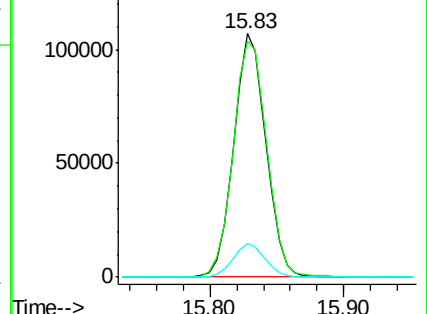
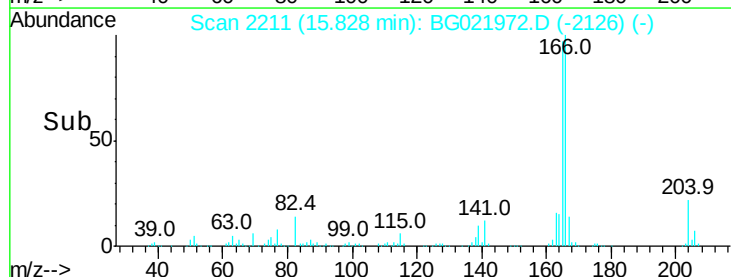
167 14.0 10.6 16.0

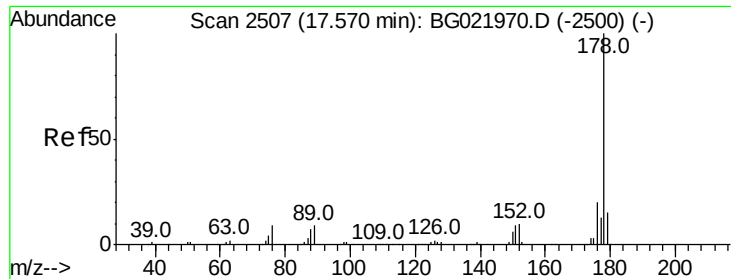


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#25

Phenanthrene

Concen: 20.15 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

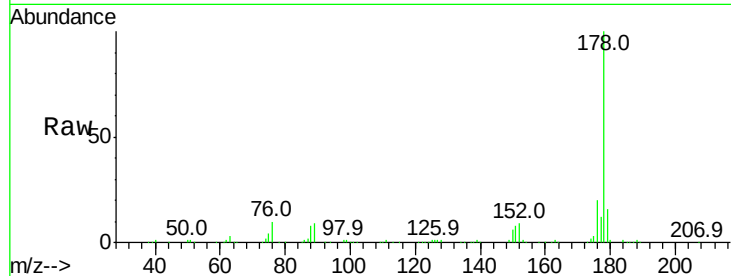
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 262547

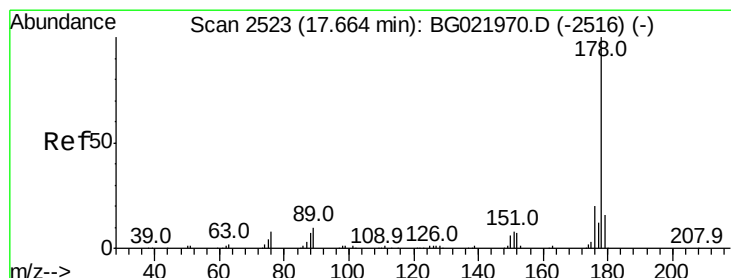
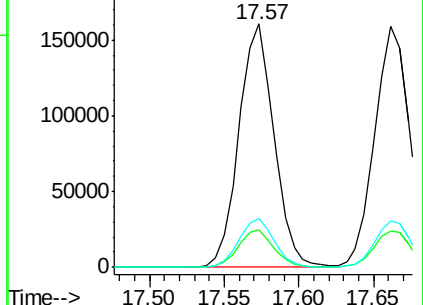
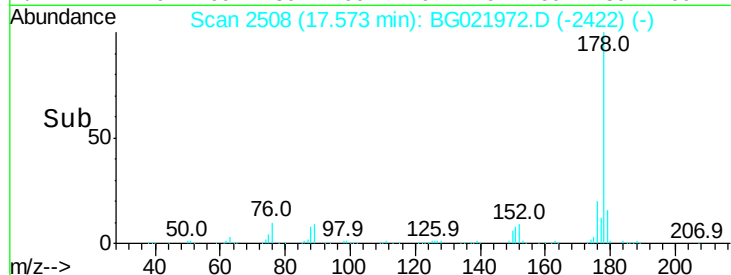
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.8	17.8
176	20.1	14.8	22.2



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



#27

Anthracene

Concen: 20.16 ng/ul

RT: 17.66 min Scan# 2523

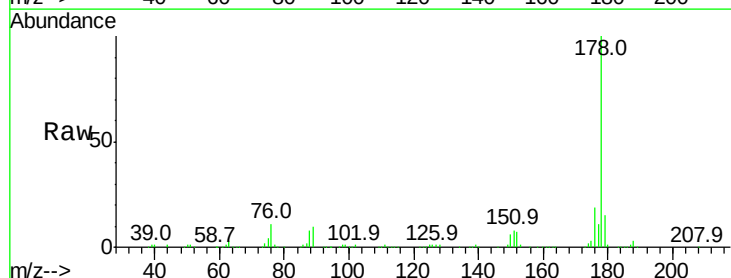
Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

Tgt Ion:178 Resp: 263952

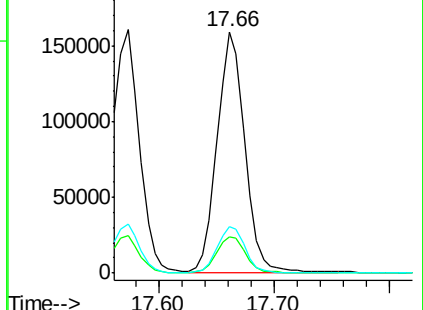
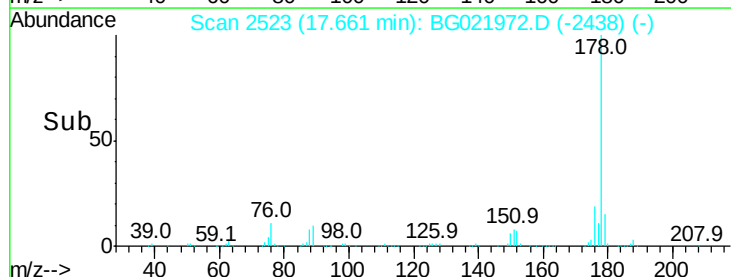
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.9	19.3
176	19.3	15.6	23.4

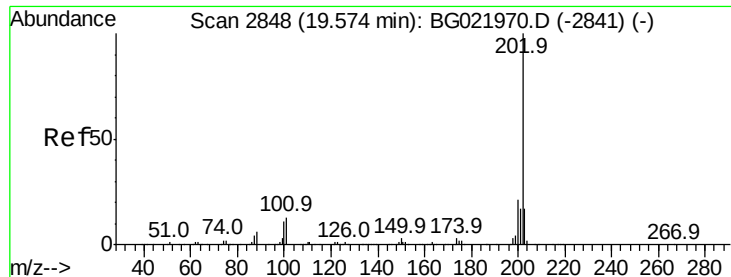


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 20.09 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

Instrument :

BNA_G

ClientSampleId :

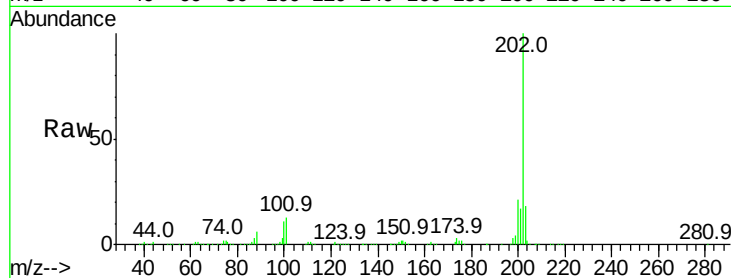
Tot Ion:202 Resp: 272067

Ion Ratio Lower Upper

202 100

101 13.2 8.9 13.3

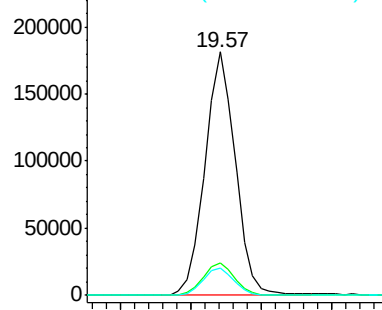
100 11.0 7.0 10.4#



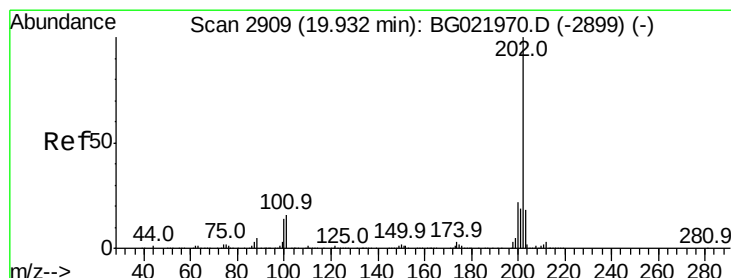
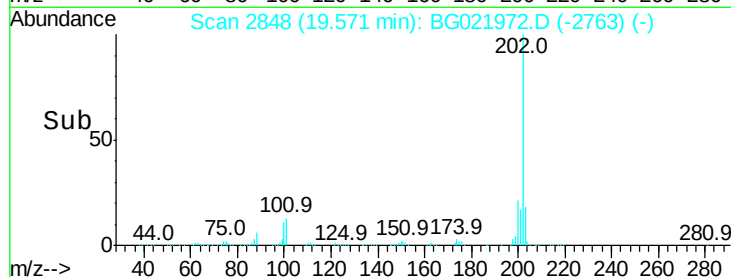
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#31

Pyrene

Concen: 18.90 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. -0.36 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

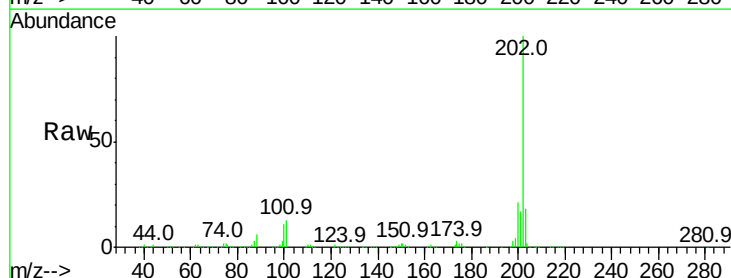
Tgt Ion:202 Resp: 272067

Ion Ratio Lower Upper

202 100

101 13.2 9.8 14.8

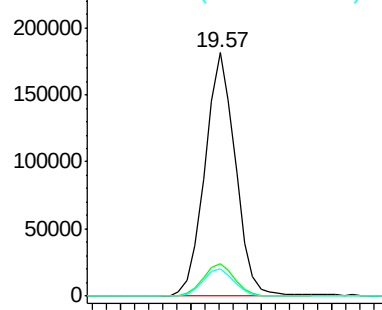
100 11.0 9.3 13.9



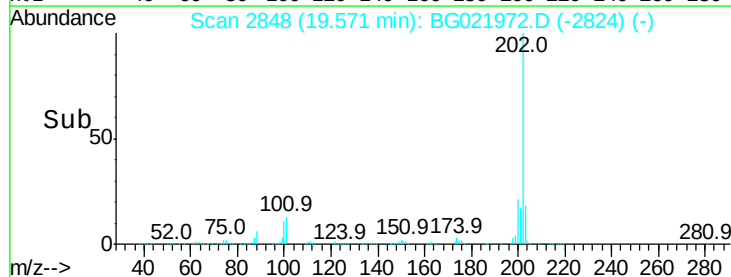
Abundance Ion 202.00 (201.70 to 202.70): E

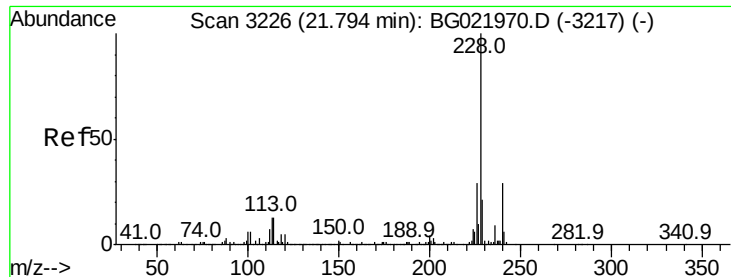
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#32

Benzo(a)anthracene

Concen: 20.21 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

Instrument :

BNA_G

ClientSampleId :

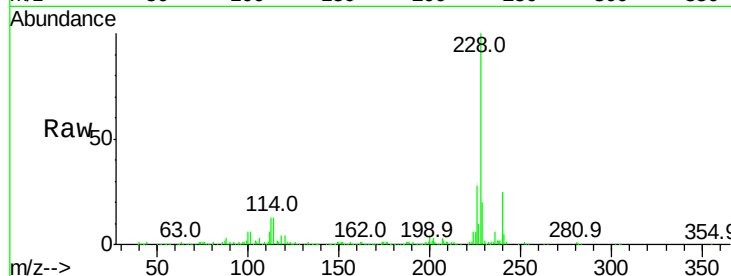
Tot Ion:228 Resp: 234235

Ion Ratio Lower Upper

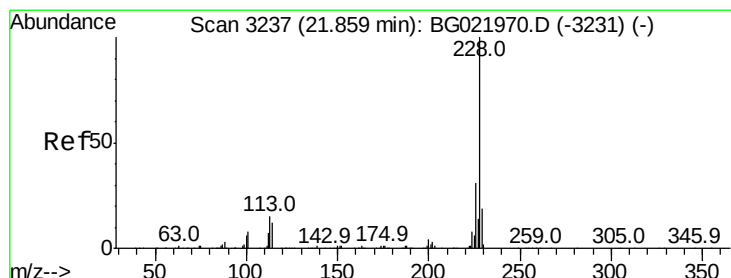
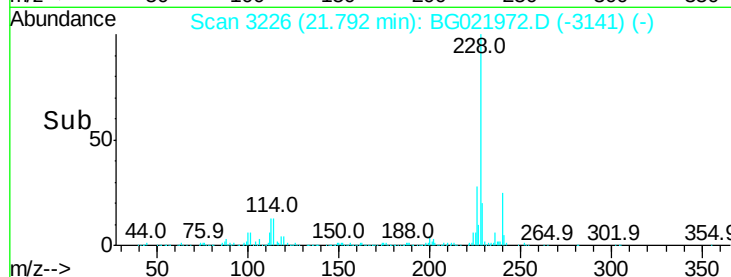
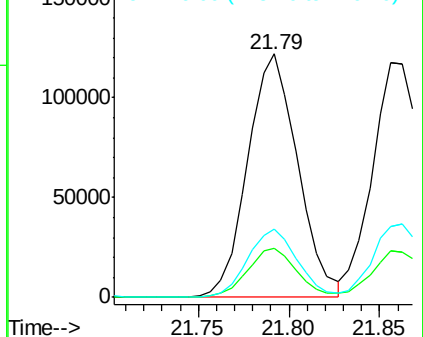
228 100

229 19.9 16.6 25.0

226 28.1 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



#33

Chrysene

Concen: 19.38 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

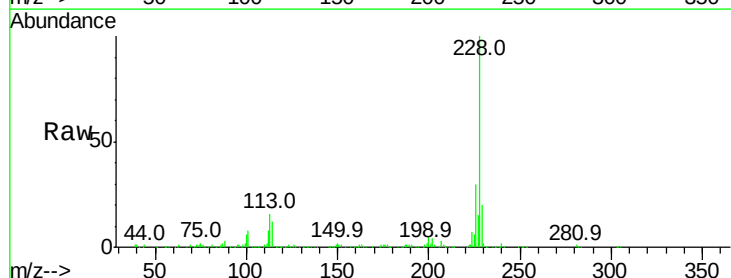
Tgt Ion:228 Resp: 218537

Ion Ratio Lower Upper

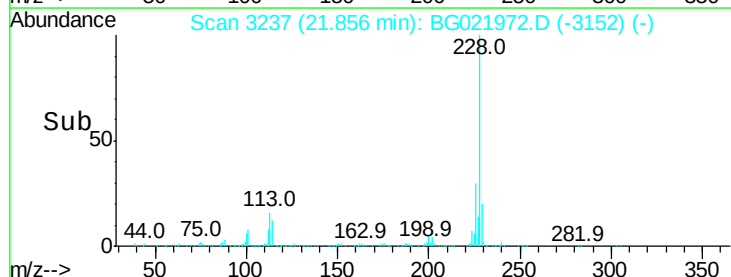
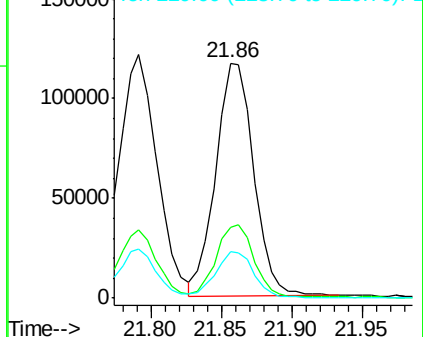
228 100

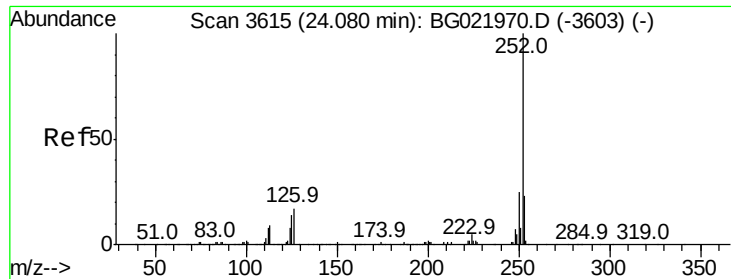
226 30.3 23.4 35.2

229 19.8 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





#35

Benzo(b)fluoranthene

Concen: 20.05 ng/ul

RT: 24.08 min Scan# 3615

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

Instrument :

BNA_G

ClientSampleId :

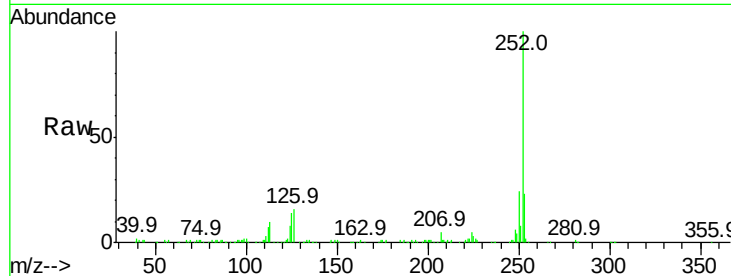
Tot Ion:252 Resp: 221125

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

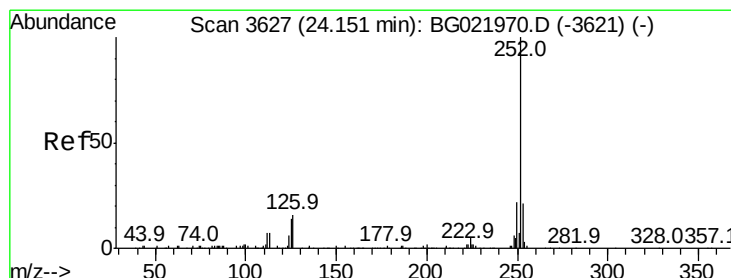
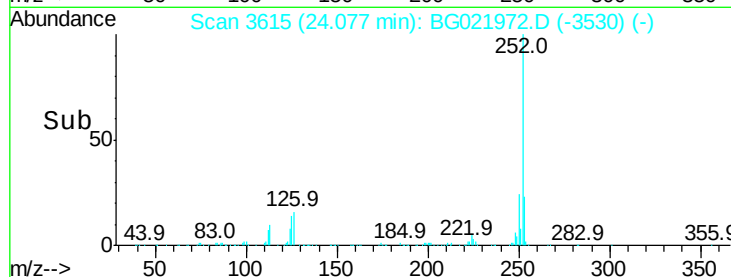
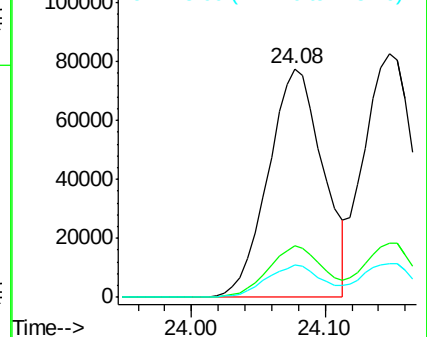
125 13.9 7.6 11.4#



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



#36

Benzo(k)fluoranthene

Concen: 19.96 ng/ul

RT: 24.15 min Scan# 3627

Delta R.T. -0.00 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

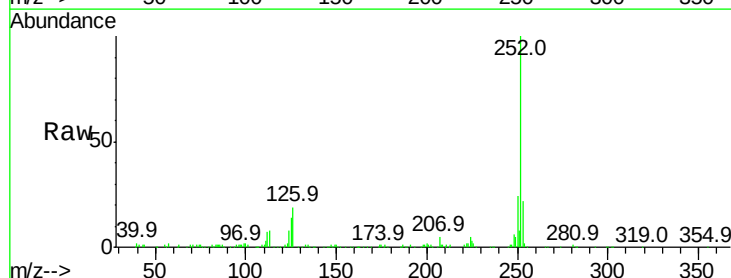
Tgt Ion:252 Resp: 216564

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

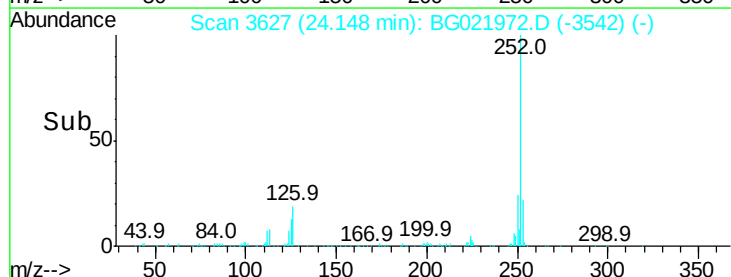
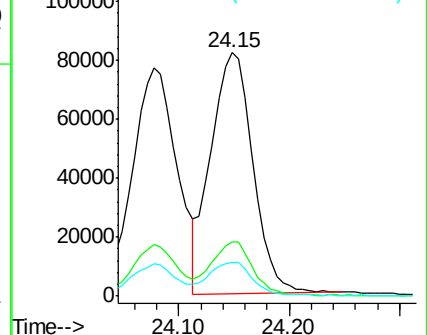
125 13.7 7.7 11.5#

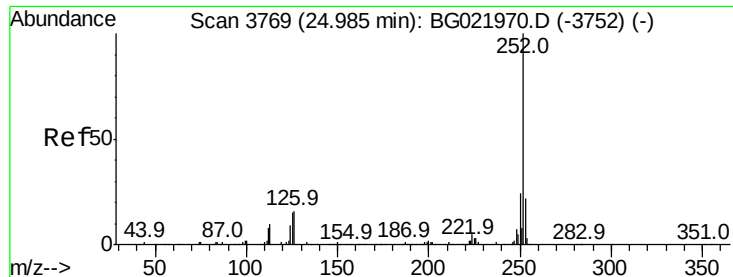


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

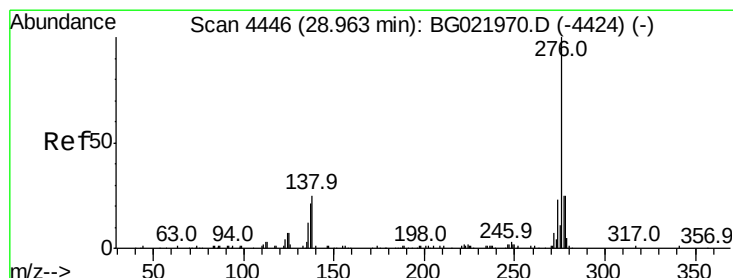
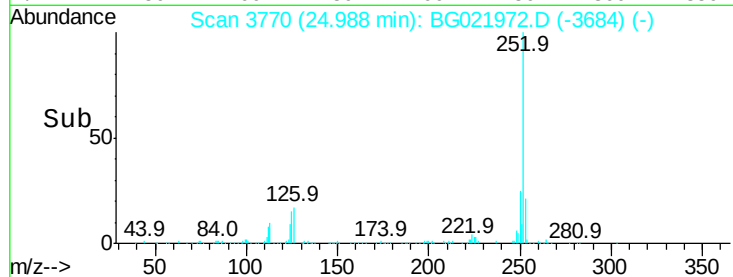
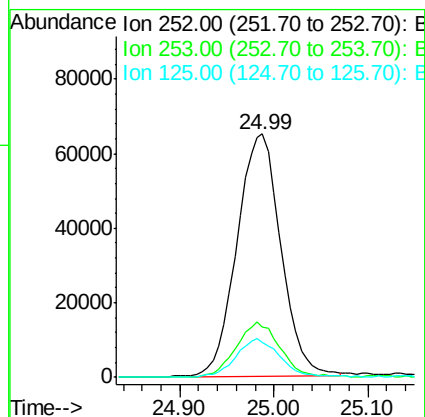
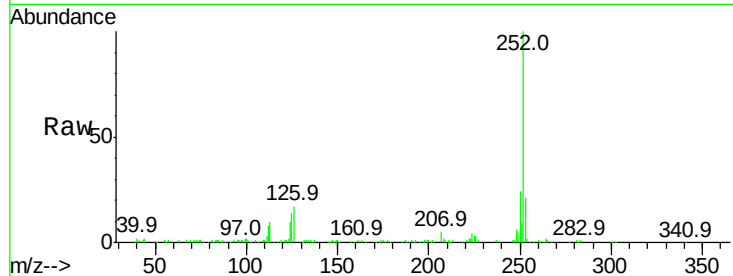




#38
Benzo(a)pyrene
Concen: 19.86 ng/ul
RT: 24.99 min Scan# 3770
Delta R.T. 0.00 min
Lab File: BG021972.D
Acq: 19 May 2016 21:14

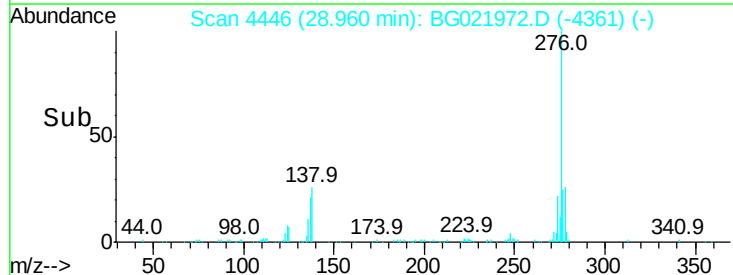
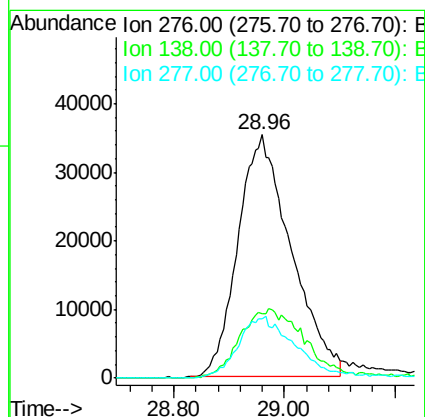
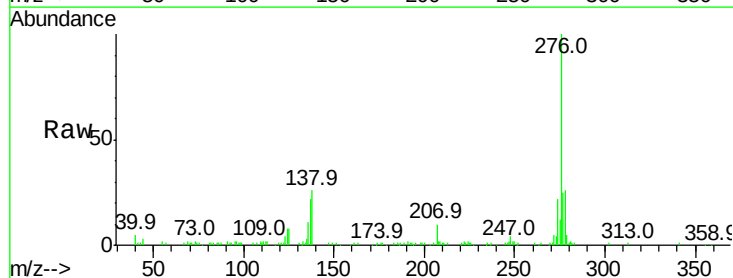
Instrument :
BNA_G
ClientSampleId :

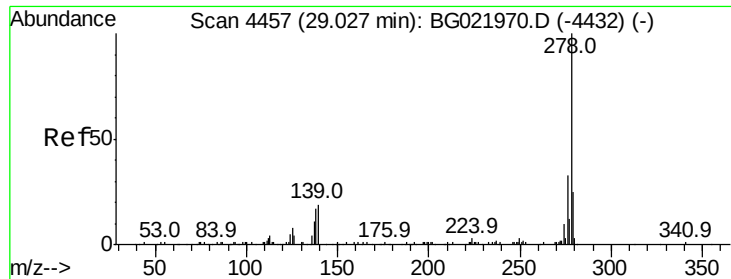
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.0
125	14.5	8.2	12.2#



#39
Indeno(1,2,3-cd)pyrene
Concen: 19.67 ng/ul
RT: 28.96 min Scan# 4446
Delta R.T. -0.00 min
Lab File: BG021972.D
Acq: 19 May 2016 21:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	15.8	23.6#
277	24.6	19.0	28.6





#40

Dibenzo(a,h)anthracene

Concen: 20.58 ng/ul

RT: 29.02 min Scan# 4456

Delta R.T. -0.01 min

Lab File: BG021972.D

Acq: 19 May 2016 21:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:278 Resp: 204373

Ion Ratio Lower Upper

278 100

139 19.1 12.1 18.1#

279 23.2 19.8 29.8

