

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021962.D
 Acq On : 19 May 2016 14:10
 Operator : UM/SJ
 Sample : H3092-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:46:54 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 05:44:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	31156	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	166954	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	95003	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	197094	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	178454	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	168655	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	2331	3.43	ng/uL	0.00
3) Phenol-d5	7.31	99	44928	16.33	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.47	67	26881	18.35	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	41553	18.40	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	31608	12.90	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	21019	17.94	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	22235	17.79	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	39576	17.92	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	38480	22.12	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	141926	19.37	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	191318	20.28	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	9004	6.99	ng/ul	0.00
21) Fluorene-d10	15.77	176	128590	19.50	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	11434	11.69	ng/ul	0.00
26) Anthracene-d10	17.63	188	177998	19.60	ng/ul	0.00
30) Pyrene-d10	19.90	212	183608	19.50	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	153743	20.53	ng/ul	0.00

Target Compounds

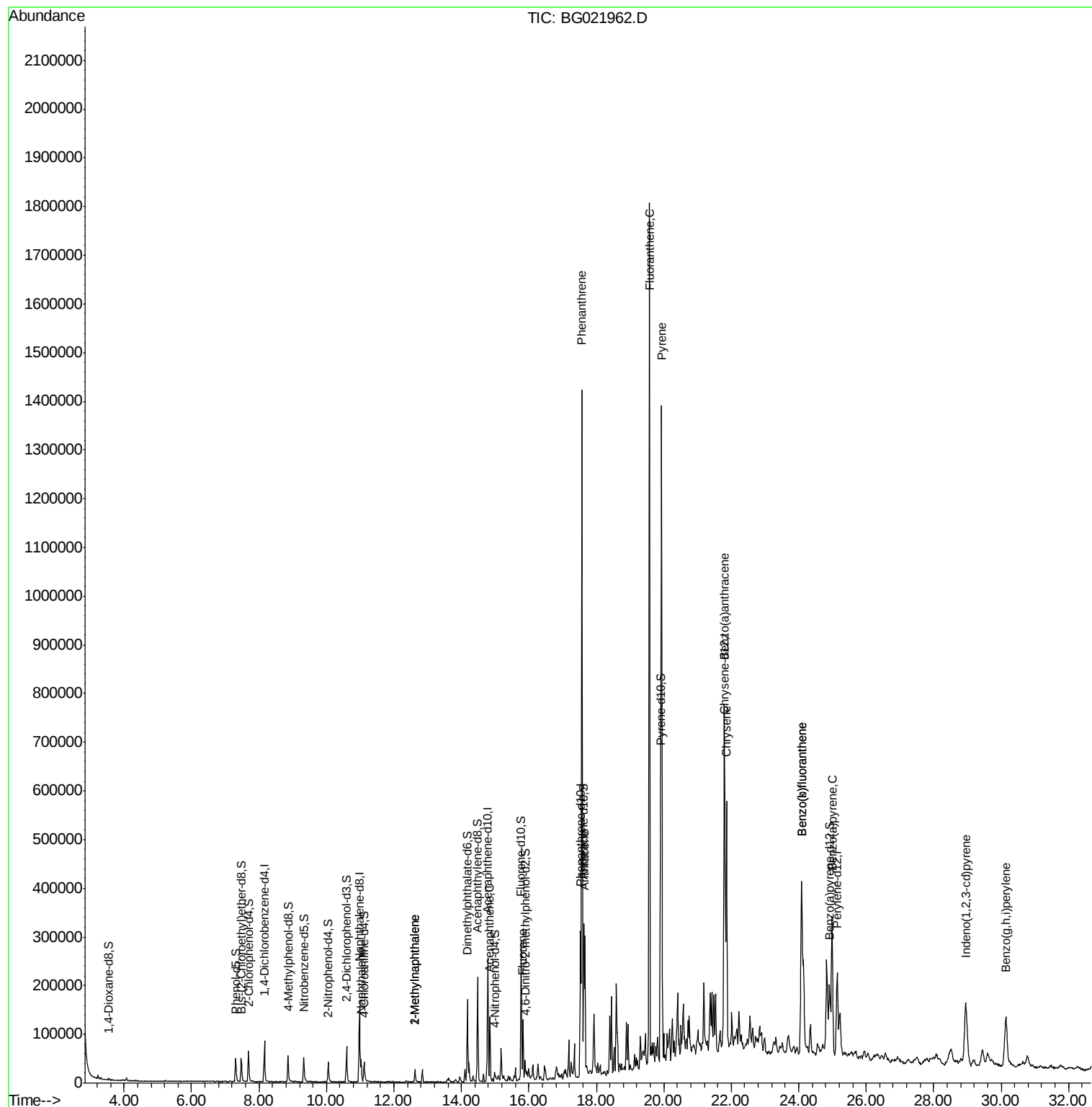
						Ovalue
11) Naphthalene	11.03	128	51501	6.34	ng/ul	99
13) 2-Methylnaphthalene	12.62	142	17387	2.95	ng/ul	99
14) 1-Methylnaphthalene	12.62	142	17387	2.89	ng/ul	93
19) Acenaphthene	14.84	153	63964	9.48	ng/ul	99
22) Fluorene	15.82	166	59535	7.97	ng/ul	99
25) Phenanthrene	17.57	178	969050	91.98	ng/ul	93
27) Anthracene	17.66	178	196267	18.54	ng/ul	99
28) Fluoranthene	19.57	202	1099829	100.45	ng/ul#	90
31) Pvrene	19.94	202	912357	74.24	ng/ul#	90
32) Benzo(a)anthracene	21.79	228	395737	39.98	ng/ul	97
33) Chrysene	21.86	228	353831	36.74	ng/ul	95
35) Benzo(b)fluoranthene	24.08	252	456125	47.05	ng/ul#	93
36) Benzo(k)fluoranthene	24.08	252	456125	47.83	ng/ul#	93
38) Benzo(a)pyrene	24.98	252	304853	32.88	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	28.94	276	204987	19.45	ng/ul#	92
41) Benzo(g,h,i)perylene	30.14	276	192352	21.57	ng/ul#	90

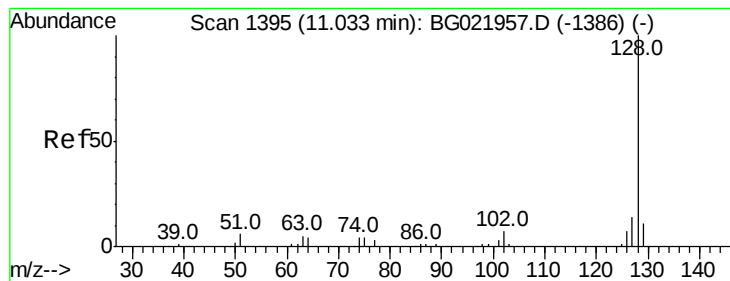
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#11

Naphthalene

Concen: 6.34 ng/ul

RT: 11.03 min Scan# 1394

Delta R.T. -0.00 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

Instrument :

BNA_G

ClientSampleId :

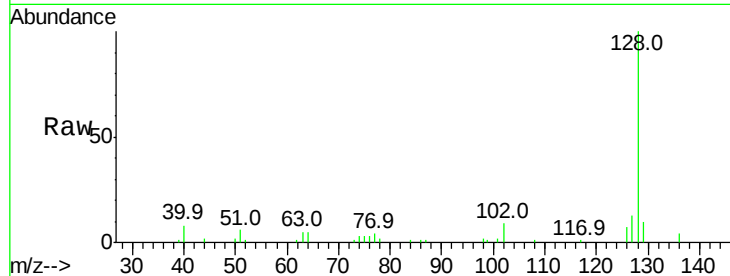
Tot Ion:128 Resp: 51501

Ion Ratio Lower Upper

128 100

129 9.7 8.3 12.5

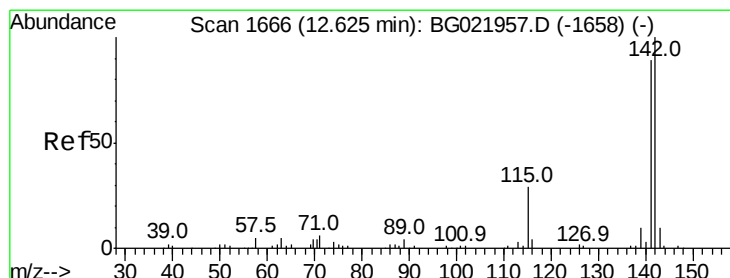
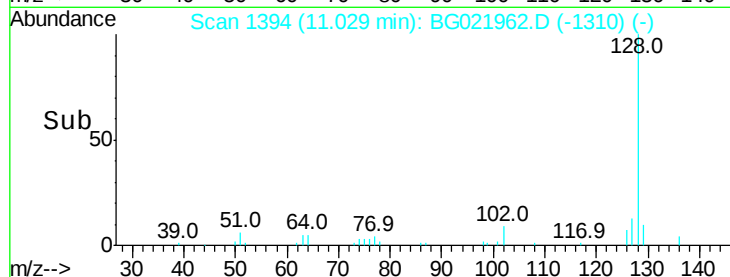
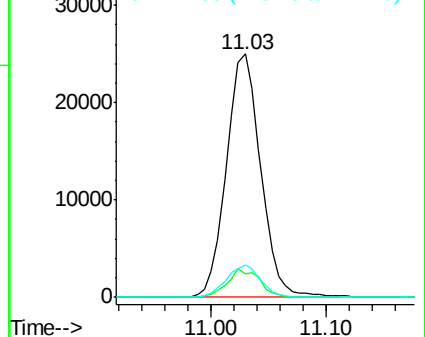
127 13.1 10.8 16.2



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: 2.95 ng/ul

RT: 12.62 min Scan# 1665

Delta R.T. -0.00 min

Lab File: BG021962.D

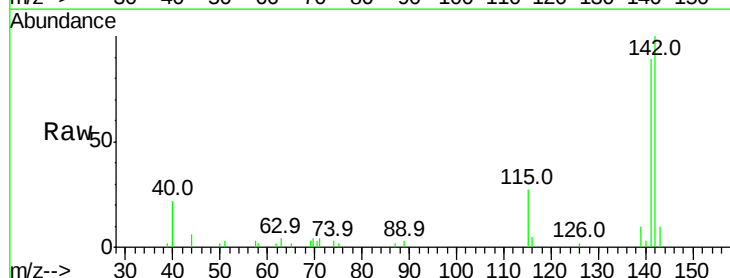
Acq: 19 May 2016 14:10

Tgt Ion:142 Resp: 17387

Ion Ratio Lower Upper

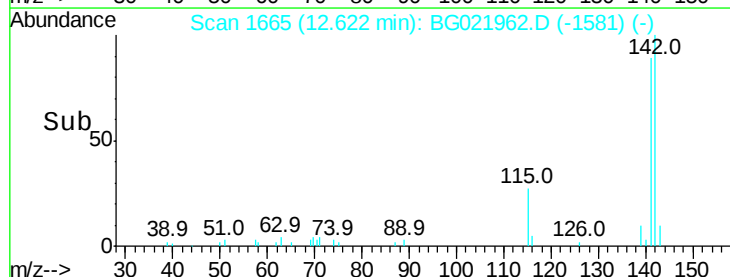
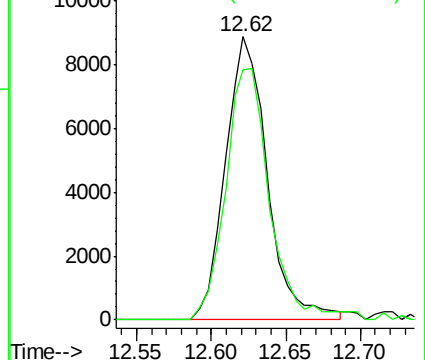
142 100

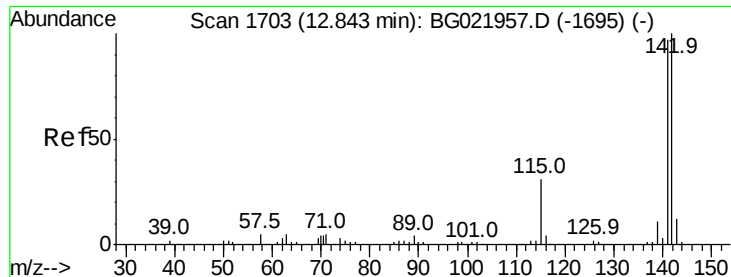
141 88.6 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

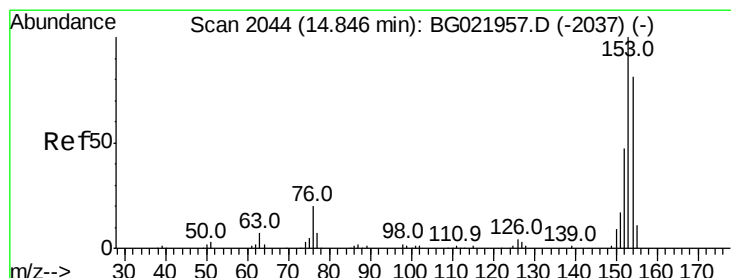
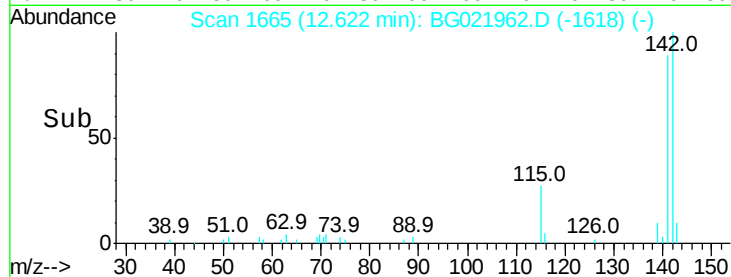
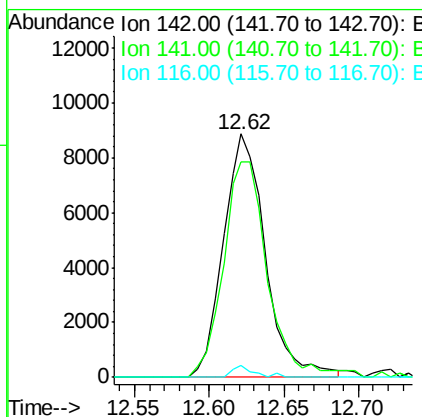
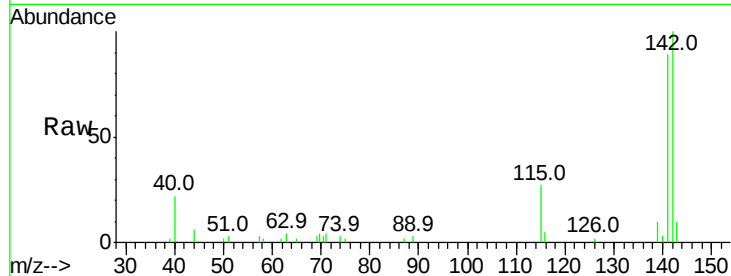




#14
 1-Methylnaphthalene
 Concen: 2.89 ng/ul
 RT: 12.62 min Scan# 1665
 Delta R.T. -0.22 min
 Lab File: BG021962.D
 Acq: 19 May 2016 14:10

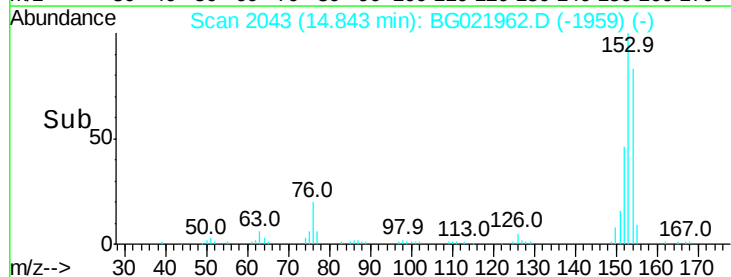
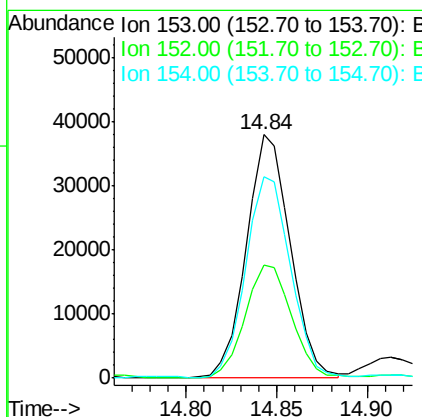
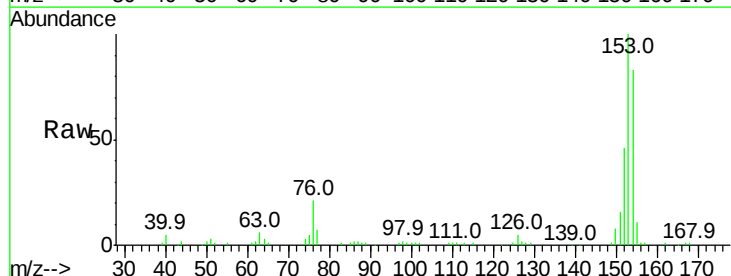
Instrument :
 BNA_G
 ClientSampleId :

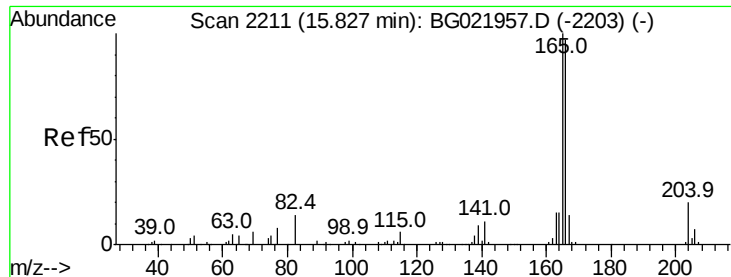
Tot Ion:142 Resp: 17387
 Ion Ratio Lower Upper
 142 100
 141 88.6 77.0 115.4
 116 5.2 4.2 6.4



#19
 Acenaphthene
 Concen: 9.48 ng/ul
 RT: 14.84 min Scan# 2043
 Delta R.T. -0.00 min
 Lab File: BG021962.D
 Acq: 19 May 2016 14:10

Tgt Ion:153 Resp: 63964
 Ion Ratio Lower Upper
 153 100
 152 46.2 36.5 54.7
 154 82.7 67.3 100.9





#22

Fluorene

Concen: 7.97 ng/ul

RT: 15.82 min Scan# 2210

Delta R.T. -0.00 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

Instrument :

BNA_G

ClientSampleId :

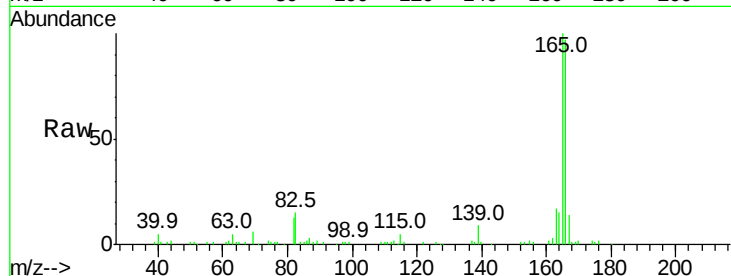
Tot Ion:166 Resp: 59535

Ion Ratio Lower Upper

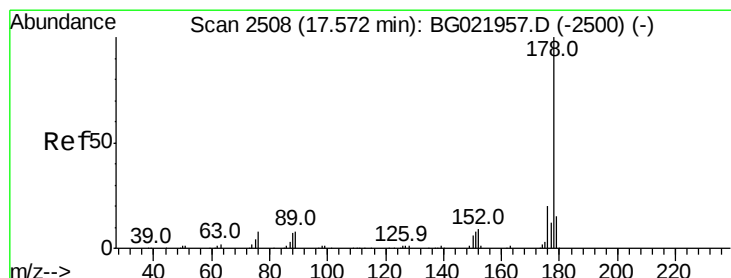
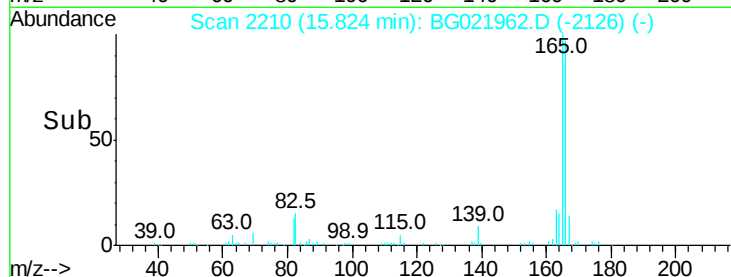
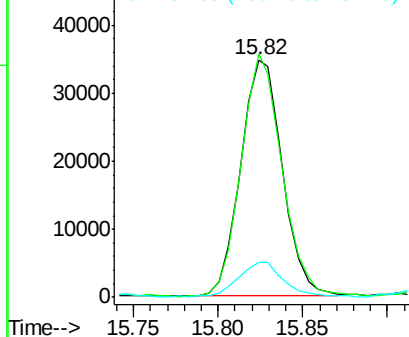
166 100

165 102.6 81.1 121.7

167 14.7 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: 91.98 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

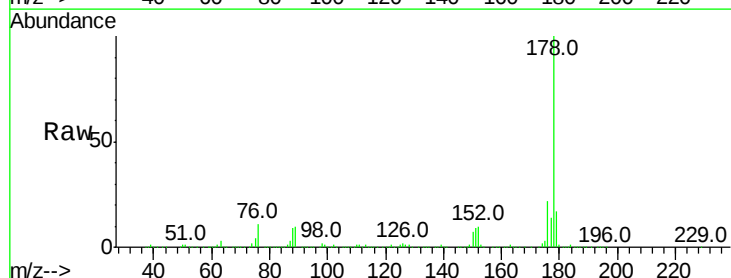
Tgt Ion:178 Resp: 969050

Ion Ratio Lower Upper

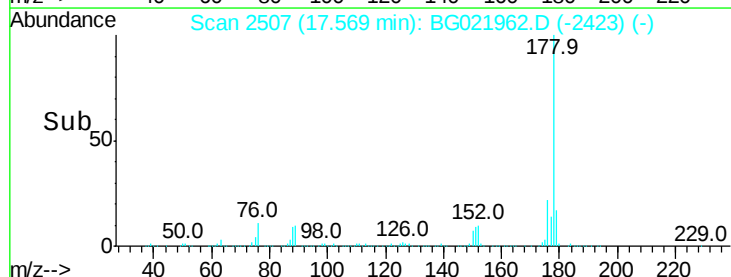
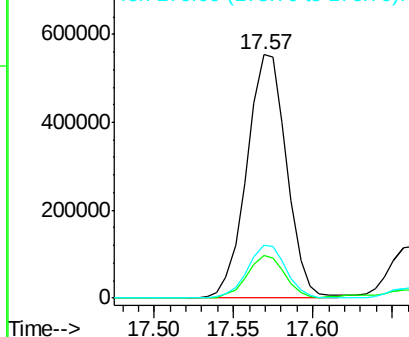
178 100

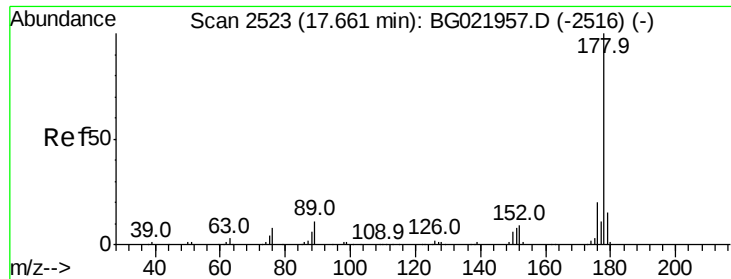
179 17.3 11.8 17.8

176 21.6 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: 18.54 ng/ul

RT: 17.66 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

Instrument :

BNA_G

ClientSampleId :

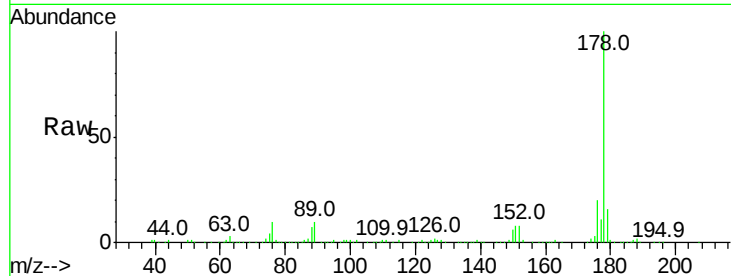
Tot Ion:178 Resp: 196267

Ion Ratio Lower Upper

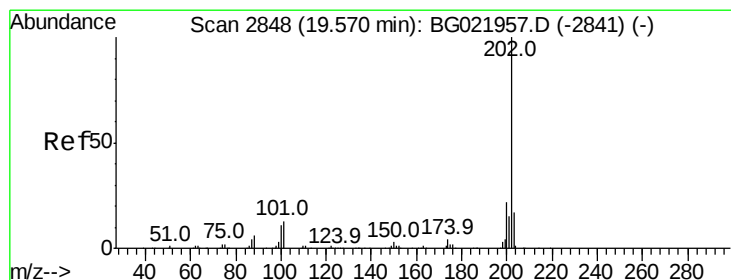
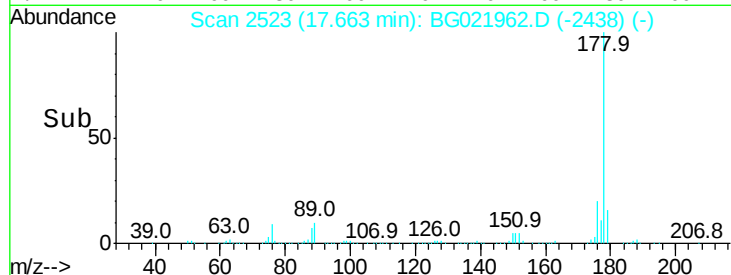
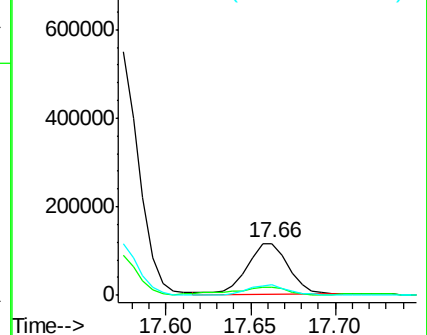
178 100

179 15.8 12.9 19.3

176 20.2 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



#28

Fluoranthene

Concen: 100.45 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

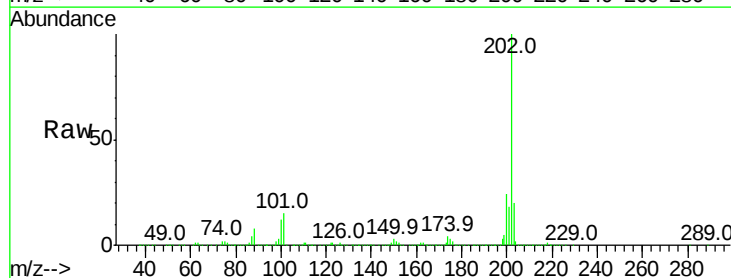
Tgt Ion:202 Resp: 1099829

Ion Ratio Lower Upper

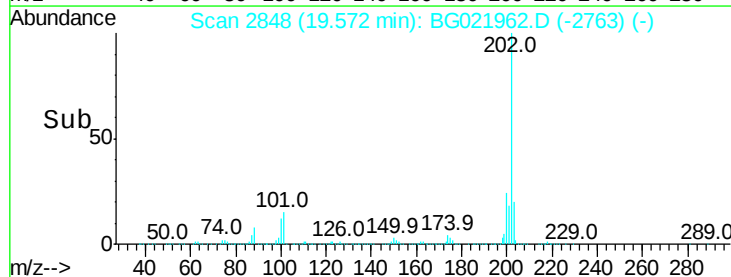
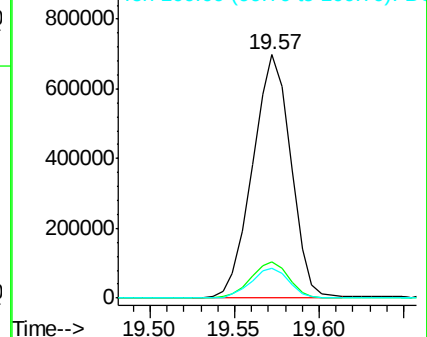
202 100

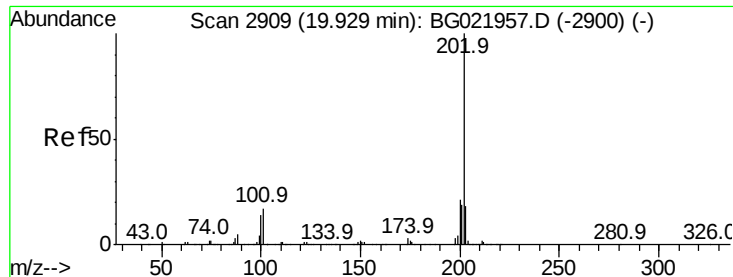
101 14.8 8.9 13.3#

100 12.2 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

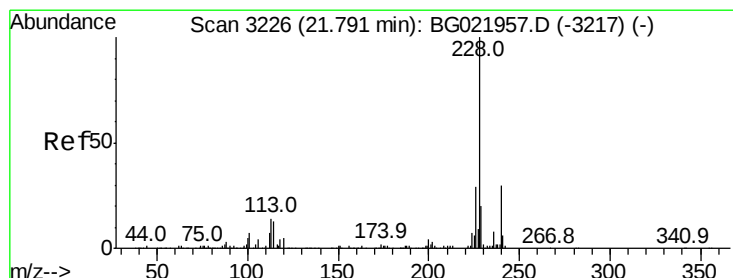
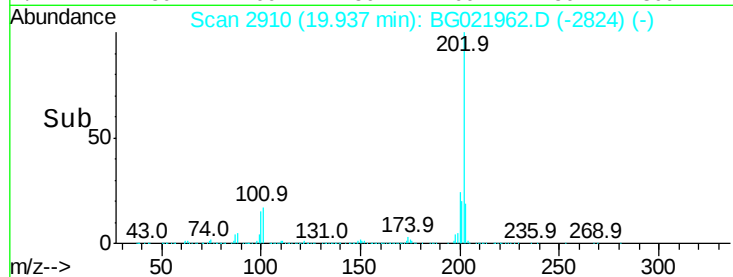
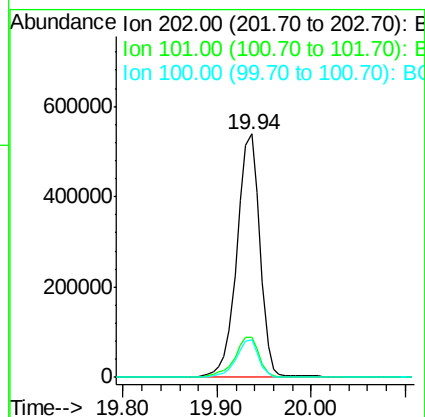
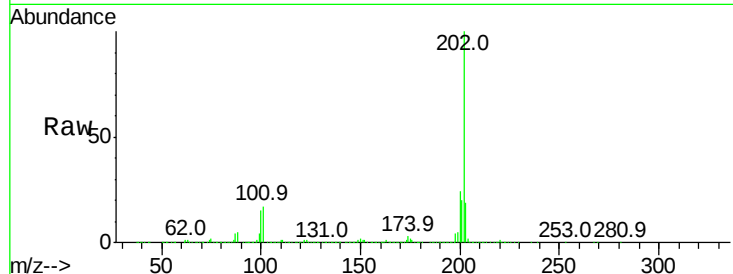




#31
Pvrene
Concen: 74.24 ng/ul
RT: 19.94 min Scan# 2910
Delta R.T. 0.01 min
Lab File: BG021962.D
Acq: 19 May 2016 14:10

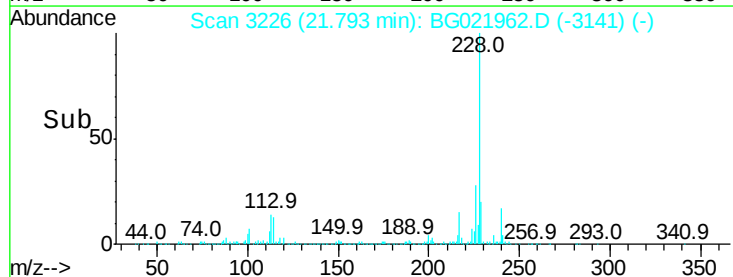
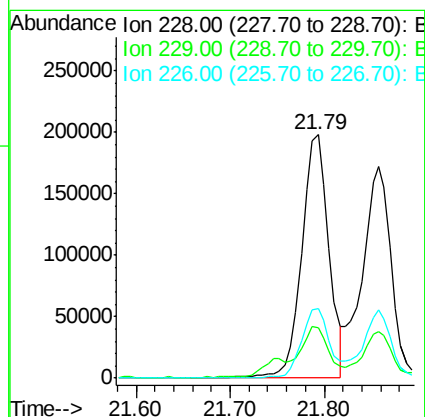
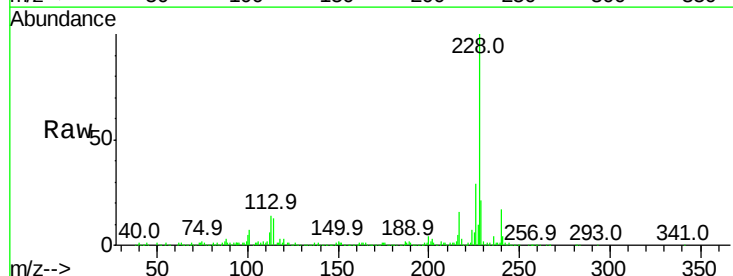
Instrument :
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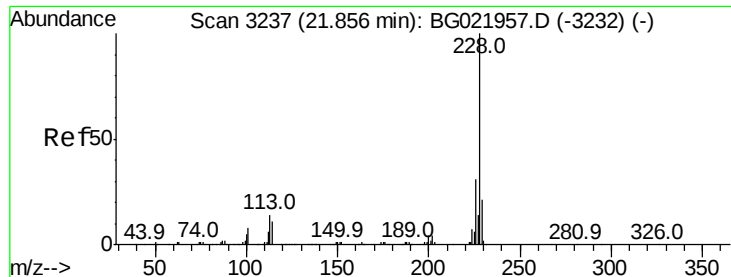
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.7	9.8	14.8#
100	15.2	9.3	13.9#



#32
Benzo(a)anthracene
Concen: 39.98 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.00 min
Lab File: BG021962.D
Acq: 19 May 2016 14:10

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	28.6	21.0	31.4





#33

Chrysene

Concen: 36.74 ng/ul

RT: 21.86 min Scan# 3237

Delta R.T. 0.00 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

Instrument :

BNA_G

ClientSampleId :

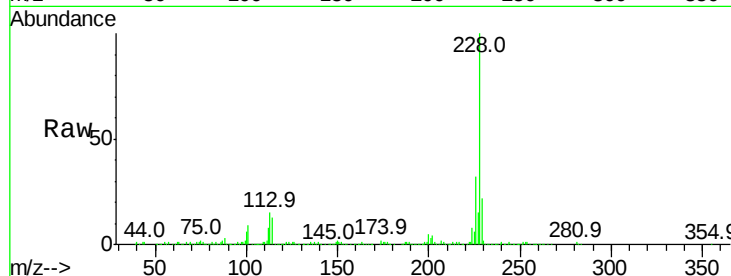
Tot Ion:228 Resp: 353831

Ion Ratio Lower Upper

228 100

226 32.4 23.4 35.2

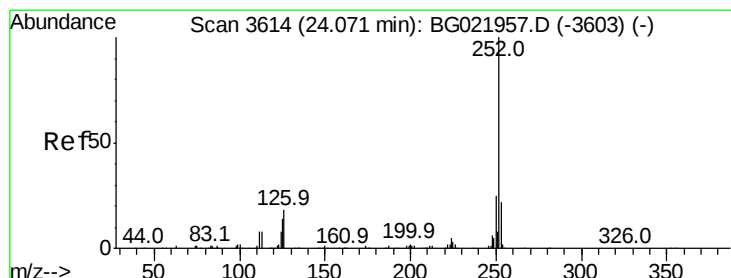
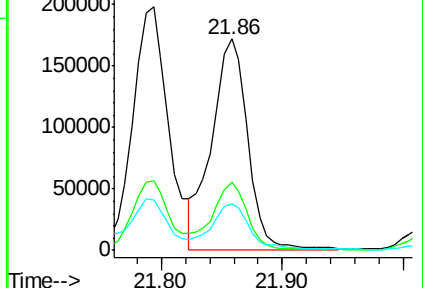
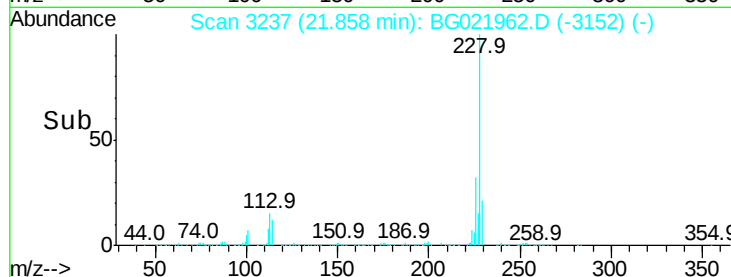
229 21.8 16.2 24.2



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: 47.05 ng/ul

RT: 24.08 min Scan# 3616

Delta R.T. 0.01 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

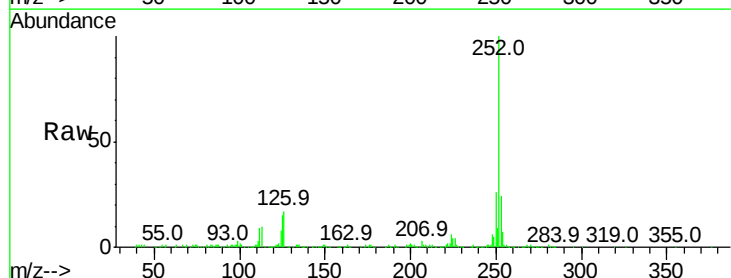
Tgt Ion:252 Resp: 456125

Ion Ratio Lower Upper

252 100

253 23.9 18.1 27.1

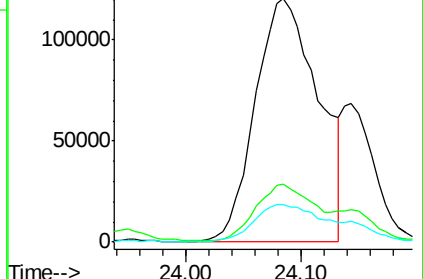
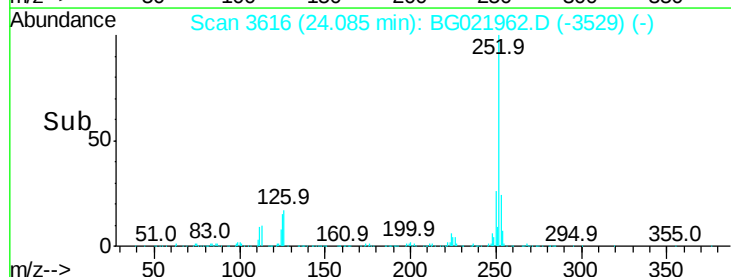
125 15.2 7.6 11.4#

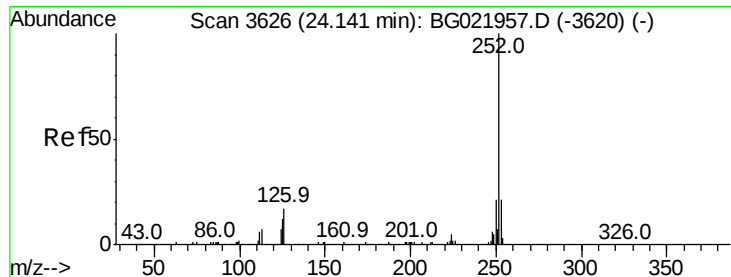


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 47.83 ng/ul

RT: 24.08 min Scan# 3616

Delta R.T. -0.06 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

Instrument :

BNA_G

ClientSampleId :

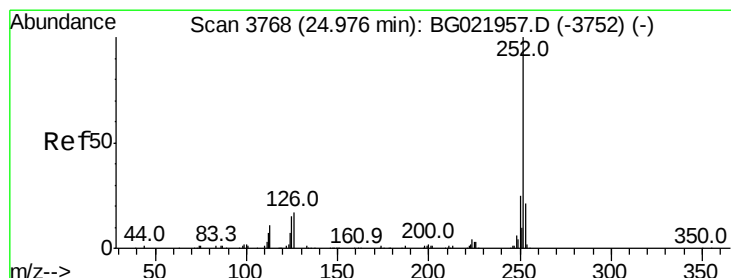
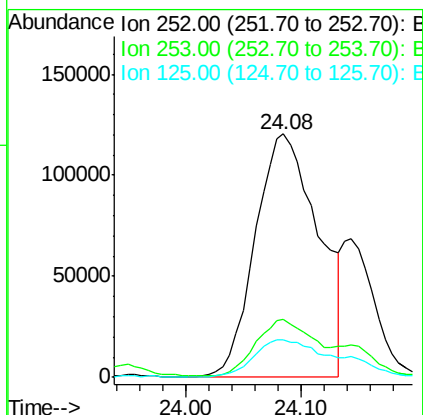
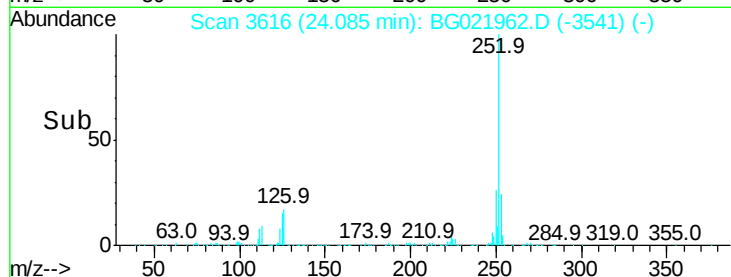
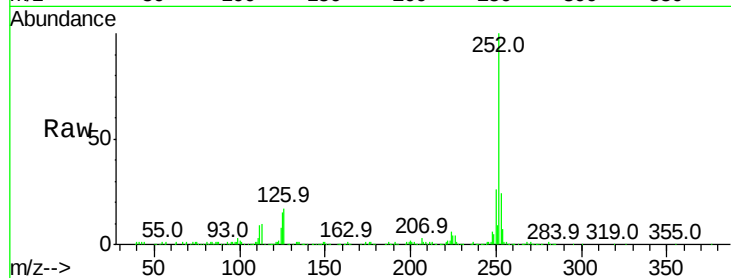
Tot Ion:252 Resp: 456125

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 15.2 7.7 11.5#



#38

Benzo(a)pyrene

Concen: 32.88 ng/ul

RT: 24.98 min Scan# 3769

Delta R.T. 0.01 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

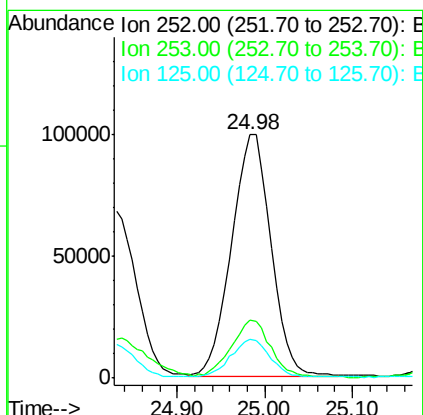
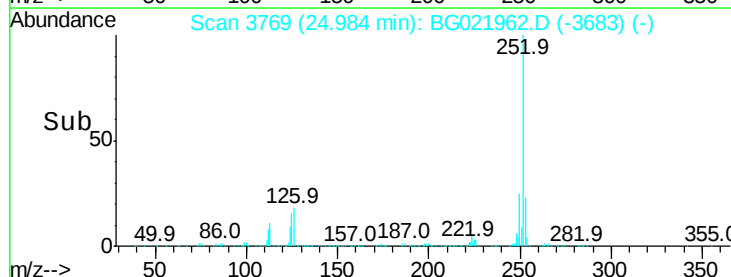
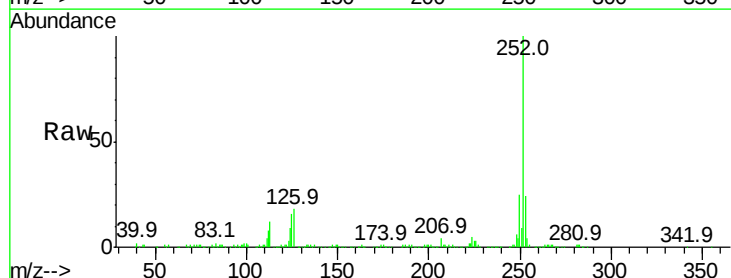
Tgt Ion:252 Resp: 304853

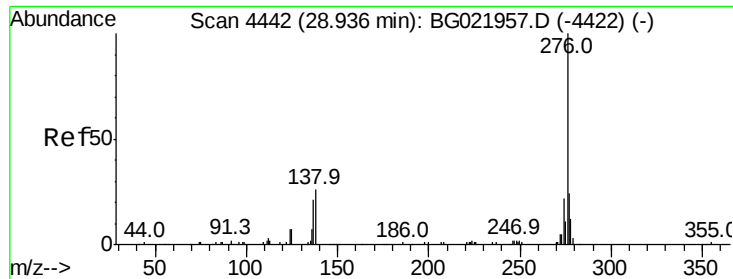
Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 16.0 8.2 12.2#





#39

Indeno(1,2,3-cd)pyrene

Concen: 19.45 ng/ul

RT: 28.94 min Scan# 4443

Delta R.T. 0.01 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

Instrument :

BNA_G

ClientSampled :

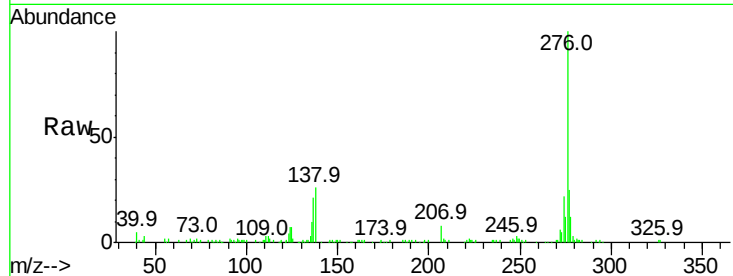
Tot Ion:276 Resp: 204987

Ion Ratio Lower Upper

276 100

138 26.4 15.8 23.6#

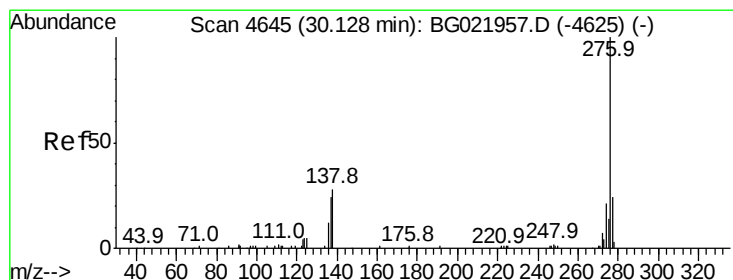
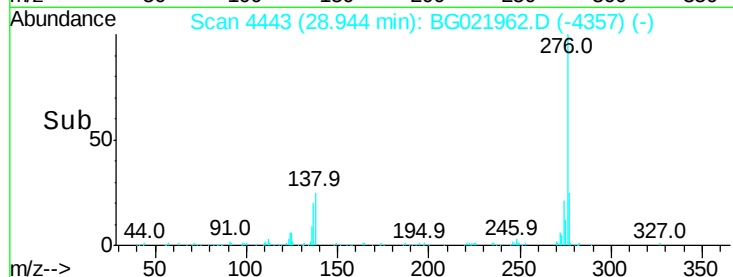
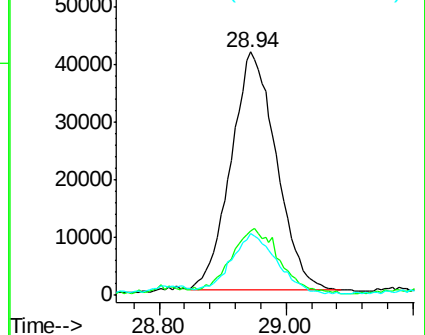
277 25.2 19.0 28.6



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



#41

Benzo(g,h,i)perylene

Concen: 21.57 ng/ul

RT: 30.14 min Scan# 4647

Delta R.T. 0.01 min

Lab File: BG021962.D

Acq: 19 May 2016 14:10

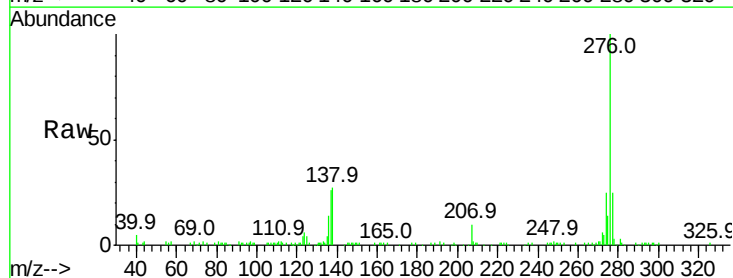
Tgt Ion:276 Resp: 192352

Ion Ratio Lower Upper

276 100

138 27.5 13.9 20.9#

277 25.2 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

