

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021963.D
 Acq On : 19 May 2016 14:50
 Operator : UM/SJ
 Sample : H3092-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:47:09 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	39271	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	204533	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	119137	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	239918	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	207352	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	197385	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	1943	2.27	ng/uL	0.00
3) Phenol-d5	7.31	99	43275	12.48	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	23191	12.56	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	38363	13.47	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	30679	9.93	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	18548	12.93	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	20254	13.23	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	34229	12.65	ng/ul	0.00
12) 4-Chloroaniline-d4	11.11	131	27622	12.96	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	126540	13.78	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	170306	14.39	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	4979	3.08	ng/ul	0.02
21) Fluorene-d10	15.77	176	112196	13.57	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.88	200	10103	8.49	ng/ul	0.00
26) Anthracene-d10	17.53	188	239918	21.70	ng/ul	-0.10
30) Pyrene-d10	19.90	212	163118	14.91	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	128734	14.69	ng/ul	0.00

Target Compounds

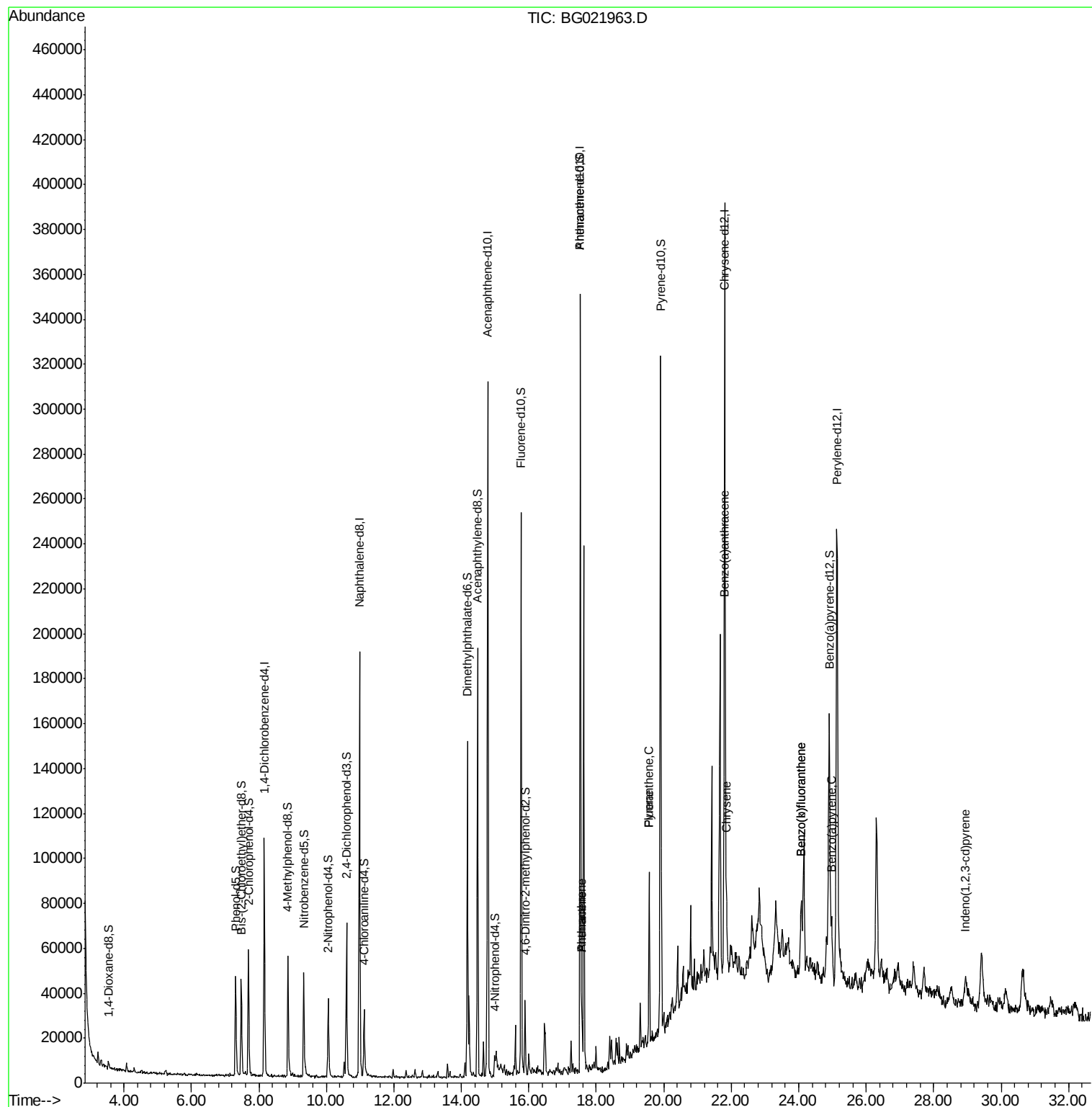
					Ovalue
25) Phenanthrene	17.57	178	20956	1.63 ng/ul	97
27) Anthracene	17.57	178	20956	1.63 ng/ul	99
28) Fluoranthene	19.57	202	47479	3.56 ng/ul#	92
31) Pyrene	19.57	202	47479	3.32 ng/ul	97
32) Benzo(a)anthracene	21.78	228	25418	2.21 ng/ul	98
33) Chrysene	21.85	228	23856	2.13 ng/ul	94
35) Benzo(b)fluoranthene	24.07	252	36874	3.25 ng/ul#	89
36) Benzo(k)fluoranthene	24.07	252	36874	3.30 ng/ul#	89
38) Benzo(a)pyrene	24.97	252	23876	2.20 ng/ul#	84
39) Indeno(1,2,3-cd)pyrene	28.93	276	13819	1.12 ng/ul#	88

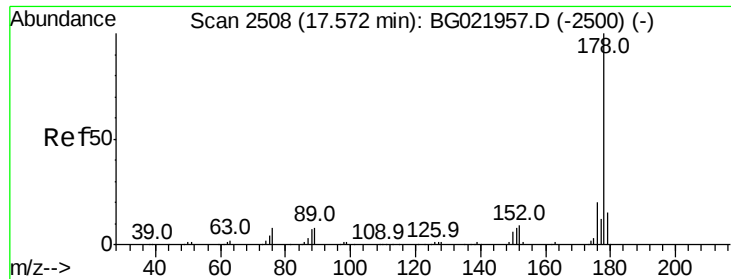
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 20 05:44:47 2016
Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.63 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

Instrument :

BNA_G

ClientSampleId :

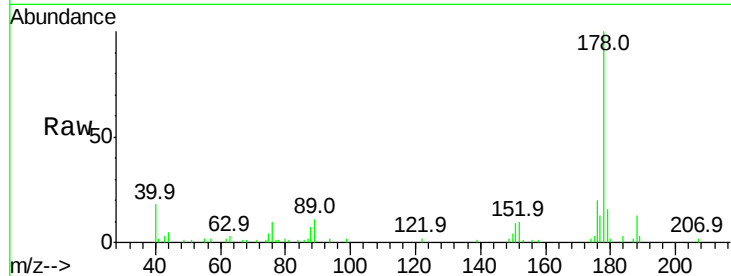
Tot Ion:178 Resp: 20956

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.7	14.8	22.2

178 100

179 15.7 11.8 17.8

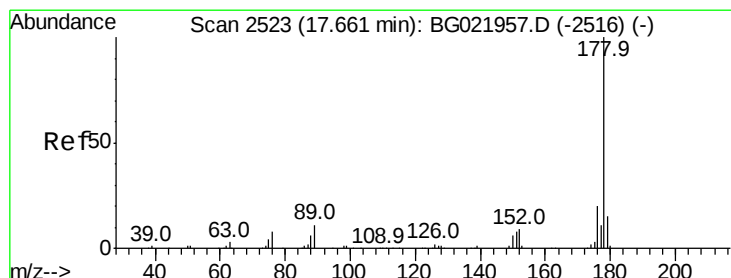
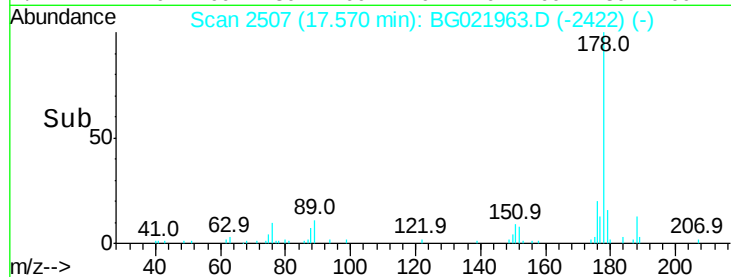
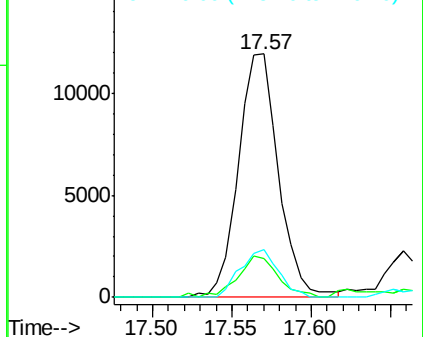
176 19.7 14.8 22.2



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: 1.63 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.09 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

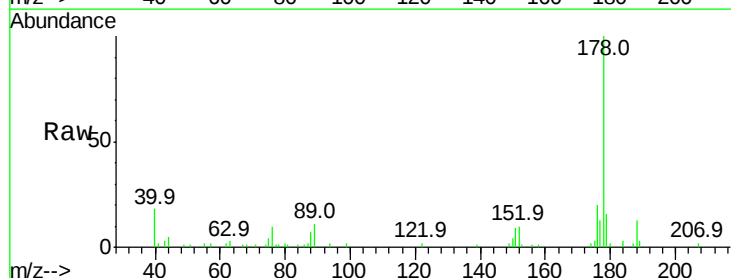
Tgt Ion:178 Resp: 20956

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.9	19.3
176	19.7	15.6	23.4

178 100

179 15.7 12.9 19.3

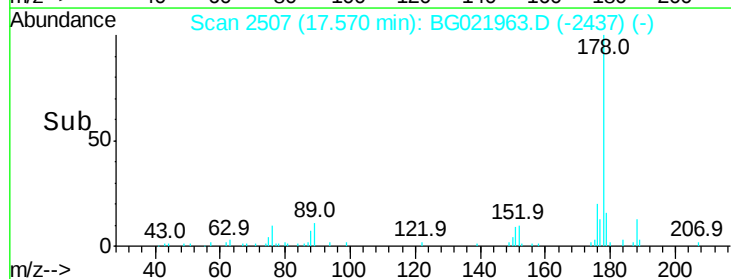
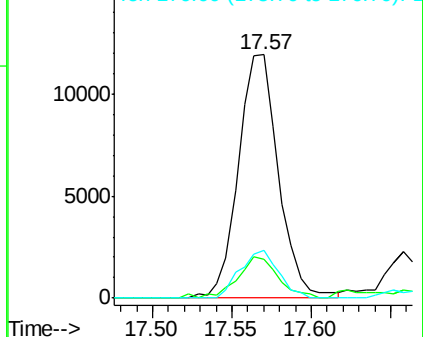
176 19.7 15.6 23.4

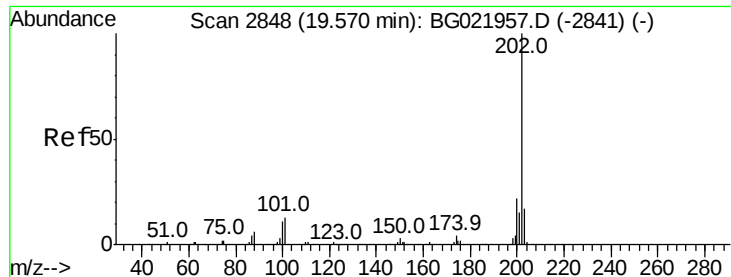


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 3.56 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

Instrument :

BNA_G

ClientSampleId :

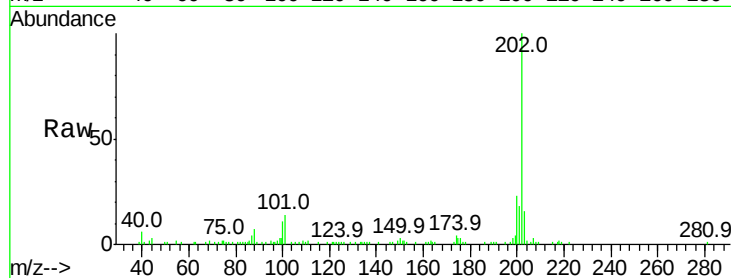
Tot Ion:202 Resp: 47479

Ion Ratio Lower Upper

202 100

101 14.4 8.9 13.3#

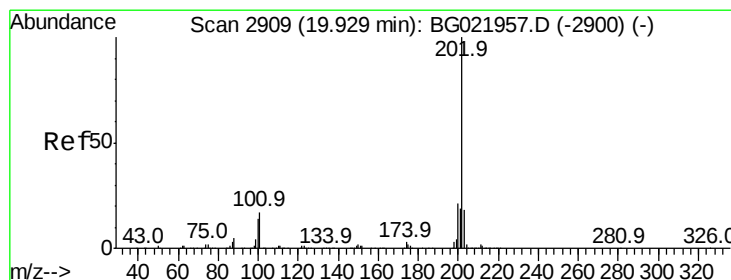
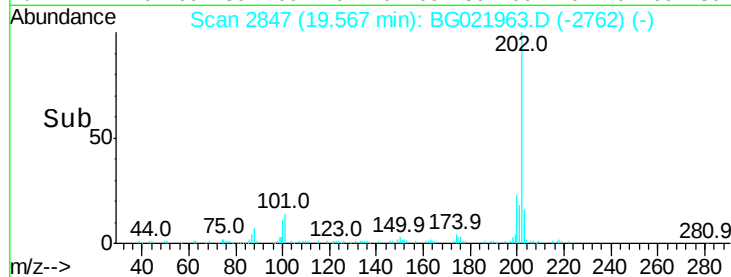
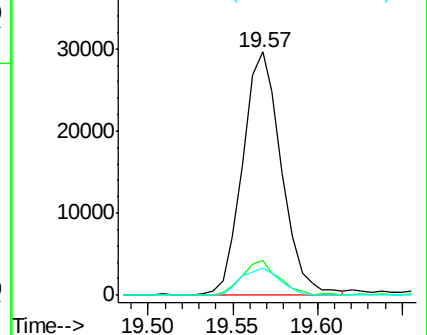
100 11.4 7.0 10.4#



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): B



#31

Pyrene

Concen: 3.32 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.36 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

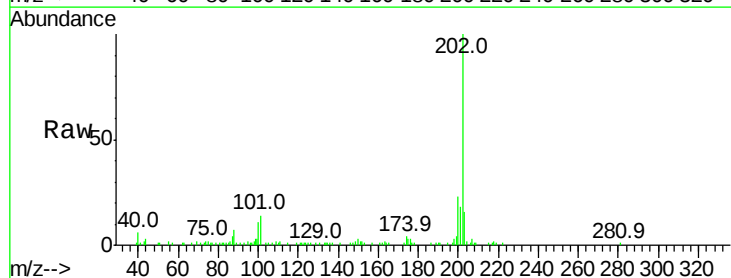
Tgt Ion:202 Resp: 47479

Ion Ratio Lower Upper

202 100

101 14.4 9.8 14.8

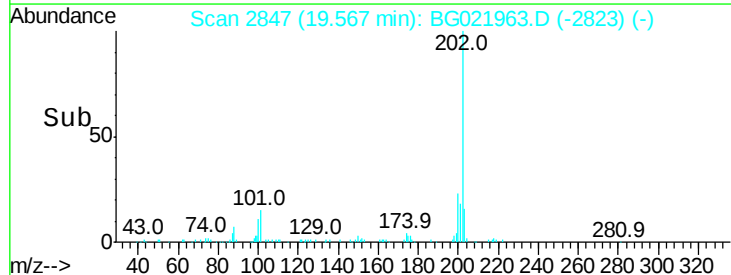
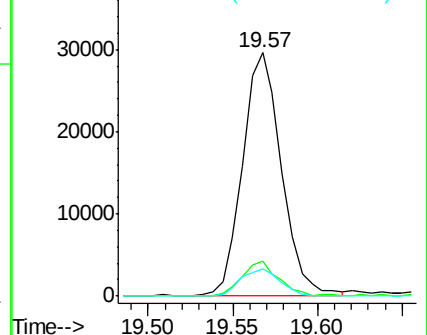
100 11.4 9.3 13.9

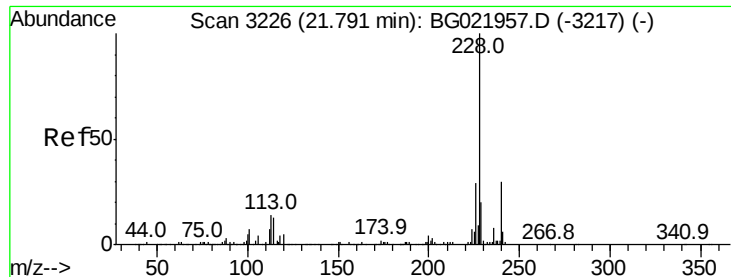


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

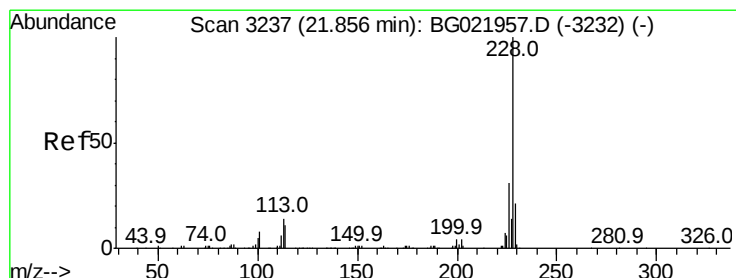
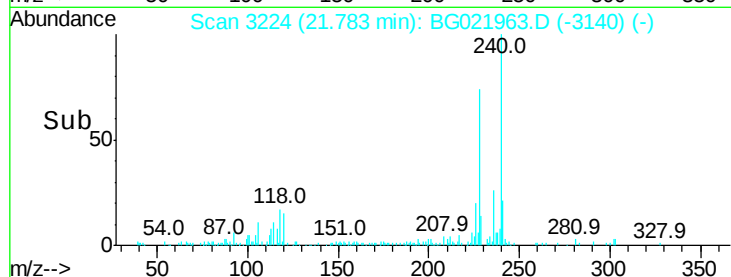
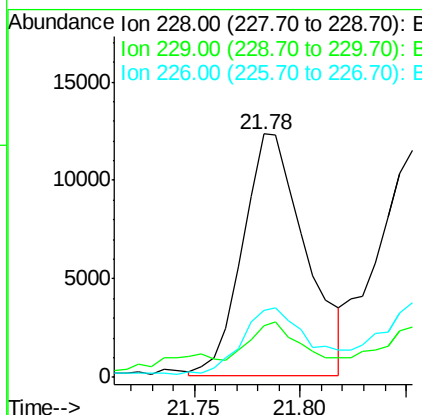
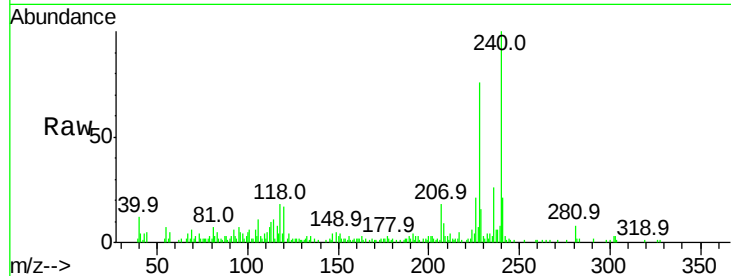




#32
Benzo(a)anthracene
Concen: 2.21 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BG021963.D
Acq: 19 May 2016 14:50

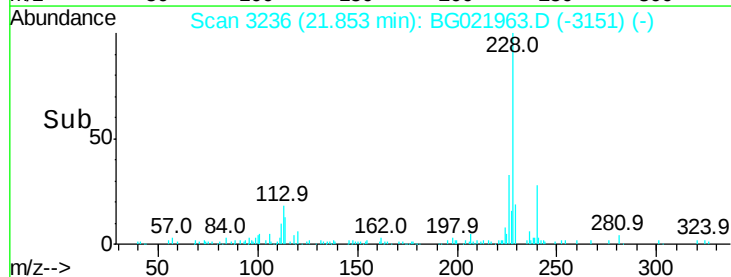
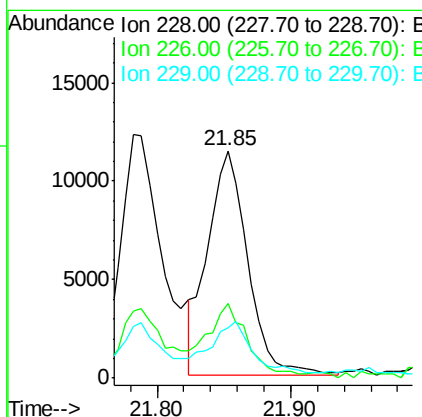
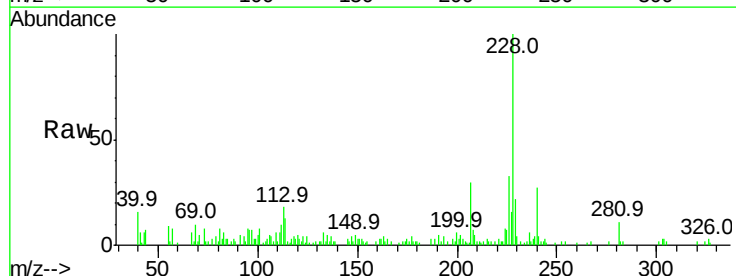
Instrument :
BNA_G
ClientSampleId :

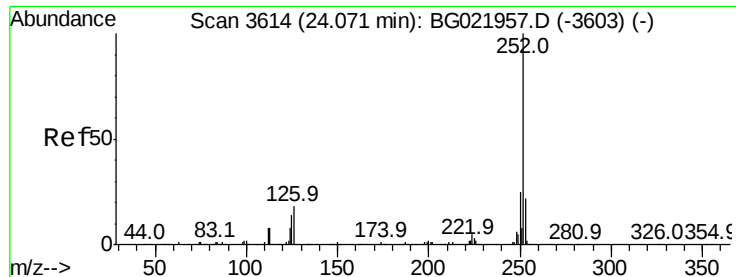
Tot Ion:228 Resp: 25418
Ion Ratio Lower Upper
228 100
229 21.4 16.6 25.0
226 27.8 21.0 31.4



#33
Chrysene
Concen: 2.13 ng/ul
RT: 21.85 min Scan# 3236
Delta R.T. -0.00 min
Lab File: BG021963.D
Acq: 19 May 2016 14:50

Tgt Ion:228 Resp: 23856
Ion Ratio Lower Upper
228 100
226 32.9 23.4 35.2
229 22.4 16.2 24.2





#35

Benzo(b)fluoranthene

Concen: 3.25 ng/ul

RT: 24.07 min Scan# 3614

Delta R.T. 0.00 min

Lab File: BG021963.D

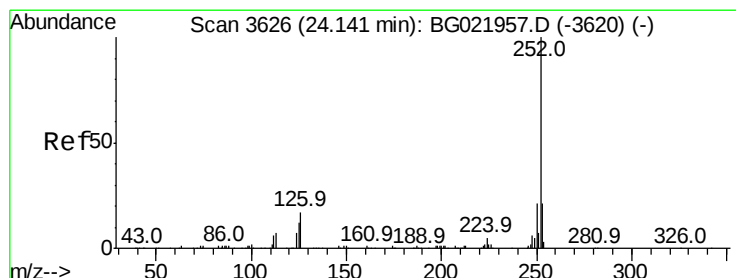
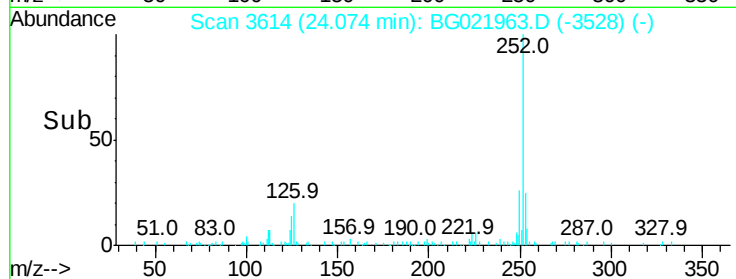
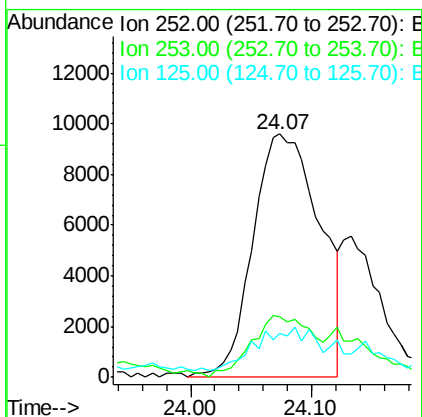
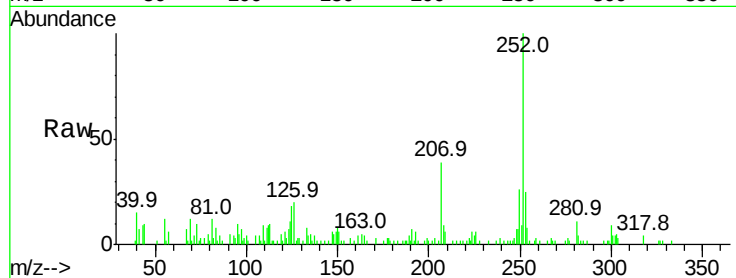
Acq: 19 May 2016 14:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion:252	Resp:	36874
Ion Ratio	Lower	Upper
252	100	
253	25.1	18.1 27.1
125	18.1	7.6 11.4#



#36

Benzo(k)fluoranthene

Concen: 3.30 ng/ul

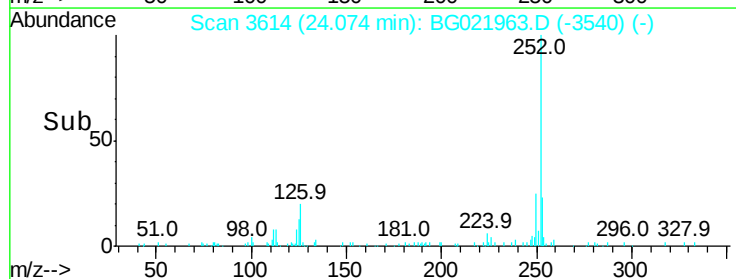
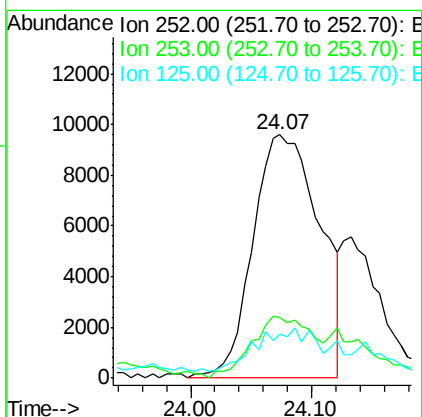
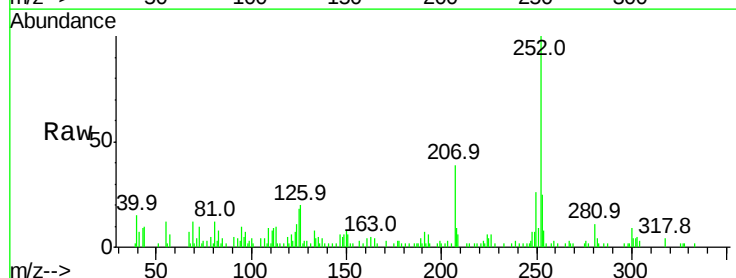
RT: 24.07 min Scan# 3614

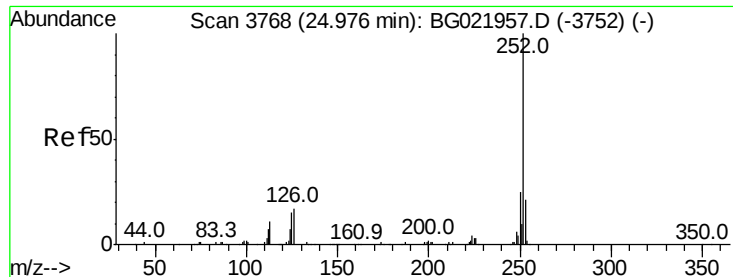
Delta R.T. -0.07 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

Tgt Ion:252	Resp:	36874
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.8 26.8
125	18.1	7.7 11.5#





#38

Benzo(a)pyrene

Concen: 2.20 ng/ul

RT: 24.97 min Scan# 3767

Delta R.T. -0.00 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

Instrument :

BNA_G

ClientSampleId :

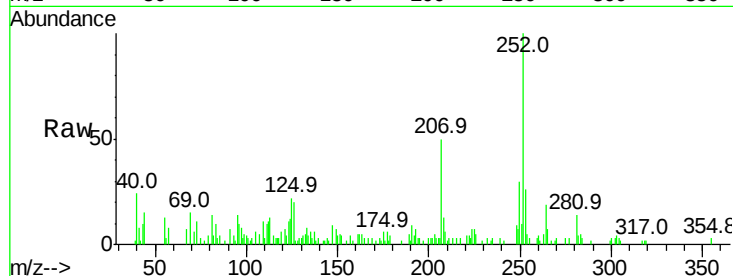
Tot Ion:252 Resp: 23876

Ion Ratio Lower Upper

252 100

253 26.2 17.4 26.0#

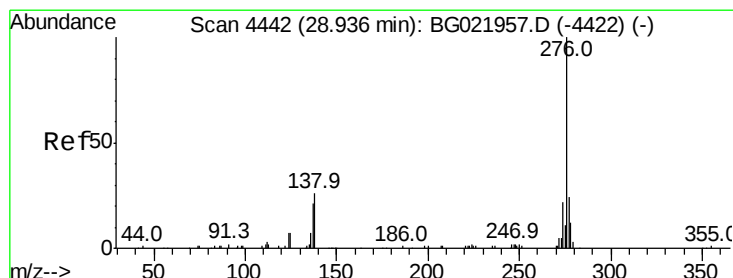
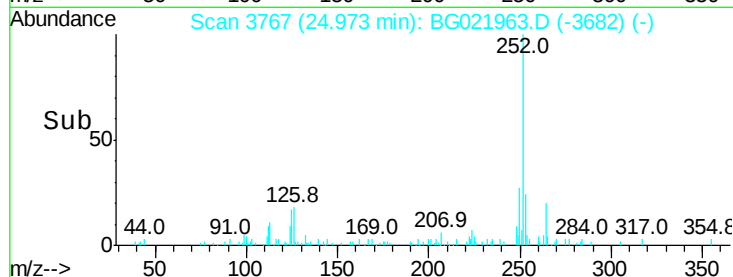
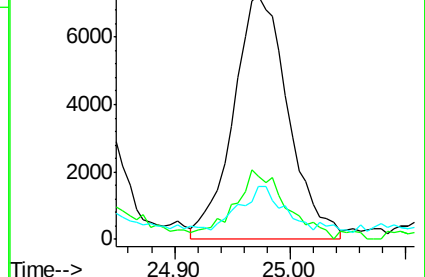
125 21.6 8.2 12.2#



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 1.12 ng/ul

RT: 28.93 min Scan# 4441

Delta R.T. -0.00 min

Lab File: BG021963.D

Acq: 19 May 2016 14:50

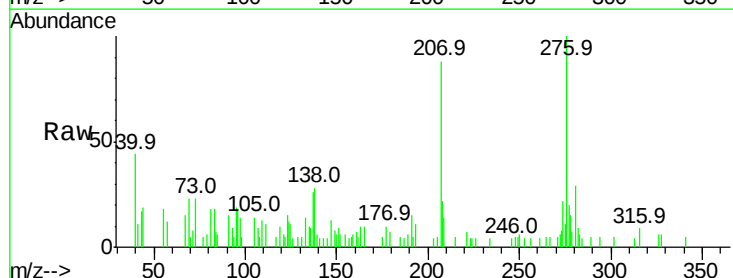
Tgt Ion:276 Resp: 13819

Ion Ratio Lower Upper

276 100

138 27.5 15.8 23.6#

277 20.2 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

