

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021965.D
 Acq On : 19 May 2016 16:09
 Operator : UM/SJ
 Sample : H3092-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:47:32 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	37933	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	198177	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	110028	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	207694	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	178939	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	172180	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	2424	2.93	ng/uL	0.00
3) Phenol-d5	7.32	99	39376	11.76	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	25887	14.51	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	38011	13.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	15652	5.25	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	20221	14.54	ng/ul	0.00
9) 2-Nitrophenol-d4	10.05	143	22644	15.26	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	32619	12.44	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	36187	17.52	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	128299	15.12	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	176419	16.14	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	6466	4.33	ng/ul	0.02
21) Fluorene-d10	15.78	176	114315	14.97	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	9420	9.14	ng/ul	0.00
26) Anthracene-d10	17.53	188	207694	21.70	ng/ul	-0.10
30) Pyrene-d10	19.91	212	150025	15.89	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	123513	16.15	ng/ul	0.00

Target Compounds

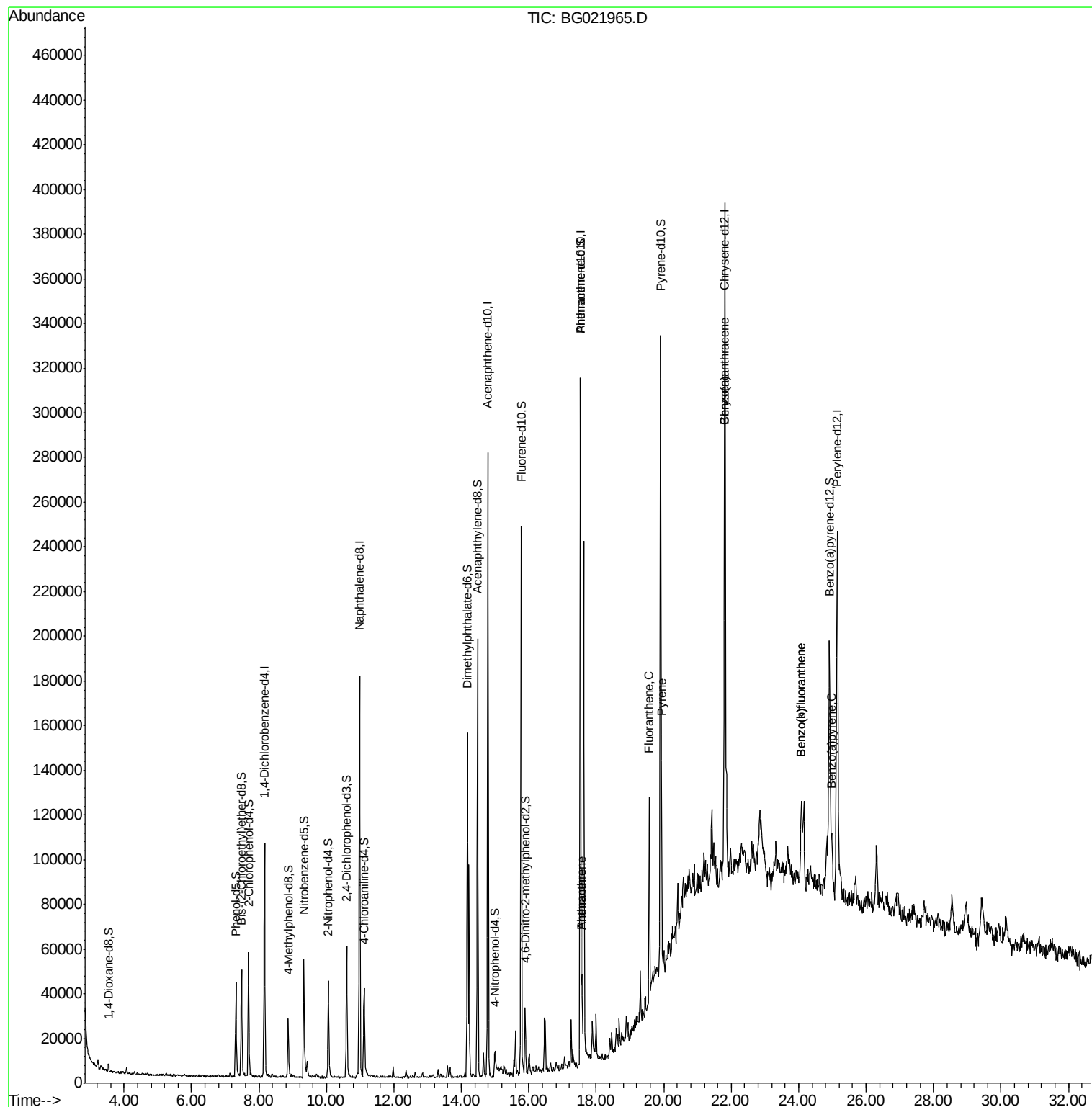
						Ovalue
25) Phenanthrene	17.57	178	23332	2.10	ng/ul#	94
27) Anthracene	17.57	178	23332	2.09	ng/ul	94
28) Fluoranthene	19.57	202	59386	5.15	ng/ul#	94
31) Pyrene	19.94	202	51200	4.15	ng/ul	96
32) Benzo(a)anthracene	21.79	228	28546	2.88	ng/ul	96
33) Chrysene	21.79	228	28546	2.96	ng/ul	98
35) Benzo(b)fluoranthene	24.09	252	46750	4.72	ng/ul#	90
36) Benzo(k)fluoranthene	24.09	252	46750	4.80	ng/ul#	90
38) Benzo(a)pyrene	24.98	252	28950	3.06	ng/ul#	89

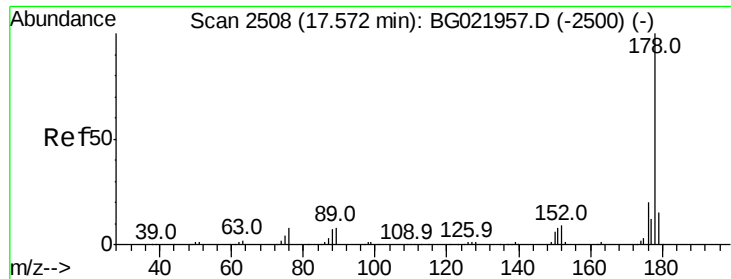
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.10 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

Instrument :

BNA_G

ClientSampleId :

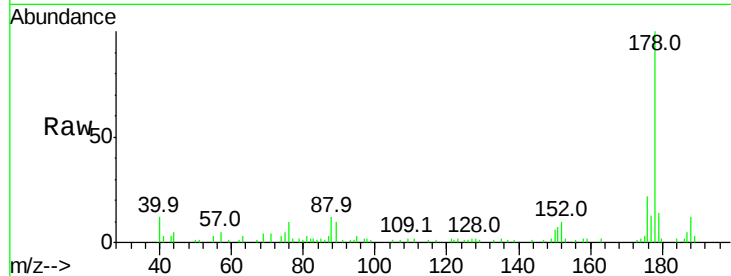
Tot Ion:178 Resp: 23332

Ion Ratio Lower Upper

178 100

179 13.7 11.8 17.8

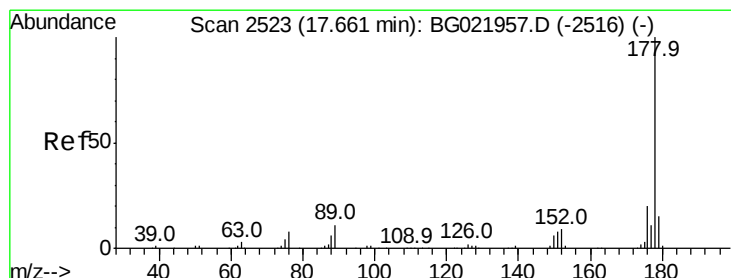
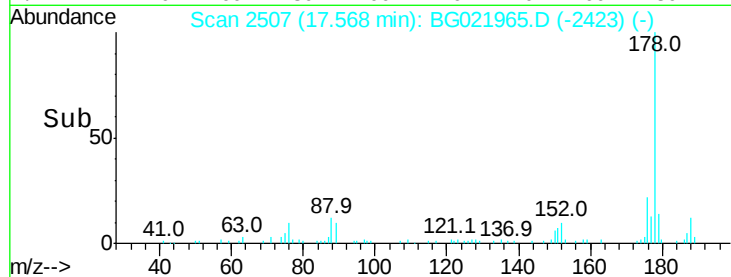
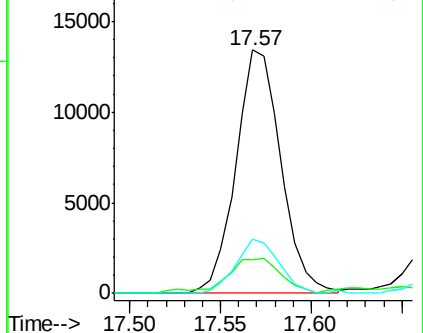
176 22.3 14.8 22.2#



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



#27

Anthracene

Concen: 2.09 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.09 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

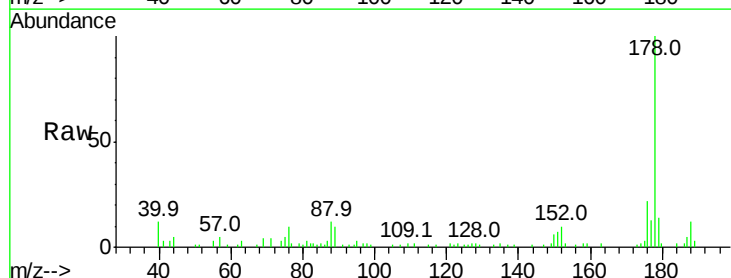
Tgt Ion:178 Resp: 23332

Ion Ratio Lower Upper

178 100

179 13.7 12.9 19.3

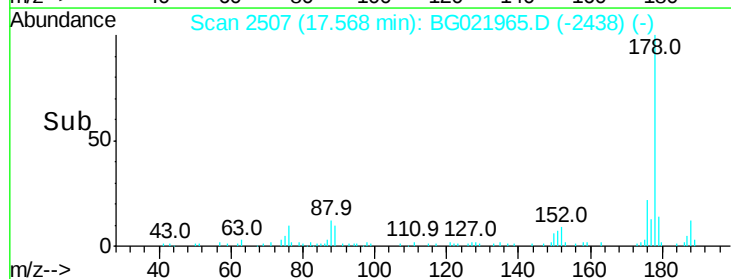
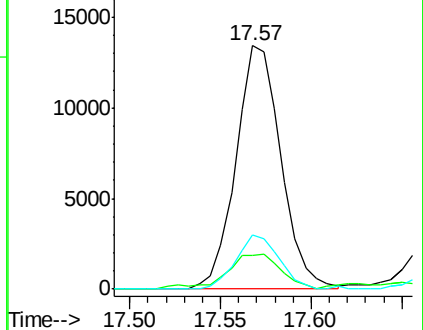
176 22.3 15.6 23.4

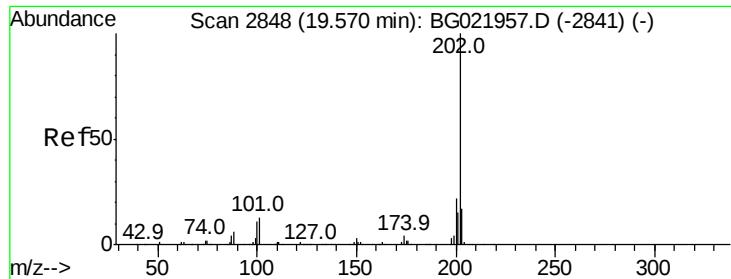


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 5.15 ng/ul

RT: 19.57 min Scan# 2848

Delta R.T. 0.00 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

Instrument :

BNA_G

ClientSampleId :

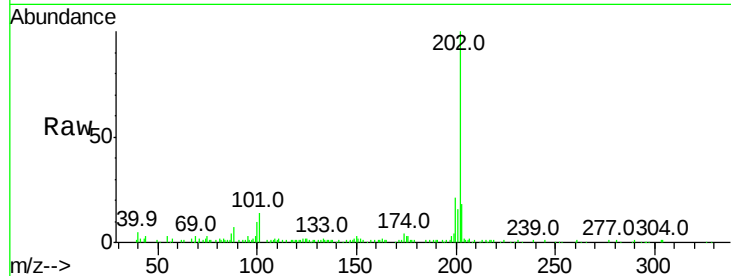
Tot Ion:202 Resp: 59386

Ion Ratio Lower Upper

202 100

101 14.0 8.9 13.3#

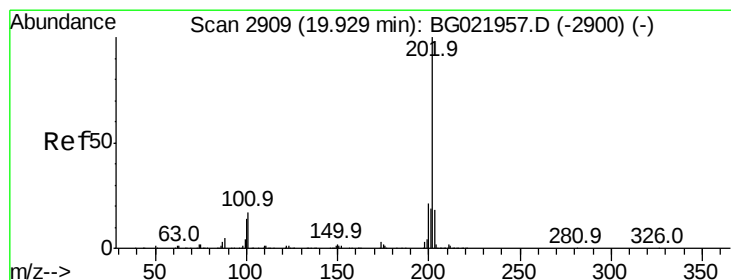
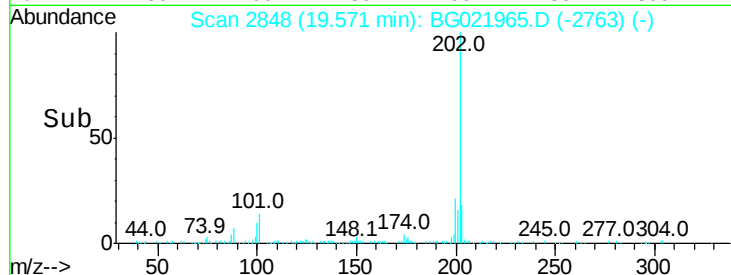
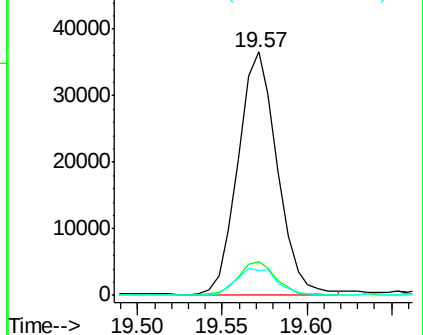
100 10.3 7.0 10.4



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: 4.15 ng/ul

RT: 19.94 min Scan# 2910

Delta R.T. 0.01 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

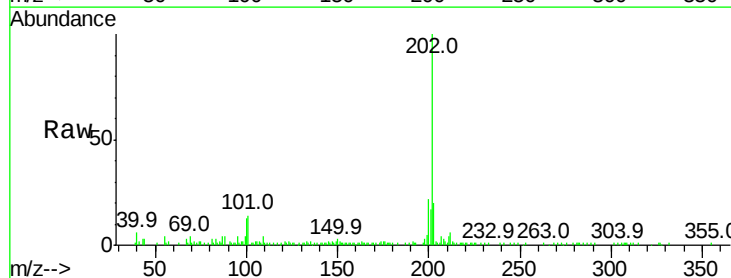
Tgt Ion:202 Resp: 51200

Ion Ratio Lower Upper

202 100

101 13.6 9.8 14.8

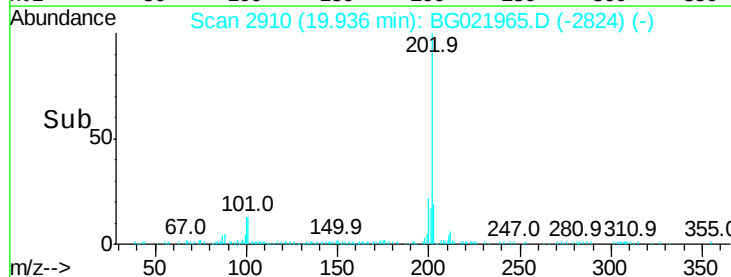
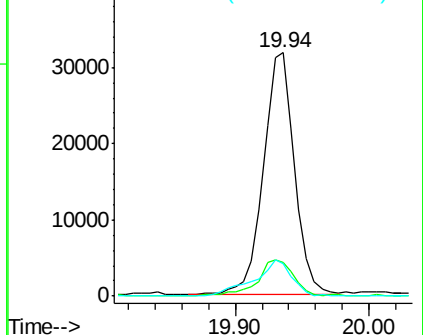
100 13.1 9.3 13.9

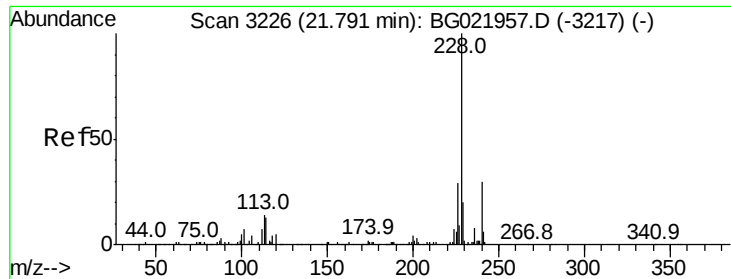


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 2.88 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. 0.00 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

Instrument :

BNA_G

ClientSampleId :

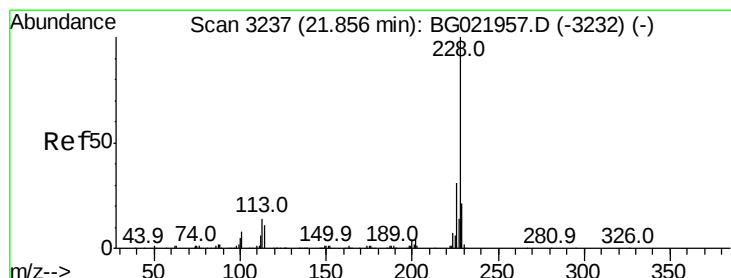
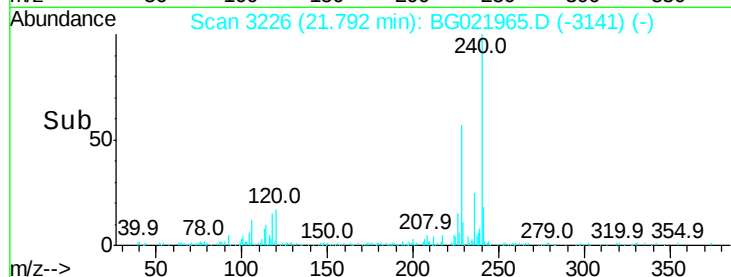
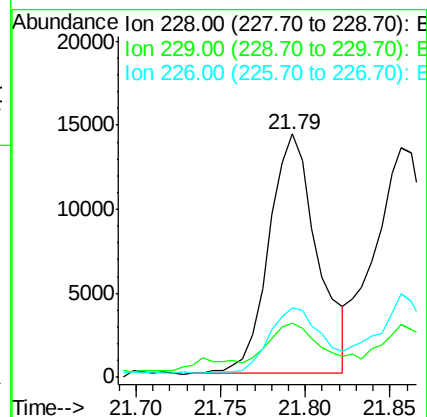
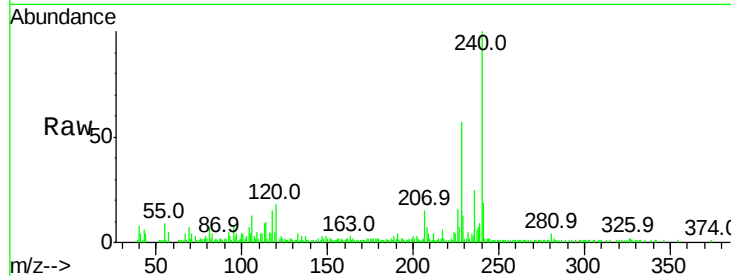
Tot Ion:228 Resp: 28546

Ion Ratio Lower Upper

228 100

229 22.1 16.6 25.0

226 28.7 21.0 31.4



#33

Chrysene

Concen: 2.96 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.06 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

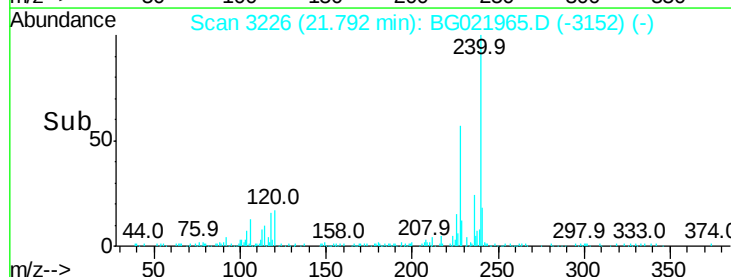
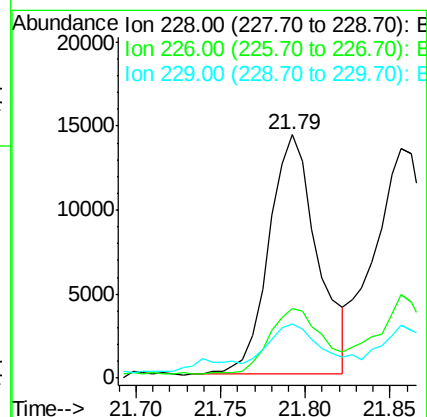
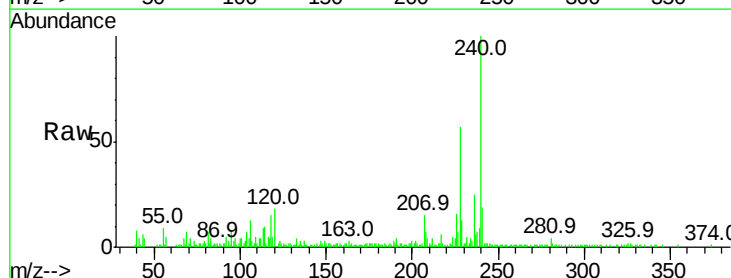
Tgt Ion:228 Resp: 28546

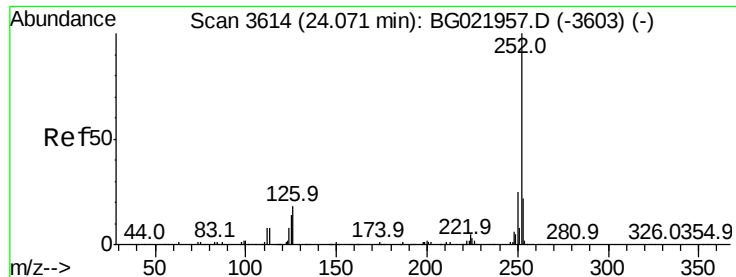
Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.2

229 22.1 16.2 24.2

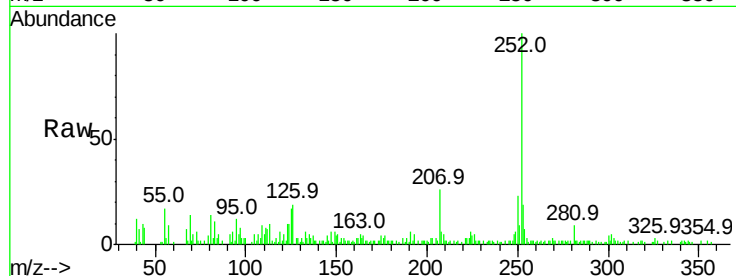




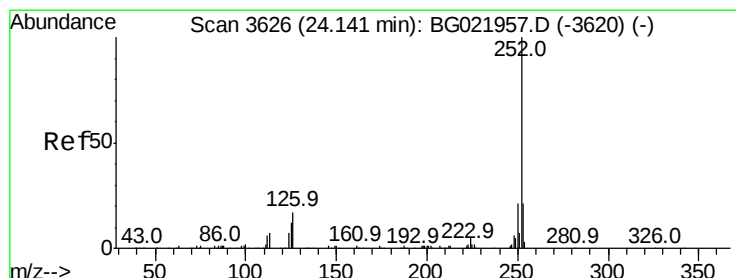
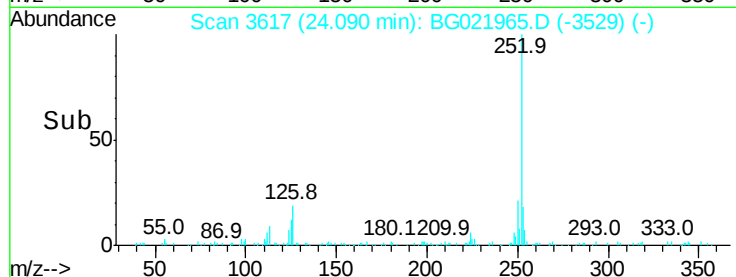
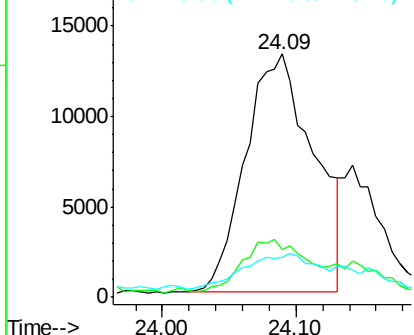
#35
Benzo(b)fluoranthene
Concen: 4.72 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.02 min
Lab File: BG021965.D
Acq: 19 May 2016 16:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.4	18.1	27.1
125	16.5	7.6	11.4#

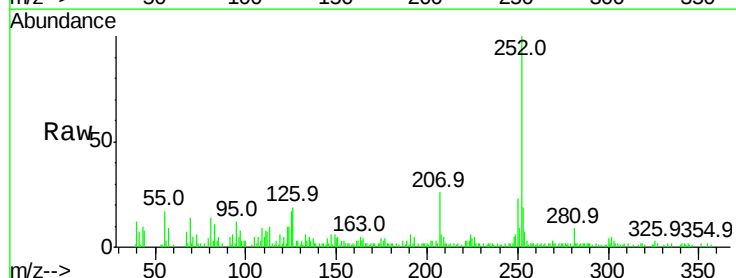


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

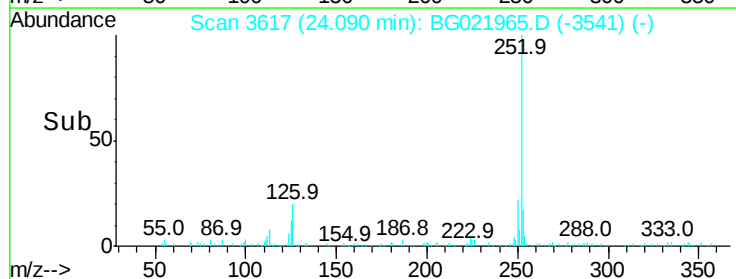
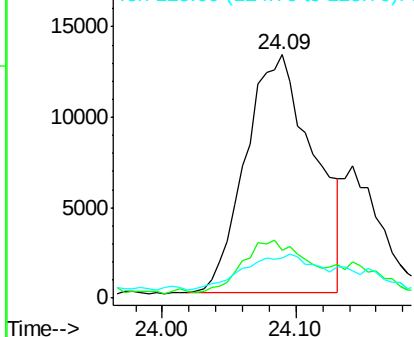


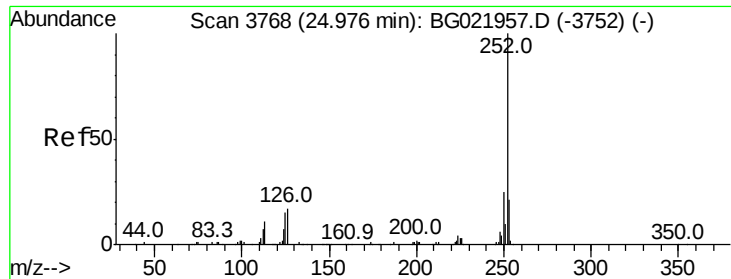
#36
Benzo(k)fluoranthene
Concen: 4.80 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. -0.05 min
Lab File: BG021965.D
Acq: 19 May 2016 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.4	17.8	26.8
125	16.5	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





#38

Benzo(a)pyrene

Concen: 3.06 ng/ul

RT: 24.98 min Scan# 3769

Delta R.T. 0.01 min

Lab File: BG021965.D

Acq: 19 May 2016 16:09

Instrument :

BNA_G

ClientSampleId :

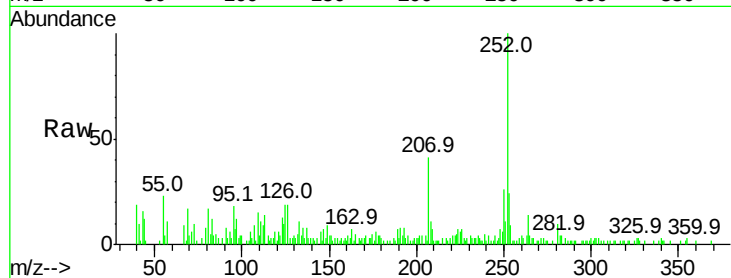
Tot Ion:252 Resp: 28950

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.0

125 18.7 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

