

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051916\
 Data File : BG021964.D
 Acq On : 19 May 2016 15:29
 Operator : UM/SJ
 Sample : H3092-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 20 05:47:21 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	40064	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	205159	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	112455	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.52	188	219555	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	194039	20.00	ng/ul	0.00
34) Perylene-d12	25.15	264	178944	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	2464	2.82	ng/uL	0.00
3) Phenol-d5	7.31	99	52434	14.82	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	29976	15.91	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	48469	16.69	ng/ul	0.00
6) 4-Methylphenol-d8	8.86	113	37828	12.00	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	23086	16.04	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	24966	16.26	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	41561	15.31	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	10835	5.07	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	138228	15.94	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	188444	16.87	ng/ul	0.00
20) 4-Nitrophenol-d4	14.98	143	9790	6.42	ng/ul	0.00
21) Fluorene-d10	15.77	176	124288	15.93	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	13232	12.14	ng/ul	0.00
26) Anthracene-d10	17.62	188	168598	16.67	ng/ul	0.00
30) Pyrene-d10	19.90	212	175543	17.15	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	139097	17.50	ng/ul	0.00

Target Compounds

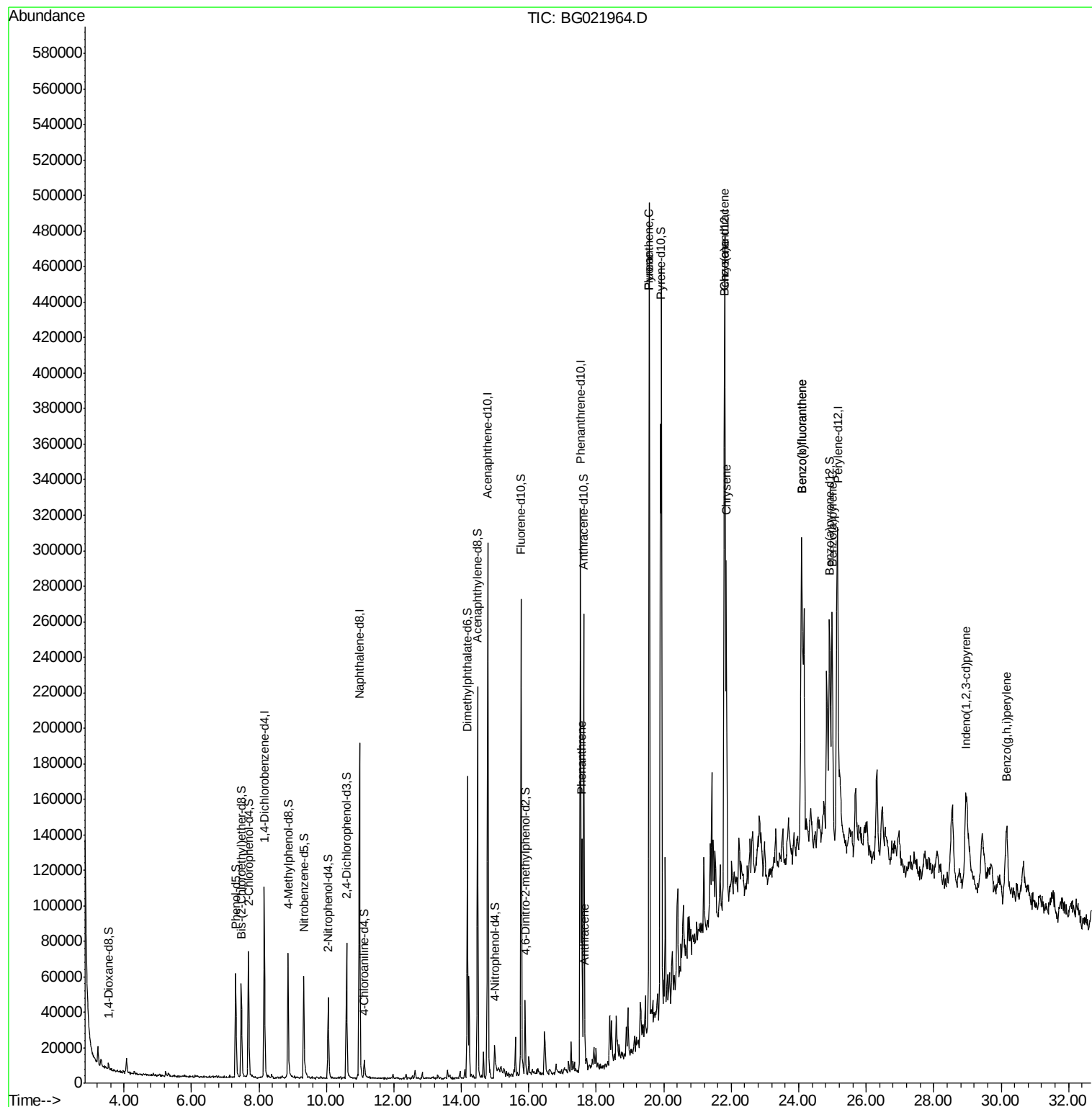
						Ovalue
25) Phenanthrene	17.57	178	88341	7.53	ng/ul	98
27) Anthracene	17.66	178	13704	1.16	ng/ul	99
28) Fluoranthene	19.57	202	303222	24.86	ng/ul#	92
31) Pyrene	19.57	202	303222	22.69	ng/ul	97
32) Benzo(a)anthracene	21.79	228	133675	12.42	ng/ul	95
33) Chrysene	21.85	228	143403	13.69	ng/ul	96
35) Benzo(b)fluoranthene	24.09	252	229438	22.30	ng/ul#	93
36) Benzo(k)fluoranthene	24.09	252	229438	22.68	ng/ul#	93
38) Benzo(a)pyrene	24.99	252	140093	14.24	ng/ul#	91
39) Indeno(1,2,3-cd)pyrene	28.96	276	99444	8.89	ng/ul#	86
41) Benzo(g,h,i)perylene	30.17	276	82916	8.77	ng/ul#	87

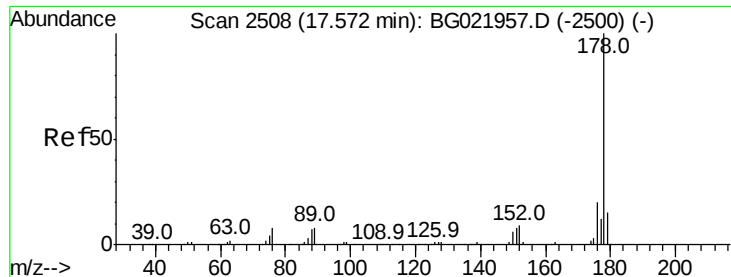
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#25

Phenanthrene

Concen: 7.53 ng/ul

RT: 17.57 min Scan# 2507

Delta R.T. -0.00 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

Instrument :

BNA_G

ClientSampleId :

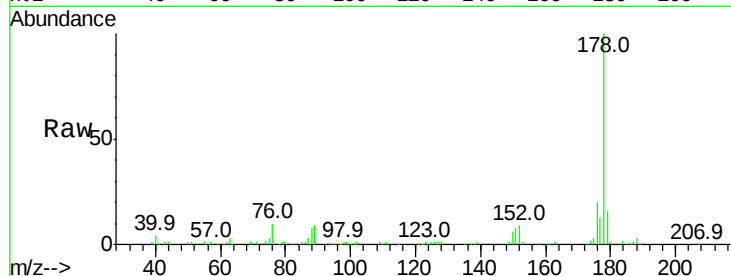
Tot Ion:178 Resp: 88341

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

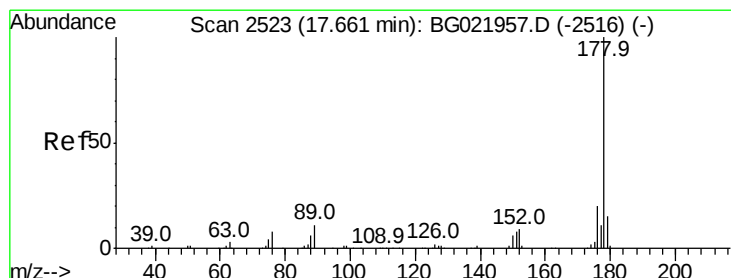
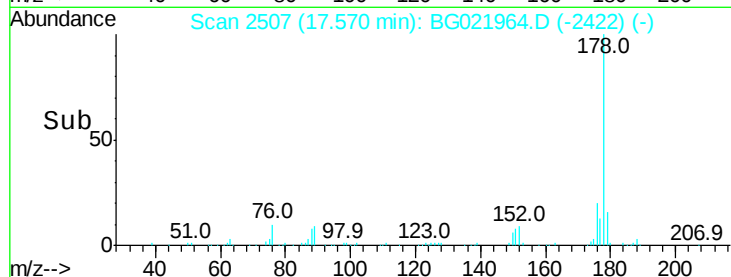
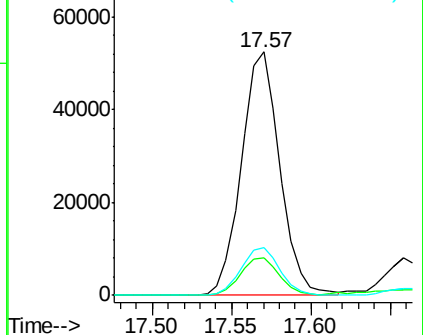
176 19.6 14.8 22.2



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: 1.16 ng/ul

RT: 17.66 min Scan# 2522

Delta R.T. -0.00 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

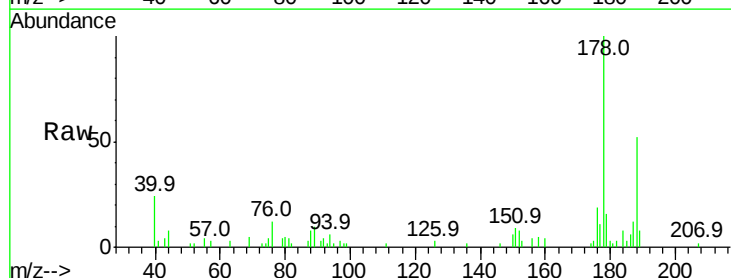
Tgt Ion:178 Resp: 13704

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

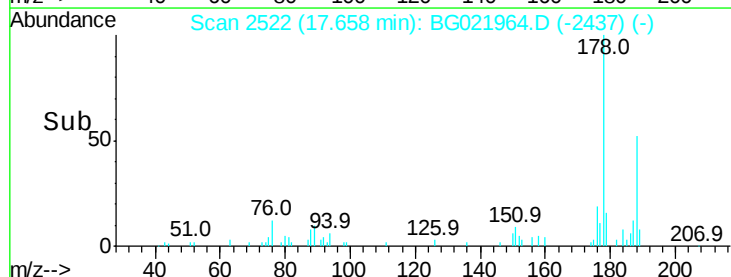
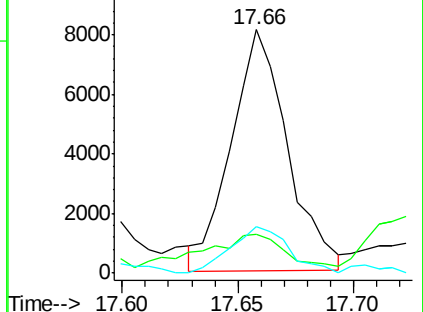
176 18.9 15.6 23.4

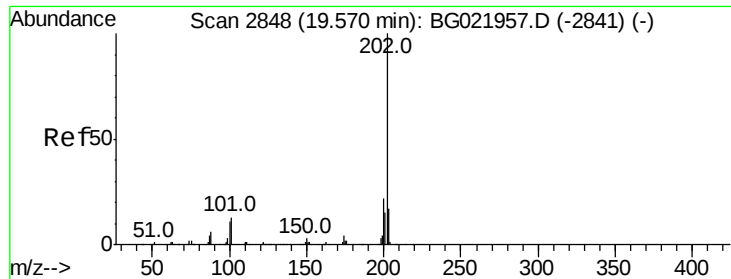


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 24.86 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.00 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

Instrument :

BNA_G

ClientSampleId :

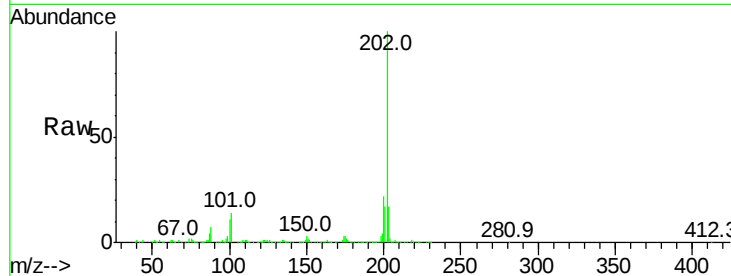
Tot Ion:202 Resp: 303222

Ion Ratio Lower Upper

202 100

101 14.1 8.9 13.3#

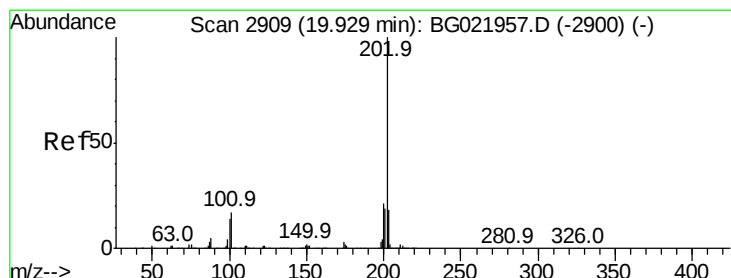
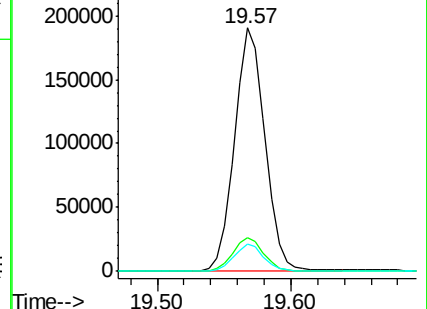
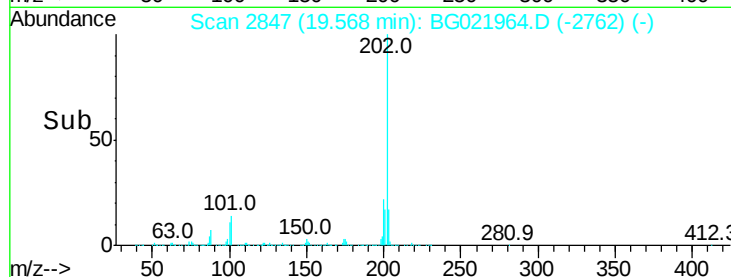
100 11.4 7.0 10.4#



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: 22.69 ng/ul

RT: 19.57 min Scan# 2847

Delta R.T. -0.36 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

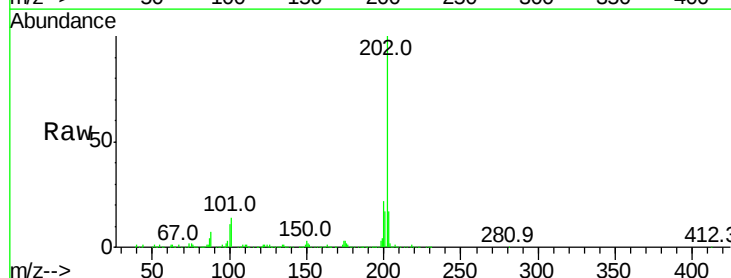
Tgt Ion:202 Resp: 303222

Ion Ratio Lower Upper

202 100

101 14.1 9.8 14.8

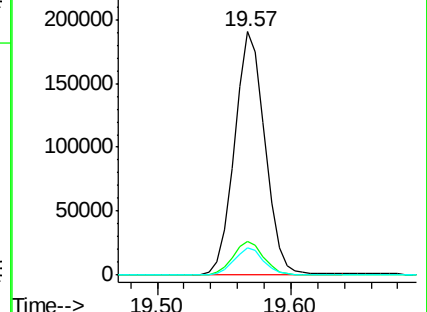
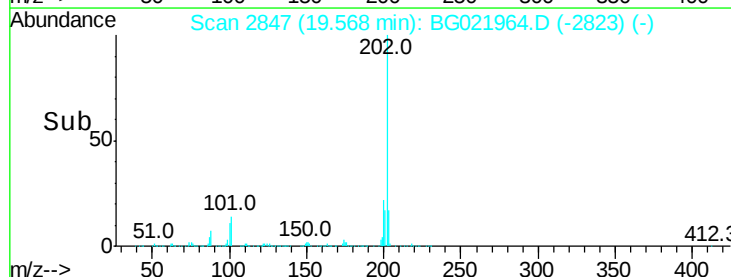
100 11.4 9.3 13.9

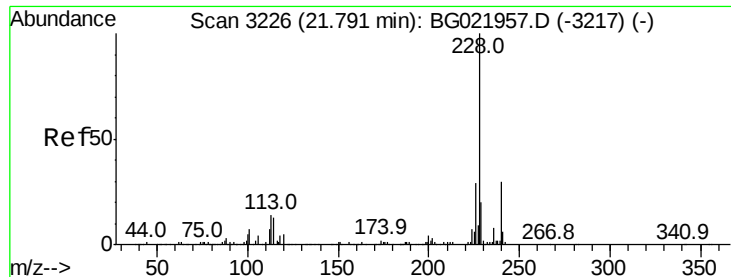


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 12.42 ng/ul

RT: 21.79 min Scan# 3225

Delta R.T. -0.00 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

Instrument :

BNA_G

ClientSampleId :

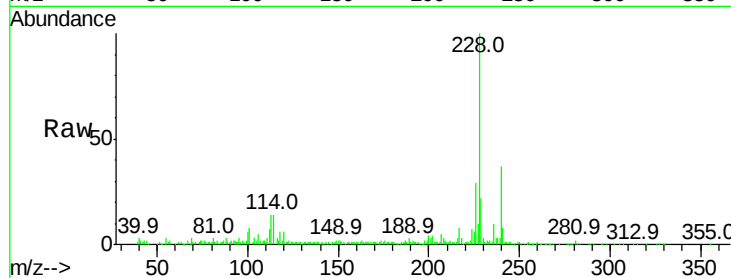
Tot Ion:228 Resp: 133675

Ion	Ratio	Lower	Upper
228	100		
229	22.2	16.6	25.0
226	29.2	21.0	31.4

228 100

229 22.2 16.6 25.0

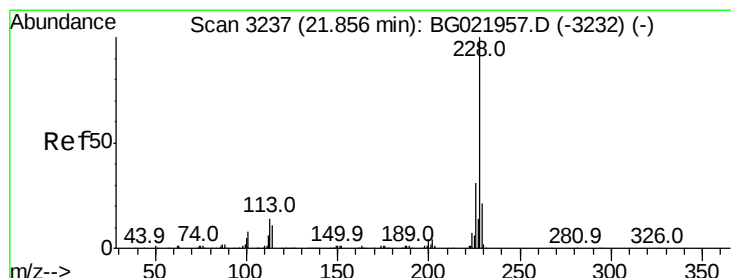
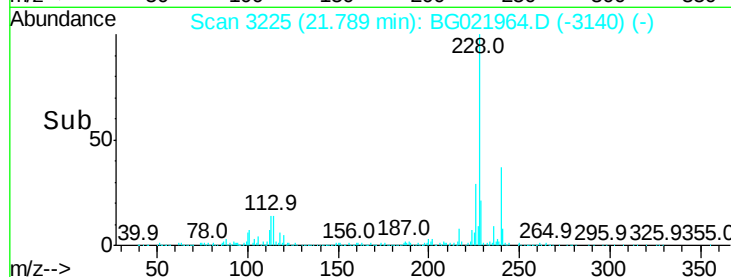
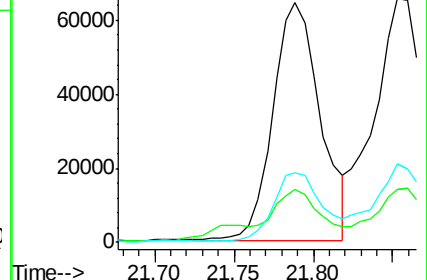
226 29.2 21.0 31.4



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: 13.69 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. -0.00 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

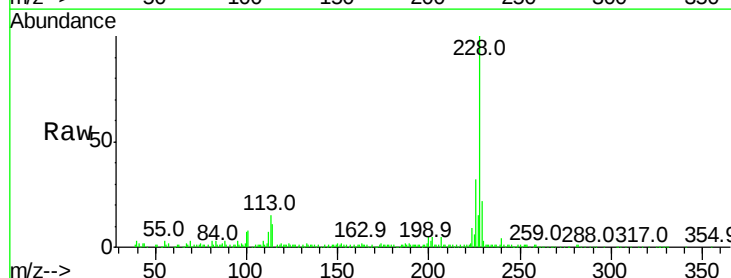
Tgt Ion:228 Resp: 143403

Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.4	35.2
229	21.8	16.2	24.2

228 100

226 32.0 23.4 35.2

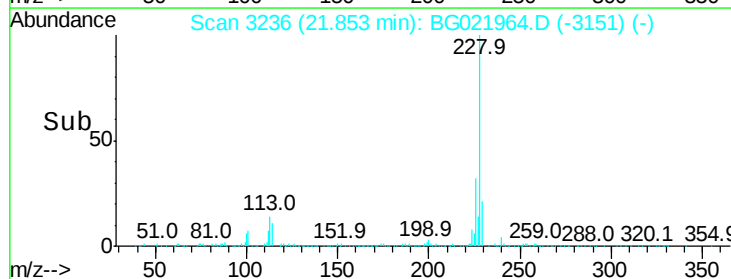
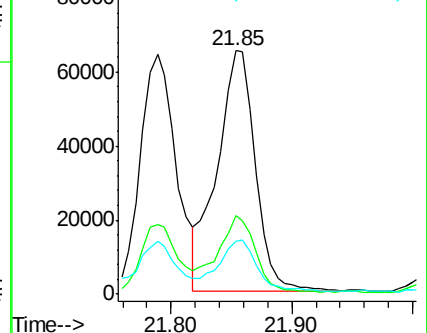
229 21.8 16.2 24.2

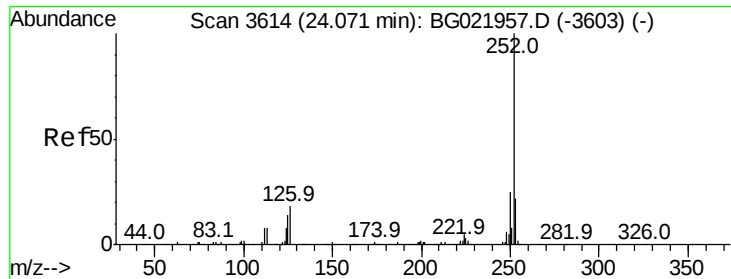


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 22.30 ng/ul

RT: 24.09 min Scan# 3616

Delta R.T. 0.02 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

Instrument :

BNA_G

ClientSampleId :

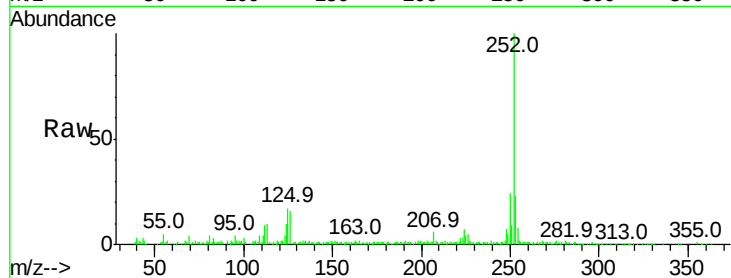
Tot Ion:252 Resp: 229438

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

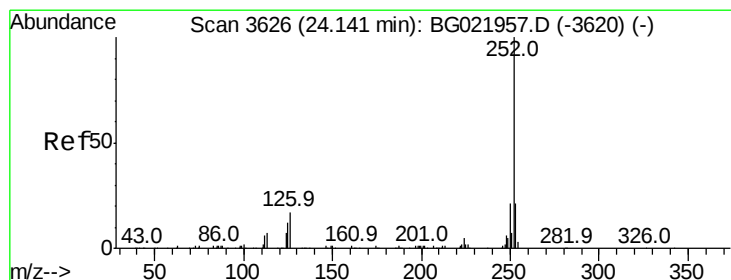
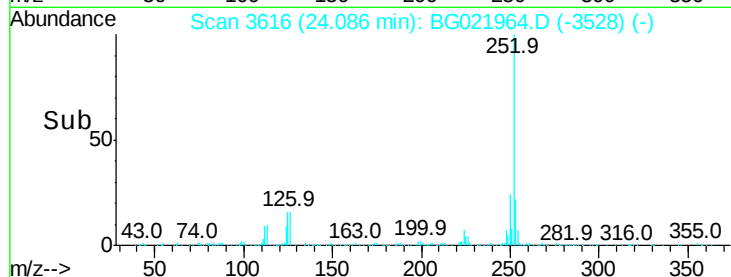
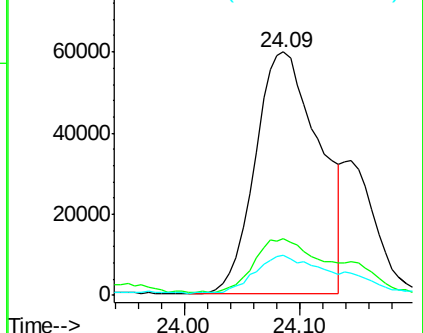
125 16.6 7.6 11.4#



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: 22.68 ng/ul

RT: 24.09 min Scan# 3616

Delta R.T. -0.06 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

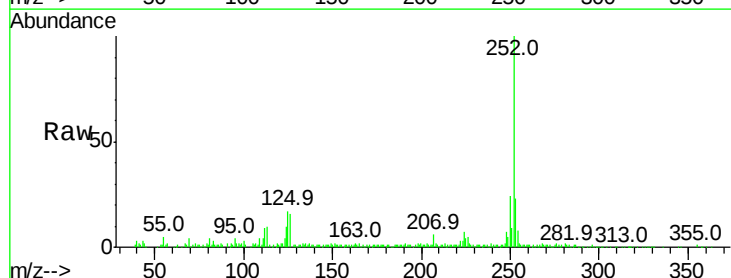
Tgt Ion:252 Resp: 229438

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

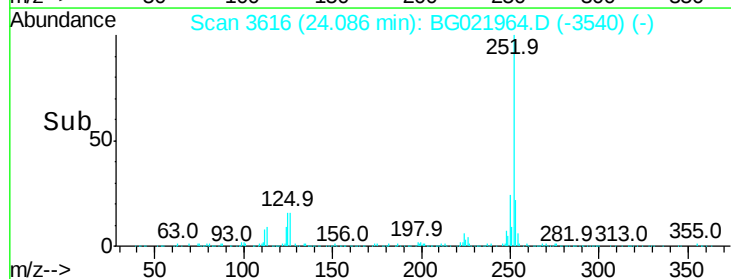
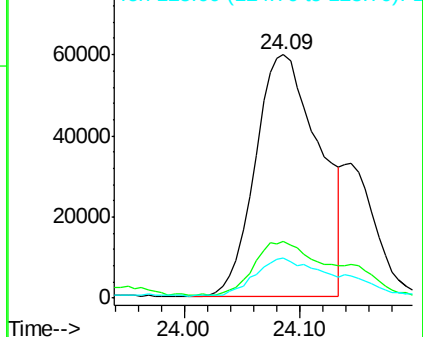
125 16.6 7.7 11.5#

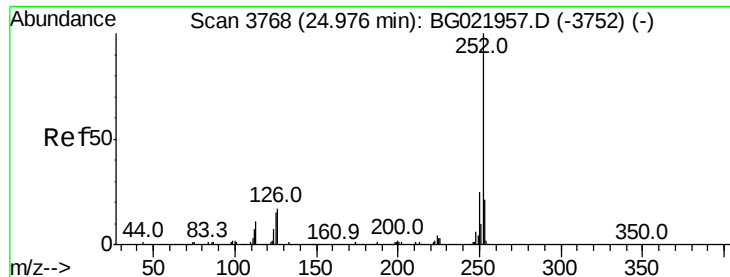


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 14.24 ng/ul

RT: 24.99 min Scan# 3770

Delta R.T. 0.02 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

Instrument :

BNA_G

ClientSampled :

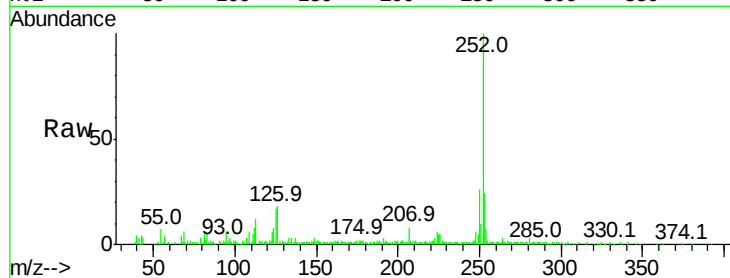
Tot Ion:252 Resp: 140093

Ion Ratio Lower Upper

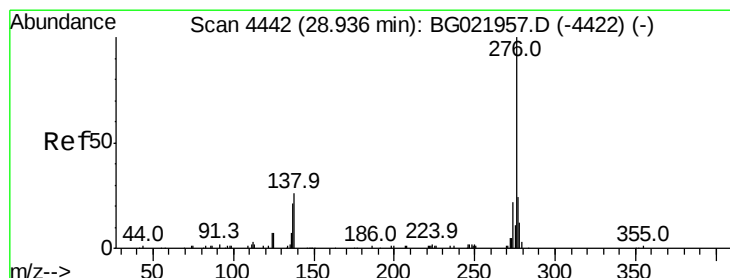
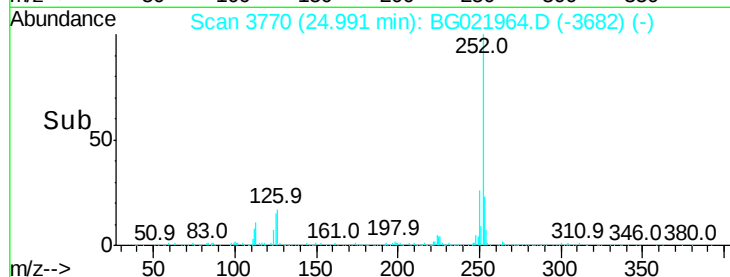
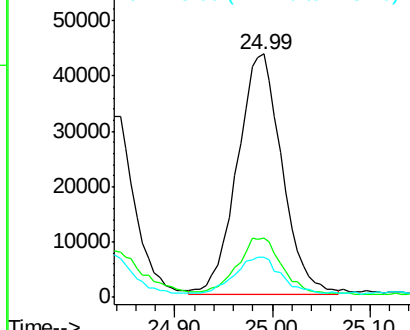
252 100

253 24.3 17.4 26.0

125 16.7 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



#39

Indeno(1,2,3-cd)pyrene

Concen: 8.89 ng/ul

RT: 28.96 min Scan# 4446

Delta R.T. 0.03 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

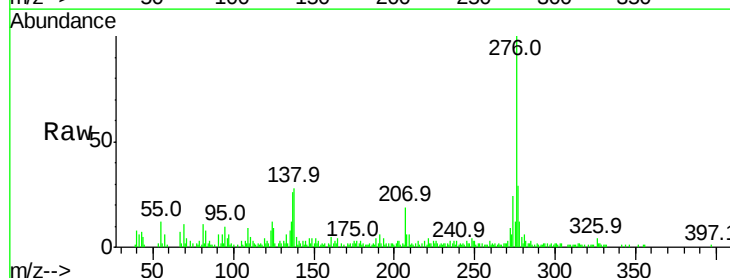
Tgt Ion:276 Resp: 99444

Ion Ratio Lower Upper

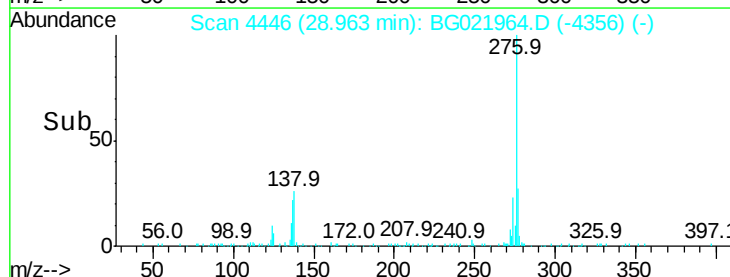
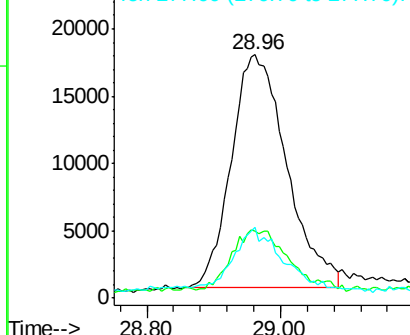
276 100

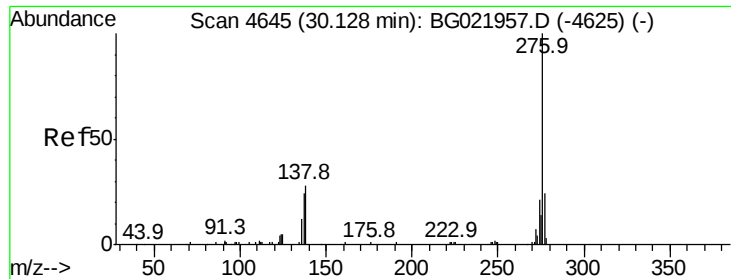
138 27.6 15.8 23.6#

277 29.1 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(a,h,i)perylene

Concen: 8.77 ng/ul

RT: 30.17 min Scan# 4651

Delta R.T. 0.04 min

Lab File: BG021964.D

Acq: 19 May 2016 15:29

Instrument :

BNA_G

ClientSampleId :

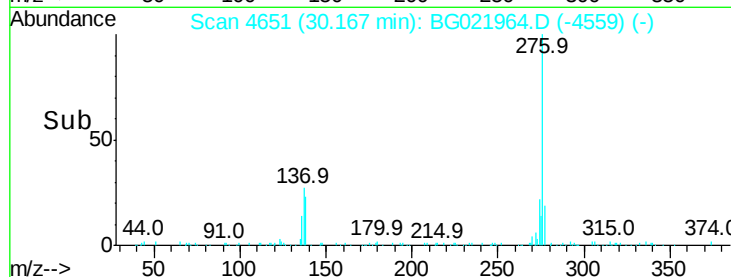
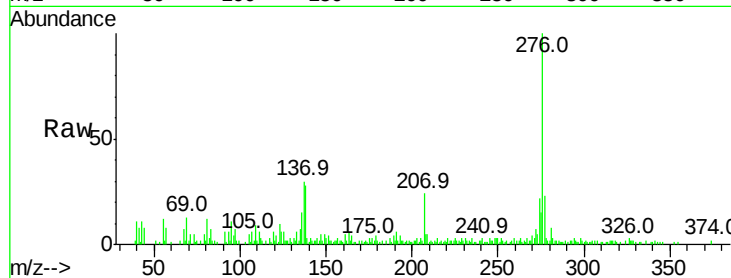
Tot Ion: 276 Resp: 82916

Ion Ratio Lower Upper

276 100

138 28.2 13.9 20.9#

277 22.6 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

