

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101317\
 Data File : BG029172.D
 Acq On : 11 Oct 2017 19:18
 Operator : SJ/JU
 Sample : I5668-21
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 08:52:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:24:22 2017
 Response via : Initial Calibration

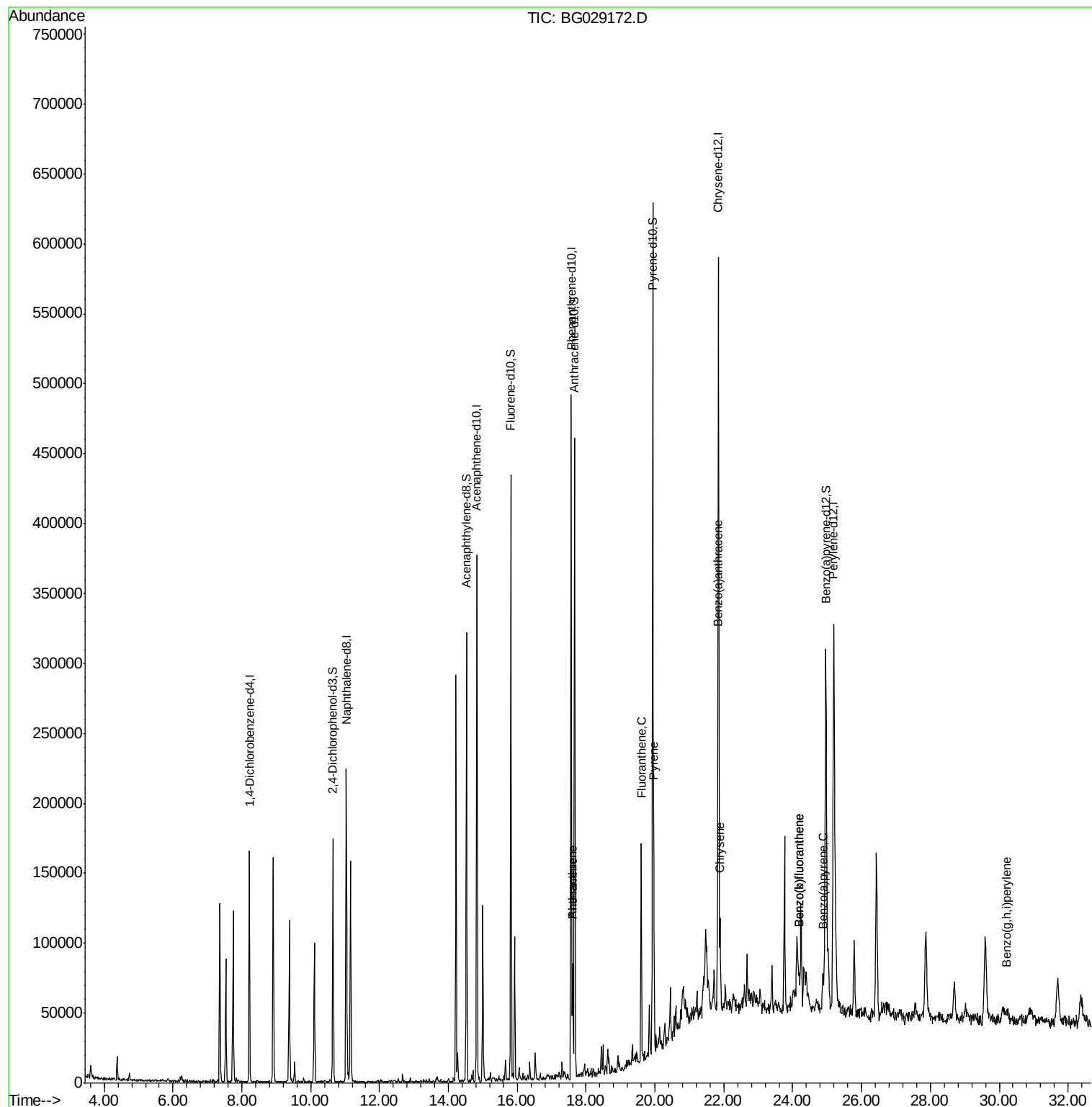
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	43898	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	189358	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	132783	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	310400	20.00	ng/ul	0.00
18) Chrysene-d12	21.84	240	335577	20.00	ng/ul	0.00
23) Perylene-d12	25.19	264	342029	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.64	165	63308	17.49	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	245294	18.43	ng/ul	0.00
10) Fluorene-d10	15.81	176	181946	17.42	ng/ul	0.00
15) Anthracene-d10	17.66	188	280554	18.29	ng/ul	0.00
19) Pyrene-d10	19.93	212	328265	18.62	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	304612	17.80	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.61	178	52951	3.15	ng/ul	97
16) Anthracene	17.61	178	52951	3.07	ng/ul	96
17) Fluoranthene	19.60	202	102132	5.16	ng/ul	99
20) Pyrene	19.96	202	91789	4.51	ng/ul	97
21) Benzo(a)anthracene	21.82	228	52570	2.57	ng/ul	98
22) Chrysene	21.89	228	50014	2.71	ng/ul	95
24) Benzo(b)fluoranthene	24.19	252	24048	1.14	ng/ul	96
25) Benzo(k)fluoranthene	24.19	252	24068	1.16	ng/ul#	97
27) Benzo(a)pyrene	24.88	252	34180	1.66	ng/ul	92
30) Benzo(g,h,i)perylene	30.21	276	16036	1.17	ng/ul#	93

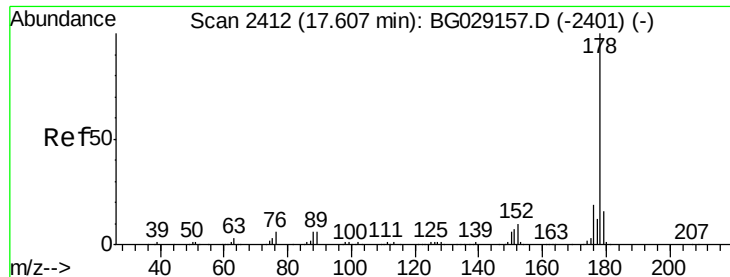
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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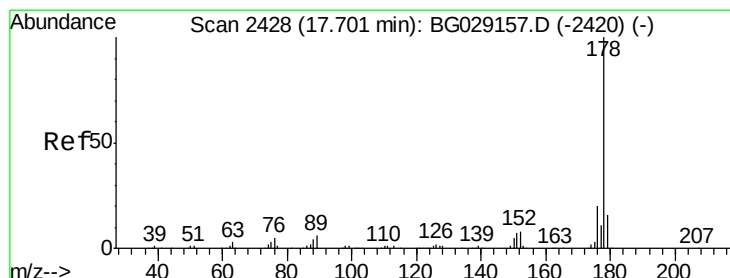
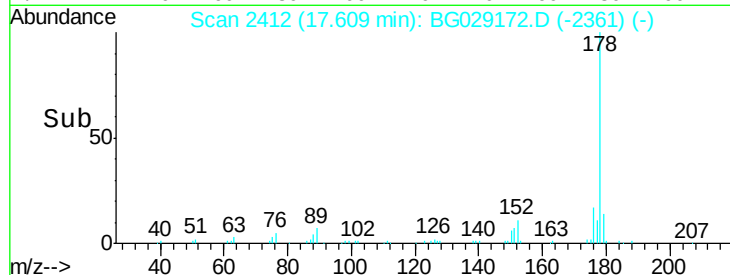
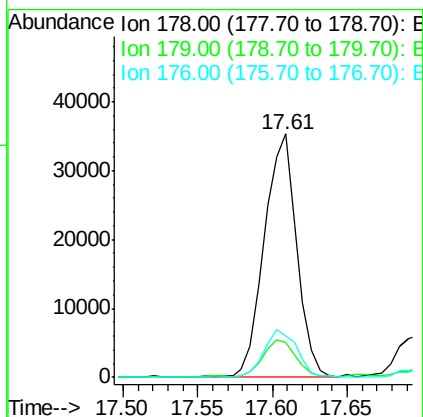
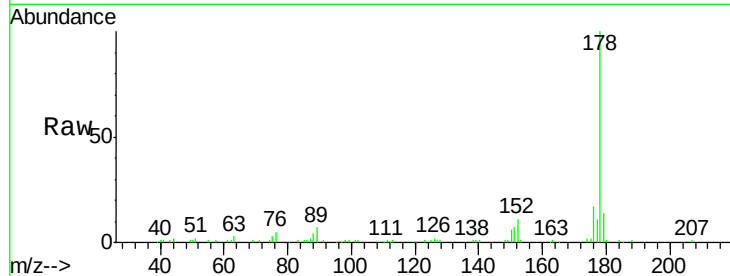




#14
Phenanthrene
Concen: 3.15 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG029172.D
Acq: 11 Oct 2017 19:18

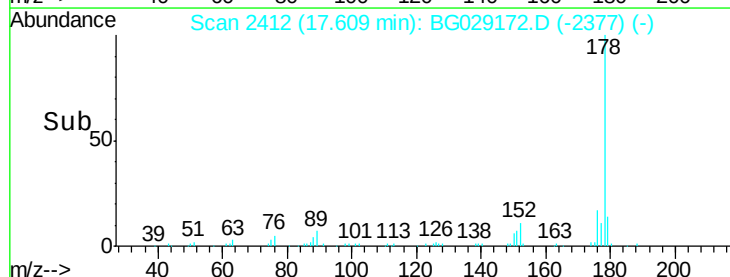
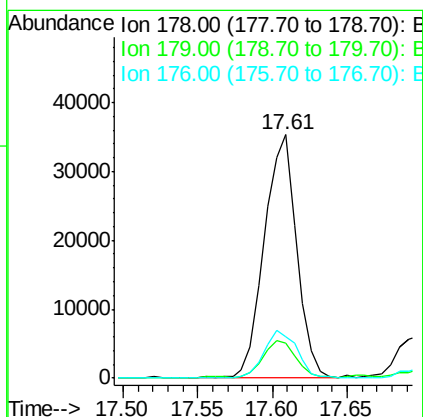
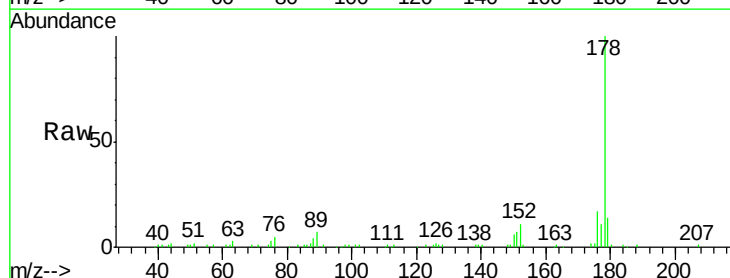
Instrument :
BNA_G
ClientSampleId :

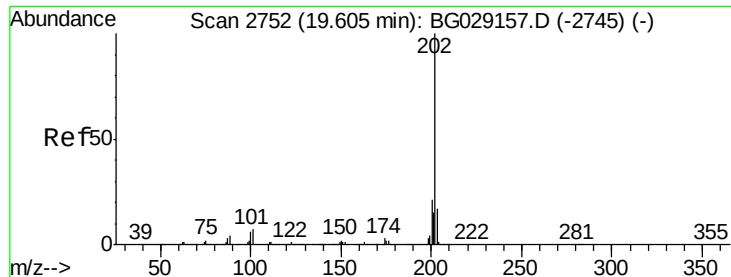
Tot Ion:178 Resp: 52951
Ion Ratio Lower Upper
178 100
179 14.5 12.2 18.2
176 17.1 15.0 22.6



#16
Anthracene
Concen: 3.07 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. -0.09 min
Lab File: BG029172.D
Acq: 11 Oct 2017 19:18

Tgt Ion:178 Resp: 52951
Ion Ratio Lower Upper
178 100
179 14.5 12.5 18.7
176 17.1 15.7 23.5





#17

Fluoranthene

Concen: 5.16 ng/ul

RT: 19.60 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BG029172.D

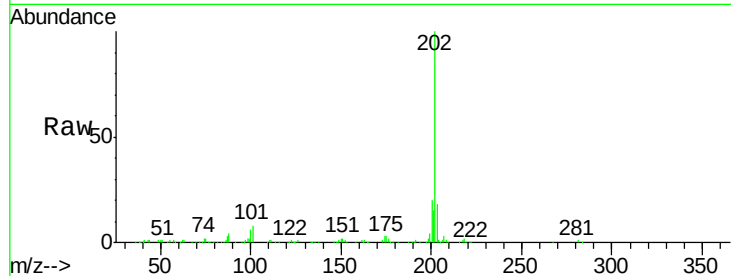
Acq: 11 Oct 2017 19:18

Instrument :

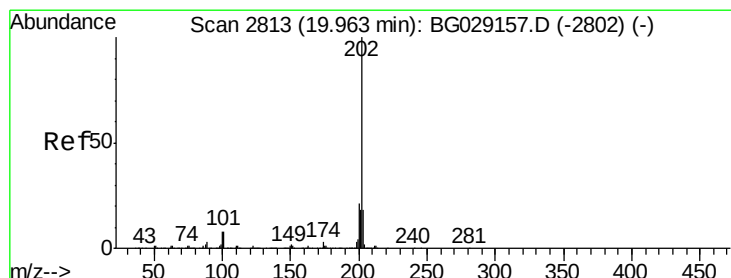
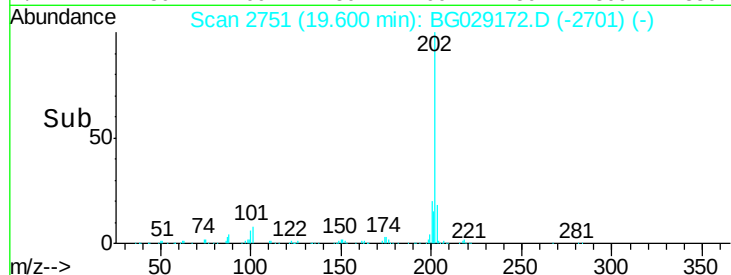
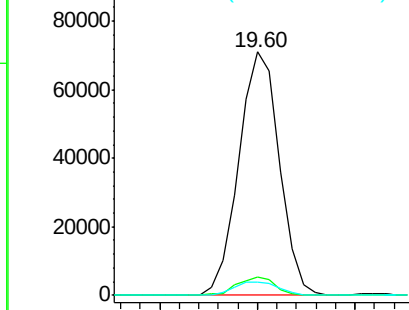
BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	102132
Ion	Ratio	Lower	Upper
202	100		
101	7.6	5.6	8.4
100	5.5	4.7	7.1



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



#20

Pyrene

Concen: 4.51 ng/ul

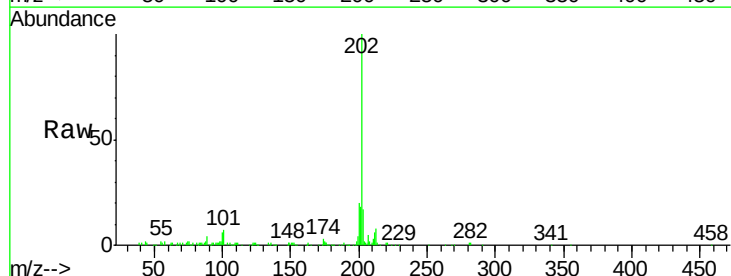
RT: 19.96 min Scan# 2812

Delta R.T. -0.00 min

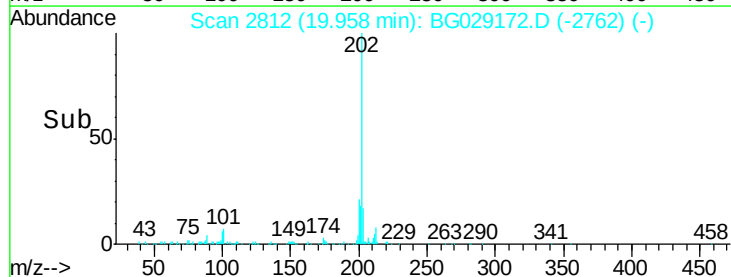
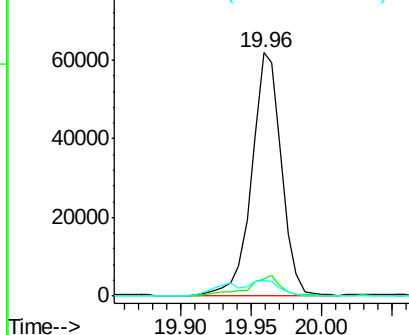
Lab File: BG029172.D

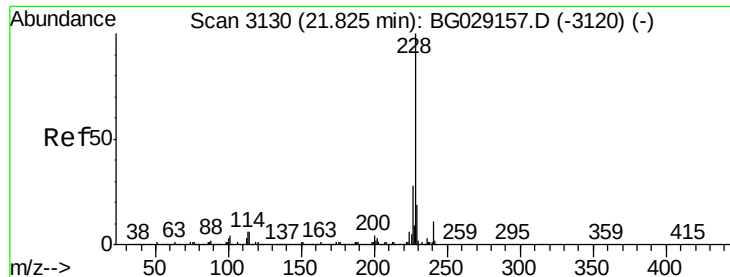
Acq: 11 Oct 2017 19:18

Tgt Ion:	202	Resp:	91789
Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.5	9.7
100	6.5	5.5	8.3



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

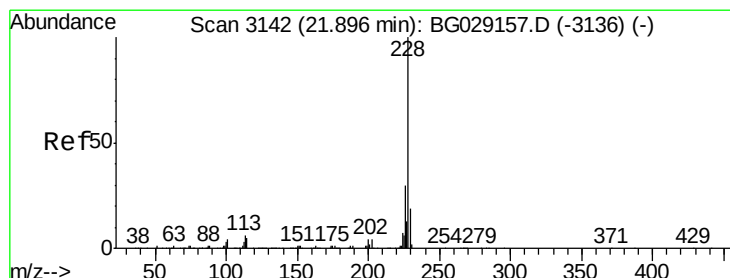
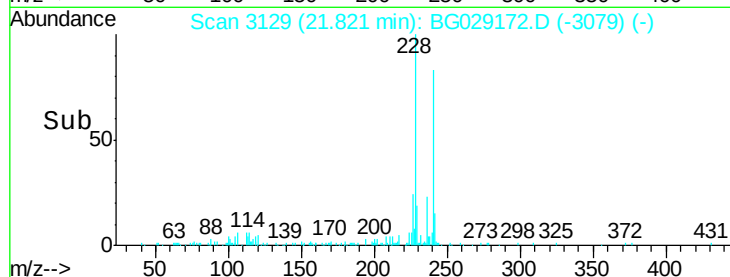
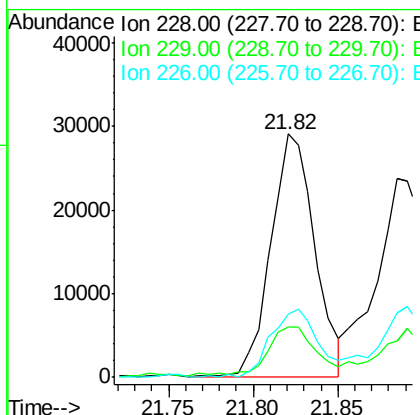
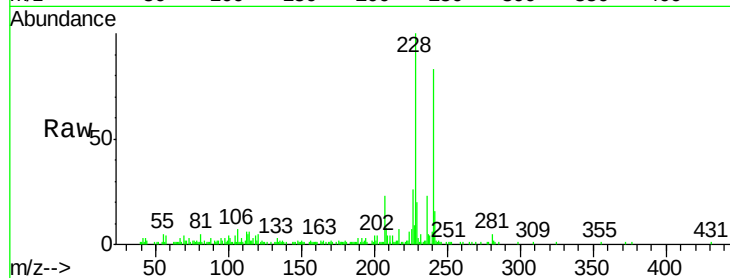




#21
Benzo(a)anthracene
Concen: 2.57 ng/ul
RT: 21.82 min Scan# 3129
Delta R.T. -0.00 min
Lab File: BG029172.D
Acq: 11 Oct 2017 19:18

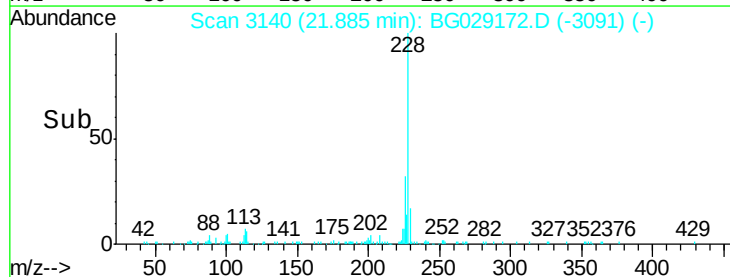
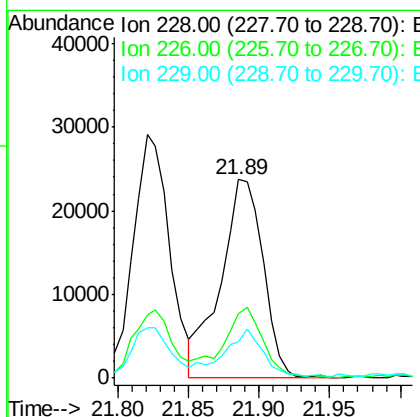
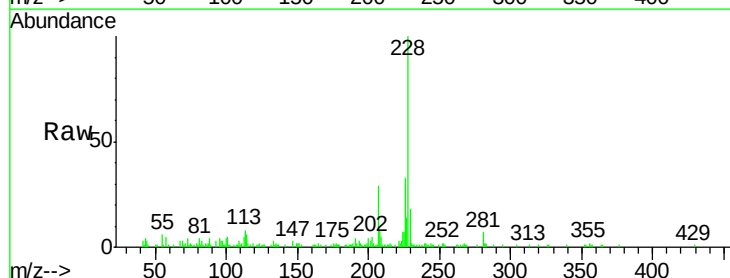
Instrument :
BNA_G
ClientSampleId :

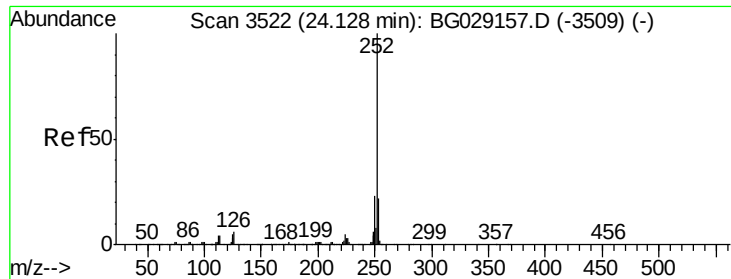
Tot Ion:228 Resp: 52570
Ion Ratio Lower Upper
228 100
229 20.4 15.8 23.8
226 25.8 21.6 32.4



#22
Chrysene
Concen: 2.71 ng/ul
RT: 21.89 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG029172.D
Acq: 11 Oct 2017 19:18

Tgt Ion:228 Resp: 50014
Ion Ratio Lower Upper
228 100
226 32.8 23.4 35.0
229 18.1 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 1.14 ng/ul

RT: 24.19 min Scan# 3532

Delta R.T. 0.06 min

Lab File: BG029172.D

Acq: 11 Oct 2017 19:18

Instrument :

BNA_G

ClientSampled :

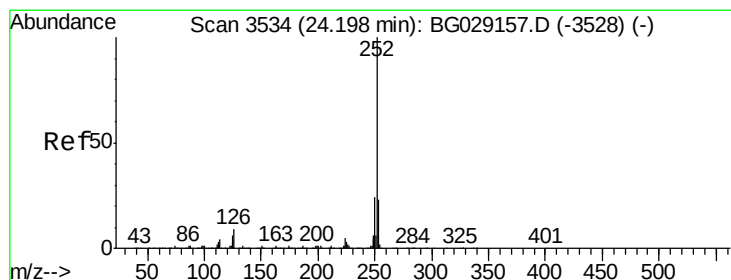
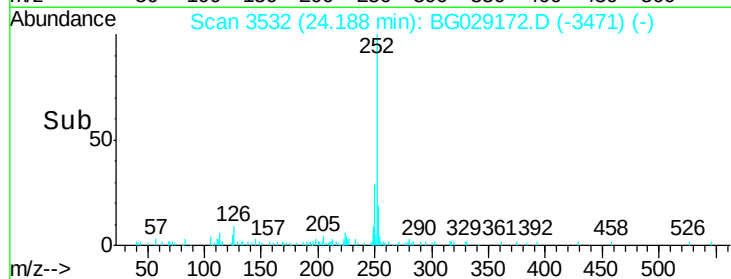
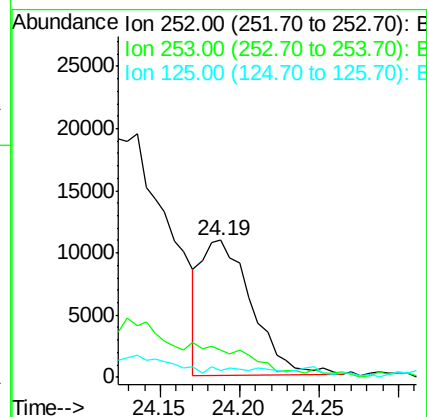
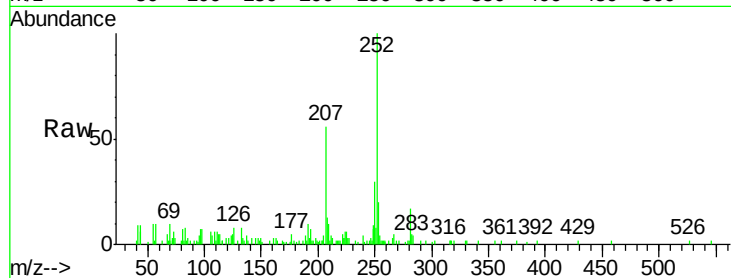
Tot Ion:252 Resp: 24048

Ion Ratio Lower Upper

252 100

253 20.1 17.6 26.4

125 4.9 4.5 6.7



#25

Benzo(k)fluoranthene

Concen: 1.16 ng/ul

RT: 24.19 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG029172.D

Acq: 11 Oct 2017 19:18

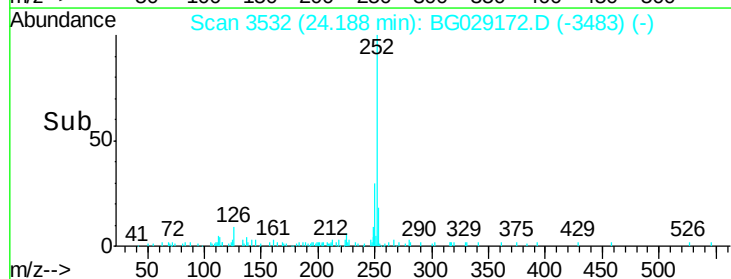
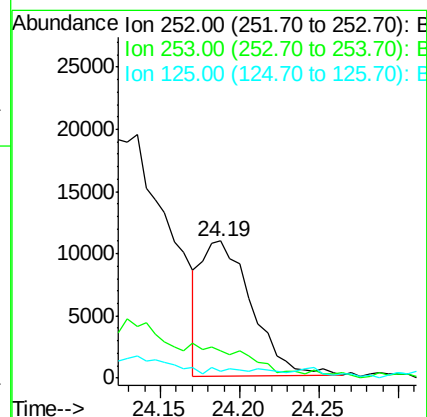
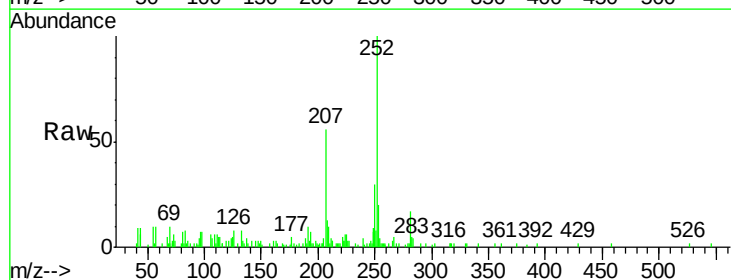
Tgt Ion:252 Resp: 24068

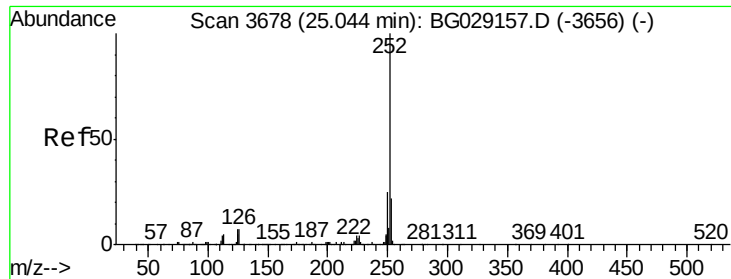
Ion Ratio Lower Upper

252 100

253 20.1 16.8 25.2

125 4.9 5.1 7.7#





#27

Benzo(a)pyrene

Concen: 1.66 ng/ul

RT: 24.88 min Scan# 3649

Delta R.T. -0.17 min

Lab File: BG029172.D

Acq: 11 Oct 2017 19:18

Instrument :

BNA_G

ClientSampleId :

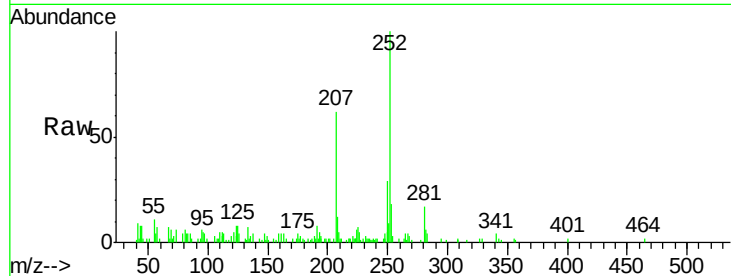
Tot Ion:252 Resp: 34180

Ion Ratio Lower Upper

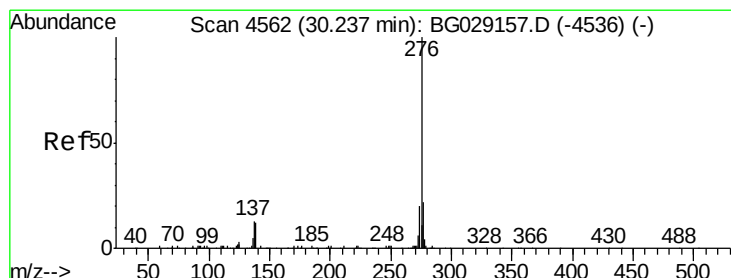
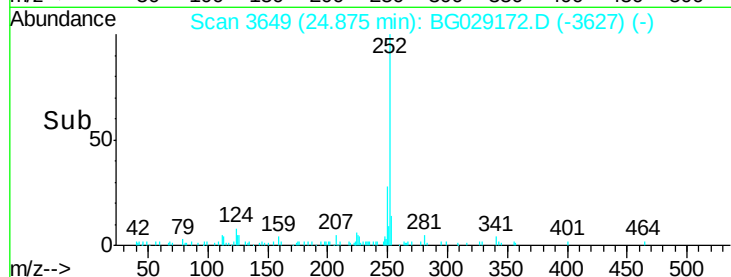
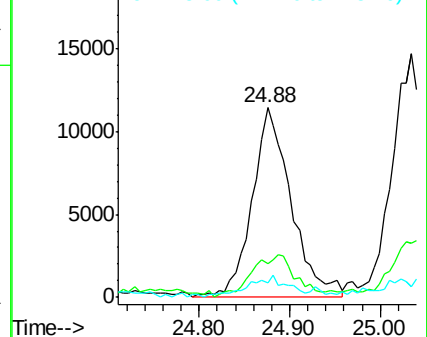
252 100

253 17.7 17.6 26.4

125 7.9 5.4 8.2



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



#30

Benzo(g,h,i)perylene

Concen: 1.17 ng/ul

RT: 30.21 min Scan# 4557

Delta R.T. -0.03 min

Lab File: BG029172.D

Acq: 11 Oct 2017 19:18

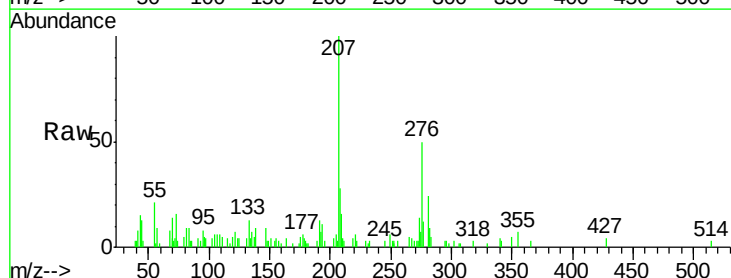
Tgt Ion:276 Resp: 16036

Ion Ratio Lower Upper

276 100

138 17.4 9.3 13.9#

277 23.5 17.9 26.9



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

