

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029160.D
 Acq On : 11 Oct 2017 5:22
 Operator : SJ/JU
 Sample : I5668-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3G4

Quant Time: Oct 11 07:03:24 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

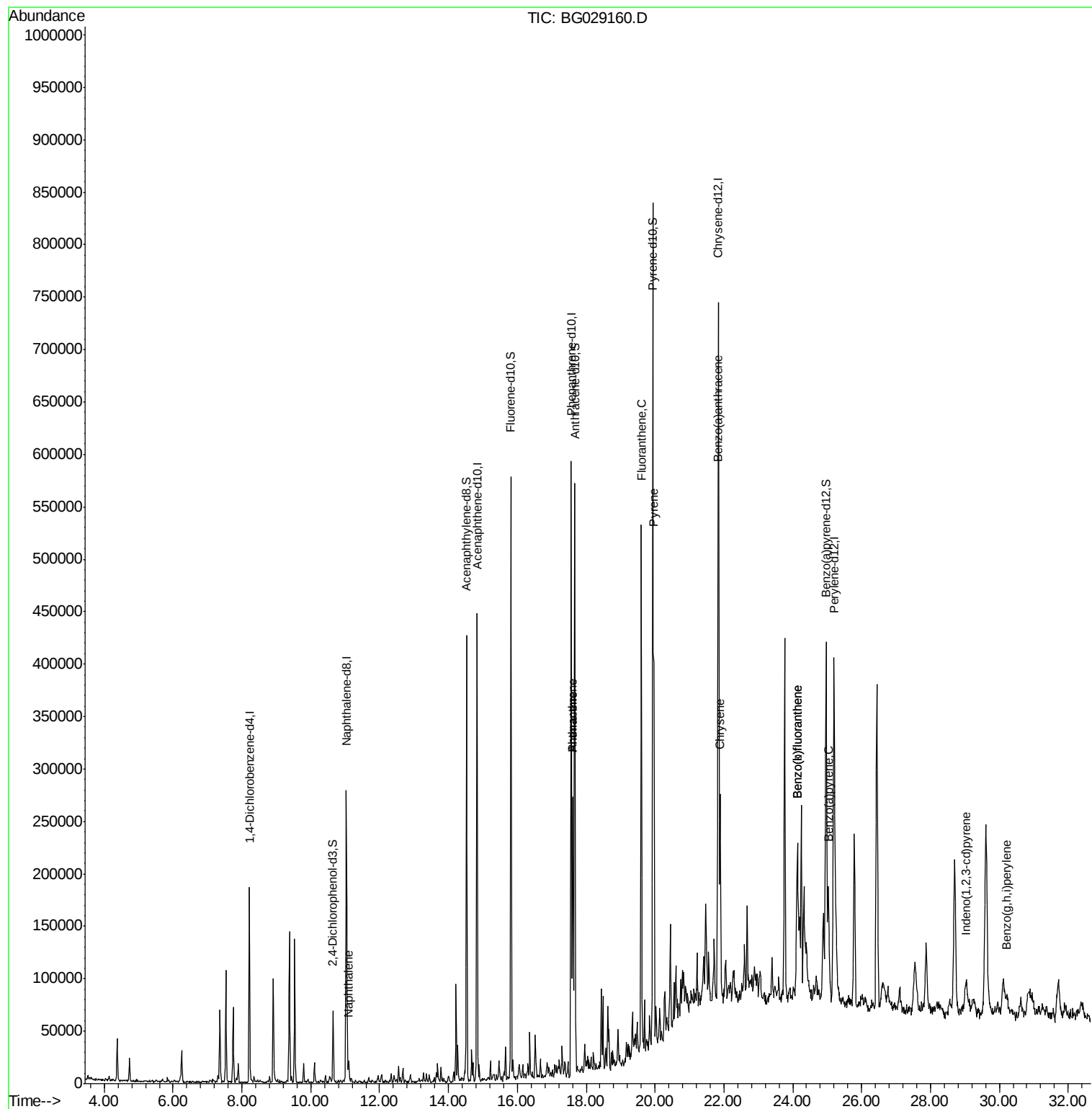
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	51692	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	231424	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	154665	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	360942	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	390210	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	392322	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	25670	5.80	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	315763	20.36	ng/ul	0.00
10) Fluorene-d10	15.82	176	239780	19.71	ng/ul	0.00
15) Anthracene-d10	17.66	188	346104	19.40	ng/ul	0.00
19) Pyrene-d10	19.93	212	427124	20.83	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	377649	19.24	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.09	128	14214	1.168	ng/ul	96
14) Phenanthrene	17.61	178	167583	8.571	ng/ul	97
16) Anthracene	17.61	178	167583	8.361	ng/ul	99
17) Fluoranthene	19.60	202	321774	13.986	ng/ul	99
20) Pyrene	19.96	202	281927	11.916	ng/ul	98
21) Benzo(a)anthracene	21.83	228	164853	6.934	ng/ul	99
22) Chrysene	21.89	228	152083	7.087	ng/ul	98
24) Benzo(b)fluoranthene	24.13	252	206963	8.561	ng/ul	97
25) Benzo(k)fluoranthene	24.13	252	206963	8.691	ng/ul	95
27) Benzo(a)pyrene	25.03	252	128085	5.429	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	29.04	276	68006	3.024	ng/ul#	93
30) Benzo(g,h,i)perylene	30.22	276	41051	2.618	ng/ul	97

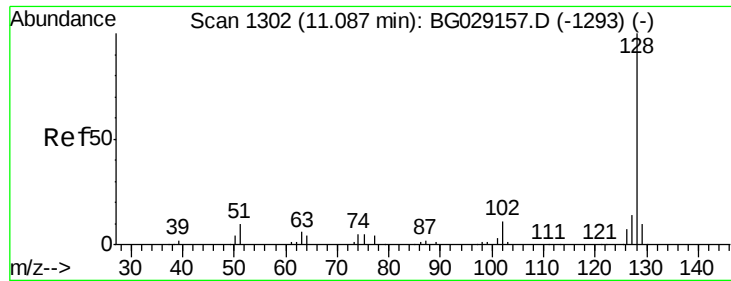
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.168 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BG029160.D

Acq: 11 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

CB3G4

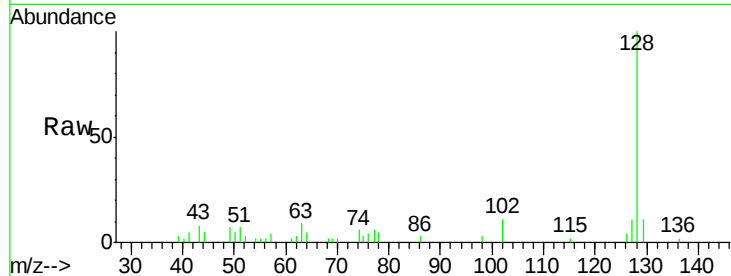
Tgt Ion:128 Resp: 14214

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

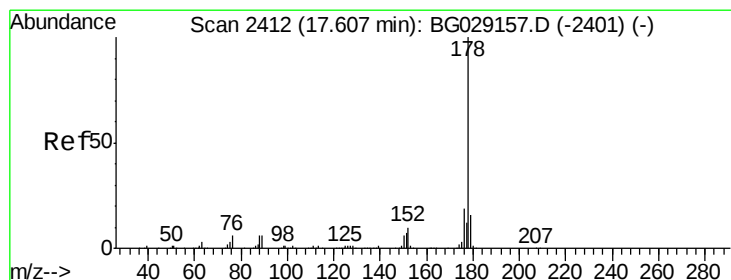
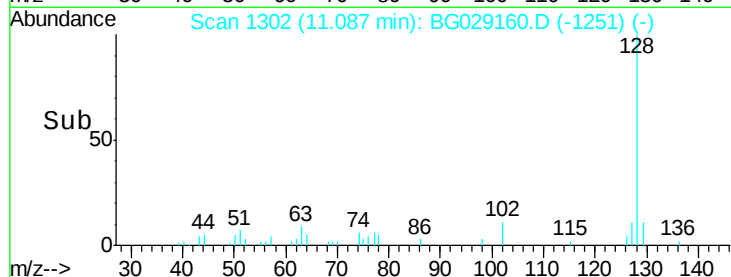
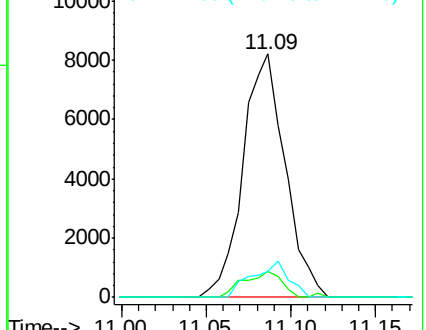
127 10.7 10.6 15.8



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



#14

Phenanthrene

Concen: 8.571 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG029160.D

Acq: 11 Oct 2017 5:22

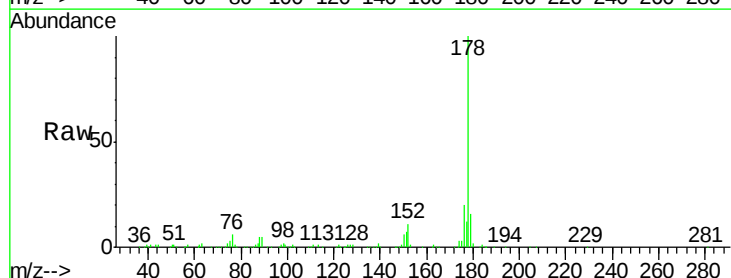
Tgt Ion:178 Resp: 167583

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

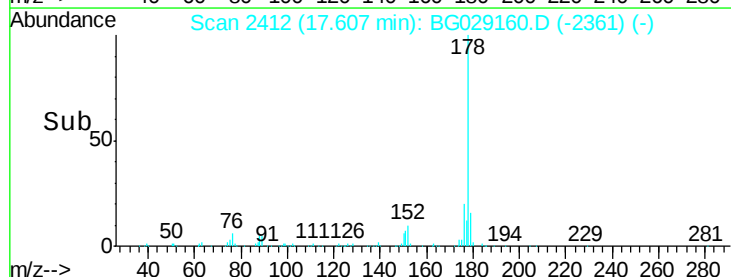
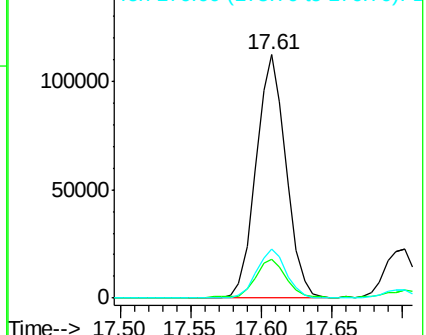
176 20.4 15.0 22.6

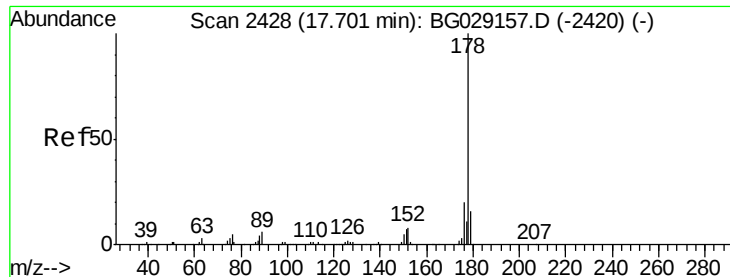


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

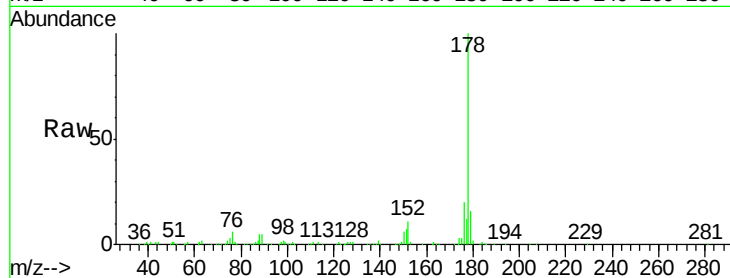




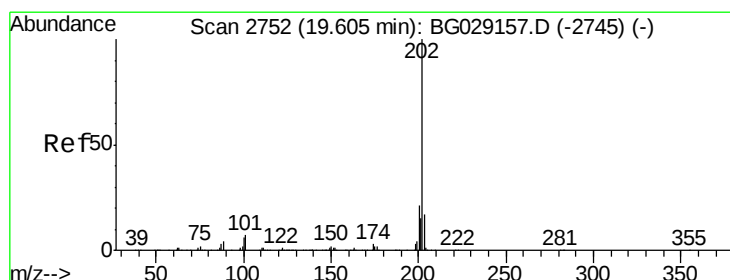
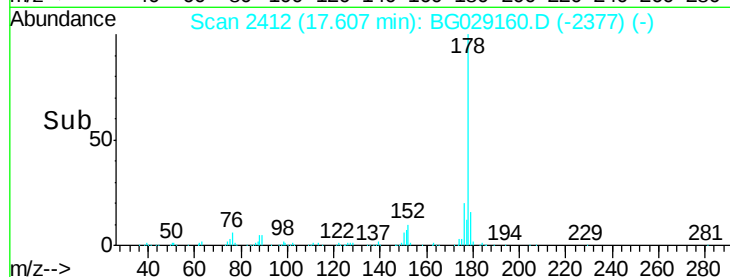
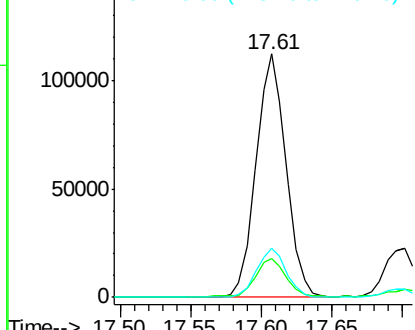
#16
 Anthracene
 Concen: 8.361 ng/ul
 RT: 17.61 min Scan# 2412
 Delta R.T. -0.09 min
 Lab File: BG029160.D
 Acq: 11 Oct 2017 5:22

Instrument :
 BNA_G
 ClientSampleId :
 CB3G4

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7
176	20.4	15.7	23.5

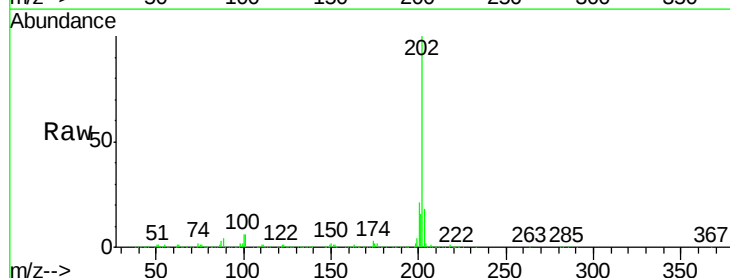


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

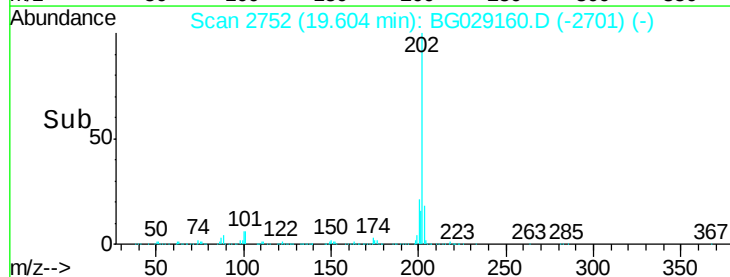
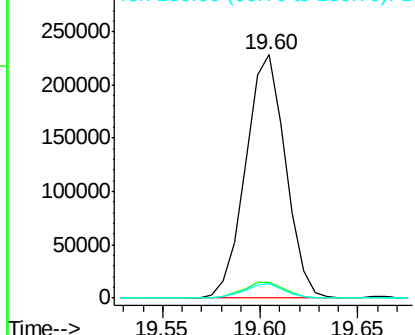


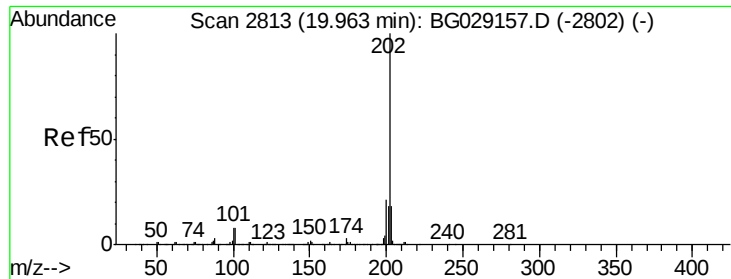
#17
 Fluoranthene
 Concen: 13.986 ng/ul
 RT: 19.60 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: BG029160.D
 Acq: 11 Oct 2017 5:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.6	8.4
100	6.2	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

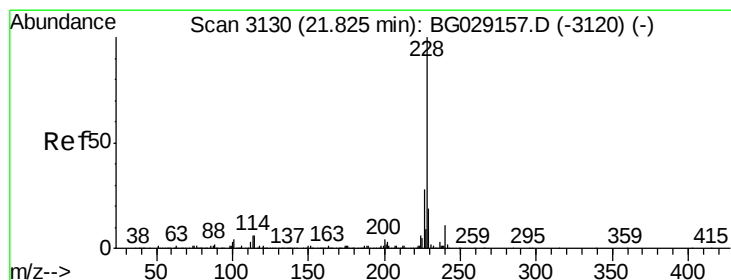
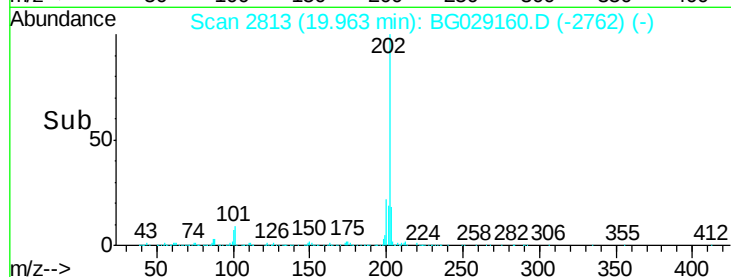
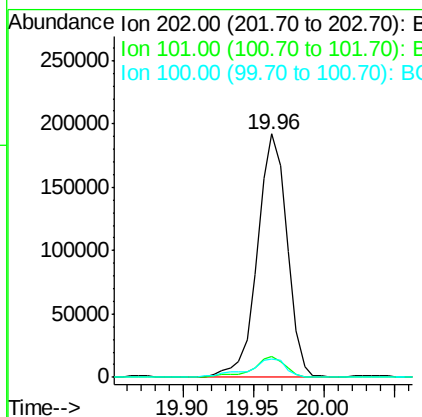
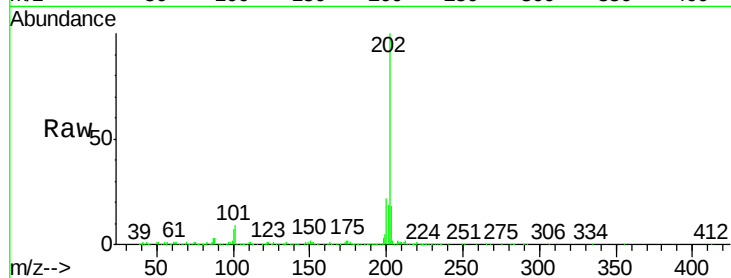




#20
 Pyrene
 Concen: 11.916 ng/ul
 RT: 19.96 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BG029160.D
 Acq: 11 Oct 2017 5:22

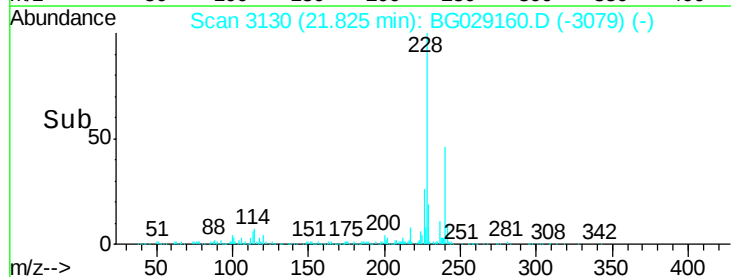
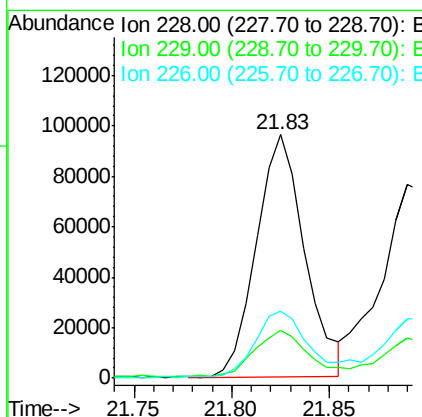
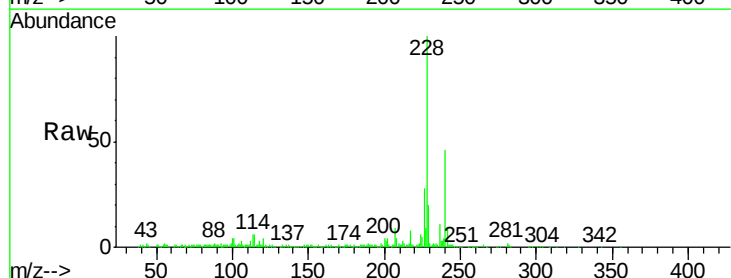
Instrument :
 BNA_G
 ClientSampleId :
 CB3G4

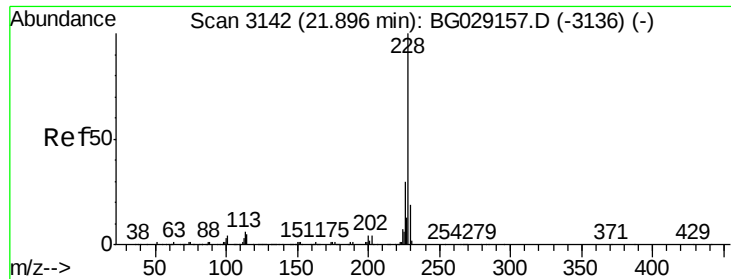
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.5	9.7
100	7.4	5.5	8.3



#21
 Benzo(a)anthracene
 Concen: 6.934 ng/ul
 RT: 21.83 min Scan# 3130
 Delta R.T. -0.00 min
 Lab File: BG029160.D
 Acq: 11 Oct 2017 5:22

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8
226	27.6	21.6	32.4





#22

Chrysene

Concen: 7.087 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG029160.D

Acq: 11 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

CB3G4

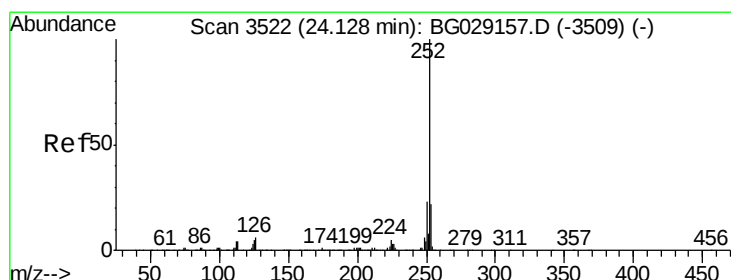
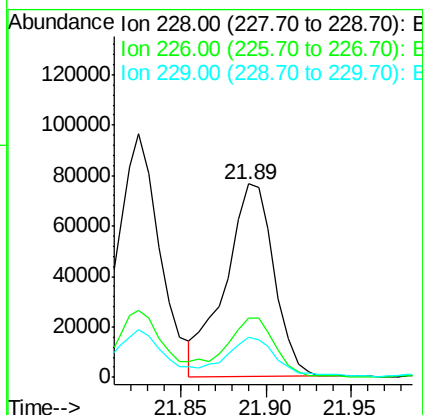
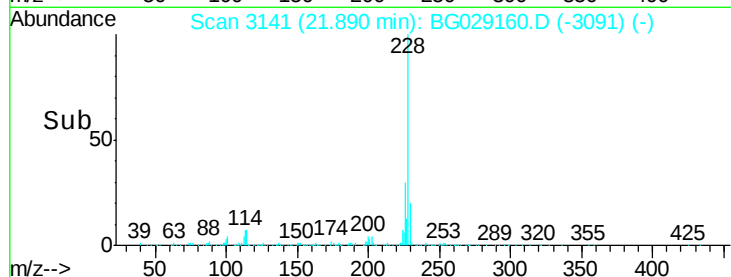
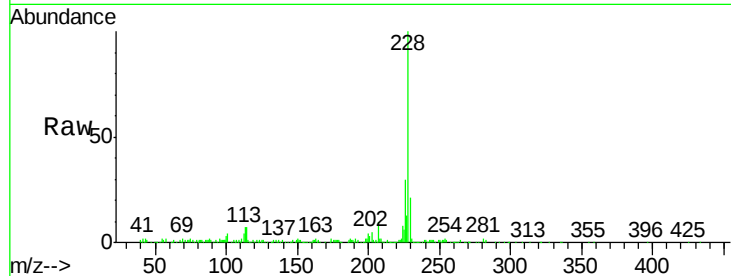
Tgt Ion:228 Resp: 152083

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.0

229 20.7 15.7 23.5



#24

Benzo(b)fluoranthene

Concen: 8.561 ng/ul

RT: 24.13 min Scan# 3523

Delta R.T. 0.01 min

Lab File: BG029160.D

Acq: 11 Oct 2017 5:22

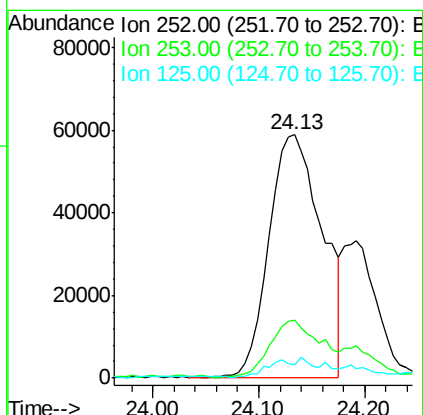
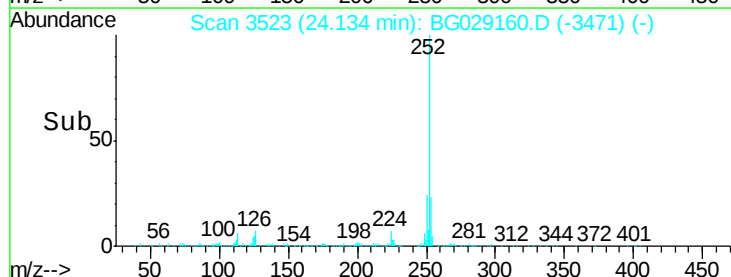
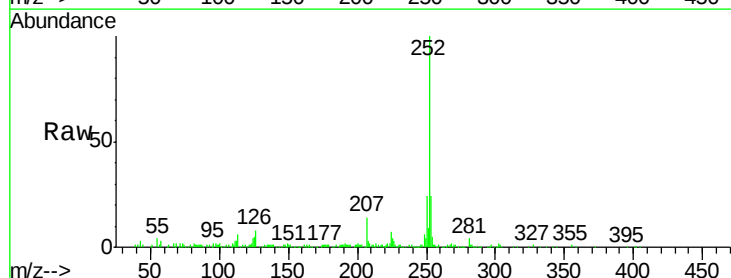
Tgt Ion:252 Resp: 206963

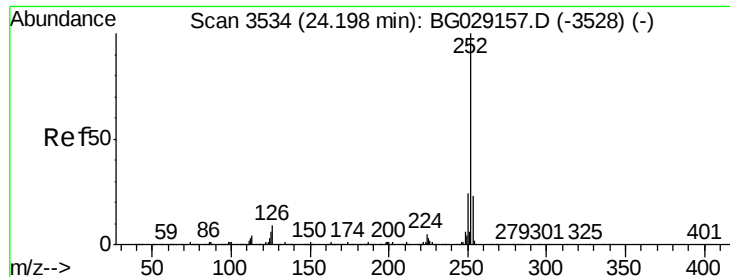
Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 5.4 4.5 6.7

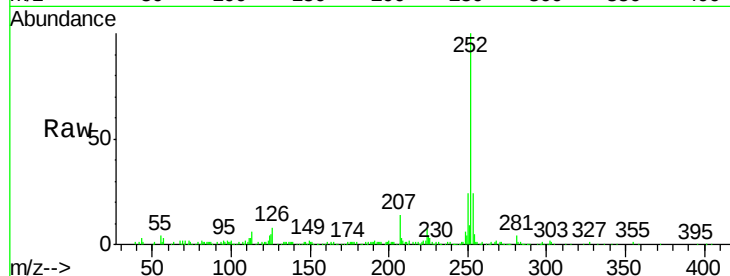




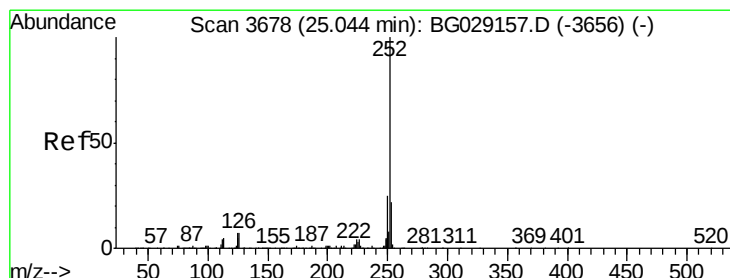
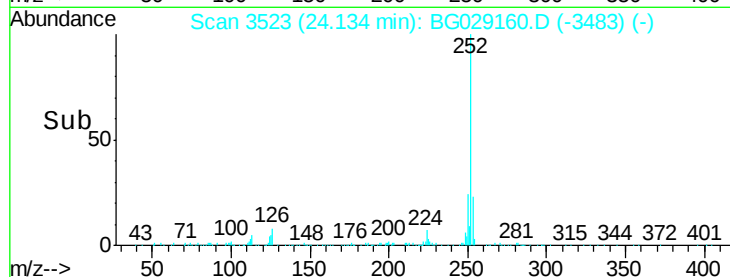
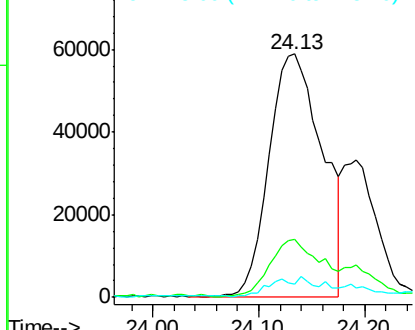
#25
Benzo(k)fluoranthene
Concen: 8.691 ng/u1
RT: 24.13 min Scan# 3523
Delta R.T. -0.06 min
Lab File: BG029160.D
Acq: 11 Oct 2017 5:22

Instrument :
BNA_G
ClientSampleId :
CB3G4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	16.8	25.2
125	5.4	5.1	7.7

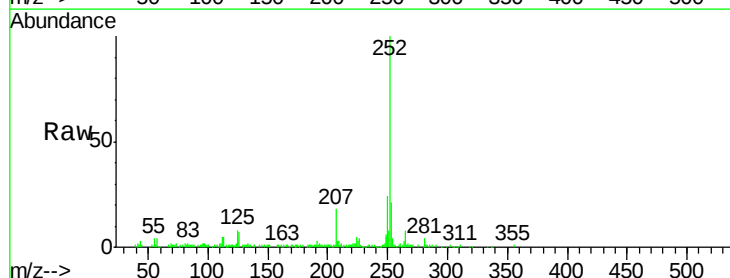


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

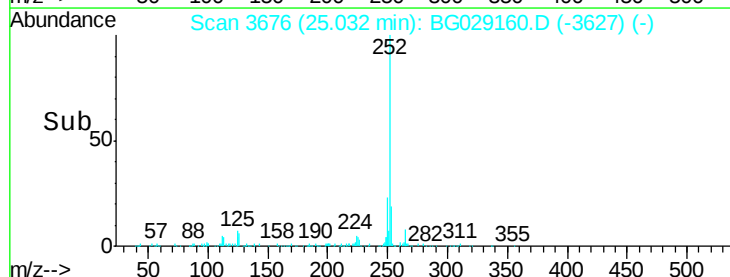
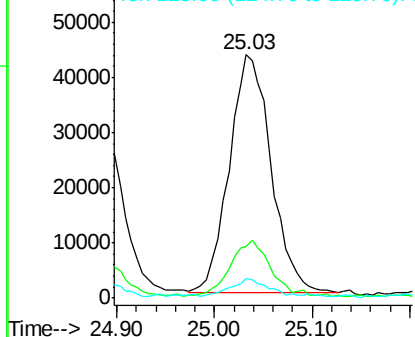


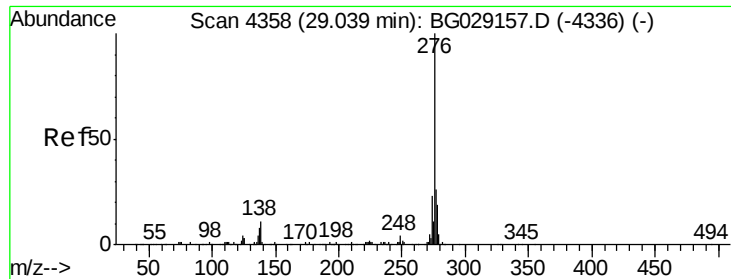
#27
Benzo(a)pyrene
Concen: 5.429 ng/u1
RT: 25.03 min Scan# 3676
Delta R.T. -0.01 min
Lab File: BG029160.D
Acq: 11 Oct 2017 5:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	7.8	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





#28

Indeno(1,2,3-cd)pyrene

Concen: 3.024 ng/ul

RT: 29.04 min Scan# 4358

Delta R.T. -0.00 min

Lab File: BG029160.D

Acq: 11 Oct 2017 5:22

Instrument :

BNA_G

ClientSampleId :

CB3G4

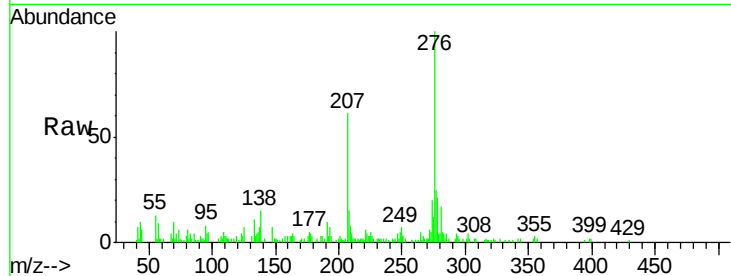
Tgt Ion:276 Resp: 68006

Ion Ratio Lower Upper

276 100

138 15.4 9.5 14.3#

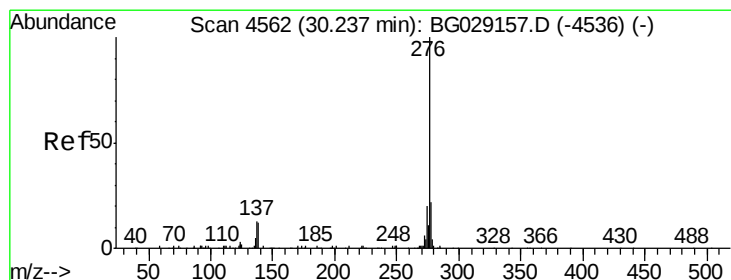
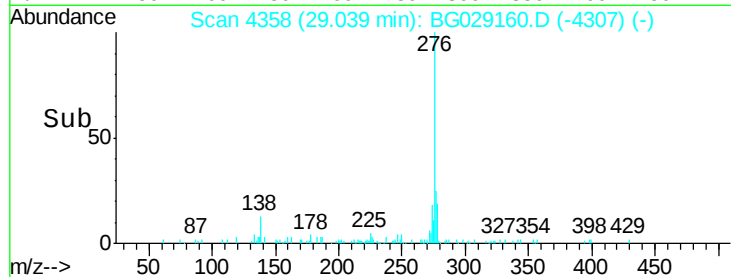
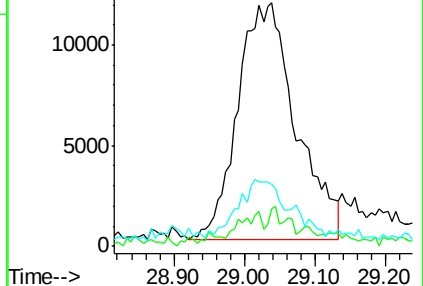
277 25.4 18.1 27.1



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



#30

Benzo(g,h,i)perylene

Concen: 2.618 ng/ul

RT: 30.22 min Scan# 4559

Delta R.T. -0.02 min

Lab File: BG029160.D

Acq: 11 Oct 2017 5:22

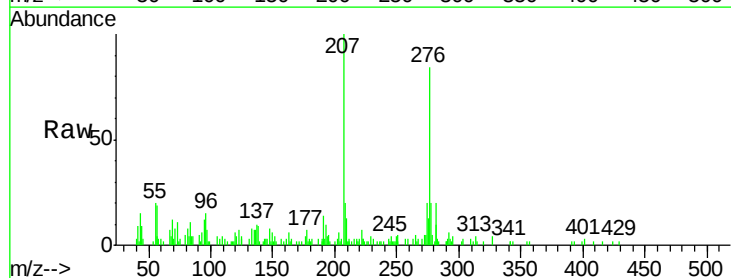
Tgt Ion:276 Resp: 41051

Ion Ratio Lower Upper

276 100

138 10.5 9.3 13.9

277 24.1 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

