

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029120.D
 Acq On : 9 Oct 2017 23:18
 Operator : SJ/JU
 Sample : I5578-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAGQ5

Quant Time: Oct 10 06:35:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 06:24:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	56715	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	250085	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	170108	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	377009	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	393638	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	409047	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.52	160	488537	27.61	ng/ul	0.00
10) Fluorene-d10	15.82	176	380308	29.64	ng/ul	0.00
14) Anthracene-d10	17.67	188	555901	30.44	ng/ul	0.00
18) Pyrene-d10	19.93	212	647112	32.13	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.96	264	609634	31.11	ng/ul	0.01

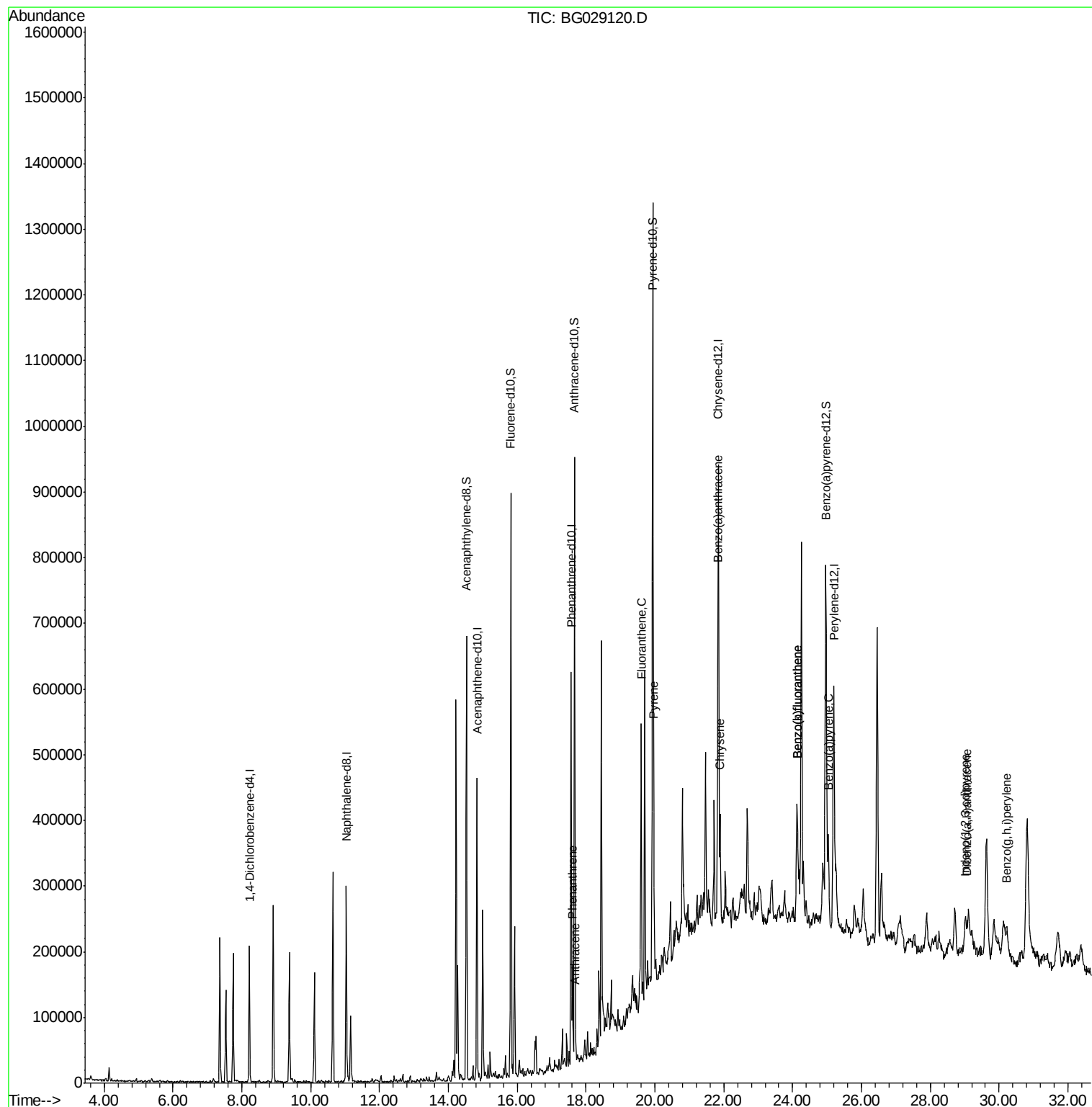
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	17.61	178	94024	4.676	ng/ul	97
15) Anthracene	17.70	178	21470	1.044	ng/ul	97
16) Fluoranthene	19.60	202	216435	9.181	ng/ul#	93
19) Pyrene	19.96	202	187921	7.659	ng/ul#	91
20) Benzo(a)anthracene	21.83	228	128360	5.537	ng/ul	92
21) Chrysene	21.89	228	131345	6.188	ng/ul	96
23) Benzo(b)fluoranthene	24.13	252	230081	9.402	ng/ul	97
24) Benzo(k)fluoranthene	24.13	252	221290	9.265	ng/ul	97
26) Benzo(a)pyrene	25.04	252	158236	6.657	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	29.01	276	119122	4.416	ng/ul#	89
28) Dibenzo(a,h)anthracene	29.07	278	33725	1.510	ng/ul#	82
29) Benzo(g,h,i)perylene	30.21	276	94808	4.262	ng/ul#	90

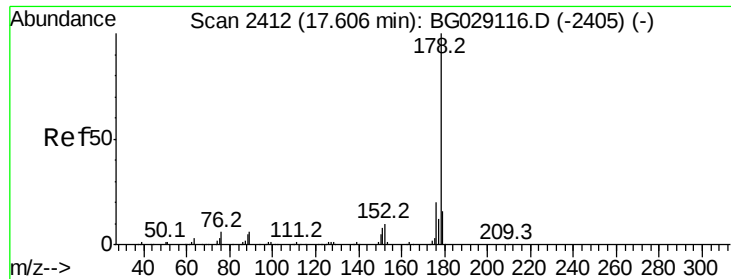
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 4.676 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

Instrument :

BNA_G

ClientSampleId :

DAGQ5

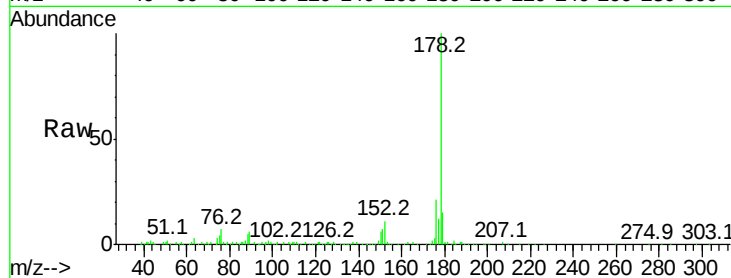
Tot Ion:178 Resp: 94024

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

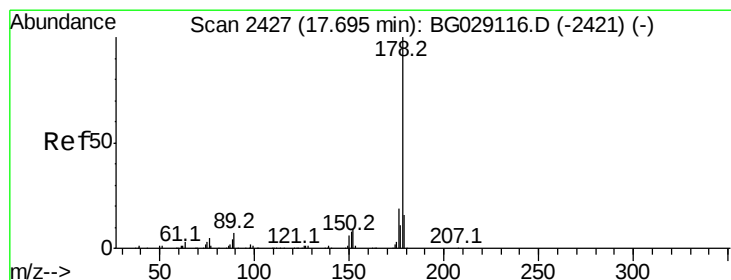
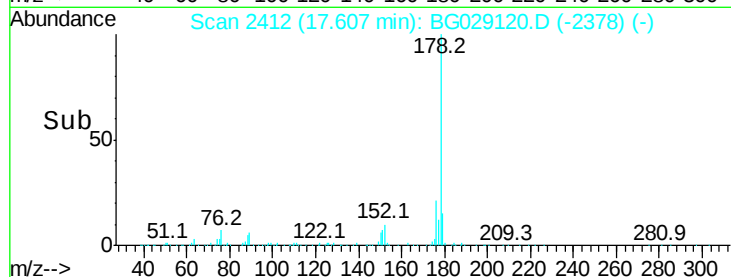
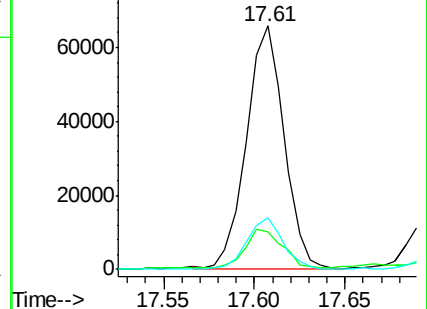
176 21.0 15.1 22.7



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



#15

Anthracene

Concen: 1.044 ng/ul

RT: 17.70 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

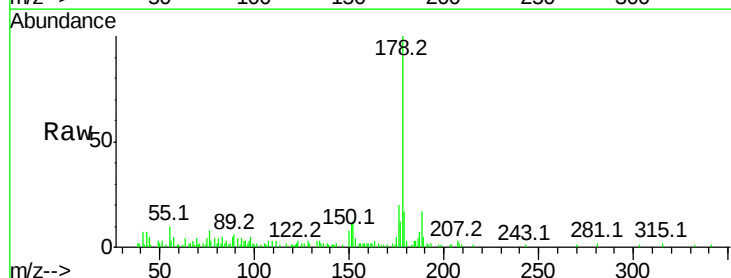
Tgt Ion:178 Resp: 21470

Ion Ratio Lower Upper

178 100

179 16.7 11.8 17.8

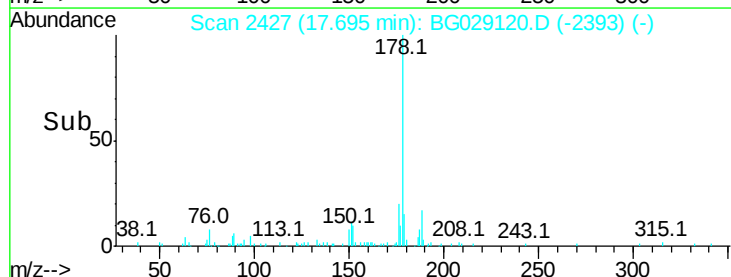
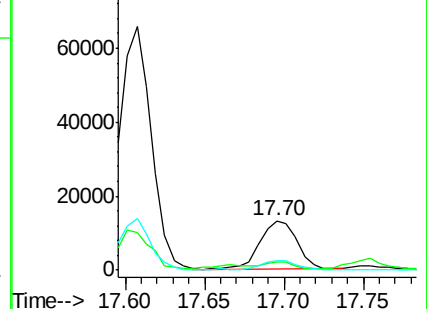
176 19.7 15.2 22.8

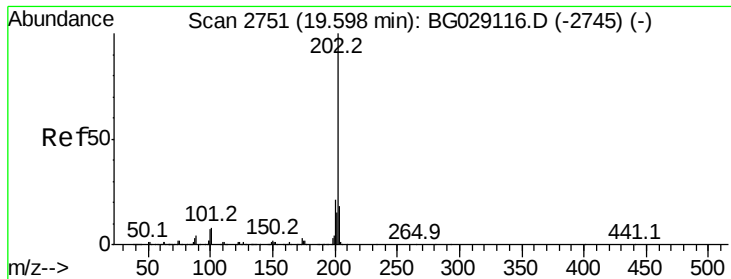


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 9.181 ng/ul

RT: 19.60 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

Instrument :

BNA_G

ClientSampleId :

DAGQ5

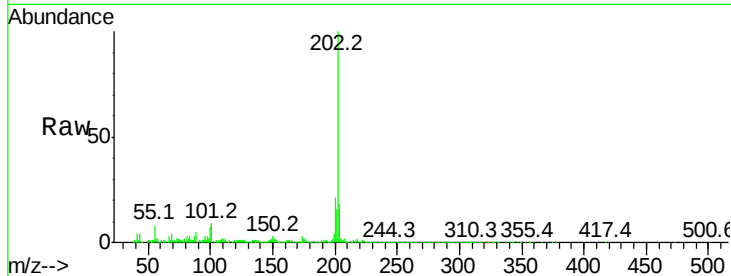
Tot Ion:202 Resp: 216435

Ion Ratio Lower Upper

202 100

101 9.1 9.9 14.9#

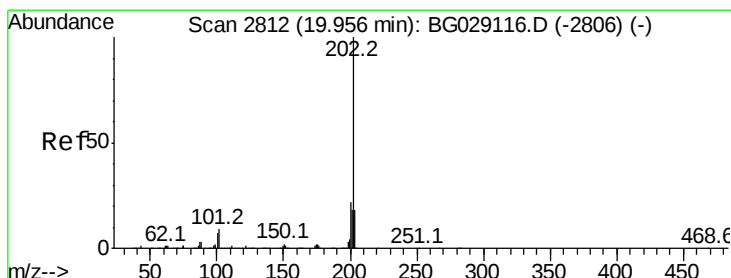
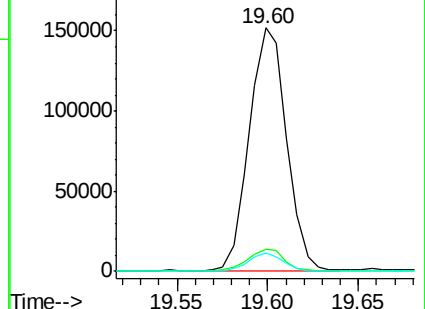
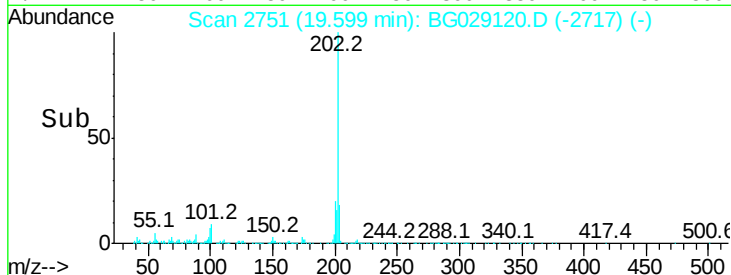
100 7.3 7.4 11.0#



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



#19

Pyrene

Concen: 7.659 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

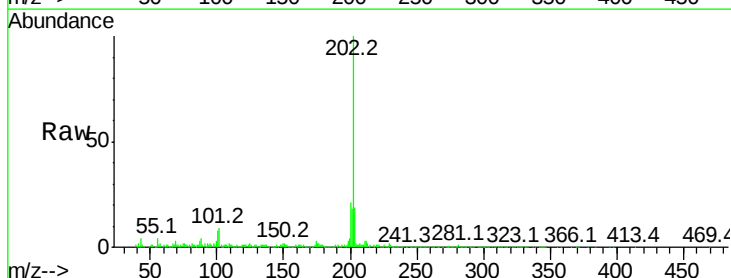
Tgt Ion:202 Resp: 187921

Ion Ratio Lower Upper

202 100

101 9.4 11.0 16.4#

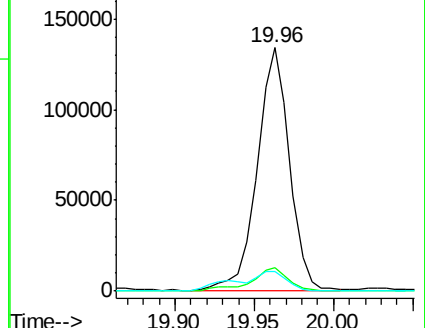
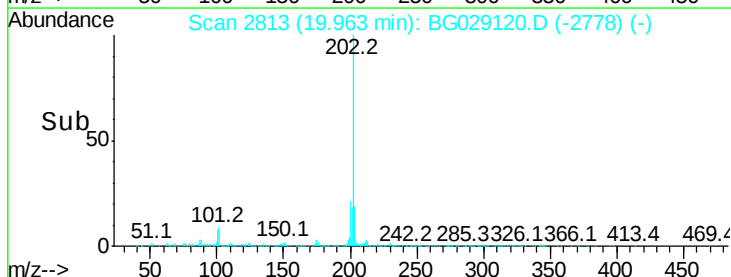
100 7.8 8.1 12.1#

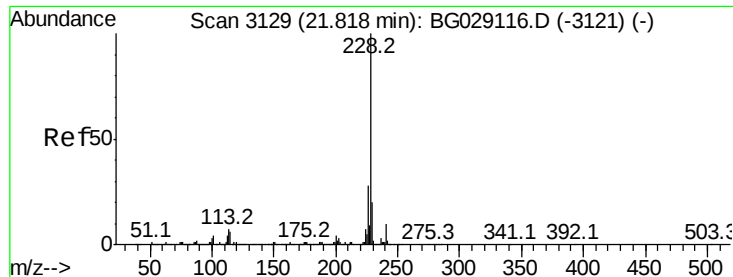


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

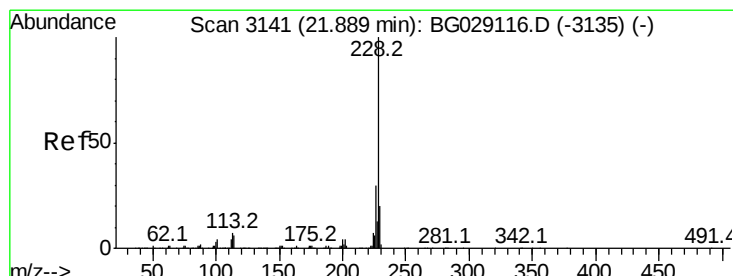
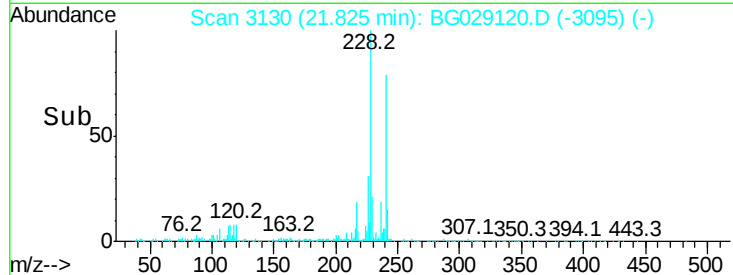
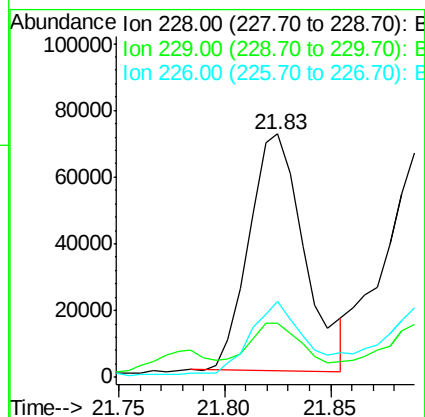
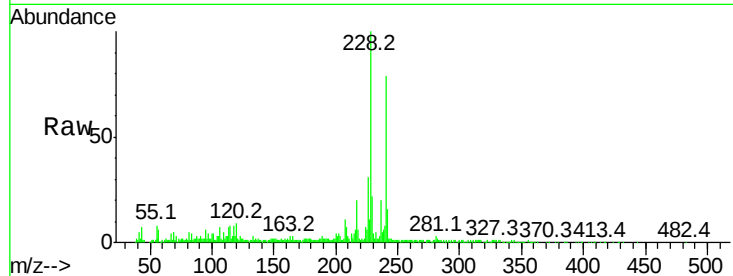




#20
Benzo(a)anthracene
Concen: 5.537 ng/ul
RT: 21.83 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BG029120.D
Acq: 9 Oct 2017 23:18

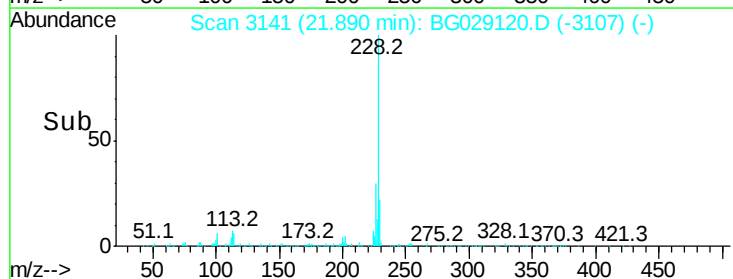
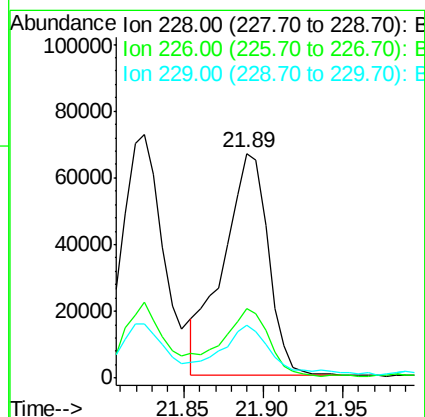
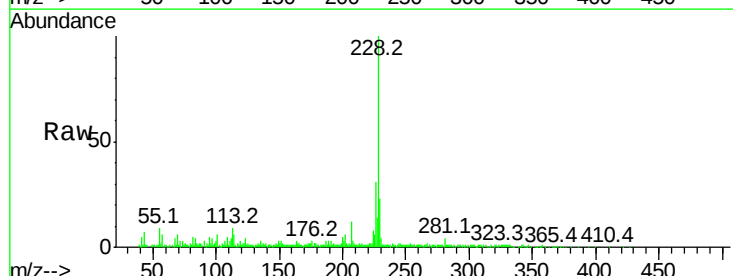
Instrument :
BNA_G
ClientSampled :
DAGQ5

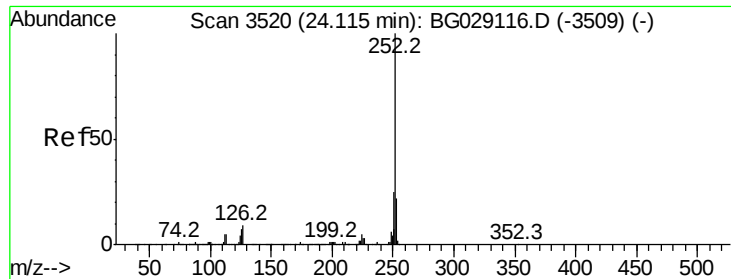
Tot Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.7	23.5
226	31.3	21.1	31.7



#21
Chrysene
Concen: 6.188 ng/ul
RT: 21.89 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG029120.D
Acq: 9 Oct 2017 23:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.5	36.7
229	23.4	15.8	23.8





#23

Benzo(b)fluoranthene

Concen: 9.402 ng/ul

RT: 24.13 min Scan# 3522

Delta R.T. 0.01 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

Instrument :

BNA_G

ClientSampleId :

DAGQ5

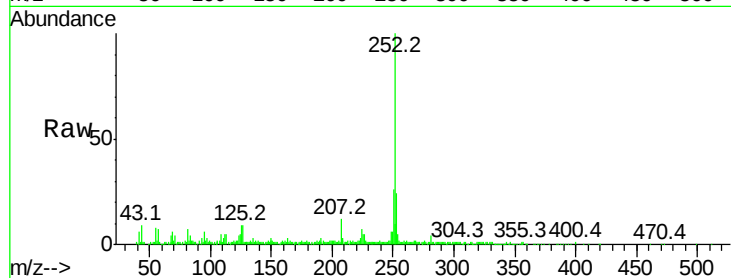
Tot Ion:252 Resp: 230081

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

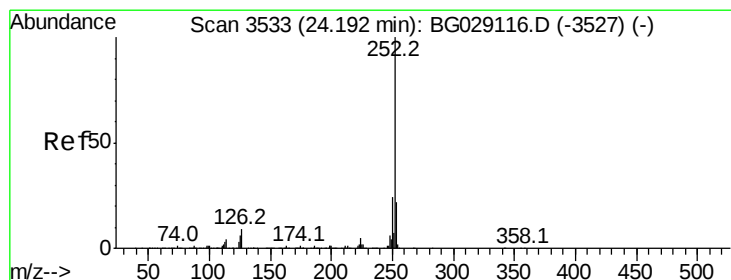
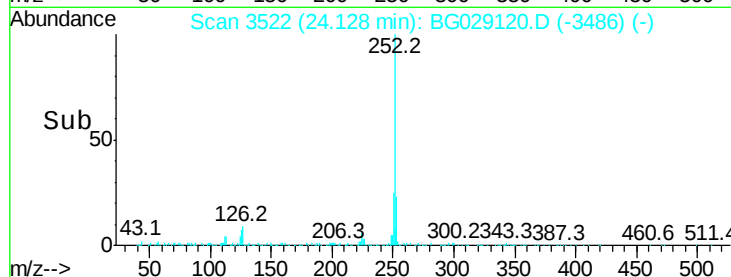
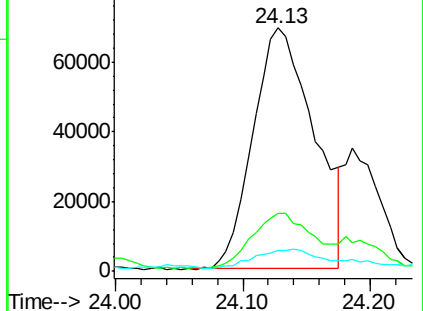
125 8.6 8.0 12.0



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



#24

Benzo(k)fluoranthene

Concen: 9.265 ng/ul

RT: 24.13 min Scan# 3522

Delta R.T. -0.06 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

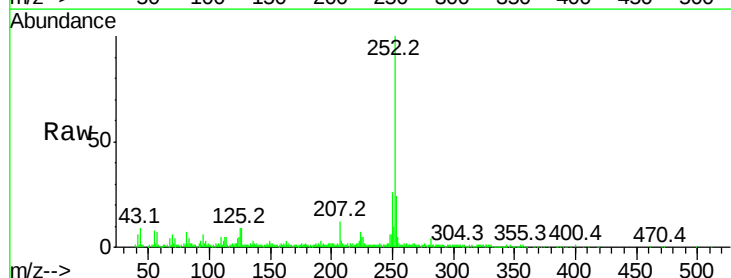
Tgt Ion:252 Resp: 221290

Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

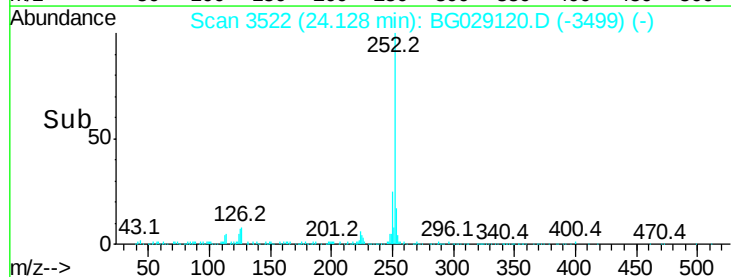
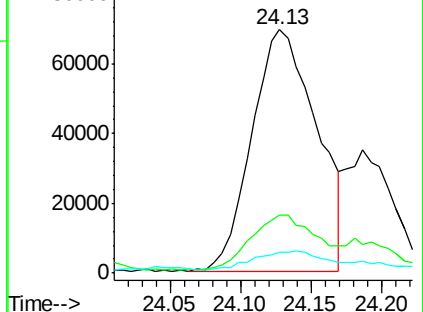
125 8.6 8.1 12.1

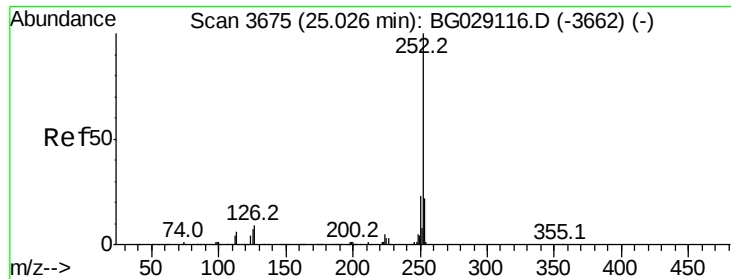


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 6.657 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. 0.01 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

Instrument :

BNA_G

ClientSampleId :

DAGQ5

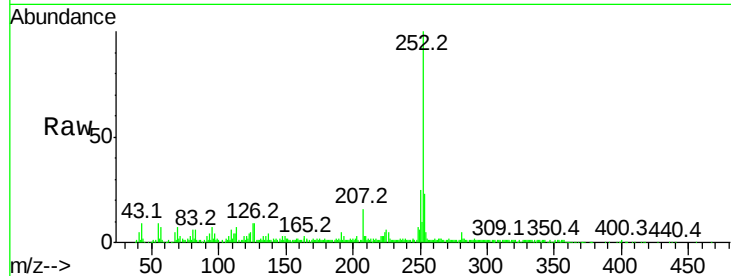
Tot Ion:252 Resp: 158236

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

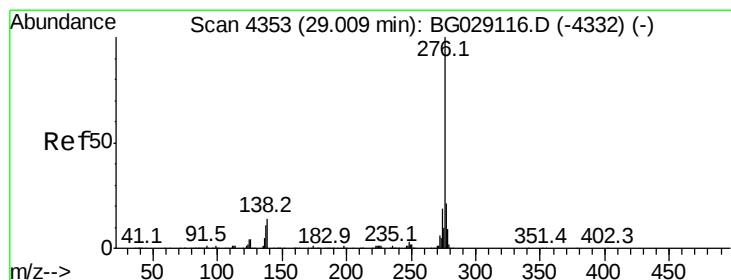
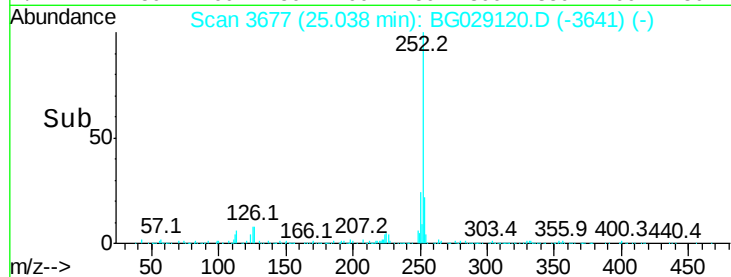
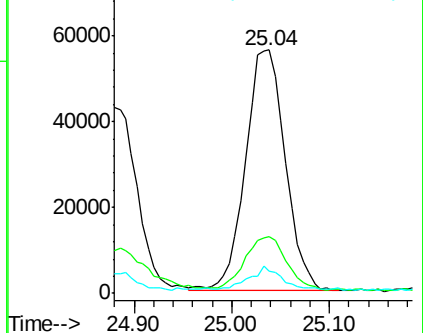
125 9.3 8.2 12.4



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.416 ng/ul

RT: 29.01 min Scan# 4353

Delta R.T. 0.00 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

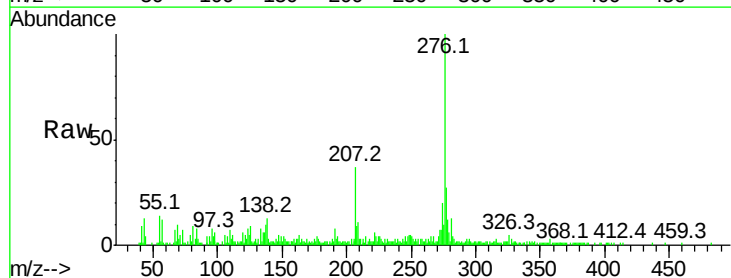
Tgt Ion:276 Resp: 119122

Ion Ratio Lower Upper

276 100

138 12.8 14.4 21.6#

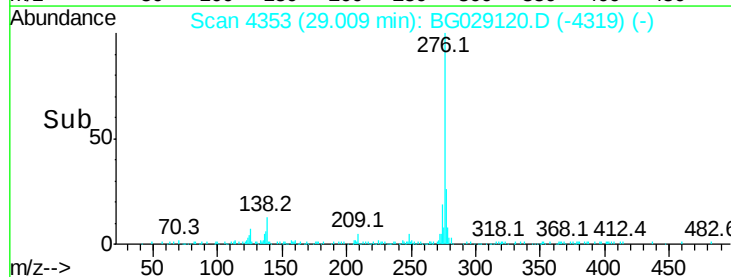
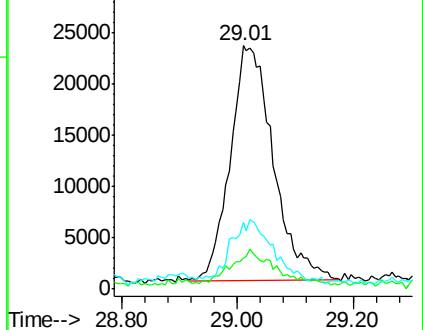
277 27.3 18.0 27.0#

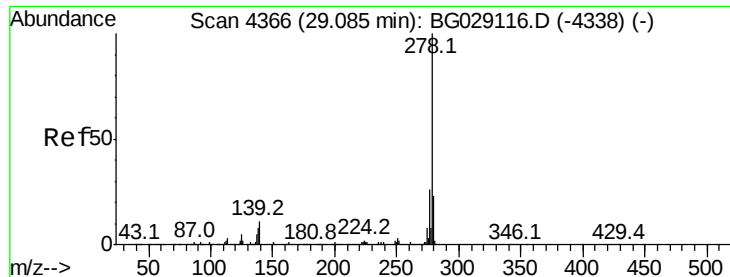


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.510 ng/ul

RT: 29.07 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

Instrument :

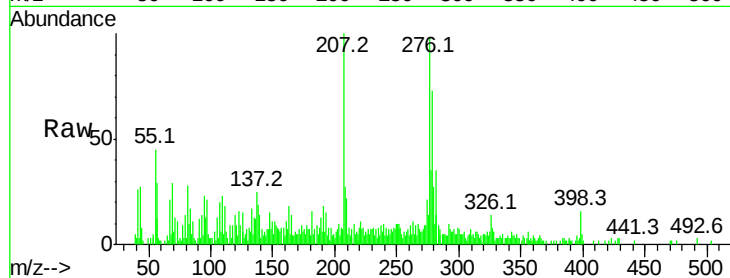
BNA_G

ClientSampleId :

DAGQ5

Tot Ion:278 Resp: 33725

Ion	Ratio	Lower	Upper
278	100		
139	19.0	12.2	18.4#
279	36.1	19.2	28.8#

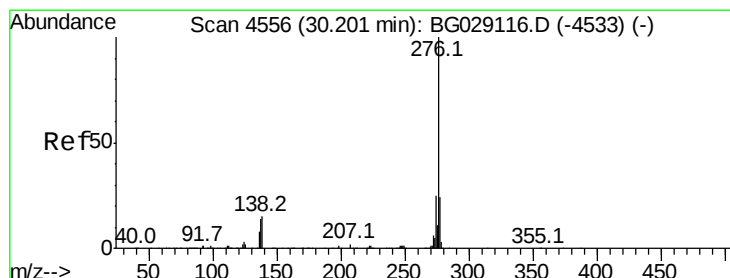
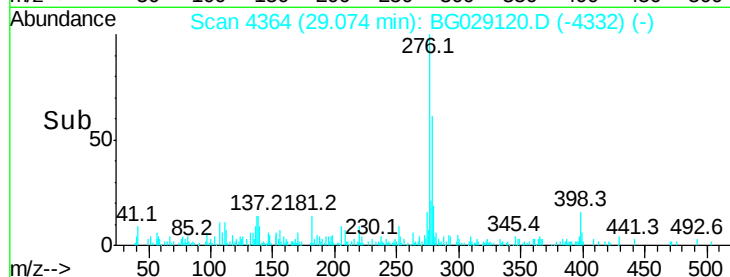
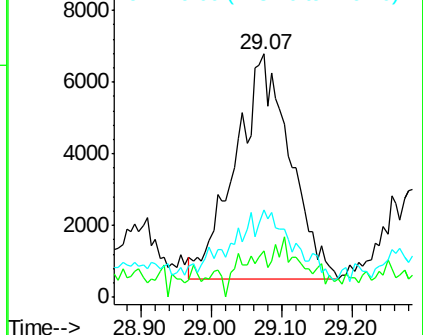


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 4.262 ng/ul

RT: 30.21 min Scan# 4558

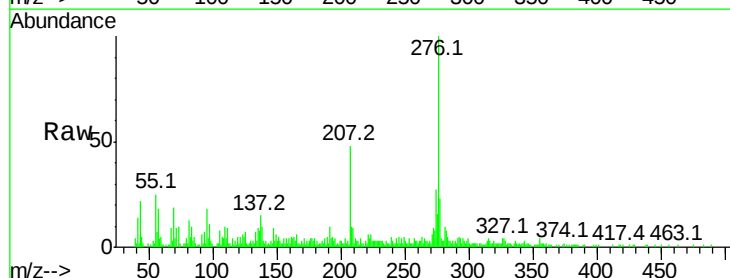
Delta R.T. 0.01 min

Lab File: BG029120.D

Acq: 9 Oct 2017 23:18

Tgt Ion:276 Resp: 94808

Ion	Ratio	Lower	Upper
276	100		
138	10.2	15.3	22.9#
277	23.0	19.0	28.4



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

