

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029103.D
 Acq On : 9 Oct 2017 12:00
 Operator : SJ/JU
 Sample : I5577-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAH80

Quant Time: Oct 10 04:46:32 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 04:45:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	48336	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	220657	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	152566	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	334433	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	347905	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	349962	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.52	160	432510	27.26	ng/ul	0.00
10) Fluorene-d10	15.81	176	322551	28.03	ng/ul	0.00
14) Anthracene-d10	17.66	188	449798	27.77	ng/ul	0.00
18) Pyrene-d10	19.93	212	517832	29.09	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.95	264	473860	28.26	ng/ul	0.00

Target Compounds

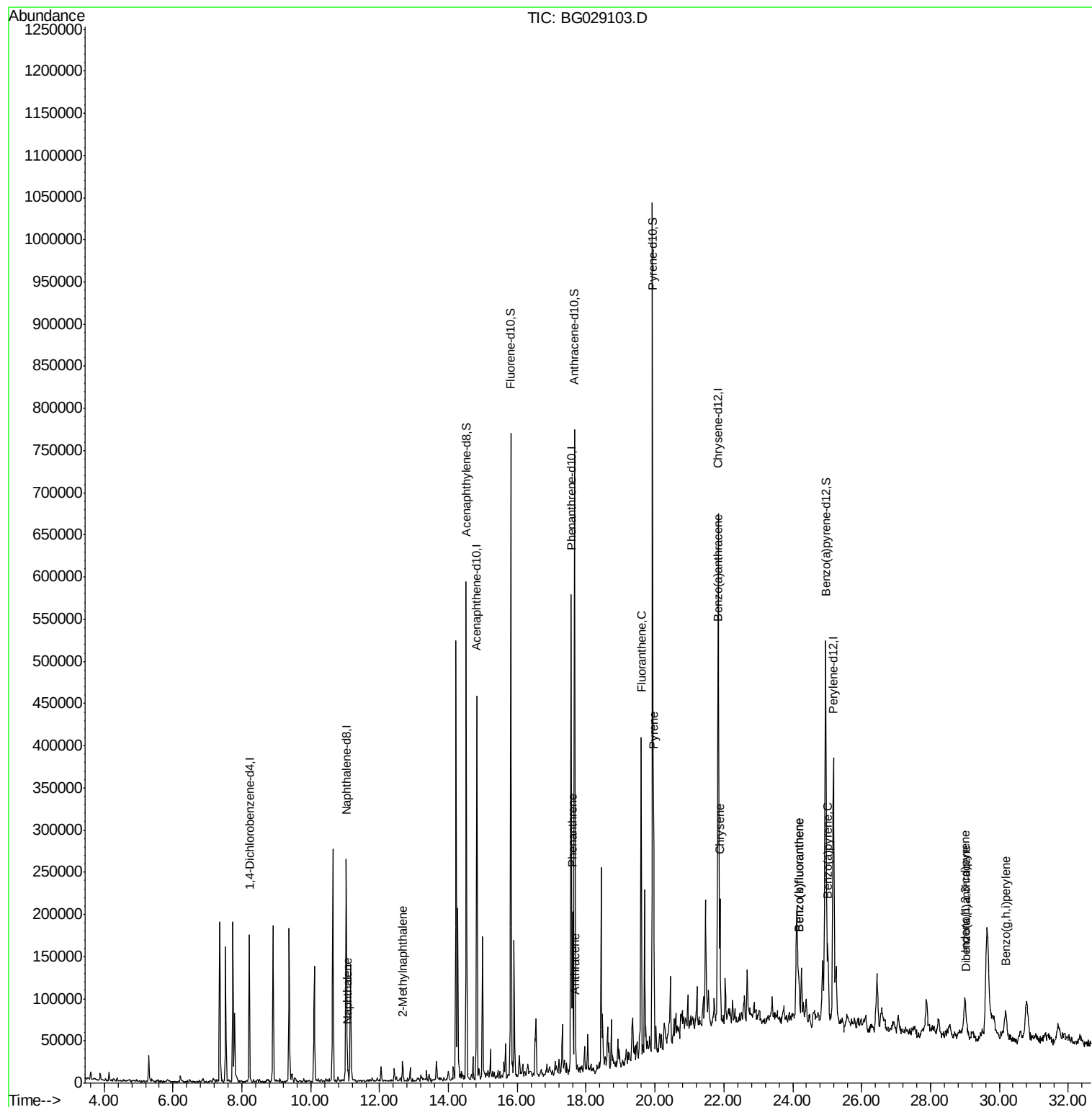
					Ovalue	
3) Naphthalene	11.08	128	11886	1.035	ng/ul	96
4) 2-Methylnaphthalene	12.67	142	10582	1.214	ng/ul	87
13) Phenanthrene	17.60	178	122108	6.845	ng/ul	99
15) Anthracene	17.70	178	19416	1.064	ng/ul	96
16) Fluoranthene	19.60	202	222461	10.638	ng/ul#	90
19) Pyrene	19.96	202	178768	8.243	ng/ul#	94
20) Benzo(a)anthracene	21.82	228	108401	5.291	ng/ul	92
21) Chrysene	21.88	228	108327	5.774	ng/ul	98
23) Benzo(b)fluoranthene	24.18	252	49076	2.344	ng/ul	94
24) Benzo(k)fluoranthene	24.18	252	49994	2.447	ng/ul	94
26) Benzo(a)pyrene	25.02	252	96261	4.734	ng/ul	94
27) Indeno(1,2,3-cd)pyrene	29.00	276	79290	3.436	ng/ul	97
28) Dibenzo(a,h)anthracene	29.05	278	22868	1.197	ng/ul#	86
29) Benzo(a,h,i)perylene	30.20	276	66709	3.505	ng/ul	94

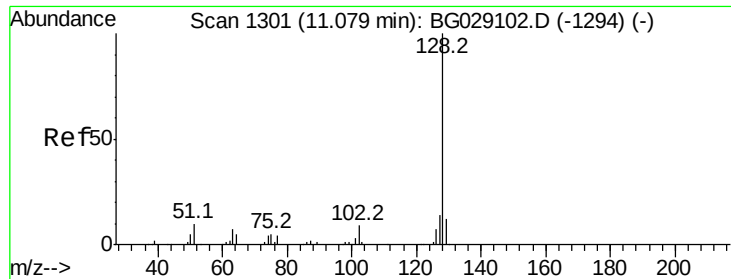
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.035 ng/ul

RT: 11.08 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

Instrument :

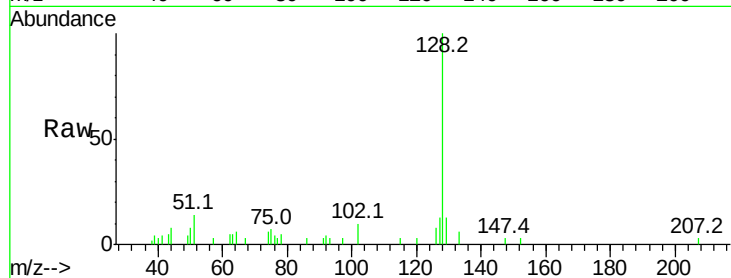
BNA_G

ClientSampleId :

DAH80

Tot Ion:128 Resp: 11886

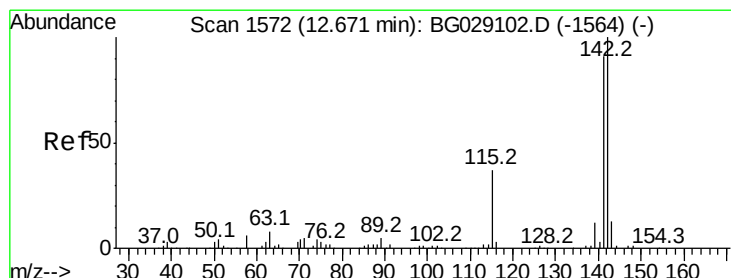
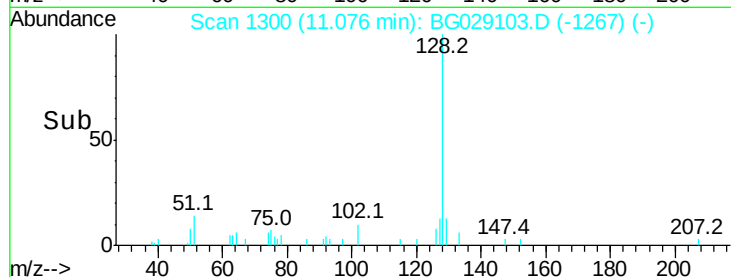
Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.7	13.1
127	12.5	10.6	16.0



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



#4

2-Methylnaphthalene

Concen: 1.214 ng/ul

RT: 12.67 min Scan# 1571

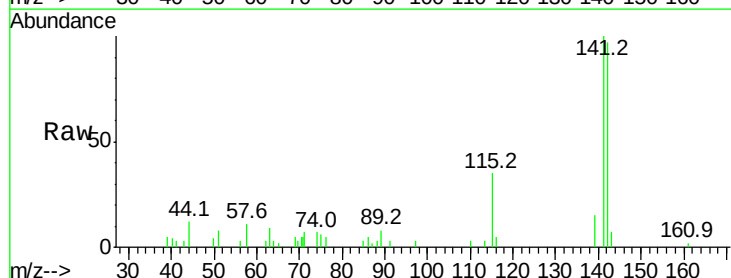
Delta R.T. -0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

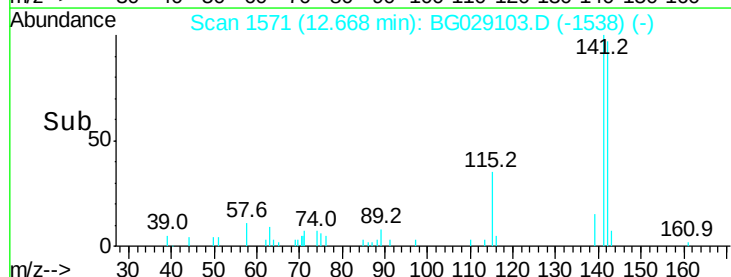
Tgt Ion:142 Resp: 10582

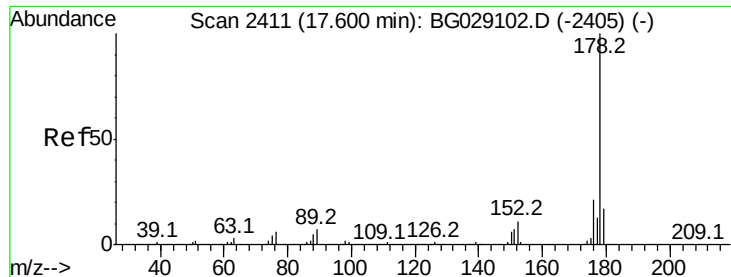
Ion	Ratio	Lower	Upper
142	100		
141	103.0	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#13

Phenanthrene

Concen: 6.845 ng/ul

RT: 17.60 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

Instrument :

BNA_G

ClientSampled :

DAH80

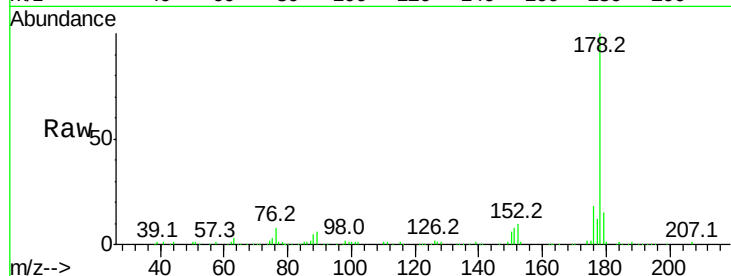
Tot Ion:178 Resp: 122108

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

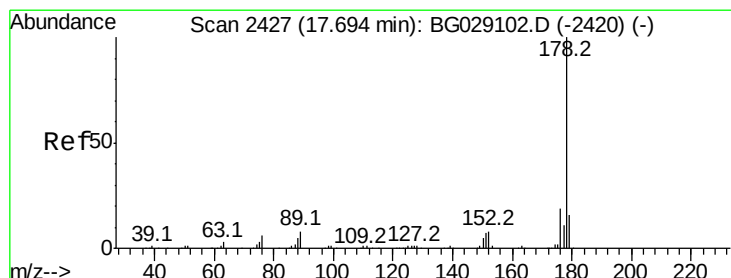
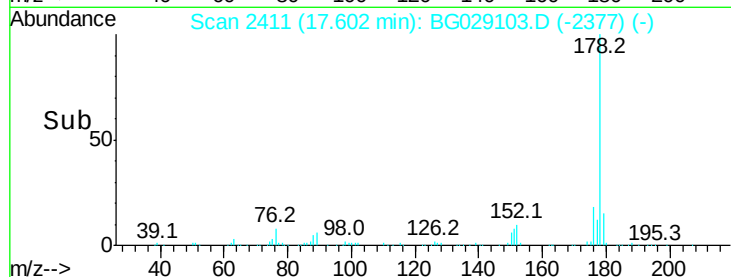
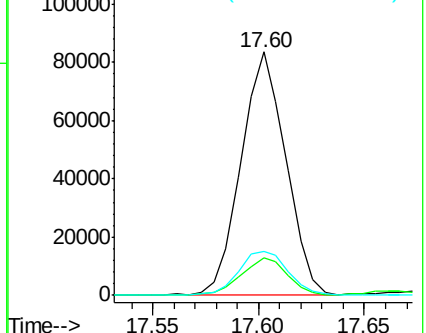
176 18.1 15.1 22.7



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: 1.064 ng/ul

RT: 17.70 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

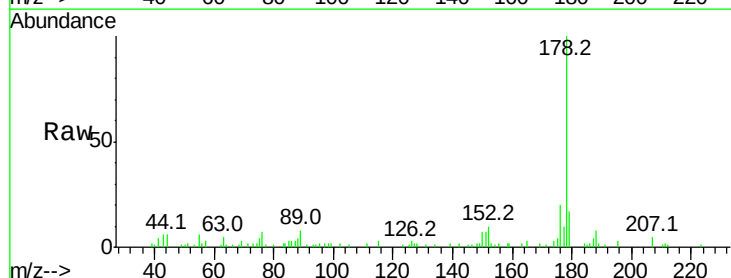
Tgt Ion:178 Resp: 19416

Ion Ratio Lower Upper

178 100

179 16.8 11.8 17.8

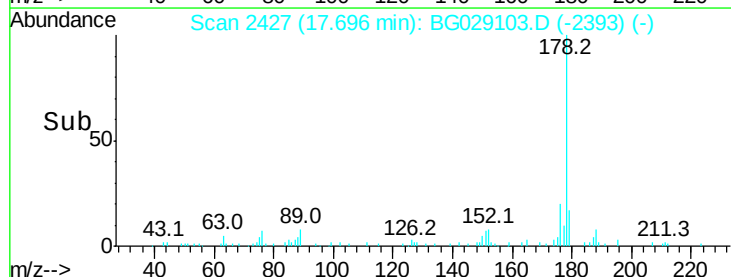
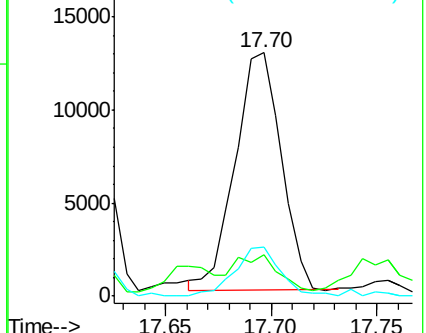
176 20.1 15.2 22.8

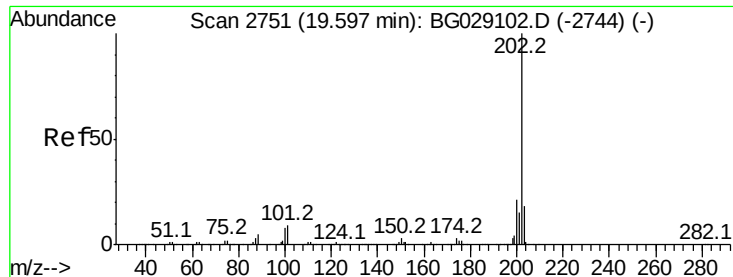


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

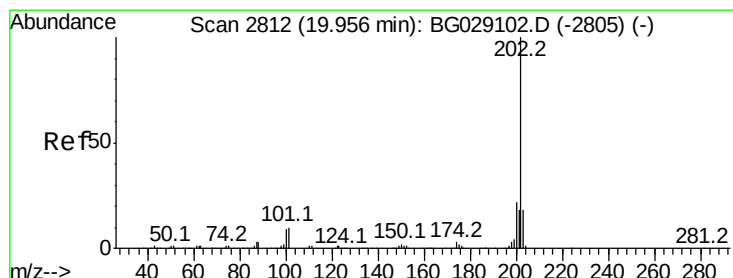
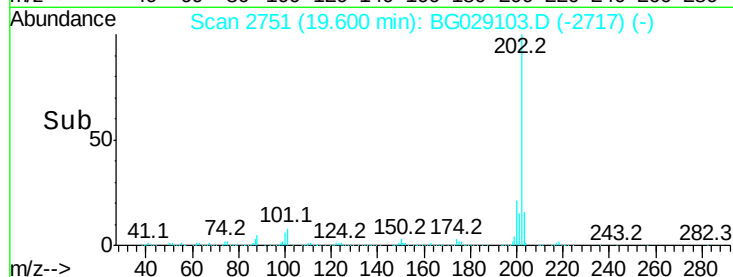
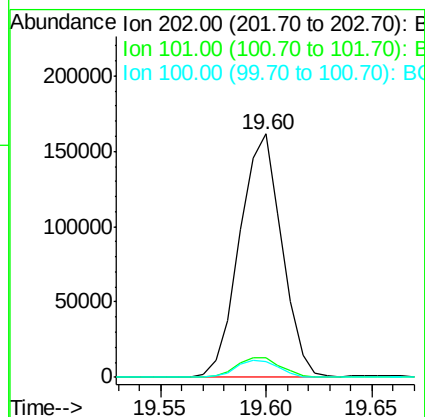
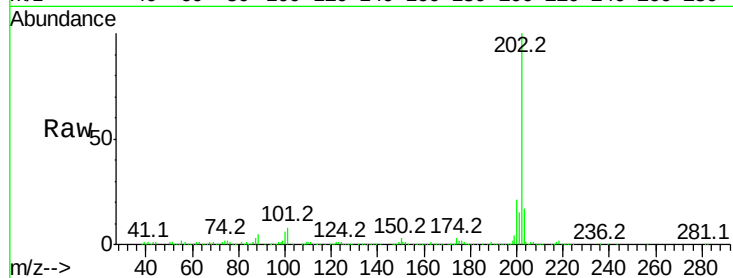




#16
 Fluoranthene
 Concen: 10.638 ng/ul
 RT: 19.60 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: BG029103.D
 Acq: 9 Oct 2017 12:00

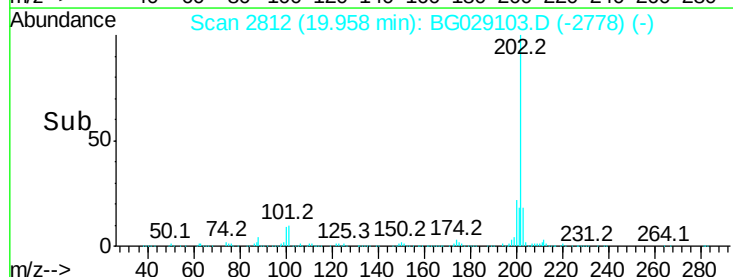
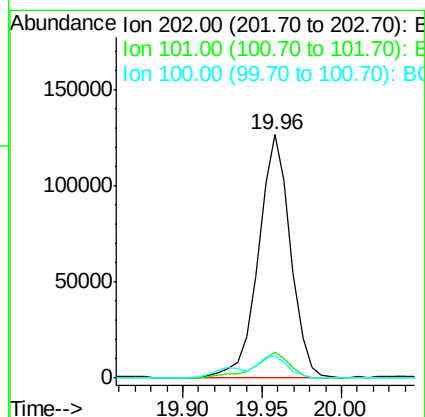
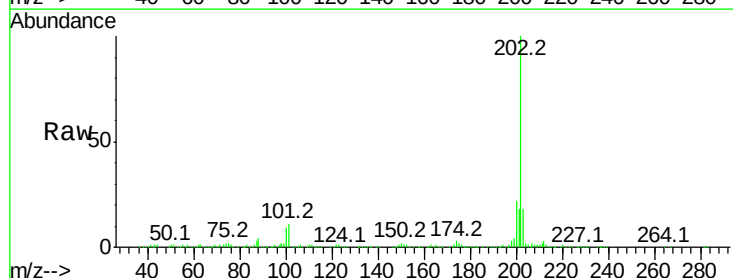
Instrument :
 BNA_G
 ClientSampleId :
 DAH80

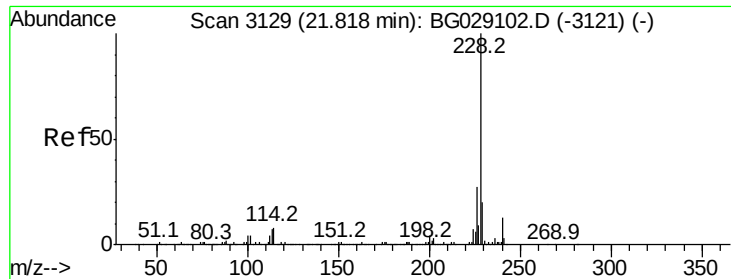
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	9.9	14.9#
100	6.3	7.4	11.0#



#19
 Pyrene
 Concen: 8.243 ng/ul
 RT: 19.96 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: BG029103.D
 Acq: 9 Oct 2017 12:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	11.0	16.4#
100	9.0	8.1	12.1

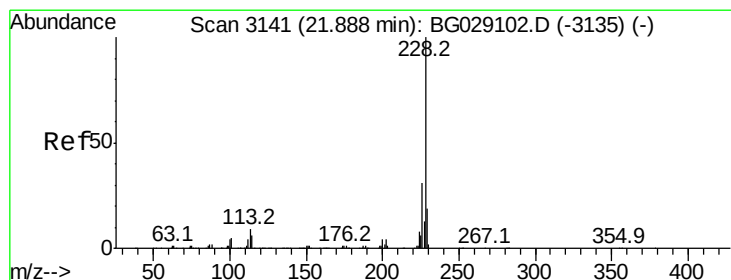
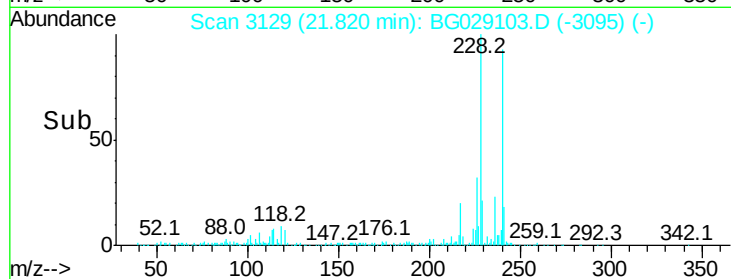
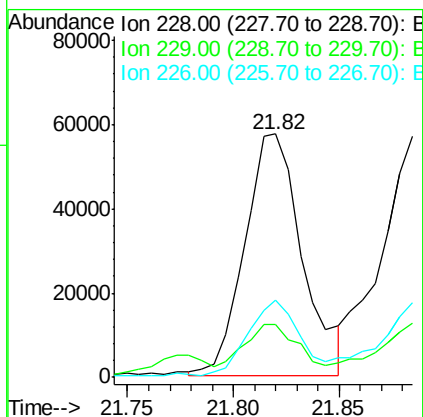
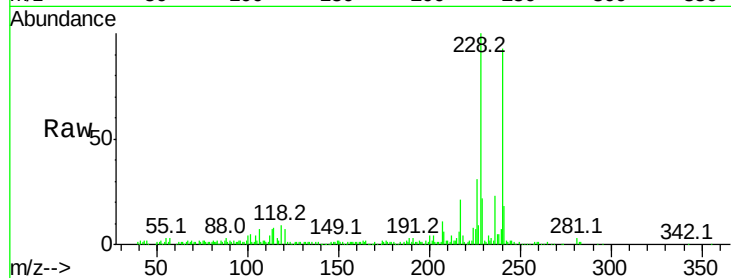




#20
Benzo(a)anthracene
Concen: 5.291 ng/ul
RT: 21.82 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BG029103.D
Acq: 9 Oct 2017 12:00

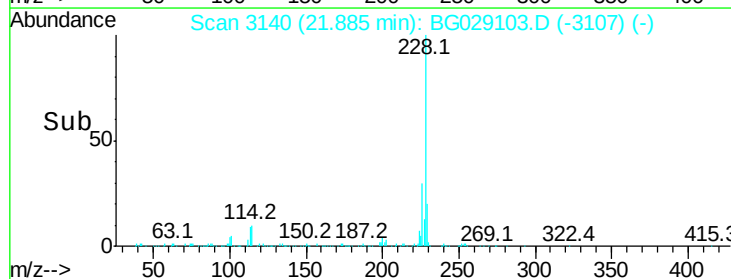
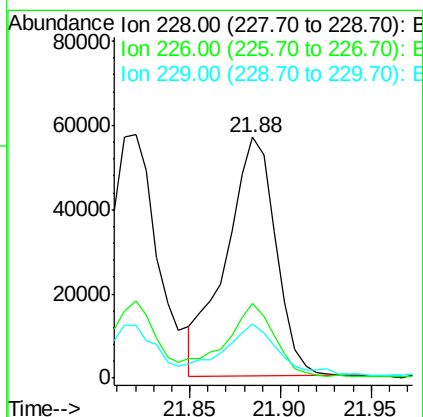
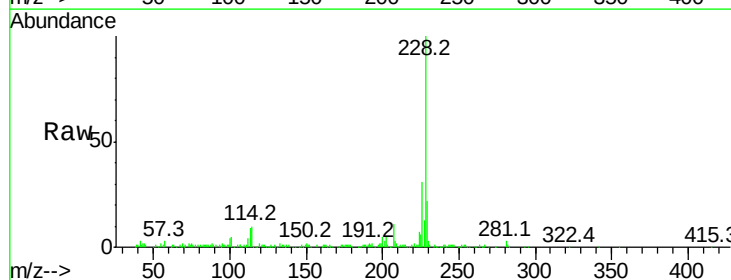
Instrument :
BNA_G
ClientSampleId :
DAH80

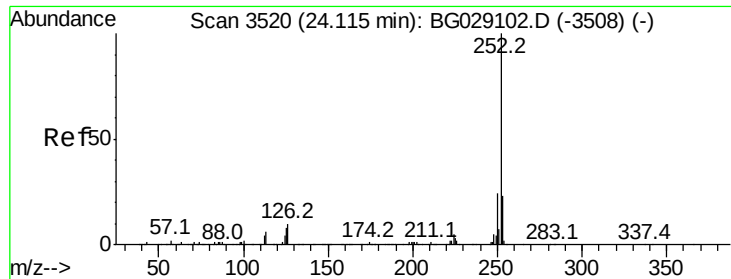
Tot Ion:228 Resp: 108401
Ion Ratio Lower Upper
228 100
229 22.0 15.7 23.5
226 31.5 21.1 31.7



#21
Chrysene
Concen: 5.774 ng/ul
RT: 21.88 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG029103.D
Acq: 9 Oct 2017 12:00

Tgt Ion:228 Resp: 108327
Ion Ratio Lower Upper
228 100
226 30.7 24.5 36.7
229 22.4 15.8 23.8

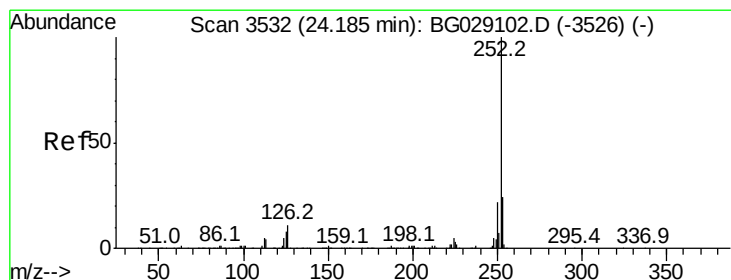
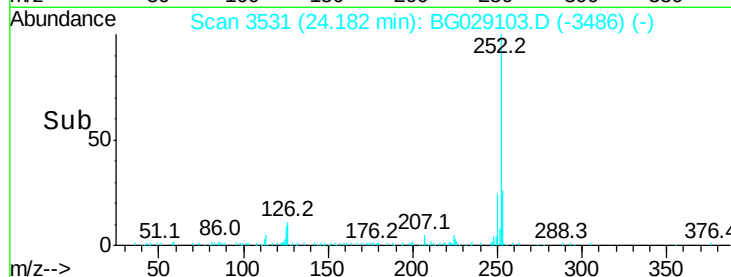
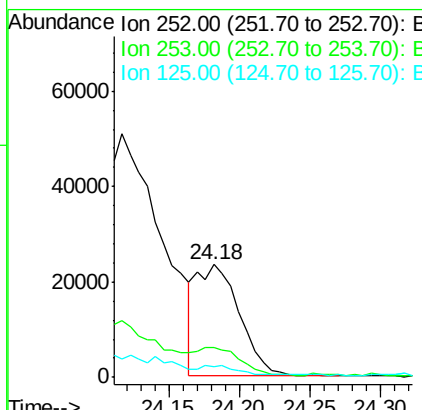
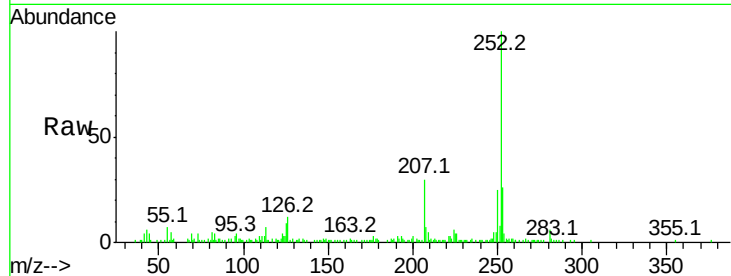




#23
Benzo(b)fluoranthene
Concen: 2.344 ng/ul
RT: 24.18 min Scan# 3531
Delta R.T. 0.07 min
Lab File: BG029103.D
Acq: 9 Oct 2017 12:00

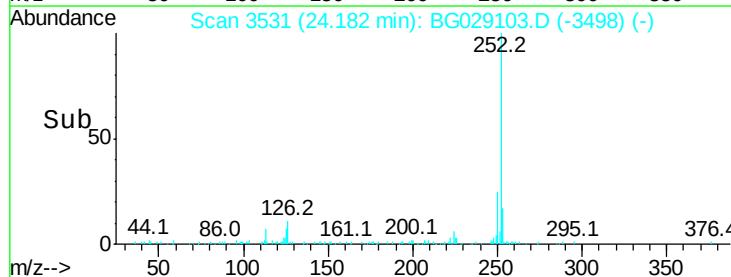
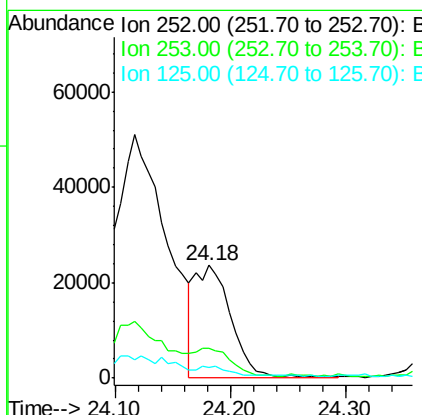
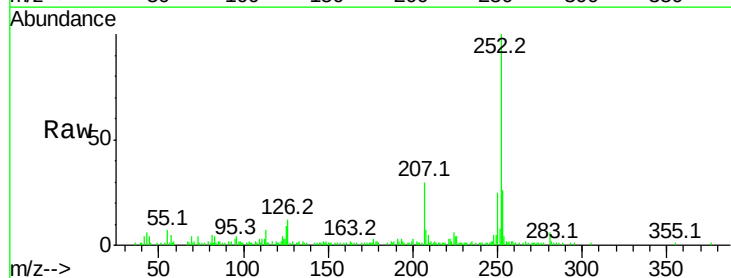
Instrument :
BNA_G
ClientSampleId :
DAH80

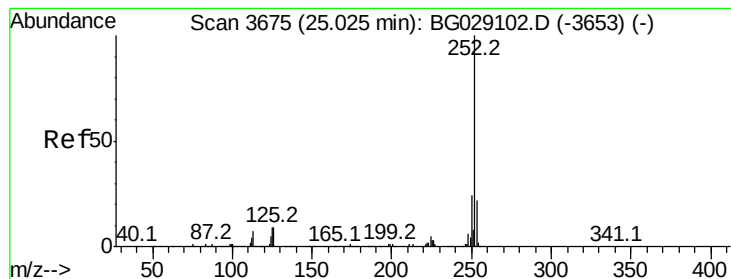
Tot Ion:252 Resp: 49076
Ion Ratio Lower Upper
252 100
253 26.2 18.0 27.0
125 9.3 8.0 12.0



#24
Benzo(k)fluoranthene
Concen: 2.447 ng/ul
RT: 24.18 min Scan# 3531
Delta R.T. -0.00 min
Lab File: BG029103.D
Acq: 9 Oct 2017 12:00

Tgt Ion:252 Resp: 49994
Ion Ratio Lower Upper
252 100
253 26.2 18.0 27.0
125 9.3 8.1 12.1





#26

Benzo(a)pyrene

Concen: 4.734 ng/ul

RT: 25.02 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

Instrument :

BNA_G

ClientSampleId :

DAH80

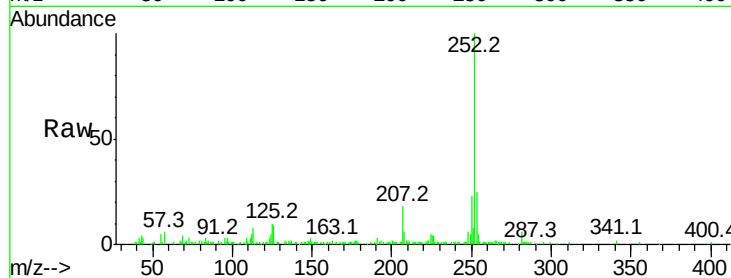
Tot Ion:252 Resp: 96261

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

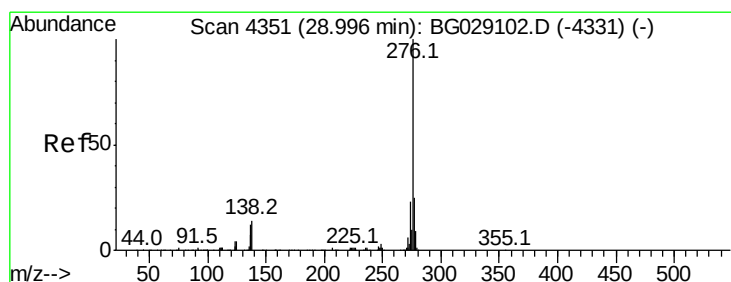
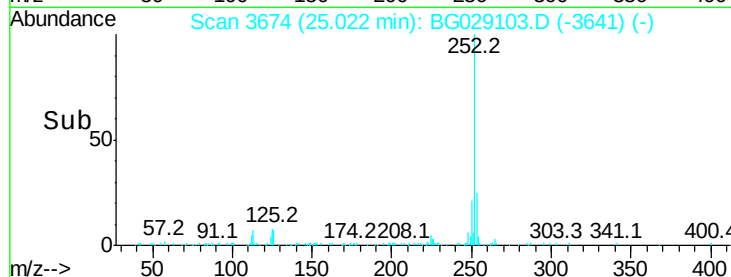
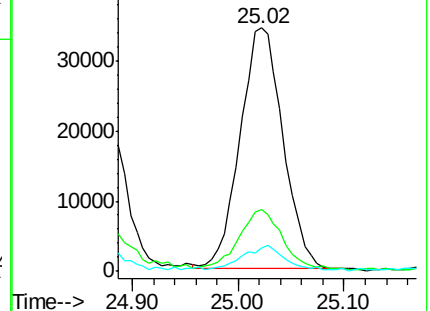
125 9.6 8.2 12.4



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: 3.436 ng/ul

RT: 29.00 min Scan# 4351

Delta R.T. 0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

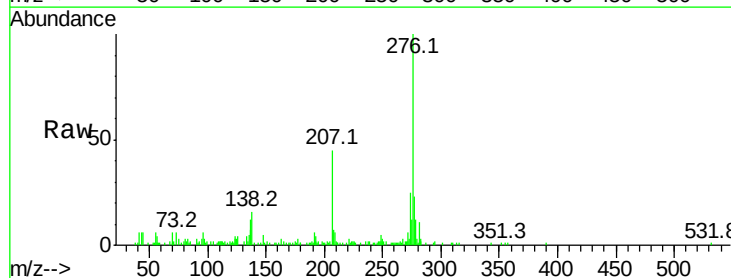
Tgt Ion:276 Resp: 79290

Ion Ratio Lower Upper

276 100

138 16.1 14.4 21.6

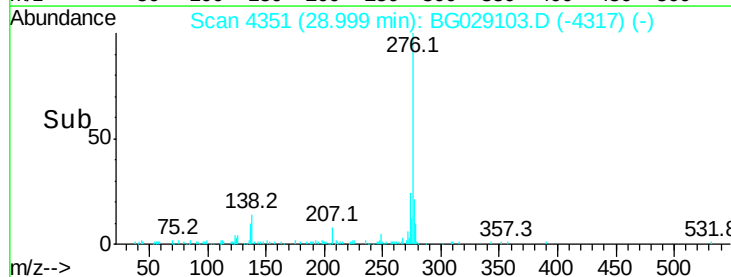
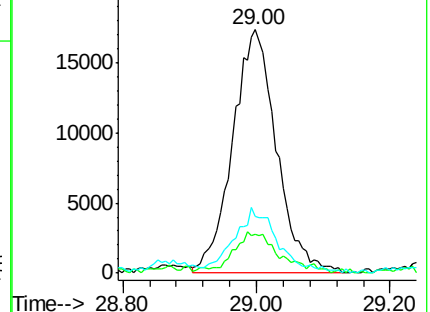
277 23.2 18.0 27.0

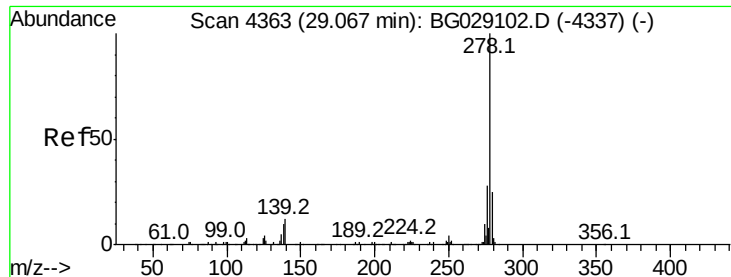


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 1.197 ng/ul

RT: 29.05 min Scan# 4359

Delta R.T. -0.02 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

Instrument :

BNA_G

ClientSampleId :

DAH80

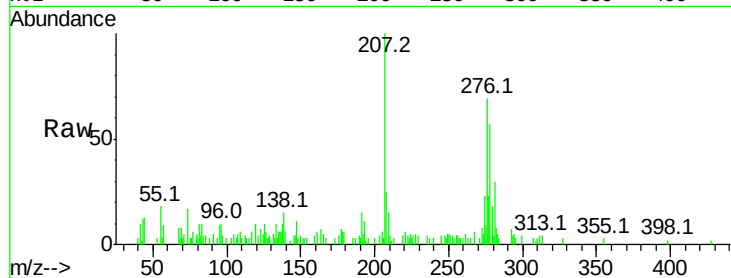
Tot Ion:278 Resp: 22868

Ion Ratio Lower Upper

278 100

139 10.4 12.2 18.4#

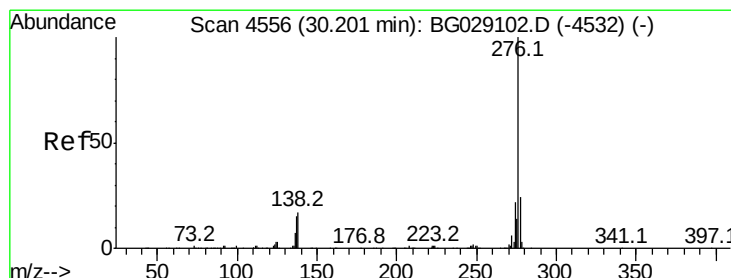
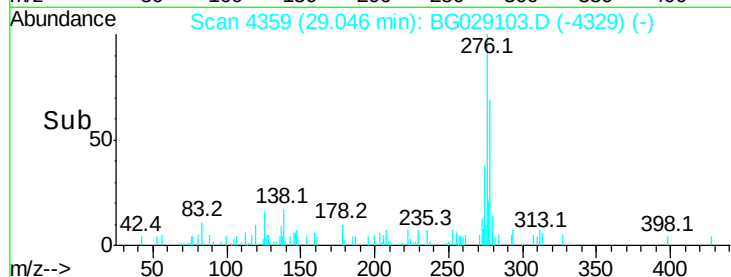
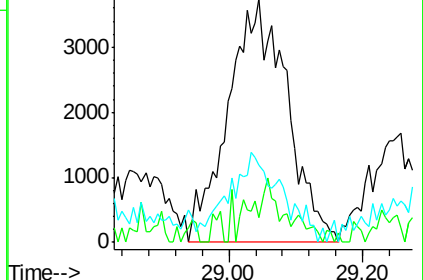
279 31.6 19.2 28.8#



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: 3.505 ng/ul

RT: 30.20 min Scan# 4555

Delta R.T. -0.00 min

Lab File: BG029103.D

Acq: 9 Oct 2017 12:00

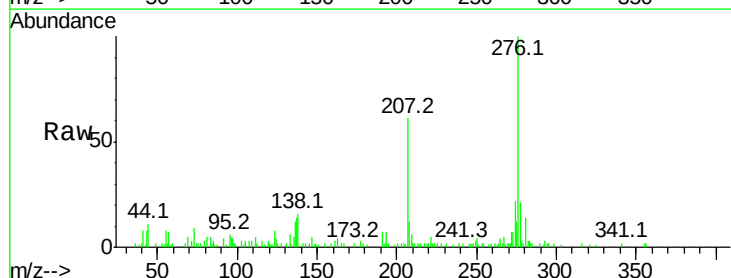
Tgt Ion:276 Resp: 66709

Ion Ratio Lower Upper

276 100

138 16.0 15.3 22.9

277 20.7 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

