

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051817\
 Data File : BG027028.D
 Acq On : 19 May 2017 7:08
 Operator : SJ/MA
 Sample : I3136-07MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC16MSD

Quant Time: May 19 07:59:08 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 04:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	213322	20.00	ng/ul	0.00
2) Naphthalene-d8	10.80	136	988789	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.61	164	519239	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.35	188	966661	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	862919	20.00	ng/ul	0.00
22) Perylene-d12	24.76	264	873406	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.31	160	906747	17.02	ng/ul	0.00
10) Fluorene-d10	15.60	176	584247	16.44	ng/ul	0.00
14) Anthracene-d10	17.45	188	797031	16.91	ng/ul	0.00
18) Pyrene-d10	19.73	212	761975	16.91	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.54	264	714295	16.46	ng/ul	0.00

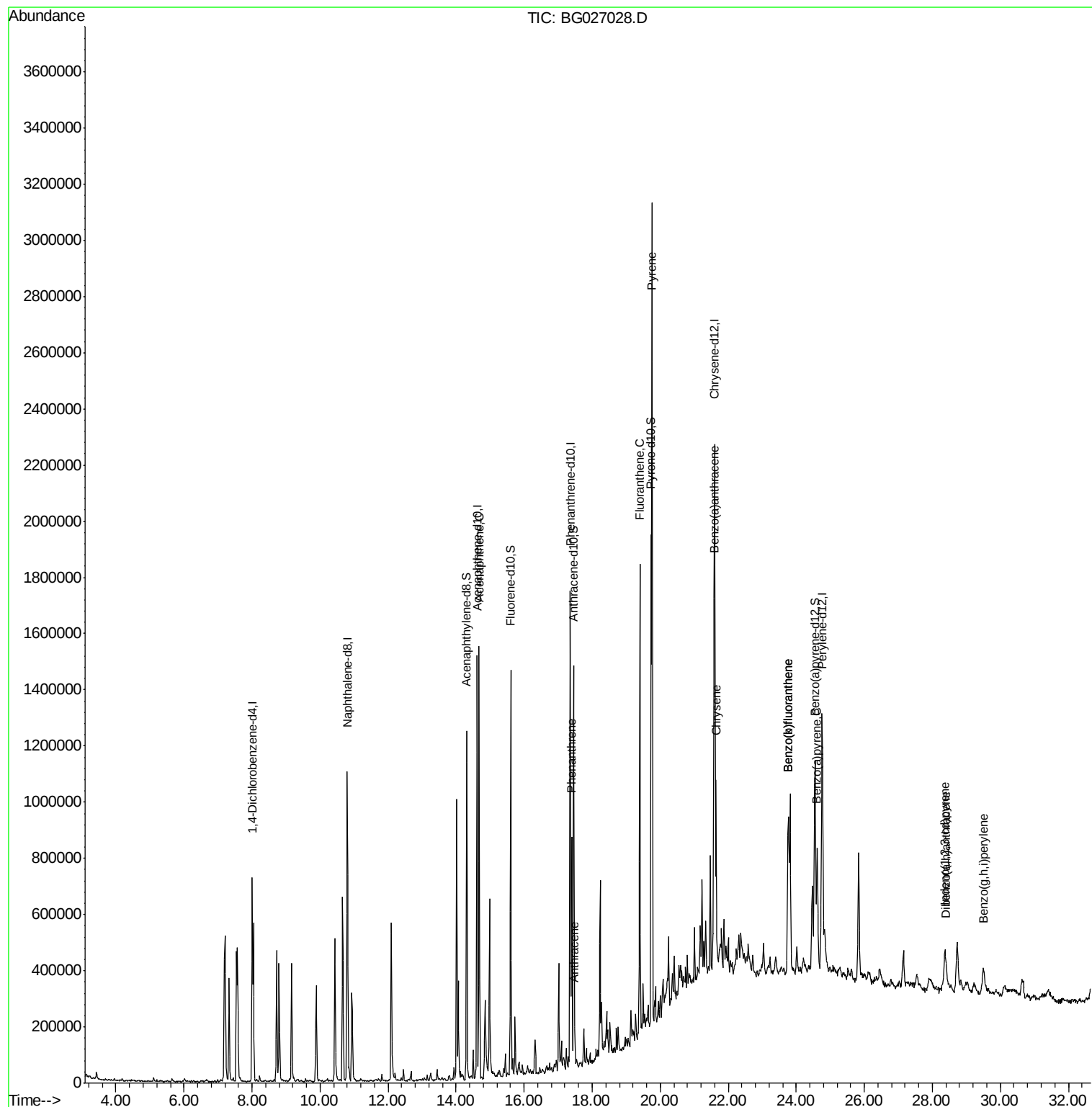
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Acenaphthene	14.68	153	645632	17.62	ng/ul	97
13) Phenanthrene	17.39	178	485804	8.99	ng/ul	99
15) Anthracene	17.49	178	88355	1.59	ng/ul	97
16) Fluoranthene	19.40	202	888322	16.08	ng/ul#	91
19) Pyrene	19.76	202	1639942	29.08	ng/ul#	84
20) Benzo(a)anthracene	21.58	228	416643	8.01	ng/ul	96
21) Chrysene	21.64	228	432955	9.07	ng/ul	98
23) Benzo(b)fluoranthene	23.76	252	614650	11.84	ng/ul#	94
24) Benzo(k)fluoranthene	23.76	252	614650	11.51	ng/ul#	94
26) Benzo(a)pyrene	24.61	252	392915	7.74	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	28.36	276	97799	2.09	ng/ul#	83
28) Dibenzo(a,h)anthracene	28.41	278	55541	1.38	ng/ul#	80
29) Benzo(g,h,i)perylene	29.50	276	181803	4.89	ng/ul#	86

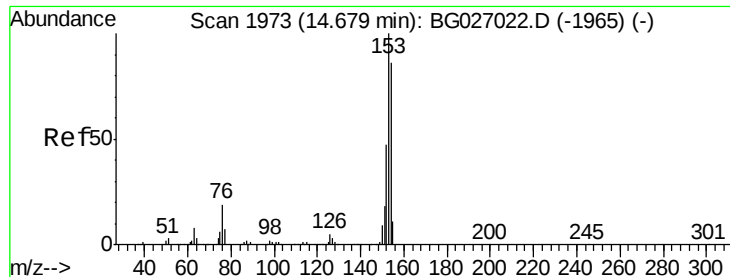
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 17.62 ng/u1

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Instrument :

BNA_G

ClientSampleId :

DAC16MSD

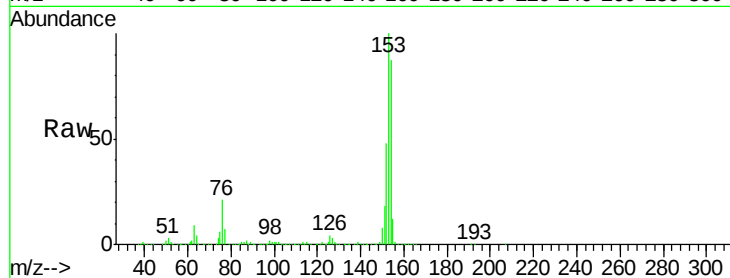
Tgt Ion:153 Resp: 645632

Ion Ratio Lower Upper

153 100

152 48.2 39.0 58.6

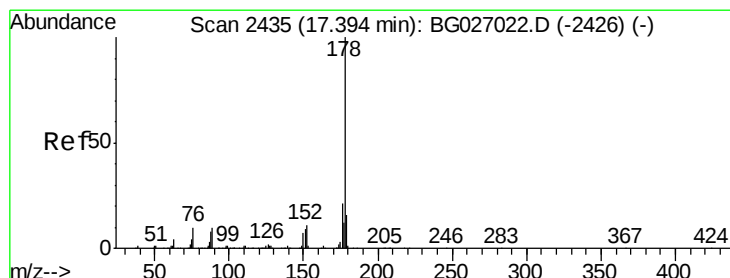
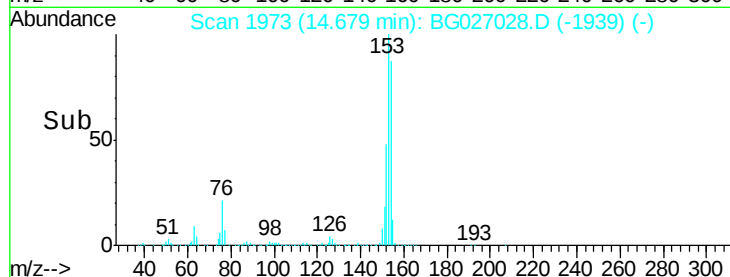
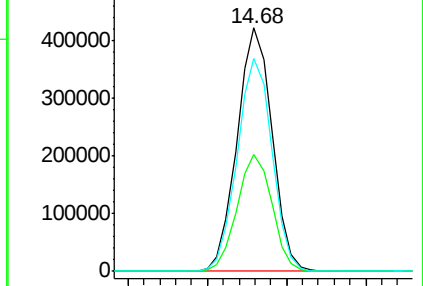
154 87.2 66.8 100.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#13

Phenanthrene

Concen: 8.99 ng/u1

RT: 17.39 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

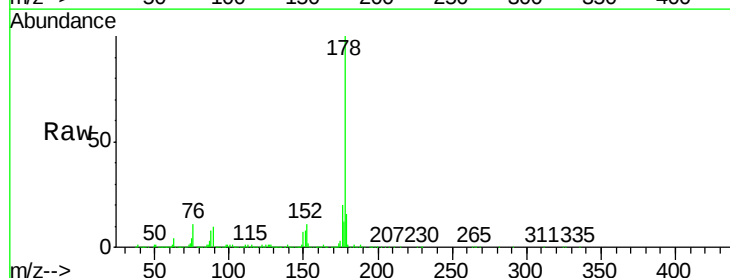
Tgt Ion:178 Resp: 485804

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

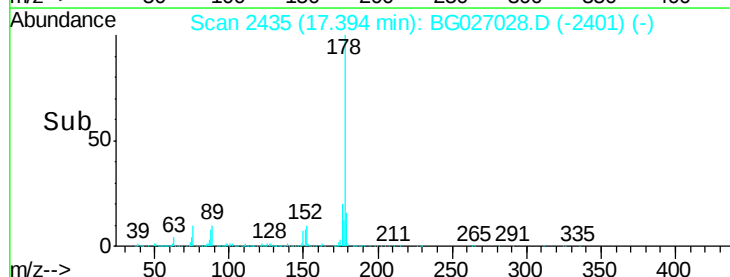
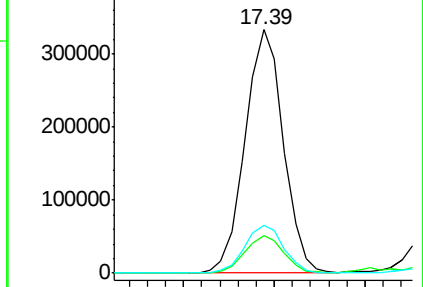
176 19.8 15.1 22.7

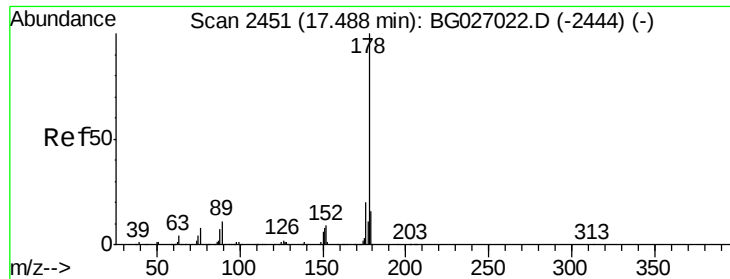


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.59 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Instrument :

BNA_G

ClientSampleId :

DAC16MSD

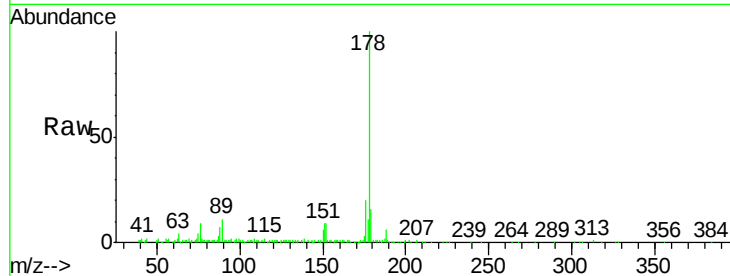
Tgt Ion:178 Resp: 88355

Ion Ratio Lower Upper

178 100

179 16.4 11.8 17.8

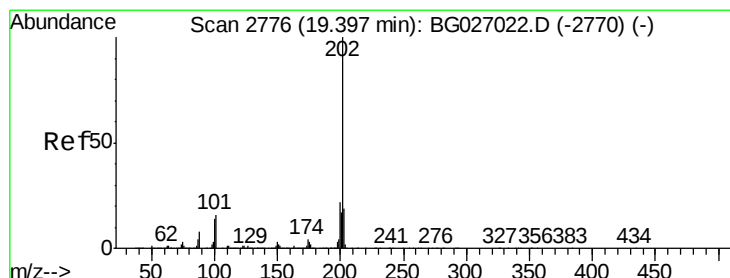
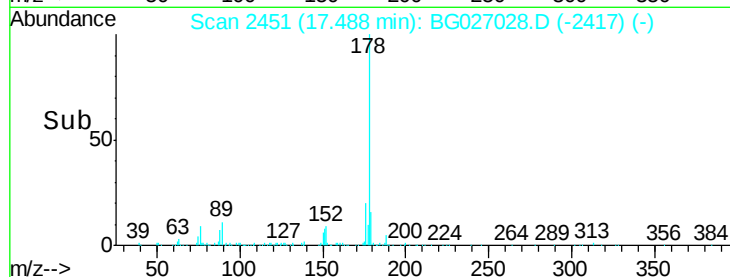
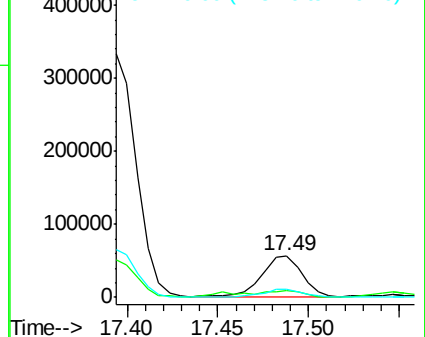
176 20.4 15.2 22.8



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: 16.08 ng/ul

RT: 19.40 min Scan# 2776

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

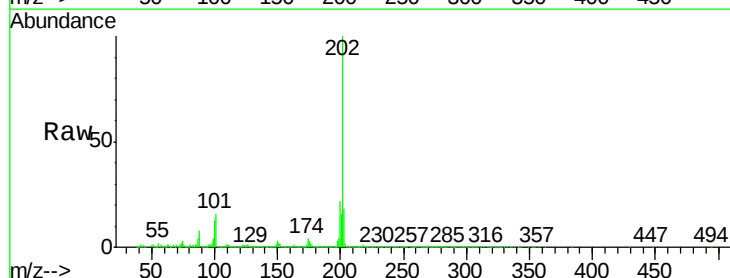
Tgt Ion:202 Resp: 888322

Ion Ratio Lower Upper

202 100

101 15.8 9.9 14.9#

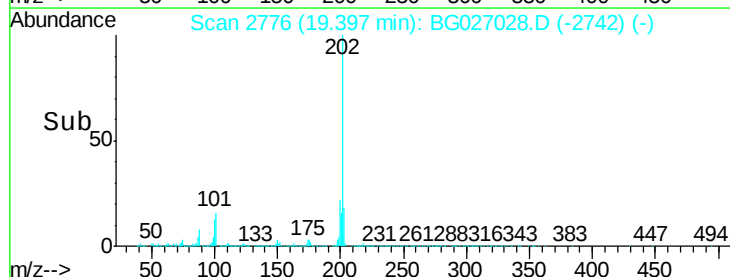
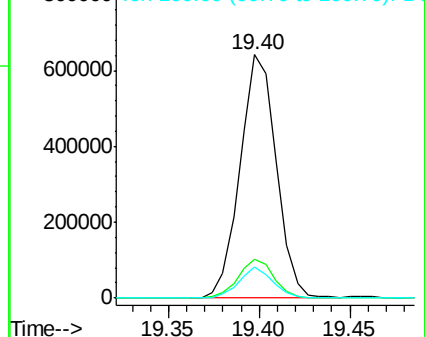
100 13.0 7.4 11.0#

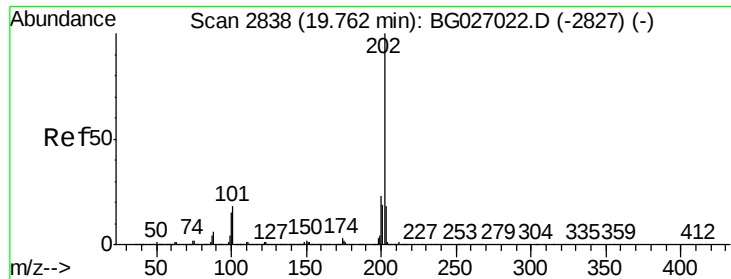


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 29.08 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Instrument :

BNA_G

ClientSampleId :

DAC16MSD

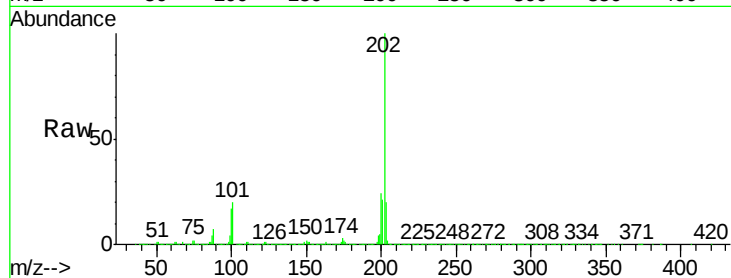
Tgt Ion:202 Resp: 1639942

Ion Ratio Lower Upper

202 100

101 19.9 11.0 16.4#

100 16.8 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): E

19.76

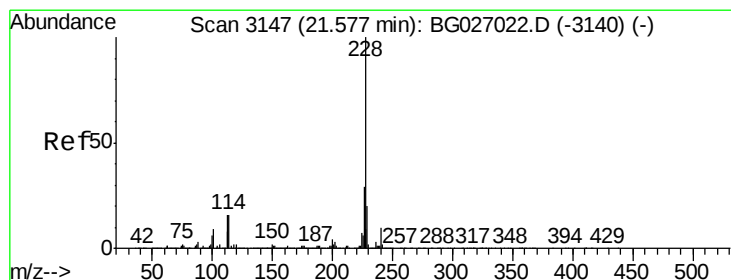
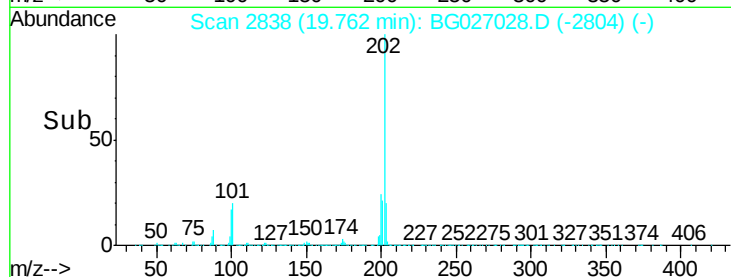
1000000

500000

0

Time-->

19.70 19.80



#20

Benzo(a)anthracene

Concen: 8.01 ng/ul

RT: 21.58 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

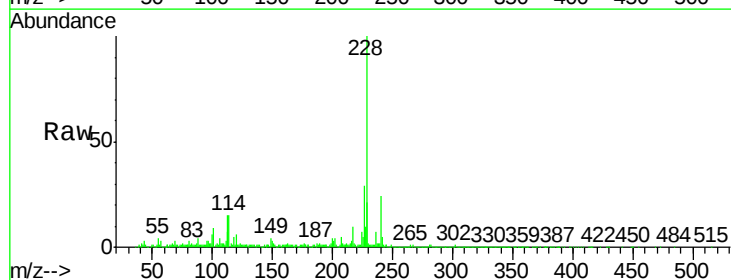
Tgt Ion:228 Resp: 416643

Ion Ratio Lower Upper

228 100

229 20.8 15.7 23.5

226 28.8 21.1 31.7



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

21.58

300000

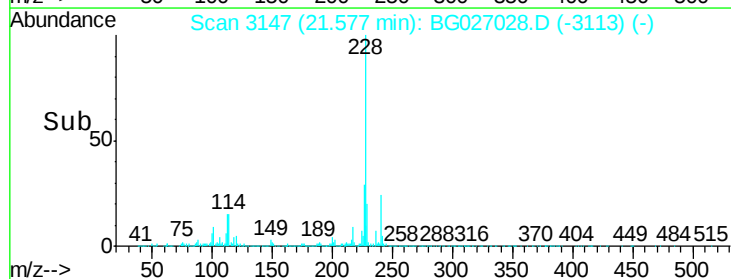
200000

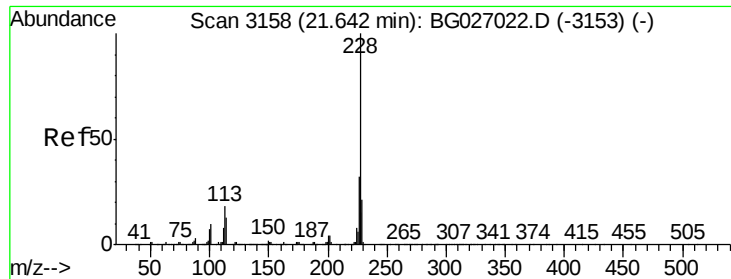
100000

0

Time-->

21.55 21.60





#21

Chrysene

Concen: 9.07 ng/ul

RT: 21.64 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Instrument :

BNA_G

ClientSampleId :

DAC16MSD

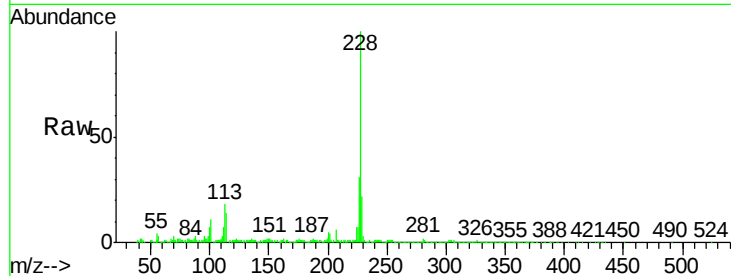
Tgt Ion:228 Resp: 432955

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

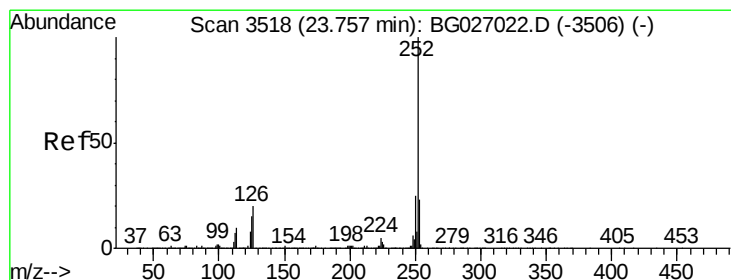
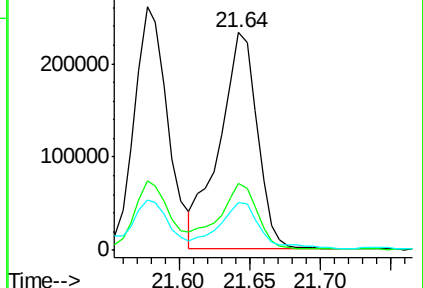
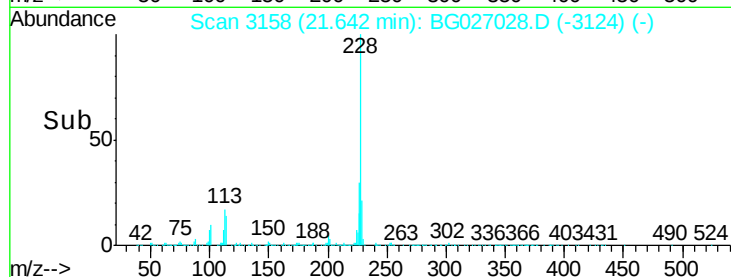
229 22.0 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 11.84 ng/ul

RT: 23.76 min Scan# 3519

Delta R.T. 0.01 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

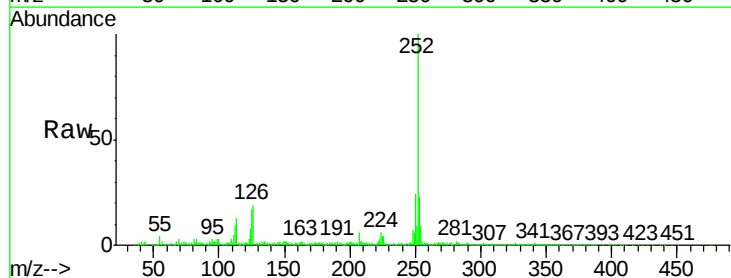
Tgt Ion:252 Resp: 614650

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

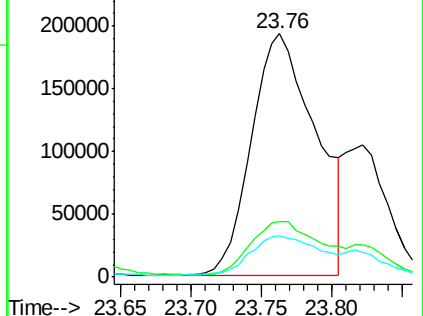
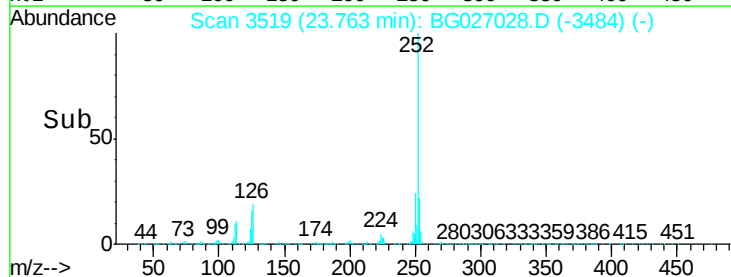
125 17.1 8.0 12.0#

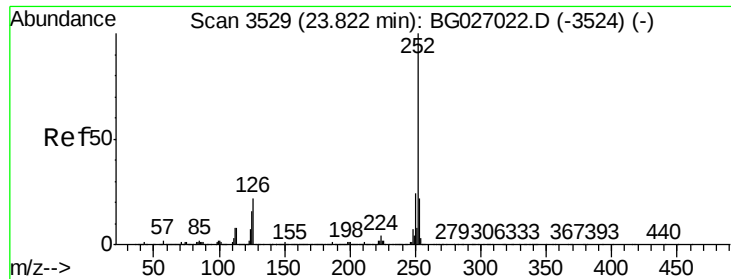


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 11.51 ng/ul

RT: 23.76 min Scan# 3519

Delta R.T. -0.06 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Instrument :

BNA_G

ClientSampleId :

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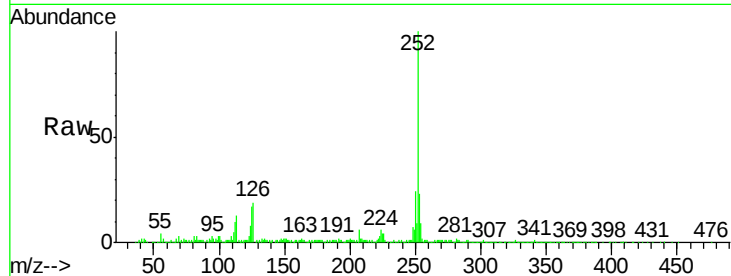
Tgt Ion:252 Resp: 614650

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

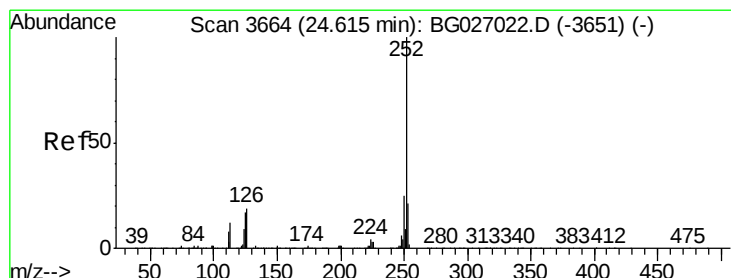
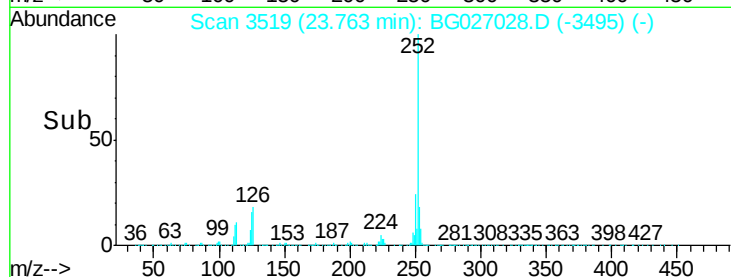
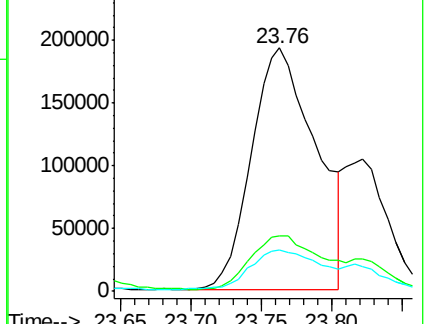
125 17.1 8.1 12.1#



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: 7.74 ng/ul

RT: 24.61 min Scan# 3664

Delta R.T. 0.00 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

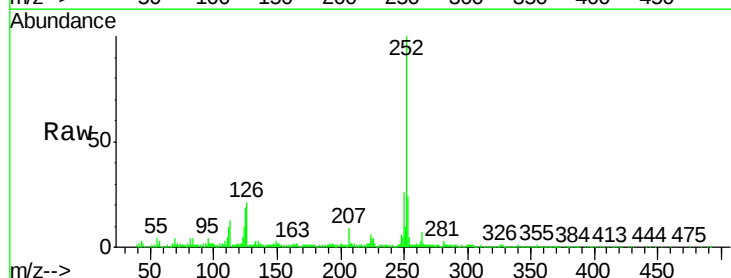
Tgt Ion:252 Resp: 392915

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

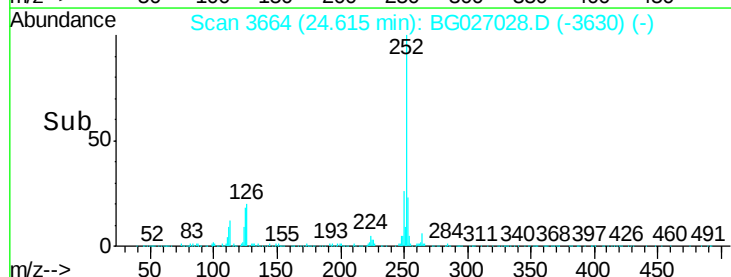
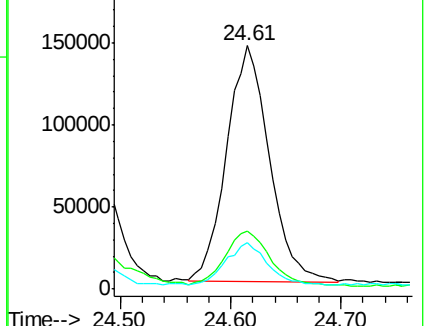
125 19.0 8.2 12.4#

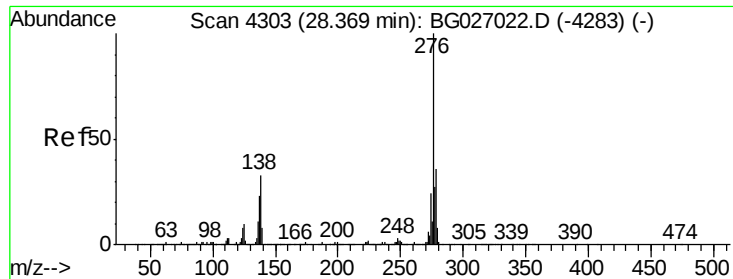


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.09 ng/ul

RT: 28.36 min Scan# 4302

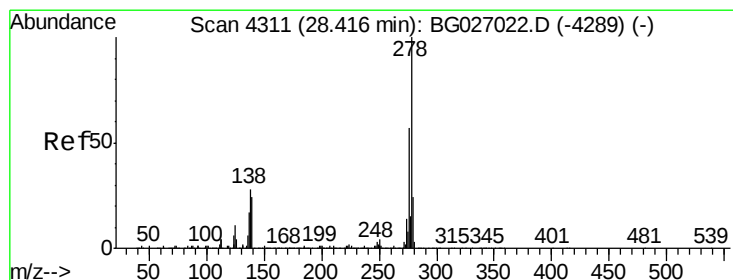
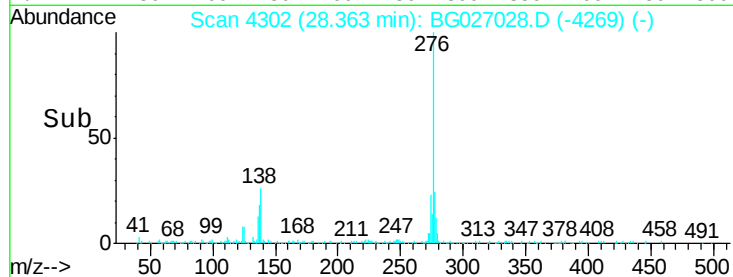
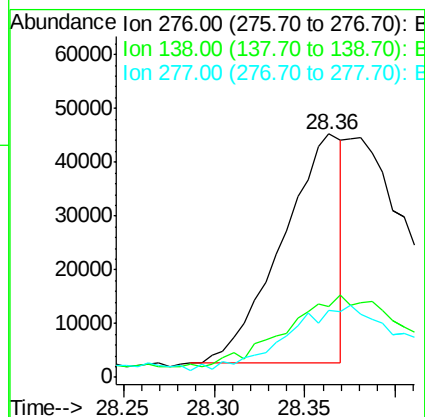
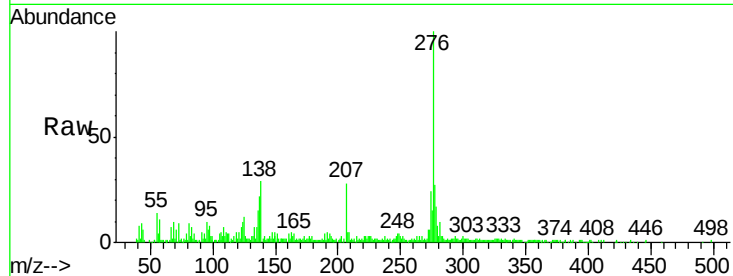
Delta R.T. -0.01 min

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Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.1	14.4	21.6#
277	27.3	18.0	27.0#



#28

Dibenzo(a,h)anthracene

Concen: 1.38 ng/ul

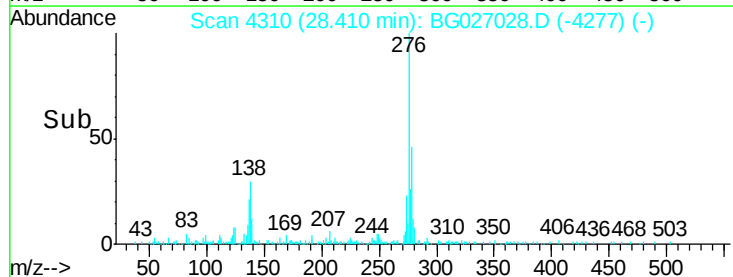
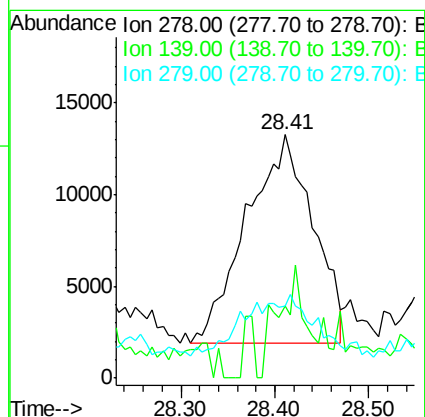
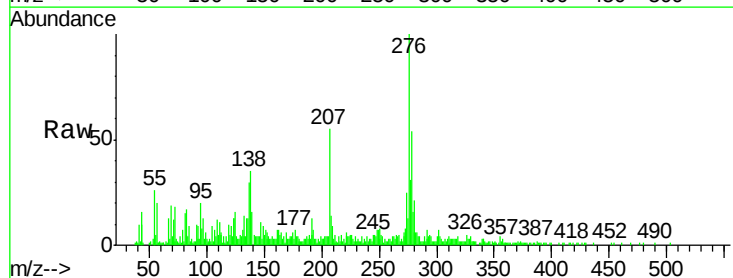
RT: 28.41 min Scan# 4310

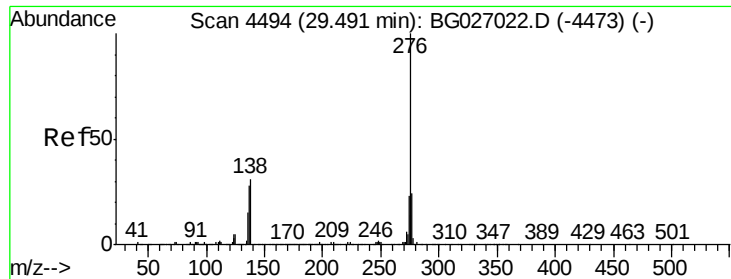
Delta R.T. -0.01 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.5	12.2	18.4#
279	29.8	19.2	28.8#





#29

Benzo(g,h,i)perylene

Concen: 4.89 ng/ul

RT: 29.50 min Scan# 4496

Delta R.T. 0.01 min

Lab File: BG027028.D

Acq: 19 May 2017 7:08

Instrument :

BNA_G

ClientSampleId :

DAC16MSD

Tgt Ion: 276 Resp: 181803

Ion Ratio Lower Upper

276 100

138 32.8 15.3 22.9#

277 24.2 19.0 28.4

