

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052617\
 Data File : BG027154.D
 Acq On : 25 May 2017 7:56
 Operator : SJ/MA
 Sample : I3277-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 25 08:37:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 06:05:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	204583	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	937685	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.63	164	473932	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.37	188	858912	20.00	ng/ul	0.00
17) Chrysene-d12	21.62	240	774656	20.00	ng/ul	0.01
22) Perylene-d12	24.80	264	614795	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.32	160	1076015	22.13	ng/ul	0.00
10) Fluorene-d10	15.61	176	672845	20.75	ng/ul	0.00
14) Anthracene-d10	17.37	188	858912	20.51	ng/ul	-0.09
18) Pyrene-d10	19.75	212	873754	21.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.59	264	693741	22.71	ng/ul	0.02

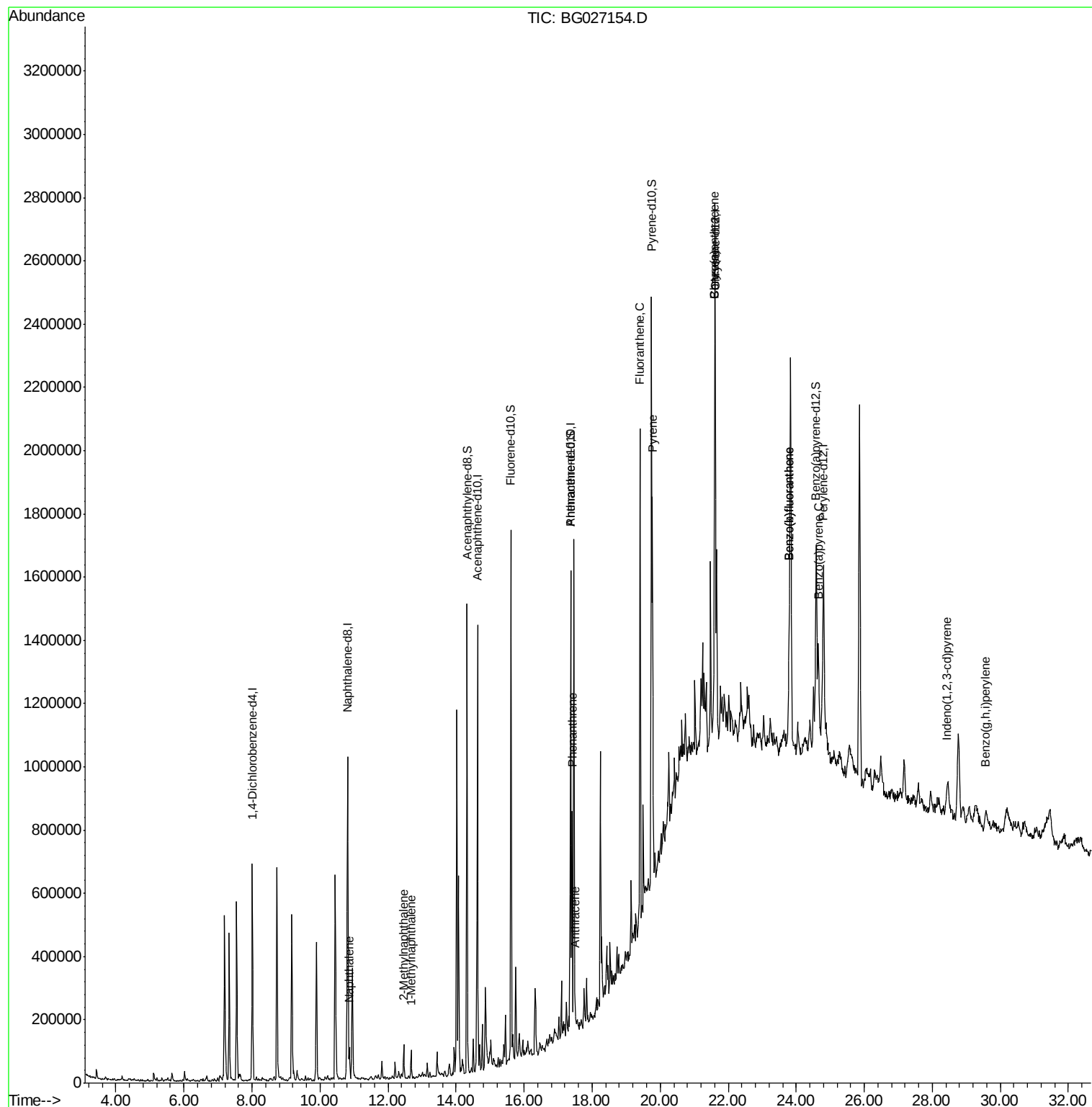
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.86	128	84733	1.74	ng/ul	97
4) 2-Methylnaphthalene	12.46	142	55354	1.54	ng/ul	95
5) 1-Methylnaphthalene	12.68	142	43502	1.12	ng/ul	93
13) Phenanthrene	17.41	178	428603	8.93	ng/ul	98
15) Anthracene	17.50	178	74089	1.50	ng/ul	98
16) Fluoranthene	19.41	202	801451	16.33	ng/ul#	90
19) Pyrene	19.77	202	697580	13.78	ng/ul#	87
20) Benzo(a)anthracene	21.60	228	395039	8.46	ng/ul	95
21) Chrysene	21.60	228	395039	9.22	ng/ul	96
23) Benzo(b)fluoranthene	23.79	252	475296	13.01	ng/ul#	88
24) Benzo(k)fluoranthene	23.79	252	475296	12.65	ng/ul#	88
26) Benzo(a)pyrene	24.65	252	278883	7.80	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	28.43	276	60946	1.85	ng/ul#	77
29) Benzo(a,h,i)perylene	29.56	276	37318	1.43	ng/ul#	82

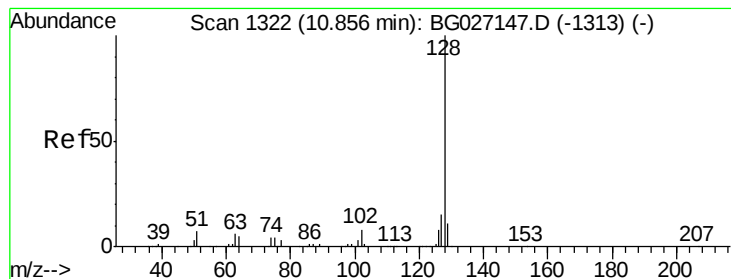
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.74 ng/ul

RT: 10.86 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

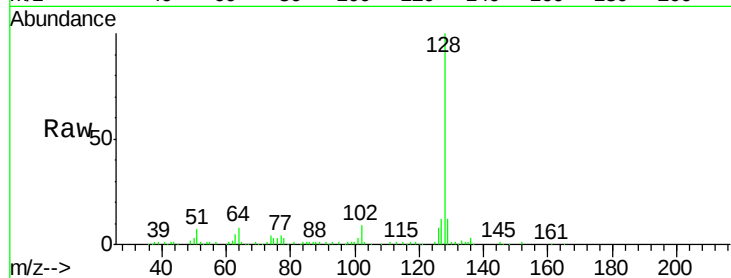
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 84733

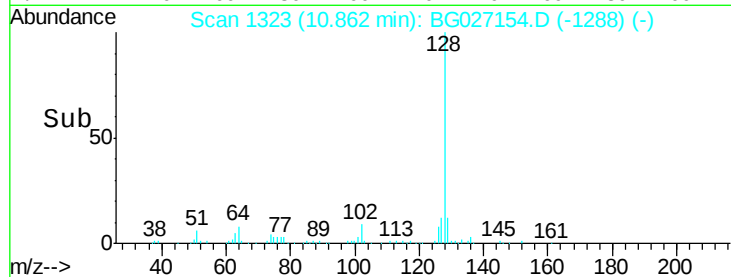
Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.7	13.1
127	12.4	10.6	16.0



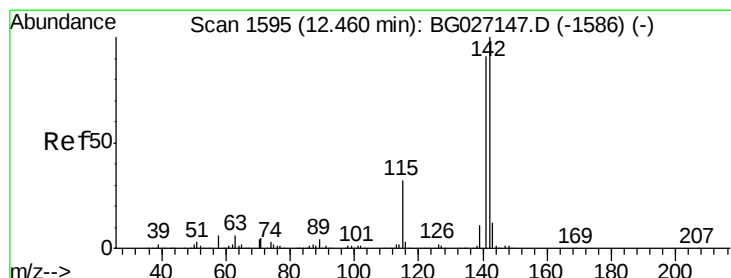
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#4

2-Methylnaphthalene

Concen: 1.54 ng/ul

RT: 12.46 min Scan# 1595

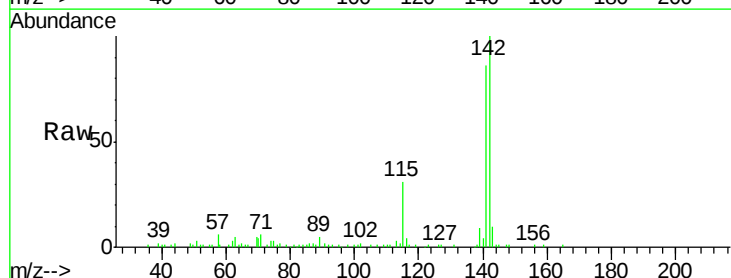
Delta R.T. 0.00 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

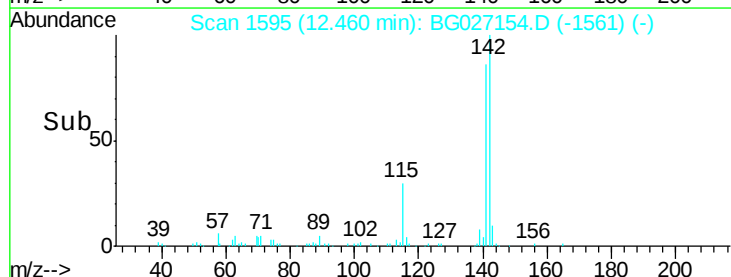
Tgt Ion:142 Resp: 55354

Ion	Ratio	Lower	Upper
142	100		
141	86.1	72.7	109.1

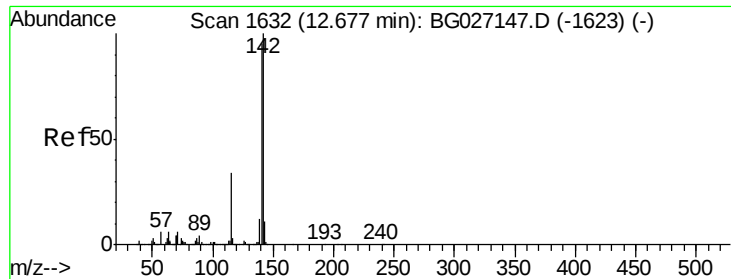


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#5

1-Methylnaphthalene

Concen: 1.12 ng/ul

RT: 12.68 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

Instrument :

BNA_G

ClientSampleId :

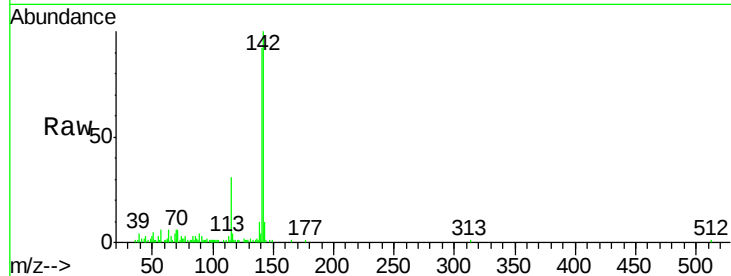
Tot Ion:142 Resp: 43502

Ion Ratio Lower Upper

142 100

141 91.6 79.3 118.9

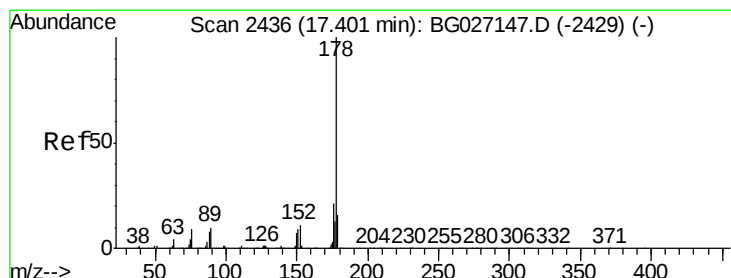
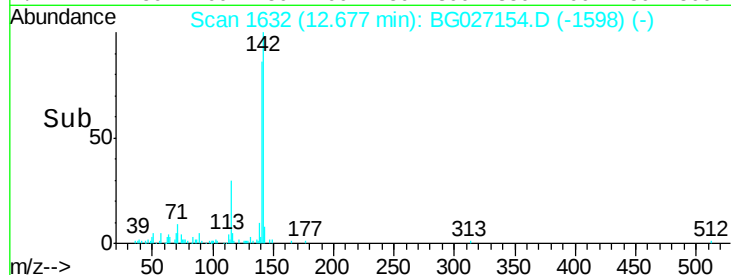
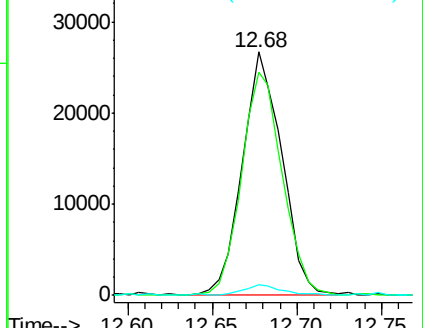
116 4.5 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 8.93 ng/ul

RT: 17.41 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

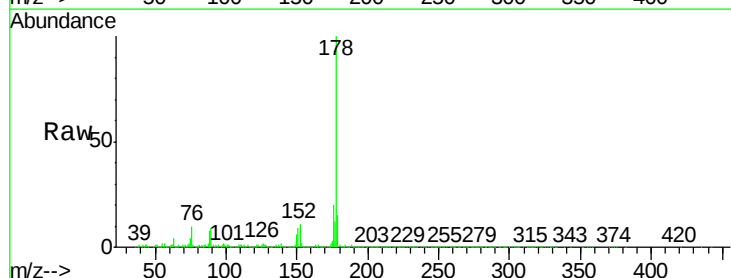
Tgt Ion:178 Resp: 428603

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

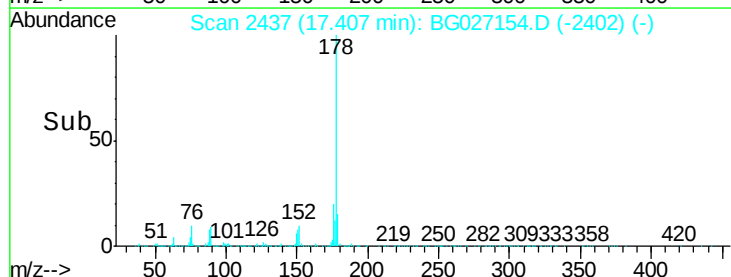
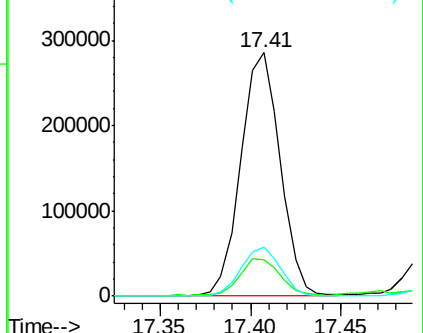
176 20.0 15.1 22.7

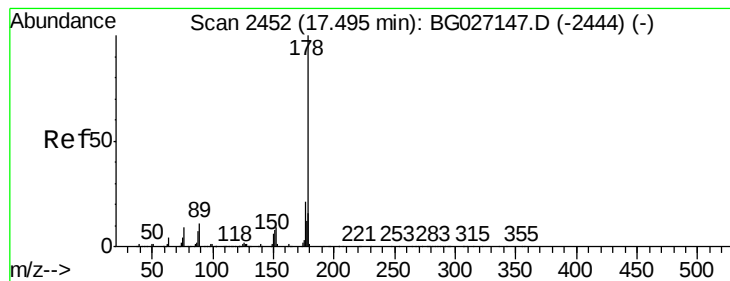


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.50 ng/ul

RT: 17.50 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

Instrument :

BNA_G

ClientSampleId :

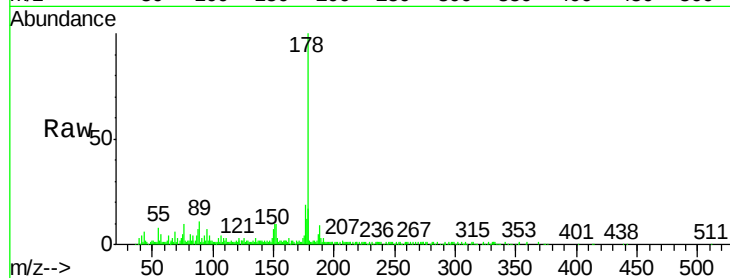
Tot Ion:178 Resp: 74089

Ion Ratio Lower Upper

178 100

179 16.6 11.8 17.8

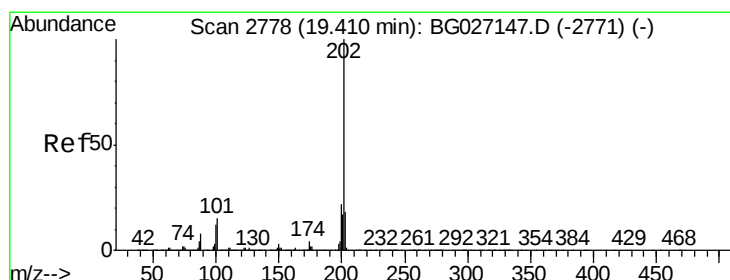
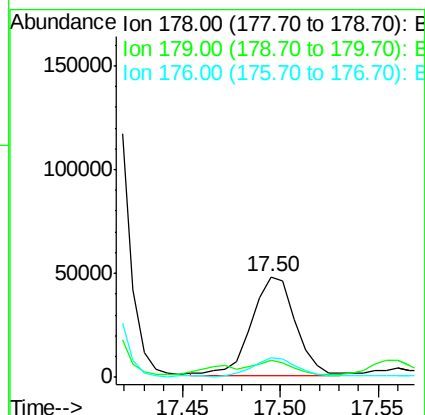
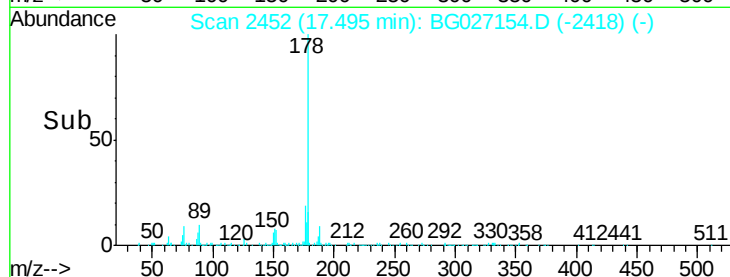
176 19.5 15.2 22.8



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: 16.33 ng/ul

RT: 19.41 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

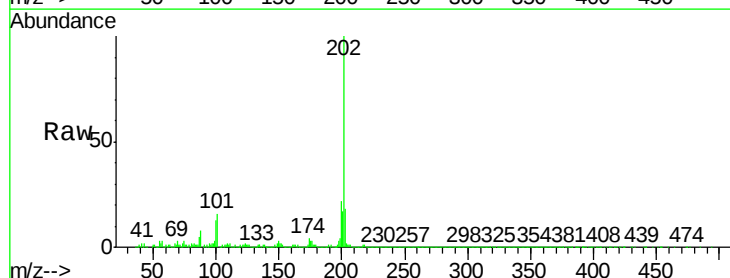
Tgt Ion:202 Resp: 801451

Ion Ratio Lower Upper

202 100

101 16.1 9.9 14.9#

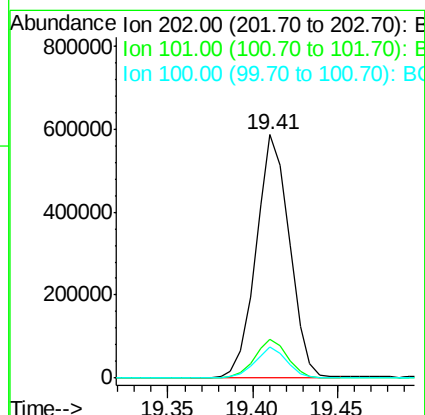
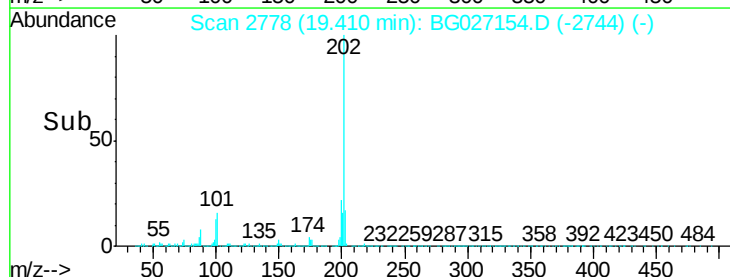
100 12.8 7.4 11.0#

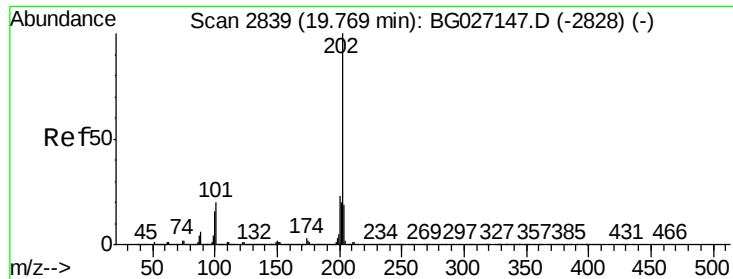


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#19

Pvrene

Concen: 13.78 ng/ul

RT: 19.77 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BG027154.D

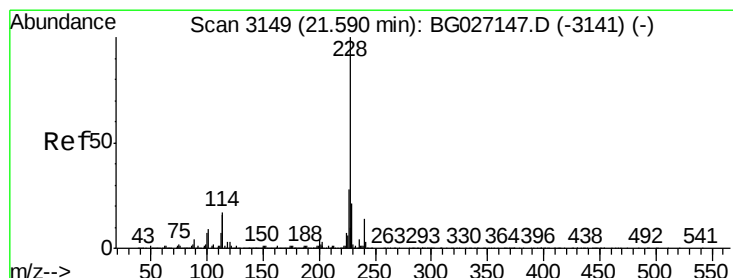
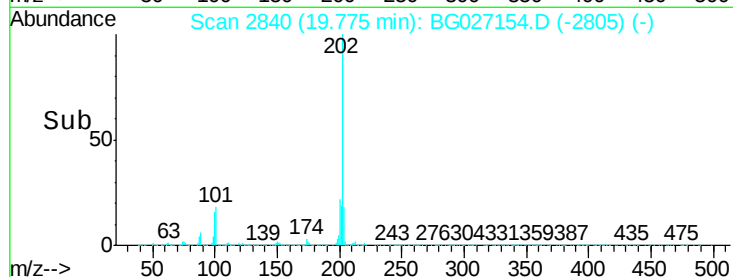
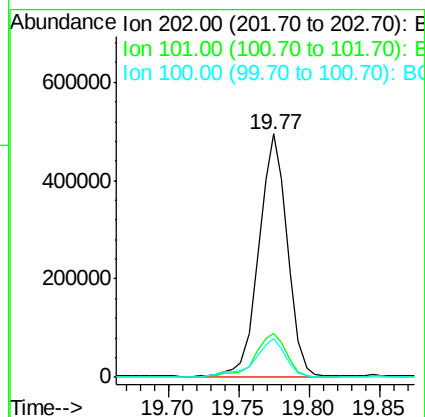
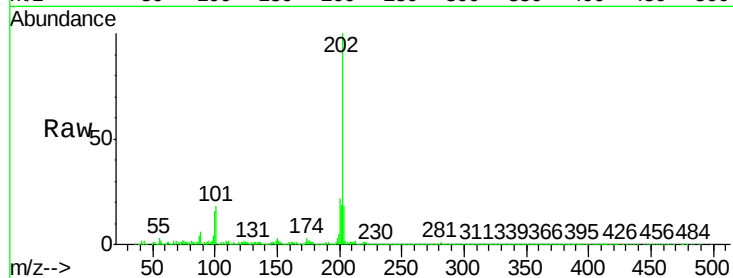
Acq: 25 May 2017 7:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	697580
Ion	Ratio	Lower	Upper
202	100		
101	18.1	11.0	16.4#
100	16.0	8.1	12.1#



#20

Benzo(a)anthracene

Concen: 8.46 ng/ul

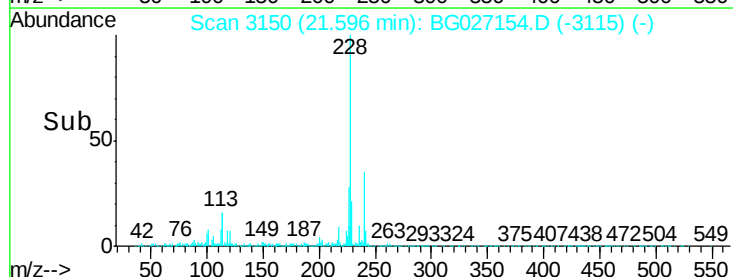
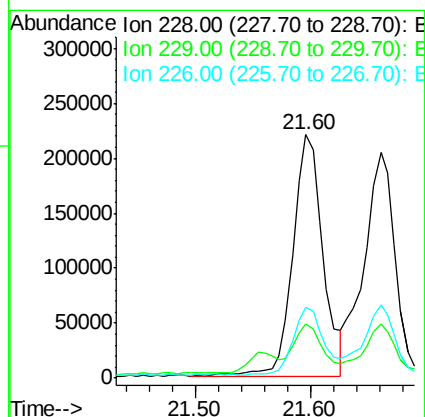
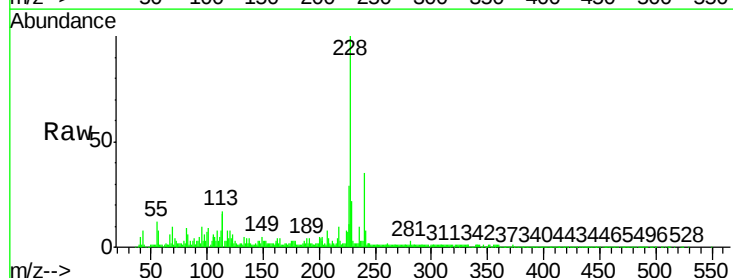
RT: 21.60 min Scan# 3150

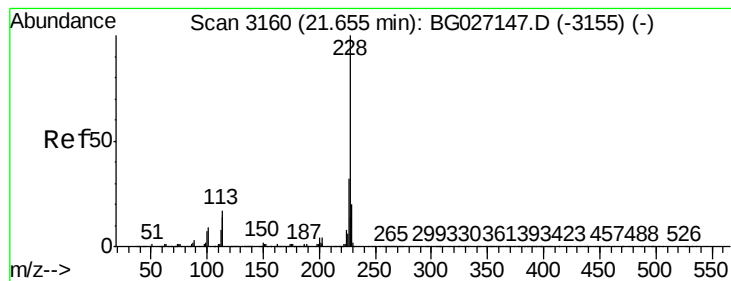
Delta R.T. 0.01 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

Tgt Ion:	228	Resp:	395039
Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.7	23.5
226	29.0	21.1	31.7





#21

Chrysene

Concen: 9.22 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.06 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

Instrument :

BNA_G

ClientSampled :

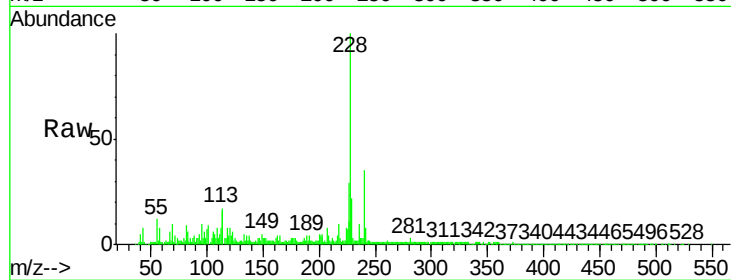
Tot Ion:228 Resp: 395039

Ion Ratio Lower Upper

228 100

226 29.0 24.5 36.7

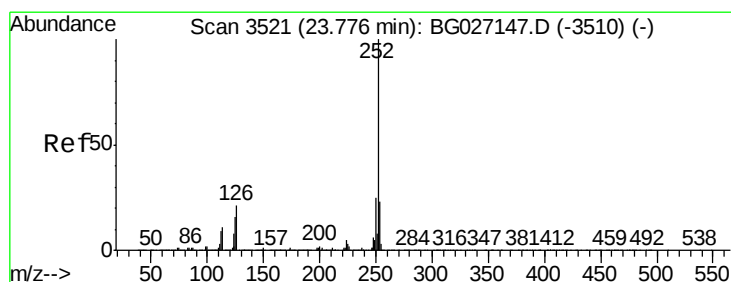
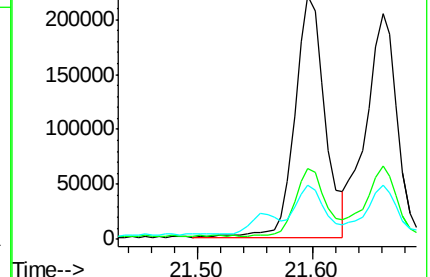
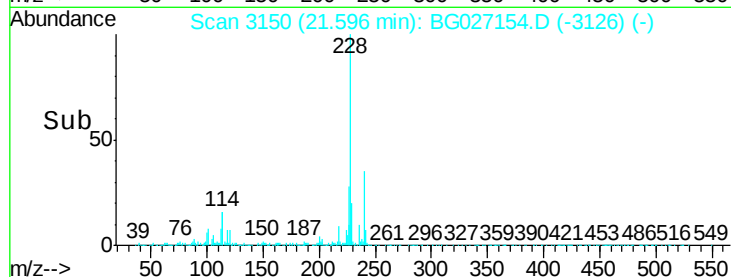
229 22.1 15.8 23.8



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: 13.01 ng/ul

RT: 23.79 min Scan# 3524

Delta R.T. 0.02 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

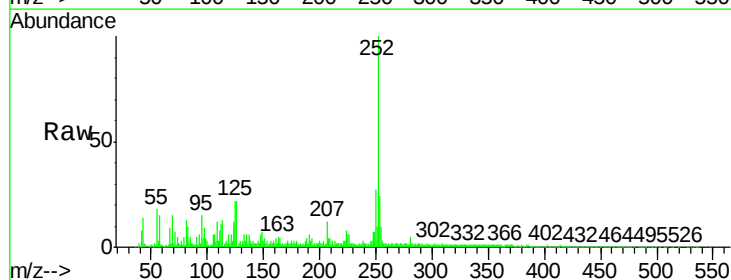
Tgt Ion:252 Resp: 475296

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

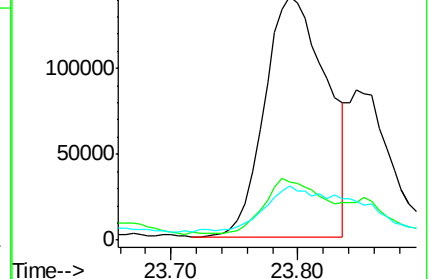
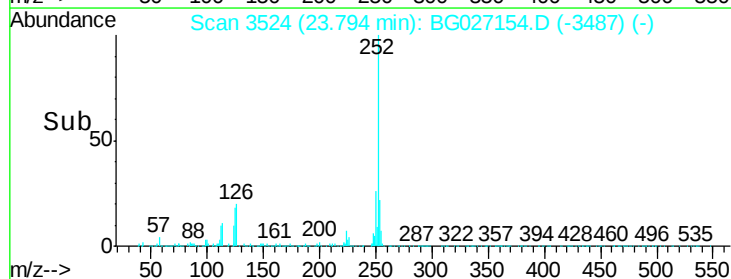
125 22.1 8.0 12.0#

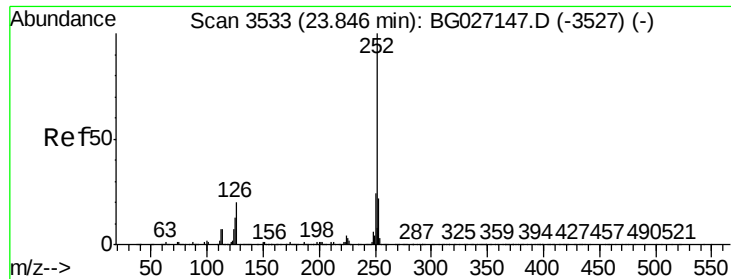


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

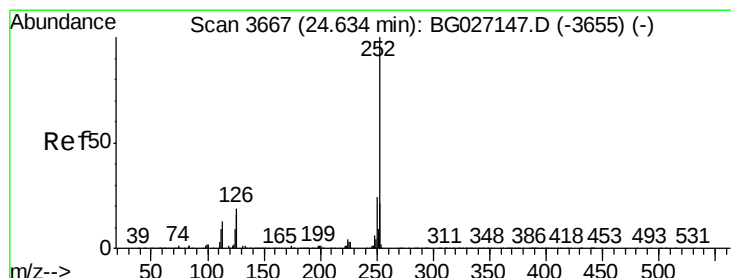
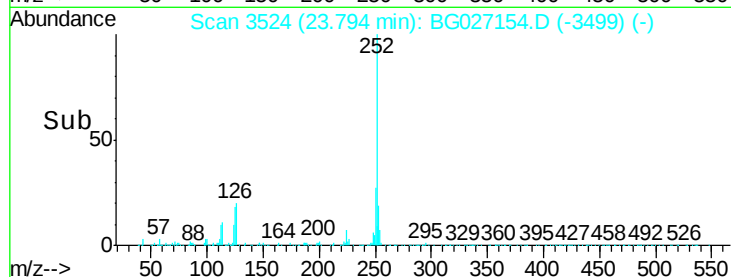
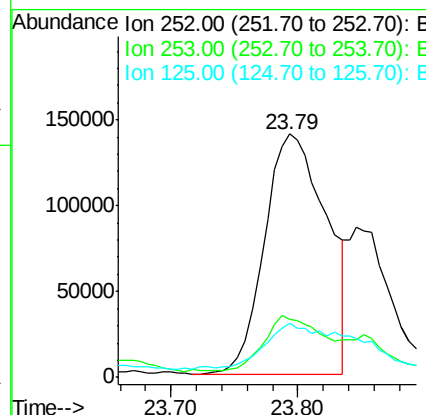
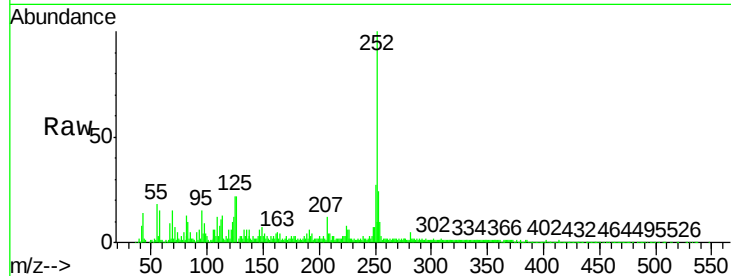




#24
Benzo(k)fluoranthene
Concen: 12.65 ng/ul
RT: 23.79 min Scan# 3524
Delta R.T. -0.05 min
Lab File: BG027154.D
Acq: 25 May 2017 7:56

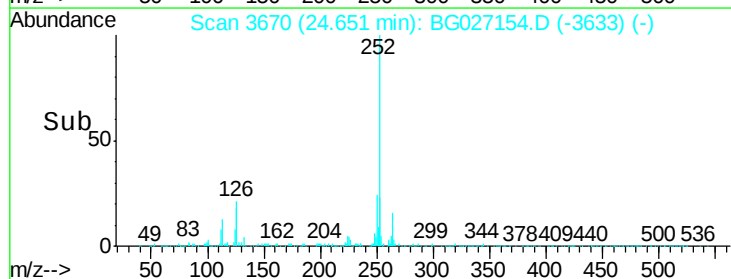
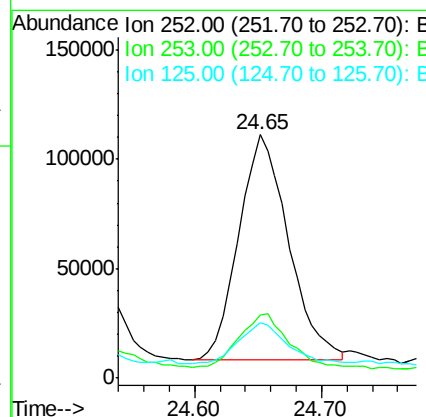
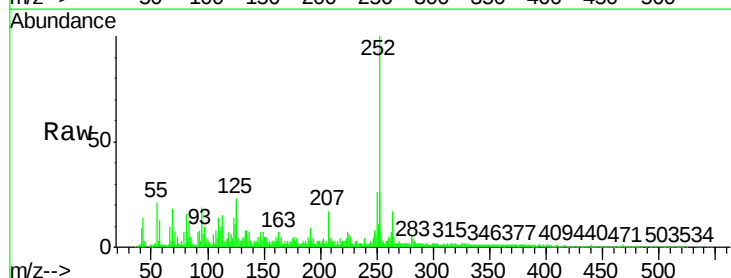
Instrument :
BNA_G
ClientSampleId :

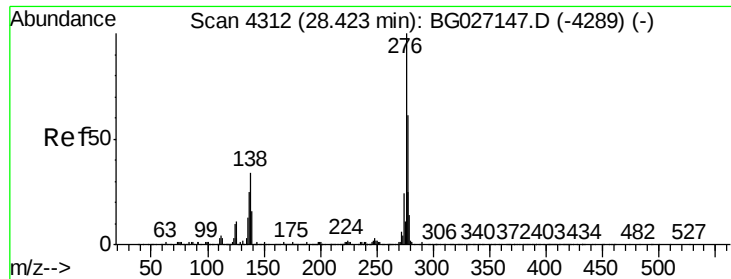
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	22.1	8.1	12.1



#26
Benzo(a)pyrene
Concen: 7.80 ng/ul
RT: 24.65 min Scan# 3670
Delta R.T. 0.02 min
Lab File: BG027154.D
Acq: 25 May 2017 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.2	25.8
125	22.7	8.2	12.4





#27

Indeno(1,2,3-cd)pyrene

Concen: 1.85 ng/ul

RT: 28.43 min Scan# 4313

Delta R.T. 0.01 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

Instrument :

BNA_G

ClientSampleId :

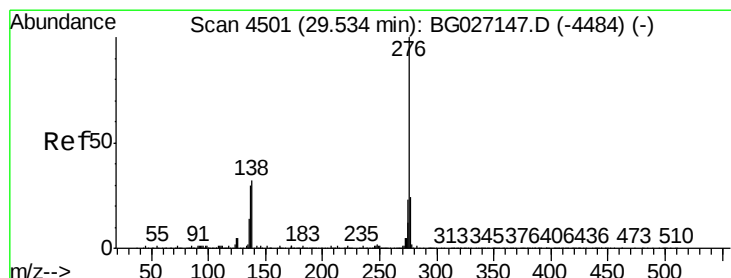
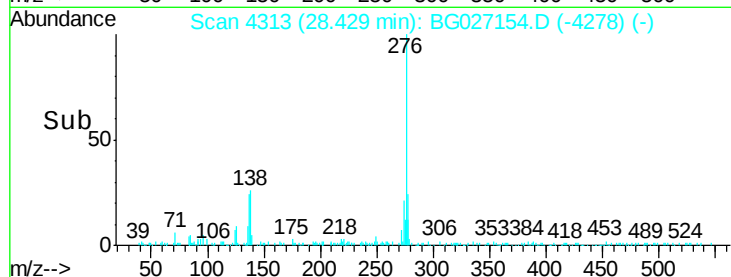
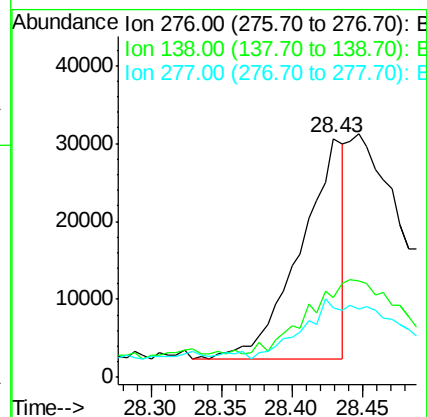
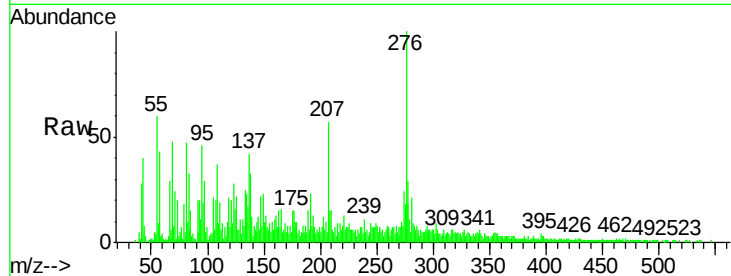
Tot Ion:276 Resp: 60946

Ion Ratio Lower Upper

276 100

138 33.2 14.4 21.6#

277 29.0 18.0 27.0#



#29

Benzo(g,h,i)perylene

Concen: 1.43 ng/ul

RT: 29.56 min Scan# 4506

Delta R.T. 0.03 min

Lab File: BG027154.D

Acq: 25 May 2017 7:56

Tgt Ion:276 Resp: 37318

Ion Ratio Lower Upper

276 100

138 33.3 15.3 22.9#

277 27.3 19.0 28.4

