

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026292.D
 Acq On : 17 Mar 2017 21:55
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02029

Quant Time: Mar 18 00:14:55 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:14:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	152737	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	709208	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	391204	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	790461	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	791937	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	739308	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	214927	20.46	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	769746	23.08	ng/ul	0.00
10) Fluorene-d10	15.65	176	529784	21.77	ng/ul	0.00
15) Anthracene-d10	17.49	188	732102	20.84	ng/ul	0.00
19) Pyrene-d10	19.77	212	746426	18.47	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	677633	21.25	ng/ul	0.00

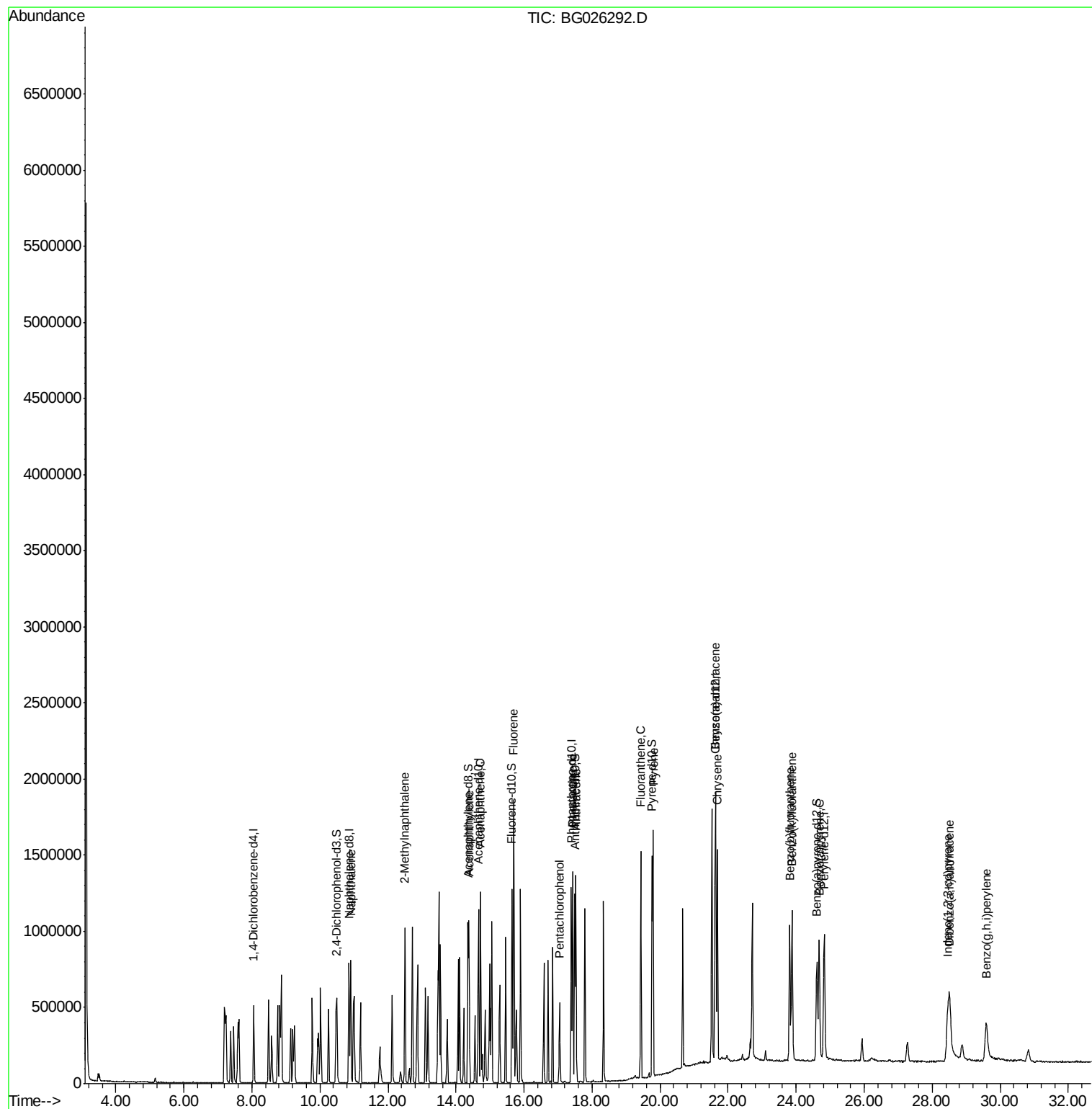
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	708082	20.41	ng/ul	97
5) 2-Methylnaphthalene	12.50	142	530378	20.61	ng/ul	99
8) Acenaphthylene	14.38	152	777209	22.81	ng/ul	99
9) Acenaphthene	14.72	153	541871	22.50	ng/ul	98
11) Fluorene	15.70	166	585868	21.56	ng/ul	99
13) Pentachlorophenol	17.04	266	98907	19.52	ng/uL	97
14) Phenanthrene	17.43	178	854738	20.40	ng/ul	99
16) Anthracene	17.53	178	889890	21.03	ng/ul	99
17) Fluoranthene	19.44	202	940057	21.62	ng/ul	99
20) Pyrene	19.79	202	946519	18.77	ng/ul	98
21) Benzo(a)anthracene	21.62	228	894993	20.31	ng/ul	97
22) Chrysene	21.68	228	840958	20.45	ng/ul	100
24) Benzo(b)fluoranthene	23.81	252	861707	20.53	ng/ul	99
25) Benzo(k)fluoranthene	23.88	252	867194	21.64	ng/ul	99
27) Benzo(a)pyrene	24.68	252	860447	22.06	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.46	276	823031	19.11	ng/ul	96
29) Dibenzo(a,h)anthracene	28.51	278	699509	20.48	ng/ul	98
30) Benzo(g,h,i)perylene	29.59	276	554789	15.05	ng/ul	100

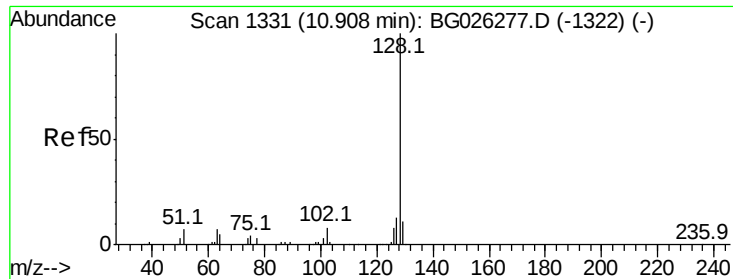
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
Data File : BG026292.D
Acq On : 17 Mar 2017 21:55
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02029

Quant Time: Mar 18 00:14:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 18 00:14:20 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 20.41 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Instrument :

BNA_G

ClientSampleId :

SSTD02029

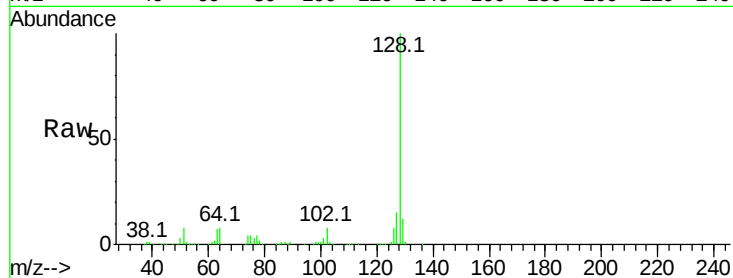
Tot Ion:128 Resp: 708082

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

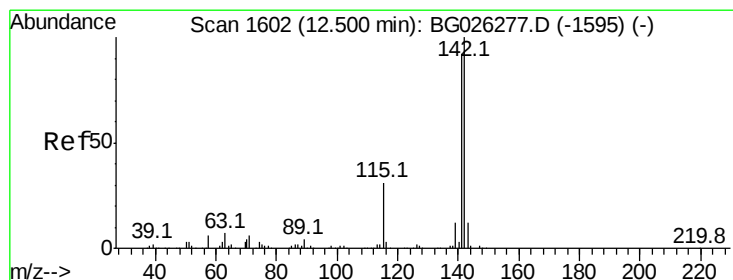
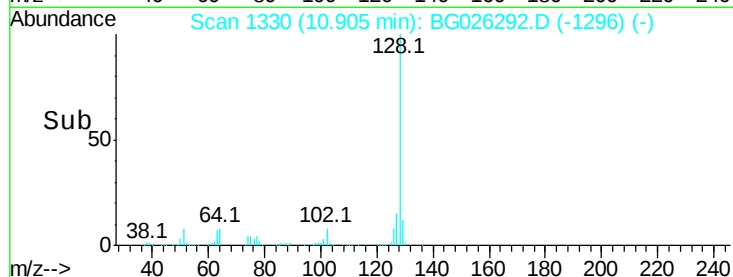
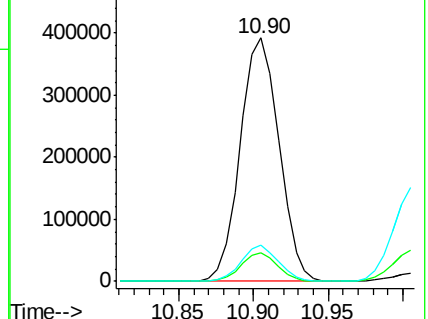
127 14.9 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 20.61 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BG026292.D

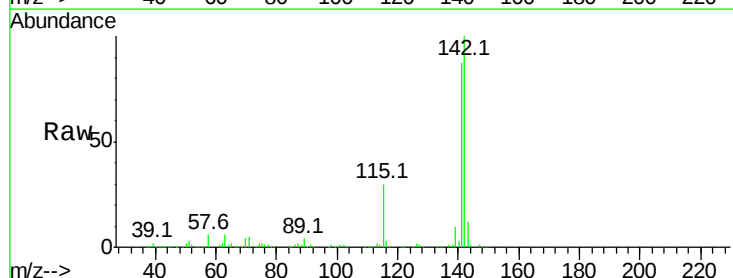
Acq: 17 Mar 2017 21:55

Tgt Ion:142 Resp: 530378

Ion Ratio Lower Upper

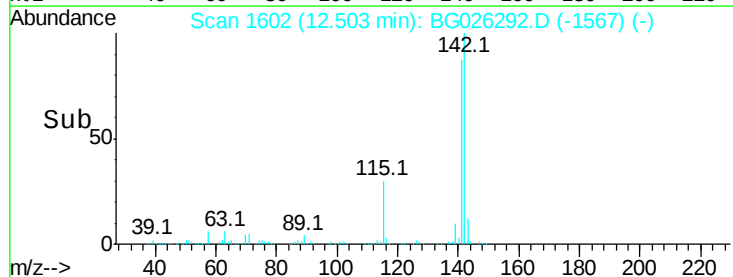
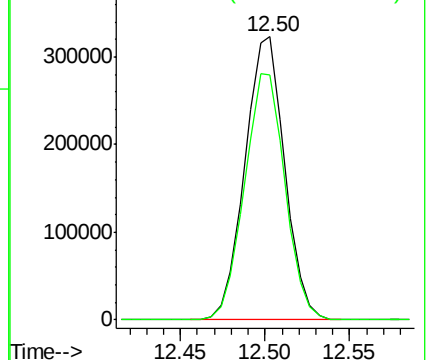
142 100

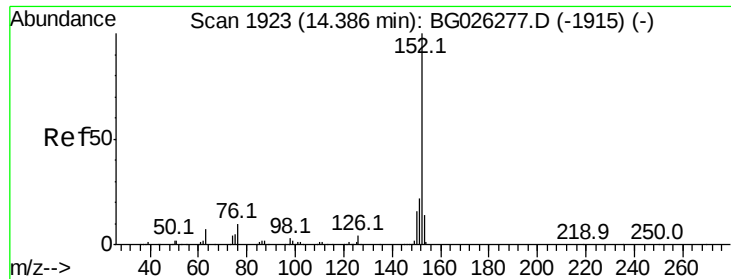
141 86.7 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 22.81 ng/ul

RT: 14.38 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Instrument :

BNA_G

ClientSampleId :

SSTD02029

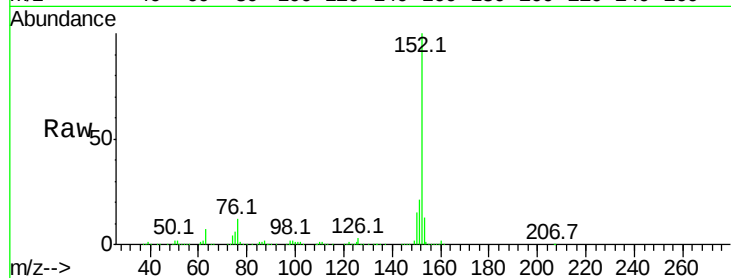
Tot Ion:152 Resp: 777209

Ion Ratio Lower Upper

152 100

151 21.2 17.5 26.3

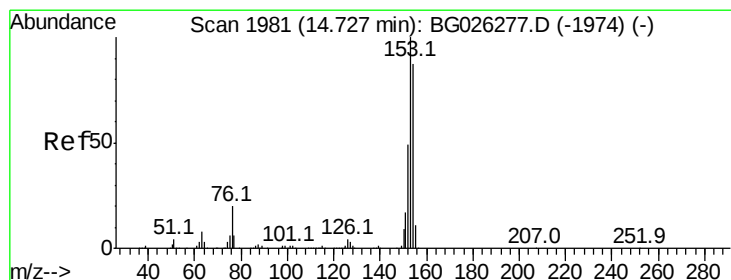
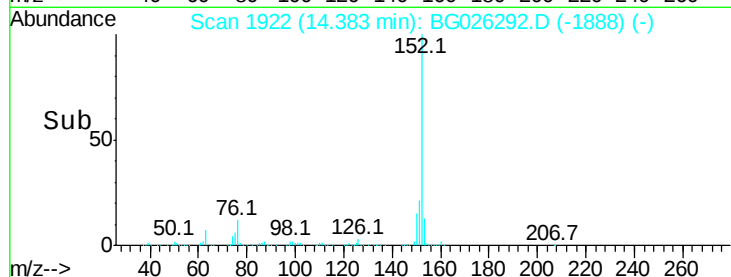
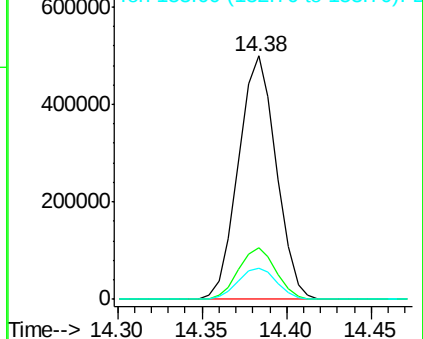
153 13.0 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#9

Acenaphthene

Concen: 22.50 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

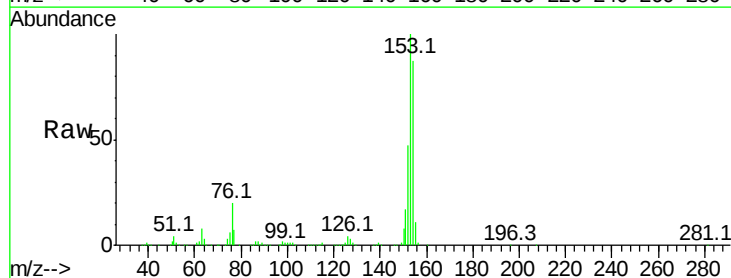
Tgt Ion:153 Resp: 541871

Ion Ratio Lower Upper

153 100

152 47.2 37.9 56.9

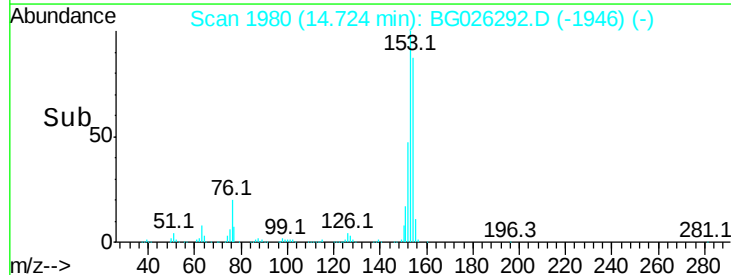
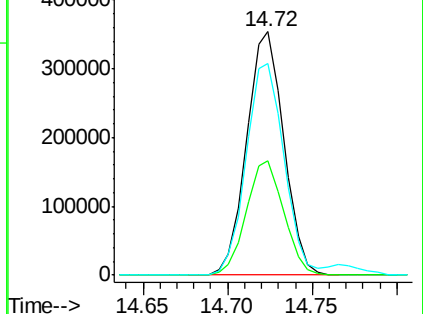
154 87.2 71.6 107.4

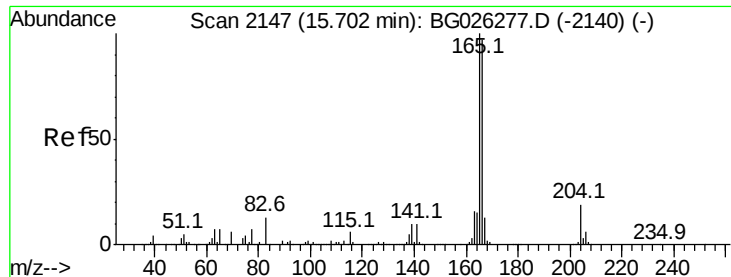


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

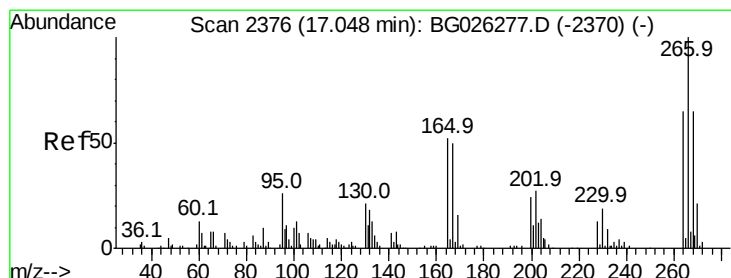
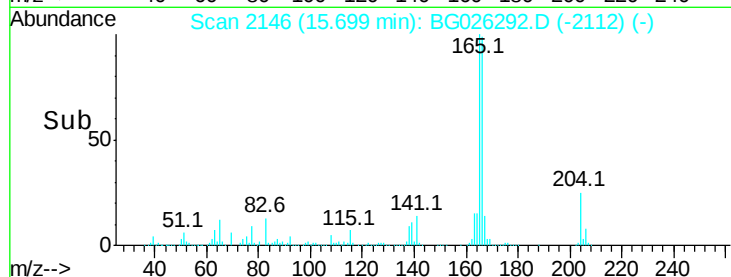
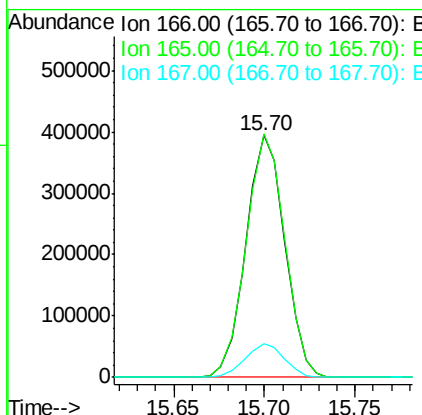
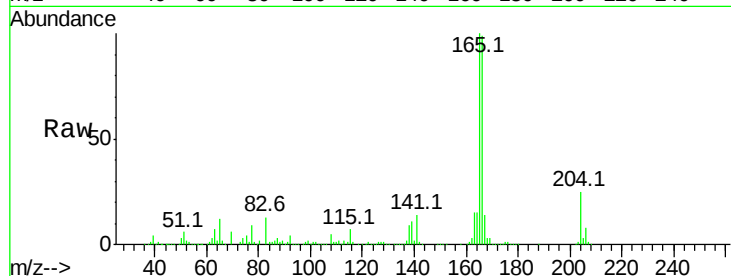




#11
 Fluorene
 Concen: 21.56 ng/ul
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.00 min
 Lab File: BG026292.D
 Acq: 17 Mar 2017 21:55

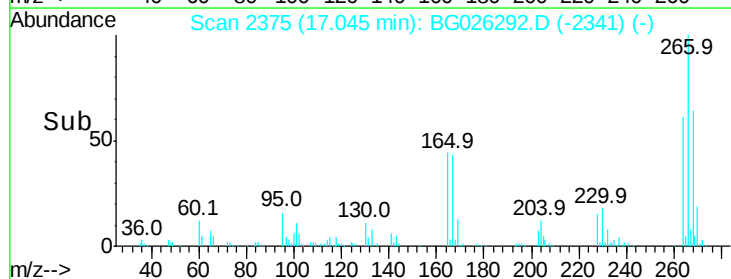
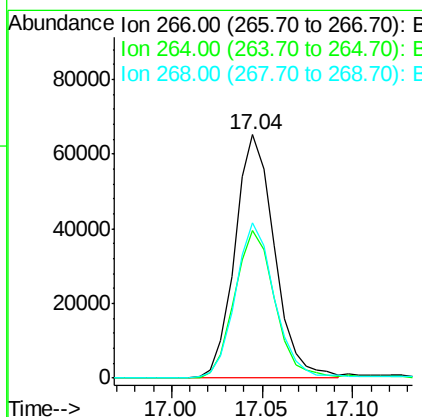
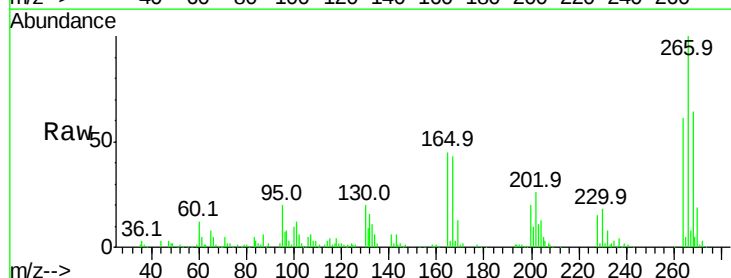
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02029

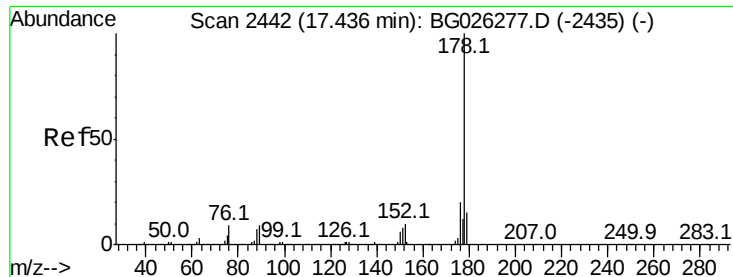
Tot Ion:166 Resp: 585868
 Ion Ratio Lower Upper
 166 100
 165 100.7 80.0 120.0
 167 14.1 11.6 17.4



#13
 Pentachlorophenol
 Concen: 19.52 ng/uL
 RT: 17.04 min Scan# 2375
 Delta R.T. -0.00 min
 Lab File: BG026292.D
 Acq: 17 Mar 2017 21:55

Tgt Ion:266 Resp: 98907
 Ion Ratio Lower Upper
 266 100
 264 60.9 52.0 78.0
 268 63.6 51.2 76.8

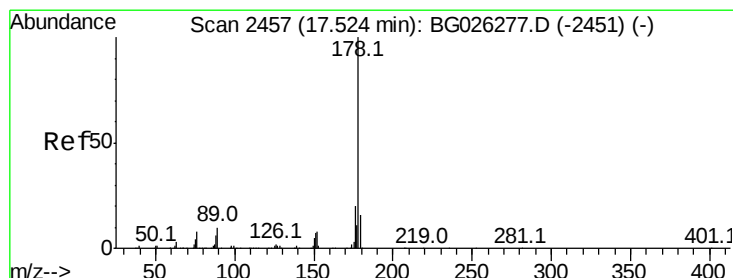
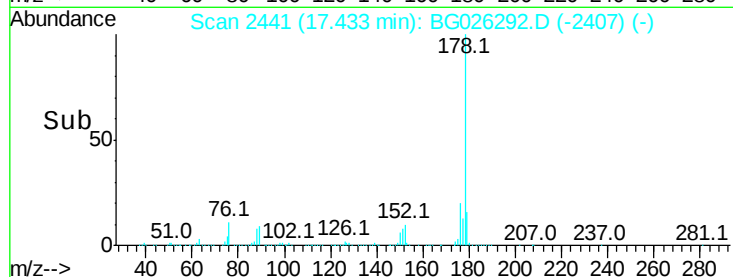
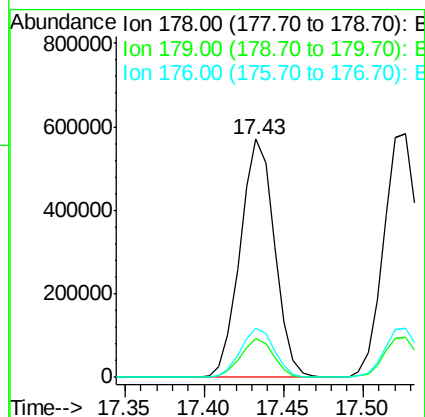
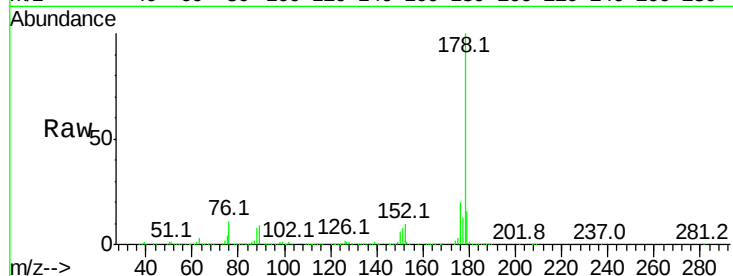




#14
Phenanthrene
Concen: 20.40 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG026292.D
Acq: 17 Mar 2017 21:55

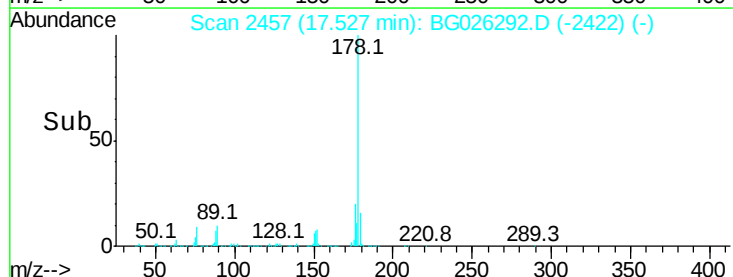
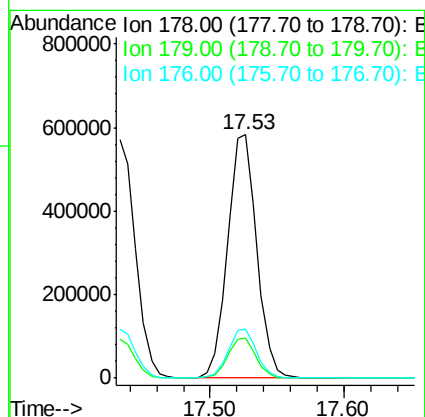
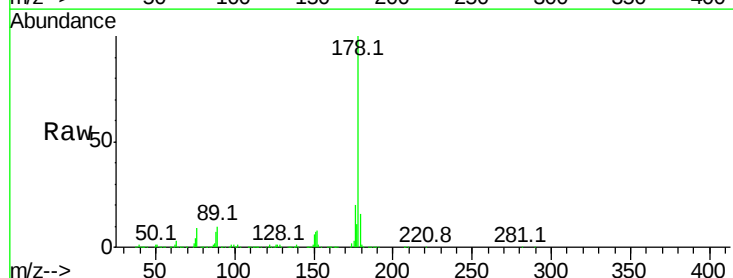
Instrument :
BNA_G
ClientSampleId :
SSTD02029

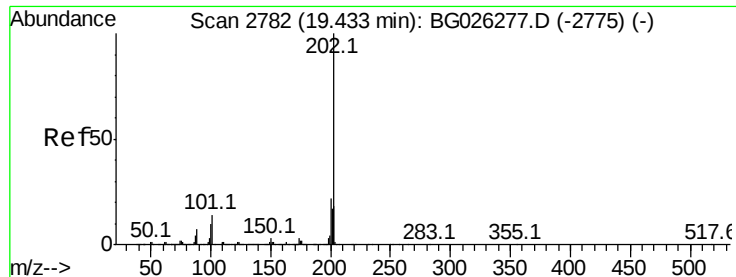
Tot Ion:178 Resp: 854738
Ion Ratio Lower Upper
178 100
179 16.3 12.2 18.4
176 20.3 16.4 24.6



#16
Anthracene
Concen: 21.03 ng/ul
RT: 17.53 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG026292.D
Acq: 17 Mar 2017 21:55

Tgt Ion:178 Resp: 889890
Ion Ratio Lower Upper
178 100
179 16.2 12.7 19.1
176 20.2 15.8 23.8





#17

Fluoranthene

Concen: 21.62 ng/ul

RT: 19.44 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Instrument :

BNA_G

ClientSampleId :

SSTD02029

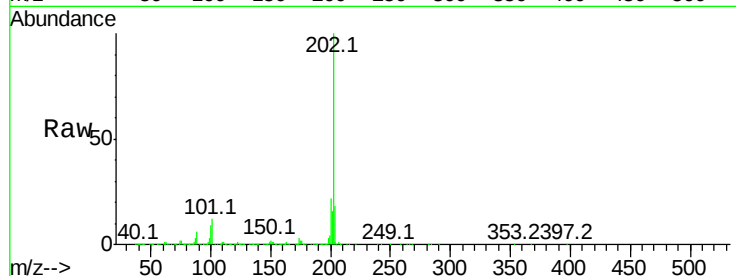
Tot Ion:202 Resp: 940057

Ion Ratio Lower Upper

202 100

101 12.2 9.8 14.8

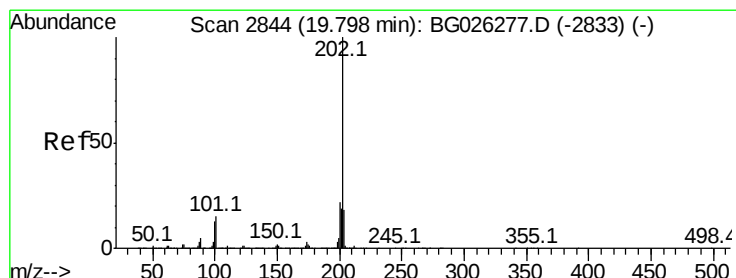
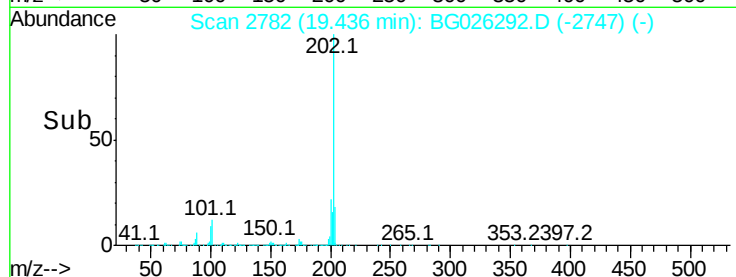
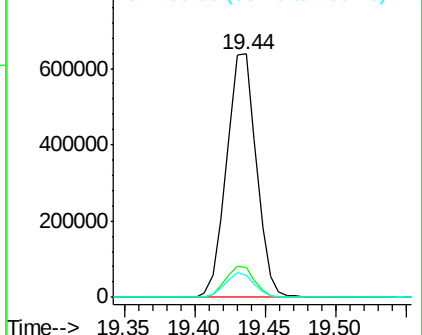
100 9.1 7.5 11.3



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: 18.77 ng/ul

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

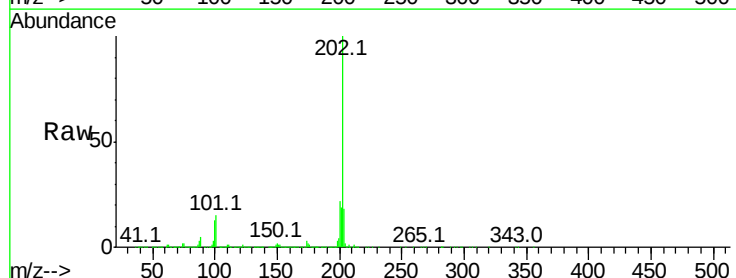
Tgt Ion:202 Resp: 946519

Ion Ratio Lower Upper

202 100

101 15.0 11.2 16.8

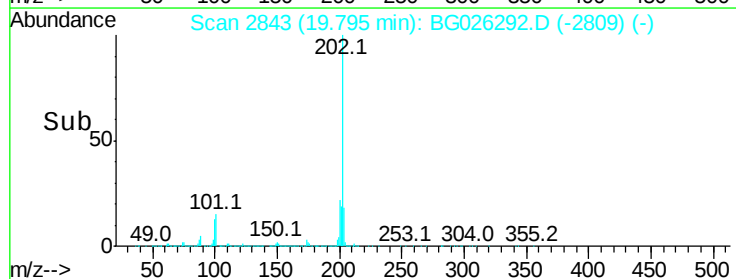
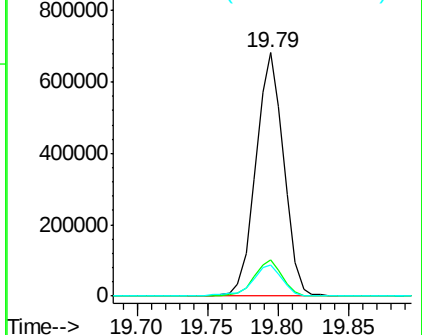
100 13.0 9.8 14.6

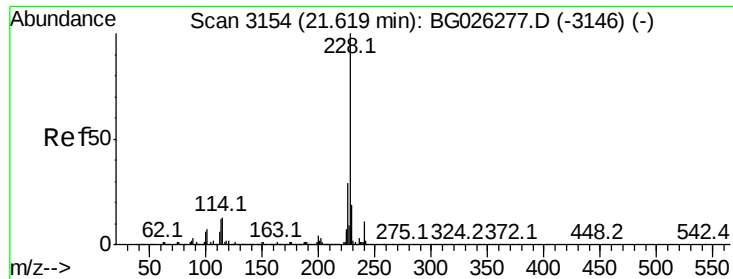


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 20.31 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Instrument :

BNA_G

ClientSampleId :

SSTD02029

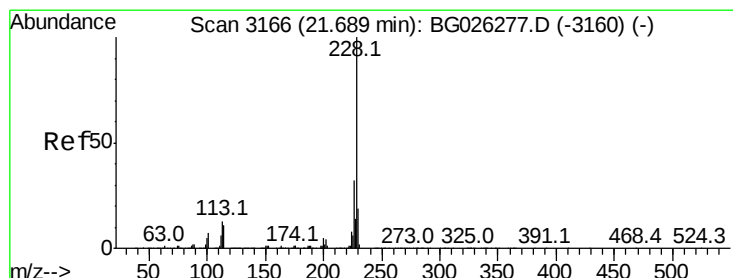
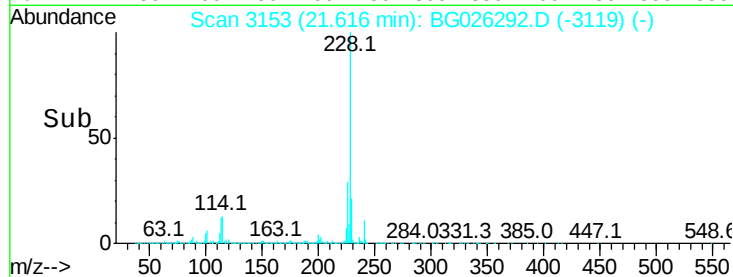
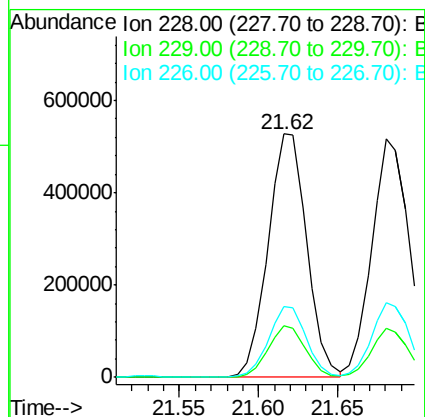
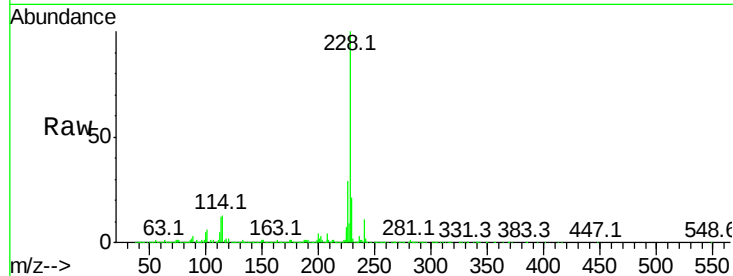
Tot Ion:228 Resp: 894993

Ion Ratio Lower Upper

228 100

229 21.1 15.9 23.9

226 29.0 22.1 33.1



#22

Chrysene

Concen: 20.45 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

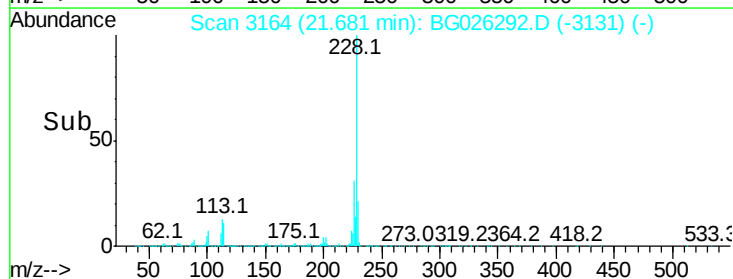
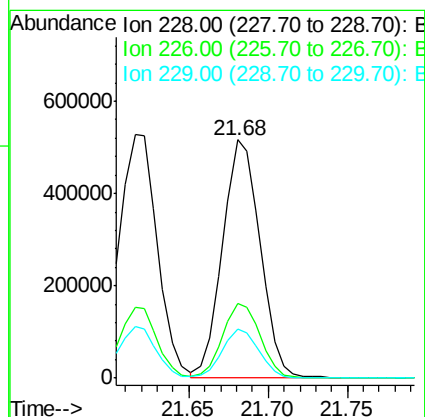
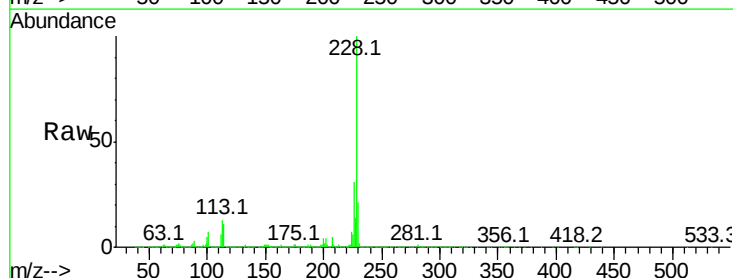
Tgt Ion:228 Resp: 840958

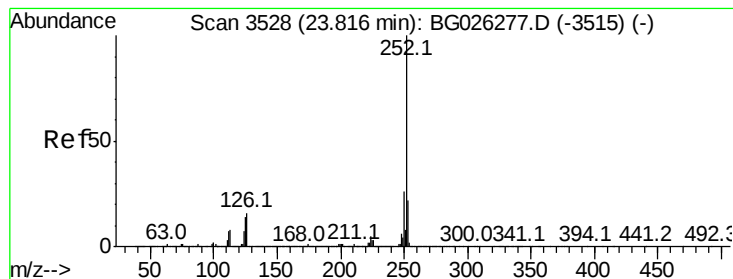
Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 20.6 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 20.53 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

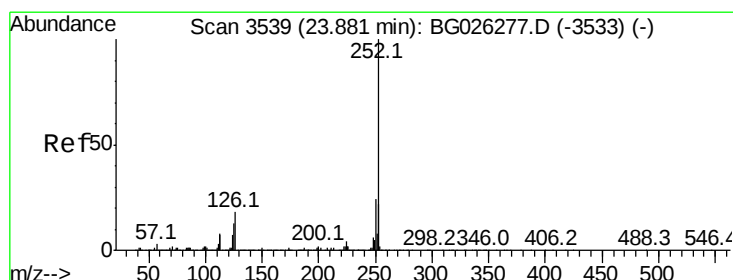
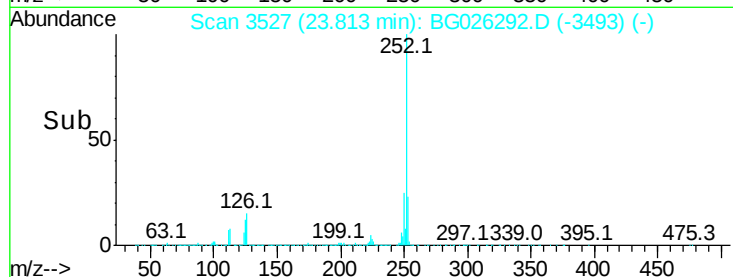
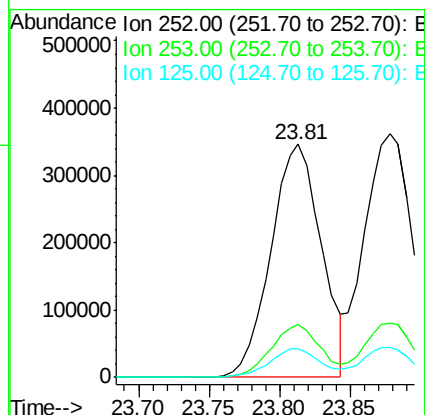
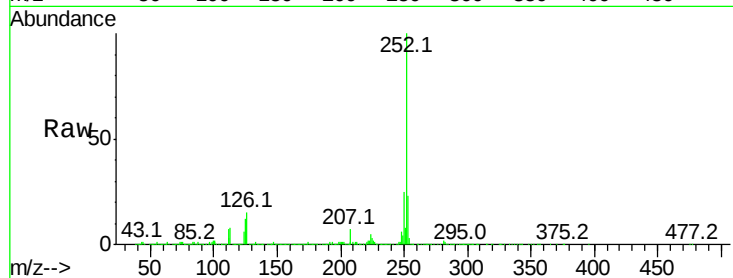
Instrument :

BNA_G

ClientSampleId :

SSTD02029

Tot Ion:	252	Resp:	861707
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.1	9.4	14.0



#25

Benzo(k)fluoranthene

Concen: 21.64 ng/ul

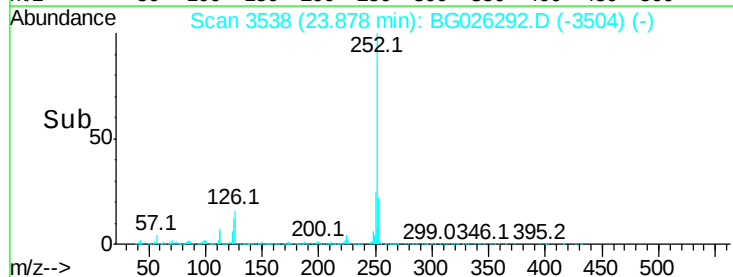
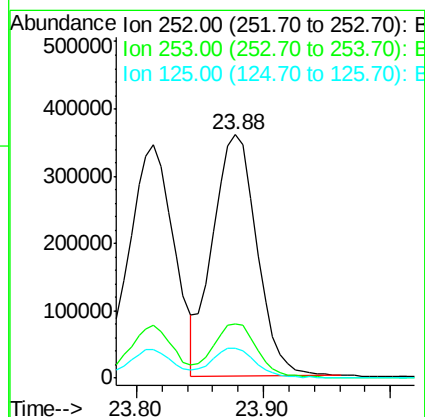
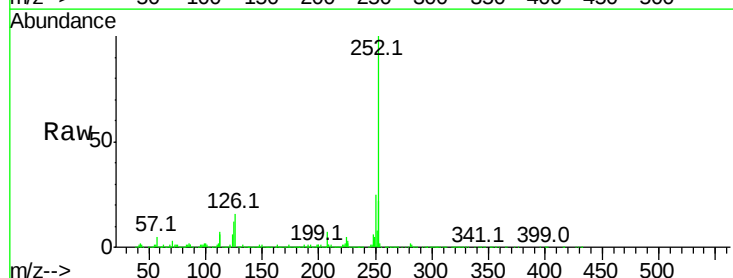
RT: 23.88 min Scan# 3538

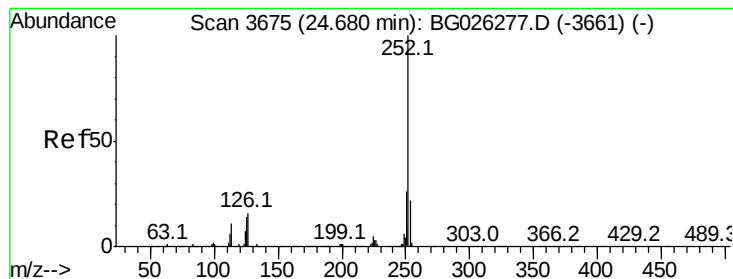
Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Tgt Ion:	252	Resp:	867194
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	12.0	8.8	13.2





#27

Benzo(a)pyrene

Concen: 22.06 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Instrument :

BNA_G

ClientSampleId :

SSTD02029

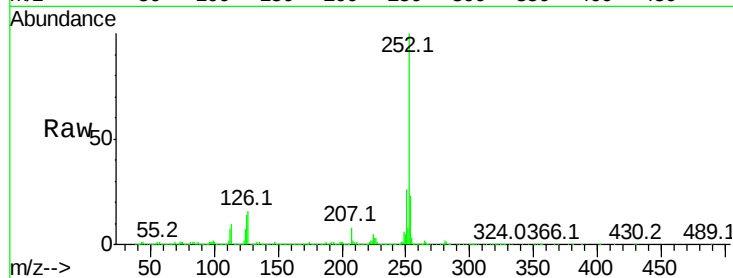
Tot Ion:252 Resp: 860447

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

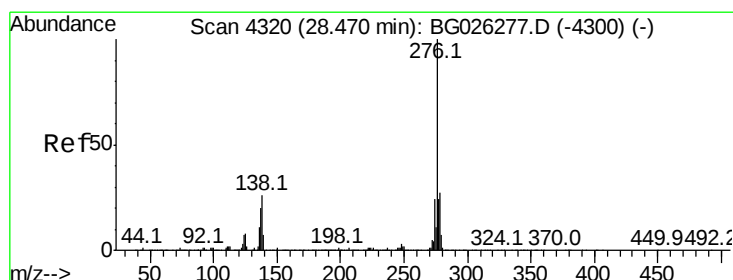
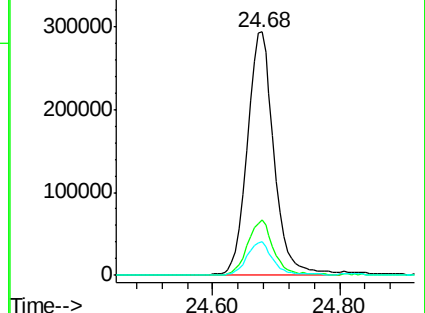
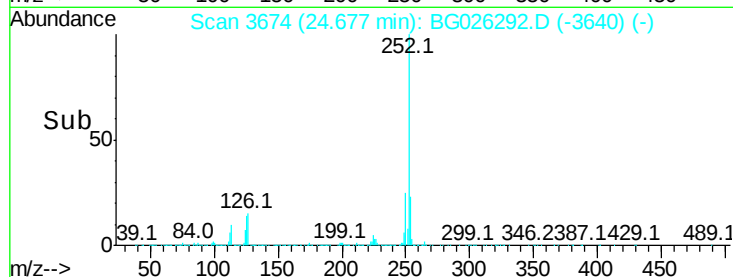
125 13.8 9.4 14.2



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: 19.11 ng/ul

RT: 28.46 min Scan# 4318

Delta R.T. -0.01 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

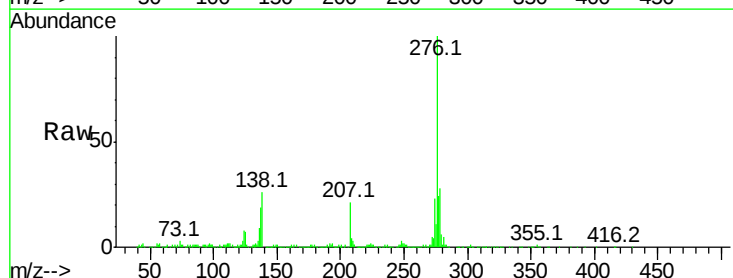
Tgt Ion:276 Resp: 823031

Ion Ratio Lower Upper

276 100

138 26.0 17.8 26.6

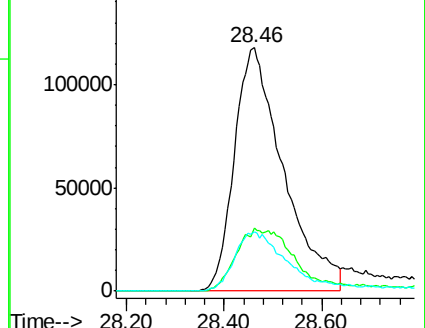
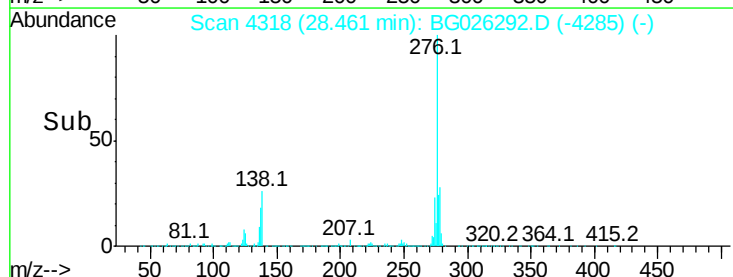
277 24.2 19.4 29.0

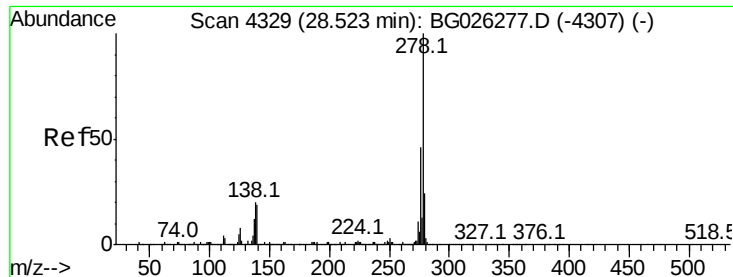


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.48 ng/ul

RT: 28.51 min Scan# 4326

Delta R.T. -0.01 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

Instrument :

BNA_G

ClientSampleId :

SSTD02029

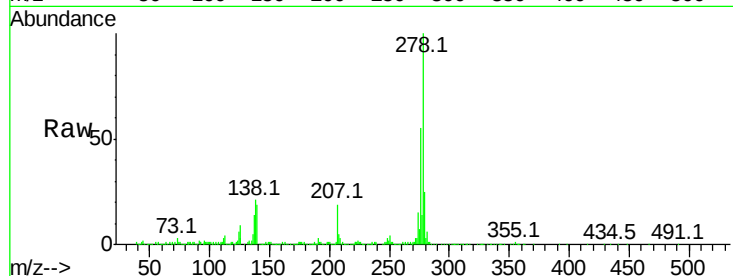
Tot Ion:278 Resp: 699509

Ion Ratio Lower Upper

278 100

139 18.6 14.0 21.0

279 24.6 20.6 31.0



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

28.51

150000

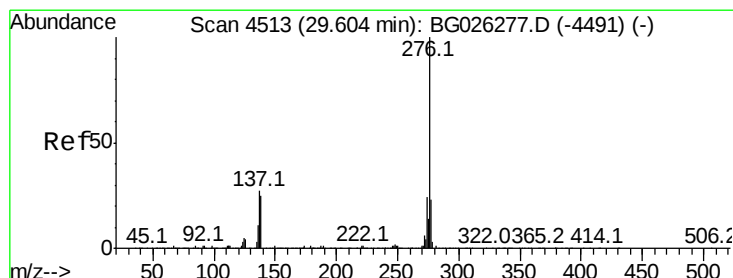
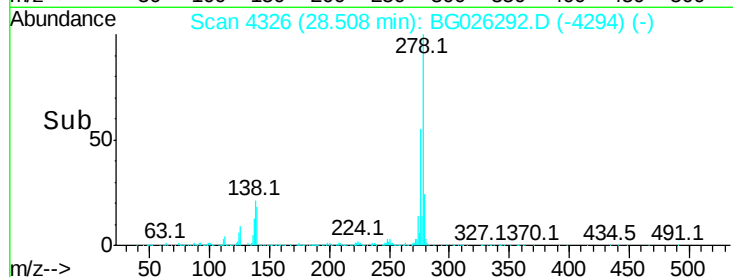
100000

50000

0

Time-->

28.40 28.60



#30

Benzo(g,h,i)perylene

Concen: 15.05 ng/ul

RT: 29.59 min Scan# 4510

Delta R.T. -0.01 min

Lab File: BG026292.D

Acq: 17 Mar 2017 21:55

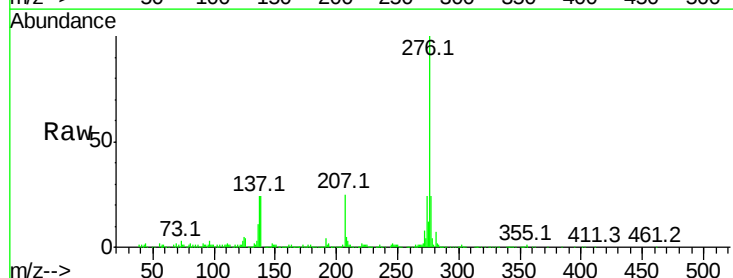
Tgt Ion:276 Resp: 554789

Ion Ratio Lower Upper

276 100

138 23.8 19.0 28.4

277 24.4 19.7 29.5



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

29.59

120000

100000

80000

60000

40000

20000

0

Time-->

29.40 29.60

