

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026306.D
 Acq On : 18 Mar 2017 7:05
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02032

Quant Time: Mar 20 02:15:36 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 02:15:32 2017
 Response via : Initial Calibration

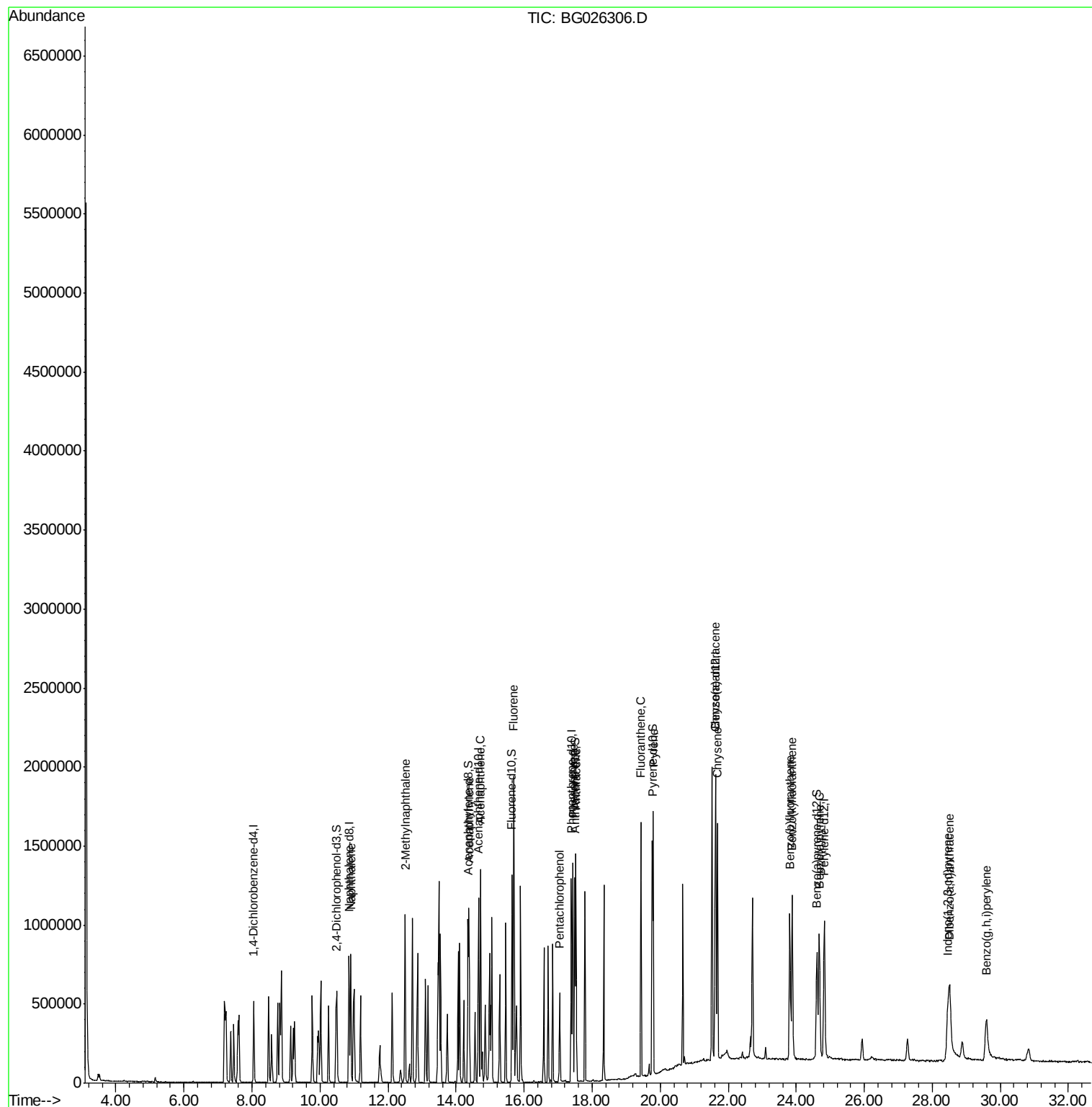
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	155388	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	741482	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	406393	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	822736	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	823702	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	779649	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	227390	20.70	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	805706	23.25	ng/ul	0.00
10) Fluorene-d10	15.64	176	558355	22.09	ng/ul	0.00
15) Anthracene-d10	17.49	188	762000	20.84	ng/ul	0.00
19) Pyrene-d10	19.76	212	782353	18.61	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	714963	21.26	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	728403	20.08	ng/ul	98
5) 2-Methylnaphthalene	12.50	142	548296	20.38	ng/ul	99
8) Acenaphthylene	14.38	152	809070	22.86	ng/ul	99
9) Acenaphthene	14.72	153	568066	22.71	ng/ul	99
11) Fluorene	15.70	166	615701	21.81	ng/ul	99
13) Pentachlorophenol	17.05	266	105177	19.94	ng/uL	95
14) Phenanthrene	17.44	178	897834	20.59	ng/ul	99
16) Anthracene	17.52	178	901847	20.48	ng/ul	99
17) Fluoranthene	19.43	202	963055	21.28	ng/ul	99
20) Pyrene	19.79	202	986159	18.81	ng/ul	98
21) Benzo(a)anthracene	21.62	228	924256	20.16	ng/ul	97
22) Chrysene	21.68	228	894190	20.90	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	927895	20.96	ng/ul	99
25) Benzo(k)fluoranthene	23.88	252	901817	21.34	ng/ul	97
27) Benzo(a)pyrene	24.67	252	889489	21.63	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	809852	17.83	ng/ul	98
29) Dibenzo(a,h)anthracene	28.52	278	713553	19.81	ng/ul	96
30) Benzo(g,h,i)perylene	29.59	276	554878	14.28	ng/ul	96

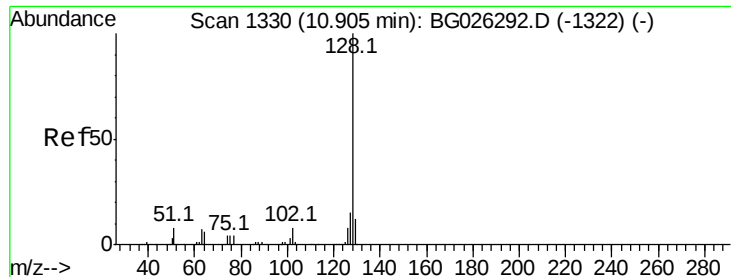
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
Data File : BG026306.D
Acq On : 18 Mar 2017 7:05
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02032

Quant Time: Mar 20 02:15:36 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 20 02:15:32 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 20.08 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

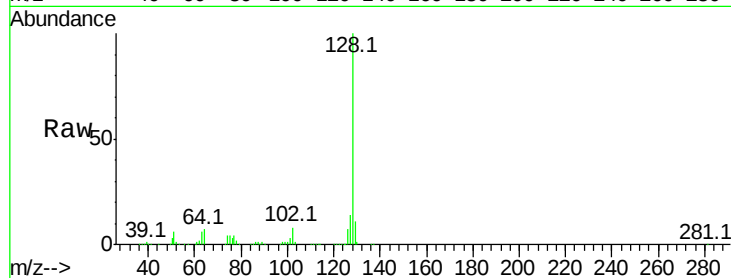
Tot Ion:128 Resp: 728403

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

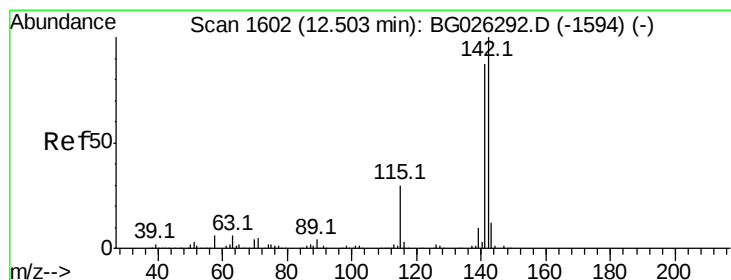
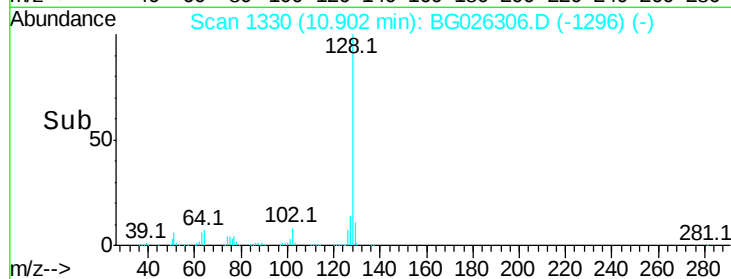
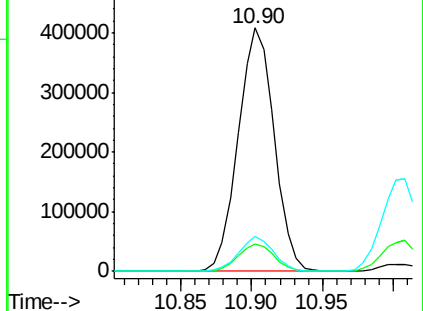
127 14.2 10.6 15.8



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: 20.38 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BG026306.D

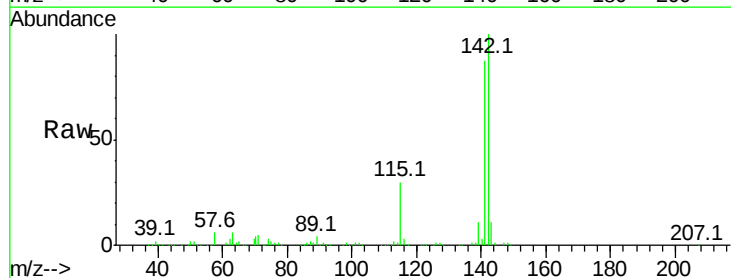
Acq: 18 Mar 2017 7:05

Tgt Ion:142 Resp: 548296

Ion Ratio Lower Upper

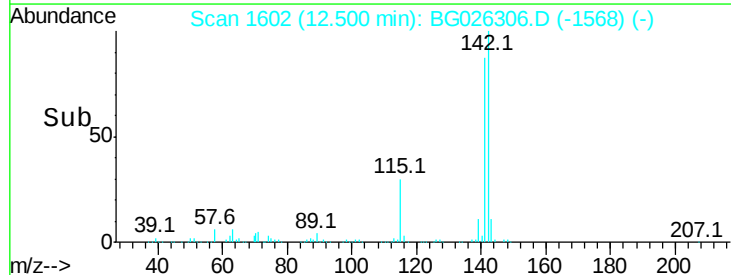
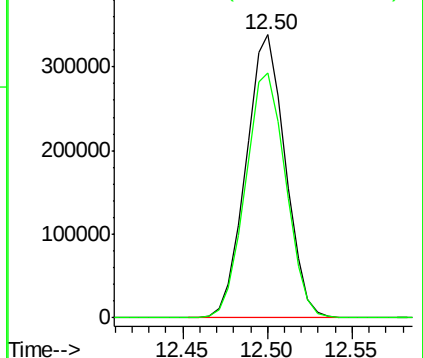
142 100

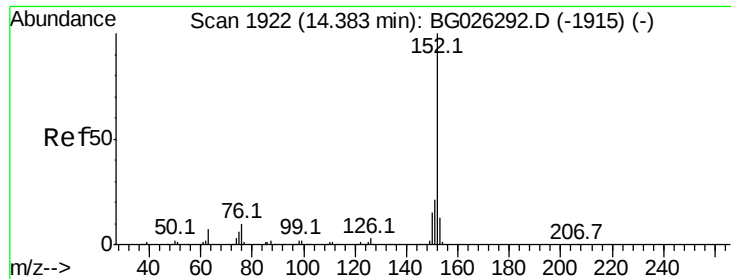
141 86.8 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 22.86 ng/ul

RT: 14.38 min Scan# 1922

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

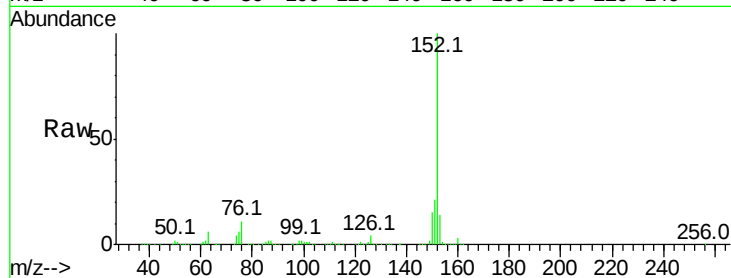
Tot Ion:152 Resp: 809070

Ion Ratio Lower Upper

152 100

151 21.1 17.5 26.3

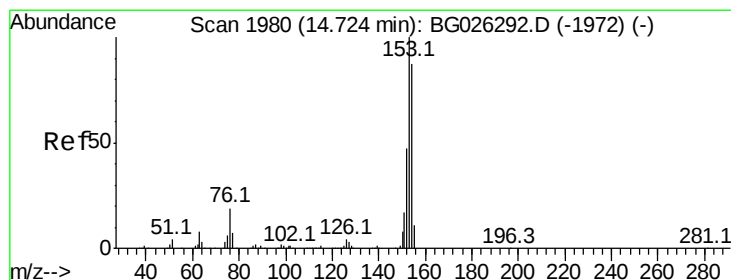
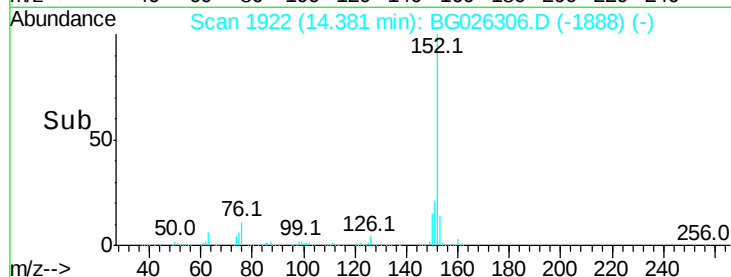
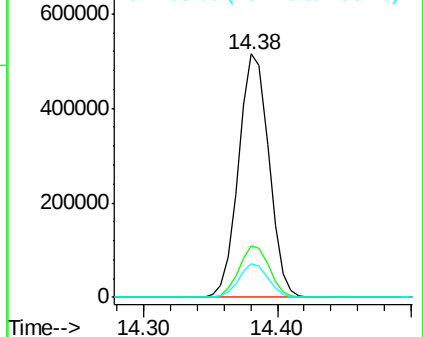
153 13.6 10.6 16.0



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: 22.71 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

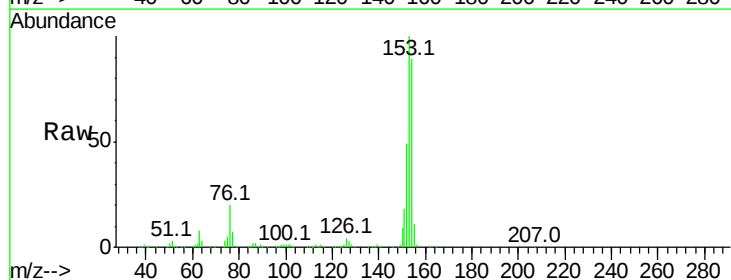
Tgt Ion:153 Resp: 568066

Ion Ratio Lower Upper

153 100

152 48.8 37.9 56.9

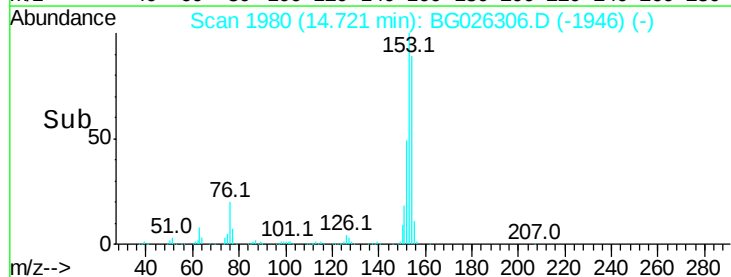
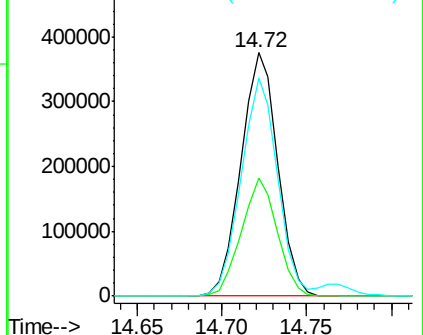
154 89.4 71.6 107.4

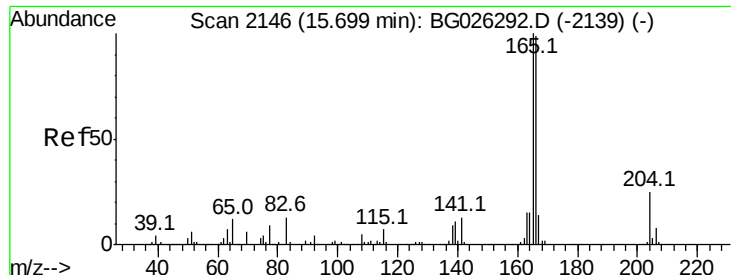


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

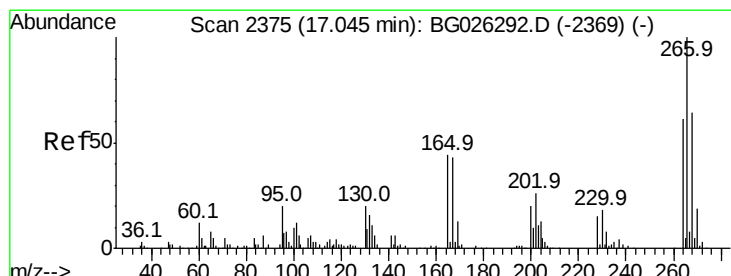
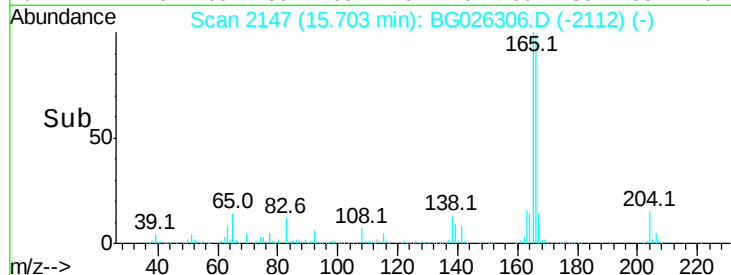
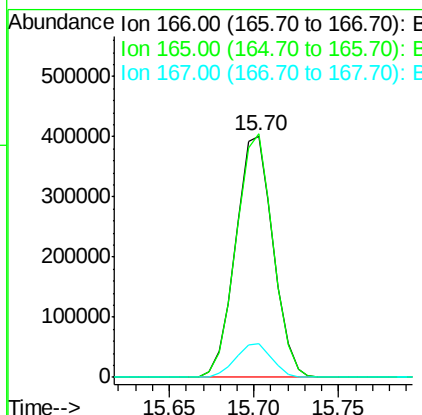
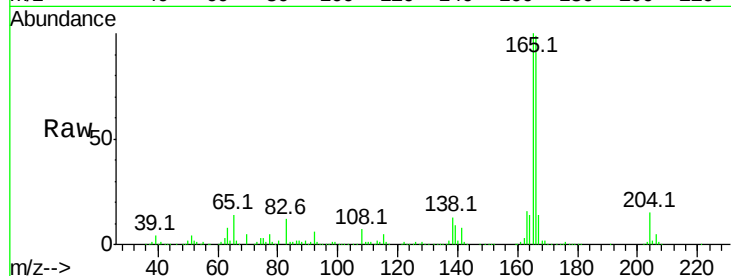




#11
Fluorene
 Concen: 21.81 ng/ul
 RT: 15.70 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: BG026306.D
 Acq: 18 Mar 2017 7:05

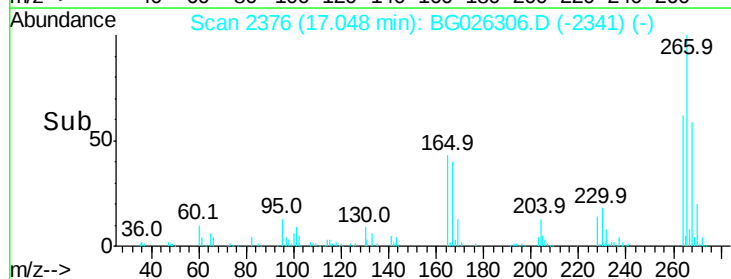
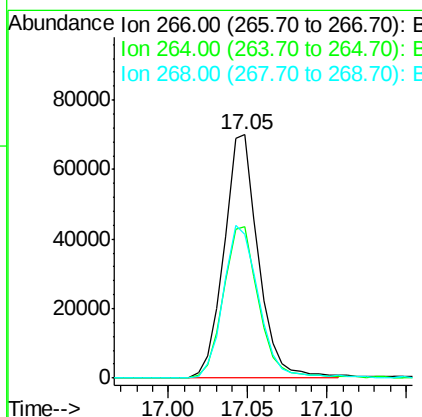
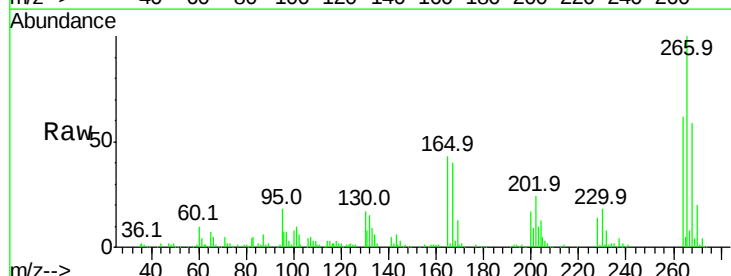
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02032

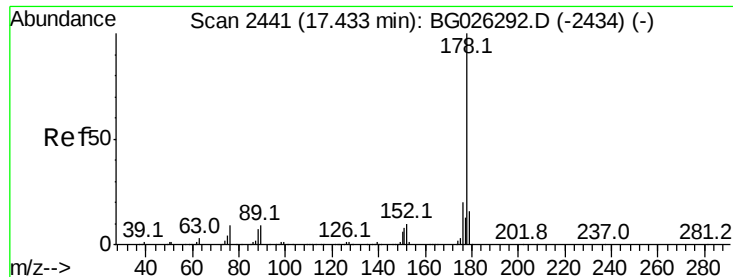
Tot Ion:166 Resp: 615701
 Ion Ratio Lower Upper
 166 100
 165 100.9 80.0 120.0
 167 14.0 11.6 17.4



#13
Pentachlorophenol
 Concen: 19.94 ng/uL
 RT: 17.05 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: BG026306.D
 Acq: 18 Mar 2017 7:05

Tgt Ion:266 Resp: 105177
 Ion Ratio Lower Upper
 266 100
 264 62.2 52.0 78.0
 268 59.1 51.2 76.8





#14

Phenanthrene

Concen: 20.59 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

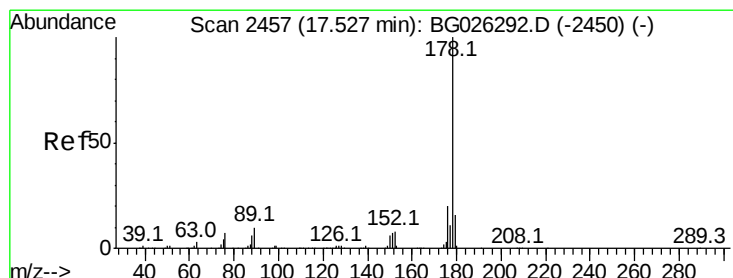
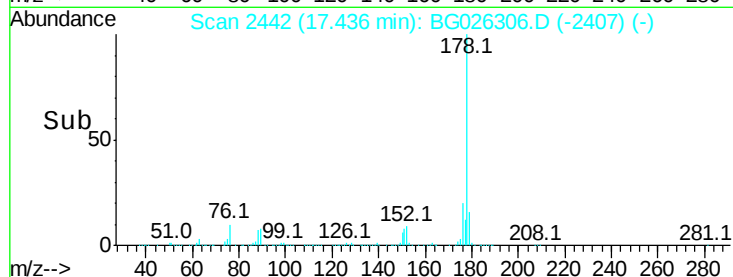
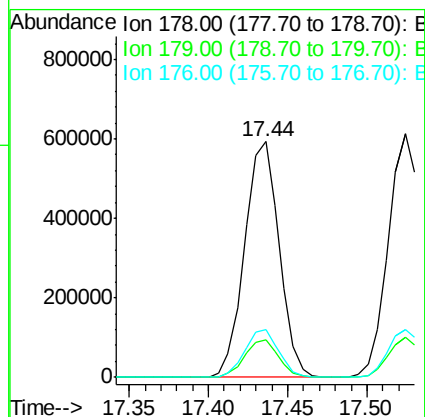
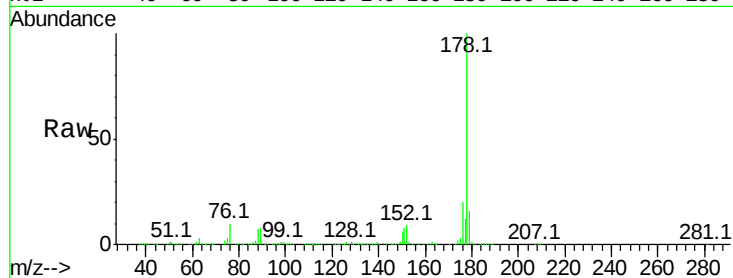
Tot Ion:178 Resp: 897834

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

176 20.4 16.4 24.6



#16

Anthracene

Concen: 20.48 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

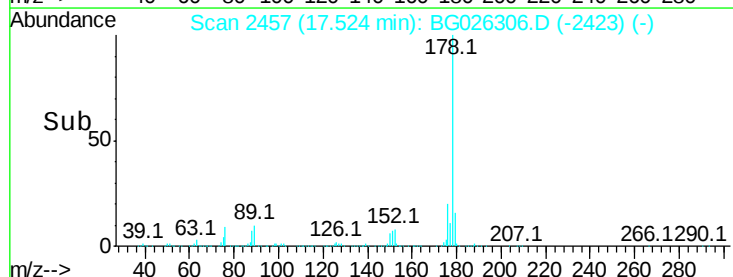
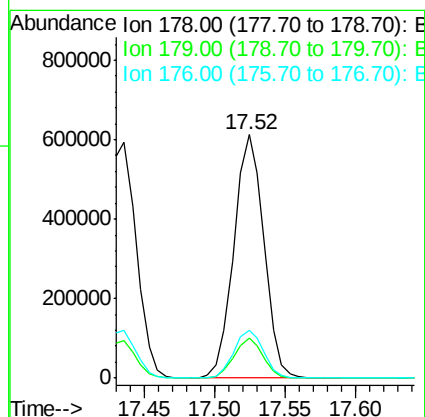
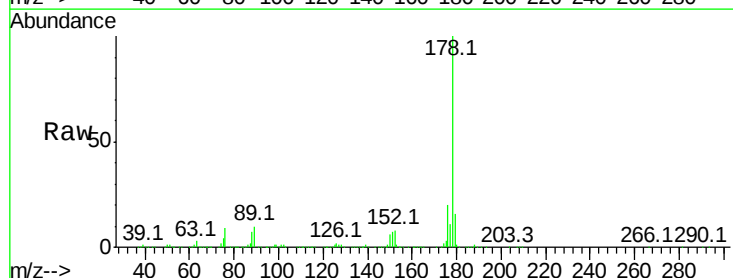
Tgt Ion:178 Resp: 901847

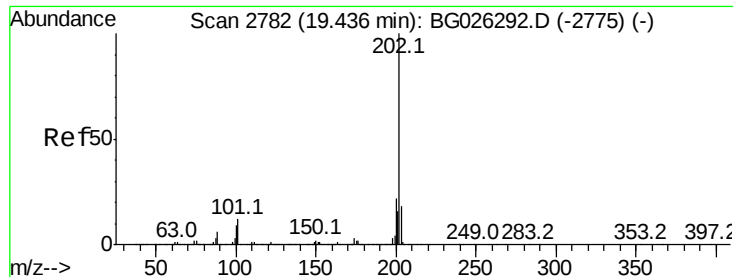
Ion Ratio Lower Upper

178 100

179 16.3 12.7 19.1

176 19.5 15.8 23.8

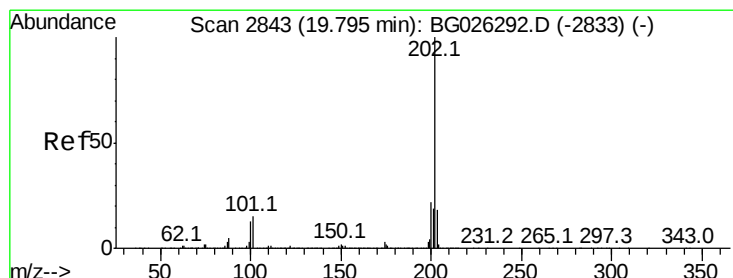
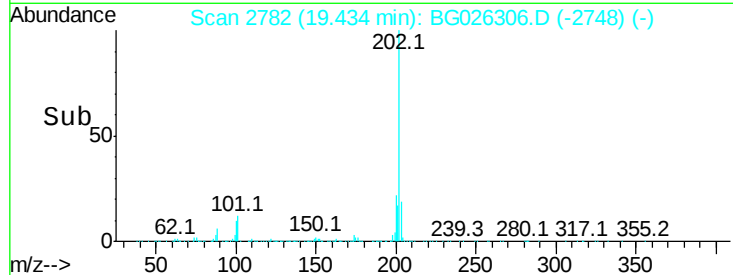
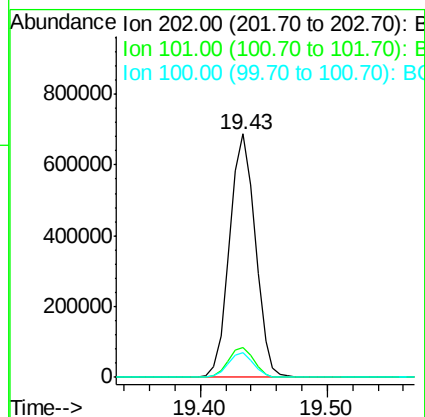
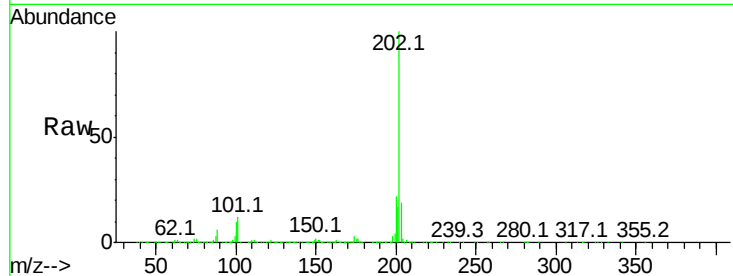




#17
Fluoranthene
 Concen: 21.28 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026306.D
 Acq: 18 Mar 2017 7:05

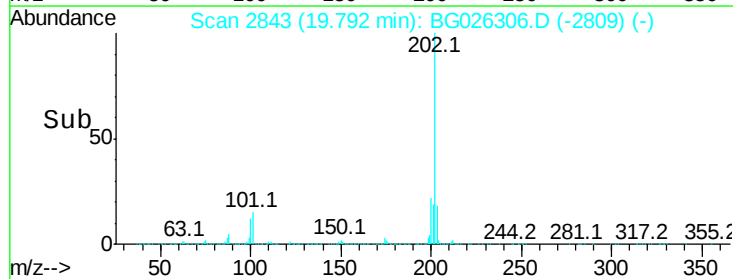
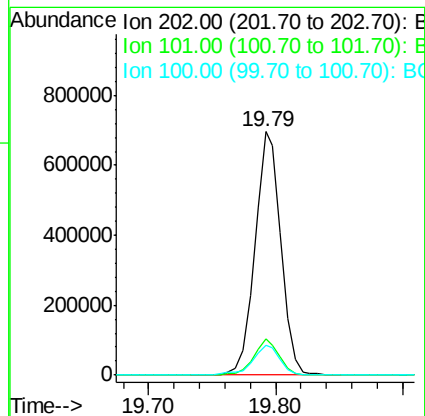
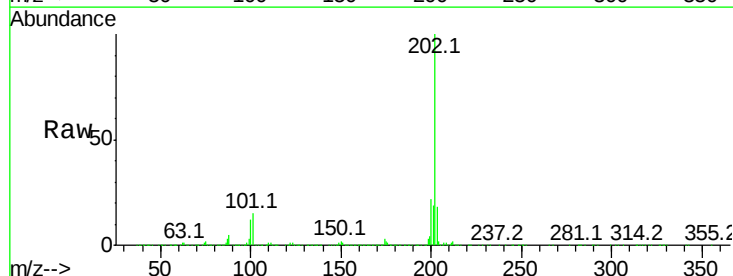
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02032

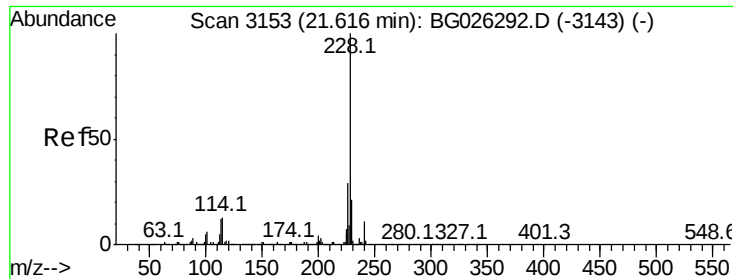
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
100	10.0	7.5	11.3



#20
Pyrene
 Concen: 18.81 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: BG026306.D
 Acq: 18 Mar 2017 7:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	11.2	16.8
100	12.4	9.8	14.6





#21

Benzo(a)anthracene

Concen: 20.16 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

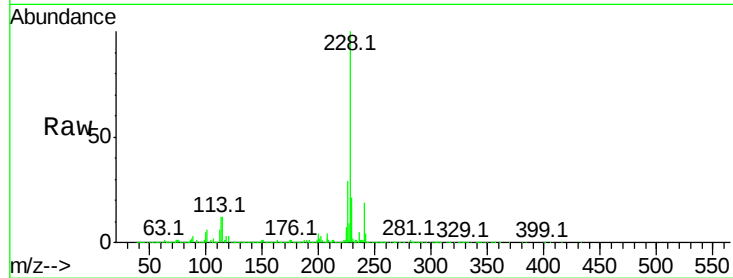
Tot Ion:228 Resp: 924256

Ion Ratio Lower Upper

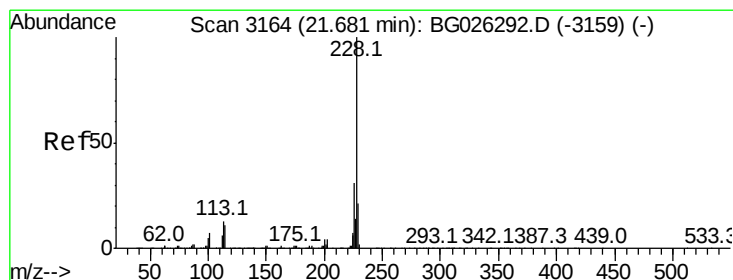
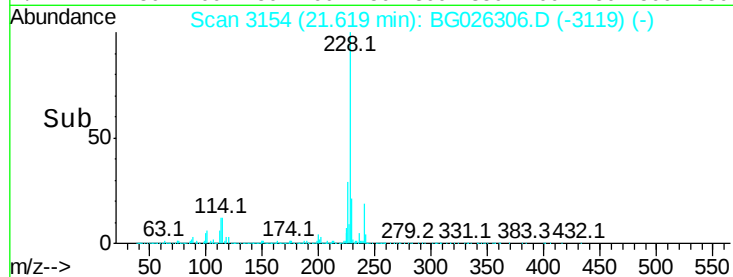
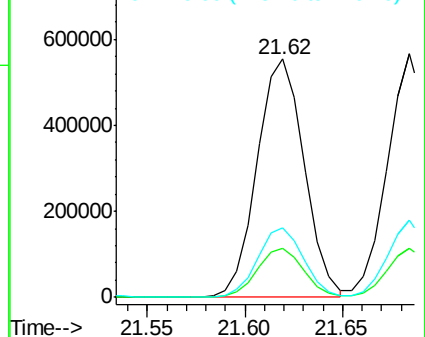
228 100

229 20.8 15.9 23.9

226 29.2 22.1 33.1



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



#22

Chrysene

Concen: 20.90 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

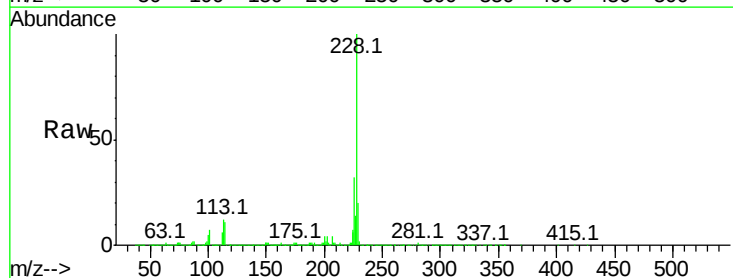
Tgt Ion:228 Resp: 894190

Ion Ratio Lower Upper

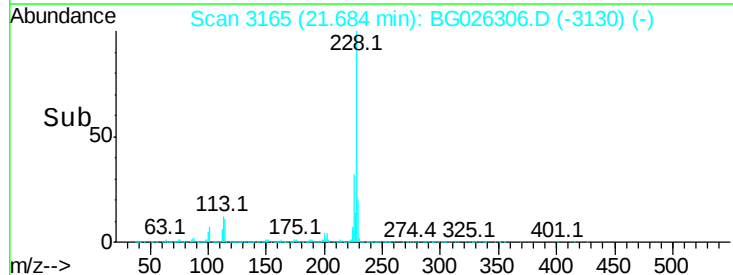
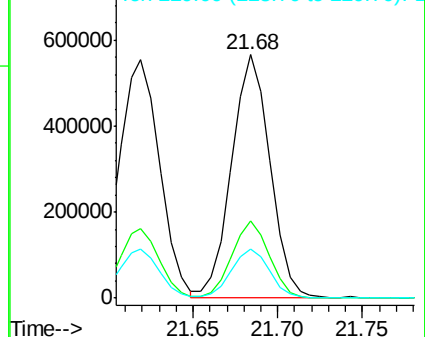
228 100

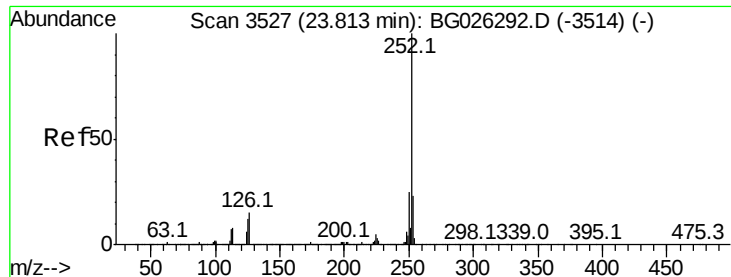
226 31.6 25.0 37.6

229 20.3 16.6 25.0



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





#24

Benzo(b)fluoranthene

Concen: 20.96 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

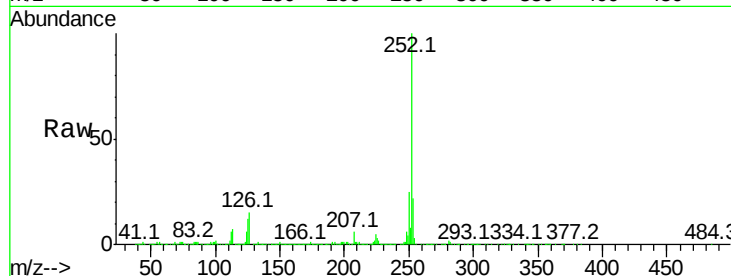
Tot Ion:252 Resp: 927895

Ion Ratio Lower Upper

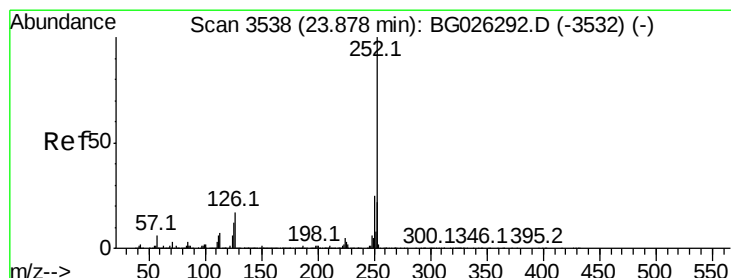
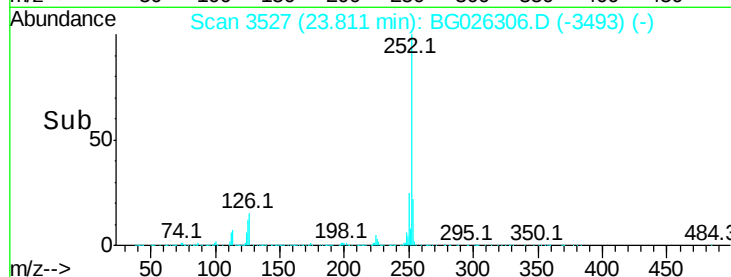
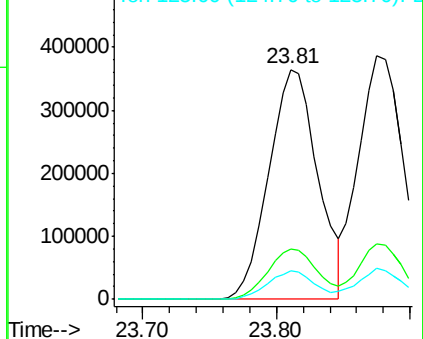
252 100

253 21.7 17.8 26.6

125 12.2 9.4 14.0



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



#25

Benzo(k)fluoranthene

Concen: 21.34 ng/ul

RT: 23.88 min Scan# 3538

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

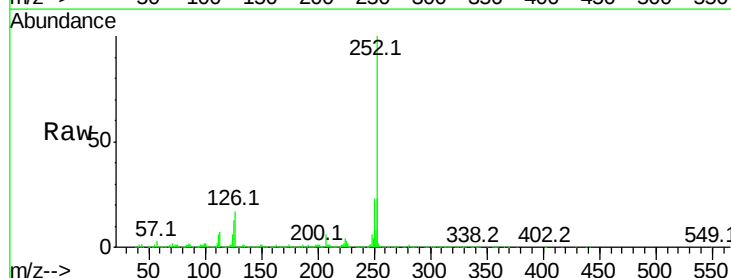
Tgt Ion:252 Resp: 901817

Ion Ratio Lower Upper

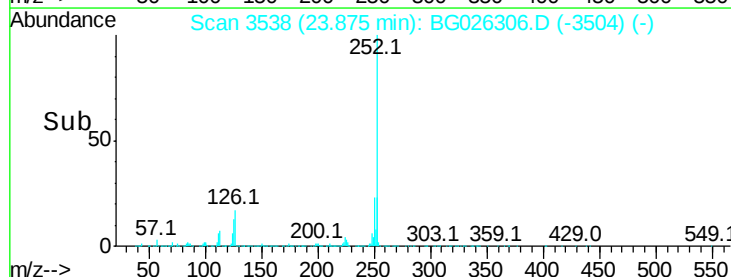
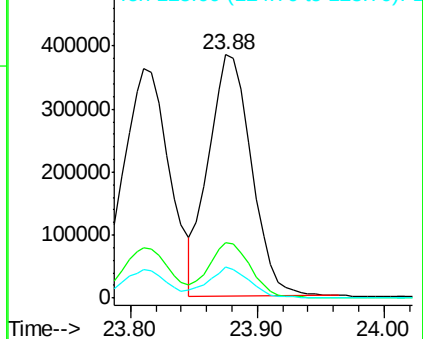
252 100

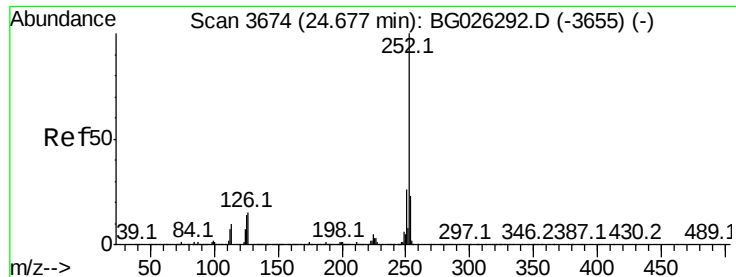
253 22.9 17.4 26.2

125 12.8 8.8 13.2



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





#27

Benzo(a)pyrene

Concen: 21.63 ng/ul

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

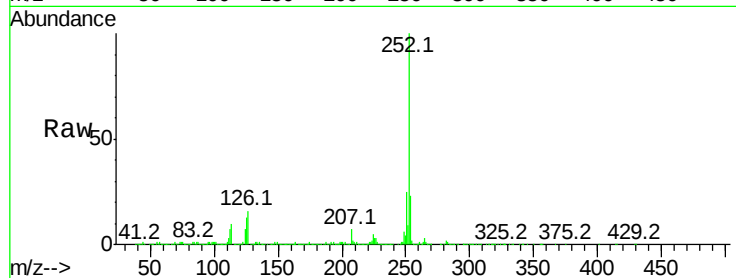
Tot Ion:252 Resp: 889489

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

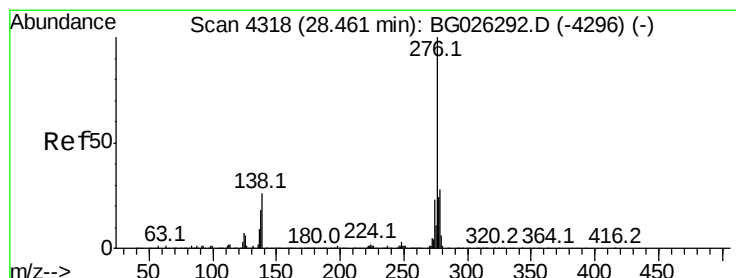
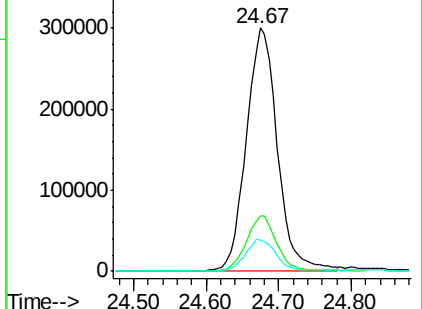
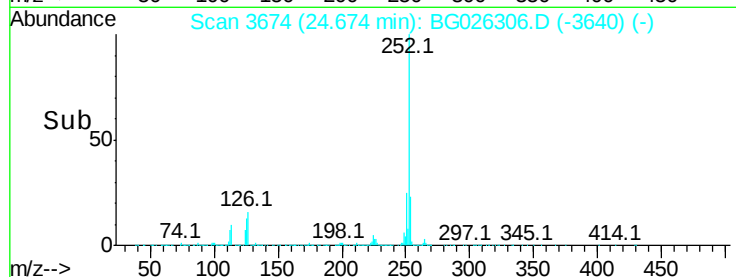
125 12.7 9.4 14.2



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: 17.83 ng/ul

RT: 28.46 min Scan# 4318

Delta R.T. -0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

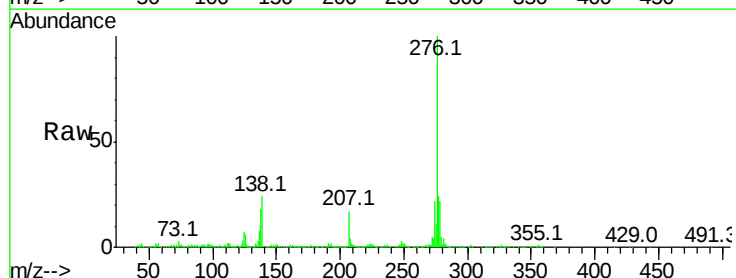
Tgt Ion:276 Resp: 809852

Ion Ratio Lower Upper

276 100

138 23.6 17.8 26.6

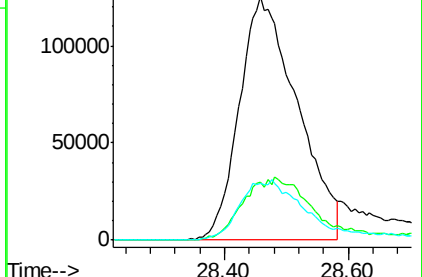
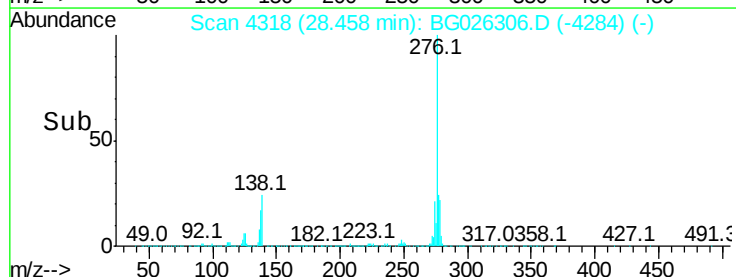
277 23.5 19.4 29.0

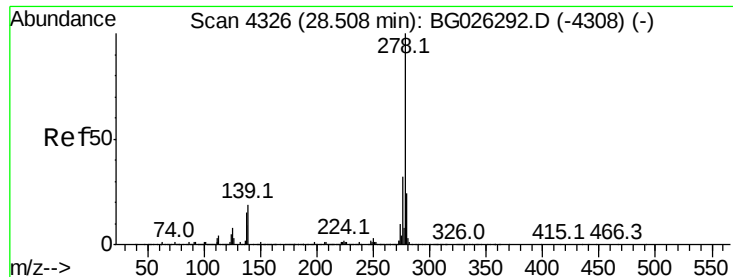


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.81 ng/ul

RT: 28.52 min Scan# 4328

Delta R.T. 0.01 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

Instrument :

BNA_G

ClientSampleId :

SSTD02032

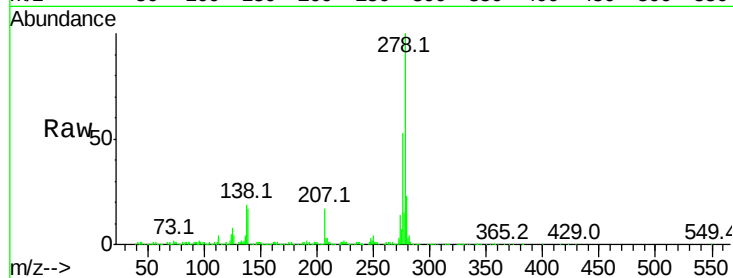
Tot Ion:278 Resp: 713553

Ion Ratio Lower Upper

278 100

139 16.9 14.0 21.0

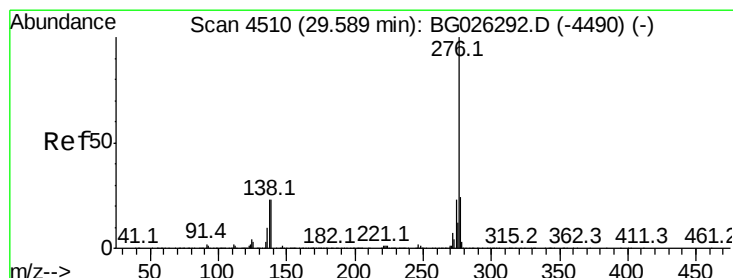
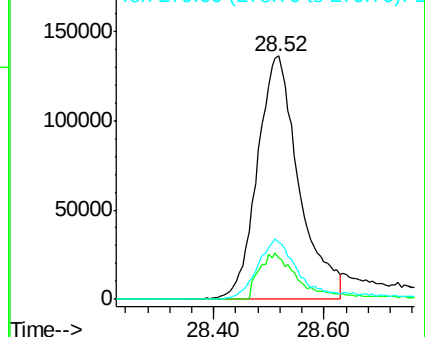
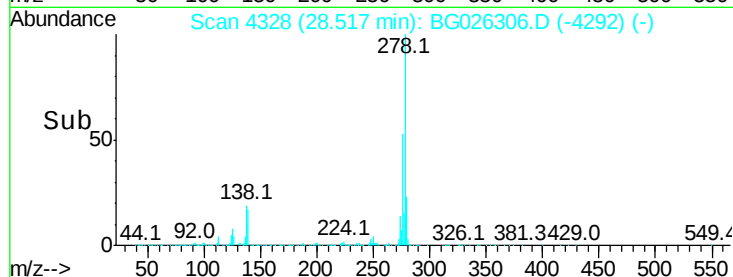
279 23.2 20.6 31.0



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



#30

Benzo(g,h,i)perylene

Concen: 14.28 ng/ul

RT: 29.59 min Scan# 4511

Delta R.T. 0.00 min

Lab File: BG026306.D

Acq: 18 Mar 2017 7:05

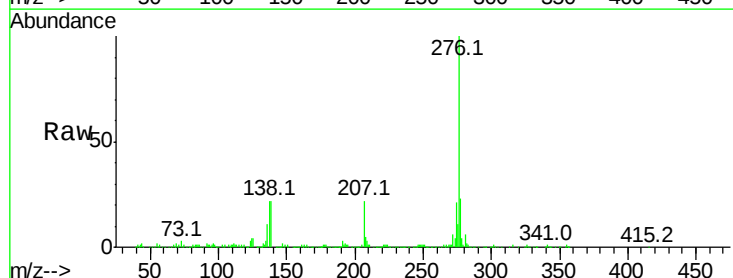
Tgt Ion:276 Resp: 554878

Ion Ratio Lower Upper

276 100

138 22.1 19.0 28.4

277 22.6 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

