

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026321.D
 Acq On : 18 Mar 2017 16:54
 Operator : SJ/MA
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02033

Quant Time: Mar 20 03:25:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

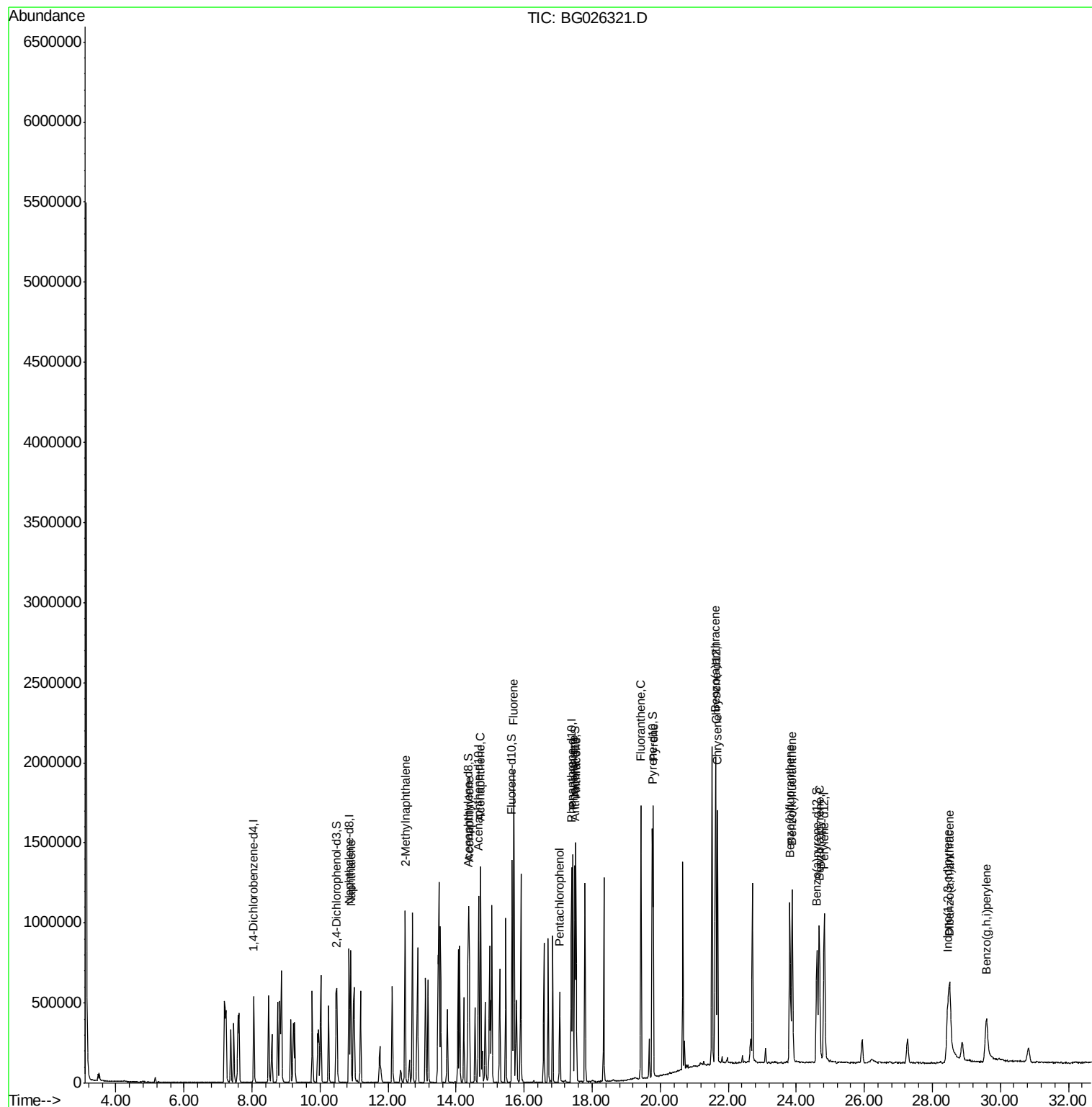
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	166507	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	766371	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	422885	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	868245	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	882349	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	833183	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	234281	20.64	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	831389	23.06	ng/ul	0.00
10) Fluorene-d10	15.64	176	574978	21.86	ng/ul	0.00
15) Anthracene-d10	17.49	188	795451	20.61	ng/ul	0.00
19) Pyrene-d10	19.77	212	824017	18.30	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	777197	21.63	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.90	128	752967	20.08	ng/ul	98
5) 2-Methylnaphthalene	12.50	142	567805	20.42	ng/ul	99
8) Acenaphthylene	14.39	152	830505	22.55	ng/ul	100
9) Acenaphthene	14.72	153	577600	22.19	ng/ul	99
11) Fluorene	15.70	166	637227	21.69	ng/ul	99
13) Pentachlorophenol	17.05	266	114587	20.58	ng/uL	99
14) Phenanthrene	17.43	178	930393	20.22	ng/ul	99
16) Anthracene	17.52	178	947160	20.38	ng/ul	99
17) Fluoranthene	19.43	202	1025352	21.47	ng/ul	99
20) Pyrene	19.79	202	1028471	18.31	ng/ul	98
21) Benzo(a)anthracene	21.62	228	994207	20.25	ng/ul	98
22) Chrysene	21.68	228	931570	20.33	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	983861	20.80	ng/ul	100
25) Benzo(k)fluoranthene	23.88	252	980440	21.71	ng/ul	98
27) Benzo(a)pyrene	24.68	252	949444	21.60	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.46	276	430759	8.87	ng/ul	97
29) Dibenzo(a,h)anthracene	28.50	278	758558	19.70	ng/ul	96
30) Benzo(g,h,i)perylene	29.59	276	648801	15.62	ng/ul	97

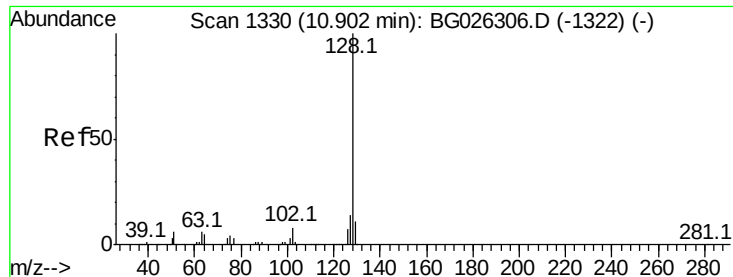
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.08 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

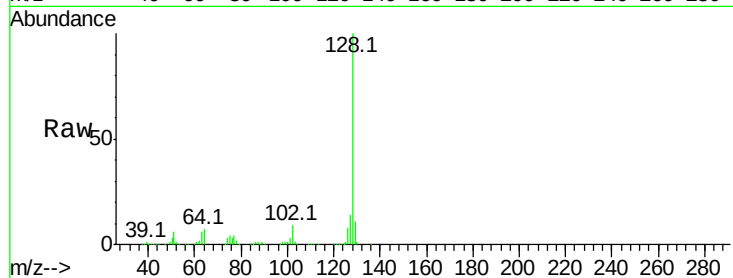
BNA_G

ClientSampleId :

SSTD02033

Tot Ion:128 Resp: 752967

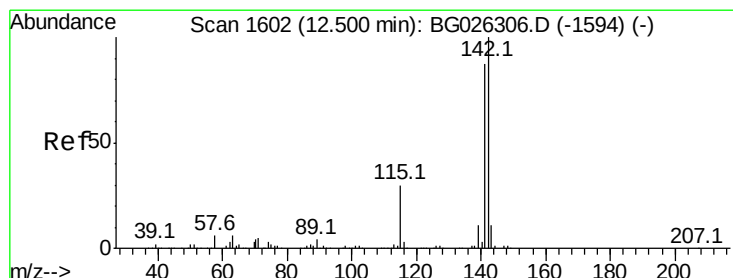
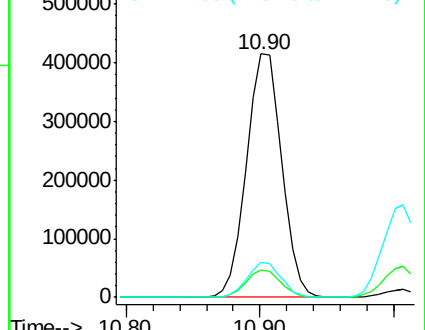
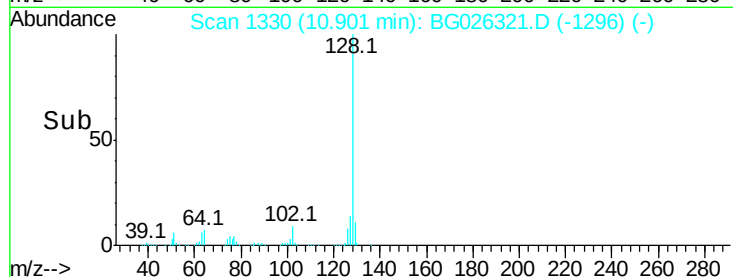
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	14.2	10.6	15.8



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: 20.42 ng/ul

RT: 12.50 min Scan# 1602

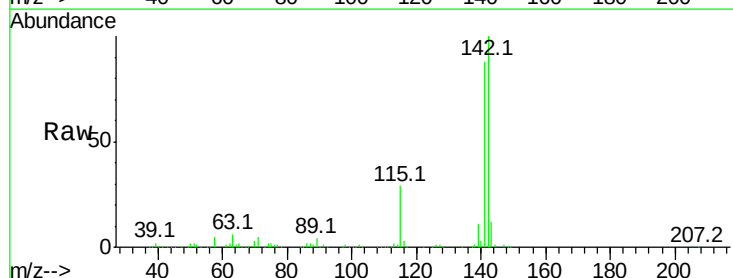
Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

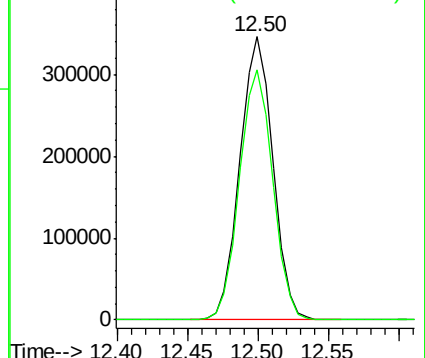
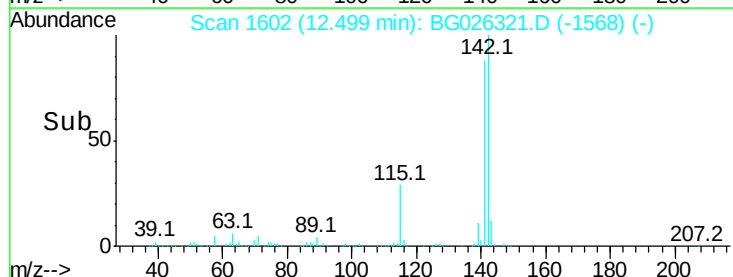
Tgt Ion:142 Resp: 567805

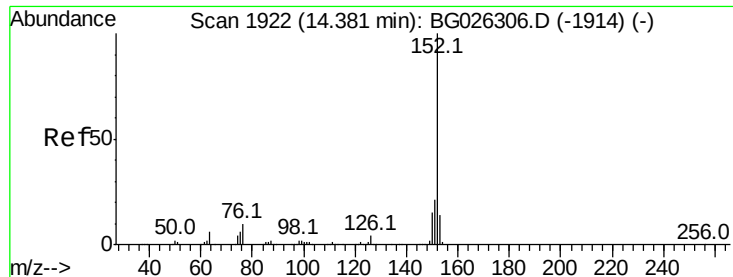
Ion	Ratio	Lower	Upper
142	100		
141	88.3	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 22.55 ng/ul

RT: 14.39 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

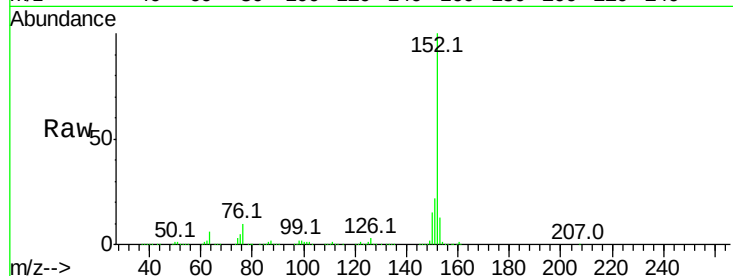
Tot Ion:152 Resp: 830505

Ion Ratio Lower Upper

152 100

151 21.7 17.5 26.3

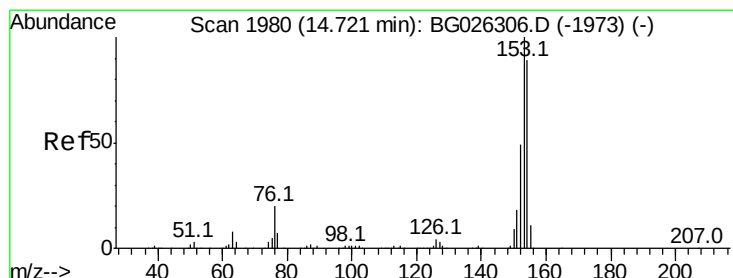
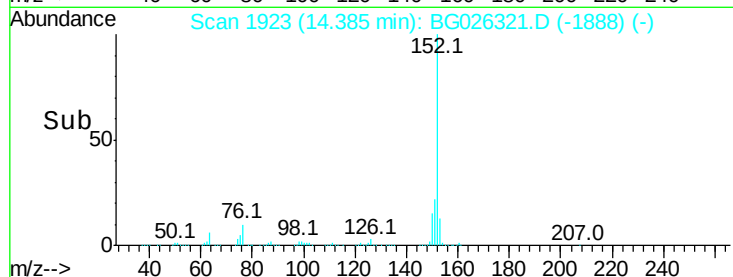
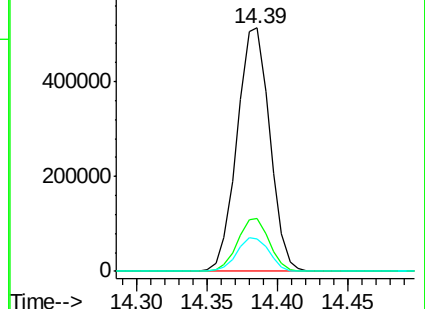
153 13.5 10.6 16.0



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: 22.19 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

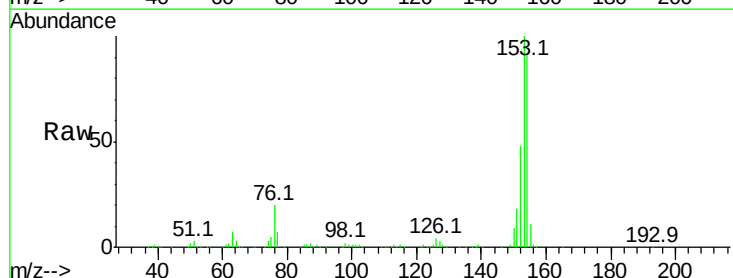
Tgt Ion:153 Resp: 577600

Ion Ratio Lower Upper

153 100

152 48.4 37.9 56.9

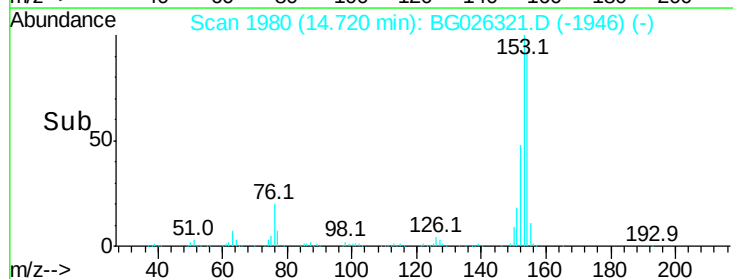
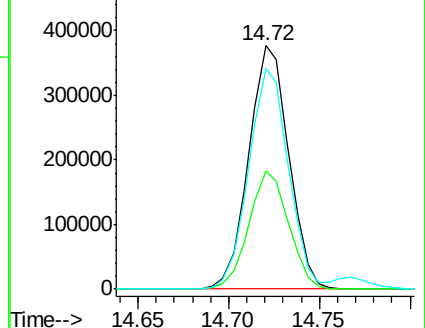
154 90.7 71.6 107.4

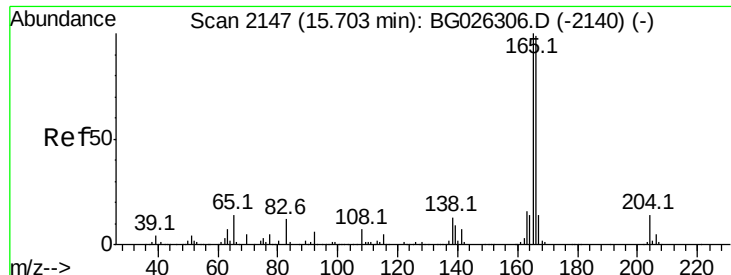


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 21.69 ng/ul

RT: 15.70 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

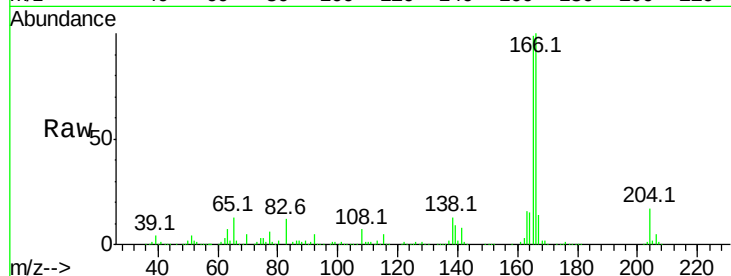
Tot Ion:166 Resp: 637227

Ion Ratio Lower Upper

166 100

165 98.7 80.0 120.0

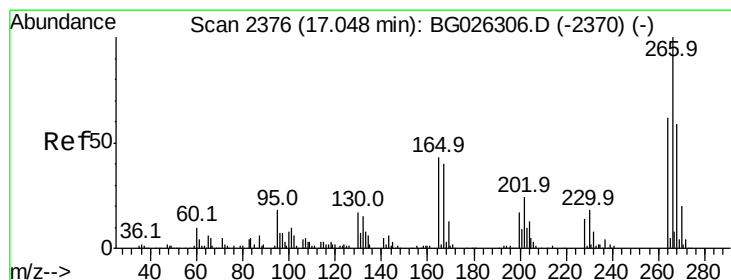
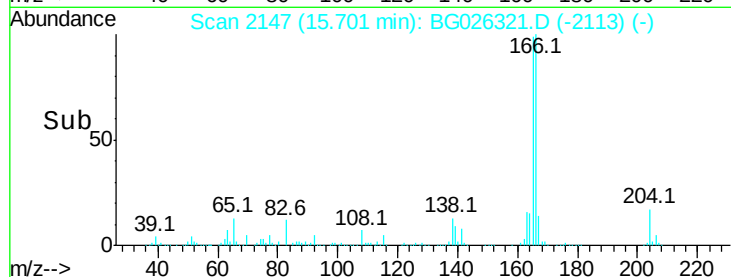
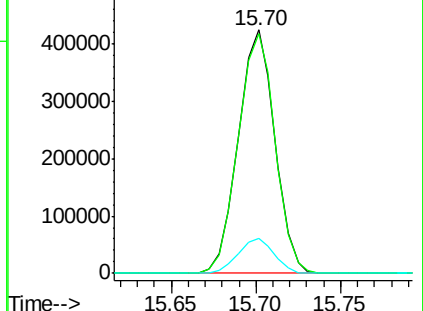
167 14.4 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 20.58 ng/uL

RT: 17.05 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

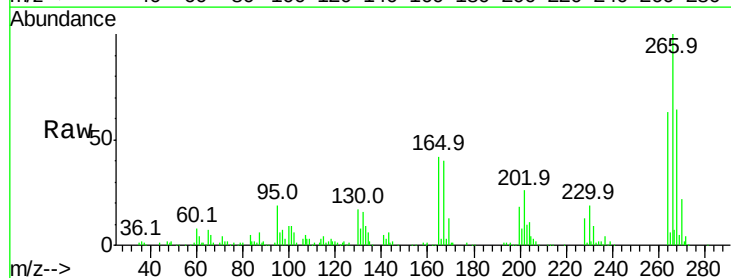
Tgt Ion:266 Resp: 114587

Ion Ratio Lower Upper

266 100

264 62.9 52.0 78.0

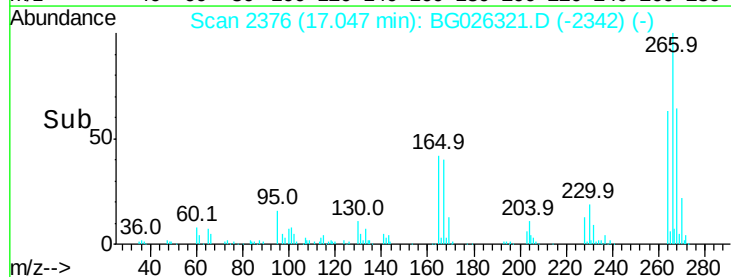
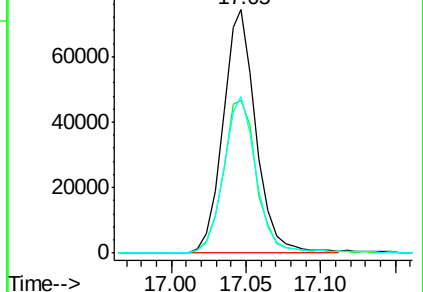
268 64.1 51.2 76.8

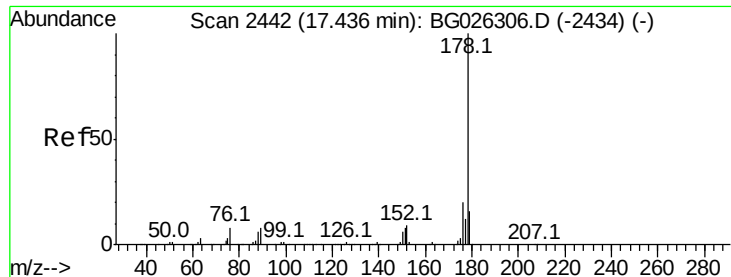


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.22 ng/ul

RT: 17.43 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

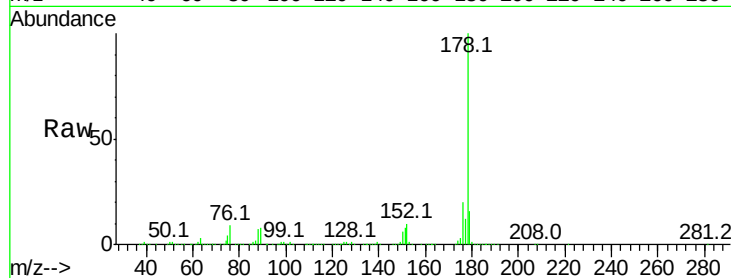
Tot Ion:178 Resp: 930393

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

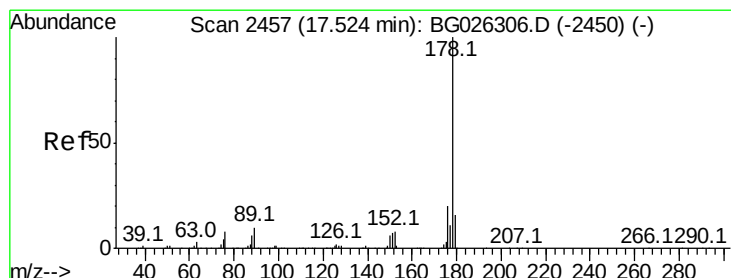
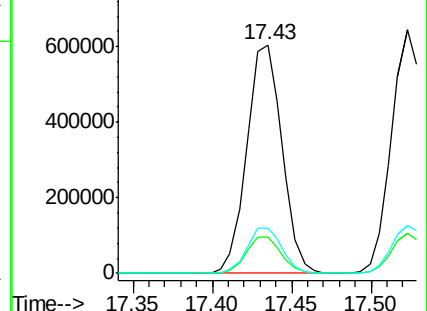
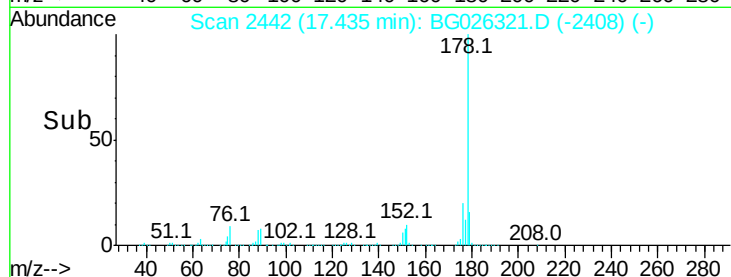
176 20.0 16.4 24.6



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

Anthracene

Concen: 20.38 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

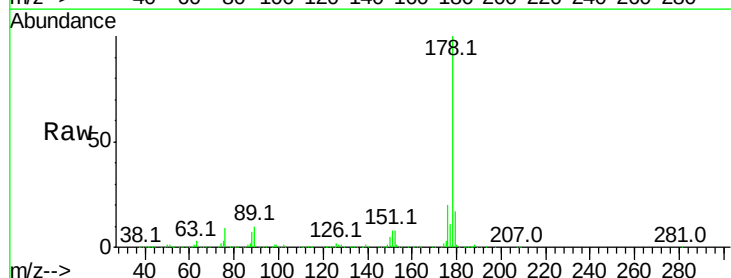
Tgt Ion:178 Resp: 947160

Ion Ratio Lower Upper

178 100

179 16.7 12.7 19.1

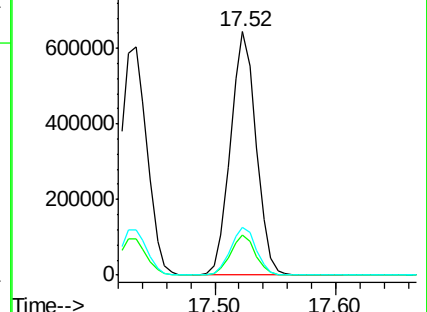
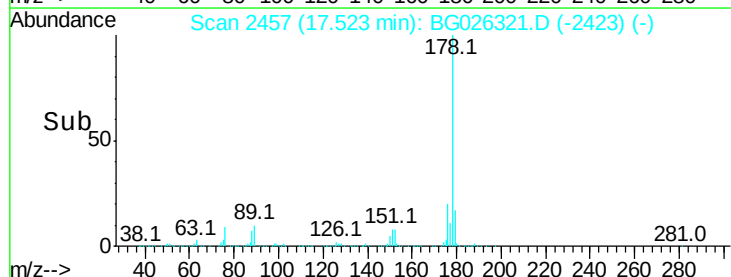
176 19.9 15.8 23.8

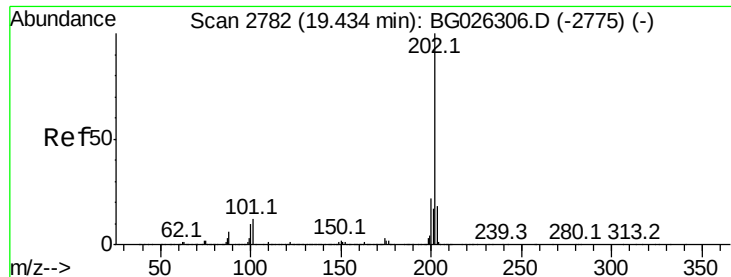


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

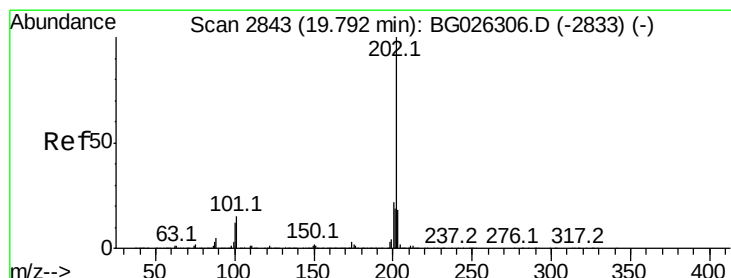
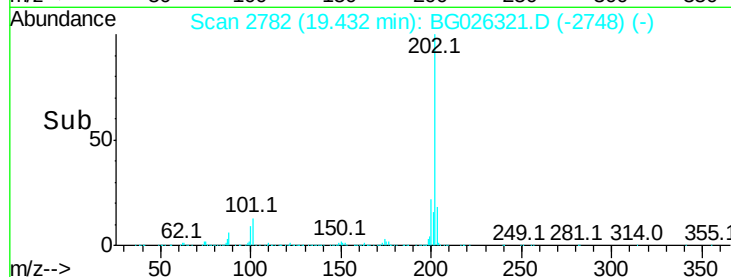
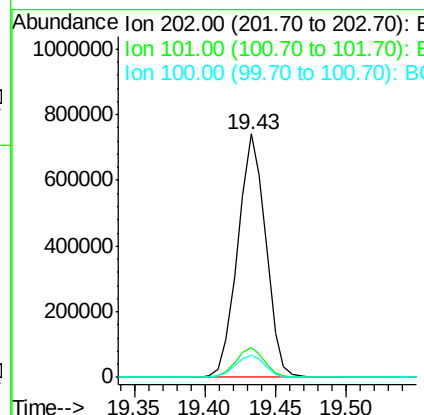
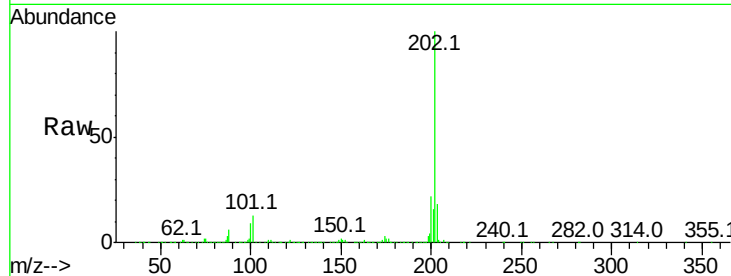




#17
 Fluoranthene
 Concen: 21.47 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.00 min
 Lab File: BG026321.D
 Acq: 18 Mar 2017 16:54

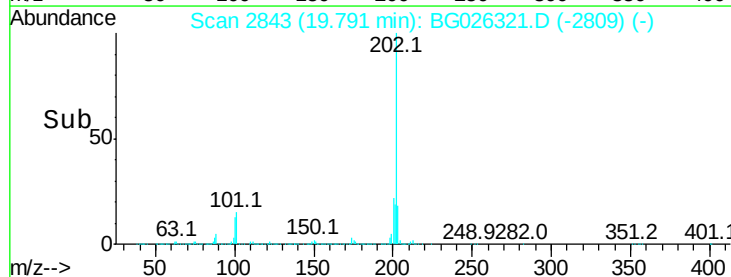
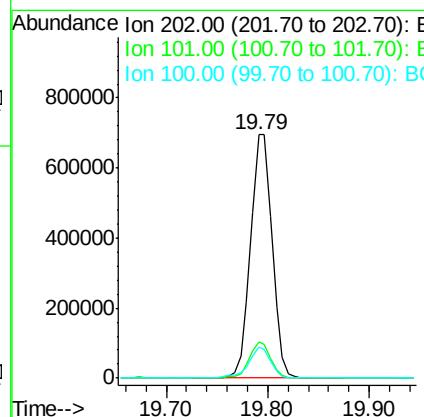
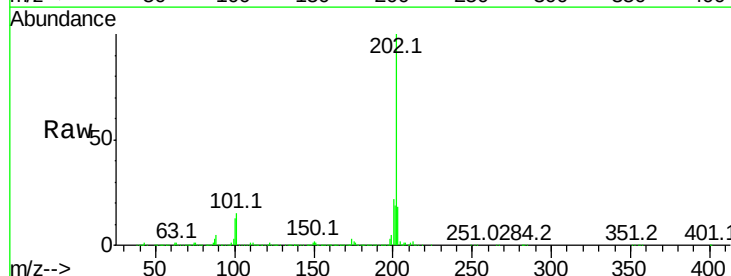
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02033

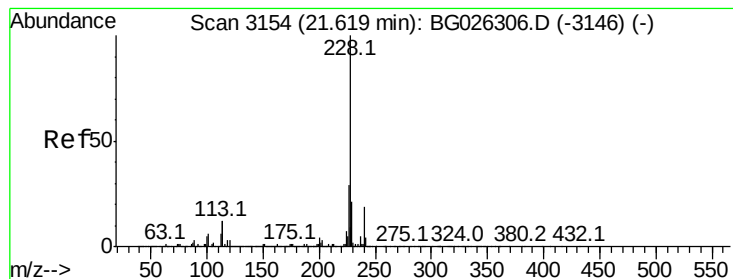
Tot Ion:202 Resp: 1025352
 Ion Ratio Lower Upper
 202 100
 101 12.5 9.8 14.8
 100 9.2 7.5 11.3



#20
 Pyrene
 Concen: 18.31 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. -0.00 min
 Lab File: BG026321.D
 Acq: 18 Mar 2017 16:54

Tgt Ion:202 Resp: 1028471
 Ion Ratio Lower Upper
 202 100
 101 14.8 11.2 16.8
 100 13.0 9.8 14.6





#21

Benzo(a)anthracene

Concen: 20.25 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

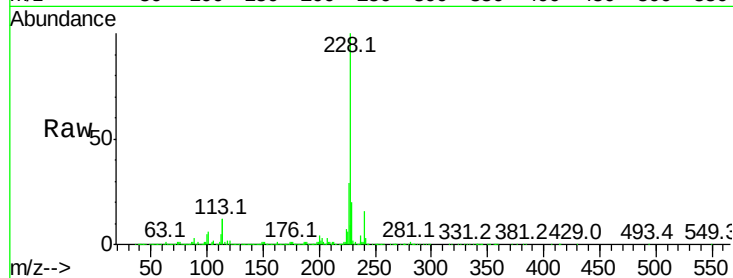
Tot Ion:228 Resp: 994207

Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	29.3	22.1	33.1

228 100

229 20.3 15.9 23.9

226 29.3 22.1 33.1

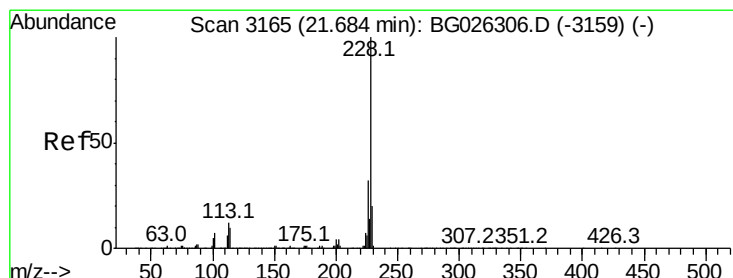
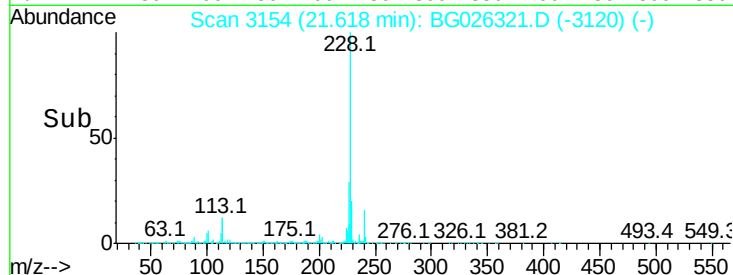
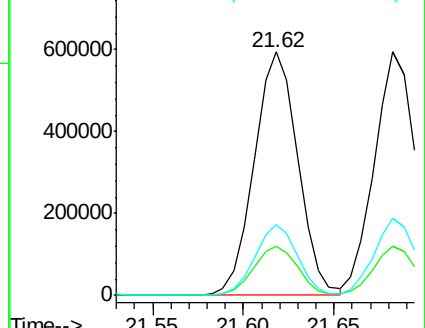


Abundance

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: 20.33 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

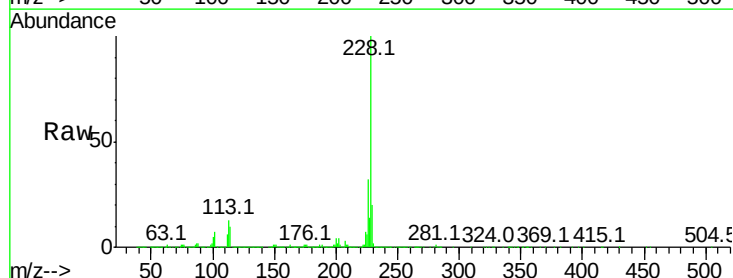
Tgt Ion:228 Resp: 931570

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	20.4	16.6	25.0

228 100

226 31.7 25.0 37.6

229 20.4 16.6 25.0

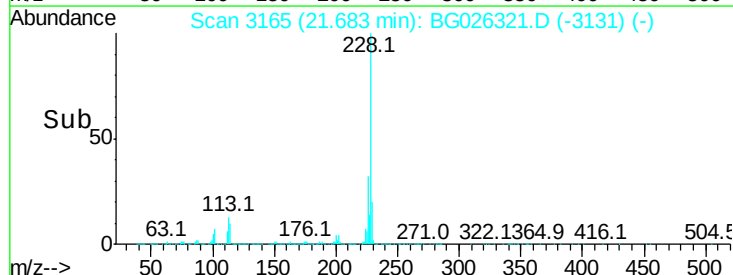
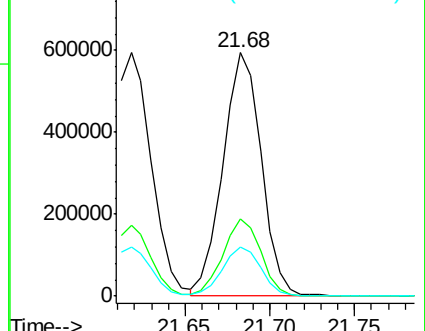


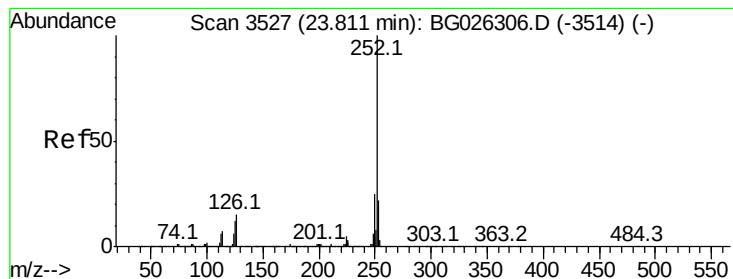
Abundance

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: 20.80 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

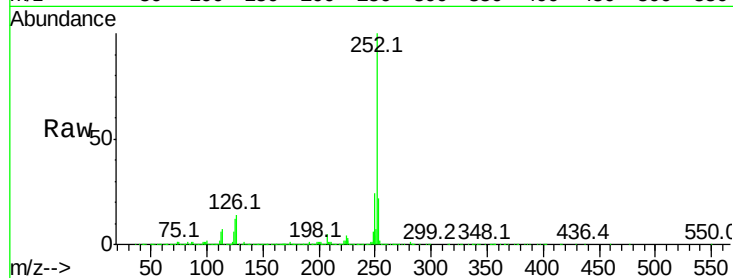
Tot Ion:252 Resp: 983861

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

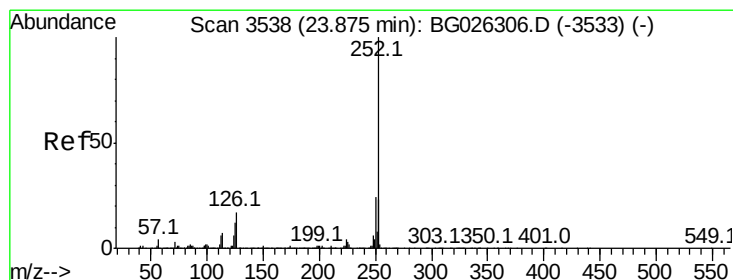
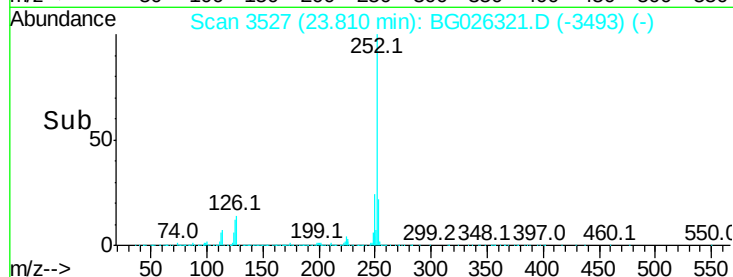
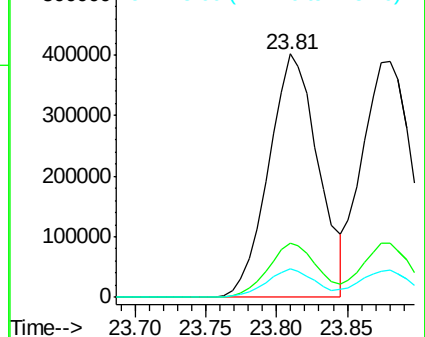
125 11.6 9.4 14.0



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: 21.71 ng/ul

RT: 23.88 min Scan# 3539

Delta R.T. 0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

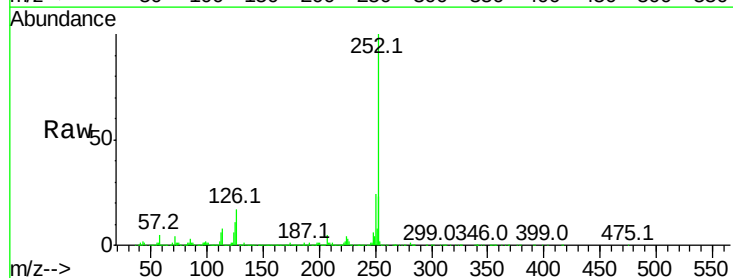
Tgt Ion:252 Resp: 980440

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

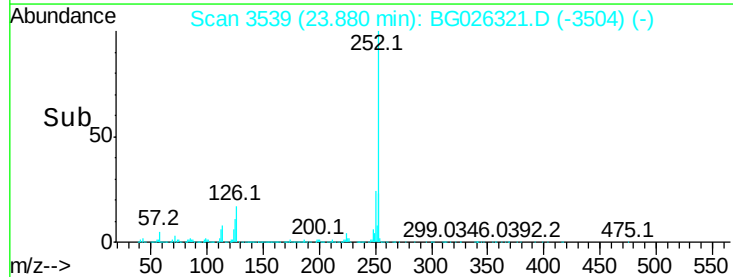
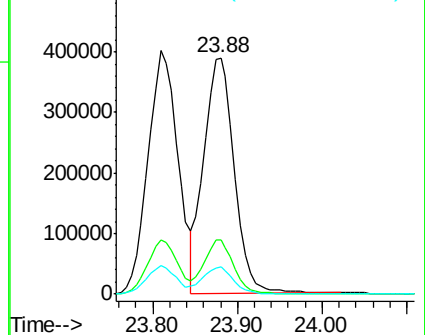
125 11.3 8.8 13.2

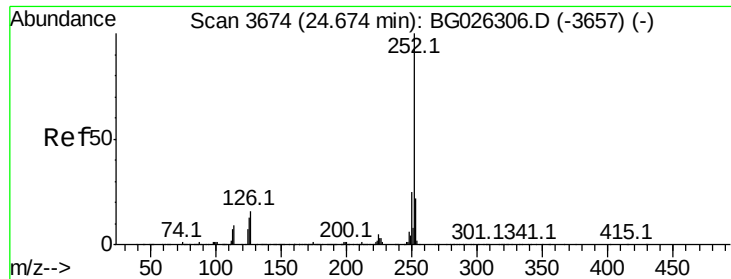


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 21.60 ng/ul

RT: 24.68 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

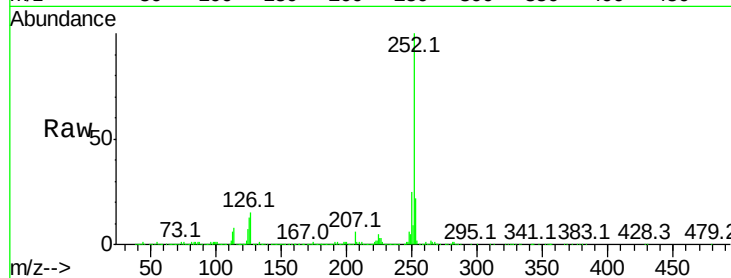
Tot Ion:252 Resp: 949444

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

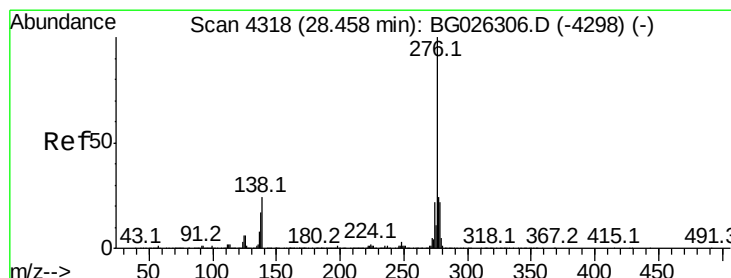
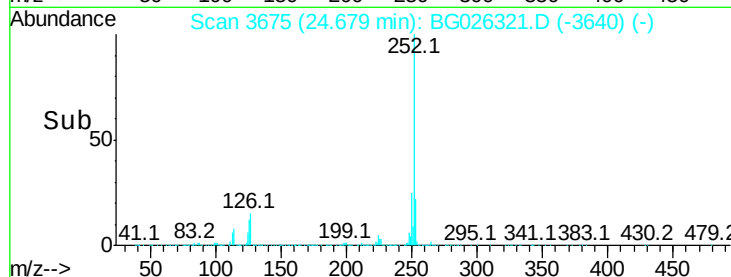
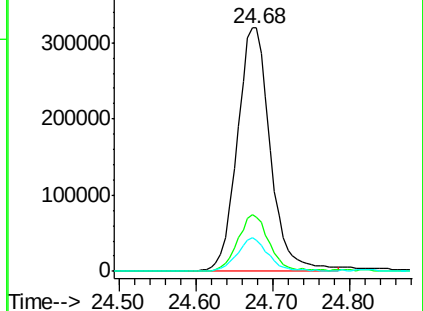
125 12.6 9.4 14.2



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: 8.87 ng/ul

RT: 28.46 min Scan# 4318

Delta R.T. -0.00 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

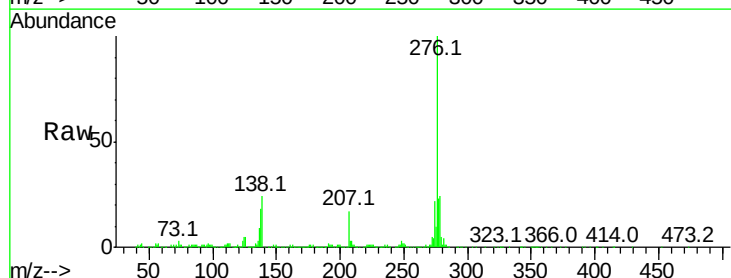
Tgt Ion:276 Resp: 430759

Ion Ratio Lower Upper

276 100

138 24.2 17.8 26.6

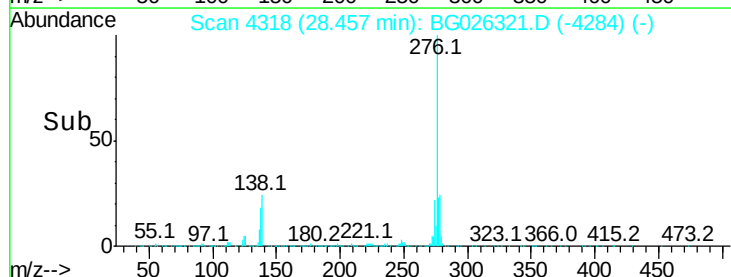
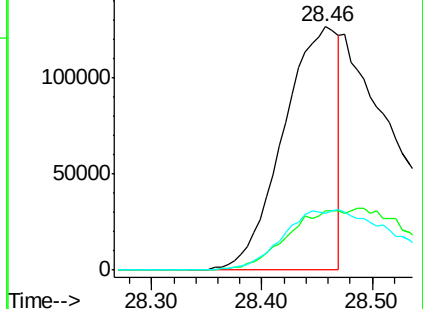
277 23.4 19.4 29.0

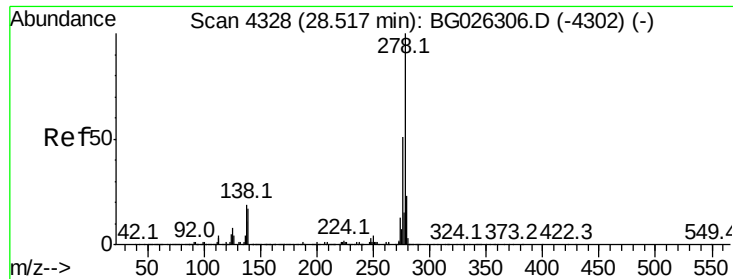


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.70 ng/ul

RT: 28.50 min Scan# 4326

Delta R.T. -0.01 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

Instrument :

BNA_G

ClientSampleId :

SSTD02033

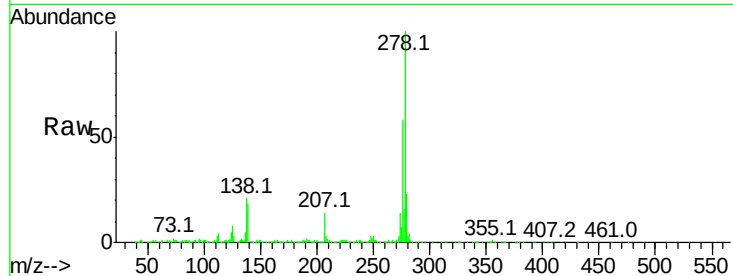
Tot Ion:278 Resp: 758558

Ion Ratio Lower Upper

278 100

139 17.7 14.0 21.0

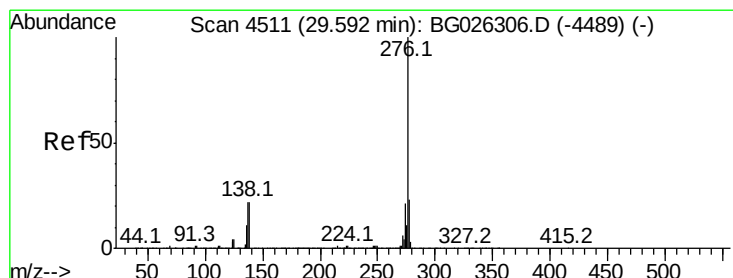
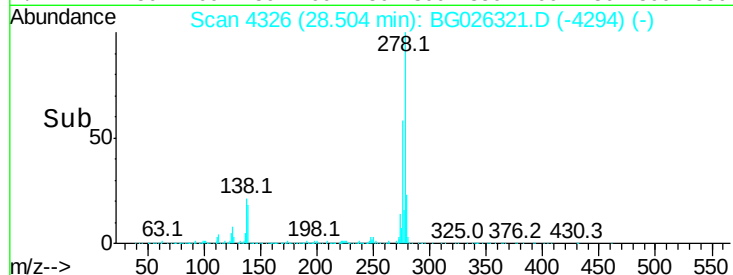
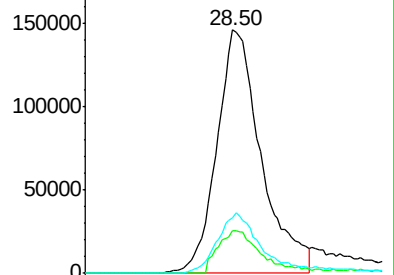
279 22.9 20.6 31.0



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: 15.62 ng/ul

RT: 29.59 min Scan# 4510

Delta R.T. -0.01 min

Lab File: BG026321.D

Acq: 18 Mar 2017 16:54

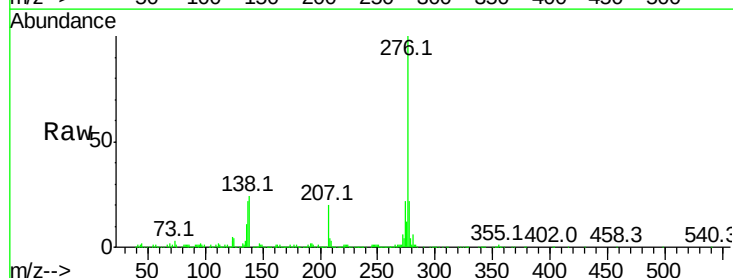
Tgt Ion:276 Resp: 648801

Ion Ratio Lower Upper

276 100

138 23.8 19.0 28.4

277 22.2 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

