

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030917\
 Data File : BG026143.D
 Acq On : 9 Mar 2017 10:44
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02016

Quant Time: Mar 15 05:44:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 05:41:00 2017
 Response via : Initial Calibration

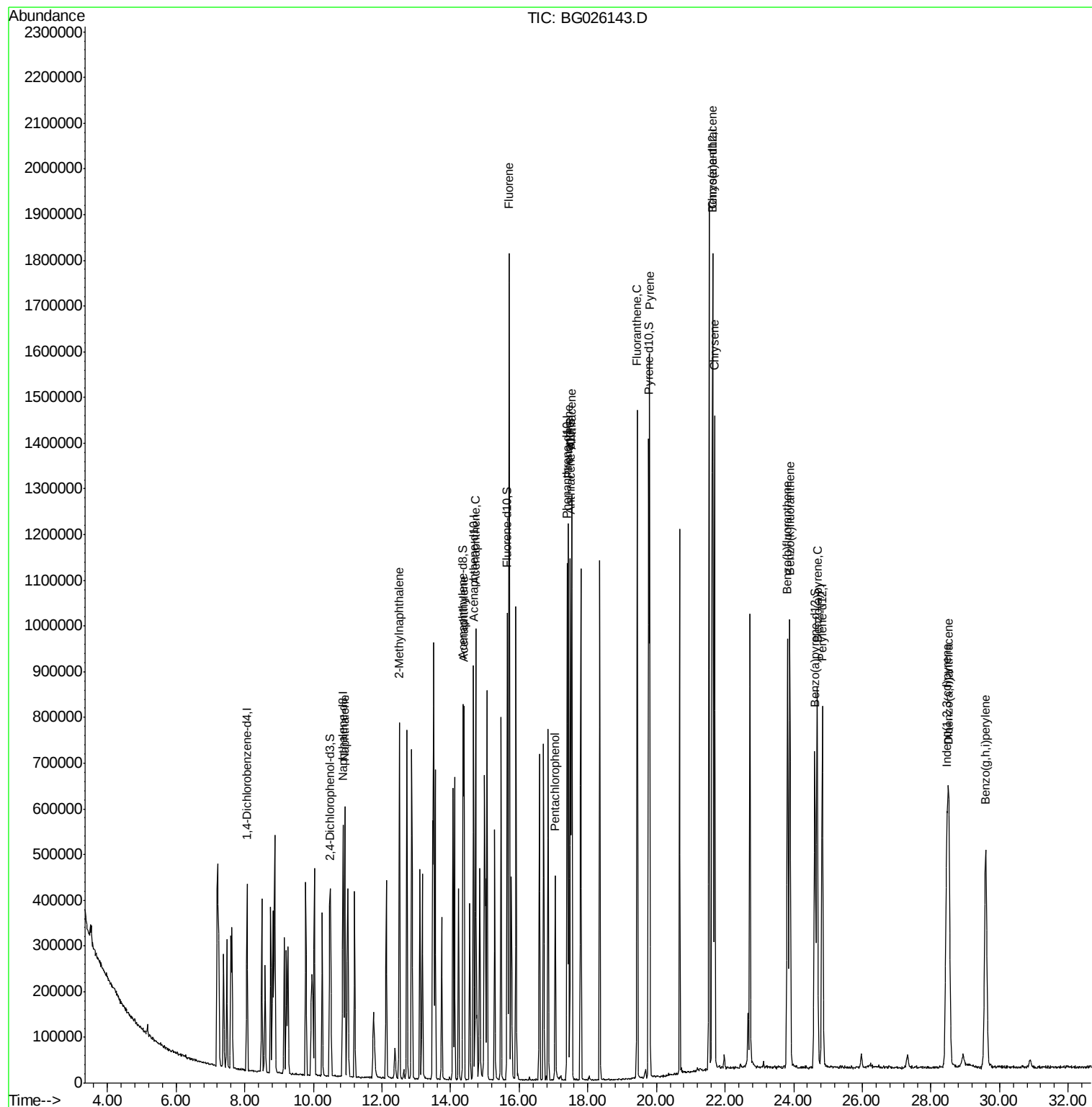
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	118040	20.00	ng/ul	0.00
2) Naphthalene-d8	10.87	136	528997	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	310224	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	734096	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	808636	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	793277	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	157749	20.13	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	618119	23.37	ng/ul	0.00
10) Fluorene-d10	15.65	176	445110	23.07	ng/ul	0.00
15) Anthracene-d10	17.50	188	687284	21.07	ng/ul	0.00
19) Pyrene-d10	19.77	212	756002	18.32	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.62	264	710418	20.76	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	522383	20.19	ng/ul	99
5) 2-Methylnaphthalene	12.51	142	402621	20.98	ng/ul	99
8) Acenaphthylene	14.39	152	615987	22.80	ng/ul	99
9) Acenaphthene	14.73	153	432903	22.67	ng/ul	100
11) Fluorene	15.71	166	496997	23.06	ng/ul	98
13) Pentachlorophenol	17.05	265	5156	18.81	ng/uL	88
14) Phenanthrene	17.44	178	799757	20.56	ng/ul	99
16) Anthracene	17.53	178	825242	21.00	ng/ul	99
17) Fluoranthene	19.44	202	928572	22.99	ng/ul	99
20) Pyrene	19.80	202	937287	18.21	ng/ul	99
21) Benzo(a)anthracene	21.63	228	912749	20.28	ng/ul	99
22) Chrysene	21.69	228	861964	20.53	ng/ul	100
24) Benzo(b)fluoranthene	23.82	252	905923	20.11	ng/ul	99
25) Benzo(k)fluoranthene	23.89	252	901807	20.97	ng/ul	98
27) Benzo(a)pyrene	24.69	252	903820	21.60	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.46	276	1060756	22.75	ng/ul	99
29) Dibenzo(a,h)anthracene	28.52	278	868945	23.71	ng/ul	98
30) Benzo(g,h,i)perylene	29.60	276	873956	21.98	ng/ul	96

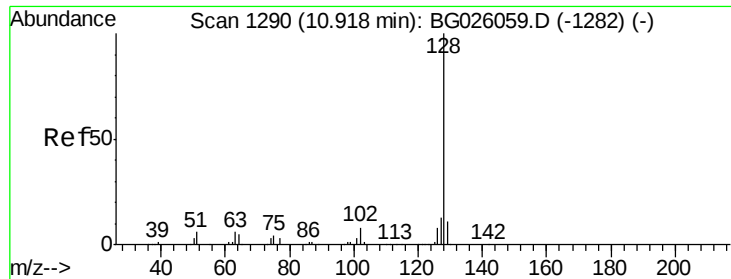
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.19 ng/ul

RT: 10.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

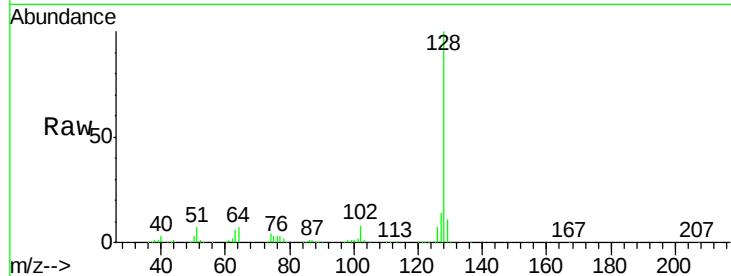
Tot Ion:128 Resp: 522383

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

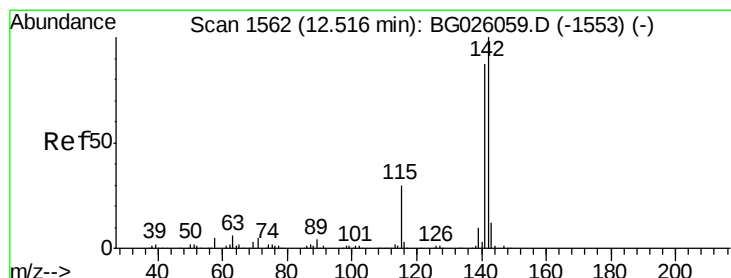
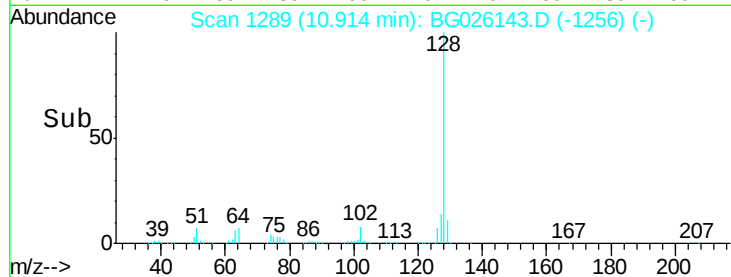
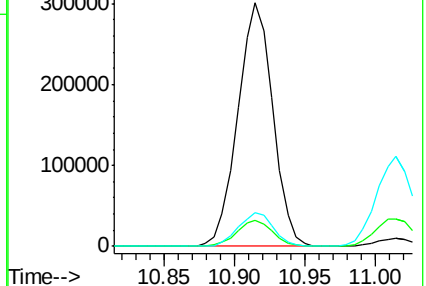
127 13.7 10.6 15.8



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: 20.98 ng/ul

RT: 12.51 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BG026143.D

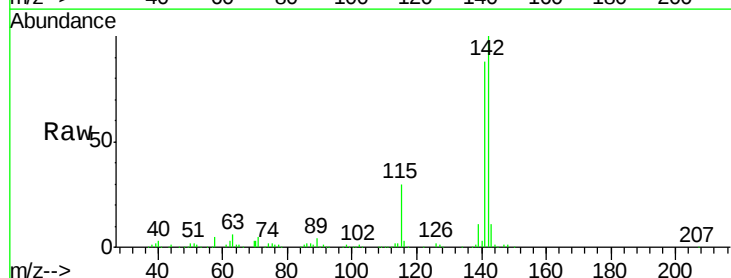
Acq: 9 Mar 2017 10:44

Tgt Ion:142 Resp: 402621

Ion Ratio Lower Upper

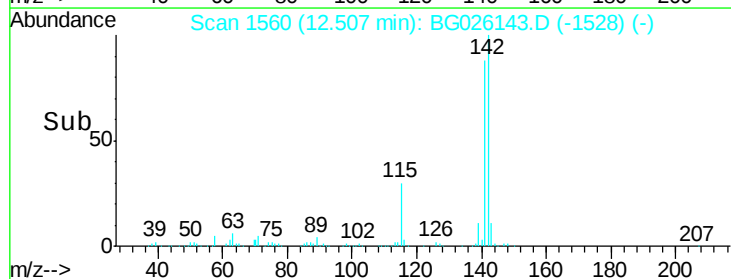
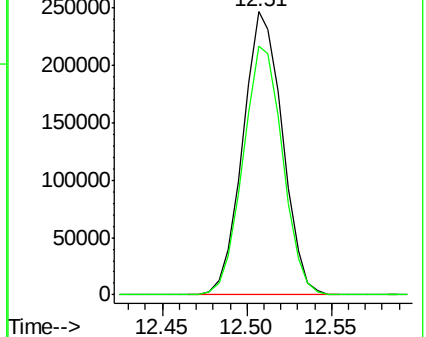
142 100

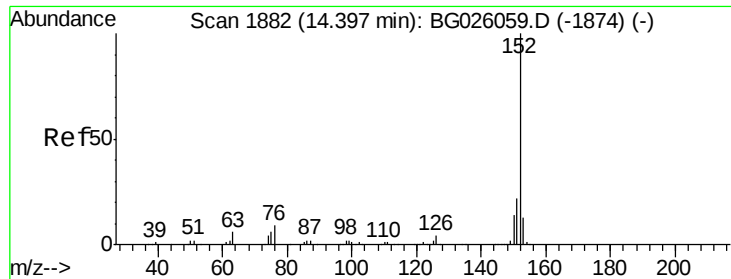
141 87.8 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 22.80 ng/ul

RT: 14.39 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

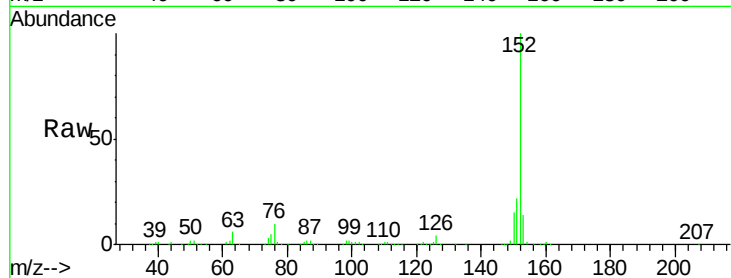
Tot Ion:152 Resp: 615987

Ion Ratio Lower Upper

152 100

151 21.9 17.5 26.3

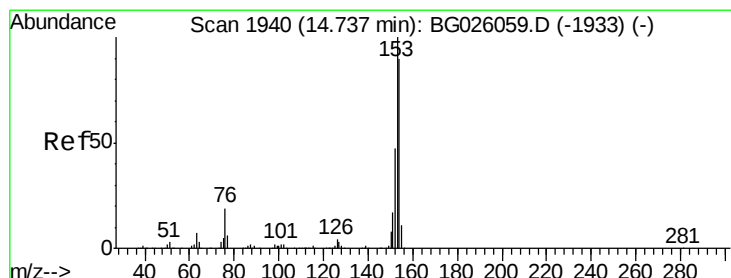
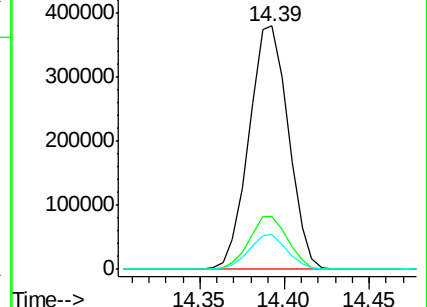
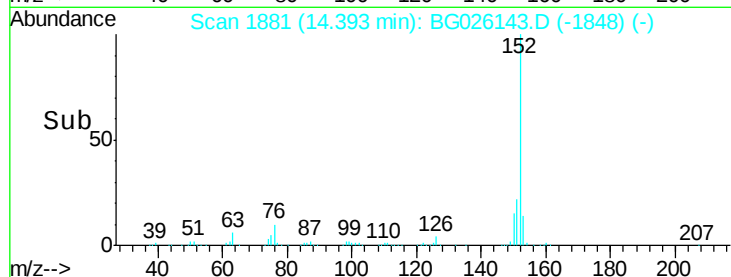
153 14.2 10.6 16.0



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: 22.67 ng/ul

RT: 14.73 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

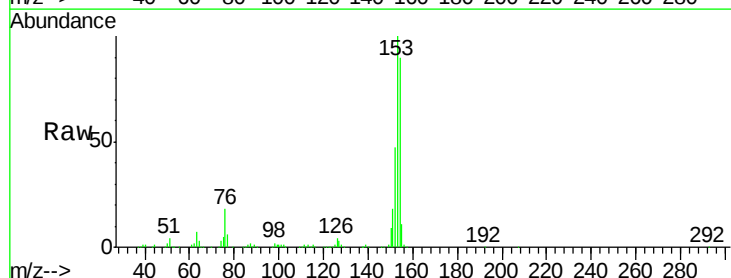
Tgt Ion:153 Resp: 432903

Ion Ratio Lower Upper

153 100

152 46.7 37.9 56.9

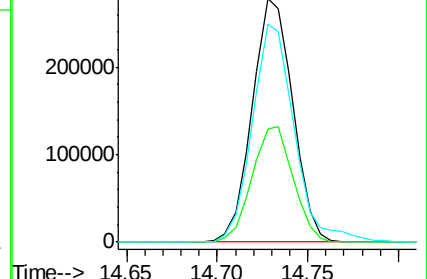
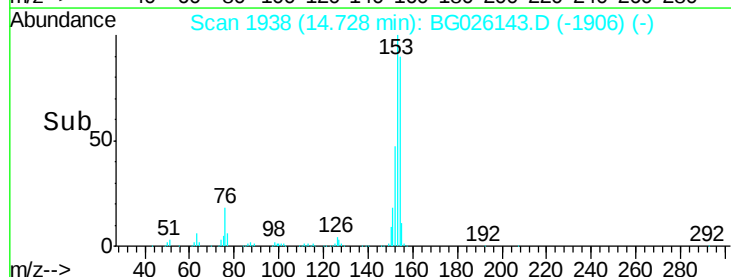
154 89.5 71.6 107.4

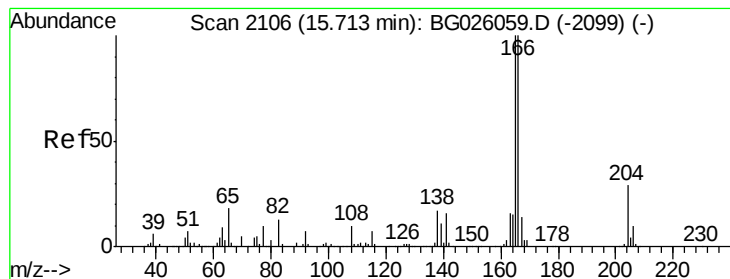


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 23.06 ng/uL

RT: 15.71 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

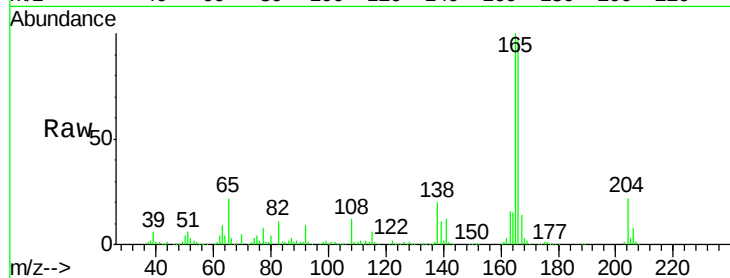
Tot Ion:166 Resp: 496997

Ion Ratio Lower Upper

166 100

165 102.6 80.0 120.0

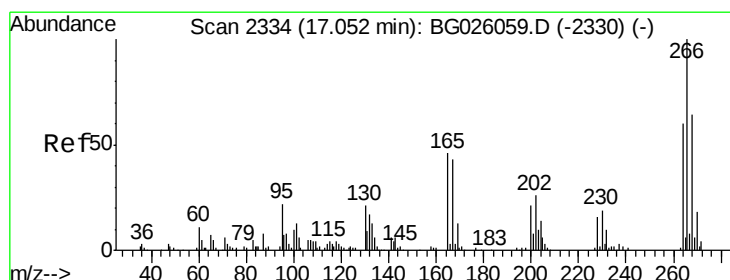
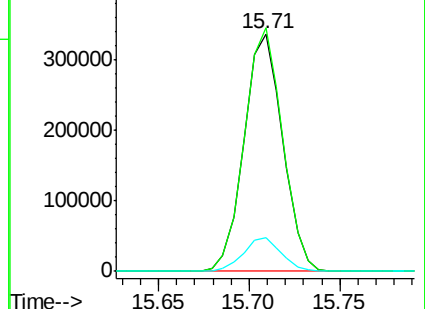
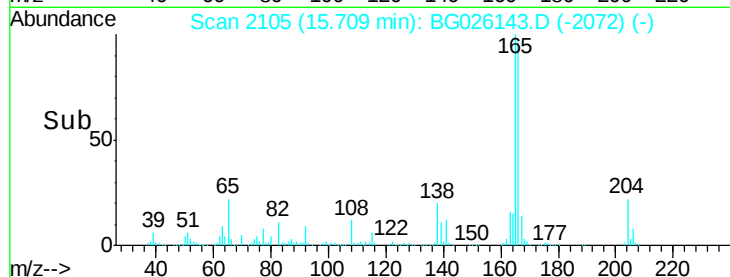
167 14.4 11.6 17.4



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: 18.81 ng/uL

RT: 17.05 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

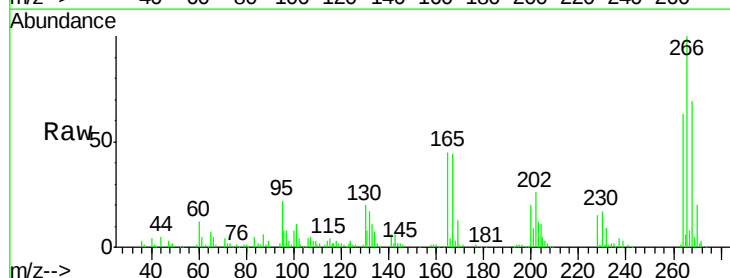
Tgt Ion:265 Resp: 5156

Ion Ratio Lower Upper

265 100

264 991.3 768.4 1152.6

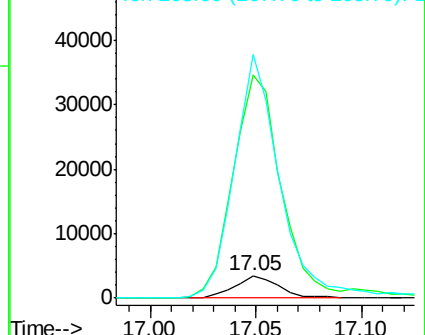
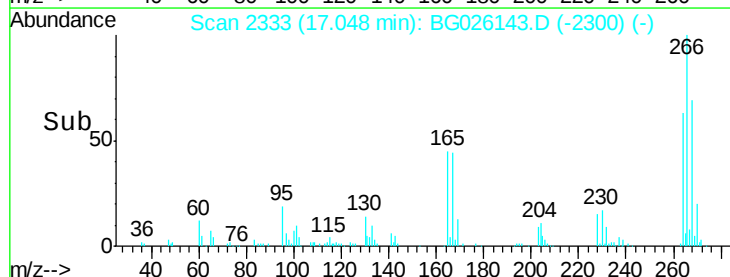
268 1082.3 806.4 1209.6

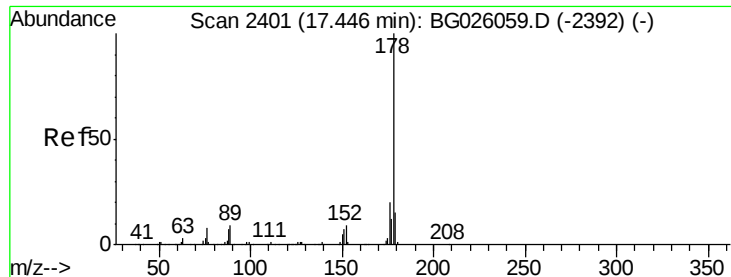


Abundance Ion 265.10 (264.80 to 265.80): E

Ion 264.10 (263.80 to 264.80): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 20.56 ng/ul

RT: 17.44 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

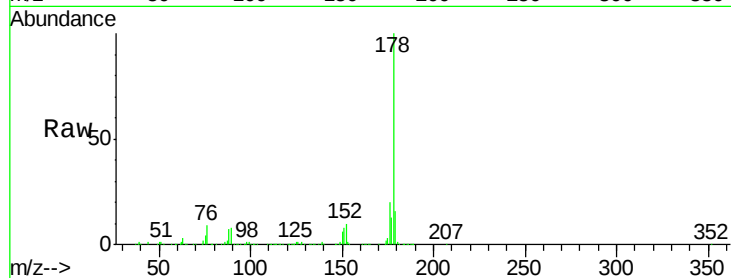
Tot Ion:178 Resp: 799757

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.4

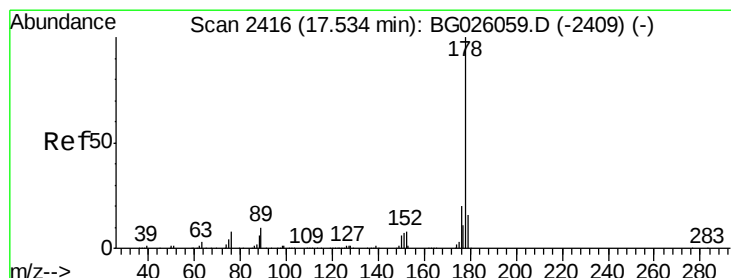
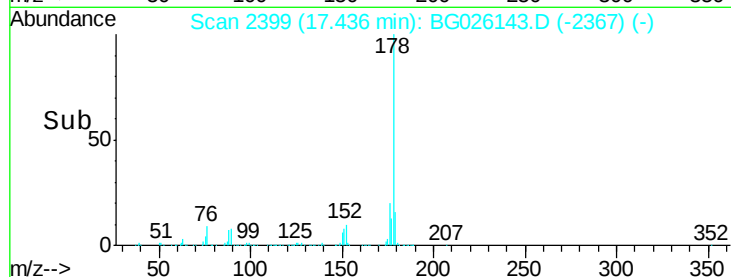
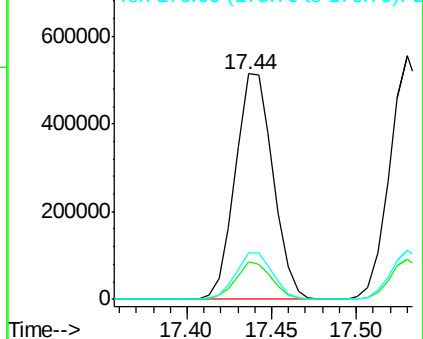
176 20.4 16.4 24.6



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: 21.00 ng/ul

RT: 17.53 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

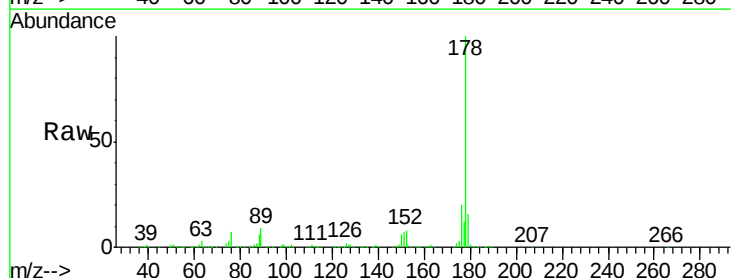
Tgt Ion:178 Resp: 825242

Ion Ratio Lower Upper

178 100

179 16.3 12.7 19.1

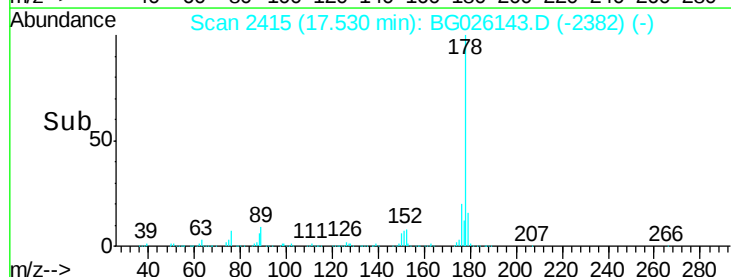
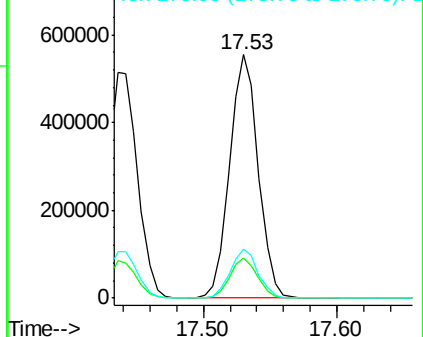
176 20.0 15.8 23.8

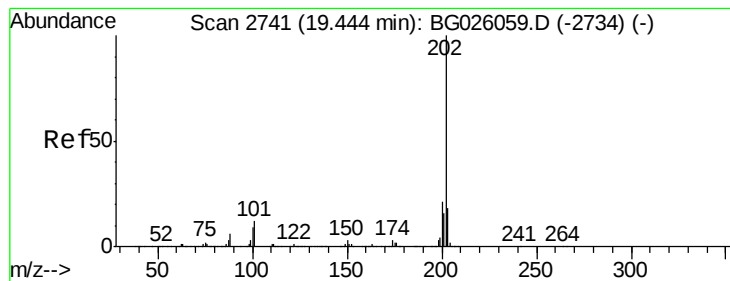


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 22.99 ng/ul

RT: 19.44 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

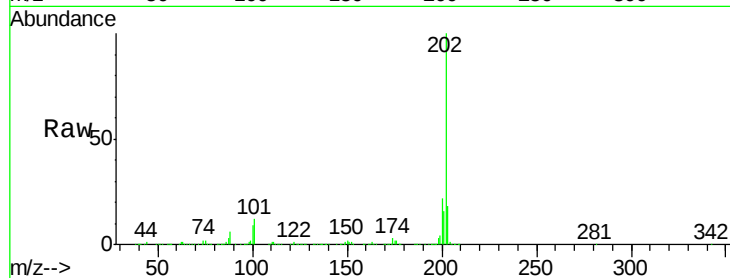
Tot Ion:202 Resp: 928572

Ion Ratio Lower Upper

202 100

101 11.6 9.8 14.8

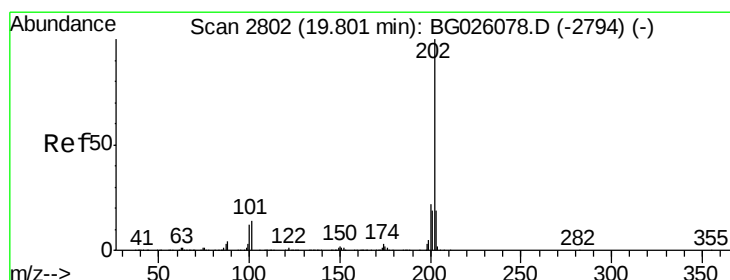
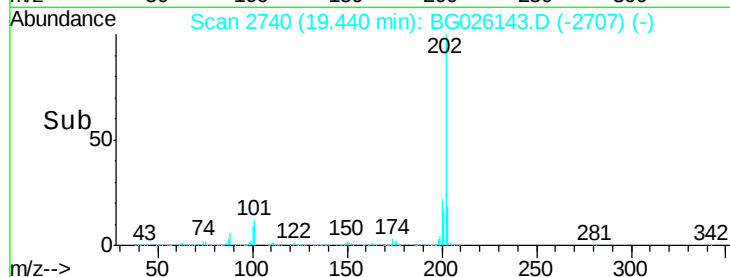
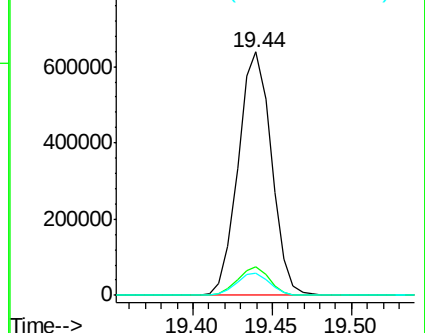
100 9.3 7.5 11.3



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: 18.21 ng/ul

RT: 19.80 min Scan# 2801

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

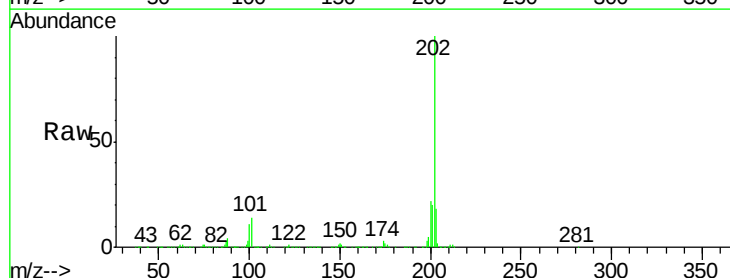
Tgt Ion:202 Resp: 937287

Ion Ratio Lower Upper

202 100

101 14.0 11.2 16.8

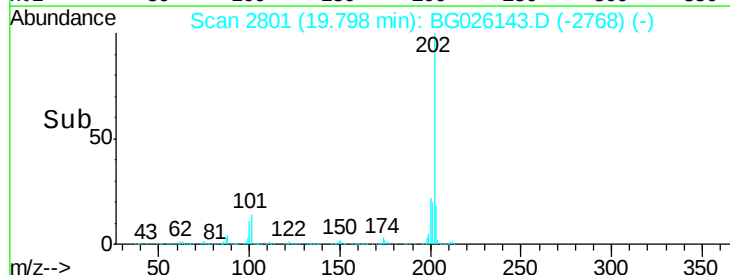
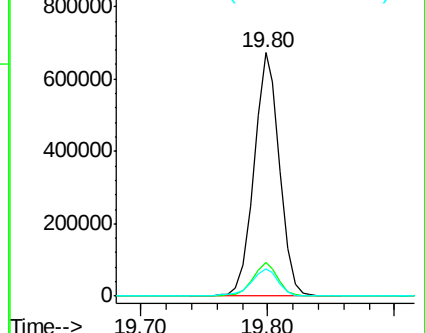
100 11.2 9.8 14.6

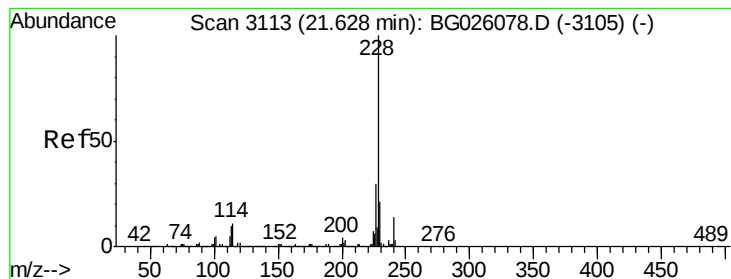


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 20.28 ng/ul

RT: 21.63 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

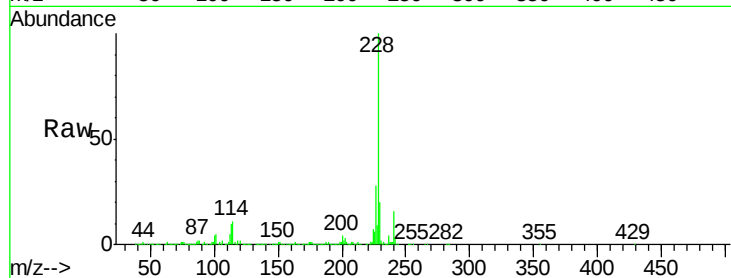
Tot Ion:228 Resp: 912749

Ion Ratio Lower Upper

228 100

229 20.3 15.9 23.9

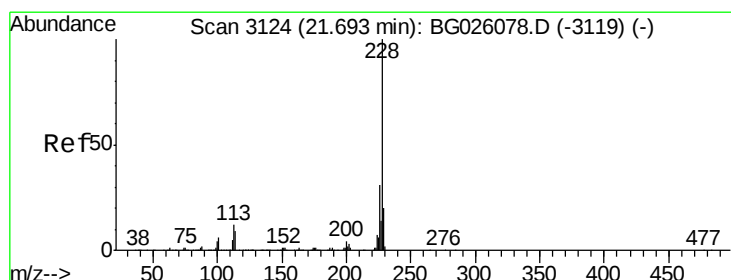
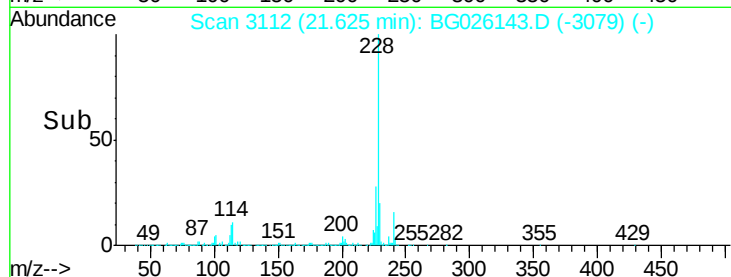
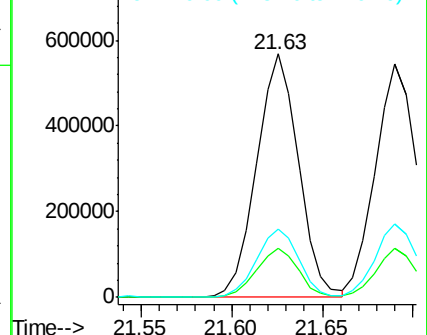
226 28.0 22.1 33.1



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: 20.53 ng/ul

RT: 21.69 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

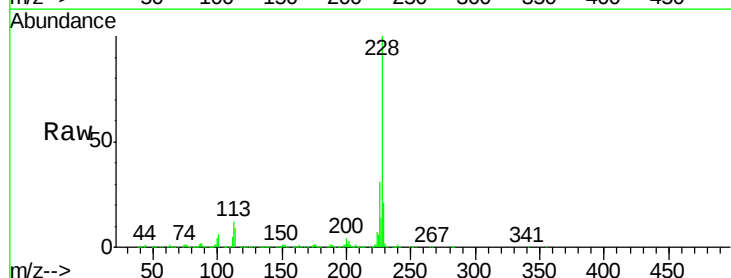
Tgt Ion:228 Resp: 861964

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

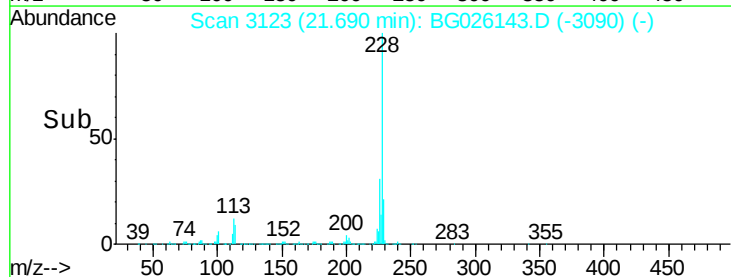
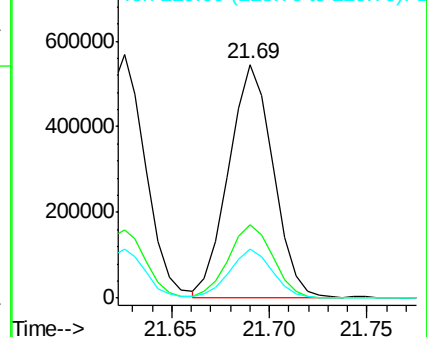
229 20.9 16.6 25.0

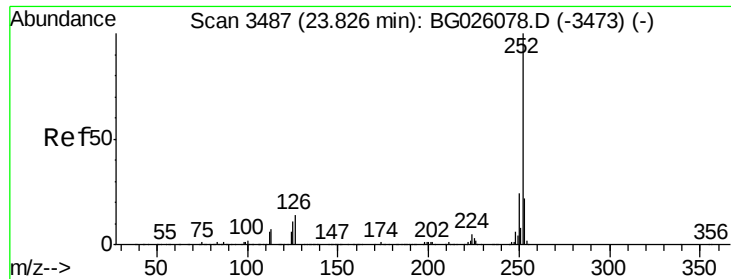


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

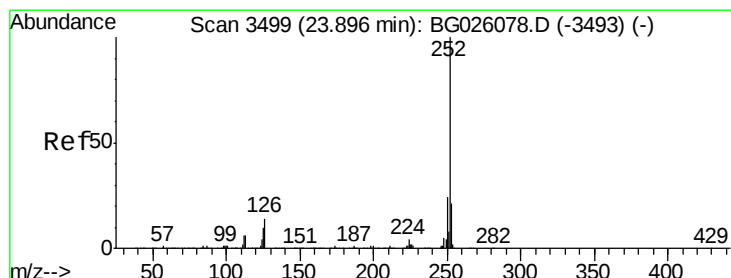
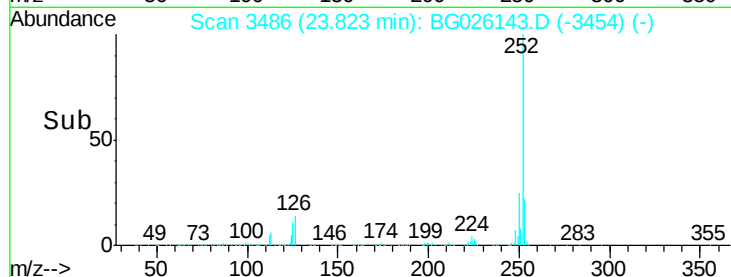
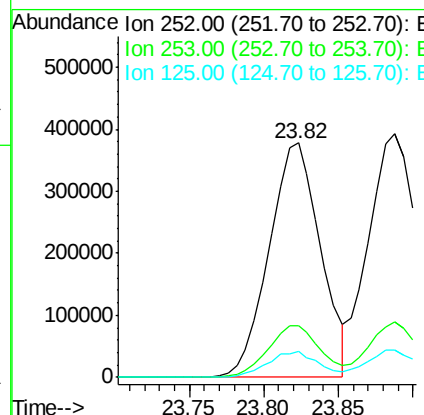
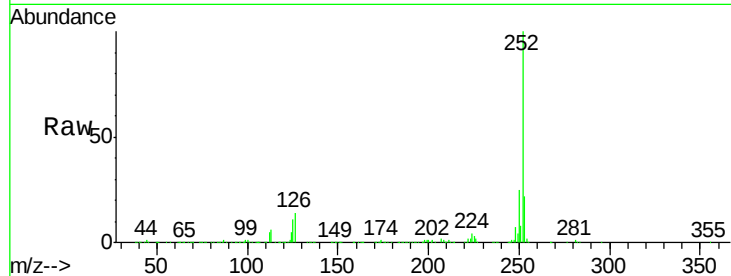




#24
Benzo(b)fluoranthene
Concen: 20.11 ng/ul
RT: 23.82 min Scan# 3486
Delta R.T. -0.01 min
Lab File: BG026143.D
Acq: 9 Mar 2017 10:44

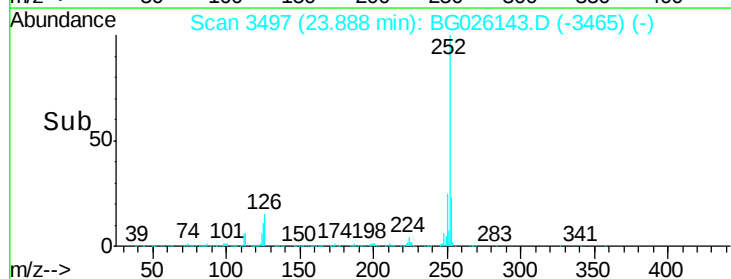
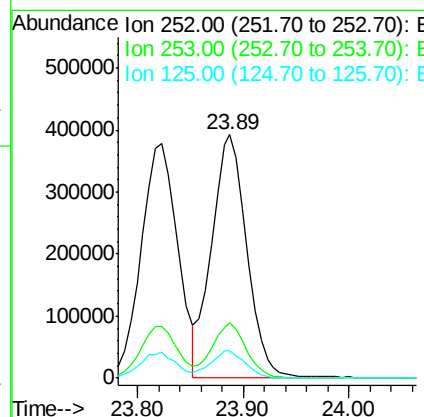
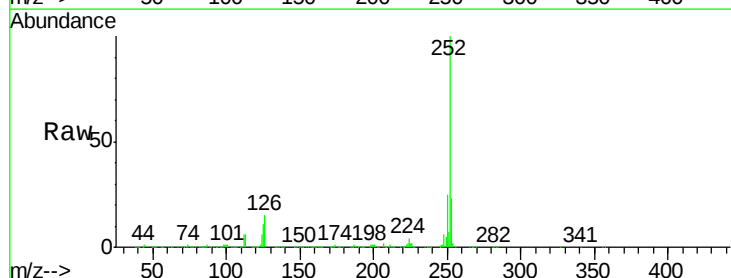
Instrument :
BNA_G
ClientSampleId :
SSTD02016

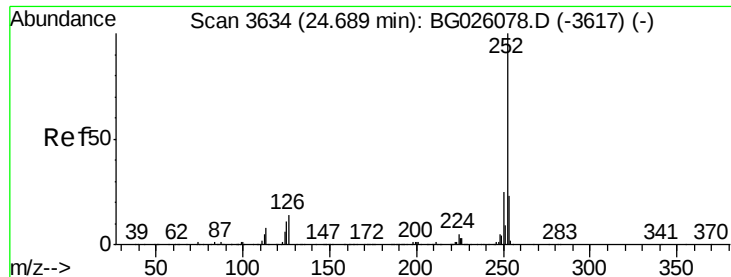
Tot Ion:252 Resp: 905923
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 11.2 9.4 14.0



#25
Benzo(k)fluoranthene
Concen: 20.97 ng/ul
RT: 23.89 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BG026143.D
Acq: 9 Mar 2017 10:44

Tgt Ion:252 Resp: 901807
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.3 8.8 13.2

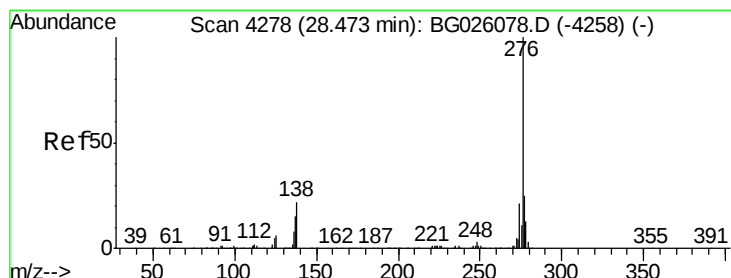
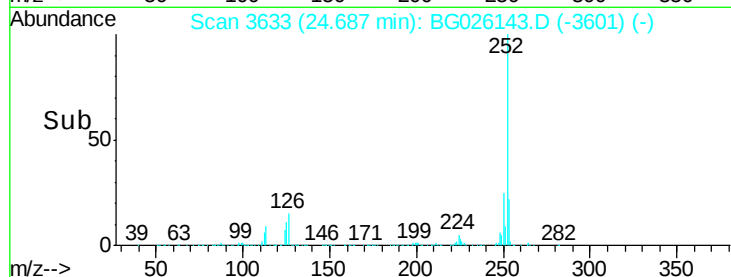
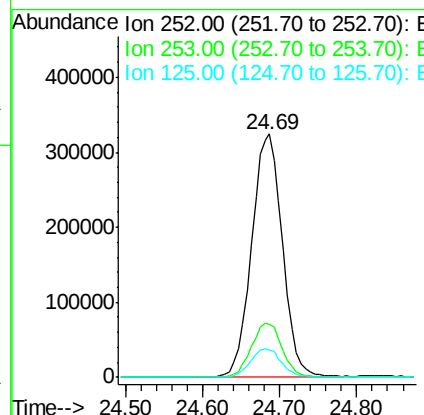
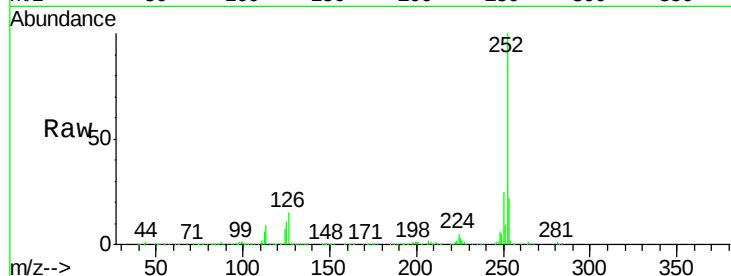




#27
Benzo(a)pyrene
Concen: 21.60 ng/ul
RT: 24.69 min Scan# 3633
Delta R.T. -0.01 min
Lab File: BG026143.D
Acq: 9 Mar 2017 10:44

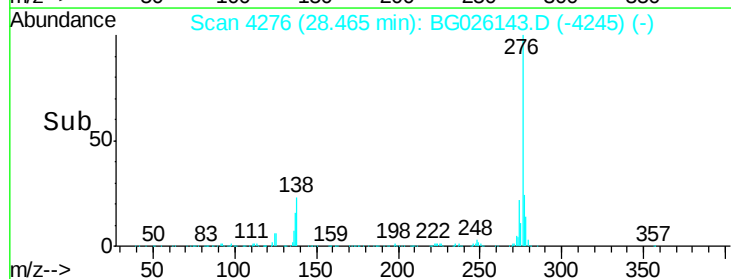
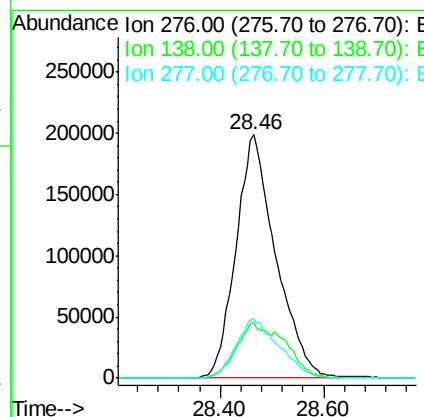
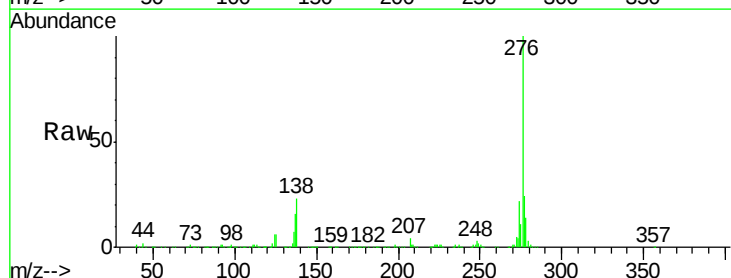
Instrument :
BNA_G
ClientSampleId :
SSTD02016

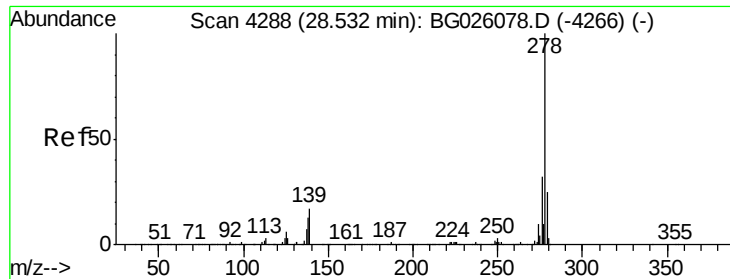
Tot Ion:252 Resp: 903820
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 11.2 9.4 14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 22.75 ng/ul
RT: 28.46 min Scan# 4276
Delta R.T. -0.02 min
Lab File: BG026143.D
Acq: 9 Mar 2017 10:44

Tgt Ion:276 Resp: 1060756
Ion Ratio Lower Upper
276 100
138 22.8 17.8 26.6
277 24.3 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 23.71 ng/ul

RT: 28.52 min Scan# 4286

Delta R.T. -0.02 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

Instrument :

BNA_G

ClientSampleId :

SSTD02016

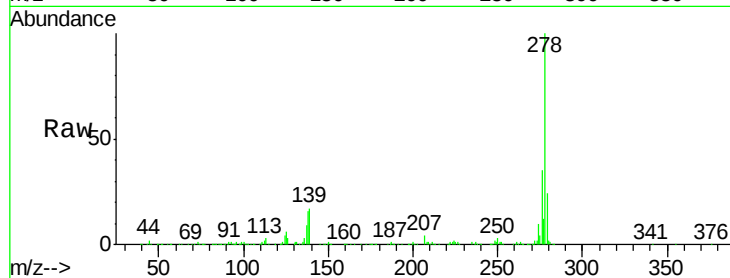
Tot Ion:278 Resp: 868945

Ion Ratio Lower Upper

278 100

139 17.1 14.0 21.0

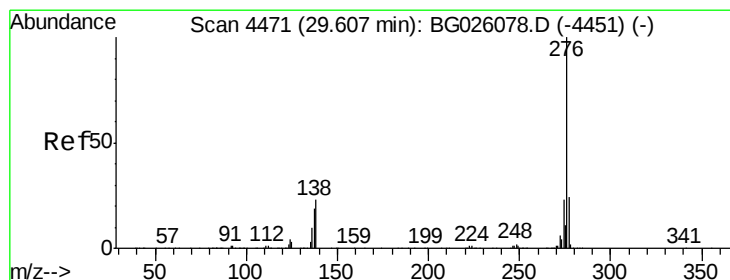
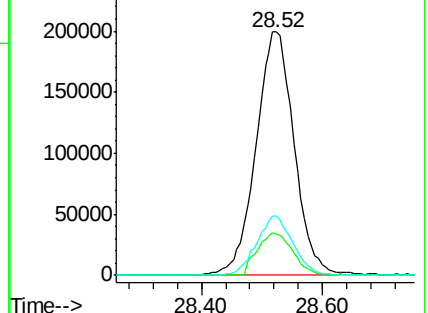
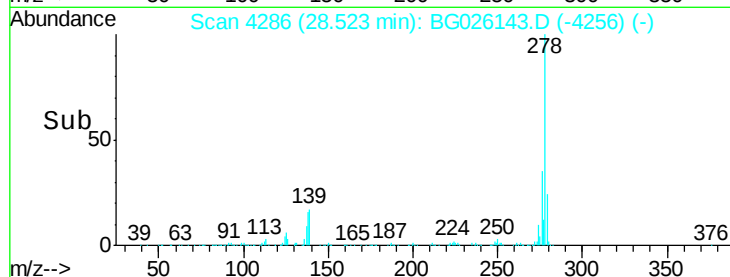
279 24.1 20.6 31.0



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: 21.98 ng/ul

RT: 29.60 min Scan# 4470

Delta R.T. -0.00 min

Lab File: BG026143.D

Acq: 9 Mar 2017 10:44

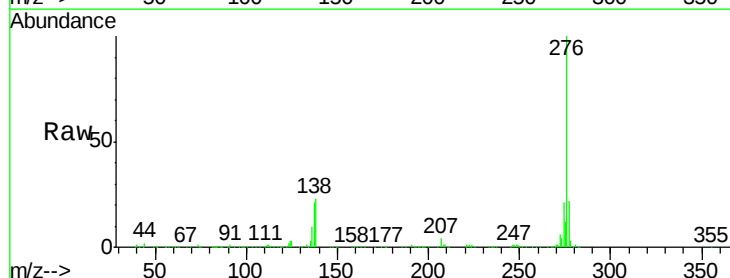
Tgt Ion:276 Resp: 873956

Ion Ratio Lower Upper

276 100

138 23.0 19.0 28.4

277 21.8 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

