

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030617\
 Data File : BG026087.D
 Acq On : 6 Mar 2017 22:23
 Operator : SJ/MA
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02003

Quant Time: Mar 15 05:45:32 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 05:44:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	149821	20.00	ng/ul	0.00
2) Naphthalene-d8	10.87	136	638346	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.67	164	412676	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	829919	20.00	ng/ul	0.00
18) Chrysene-d12	21.65	240	854448	20.00	ng/ul	0.00
23) Perylene-d12	24.84	264	829971	20.00	ng/ul	0.00

System Monitoring Compounds

3) 2,4-Dichlorophenol-d3	10.48	165	191266	20.23	ng/uL	0.00
7) Acenaphthylene-d8	14.37	160	726149	20.64	ng/ul	0.00
10) Fluorene-d10	15.66	176	528721	20.60	ng/ul	0.00
15) Anthracene-d10	17.50	188	783031	21.23	ng/ul	0.00
19) Pyrene-d10	19.77	212	882757	20.25	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.62	264	748527	20.91	ng/ul	0.00

Target Compounds

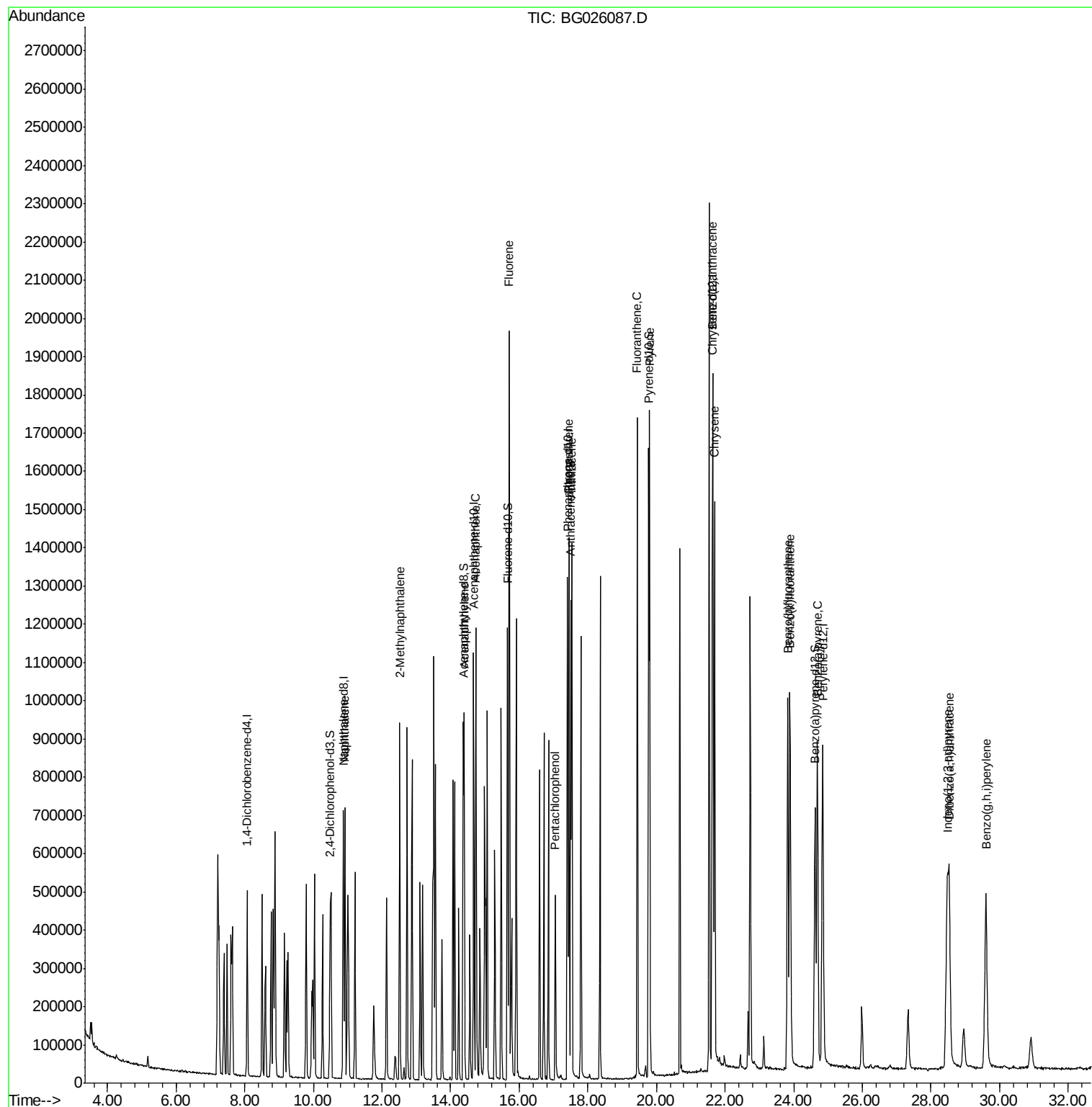
						Qvalue
4) Naphthalene	10.92	128	647388	20.73	ng/ul	99
5) 2-Methylnaphthalene	12.51	142	478644	20.66	ng/ul	96
8) Acenaphthylene	14.40	152	728696	20.28	ng/ul	99
9) Acenaphthene	14.74	153	510129	20.08	ng/ul	98
11) Fluorene	15.71	166	583853	20.36	ng/ul	100
13) Pentachlorophenol	17.06	265	6840	22.08	ng/uL	61
14) Phenanthrene	17.44	178	922600	20.98	ng/ul	99
16) Anthracene	17.53	178	929770	20.93	ng/ul	99
17) Fluoranthene	19.44	202	1070144	23.44	ng/ul	99
20) Pyrene	19.80	202	1100388	20.23	ng/ul	100
21) Benzo(a)anthracene	21.63	228	981731	20.65	ng/ul	99
22) Chrysene	21.69	228	918759	20.71	ng/ul	99
24) Benzo(b)fluoranthene	23.83	252	976611	20.73	ng/ul	97
25) Benzo(k)fluoranthene	23.89	252	930491	20.68	ng/ul	99
27) Benzo(a)pyrene	24.69	252	911553	20.82	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.47	276	1011499	20.73	ng/ul	98
29) Dibenzo(a,h)anthracene	28.54	278	805181	20.99	ng/ul	96
30) Benzo(g,h,i)perylene	29.60	276	861896	20.72	ng/ul	98

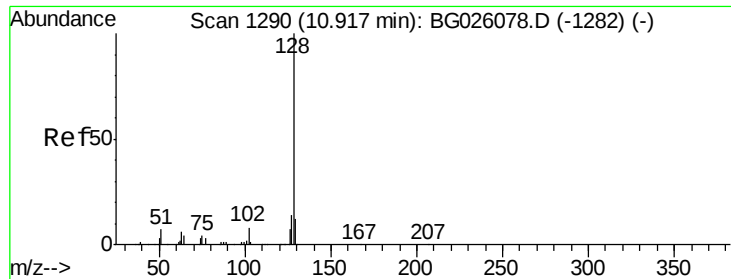
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 15 05:45:32 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 05:44:57 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 20.73 ng/ul

RT: 10.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

BNA_G

ClientSampleId :

SSTD02003

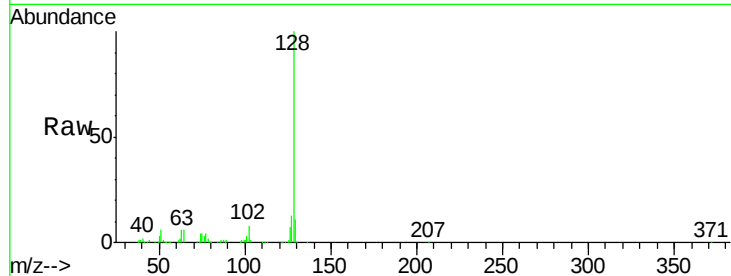
Tgt Ion:128 Resp: 647388

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

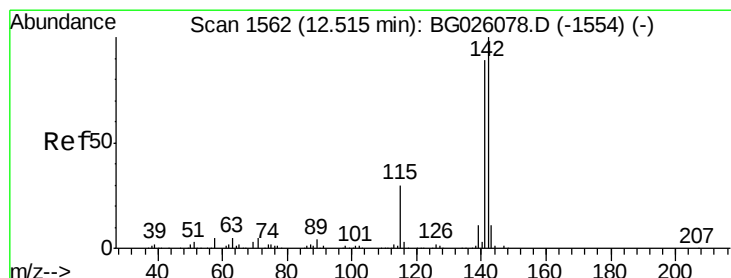
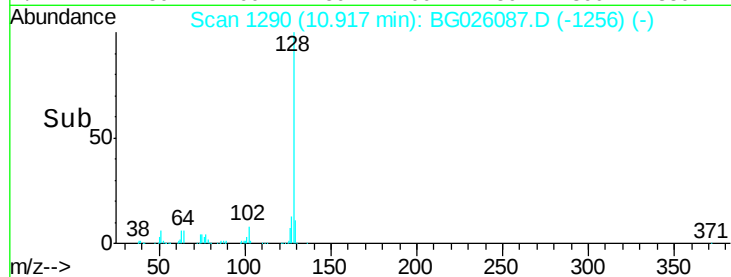
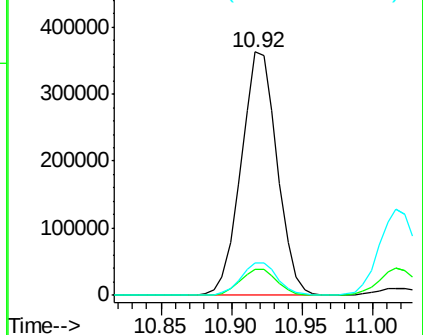
127 13.2 10.6 15.8



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: 20.66 ng/ul

RT: 12.51 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BG026087.D

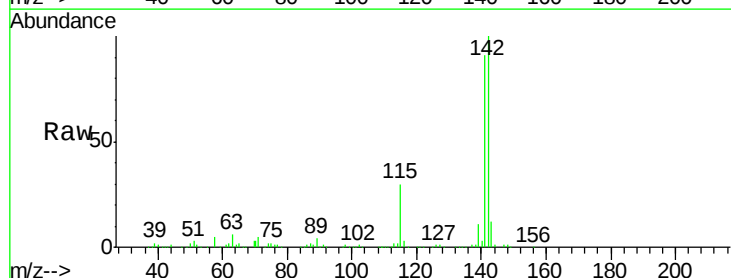
Acq: 6 Mar 2017 22:23

Tgt Ion:142 Resp: 478644

Ion Ratio Lower Upper

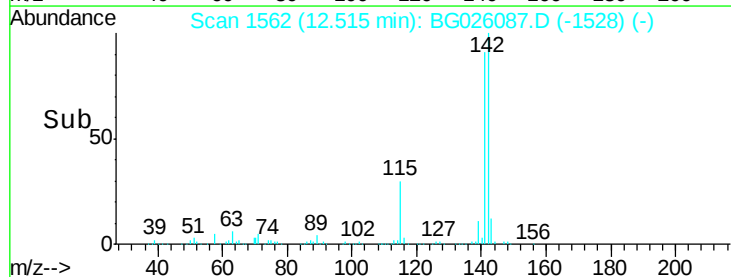
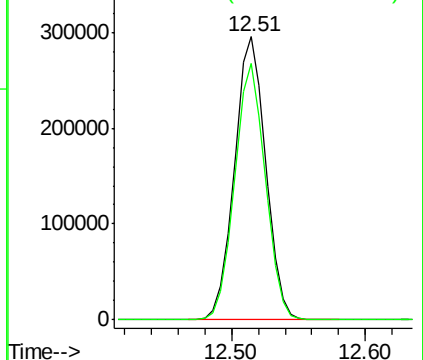
142 100

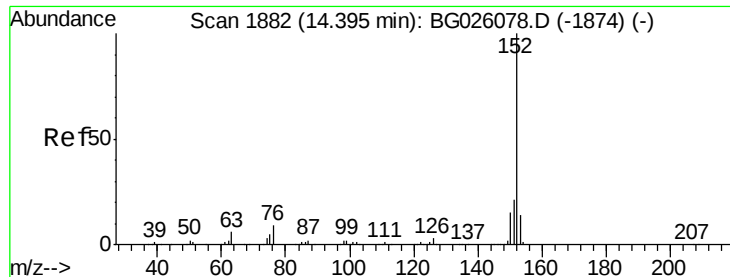
141 90.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.28 ng/ul

RT: 14.40 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

BNA_G

ClientSampleId :

SSTD02003

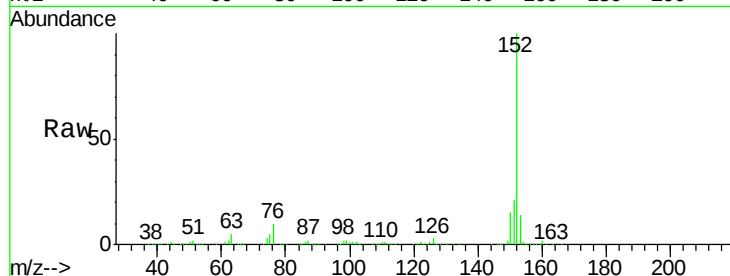
Tgt Ion:152 Resp: 728696

Ion Ratio Lower Upper

152 100

151 21.0 17.5 26.3

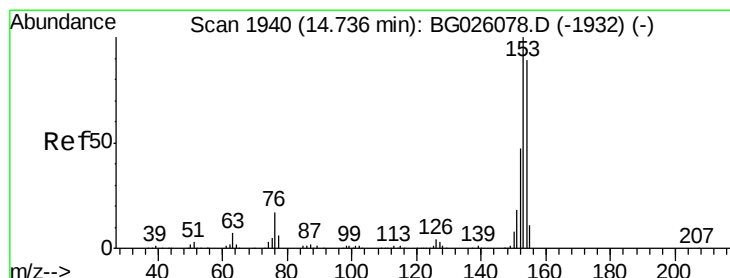
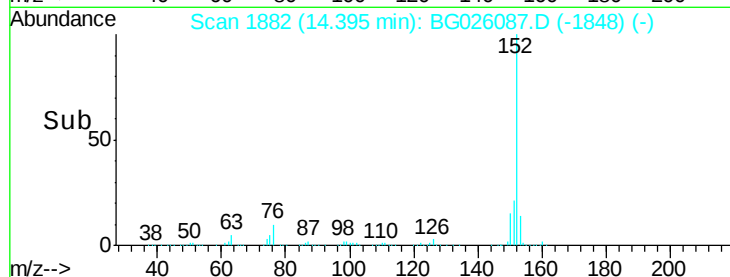
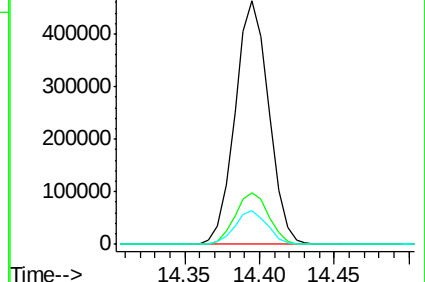
153 13.6 10.6 16.0



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: 20.08 ng/ul

RT: 14.74 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

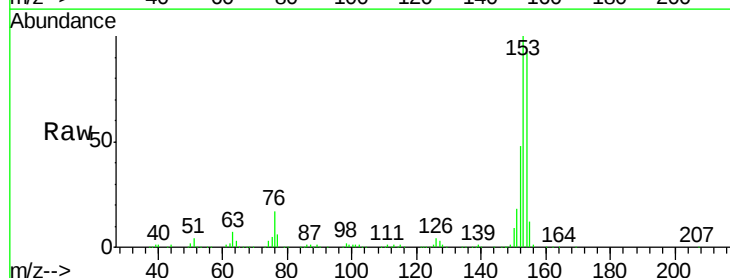
Tgt Ion:153 Resp: 510129

Ion Ratio Lower Upper

153 100

152 48.2 37.9 56.9

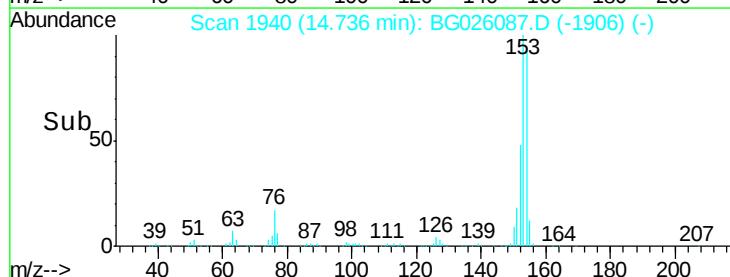
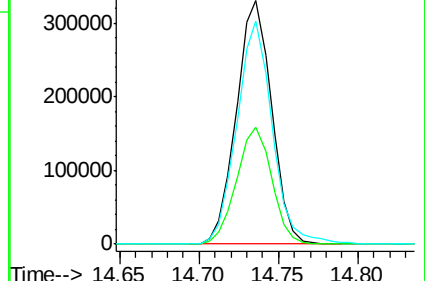
154 91.9 71.6 107.4

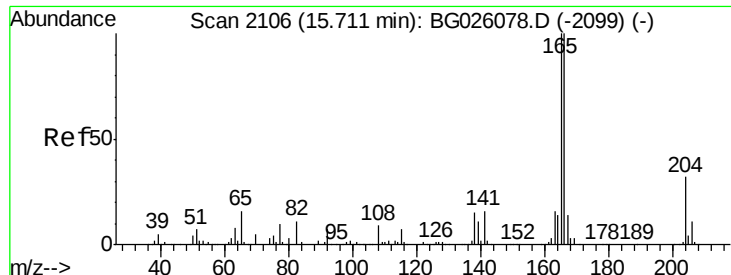


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 20.36 ng/uL

RT: 15.71 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

BNA_G

ClientSampleId :

SSTD02003

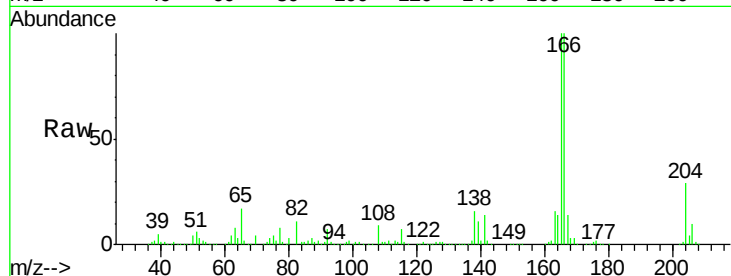
Tgt Ion:166 Resp: 583853

Ion Ratio Lower Upper

166 100

165 100.3 80.0 120.0

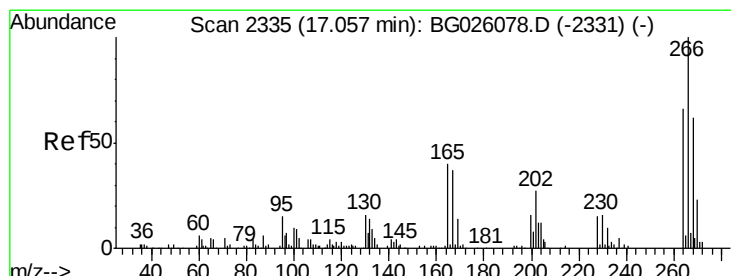
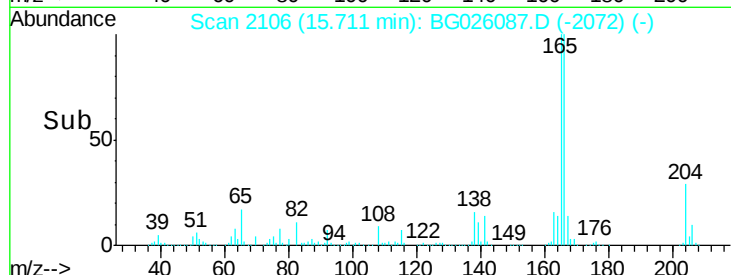
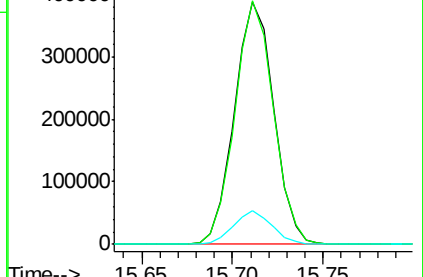
167 14.1 11.6 17.4



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: 22.08 ng/uL

RT: 17.06 min Scan# 2335

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

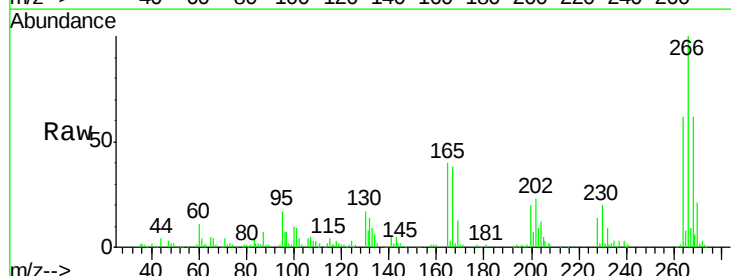
Tgt Ion:265 Resp: 6840

Ion Ratio Lower Upper

265 100

264 808.6 768.4 1152.6

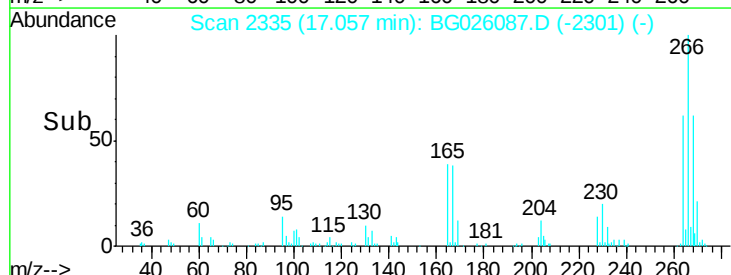
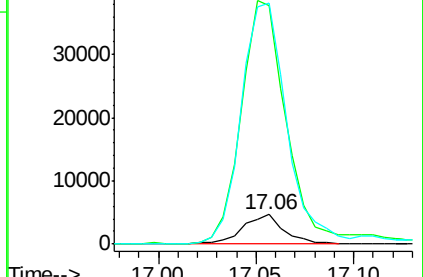
268 814.4 806.4 1209.6

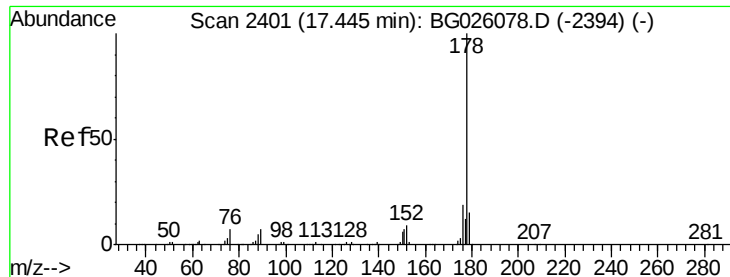


Abundance Ion 265.10 (264.80 to 265.80): E

Ion 264.10 (263.80 to 264.80): E

Ion 268.00 (267.70 to 268.70): E

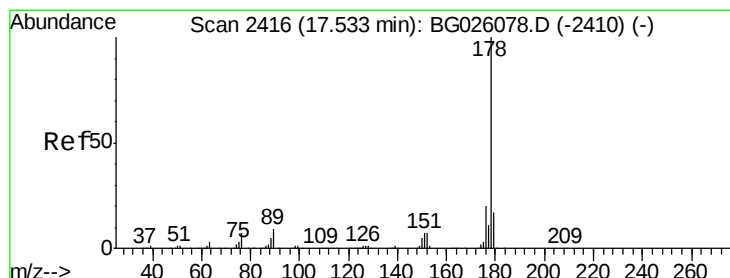
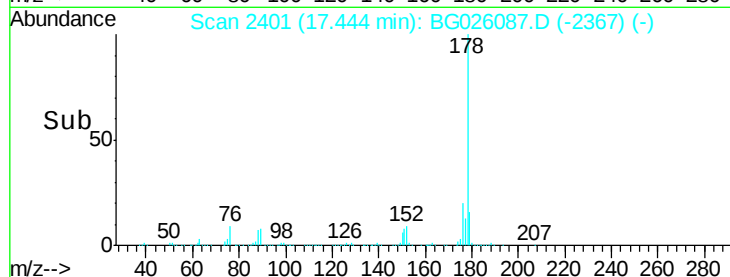
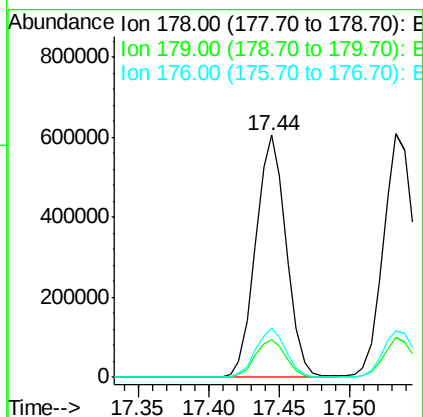
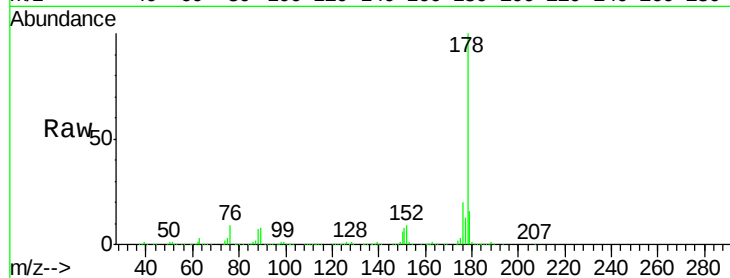




#14
Phenanthrene
Concen: 20.98 ng/ul
RT: 17.44 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG026087.D
Acq: 6 Mar 2017 22:23

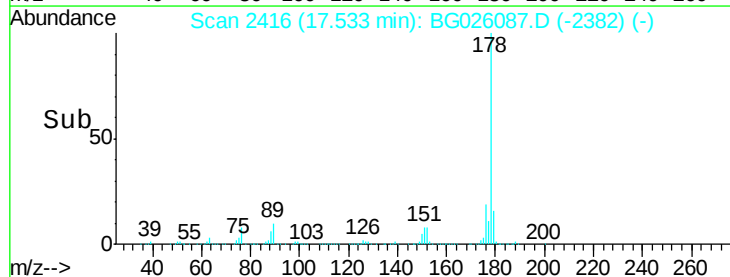
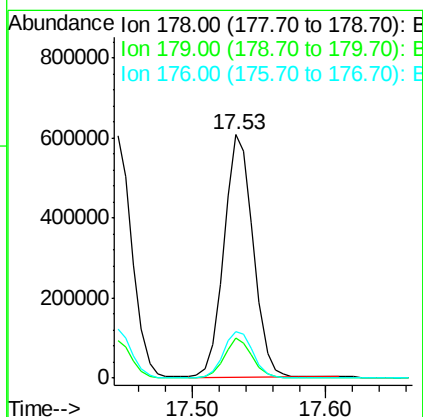
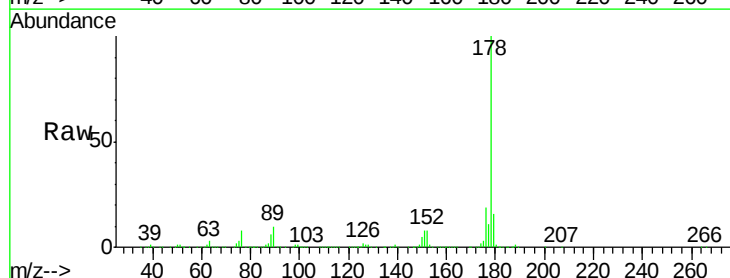
Instrument :
BNA_G
ClientSampleId :
SSTD02003

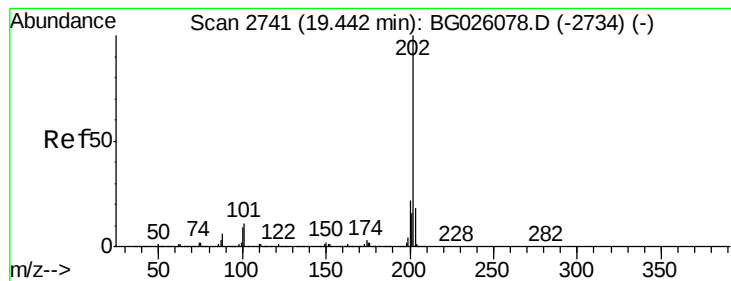
Tgt Ion:178 Resp: 922600
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 20.0 16.4 24.6



#16
Anthracene
Concen: 20.93 ng/ul
RT: 17.53 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG026087.D
Acq: 6 Mar 2017 22:23

Tgt Ion:178 Resp: 929770
Ion Ratio Lower Upper
178 100
179 16.4 12.7 19.1
176 19.2 15.8 23.8





#17

Fluoranthene

Concen: 23.44 ng/ul

RT: 19.44 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

BNA_G

ClientSampleId :

SSTD02003

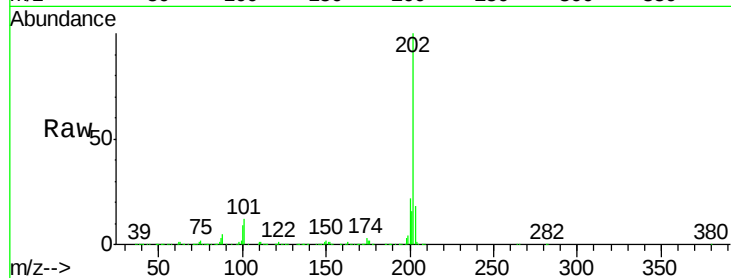
Tgt Ion:202 Resp: 1070144

Ion Ratio Lower Upper

202 100

101 11.8 9.8 14.8

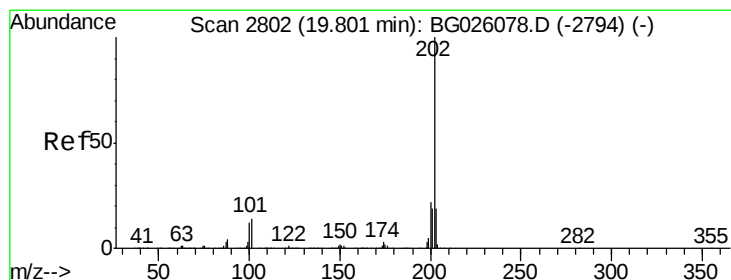
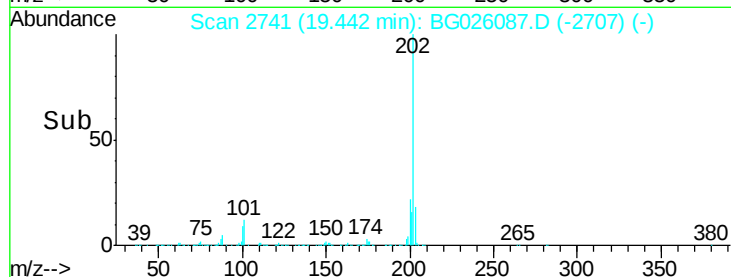
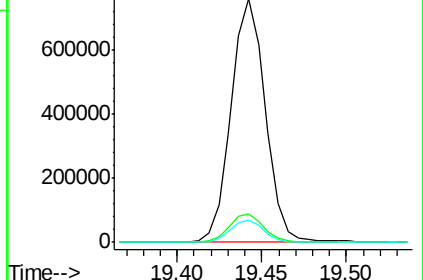
100 9.2 7.5 11.3



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: 20.23 ng/ul

RT: 19.80 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

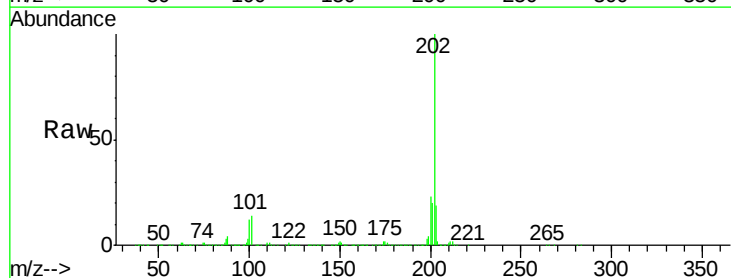
Tgt Ion:202 Resp: 1100388

Ion Ratio Lower Upper

202 100

101 14.1 11.2 16.8

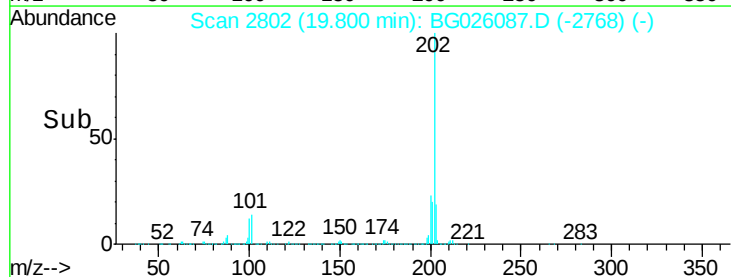
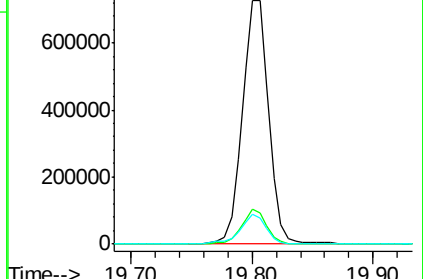
100 12.1 9.8 14.6

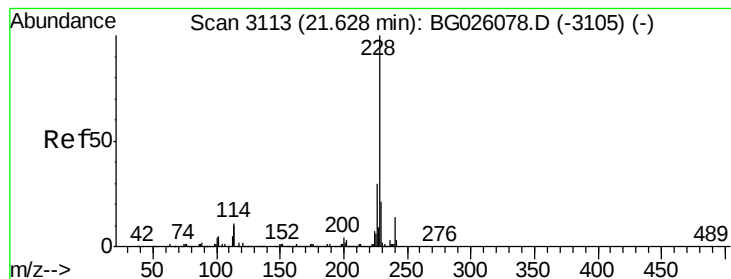


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 20.65 ng/ul

RT: 21.63 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

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ClientSampleId :

SSTD02003

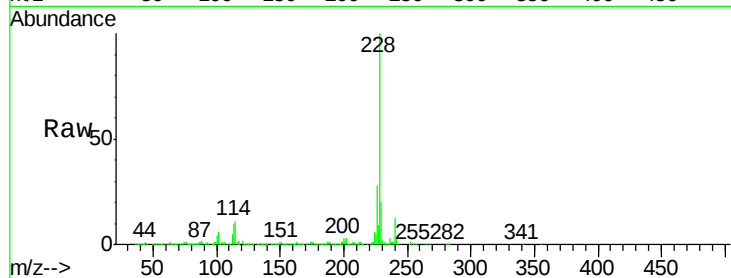
Tgt Ion:228 Resp: 981731

Ion Ratio Lower Upper

228 100

229 20.2 15.9 23.9

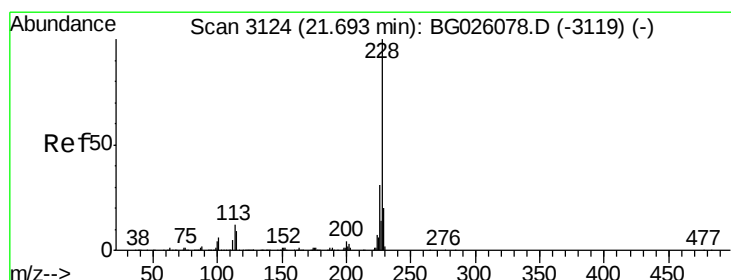
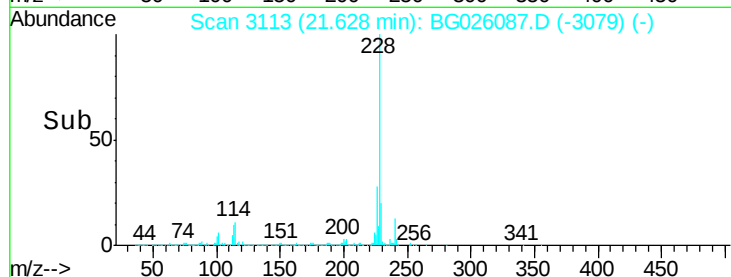
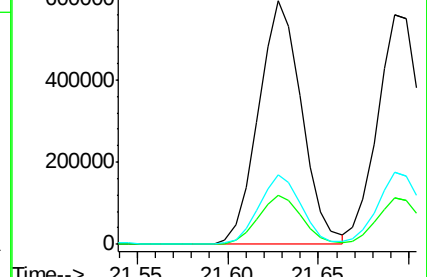
226 28.4 22.1 33.1



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: 20.71 ng/ul

RT: 21.69 min Scan# 3124

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

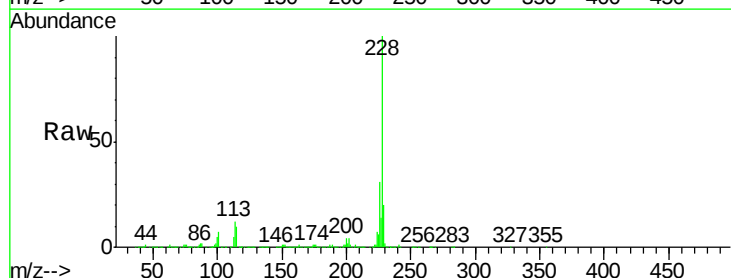
Tgt Ion:228 Resp: 918759

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

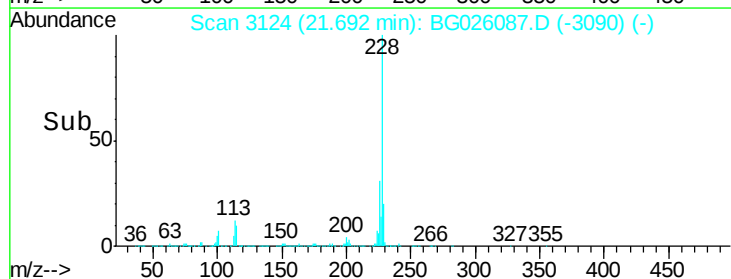
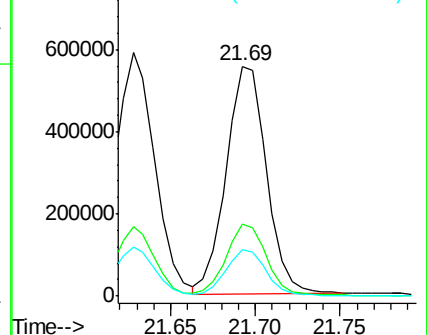
229 20.2 16.6 25.0

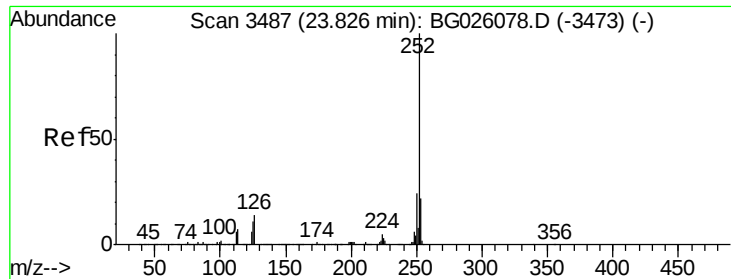


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 20.73 ng/ul

RT: 23.83 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

BNA_G

ClientSampleId :

SSTD02003

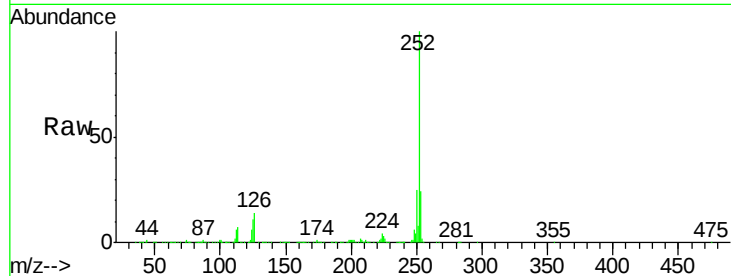
Tgt Ion:252 Resp: 976611

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

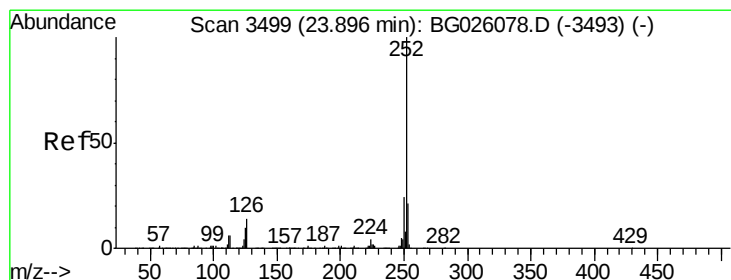
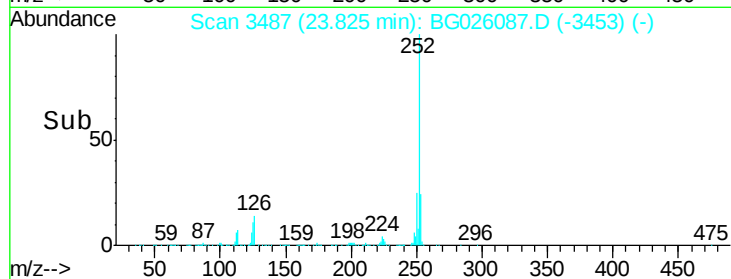
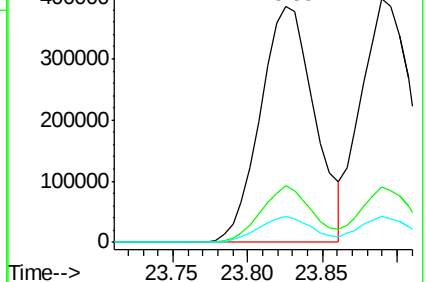
125 10.9 9.4 14.0



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: 20.68 ng/ul

RT: 23.89 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

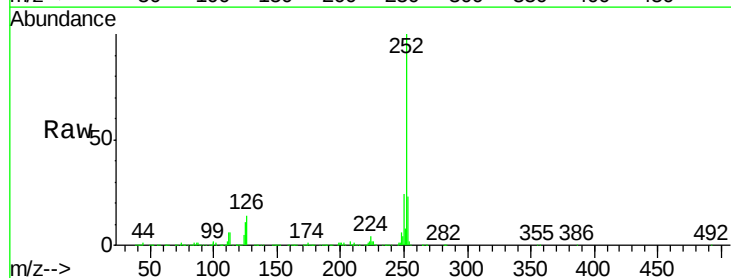
Tgt Ion:252 Resp: 930491

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

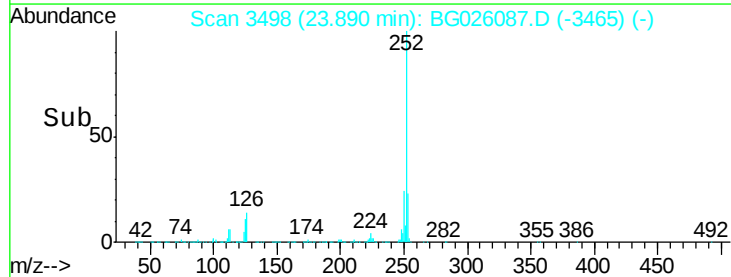
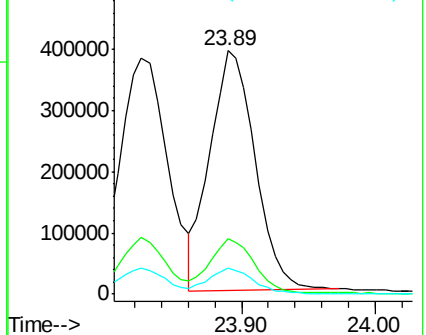
125 10.8 8.8 13.2

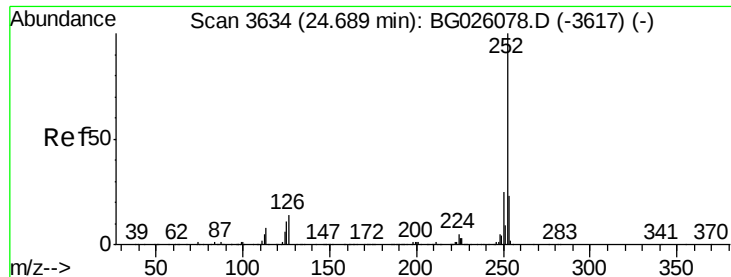


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

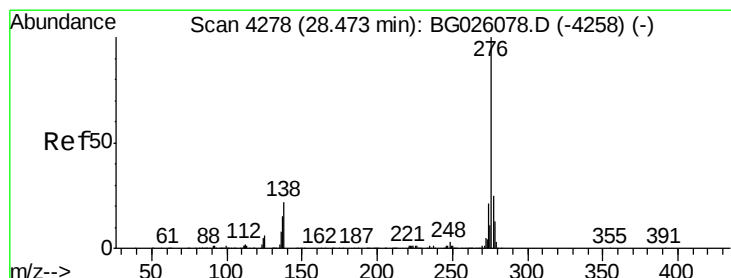
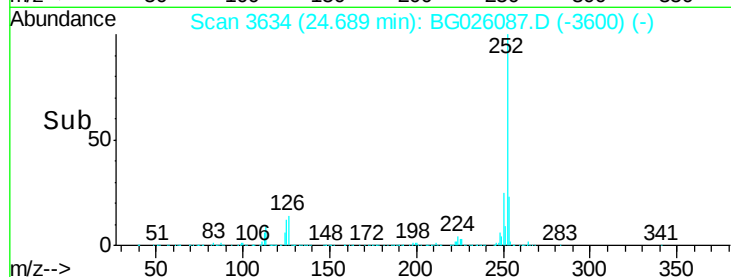
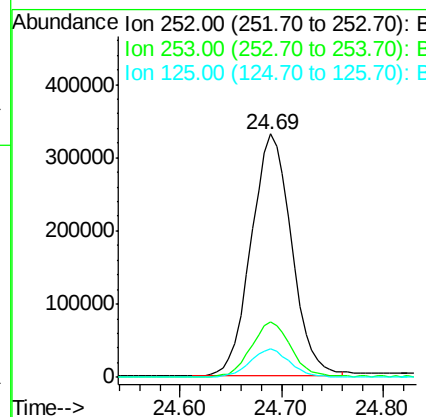
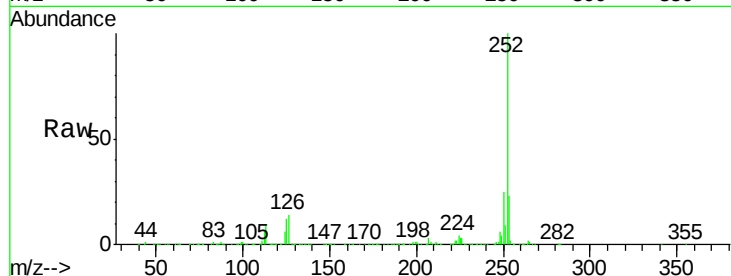




#27
Benzo(a)pyrene
Concen: 20.82 ng/ul
RT: 24.69 min Scan# 3634
Delta R.T. -0.00 min
Lab File: BG026087.D
Acq: 6 Mar 2017 22:23

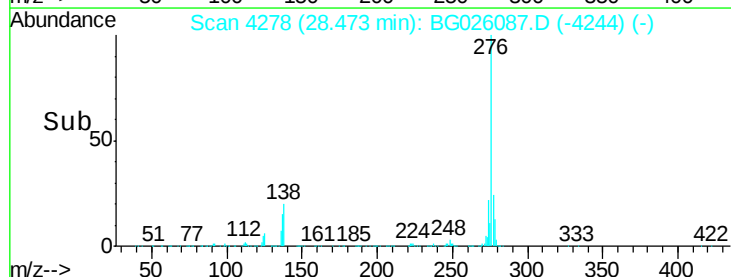
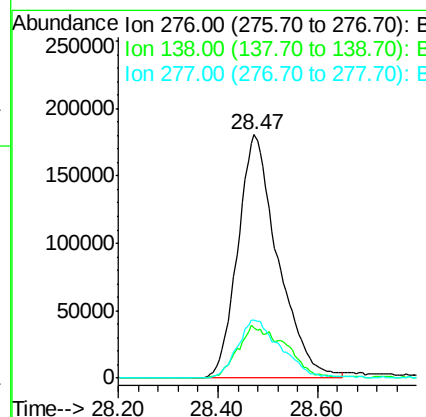
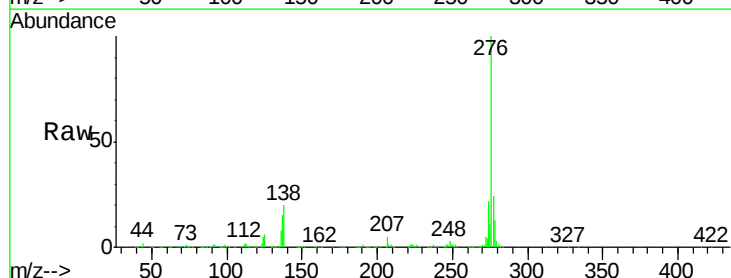
Instrument :
BNA_G
ClientSampleId :
SSTD02003

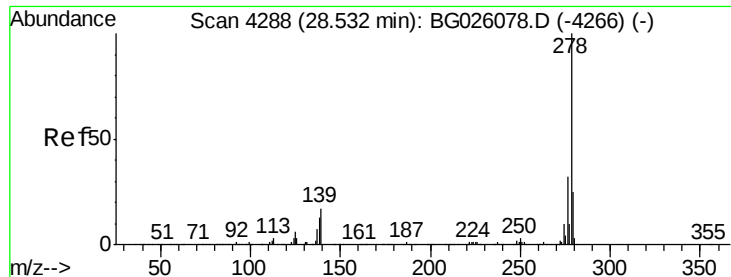
Tgt Ion:252 Resp: 911553
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 11.7 9.4 14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 20.73 ng/ul
RT: 28.47 min Scan# 4278
Delta R.T. -0.00 min
Lab File: BG026087.D
Acq: 6 Mar 2017 22:23

Tgt Ion:276 Resp: 1011499
Ion Ratio Lower Upper
276 100
138 20.5 17.8 26.6
277 23.8 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 20.99 ng/ul

RT: 28.54 min Scan# 4289

Delta R.T. 0.01 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

Instrument :

BNA_G

ClientSampleId :

SSTD02003

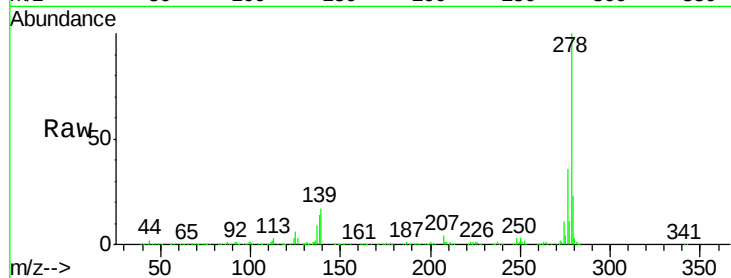
Tgt Ion:278 Resp: 805181

Ion Ratio Lower Upper

278 100

139 17.0 14.0 21.0

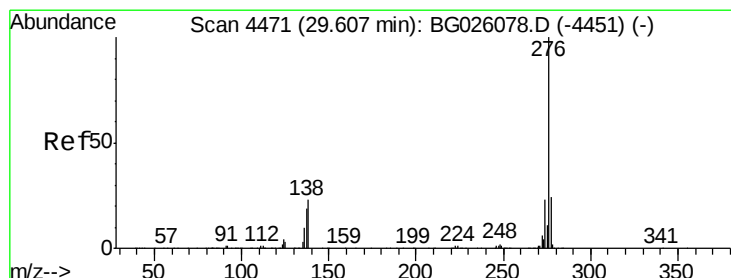
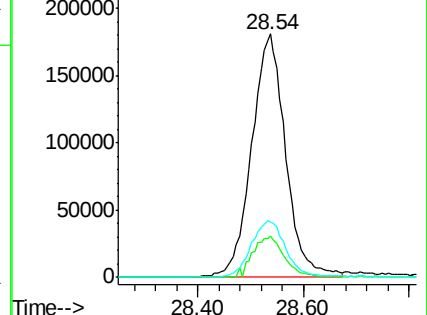
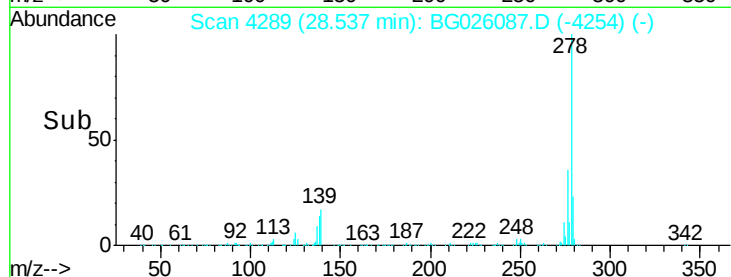
279 22.6 20.6 31.0



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



#30

Benzo(g,h,i)perylene

Concen: 20.72 ng/ul

RT: 29.60 min Scan# 4470

Delta R.T. -0.01 min

Lab File: BG026087.D

Acq: 6 Mar 2017 22:23

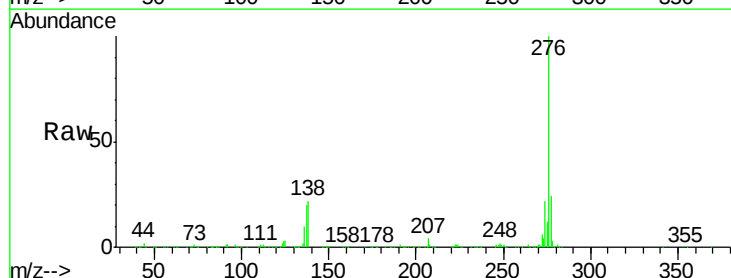
Tgt Ion:276 Resp: 861896

Ion Ratio Lower Upper

276 100

138 22.3 19.0 28.4

277 24.0 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

