

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026234.D
 Acq On : 15 Mar 2017 14:04
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02026

Quant Time: Mar 16 03:50:12 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 22 04:47:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	69999	20.00	ng/ul	-0.04
2) Naphthalene-d8	10.85	136	360151	20.00	ng/ul	-0.04
6) Acenaphthene-d10	14.66	164	246355	20.00	ng/ul	-0.03
12) Phenanthrene-d10	17.39	188	622906	20.00	ng/ul	-0.03
17) Chrysene-d12	21.64	240	638656	20.00	ng/ul	-0.03
22) Perylene-d12	24.83	264	601150	20.00	ng/ul	-0.07

System Monitoring Compounds						
7) Acenaphthylene-d8	14.36	160	484556	23.75	ng/ul	-0.03
10) Fluorene-d10	15.65	176	367600	23.46	ng/ul	-0.03
14) Anthracene-d10	17.49	188	566259	20.11	ng/ul	-0.03
18) Pyrene-d10	19.77	212	594374	19.31	ng/ul	-0.03
25) Benzo(a)pyrene-d12	24.60	264	546603	20.55	ng/ul	-0.07

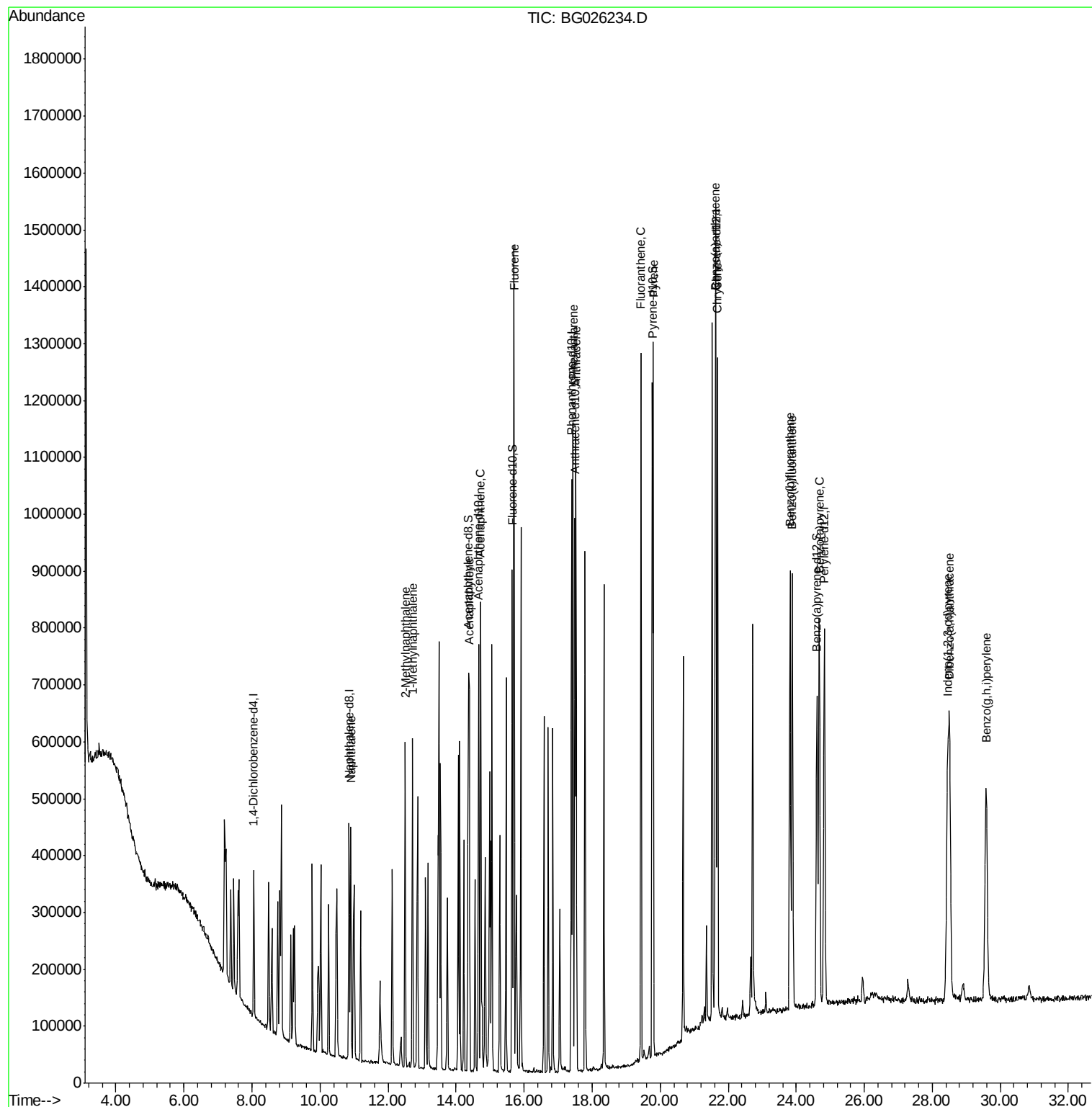
Target Compounds				Ovalue		
3) Naphthalene	10.91	128	355843	20.04	ng/ul	97
4) 2-Methylnaphthalene	12.50	142	292056	20.87	ng/ul	95
5) 1-Methylnaphthalene	12.72	142	284175	20.83	ng/ul#	92
8) Acenaphthylene	14.39	152	496140	23.74	ng/ul	100
9) Acenaphthene	14.73	153	355282	23.79	ng/ul	99
11) Fluorene	15.70	166	427054	24.37	ng/ul	96
13) Phenanthrene	17.44	178	690266	20.78	ng/ul	96
15) Anthracene	17.52	178	695384	20.60	ng/ul	98
16) Fluoranthene	19.43	202	735029	20.13	ng/ul	98
19) Pyrene	19.80	202	753168	19.49	ng/ul#	96
20) Benzo(a)anthracene	21.62	228	728328	20.27	ng/ul	97
21) Chrysene	21.68	228	686821	20.01	ng/ul	99
23) Benzo(b)fluoranthene	23.82	252	706822	20.35	ng/ul	98
24) Benzo(k)fluoranthene	23.88	252	702944	20.95	ng/ul	98
26) Benzo(a)pyrene	24.68	252	689450	20.51	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	28.45	276	812123	20.63	ng/ul#	91
28) Dibenzo(a,h)anthracene	28.51	278	657739	20.17	ng/ul#	93
29) Benzo(g,h,i)perylene	29.57	276	670583	20.64	ng/ul#	92

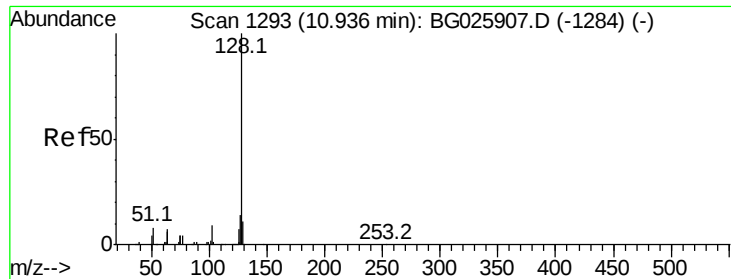
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.04 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

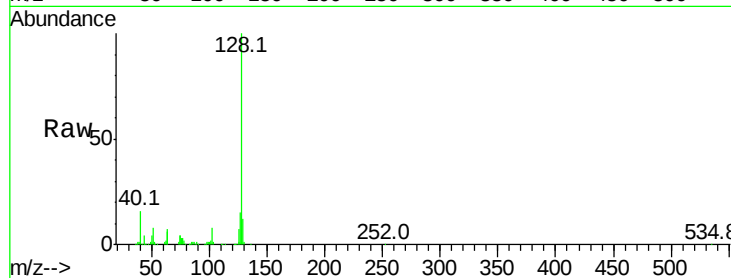
Tot Ion:128 Resp: 355843

Ion Ratio Lower Upper

128 100

129 11.9 8.7 13.1

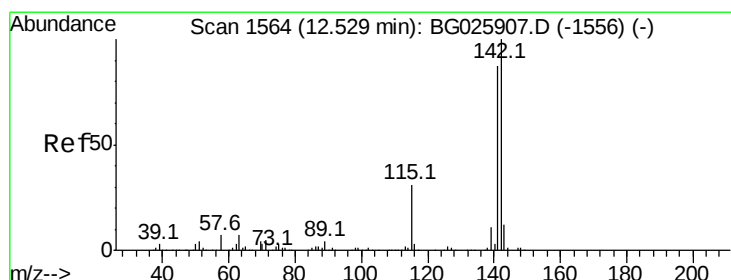
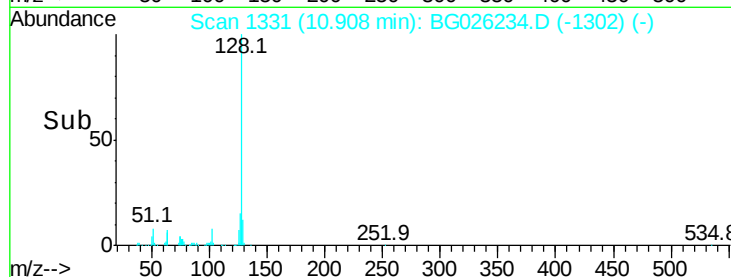
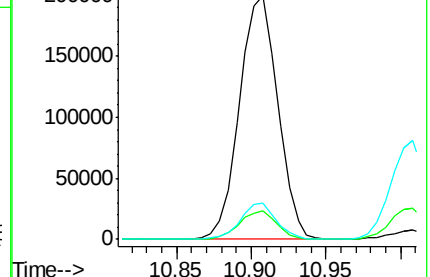
127 14.8 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 20.87 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. -0.03 min

Lab File: BG026234.D

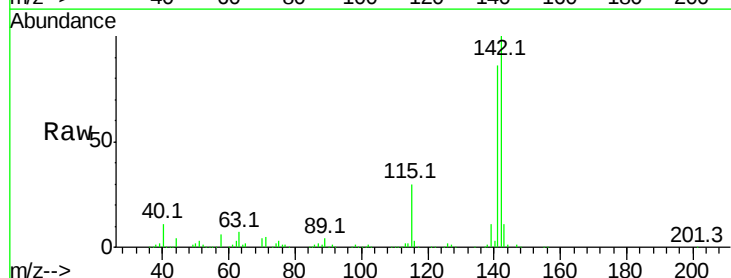
Acq: 15 Mar 2017 14:04

Tgt Ion:142 Resp: 292056

Ion Ratio Lower Upper

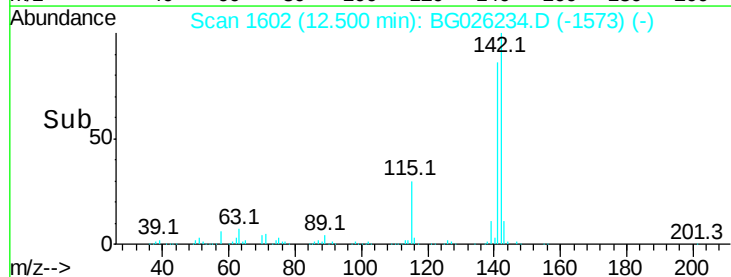
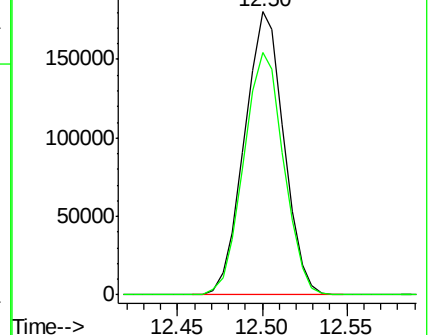
142 100

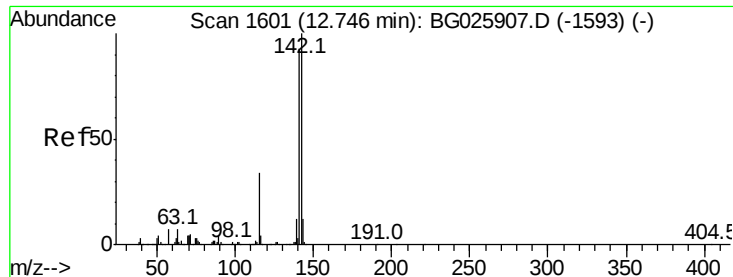
141 85.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.83 ng/ul

RT: 12.72 min Scan# 1639

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

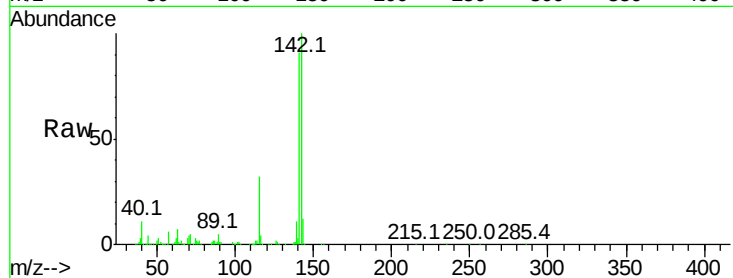
Tot Ion:142 Resp: 284175

Ion Ratio Lower Upper

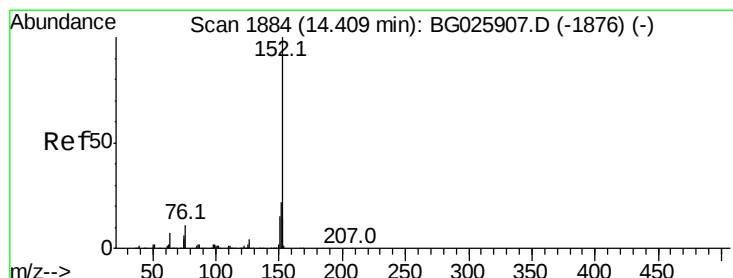
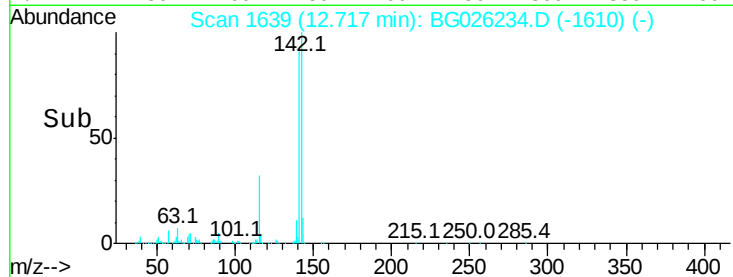
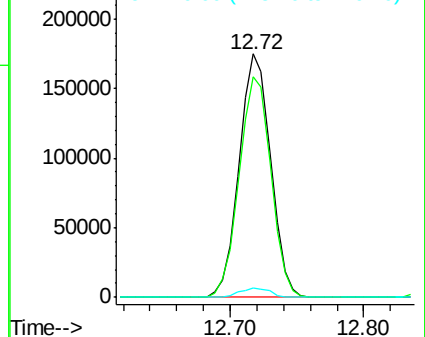
142 100

141 90.8 79.3 118.9

116 3.8 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 23.74 ng/ul

RT: 14.39 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

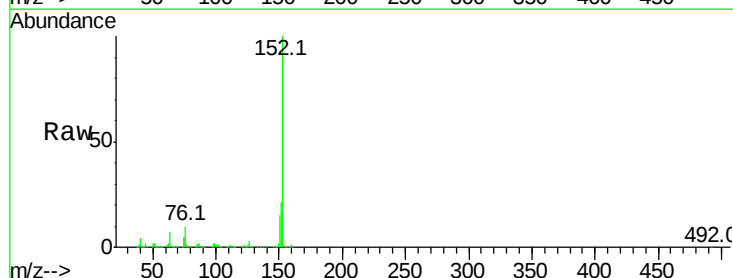
Tgt Ion:152 Resp: 496140

Ion Ratio Lower Upper

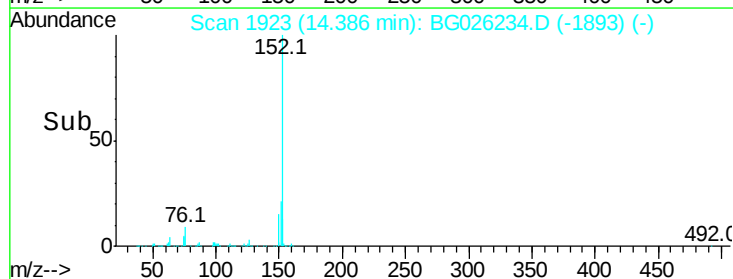
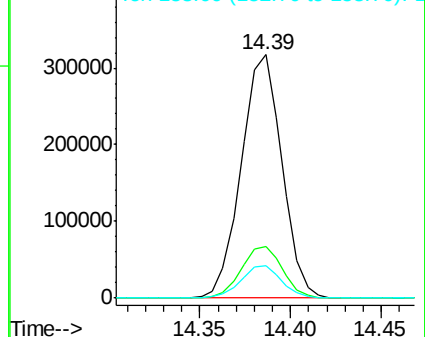
152 100

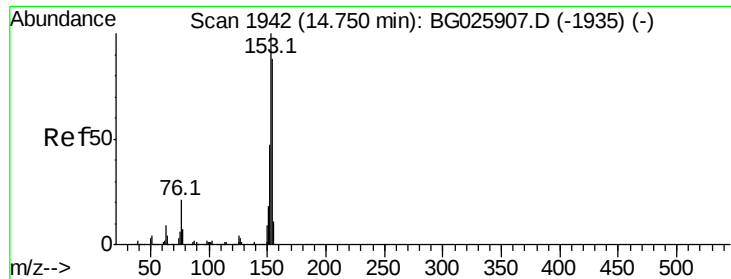
151 21.0 16.7 25.1

153 13.2 10.2 15.4



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: 23.79 ng/ul

RT: 14.73 min Scan# 1981

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

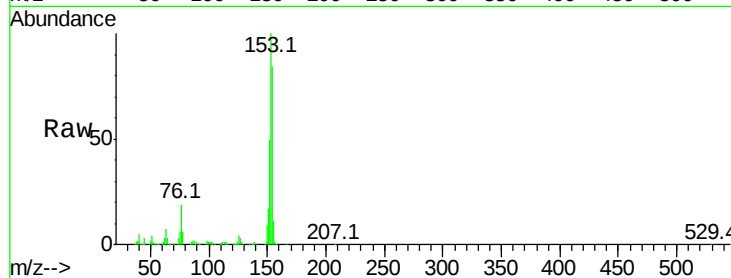
Tot Ion:153 Resp: 355282

Ion Ratio Lower Upper

153 100

152 50.4 39.0 58.6

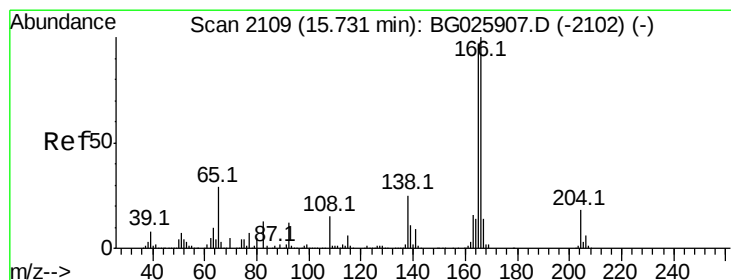
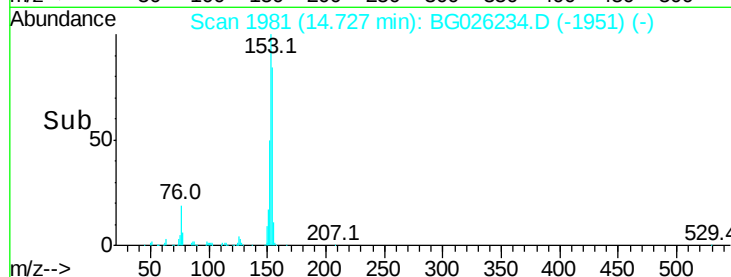
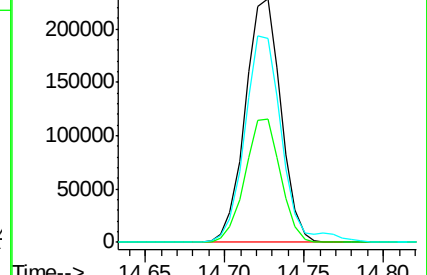
154 83.7 66.8 100.2



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: 24.37 ng/ul

RT: 15.70 min Scan# 2147

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

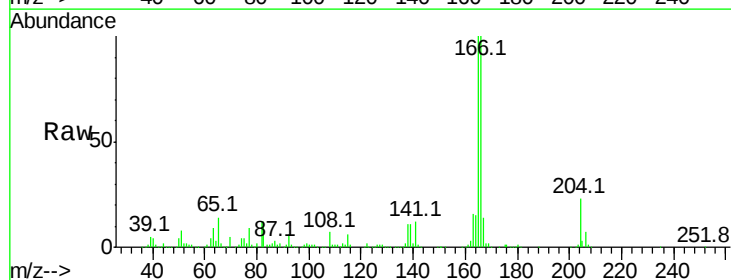
Tgt Ion:166 Resp: 427054

Ion Ratio Lower Upper

166 100

165 100.4 83.8 125.8

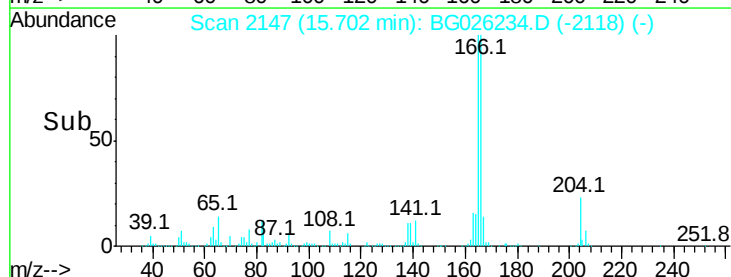
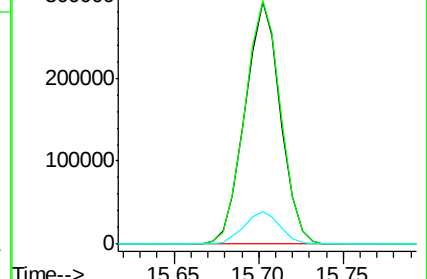
167 13.6 11.5 17.3

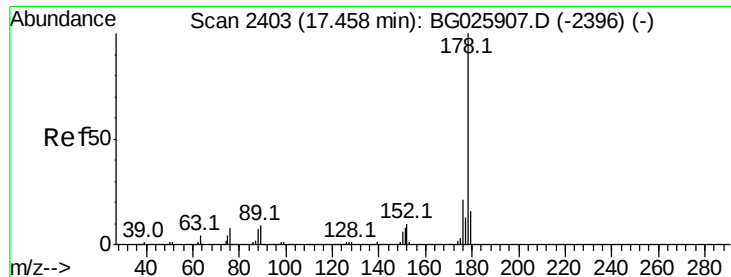


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.78 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

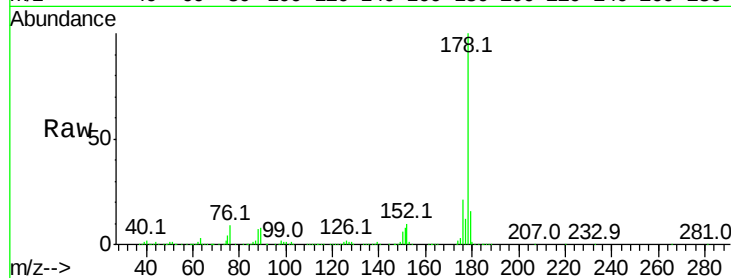
Tot Ion:178 Resp: 690266

Ion Ratio Lower Upper

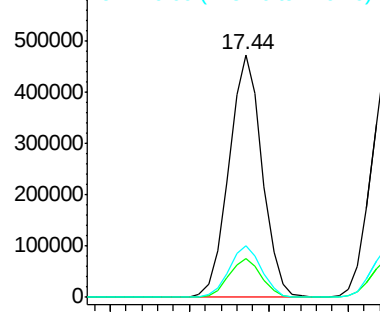
178 100

179 16.2 12.3 18.5

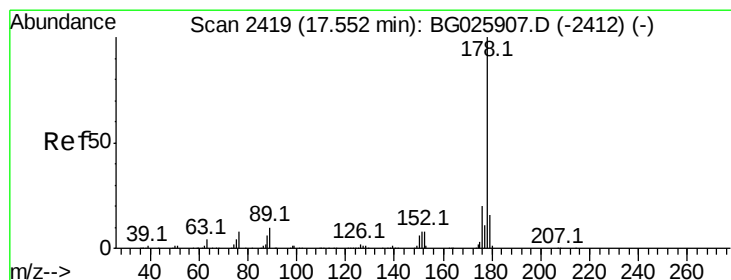
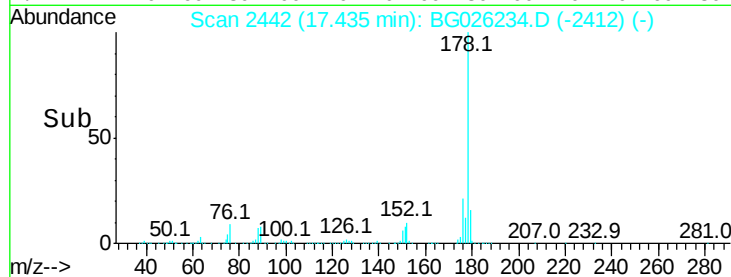
176 21.1 15.1 22.7



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



Time--> 17.35 17.40 17.45 17.50



#15

Anthracene

Concen: 20.60 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. -0.03 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

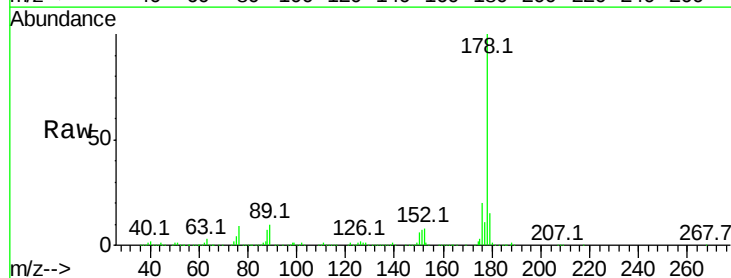
Tgt Ion:178 Resp: 695384

Ion Ratio Lower Upper

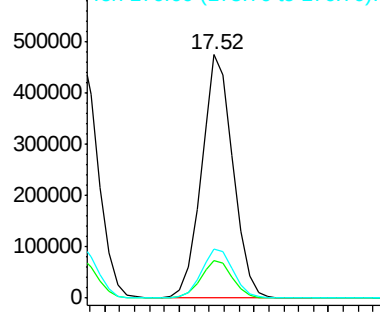
178 100

179 15.4 11.8 17.8

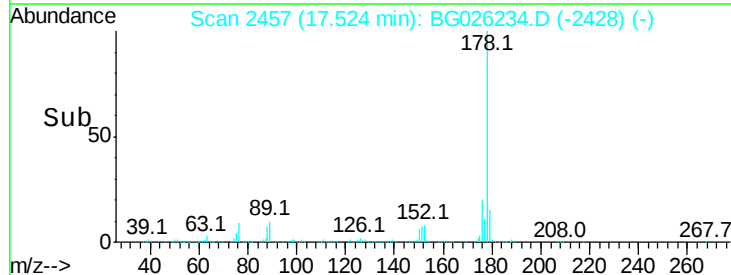
176 19.9 15.2 22.8

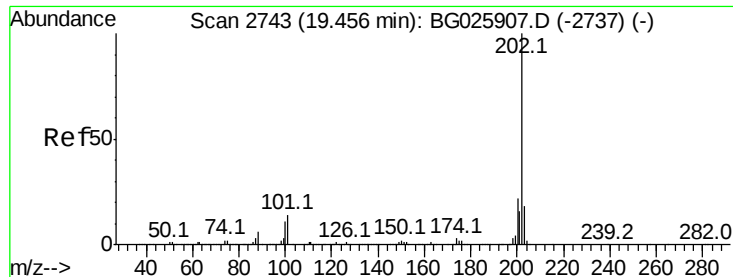


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 17.45 17.50 17.55 17.60

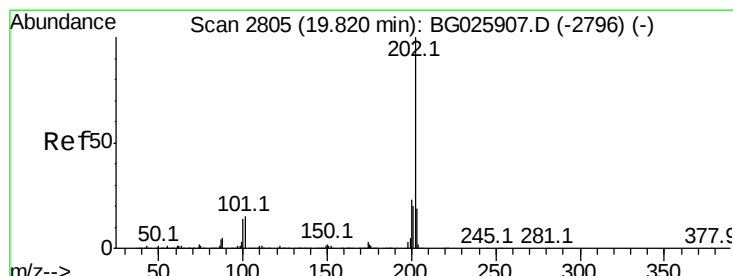
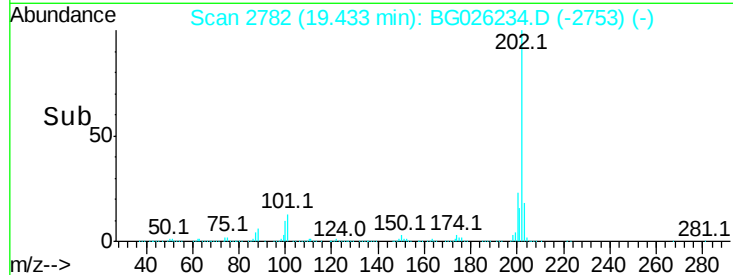
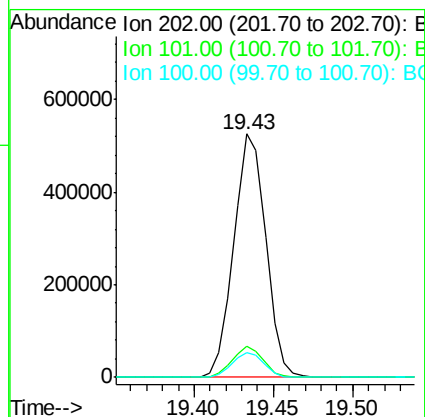
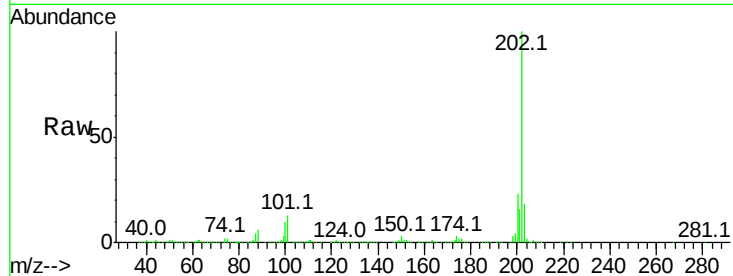




#16
 Fluoranthene
 Concen: 20.13 ng/ul
 RT: 19.43 min Scan# 2782
 Delta R.T. -0.03 min
 Lab File: BG026234.D
 Acq: 15 Mar 2017 14:04

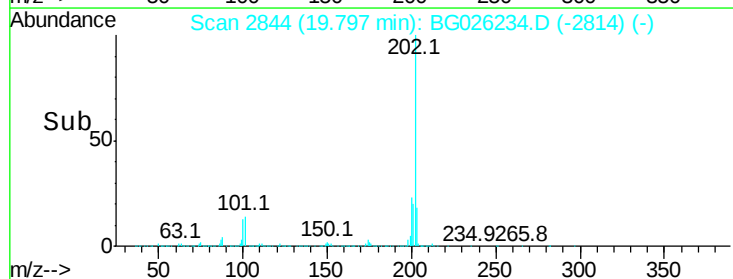
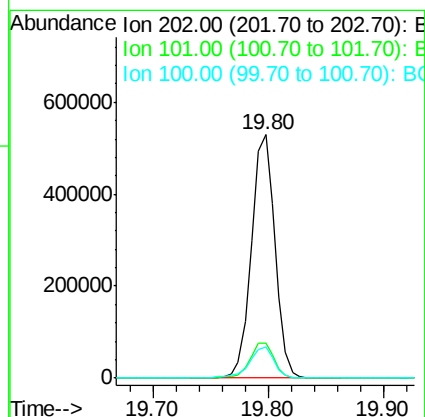
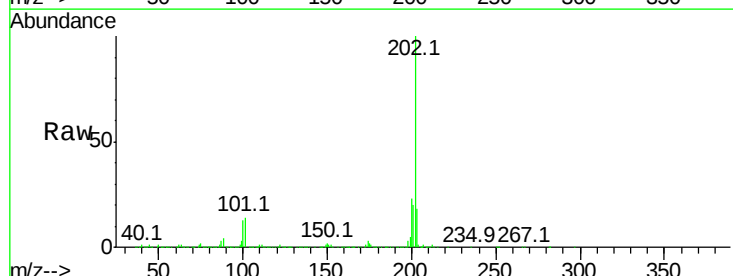
Instrument :
 BNA_G
 ClientSampleId :
 SST02026

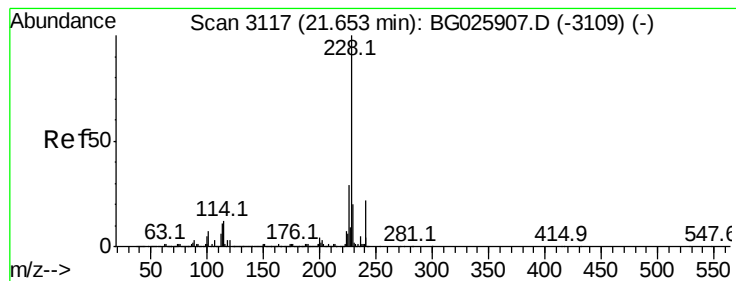
Tot Ion:	202	Resp:	735029
Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.9	14.9
100	10.2	7.4	11.0



#19
 Pyrene
 Concen: 19.49 ng/ul
 RT: 19.80 min Scan# 2844
 Delta R.T. -0.03 min
 Lab File: BG026234.D
 Acq: 15 Mar 2017 14:04

Tgt Ion:	202	Resp:	753168
Ion	Ratio	Lower	Upper
202	100		
101	14.3	11.0	16.4
100	12.6	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 20.27 ng/ul

RT: 21.62 min Scan# 3154

Delta R.T. -0.04 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

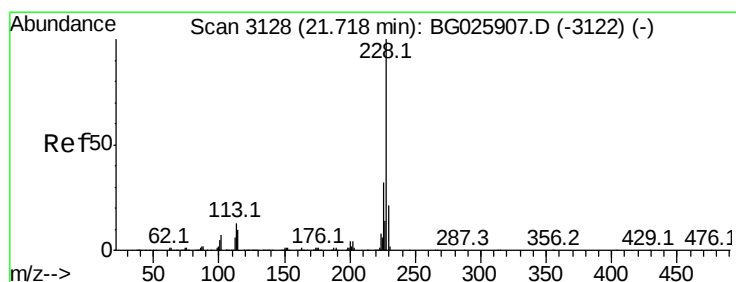
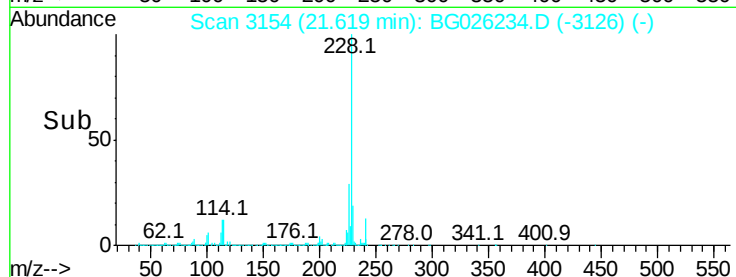
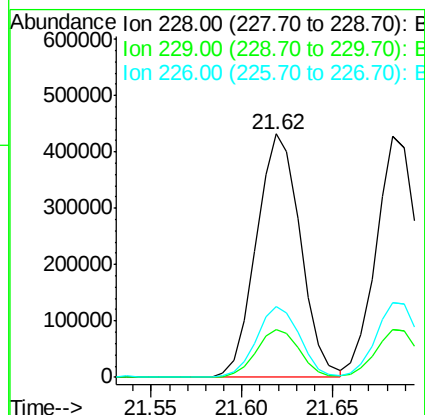
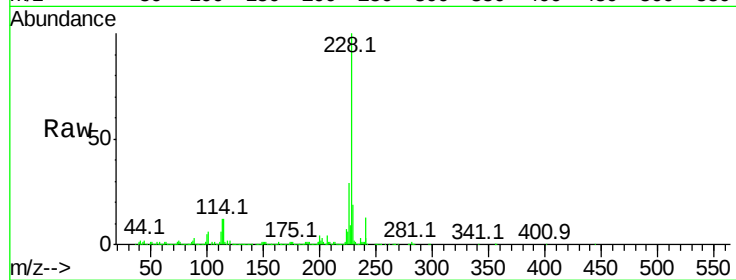
Tot Ion:228 Resp: 728328

Ion Ratio Lower Upper

228 100

229 19.5 15.7 23.5

226 28.8 21.1 31.7



#21

Chrysene

Concen: 20.01 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. -0.04 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

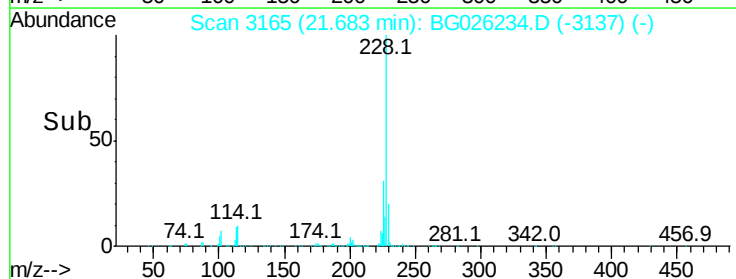
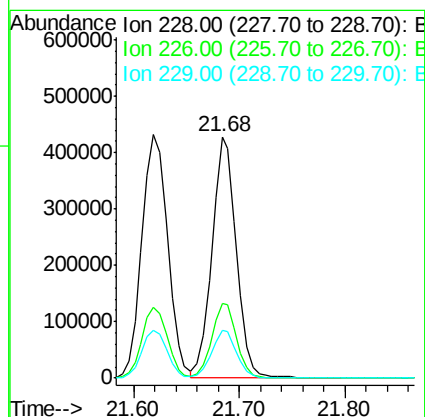
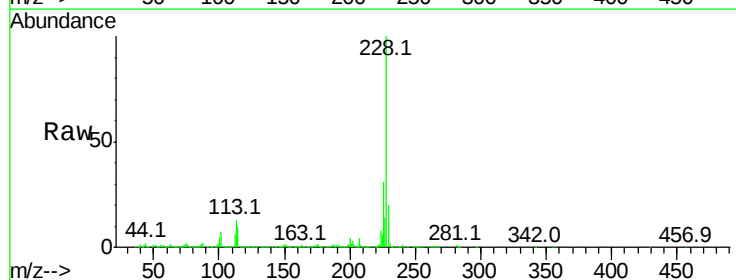
Tgt Ion:228 Resp: 686821

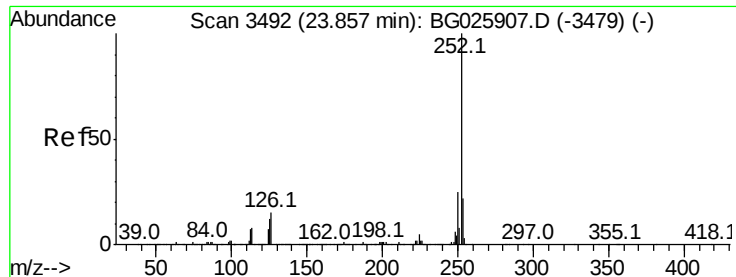
Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

229 20.0 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.35 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.06 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

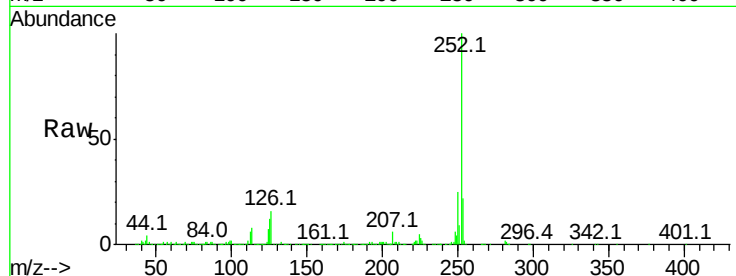
Tot Ion:252 Resp: 706822

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

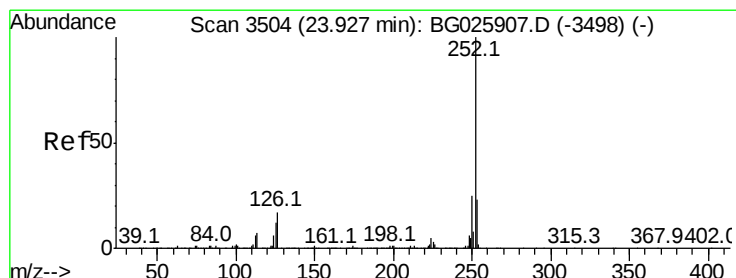
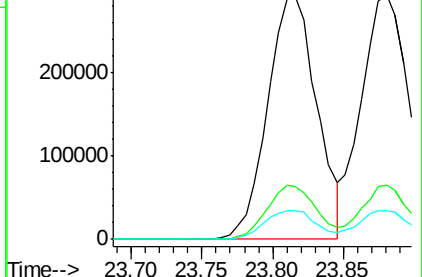
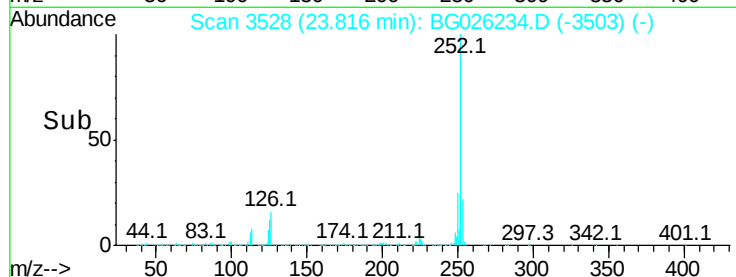
125 11.7 8.0 12.0



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



#24

Benzo(k)fluoranthene

Concen: 20.95 ng/ul

RT: 23.88 min Scan# 3539

Delta R.T. -0.06 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

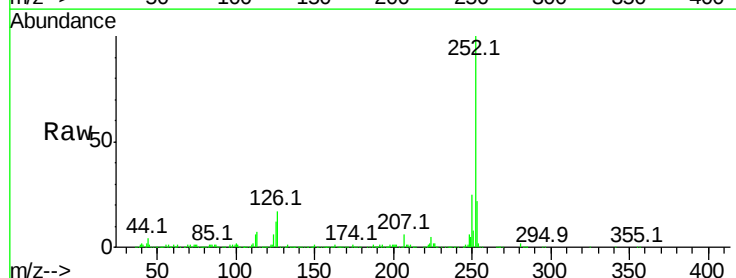
Tgt Ion:252 Resp: 702944

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

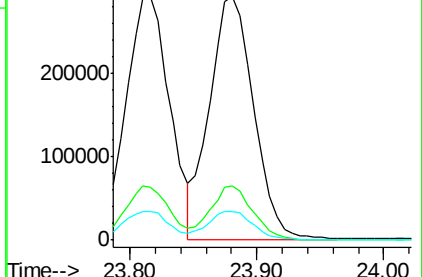
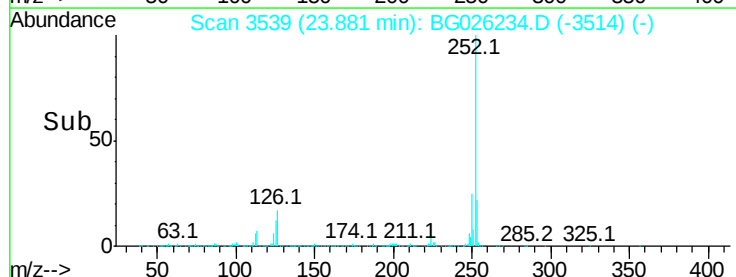
125 12.0 8.1 12.1

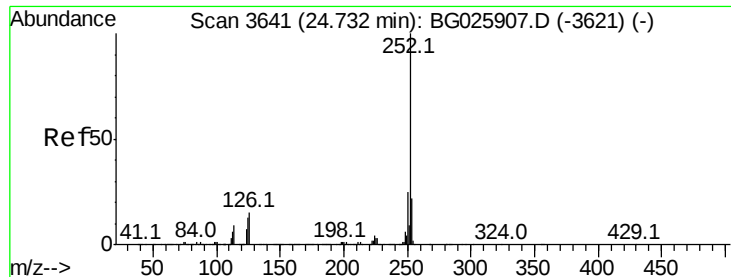


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

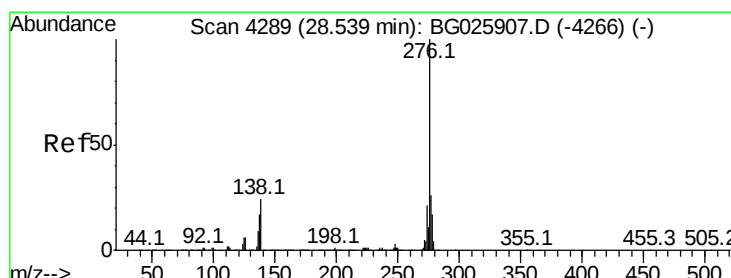
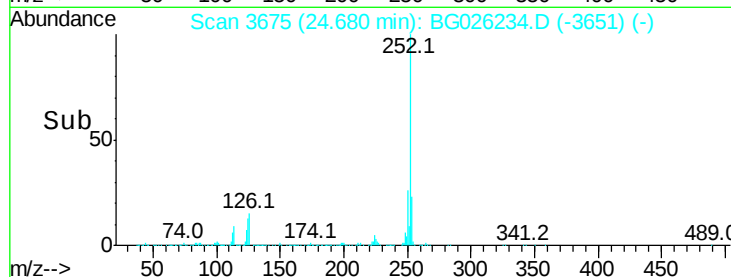
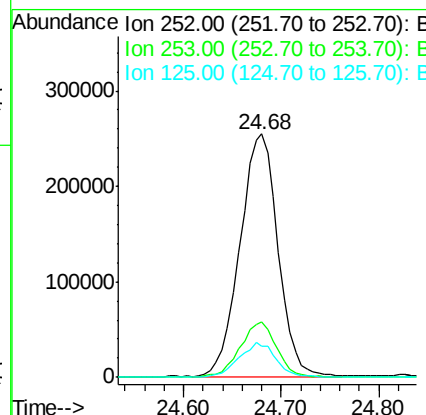
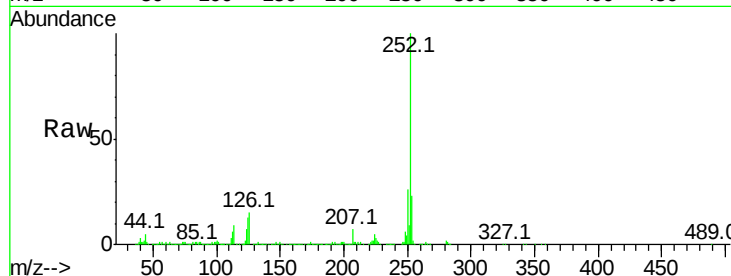




#26
Benzo(a)pyrene
Concen: 20.51 ng/ul
RT: 24.68 min Scan# 3675
Delta R.T. -0.06 min
Lab File: BG026234.D
Acq: 15 Mar 2017 14:04

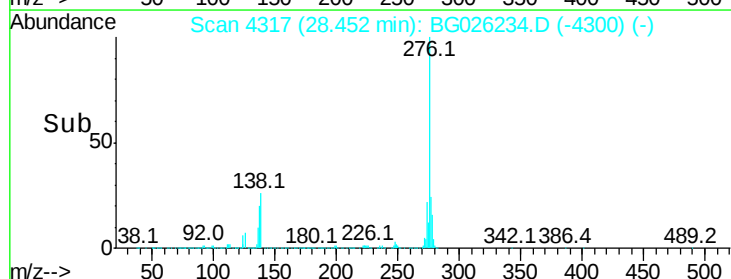
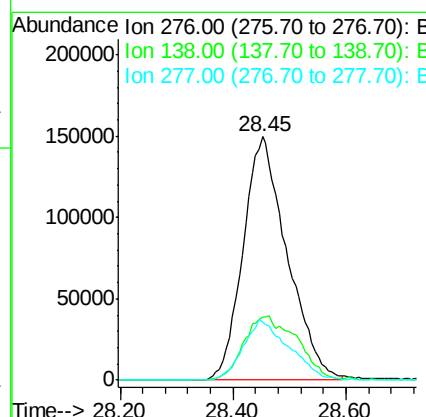
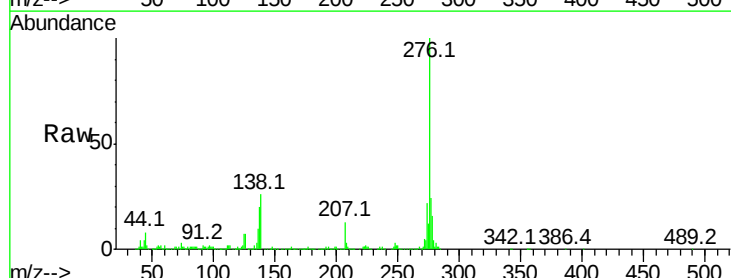
Instrument :
BNA_G
ClientSampleId :
SSTD02026

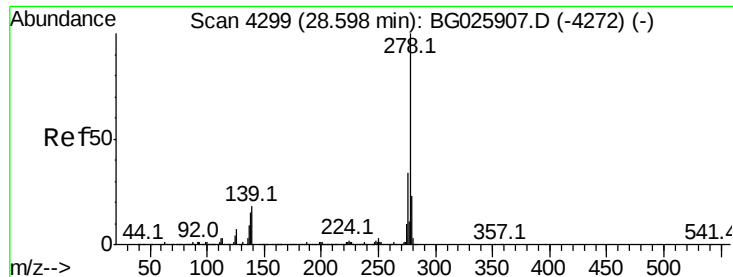
Tot Ion:252 Resp: 689450
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 13.0 8.2 12.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 20.63 ng/ul
RT: 28.45 min Scan# 4317
Delta R.T. -0.10 min
Lab File: BG026234.D
Acq: 15 Mar 2017 14:04

Tgt Ion:276 Resp: 812123
Ion Ratio Lower Upper
276 100
138 25.7 14.4 21.6#
277 23.8 18.0 27.0





#28

Dibenzo(a,h)anthracene

Concen: 20.17 ng/ul

RT: 28.51 min Scan# 4327

Delta R.T. -0.10 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

Instrument :

BNA_G

ClientSampleId :

SSTD02026

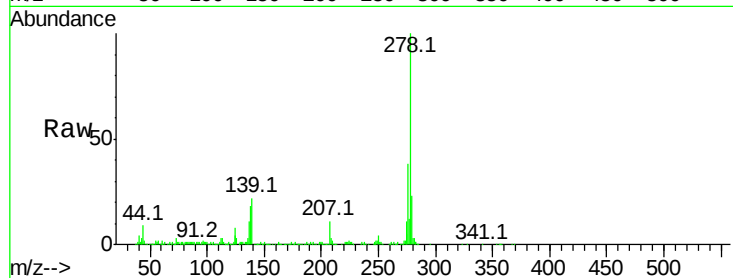
Tot Ion:278 Resp: 657739

Ion Ratio Lower Upper

278 100

139 21.6 12.2 18.4#

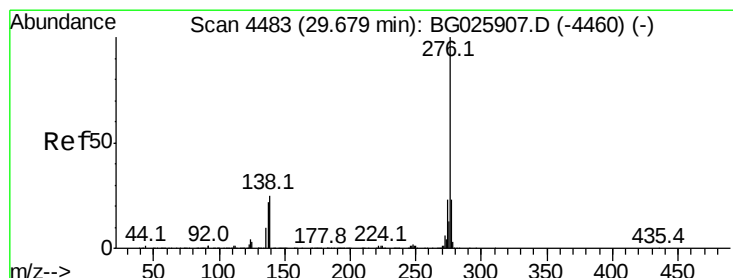
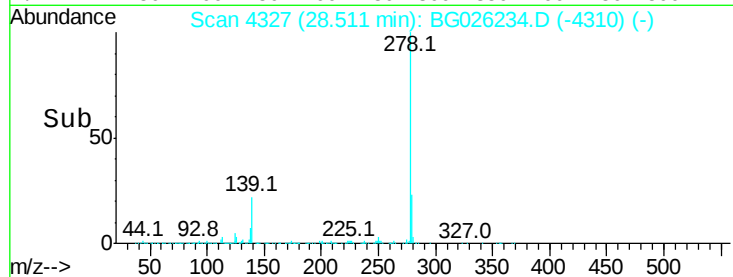
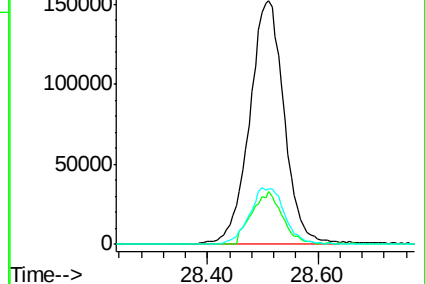
279 22.9 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 20.64 ng/ul

RT: 29.57 min Scan# 4508

Delta R.T. -0.13 min

Lab File: BG026234.D

Acq: 15 Mar 2017 14:04

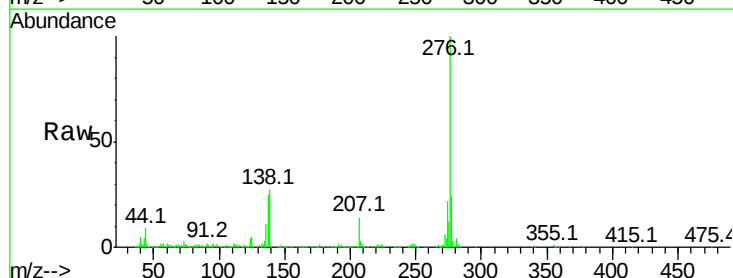
Tgt Ion:276 Resp: 670583

Ion Ratio Lower Upper

276 100

138 26.8 15.3 22.9#

277 23.5 19.0 28.4



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

