

Data File : BG025921.D
Acq On : 22 Feb 2017 1:45
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02027

Quant Time: Feb 22 02:48:45 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 21 23:44:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	144816	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	694882	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.69	164	468300	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	861365	20.00	ng/ul	0.00
17) Chrysene-d12	21.67	240	832360	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	825352	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	840043	21.66	ng/ul	0.00
10) Fluorene-d10	15.68	176	588033	19.75	ng/ul	0.00
14) Anthracene-d10	17.52	188	826885	21.23	ng/ul	0.00
18) Pyrene-d10	19.79	212	812392	20.25	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	775878	21.24	ng/ul	0.01

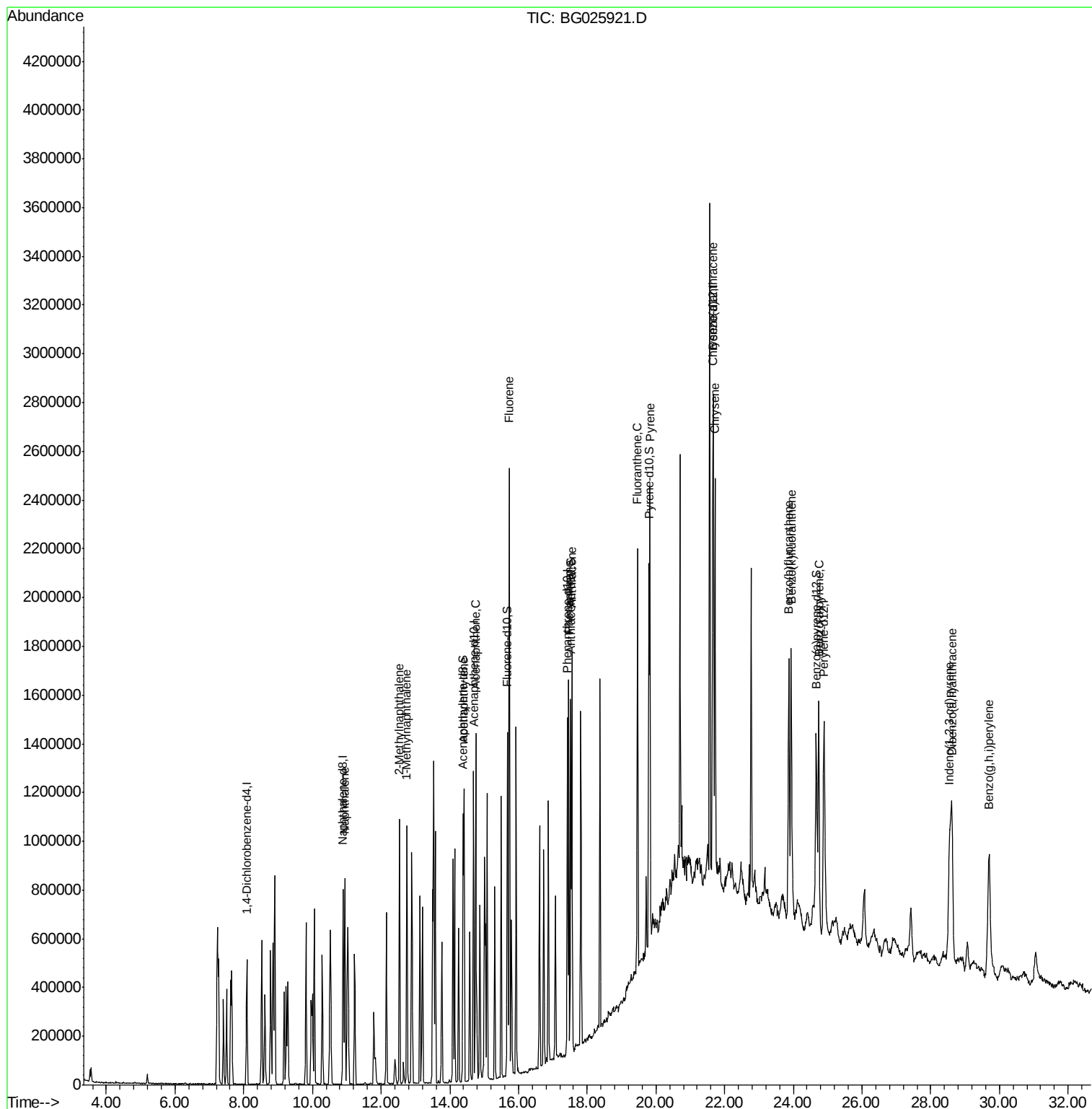
Target Compounds				Qvalue		
3) Naphthalene	10.94	128	713173	20.81	ng/ul	99
4) 2-Methylnaphthalene	12.53	142	551769	20.43	ng/ul	98
5) 1-Methylnaphthalene	12.75	142	532777	20.24	ng/ul#	91
8) Acenaphthylene	14.41	152	839689	21.14	ng/ul	97
9) Acenaphthene	14.75	153	598971	21.10	ng/ul	96
11) Fluorene	15.73	166	662404	19.89	ng/ul	96
13) Phenanthrene	17.46	178	963601	20.97	ng/ul	98
15) Anthracene	17.56	178	982054	21.04	ng/ul	97
16) Fluoranthene	19.46	202	1012345	20.05	ng/ul	99
19) Pyrene	19.82	202	1020378	20.26	ng/ul#	93
20) Benzo(a)anthracene	21.66	228	998154	21.32	ng/ul	94
21) Chrysene	21.72	228	943720	21.09	ng/ul	97
23) Benzo(b)fluoranthene	23.87	252	981937	20.59	ng/ul#	97
24) Benzo(k)fluoranthene	23.94	252	972125	21.10	ng/ul#	98
26) Benzo(a)pyrene	24.74	252	961949	20.84	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	28.55	276	1156231	21.39	ng/ul#	94
28) Dibenzo(a,h)anthracene	28.61	278	959640	21.44	ng/ul#	96
29) Benzo(g,h,i)perylene	29.70	276	918092	20.59	ng/ul#	93

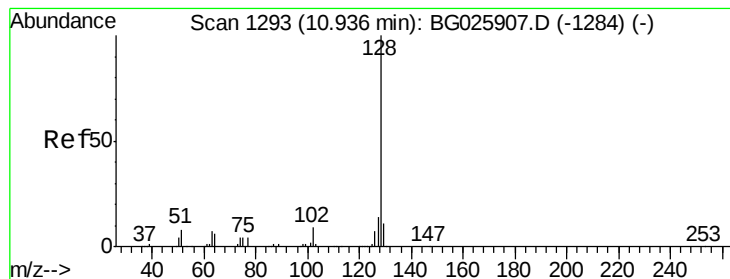
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.81 ng/ul

RT: 10.94 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

BNA_G

ClientSampleId :

SSTD02027

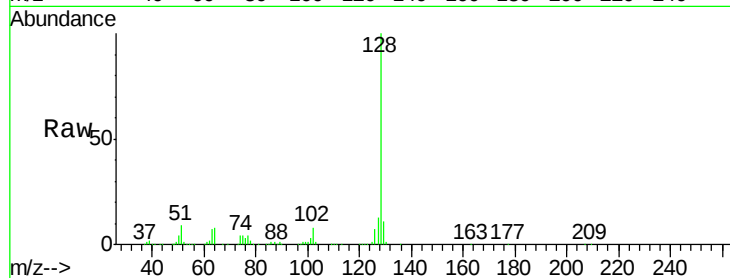
Tgt Ion:128 Resp: 713173

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

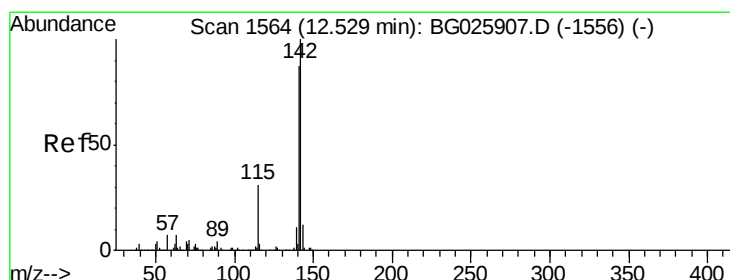
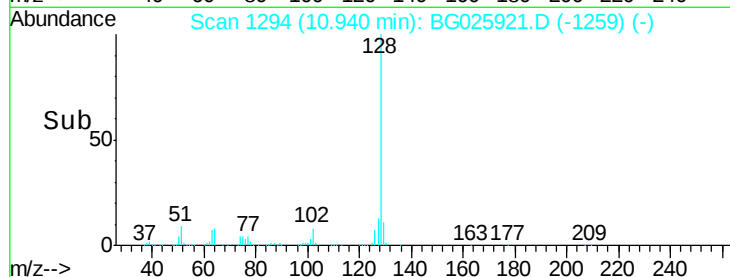
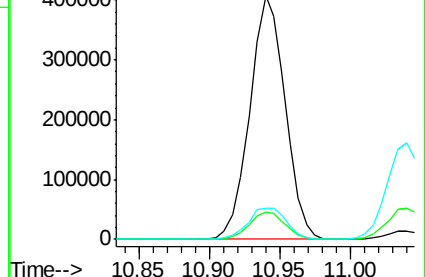
127 12.8 10.6 16.0



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: 20.43 ng/ul

RT: 12.53 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BG025921.D

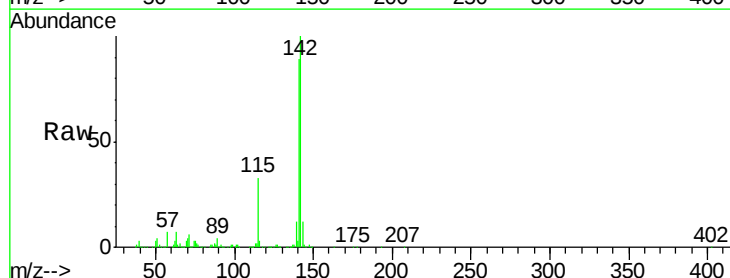
Acq: 22 Feb 2017 1:45

Tgt Ion:142 Resp: 551769

Ion Ratio Lower Upper

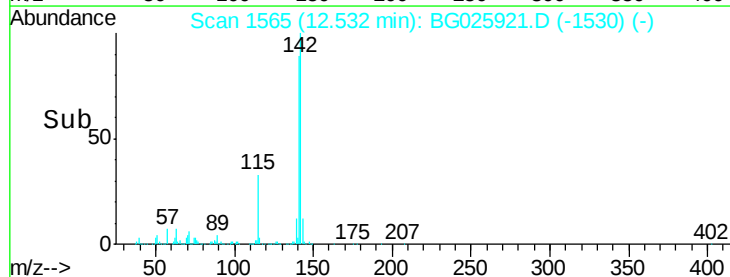
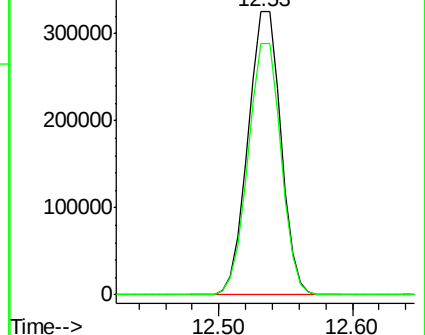
142 100

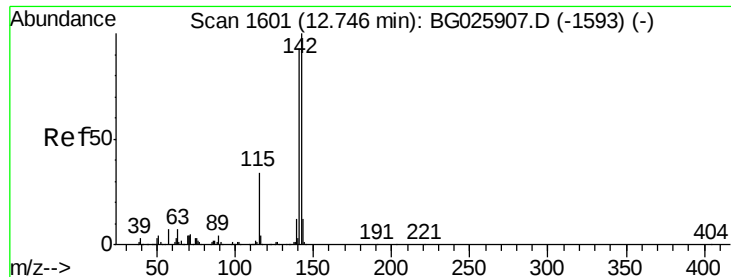
141 88.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.24 ng/ul

RT: 12.75 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

BNA_G

ClientSampleId :

SSTD02027

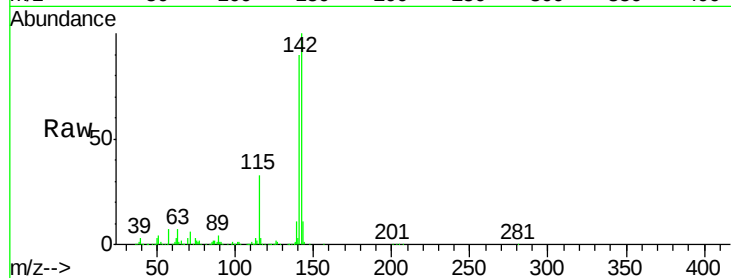
Tgt Ion:142 Resp: 532777

Ion Ratio Lower Upper

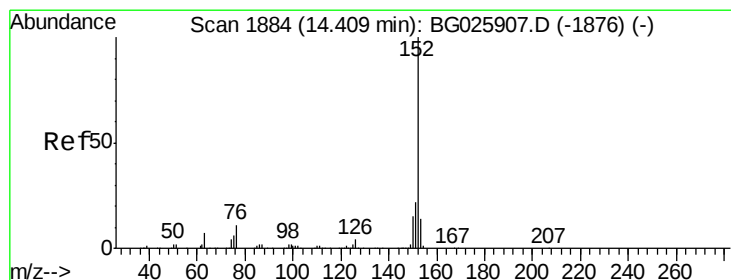
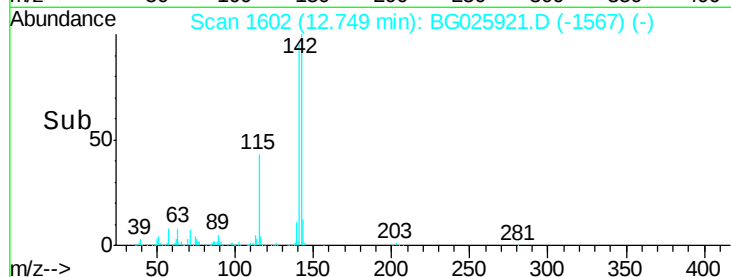
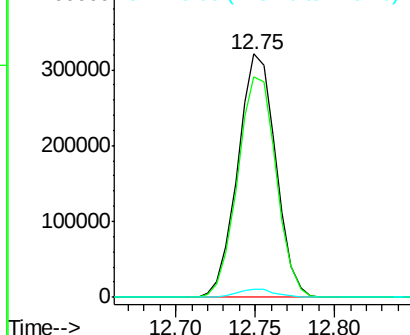
142 100

141 90.4 79.3 118.9

116 3.4 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: 21.14 ng/ul

RT: 14.41 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

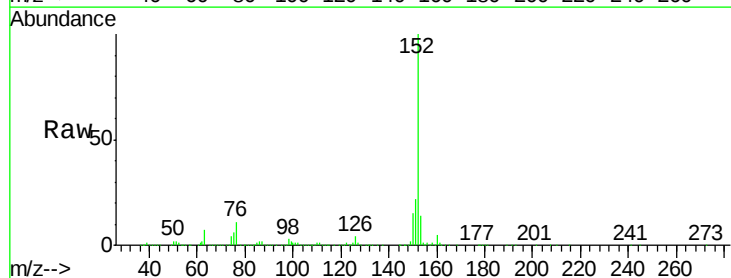
Tgt Ion:152 Resp: 839689

Ion Ratio Lower Upper

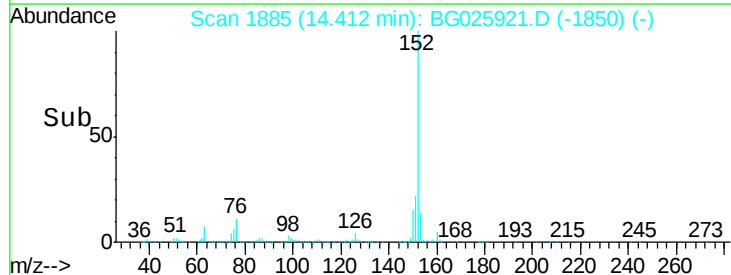
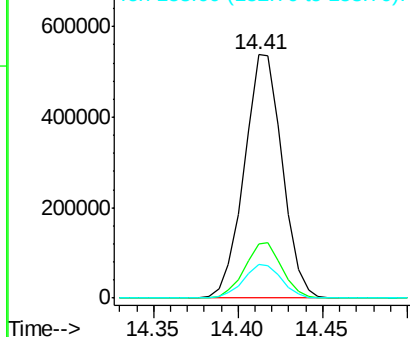
152 100

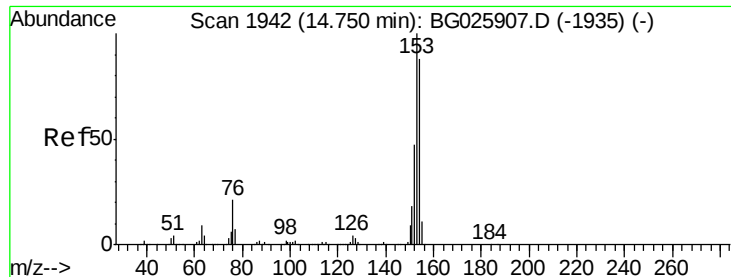
151 22.3 16.7 25.1

153 13.9 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: 21.10 ng/ul

RT: 14.75 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

BNA_G

ClientSampleId :

SSTD02027

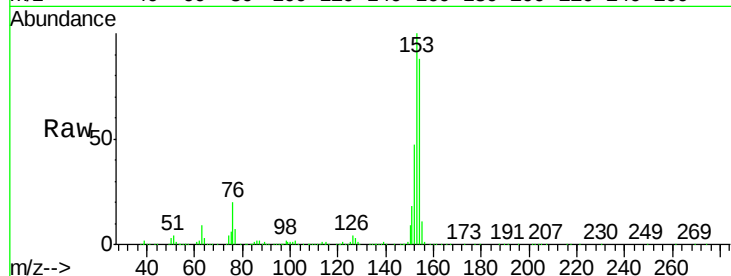
Tgt Ion:153 Resp: 598971

Ion Ratio Lower Upper

153 100

152 47.3 39.0 58.6

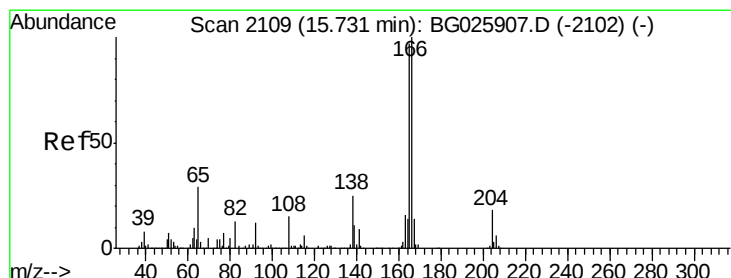
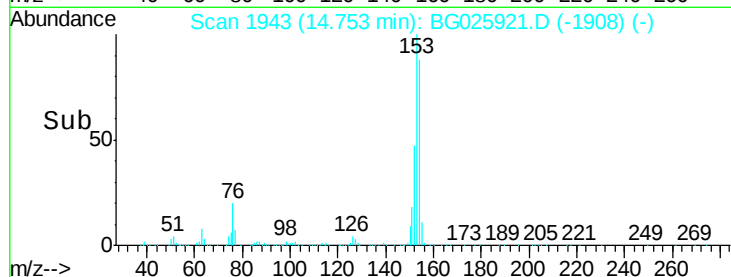
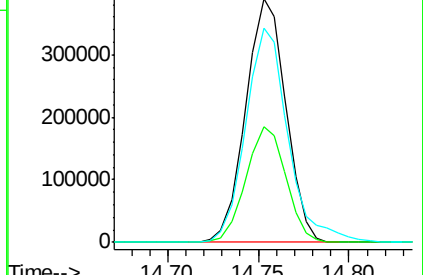
154 88.0 66.8 100.2



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: 19.89 ng/ul

RT: 15.73 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

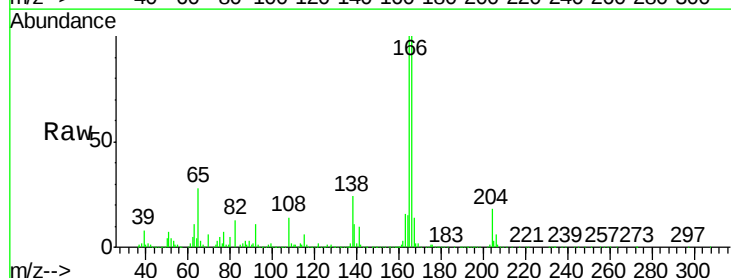
Tgt Ion:166 Resp: 662404

Ion Ratio Lower Upper

166 100

165 100.4 83.8 125.8

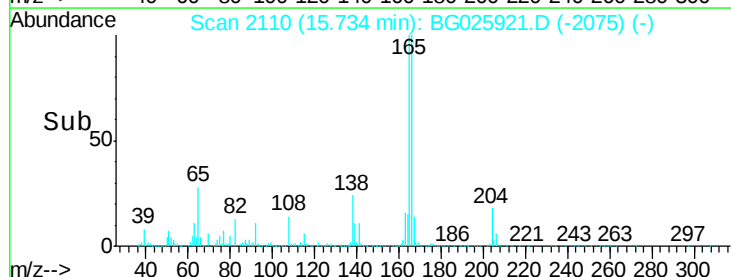
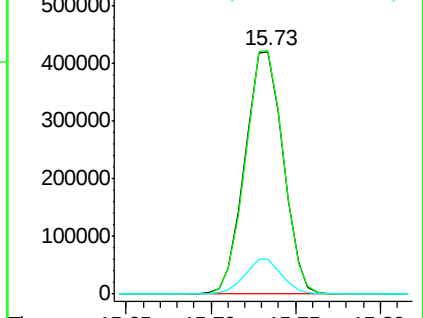
167 14.2 11.5 17.3

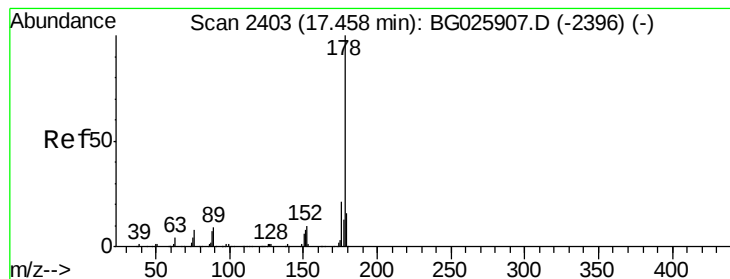


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.97 ng/ul

RT: 17.46 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

BNA_G

ClientSampleId :

SSTD02027

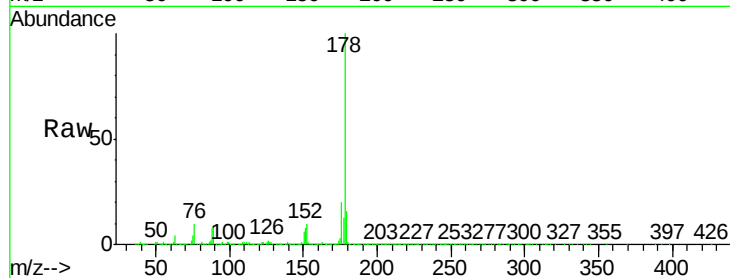
Tgt Ion:178 Resp: 963601

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

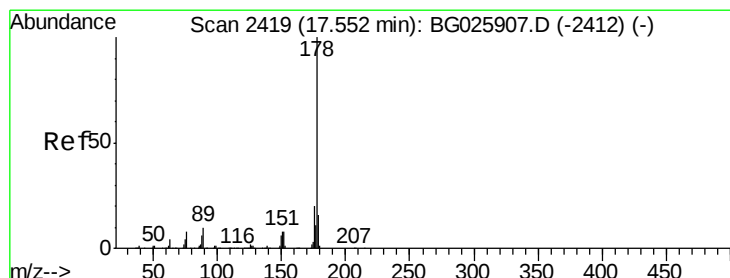
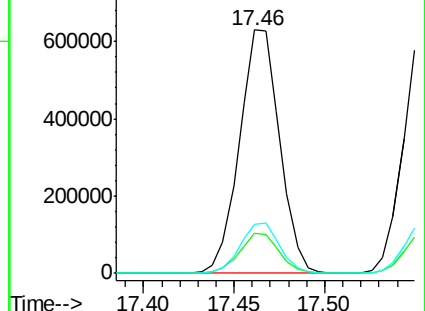
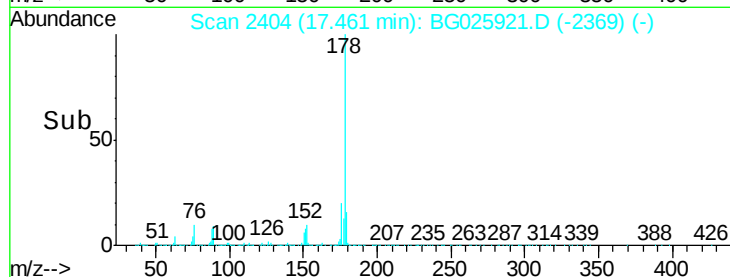
176 20.2 15.1 22.7



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



#15

Anthracene

Concen: 21.04 ng/ul

RT: 17.56 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

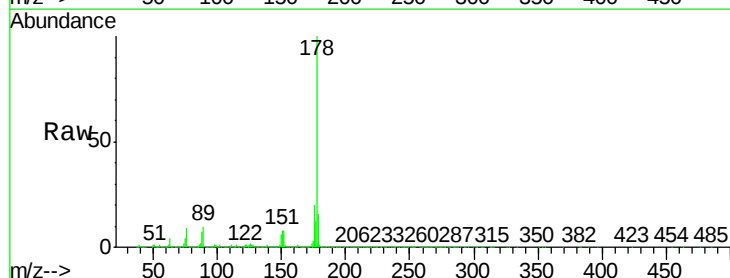
Tgt Ion:178 Resp: 982054

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

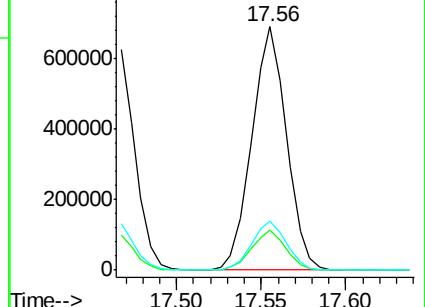
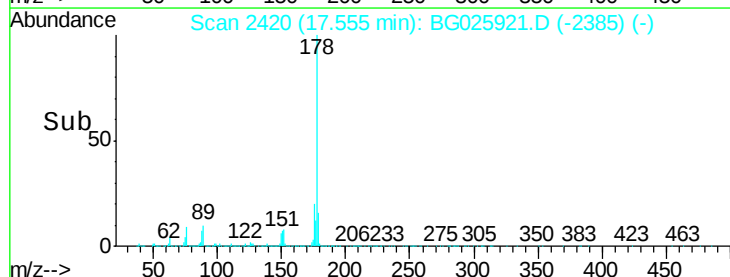
176 20.1 15.2 22.8

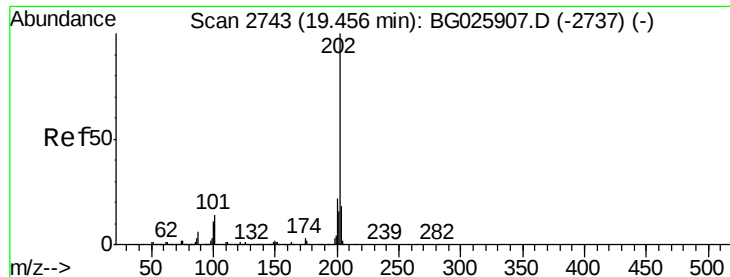


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 20.05 ng/ul

RT: 19.46 min Scan# 2745

Delta R.T. 0.01 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

BNA_G

ClientSampleId :

SSTD02027

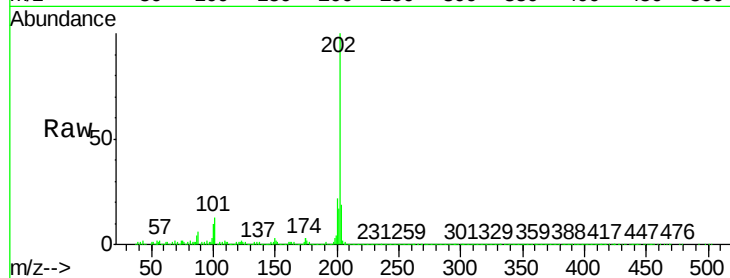
Tgt Ion:202 Resp: 1012345

Ion Ratio Lower Upper

202 100

101 12.6 9.9 14.9

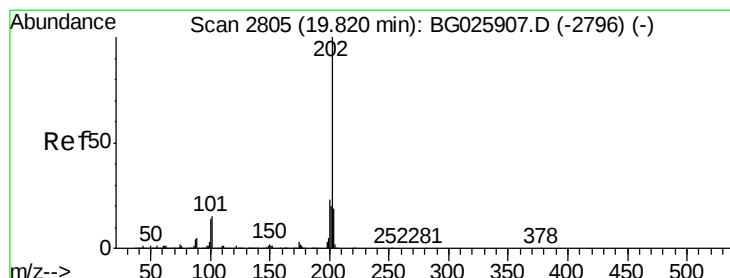
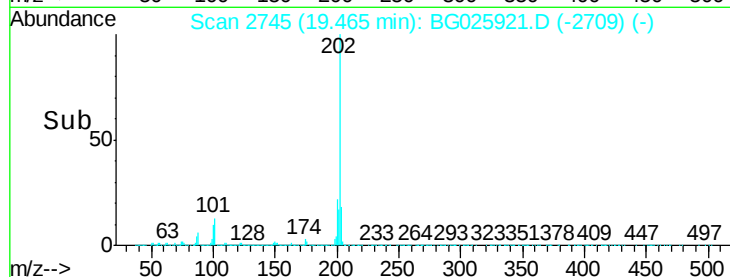
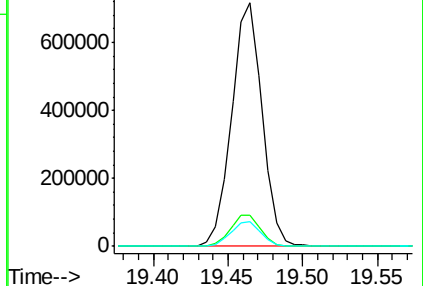
100 9.9 7.4 11.0



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



#19

Pyrene

Concen: 20.26 ng/ul

RT: 19.82 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

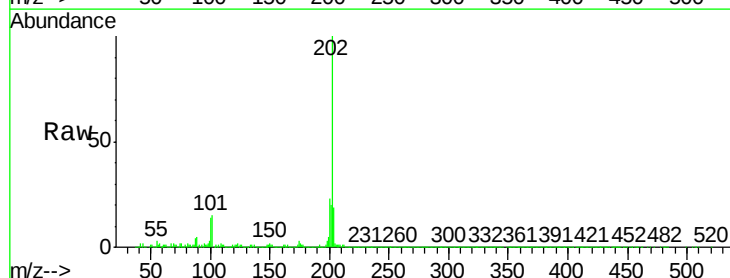
Tgt Ion:202 Resp: 1020378

Ion Ratio Lower Upper

202 100

101 15.5 11.0 16.4

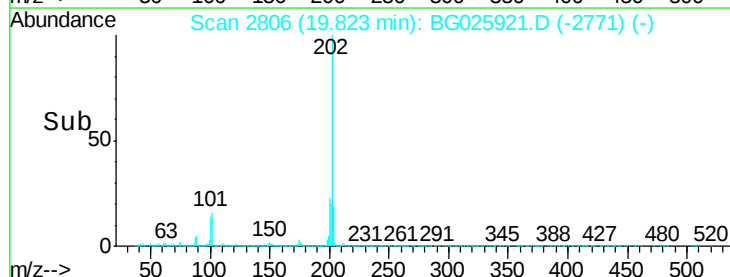
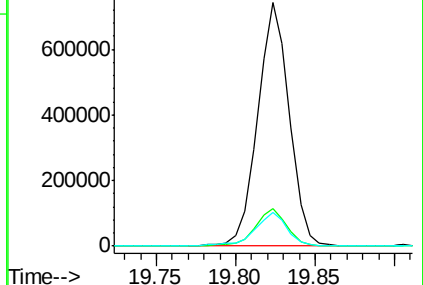
100 13.7 8.1 12.1#

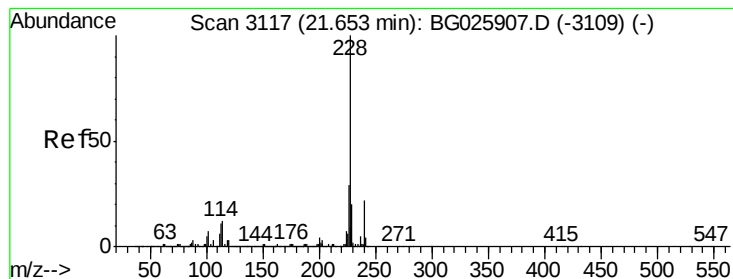


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 21.32 ng/ul

RT: 21.66 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BG025921.D

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ClientSampleId :

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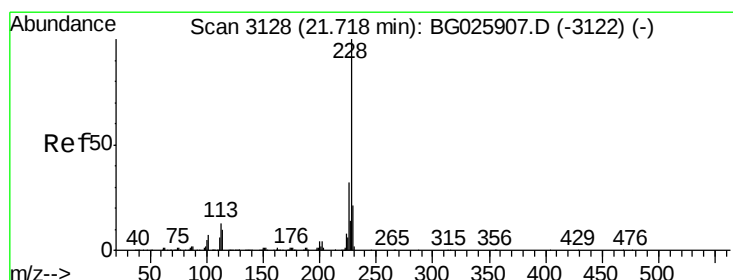
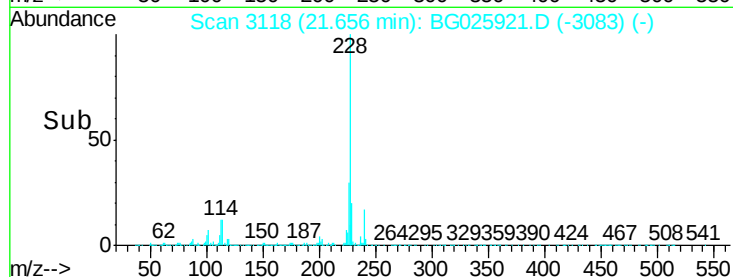
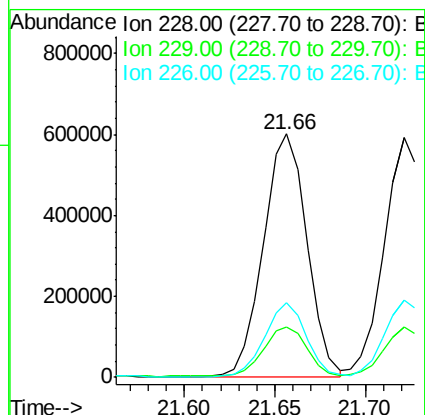
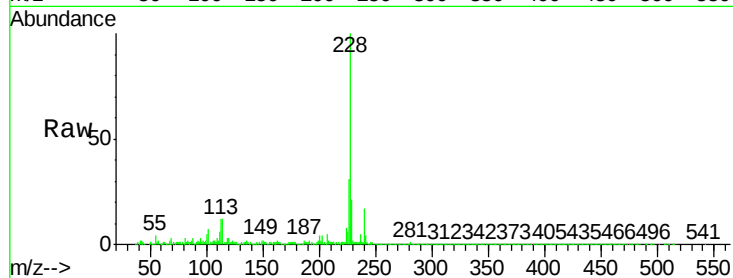
Tgt Ion:228 Resp: 998154

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

226 30.6 21.1 31.7



#21

Chrysene

Concen: 21.09 ng/ul

RT: 21.72 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

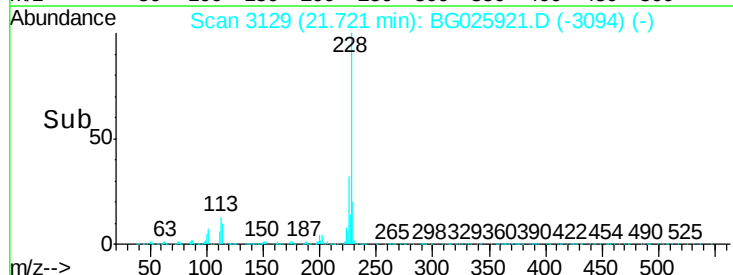
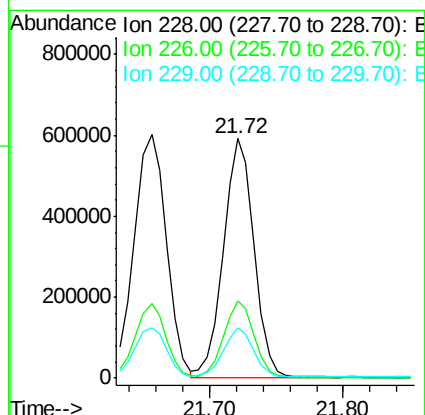
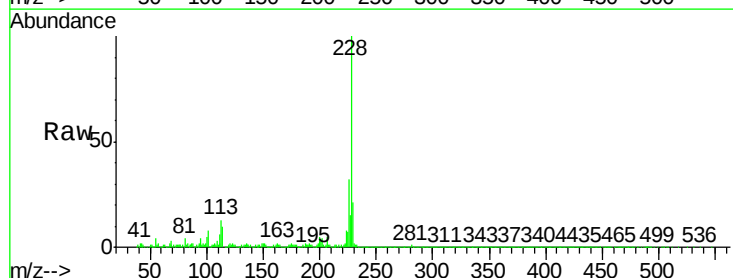
Tgt Ion:228 Resp: 943720

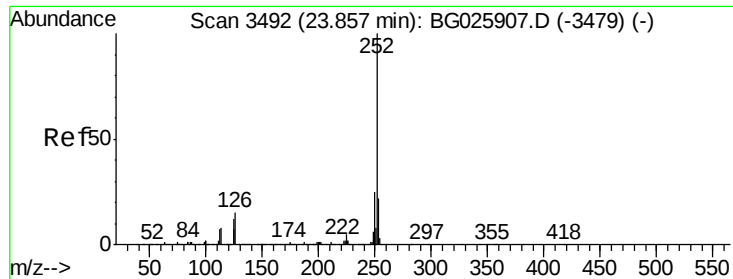
Ion Ratio Lower Upper

228 100

226 32.4 24.5 36.7

229 20.8 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.59 ng/ul

RT: 23.87 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

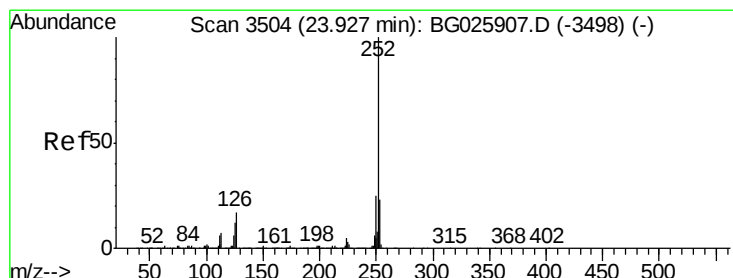
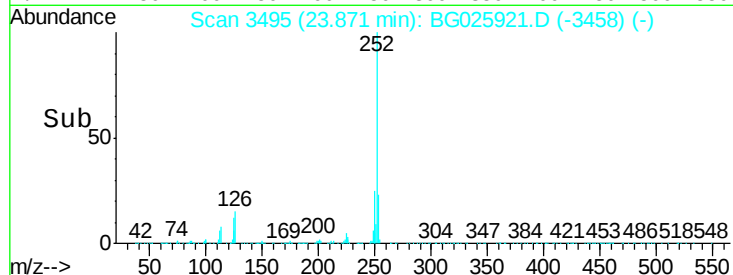
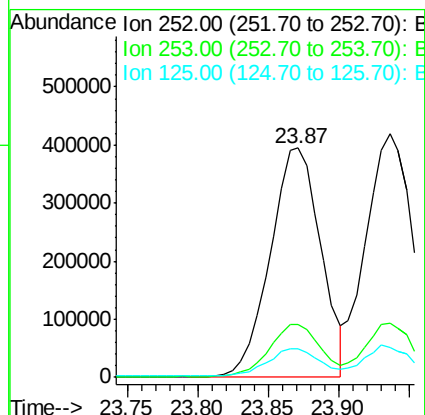
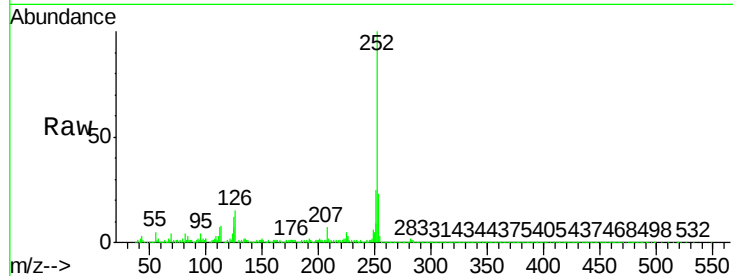
Instrument :

BNA_G

ClientSampleId :

SSTD02027

Tgt Ion:	252	Resp:	981937
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	12.5	8.0	12.0#



#24

Benzo(k)fluoranthene

Concen: 21.10 ng/ul

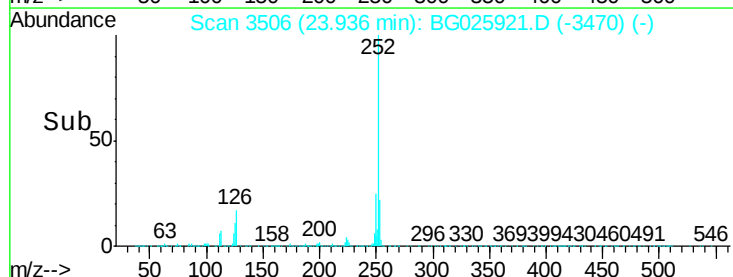
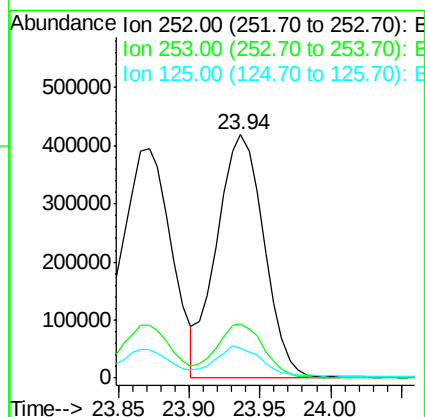
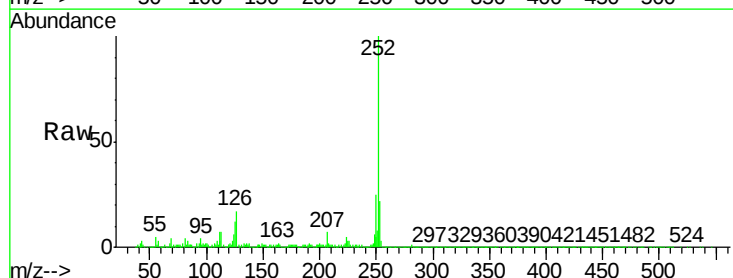
RT: 23.94 min Scan# 3506

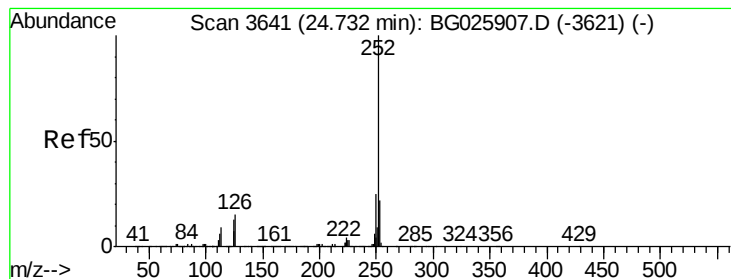
Delta R.T. 0.01 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Tgt Ion:	252	Resp:	972125
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.0	27.0
125	12.3	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 20.84 ng/ul

RT: 24.74 min Scan# 3643

Delta R.T. 0.01 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

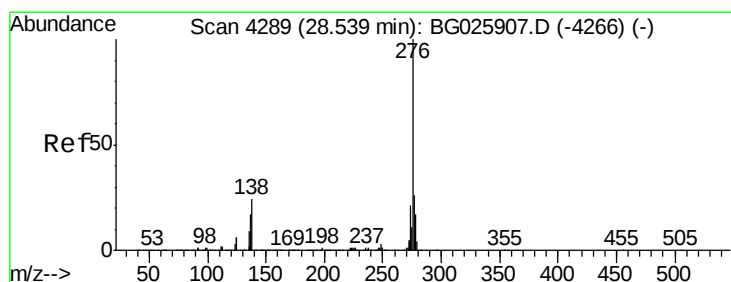
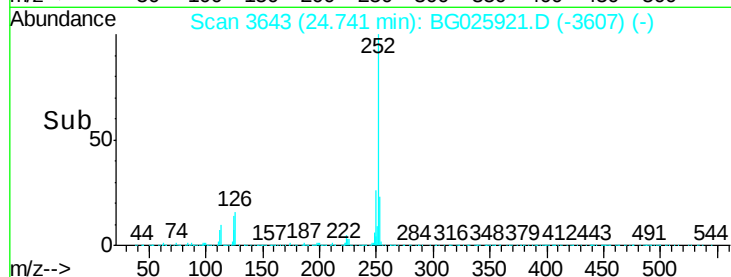
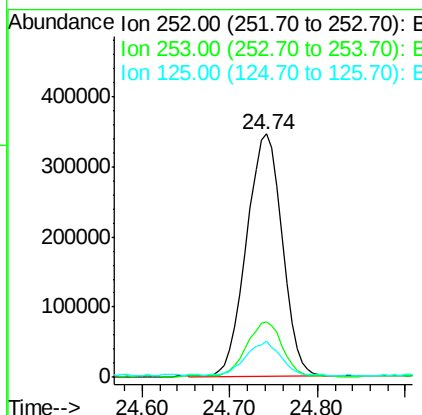
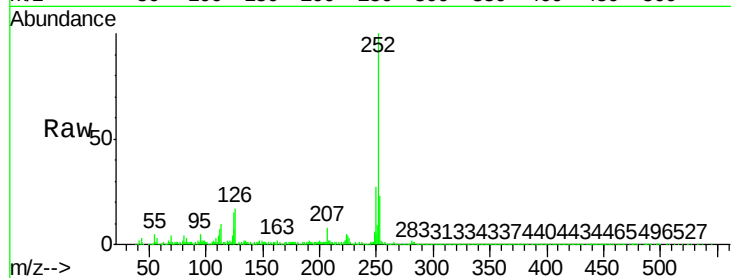
BNA_G

ClientSampleId :

SSTD02027

Tgt Ion:252 Resp: 961949

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	15.1	8.2	12.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 21.39 ng/ul

RT: 28.55 min Scan# 4292

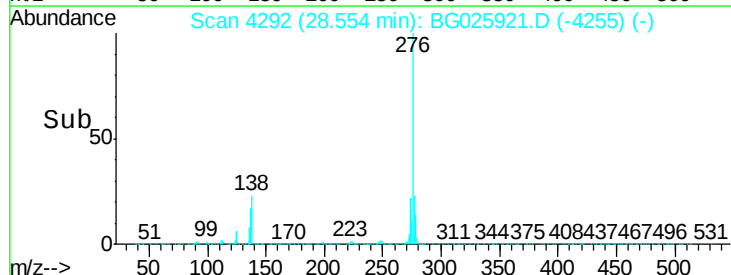
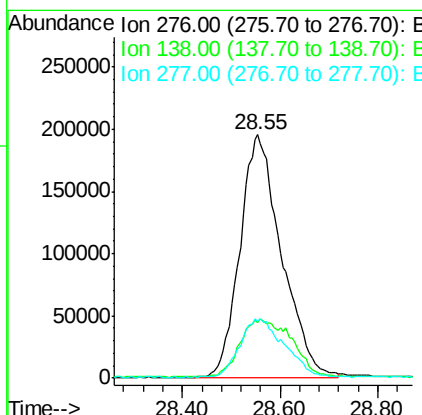
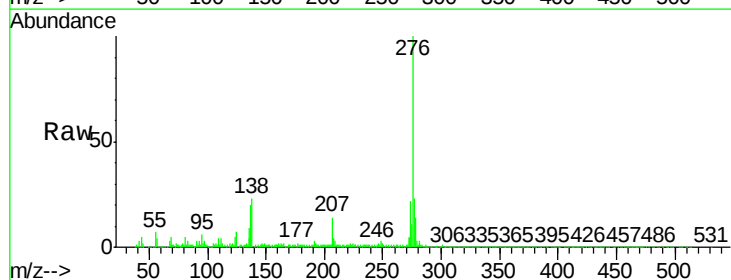
Delta R.T. 0.01 min

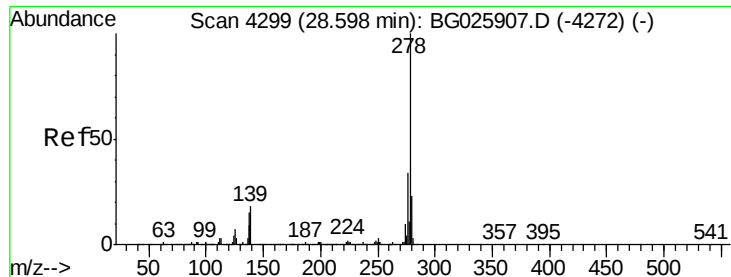
Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Tgt Ion:276 Resp: 1156231

Ion	Ratio	Lower	Upper
276	100		
138	23.0	14.4	21.6#
277	23.1	18.0	27.0





#28

Dibenzo(a,h)anthracene

Concen: 21.44 ng/ul

RT: 28.61 min Scan# 4302

Delta R.T. 0.01 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

Instrument :

BNA_G

ClientSampleId :

SSTD02027

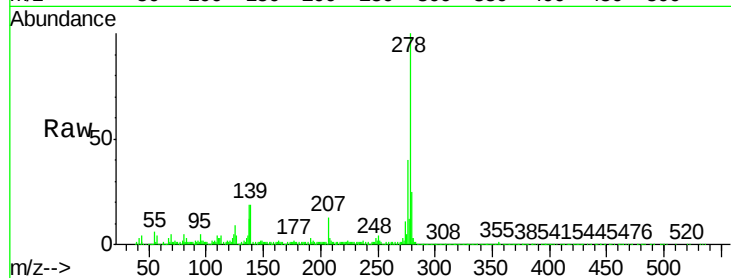
Tgt Ion:278 Resp: 959640

Ion Ratio Lower Upper

278 100

139 18.6 12.2 18.4#

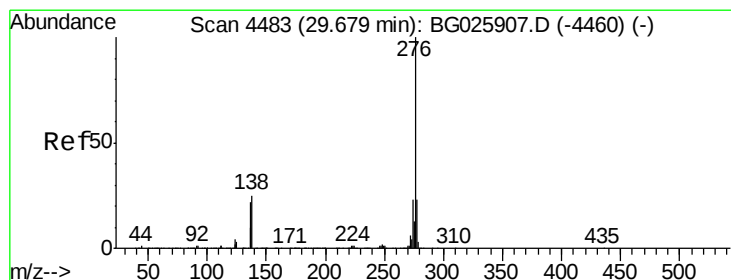
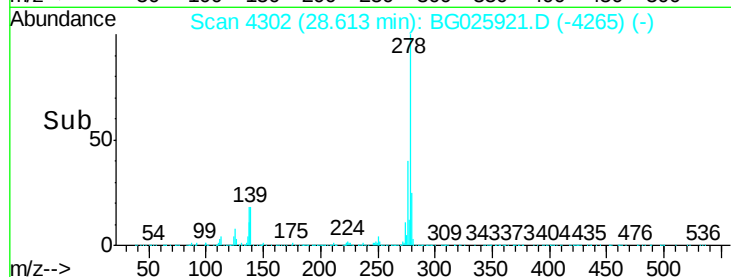
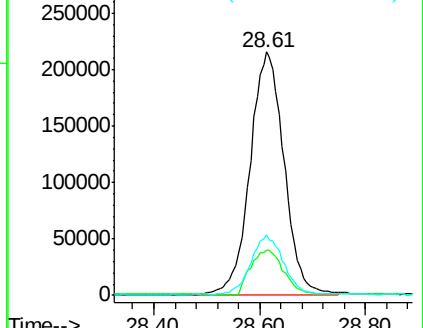
279 24.9 19.2 28.8



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: 20.59 ng/ul

RT: 29.70 min Scan# 4487

Delta R.T. 0.02 min

Lab File: BG025921.D

Acq: 22 Feb 2017 1:45

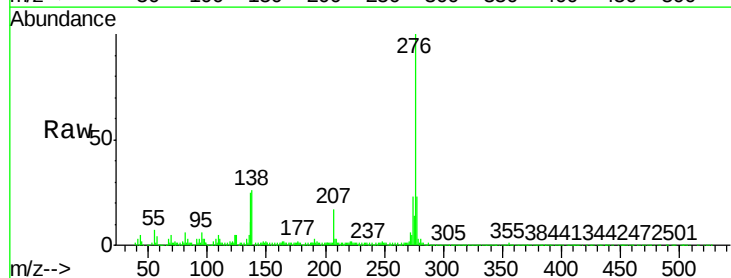
Tgt Ion:276 Resp: 918092

Ion Ratio Lower Upper

276 100

138 26.1 15.3 22.9#

277 23.3 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

