

Data File : BG025881.D
Acq On : 20 Feb 2017 20:06
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02023

Quant Time: Feb 21 01:12:12 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 21 01:07:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	114790	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	580206	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.68	164	410843	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	849353	20.00	ng/ul	0.00
17) Chrysene-d12	21.66	240	812624	20.00	ng/ul	0.00
22) Perylene-d12	24.87	264	809744	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	730721	21.48	ng/ul	0.00
10) Fluorene-d10	15.67	176	532978	20.40	ng/ul	0.00
14) Anthracene-d10	17.52	188	803057	20.91	ng/ul	0.00
18) Pyrene-d10	19.79	212	830463	21.20	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.65	264	742970	20.73	ng/ul	0.00

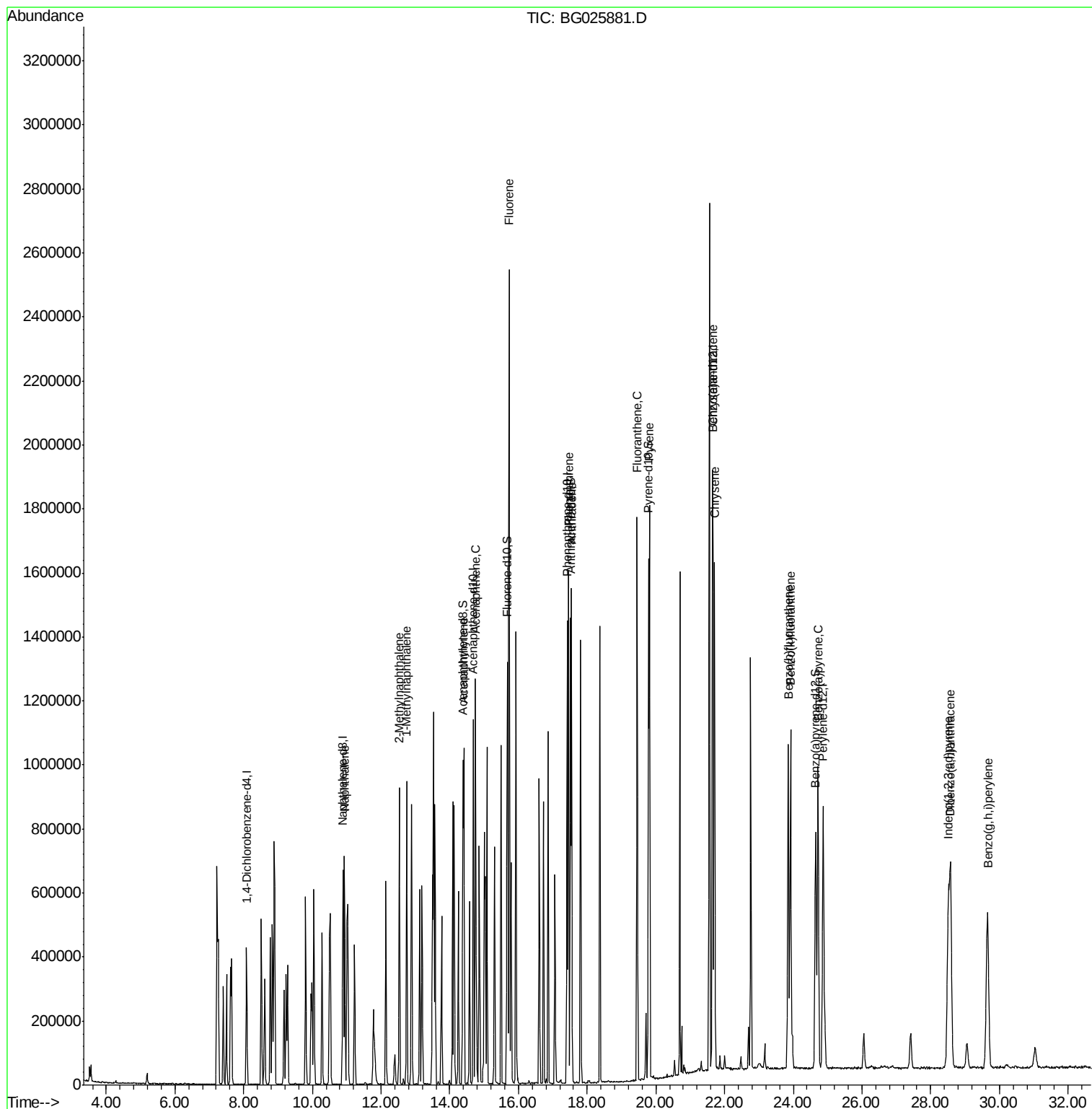
Target Compounds				Qvalue		
3) Naphthalene	10.93	128	595158	20.80	ng/ul	98
4) 2-Methylnaphthalene	12.53	142	466580	20.69	ng/ul	97
5) 1-Methylnaphthalene	12.74	142	454555	20.68	ng/ul#	95
8) Acenaphthylene	14.41	152	745999	21.40	ng/ul	99
9) Acenaphthene	14.75	153	532183	21.37	ng/ul	96
11) Fluorene	15.73	166	606597	20.76	ng/ul	98
13) Phenanthrene	17.46	178	951284	21.00	ng/ul	97
15) Anthracene	17.54	178	981373	21.32	ng/ul	98
16) Fluoranthene	19.45	202	1041829	20.92	ng/ul	97
19) Pyrene	19.82	202	1052573	21.40	ng/ul#	96
20) Benzo(a)anthracene	21.65	228	970965	21.24	ng/ul	97
21) Chrysene	21.71	228	923046	21.13	ng/ul	99
23) Benzo(b)fluoranthene	23.85	252	959224	20.50	ng/ul#	98
24) Benzo(k)fluoranthene	23.92	252	938872	20.77	ng/ul#	97
26) Benzo(a)pyrene	24.72	252	937458	20.70	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	28.52	276	1095062	20.65	ng/ul#	92
28) Dibenzo(a,h)anthracene	28.58	278	901960	20.54	ng/ul#	96
29) Benzo(g,h,i)perylene	29.67	276	897580	20.51	ng/ul#	95

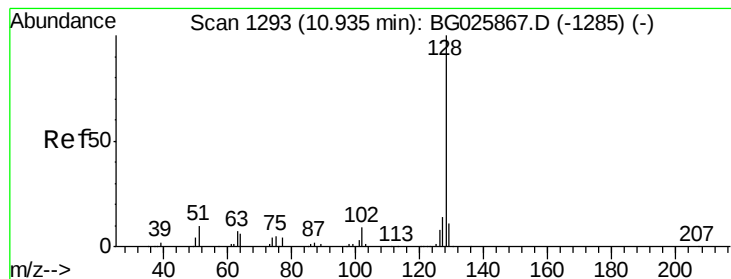
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.80 ng/ul

RT: 10.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

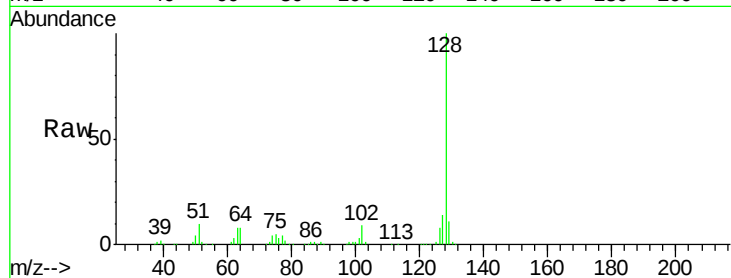
Tgt Ion:128 Resp: 595158

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

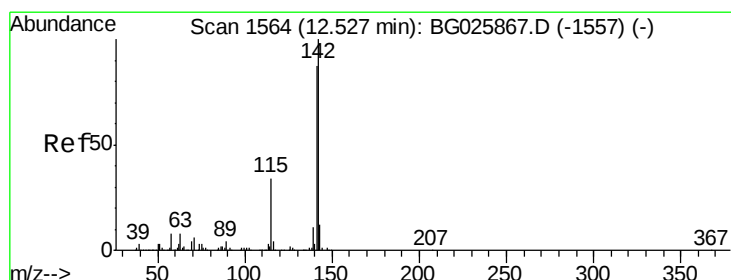
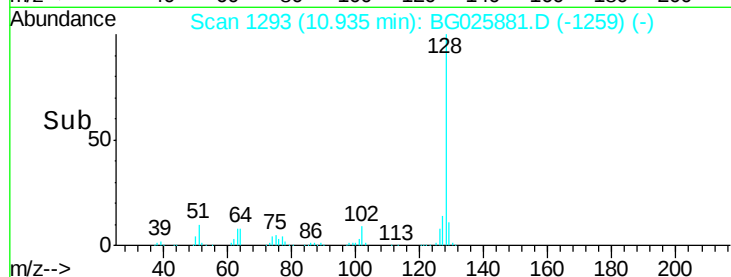
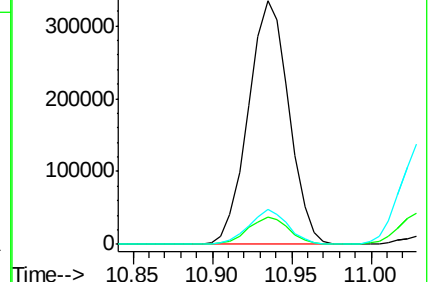
127 14.4 10.6 16.0



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: 20.69 ng/ul

RT: 12.53 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BG025881.D

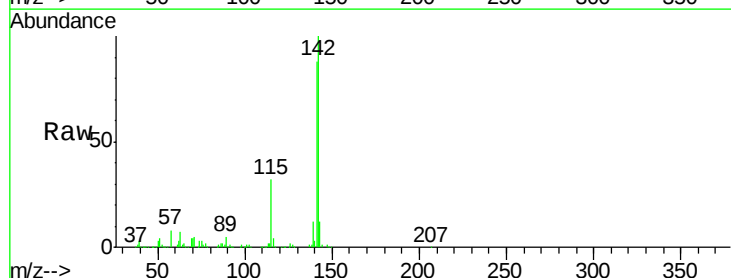
Acq: 20 Feb 2017 20:06

Tgt Ion:142 Resp: 466580

Ion Ratio Lower Upper

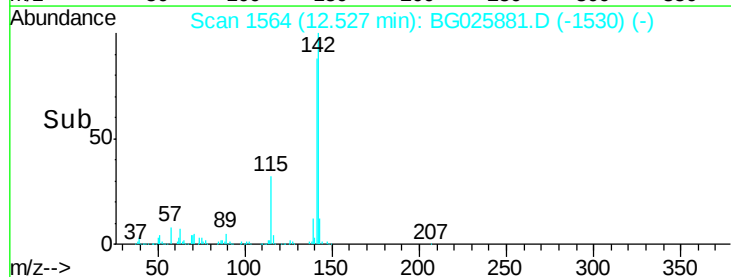
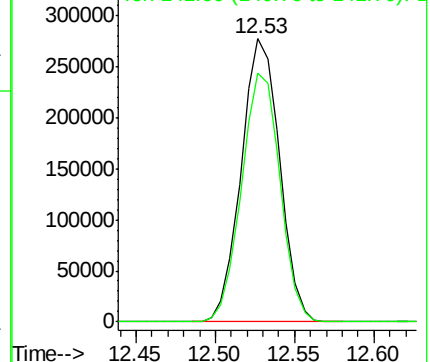
142 100

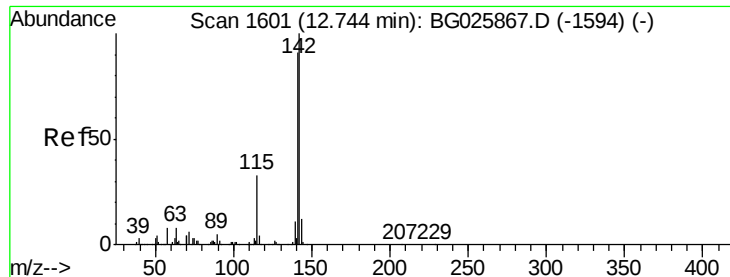
141 87.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.68 ng/ul

RT: 12.74 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

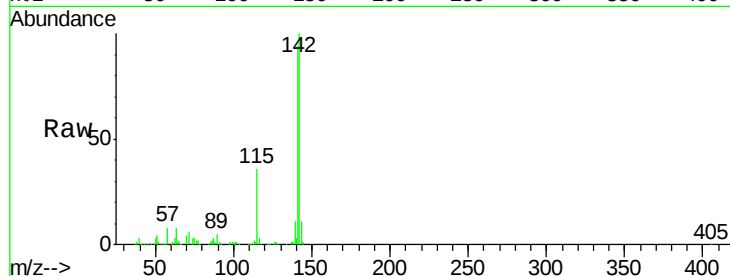
Tgt Ion:142 Resp: 454555

Ion Ratio Lower Upper

142 100

141 94.2 79.3 118.9

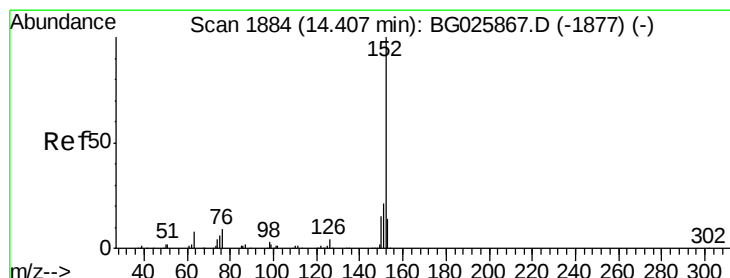
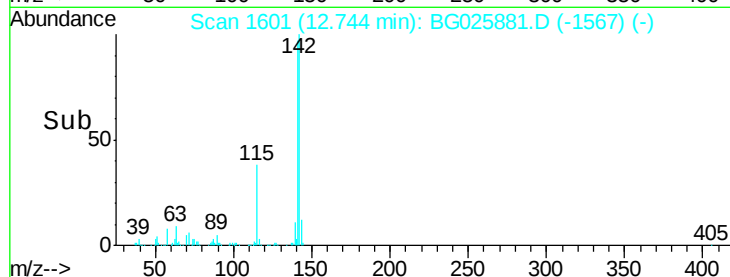
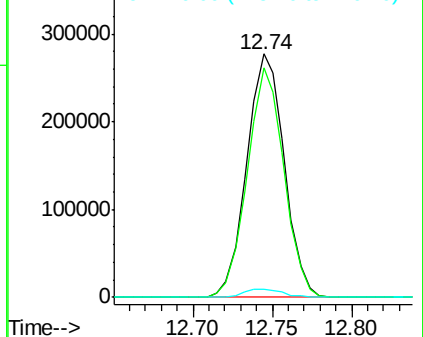
116 3.3 4.2 6.2#



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: 21.40 ng/ul

RT: 14.41 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

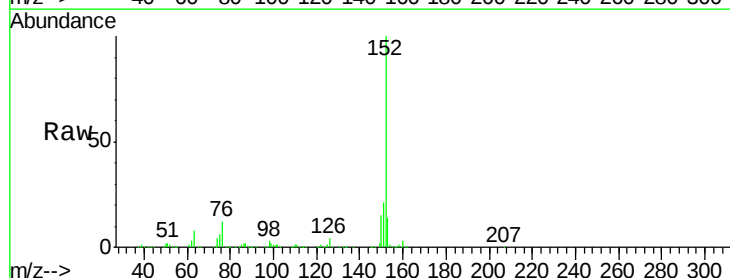
Tgt Ion:152 Resp: 745999

Ion Ratio Lower Upper

152 100

151 21.2 16.7 25.1

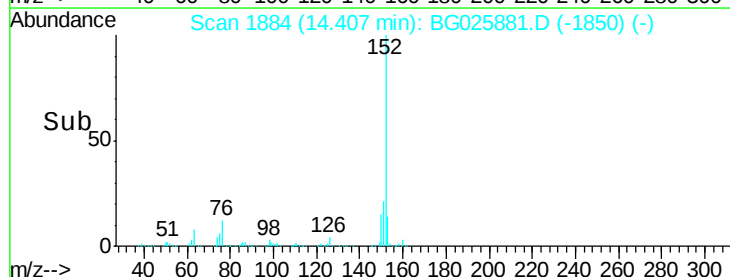
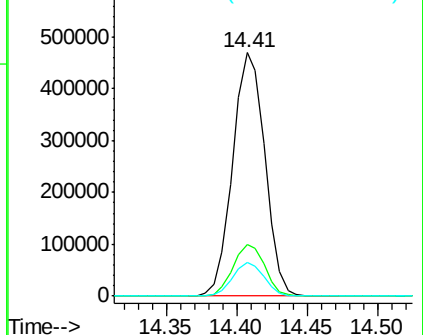
153 13.6 10.2 15.4

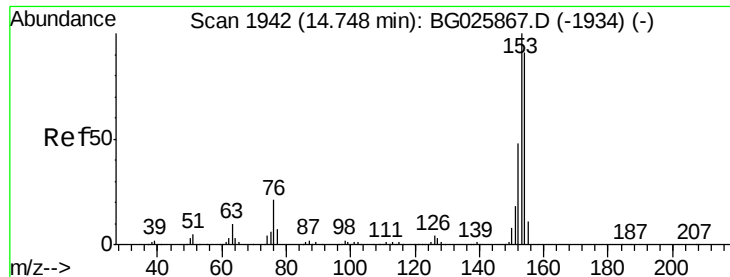


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 21.37 ng/ul

RT: 14.75 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

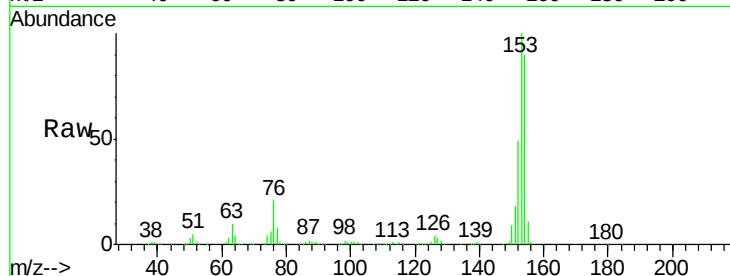
Tgt Ion:153 Resp: 532183

Ion Ratio Lower Upper

153 100

152 48.7 39.0 58.6

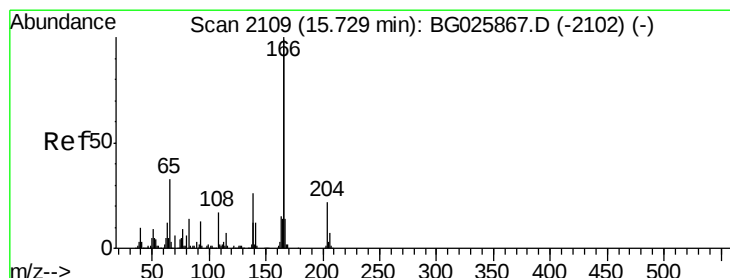
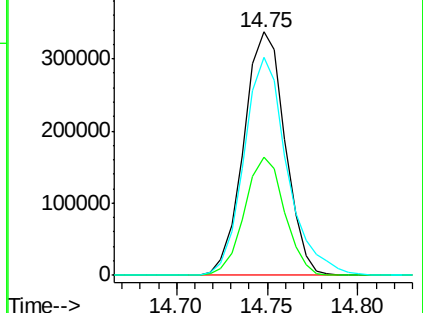
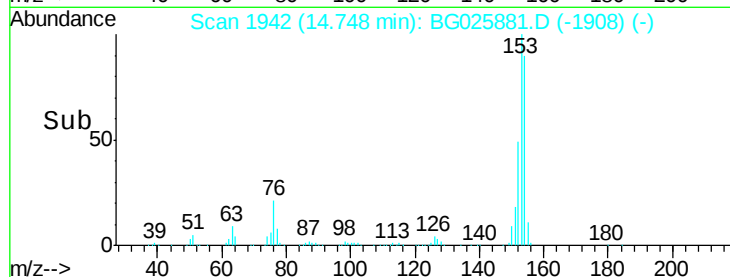
154 89.5 66.8 100.2



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: 20.76 ng/ul

RT: 15.73 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

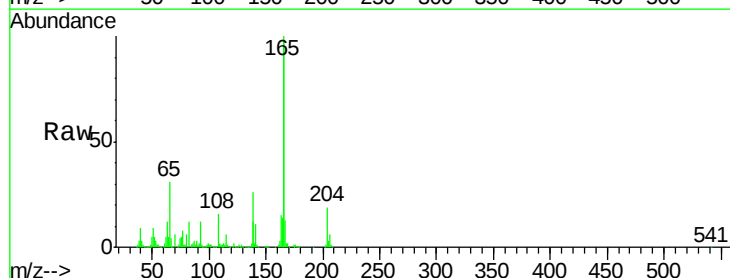
Tgt Ion:166 Resp: 606597

Ion Ratio Lower Upper

166 100

165 102.4 83.8 125.8

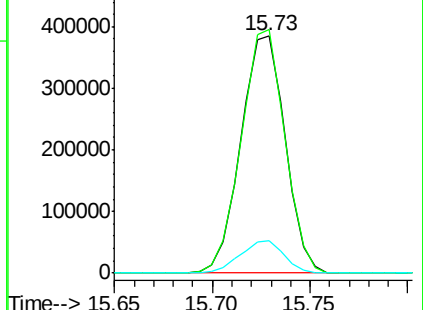
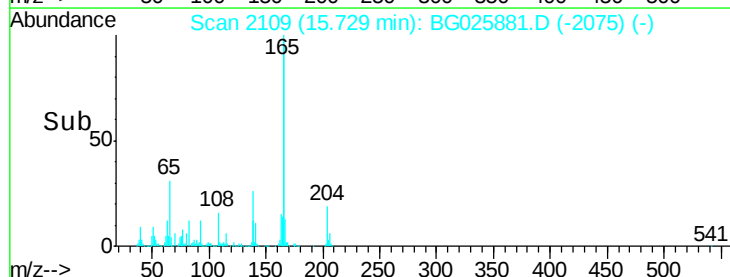
167 13.8 11.5 17.3

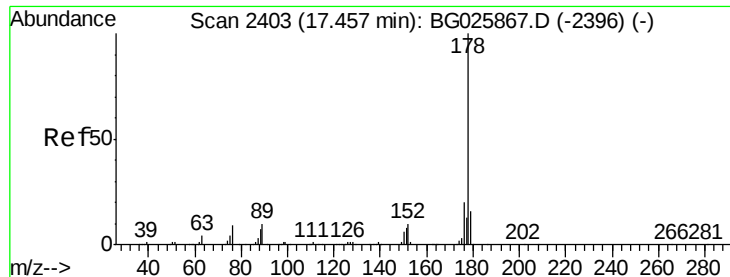


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 21.00 ng/ul

RT: 17.46 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

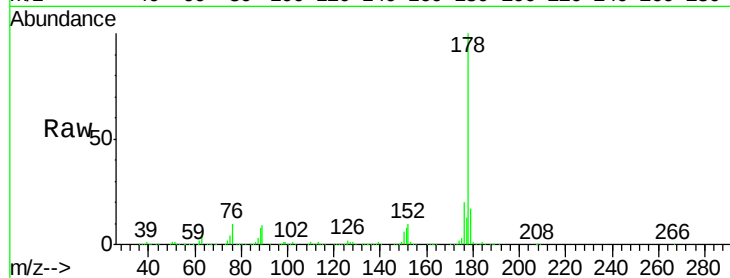
Tgt Ion:178 Resp: 951284

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

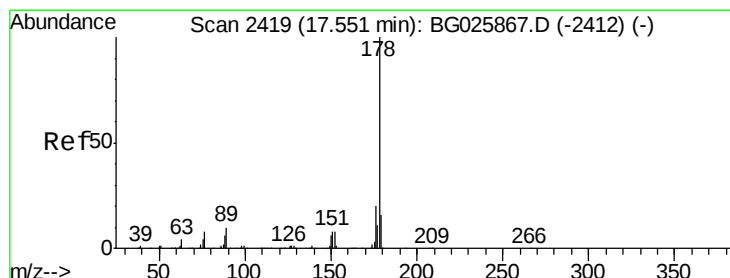
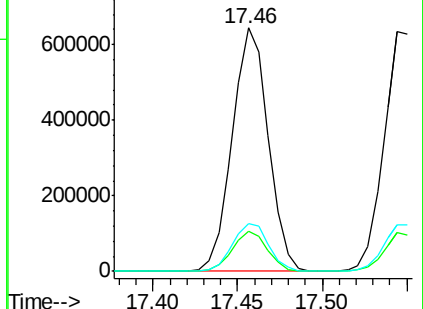
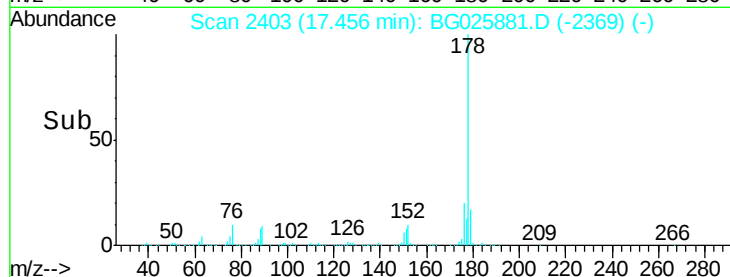
176 19.9 15.1 22.7



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: 21.32 ng/ul

RT: 17.54 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

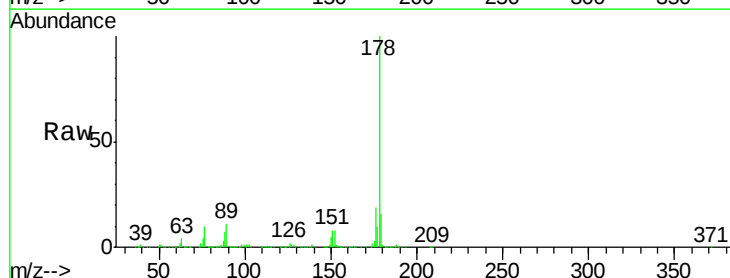
Tgt Ion:178 Resp: 981373

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

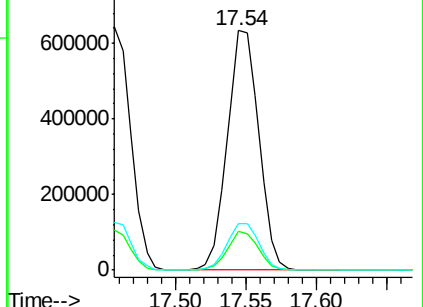
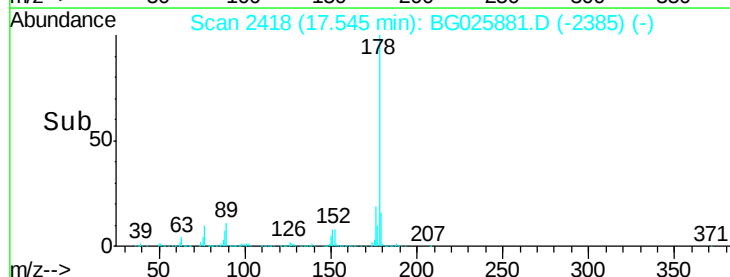
176 19.2 15.2 22.8

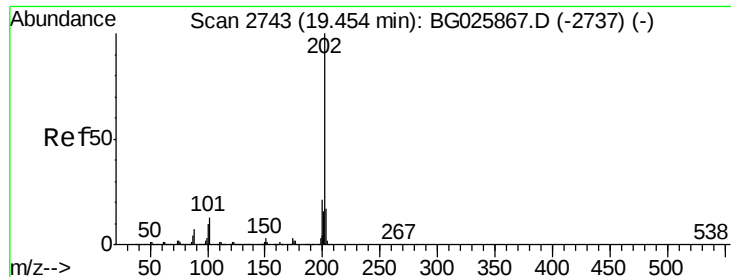


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 20.92 ng/ul

RT: 19.45 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

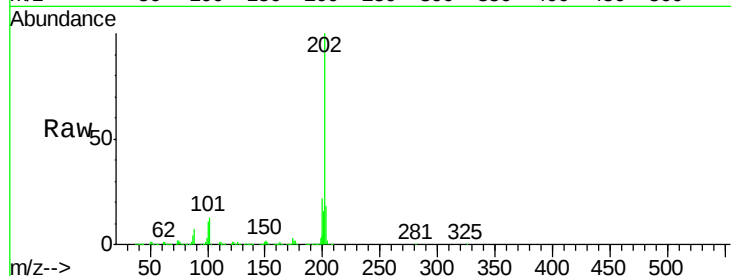
Tgt Ion:202 Resp: 1041829

Ion Ratio Lower Upper

202 100

101 13.0 9.9 14.9

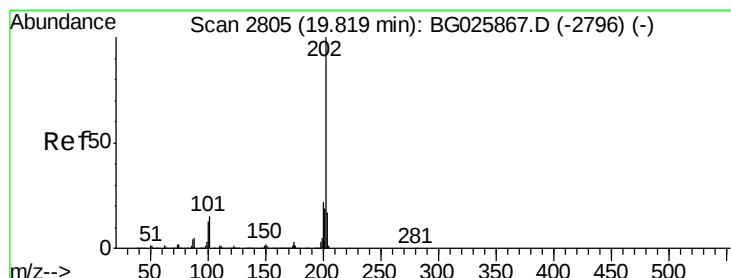
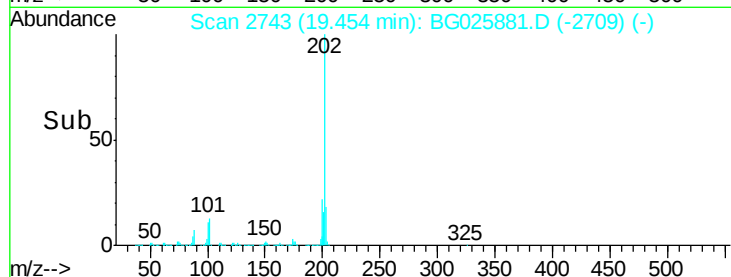
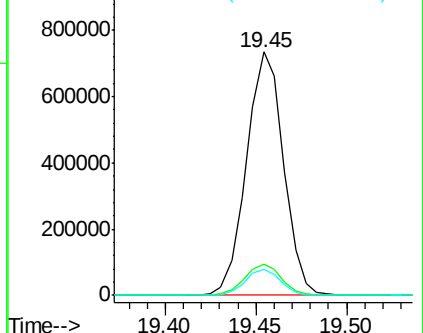
100 10.6 7.4 11.0



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: 21.40 ng/ul

RT: 19.82 min Scan# 2805

Delta R.T. -0.00 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

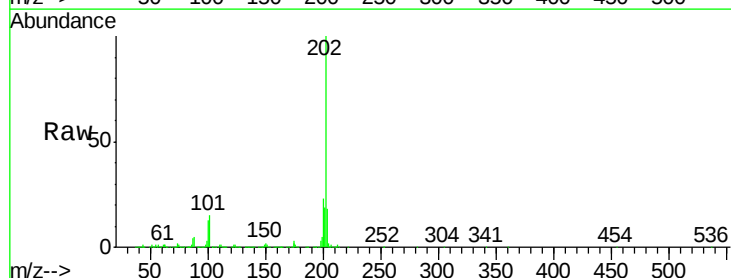
Tgt Ion:202 Resp: 1052573

Ion Ratio Lower Upper

202 100

101 14.7 11.0 16.4

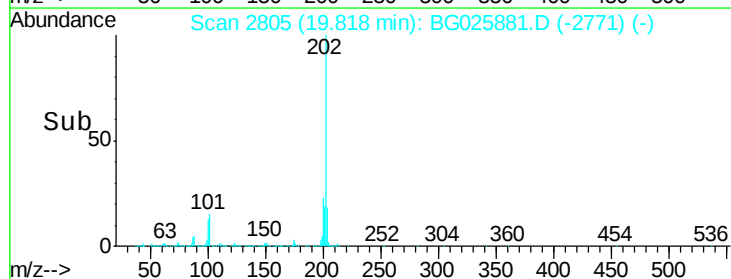
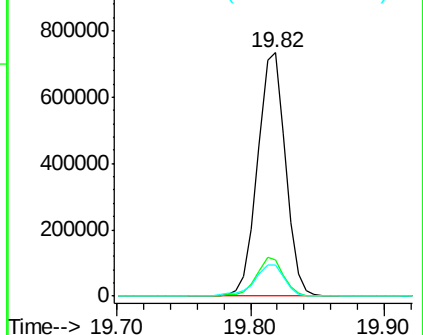
100 12.5 8.1 12.1#

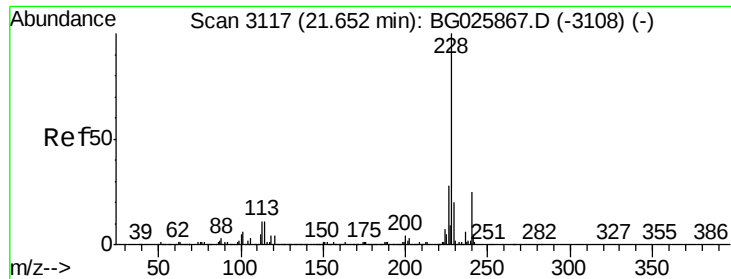


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 21.24 ng/ul

RT: 21.65 min Scan# 3116

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

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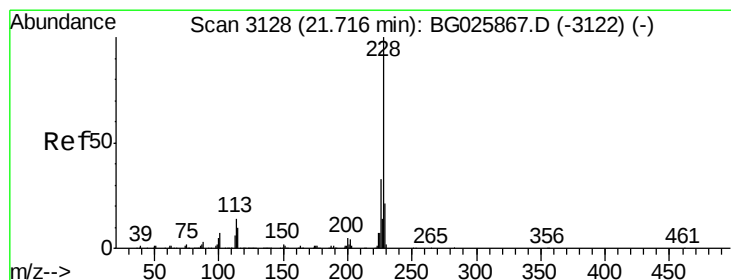
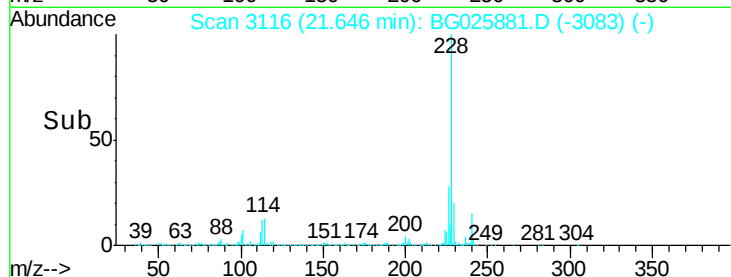
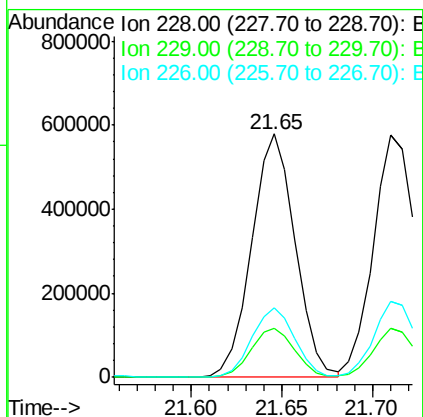
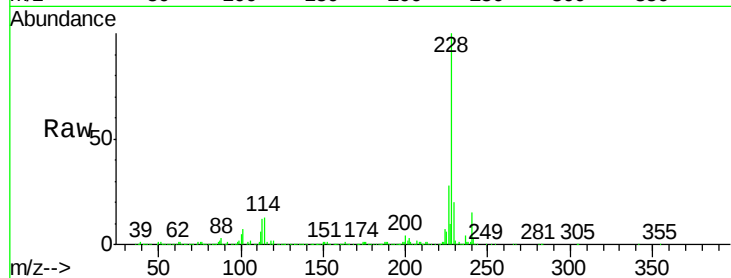
Tgt Ion:228 Resp: 970965

Ion Ratio Lower Upper

228 100

229 20.0 15.7 23.5

226 28.4 21.1 31.7



#21

Chrysene

Concen: 21.13 ng/ul

RT: 21.71 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

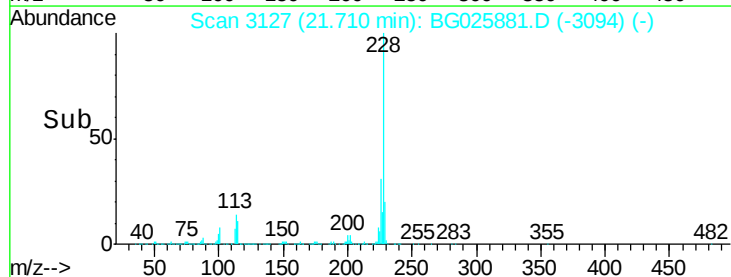
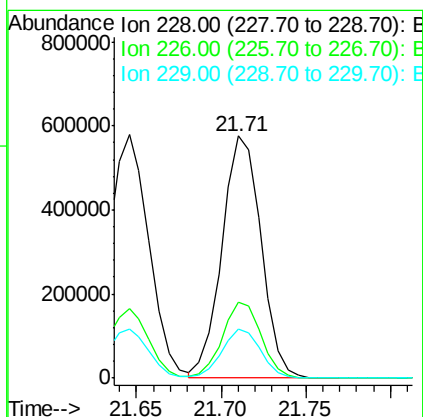
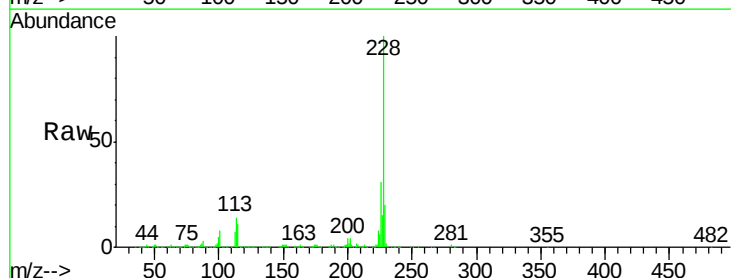
Tgt Ion:228 Resp: 923046

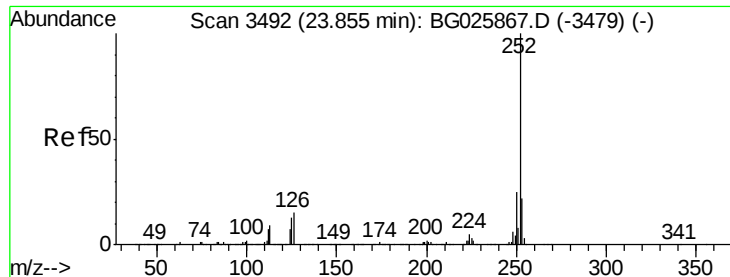
Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 20.4 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.50 ng/ul

RT: 23.85 min Scan# 3491

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

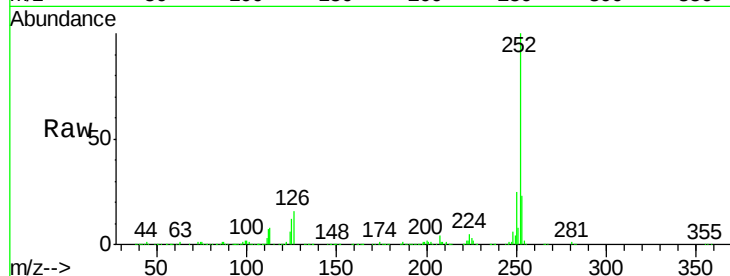
Tgt Ion:252 Resp: 959224

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

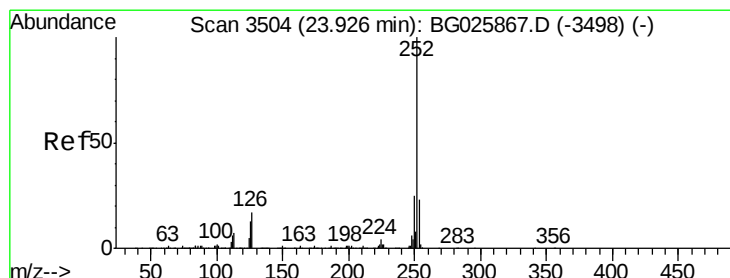
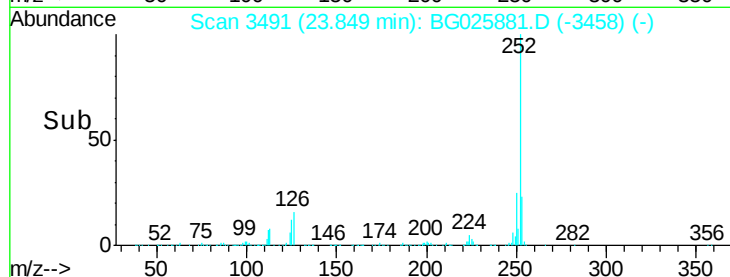
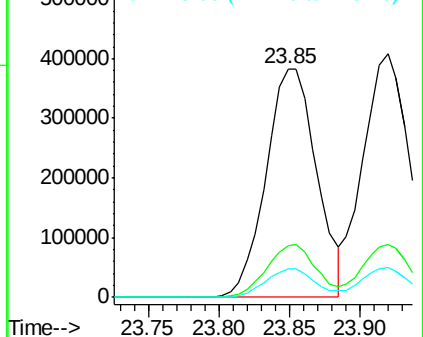
125 12.4 8.0 12.0#



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: 20.77 ng/ul

RT: 23.92 min Scan# 3503

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

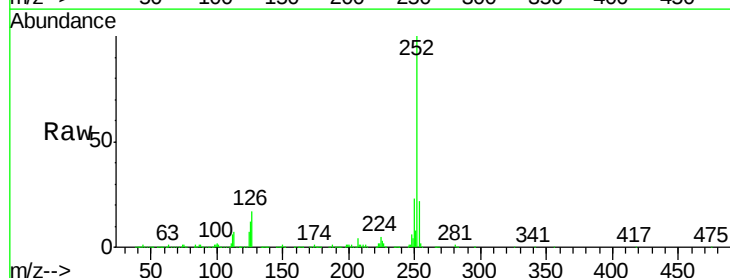
Tgt Ion:252 Resp: 938872

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

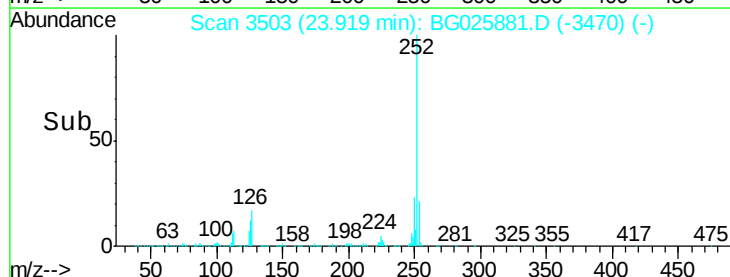
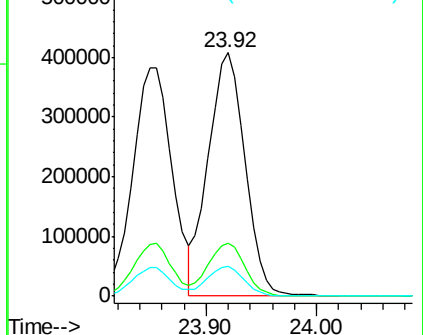
125 12.2 8.1 12.1#

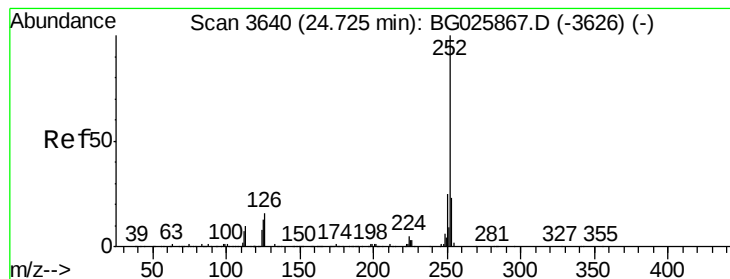


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.70 ng/ul

RT: 24.72 min Scan# 3639

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

Instrument :

BNA_G

ClientSampleId :

SSTD02023

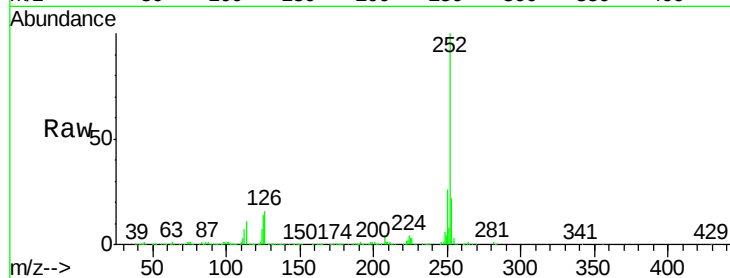
Tgt Ion:252 Resp: 937458

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

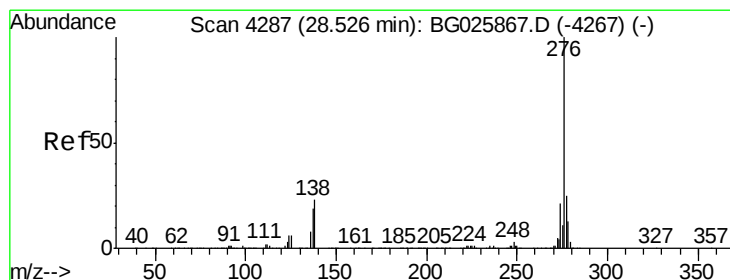
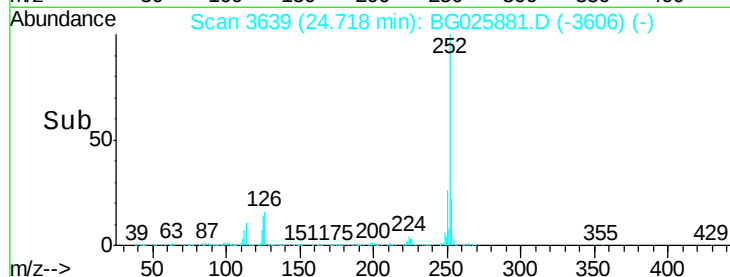
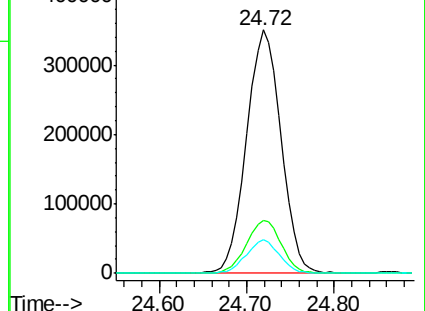
125 13.6 8.2 12.4#



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

Indeno(1,2,3-cd)pyrene

Concen: 20.65 ng/ul

RT: 28.52 min Scan# 4286

Delta R.T. -0.01 min

Lab File: BG025881.D

Acq: 20 Feb 2017 20:06

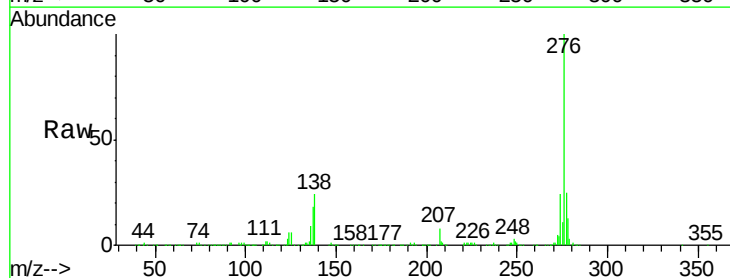
Tgt Ion:276 Resp: 1095062

Ion Ratio Lower Upper

276 100

138 23.8 14.4 21.6#

277 24.8 18.0 27.0



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

