

Data File : BG025895.D
Acq On : 21 Feb 2017 5:16
Operator : SJ/MA
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02024

Quant Time: Feb 21 05:54:41 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 21 02:22:54 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	144410	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	713577	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.69	164	493457	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	912605	20.00	ng/ul	0.00
17) Chrysene-d12	21.68	240	862176	20.00	ng/ul	0.01
22) Perylene-d12	24.89	264	864975	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	868603	21.26	ng/ul	0.00
10) Fluorene-d10	15.68	176	623102	19.86	ng/ul	0.00
14) Anthracene-d10	17.52	188	871656	21.13	ng/ul	0.00
18) Pyrene-d10	19.79	212	863492	20.78	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	807510	21.10	ng/ul	0.02

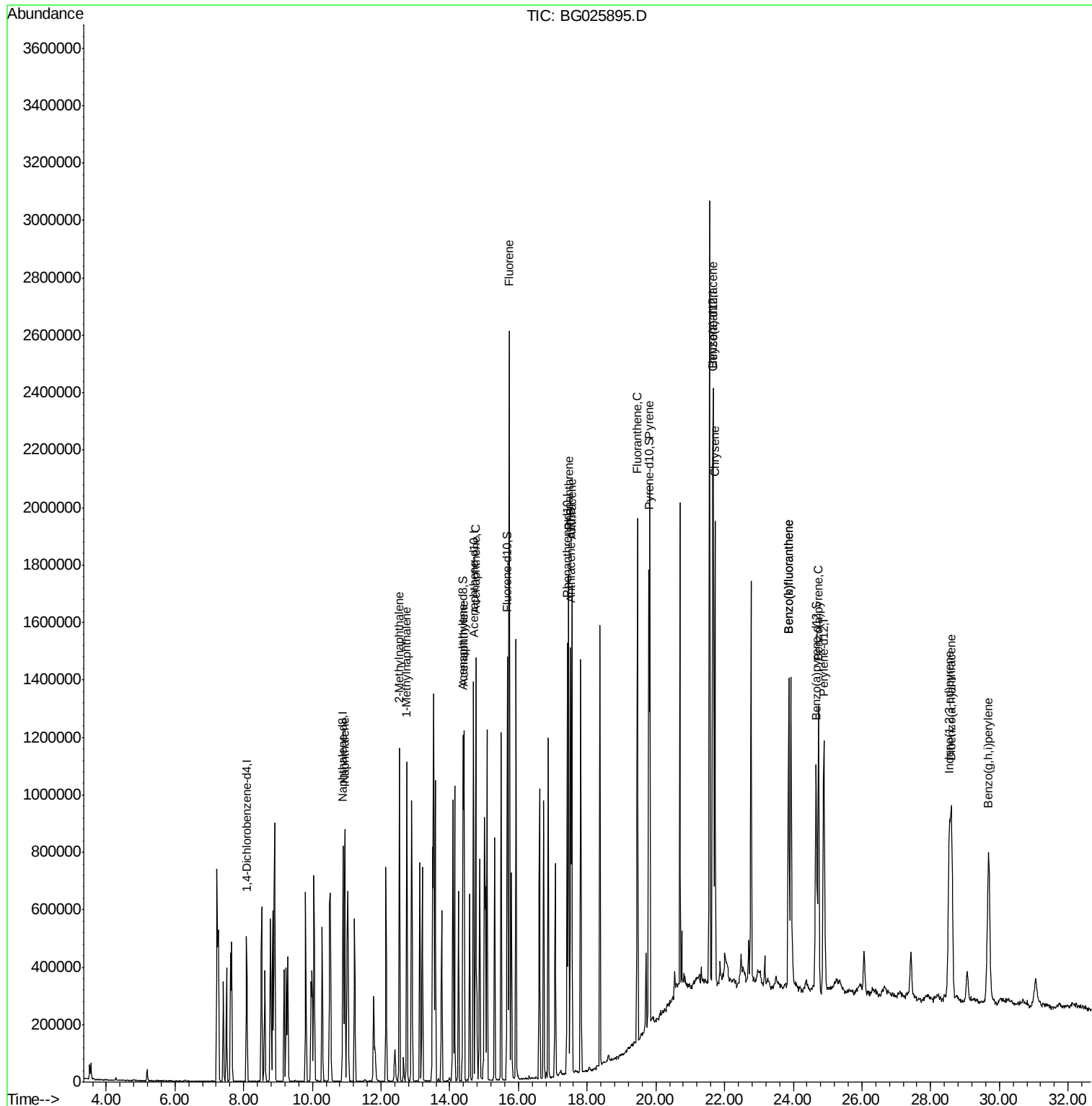
Target Compounds				Qvalue		
3) Naphthalene	10.94	128	738718	20.99	ng/ul	98
4) 2-Methylnaphthalene	12.53	142	580844	20.95	ng/ul	94
5) 1-Methylnaphthalene	12.75	142	555164	20.54	ng/ul#	90
8) Acenaphthylene	14.41	152	879104	21.00	ng/ul	98
9) Acenaphthene	14.75	153	620857	20.76	ng/ul	96
11) Fluorene	15.73	166	689259	19.64	ng/ul	96
13) Phenanthrene	17.46	178	1026106	21.08	ng/ul	98
15) Anthracene	17.55	178	1040079	21.03	ng/ul	97
16) Fluoranthene	19.46	202	1069637	19.99	ng/ul	98
19) Pyrene	19.82	202	1068607	20.48	ng/ul#	93
20) Benzo(a)anthracene	21.65	228	1030755	21.25	ng/ul	95
21) Chrysene	21.72	228	971900	20.97	ng/ul	98
23) Benzo(b)fluoranthene	23.87	252	1026576	20.54	ng/ul	98
24) Benzo(k)fluoranthene	23.87	252	1026576	21.26	ng/ul	98
26) Benzo(a)pyrene	24.73	252	999472	20.66	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	28.54	276	1191950	21.04	ng/ul#	91
28) Dibenzo(a,h)anthracene	28.60	278	985988	21.02	ng/ul	97
29) Benzo(g,h,i)perylene	29.68	276	978050	20.93	ng/ul#	94

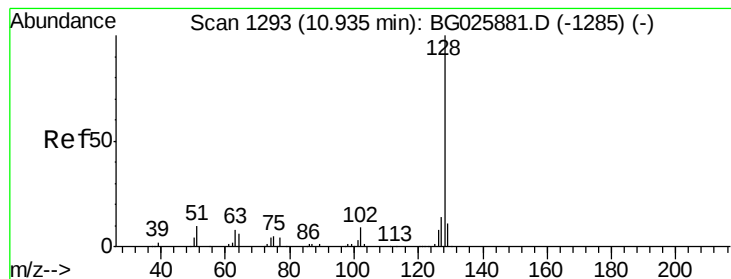
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#3

Naphthalene

Concen: 20.99 ng/ul

RT: 10.94 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

Instrument :

BNA_G

ClientSampleId :

SSTD02024

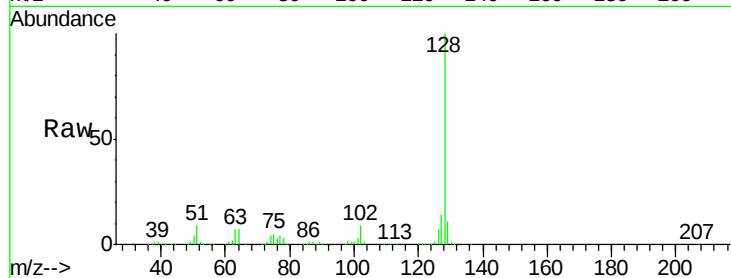
Tgt Ion:128 Resp: 738718

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

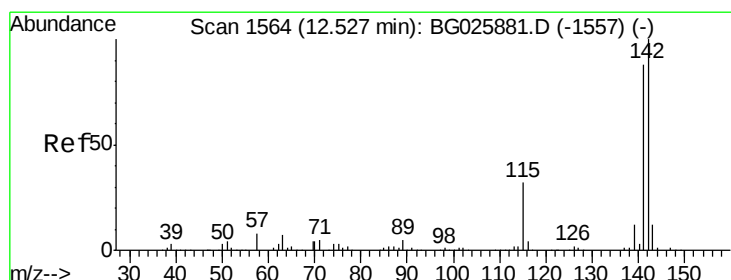
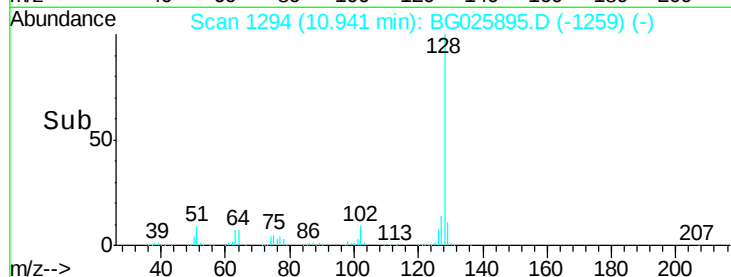
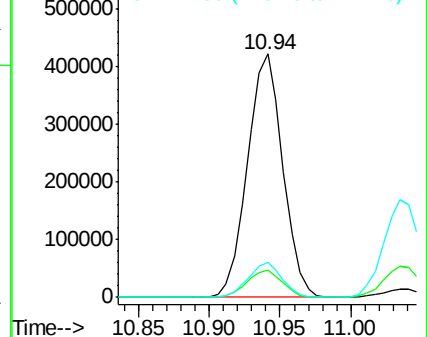
127 14.2 10.6 16.0



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: 20.95 ng/ul

RT: 12.53 min Scan# 1565

Delta R.T. 0.01 min

Lab File: BG025895.D

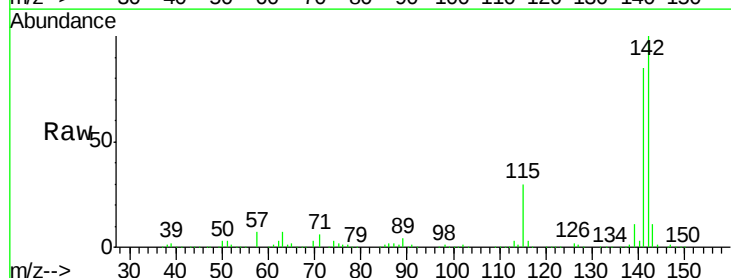
Acq: 21 Feb 2017 5:16

Tgt Ion:142 Resp: 580844

Ion Ratio Lower Upper

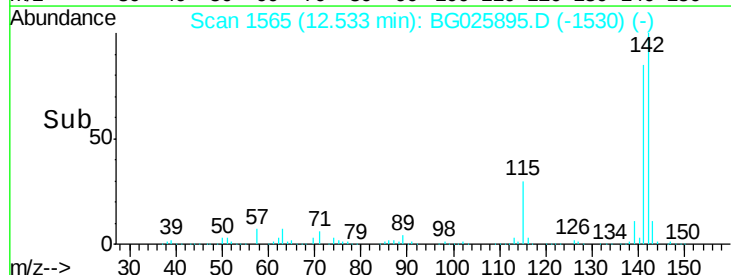
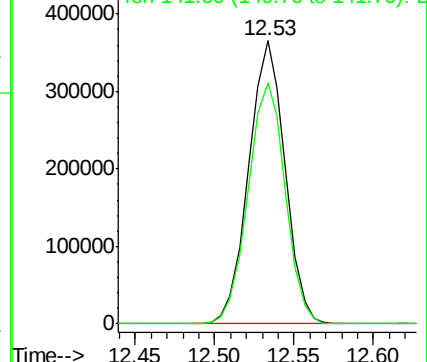
142 100

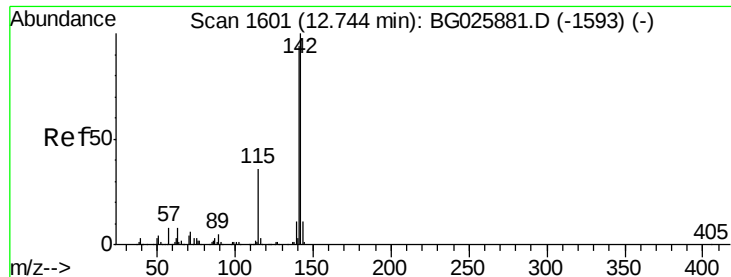
141 85.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.54 ng/ul

RT: 12.75 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

Instrument :

BNA_G

ClientSampleId :

SSTD02024

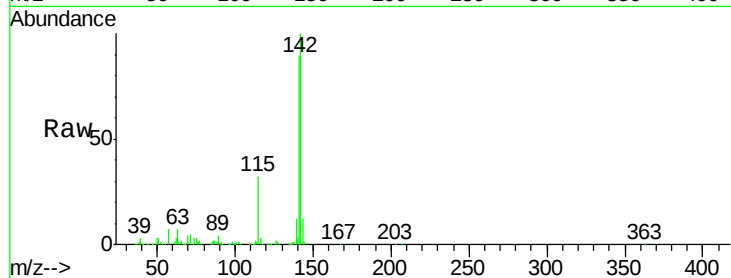
Tgt Ion:142 Resp: 555164

Ion Ratio Lower Upper

142 100

141 89.4 79.3 118.9

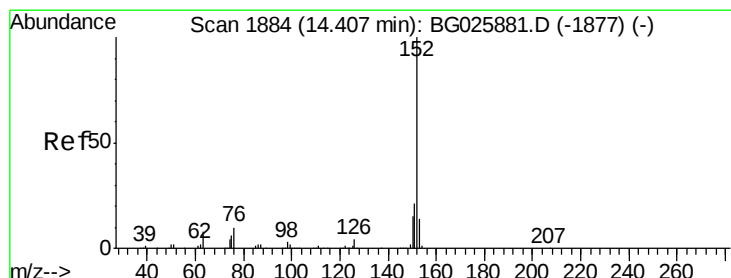
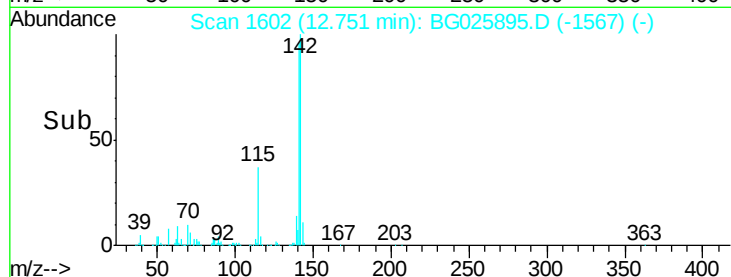
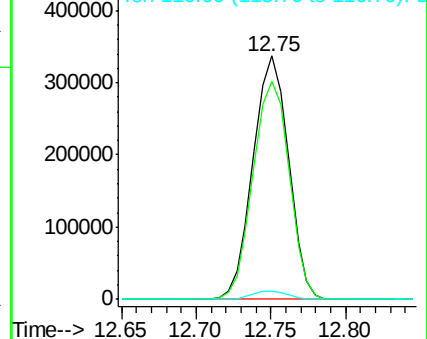
116 3.5 4.2 6.2#



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: 21.00 ng/ul

RT: 14.41 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

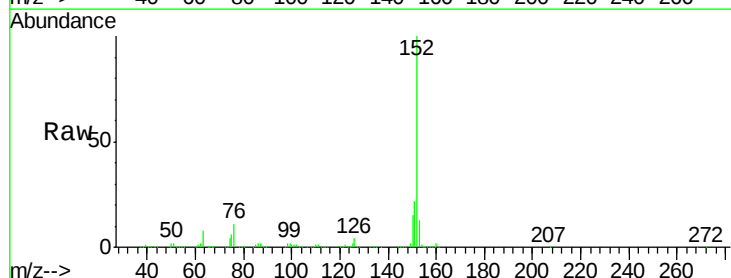
Tgt Ion:152 Resp: 879104

Ion Ratio Lower Upper

152 100

151 22.1 16.7 25.1

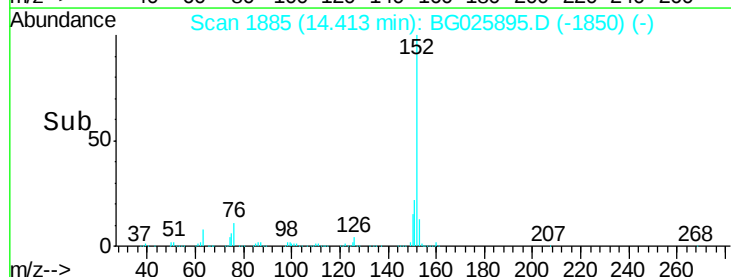
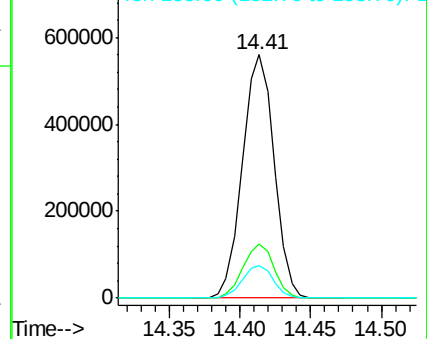
153 13.2 10.2 15.4

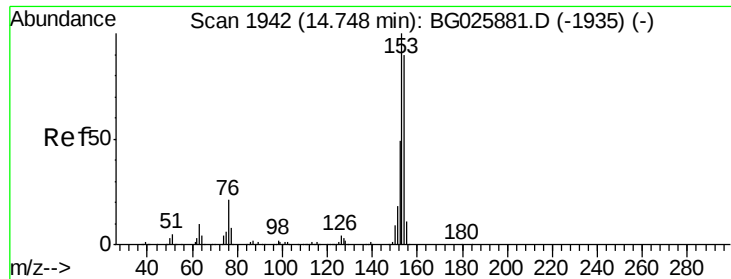


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.76 ng/ul

RT: 14.75 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

Instrument :

BNA_G

ClientSampleId :

SSTD02024

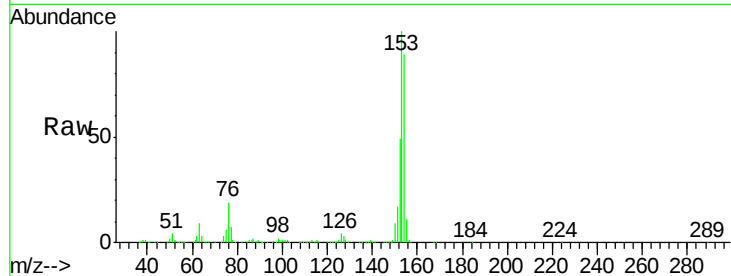
Tgt Ion:153 Resp: 620857

Ion Ratio Lower Upper

153 100

152 48.9 39.0 58.6

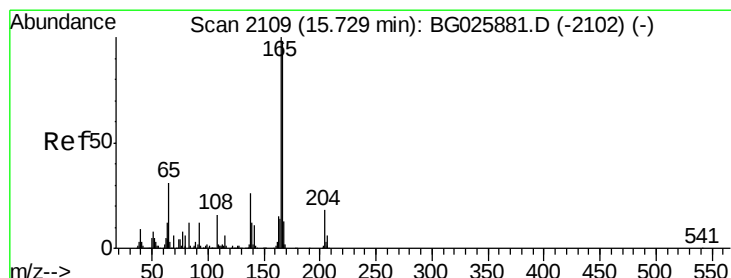
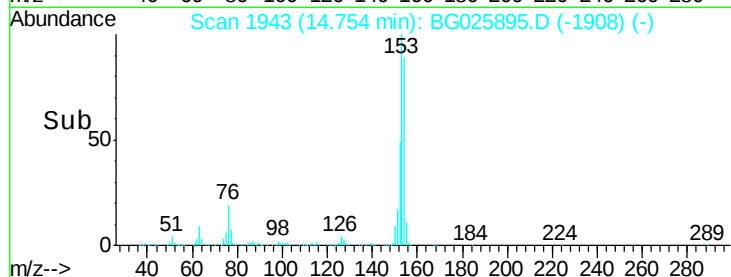
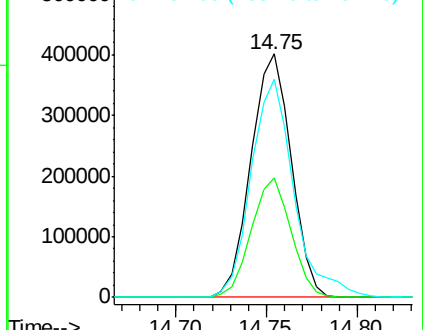
154 89.5 66.8 100.2



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: 19.64 ng/ul

RT: 15.73 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

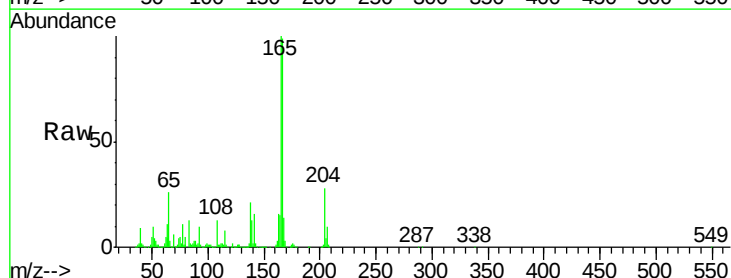
Tgt Ion:166 Resp: 689259

Ion Ratio Lower Upper

166 100

165 100.5 83.8 125.8

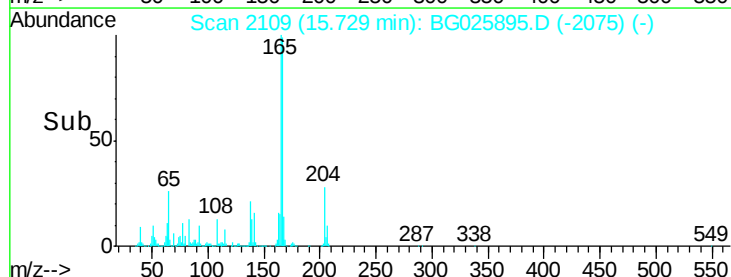
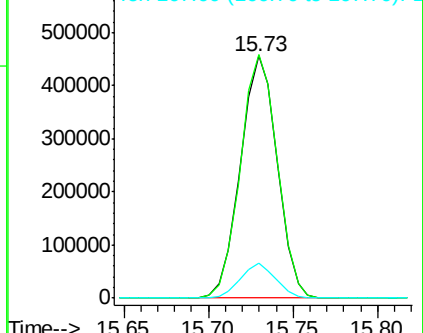
167 14.3 11.5 17.3

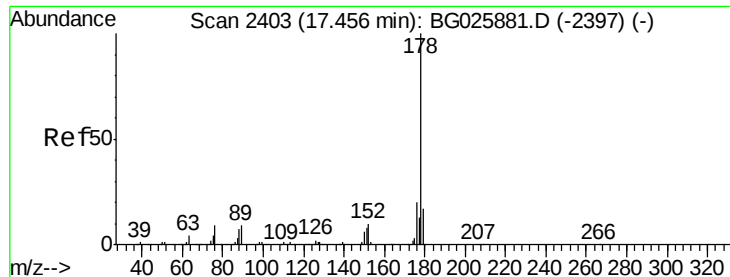


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

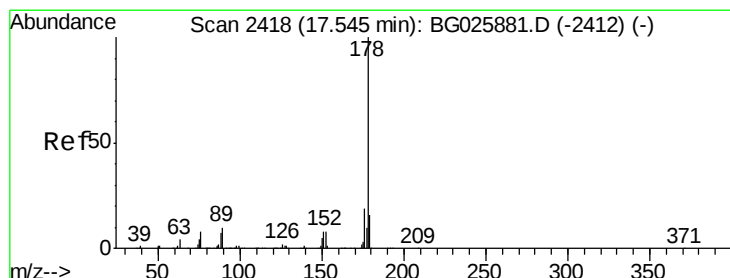
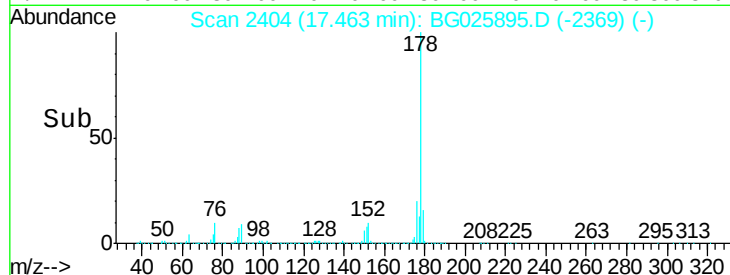
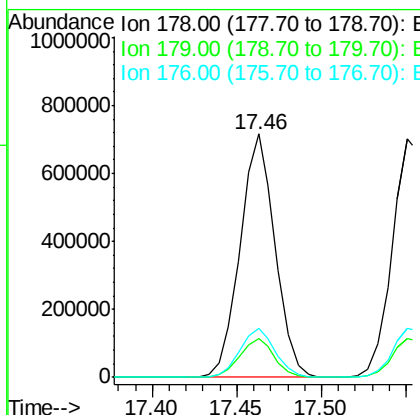
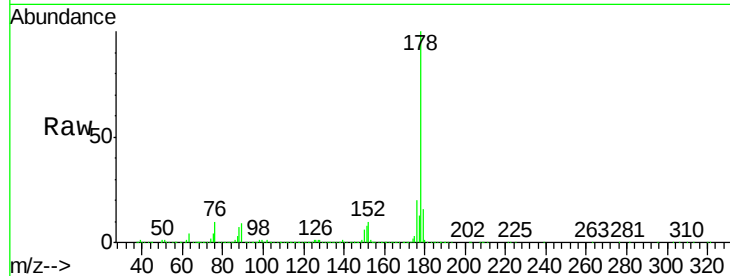




#13
 Phenanthrene
 Concen: 21.08 ng/ul
 RT: 17.46 min Scan# 2404
 Delta R.T. 0.01 min
 Lab File: BG025895.D
 Acq: 21 Feb 2017 5:16

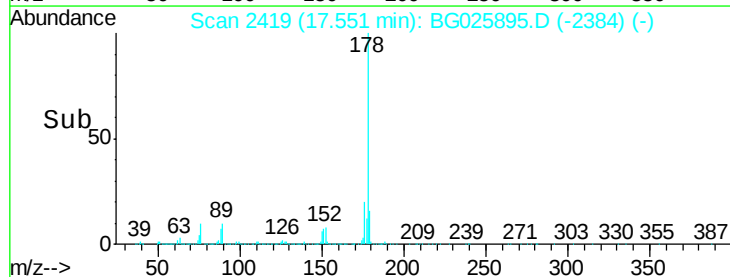
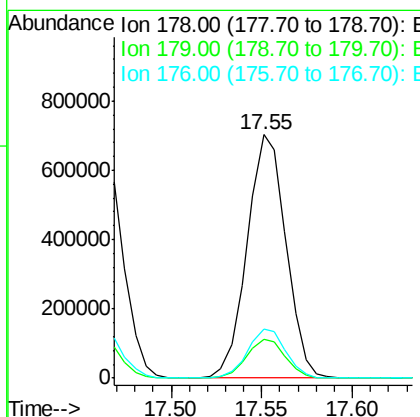
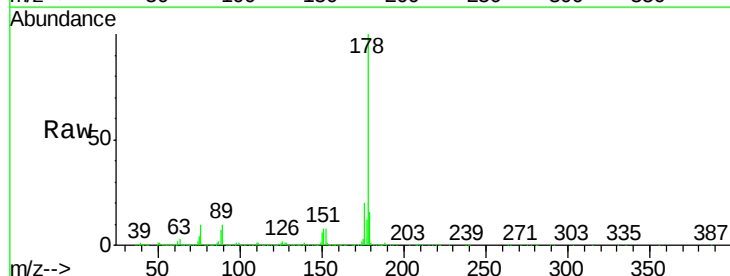
Instrument :
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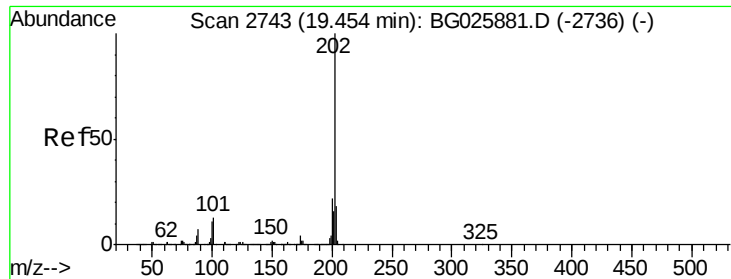
Tgt Ion:178 Resp: 1026106
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 20.4 15.1 22.7



#15
 Anthracene
 Concen: 21.03 ng/ul
 RT: 17.55 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: BG025895.D
 Acq: 21 Feb 2017 5:16

Tgt Ion:178 Resp: 1040079
 Ion Ratio Lower Upper
 178 100
 179 16.2 11.8 17.8
 176 20.4 15.2 22.8

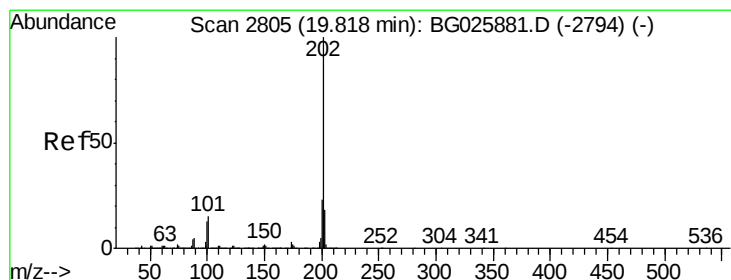
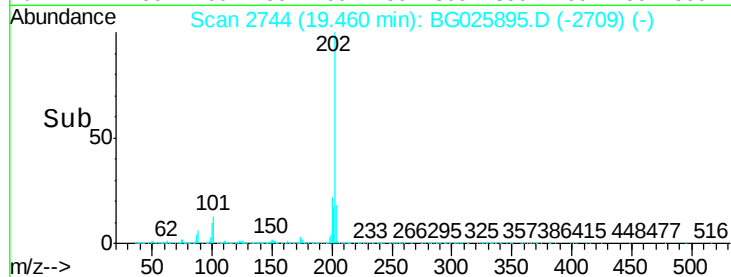
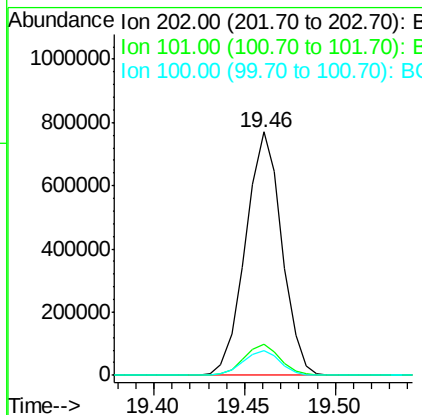
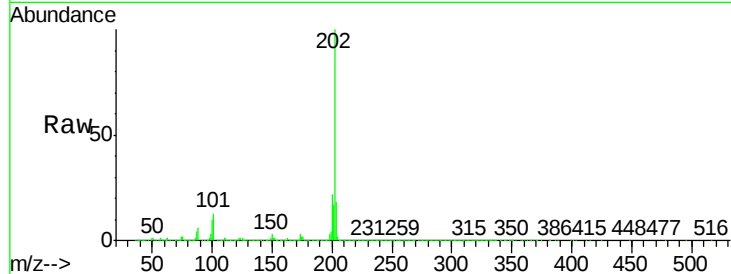




#16
 Fluoranthene
 Concen: 19.99 ng/ul
 RT: 19.46 min Scan# 2744
 Delta R.T. 0.01 min
 Lab File: BG025895.D
 Acq: 21 Feb 2017 5:16

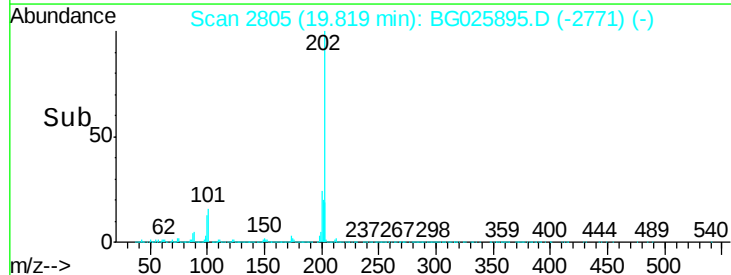
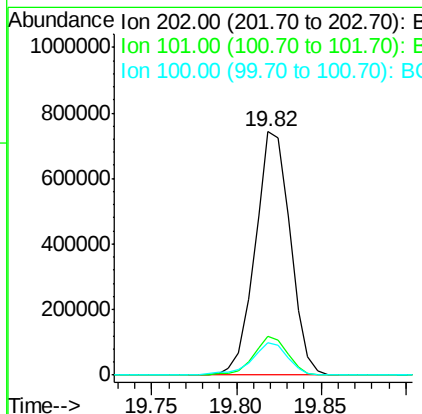
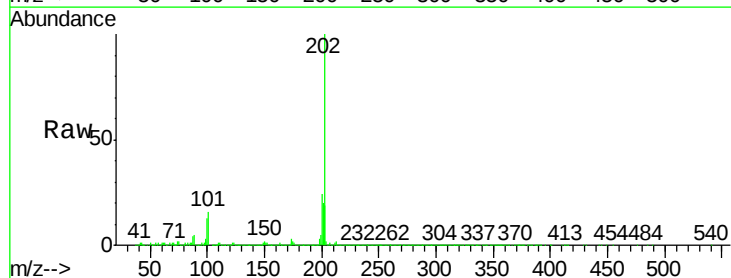
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02024

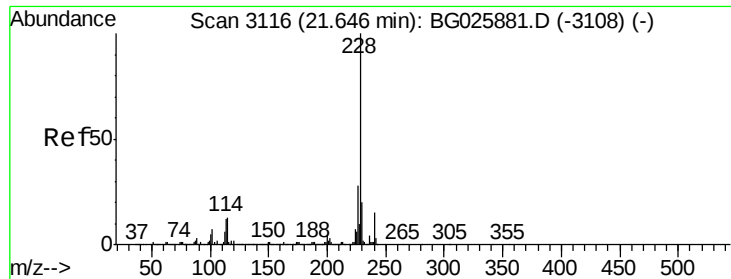
Tgt Ion:202 Resp: 1069637
 Ion Ratio Lower Upper
 202 100
 101 12.8 9.9 14.9
 100 10.0 7.4 11.0



#19
 Pyrene
 Concen: 20.48 ng/ul
 RT: 19.82 min Scan# 2805
 Delta R.T. 0.00 min
 Lab File: BG025895.D
 Acq: 21 Feb 2017 5:16

Tgt Ion:202 Resp: 1068607
 Ion Ratio Lower Upper
 202 100
 101 15.8 11.0 16.4
 100 13.1 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 21.25 ng/ul

RT: 21.65 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

Instrument :

BNA_G

ClientSampleId :

SSTD02024

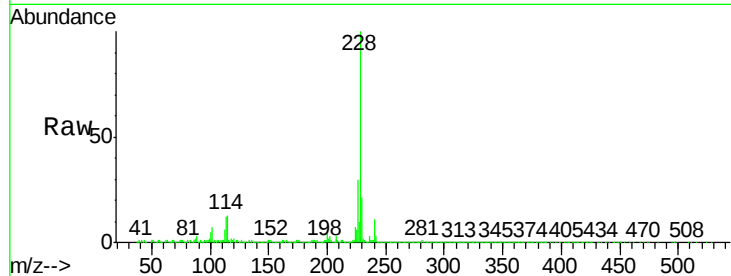
Tgt Ion:228 Resp: 1030755

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

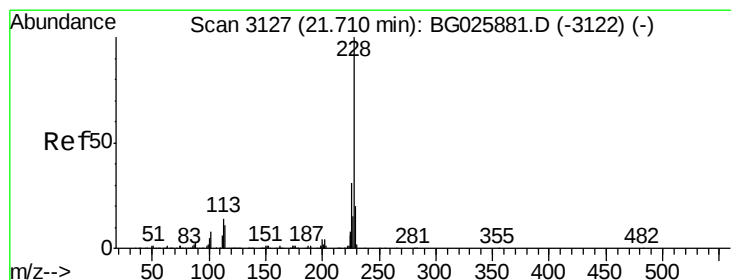
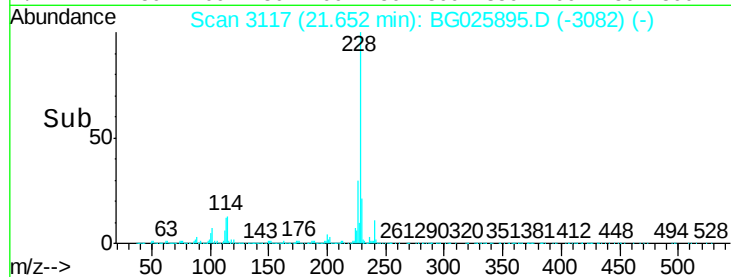
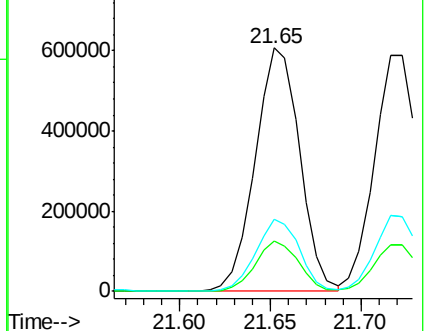
226 29.6 21.1 31.7



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



#21

Chrysene

Concen: 20.97 ng/ul

RT: 21.72 min Scan# 3128

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

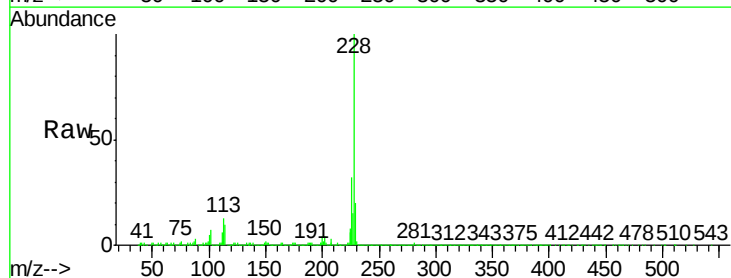
Tgt Ion:228 Resp: 971900

Ion Ratio Lower Upper

228 100

226 32.2 24.5 36.7

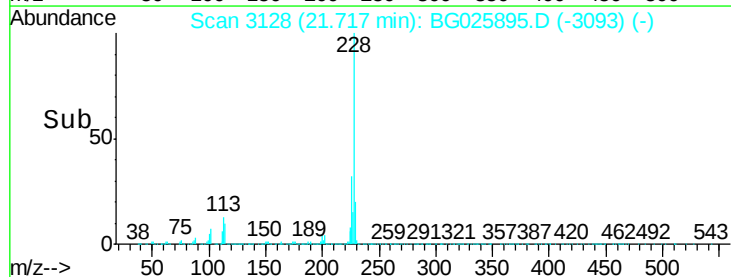
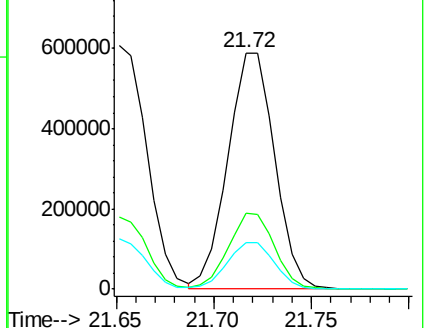
229 19.9 15.8 23.8

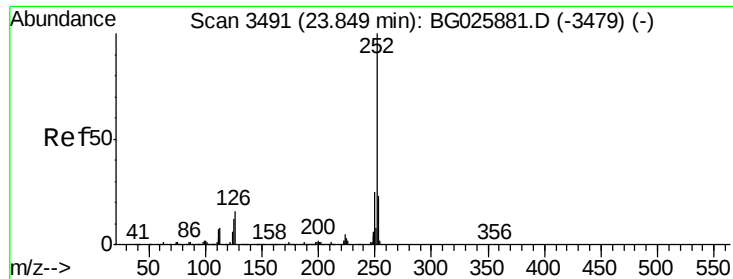


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.54 ng/ul

RT: 23.87 min Scan# 3494

Delta R.T. 0.02 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

Instrument :

BNA_G

ClientSampleId :

SSTD02024

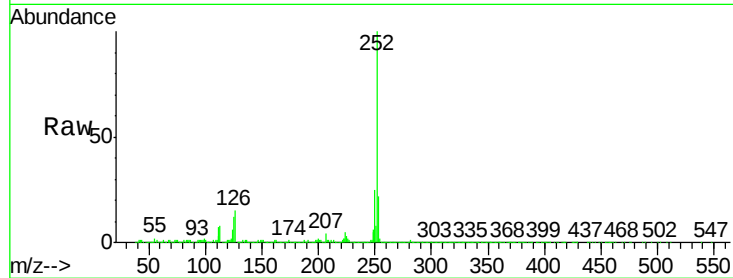
Tgt Ion:252 Resp: 1026576

Ion Ratio Lower Upper

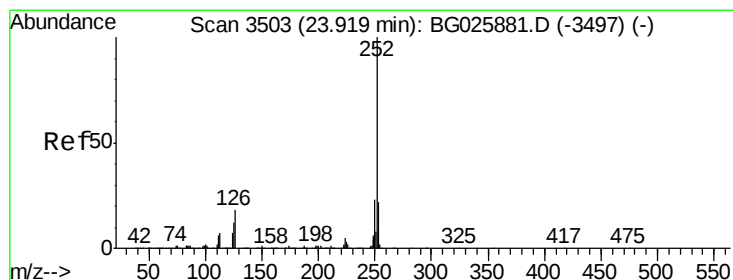
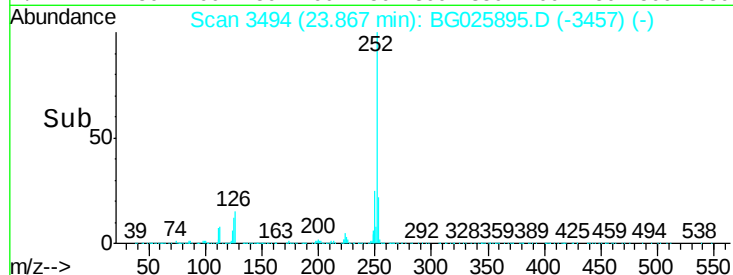
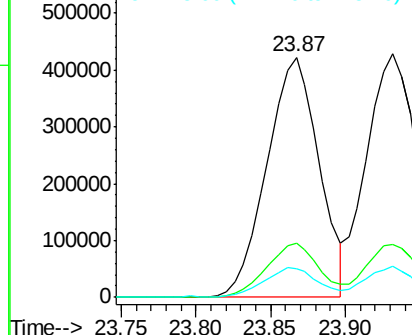
252 100

253 22.5 18.0 27.0

125 12.0 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: 21.26 ng/ul

RT: 23.87 min Scan# 3494

Delta R.T. -0.05 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

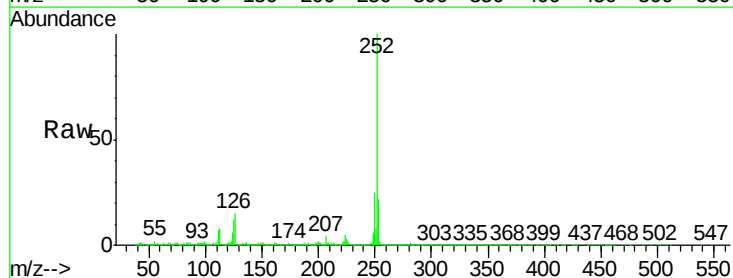
Tgt Ion:252 Resp: 1026576

Ion Ratio Lower Upper

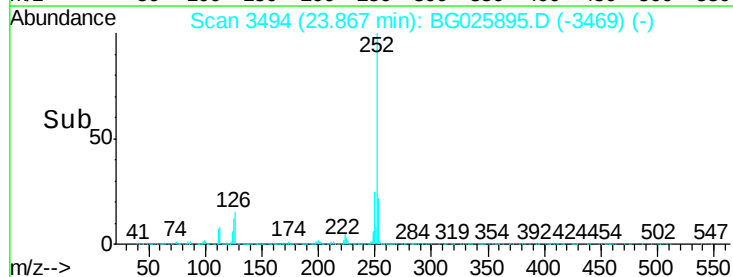
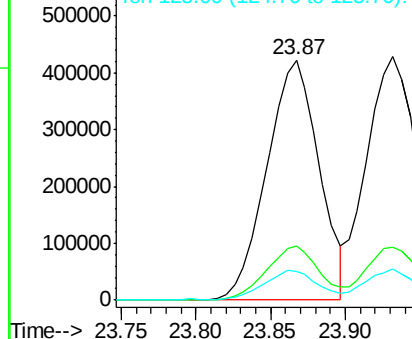
252 100

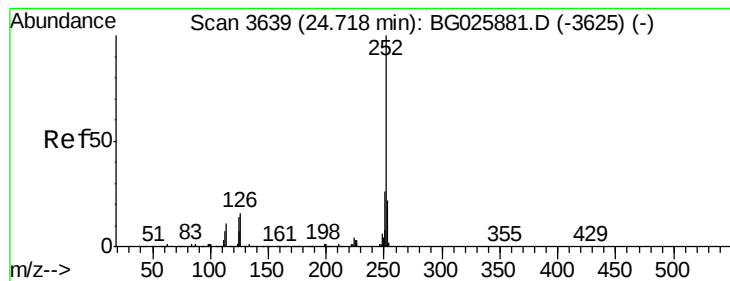
253 22.5 18.0 27.0

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: 20.66 ng/ul

RT: 24.73 min Scan# 3641

Delta R.T. 0.01 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

Instrument :

BNA_G

ClientSampleId :

SSTD02024

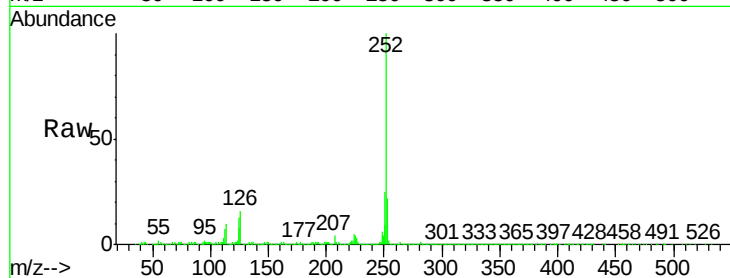
Tgt Ion:252 Resp: 999472

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

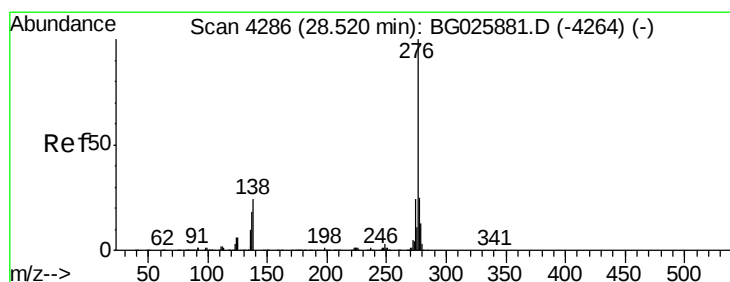
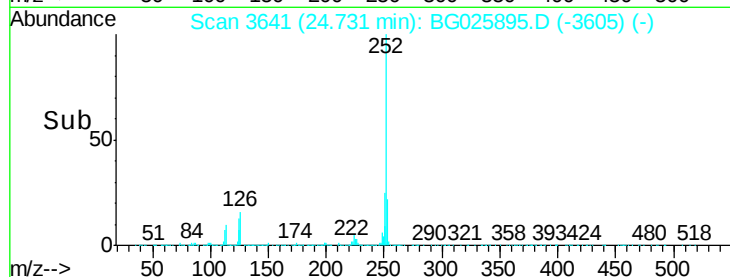
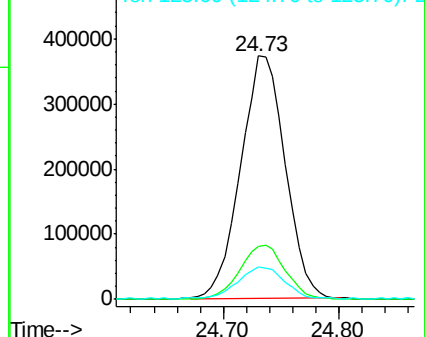
125 13.5 8.2 12.4#



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: 21.04 ng/ul

RT: 28.54 min Scan# 4290

Delta R.T. 0.02 min

Lab File: BG025895.D

Acq: 21 Feb 2017 5:16

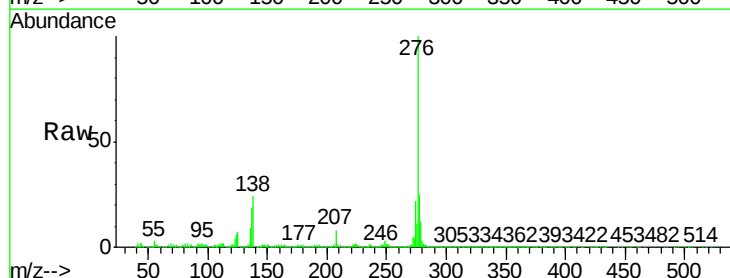
Tgt Ion:276 Resp: 1191950

Ion Ratio Lower Upper

276 100

138 23.8 14.4 21.6#

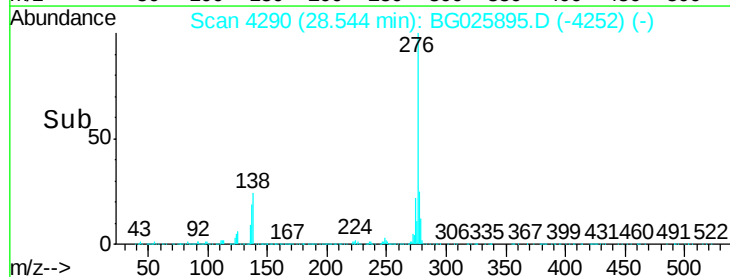
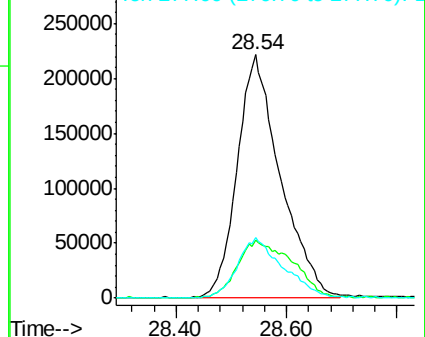
277 24.9 18.0 27.0

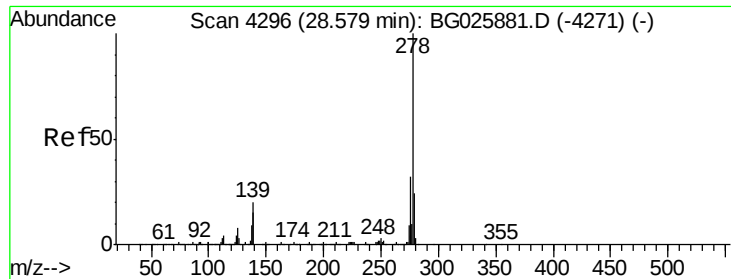


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

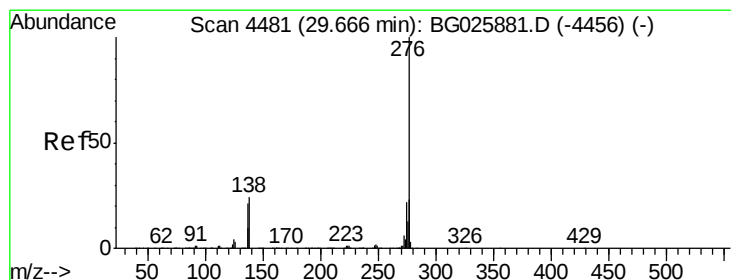
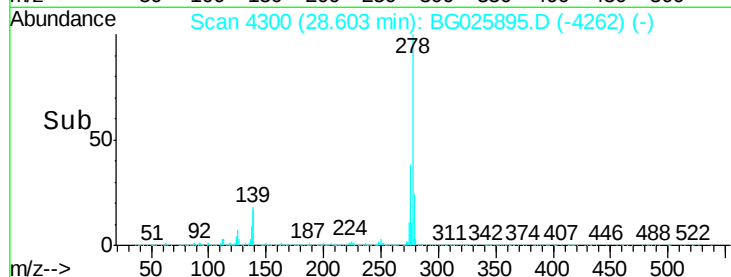
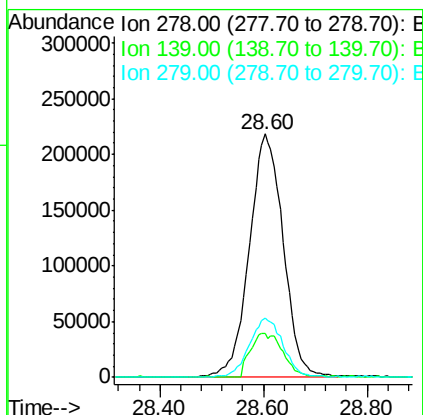
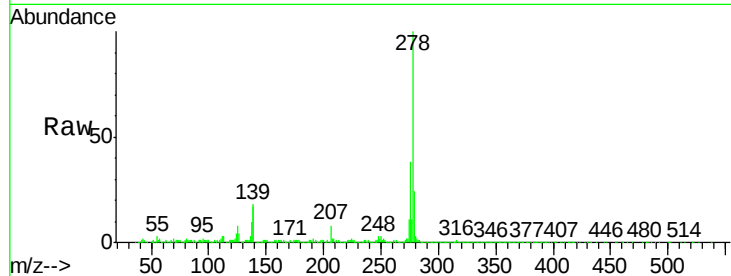




#28
Dibenzo(a,h)anthracene
Concen: 21.02 ng/ul
RT: 28.60 min Scan# 4300
Delta R.T. 0.02 min
Lab File: BG025895.D
Acq: 21 Feb 2017 5:16

Instrument :
BNA_G
ClientSampleId :
SSTD02024

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	12.2	18.4
279	24.1	19.2	28.8



#29
Benzo(g,h,i)perylene
Concen: 20.93 ng/ul
RT: 29.68 min Scan# 4484
Delta R.T. 0.02 min
Lab File: BG025895.D
Acq: 21 Feb 2017 5:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	15.3	22.9#
277	23.6	19.0	28.4

