

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029102.D
 Acq On : 9 Oct 2017 11:15
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02063

Quant Time: Oct 10 04:42:36 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 09 08:00:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	46669	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	210633	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	148571	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	347923	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	375778	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	381000	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.52	160	300631	19.46	ng/ul	0.00
10) Fluorene-d10	15.81	176	230396	20.56	ng/ul	0.00
14) Anthracene-d10	17.66	188	353755	20.99	ng/ul	0.00
18) Pyrene-d10	19.93	212	419294	21.81	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.95	264	378861	20.76	ng/ul	0.00

Target Compounds

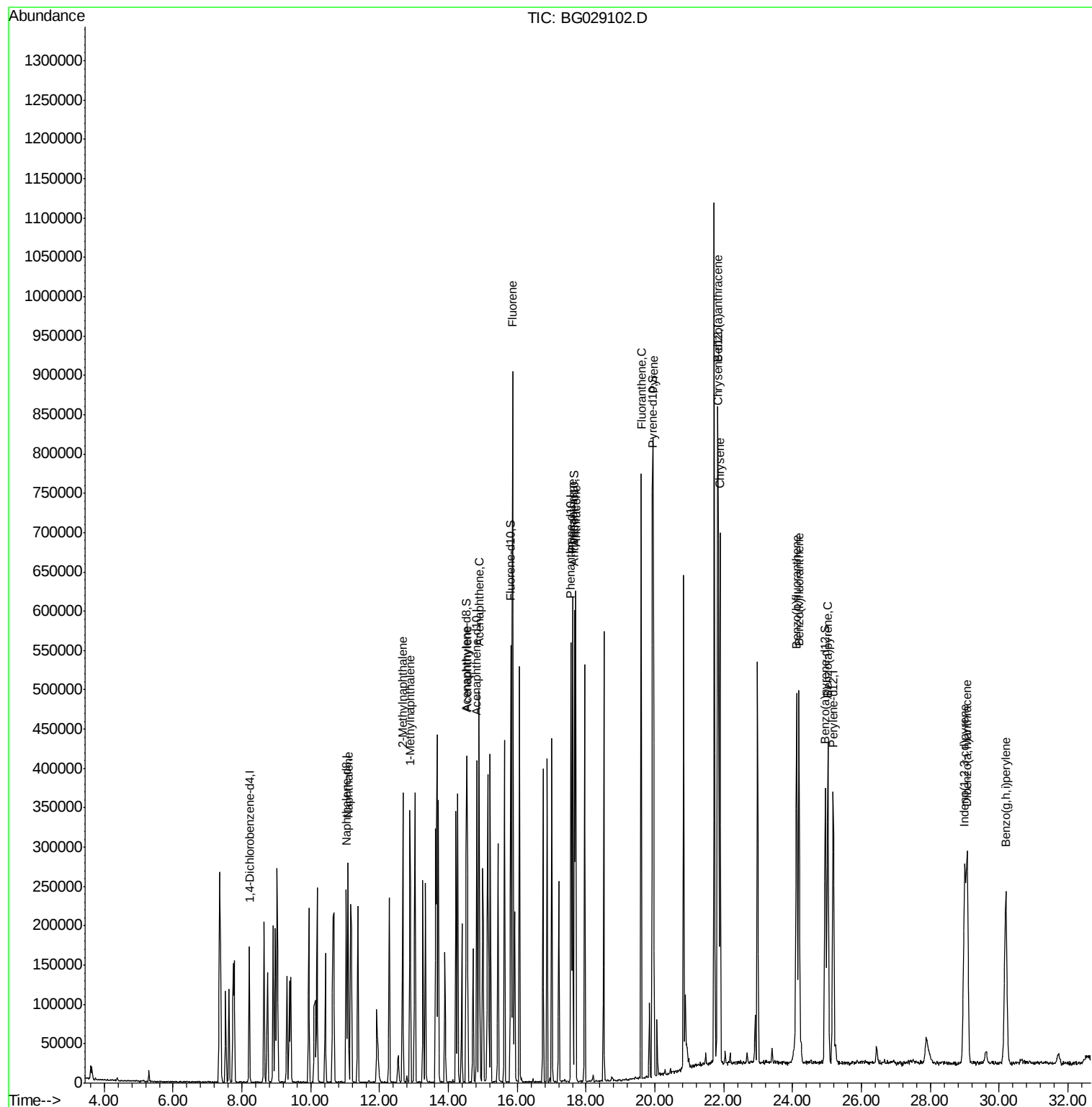
					Ovalue	
3) Naphthalene	11.08	128	228926	20.877	ng/ul	98
4) 2-Methylnaphthalene	12.67	142	174163	20.927	ng/ul	100
5) 1-Methylnaphthalene	12.88	142	167080	21.035	ng/ul#	95
8) Acenaphthylene	14.55	152	292269	19.646	ng/ul	98
9) Acenaphthene	14.89	153	208846	20.627	ng/ul	98
11) Fluorene	15.87	166	237136	20.012	ng/ul	98
13) Phenanthrene	17.60	178	391079	21.073	ng/ul	96
15) Anthracene	17.69	178	405164	21.340	ng/ul	99
16) Fluoranthene	19.60	202	475032	21.836	ng/ul#	92
19) Pyrene	19.96	202	488492	20.854	ng/ul#	94
20) Benzo(a)anthracene	21.82	228	493770	22.312	ng/ul	98
21) Chrysene	21.89	228	440490	21.737	ng/ul	99
23) Benzo(b)fluoranthene	24.11	252	483340	21.206	ng/ul	97
24) Benzo(k)fluoranthene	24.19	252	468877	21.077	ng/ul	97
26) Benzo(a)pyrene	25.03	252	465727	21.037	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	29.00	276	533099	21.217	ng/ul#	93
28) Dibenzo(a,h)anthracene	29.07	278	442060	21.249	ng/ul#	95
29) Benzo(g,h,i)perylene	30.20	276	446764	21.563	ng/ul	97

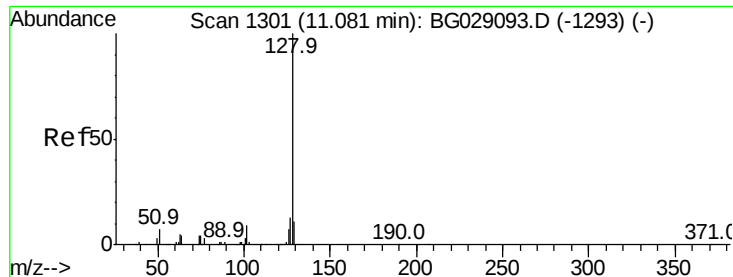
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.877 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

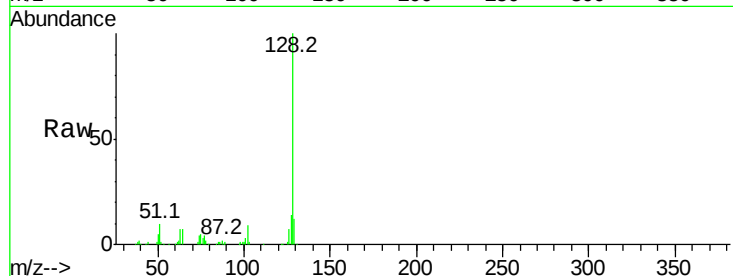
BNA_G

ClientSampleId :

SSTD02063

Tot Ion:128 Resp: 228926

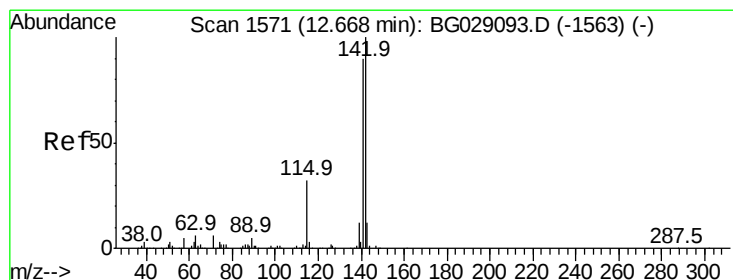
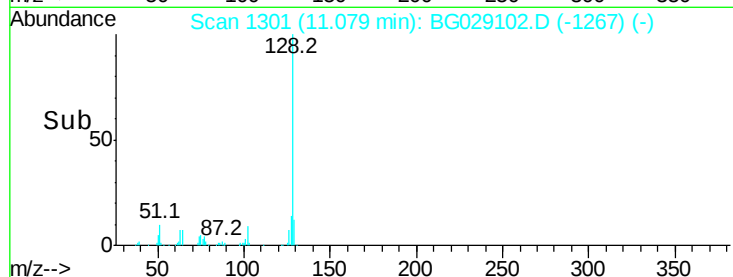
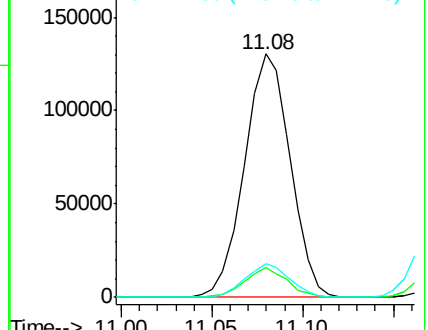
Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.7	13.1
127	13.7	10.6	16.0



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: 20.927 ng/ul

RT: 12.67 min Scan# 1572

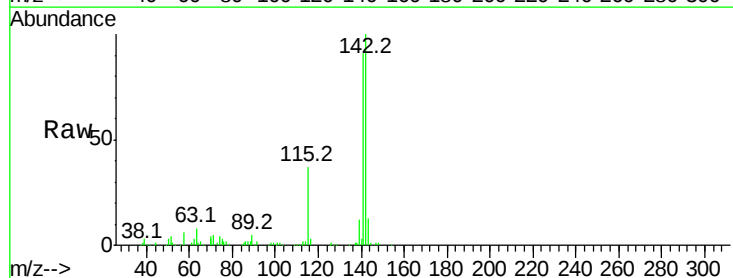
Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

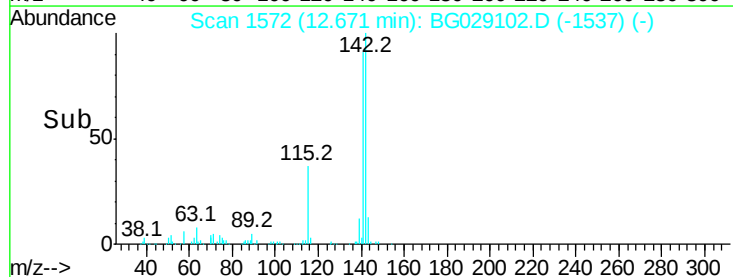
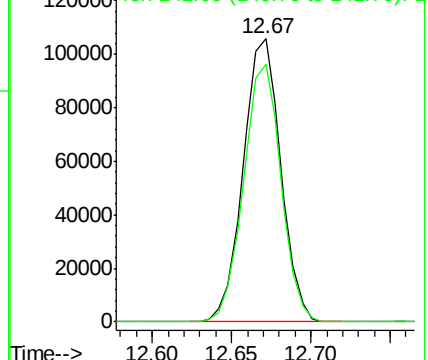
Tgt Ion:142 Resp: 174163

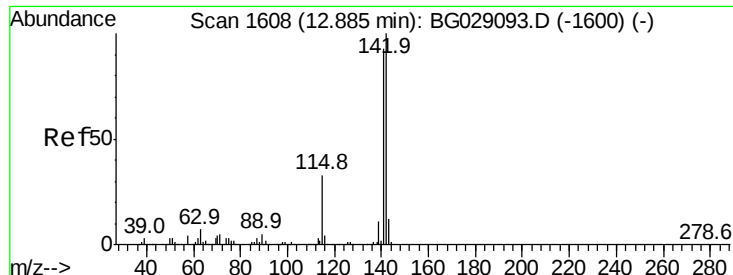
Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 21.035 ng/ul

RT: 12.88 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

BNA_G

ClientSampled :

SSTD02063

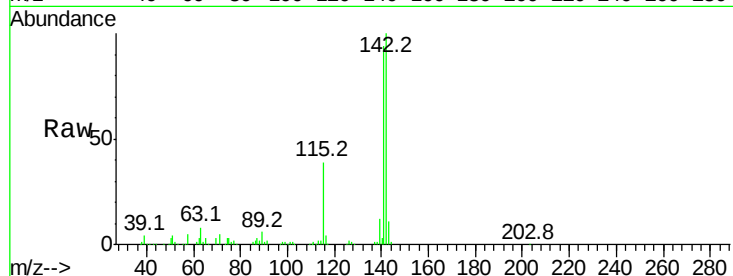
Tot Ion:142 Resp: 167080

Ion Ratio Lower Upper

142 100

141 93.7 79.3 118.9

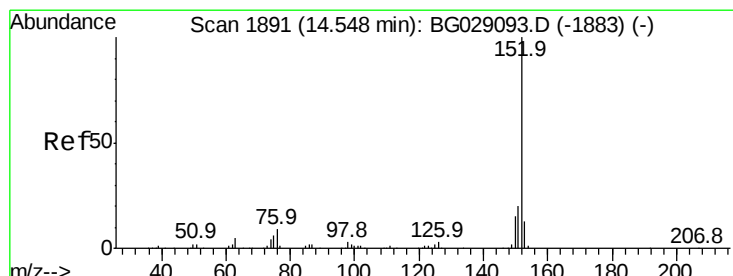
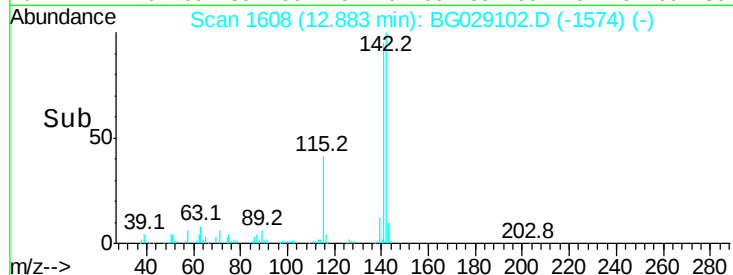
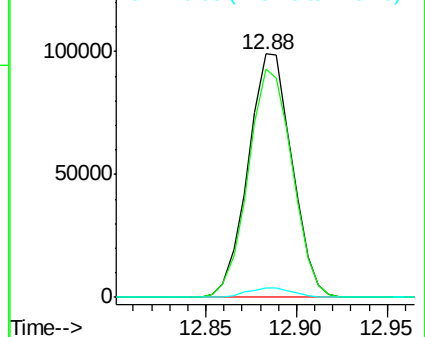
116 3.7 4.2 6.2#



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: 19.646 ng/ul

RT: 14.55 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

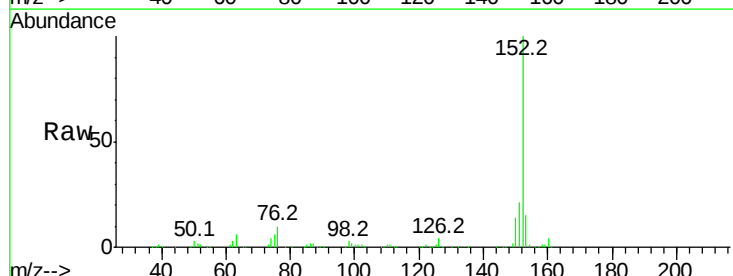
Tgt Ion:152 Resp: 292269

Ion Ratio Lower Upper

152 100

151 21.4 16.7 25.1

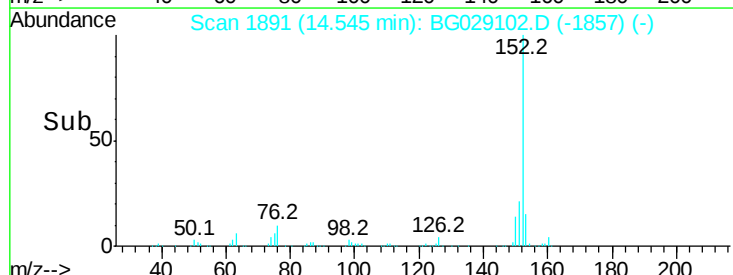
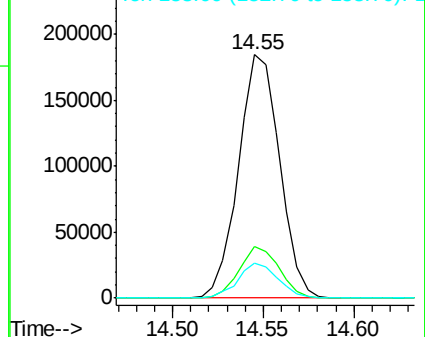
153 14.5 10.2 15.4

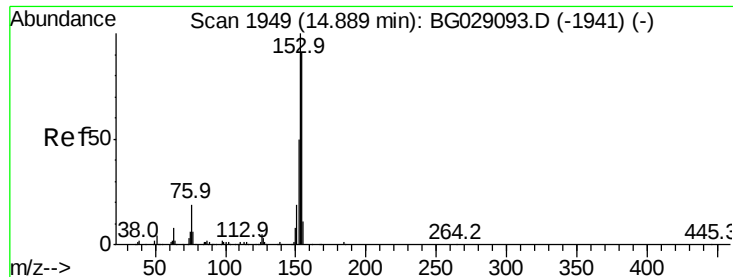


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.627 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

BNA_G

ClientSampleId :

SSTD02063

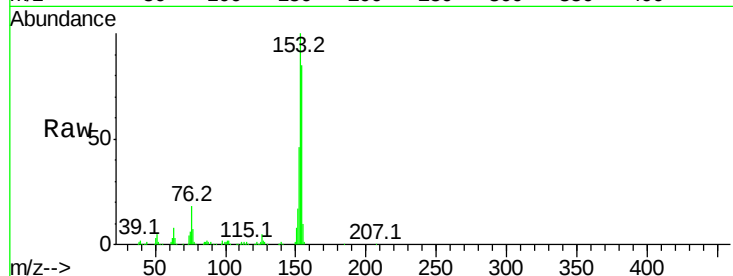
Tot Ion:153 Resp: 208846

Ion Ratio Lower Upper

153 100

152 46.0 39.0 58.6

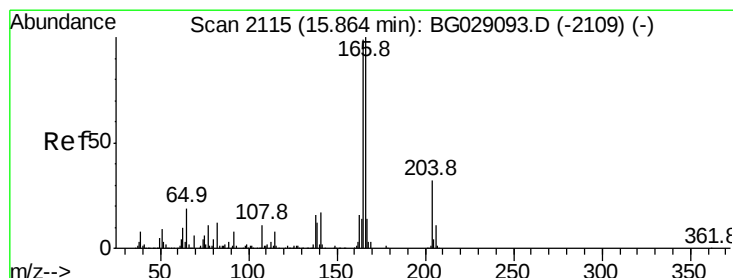
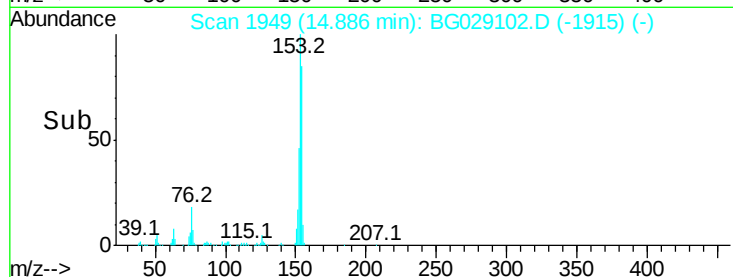
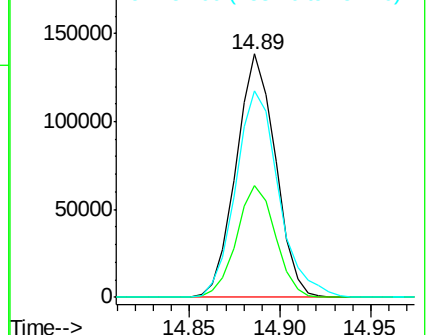
154 84.6 66.8 100.2



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: 20.012 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

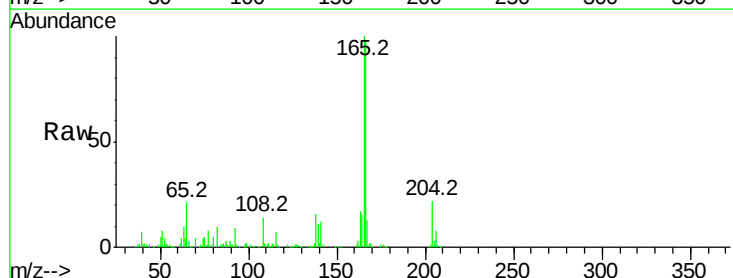
Tgt Ion:166 Resp: 237136

Ion Ratio Lower Upper

166 100

165 102.4 83.8 125.8

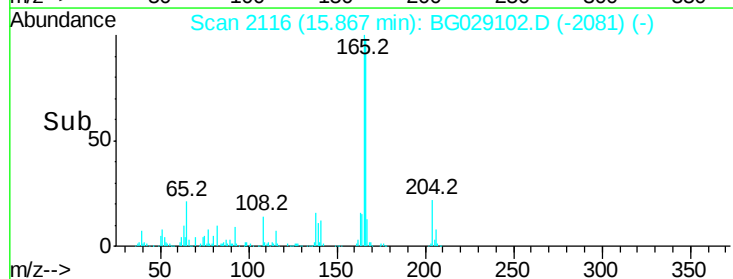
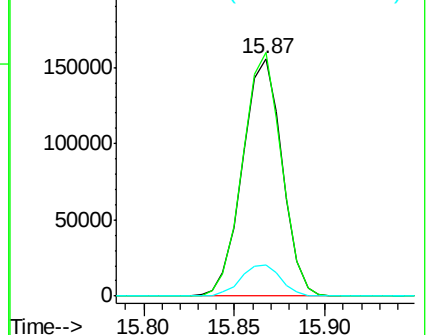
167 13.3 11.5 17.3

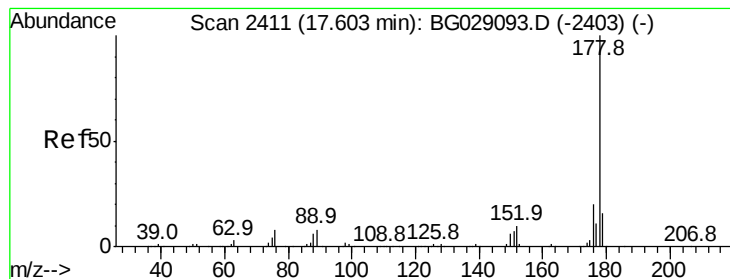


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 21.073 ng/ul

RT: 17.60 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

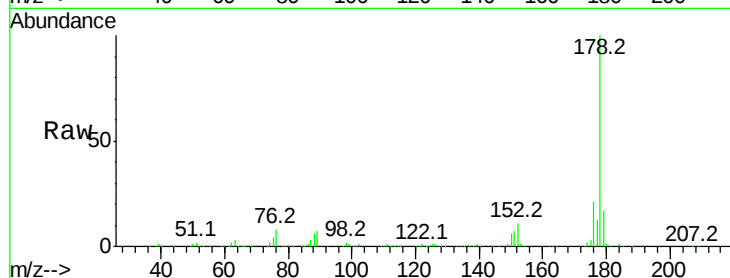
BNA_G

ClientSampleId :

SSTD02063

Tot Ion:178 Resp: 391079

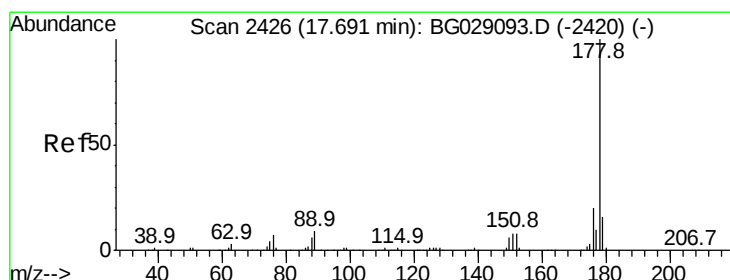
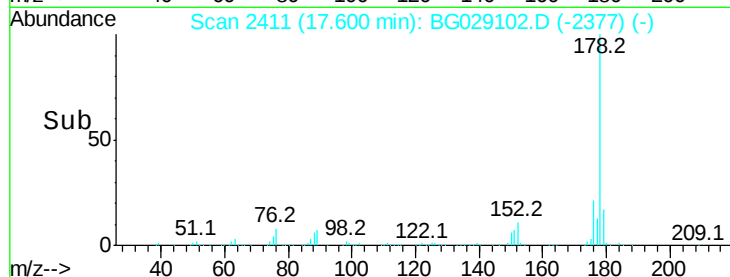
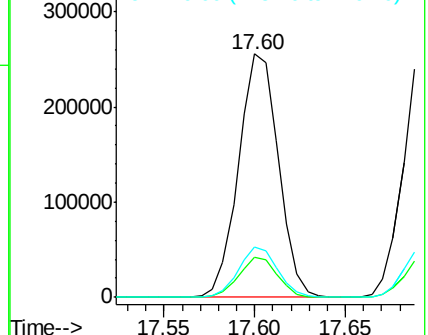
Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.3	18.5
176	20.9	15.1	22.7



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: 21.340 ng/ul

RT: 17.69 min Scan# 2427

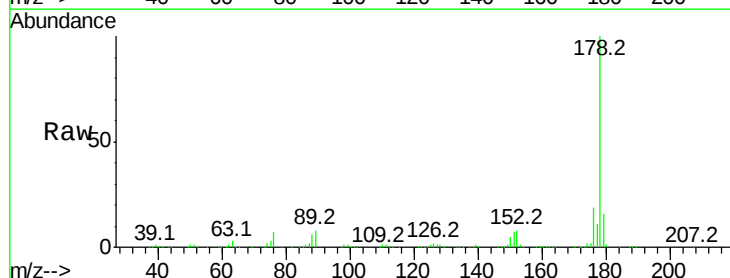
Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Tgt Ion:178 Resp: 405164

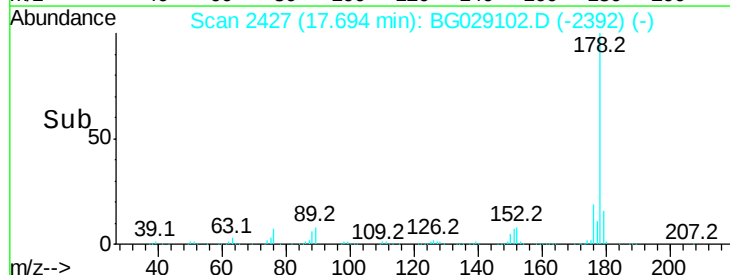
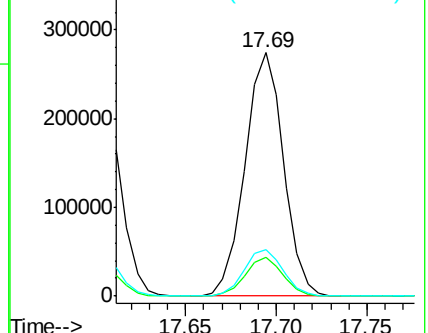
Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.8	17.8
176	18.8	15.2	22.8

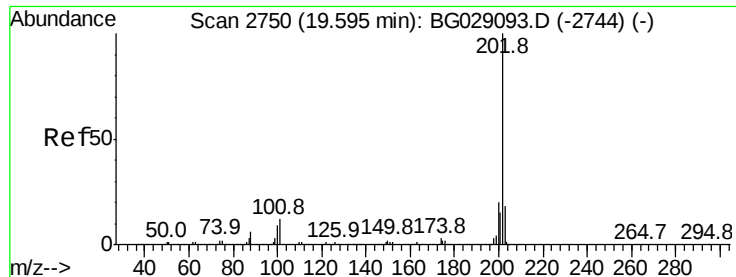


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 21.836 ng/ul

RT: 19.60 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

BNA_G

ClientSampleId :

SSTD02063

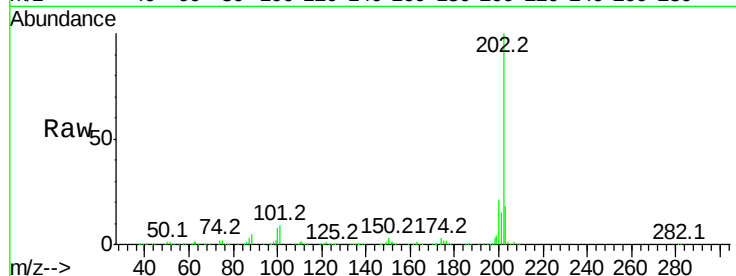
Tot Ion:202 Resp: 475032

Ion Ratio Lower Upper

202 100

101 8.6 9.9 14.9#

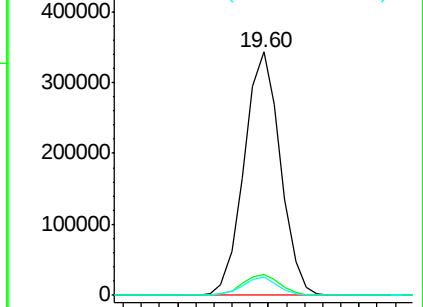
100 7.5 7.4 11.0



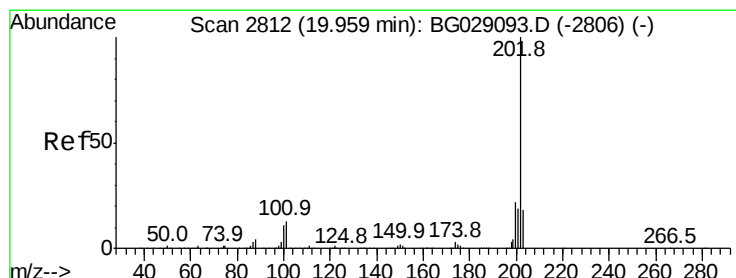
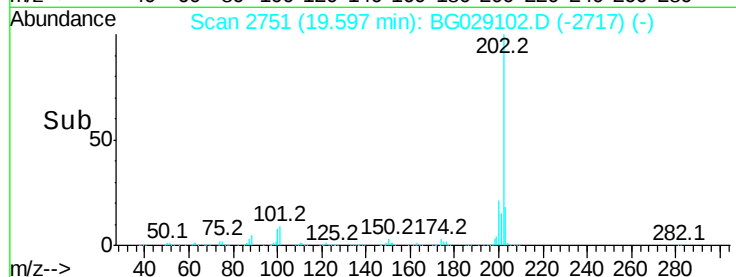
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#19

Pyrene

Concen: 20.854 ng/ul

RT: 19.96 min Scan# 2812

Delta R.T. -0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

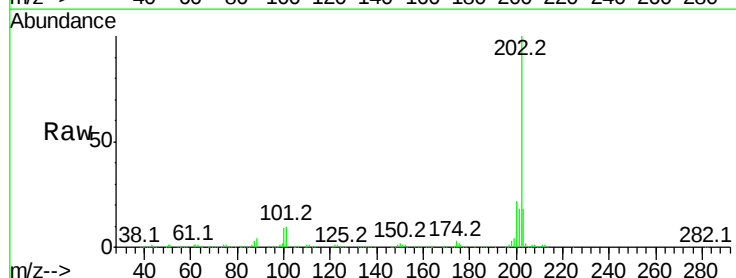
Tgt Ion:202 Resp: 488492

Ion Ratio Lower Upper

202 100

101 10.2 11.0 16.4#

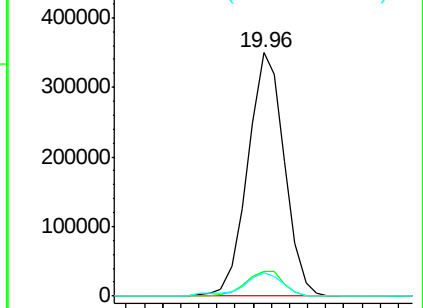
100 9.4 8.1 12.1



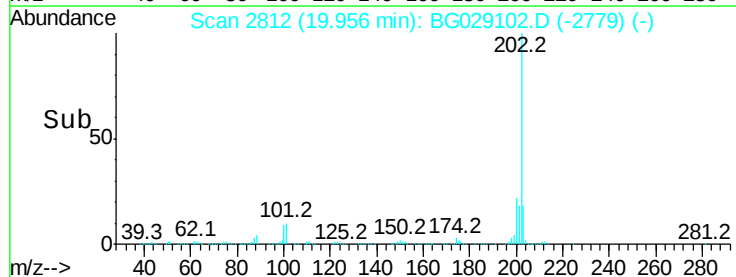
Abundance Ion 202.00 (201.70 to 202.70): E

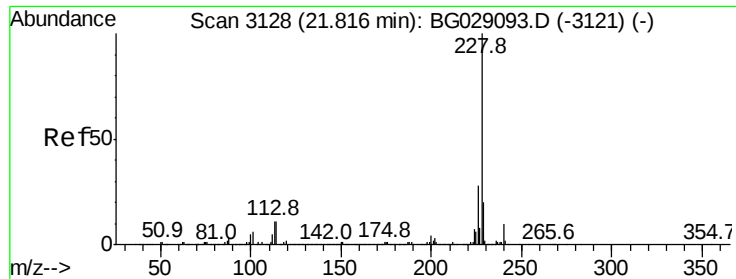
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->

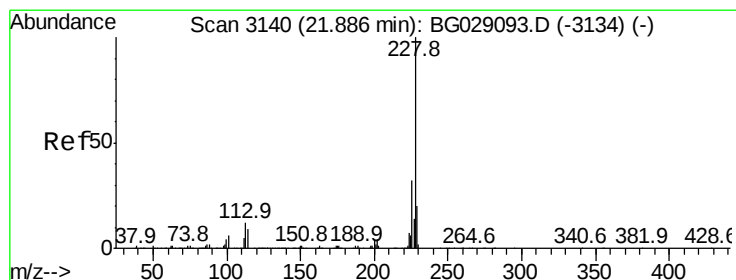
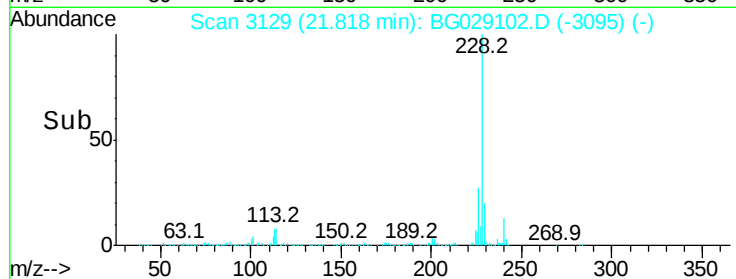
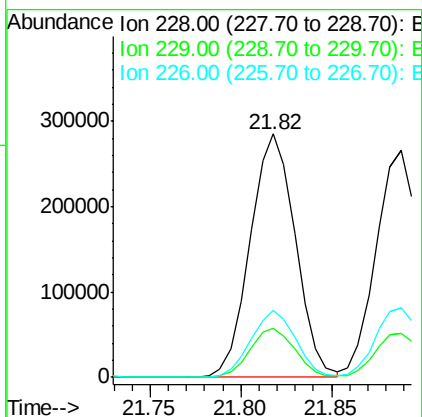
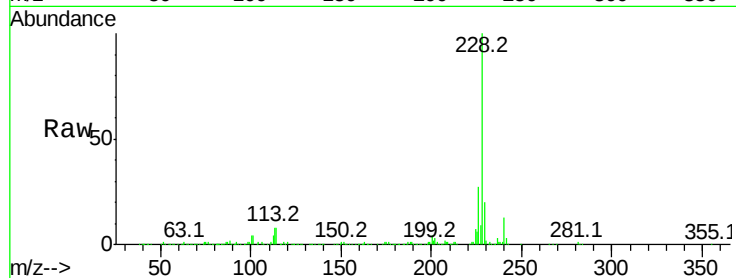




#20
Benzo(a)anthracene
Concen: 22.312 ng/ul
RT: 21.82 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BG029102.D
Acq: 9 Oct 2017 11:15

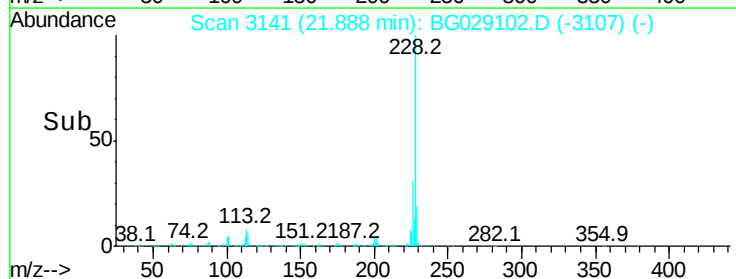
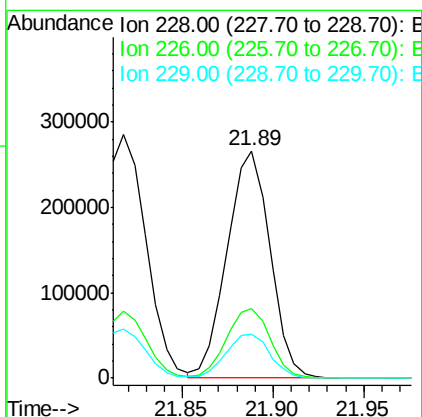
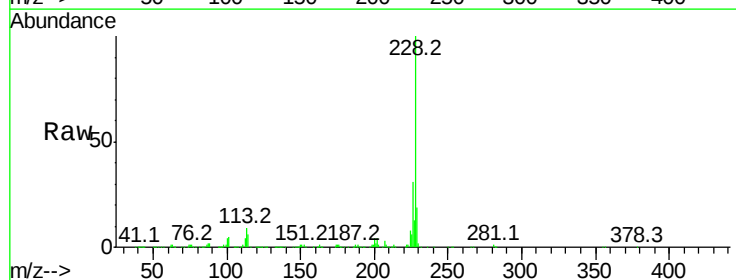
Instrument :
BNA_G
ClientSampleId :
SSTD02063

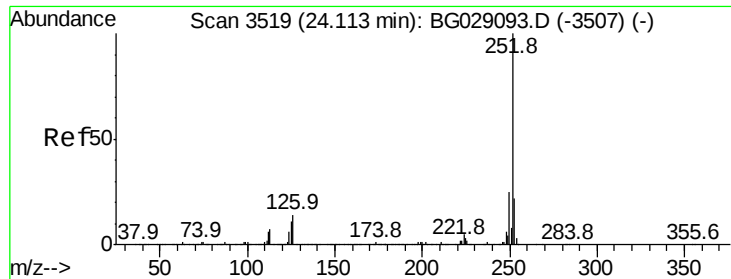
Tot Ion:228 Resp: 493770
Ion Ratio Lower Upper
228 100
229 20.2 15.7 23.5
226 27.4 21.1 31.7



#21
Chrysene
Concen: 21.737 ng/ul
RT: 21.89 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG029102.D
Acq: 9 Oct 2017 11:15

Tgt Ion:228 Resp: 440490
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 19.1 15.8 23.8

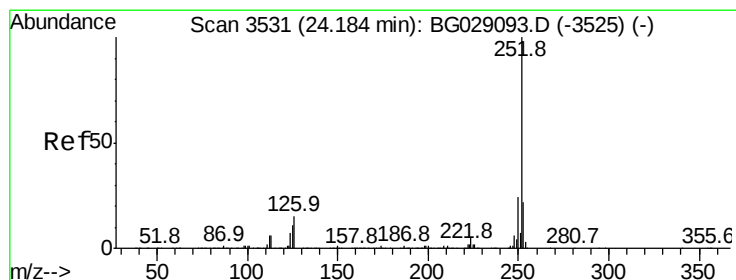
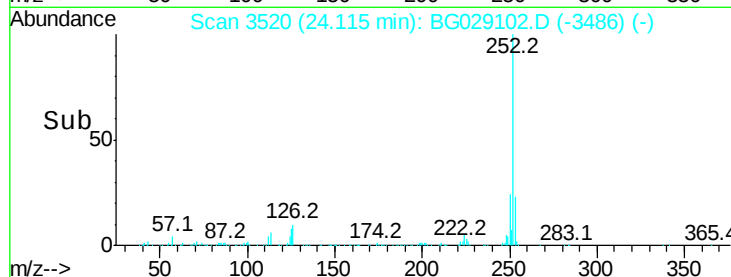
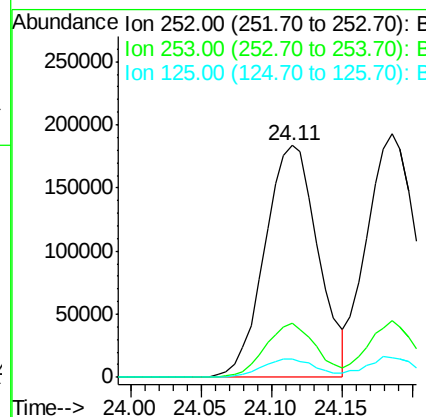
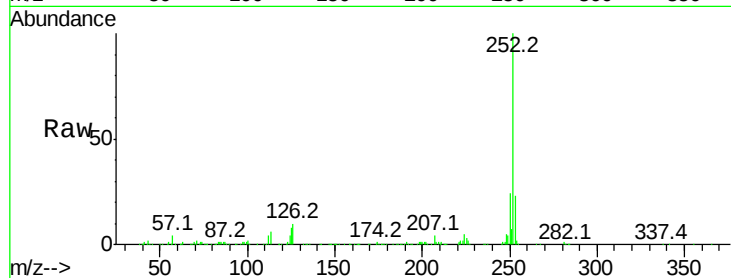




#23
Benzo(b)fluoranthene
Concen: 21.206 ng/ul
RT: 24.11 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG029102.D
Acq: 9 Oct 2017 11:15

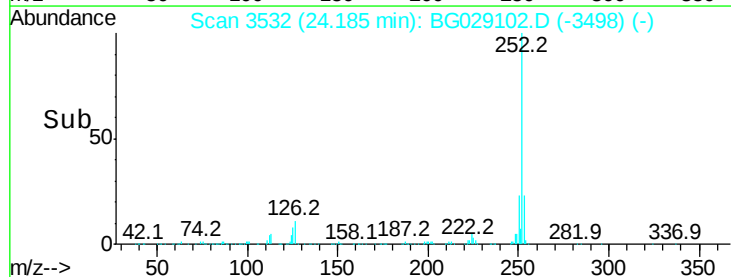
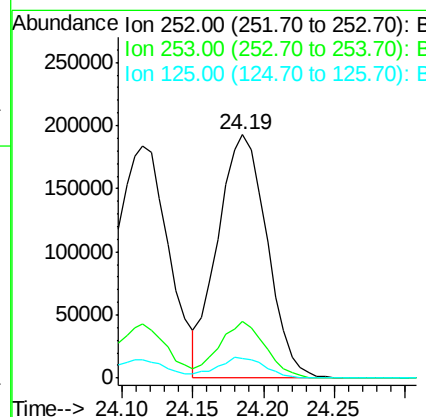
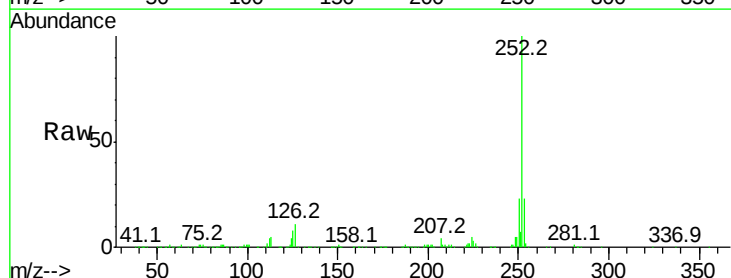
Instrument :
BNA_G
ClientSampleId :
SSTD02063

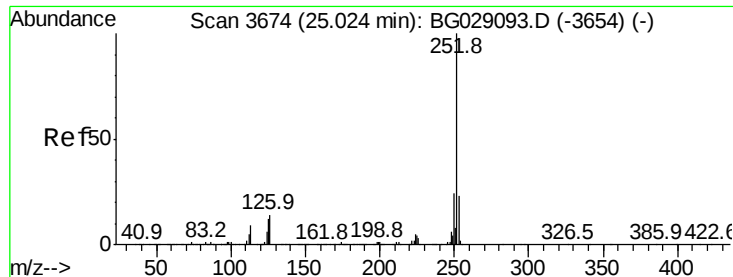
Tot Ion:252 Resp: 483340
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 8.0 8.0 12.0



#24
Benzo(k)fluoranthene
Concen: 21.077 ng/ul
RT: 24.19 min Scan# 3532
Delta R.T. 0.00 min
Lab File: BG029102.D
Acq: 9 Oct 2017 11:15

Tgt Ion:252 Resp: 468877
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 8.1 8.1 12.1





#26

Benzo(a)pyrene

Concen: 21.037 ng/ul

RT: 25.03 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

BNA_G

ClientSampleId :

SSTD02063

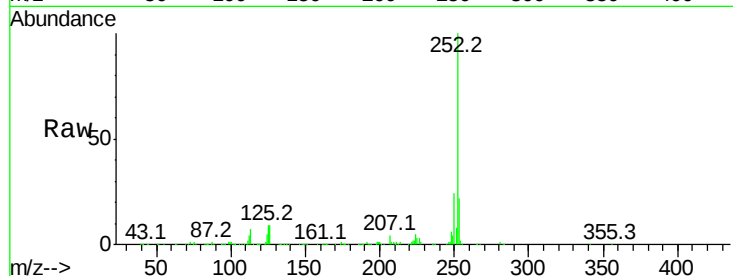
Tot Ion:252 Resp: 465727

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	9.0	8.2	12.4

252 100

253 22.1 17.2 25.8

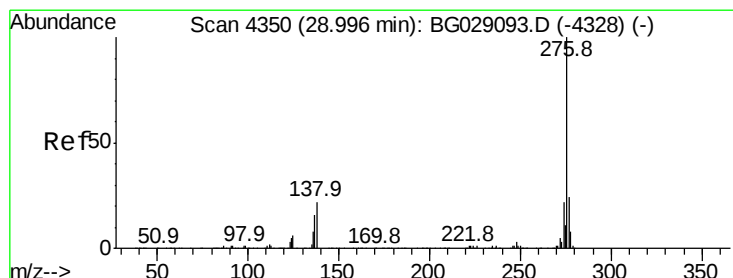
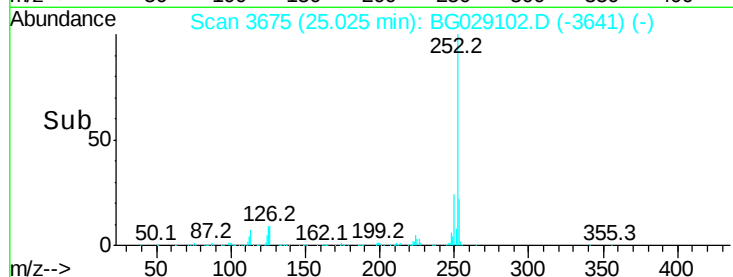
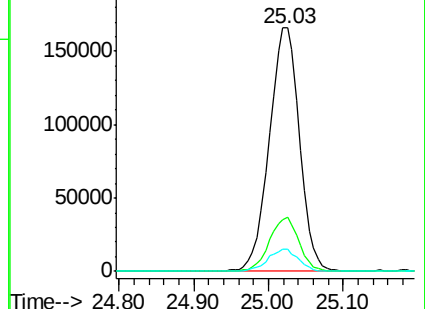
125 9.0 8.2 12.4



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: 21.217 ng/ul

RT: 29.00 min Scan# 4351

Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

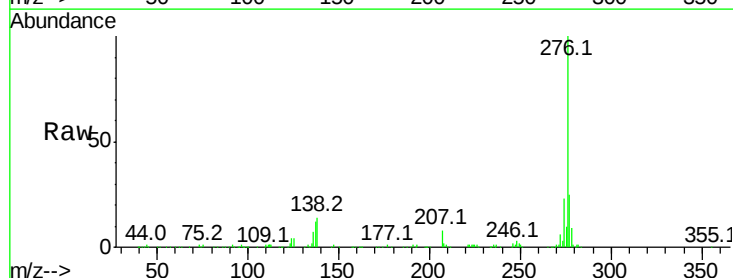
Tgt Ion:276 Resp: 533099

Ion	Ratio	Lower	Upper
276	100		
138	13.9	14.4	21.6#
277	24.8	18.0	27.0

276 100

138 13.9 14.4 21.6#

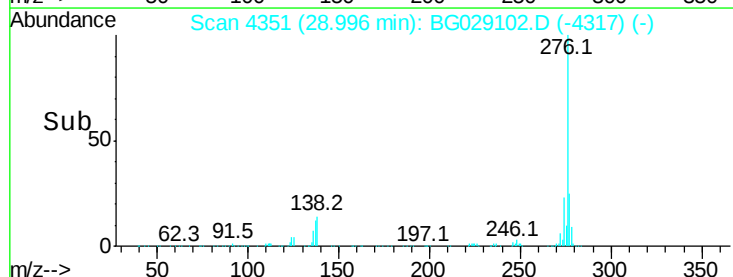
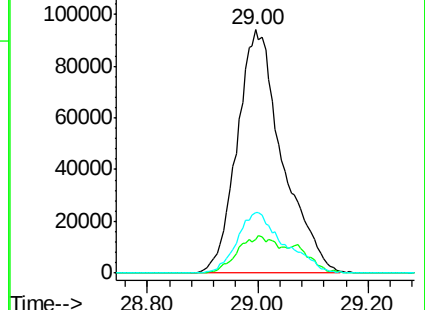
277 24.8 18.0 27.0

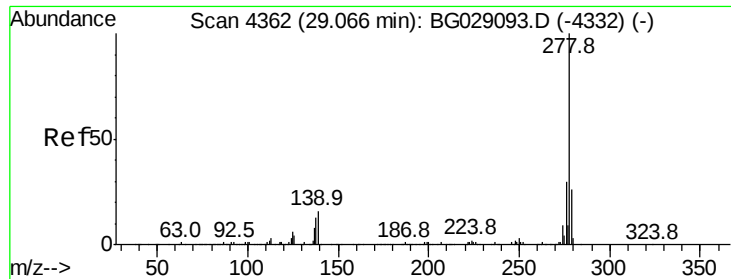


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 21.249 ng/ul

RT: 29.07 min Scan# 4363

Delta R.T. 0.00 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

Instrument :

BNA_G

ClientSampleId :

SSTD02063

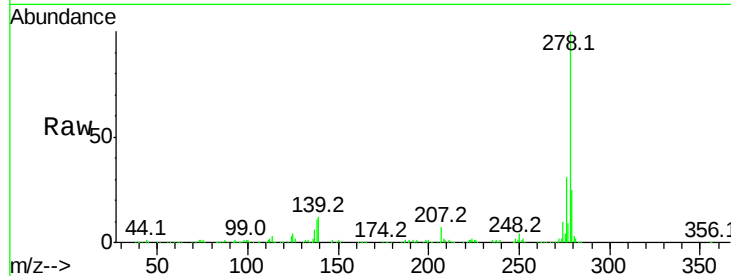
Tot Ion:278 Resp: 442060

Ion Ratio Lower Upper

278 100

139 11.8 12.2 18.4#

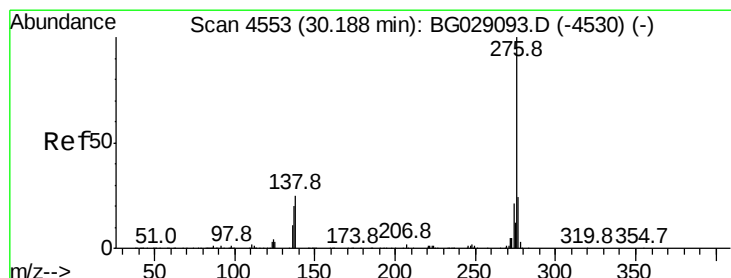
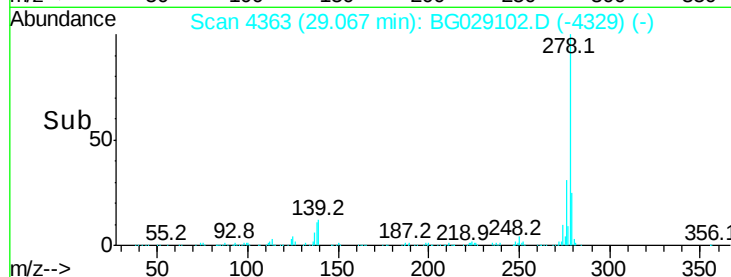
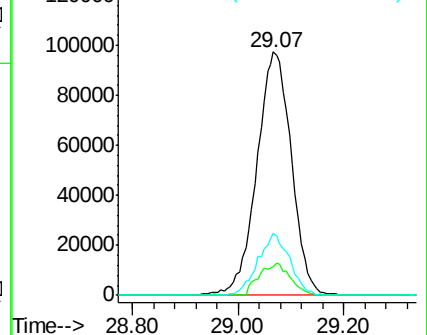
279 25.2 19.2 28.8



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: 21.563 ng/ul

RT: 30.20 min Scan# 4556

Delta R.T. 0.01 min

Lab File: BG029102.D

Acq: 9 Oct 2017 11:15

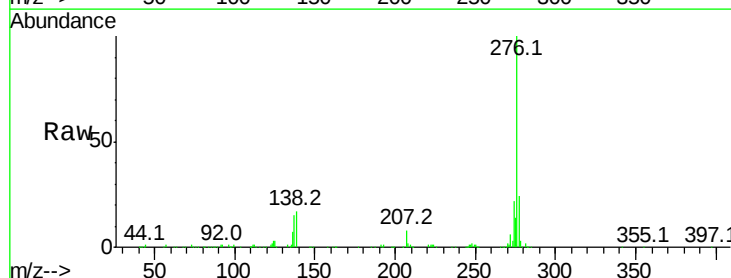
Tgt Ion:276 Resp: 446764

Ion Ratio Lower Upper

276 100

138 16.7 15.3 22.9

277 23.9 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

