

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029116.D
 Acq On : 9 Oct 2017 20:37
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02064

Quant Time: Oct 10 04:49:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 04:45:55 2017
 Response via : Initial Calibration

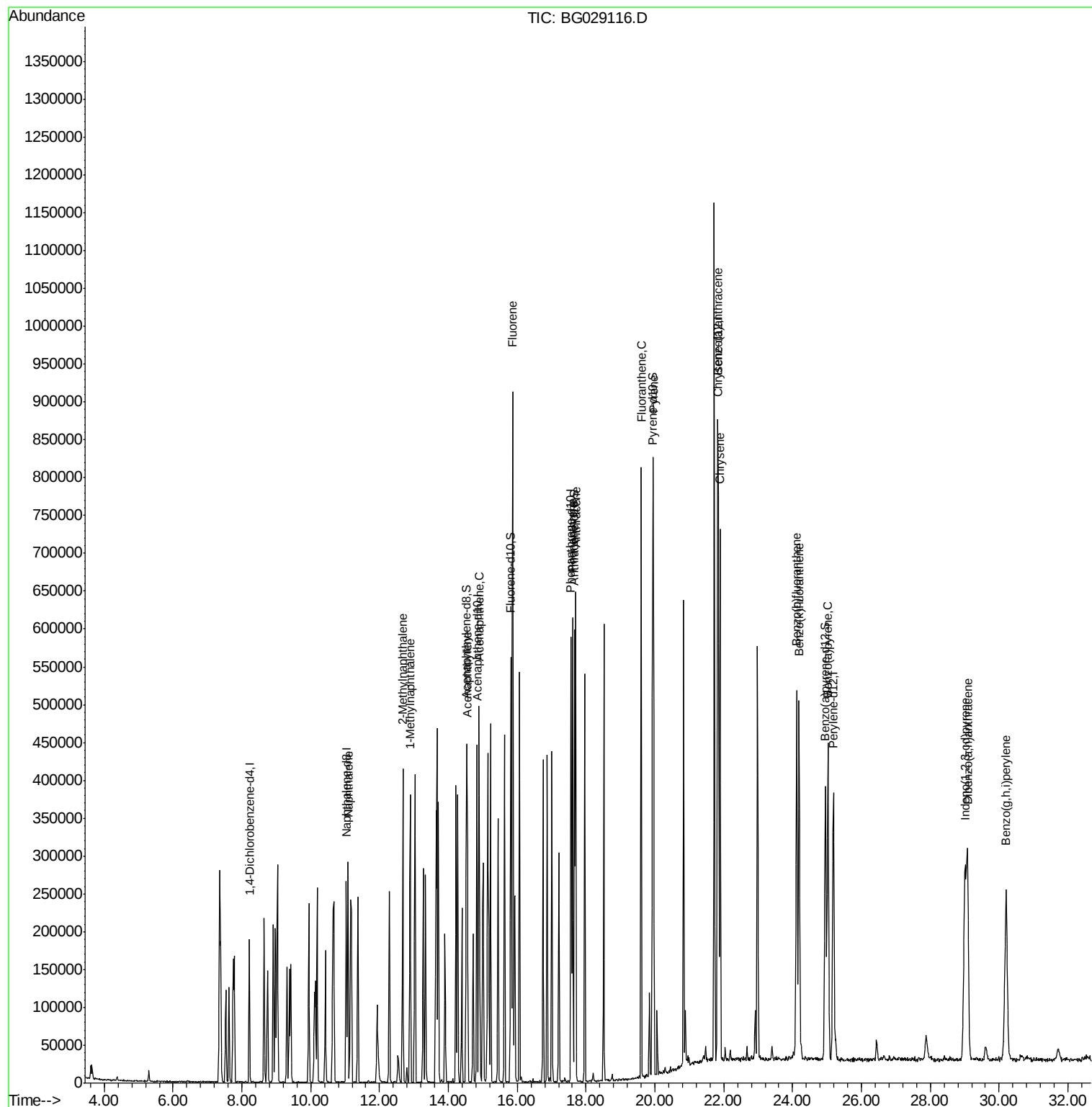
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	51207	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	229775	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	157684	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	370719	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	401606	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	404300	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	316646	19.31	ng/ul	0.00
10) Fluorene-d10	15.81	176	245071	20.60	ng/ul	0.00
14) Anthracene-d10	17.66	188	369810	20.59	ng/ul	0.00
18) Pyrene-d10	19.93	212	432715	21.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.95	264	412853	21.32	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.09	128	244907	20.474	ng/ul	99
4) 2-Methylnaphthalene	12.67	142	188709	20.786	ng/ul	96
5) 1-Methylnaphthalene	12.89	142	178475	20.598	ng/ul	94
8) Acenaphthylene	14.55	152	308640	19.548	ng/ul	99
9) Acenaphthene	14.89	153	218460	20.330	ng/ul	94
11) Fluorene	15.87	166	249694	19.854	ng/ul	95
13) Phenanthrene	17.61	178	403636	20.413	ng/ul	99
15) Anthracene	17.69	178	418343	20.679	ng/ul	98
16) Fluoranthene	19.60	202	500968	21.612	ng/ul#	91
19) Pyrene	19.96	202	503915	20.129	ng/ul#	92
20) Benzo(a)anthracene	21.82	228	512243	21.658	ng/ul	97
21) Chrysene	21.89	228	462087	21.336	ng/ul	100
23) Benzo(b)fluoranthene	24.12	252	523360	21.638	ng/ul#	96
24) Benzo(k)fluoranthene	24.19	252	481809	20.410	ng/ul#	95
26) Benzo(a)pyrene	25.03	252	494865	21.065	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	29.01	276	579295	21.727	ng/ul#	94
28) Dibenzo(a,h)anthracene	29.08	278	480001	21.743	ng/ul#	95
29) Benzo(g,h,i)perylene	30.20	276	484945	22.056	ng/ul#	96

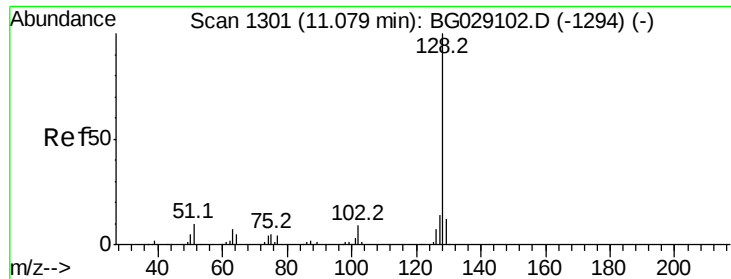
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.474 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

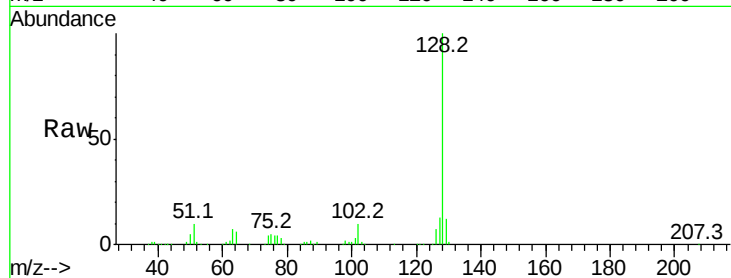
Tot Ion:128 Resp: 244907

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

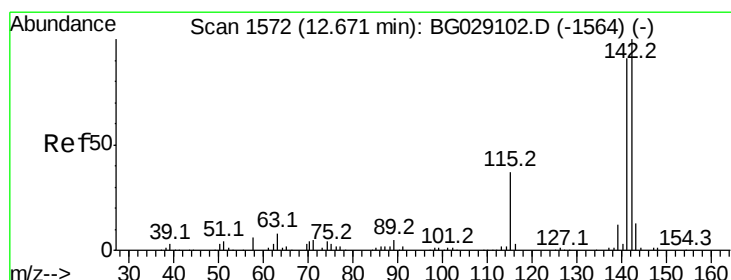
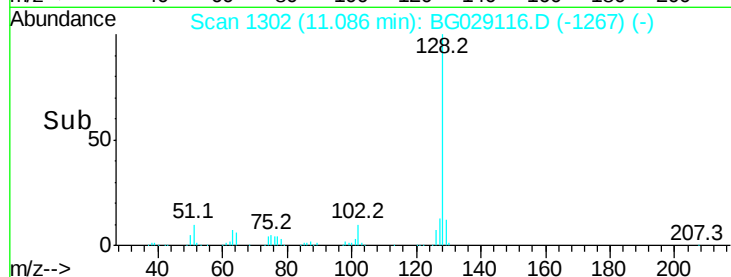
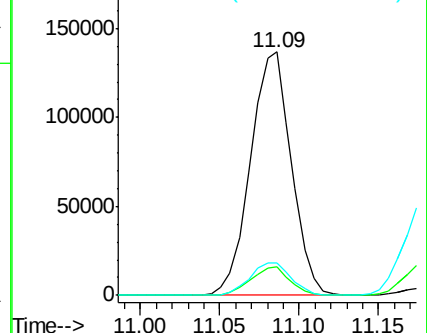
127 13.2 10.6 16.0



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: 20.786 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BG029116.D

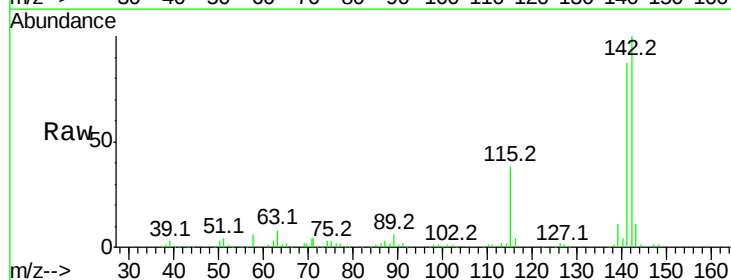
Acq: 9 Oct 2017 20:37

Tgt Ion:142 Resp: 188709

Ion Ratio Lower Upper

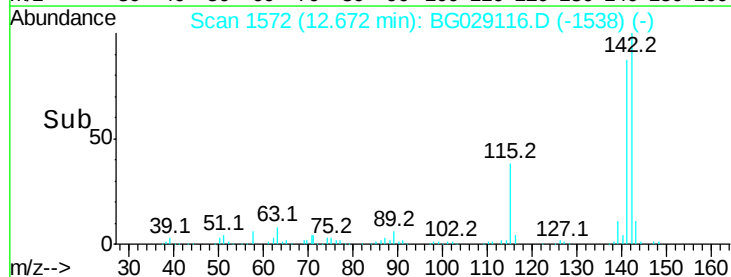
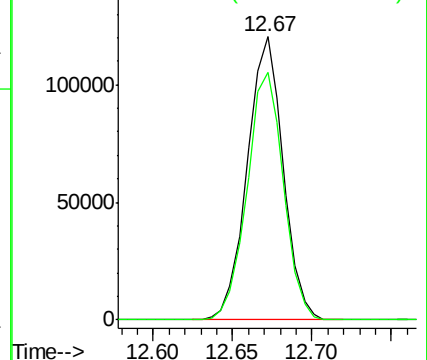
142 100

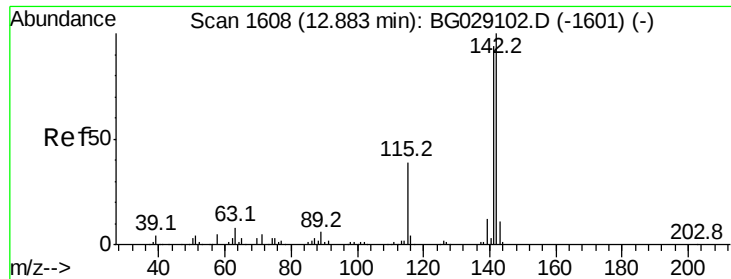
141 87.3 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.598 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.01 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

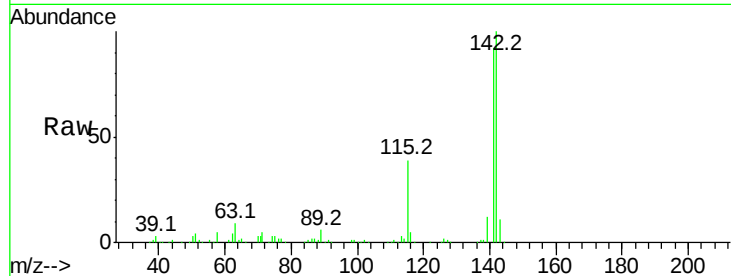
Tot Ion:142 Resp: 178475

Ion Ratio Lower Upper

142 100

141 92.4 79.3 118.9

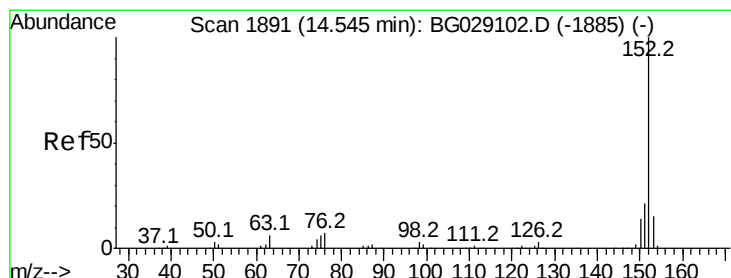
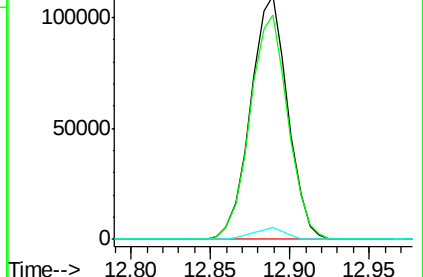
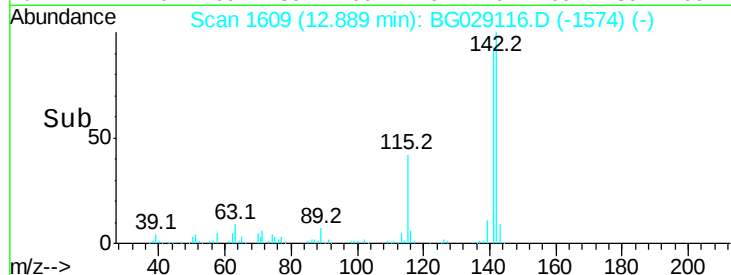
116 4.8 4.2 6.2



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: 19.548 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.01 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

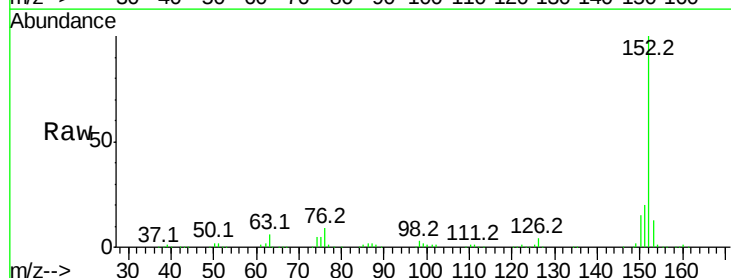
Tgt Ion:152 Resp: 308640

Ion Ratio Lower Upper

152 100

151 20.3 16.7 25.1

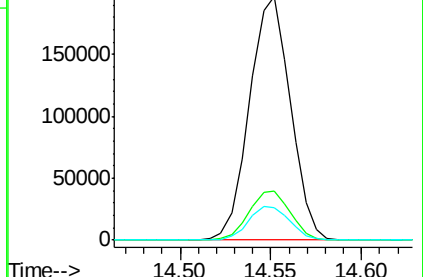
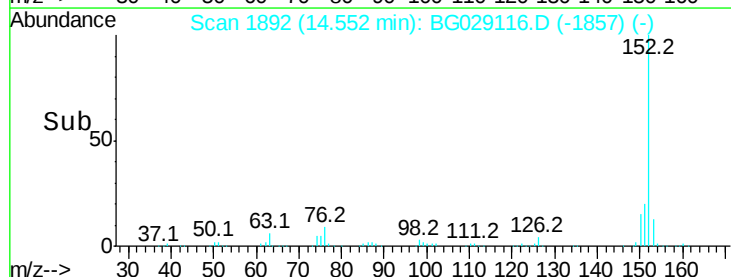
153 13.4 10.2 15.4

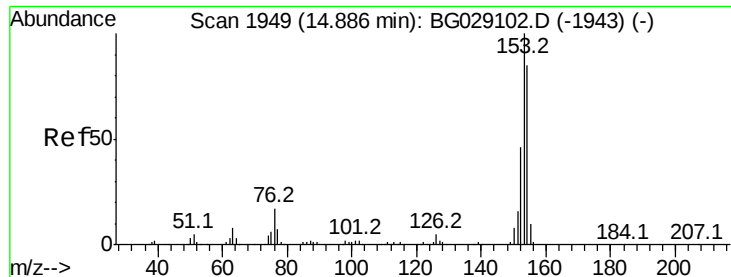


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.330 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

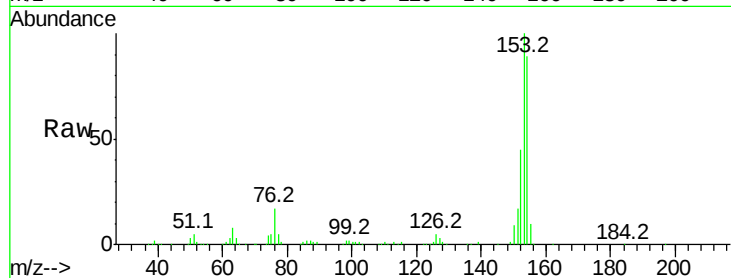
Tot Ion:153 Resp: 218460

Ion Ratio Lower Upper

153 100

152 44.9 39.0 58.6

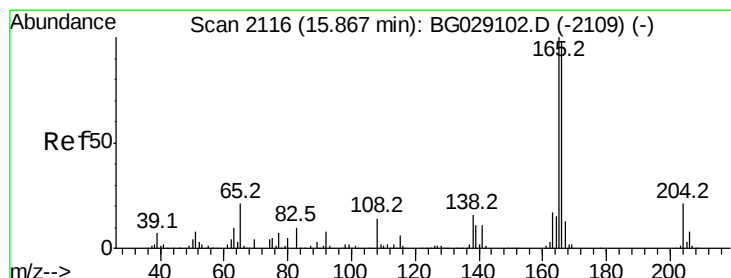
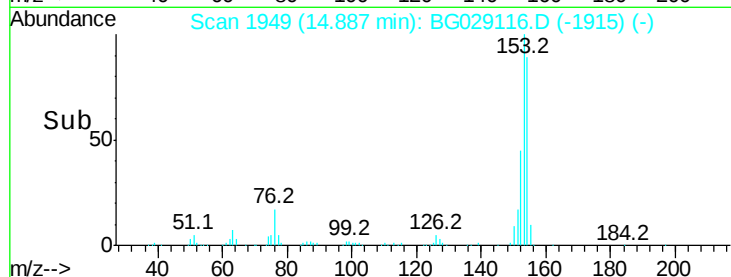
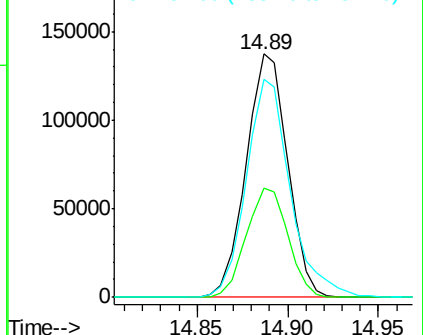
154 89.3 66.8 100.2



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: 19.854 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

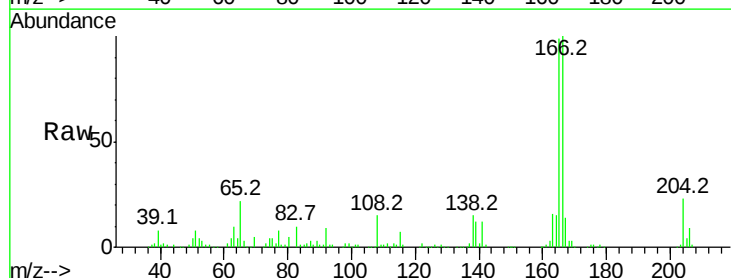
Tgt Ion:166 Resp: 249694

Ion Ratio Lower Upper

166 100

165 99.2 83.8 125.8

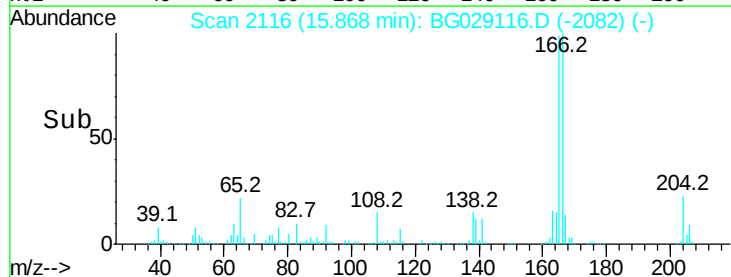
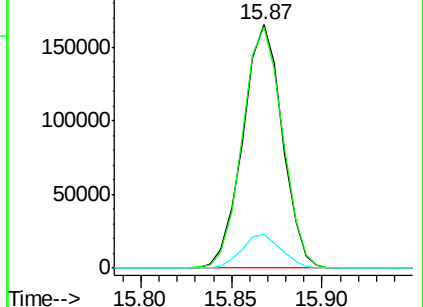
167 13.7 11.5 17.3

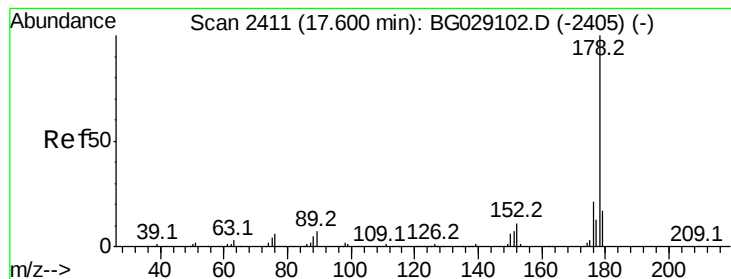


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.413 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

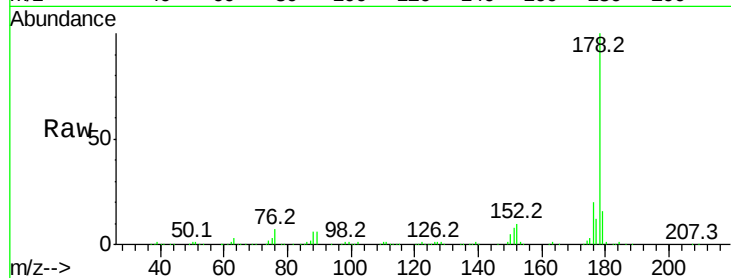
Tot Ion:178 Resp: 403636

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

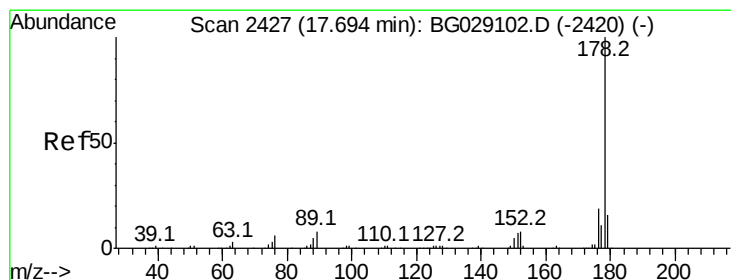
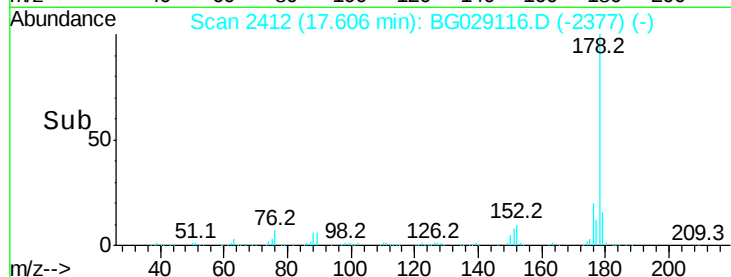
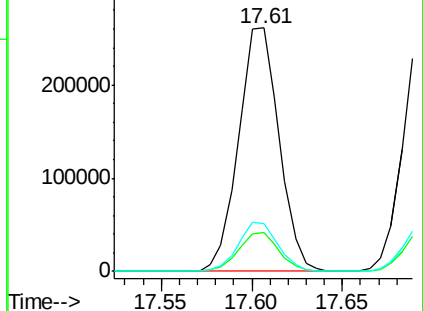
176 19.8 15.1 22.7



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: 20.679 ng/ul

RT: 17.69 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

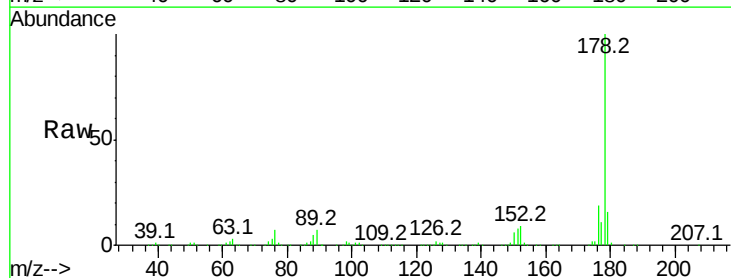
Tgt Ion:178 Resp: 418343

Ion Ratio Lower Upper

178 100

179 15.8 11.8 17.8

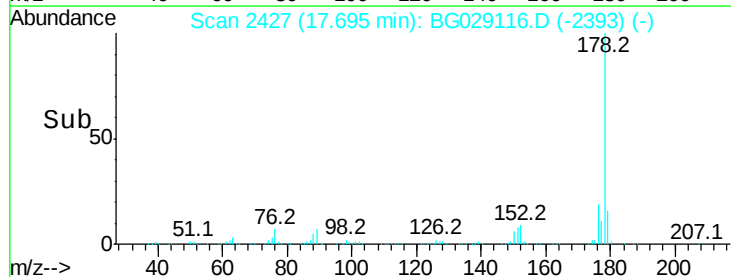
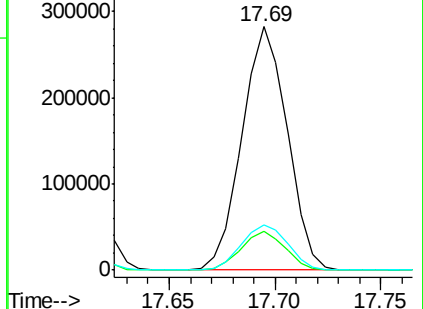
176 18.6 15.2 22.8

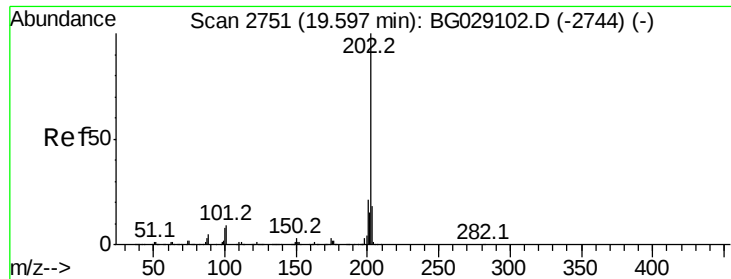


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

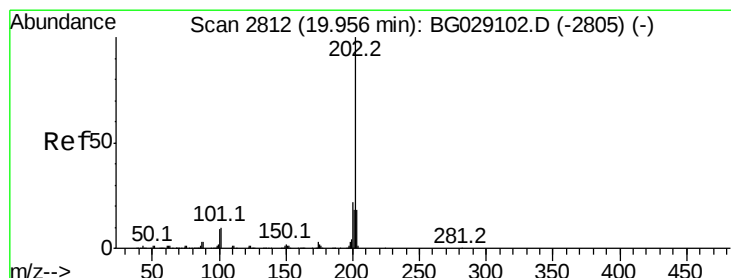
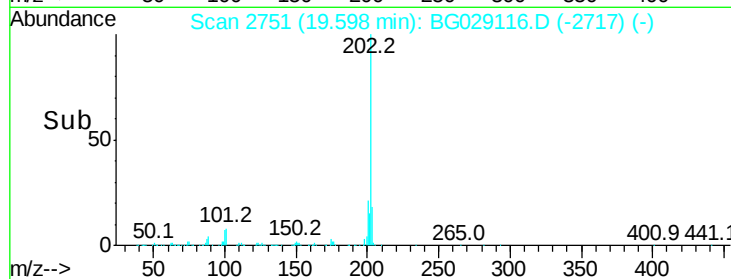
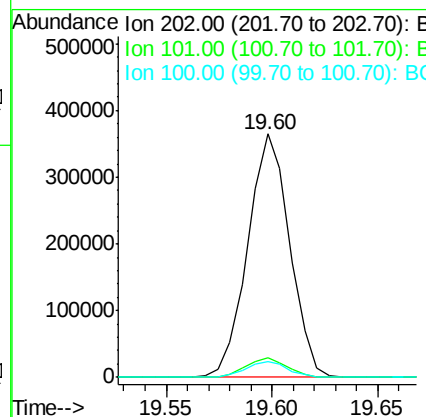
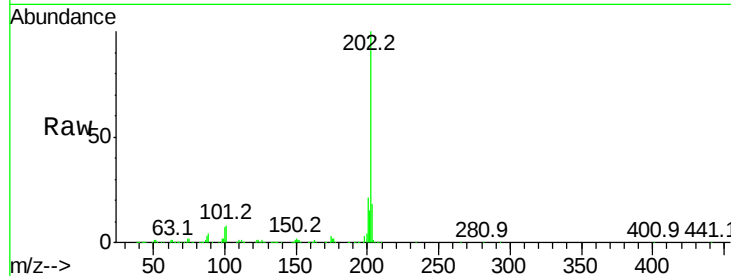




#16
Fluoranthene
 Concen: 21.612 ng/ul
 RT: 19.60 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: BG029116.D
 Acq: 9 Oct 2017 20:37

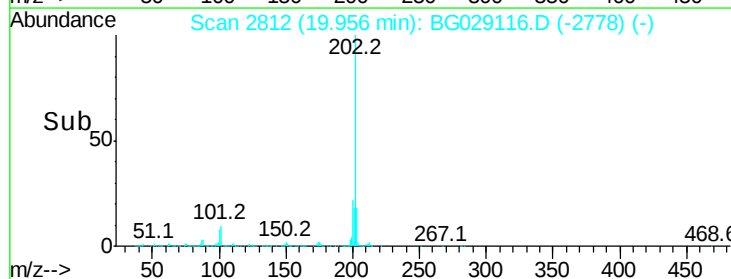
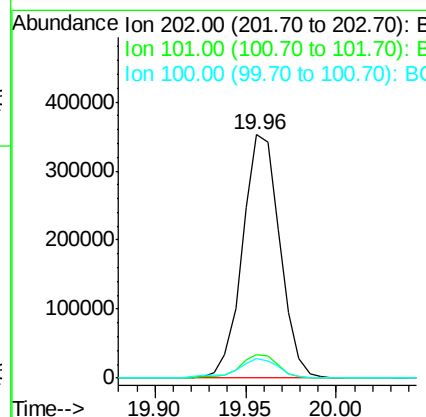
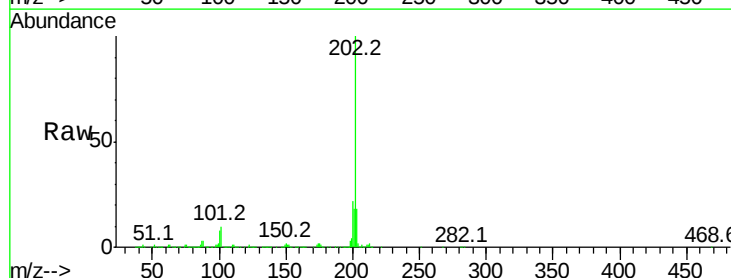
Instrument :
 BNA_G
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 SSTD02064

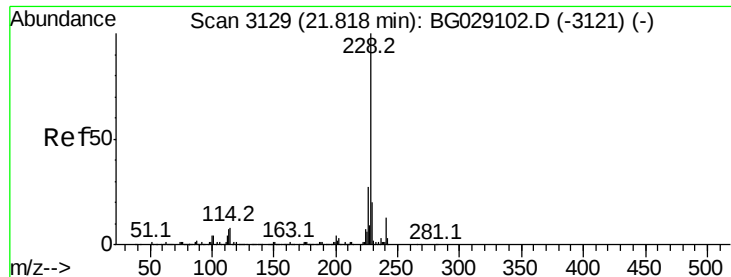
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.2	9.9	14.9#
100	6.5	7.4	11.0#



#19
Pyrene
 Concen: 20.129 ng/ul
 RT: 19.96 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: BG029116.D
 Acq: 9 Oct 2017 20:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	11.0	16.4#
100	8.2	8.1	12.1





#20

Benzo(a)anthracene

Concen: 21.658 ng/ul

RT: 21.82 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

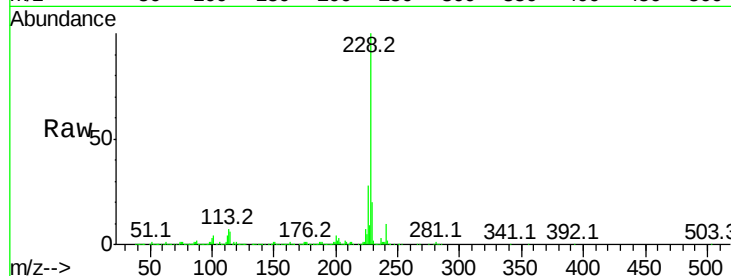
Tot Ion:228 Resp: 512243

Ion Ratio Lower Upper

228 100

229 20.5 15.7 23.5

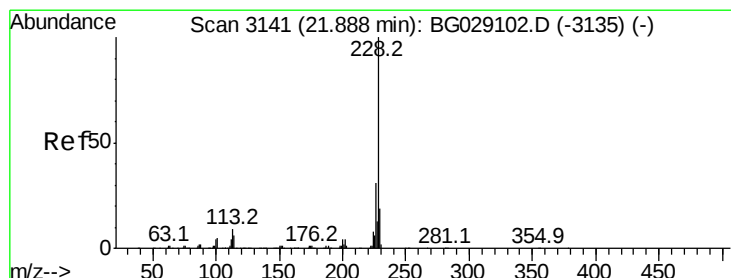
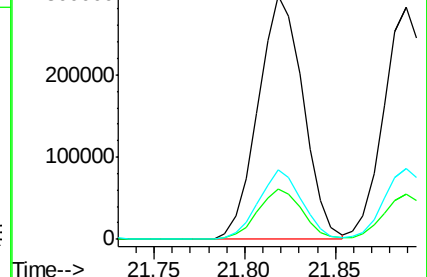
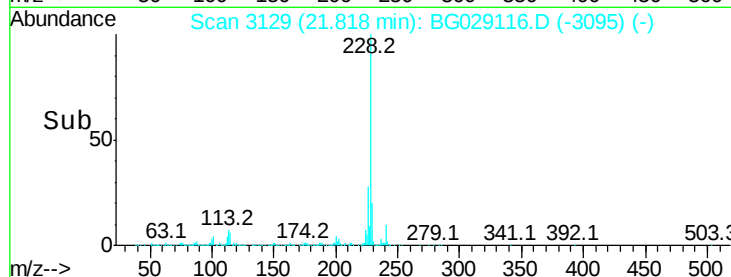
226 28.3 21.1 31.7



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: 21.336 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

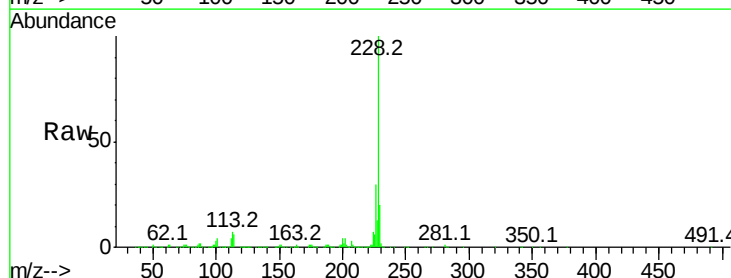
Tgt Ion:228 Resp: 462087

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

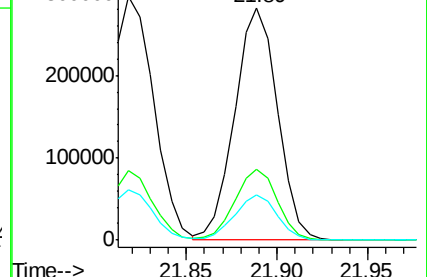
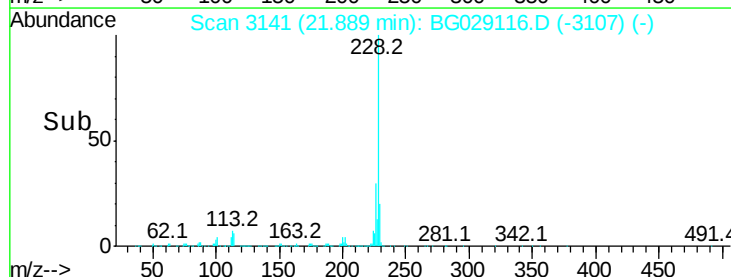
229 19.6 15.8 23.8

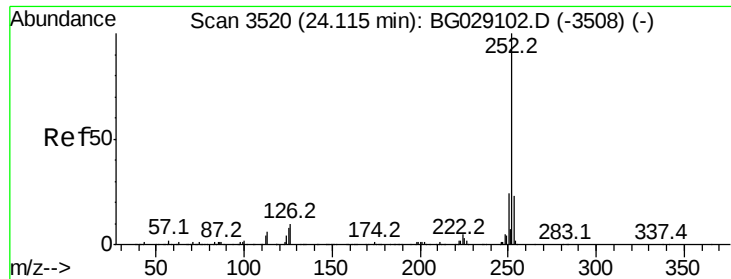


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 21.638 ng/ul

RT: 24.12 min Scan# 3520

Delta R.T. 0.00 min

Lab File: BG029116.D

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BNA_G

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SSTD02064

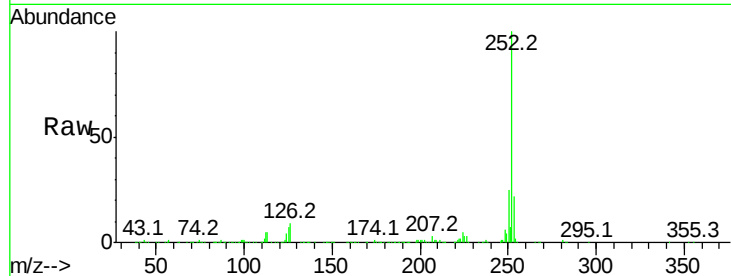
Tot Ion:252 Resp: 523360

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

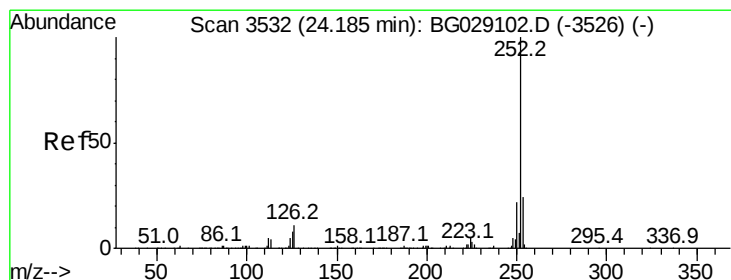
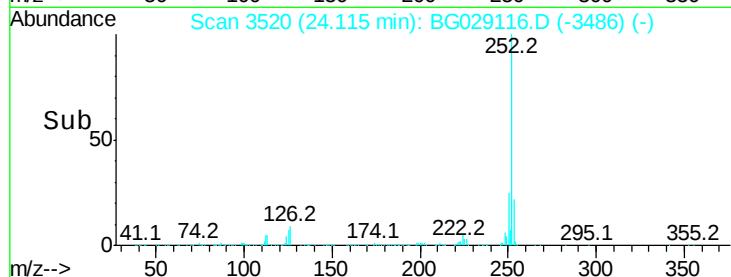
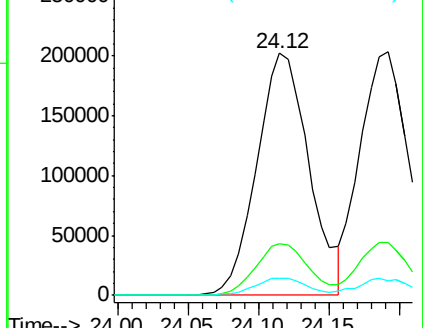
125 6.9 8.0 12.0#



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: 20.410 ng/ul

RT: 24.19 min Scan# 3533

Delta R.T. 0.01 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

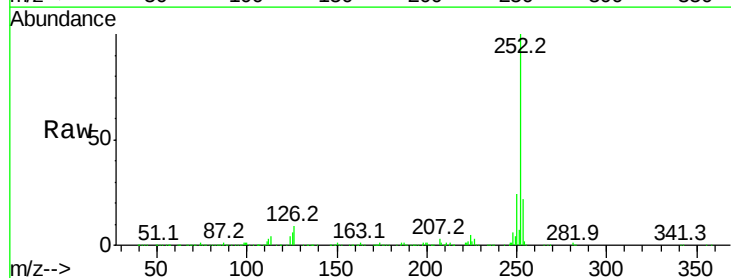
Tgt Ion:252 Resp: 481809

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

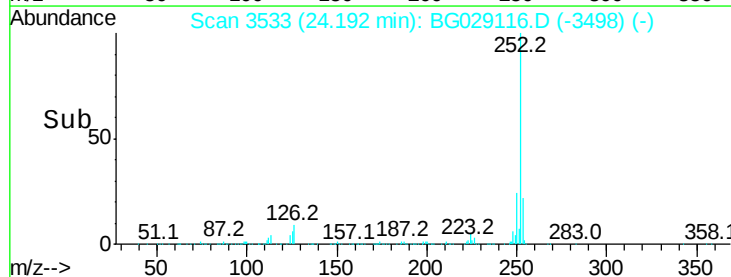
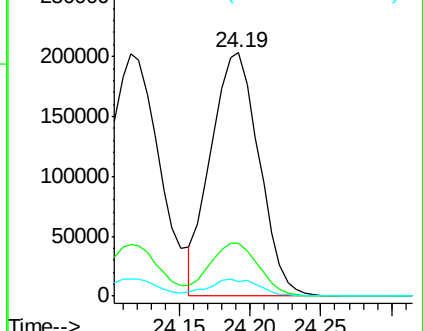
125 6.0 8.1 12.1#

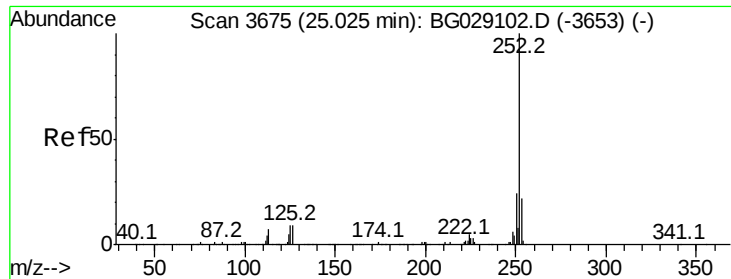


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 21.065 ng/ul

RT: 25.03 min Scan# 3675

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

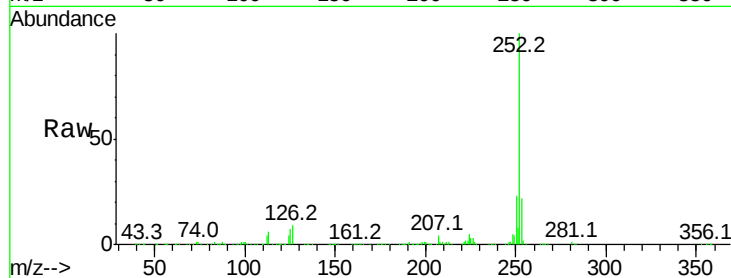
Tot Ion:252 Resp: 494865

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

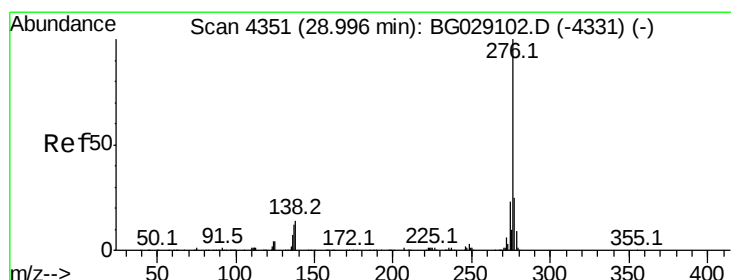
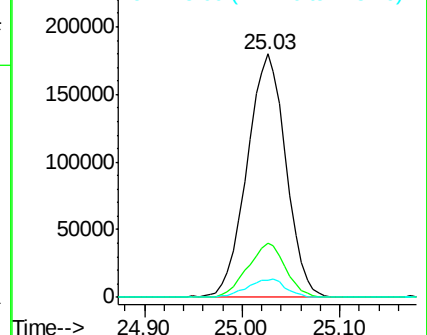
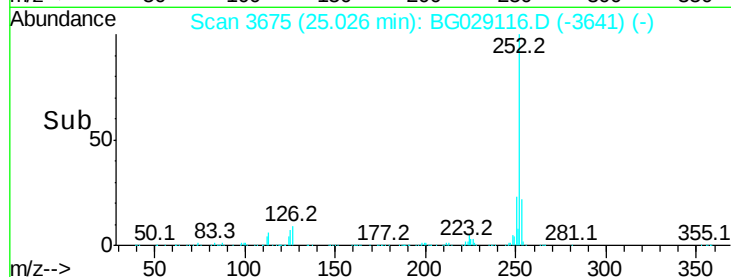
125 6.8 8.2 12.4#



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: 21.727 ng/ul

RT: 29.01 min Scan# 4353

Delta R.T. 0.01 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

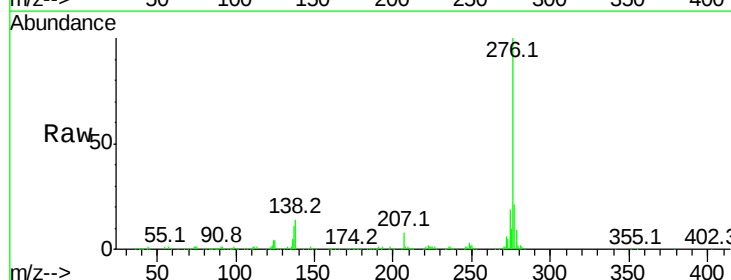
Tgt Ion:276 Resp: 579295

Ion Ratio Lower Upper

276 100

138 13.6 14.4 21.6#

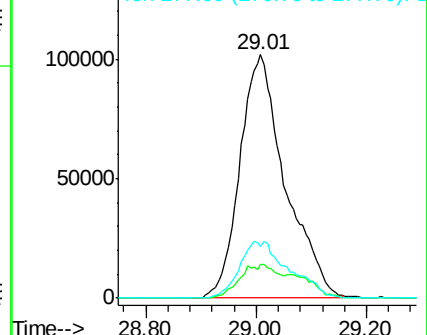
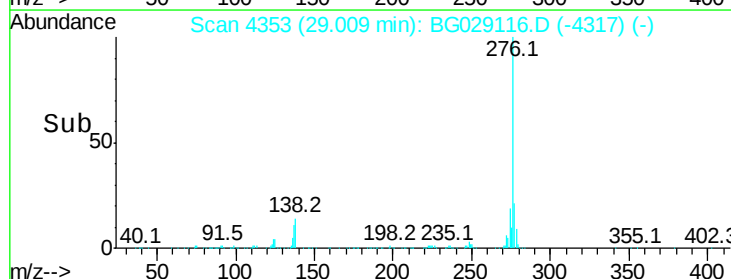
277 21.5 18.0 27.0

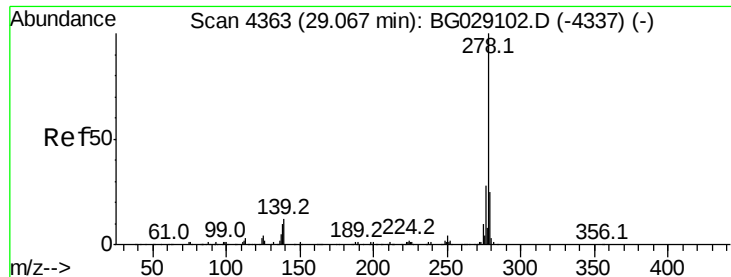


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 21.743 ng/ul

RT: 29.08 min Scan# 4366

Delta R.T. 0.02 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

Instrument :

BNA_G

ClientSampleId :

SSTD02064

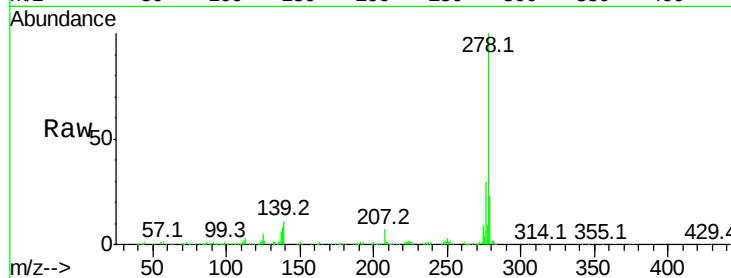
Tot Ion:278 Resp: 480001

Ion Ratio Lower Upper

278 100

139 11.2 12.2 18.4#

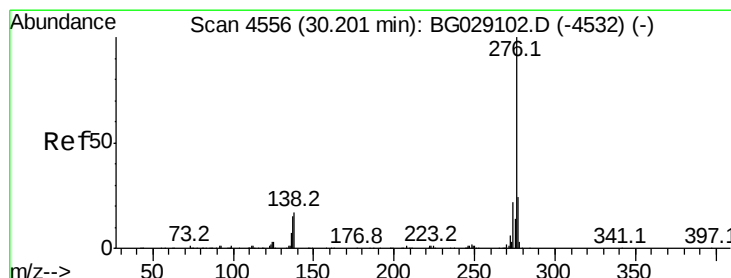
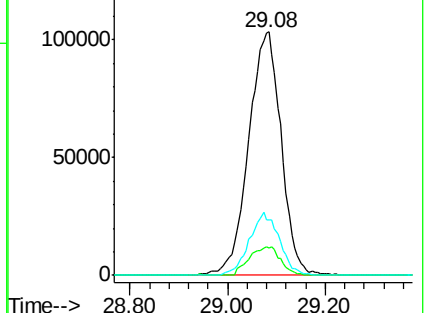
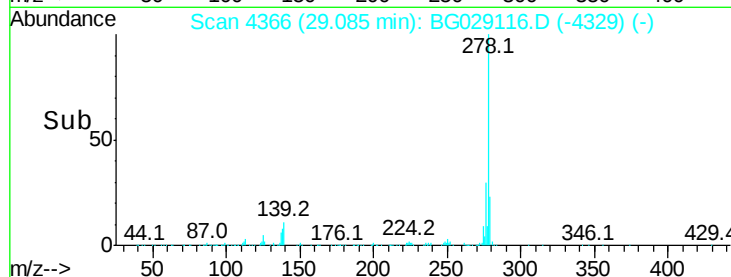
279 22.7 19.2 28.8



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: 22.056 ng/ul

RT: 30.20 min Scan# 4556

Delta R.T. 0.00 min

Lab File: BG029116.D

Acq: 9 Oct 2017 20:37

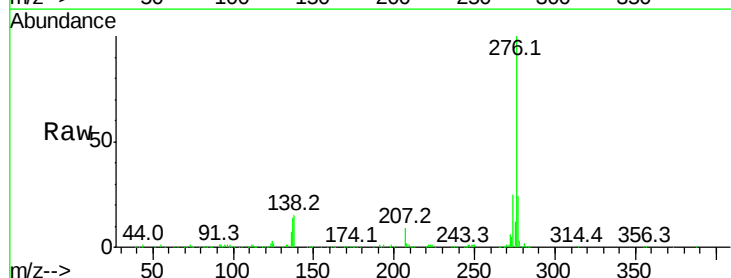
Tgt Ion:276 Resp: 484945

Ion Ratio Lower Upper

276 100

138 15.1 15.3 22.9#

277 24.0 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

