

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
 Data File : BG029148.D
 Acq On : 10 Oct 2017 20:31
 Operator : SJ/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02067

Quant Time: Oct 11 04:18:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:15:46 2017
 Response via : Initial Calibration

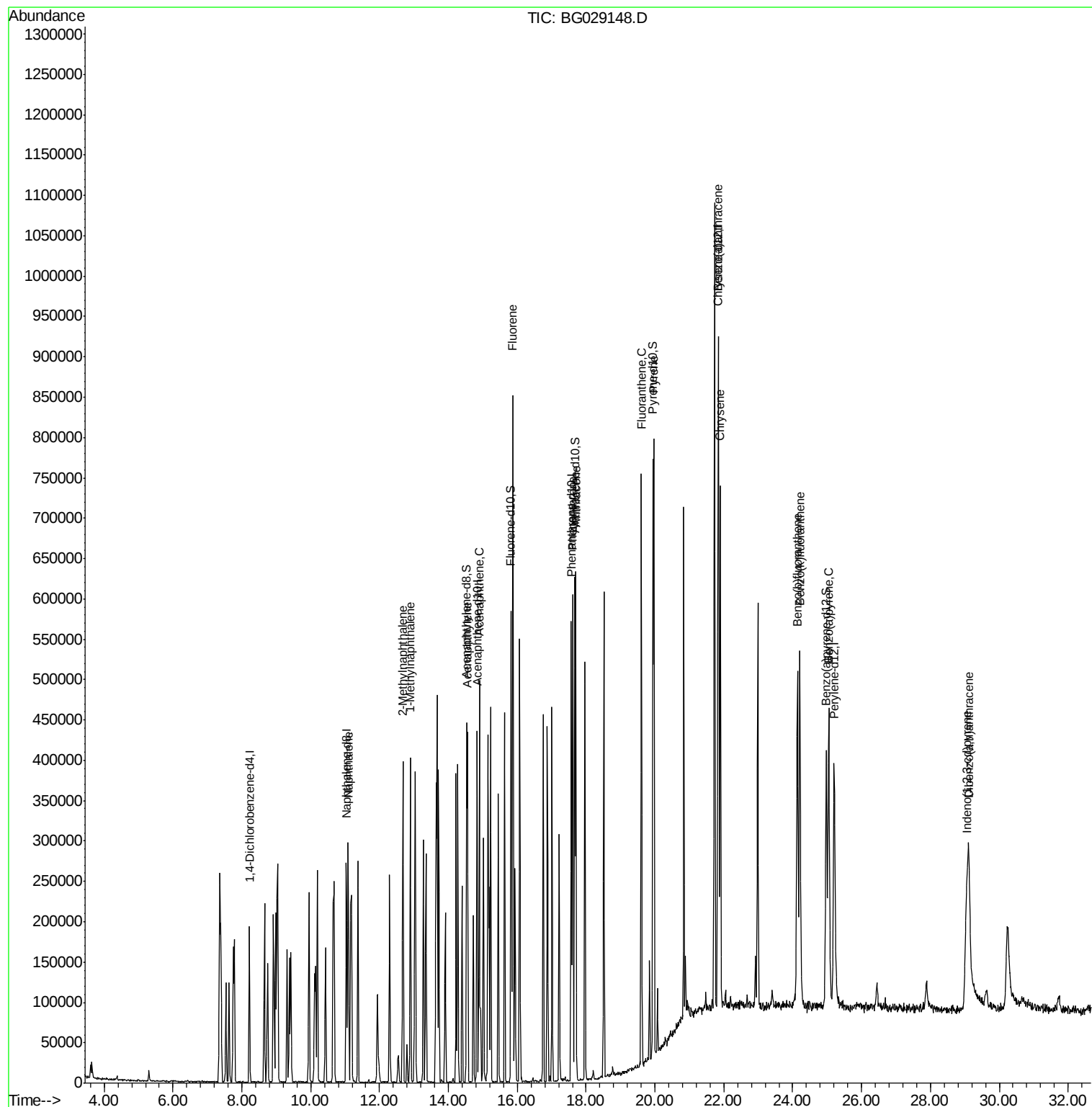
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	52875	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	231160	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	157632	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	359983	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	381731	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	381119	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.53	160	322617	19.68	ng/ul	0.00
10) Fluorene-d10	15.82	176	247858	20.85	ng/ul	0.00
14) Anthracene-d10	17.67	188	369930	21.22	ng/ul	0.00
18) Pyrene-d10	19.94	212	417043	21.35	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.97	264	389459	21.33	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.09	128	245476	20.398	ng/ul	100
4) 2-Methylnaphthalene	12.67	142	188410	20.628	ng/ul	97
5) 1-Methylnaphthalene	12.89	142	180518	20.709	ng/ul#	96
8) Acenaphthylene	14.55	152	305991	19.386	ng/ul	99
9) Acenaphthene	14.90	153	216542	20.158	ng/ul	95
11) Fluorene	15.88	166	248123	19.736	ng/ul	95
13) Phenanthrene	17.61	178	400106	20.837	ng/ul	98
15) Anthracene	17.70	178	413253	21.037	ng/ul	99
16) Fluoranthene	19.61	202	477168	21.199	ng/ul#	88
19) Pyrene	19.96	202	483266	20.309	ng/ul#	90
20) Benzo(a)anthracene	21.83	228	488405	21.725	ng/ul	99
21) Chrysene	21.90	228	437695	21.262	ng/ul	100
23) Benzo(b)fluoranthene	24.14	252	476293	20.890	ng/ul#	96
24) Benzo(k)fluoranthene	24.21	252	462838	20.799	ng/ul#	96
26) Benzo(a)pyrene	25.05	252	462717	20.894	ng/ul#	97
27) Indeno(1,2,3-cd)pyrene	29.06	276	423914	16.866	ng/ul#	90
28) Dibenzo(a,h)anthracene	29.11	278	381084	18.312	ng/ul#	95

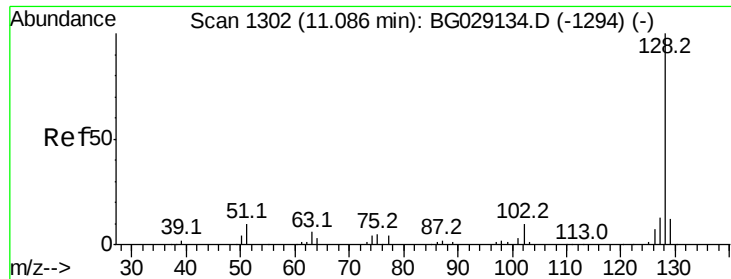
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.398 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

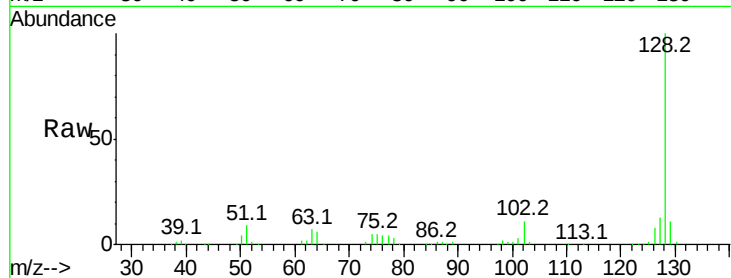
BNA_G

ClientSampleId :

SSTD02067

Tot Ion:128 Resp: 245476

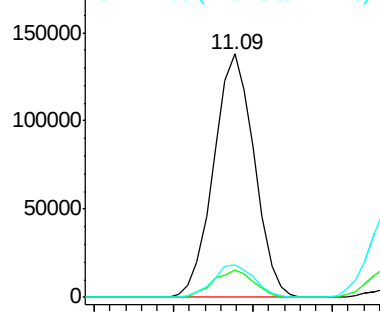
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.4	10.6	16.0



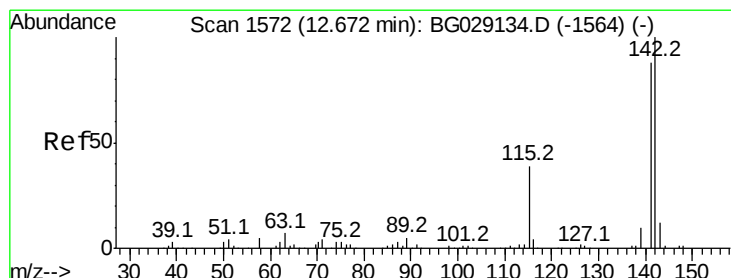
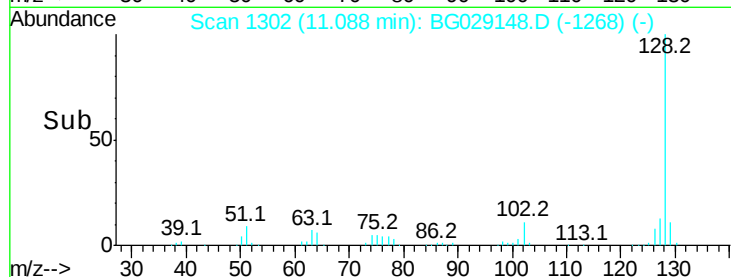
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#4

2-Methylnaphthalene

Concen: 20.628 ng/ul

RT: 12.67 min Scan# 1572

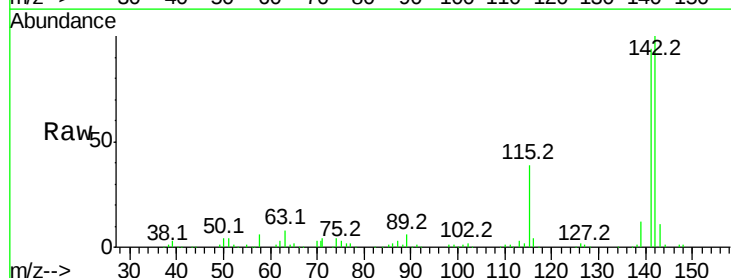
Delta R.T. 0.00 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

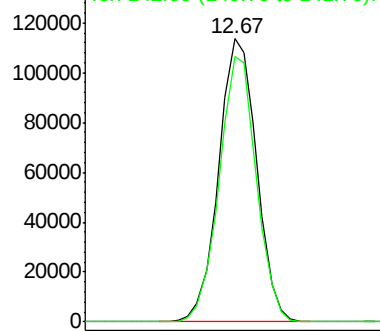
Tgt Ion:142 Resp: 188410

Ion	Ratio	Lower	Upper
142	100		
141	94.0	72.7	109.1

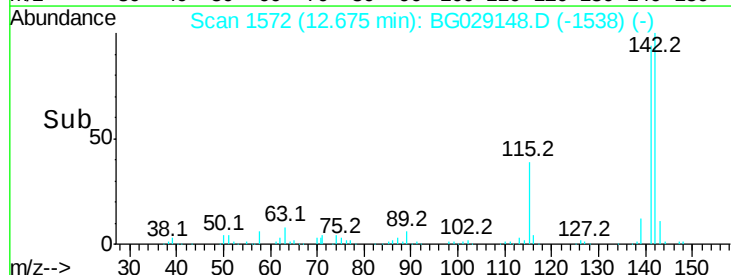


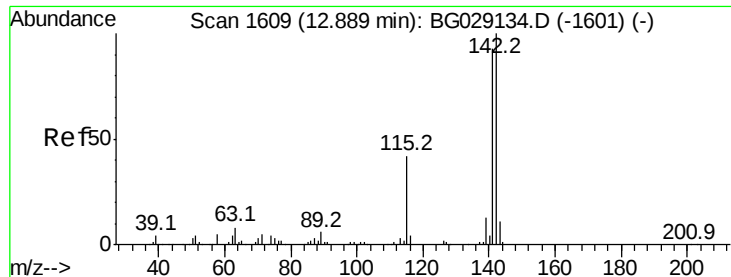
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#5

1-Methylnaphthalene

Concen: 20.709 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

BNA_G

ClientSampleId :

SSTD02067

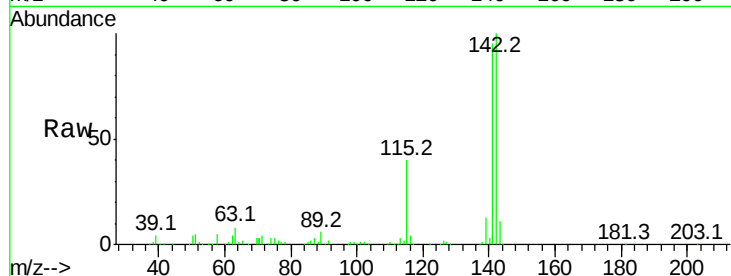
Tot Ion:142 Resp: 180518

Ion Ratio Lower Upper

142 100

141 95.0 79.3 118.9

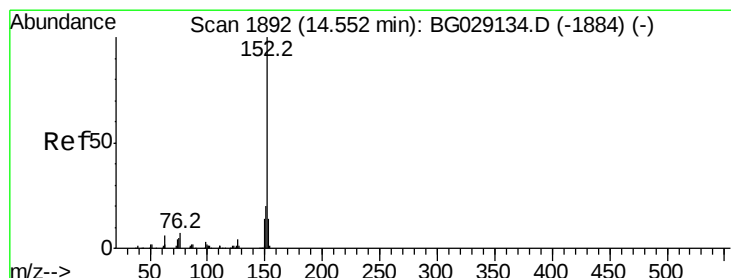
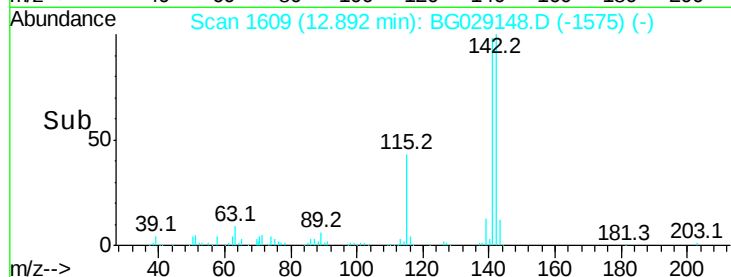
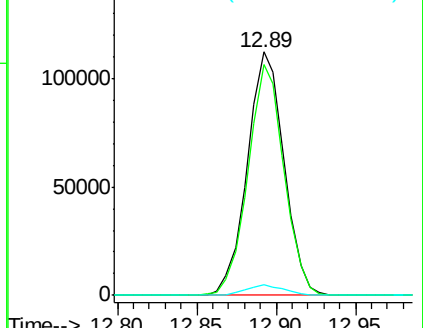
116 4.1 4.2 6.2#



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: 19.386 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

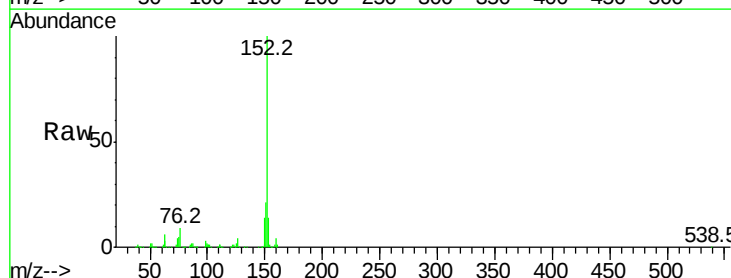
Tgt Ion:152 Resp: 305991

Ion Ratio Lower Upper

152 100

151 21.3 16.7 25.1

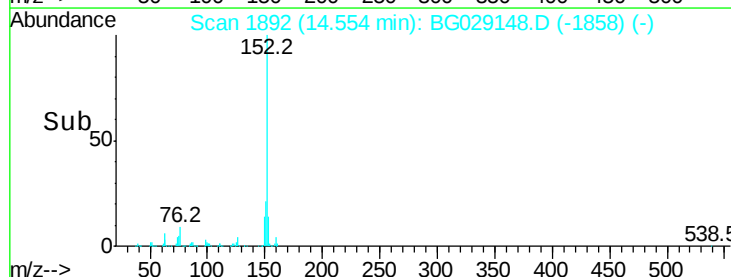
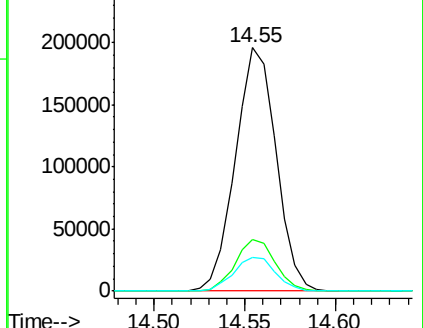
153 13.8 10.2 15.4

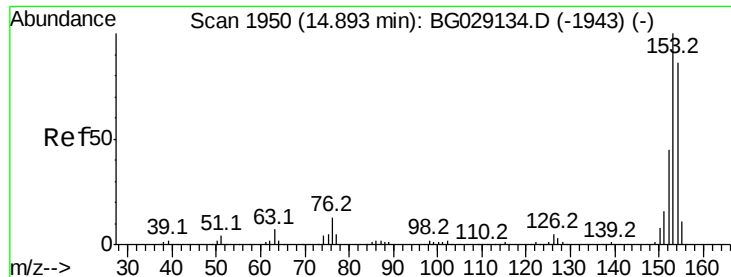


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.158 ng/ul

RT: 14.90 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

BNA_G

ClientSampleId :

SSTD02067

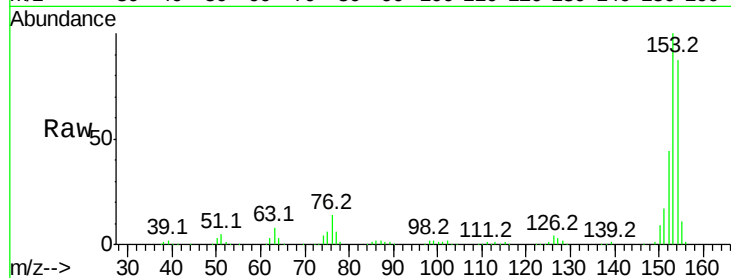
Tot Ion:153 Resp: 216542

Ion Ratio Lower Upper

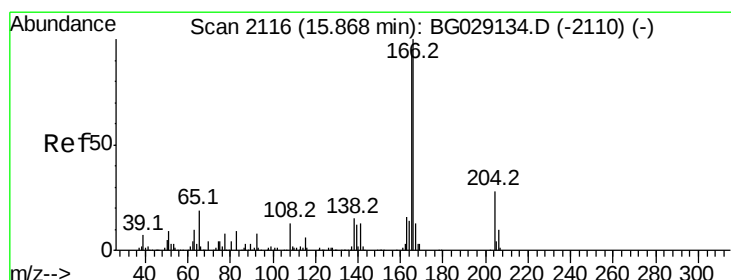
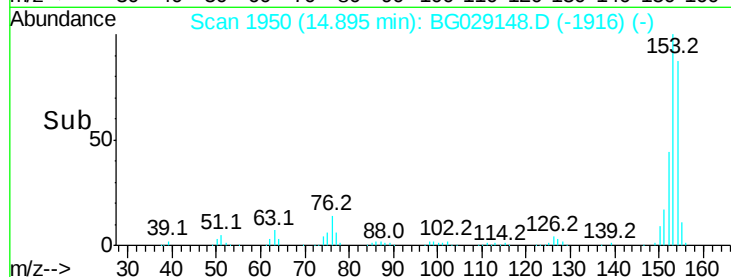
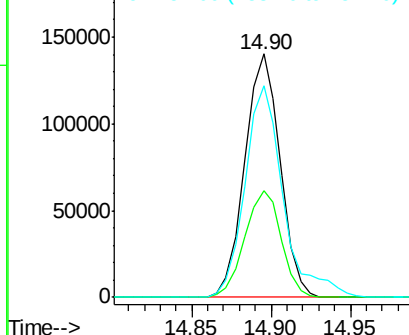
153 100

152 43.8 39.0 58.6

154 86.9 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: 19.736 ng/ul

RT: 15.88 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

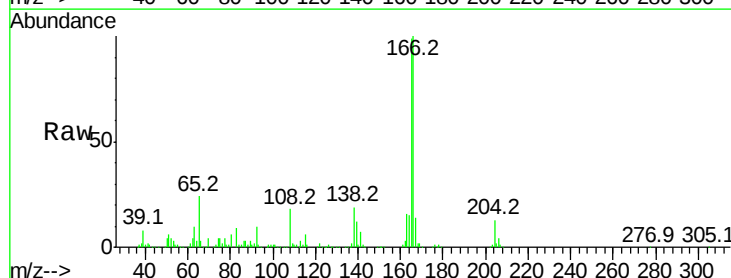
Tgt Ion:166 Resp: 248123

Ion Ratio Lower Upper

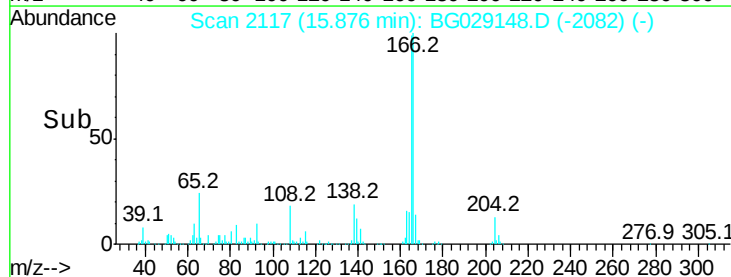
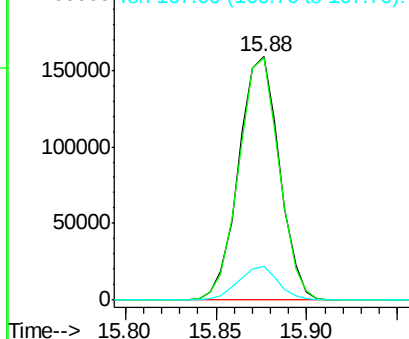
166 100

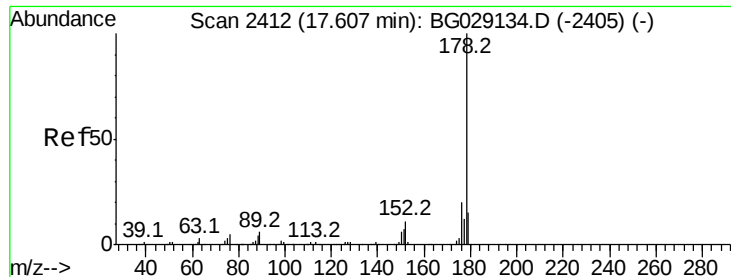
165 99.4 83.8 125.8

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

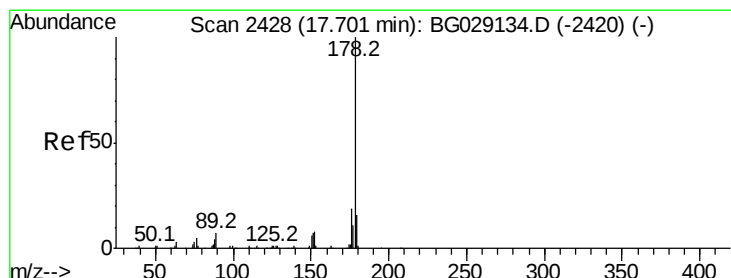
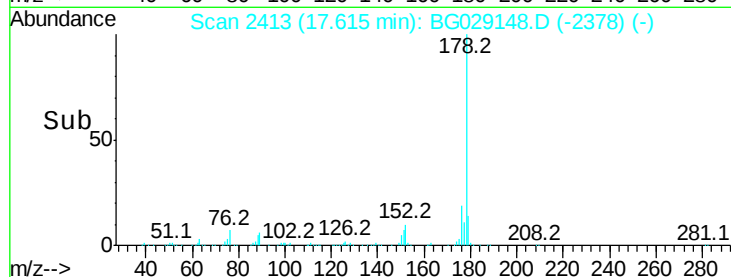
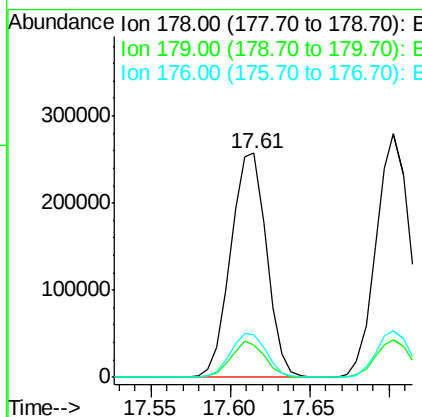
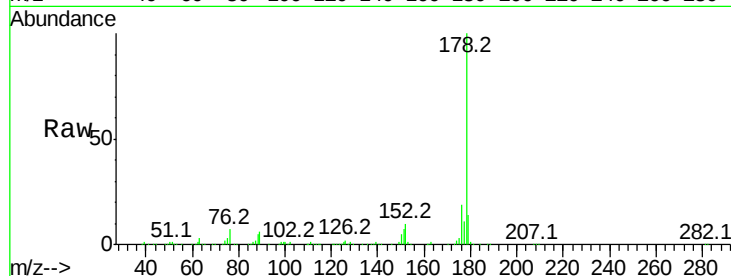




#13
Phenanthrene
Concen: 20.837 ng/ul
RT: 17.61 min Scan# 2413
Delta R.T. 0.01 min
Lab File: BG029148.D
Acq: 10 Oct 2017 20:31

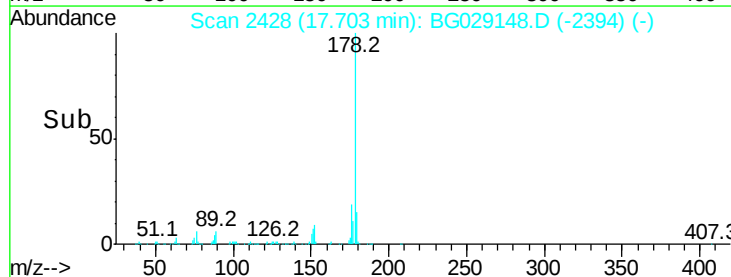
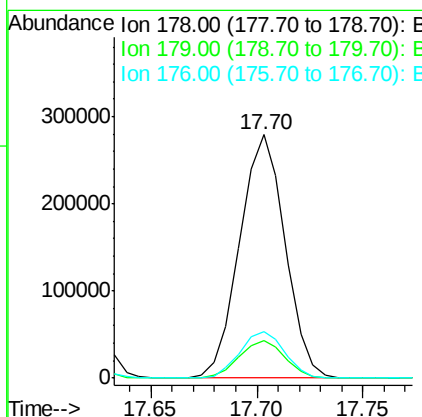
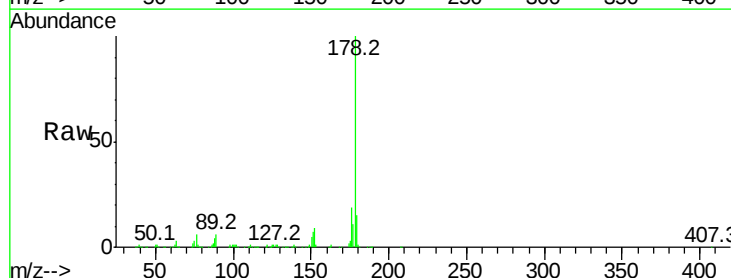
Instrument :
BNA_G
ClientSampleId :
SSTD02067

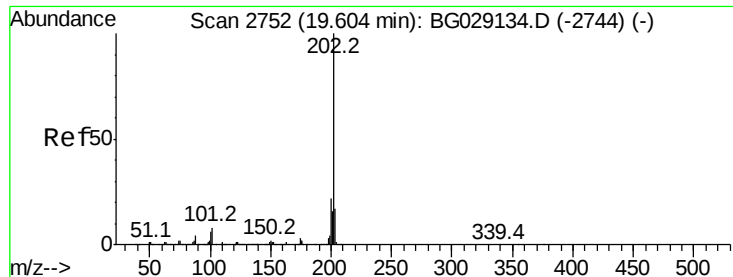
Tot Ion:178 Resp: 400106
Ion Ratio Lower Upper
178 100
179 14.4 12.3 18.5
176 19.2 15.1 22.7



#15
Anthracene
Concen: 21.037 ng/ul
RT: 17.70 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG029148.D
Acq: 10 Oct 2017 20:31

Tgt Ion:178 Resp: 413253
Ion Ratio Lower Upper
178 100
179 15.4 11.8 17.8
176 19.0 15.2 22.8

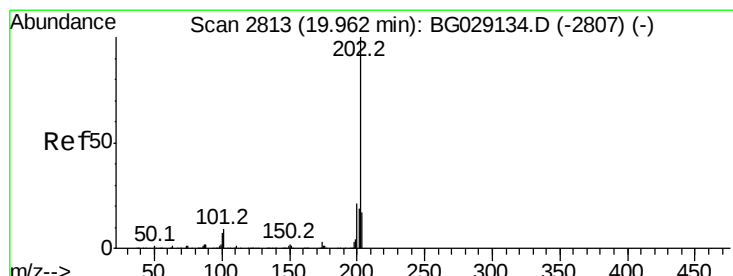
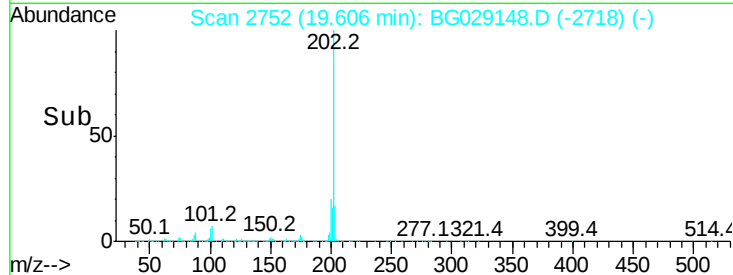
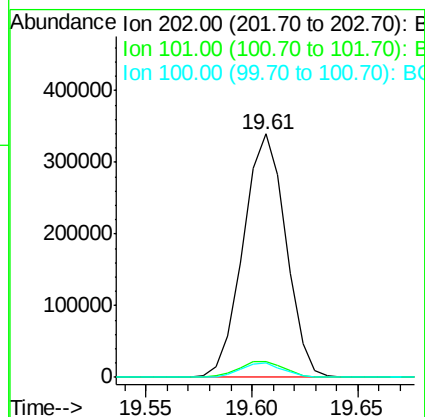
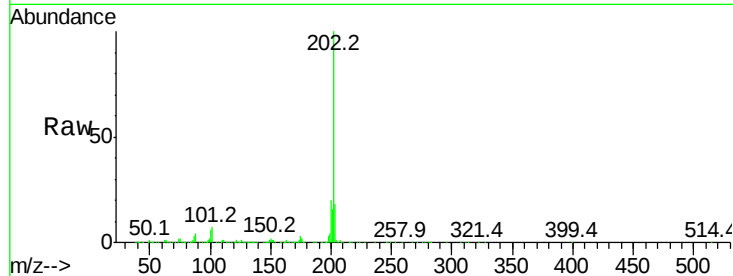




#16
 Fluoranthene
 Concen: 21.199 ng/ul
 RT: 19.61 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: BG029148.D
 Acq: 10 Oct 2017 20:31

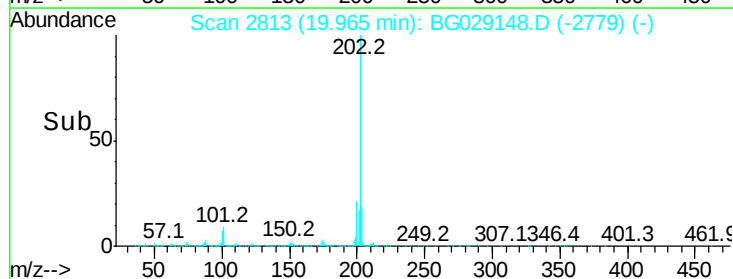
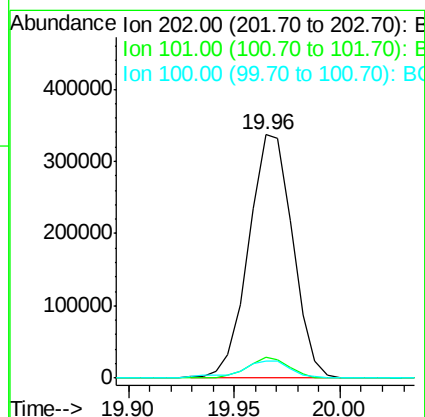
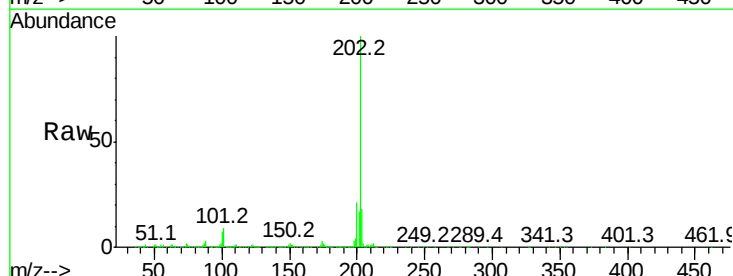
Instrument :
 BNA_G
 ClientSampleId :
 SSTD02067

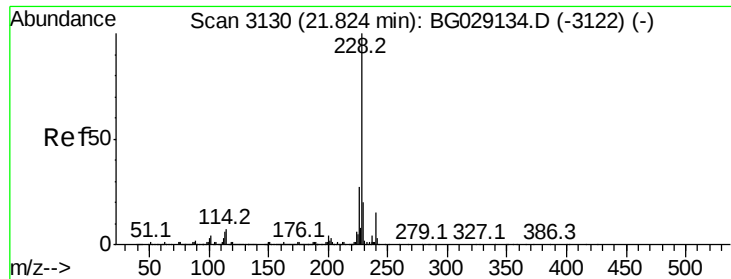
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.5	9.9	14.9#
100	5.9	7.4	11.0#



#19
 Pyrene
 Concen: 20.309 ng/ul
 RT: 19.96 min Scan# 2813
 Delta R.T. 0.00 min
 Lab File: BG029148.D
 Acq: 10 Oct 2017 20:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	11.0	16.4#
100	7.2	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 21.725 ng/ul

RT: 21.83 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

BNA_G

ClientSampleId :

SSTD02067

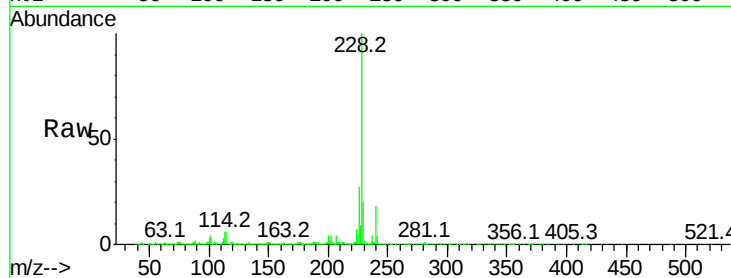
Tot Ion:228 Resp: 488405

Ion Ratio Lower Upper

228 100

229 19.6 15.7 23.5

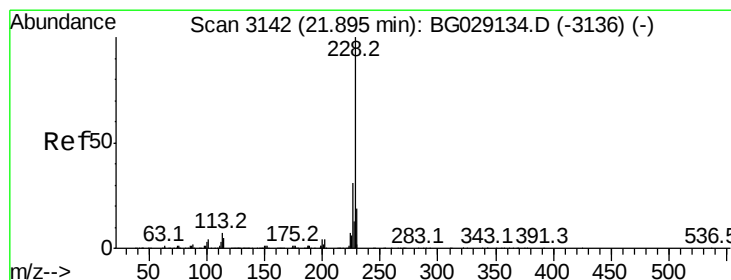
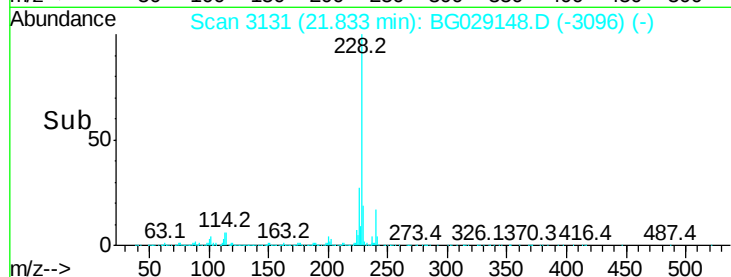
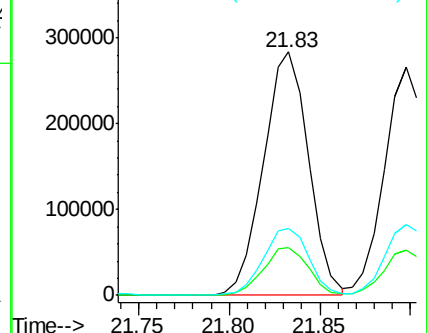
226 27.5 21.1 31.7



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: 21.262 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

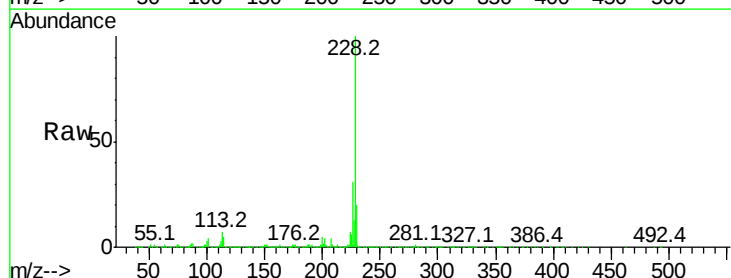
Tgt Ion:228 Resp: 437695

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

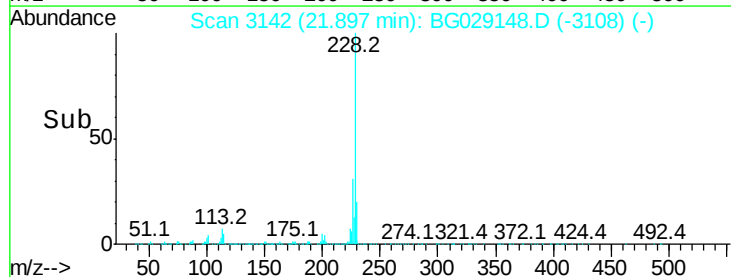
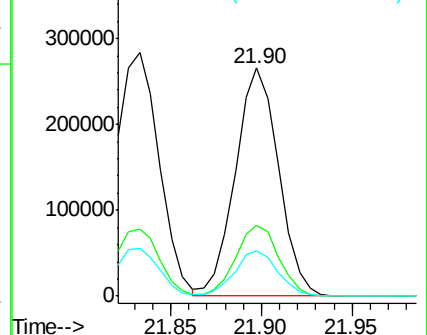
229 19.7 15.8 23.8

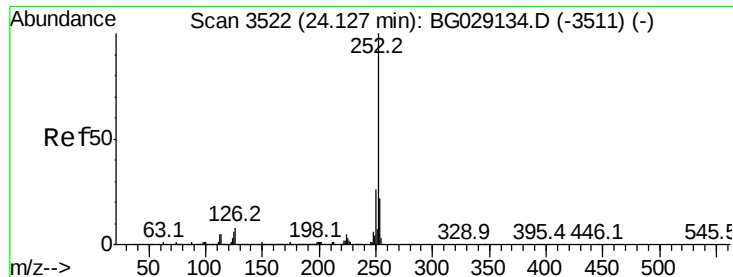


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.890 ng/ul

RT: 24.14 min Scan# 3523

Delta R.T. 0.01 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

BNA_G

ClientSampleId :

SSTD02067

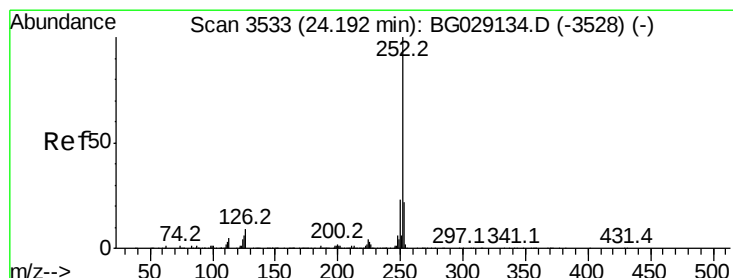
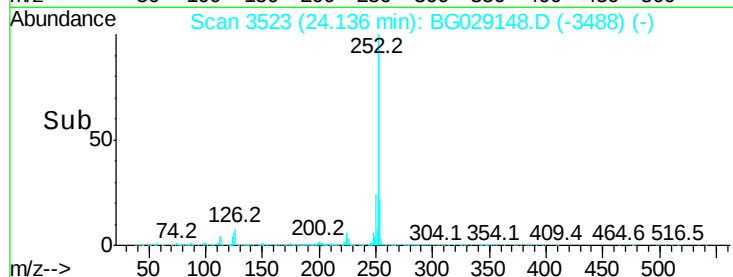
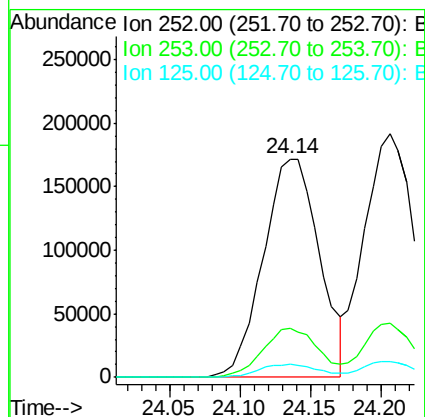
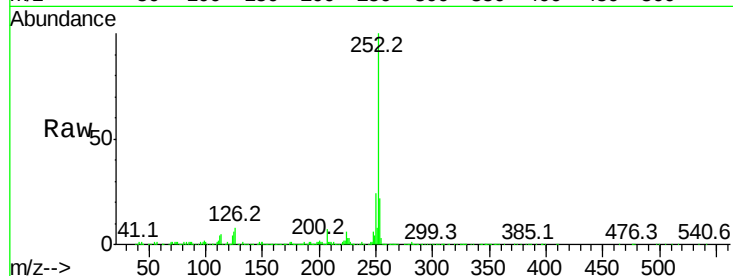
Tot Ion:252 Resp: 476293

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 6.2 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 20.799 ng/ul

RT: 24.21 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

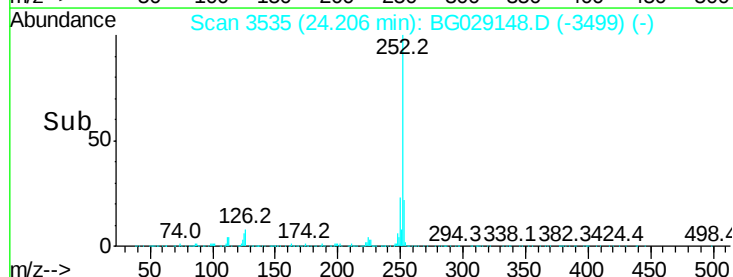
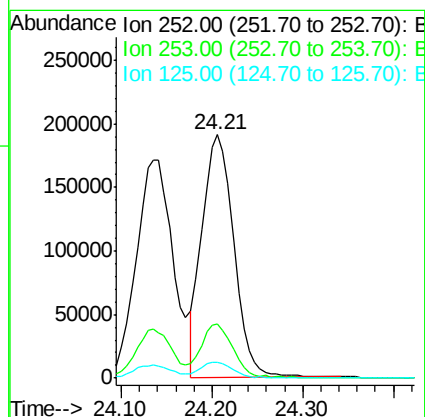
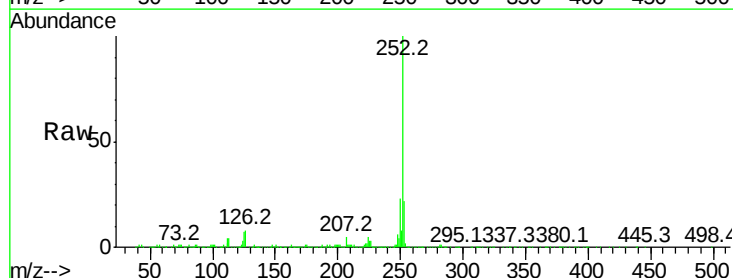
Tgt Ion:252 Resp: 462838

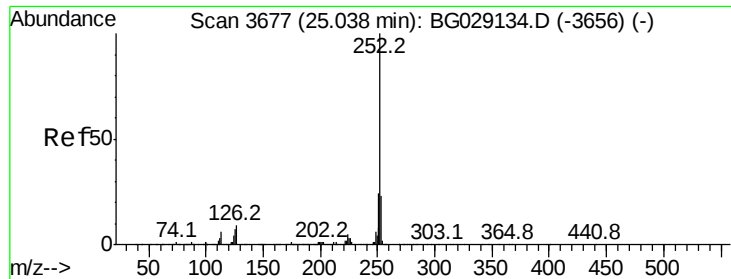
Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

125 6.5 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 20.894 ng/ul

RT: 25.05 min Scan# 3679

Delta R.T. 0.01 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

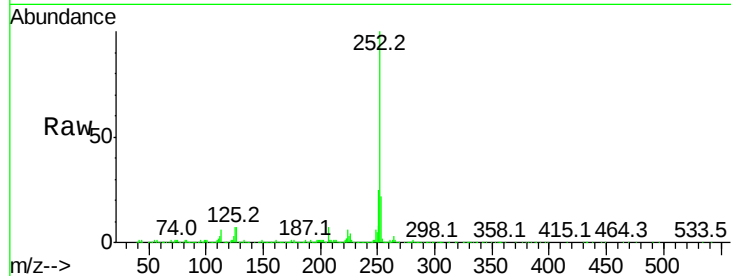
BNA_G

ClientSampleId :

SSTD02067

Tot Ion:252 Resp: 462717

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	6.9	8.2	12.4

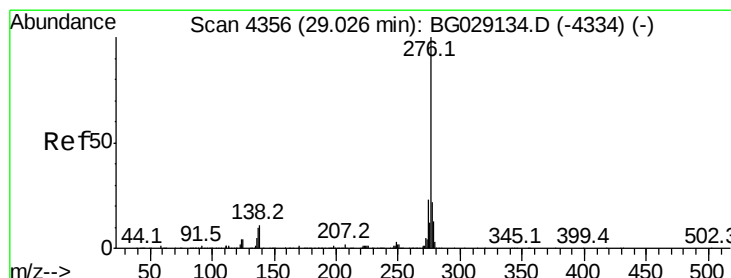
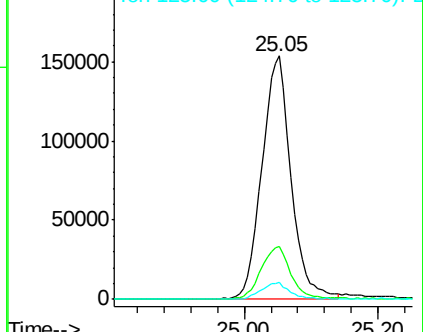
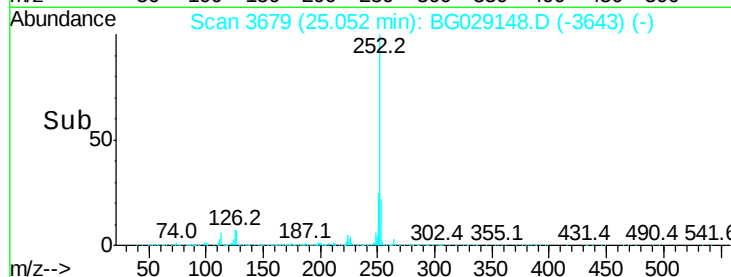


Abundance

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: 16.866 ng/ul

RT: 29.06 min Scan# 4361

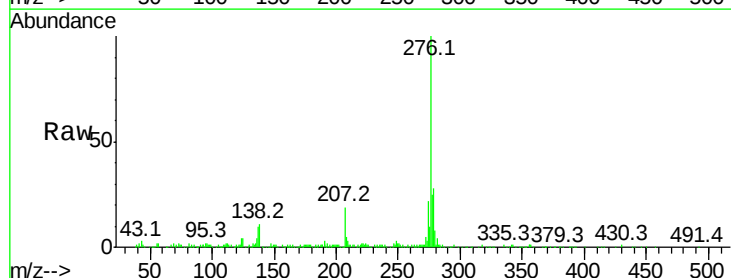
Delta R.T. 0.03 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Tgt Ion:276 Resp: 423914

Ion	Ratio	Lower	Upper
276	100		
138	11.0	14.4	21.6
277	25.2	18.0	27.0

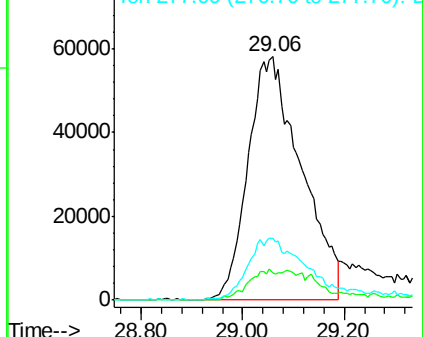
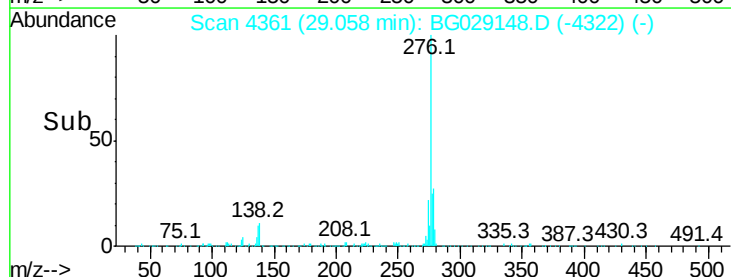


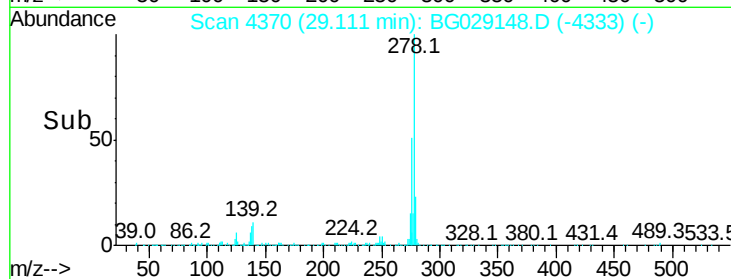
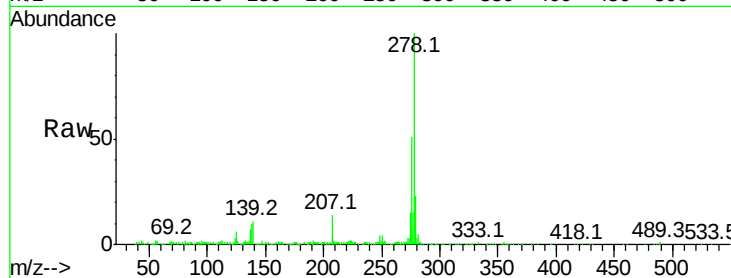
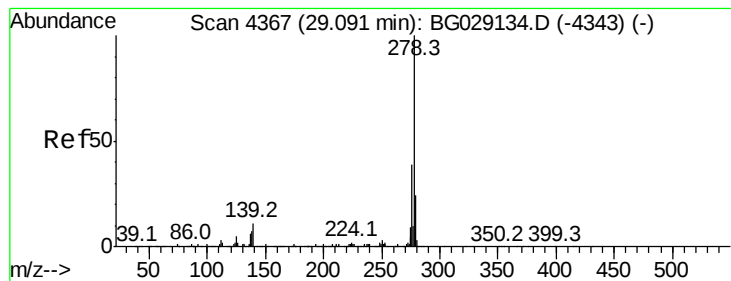
Abundance

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: 18.312 ng/ul

RT: 29.11 min Scan# 4370

Delta R.T. 0.02 min

Lab File: BG029148.D

Acq: 10 Oct 2017 20:31

Instrument :

BNA_G

ClientSampleId :

SSTD02067

Tot Ion:278 Resp: 381084

Ion Ratio Lower Upper

278 100

139 10.5 12.2 18.4#

279 23.4 19.2 28.8

