

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\
 Data File : BG031067.D
 Acq On : 17 Nov 2017 5:23
 Operator : SJ/JU
 Sample : I6350-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F91

Quant Time: Nov 17 06:48:34 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 17 04:52:45 2017
 Response via : Initial Calibration

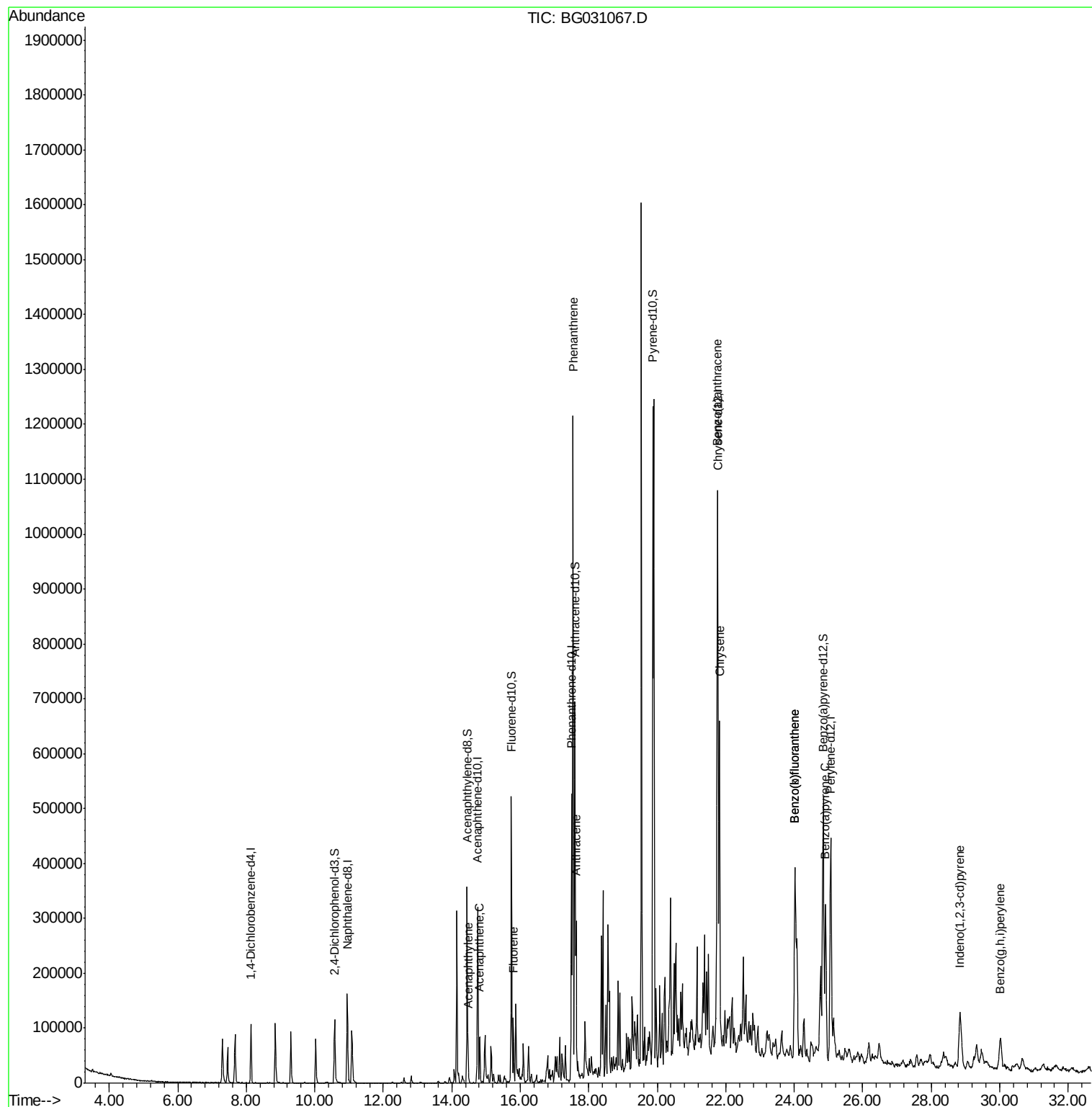
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	33450	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	150973	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	117392	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	351505	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	457626	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	469374	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	61168	21.47	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	279977	22.93	ng/ul	0.00
10) Fluorene-d10	15.74	176	238634	24.34	ng/ul	0.00
15) Anthracene-d10	17.59	188	415068	23.59	ng/ul	0.00
19) Pyrene-d10	19.87	212	553691	26.49	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	568013	24.46	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.48	152	18027	1.69	ng/ul	94
9) Acenaphthene	14.82	153	39555	5.13	ng/ul	93
11) Fluorene	15.80	166	54159	5.54	ng/ul#	94
14) Phenanthrene	17.54	178	832470	44.13	ng/ul	98
16) Anthracene	17.63	178	205659	10.74	ng/ul	98
21) Benzo(a)anthracene	21.75	228	574307	20.60	ng/ul	99
22) Chrysene	21.81	228	476185	17.96	ng/ul	97
24) Benzo(b)fluoranthene	24.02	252	495896	17.49	ng/ul#	92
25) Benzo(k)fluoranthene	24.02	252	495896	17.75	ng/ul#	92
27) Benzo(a)pyrene	24.91	252	348546	12.82	ng/ul#	90
28) Indeno(1,2,3-cd)pyrene	28.83	276	179914	5.81	ng/ul#	87
30) Benzo(a,h,i)perylene	30.02	276	125128	4.85	ng/ul#	85

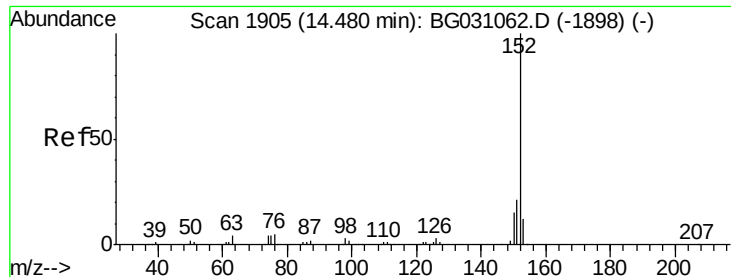
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.69 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BG031067.D

Acq: 17 Nov 2017 5:23

Instrument :

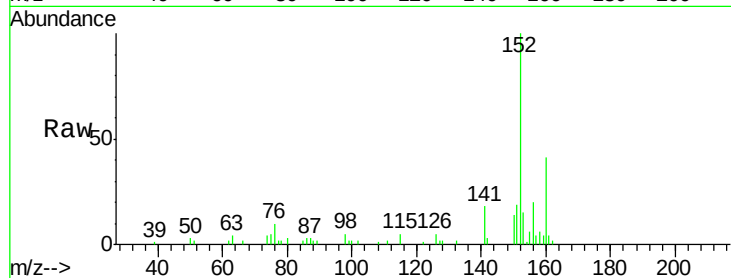
BNA_G

ClientSampled :

B0F91

Tot Ion:152 Resp: 18027

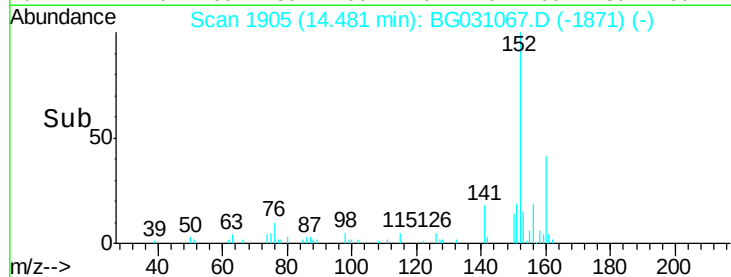
Ion	Ratio	Lower	Upper
152	100		
151	18.9	17.5	26.3
153	15.1	10.6	16.0



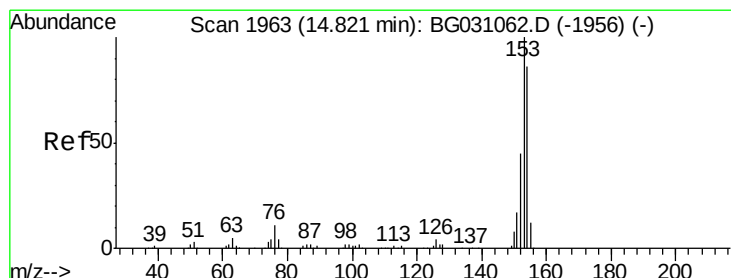
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#9

Acenaphthene

Concen: 5.13 ng/ul

RT: 14.82 min Scan# 1962

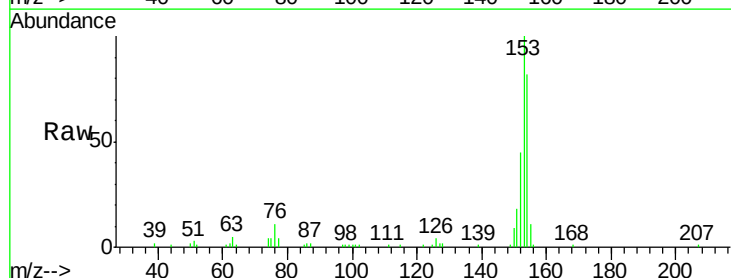
Delta R.T. -0.01 min

Lab File: BG031067.D

Acq: 17 Nov 2017 5:23

Tgt Ion:153 Resp: 39555

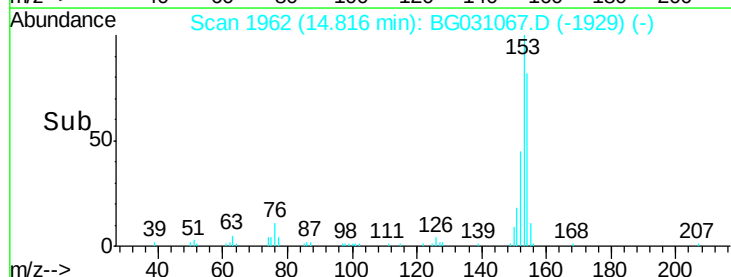
Ion	Ratio	Lower	Upper
153	100		
152	44.6	37.9	56.9
154	82.2	71.6	107.4



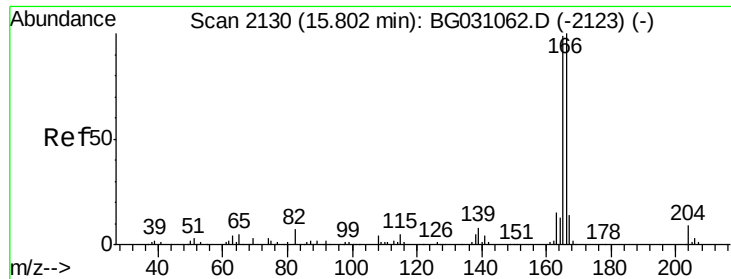
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



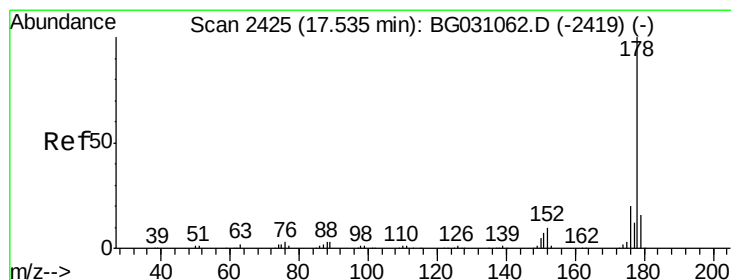
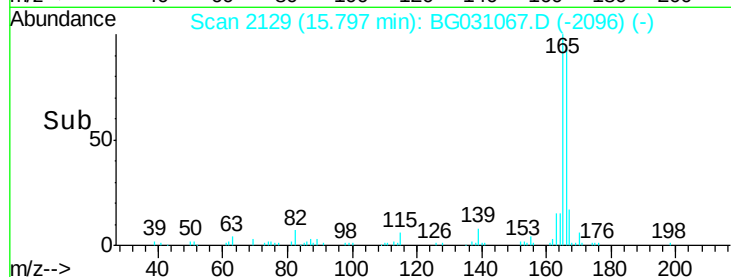
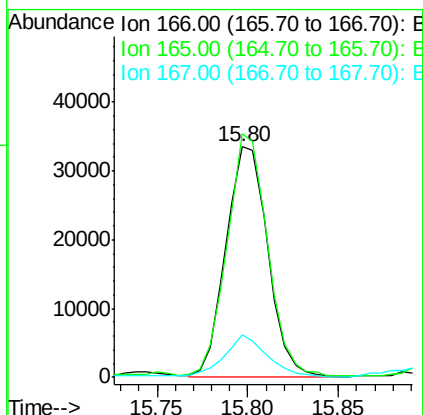
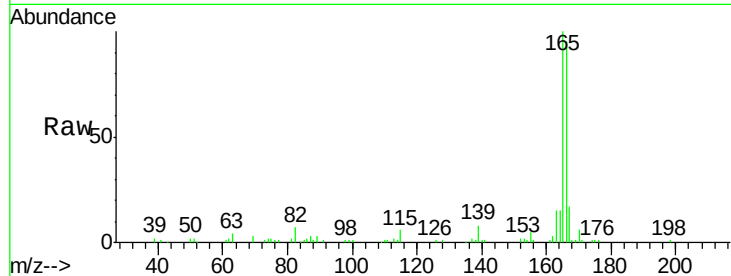
Time-->



#11
 Fluorene
 Concen: 5.54 ng/ul
 RT: 15.80 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BG031067.D
 Acq: 17 Nov 2017 5:23

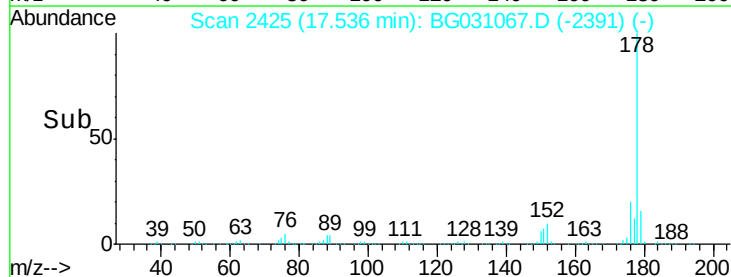
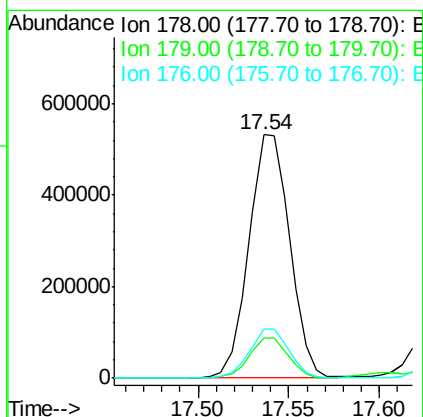
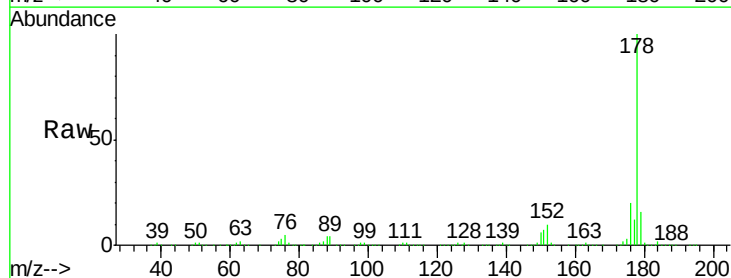
Instrument :
 BNA_G
 ClientSampleId :
 B0F91

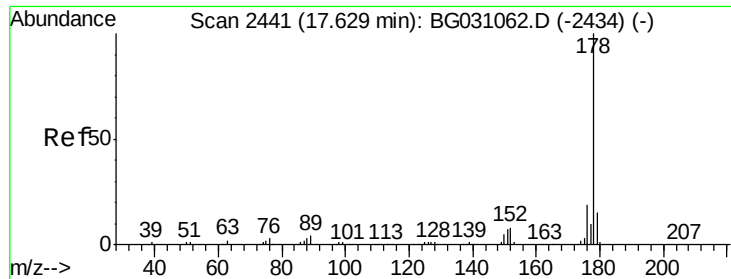
Tot Ion:166 Resp: 54159
 Ion Ratio Lower Upper
 166 100
 165 105.6 80.0 120.0
 167 18.3 11.6 17.4#



#14
 Phenanthrene
 Concen: 44.13 ng/ul
 RT: 17.54 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG031067.D
 Acq: 17 Nov 2017 5:23

Tgt Ion:178 Resp: 832470
 Ion Ratio Lower Upper
 178 100
 179 16.5 12.2 18.4
 176 20.1 16.4 24.6

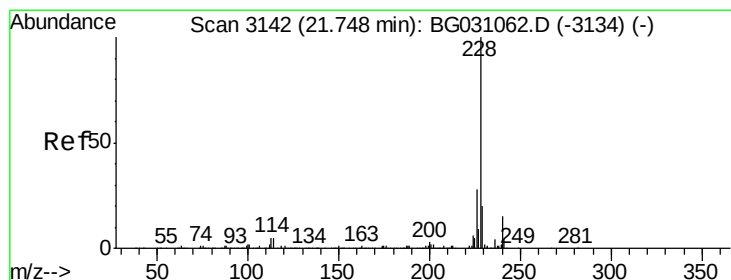
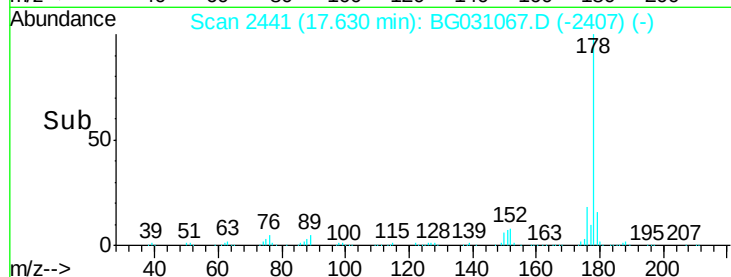
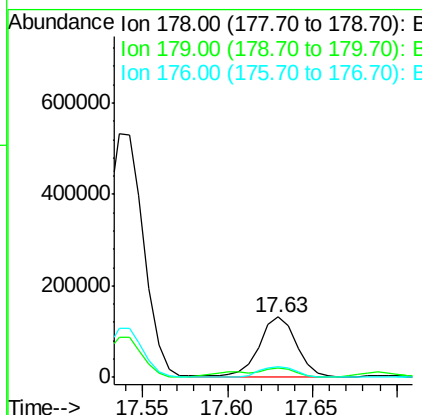
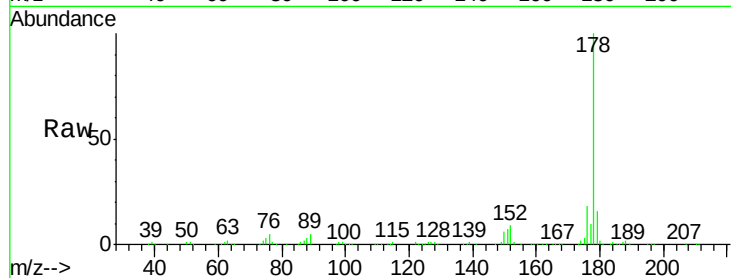




#16
 Anthracene
 Concen: 10.74 ng/ul
 RT: 17.63 min Scan# 2441
 Delta R.T. 0.00 min
 Lab File: BG031067.D
 Acq: 17 Nov 2017 5:23

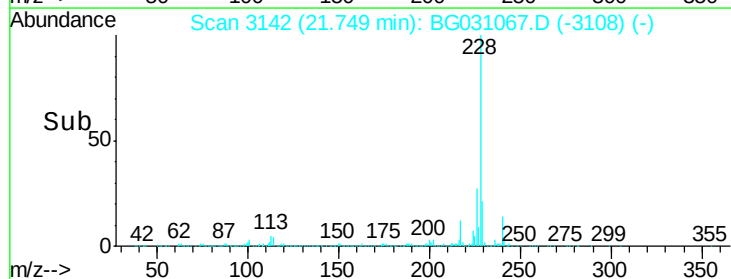
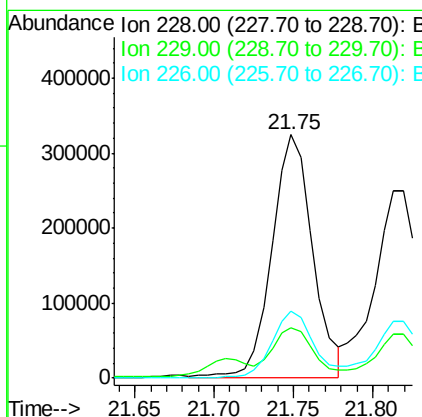
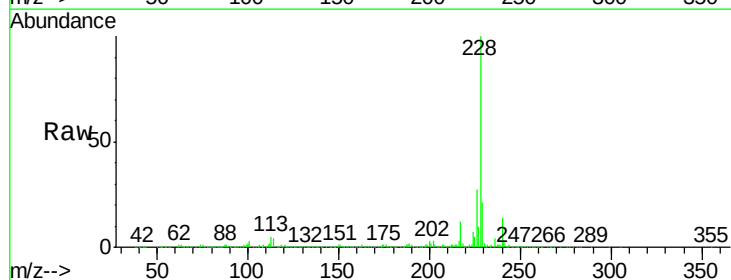
Instrument :
 BNA_G
 ClientSampleId :
 B0F91

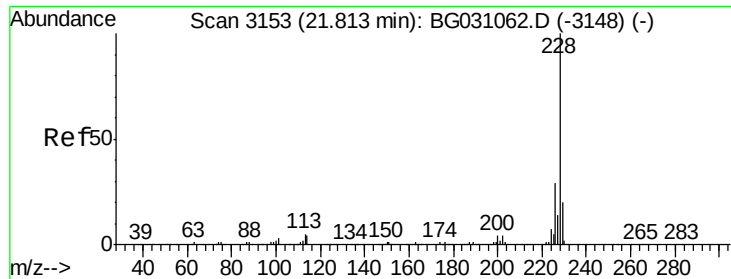
Tot Ion:178 Resp: 205659
 Ion Ratio Lower Upper
 178 100
 179 16.4 12.7 19.1
 176 18.3 15.8 23.8



#21
 Benzo(a)anthracene
 Concen: 20.60 ng/ul
 RT: 21.75 min Scan# 3142
 Delta R.T. 0.00 min
 Lab File: BG031067.D
 Acq: 17 Nov 2017 5:23

Tgt Ion:228 Resp: 574307
 Ion Ratio Lower Upper
 228 100
 229 20.9 15.9 23.9
 226 27.4 22.1 33.1





#22

Chrysene

Concen: 17.96 ng/ul

RT: 21.81 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG031067.D

Acq: 17 Nov 2017 5:23

Instrument :

BNA_G

ClientSampleId :

B0F91

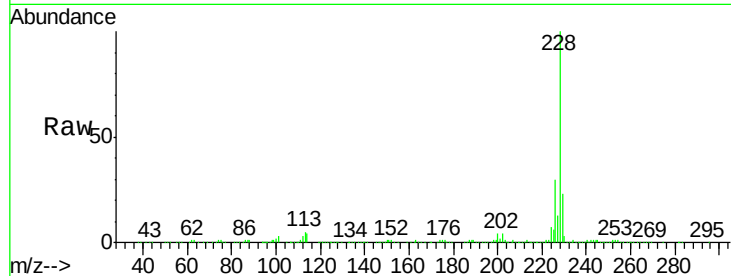
Tot Ion:228 Resp: 476185

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

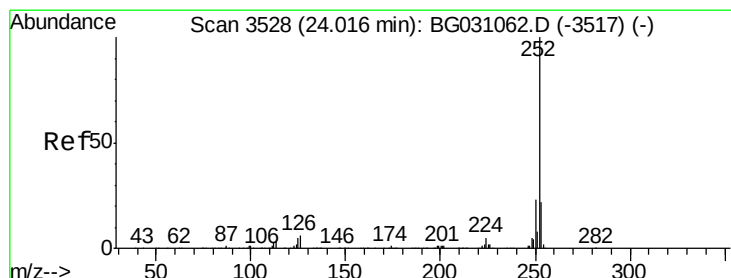
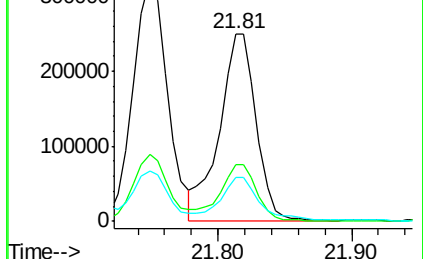
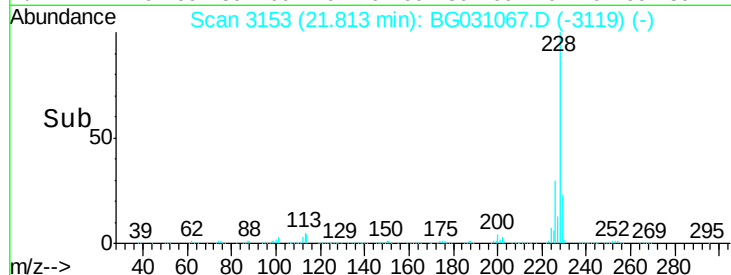
229 23.1 16.6 25.0



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



#24

Benzo(b)fluoranthene

Concen: 17.49 ng/ul

RT: 24.02 min Scan# 3528

Delta R.T. 0.00 min

Lab File: BG031067.D

Acq: 17 Nov 2017 5:23

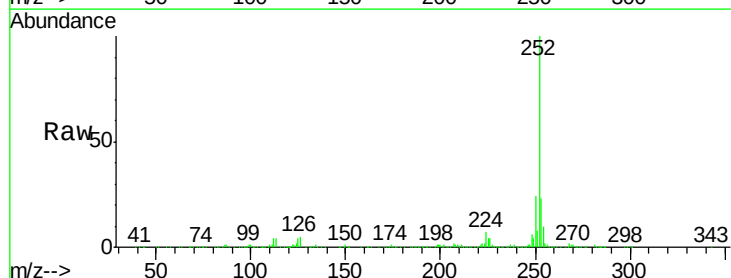
Tgt Ion:252 Resp: 495896

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

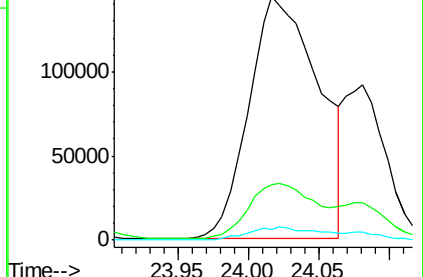
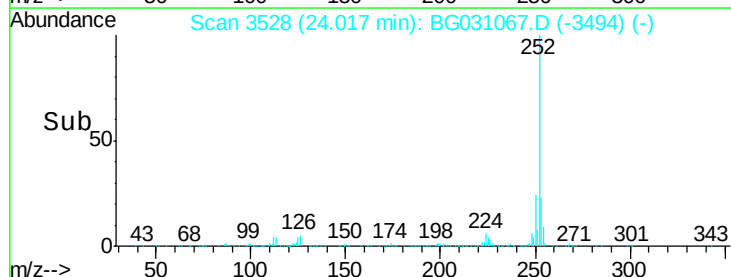
125 4.3 9.4 14.0#

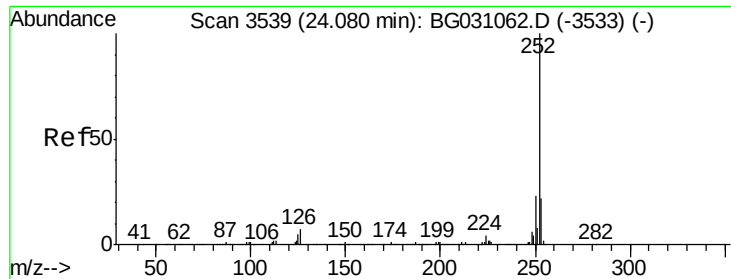


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

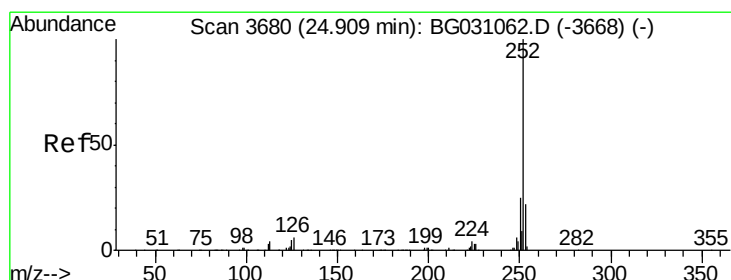
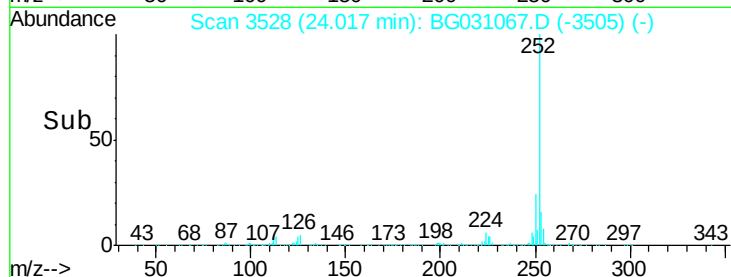
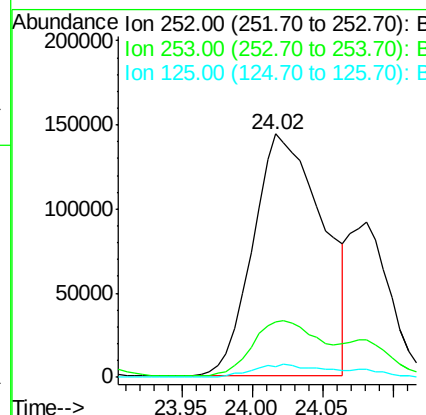
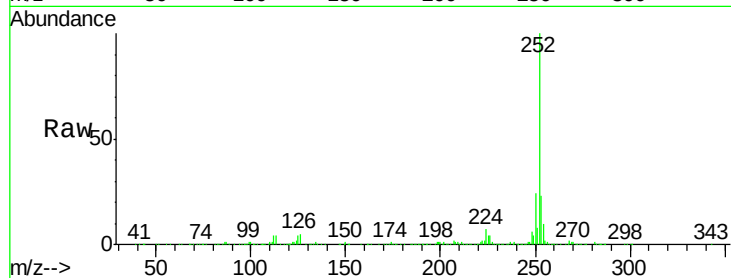




#25
Benzo(k)fluoranthene
Concen: 17.75 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. -0.06 min
Lab File: BG031067.D
Acq: 17 Nov 2017 5:23

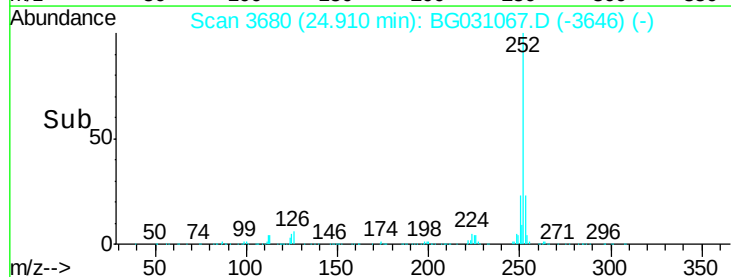
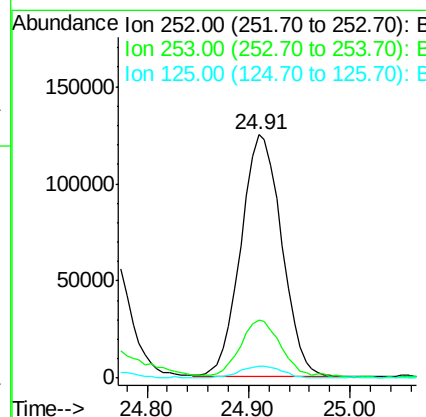
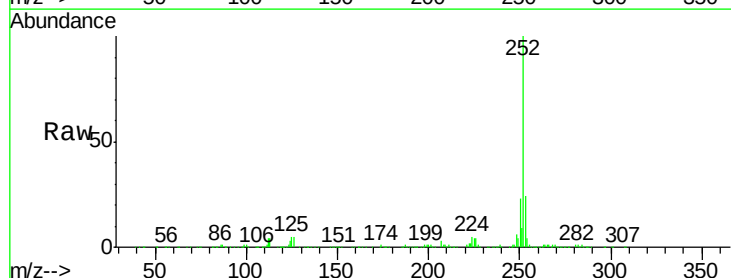
Instrument :
BNA_G
ClientSampleId :
B0F91

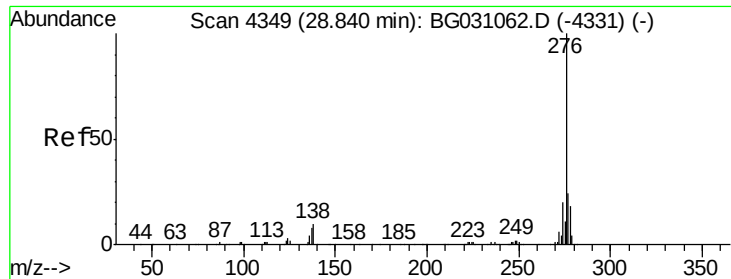
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	4.3	8.8	13.2#



#27
Benzo(a)pyrene
Concen: 12.82 ng/ul
RT: 24.91 min Scan# 3680
Delta R.T. 0.00 min
Lab File: BG031067.D
Acq: 17 Nov 2017 5:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	4.7	9.4	14.2#





#28

Indeno(1,2,3-cd)pyrene

Concen: 5.81 ng/ul

RT: 28.83 min Scan# 4348

Delta R.T. -0.01 min

Lab File: BG031067.D

Acq: 17 Nov 2017 5:23

Instrument :

BNA_G

ClientSampled :

B0F91

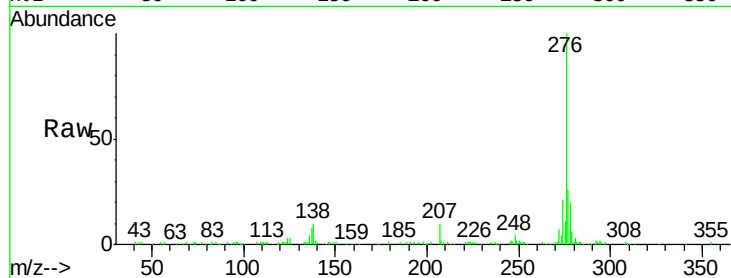
Tot Ion:276 Resp: 179914

Ion Ratio Lower Upper

276 100

138 10.5 17.8 26.6#

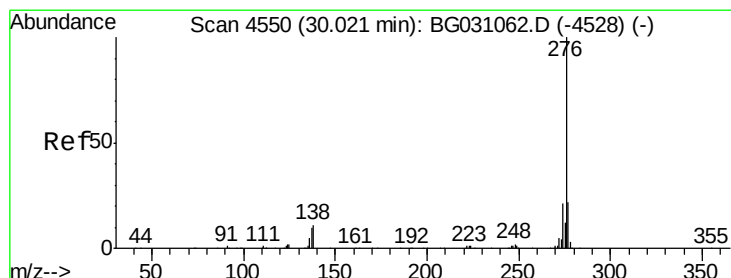
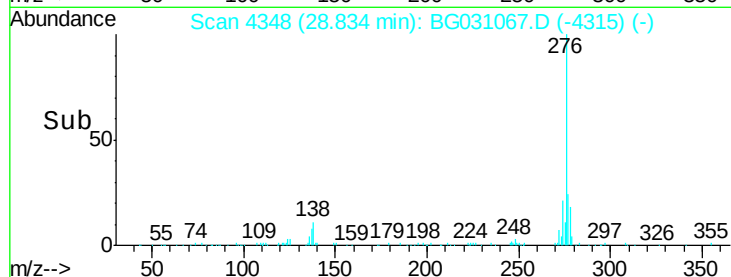
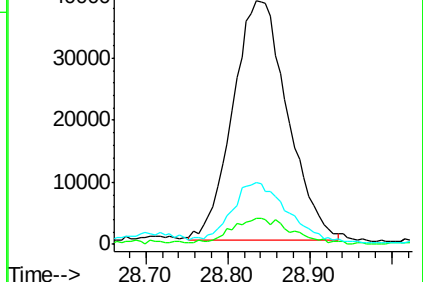
277 25.5 19.4 29.0



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



#30

Benzo(g,h,i)perylene

Concen: 4.85 ng/ul

RT: 30.02 min Scan# 4550

Delta R.T. 0.00 min

Lab File: BG031067.D

Acq: 17 Nov 2017 5:23

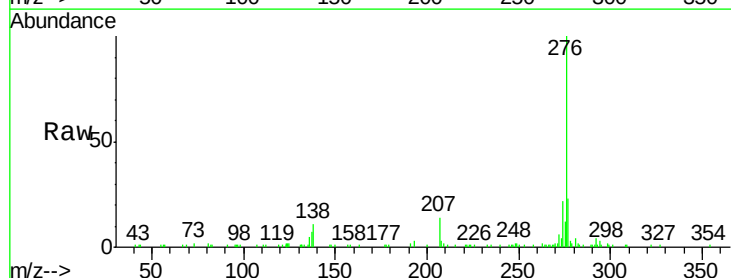
Tgt Ion:276 Resp: 125128

Ion Ratio Lower Upper

276 100

138 10.6 19.0 28.4#

277 22.7 19.7 29.5



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

