

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
 Data File : BG031222.D
 Acq On : 27 Nov 2017 10:52
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 04:41:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 21 07:04:01 2017
 Response via : Initial Calibration

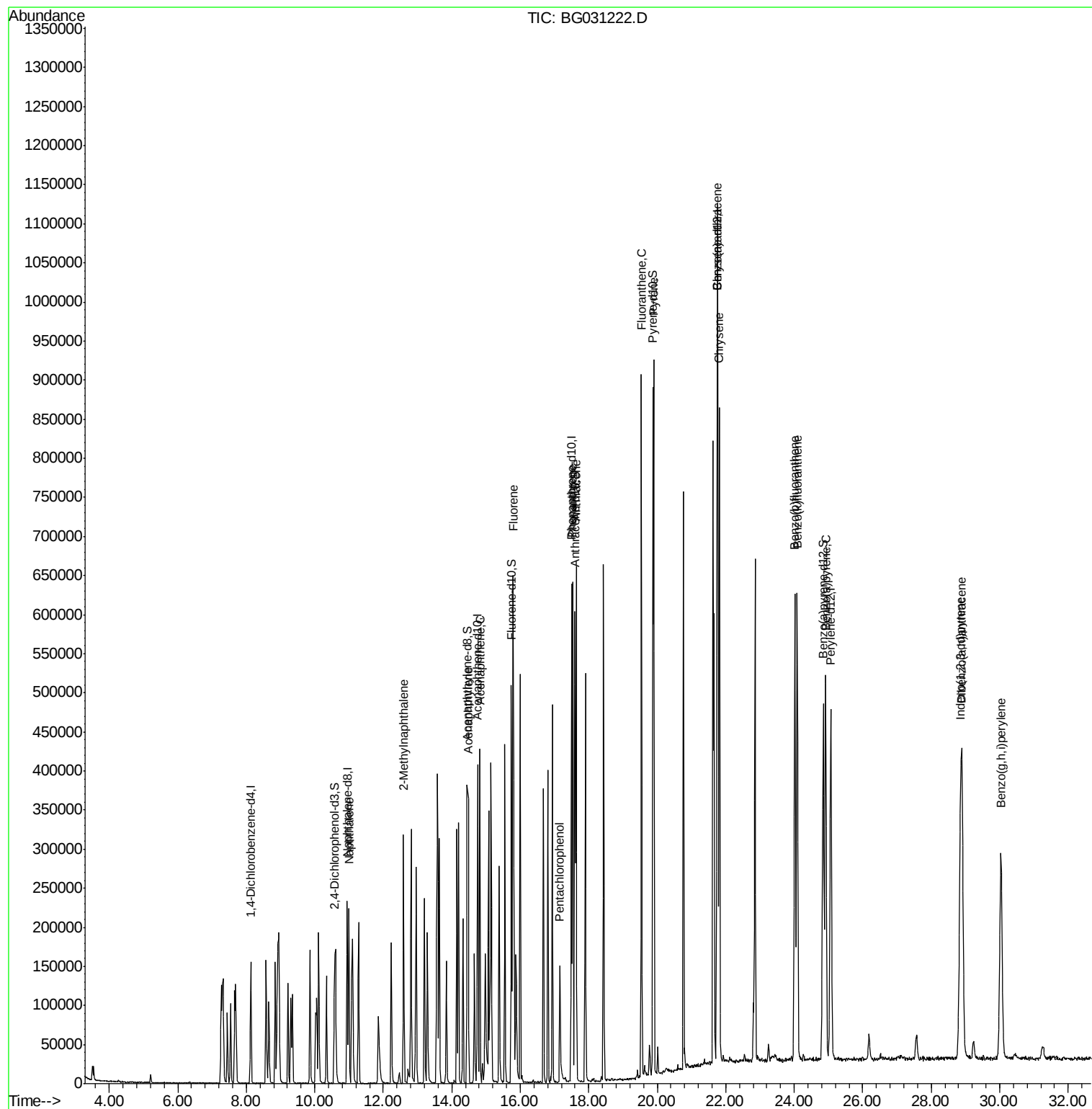
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	49157	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	211496	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	144139	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	404058	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	519598	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	509701	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	71252	17.85	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	293701	19.59	ng/ul	0.00
10) Fluorene-d10	15.74	176	221218	18.37	ng/ul	0.00
15) Anthracene-d10	17.59	188	371042	18.35	ng/ul	0.00
19) Pyrene-d10	19.87	212	491213	20.70	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	476059	18.88	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	201878	19.94	ng/ul	99
5) 2-Methylnaphthalene	12.59	142	160233	19.18	ng/ul	92
8) Acenaphthylene	14.48	152	272381	20.75	ng/ul	97
9) Acenaphthene	14.82	153	190632	20.12	ng/ul	98
11) Fluorene	15.80	166	237945	19.83	ng/ul	97
13) Pentachlorophenol	17.16	266	41517	17.61	ng/uL	98
14) Phenanthrene	17.54	178	423249	19.52	ng/ul	98
16) Anthracene	17.63	178	433764	19.70	ng/ul	99
17) Fluoranthene	19.54	202	592272	19.63	ng/ul#	90
20) Pyrene	19.90	202	603815	21.90	ng/ul#	91
21) Benzo(a)anthracene	21.75	228	640713	20.24	ng/ul	99
22) Chrysene	21.82	228	585134	19.43	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	618874	20.10	ng/ul#	96
25) Benzo(k)fluoranthene	24.09	252	592285	19.52	ng/ul#	96
27) Benzo(a)pyrene	24.92	252	594989	20.16	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	28.86	276	661968	19.68	ng/ul#	95
29) Dibenzo(a,h)anthracene	28.90	278	303670	10.90	ng/ul#	93
30) Benzo(g,h,i)perylene	30.03	276	268623	9.59	ng/ul#	94

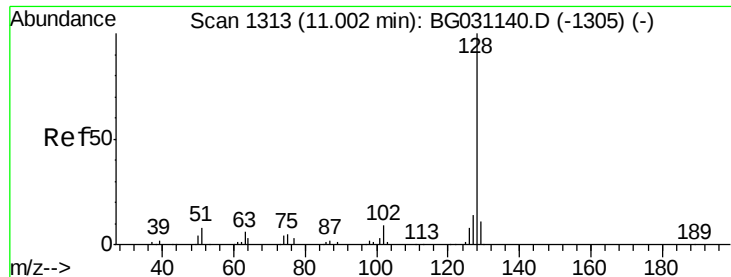
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
Data File : BG031222.D
Acq On : 27 Nov 2017 10:52
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Nov 28 04:41:09 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 21 07:04:01 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.94 ng/ul

RT: 11.00 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Instrument :

BNA_G

ClientSampleId :

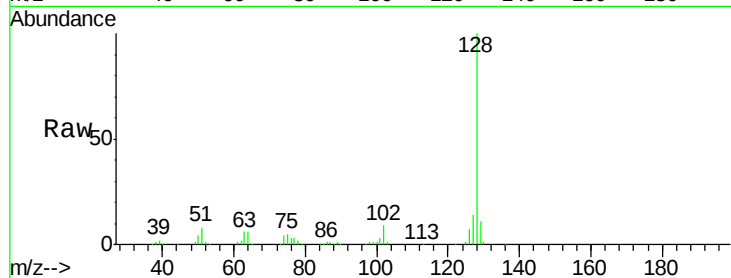
Tot Ion:128 Resp: 201878

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

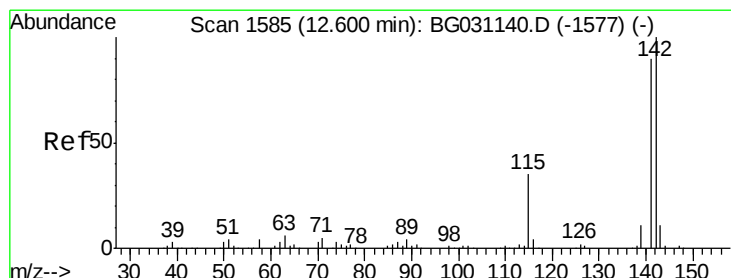
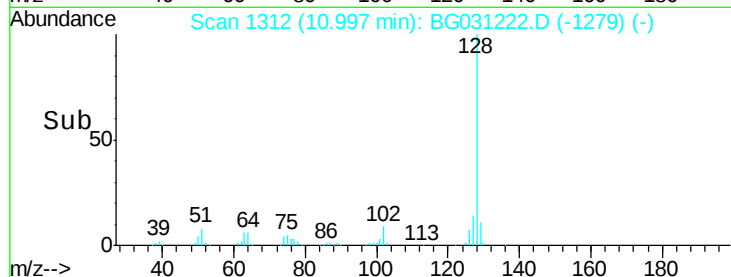
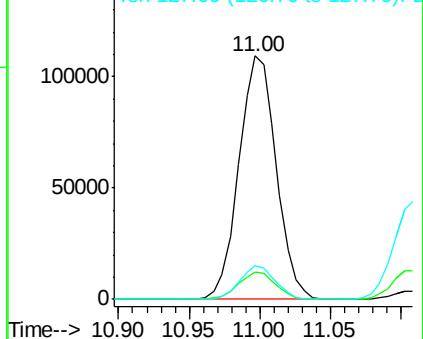
127 13.7 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 19.18 ng/ul

RT: 12.59 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BG031222.D

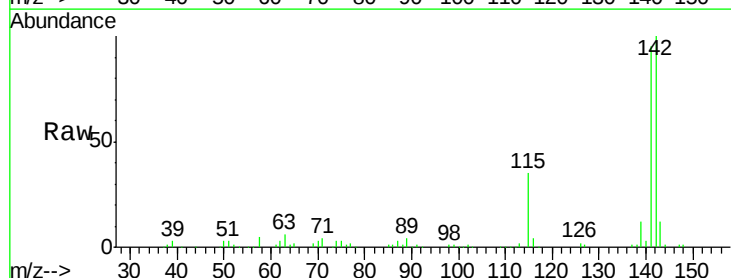
Acq: 27 Nov 2017 10:52

Tgt Ion:142 Resp: 160233

Ion Ratio Lower Upper

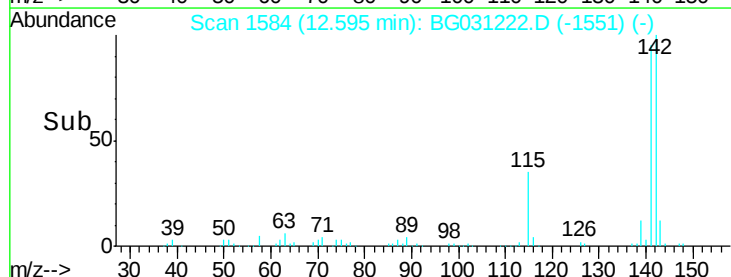
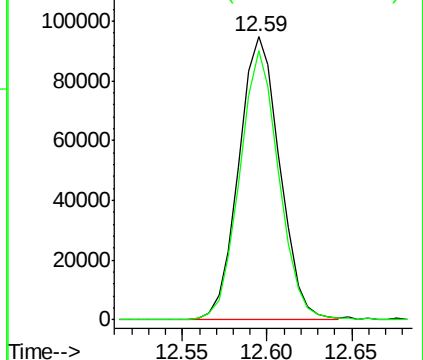
142 100

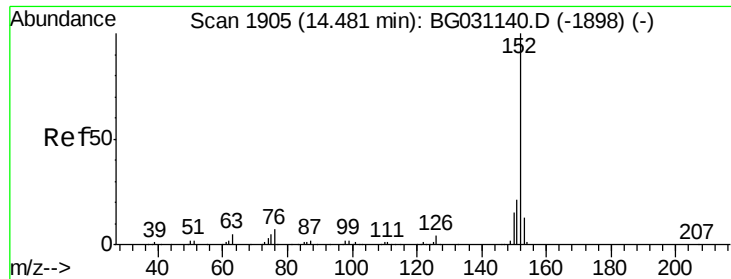
141 95.0 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.75 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. 0.00 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

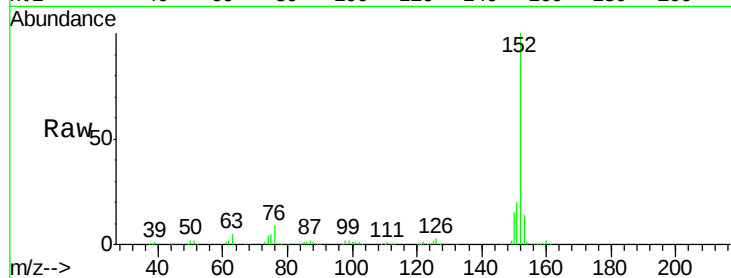
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 272381

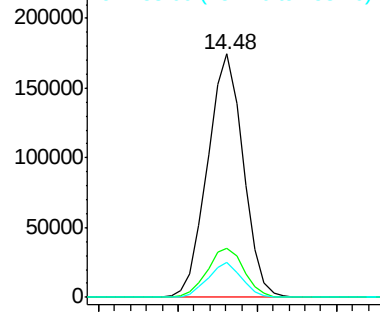
Ion	Ratio	Lower	Upper
152	100		
151	20.1	17.5	26.3
153	14.2	10.6	16.0



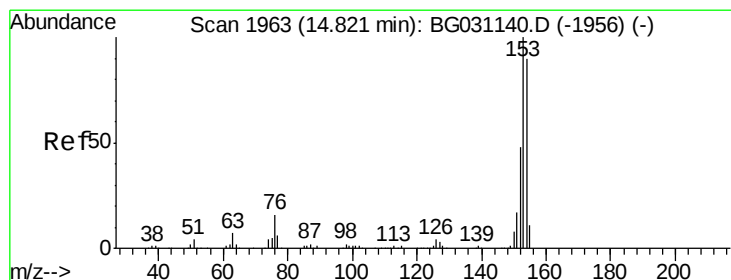
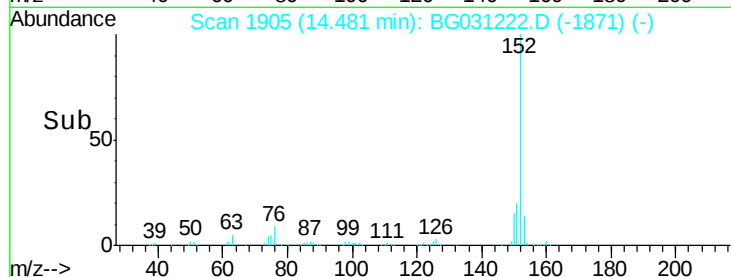
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time--> 14.40 14.45 14.50 14.55



#9

Acenaphthene

Concen: 20.12 ng/ul

RT: 14.82 min Scan# 1963

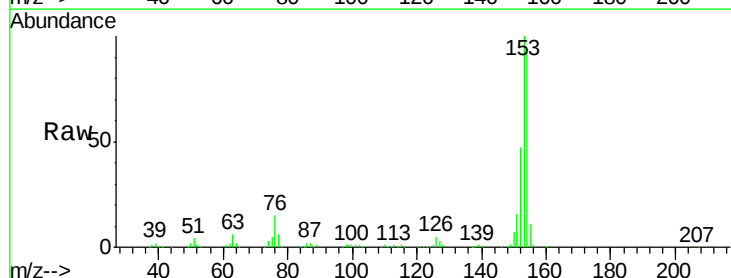
Delta R.T. 0.00 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Tgt Ion:153 Resp: 190632

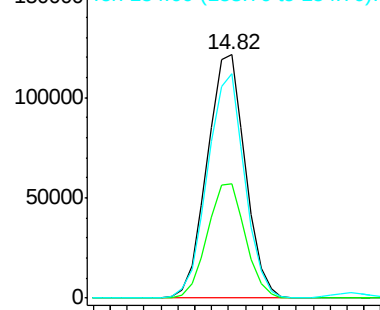
Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.9	56.9
154	92.3	71.6	107.4



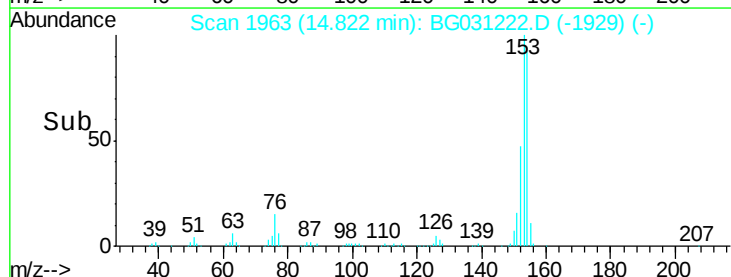
Abundance Ion 153.00 (152.70 to 153.70): E

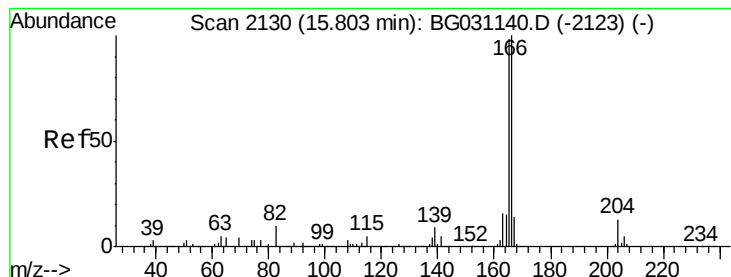
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.75 14.80 14.85





#11

Fluorene

Concen: 19.83 ng/ul

RT: 15.80 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Instrument :

BNA_G

ClientSampleId :

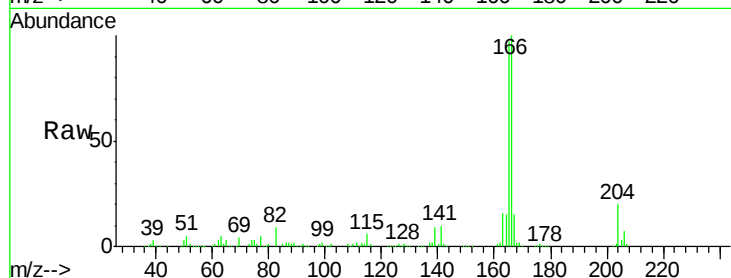
Tot Ion:166 Resp: 237945

Ion Ratio Lower Upper

166 100

165 96.7 80.0 120.0

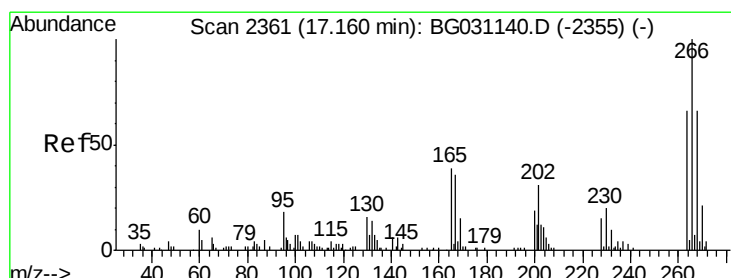
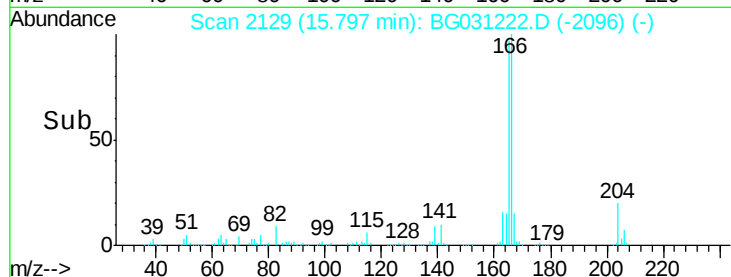
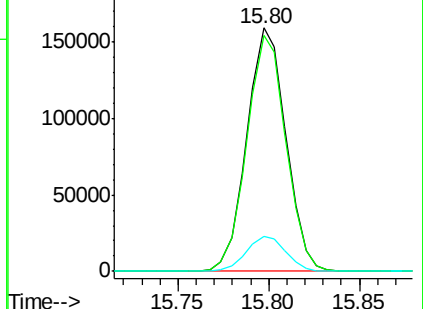
167 14.6 11.6 17.4



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

Pentachlorophenol

Concen: 17.61 ng/uL

RT: 17.16 min Scan# 2361

Delta R.T. 0.00 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

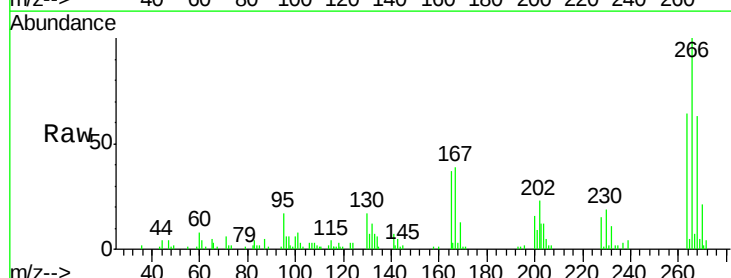
Tgt Ion:266 Resp: 41517

Ion Ratio Lower Upper

266 100

264 64.0 52.0 78.0

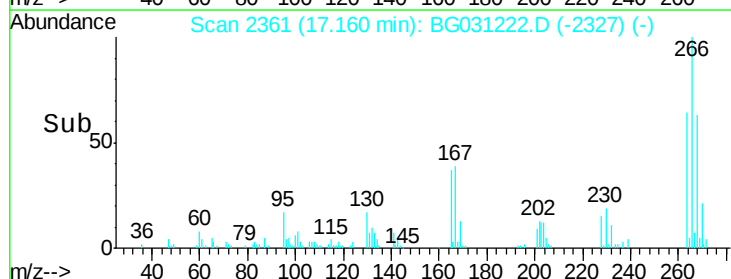
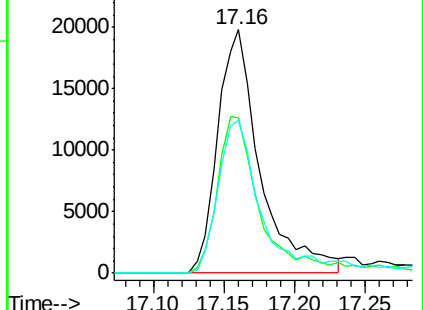
268 62.6 51.2 76.8

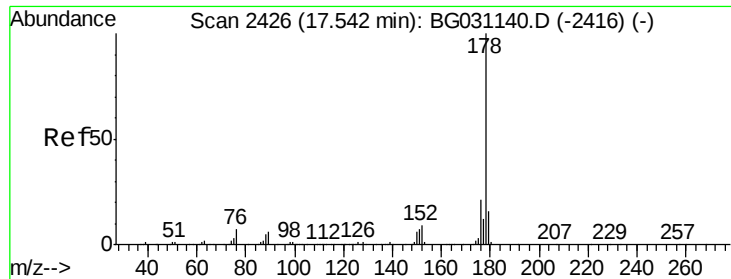


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

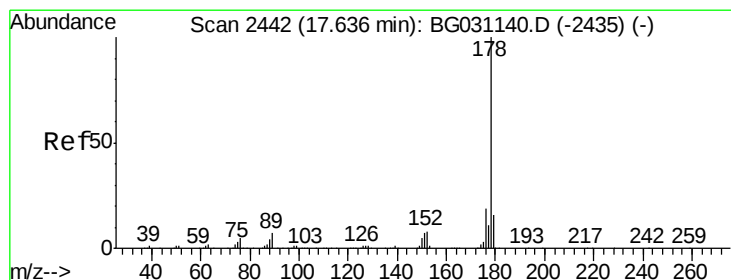
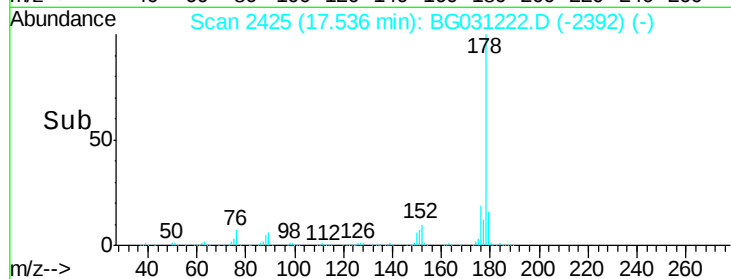
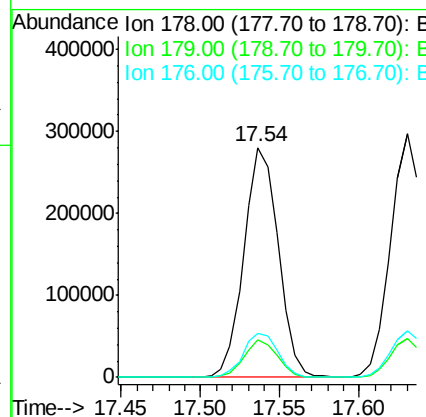
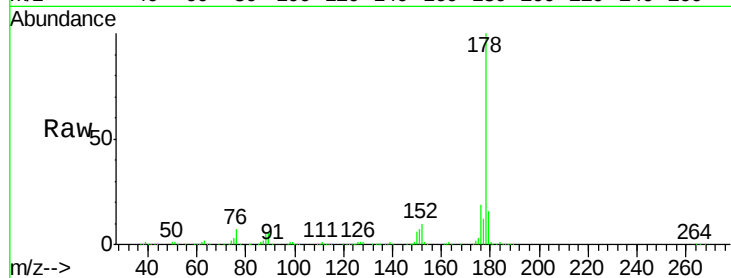




#14
Phenanthrene
Concen: 19.52 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BG031222.D
Acq: 27 Nov 2017 10:52

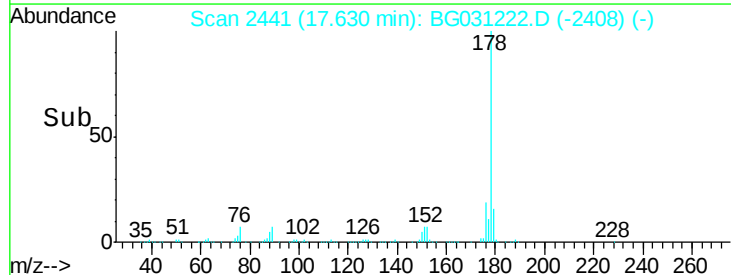
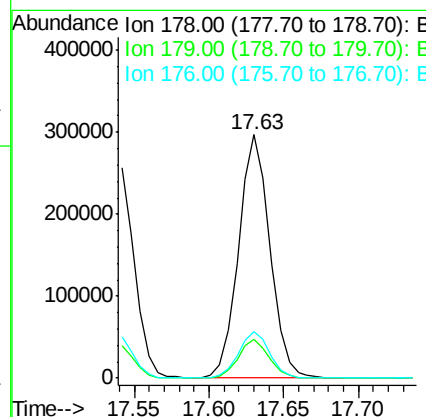
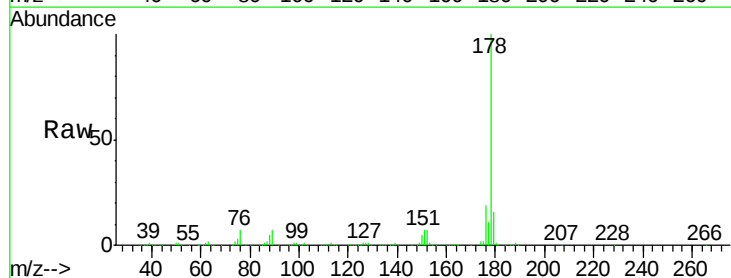
Instrument :
BNA_G
ClientSampleId :

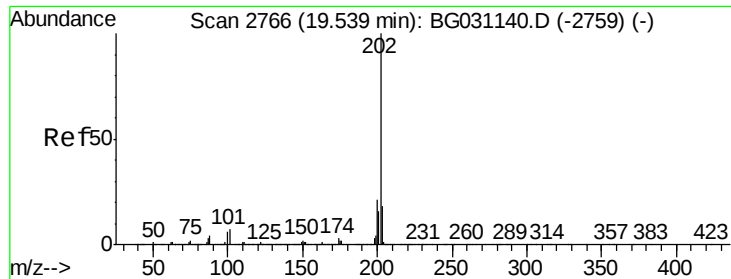
Tot Ion:178 Resp: 423249
Ion Ratio Lower Upper
178 100
179 16.1 12.2 18.4
176 19.4 16.4 24.6



#16
Anthracene
Concen: 19.70 ng/ul
RT: 17.63 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG031222.D
Acq: 27 Nov 2017 10:52

Tgt Ion:178 Resp: 433764
Ion Ratio Lower Upper
178 100
179 15.8 12.7 19.1
176 19.2 15.8 23.8

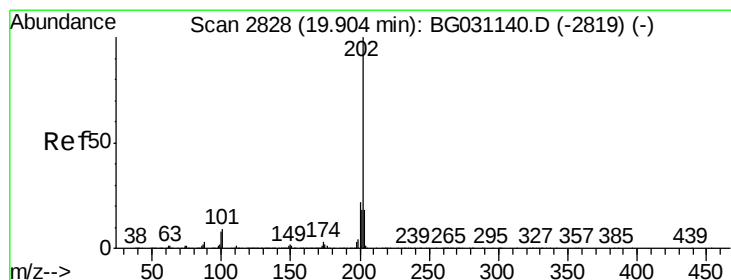
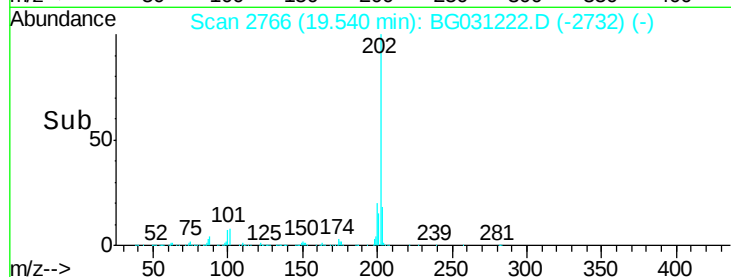
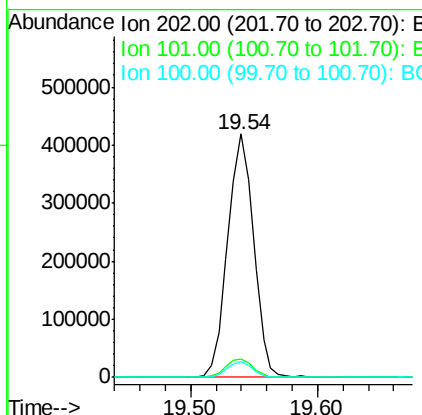
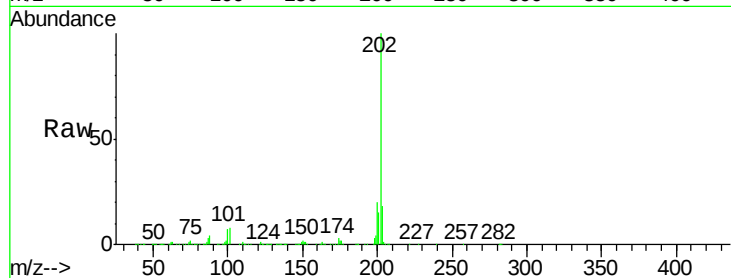




#17
 Fluoranthene
 Concen: 19.63 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: BG031222.D
 Acq: 27 Nov 2017 10:52

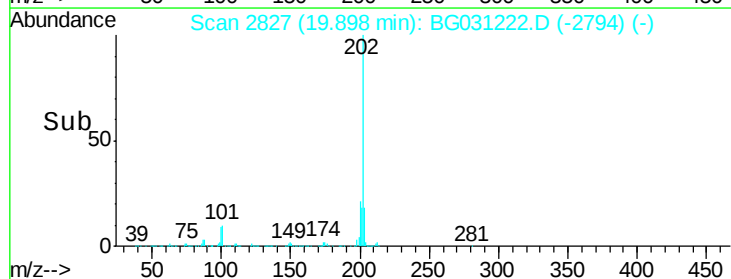
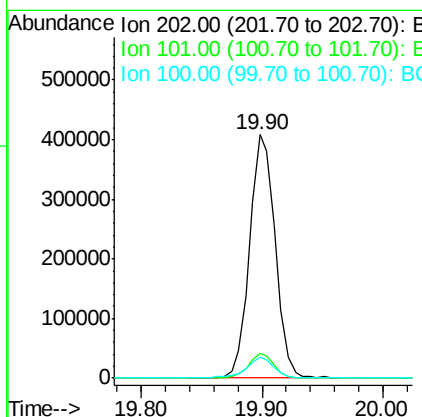
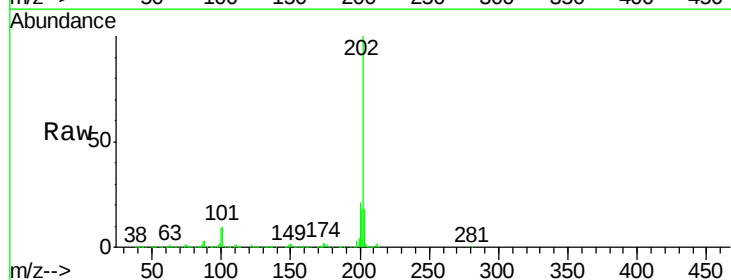
Instrument :
 BNA_G
 ClientSampleId :

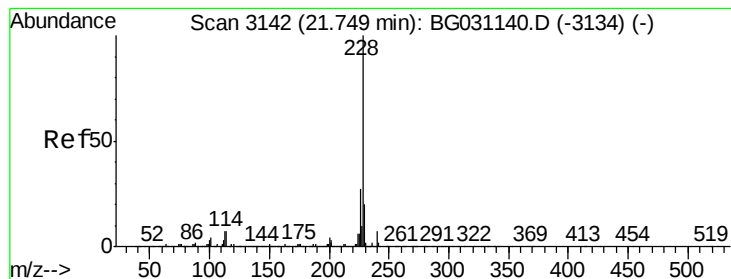
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.8	9.8	14.8#
100	6.7	7.5	11.3#



#20
 Pyrene
 Concen: 21.90 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.01 min
 Lab File: BG031222.D
 Acq: 27 Nov 2017 10:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	11.2	16.8#
100	8.7	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 20.24 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Instrument :

BNA_G

ClientSampleId :

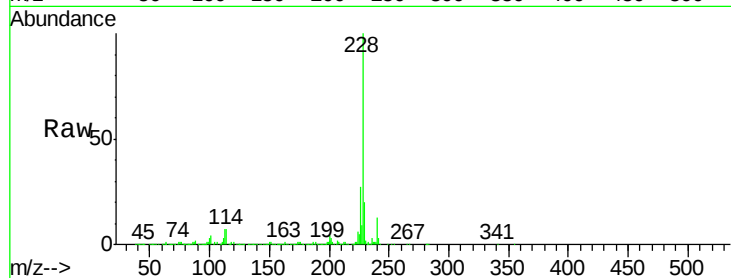
Tot Ion:228 Resp: 640713

Ion Ratio Lower Upper

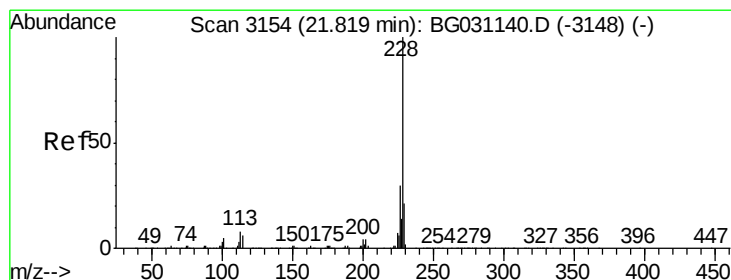
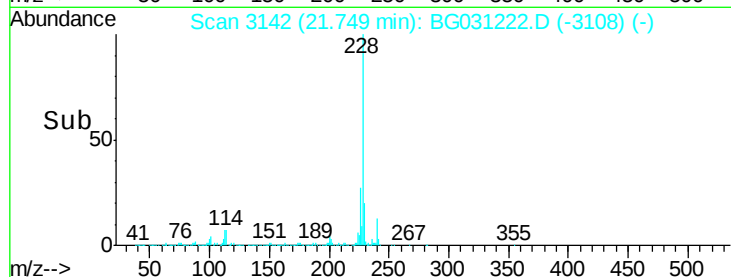
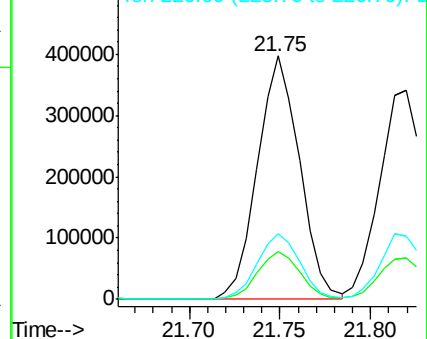
228 100

229 19.5 15.9 23.9

226 27.1 22.1 33.1



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



#22

Chrysene

Concen: 19.43 ng/ul

RT: 21.82 min Scan# 3154

Delta R.T. 0.00 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

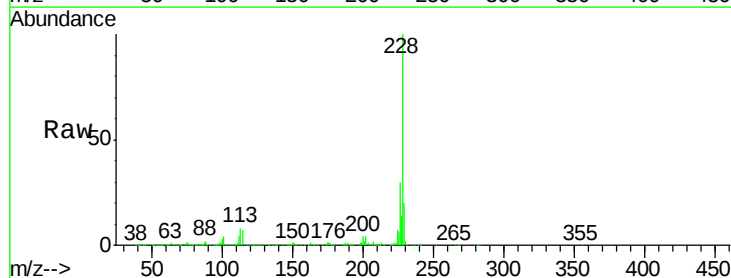
Tgt Ion:228 Resp: 585134

Ion Ratio Lower Upper

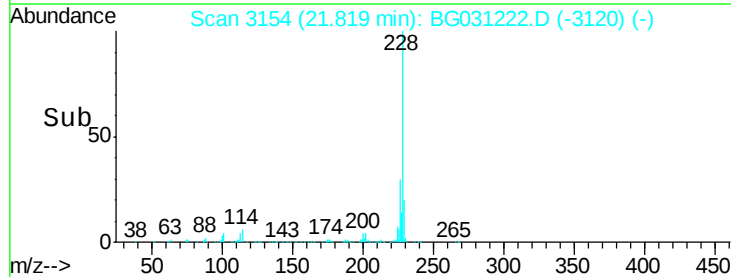
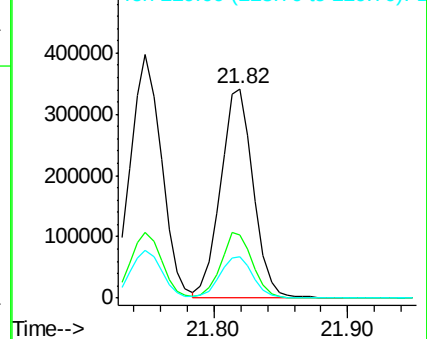
228 100

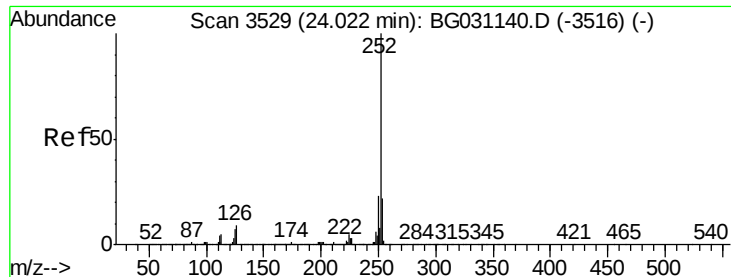
226 30.0 25.0 37.6

229 19.5 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: 20.10 ng/ul

RT: 24.02 min Scan# 3528

Delta R.T. -0.01 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Instrument :

BNA_G

ClientSampleId :

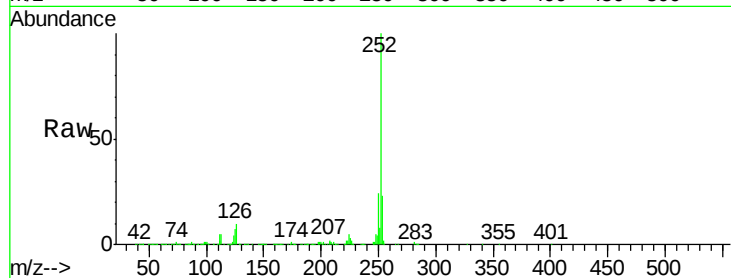
Tot Ion:252 Resp: 618874

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

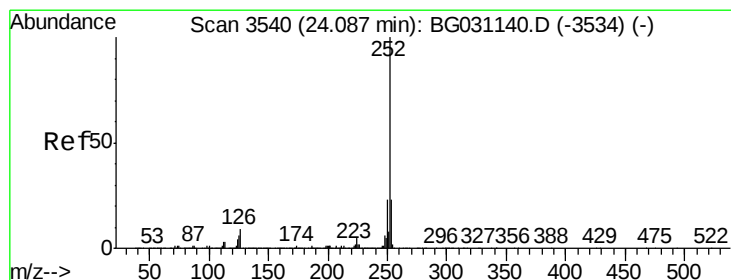
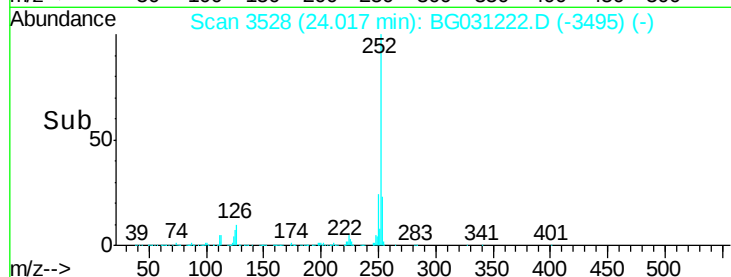
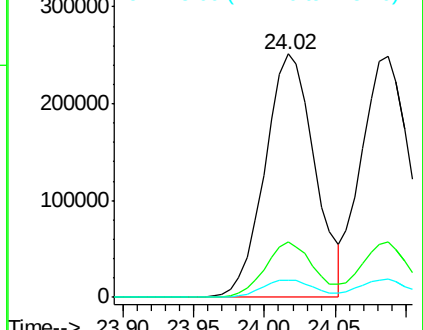
125 7.2 9.4 14.0#



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: 19.52 ng/ul

RT: 24.09 min Scan# 3540

Delta R.T. 0.00 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

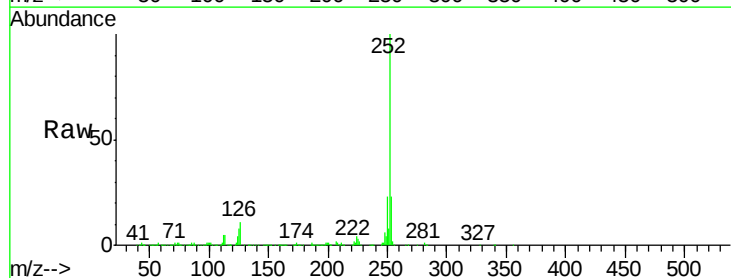
Tgt Ion:252 Resp: 592285

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

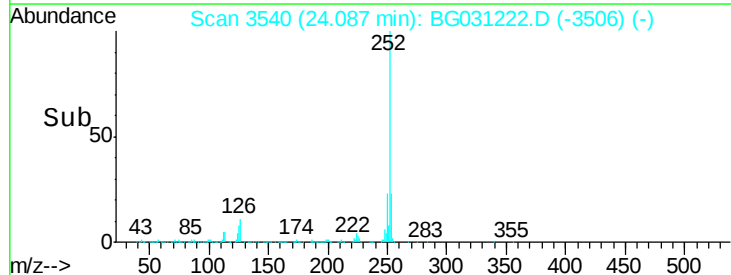
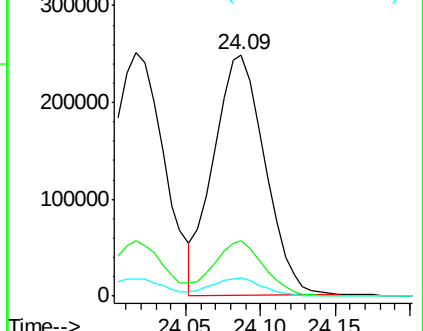
125 7.8 8.8 13.2#

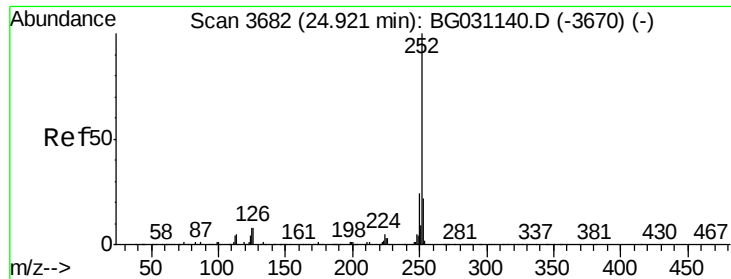


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 20.16 ng/ul

RT: 24.92 min Scan# 3681

Delta R.T. -0.01 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Instrument :

BNA_G

ClientSampled :

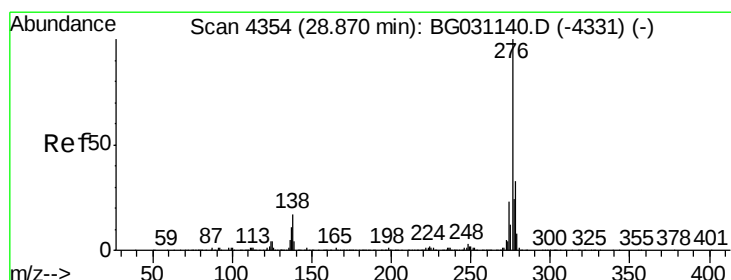
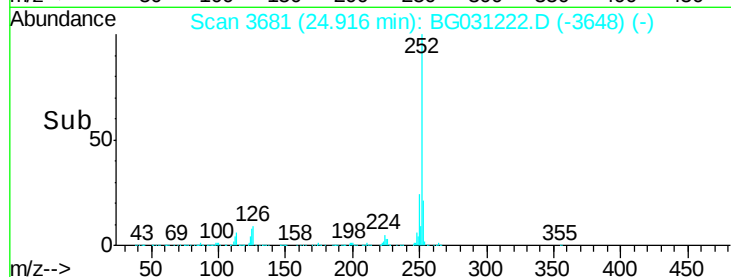
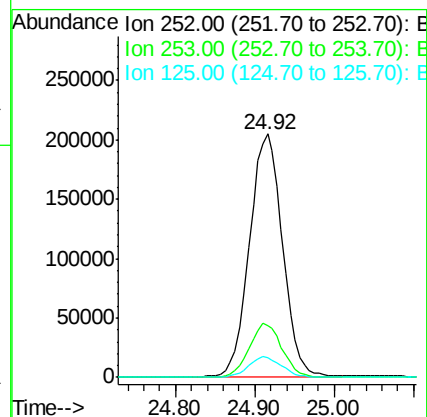
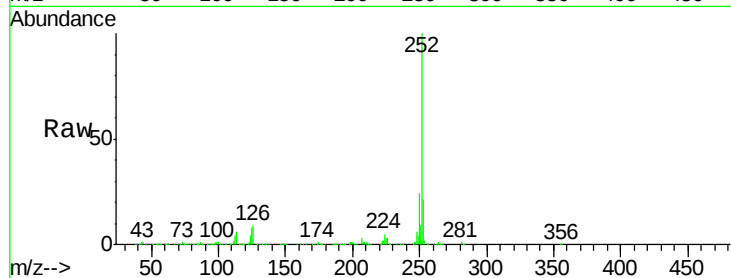
Tot Ion:252 Resp: 594989

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 8.3 9.4 14.2#



#28

Indeno(1,2,3-cd)pyrene

Concen: 19.68 ng/ul

RT: 28.86 min Scan# 4352

Delta R.T. -0.01 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

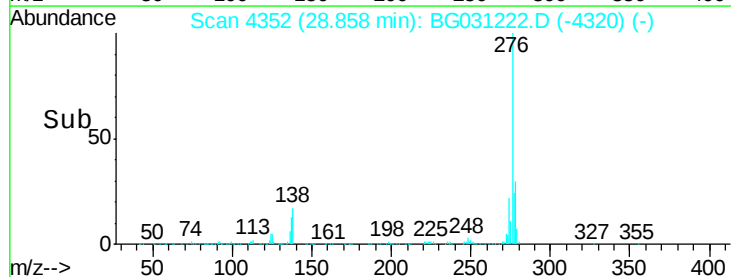
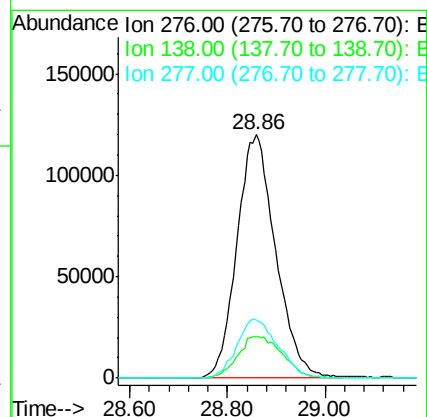
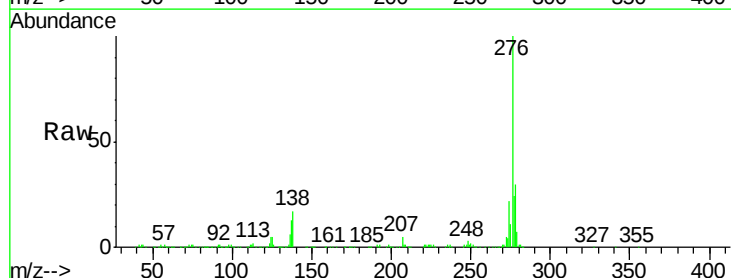
Tgt Ion:276 Resp: 661968

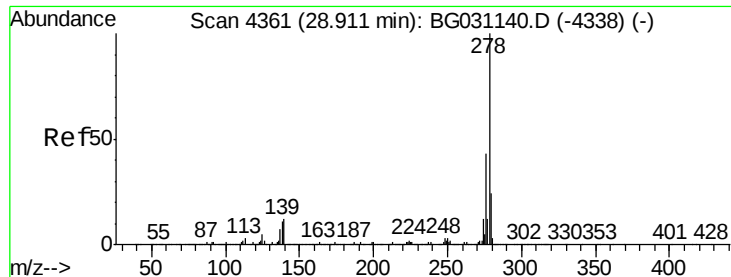
Ion Ratio Lower Upper

276 100

138 17.0 17.8 26.6#

277 24.0 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 10.90 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. -0.01 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

Instrument :

BNA_G

ClientSampleId :

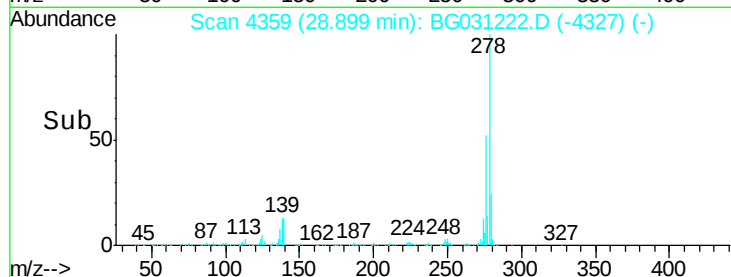
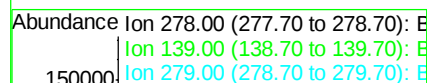
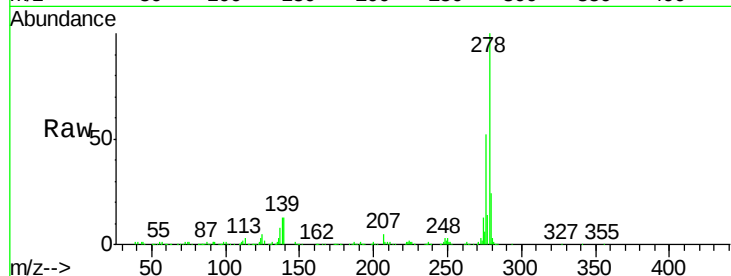
Tot Ion:278 Resp: 303670

Ion Ratio Lower Upper

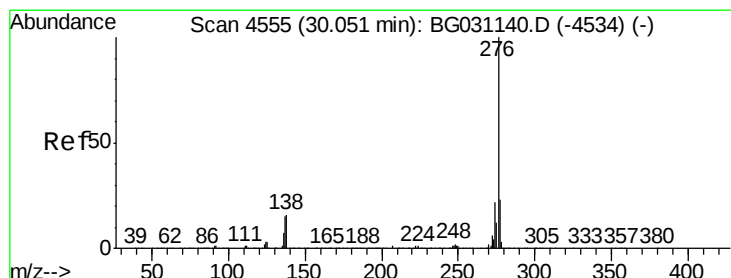
278 100

139 12.8 14.0 21.0#

279 23.8 20.6 31.0



Time-->



#30

Benzo(g,h,i)perylene

Concen: 9.59 ng/ul

RT: 30.03 min Scan# 4551

Delta R.T. -0.02 min

Lab File: BG031222.D

Acq: 27 Nov 2017 10:52

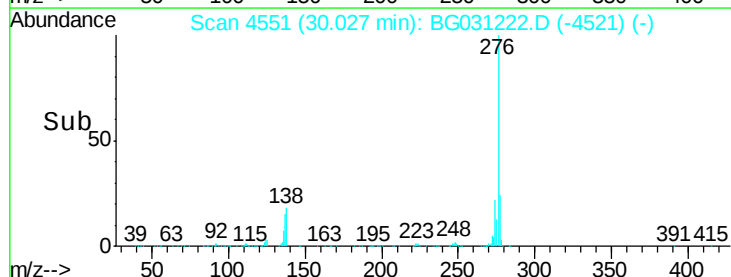
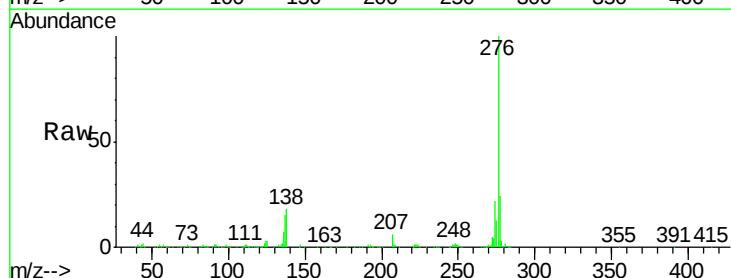
Tgt Ion:276 Resp: 268623

Ion Ratio Lower Upper

276 100

138 18.4 19.0 28.4#

277 23.5 19.7 29.5



Time-->