

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
 Data File : BG031236.D
 Acq On : 27 Nov 2017 19:38
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 05:06:01 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 28 04:50:20 2017
 Response via : Initial Calibration

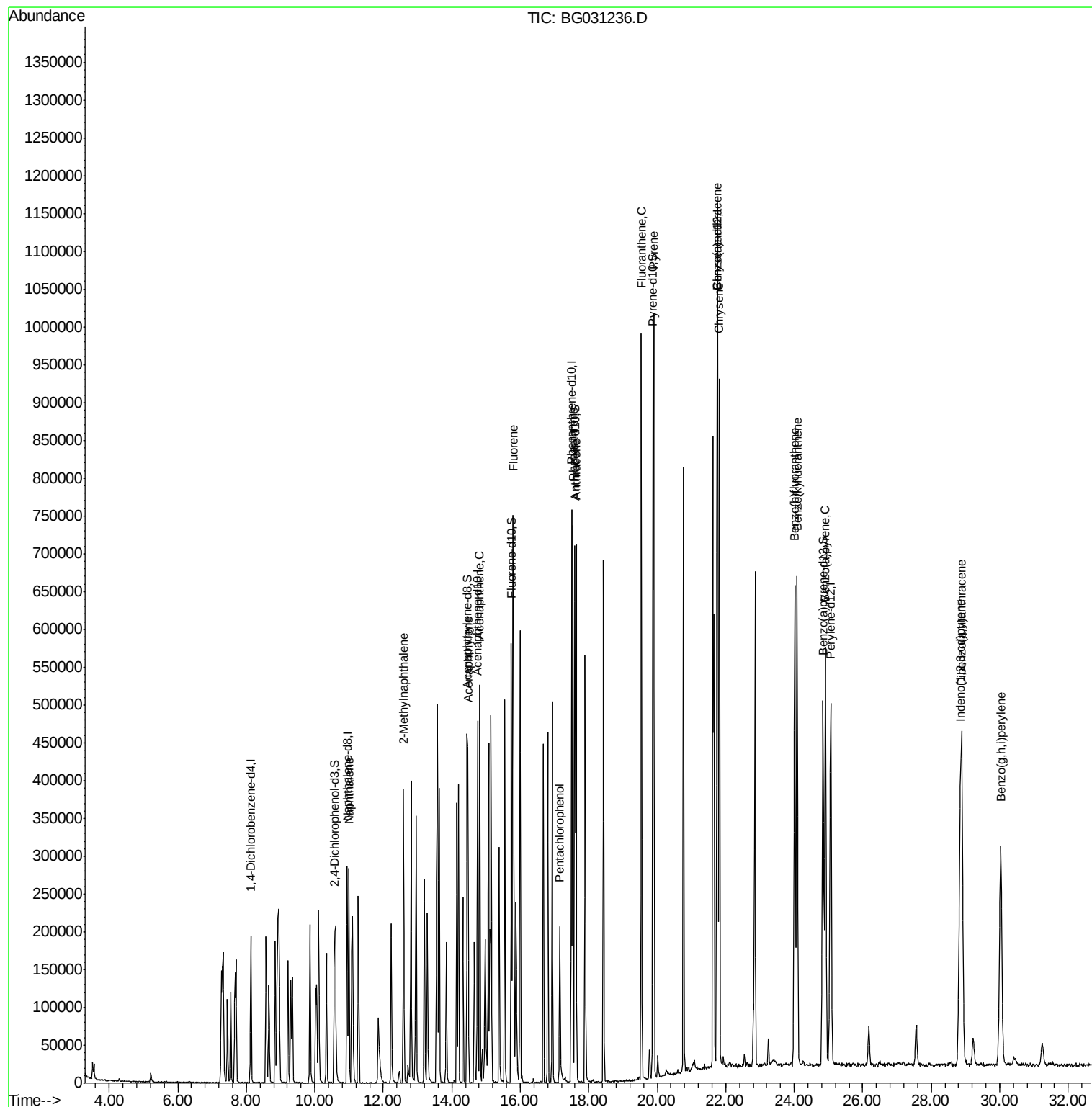
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	60899	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	267494	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.75	164	176035	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	463176	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	551496	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	543558	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.57	165	87716	17.38	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	353151	19.29	ng/ul	0.00
10) Fluorene-d10	15.74	176	262198	17.83	ng/ul	0.00
15) Anthracene-d10	17.59	188	424483	18.31	ng/ul	0.00
19) Pyrene-d10	19.87	212	531065	21.08	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	505381	18.79	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	251649	19.65	ng/ul	98
5) 2-Methylnaphthalene	12.59	142	198956	18.83	ng/ul	98
8) Acenaphthylene	14.47	152	333458	20.80	ng/ul	97
9) Acenaphthene	14.81	153	231032	19.97	ng/ul	97
11) Fluorene	15.80	166	282862	19.30	ng/ul	98
13) Pentachlorophenol	17.15	266	53704	19.88	ng/uL	97
14) Phenanthrene	17.53	178	477907	19.23	ng/ul	98
16) Anthracene	17.63	178	490736	19.44	ng/ul	99
17) Fluoranthene	19.54	202	644064	18.62	ng/ul#	91
20) Pyrene	19.90	202	660248	22.56	ng/ul#	90
21) Benzo(a)anthracene	21.75	228	680681	20.26	ng/ul	100
22) Chrysene	21.81	228	614281	19.22	ng/ul	98
24) Benzo(b)fluoranthene	24.01	252	656055	19.98	ng/ul#	95
25) Benzo(k)fluoranthene	24.08	252	641022	19.81	ng/ul#	95
27) Benzo(a)pyrene	24.91	252	634732	20.16	ng/ul#	97
28) Indeno(1,2,3-cd)pyrene	28.85	276	710179	19.79	ng/ul#	94
29) Dibenzo(a,h)anthracene	28.89	278	597441	20.11	ng/ul#	93
30) Benzo(g,h,i)perylene	30.03	276	595458	19.93	ng/ul#	92

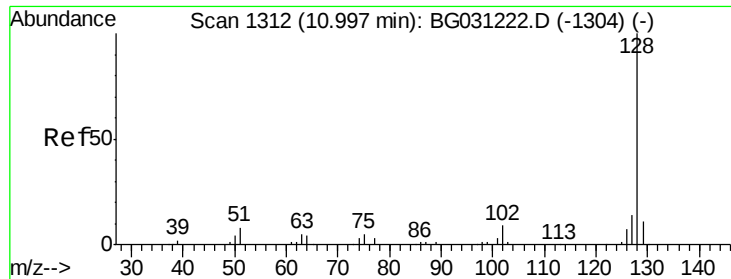
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
Data File : BG031236.D
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Nov 28 05:06:01 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 28 04:50:20 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 19.65 ng/ul

RT: 11.00 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BG031236.D

Acq: 27 Nov 2017 19:38

Instrument :

BNA_G

ClientSampleId :

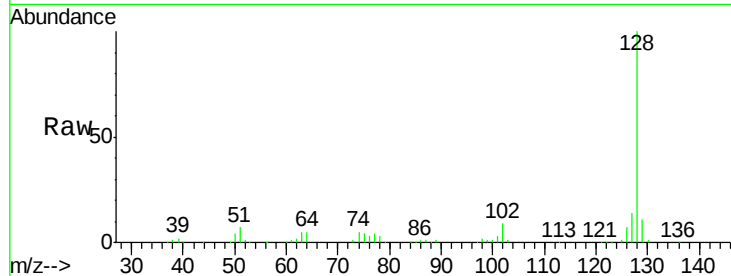
Tot Ion:128 Resp: 251649

Ion Ratio Lower Upper

128 100

129 10.9 9.1 13.7

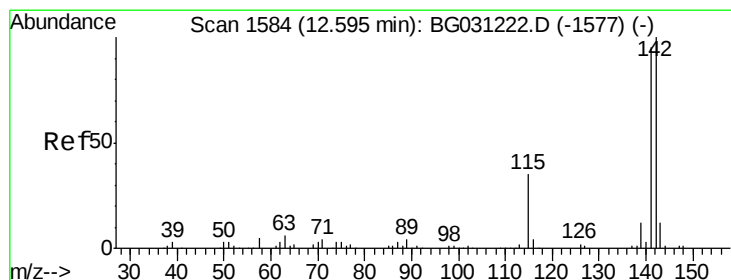
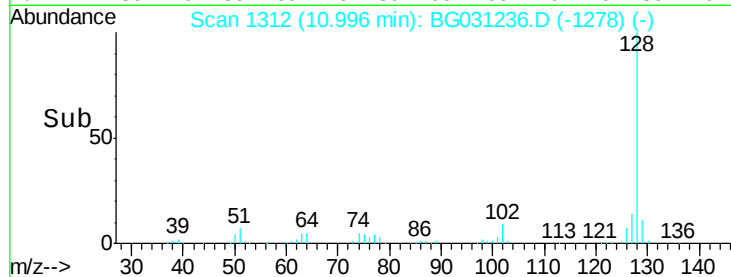
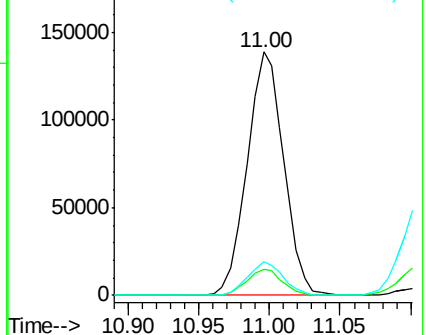
127 13.9 10.6 15.8



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: 18.83 ng/ul

RT: 12.59 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BG031236.D

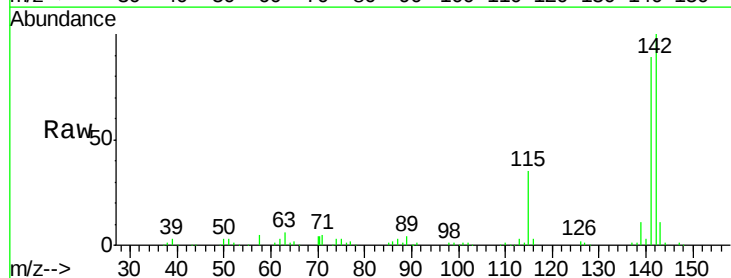
Acq: 27 Nov 2017 19:38

Tgt Ion:142 Resp: 198956

Ion Ratio Lower Upper

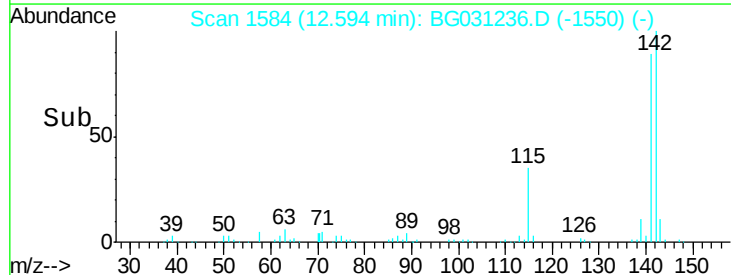
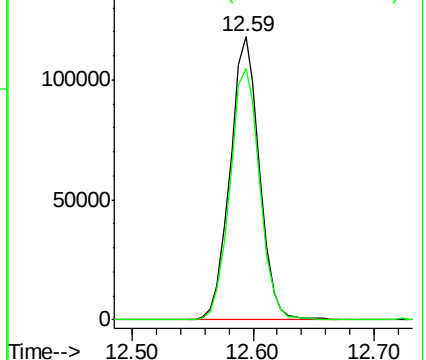
142 100

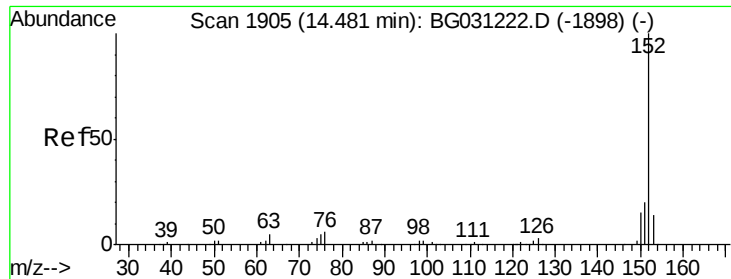
141 88.9 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.80 ng/ul

RT: 14.47 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BG031236.D

Acq: 27 Nov 2017 19:38

Instrument :

BNA_G

ClientSampleId :

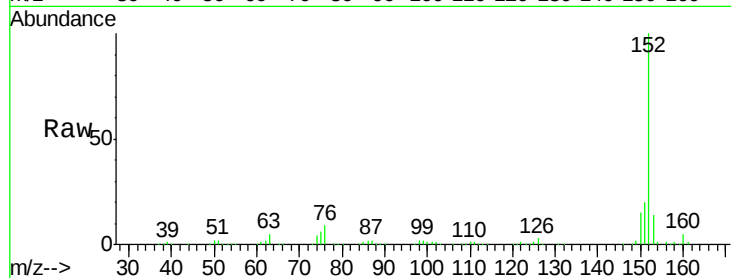
Tot Ion:152 Resp: 333458

Ion Ratio Lower Upper

152 100

151 20.4 17.5 26.3

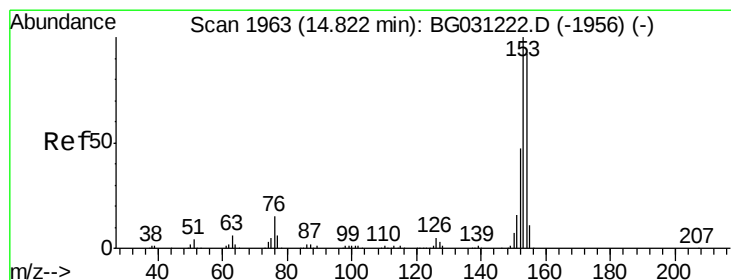
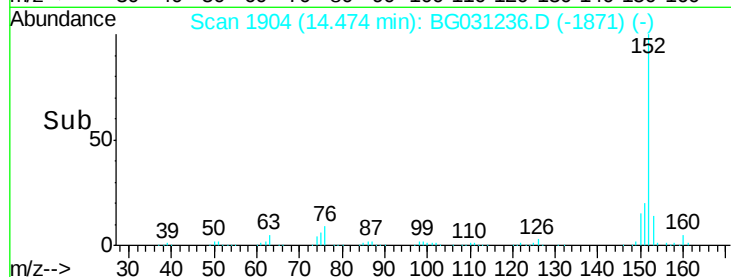
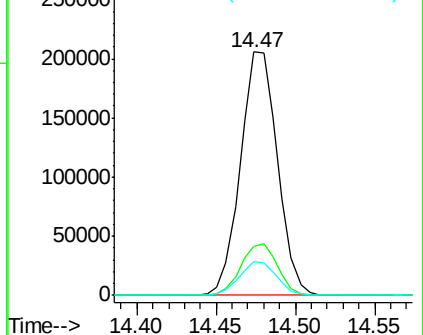
153 14.1 10.6 16.0



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



#9

Acenaphthene

Concen: 19.97 ng/ul

RT: 14.81 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG031236.D

Acq: 27 Nov 2017 19:38

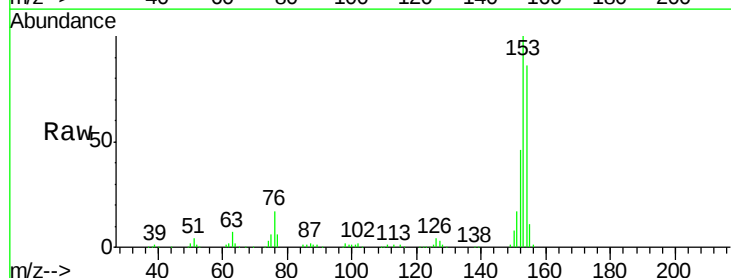
Tgt Ion:153 Resp: 231032

Ion Ratio Lower Upper

153 100

152 46.5 37.9 56.9

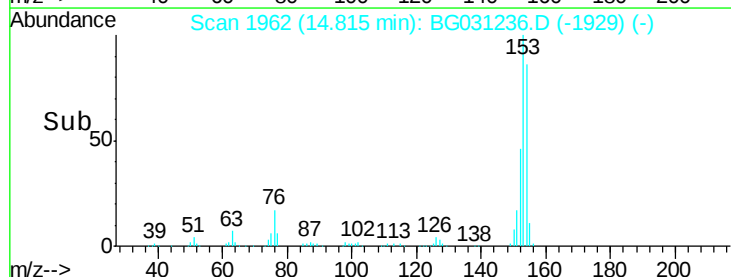
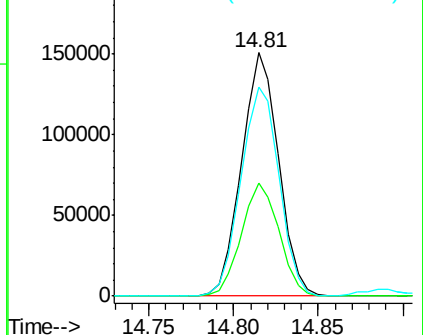
154 85.8 71.6 107.4

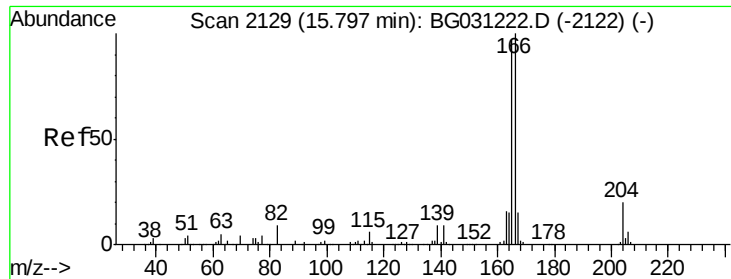


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

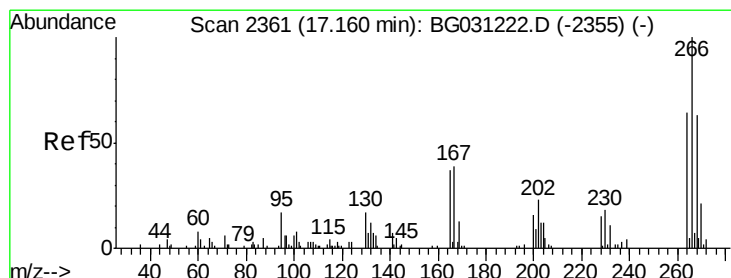
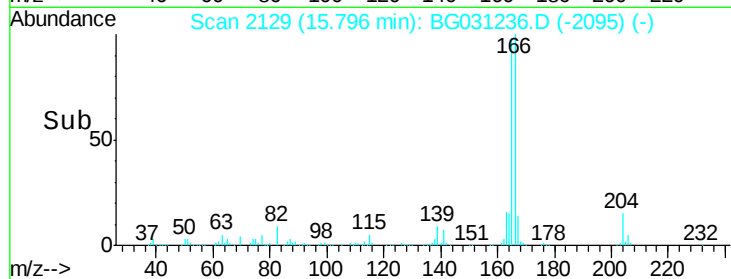
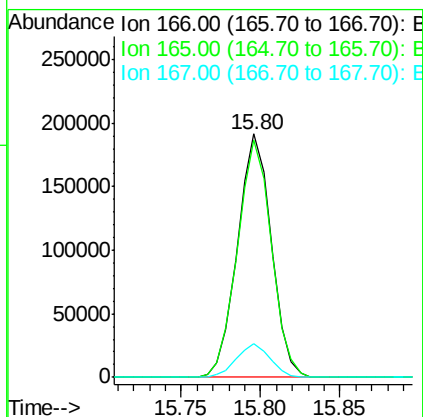
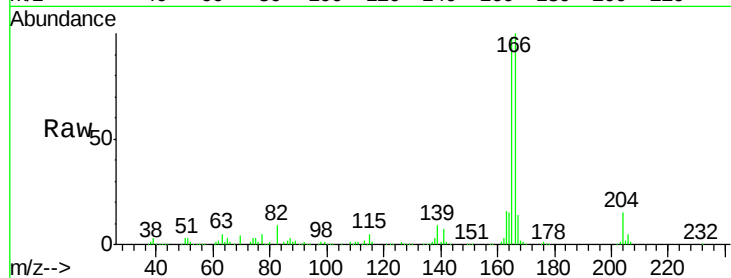




#11
 Fluorene
 Concen: 19.30 ng/ul
 RT: 15.80 min Scan# 2129
 Delta R.T. -0.00 min
 Lab File: BG031236.D
 Acq: 27 Nov 2017 19:38

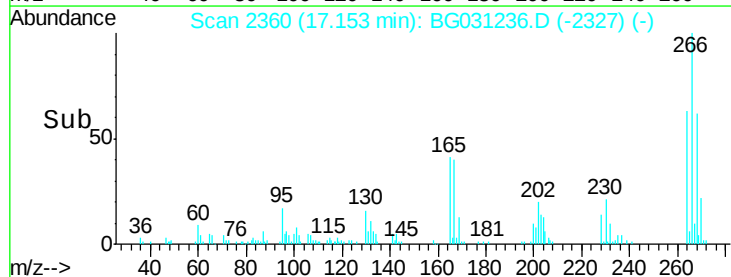
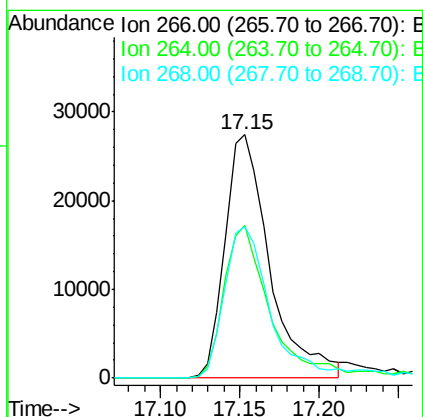
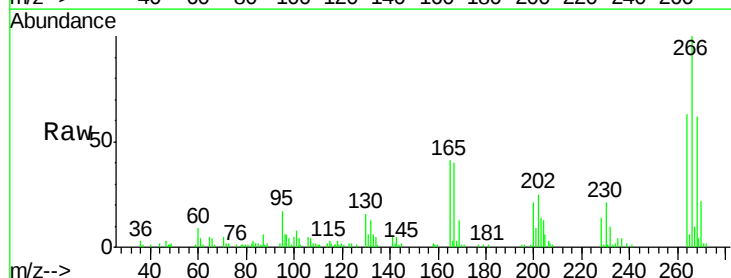
Instrument :
 BNA_G
 ClientSampled :

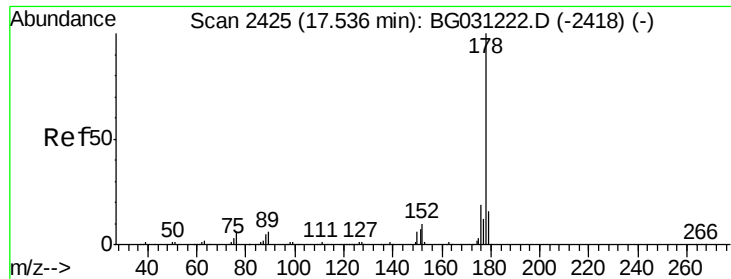
Tot Ion:166 Resp: 282862
 Ion Ratio Lower Upper
 166 100
 165 97.6 80.0 120.0
 167 13.9 11.6 17.4



#13
 Pentachlorophenol
 Concen: 19.88 ng/uL
 RT: 17.15 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: BG031236.D
 Acq: 27 Nov 2017 19:38

Tgt Ion:266 Resp: 53704
 Ion Ratio Lower Upper
 266 100
 264 62.7 52.0 78.0
 268 62.3 51.2 76.8

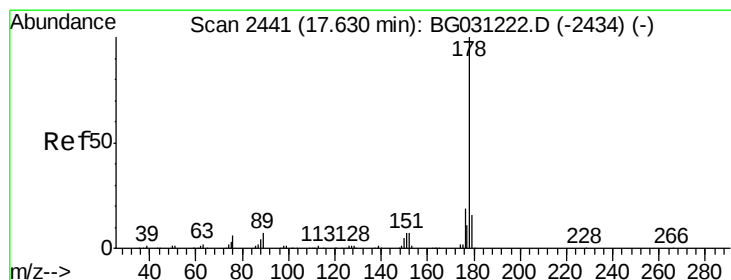
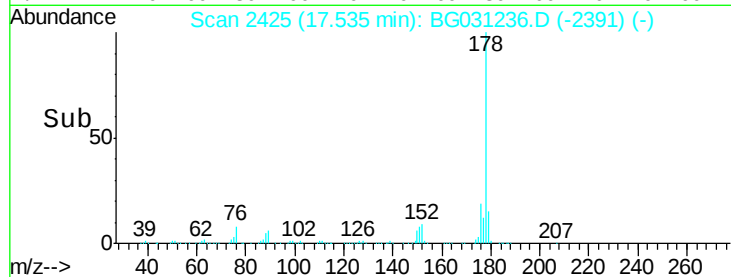
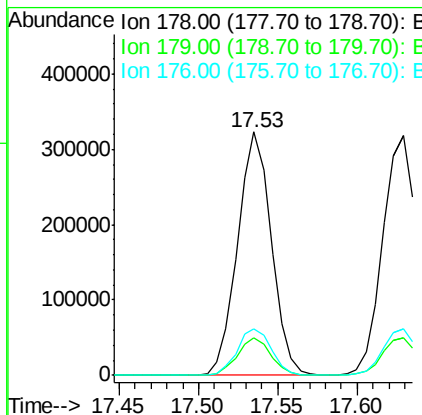
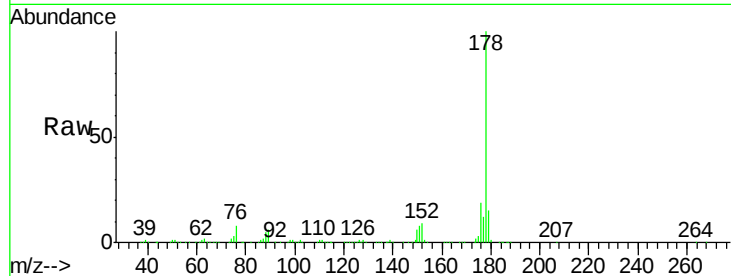




#14
Phenanthrene
Concen: 19.23 ng/ul
RT: 17.53 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG031236.D
Acq: 27 Nov 2017 19:38

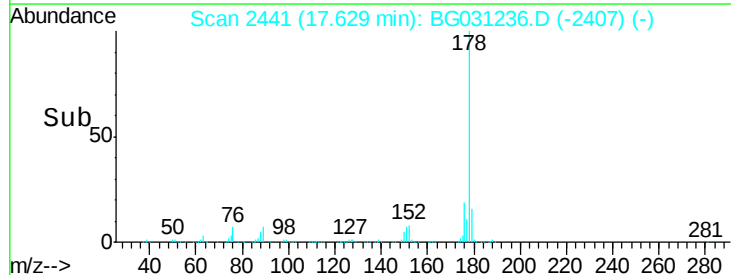
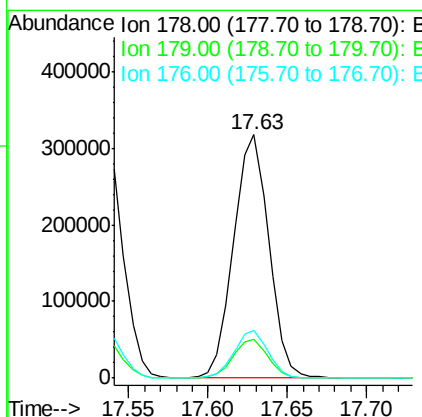
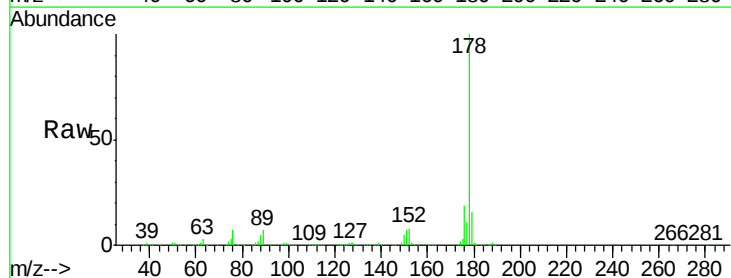
Instrument :
BNA_G
ClientSampleId :

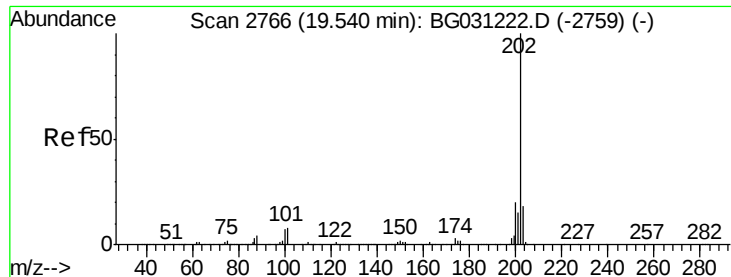
Tot Ion:178 Resp: 477907
Ion Ratio Lower Upper
178 100
179 15.5 12.2 18.4
176 19.1 16.4 24.6



#16
Anthracene
Concen: 19.44 ng/ul
RT: 17.63 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG031236.D
Acq: 27 Nov 2017 19:38

Tgt Ion:178 Resp: 490736
Ion Ratio Lower Upper
178 100
179 15.8 12.7 19.1
176 19.4 15.8 23.8

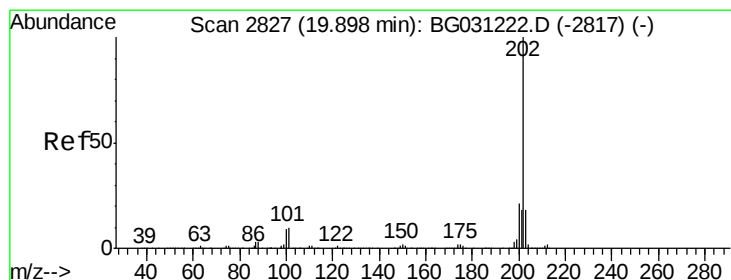
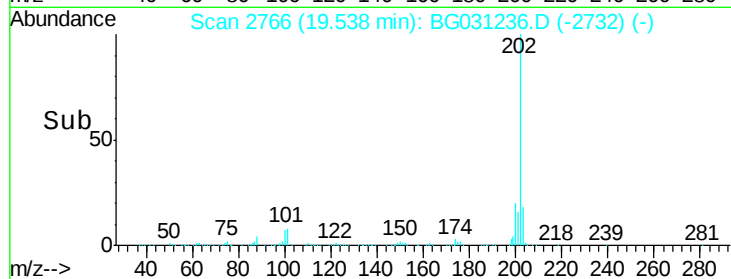
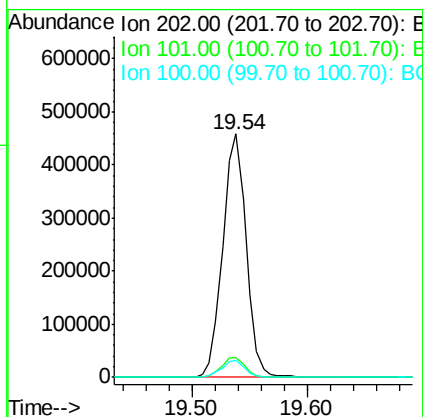
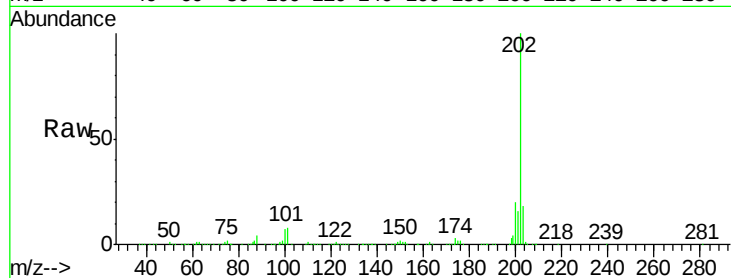




#17
Fluoranthene
 Concen: 18.62 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. -0.00 min
 Lab File: BG031236.D
 Acq: 27 Nov 2017 19:38

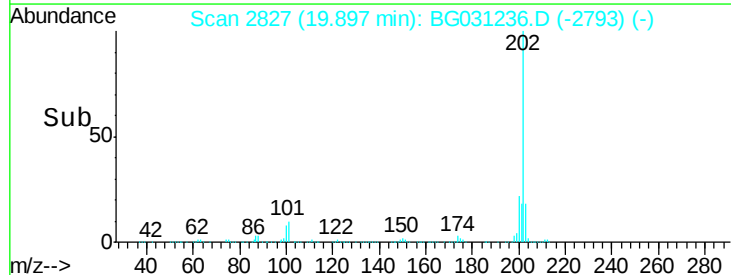
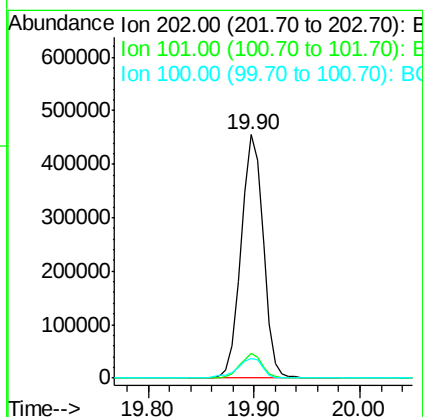
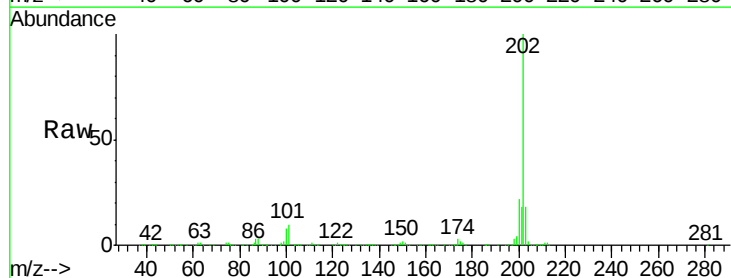
Instrument :
 BNA_G
 ClientSampleId :

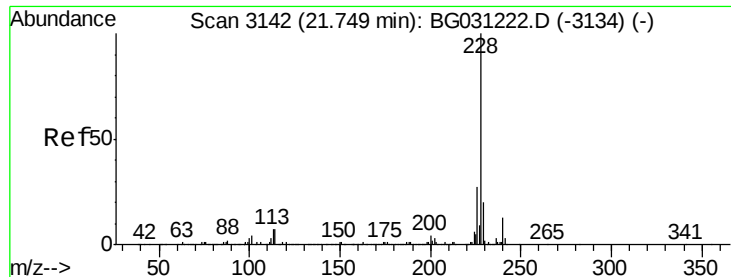
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	9.8	14.8#
100	7.0	7.5	11.3#



#20
Pyrene
 Concen: 22.56 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.00 min
 Lab File: BG031236.D
 Acq: 27 Nov 2017 19:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	11.2	16.8#
100	8.2	9.8	14.6#

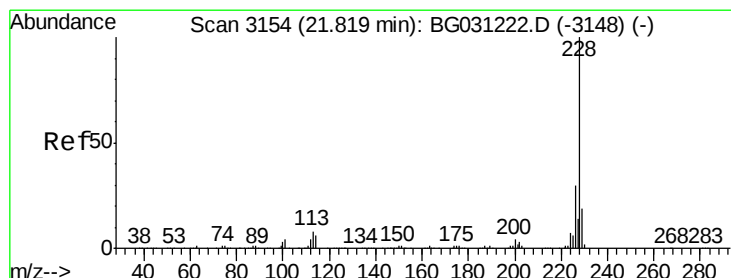
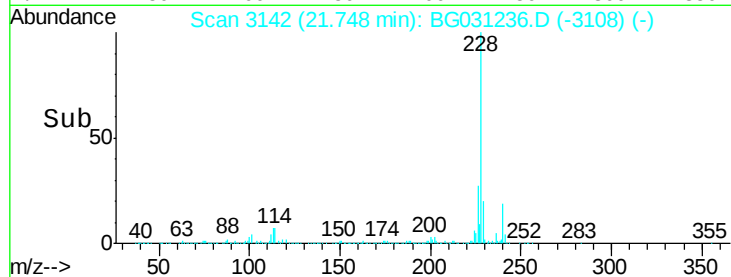
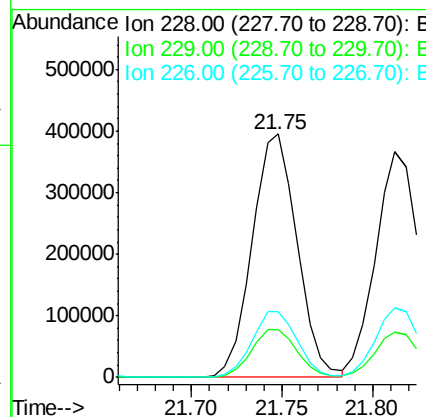
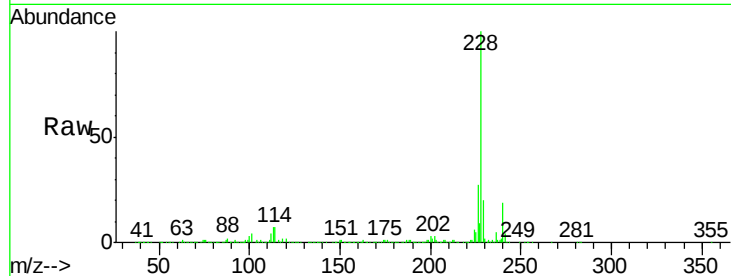




#21
Benzo(a)anthracene
Concen: 20.26 ng/ul
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG031236.D
Acq: 27 Nov 2017 19:38

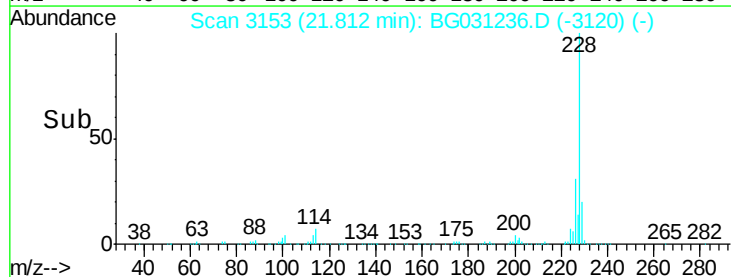
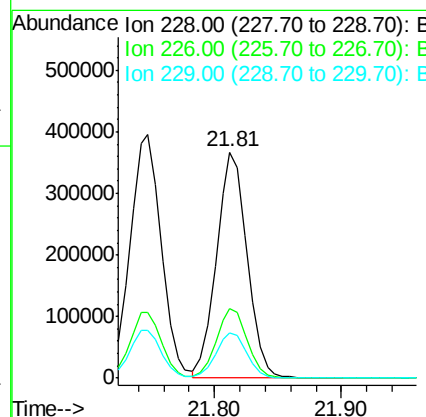
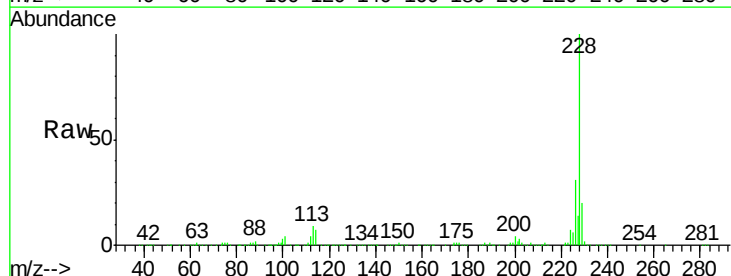
Instrument :
BNA_G
ClientSampled :

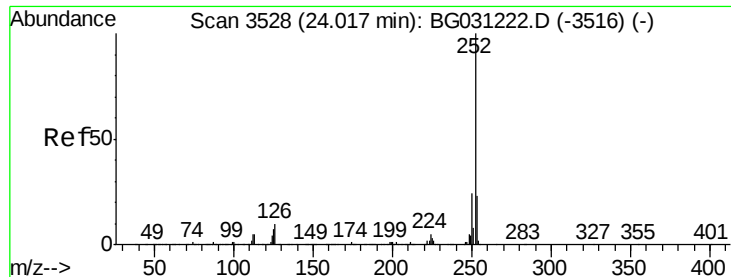
Tot Ion:228 Resp: 680681
Ion Ratio Lower Upper
228 100
229 19.9 15.9 23.9
226 27.2 22.1 33.1



#22
Chrysene
Concen: 19.22 ng/ul
RT: 21.81 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG031236.D
Acq: 27 Nov 2017 19:38

Tgt Ion:228 Resp: 614281
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 19.8 16.6 25.0

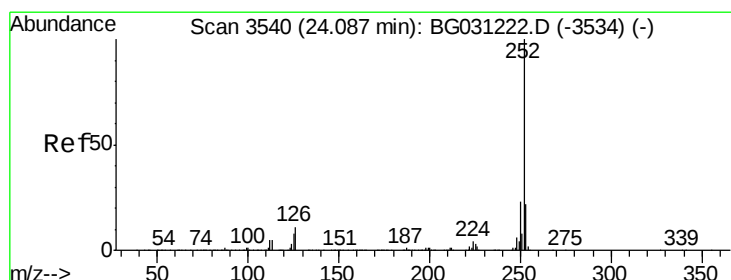
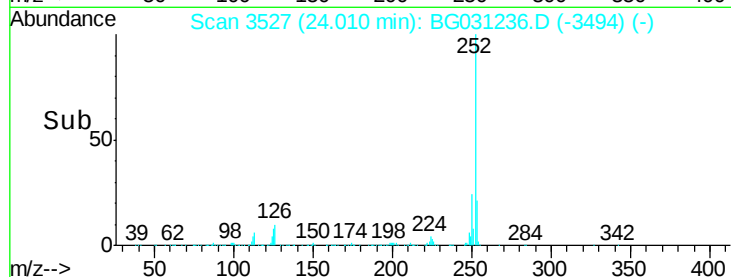
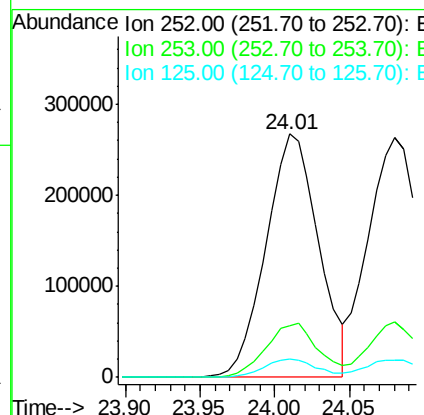
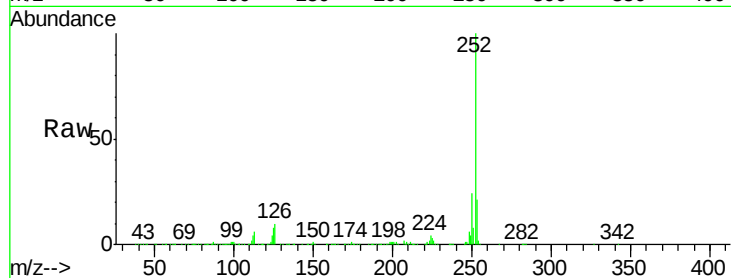




#24
Benzo(b)fluoranthene
Concen: 19.98 ng/ul
RT: 24.01 min Scan# 3527
Delta R.T. -0.01 min
Lab File: BG031236.D
Acq: 27 Nov 2017 19:38

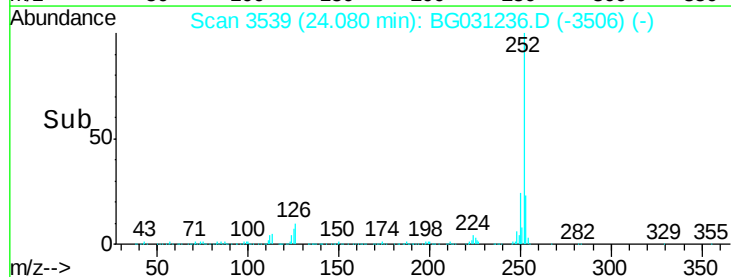
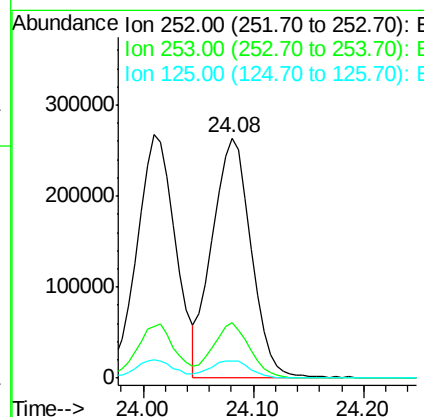
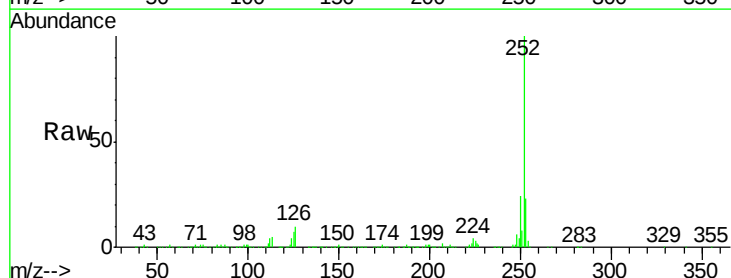
Instrument :
BNA_G
ClientSampleId :

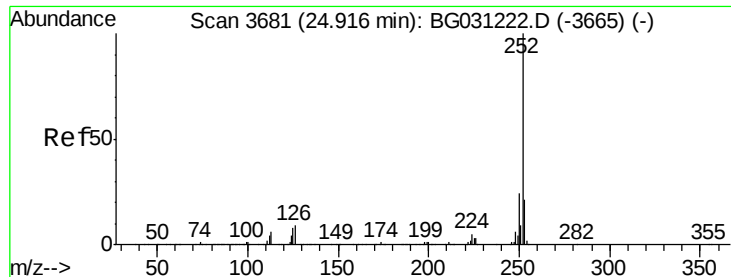
Tot Ion:252 Resp: 656055
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 7.6 9.4 14.0#



#25
Benzo(k)fluoranthene
Concen: 19.81 ng/ul
RT: 24.08 min Scan# 3539
Delta R.T. -0.01 min
Lab File: BG031236.D
Acq: 27 Nov 2017 19:38

Tgt Ion:252 Resp: 641022
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 7.4 8.8 13.2#





#27

Benzo(a)pyrene

Concen: 20.16 ng/ul

RT: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG031236.D

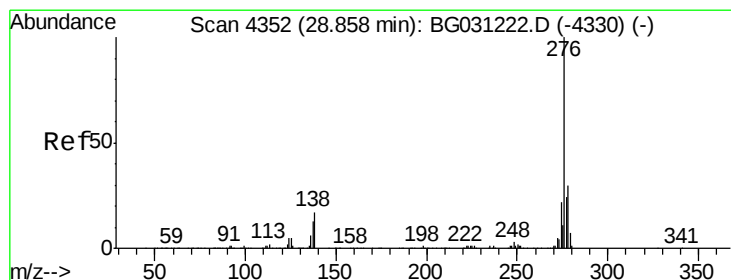
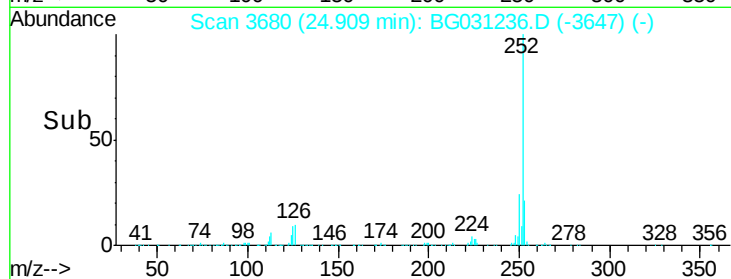
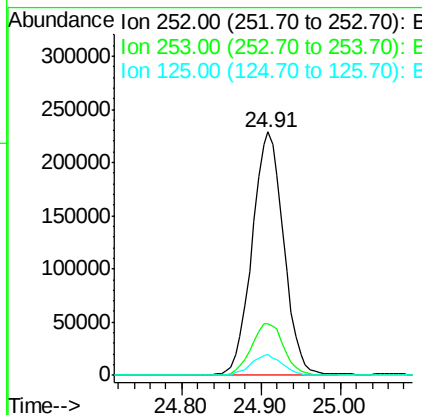
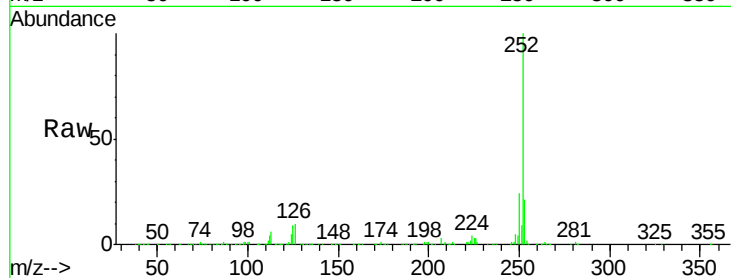
Acq: 27 Nov 2017 19:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	634732
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	8.6	9.4	14.2#



#28

Indeno(1,2,3-cd)pyrene

Concen: 19.79 ng/ul

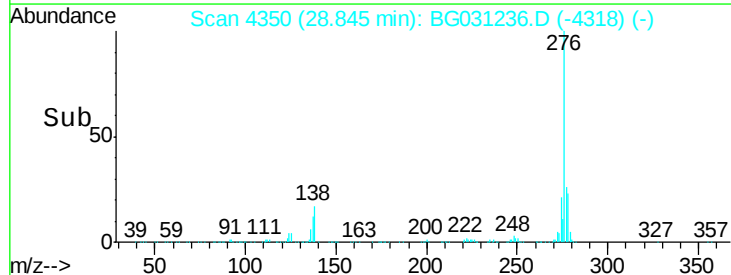
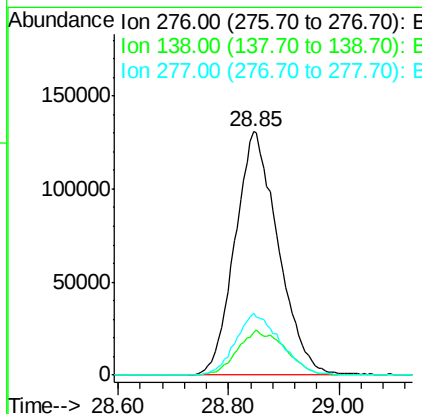
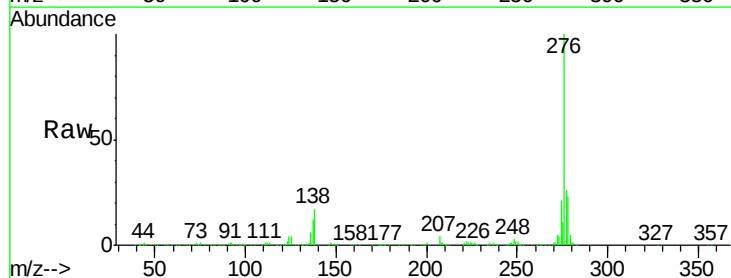
RT: 28.85 min Scan# 4350

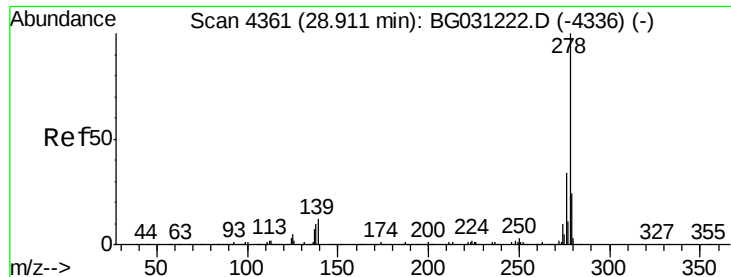
Delta R.T. -0.01 min

Lab File: BG031236.D

Acq: 27 Nov 2017 19:38

Tgt Ion:	276	Resp:	710179
Ion	Ratio	Lower	Upper
276	100		
138	17.3	17.8	26.6#
277	25.5	19.4	29.0





#29

Dibenzo(a,h)anthracene

Concen: 20.11 ng/ul

RT: 28.89 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BG031236.D

Acq: 27 Nov 2017 19:38

Instrument :

BNA_G

ClientSampleId :

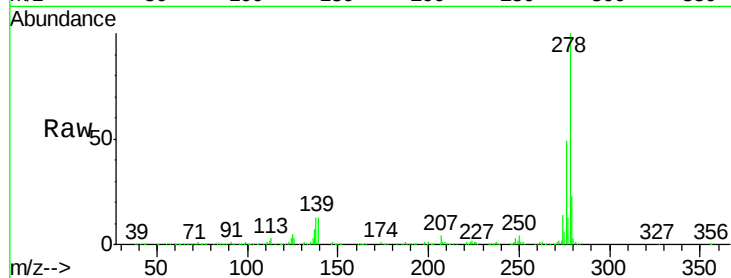
Tot Ion:278 Resp: 597441

Ion Ratio Lower Upper

278 100

139 12.7 14.0 21.0#

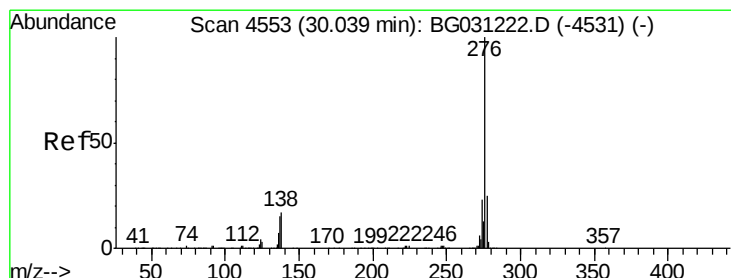
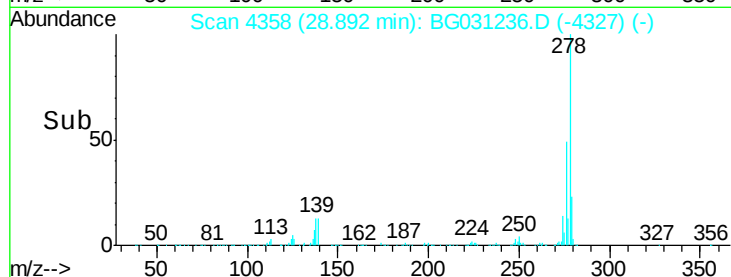
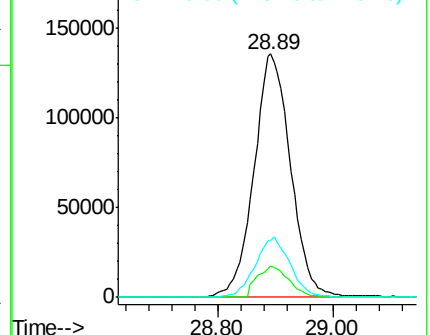
279 23.3 20.6 31.0



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



#30

Benzo(g,h,i)perylene

Concen: 19.93 ng/ul

RT: 30.03 min Scan# 4552

Delta R.T. -0.01 min

Lab File: BG031236.D

Acq: 27 Nov 2017 19:38

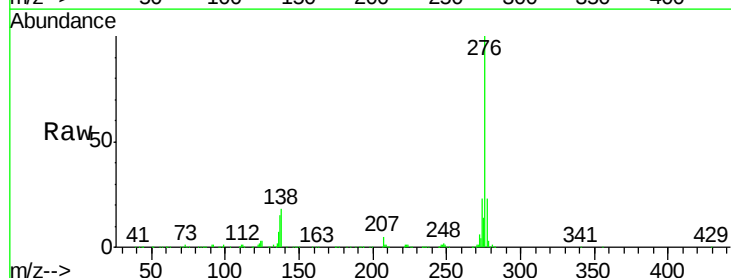
Tgt Ion:276 Resp: 595458

Ion Ratio Lower Upper

276 100

138 18.0 19.0 28.4#

277 22.8 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

