

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111717\
 Data File : BG031112.D
 Acq On : 18 Nov 2017 10:13
 Operator : SJ/JU
 Sample : I6431-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0FQ6

Quant Time: Nov 20 00:56:31 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 01:20:34 2017
 Response via : Initial Calibration

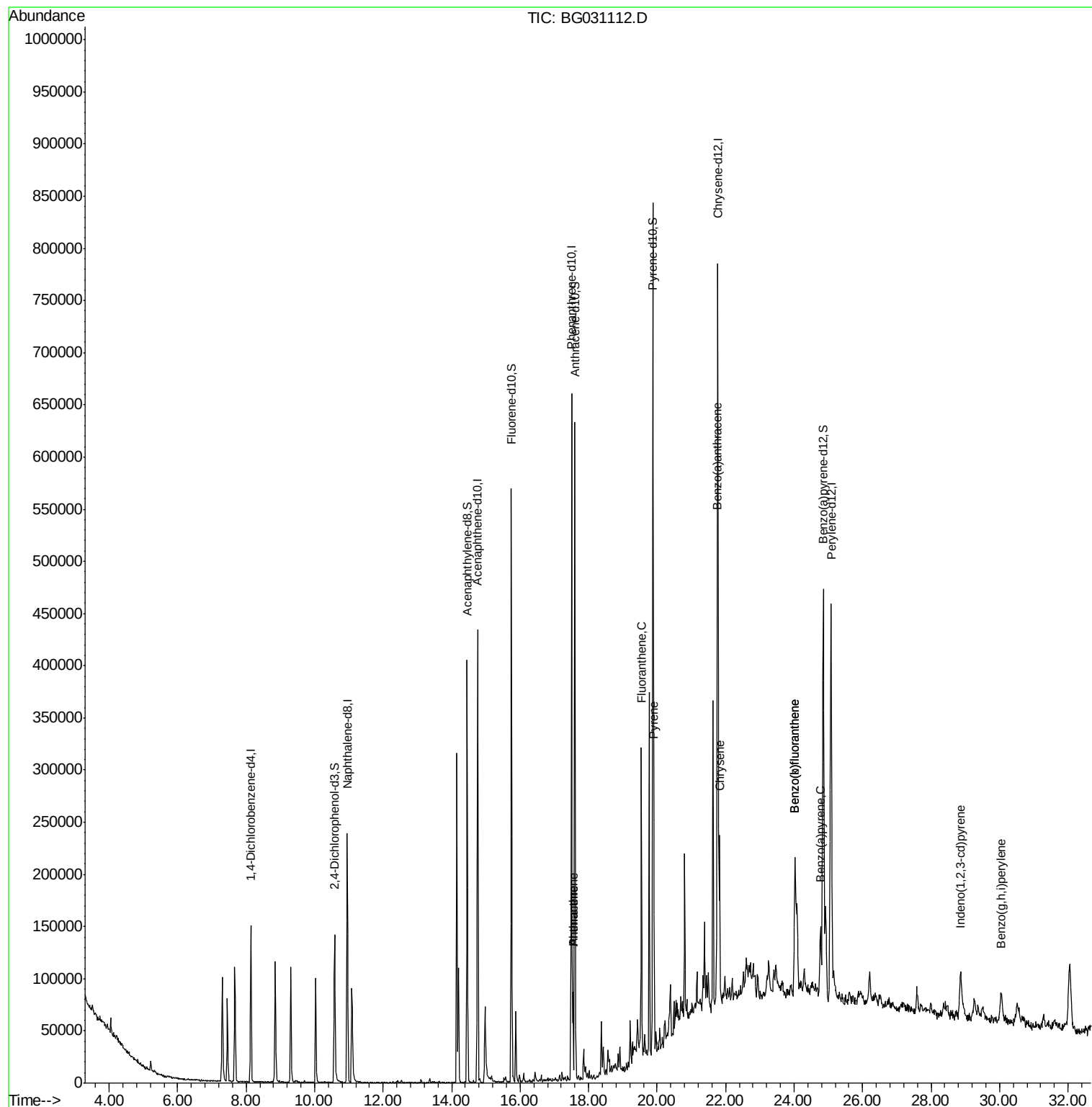
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47193	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	220035	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	159189	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	399437	20.00	ng/ul	0.00
18) Chrysene-d12	21.78	240	432128	20.00	ng/ul	0.00
23) Perylene-d12	25.08	264	429265	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	71912	17.32	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	323833	19.56	ng/ul	0.00
10) Fluorene-d10	15.75	176	249225	18.74	ng/ul	0.00
15) Anthracene-d10	17.60	188	396249	19.82	ng/ul	0.00
19) Pyrene-d10	19.87	212	463658	23.49	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	432162	20.35	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.54	178	54333	2.53	ng/ul	97
16) Anthracene	17.54	178	54282	2.49	ng/ul	97
17) Fluoranthene	19.54	202	196014	6.57	ng/ul#	88
20) Pyrene	19.90	202	165698	7.22	ng/ul#	84
21) Benzo(a)anthracene	21.75	228	104494	3.97	ng/ul	96
22) Chrysene	21.82	228	122002	4.87	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	161807	6.24	ng/ul#	95
25) Benzo(k)fluoranthene	24.02	252	161807	6.33	ng/ul#	96
27) Benzo(a)pyrene	24.77	252	74386	2.99	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.86	276	71243	2.51	ng/ul#	92
30) Benzo(g,h,i)perylene	30.05	276	58817	2.49	ng/ul#	93

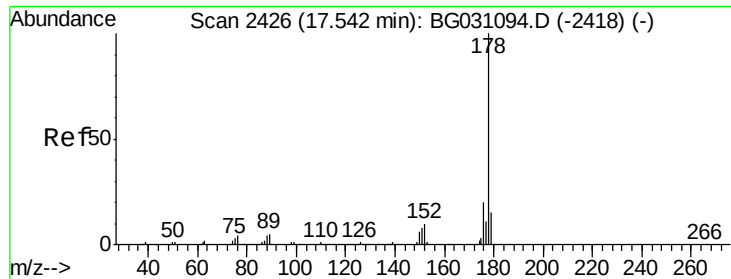
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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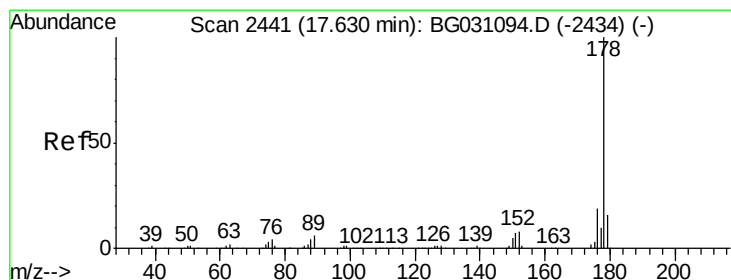
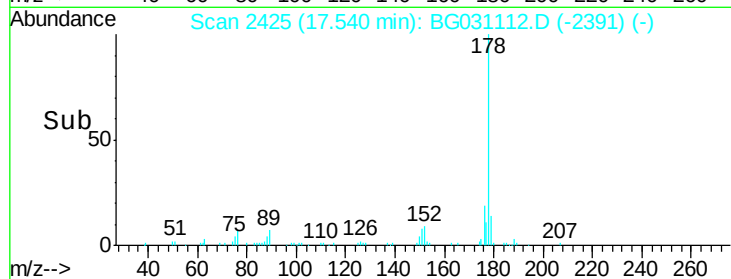
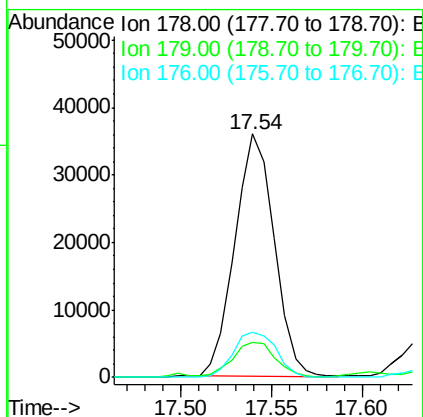
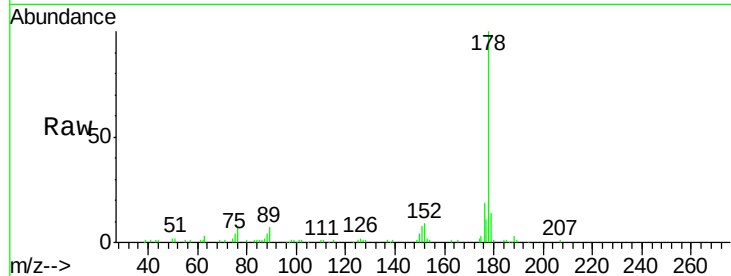




#14
Phenanthrene
Concen: 2.53 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG031112.D
Acq: 18 Nov 2017 10:13

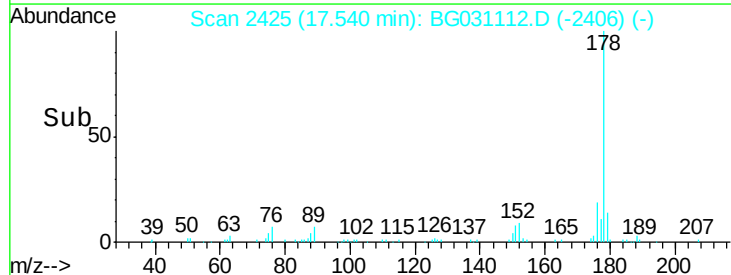
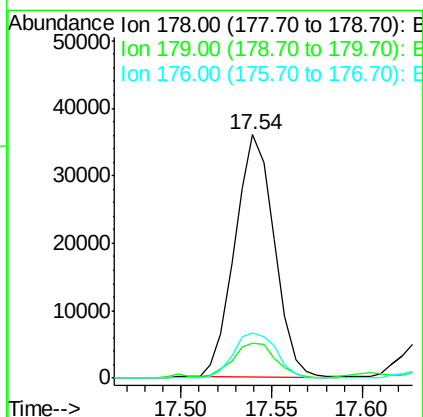
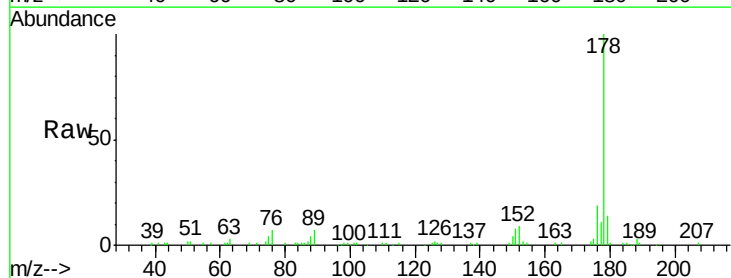
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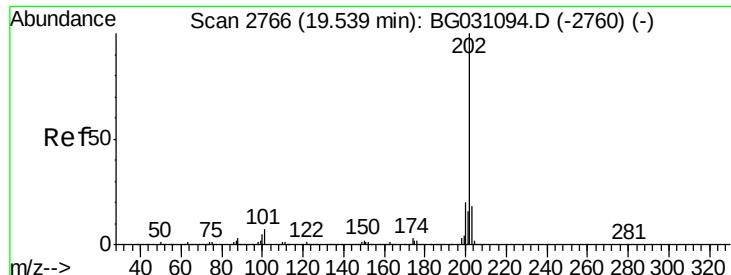
Tgt Ion:178 Resp: 54333
Ion Ratio Lower Upper
178 100
179 14.4 12.2 18.4
176 18.6 16.4 24.6



#16
Anthracene
Concen: 2.49 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.09 min
Lab File: BG031112.D
Acq: 18 Nov 2017 10:13

Tgt Ion:178 Resp: 54282
Ion Ratio Lower Upper
178 100
179 14.4 12.7 19.1
176 18.6 15.8 23.8

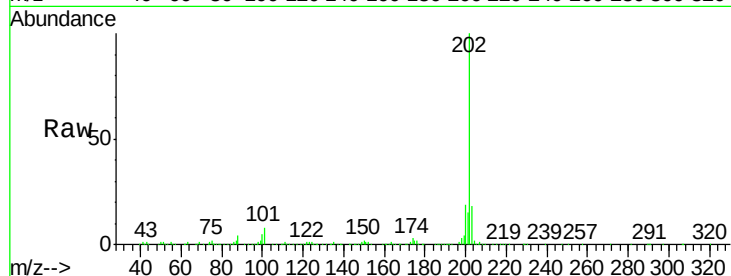




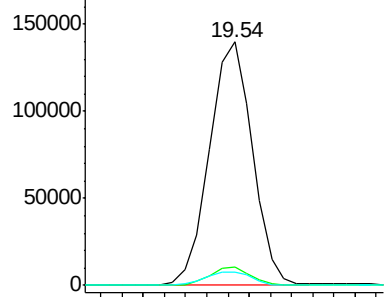
#17
 Fluoranthene
 Concen: 6.57 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: BG031112.D
 Acq: 18 Nov 2017 10:13

Instrument :
 BNA_G
 ClientSampleId :
 B0FQ6

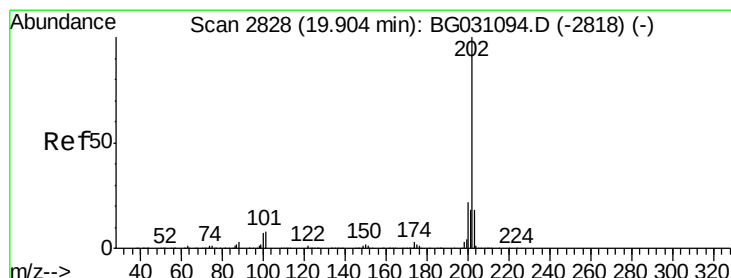
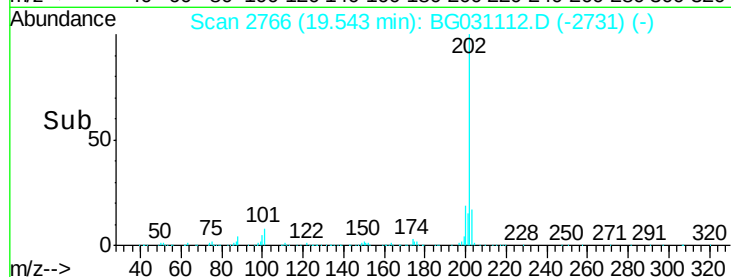
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	9.8	14.8#
100	5.3	7.5	11.3#



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

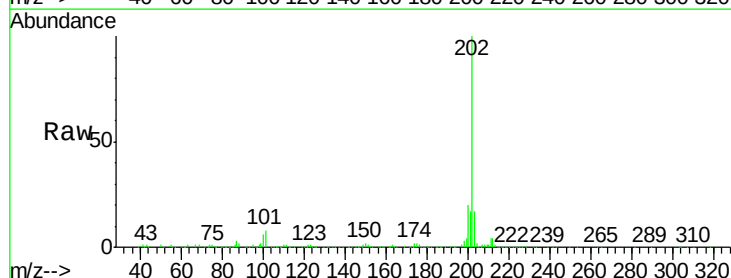


Time-->

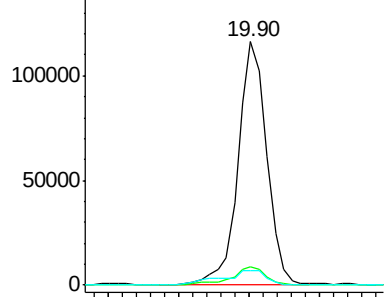


#20
 Pyrene
 Concen: 7.22 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.00 min
 Lab File: BG031112.D
 Acq: 18 Nov 2017 10:13

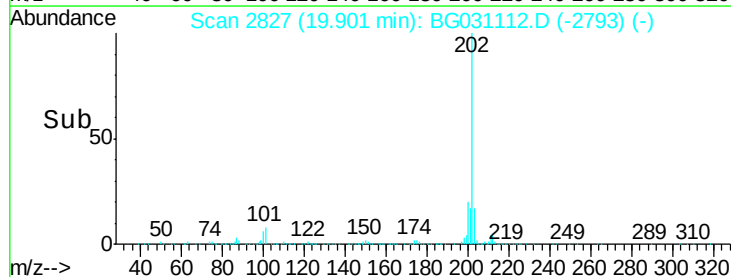
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	11.2	16.8#
100	6.2	9.8	14.6#

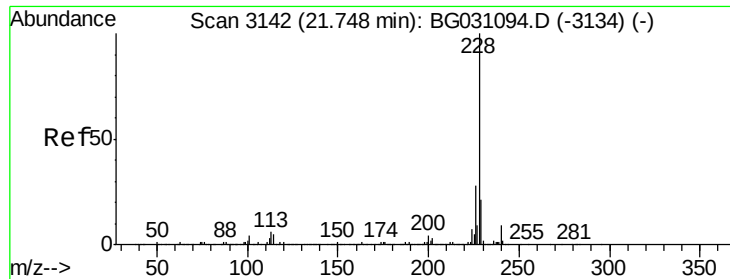


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time-->





#21

Benzo(a)anthracene

Concen: 3.97 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG031112.D

Acq: 18 Nov 2017 10:13

Instrument :

BNA_G

ClientSampleId :

B0FQ6

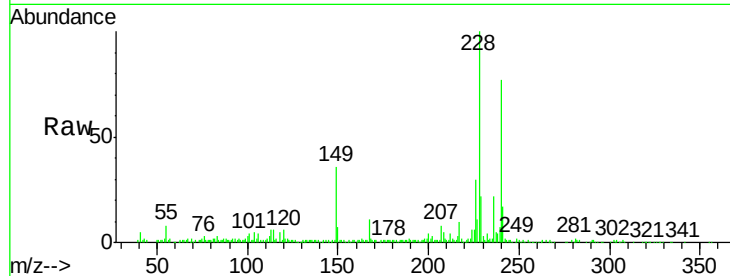
Tgt Ion:228 Resp: 104494

Ion Ratio Lower Upper

228 100

229 21.7 15.9 23.9

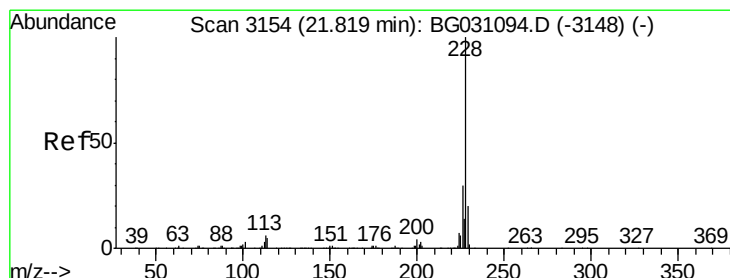
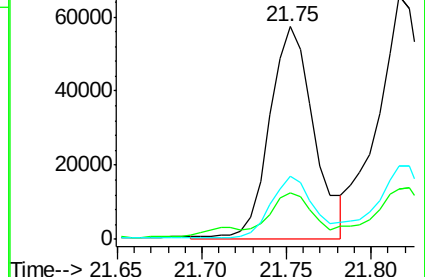
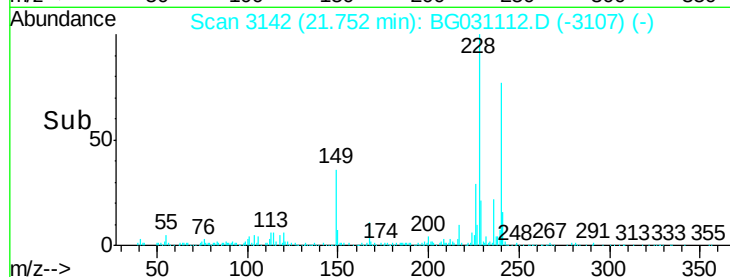
226 29.6 22.1 33.1



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: 4.87 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG031112.D

Acq: 18 Nov 2017 10:13

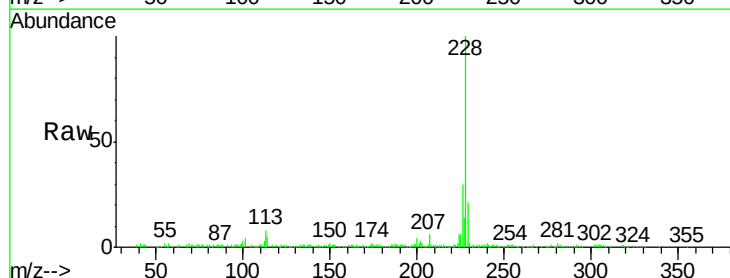
Tgt Ion:228 Resp: 122002

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

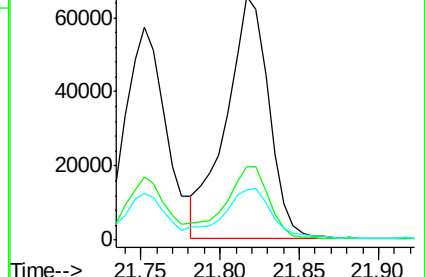
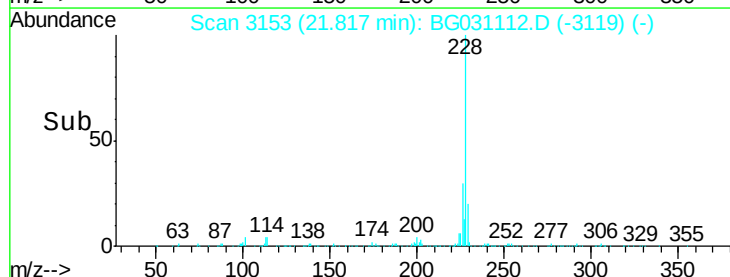
229 20.6 16.6 25.0

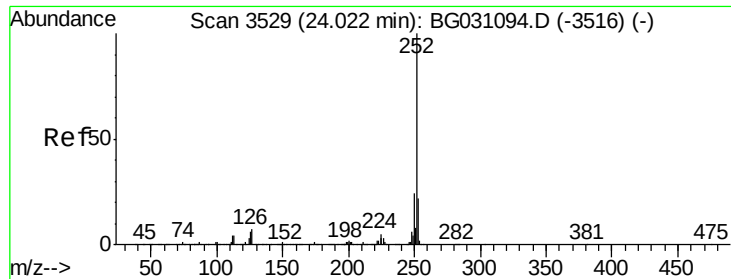


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

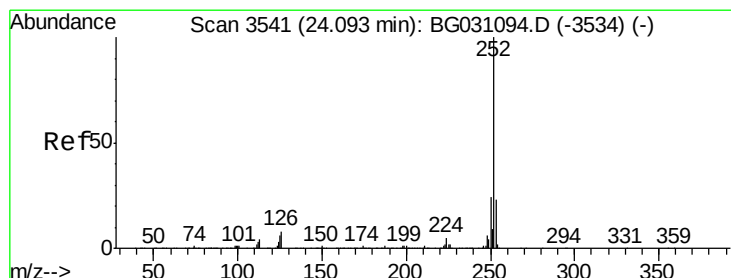
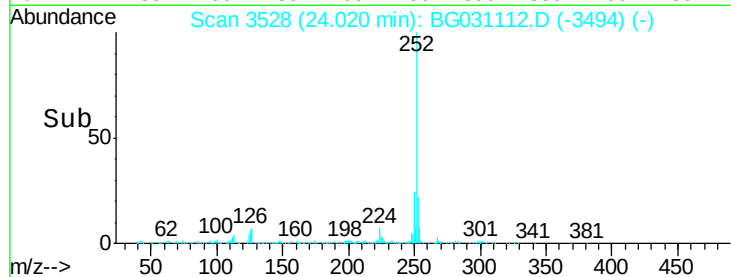
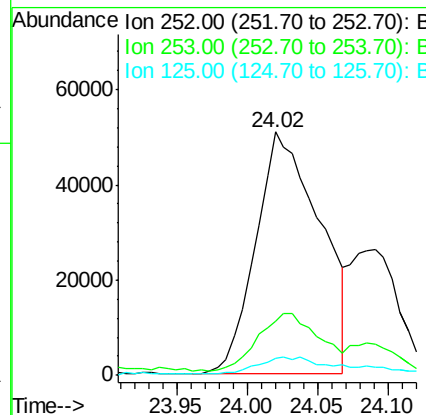
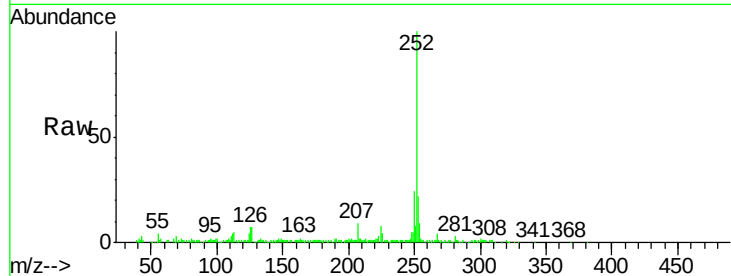




#24
Benzo(b)fluoranthene
Concen: 6.24 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. -0.00 min
Lab File: BG031112.D
Acq: 18 Nov 2017 10:13

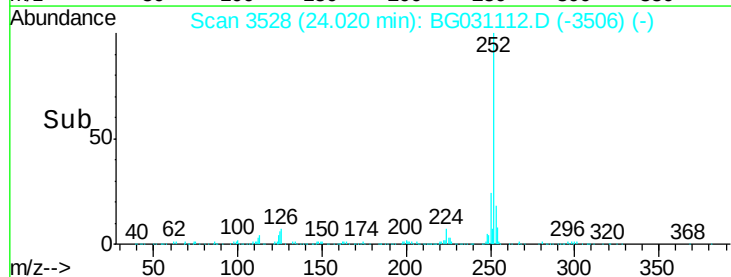
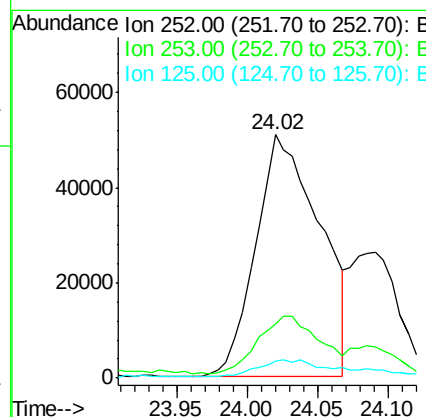
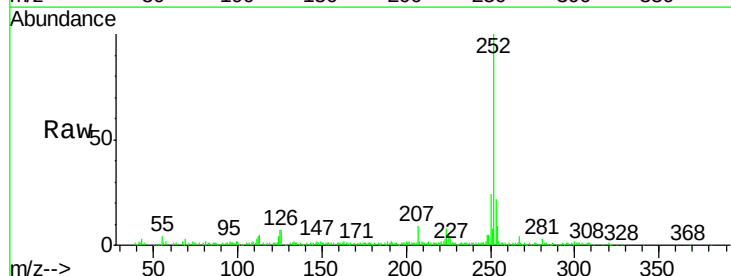
Instrument :
BNA_G
ClientSampleId :
B0FQ6

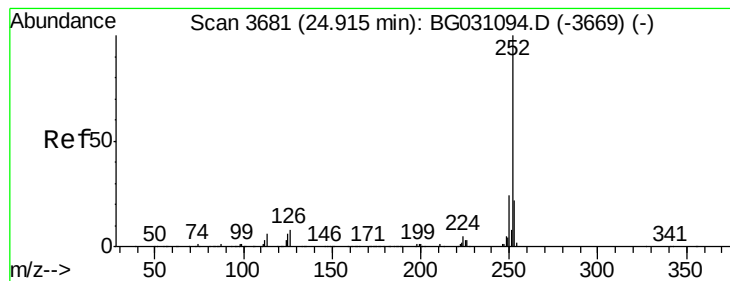
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	6.8	9.4	14.0



#25
Benzo(k)fluoranthene
Concen: 6.33 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. -0.07 min
Lab File: BG031112.D
Acq: 18 Nov 2017 10:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.8	8.8	13.2





#27

Benzo(a)pyrene

Concen: 2.99 ng/ul

RT: 24.77 min Scan# 3655

Delta R.T. -0.15 min

Lab File: BG031112.D

Acq: 18 Nov 2017 10:13

Instrument :

BNA_G

ClientSampleId :

B0FQ6

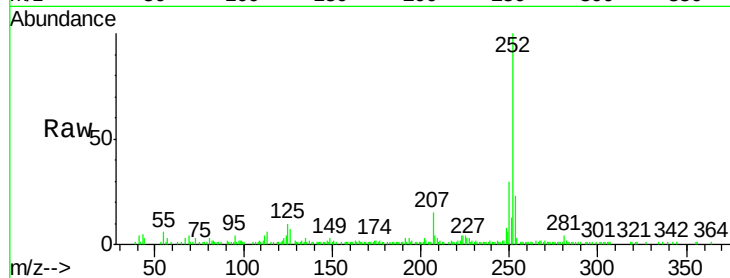
Tgt Ion:252 Resp: 74386

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

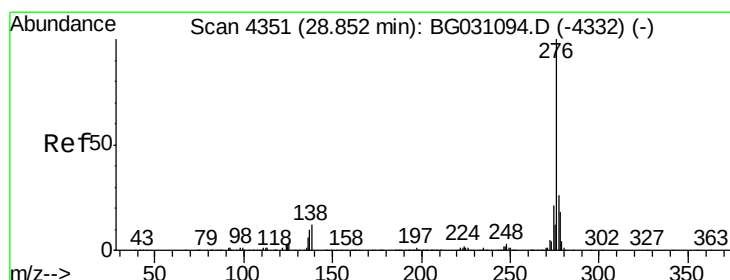
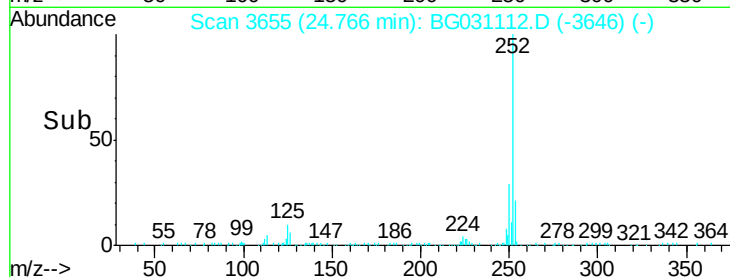
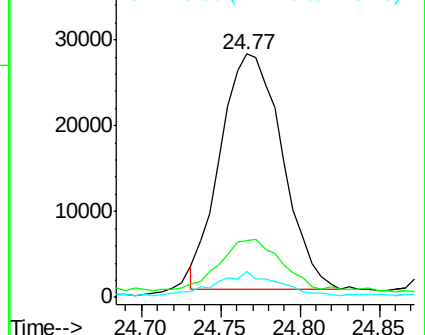
125 10.5 9.4 14.2



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



#28

Indeno(1,2,3-cd)pyrene

Concen: 2.51 ng/ul

RT: 28.86 min Scan# 4351

Delta R.T. 0.00 min

Lab File: BG031112.D

Acq: 18 Nov 2017 10:13

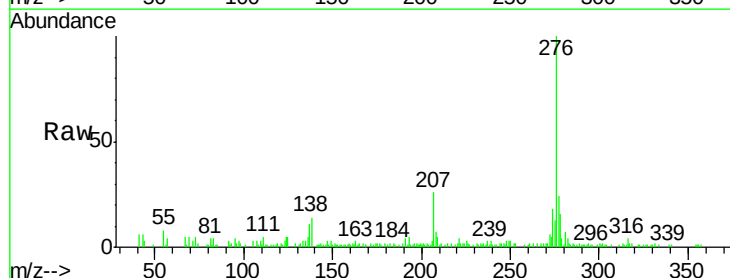
Tgt Ion:276 Resp: 71243

Ion Ratio Lower Upper

276 100

138 14.3 17.8 26.6#

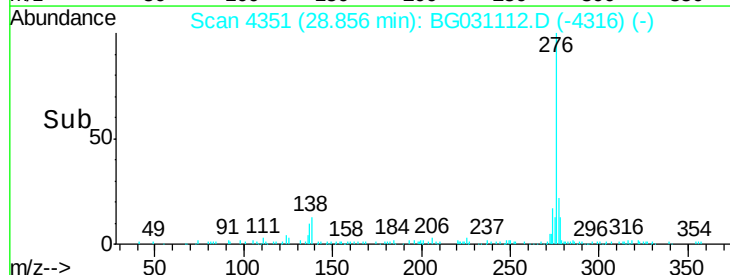
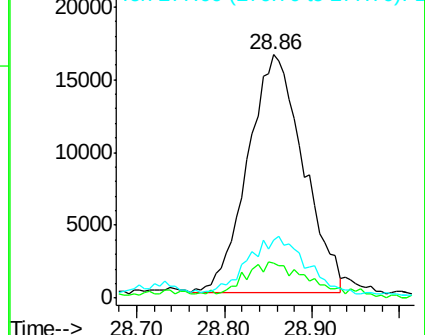
277 23.8 19.4 29.0

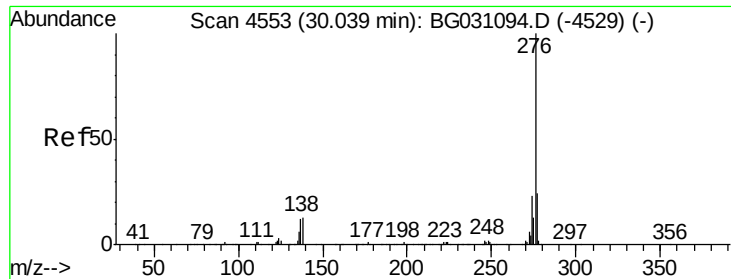


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.49 ng/ul

RT: 30.05 min Scan# 4554

Delta R.T. 0.01 min

Lab File: BG031112.D

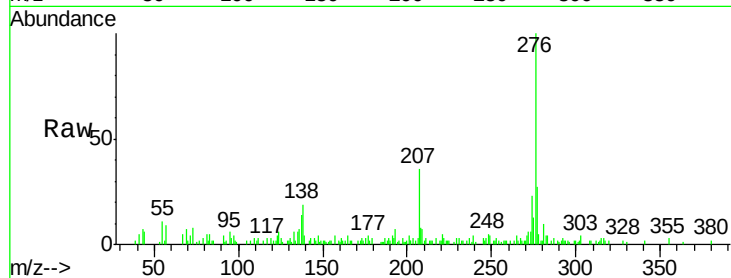
Acq: 18 Nov 2017 10:13

Instrument :

BNA_G

ClientSampleId :

B0FQ6



Tgt Ion:	276	Resp:	58817
Ion	Ratio	Lower	Upper
276	100		
138	18.6	19.0	28.4#
277	26.7	19.7	29.5

