

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
 Data File : BG031246.D
 Acq On : 28 Nov 2017 1:51
 Operator : SJ/JU
 Sample : I6506-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 07:25:50 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 28 07:19:57 2017
 Response via : Initial Calibration

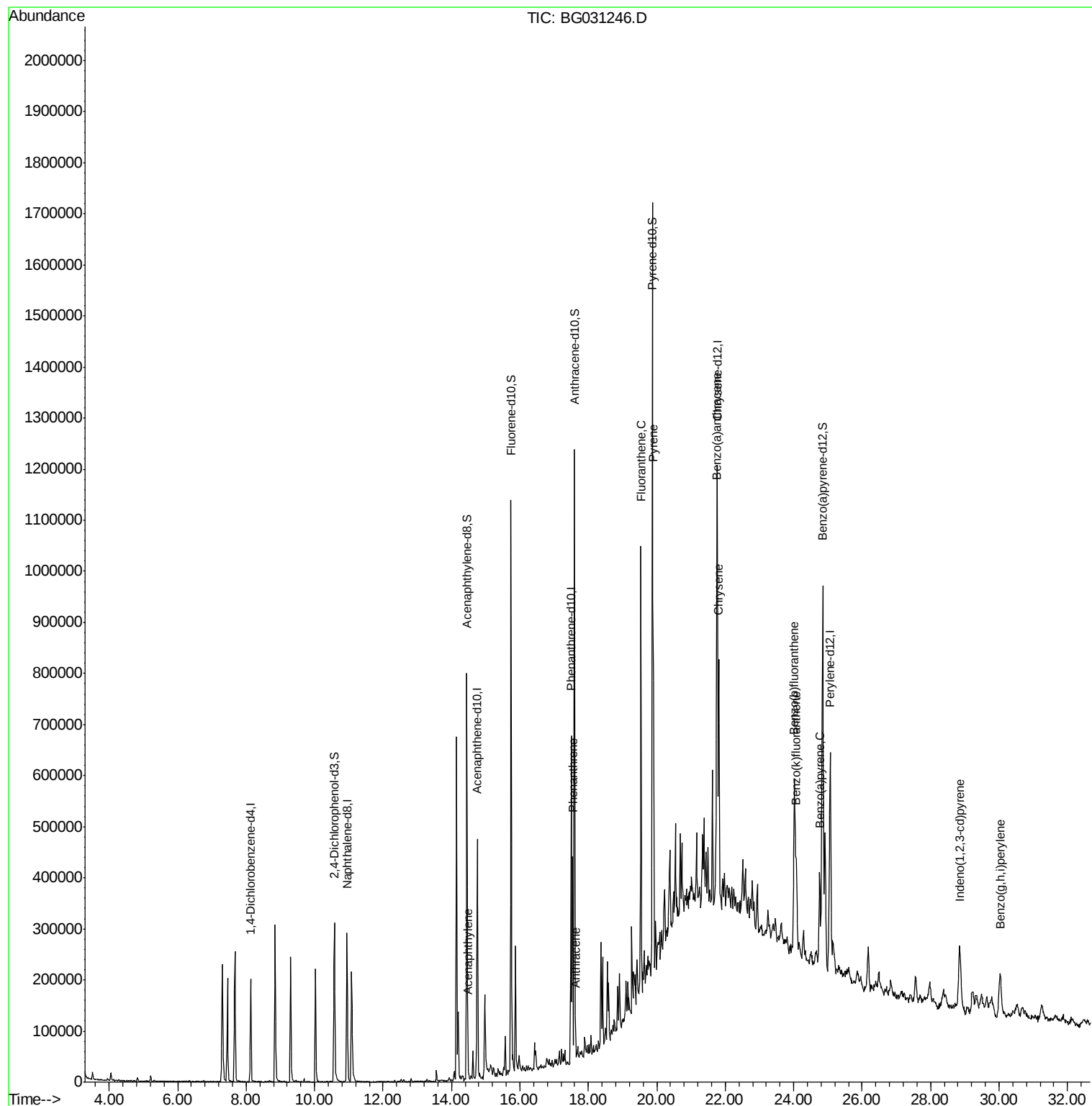
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	60335	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	272309	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.75	164	175928	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	421954	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	453632	20.00	ng/ul	0.00
23) Perylene-d12	25.07	264	464568	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	154899	30.15	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	641160	35.04	ng/ul	0.00
10) Fluorene-d10	15.74	176	484022	32.94	ng/ul	0.00
15) Anthracene-d10	17.59	188	733610	34.74	ng/ul	0.00
19) Pyrene-d10	19.87	212	829929	40.05	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	828524	36.05	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.48	152	23397	1.46	ng/ul	99
14) Phenanthrene	17.54	178	264135	11.66	ng/ul	97
16) Anthracene	17.63	178	29300	1.27	ng/ul	96
17) Fluoranthene	19.54	202	584323	18.54	ng/ul#	90
20) Pyrene	19.90	202	581488	24.15	ng/ul#	90
21) Benzo(a)anthracene	21.75	228	303491	10.98	ng/ul	97
22) Chrysene	21.81	228	374289	14.24	ng/ul	99
24) Benzo(b)fluoranthene	24.02	252	442868	15.78	ng/ul	97
25) Benzo(k)fluoranthene	24.07	252	143944	5.21	ng/ul	96
27) Benzo(a)pyrene	24.76	252	206145	7.66	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.85	276	214675	7.00	ng/ul#	90
30) Benzo(a,h,i)perylene	30.03	276	174680	6.84	ng/ul#	93

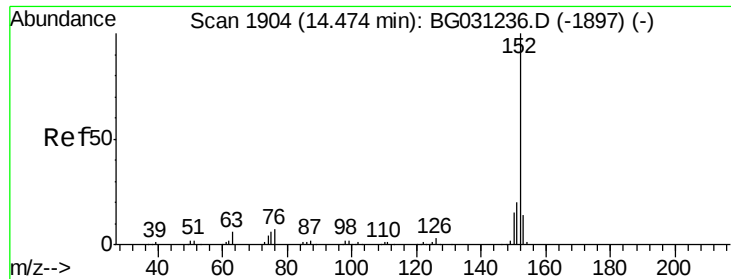
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.46 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. 0.01 min

Lab File: BG031246.D

Acq: 28 Nov 2017 1:51

Instrument :

BNA_G

ClientSampleId :

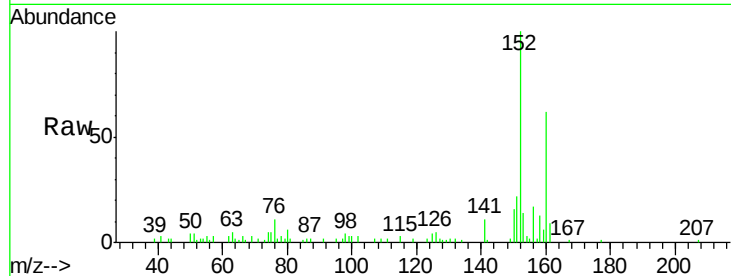
Tot Ion:152 Resp: 23397

Ion Ratio Lower Upper

152 100

151 22.2 17.5 26.3

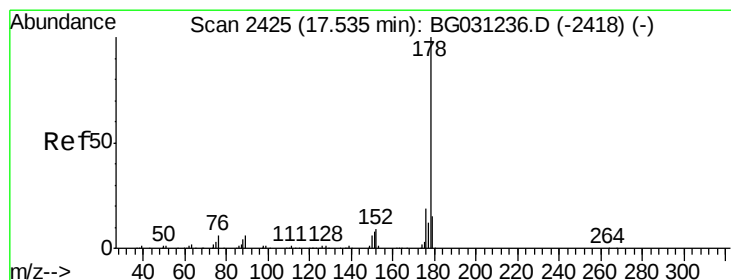
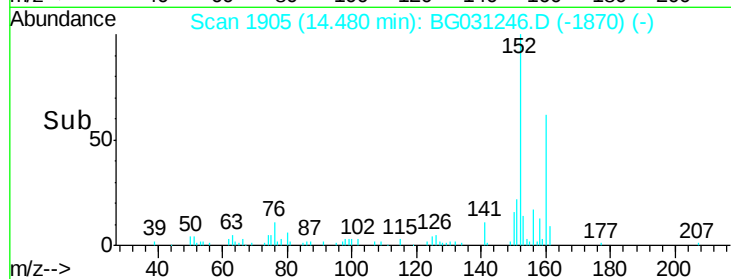
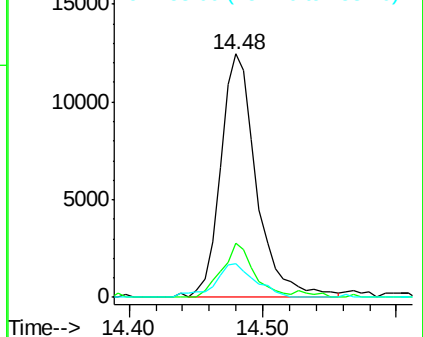
153 13.9 10.6 16.0



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



#14

Phenanthrene

Concen: 11.66 ng/ul

RT: 17.54 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG031246.D

Acq: 28 Nov 2017 1:51

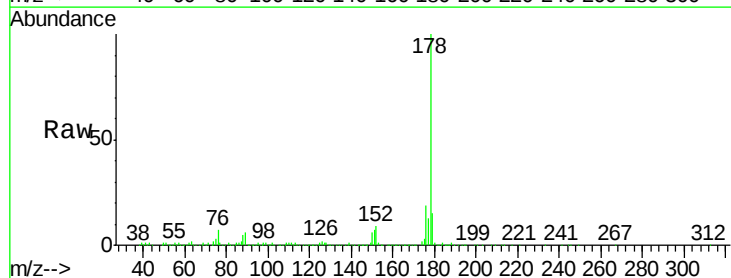
Tgt Ion:178 Resp: 264135

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.4

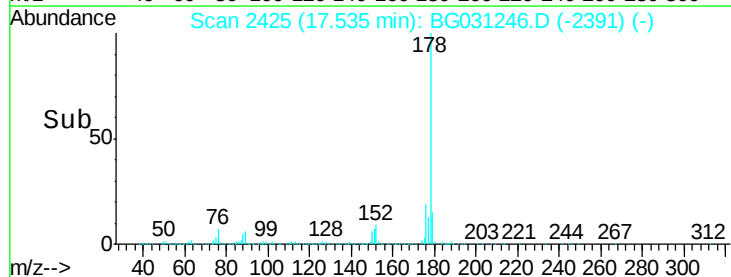
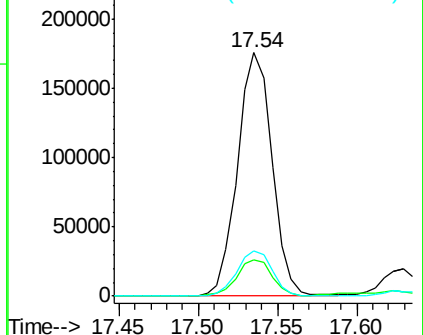
176 18.6 16.4 24.6

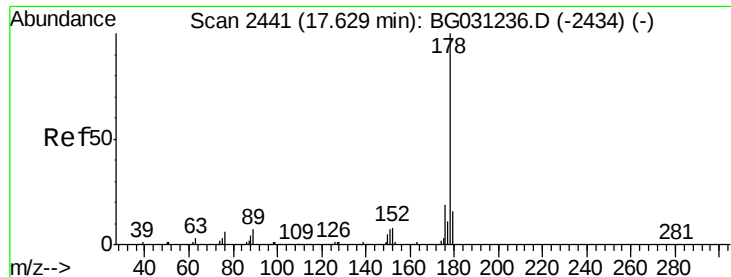


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

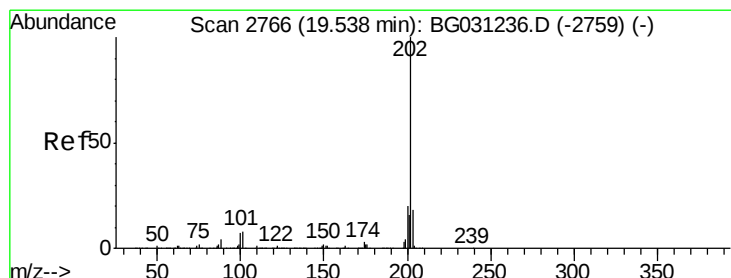
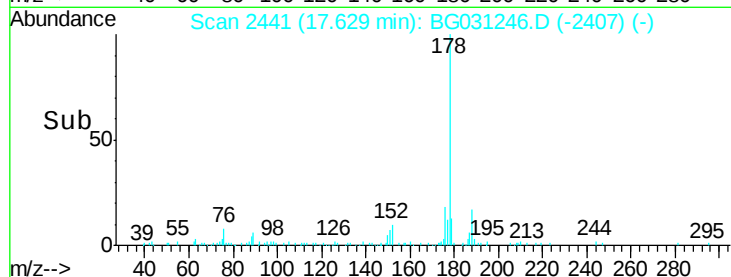
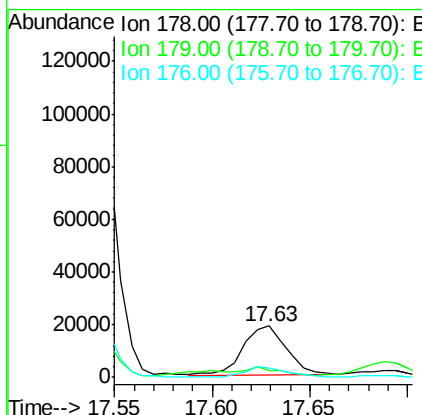
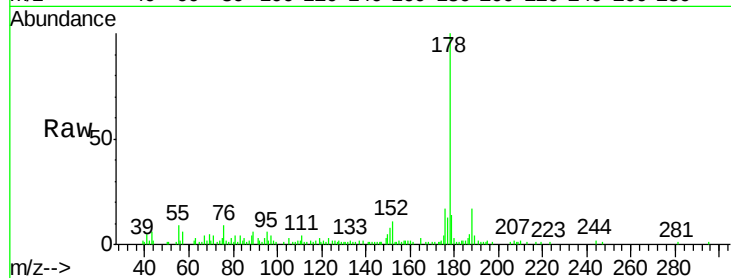




#16
 Anthracene
 Concen: 1.27 ng/ul
 RT: 17.63 min Scan# 2441
 Delta R.T. 0.00 min
 Lab File: BG031246.D
 Acq: 28 Nov 2017 1:51

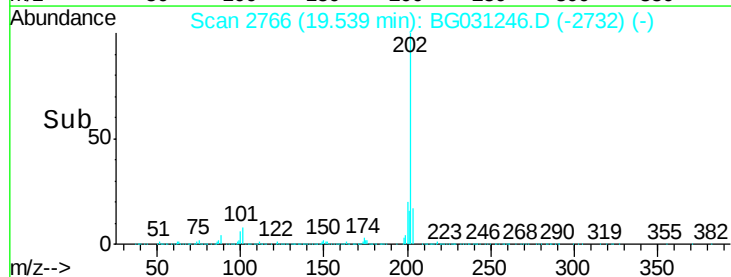
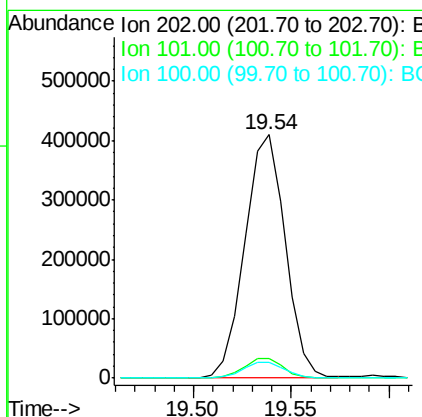
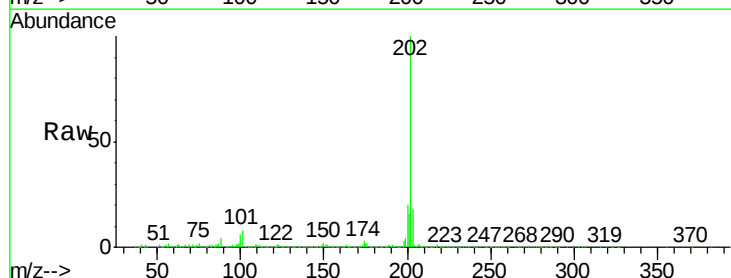
Instrument :
 BNA_G
 ClientSampleId :

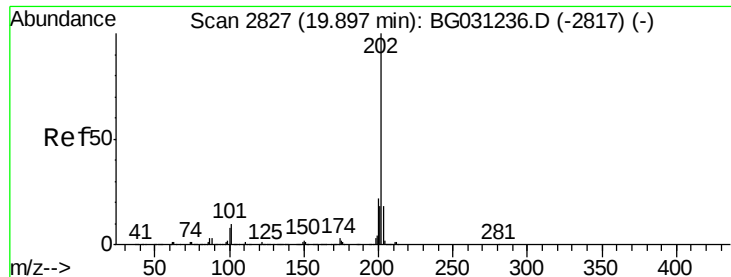
Tot Ion:178 Resp: 29300
 Ion Ratio Lower Upper
 178 100
 179 14.4 12.7 19.1
 176 17.4 15.8 23.8



#17
 Fluoranthene
 Concen: 18.54 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: BG031246.D
 Acq: 28 Nov 2017 1:51

Tgt Ion:202 Resp: 584323
 Ion Ratio Lower Upper
 202 100
 101 7.9 9.8 14.8#
 100 6.2 7.5 11.3#

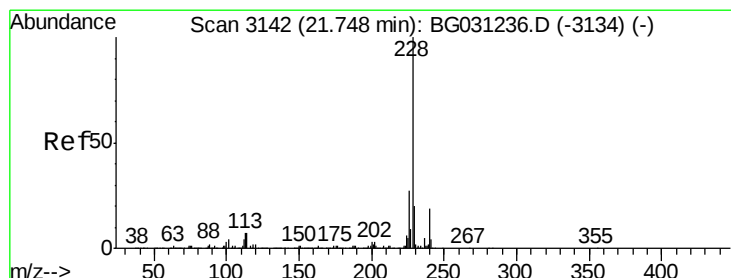
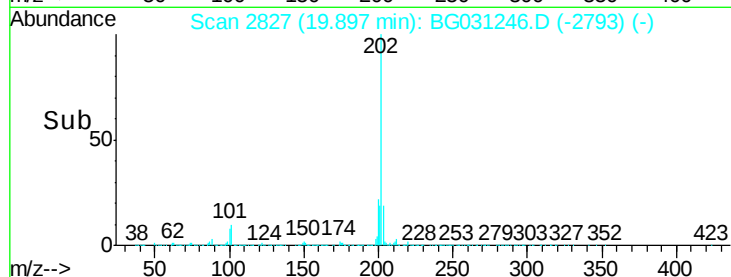
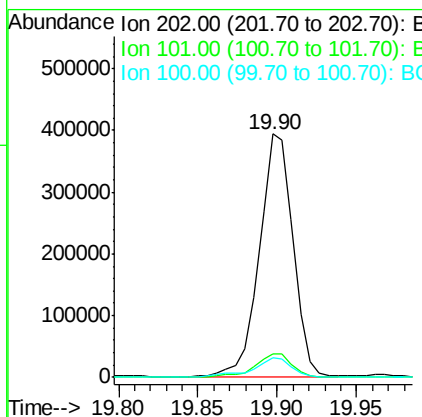
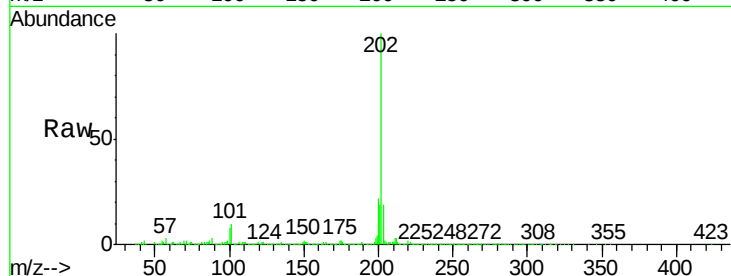




#20
Pvrene
Concen: 24.15 ng/ul
RT: 19.90 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BG031246.D
Acq: 28 Nov 2017 1:51

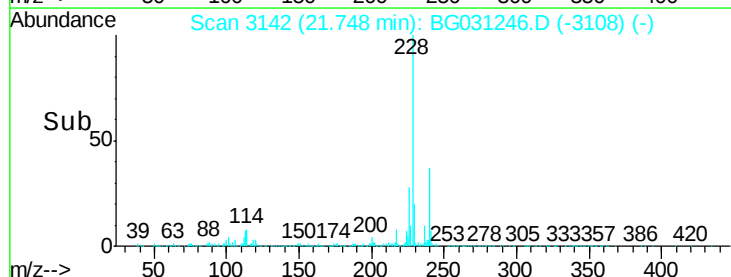
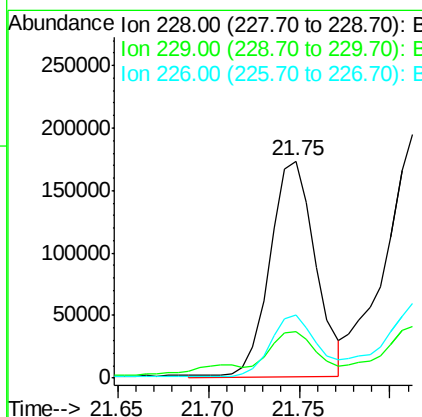
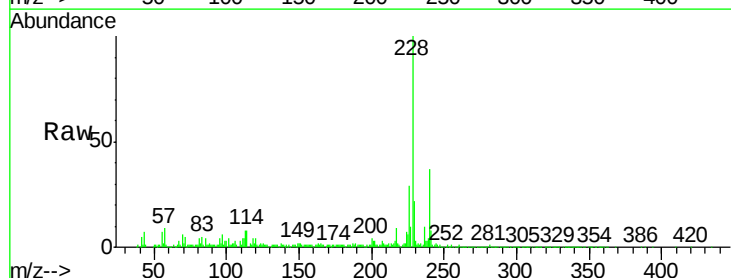
Instrument :
BNA_G
ClientSampled :

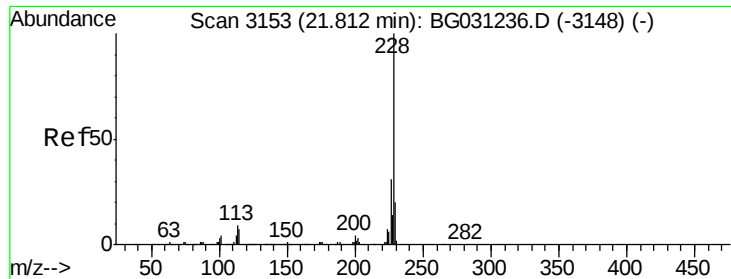
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	11.2	16.8#
100	8.0	9.8	14.6#



#21
Benzo(a)anthracene
Concen: 10.98 ng/ul
RT: 21.75 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG031246.D
Acq: 28 Nov 2017 1:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.9	23.9
226	28.9	22.1	33.1





#22

Chrysene

Concen: 14.24 ng/ul

RT: 21.81 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG031246.D

Acq: 28 Nov 2017 1:51

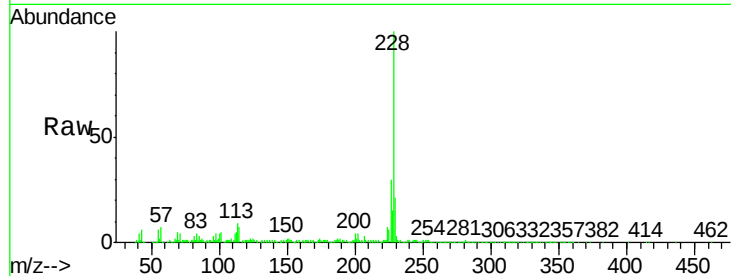
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 374289

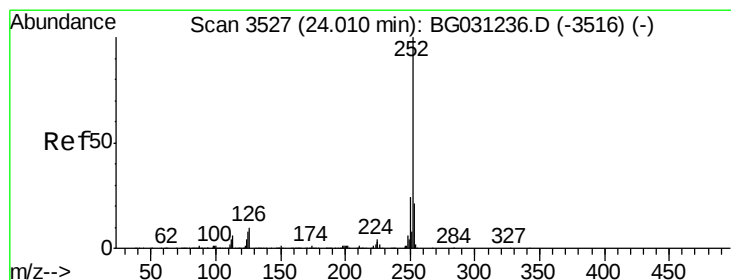
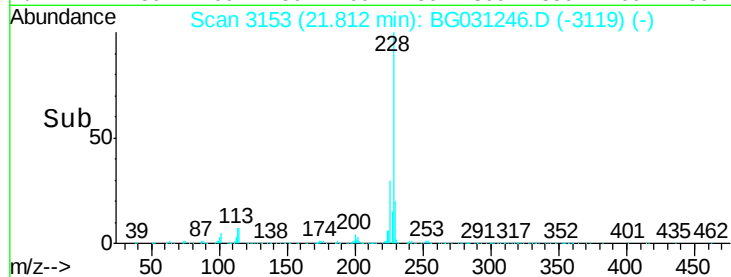
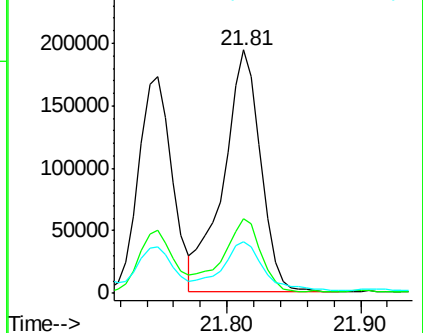
Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.0	16.6	25.0



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: 15.78 ng/ul

RT: 24.02 min Scan# 3528

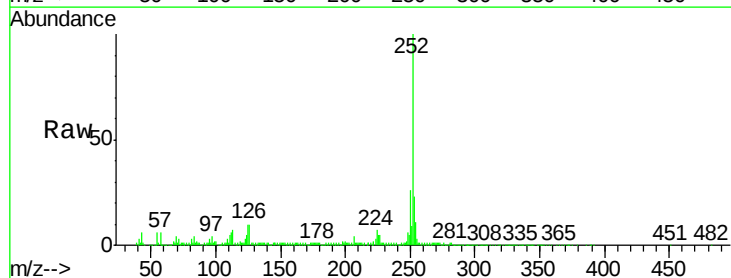
Delta R.T. 0.01 min

Lab File: BG031246.D

Acq: 28 Nov 2017 1:51

Tgt Ion:252 Resp: 442868

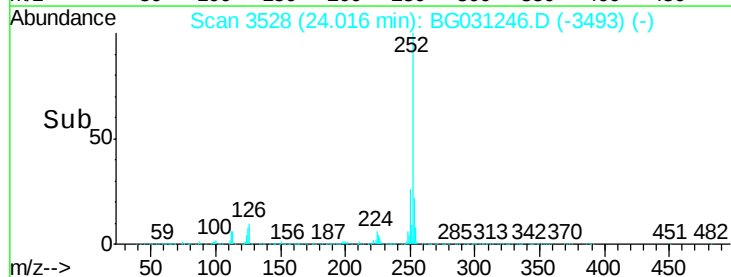
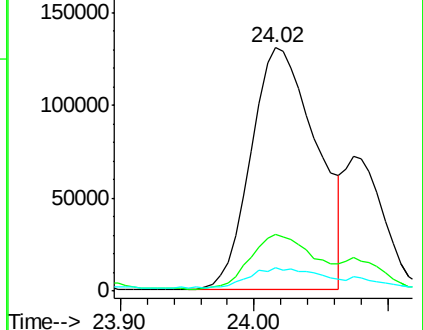
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	9.6	9.4	14.0

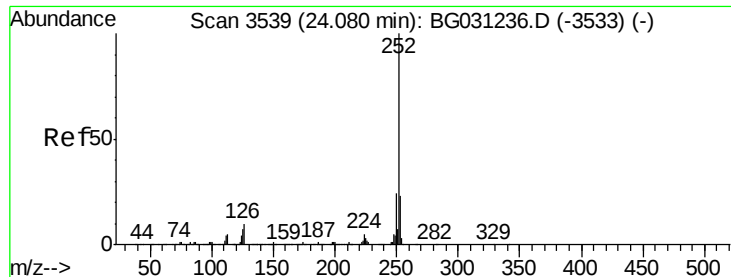


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 5.21 ng/ul

RT: 24.07 min Scan# 3538

Delta R.T. -0.01 min

Lab File: BG031246.D

Acq: 28 Nov 2017 1:51

Instrument :

BNA_G

ClientSampleId :

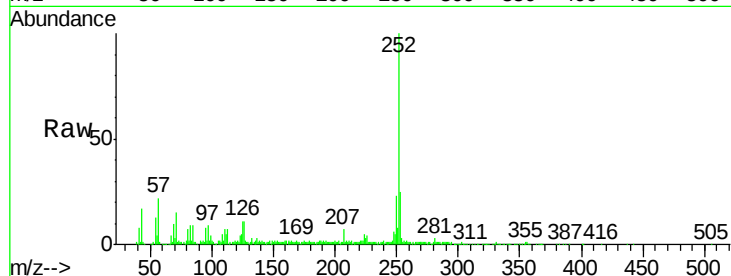
Tot Ion:252 Resp: 143944

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.2

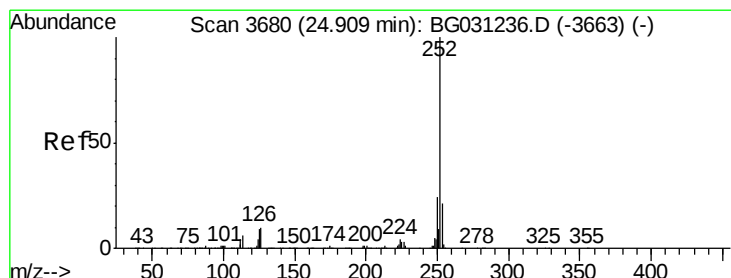
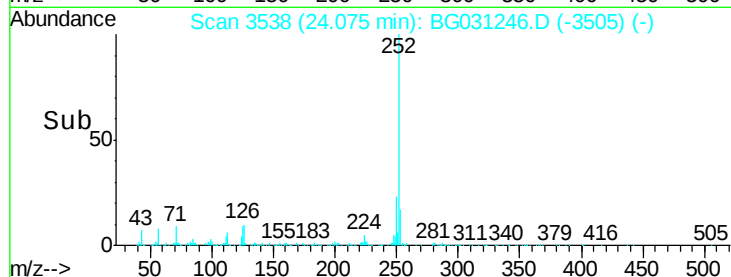
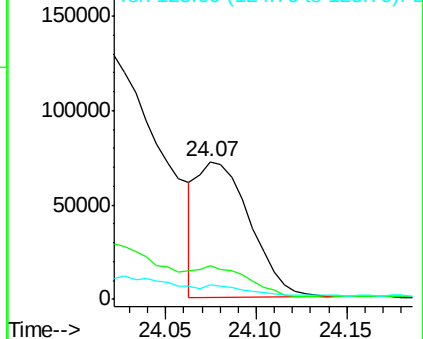
125 10.6 8.8 13.2



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: 7.66 ng/ul

RT: 24.76 min Scan# 3654

Delta R.T. -0.15 min

Lab File: BG031246.D

Acq: 28 Nov 2017 1:51

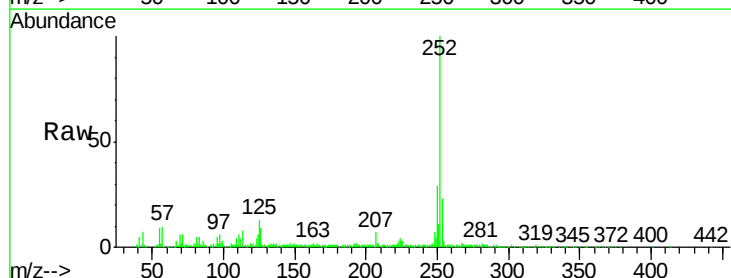
Tgt Ion:252 Resp: 206145

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

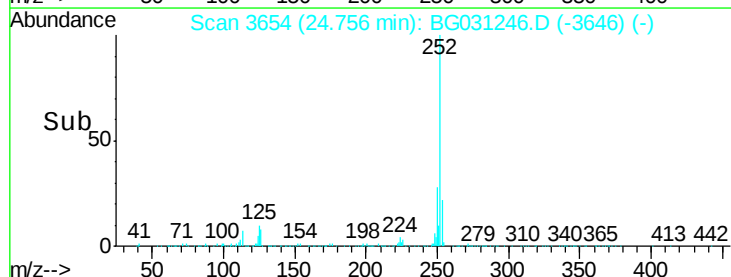
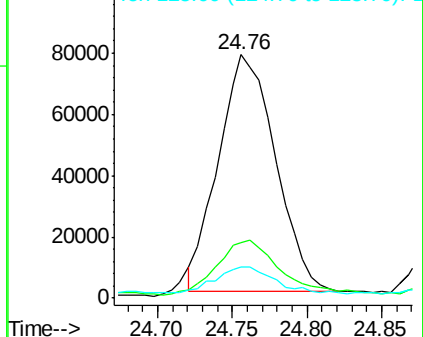
125 12.6 9.4 14.2

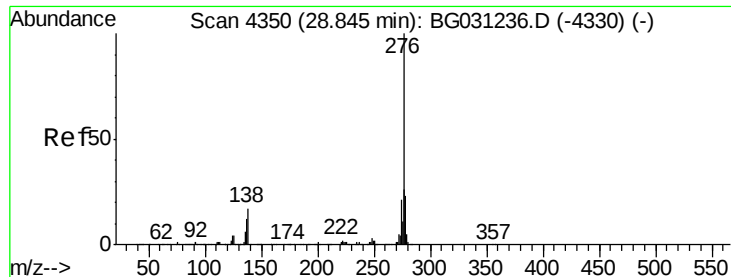


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



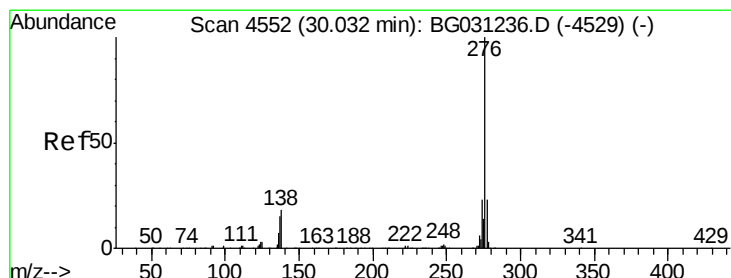
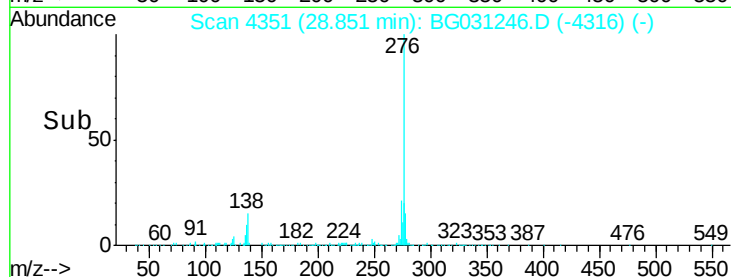
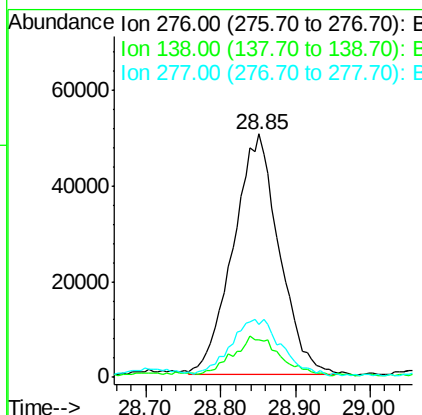
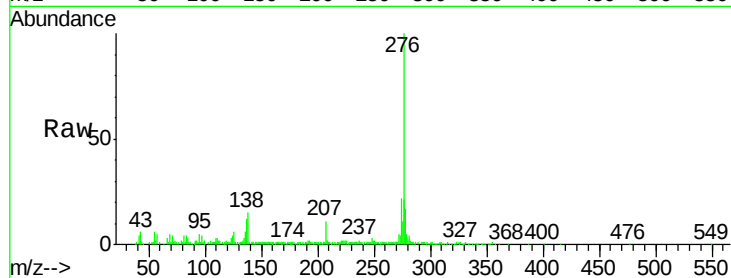


#28

Indeno(1,2,3-cd)pyrene
Concen: 7.00 ng/ul
RT: 28.85 min Scan# 4351
Delta R.T. 0.01 min
Lab File: BG031246.D
Acq: 28 Nov 2017 1:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	17.8	26.6#
277	21.5	19.4	29.0



#30

Benzo(g,h,i)perylene
Concen: 6.84 ng/ul
RT: 30.03 min Scan# 4552
Delta R.T. 0.00 min
Lab File: BG031246.D
Acq: 28 Nov 2017 1:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	19.0	28.4#
277	24.8	19.7	29.5

