

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031134.D
 Acq On : 20 Nov 2017 17:14
 Operator : SJ/JU
 Sample : I6475-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0G26

Quant Time: Nov 21 05:44:35 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 21 05:01:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	62543	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	299152	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	198945	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	464191	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	485331	20.00	ng/ul	-0.01
23) Perylene-d12	25.07	264	488444	20.00	ng/ul	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.58	165	158447	28.07	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	687491	33.23	ng/ul	0.00
10) Fluorene-d10	15.75	176	504429	30.35	ng/ul	0.00
15) Anthracene-d10	17.59	188	754585	32.48	ng/ul	0.00
19) Pyrene-d10	19.87	212	849591	38.32	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.85	264	823160	34.06	ng/ul	-0.03

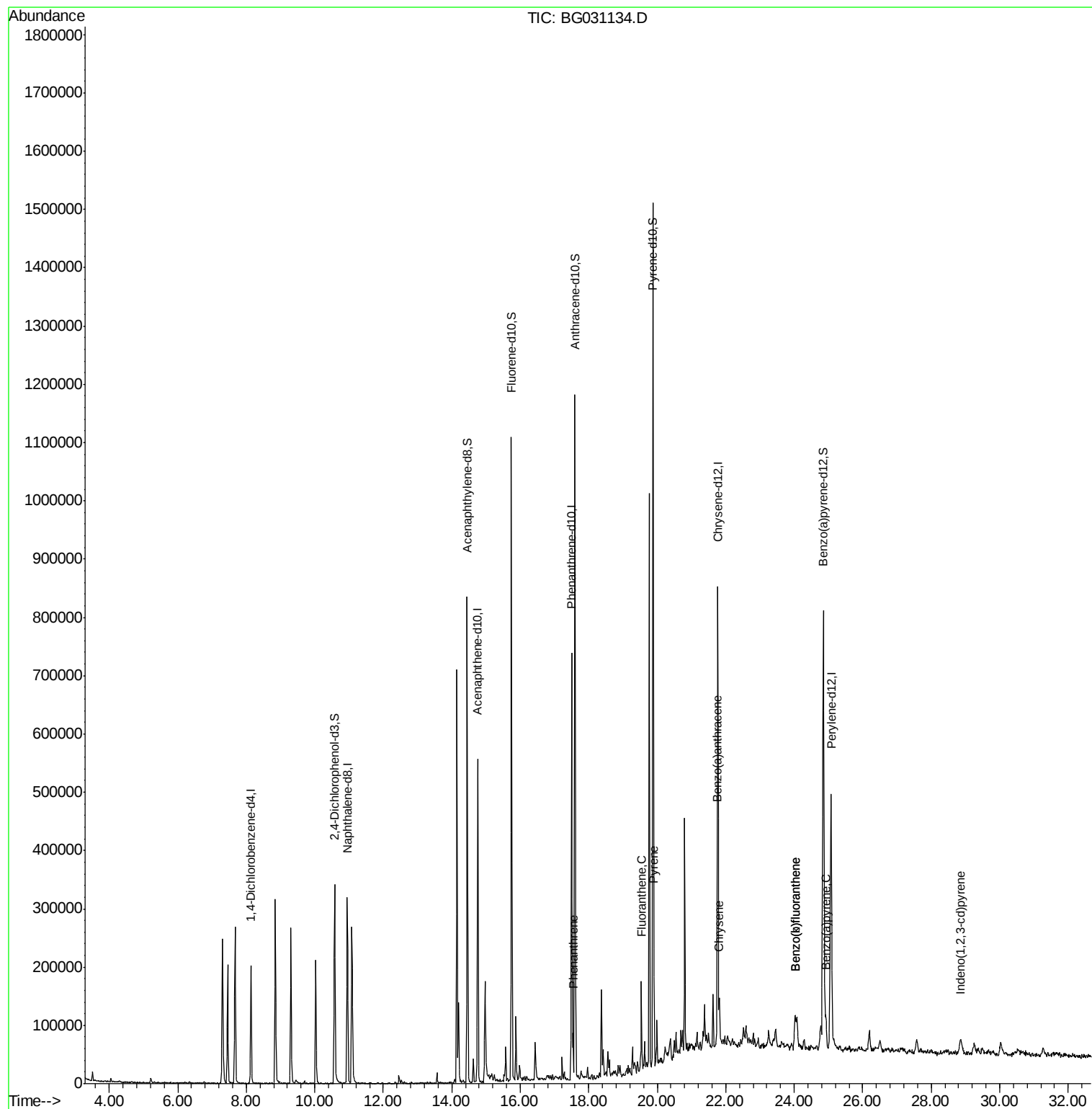
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Phenanthrene	17.54	178	47498	1.91	ng/ul	97
17) Fluoranthene	19.54	202	95492	2.75	ng/ul#	91
20) Pyrene	19.90	202	117100	4.55	ng/ul#	87
21) Benzo(a)anthracene	21.75	228	58039	1.96	ng/ul	97
22) Chrysene	21.81	228	66458	2.36	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	73897	2.50	ng/ul#	97
25) Benzo(k)fluoranthene	24.02	252	73897	2.54	ng/ul#	97
27) Benzo(a)pyrene	24.92	252	62969	2.23	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.86	276	39844	1.24	ng/ul	94

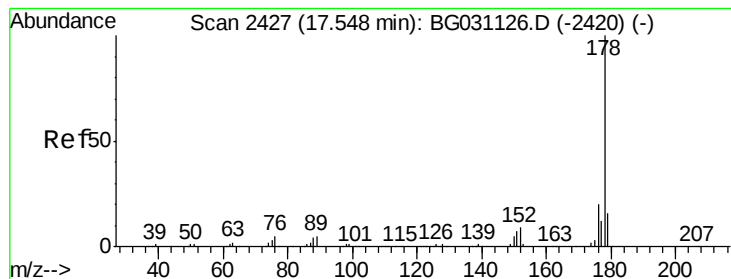
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#14

Phenanthrene

Concen: 1.91 ng/ul

RT: 17.54 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

Instrument :

BNA_G

ClientSampleId :

B0G26

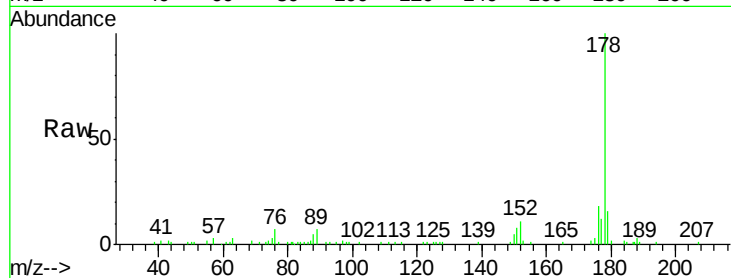
Tot Ion:178 Resp: 47498

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

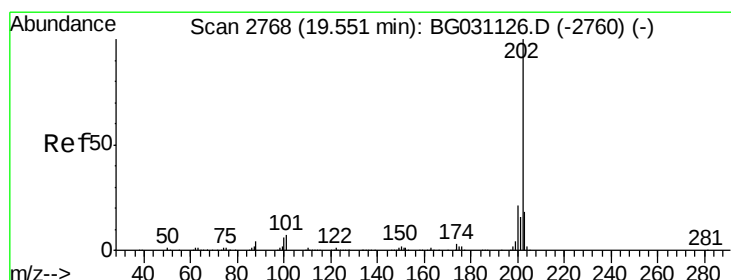
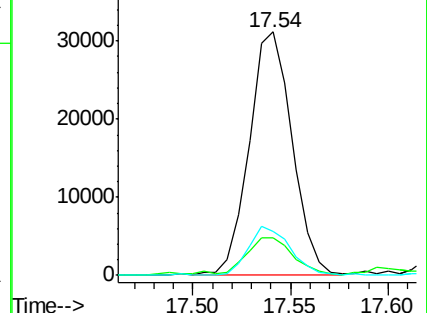
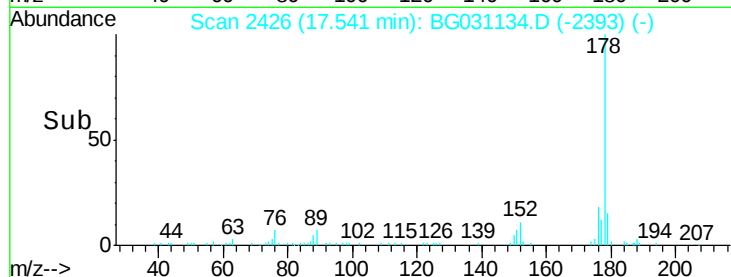
176 18.1 16.4 24.6



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



#17

Fluoranthene

Concen: 2.75 ng/ul

RT: 19.54 min Scan# 2766

Delta R.T. -0.01 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

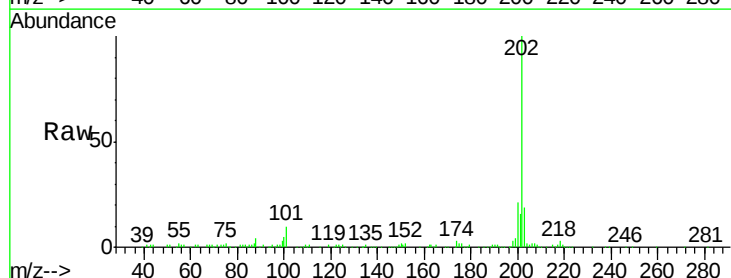
Tgt Ion:202 Resp: 95492

Ion Ratio Lower Upper

202 100

101 9.5 9.8 14.8#

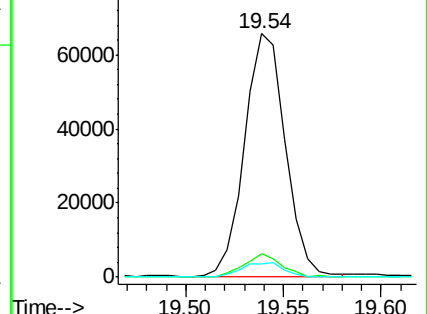
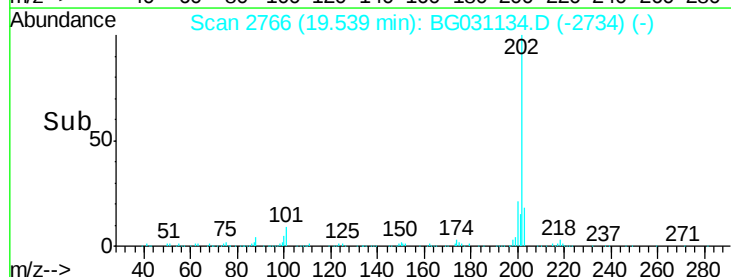
100 5.3 7.5 11.3#

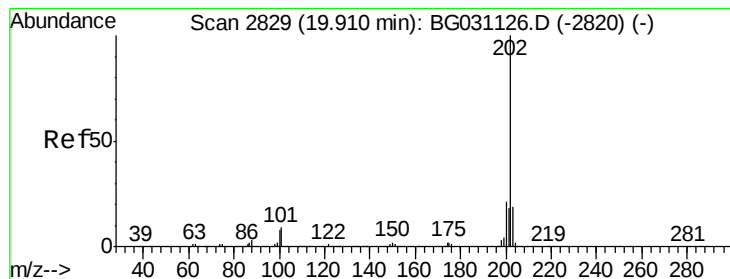


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Pvrene

Concen: 4.55 ng/ul

RT: 19.90 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

Instrument :

BNA_G

ClientSampled :

B0G26

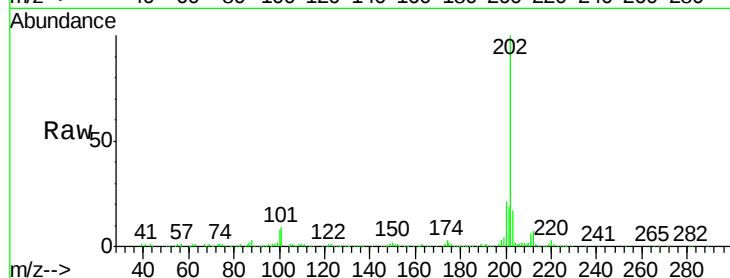
Tot Ion:202 Resp: 117100

Ion Ratio Lower Upper

202 100

101 8.7 11.2 16.8#

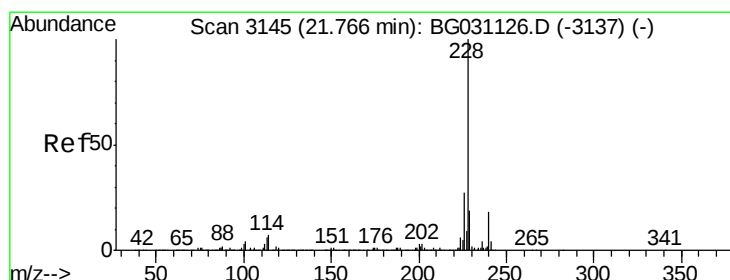
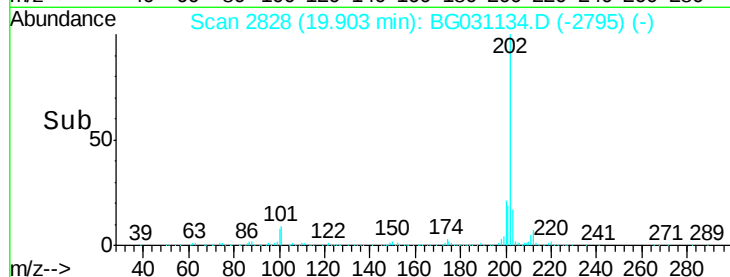
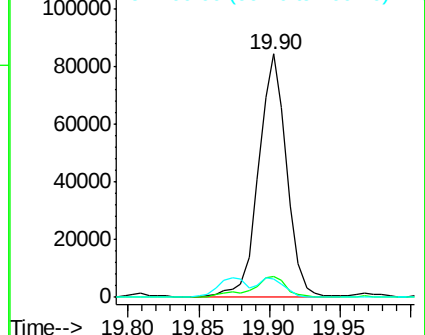
100 7.5 9.8 14.6#



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): E



#21

Benzo(a)anthracene

Concen: 1.96 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. -0.02 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

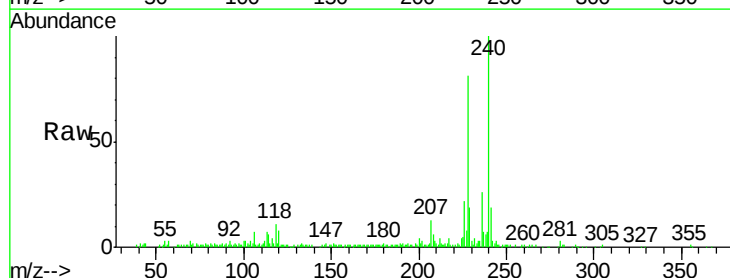
Tgt Ion:228 Resp: 58039

Ion Ratio Lower Upper

228 100

229 23.0 15.9 23.9

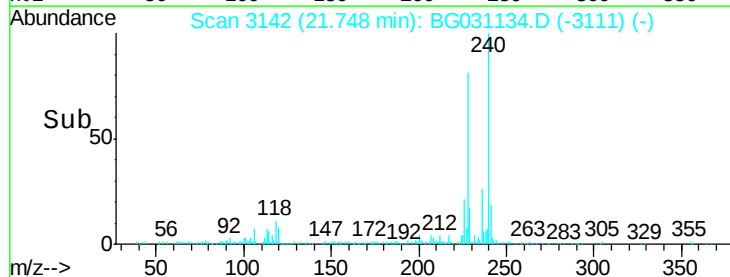
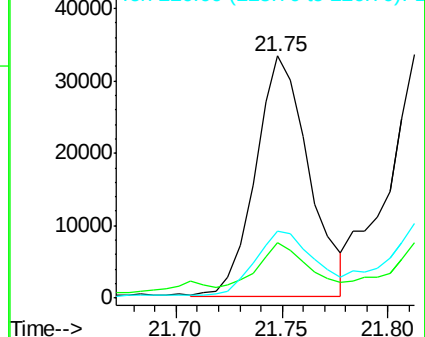
226 27.4 22.1 33.1

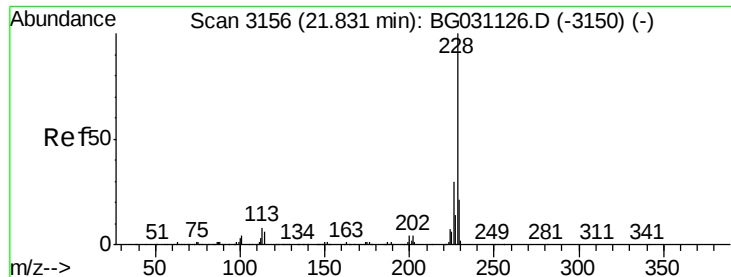


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 2.36 ng/ul

RT: 21.81 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

Instrument :

BNA_G

ClientSampleId :

B0G26

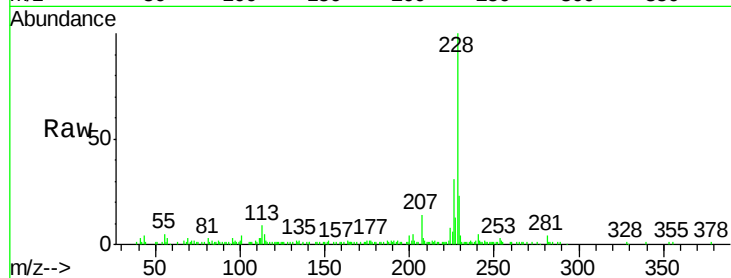
Tot Ion:228 Resp: 66458

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

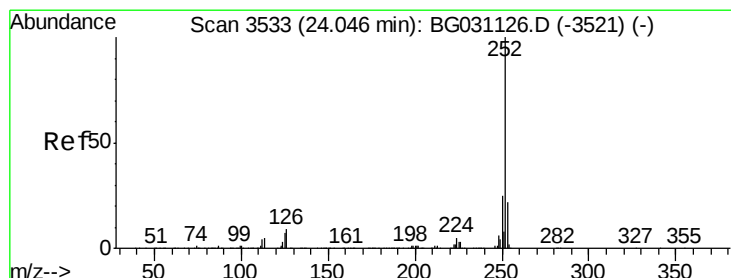
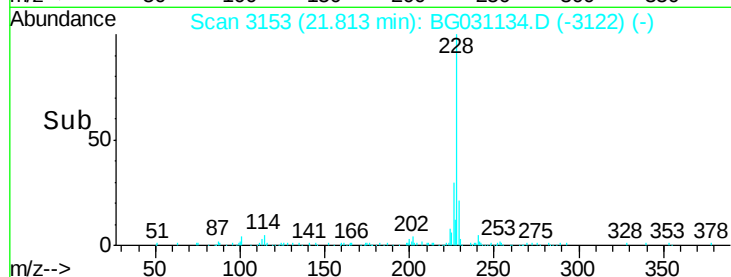
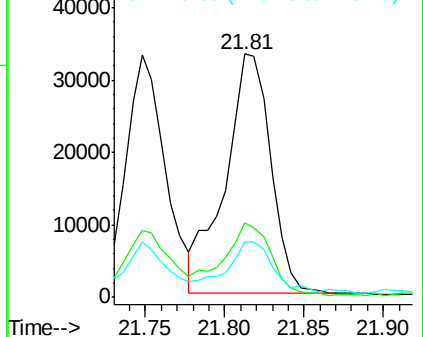
229 22.6 16.6 25.0



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: 2.50 ng/ul

RT: 24.02 min Scan# 3529

Delta R.T. -0.02 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

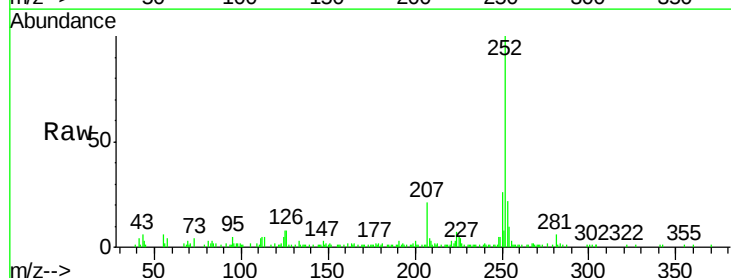
Tgt Ion:252 Resp: 73897

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

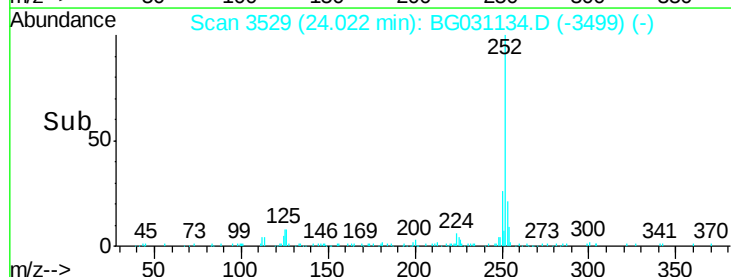
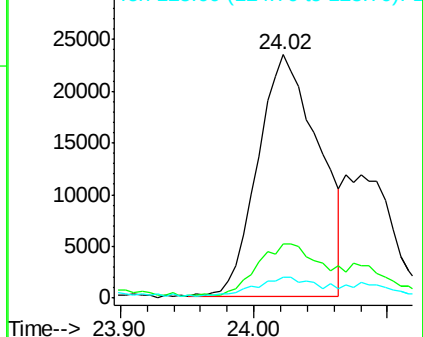
125 8.5 9.4 14.0#

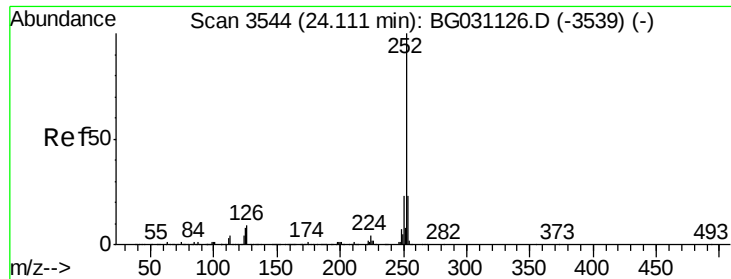


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

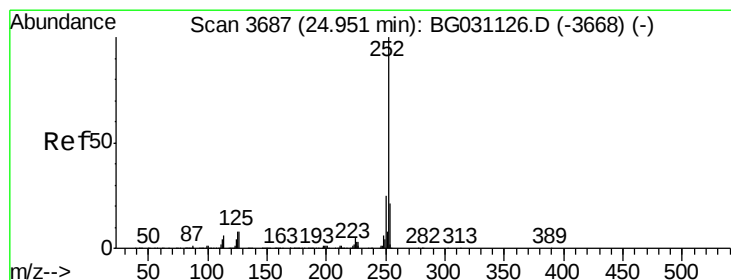
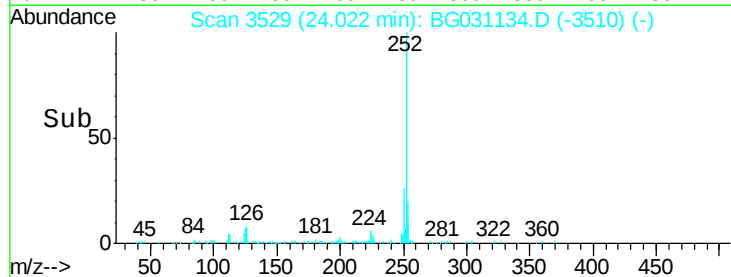
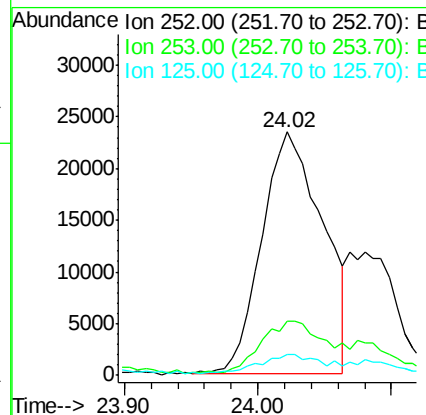
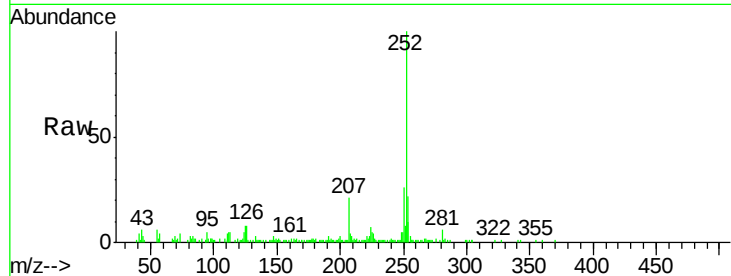




#25
Benzo(k)fluoranthene
Concen: 2.54 ng/ul
RT: 24.02 min Scan# 3529
Delta R.T. -0.09 min
Lab File: BG031134.D
Acq: 20 Nov 2017 17:14

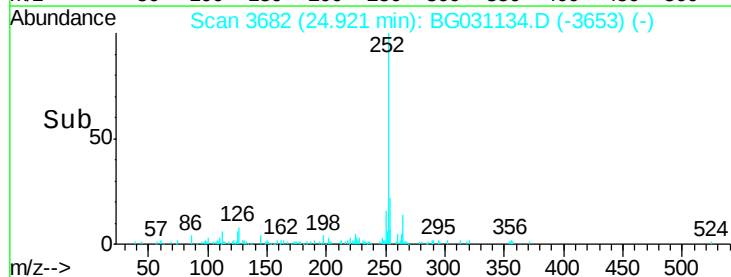
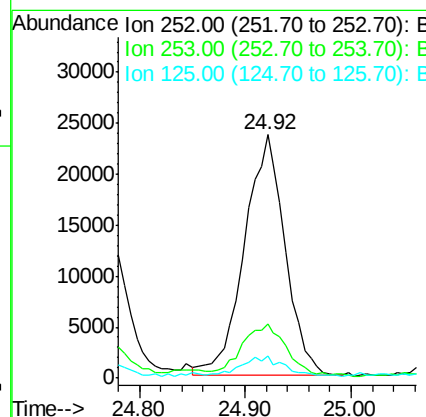
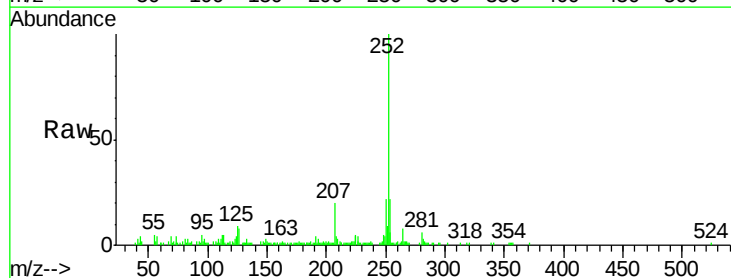
Instrument :
BNA_G
ClientSampleId :
B0G26

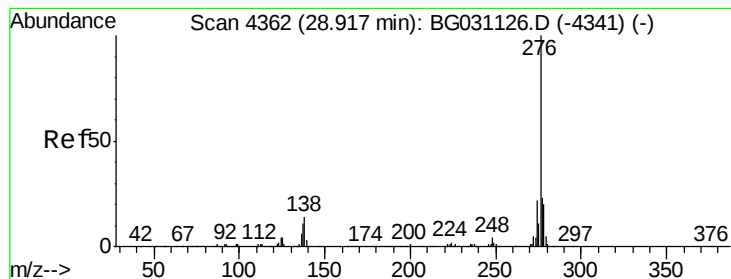
Tot Ion:252 Resp: 73897
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 8.5 8.8 13.2#



#27
Benzo(a)pyrene
Concen: 2.23 ng/ul
RT: 24.92 min Scan# 3682
Delta R.T. -0.03 min
Lab File: BG031134.D
Acq: 20 Nov 2017 17:14

Tgt Ion:252 Resp: 62969
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 9.0 9.4 14.2#





#28

Indeno(1,2,3-cd)pyrene

Concen: 1.24 ng/ul

RT: 28.86 min Scan# 4352

Delta R.T. -0.06 min

Lab File: BG031134.D

Acq: 20 Nov 2017 17:14

Instrument :

BNA_G

ClientSampleId :

B0G26

Tot Ion:276 Resp: 39844

Ion Ratio Lower Upper

276 100

138 18.2 17.8 26.6

277 25.9 19.4 29.0

