

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112017\
 Data File : BG031133.D
 Acq On : 20 Nov 2017 16:37
 Operator : SJ/JU
 Sample : I6475-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0G24

Quant Time: Nov 21 05:44:26 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	8.14	152	57242	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	266966	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	180605	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.50	188	423825	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	435036	20.00	ng/ul	-0.02
23) Perylene-d12	25.07	264	436556	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	96428	19.14	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	441886	23.53	ng/ul	0.00
10) Fluorene-d10	15.75	176	327952	21.74	ng/ul	0.00
15) Anthracene-d10	17.60	188	503632	23.74	ng/ul	0.00
19) Pyrene-d10	19.87	212	585474	29.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	540837	25.04	ng/ul	-0.04

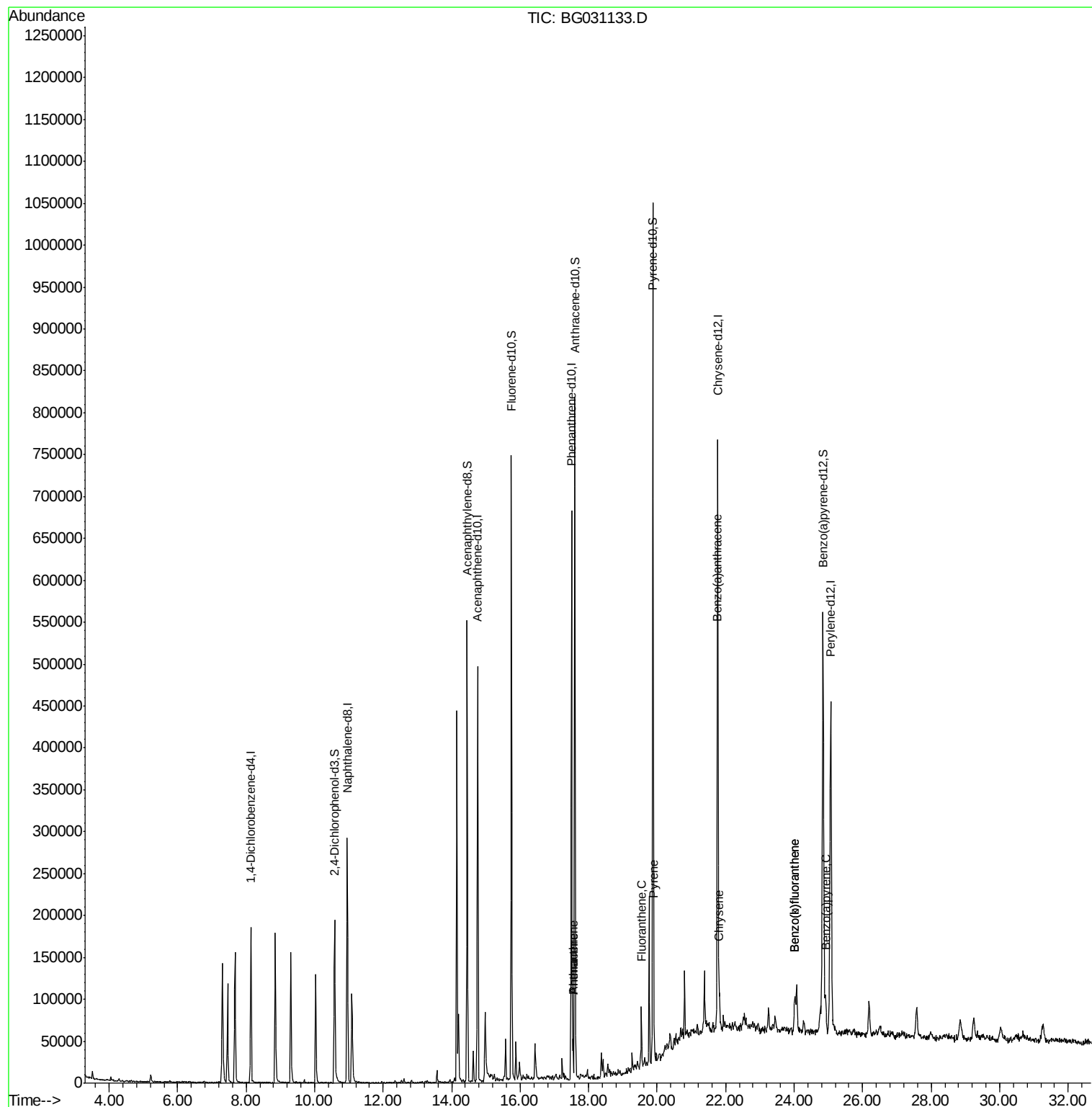
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Phenanthrene	17.54	178	27868	1.23	ng/ul	96
16) Anthracene	17.54	178	27868	1.21	ng/ul	96
17) Fluoranthene	19.54	202	48273	1.53	ng/ul#	90
20) Pyrene	19.90	202	51733	2.24	ng/ul#	85
21) Benzo(a)anthracene	21.75	228	35679	1.35	ng/ul	98
22) Chrysene	21.82	228	36072	1.43	ng/ul	98
24) Benzo(b)fluoranthene	24.01	252	60141	2.28	ng/ul#	96
25) Benzo(k)fluoranthene	24.01	252	60141	2.31	ng/ul#	96
27) Benzo(a)pyrene	24.91	252	50647	2.00	ng/ul#	96

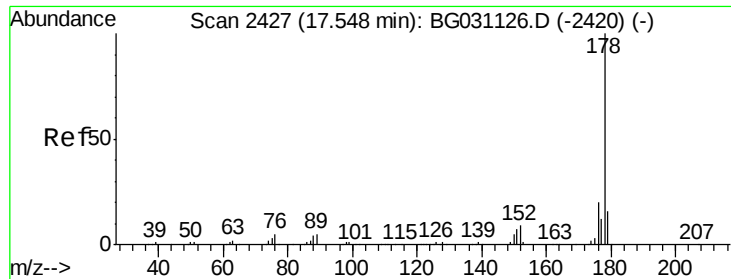
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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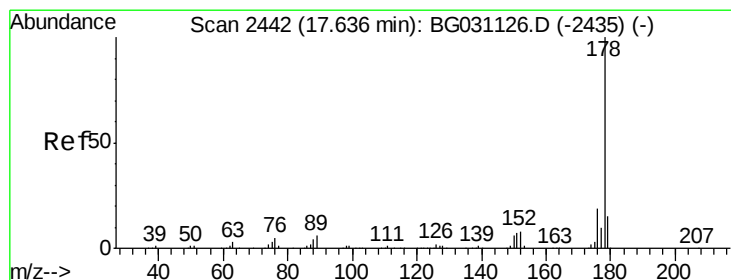
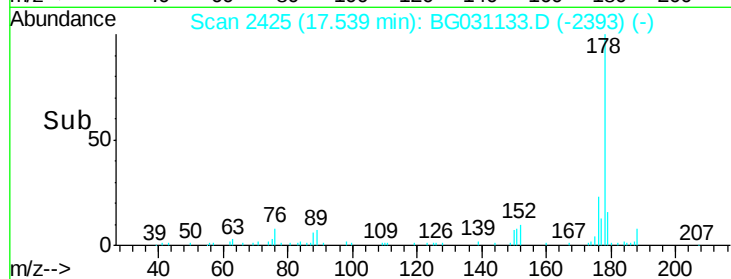
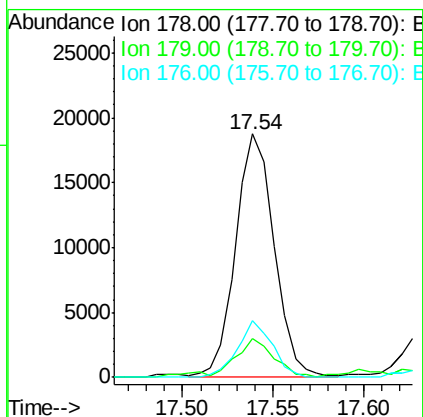
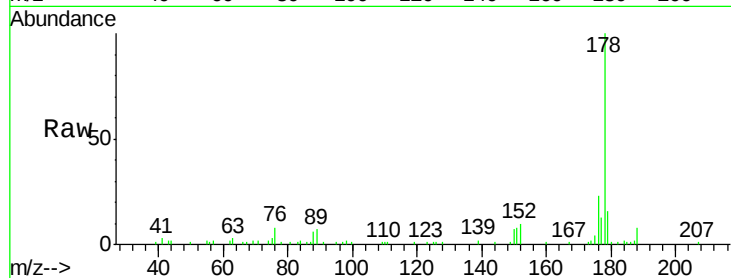




#14
Phenanthrene
Concen: 1.23 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BG031133.D
Acq: 20 Nov 2017 16:37

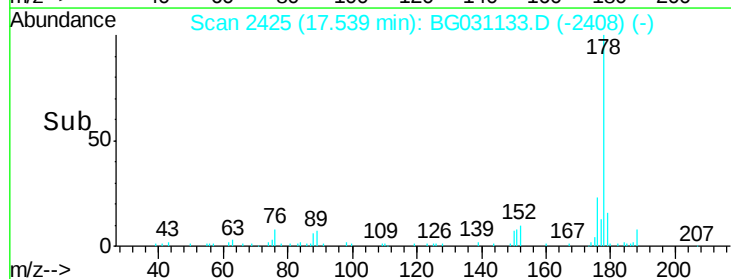
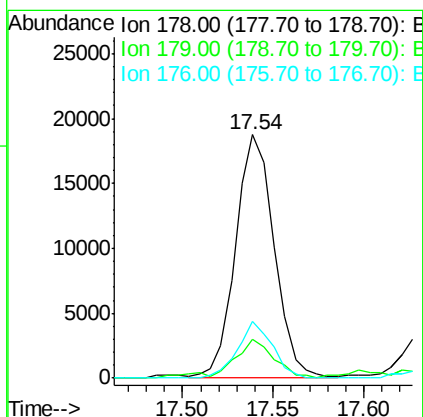
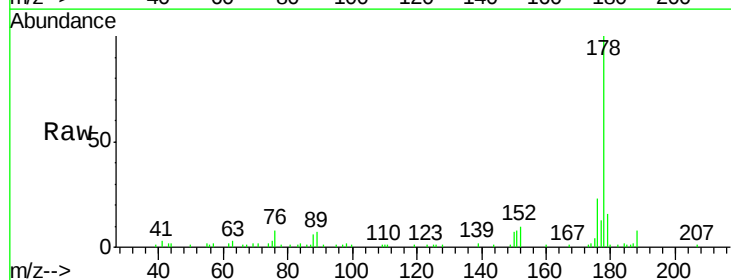
Instrument :
BNA_G
ClientSampleId :
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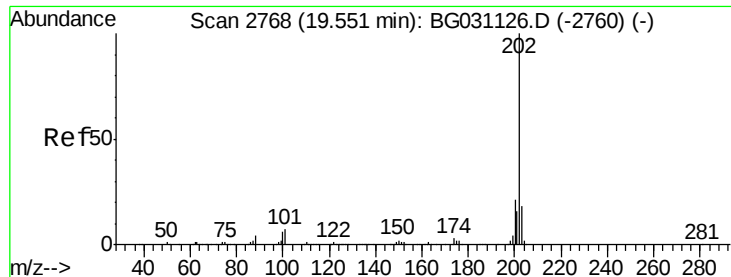
Tot Ion:178 Resp: 27868
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 23.1 16.4 24.6



#16
Anthracene
Concen: 1.21 ng/ul
RT: 17.54 min Scan# 2425
Delta R.T. -0.10 min
Lab File: BG031133.D
Acq: 20 Nov 2017 16:37

Tgt Ion:178 Resp: 27868
Ion Ratio Lower Upper
178 100
179 15.7 12.7 19.1
176 23.1 15.8 23.8

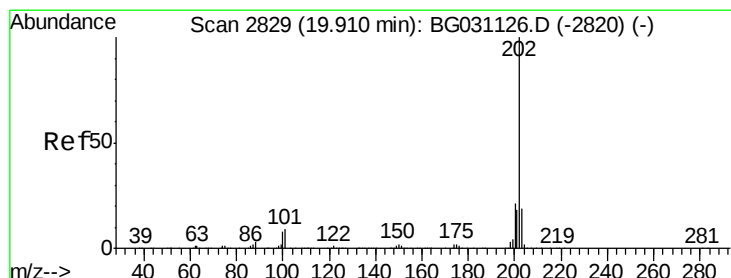
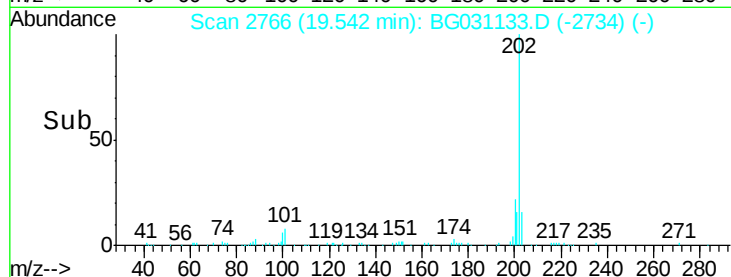
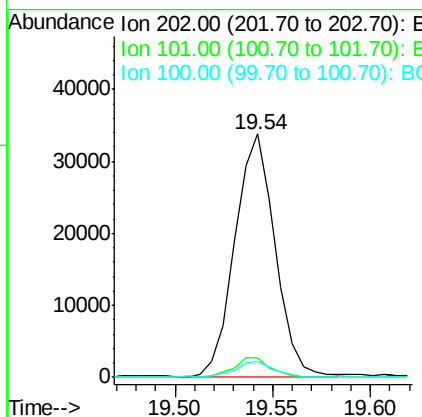
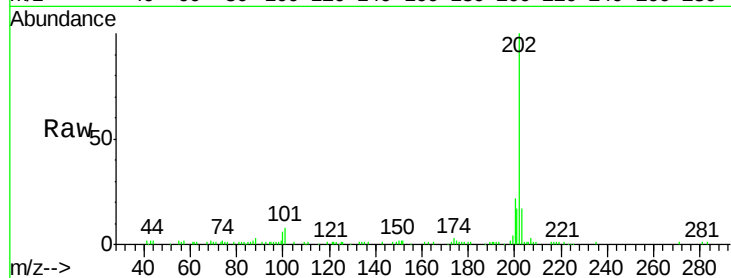




#17
Fluoranthene
 Concen: 1.53 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. -0.01 min
 Lab File: BG031133.D
 Acq: 20 Nov 2017 16:37

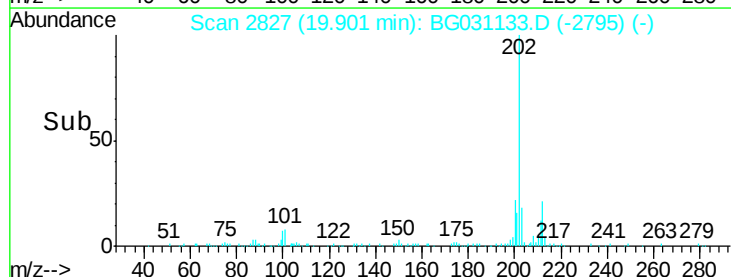
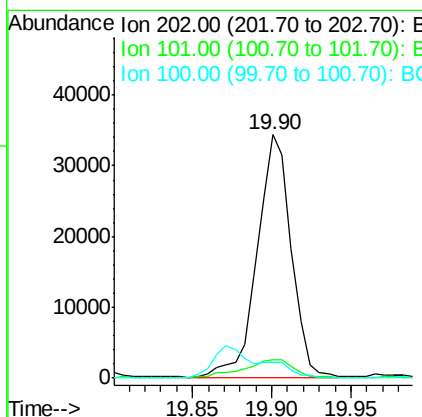
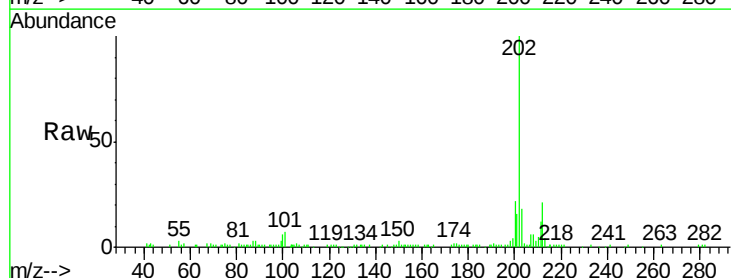
Instrument :
 BNA_G
 ClientSampleId :
 B0G24

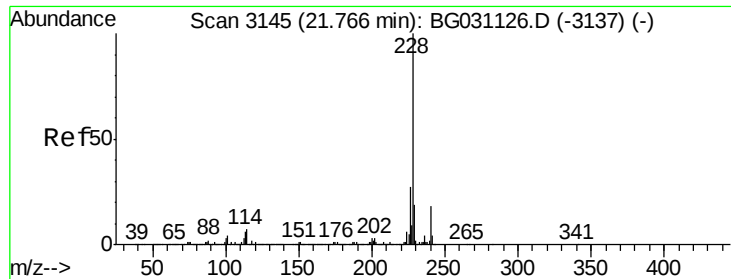
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.1	9.8	14.8#
100	6.4	7.5	11.3#



#20
Pyrene
 Concen: 2.24 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.01 min
 Lab File: BG031133.D
 Acq: 20 Nov 2017 16:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	11.2	16.8#
100	6.5	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 1.35 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. -0.02 min

Lab File: BG031133.D

Acq: 20 Nov 2017 16:37

Instrument :

BNA_G

ClientSampleId :

B0G24

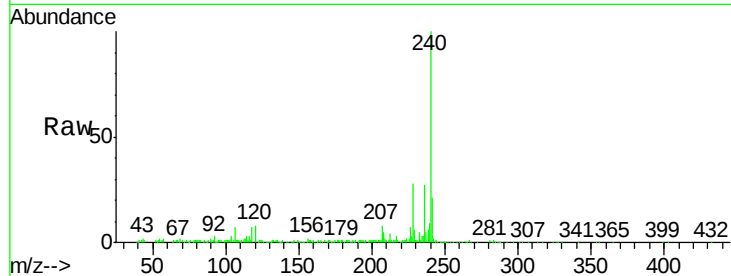
Tot Ion:228 Resp: 35679

Ion Ratio Lower Upper

228 100

229 20.0 15.9 23.9

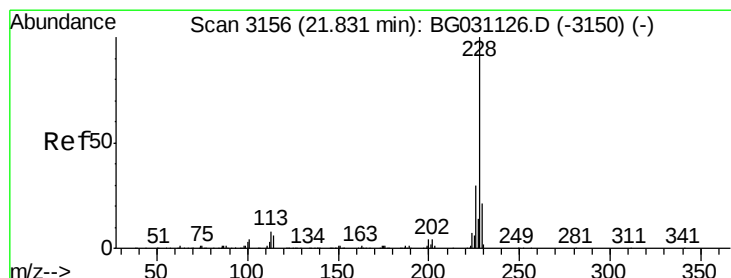
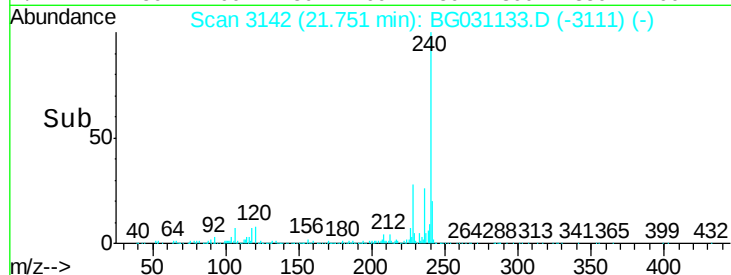
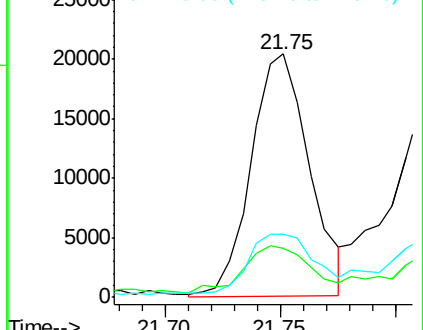
226 26.1 22.1 33.1



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: 1.43 ng/ul

RT: 21.82 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG031133.D

Acq: 20 Nov 2017 16:37

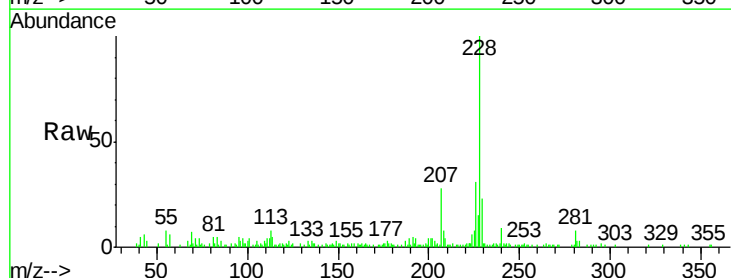
Tgt Ion:228 Resp: 36072

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

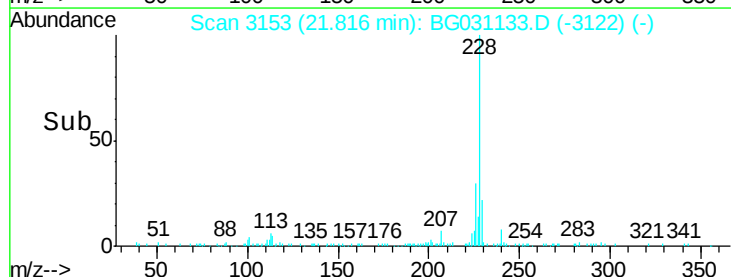
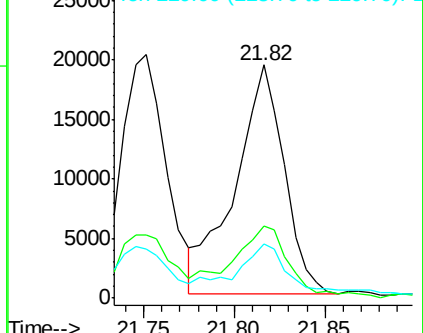
229 23.0 16.6 25.0

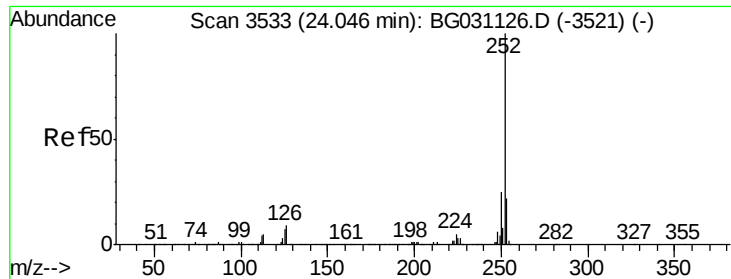


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 2.28 ng/ul

RT: 24.01 min Scan# 3527

Delta R.T. -0.03 min

Lab File: BG031133.D

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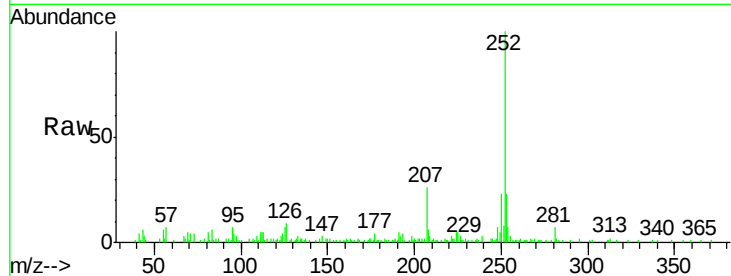
Tot Ion:252 Resp: 60141

Ion Ratio Lower Upper

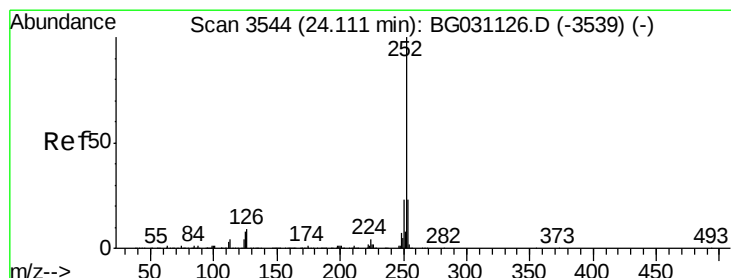
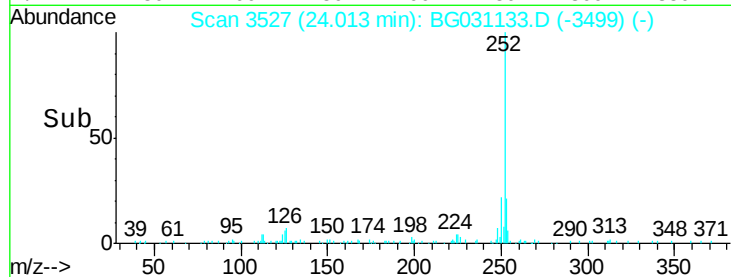
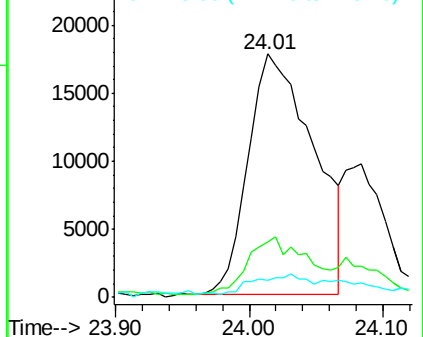
252 100

253 22.6 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: 2.31 ng/ul

RT: 24.01 min Scan# 3527

Delta R.T. -0.10 min

Lab File: BG031133.D

Acq: 20 Nov 2017 16:37

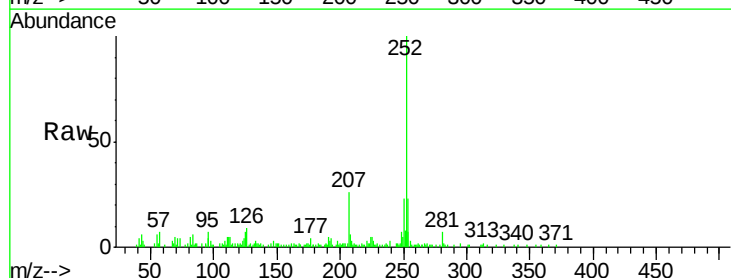
Tgt Ion:252 Resp: 60141

Ion Ratio Lower Upper

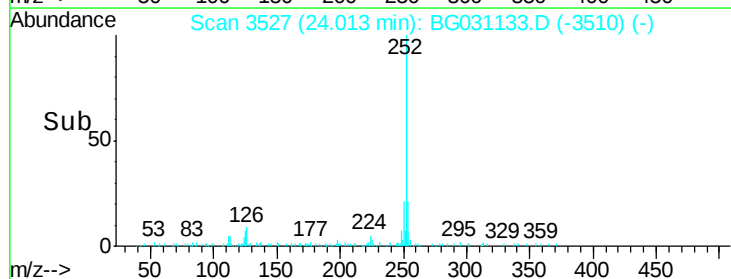
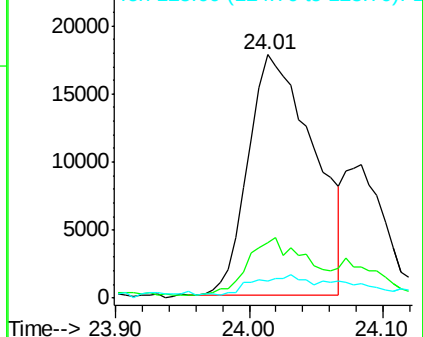
252 100

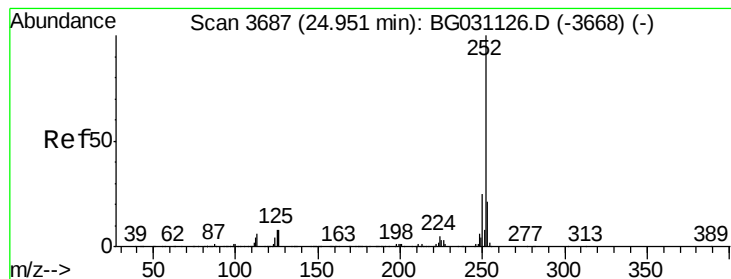
253 22.6 17.4 26.2

125 7.2 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: 2.00 ng/ul

RT: 24.91 min Scan# 3680

Delta R.T. -0.04 min

Lab File: BG031133.D

Acq: 20 Nov 2017 16:37

Instrument :

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ClientSampleId :

B0G24

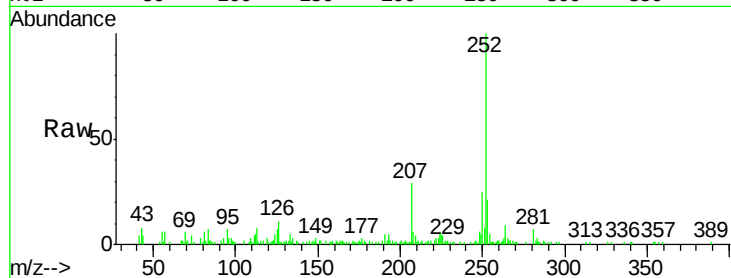
Tot Ion:252 Resp: 50647

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 7.2 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

