

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046433.D
 Acq On : 22 Aug 2020 4:50
 Operator : CG/JU
 Sample : L3649-13
 Misc :
 ALS Vial : 97 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMYO

Quant Time: Aug 22 06:57:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 22 04:33:16 2020
 Response via : Initial Calibration

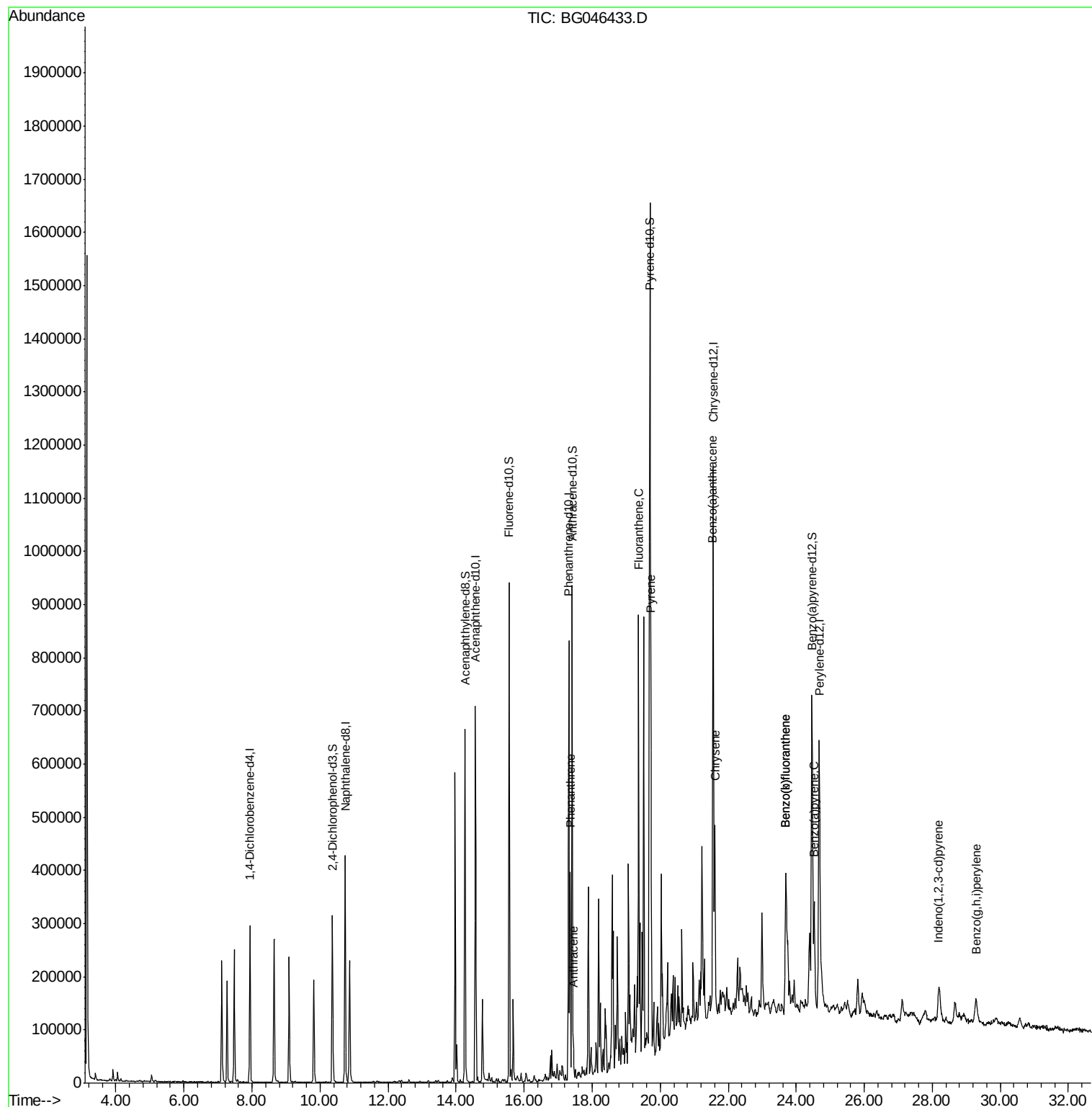
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	92952	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	383862	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	254060	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	547093	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	543597	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	550018	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	137806	20.85	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	506748	21.67	ng/ul	0.00
10) Fluorene-d10	15.56	176	390977	21.82	ng/ul	0.00
15) Anthracene-d10	17.41	188	552914	21.80	ng/ul	0.00
19) Pyrene-d10	19.70	212	611127	21.84	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	672501	22.41	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	247601	8.227	ng/ul	100
16) Anthracene	17.44	178	47254	1.556	ng/ul	99
17) Fluoranthene	19.36	202	512518	15.272	ng/ul	100
20) Pyrene	19.73	202	465829	13.055	ng/ul	99
21) Benzo(a)anthracene	21.54	228	272678	7.710	ng/ul	97
22) Chrysene	21.61	228	276478	8.086	ng/ul	96
24) Benzo(b)fluoranthene	23.69	252	357272	9.823	ng/ul	99
25) Benzo(k)fluoranthene	23.69	252	357272	9.902	ng/ul	99
27) Benzo(a)pyrene	24.53	252	221419	6.631	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.19	276	126838	3.034	ng/ul	99
30) Benzo(g,h,i)perylene	29.29	276	99688	2.849	ng/ul	96

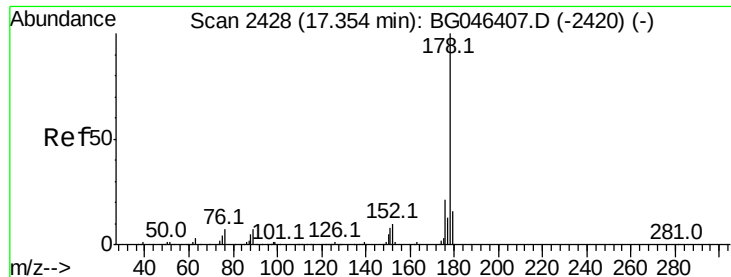
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 8.227 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

Instrument :

BNA_G

ClientSampleId :

BFMY0

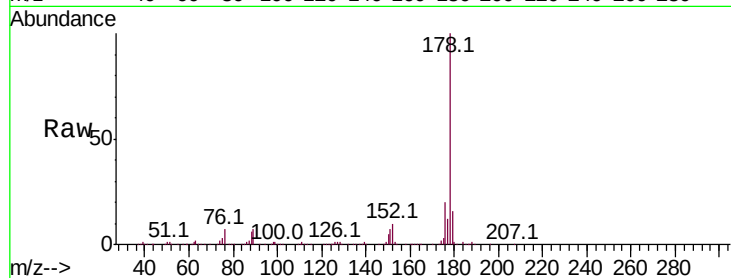
Tot Ion:178 Resp: 247601

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

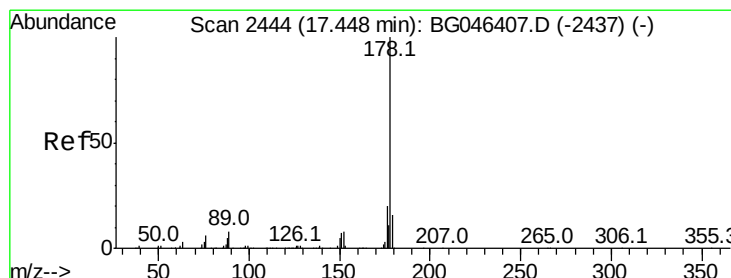
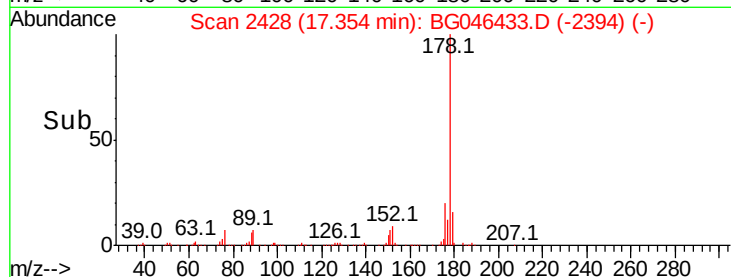
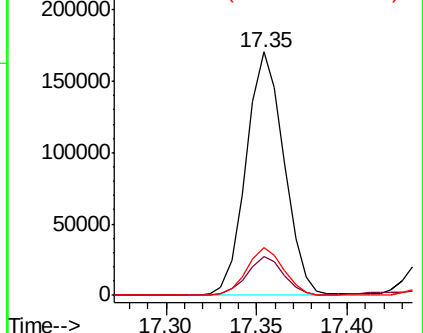
176 19.7 15.8 23.8



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: 1.556 ng/ul

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

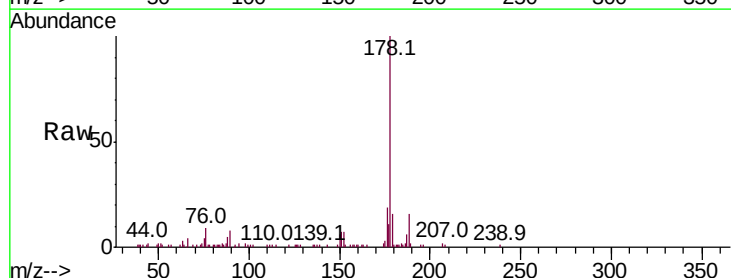
Tgt Ion:178 Resp: 47254

Ion Ratio Lower Upper

178 100

179 15.9 13.2 19.8

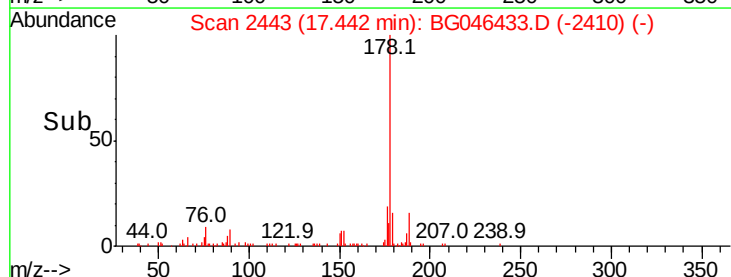
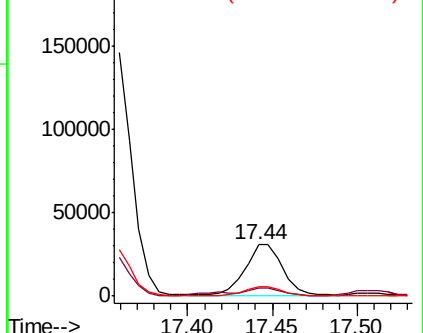
176 18.7 15.2 22.8

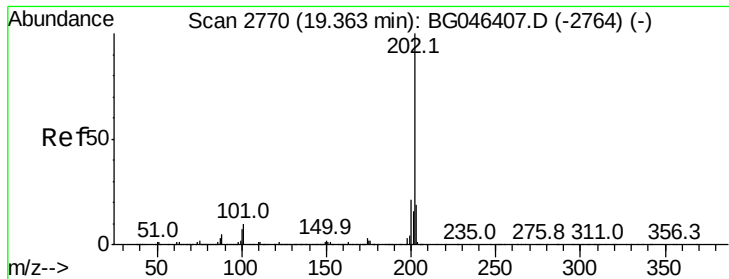


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

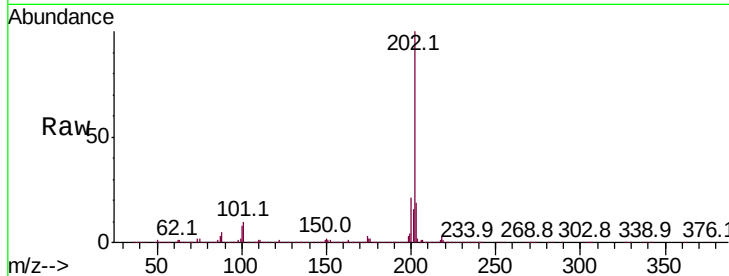




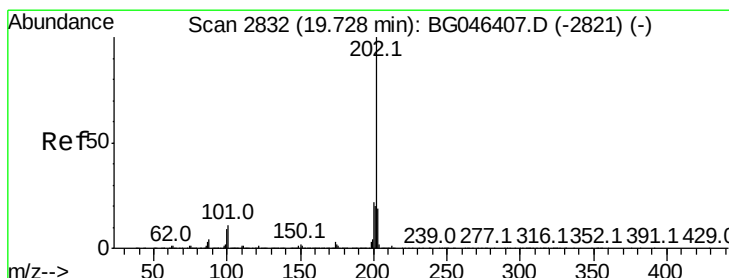
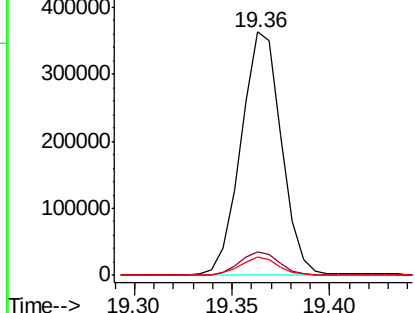
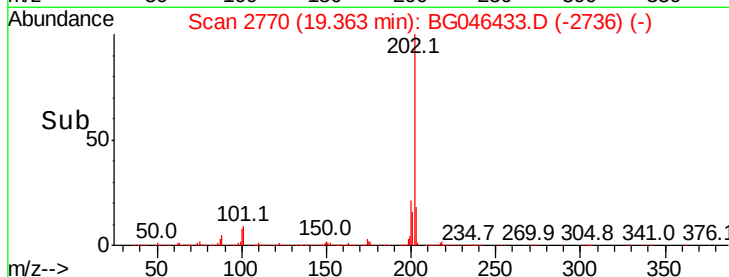
#17
Fluoranthene
 Concen: 15.272 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046433.D
 Acq: 22 Aug 2020 4:50

Instrument :
 BNA_G
 ClientSampleId :
 BFMYO

Tot Ion:	202	Resp:	512518
Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.8	11.6
100	7.7	5.9	8.9

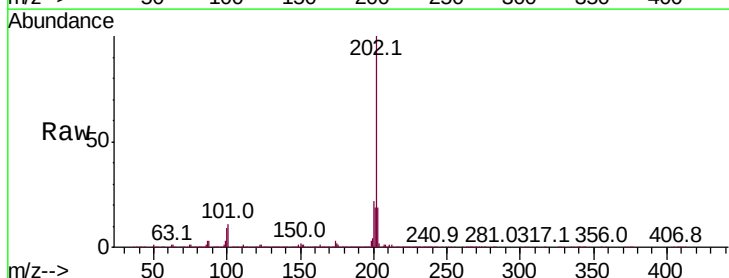


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

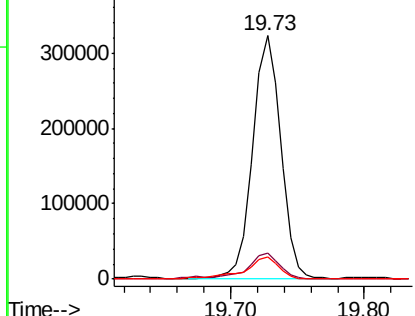
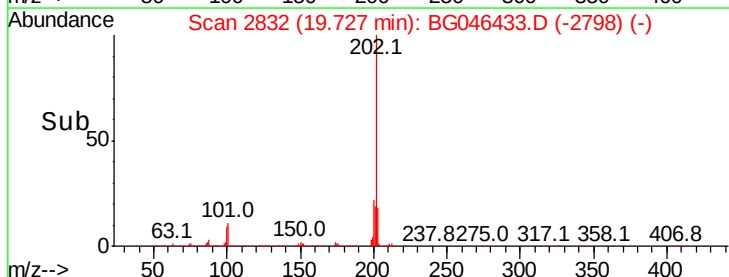


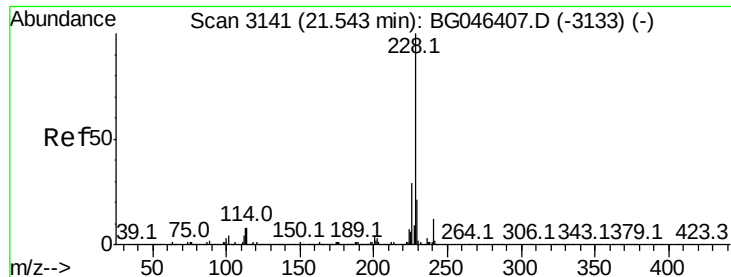
#20
Pyrene
 Concen: 13.055 ng/ul
 RT: 19.73 min Scan# 2832
 Delta R.T. -0.00 min
 Lab File: BG046433.D
 Acq: 22 Aug 2020 4:50

Tgt Ion:	202	Resp:	465829
Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.9	13.3
100	9.2	7.9	11.9



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

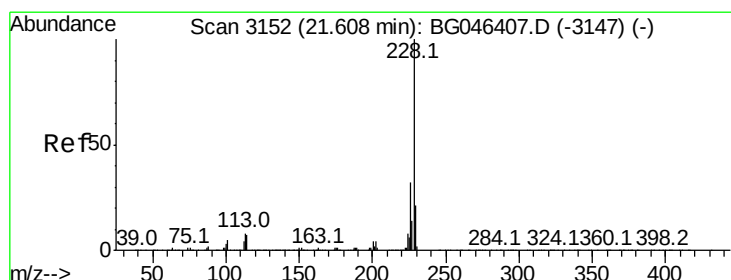
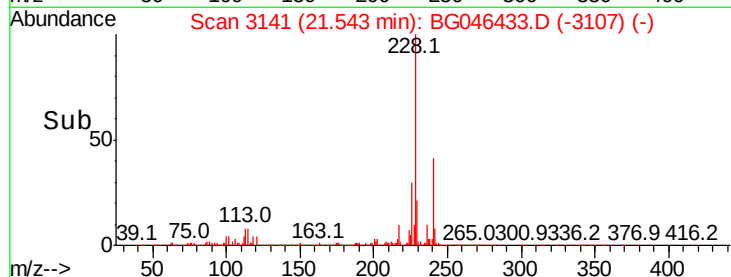
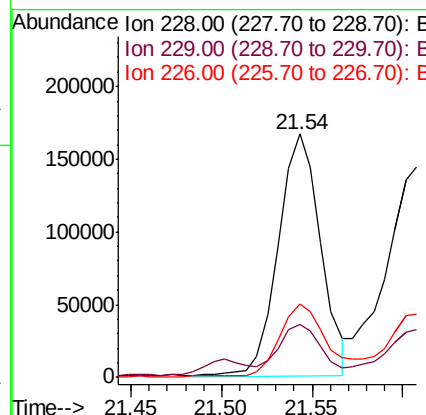
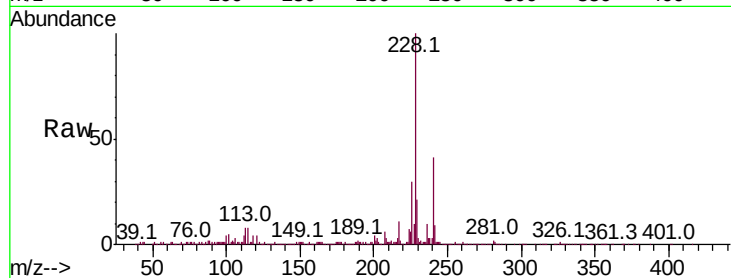




#21
Benzo(a)anthracene
Concen: 7.710 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046433.D
Acq: 22 Aug 2020 4:50

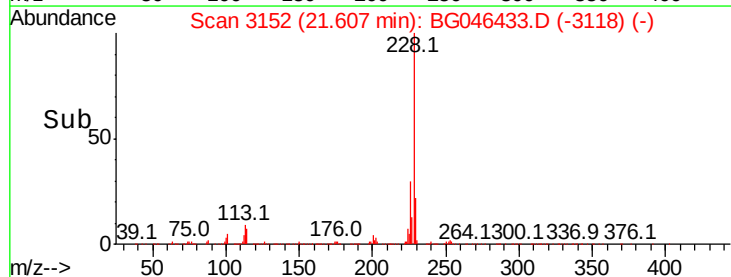
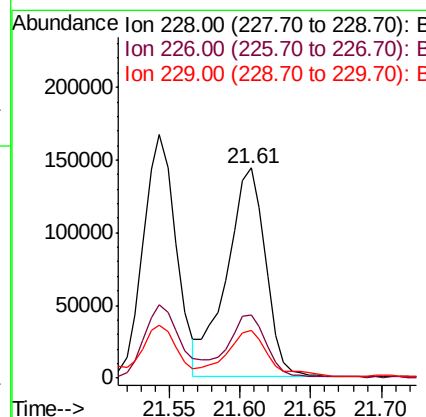
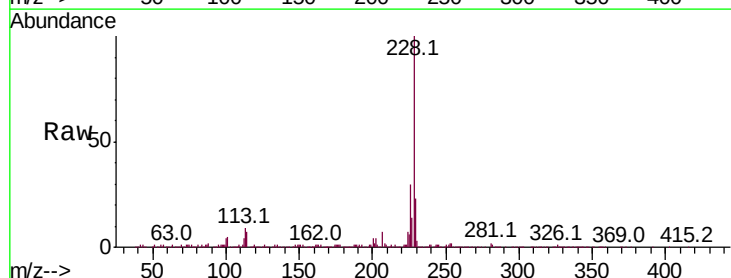
Instrument :
BNA_G
ClientSampleId :
BFMY0

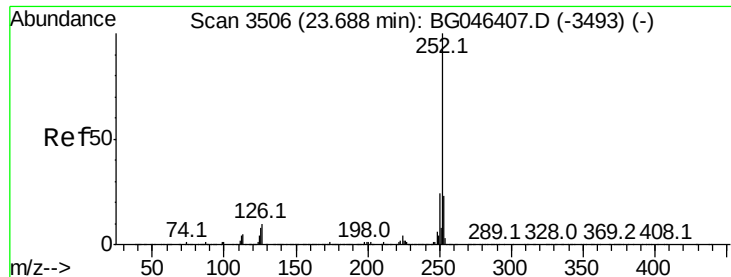
Tot Ion:	228	Resp:	272678
Ion	Ratio	Lower	Upper
228	100		
229	21.5	16.6	25.0
226	30.2	22.6	33.8



#22
Chrysene
Concen: 8.086 ng/ul
RT: 21.61 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG046433.D
Acq: 22 Aug 2020 4:50

Tgt Ion:	228	Resp:	276478
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.5	38.3
229	23.0	17.0	25.4





#24

Benzo(b)fluoranthene

Concen: 9.823 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.00 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

Instrument :

BNA_G

ClientSampleId :

BFMY0

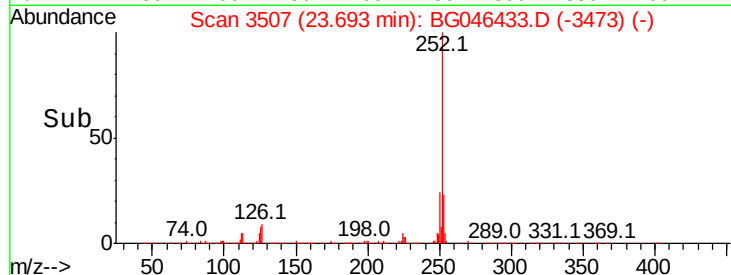
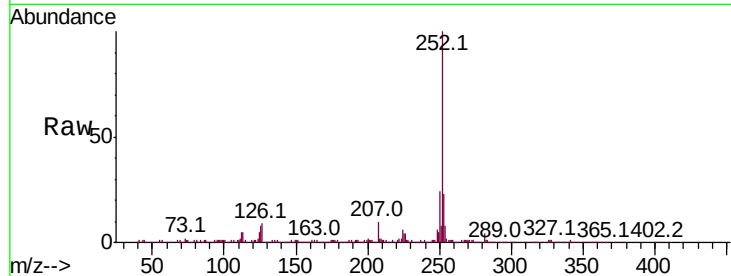
Tot Ion:252 Resp: 357272

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

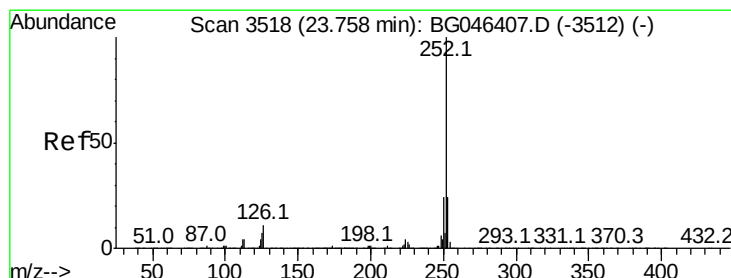
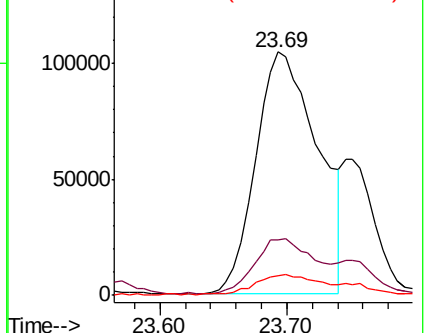
125 8.0 6.4 9.6



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: 9.902 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.06 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

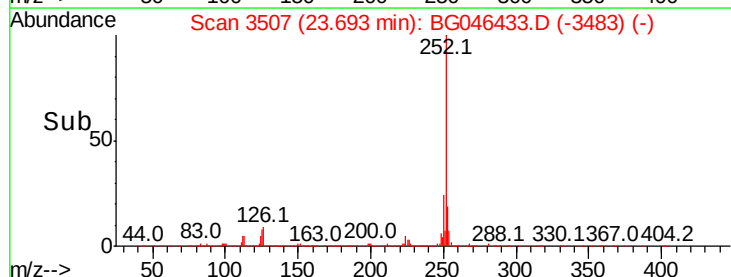
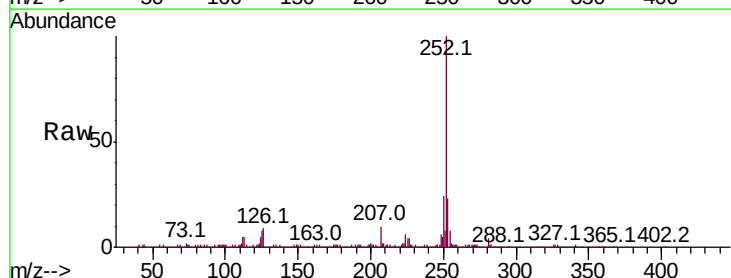
Tgt Ion:252 Resp: 357272

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

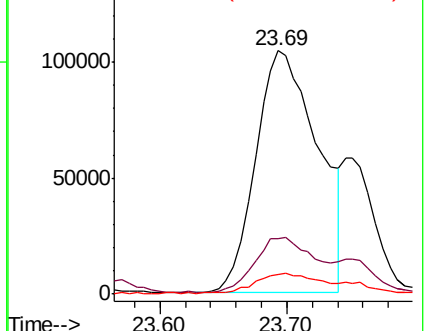
125 8.0 6.2 9.2

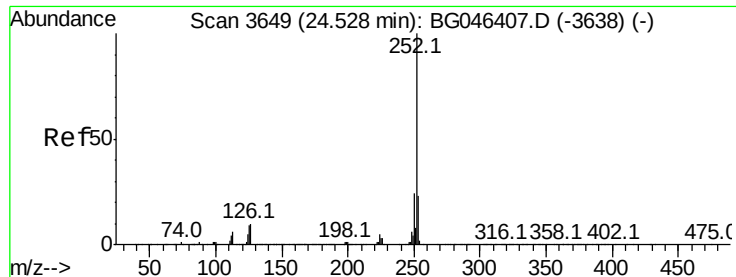


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 6.631 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

Instrument :

BNA_G

ClientSampleId :

BFMY0

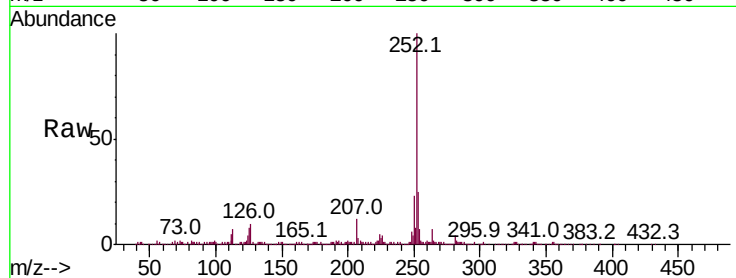
Tot Ion:252 Resp: 221419

Ion Ratio Lower Upper

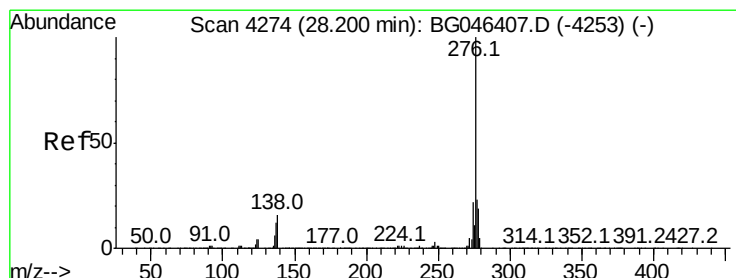
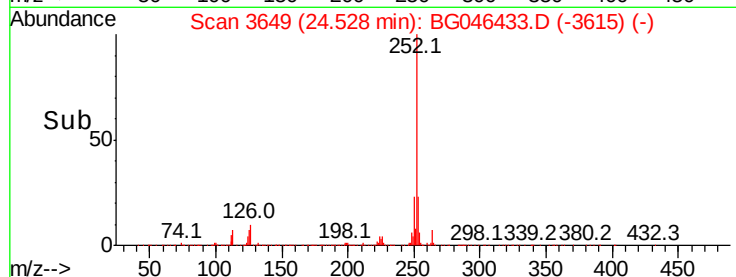
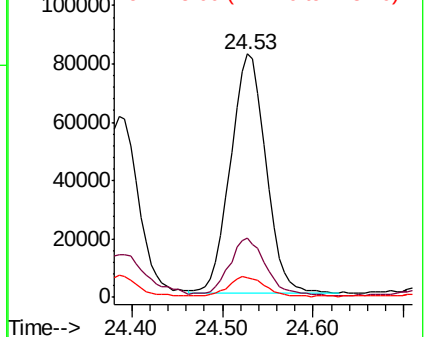
252 100

253 24.5 17.8 26.8

125 7.8 7.1 10.7



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: 3.034 ng/ul

RT: 28.19 min Scan# 4273

Delta R.T. -0.00 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

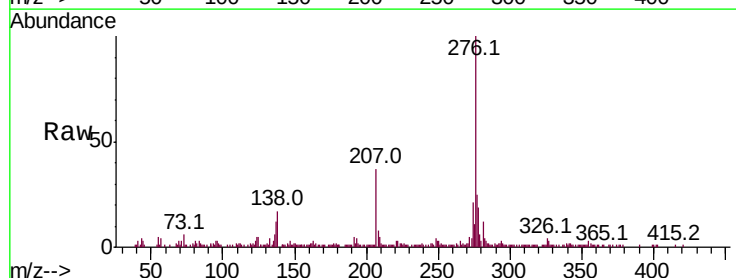
Tgt Ion:276 Resp: 126838

Ion Ratio Lower Upper

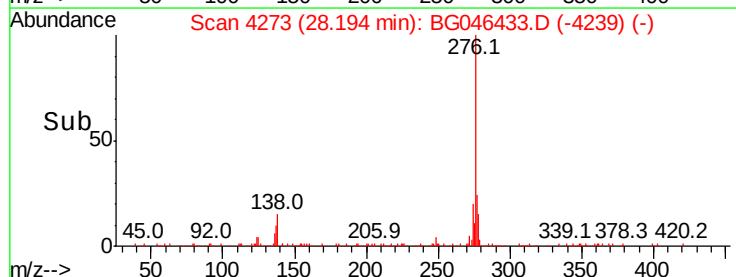
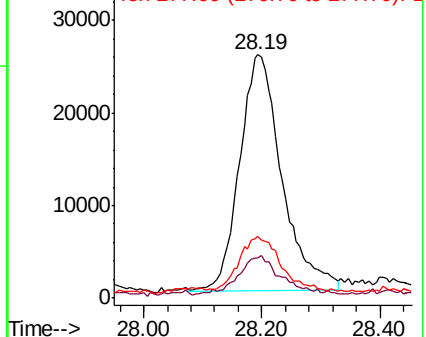
276 100

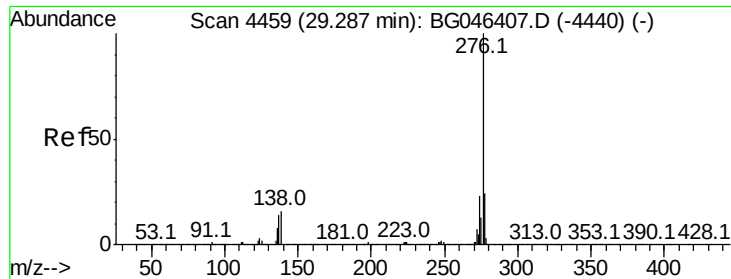
138 16.6 13.2 19.8

277 25.3 19.9 29.9



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(a,h,i)perylene

Concen: 2.849 ng/ul

RT: 29.29 min Scan# 4459

Delta R.T. -0.00 min

Lab File: BG046433.D

Acq: 22 Aug 2020 4:50

Instrument :

BNA_G

ClientSampleId :

BFMY0

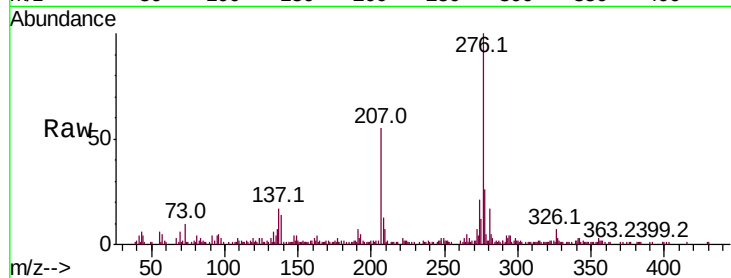
Tot Ion:276 Resp: 99688

Ion Ratio Lower Upper

276 100

138 14.4 12.9 19.3

277 25.8 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

