

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046434.D
 Acq On : 22 Aug 2020 5:30
 Operator : CG/JU
 Sample : L3649-11
 Misc :
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 22 06:57:09 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

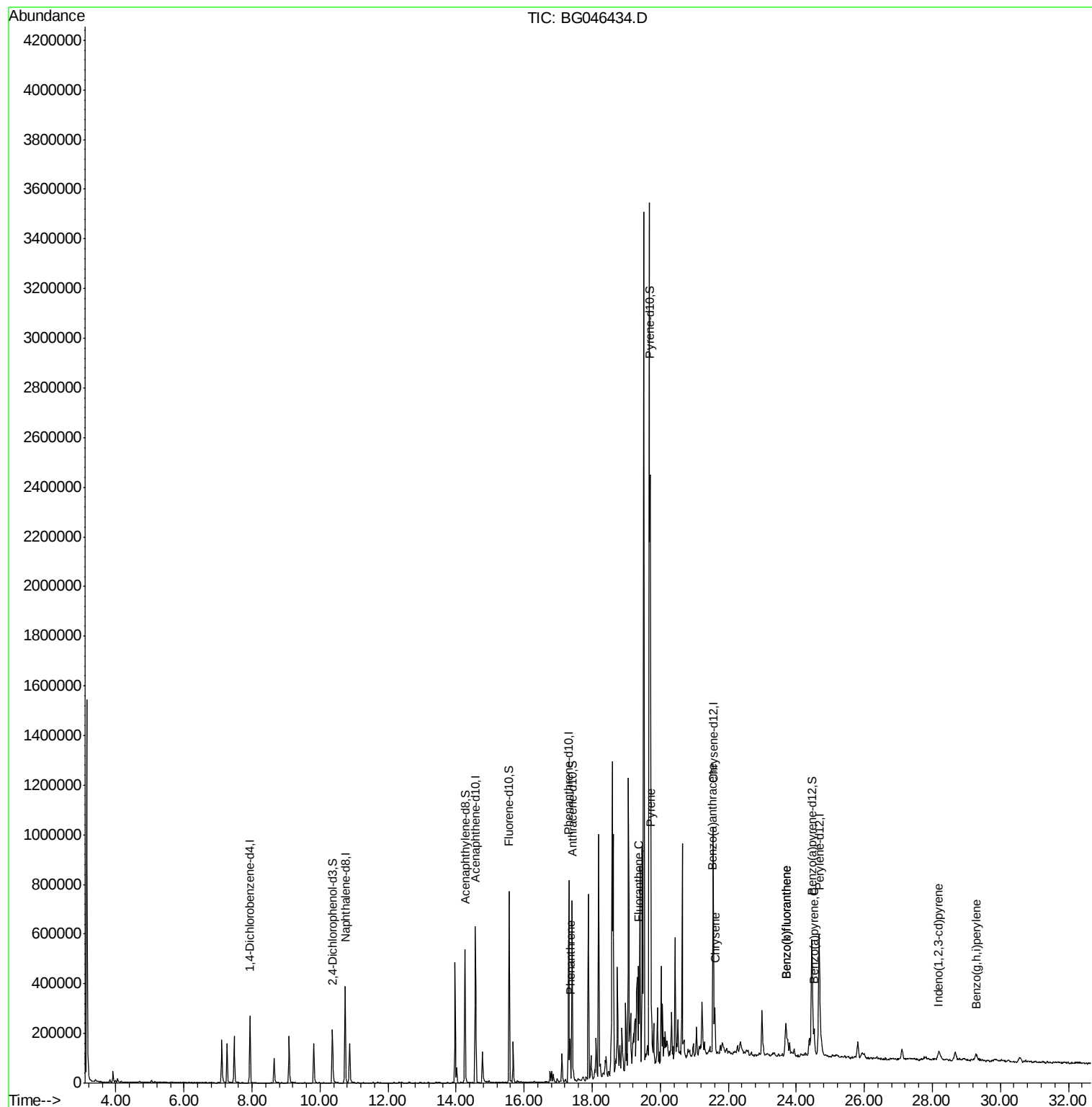
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	82890	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	347434	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	231280	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	511141	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	514220	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	519714	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	103019	17.22	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	415955	19.54	ng/ul	0.00
10) Fluorene-d10	15.56	176	324589	19.90	ng/ul	0.00
15) Anthracene-d10	17.41	188	451750	19.07	ng/ul	0.00
19) Pyrene-d10	19.70	212	490034	18.51	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	549814	19.39	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.35	178	109941	3.910	ng/ul	98
17) Fluoranthene	19.37	202	239887	7.651	ng/ul	98
20) Pyrene	19.73	202	233963	6.931	ng/ul	99
21) Benzo(a)anthracene	21.54	228	113793	3.401	ng/ul	99
22) Chrysene	21.61	228	135875	4.201	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	172739	5.026	ng/ul	98
25) Benzo(k)fluoranthene	23.69	252	172739	5.067	ng/ul	99
27) Benzo(a)pyrene	24.52	252	101680	3.223	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.19	276	65842	1.667	ng/ul	97
30) Benzo(g,h,i)perylene	29.29	276	53466	1.617	ng/ul#	94

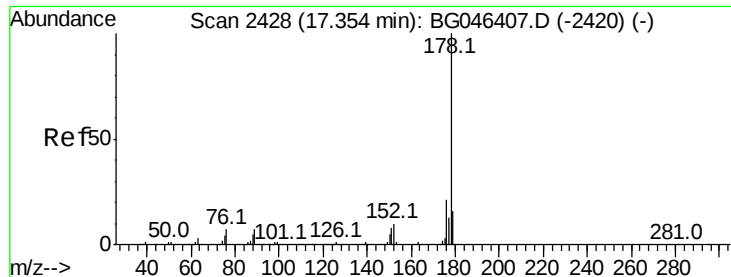
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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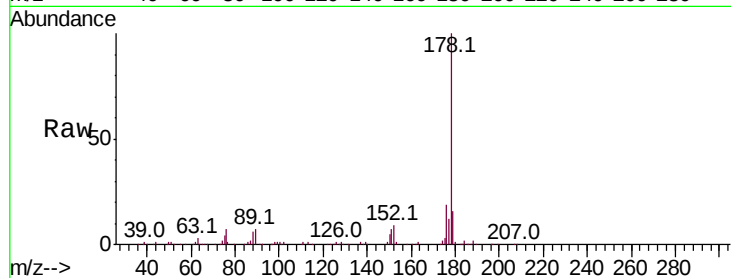




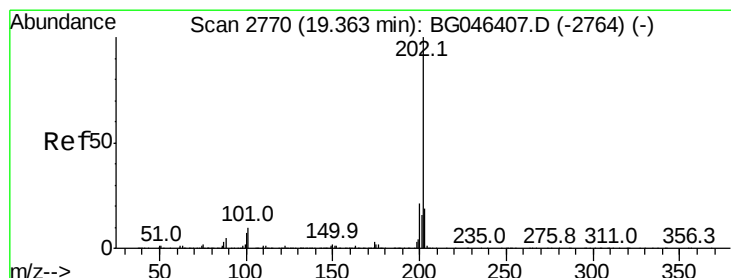
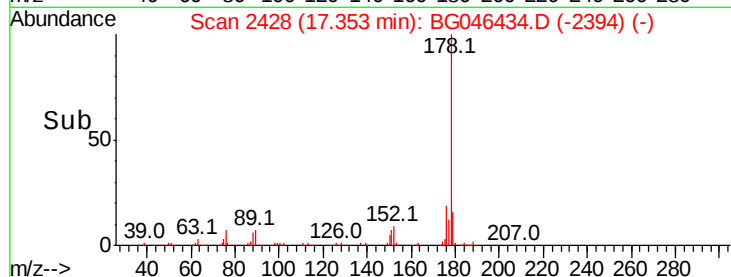
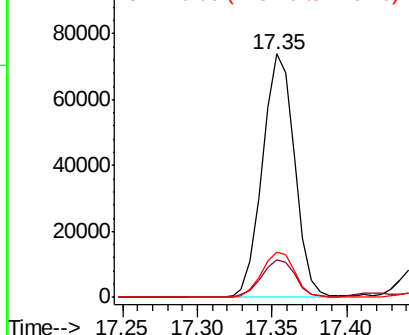
#14
Phenanthrene
Concen: 3.910 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046434.D
Acq: 22 Aug 2020 5:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2
176	18.7	15.8	23.8

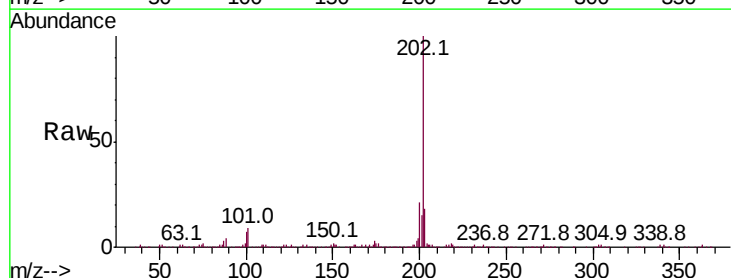


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

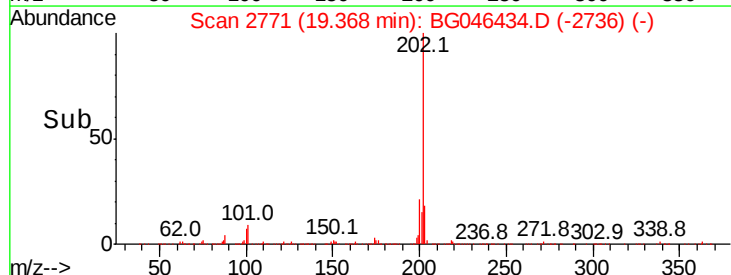
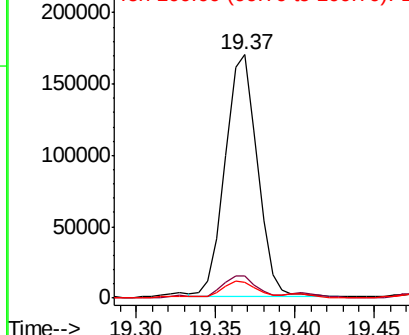


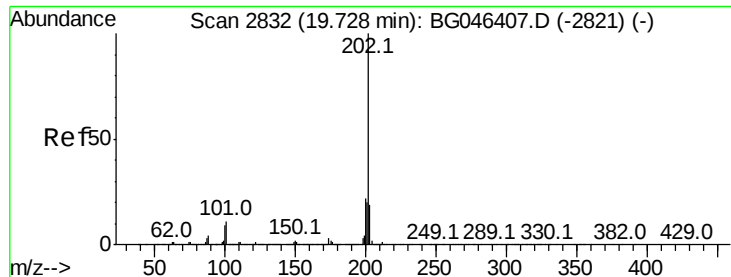
#17
Fluoranthene
Concen: 7.651 ng/ul
RT: 19.37 min Scan# 2771
Delta R.T. 0.00 min
Lab File: BG046434.D
Acq: 22 Aug 2020 5:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.8	11.6
100	6.6	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

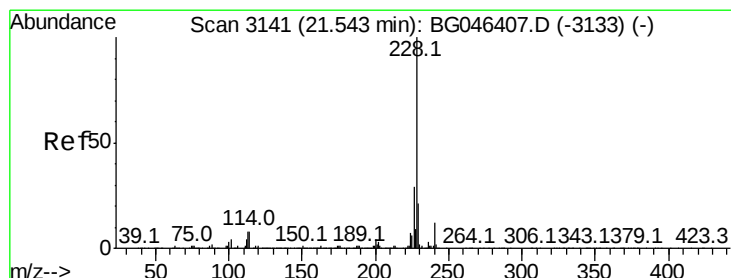
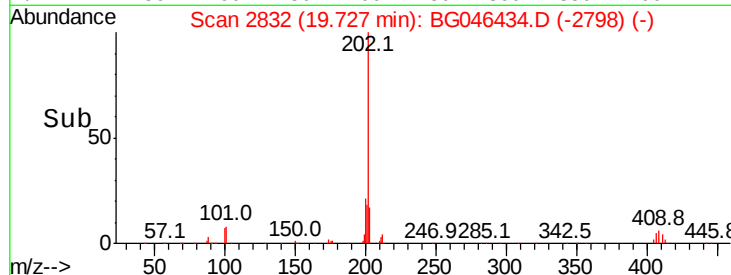
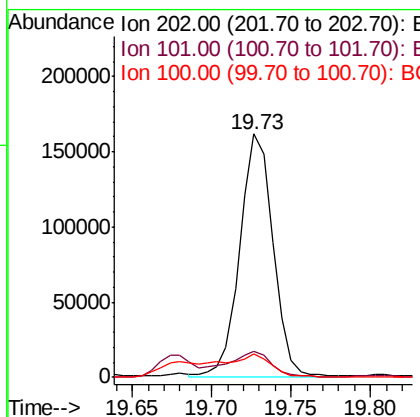
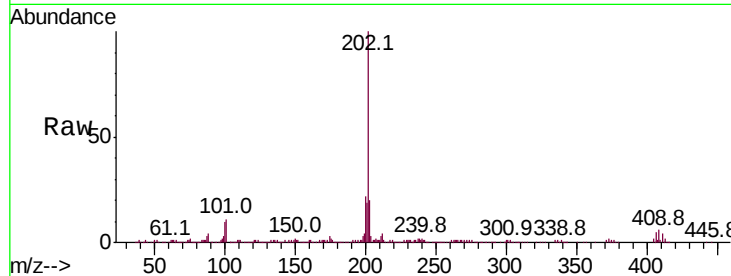




#20
Pvrene
Concen: 6.931 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BG046434.D
Acq: 22 Aug 2020 5:30

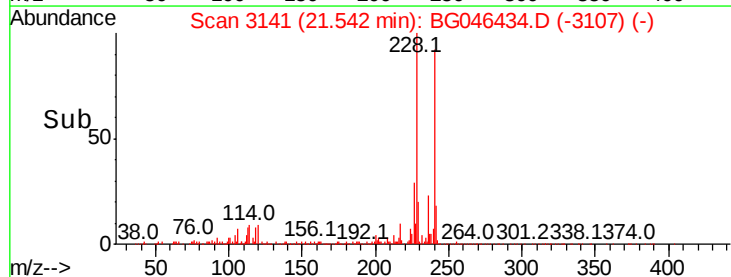
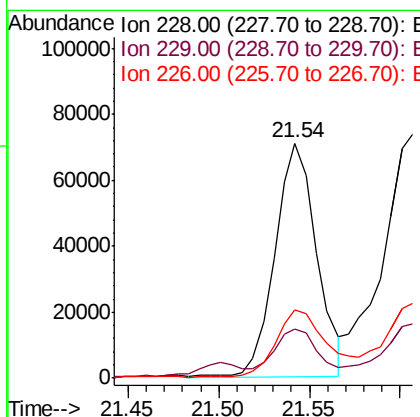
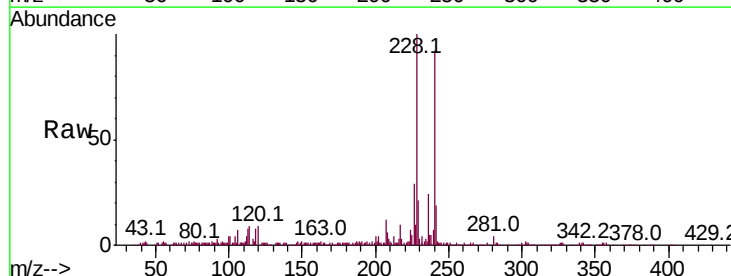
Instrument :
BNA_G
ClientSampleId :

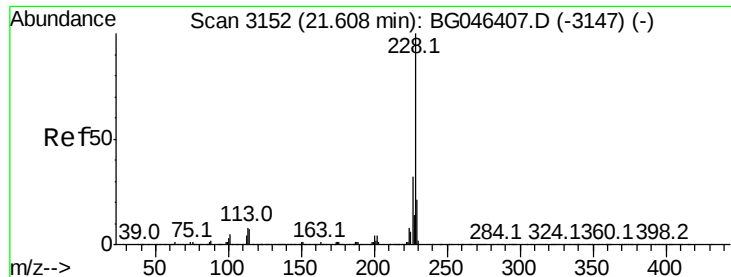
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
100	9.6	7.9	11.9



#21
Benzo(a)anthracene
Concen: 3.401 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046434.D
Acq: 22 Aug 2020 5:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	29.2	22.6	33.8





#22

Chrysene

Concen: 4.201 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG046434.D

Acq: 22 Aug 2020 5:30

Instrument :

BNA_G

ClientSampled :

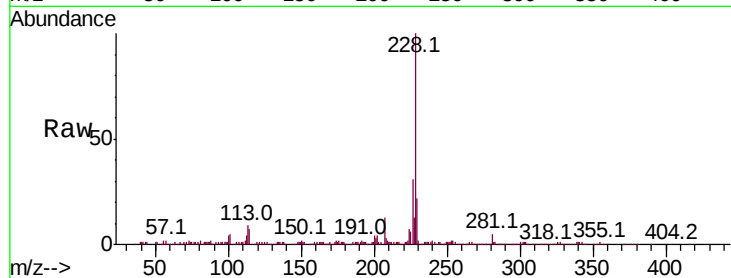
Tot Ion:228 Resp: 135875

Ion Ratio Lower Upper

228 100

226 30.7 25.5 38.3

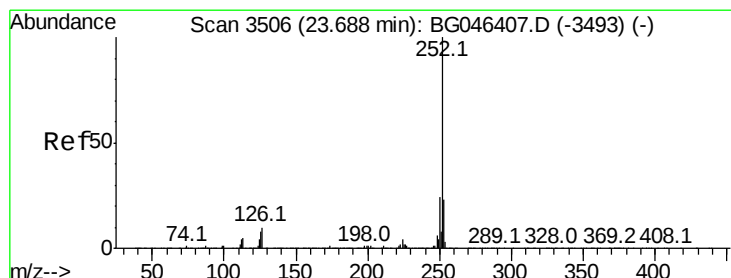
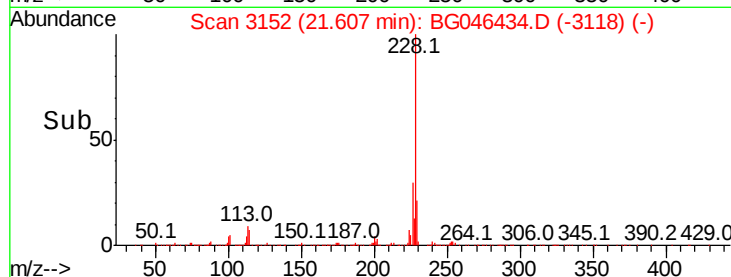
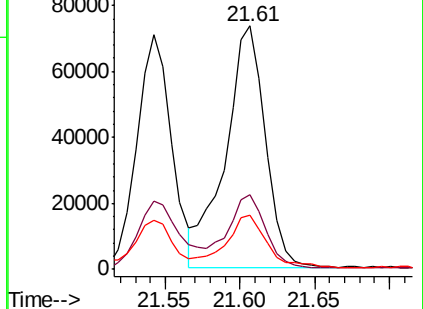
229 22.0 17.0 25.4



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: 5.026 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.00 min

Lab File: BG046434.D

Acq: 22 Aug 2020 5:30

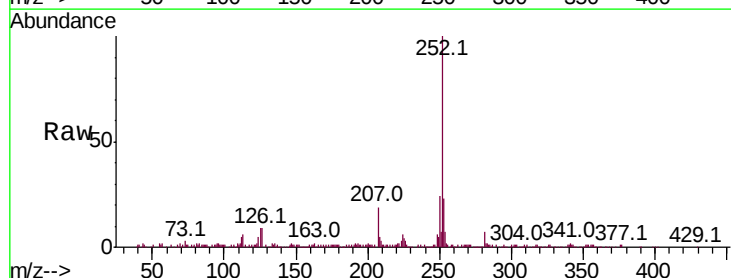
Tgt Ion:252 Resp: 172739

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

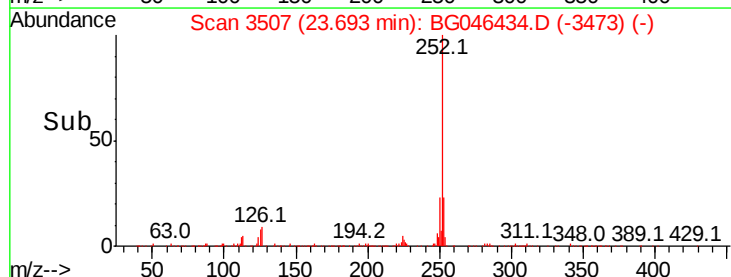
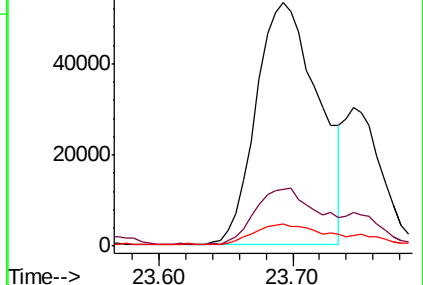
125 8.9 6.4 9.6

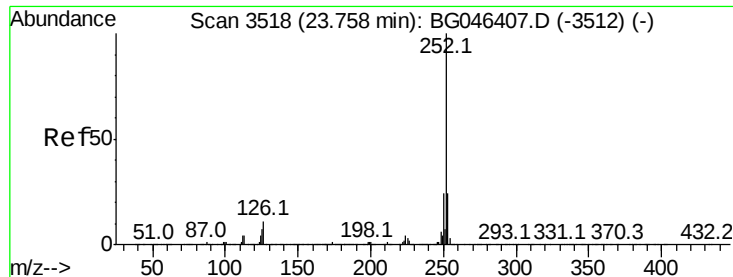


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 5.067 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.06 min

Lab File: BG046434.D

Acq: 22 Aug 2020 5:30

Instrument :

BNA_G

ClientSampleId :

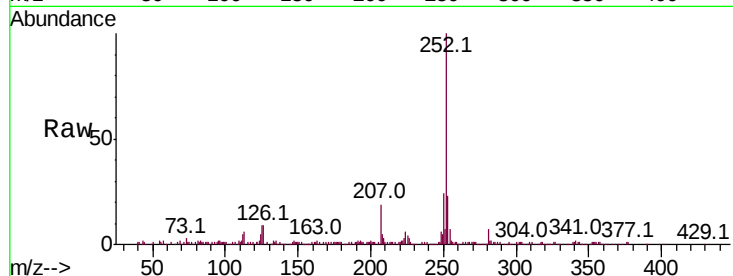
Tot Ion:252 Resp: 172739

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

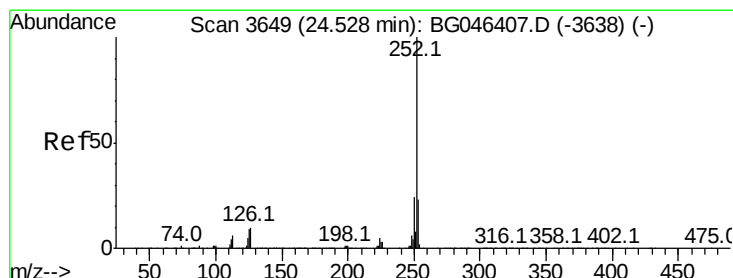
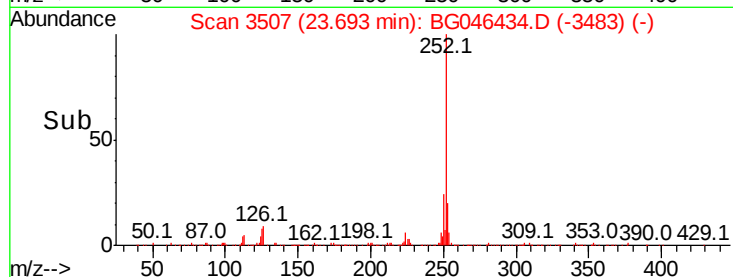
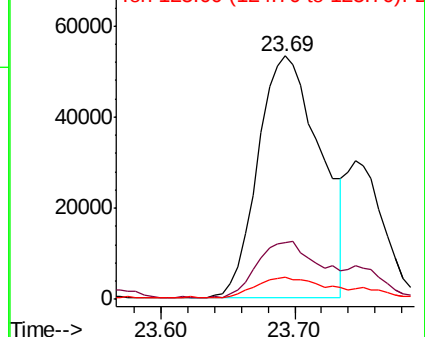
125 8.9 6.2 9.2



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: 3.223 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG046434.D

Acq: 22 Aug 2020 5:30

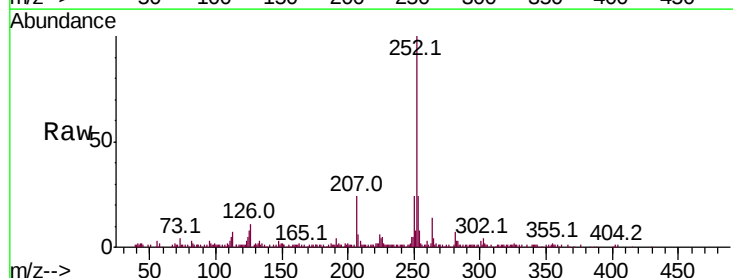
Tgt Ion:252 Resp: 101680

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

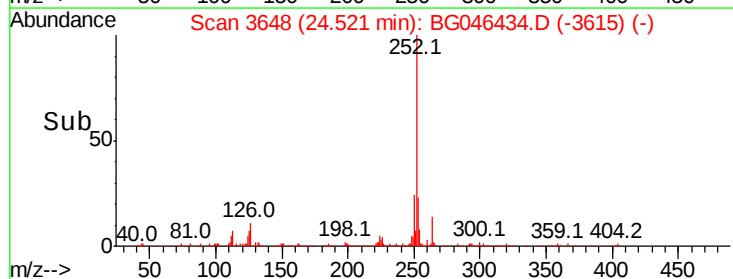
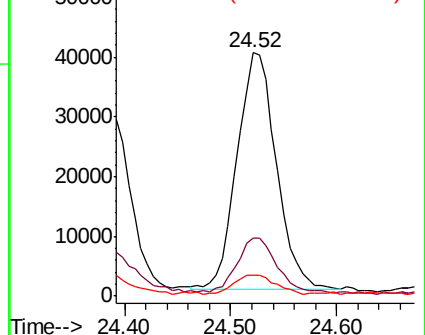
125 8.3 7.1 10.7

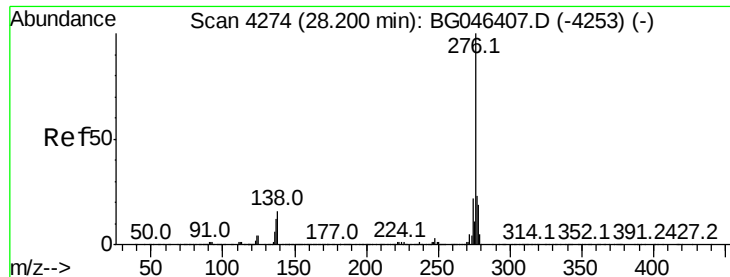


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

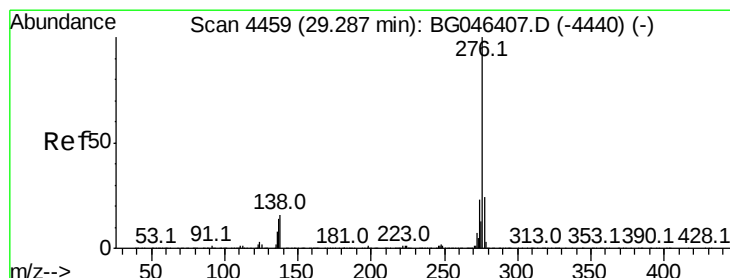
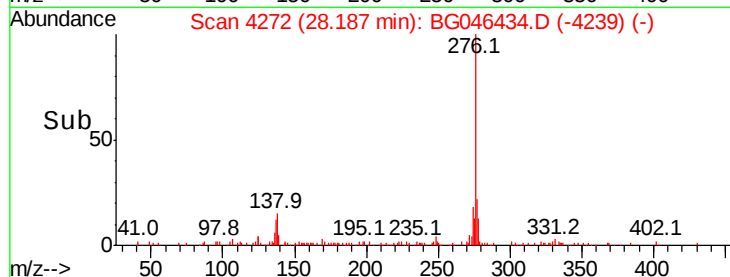
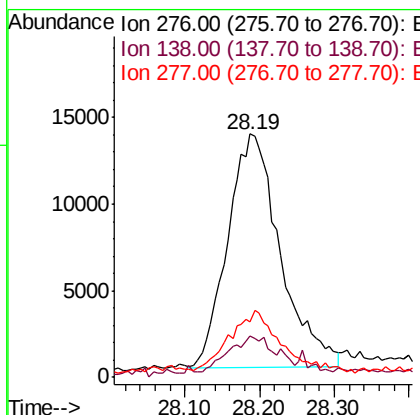
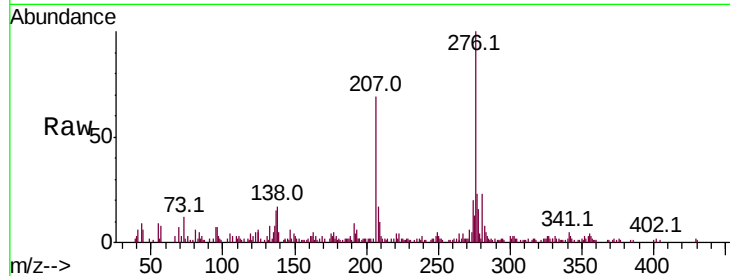




#28
 Indeno(1,2,3-cd)pyrene
 Concen: 1.667 ng/ul
 RT: 28.19 min Scan# 4272
 Delta R.T. -0.01 min
 Lab File: BG046434.D
 Acq: 22 Aug 2020 5:30

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.2	19.8
277	22.8	19.9	29.9



#30
 Benzo(g,h,i)perylene
 Concen: 1.617 ng/ul
 RT: 29.29 min Scan# 4459
 Delta R.T. -0.00 min
 Lab File: BG046434.D
 Acq: 22 Aug 2020 5:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	12.9	19.3#
277	25.7	19.4	29.0

