

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046297.D
 Acq On : 17 Aug 2020 14:30
 Operator : CG/JU
 Sample : L3632-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM83

Quant Time: Aug 17 16:03:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

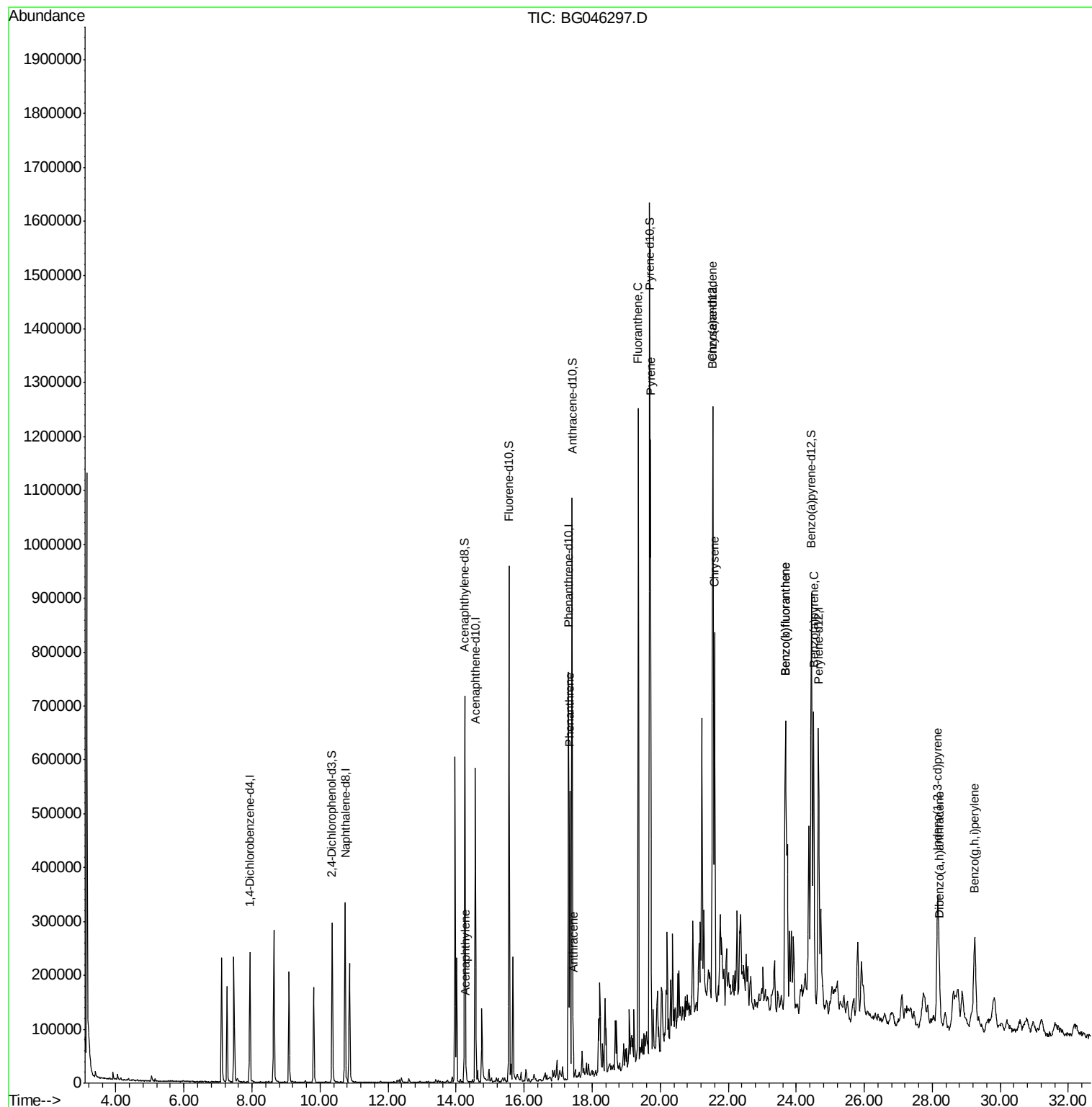
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	78282	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	313937	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	210125	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	496330	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	511295	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	547661	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	133651	24.72	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	540549	27.95	ng/ul	0.00
10) Fluorene-d10	15.56	176	408014	27.53	ng/ul	0.00
15) Anthracene-d10	17.41	188	640295	27.83	ng/ul	0.00
19) Pyrene-d10	19.69	212	765363	29.08	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	859643	28.76	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	24753	1.259	ng/ul	97
14) Phenanthrene	17.35	178	334928	12.266	ng/ul	98
16) Anthracene	17.44	178	73493	2.668	ng/ul	97
17) Fluoranthene	19.36	202	776066	25.490	ng/ul	99
20) Pyrene	19.72	202	740522	22.064	ng/ul	98
21) Benzo(a)anthracene	21.54	228	506778	15.234	ng/ul	97
22) Chrysene	21.60	228	500496	15.563	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	712127	19.663	ng/ul	99
25) Benzo(k)fluoranthene	23.68	252	712127	19.822	ng/ul	100
27) Benzo(a)pyrene	24.51	252	544884	16.388	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.16	276	419919	10.087	ng/ul	98
29) Dibenzo(a,h)anthracene	28.21	278	134425	3.982	ng/ul	96
30) Benzo(a,h,i)perylene	29.25	276	320625	9.202	ng/ul	99

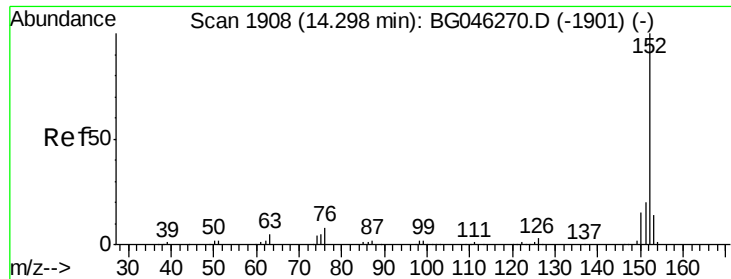
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.259 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046297.D

Acq: 17 Aug 2020 14:30

Instrument :

BNA_G

ClientSampleId :

BFM83

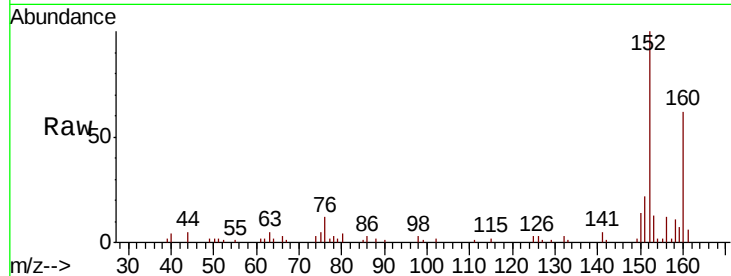
Tot Ion:152 Resp: 24753

Ion Ratio Lower Upper

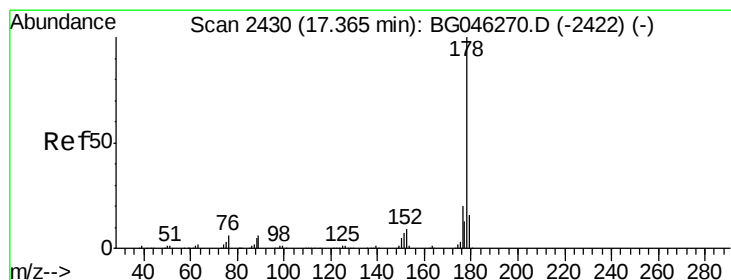
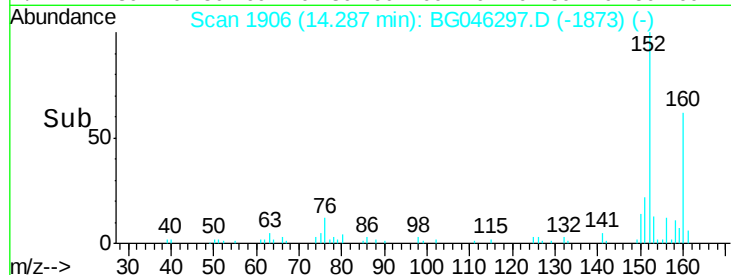
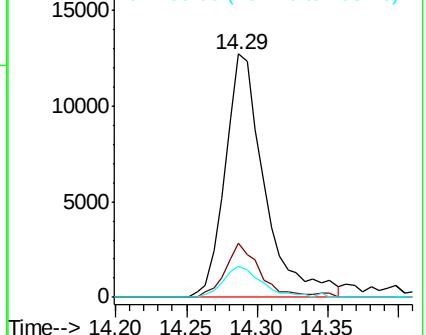
152 100

151 22.2 16.5 24.7

153 12.6 11.0 16.6



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: 12.266 ng/ul

RT: 17.35 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG046297.D

Acq: 17 Aug 2020 14:30

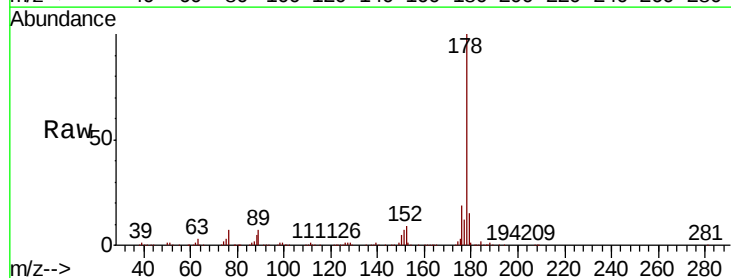
Tgt Ion:178 Resp: 334928

Ion Ratio Lower Upper

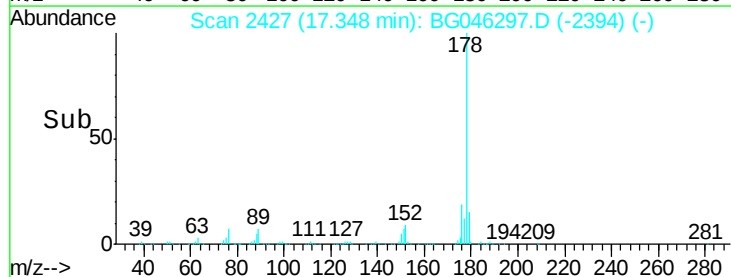
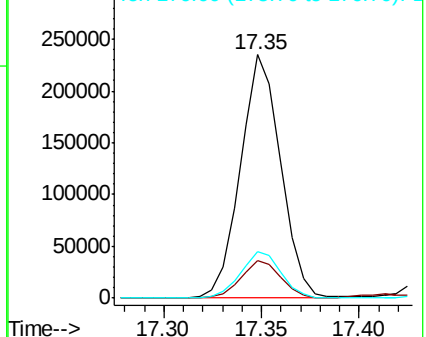
178 100

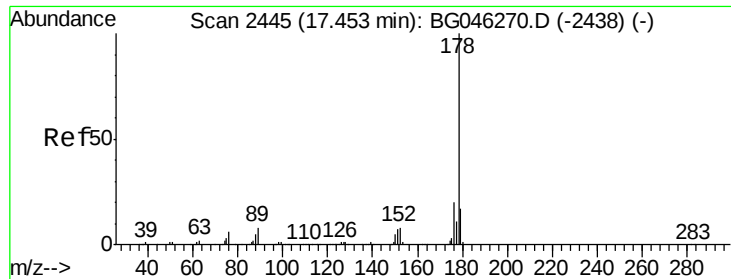
179 15.4 12.8 19.2

176 19.0 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

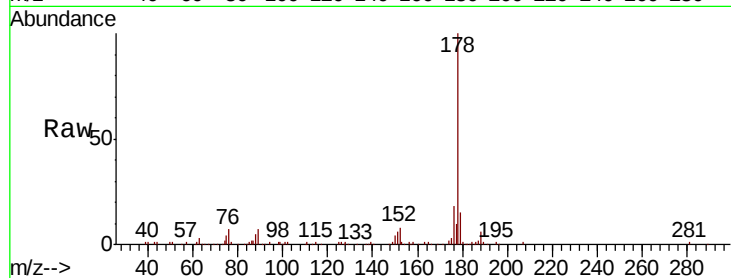




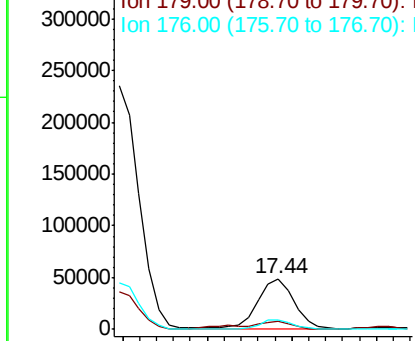
#16
 Anthracene
 Concen: 2.668 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046297.D
 Acq: 17 Aug 2020 14:30

Instrument :
 BNA_G
 ClientSampleId :
 BFM83

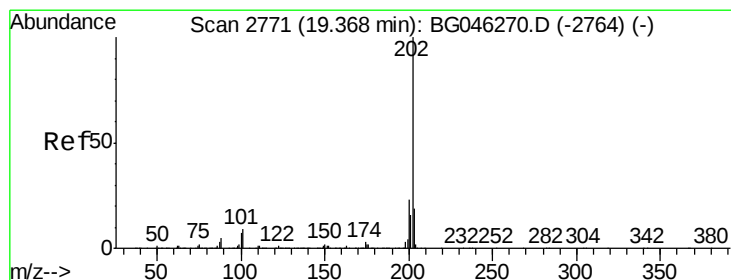
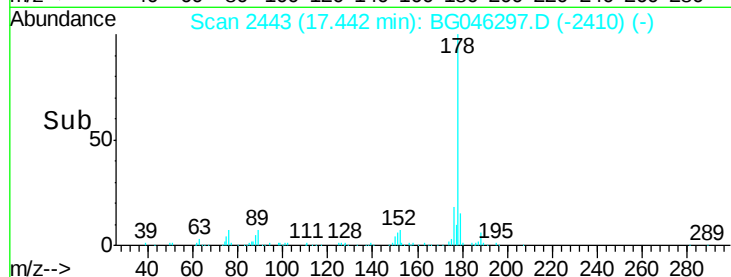
Tot Ion	178	Resp	73493
Ion Ratio	100	Lower	Upper
179	14.9	13.2	19.8
176	17.8	15.2	22.8



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

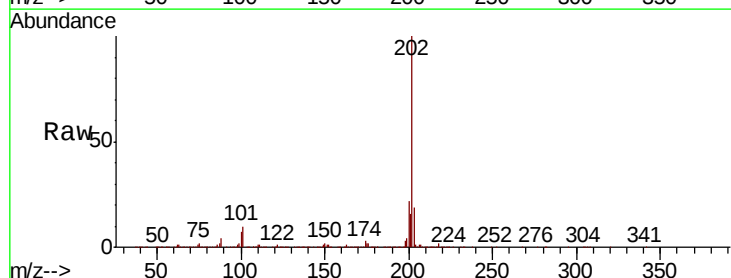


Time--> 17.35 17.40 17.45 17.50

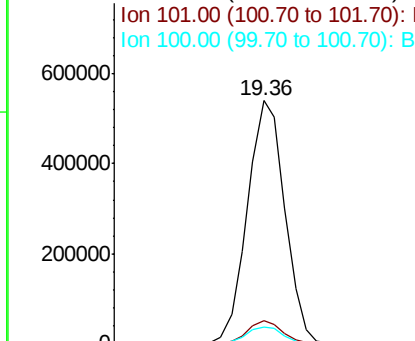


#17
 Fluoranthene
 Concen: 25.490 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.01 min
 Lab File: BG046297.D
 Acq: 17 Aug 2020 14:30

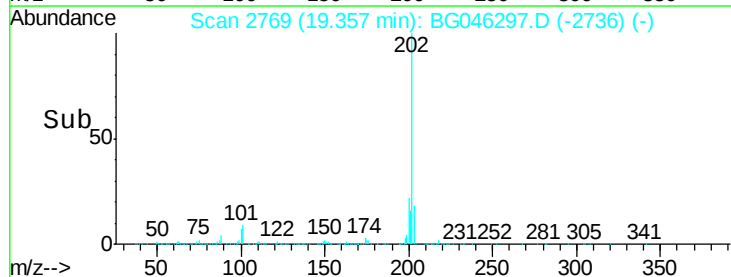
Tgt Ion	202	Resp	776066
Ion Ratio	100	Lower	Upper
101	9.6	7.8	11.6
100	7.0	5.9	8.9

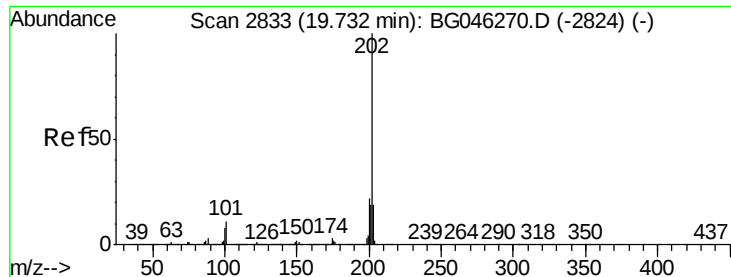


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time--> 19.30 19.35 19.40

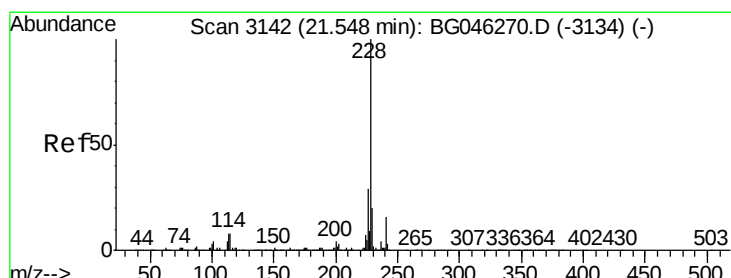
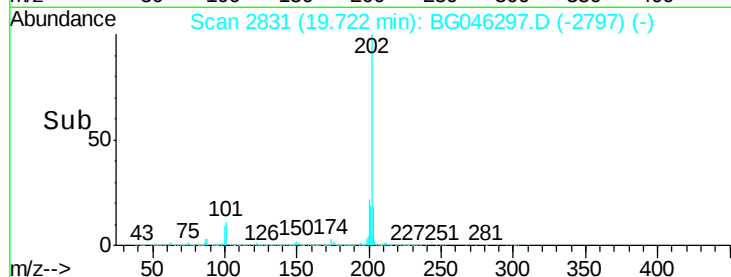
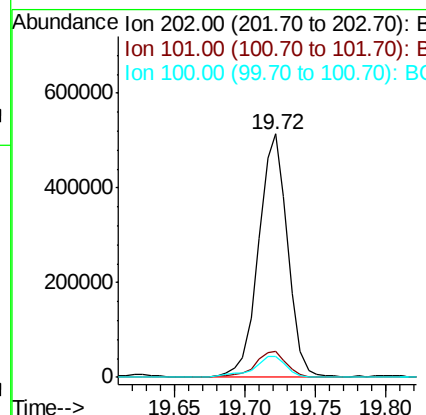
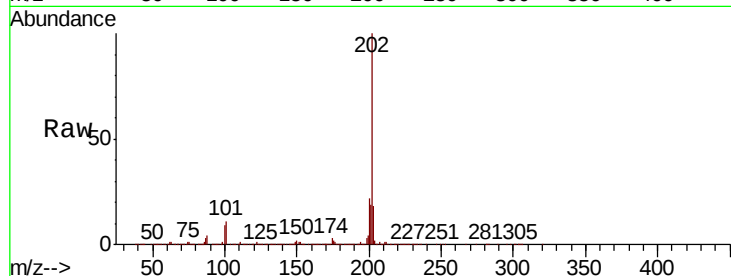




#20
Pvrene
Concen: 22.064 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046297.D
Acq: 17 Aug 2020 14:30

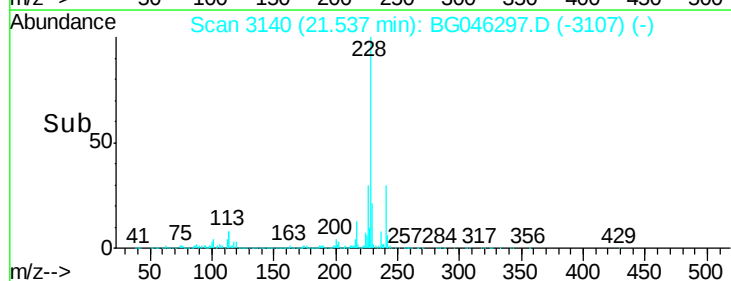
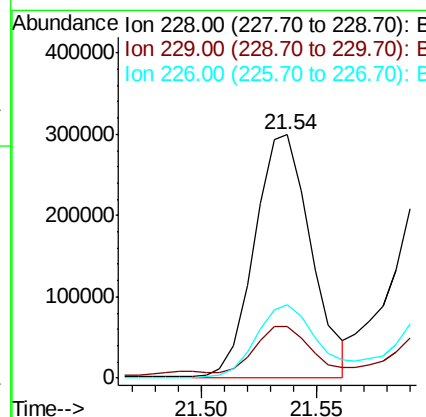
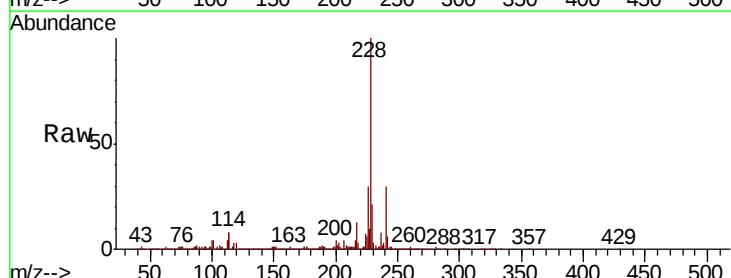
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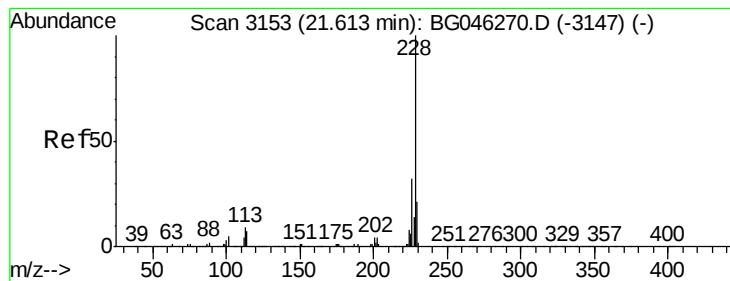
Tot Ion:	202	Resp:	740522
Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.9	13.3
100	8.6	7.9	11.9



#21
Benzo(a)anthracene
Concen: 15.234 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046297.D
Acq: 17 Aug 2020 14:30

Tgt Ion:	228	Resp:	506778
Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	30.4	22.6	33.8





#22

Chrysene

Concen: 15.563 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG046297.D

Acq: 17 Aug 2020 14:30

Instrument :

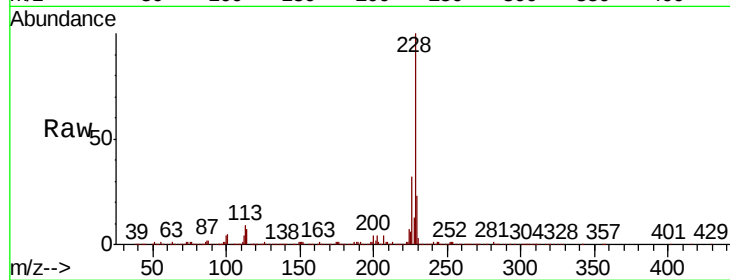
BNA_G

ClientSampleId :

BFM83

Tot Ion:228 Resp: 500496

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.5	38.3
229	23.2	17.0	25.4

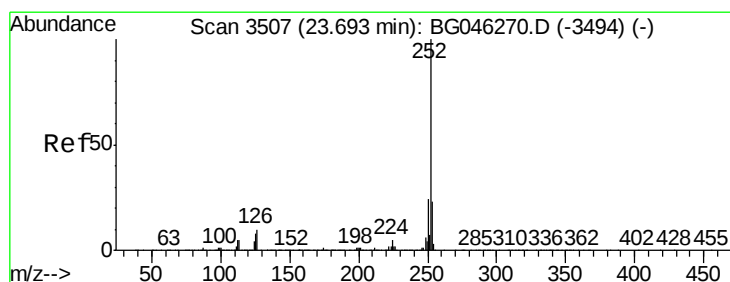
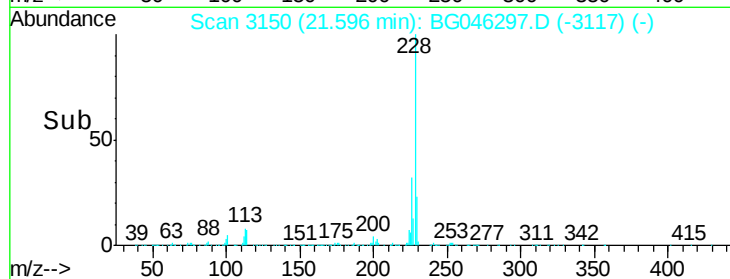
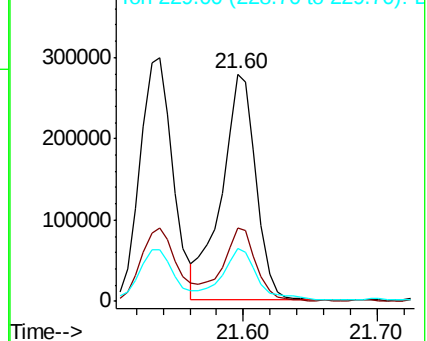


Abundance

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: 19.663 ng/ul

RT: 23.68 min Scan# 3505

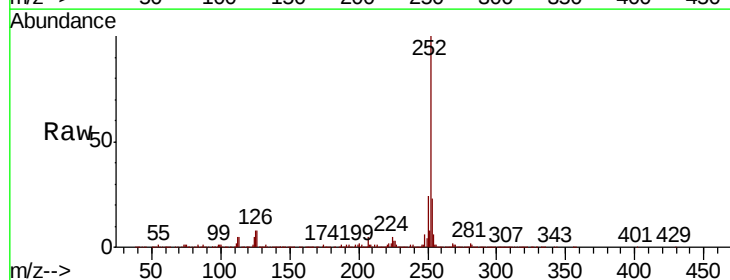
Delta R.T. -0.00 min

Lab File: BG046297.D

Acq: 17 Aug 2020 14:30

Tgt Ion:252 Resp: 712127

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	8.2	6.4	9.6

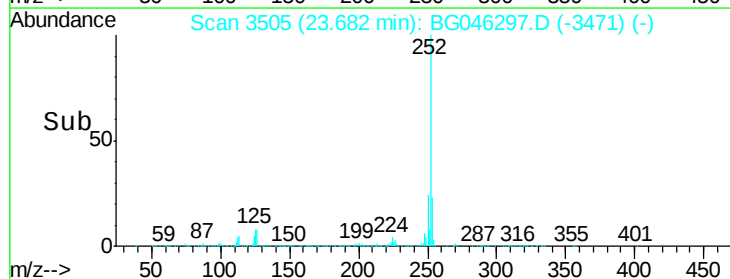
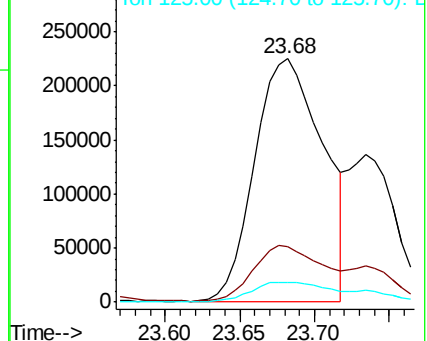


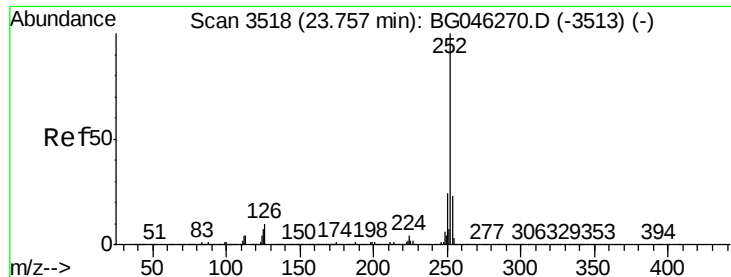
Abundance

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

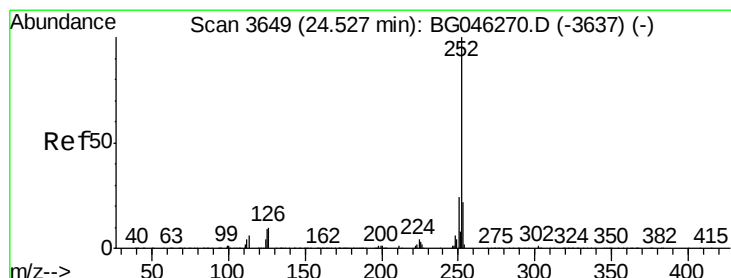
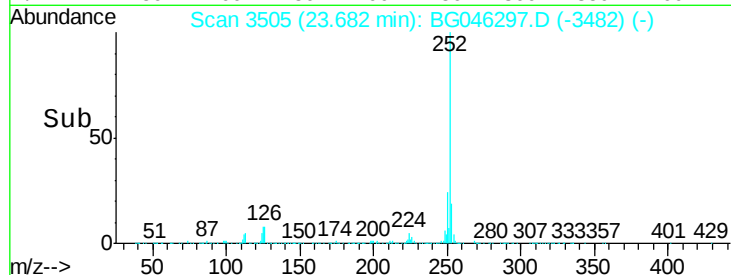
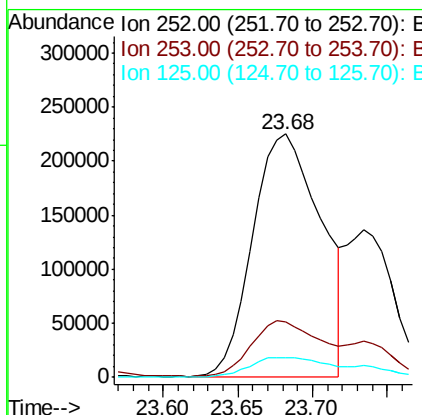
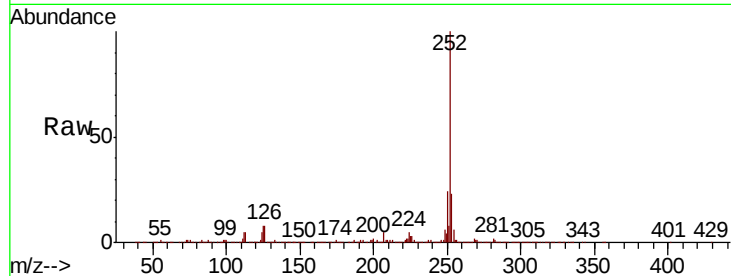




#25
Benzo(k)fluoranthene
Concen: 19.822 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.07 min
Lab File: BG046297.D
Acq: 17 Aug 2020 14:30

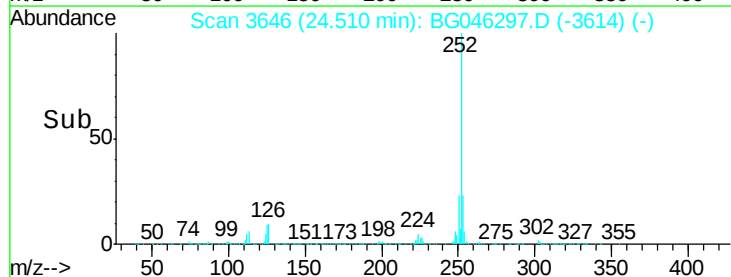
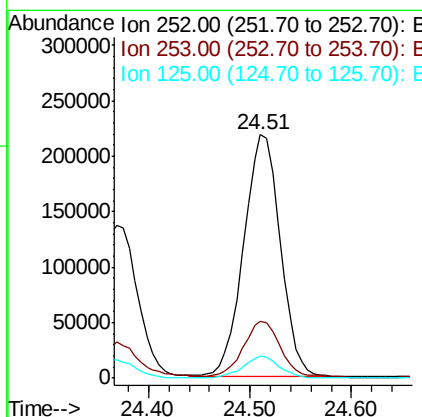
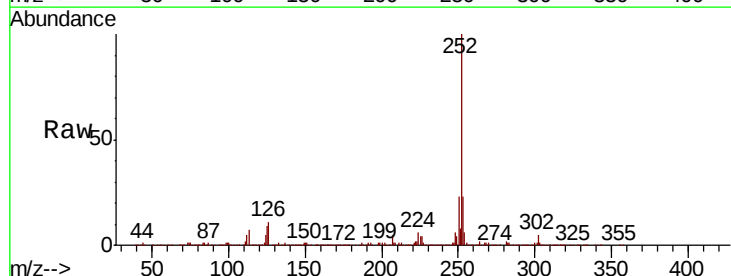
Instrument :
BNA_G
ClientSampleId :
BFM83

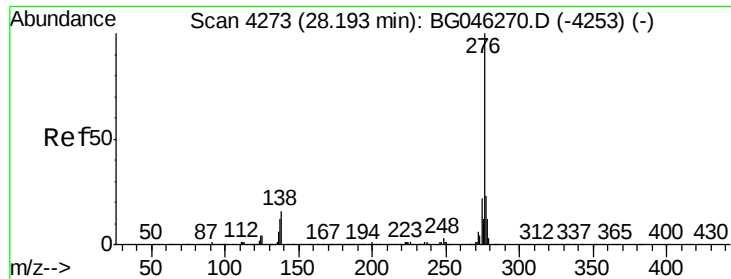
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	8.2	6.2	9.2



#27
Benzo(a)pyrene
Concen: 16.388 ng/ul
RT: 24.51 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG046297.D
Acq: 17 Aug 2020 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	8.9	7.1	10.7



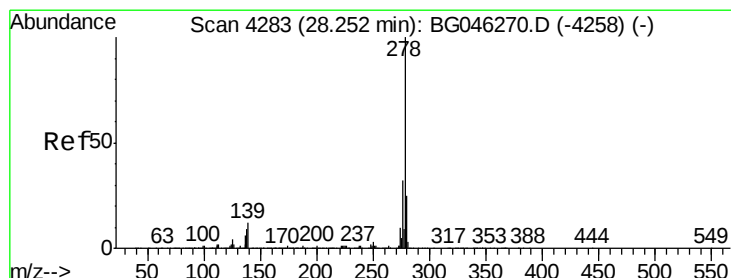
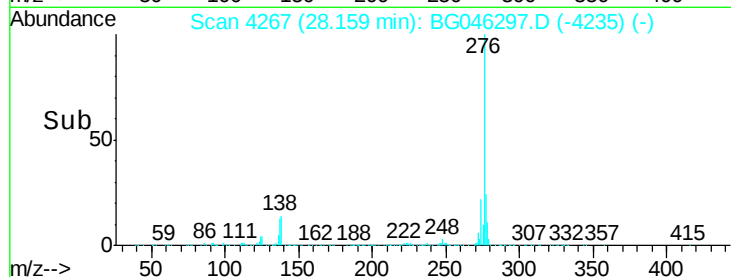
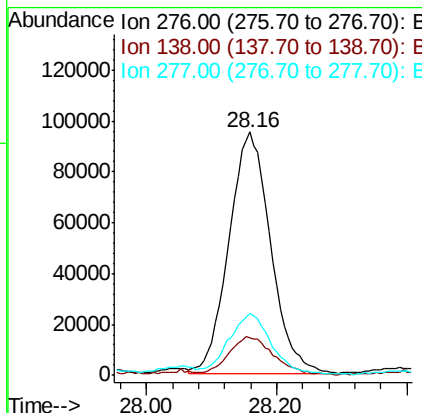
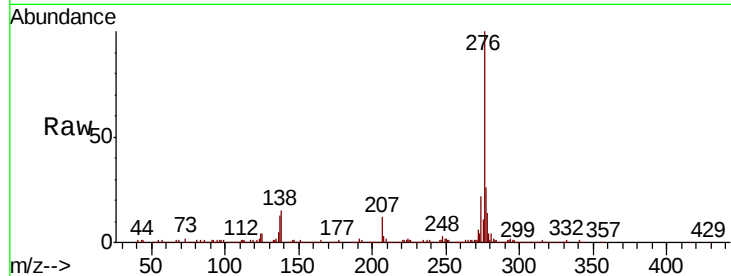


#28

Indeno(1,2,3-cd)pyrene
Concen: 10.087 ng/ul
RT: 28.16 min Scan# 4267
Delta R.T. -0.01 min
Lab File: BG046297.D
Acq: 17 Aug 2020 14:30

Instrument :
BNA_G
ClientSampleId :
BFM83

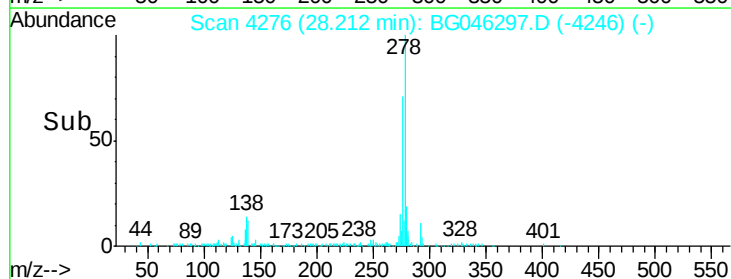
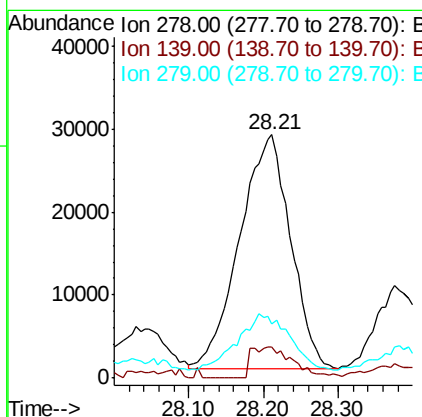
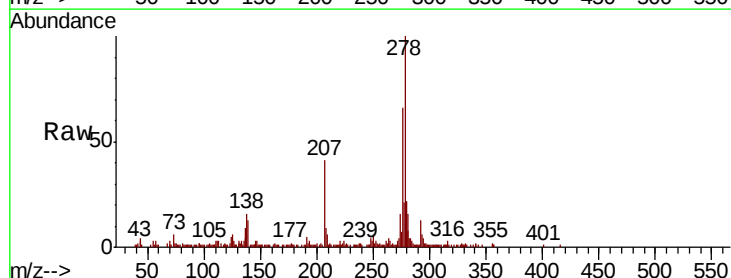
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	13.2	19.8
277	25.6	19.9	29.9

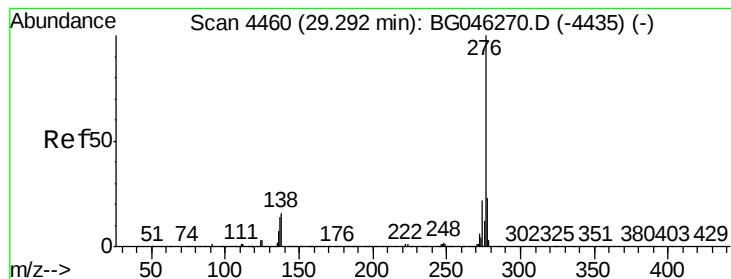


#29

Dibenzo(a,h)anthracene
Concen: 3.982 ng/ul
RT: 28.21 min Scan# 4276
Delta R.T. -0.03 min
Lab File: BG046297.D
Acq: 17 Aug 2020 14:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.8	14.8
279	22.1	19.7	29.5

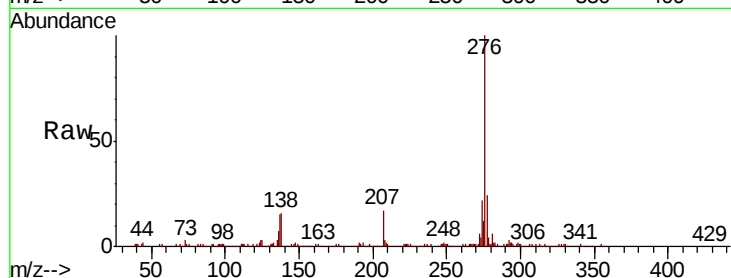




#30
 Benzo(a,h,i)perylene
 Concen: 9.202 ng/ul
 RT: 29.25 min Scan# 4453
 Delta R.T. -0.01 min
 Lab File: BG046297.D
 Acq: 17 Aug 2020 14:30

Instrument :
 BNA_G
 ClientSampleId :
 BFM83

Tot Ion:276	Resp:	320625
Ion Ratio	Lower	Upper
276	100	
138	15.8	12.9 19.3
277	23.5	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

