

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046315.D
 Acq On : 18 Aug 2020 3:58
 Operator : CG/JU
 Sample : L3632-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM93

Quant Time: Aug 18 05:15:19 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

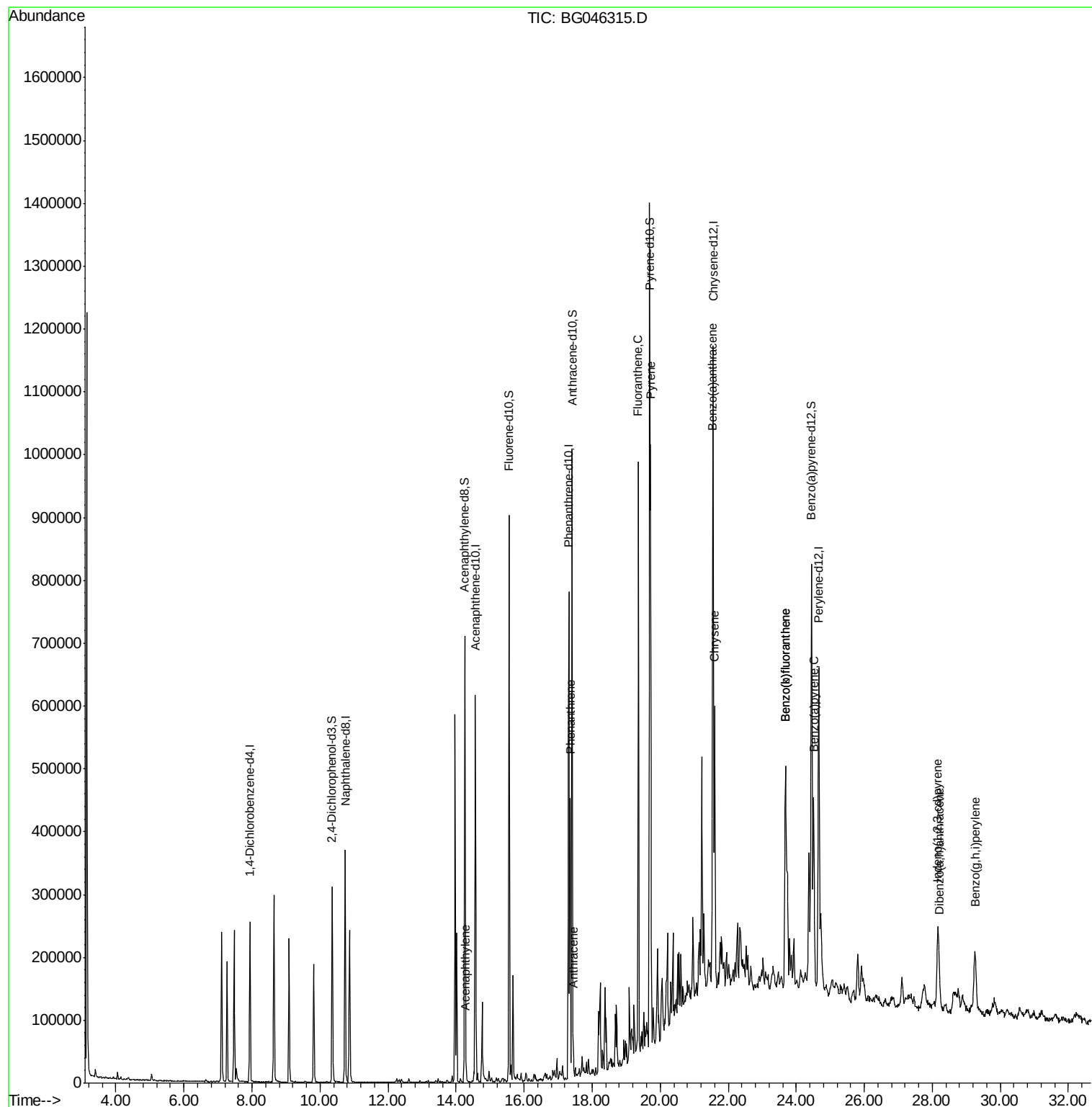
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	80406	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	331461	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	220399	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	508961	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	503751	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	534069	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	137487	24.09	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	517293	25.50	ng/ul	0.00
10) Fluorene-d10	15.56	176	396839	25.53	ng/ul	0.00
15) Anthracene-d10	17.41	188	583955	24.75	ng/ul	0.00
19) Pyrene-d10	19.69	212	673965	25.99	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	742763	25.49	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.29	152	25360	1.230	ng/ul	99
14) Phenanthrene	17.35	178	293998	10.500	ng/ul	100
16) Anthracene	17.44	178	38363	1.358	ng/ul	99
17) Fluoranthene	19.36	202	608992	19.506	ng/ul	99
20) Pyrene	19.72	202	607342	18.367	ng/ul	98
21) Benzo(a)anthracene	21.54	228	310724	9.480	ng/ul	95
22) Chrysene	21.60	228	344314	10.867	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	452610	12.816	ng/ul	99
25) Benzo(k)fluoranthene	23.68	252	452610	12.919	ng/ul	99
27) Benzo(a)pyrene	24.52	252	317652	9.797	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.16	276	232516	5.727	ng/ul	97
29) Dibenzo(a,h)anthracene	28.21	278	38484	1.169	ng/ul	99
30) Benzo(a,h,i)perylene	29.26	276	194033	5.711	ng/ul	98

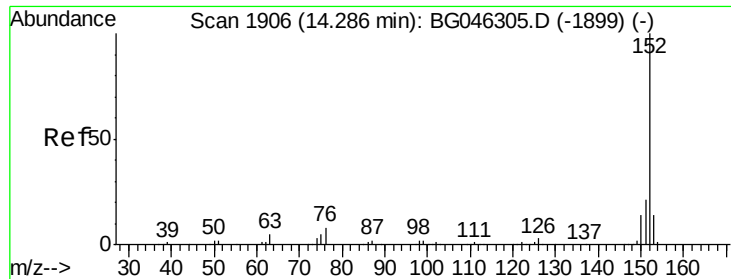
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.230 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

Instrument :

BNA_G

ClientSampleId :

BFM93

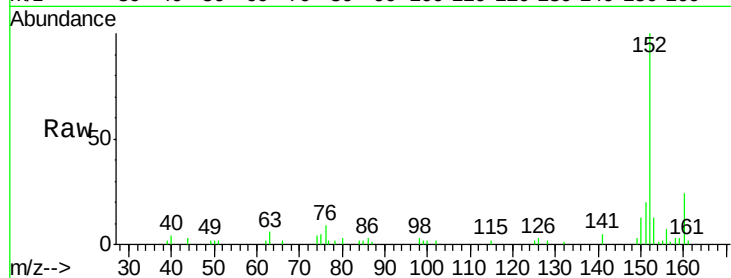
Tot Ion:152 Resp: 25360

Ion Ratio Lower Upper

152 100

151 20.0 16.5 24.7

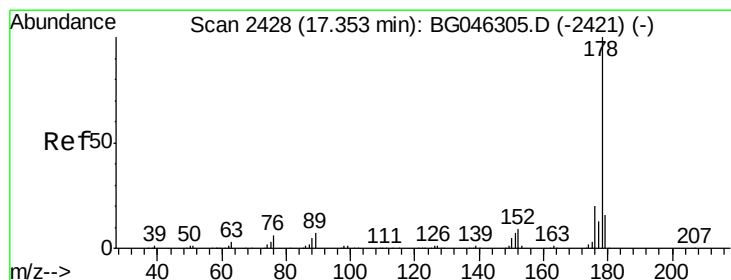
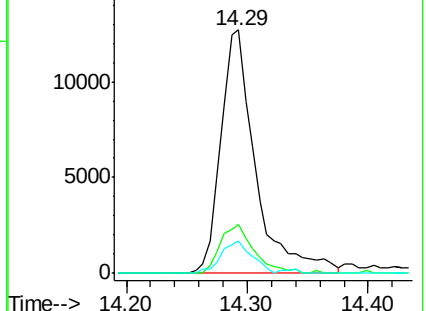
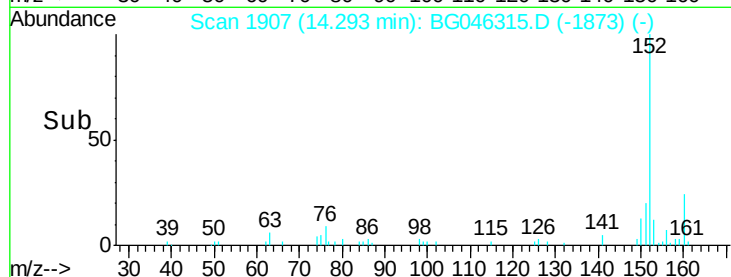
153 13.2 11.0 16.6



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: 10.500 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

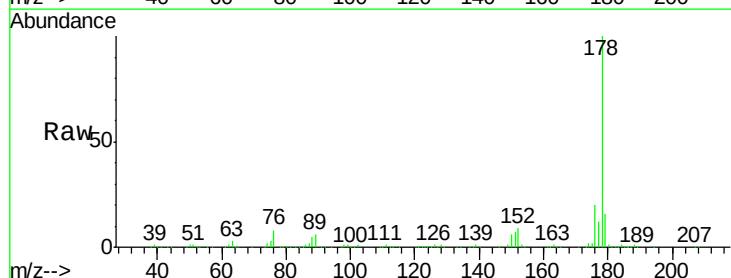
Tgt Ion:178 Resp: 293998

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

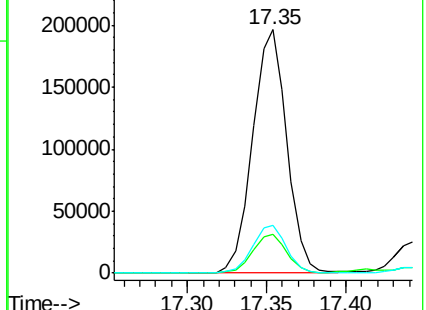
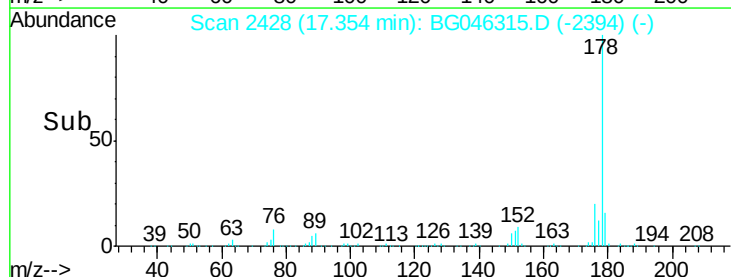
176 19.7 15.8 23.8

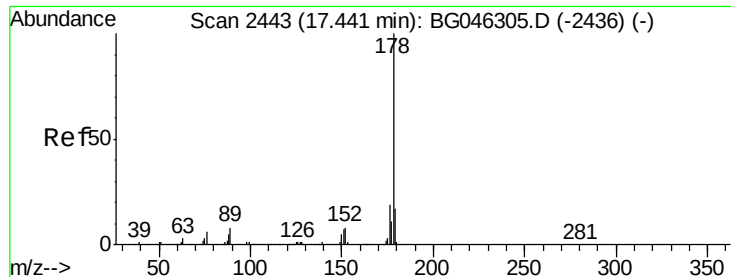


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

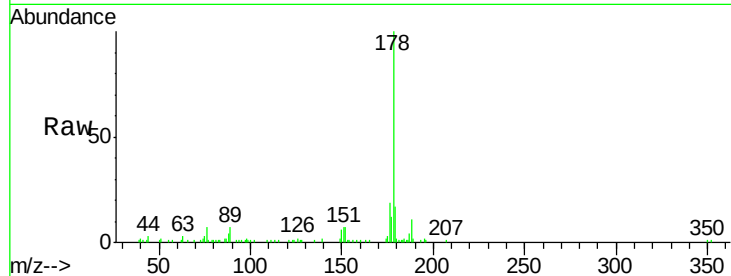




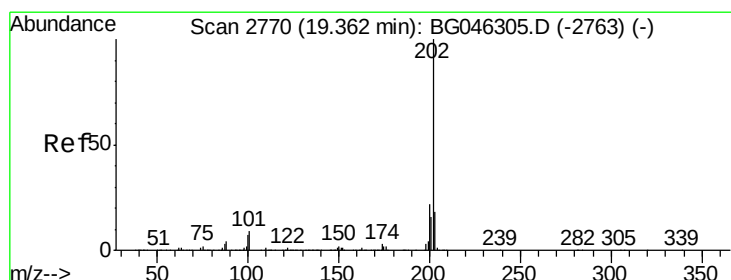
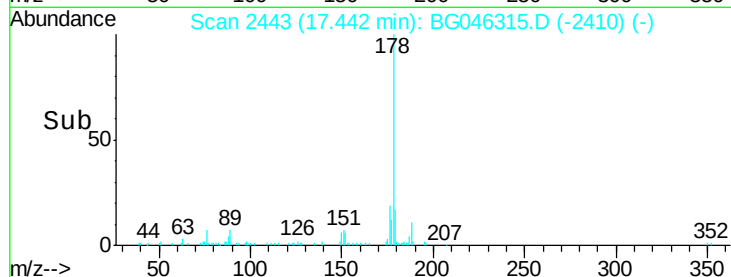
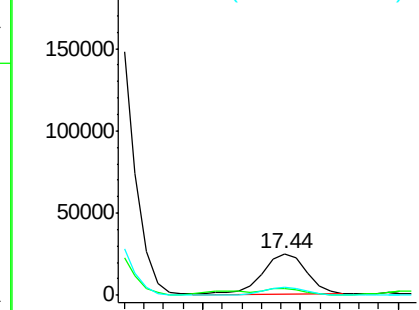
#16
 Anthracene
 Concen: 1.358 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046315.D
 Acq: 18 Aug 2020 3:58

Instrument :
 BNA_G
 ClientSampleId :
 BFM93

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.2	13.2	19.8
176	19.1	15.2	22.8

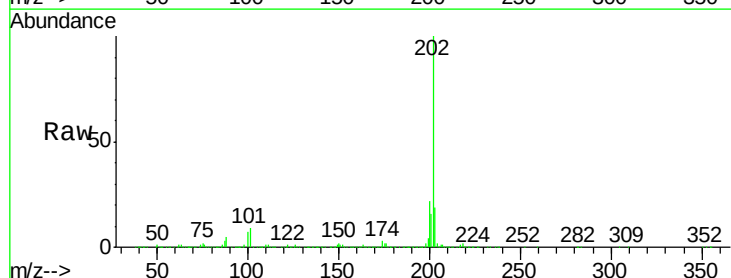


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

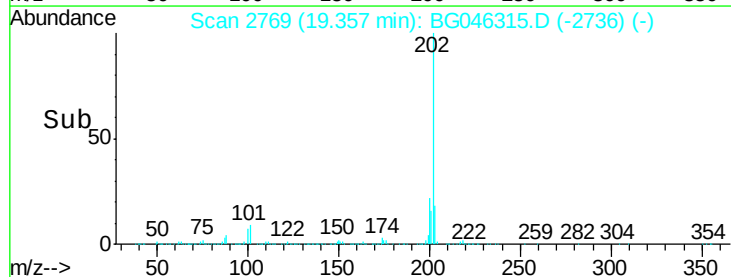
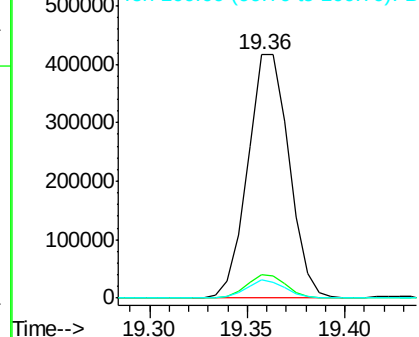


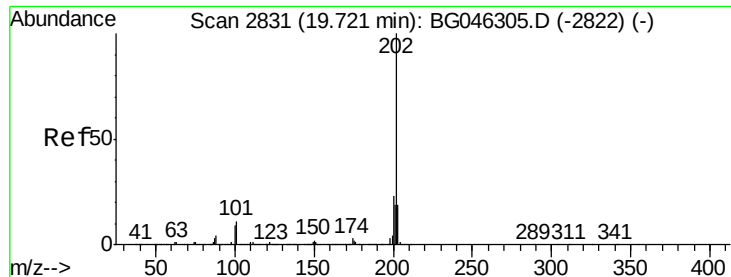
#17
 Fluoranthene
 Concen: 19.506 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.01 min
 Lab File: BG046315.D
 Acq: 18 Aug 2020 3:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.8	11.6
100	7.4	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: 18.367 ng/ul

RT: 19.72 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

Instrument :

BNA_G

ClientSampleId :

BFM93

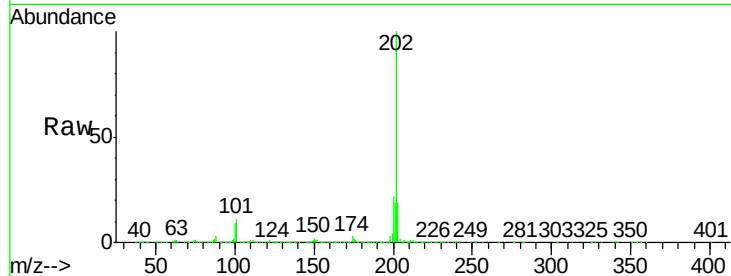
Tot Ion:202 Resp: 607342

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

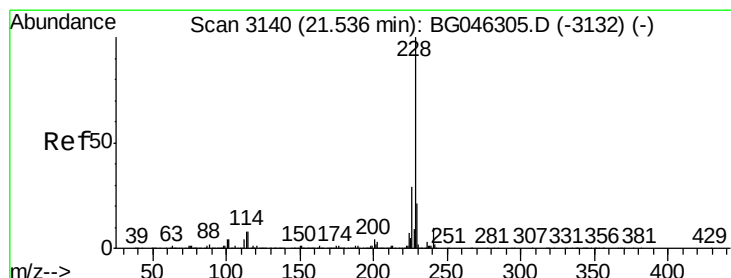
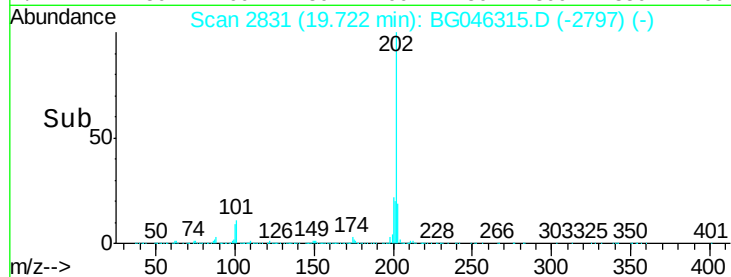
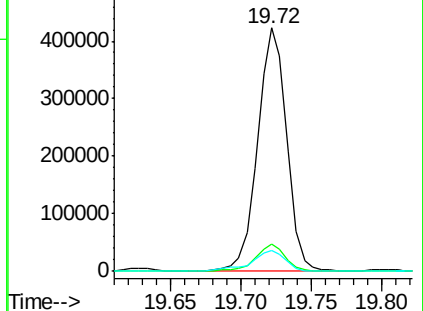
100 8.7 7.9 11.9



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: 9.480 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.01 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

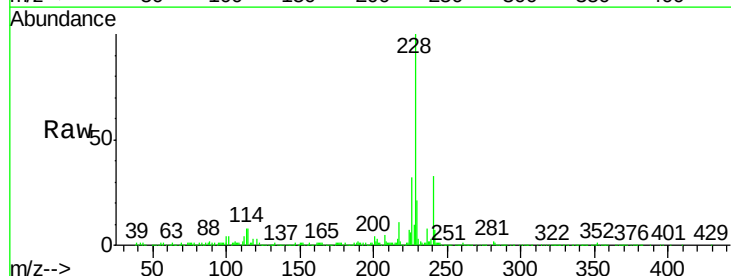
Tgt Ion:228 Resp: 310724

Ion Ratio Lower Upper

228 100

229 21.3 16.6 25.0

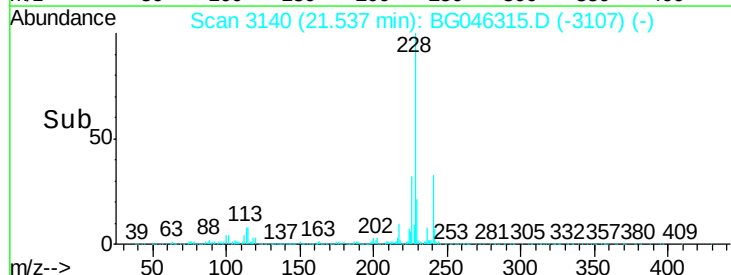
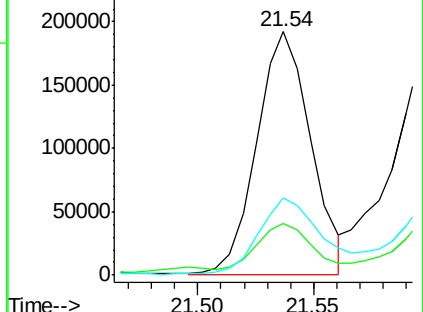
226 31.9 22.6 33.8

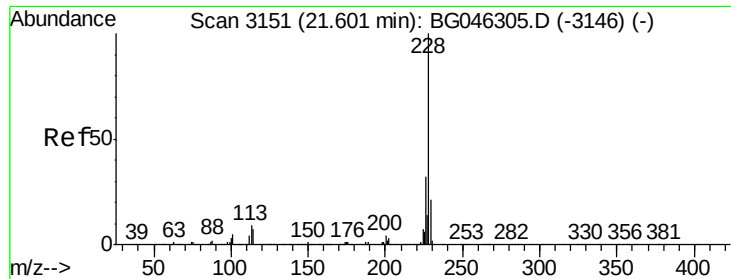


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 10.867 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

Instrument :

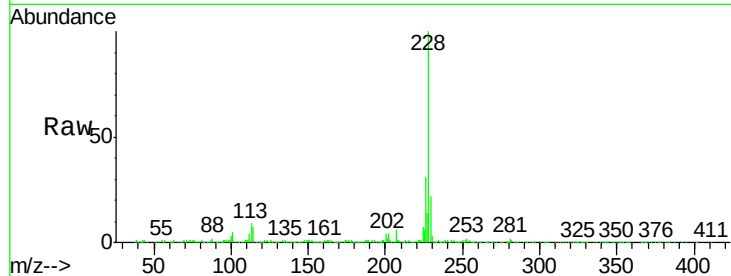
BNA_G

ClientSampleId :

BFM93

Tot Ion:228 Resp: 344314

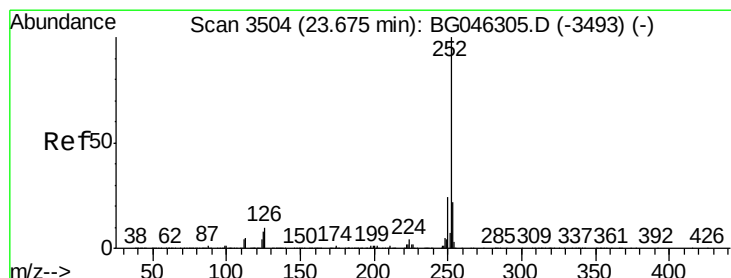
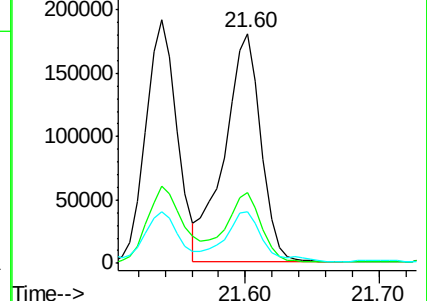
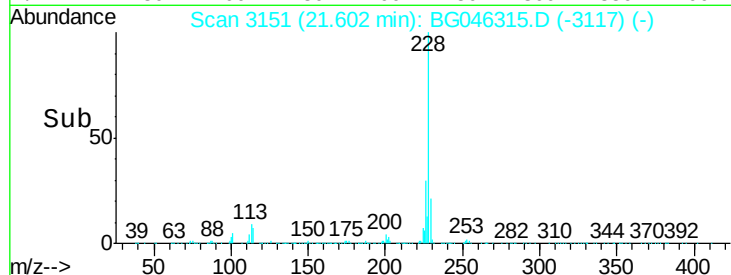
Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.5	38.3
229	22.2	17.0	25.4



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: 12.816 ng/ul

RT: 23.68 min Scan# 3505

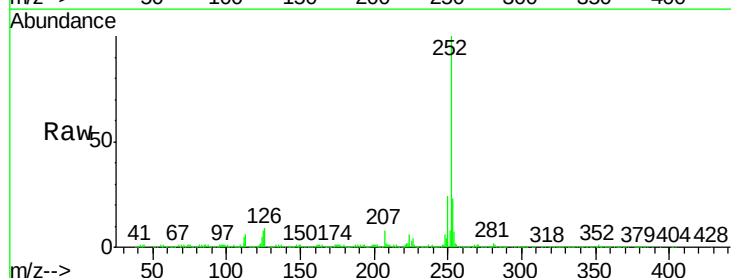
Delta R.T. -0.00 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

Tgt Ion:252 Resp: 452610

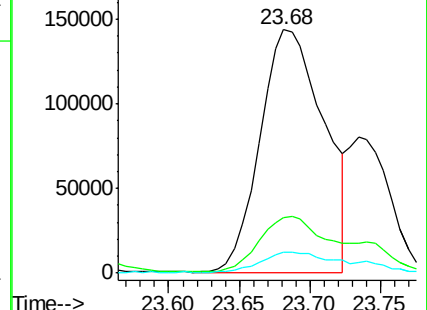
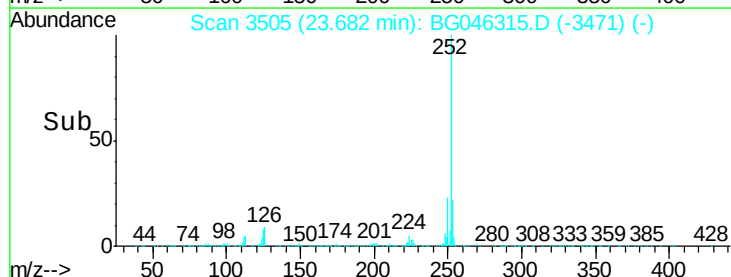
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	8.3	6.4	9.6

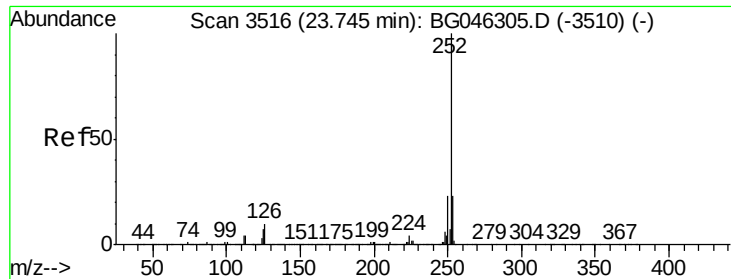


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 12.919 ng/ul

RT: 23.68 min Scan# 3505

Delta R.T. -0.07 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

Instrument :

BNA_G

ClientSampleId :

BFM93

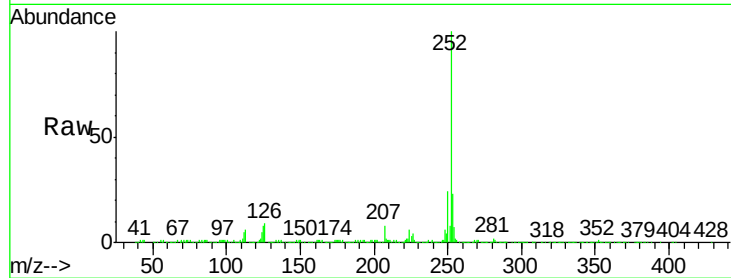
Tot Ion:252 Resp: 452610

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

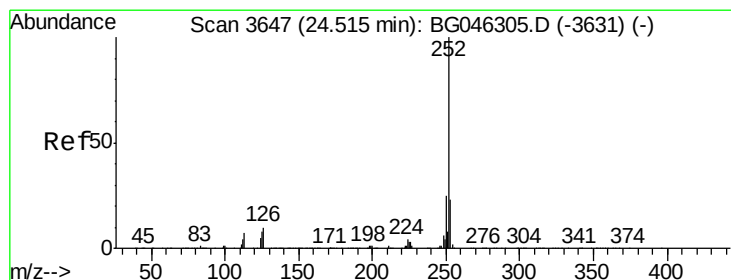
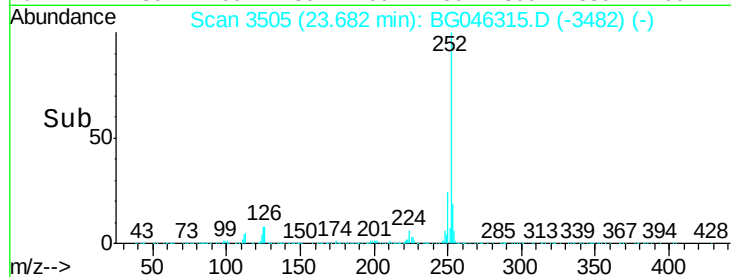
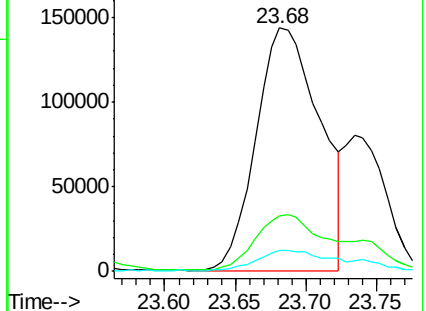
125 8.3 6.2 9.2



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: 9.797 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. -0.01 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

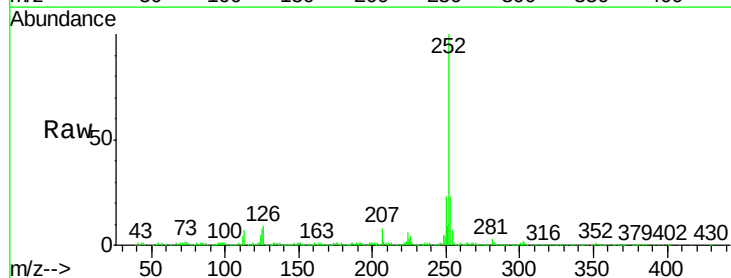
Tgt Ion:252 Resp: 317652

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

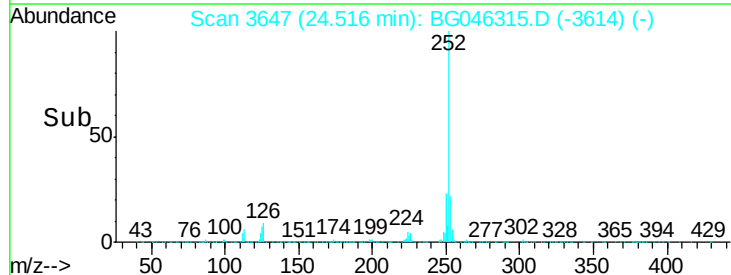
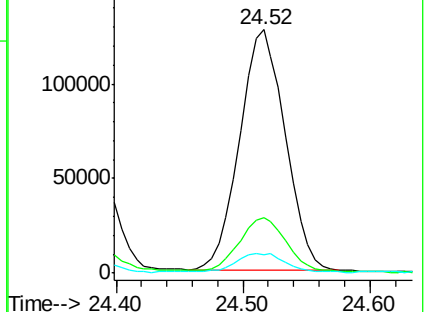
125 7.7 7.1 10.7

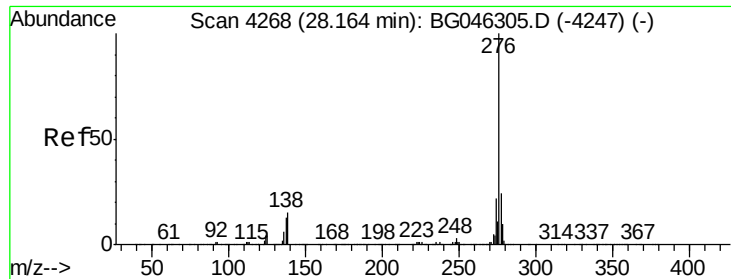


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



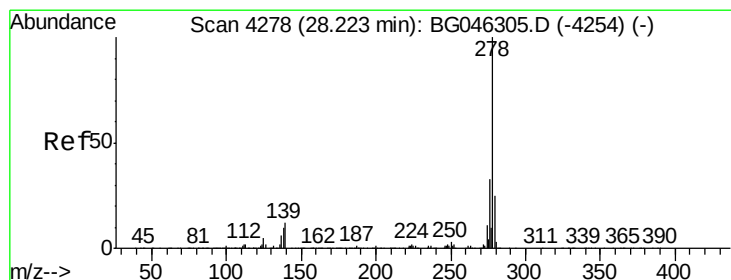
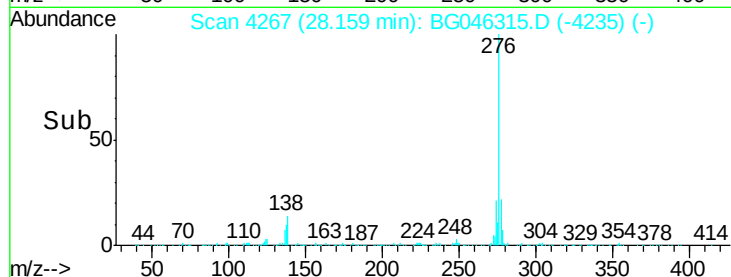
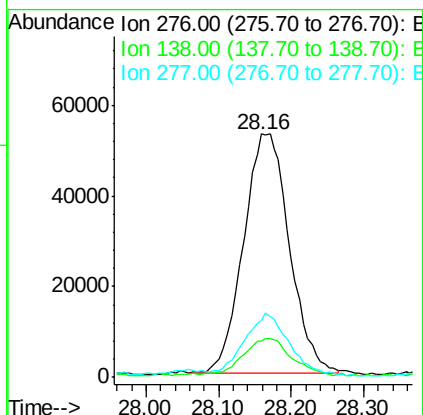
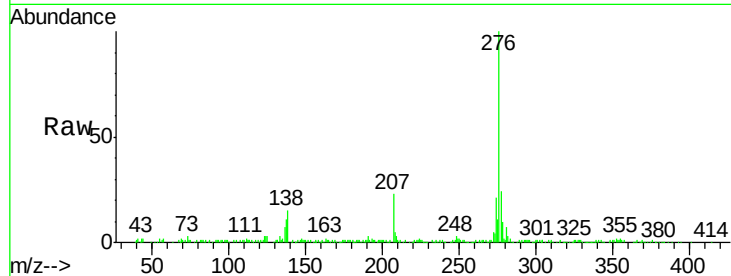


#28

Indeno(1,2,3-cd)pyrene
Concen: 5.727 ng/ul
RT: 28.16 min Scan# 4267
Delta R.T. -0.01 min
Lab File: BG046315.D
Acq: 18 Aug 2020 3:58

Instrument :
BNA_G
ClientSampleId :
BFM93

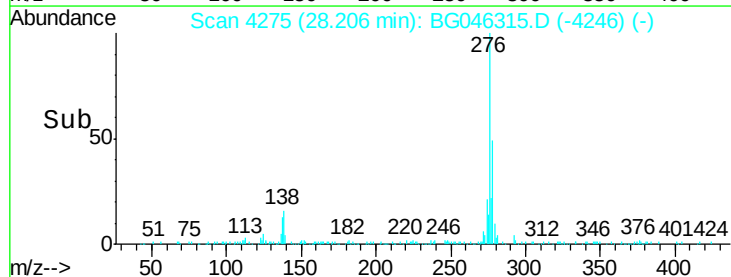
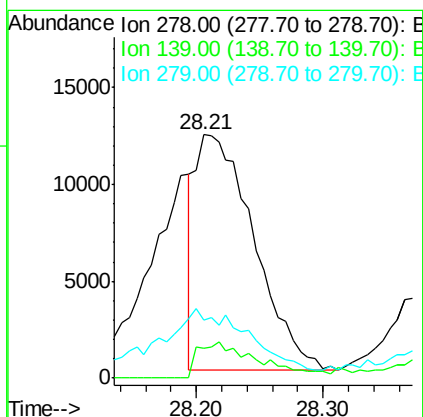
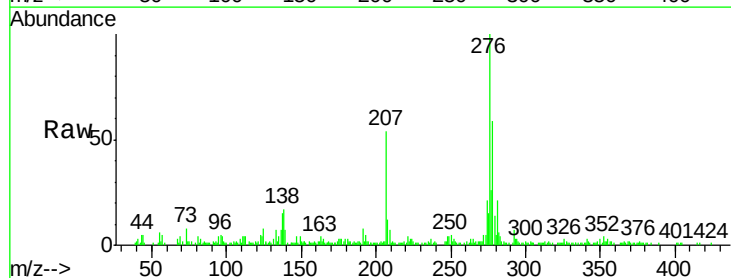
Tot Ion	Ratio	Lower	Upper
276	100		
138	14.8	13.2	19.8
277	23.5	19.9	29.9

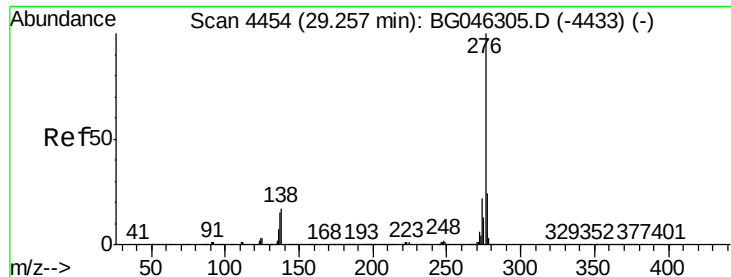


#29

Dibenzo(a,h)anthracene
Concen: 1.169 ng/ul
RT: 28.21 min Scan# 4275
Delta R.T. -0.03 min
Lab File: BG046315.D
Acq: 18 Aug 2020 3:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.8	14.8
279	23.9	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 5.711 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. -0.01 min

Lab File: BG046315.D

Acq: 18 Aug 2020 3:58

Instrument :

BNA_G

ClientSampleId :

BFM93

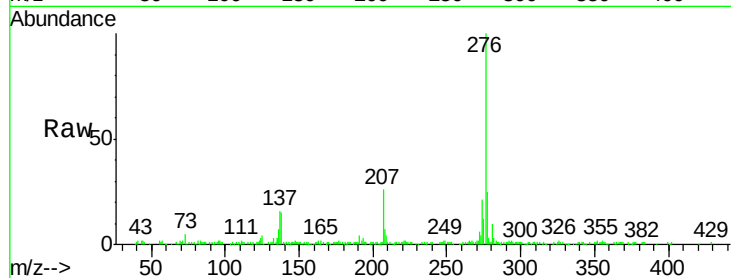
Tot Ion: 276 Resp: 194033

Ion Ratio Lower Upper

276 100

138 14.8 12.9 19.3

277 24.6 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

