

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046313.D
 Acq On : 18 Aug 2020 2:38
 Operator : CG/JU
 Sample : L3632-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM88

Quant Time: Aug 18 04:19:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 02:05:56 2020
 Response via : Initial Calibration

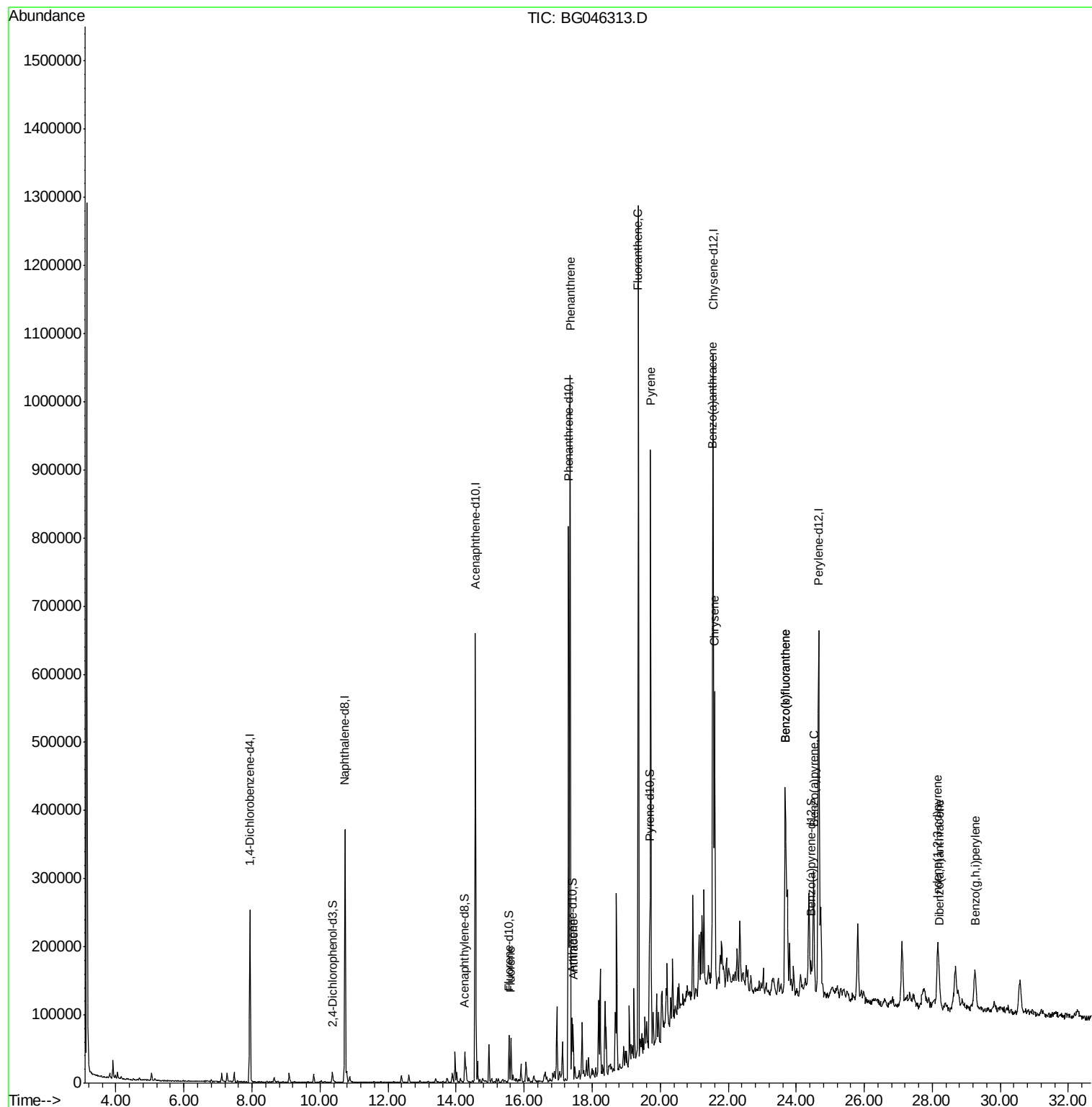
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	81421	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	342658	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	234035	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	528151	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	530557	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	564383	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	6926	1.17	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	34306	1.59	ng/ul	0.00
10) Fluorene-d10	15.56	176	28888	1.75	ng/ul	0.00
15) Anthracene-d10	17.41	188	44853	1.83	ng/ul	0.00
19) Pyrene-d10	19.69	212	49782	1.82	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	50229	1.63	ng/ul	0.00
Target Compounds				Qvalue		
11) Fluorene	15.62	166	31697	1.734	ng/ul	99
14) Phenanthrene	17.35	178	691733	23.807	ng/ul	99
16) Anthracene	17.44	178	59301	2.023	ng/ul	98
17) Fluoranthene	19.36	202	795455	24.552	ng/ul	99
20) Pyrene	19.72	202	580955	16.682	ng/ul	98
21) Benzo(a)anthracene	21.54	228	207059	5.998	ng/ul	100
22) Chrysene	21.60	228	325021	9.740	ng/ul	99
24) Benzo(b)fluoranthene	23.68	252	370113	9.917	ng/ul	98
25) Benzo(k)fluoranthene	23.68	252	370113	9.997	ng/ul	100
27) Benzo(a)pyrene	24.51	252	181403	5.294	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.17	276	162179	3.780	ng/ul	97
29) Dibenzo(a,h)anthracene	28.21	278	36506	1.049	ng/ul	96
30) Benzo(a,h,i)perylene	29.26	276	107940	3.006	ng/ul	97

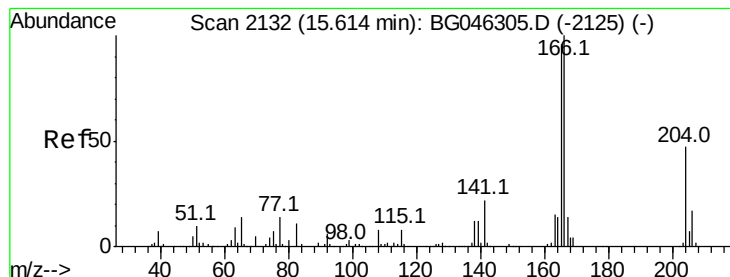
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

Fluorene

Concen: 1.734 ng/ul

RT: 15.62 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

Instrument :

BNA_G

ClientSampleId :

BFM88

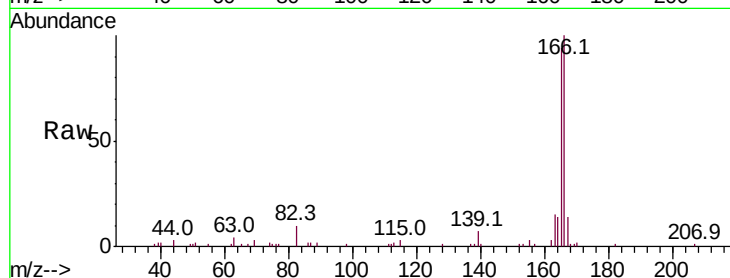
Tot Ion:166 Resp: 31697

Ion Ratio Lower Upper

166 100

165 93.6 75.9 113.9

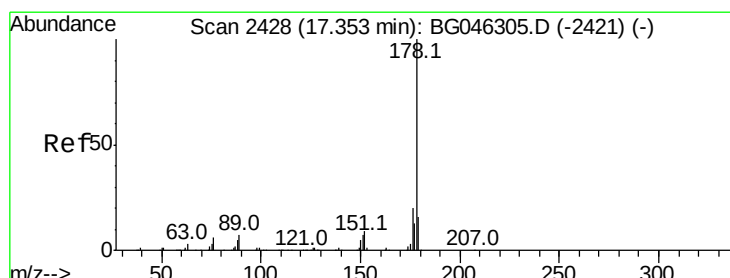
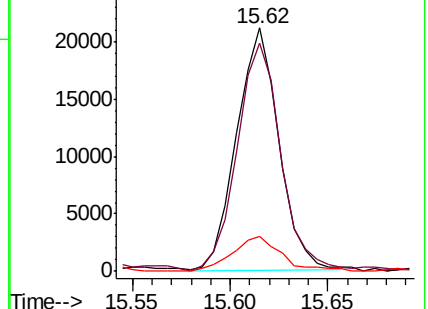
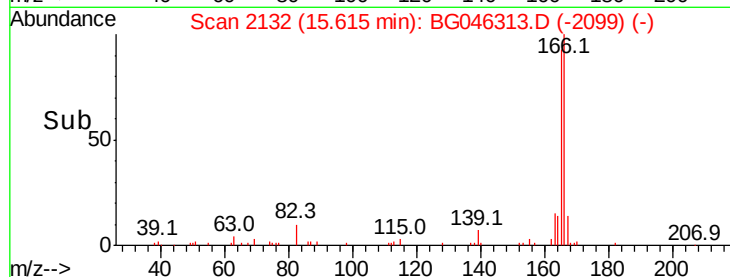
167 14.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14

Phenanthrene

Concen: 23.807 ng/ul

RT: 17.35 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

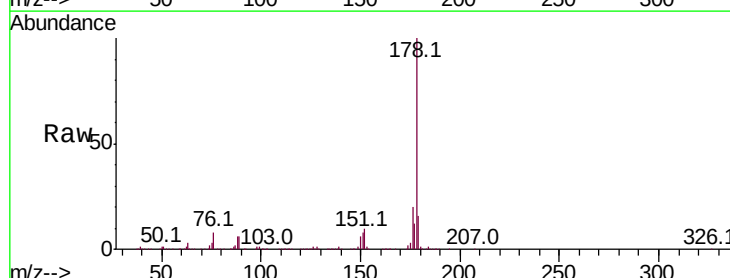
Tgt Ion:178 Resp: 691733

Ion Ratio Lower Upper

178 100

179 16.3 12.8 19.2

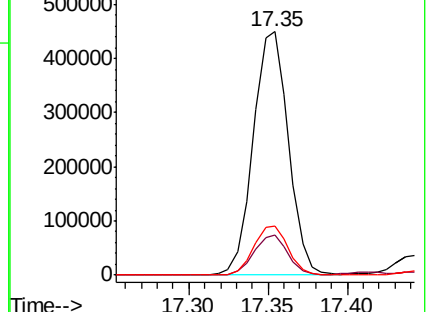
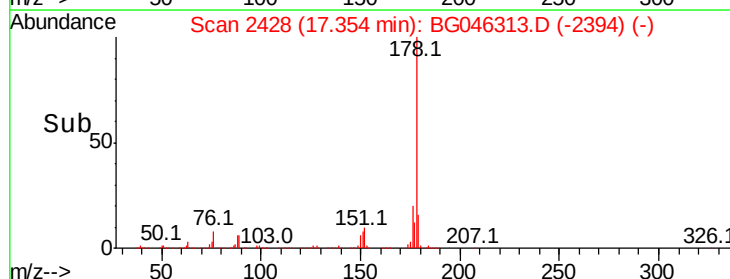
176 20.2 15.8 23.8

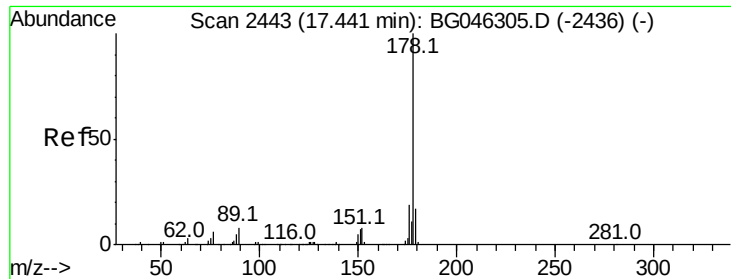


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

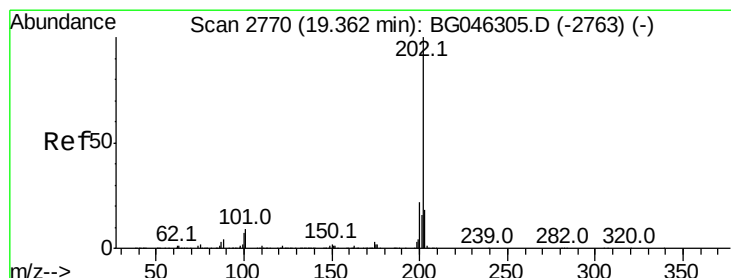
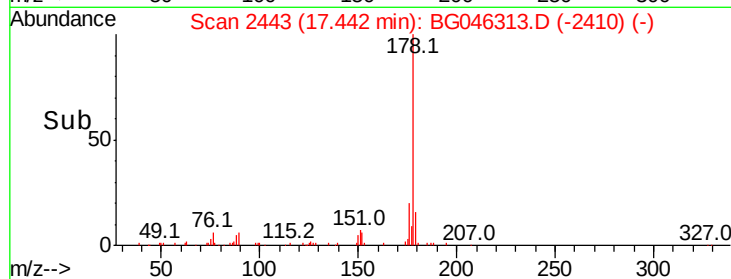
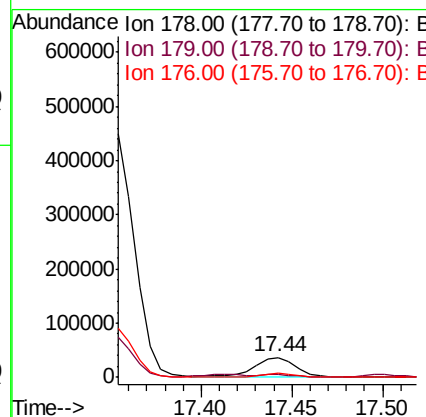
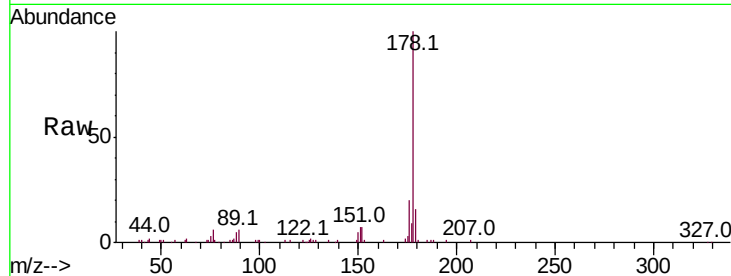




#16
 Anthracene
 Concen: 2.023 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046313.D
 Acq: 18 Aug 2020 2:38

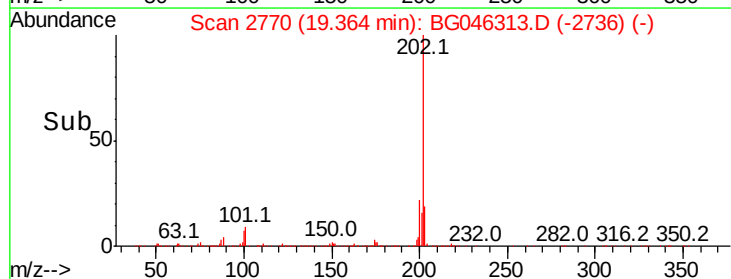
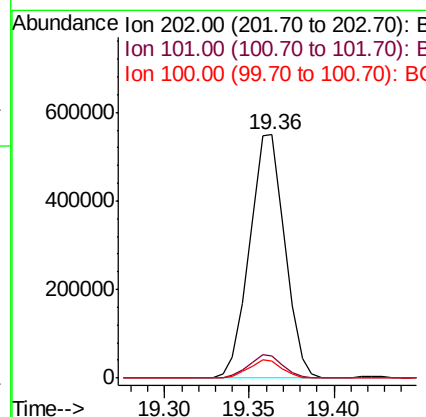
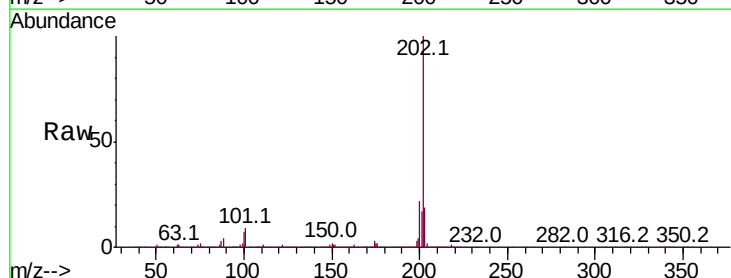
Instrument :
 BNA_G
 ClientSampleId :
 BFM88

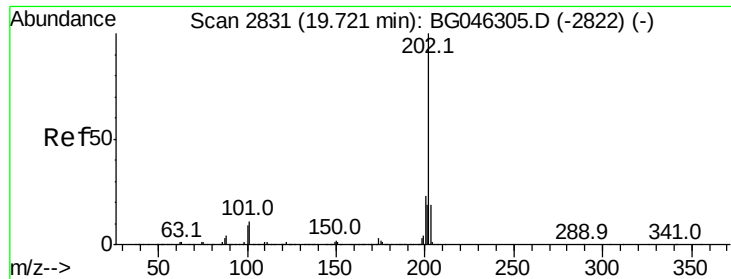
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.2	19.8
176	19.6	15.2	22.8



#17
 Fluoranthene
 Concen: 24.552 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046313.D
 Acq: 18 Aug 2020 2:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.8	11.6
100	6.9	5.9	8.9

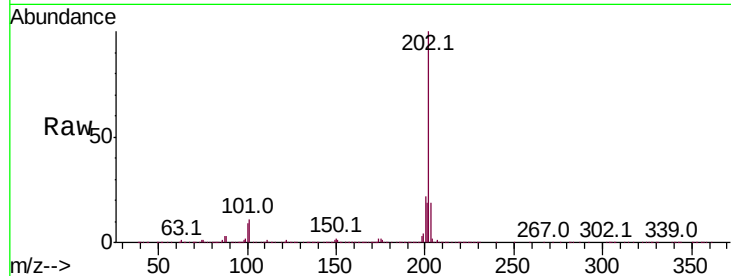




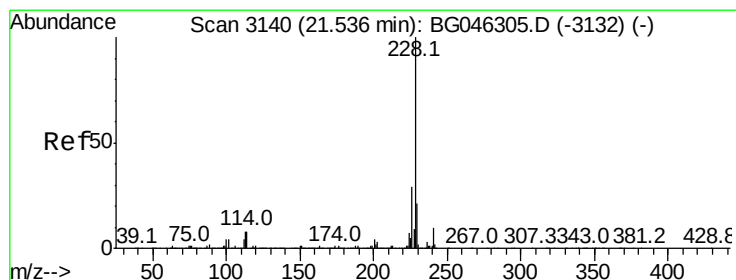
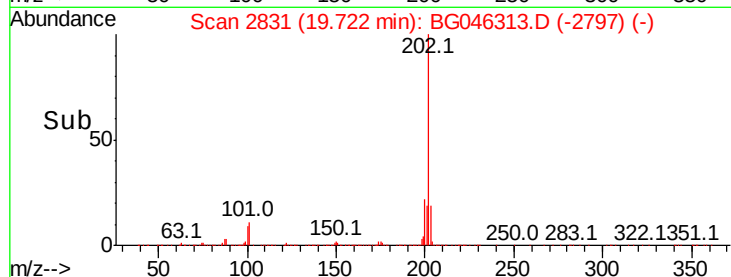
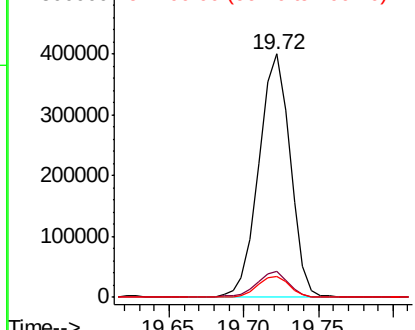
#20
Pvrene
Concen: 16.682 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046313.D
Acq: 18 Aug 2020 2:38

Instrument :
BNA_G
ClientSampleId :
BFM88

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.9	13.3
100	8.6	7.9	11.9

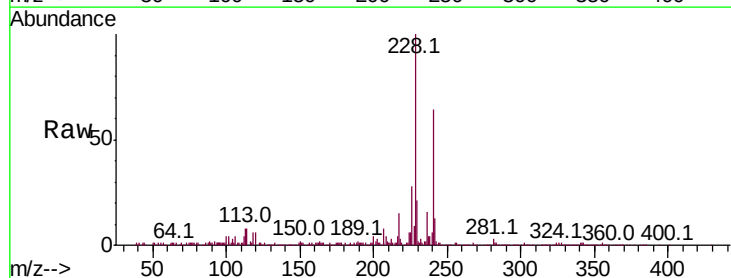


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

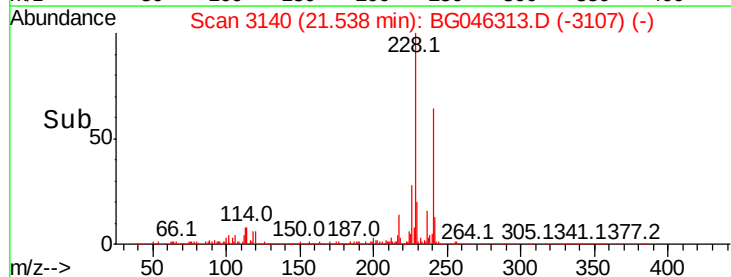
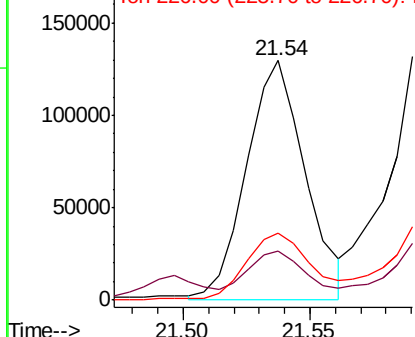


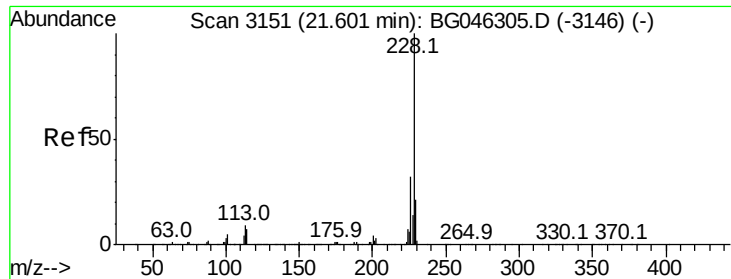
#21
Benzo(a)anthracene
Concen: 5.998 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046313.D
Acq: 18 Aug 2020 2:38

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	16.6	25.0
226	27.9	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: 9.740 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

Instrument :

BNA_G

ClientSampleId :

BFM88

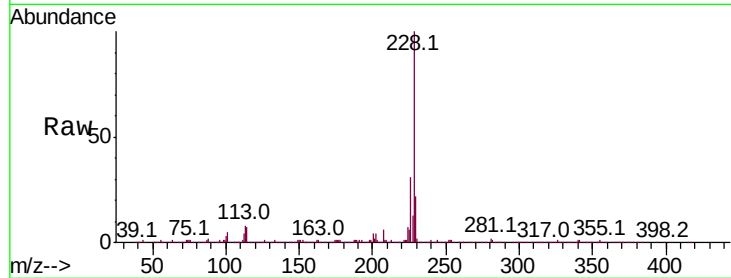
Tot Ion:228 Resp: 325021

Ion Ratio Lower Upper

228 100

226 31.2 25.5 38.3

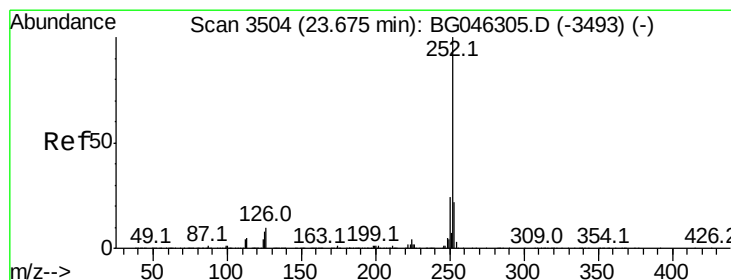
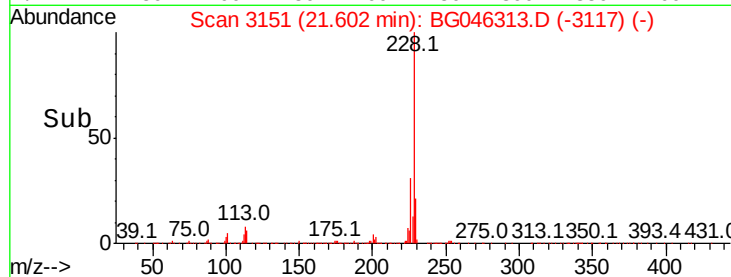
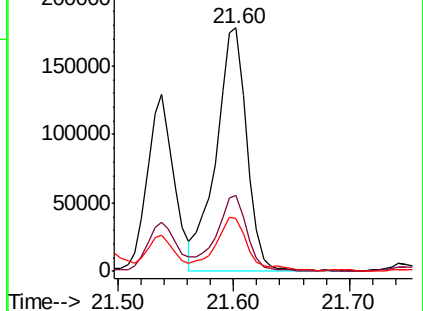
229 21.7 17.0 25.4



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: 9.917 ng/ul

RT: 23.68 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

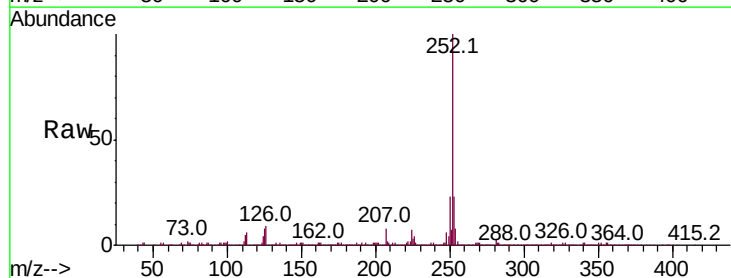
Tgt Ion:252 Resp: 370113

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

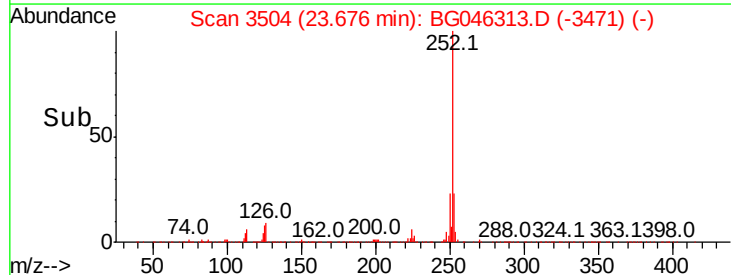
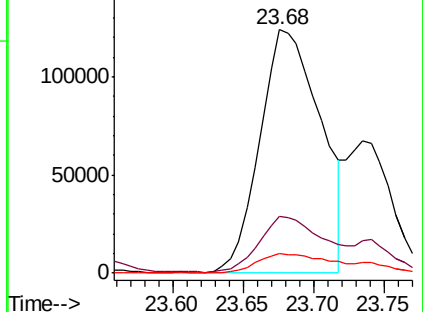
125 8.1 6.4 9.6

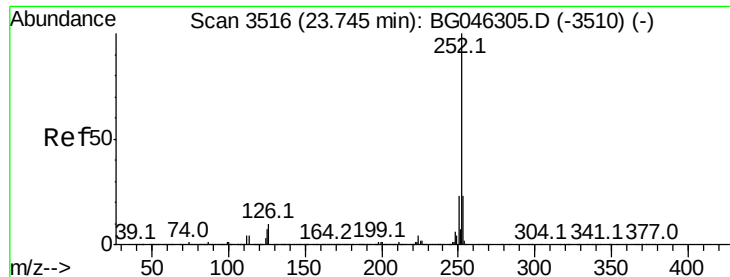


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 9.997 ng/ul

RT: 23.68 min Scan# 3504

Delta R.T. -0.07 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

Instrument :

BNA_G

ClientSampleId :

BFM88

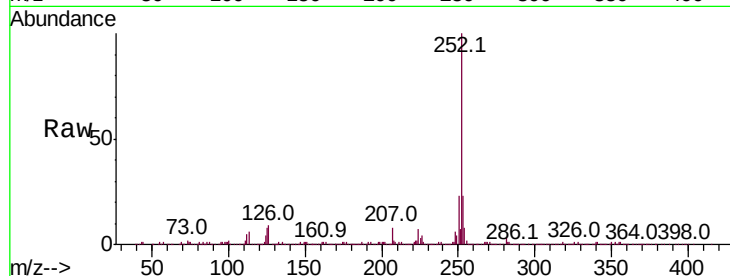
Tot Ion:252 Resp: 370113

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

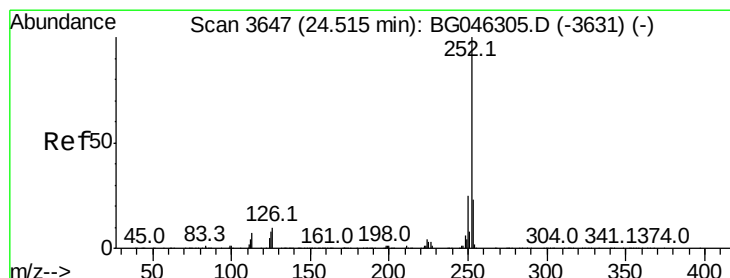
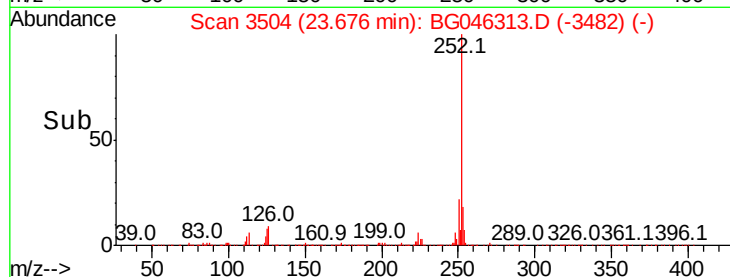
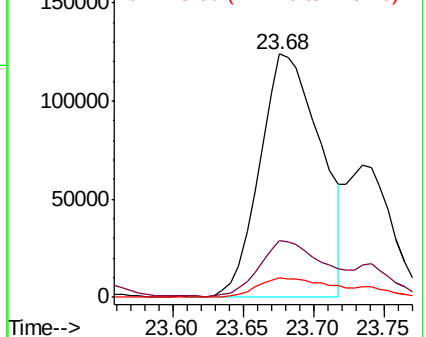
125 8.1 6.2 9.2



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: 5.294 ng/ul

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

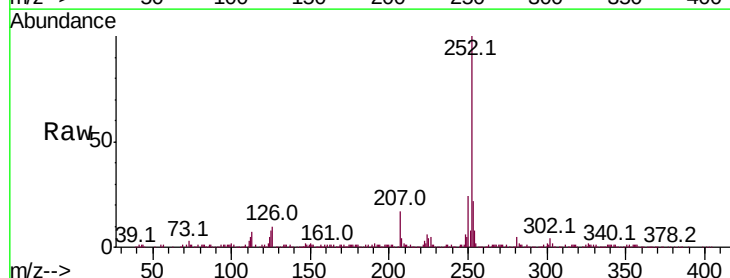
Tgt Ion:252 Resp: 181403

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

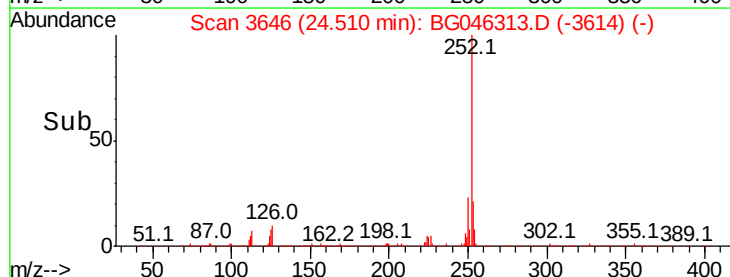
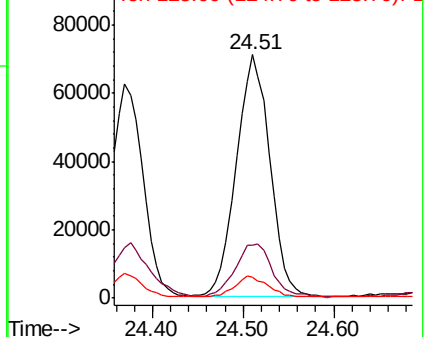
125 8.4 7.1 10.7

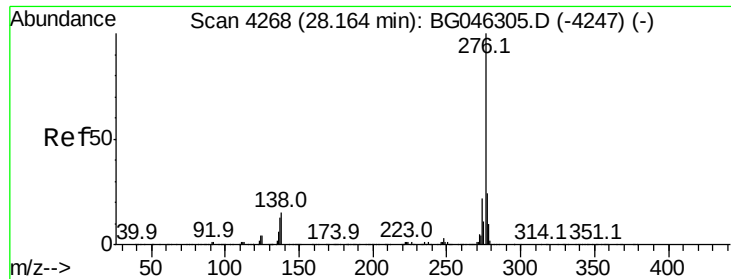


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



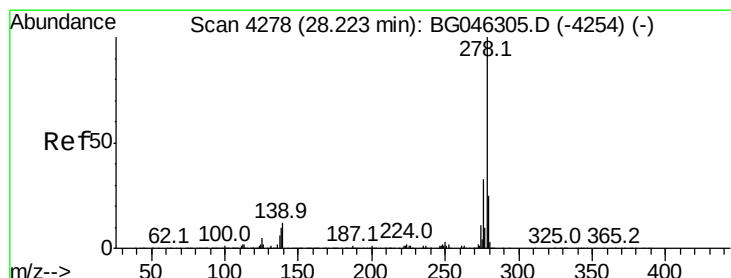
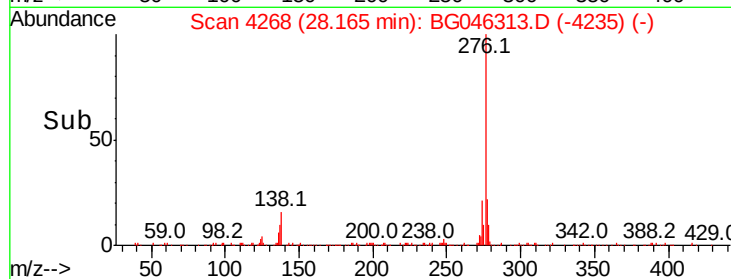
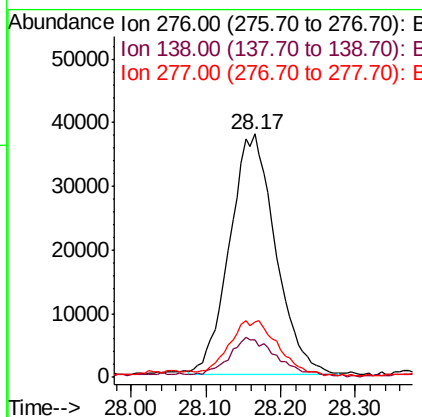
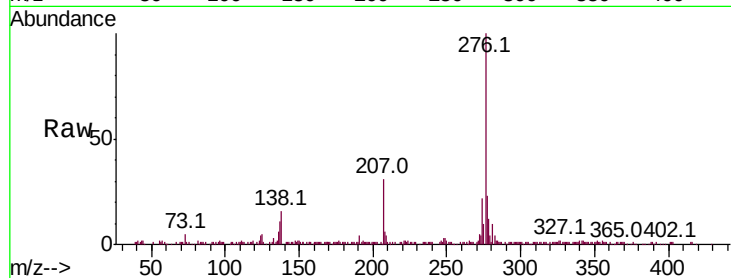


#28

Indeno(1,2,3-cd)pyrene
Concen: 3.780 ng/ul
RT: 28.17 min Scan# 4268
Delta R.T. -0.01 min
Lab File: BG046313.D
Acq: 18 Aug 2020 2:38

Instrument :
BNA_G
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BFM88

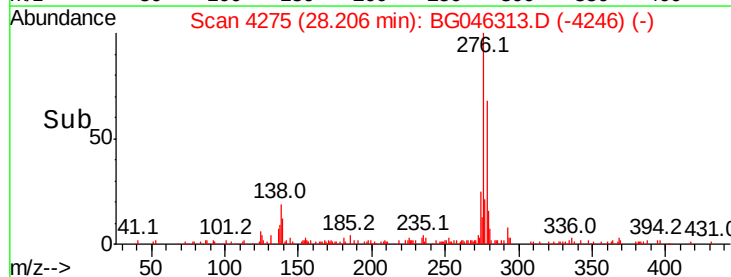
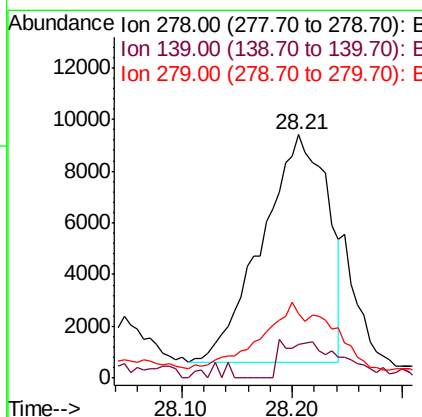
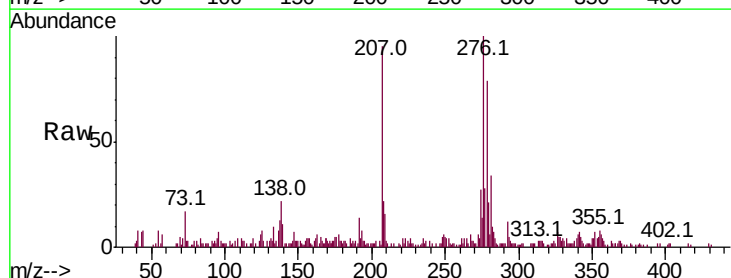
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.7	13.2	19.8
277	22.9	19.9	29.9

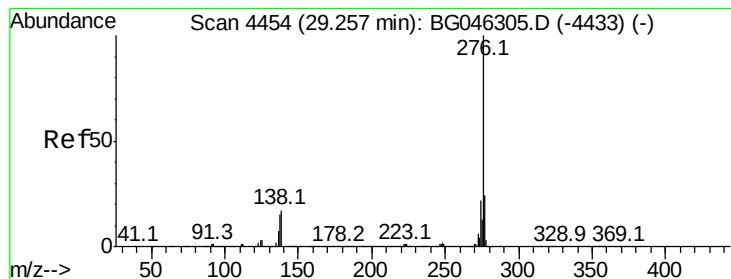


#29

Dibenzo(a,h)anthracene
Concen: 1.049 ng/ul
RT: 28.21 min Scan# 4275
Delta R.T. -0.03 min
Lab File: BG046313.D
Acq: 18 Aug 2020 2:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.0	9.8	14.8
279	26.6	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 3.006 ng/ul

RT: 29.26 min Scan# 4454

Delta R.T. -0.01 min

Lab File: BG046313.D

Acq: 18 Aug 2020 2:38

Instrument :

BNA_G

ClientSampleId :

BFM88

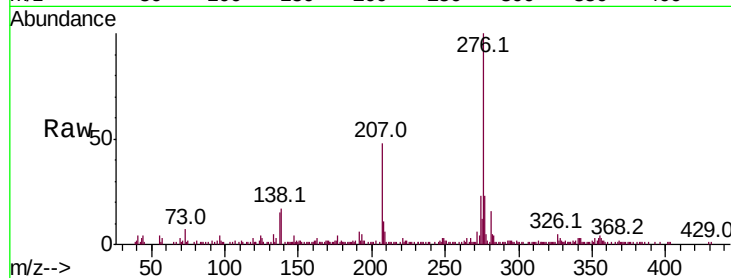
Tot Ion:276 Resp: 107940

Ion Ratio Lower Upper

276 100

138 17.4 12.9 19.3

277 22.8 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

