

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046300.D
 Acq On : 17 Aug 2020 16:31
 Operator : CG/JU
 Sample : L3632-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM84

Quant Time: Aug 18 01:25:33 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	65564	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	269500	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	198140	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	505515	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	515568	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	553114	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.36	165	144915	31.23	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	598990	32.85	ng/ul	0.00
10) Fluorene-d10	15.56	176	464961	33.28	ng/ul	0.00
15) Anthracene-d10	17.41	188	747121	31.88	ng/ul	0.00
19) Pyrene-d10	19.69	212	882265	33.25	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	990726	32.82	ng/ul	0.00

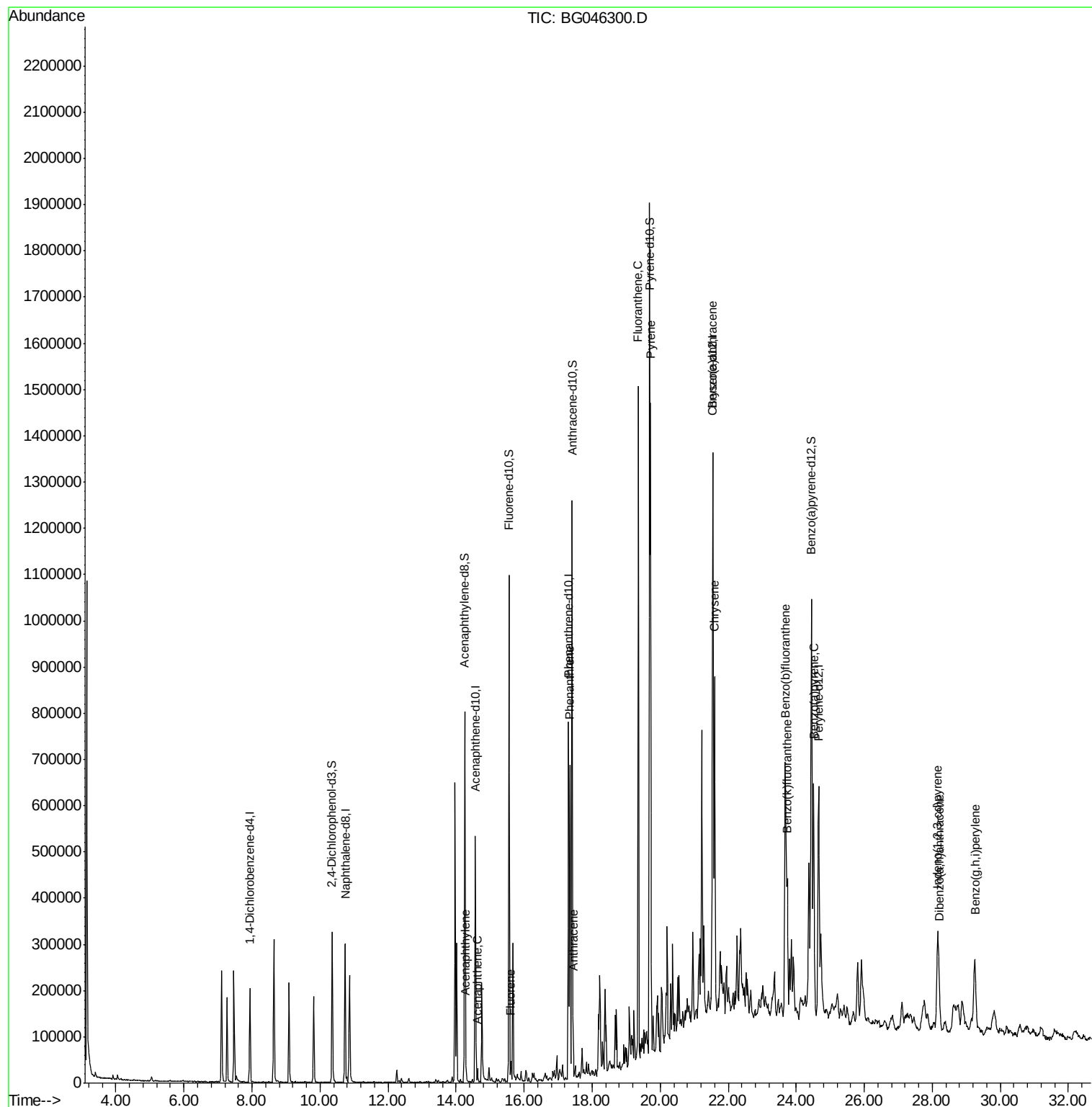
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	14.29	152	28710	1.549	ng/ul	98
9) Acenaphthene	14.63	153	13452	1.016	ng/ul	99
11) Fluorene	15.61	166	18190	1.175	ng/ul	97
14) Phenanthrene	17.35	178	435646	15.665	ng/ul	100
16) Anthracene	17.44	178	84056	2.996	ng/ul	99
17) Fluoranthene	19.36	202	934651	30.140	ng/ul	99
20) Pyrene	19.72	202	861500	25.456	ng/ul	98
21) Benzo(a)anthracene	21.54	228	539975	16.097	ng/ul	97
22) Chrysene	21.60	228	535558	16.516	ng/ul	96
24) Benzo(b)fluoranthene	23.68	252	751225	20.538	ng/ul	97
25) Benzo(k)fluoranthene	23.73	252	235250	6.484	ng/ul	99
27) Benzo(a)pyrene	24.51	252	519525	15.471	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.15	276	374747	8.913	ng/ul	99
29) Dibenzo(a,h)anthracene	28.20	278	100733	2.955	ng/ul	96
30) Benzo(a,h,i)perylene	29.25	276	299529	8.512	ng/ul	99

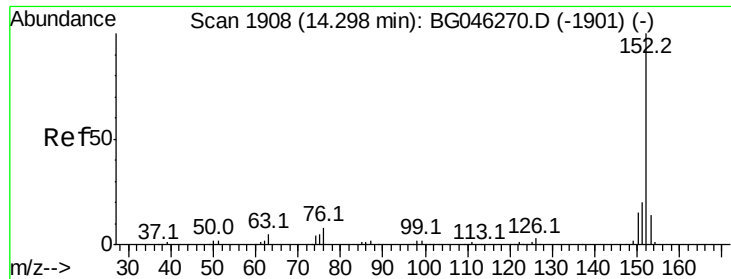
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 13:50:19 2020
Response via : Initial Calibration





#8

Acenaphthylene

Concen: 1.549 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

Instrument :

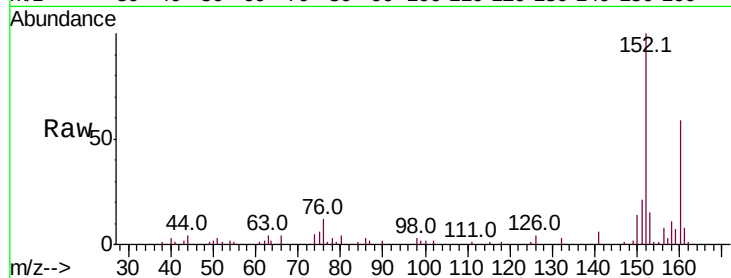
BNA_G

ClientSampleId :

BFM84

Tot Ion:152 Resp: 28710

Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.5	24.7
153	14.6	11.0	16.6

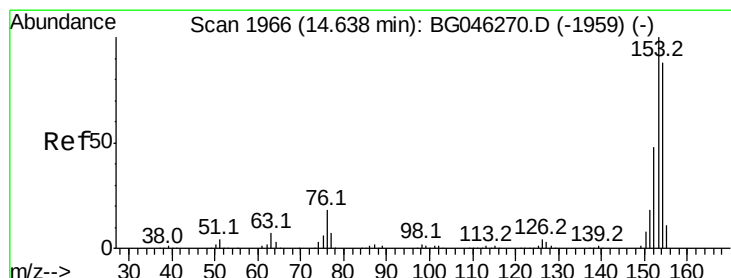
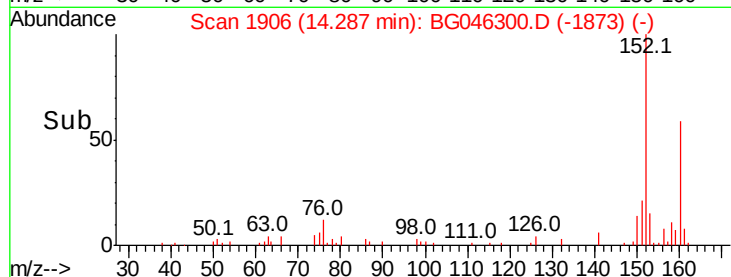
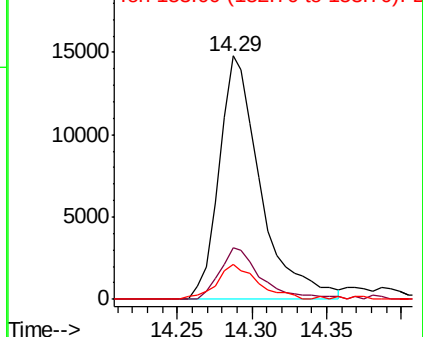


Abundance

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



#9

Acenaphthene

Concen: 1.016 ng/ul

RT: 14.63 min Scan# 1964

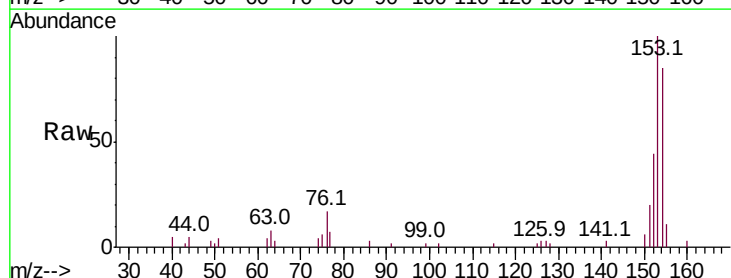
Delta R.T. -0.01 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

Tgt Ion:153 Resp: 13452

Ion	Ratio	Lower	Upper
153	100		
152	44.3	37.2	55.8
154	85.0	67.8	101.6

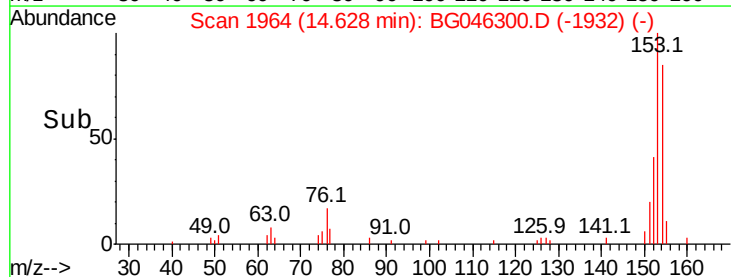
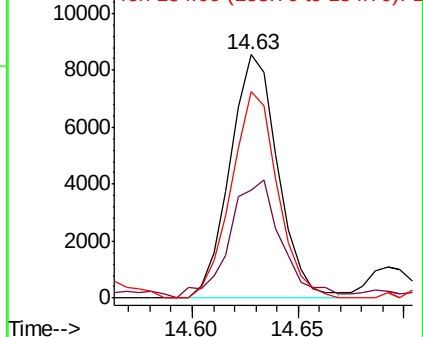


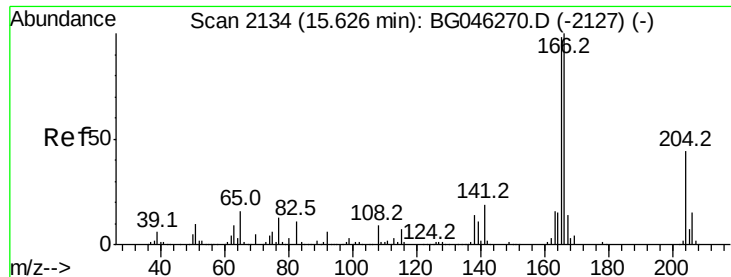
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

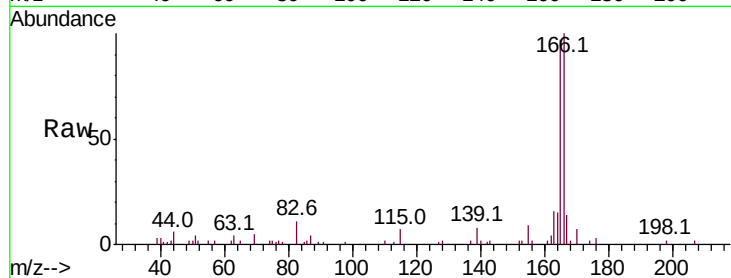




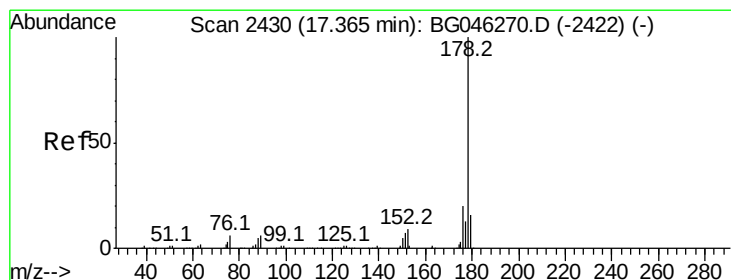
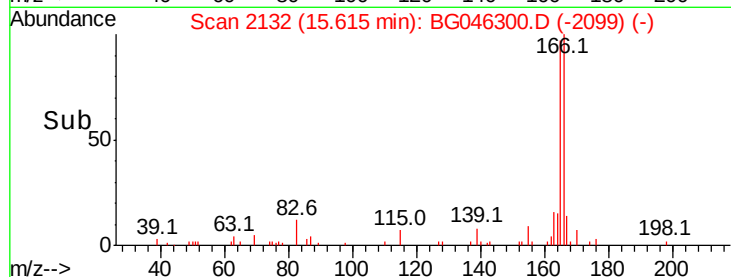
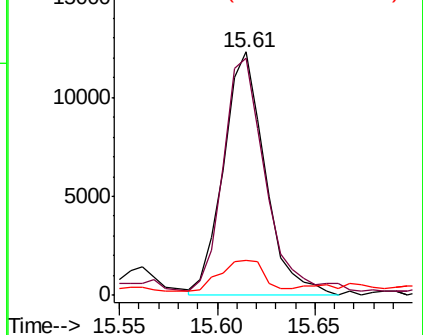
#11
 Fluorene
 Concen: 1.175 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046300.D
 Acq: 17 Aug 2020 16:31

Instrument :
 BNA_G
 ClientSampleId :
 BFM84

Tot Ion:166 Resp: 18190
 Ion Ratio Lower Upper
 166 100
 165 97.4 75.9 113.9
 167 14.3 10.7 16.1

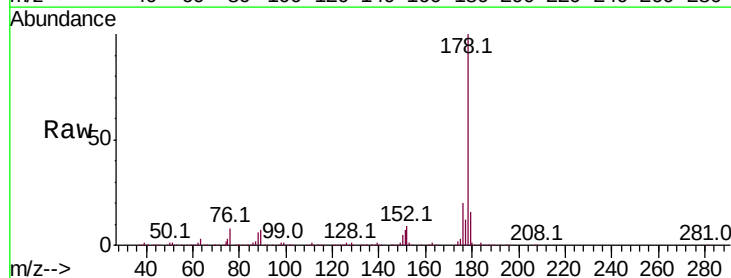


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

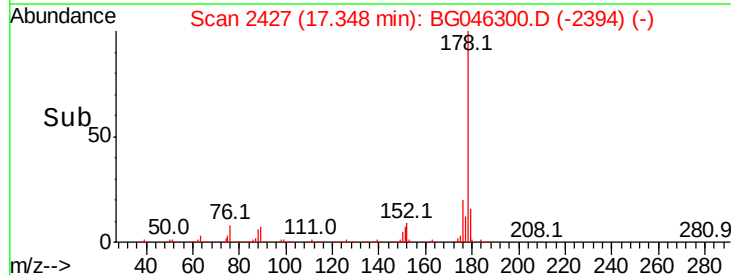
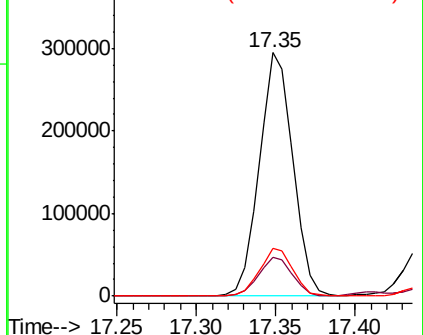


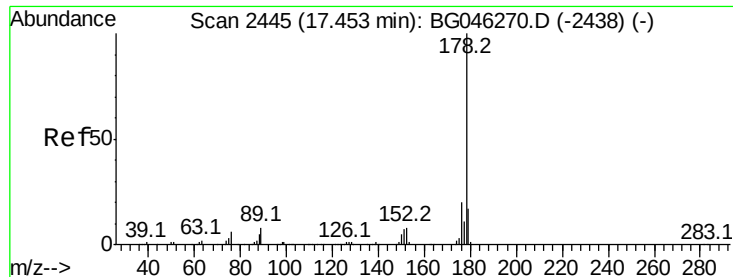
#14
 Phenanthrene
 Concen: 15.665 ng/ul
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BG046300.D
 Acq: 17 Aug 2020 16:31

Tgt Ion:178 Resp: 435646
 Ion Ratio Lower Upper
 178 100
 179 15.9 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

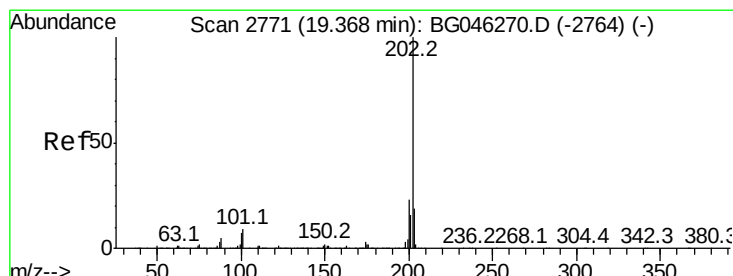
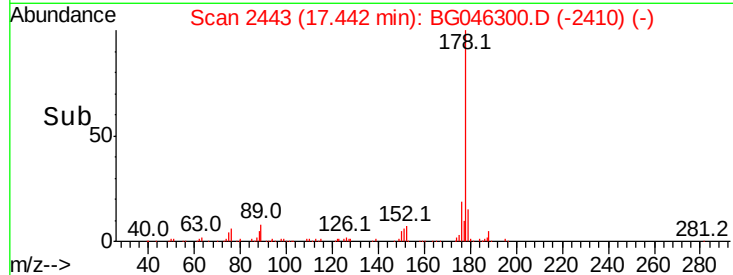
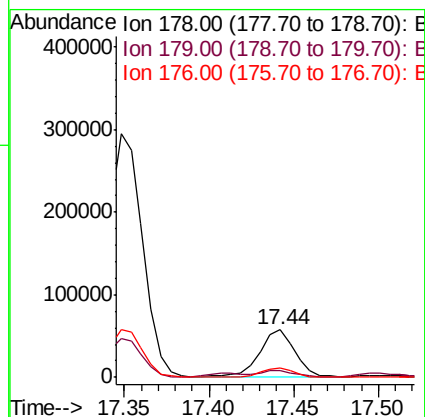
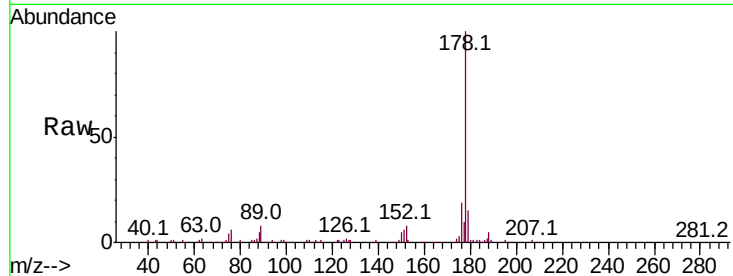




#16
 Anthracene
 Concen: 2.996 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046300.D
 Acq: 17 Aug 2020 16:31

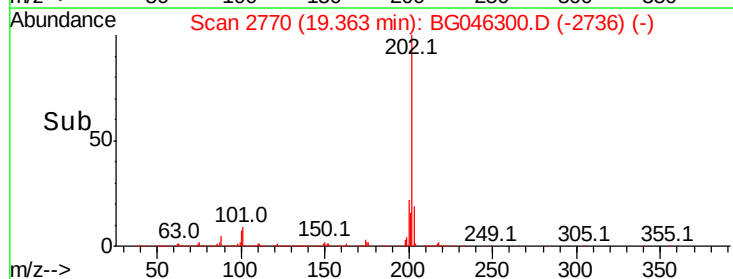
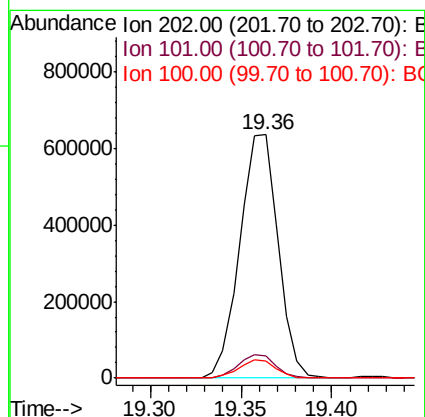
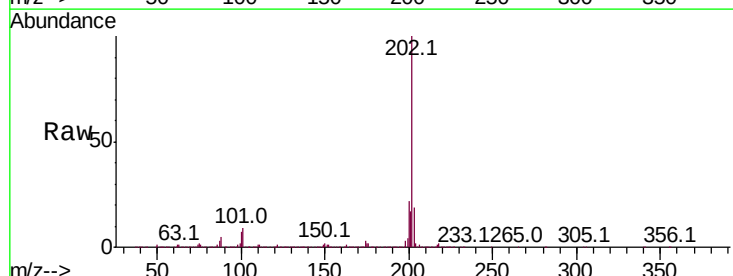
Instrument :
 BNA_G
 ClientSampleId :
 BFM84

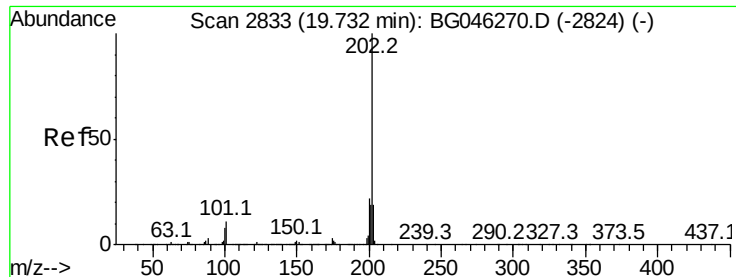
Tot Ion:178 Resp: 84056
 Ion Ratio Lower Upper
 178 100
 179 15.5 13.2 19.8
 176 18.9 15.2 22.8



#17
 Fluoranthene
 Concen: 30.140 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046300.D
 Acq: 17 Aug 2020 16:31

Tgt Ion:202 Resp: 934651
 Ion Ratio Lower Upper
 202 100
 101 9.2 7.8 11.6
 100 6.9 5.9 8.9

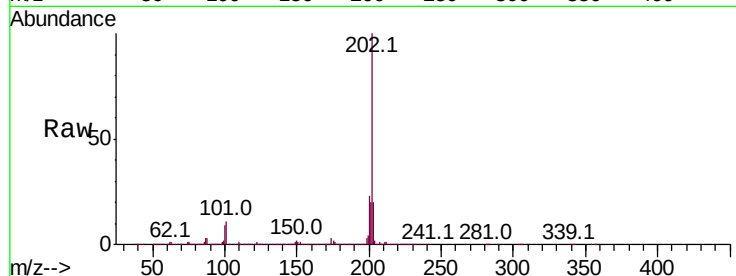




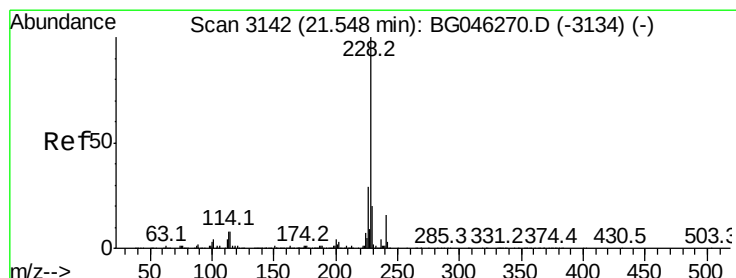
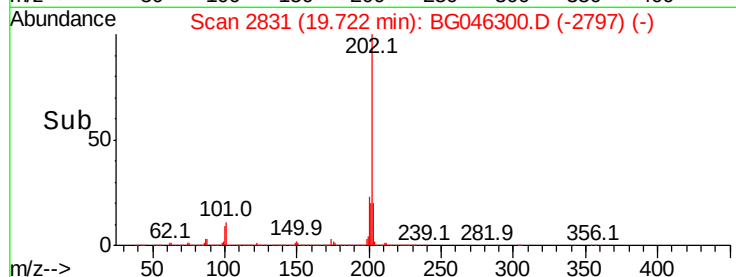
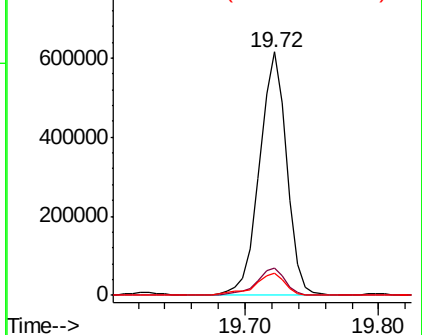
#20
Pvrene
Concen: 25.456 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046300.D
Acq: 17 Aug 2020 16:31

Instrument :
BNA_G
ClientSampleId :
BFM84

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.9	13.3
100	9.0	7.9	11.9

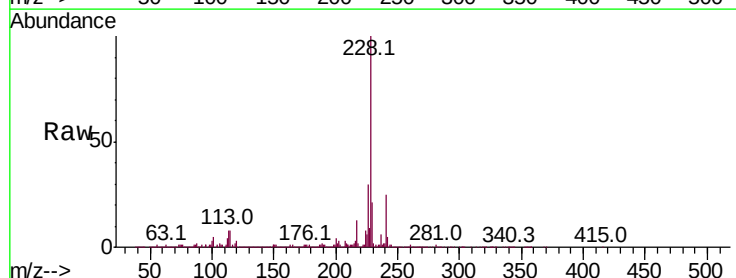


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

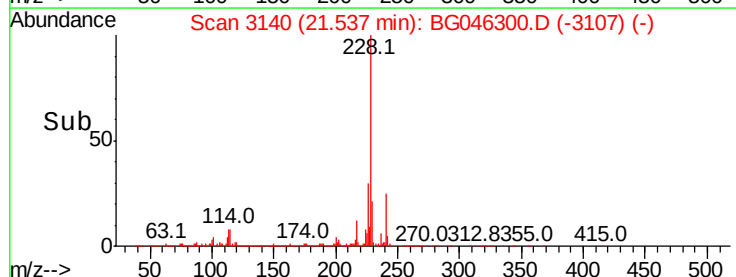
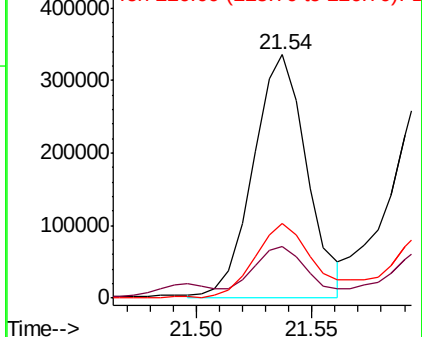


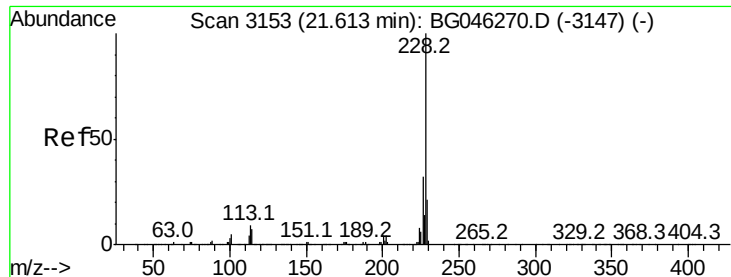
#21
Benzo(a)anthracene
Concen: 16.097 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046300.D
Acq: 17 Aug 2020 16:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	16.6	25.0
226	30.5	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: 16.516 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

Instrument :

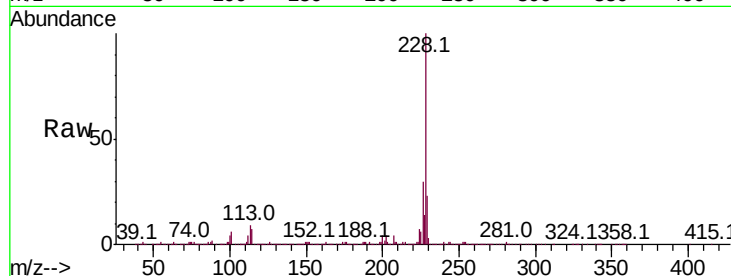
BNA_G

ClientSampleId :

BFM84

Tot Ion:228 Resp: 535558

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.5	38.3
229	23.5	17.0	25.4

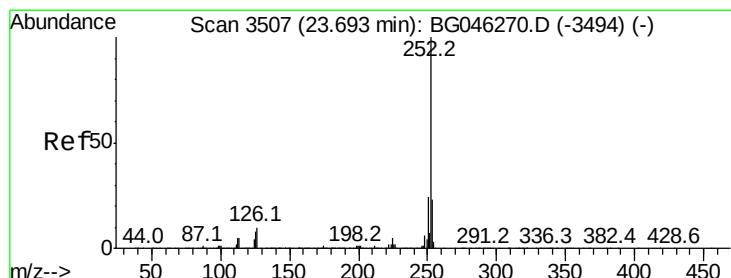
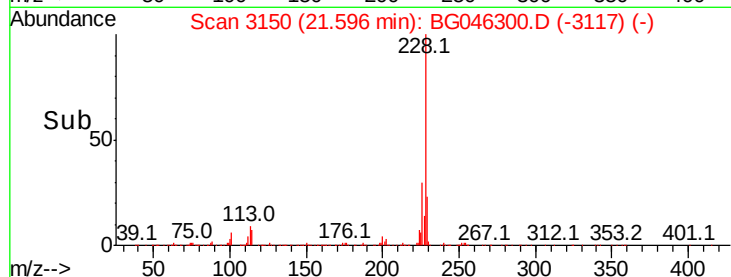
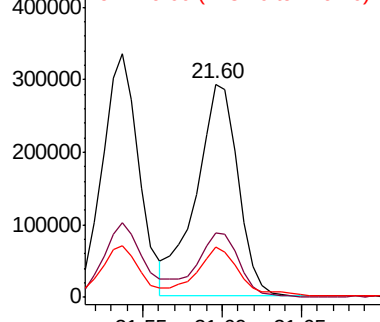


Abundance

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: 20.538 ng/ul

RT: 23.68 min Scan# 3505

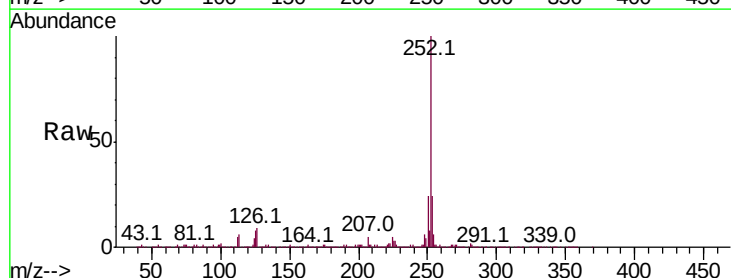
Delta R.T. -0.00 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

Tgt Ion:252 Resp: 751225

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	8.2	6.4	9.6

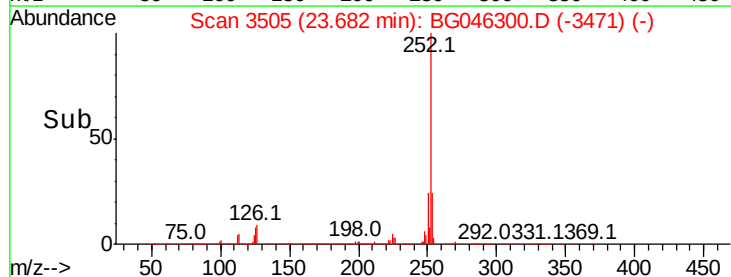
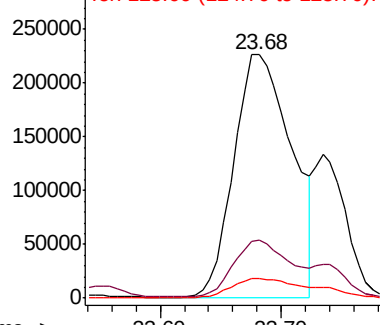


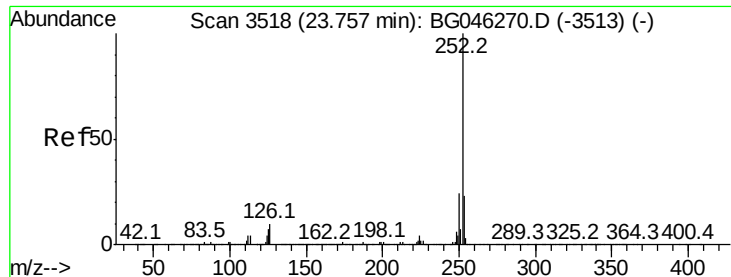
Abundance

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: 6.484 ng/ul

RT: 23.73 min Scan# 3514

Delta R.T. -0.01 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

BFM84

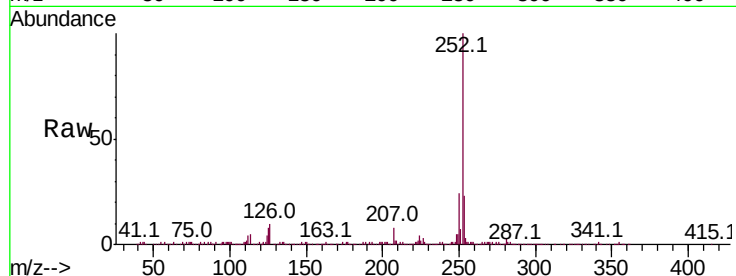
Tot Ion:252 Resp: 235250

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

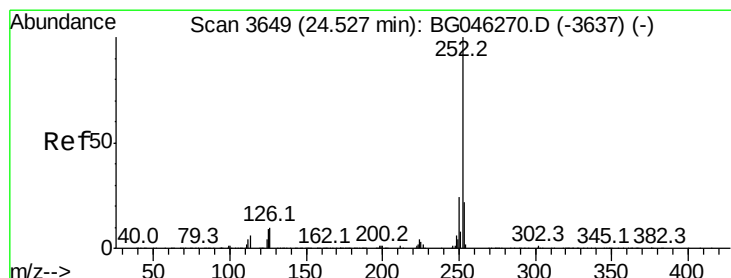
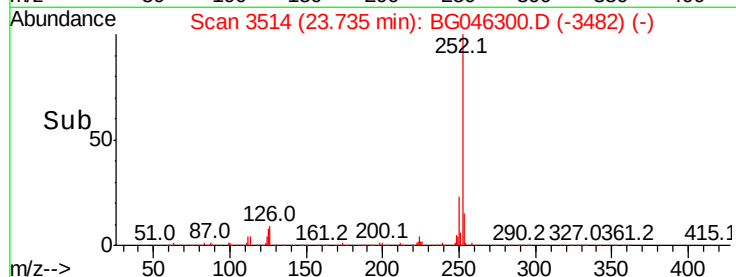
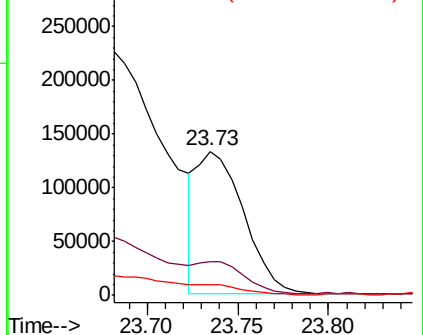
125 7.7 6.2 9.2



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: 15.471 ng/ul

RT: 24.51 min Scan# 3646

Delta R.T. -0.01 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

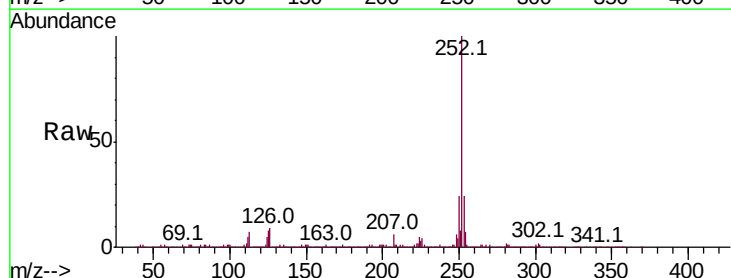
Tgt Ion:252 Resp: 519525

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

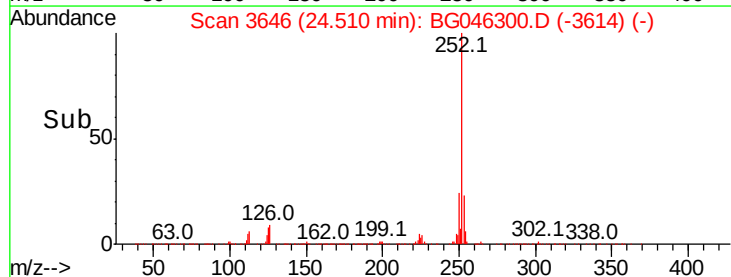
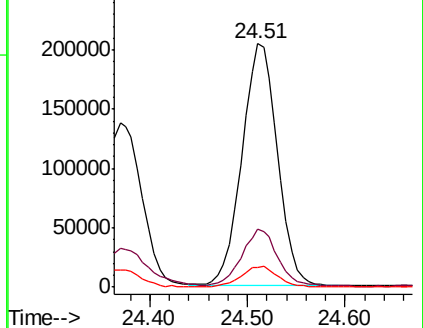
125 8.0 7.1 10.7

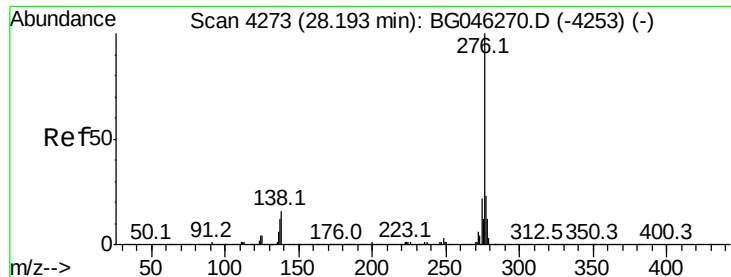


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



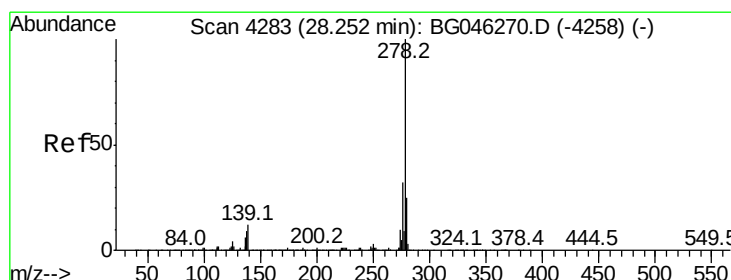
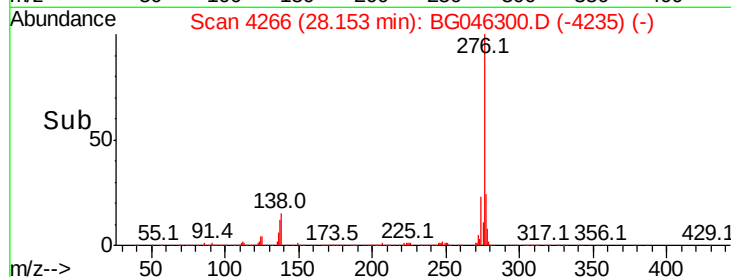
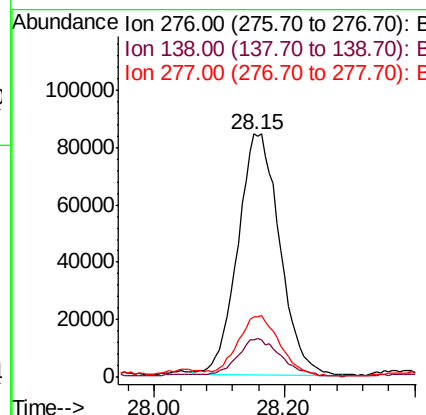
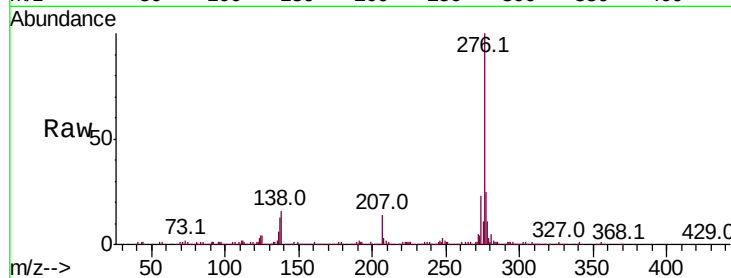


#28

Indeno(1,2,3-cd)pyrene
Concen: 8.913 ng/ul
RT: 28.15 min Scan# 4266
Delta R.T. -0.02 min
Lab File: BG046300.D
Acq: 17 Aug 2020 16:31

Instrument :
BNA_G
ClientSampleId :
BFM84

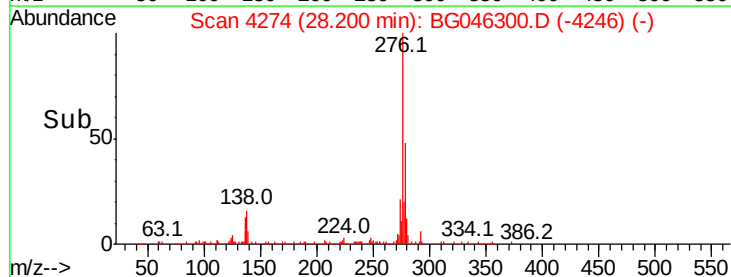
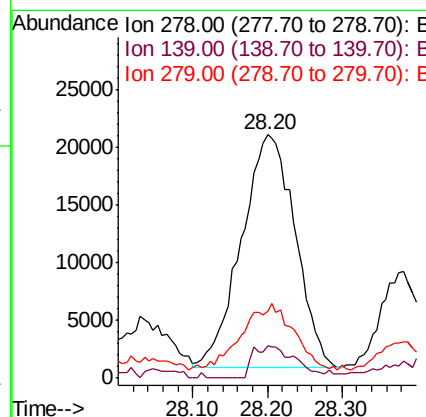
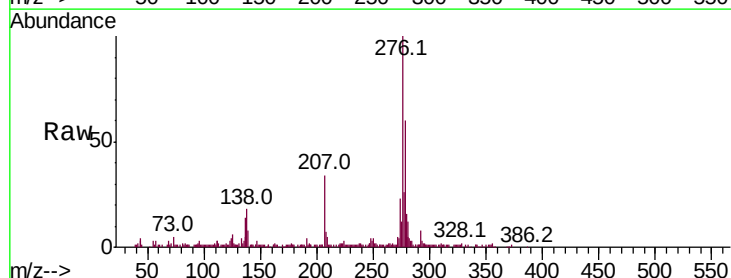
Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	13.2	19.8
277	24.8	19.9	29.9

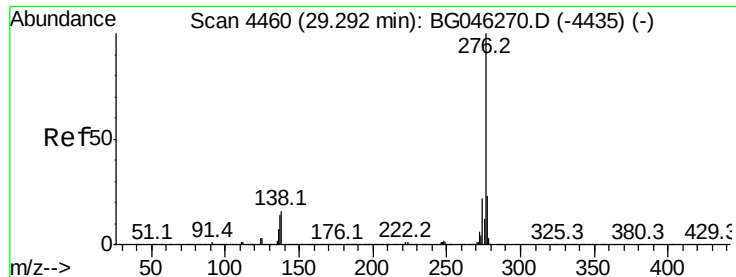


#29

Dibenzo(a,h)anthracene
Concen: 2.955 ng/ul
RT: 28.20 min Scan# 4274
Delta R.T. -0.04 min
Lab File: BG046300.D
Acq: 17 Aug 2020 16:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.2	9.8	14.8
279	27.4	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 8.512 ng/ul

RT: 29.25 min Scan# 4453

Delta R.T. -0.01 min

Lab File: BG046300.D

Acq: 17 Aug 2020 16:31

Instrument :

BNA_G

ClientSampleId :

BFM84

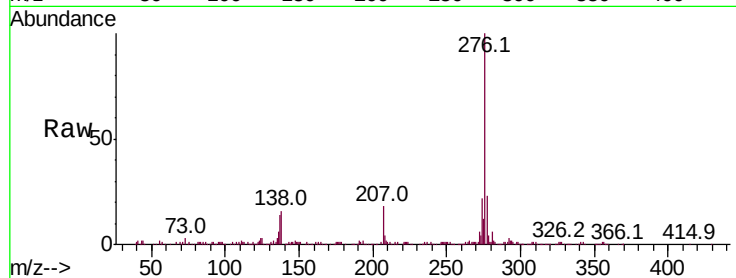
Tot Ion:276 Resp: 299529

Ion Ratio Lower Upper

276 100

138 16.1 12.9 19.3

277 23.1 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

