

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046303.D
 Acq On : 17 Aug 2020 18:32
 Operator : CG/JU
 Sample : L3632-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM89

Quant Time: Aug 18 01:26:01 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	71324	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	299777	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	214197	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	535181	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	530019	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	568495	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	123566	23.94	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	490641	24.89	ng/ul	0.00
10) Fluorene-d10	15.56	176	372564	24.66	ng/ul	0.00
15) Anthracene-d10	17.41	188	577477	23.28	ng/ul	0.00
19) Pyrene-d10	19.69	212	687747	25.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	747547	24.10	ng/ul	0.00

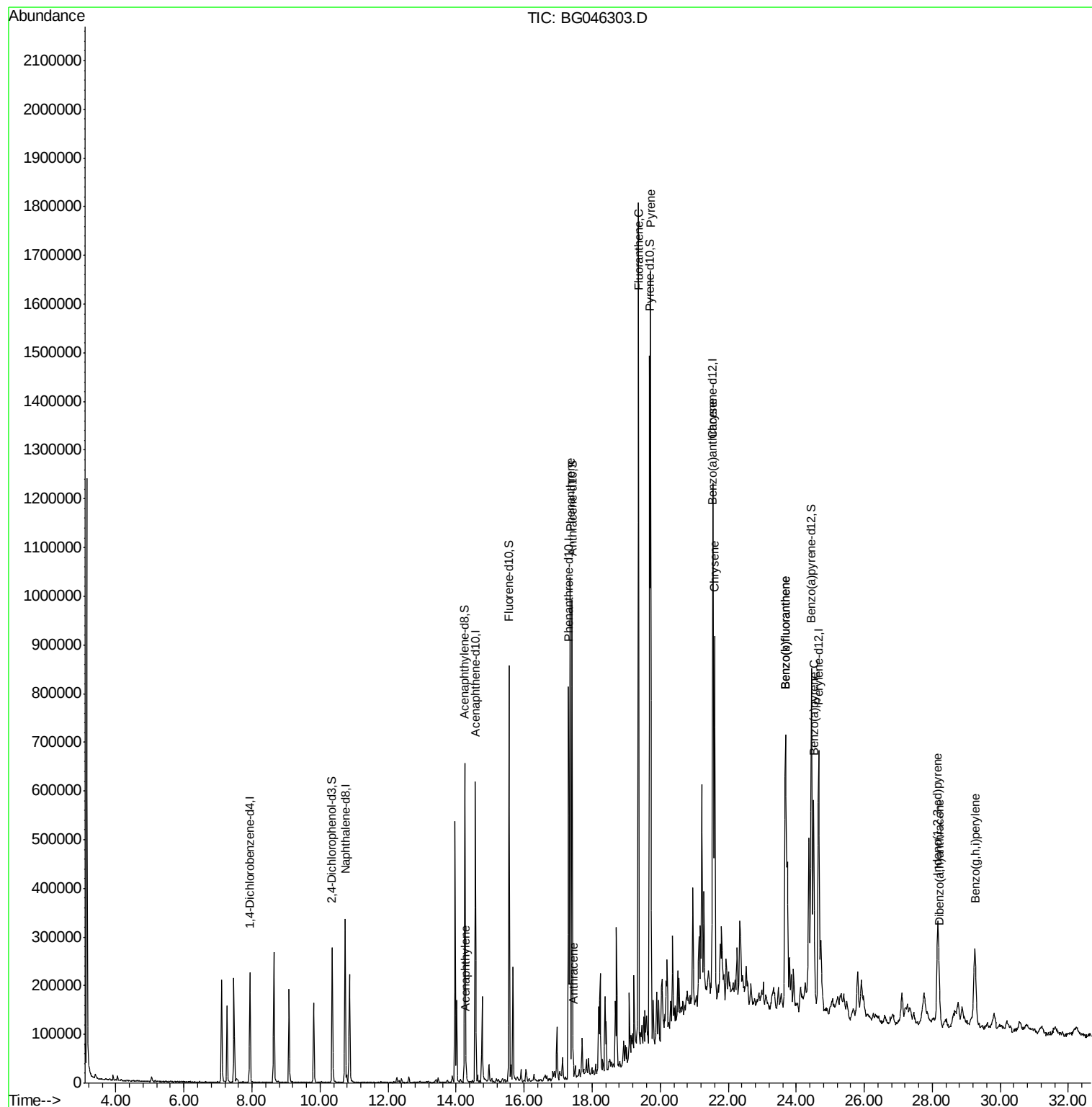
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Acenaphthylene	14.29	152	36786	1.835	ng/ul	99
14) Phenanthrene	17.35	178	663626	22.540	ng/ul	99
16) Anthracene	17.44	178	38186	1.285	ng/ul	96
17) Fluoranthene	19.36	202	1099884	33.503	ng/ul	100
20) Pyrene	19.72	202	961256	27.630	ng/ul	99
21) Benzo(a)anthracene	21.54	228	347064	10.064	ng/ul	96
22) Chrysene	21.60	228	561902	16.856	ng/ul	98
24) Benzo(b)fluoranthene	23.68	252	735904	19.575	ng/ul	97
25) Benzo(k)fluoranthene	23.68	252	735904	19.734	ng/ul	98
27) Benzo(a)pyrene	24.51	252	420125	12.173	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.16	276	377183	8.728	ng/ul	99
29) Dibenzo(a,h)anthracene	28.21	278	87752	2.504	ng/ul	98
30) Benzo(a,h,i)perylene	29.25	276	309960	8.570	ng/ul	99

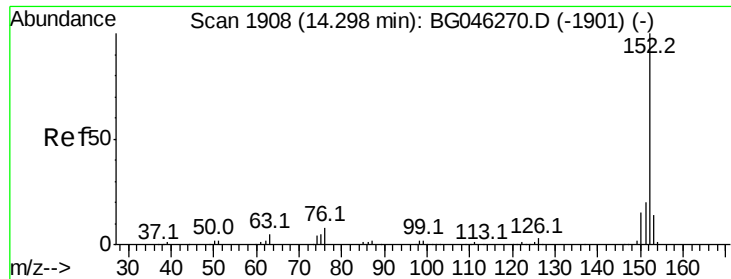
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.835 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

Instrument :

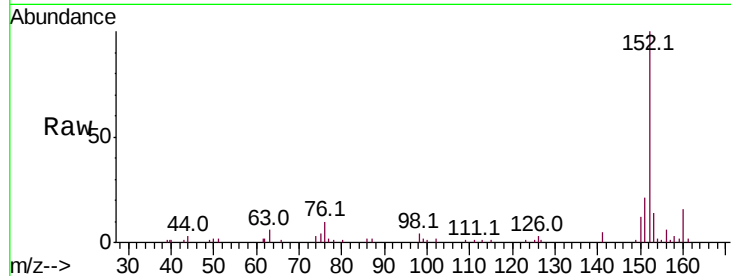
BNA_G

ClientSampleId :

BFM89

Tot Ion:152 Resp: 36786

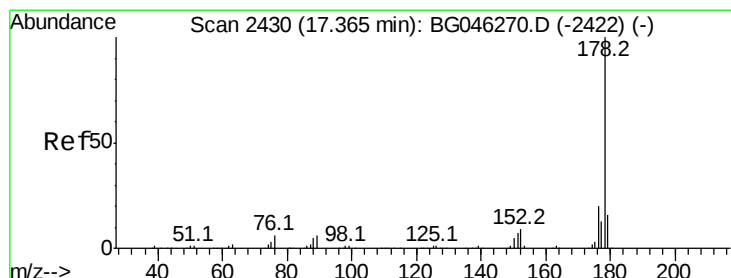
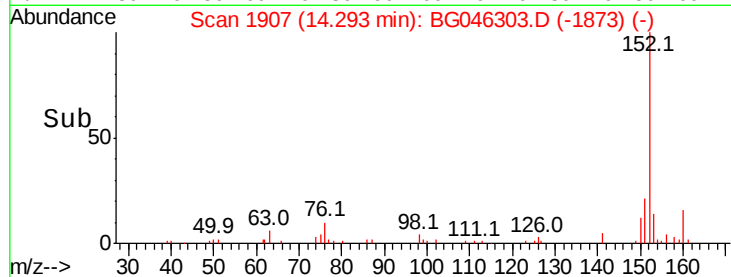
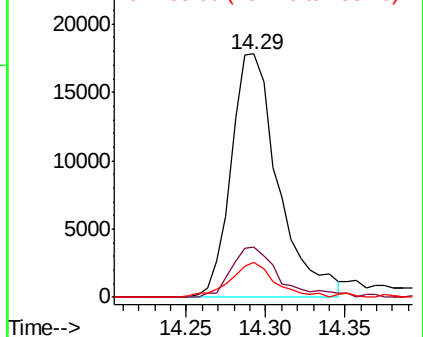
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.5	24.7
153	14.2	11.0	16.6



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: 22.540 ng/ul

RT: 17.35 min Scan# 2428

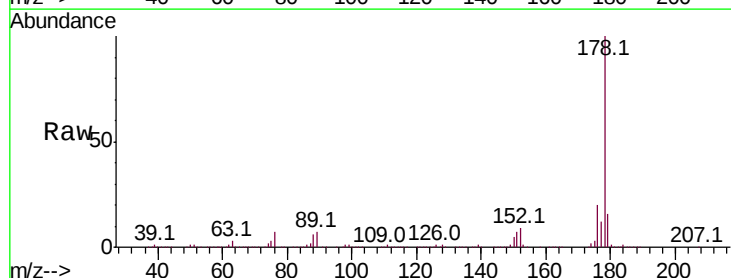
Delta R.T. -0.00 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

Tgt Ion:178 Resp: 663626

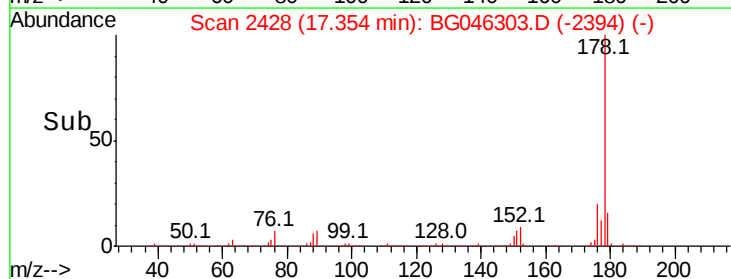
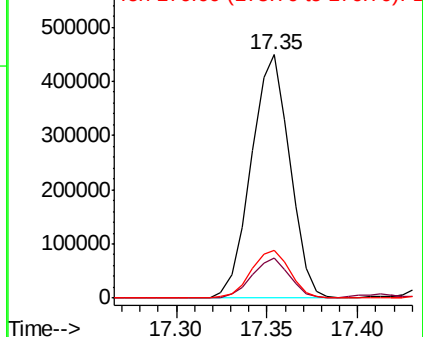
Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.8	19.2
176	19.7	15.8	23.8

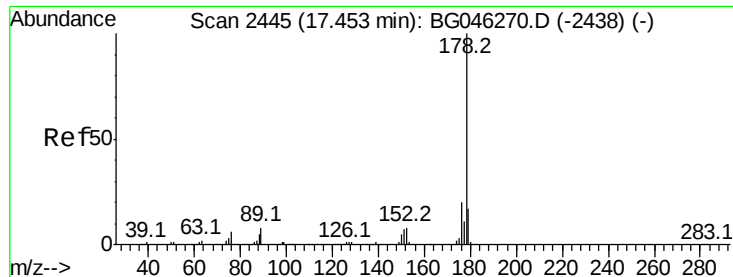


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

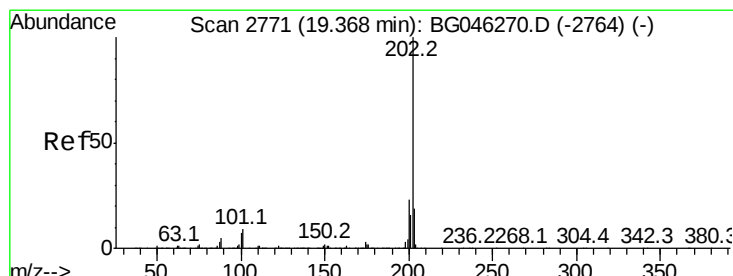
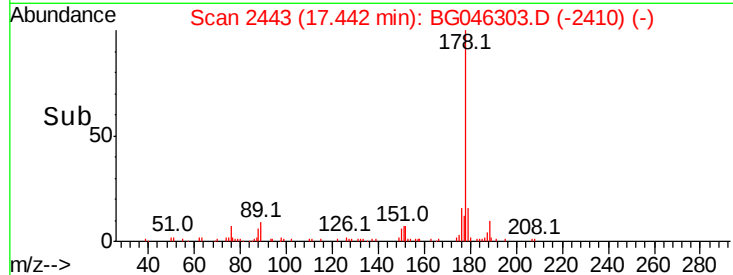
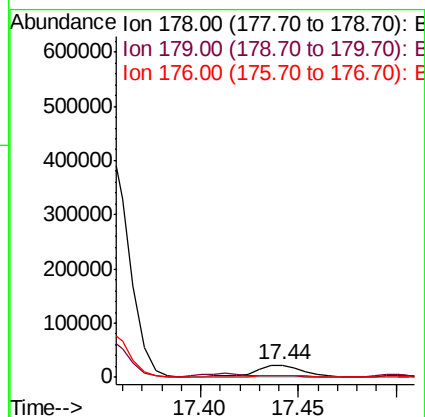
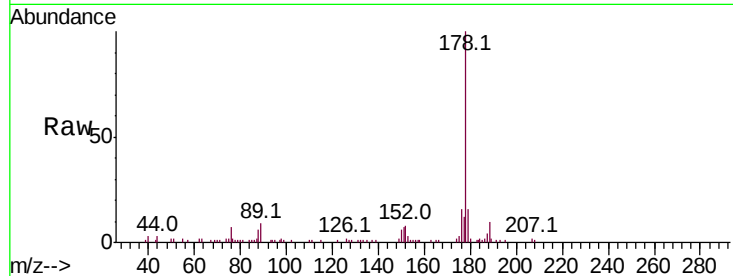




#16
 Anthracene
 Concen: 1.285 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046303.D
 Acq: 17 Aug 2020 18:32

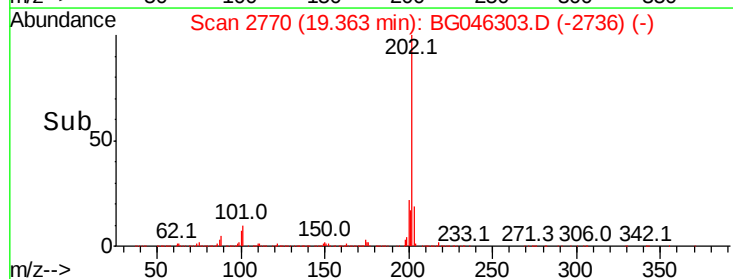
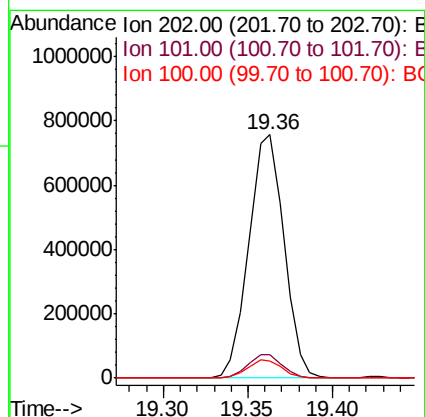
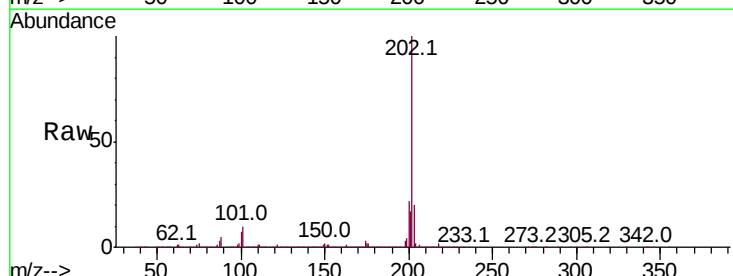
Instrument :
 BNA_G
 ClientSampleId :
 BFM89

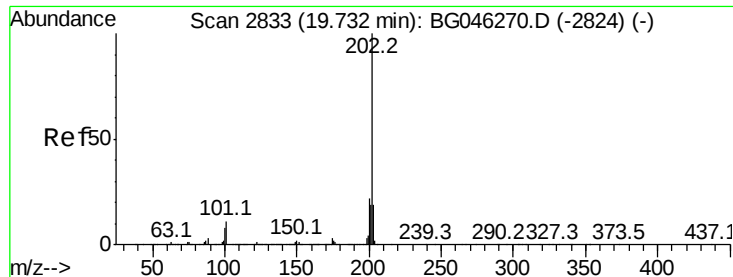
Tot Ion:178 Resp: 38186
 Ion Ratio Lower Upper
 178 100
 179 16.3 13.2 19.8
 176 16.1 15.2 22.8



#17
 Fluoranthene
 Concen: 33.503 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046303.D
 Acq: 17 Aug 2020 18:32

Tgt Ion:202 Resp: 1099884
 Ion Ratio Lower Upper
 202 100
 101 9.7 7.8 11.6
 100 7.1 5.9 8.9

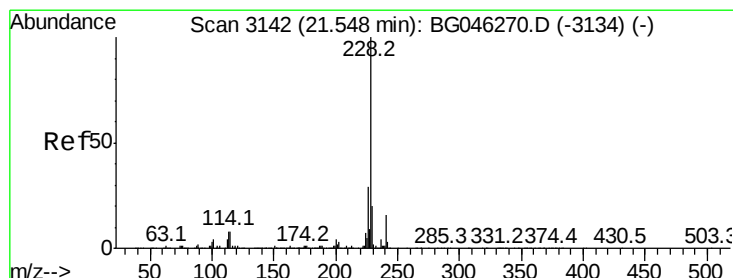
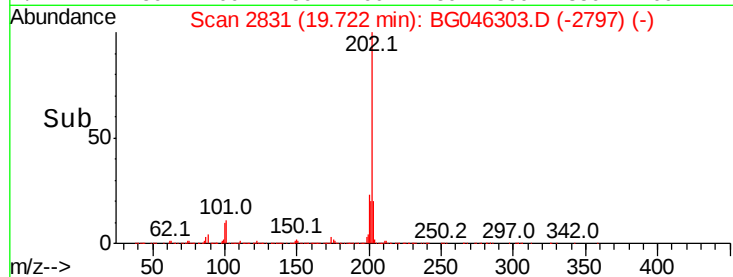
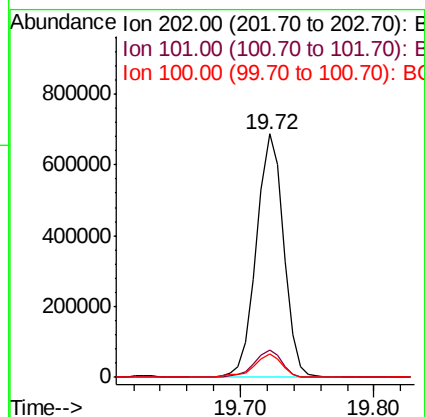
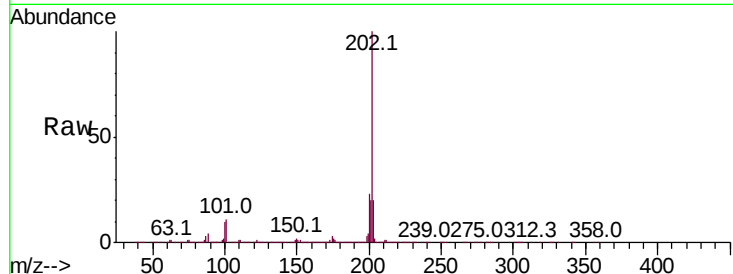




#20
Pvrene
Concen: 27.630 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046303.D
Acq: 17 Aug 2020 18:32

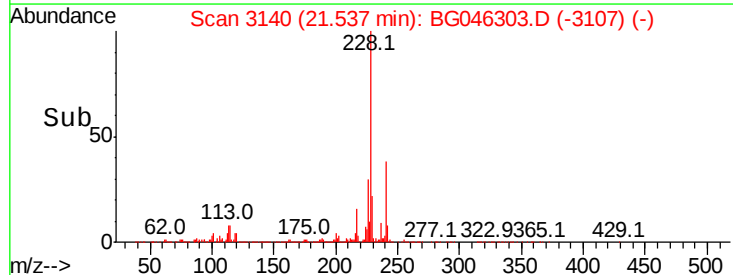
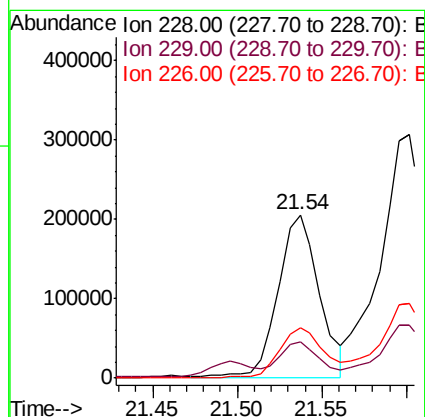
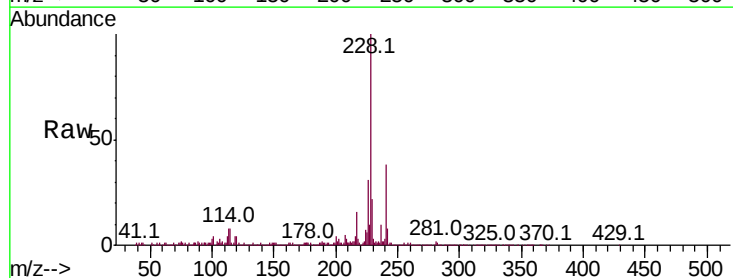
Instrument :
BNA_G
ClientSampleId :
BFM89

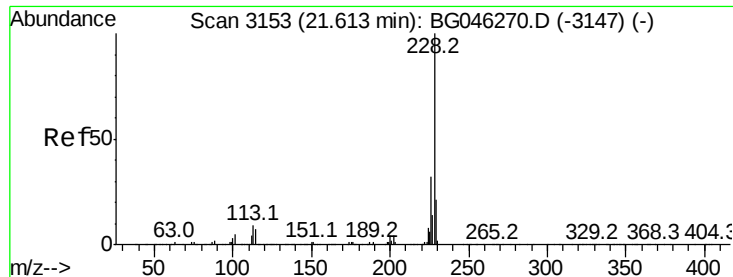
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.9	13.3
100	9.5	7.9	11.9



#21
Benzo(a)anthracene
Concen: 10.064 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BG046303.D
Acq: 17 Aug 2020 18:32

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	16.6	25.0
226	30.6	22.6	33.8





#22

Chrysene

Concen: 16.856 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

Instrument :

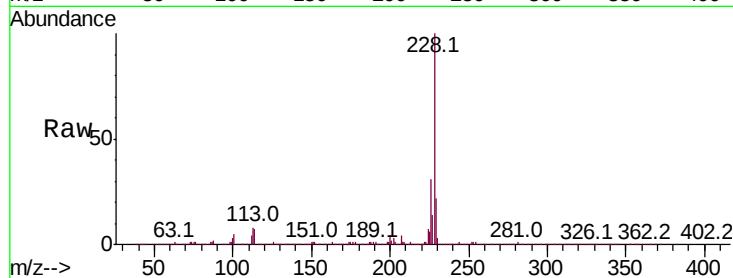
BNA_G

ClientSampleId :

BFM89

Tot Ion:228 Resp: 561902

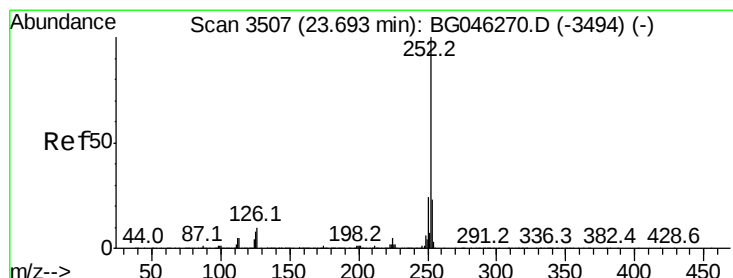
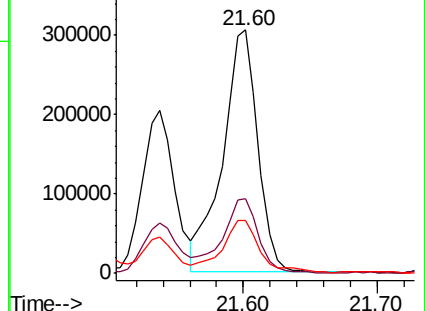
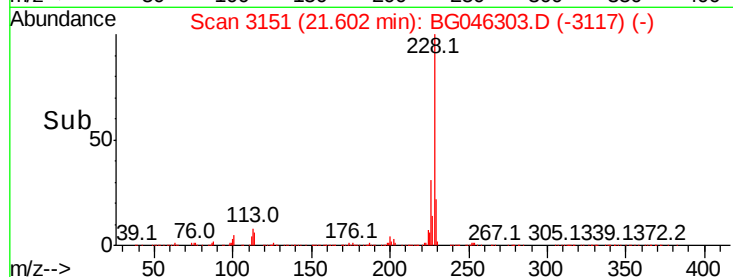
Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	21.8	17.0	25.4



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: 19.575 ng/ul

RT: 23.68 min Scan# 3505

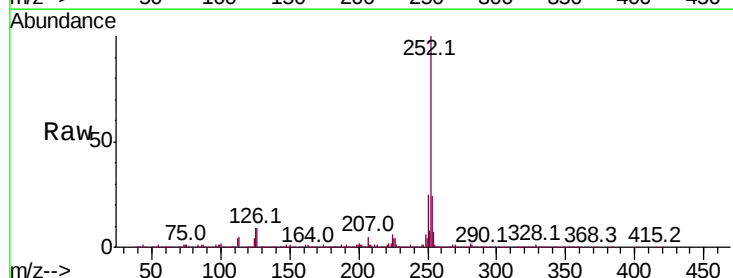
Delta R.T. -0.00 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

Tgt Ion:252 Resp: 735904

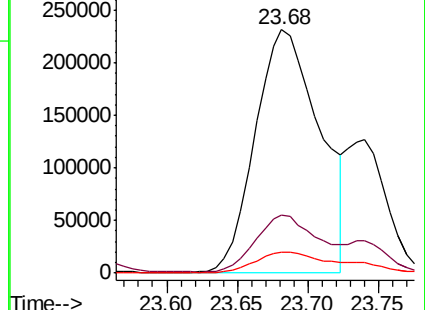
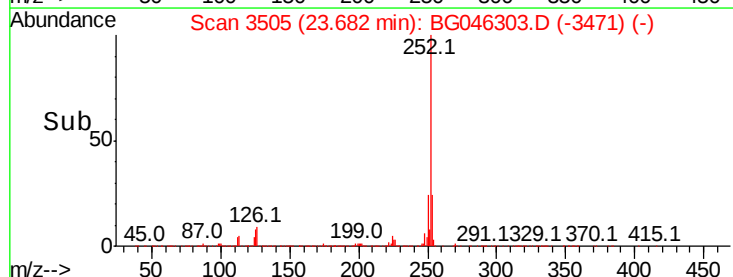
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	8.6	6.4	9.6

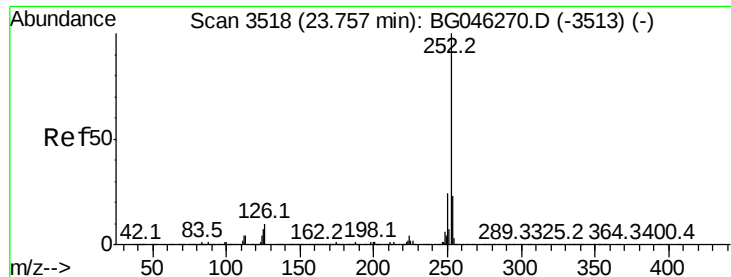


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

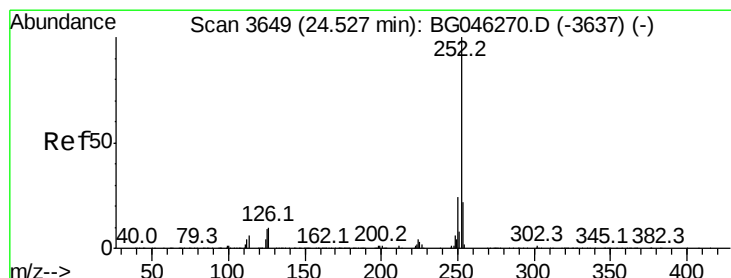
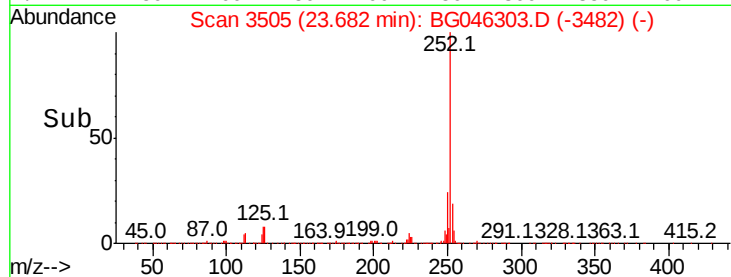
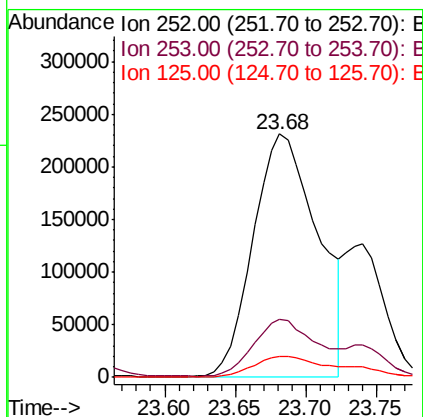
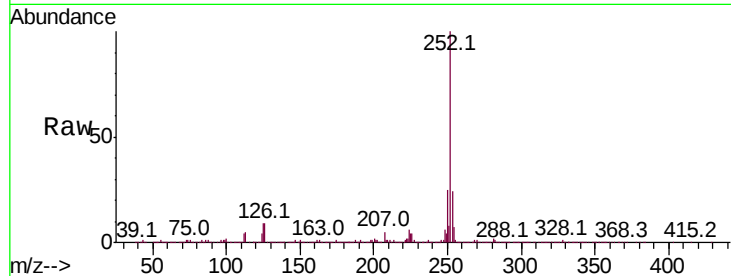




#25
Benzo(k)fluoranthene
Concen: 19.734 ng/ul
RT: 23.68 min Scan# 3505
Delta R.T. -0.07 min
Lab File: BG046303.D
Acq: 17 Aug 2020 18:32

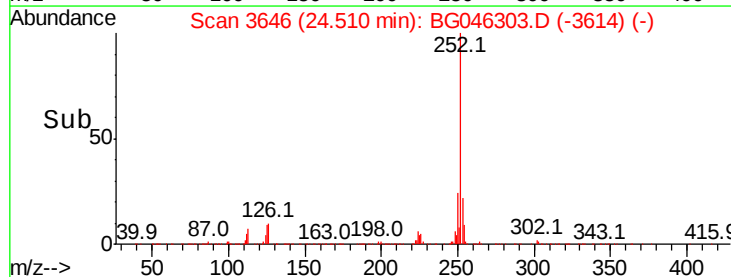
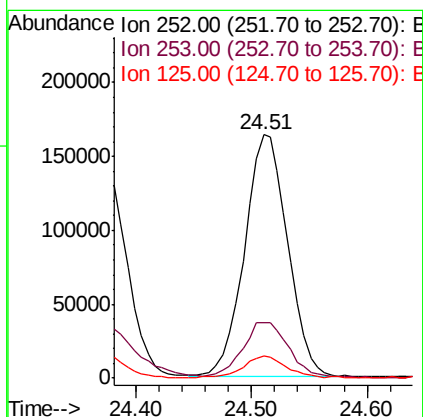
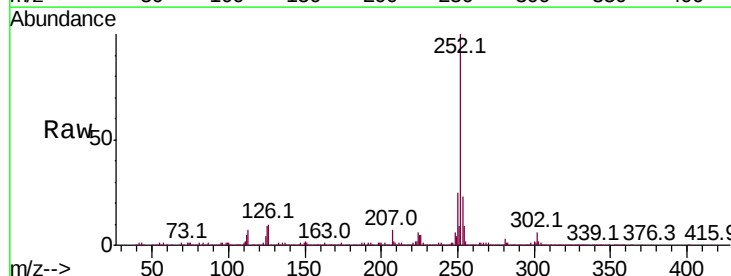
Instrument :
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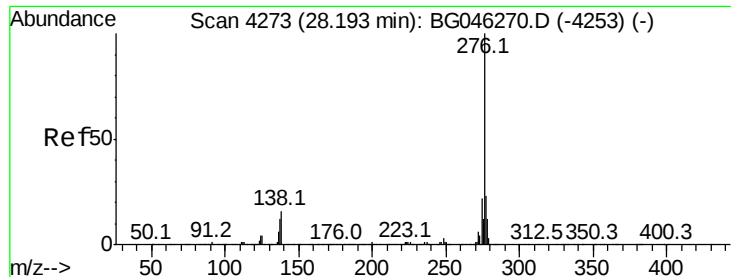
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	8.6	6.2	9.2



#27
Benzo(a)pyrene
Concen: 12.173 ng/ul
RT: 24.51 min Scan# 3646
Delta R.T. -0.01 min
Lab File: BG046303.D
Acq: 17 Aug 2020 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	9.1	7.1	10.7





#28

Indeno(1,2,3-cd)pyrene

Concen: 8.728 ng/ul

RT: 28.16 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

Instrument :

BNA_G

ClientSampleId :

BFM89

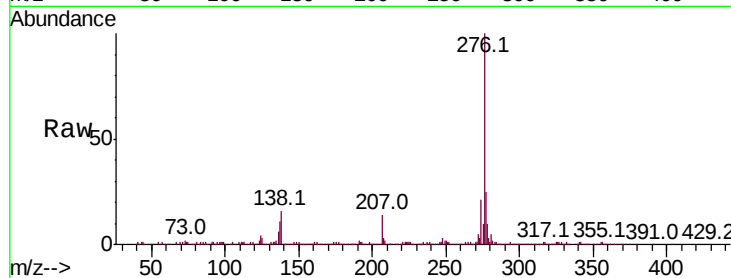
Tot Ion:276 Resp: 377183

Ion Ratio Lower Upper

276 100

138 15.5 13.2 19.8

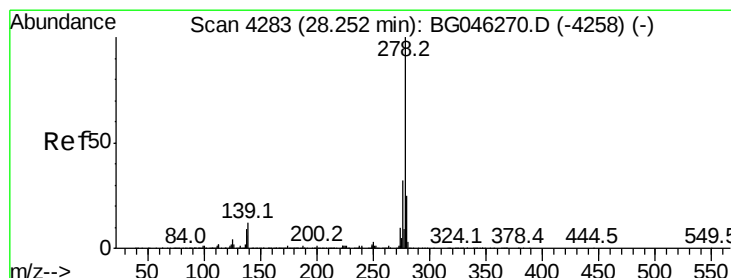
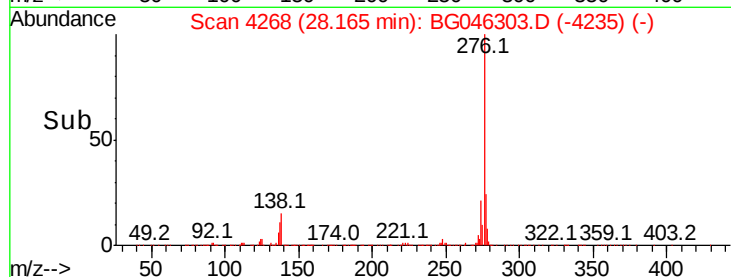
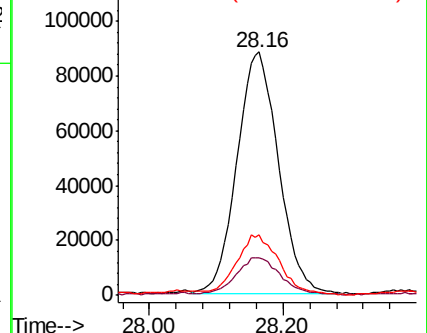
277 24.8 19.9 29.9



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



#29

Dibenzo(a,h)anthracene

Concen: 2.504 ng/ul

RT: 28.21 min Scan# 4275

Delta R.T. -0.03 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

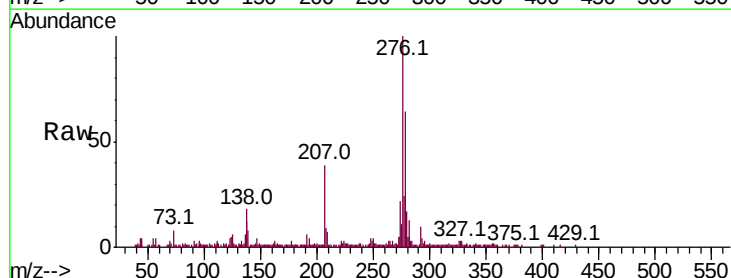
Tgt Ion:278 Resp: 87752

Ion Ratio Lower Upper

278 100

139 12.4 9.8 14.8

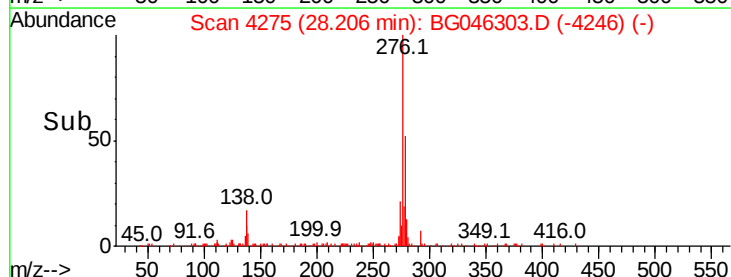
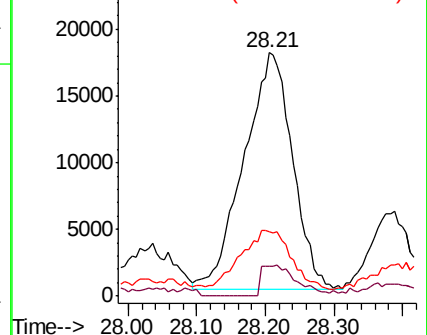
279 26.2 19.7 29.5

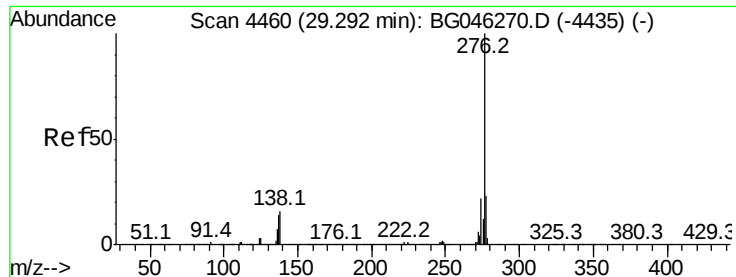


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 8.570 ng/ul

RT: 29.25 min Scan# 4453

Delta R.T. -0.01 min

Lab File: BG046303.D

Acq: 17 Aug 2020 18:32

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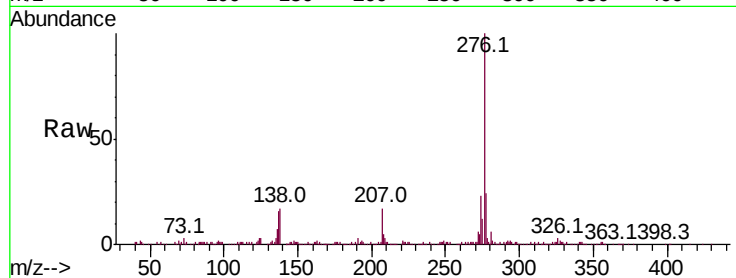
Tot Ion:276 Resp: 309960

Ion Ratio Lower Upper

276 100

138 16.8 12.9 19.3

277 24.1 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

