

Data File : BM021869.D
Acq On : 06 Aug 2019 21:44
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Quant Time: Aug 07 04:05:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 04:02:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	817	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3485	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2036	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4618	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4749	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5898	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	861	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2395	0.15	ng/ul	-0.02

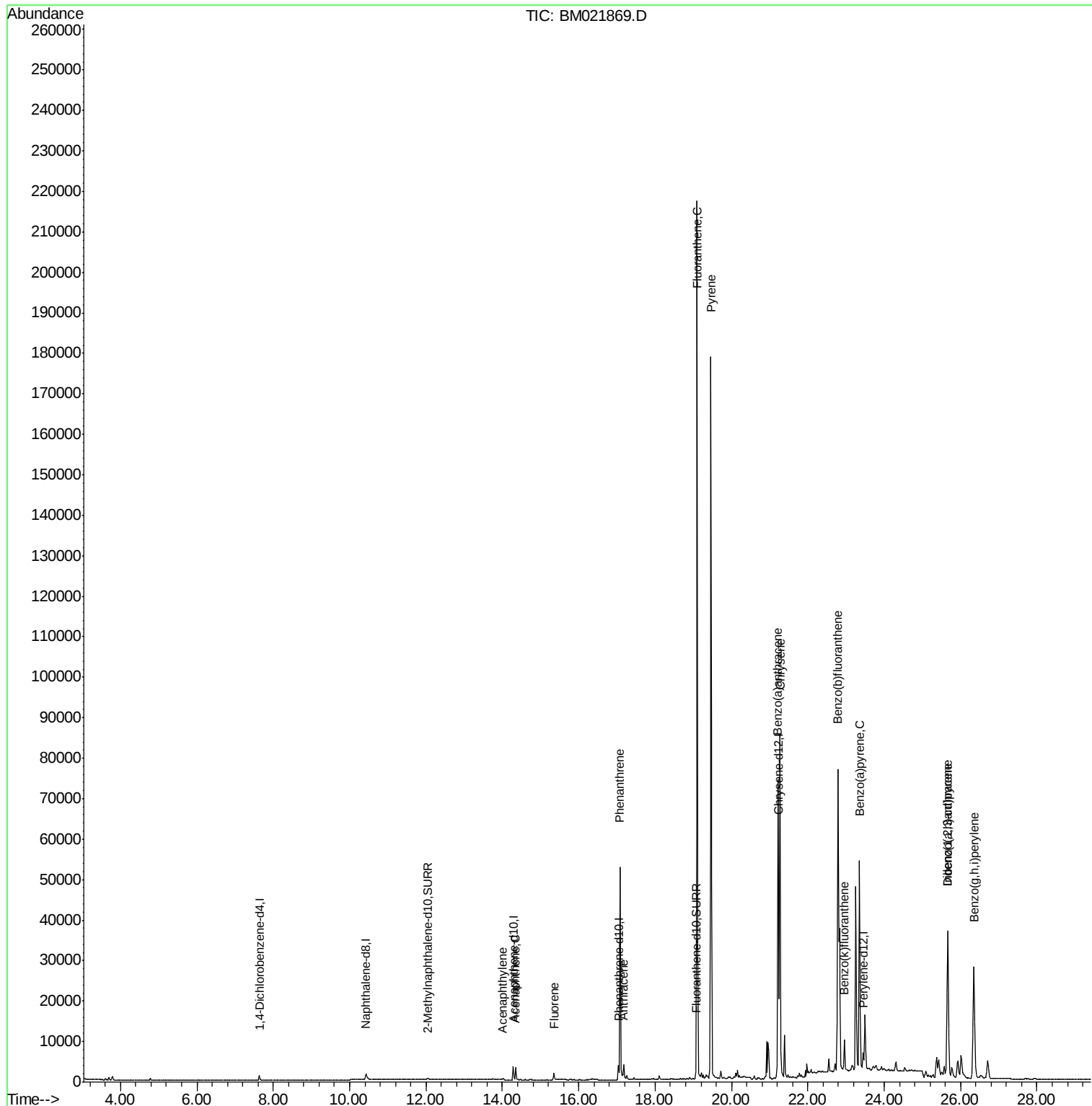
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	14.01	152	690	0.073	ng/ul#	80
8) Acenaphthene	14.35	153	1945	0.250	ng/ul	96
9) Fluorene	15.35	166	1249	0.145	ng/ul	97
12) Phenanthrene	17.08	178	58402	4.346	ng/ul	96
13) Anthracene	17.18	178	4108	0.358	ng/ul	99
15) Fluoranthene	19.10	202	184054	10.226	ng/ul	96
17) Pyrene	19.46	202	149945	7.684	ng/ul	99
18) Benzo(a)anthracene	21.22	228	61397	3.614	ng/ul	99
19) Chrysene	21.27	228	87761	4.017	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	161370	8.114	ng/ul	82
22) Benzo(k)fluoranthene	22.96	252	8232	0.366	ng/ul	100
23) Benzo(a)pyrene	23.36	252	70322	3.477	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.66	276	60013	2.485	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.67	278	12734	0.652	ng/ul	92
26) Benzo(g,h,i)perylene	26.35	276	57634	2.651	ng/ul	95

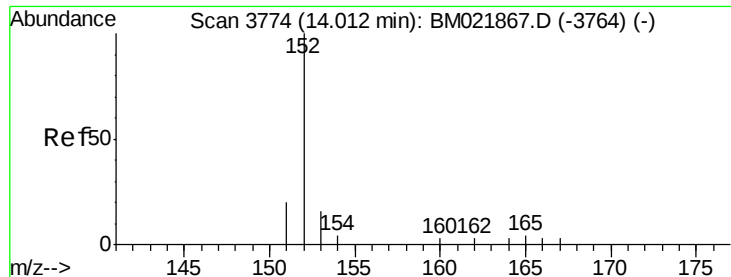
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.073 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.00 min

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Instrument :

BNA_M

ClientSampleId :

A52F0MS

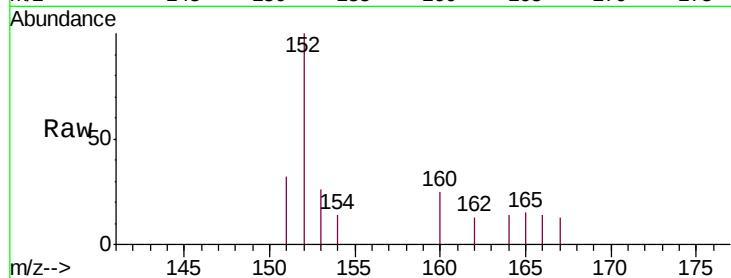
Tgt Ion:152 Resp: 690

Ion Ratio Lower Upper

152 100

151 31.7 18.3 27.5#

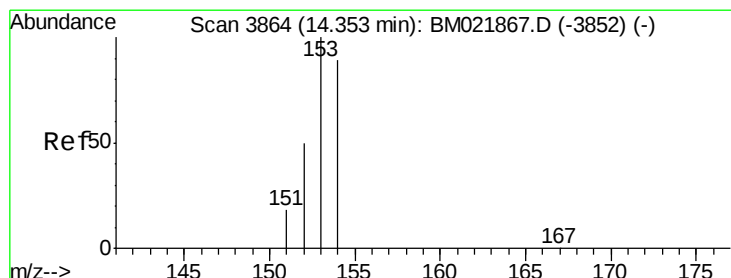
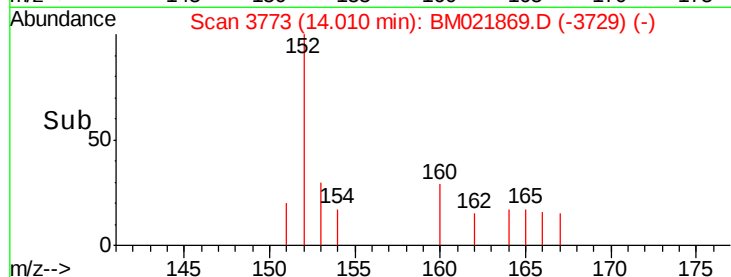
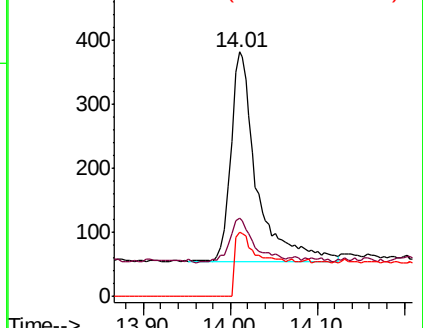
153 25.9 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.250 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

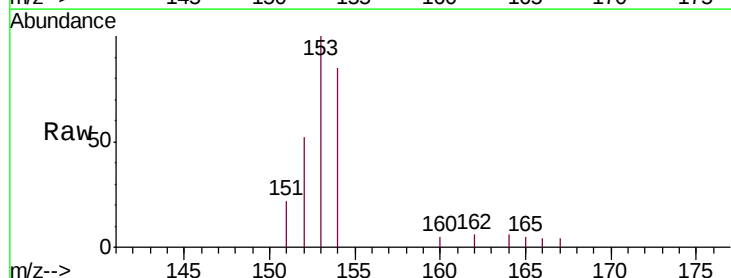
Tgt Ion:153 Resp: 1945

Ion Ratio Lower Upper

153 100

152 52.1 41.3 61.9

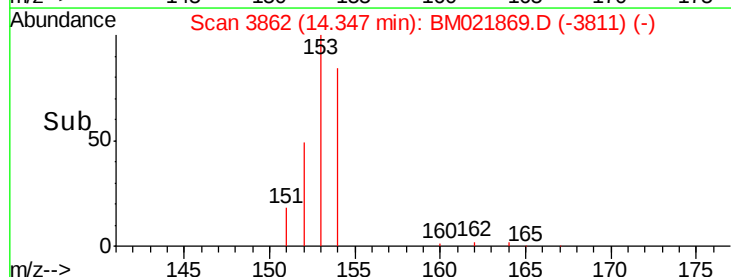
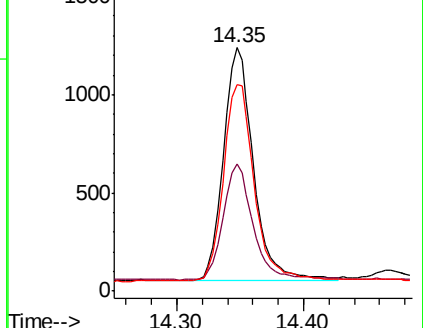
154 84.7 72.3 108.5

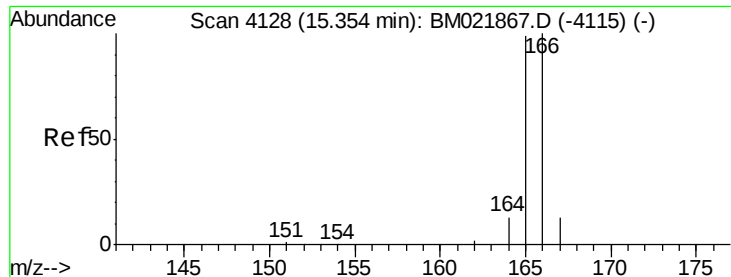


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.145 ng/ul

RT: 15.35 min Scan# 4127

Delta R.T. -0.00 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

Instrument :

BNA_M

ClientSampleId :

A52F0MS

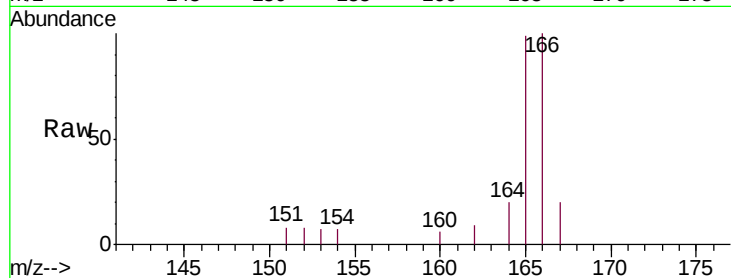
Tgt Ion:166 Resp: 1249

Ion Ratio Lower Upper

166 100

165 99.0 81.4 122.0

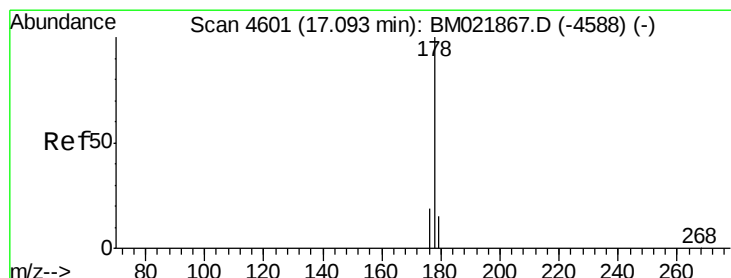
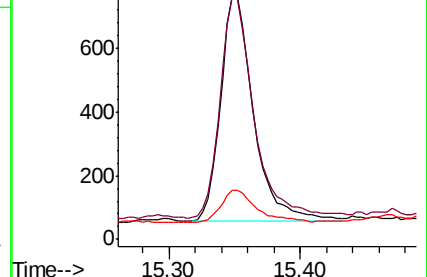
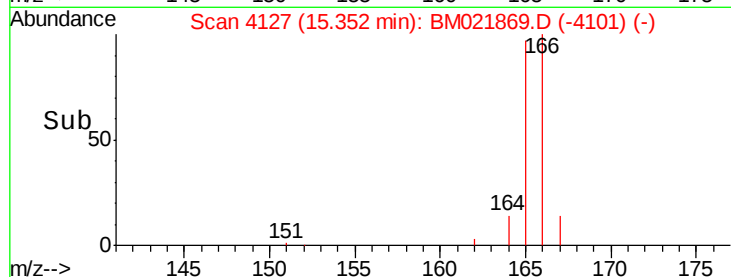
167 20.1 13.7 20.5



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



#12

Phenanthrene

Concen: 4.346 ng/ul

RT: 17.08 min Scan# 4597

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

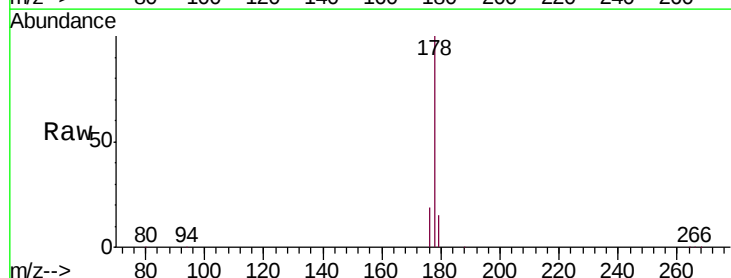
Tgt Ion:178 Resp: 58402

Ion Ratio Lower Upper

178 100

179 15.2 14.2 21.2

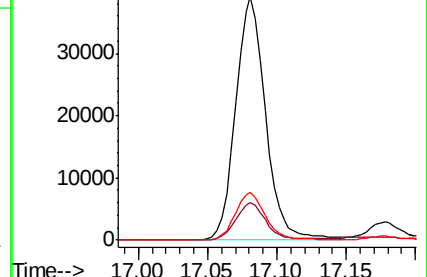
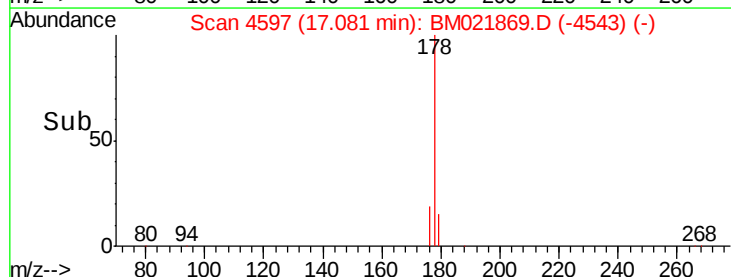
176 19.4 16.8 25.2

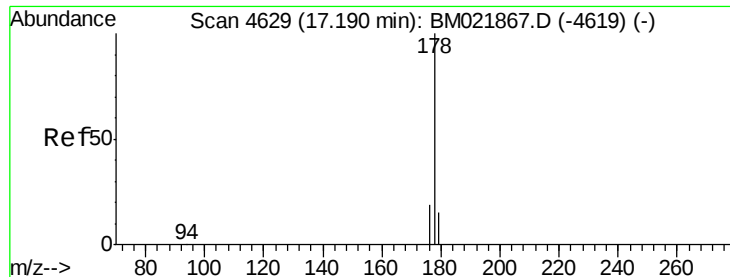


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.358 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

Instrument :

BNA_M

ClientSampleId :

A52F0MS

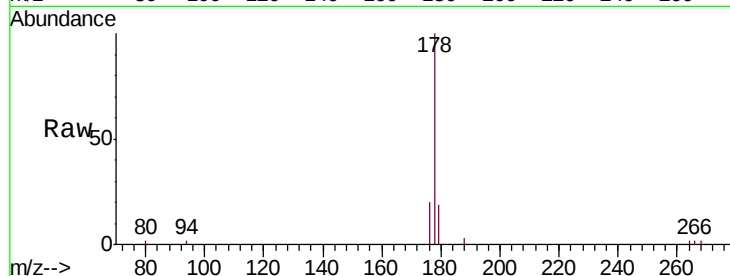
Tgt Ion:178 Resp: 4108

Ion Ratio Lower Upper

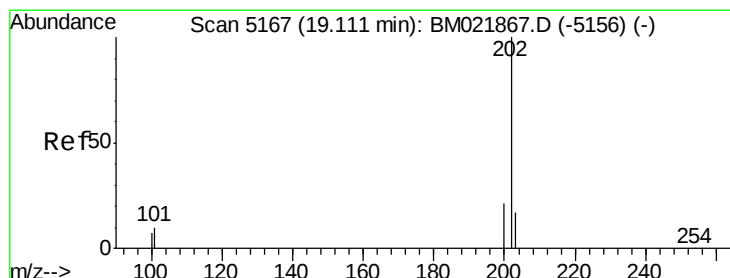
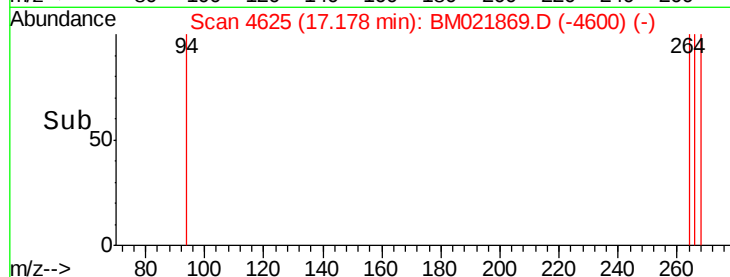
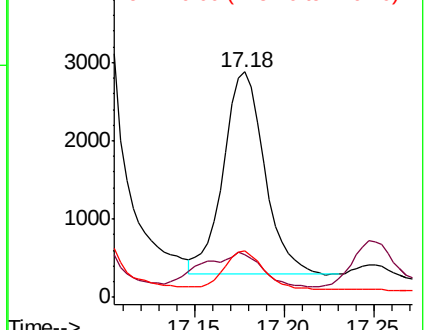
178 100

179 18.8 15.5 23.3

176 20.4 16.6 25.0



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



#15

Fluoranthene

Concen: 10.226 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

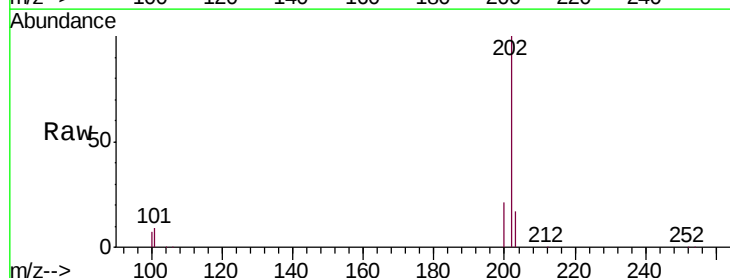
Tgt Ion:202 Resp: 184054

Ion Ratio Lower Upper

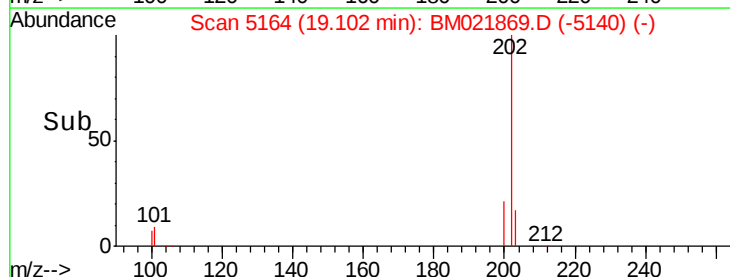
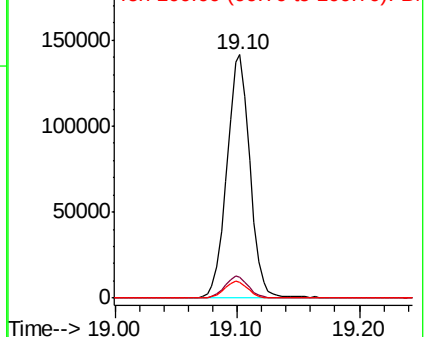
202 100

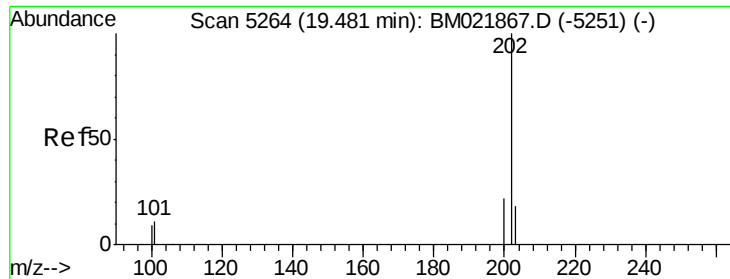
101 8.7 0.0 30.2

100 6.7 0.0 28.1



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





#17

Pyrene

Concen: 7.684 ng/ul

RT: 19.46 min Scan# 5259

Delta R.T. -0.02 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

Instrument :

BNA_M

ClientSampleId :

A52F0MS

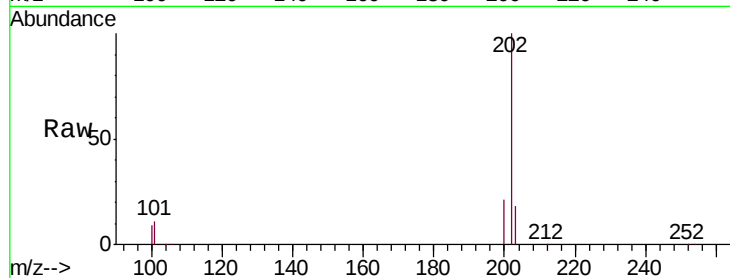
Tgt Ion:202 Resp: 149945

Ion Ratio Lower Upper

202 100

101 10.7 8.3 12.5

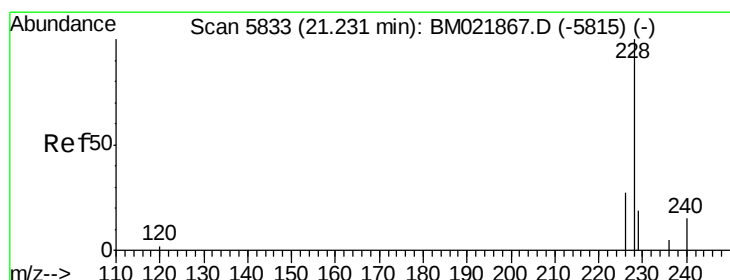
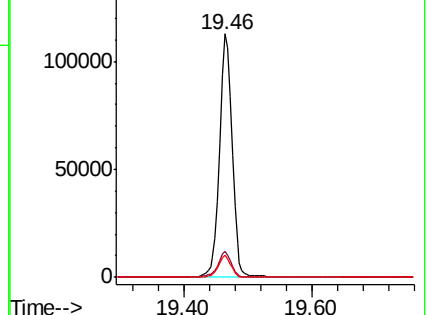
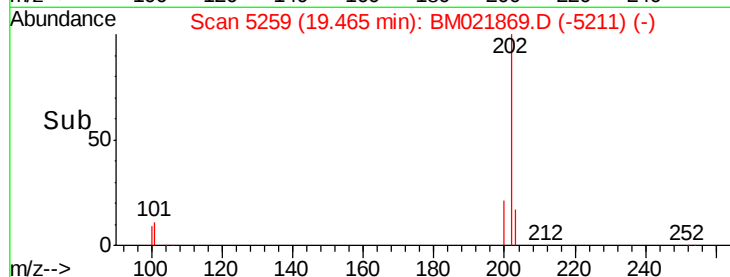
100 8.9 7.2 10.8



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



#18

Benzo(a)anthracene

Concen: 3.614 ng/ul

RT: 21.22 min Scan# 5827

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

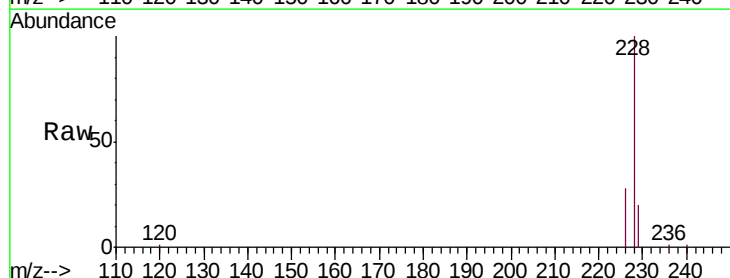
Tgt Ion:228 Resp: 61397

Ion Ratio Lower Upper

228 100

229 20.1 17.2 25.8

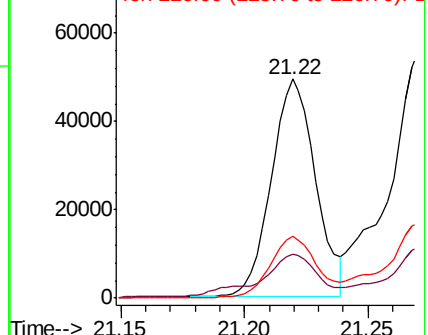
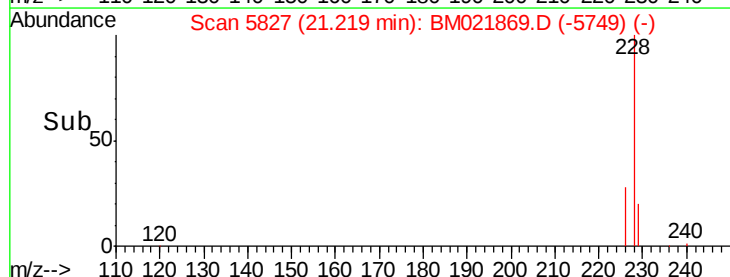
226 28.3 22.6 34.0

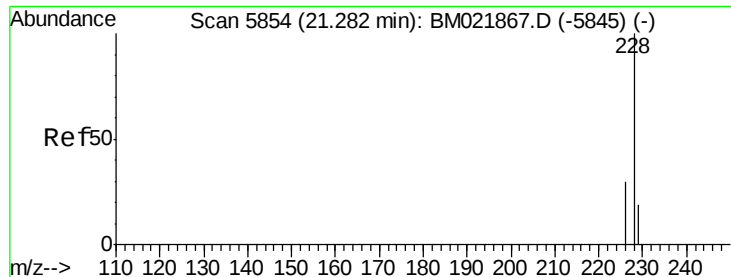


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 4.017 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

Instrument :

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ClientSampleId :

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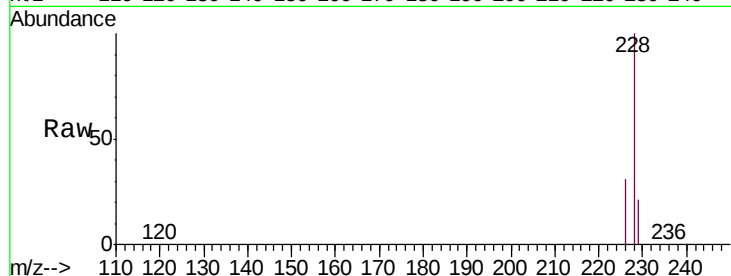
Tgt Ion:228 Resp: 87761

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

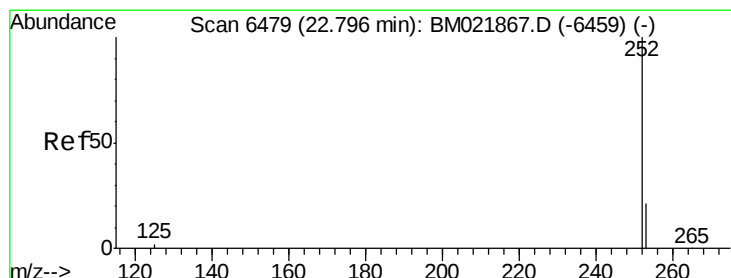
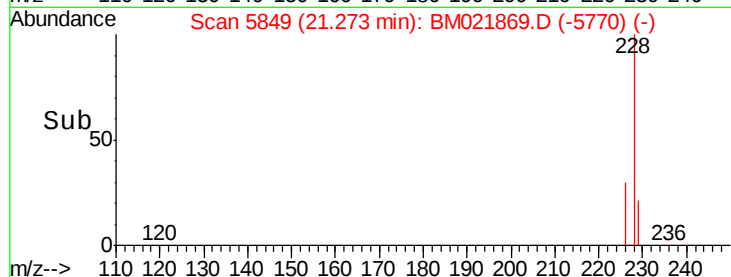
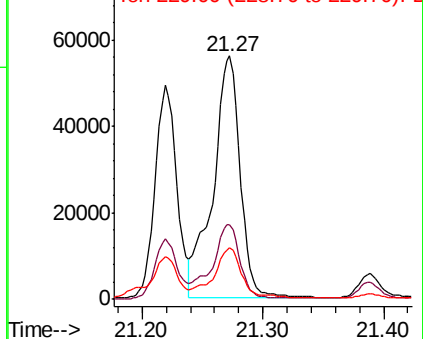
229 21.1 16.6 25.0



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



#21

Benzo(b)fluoranthene

Concen: 8.114 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

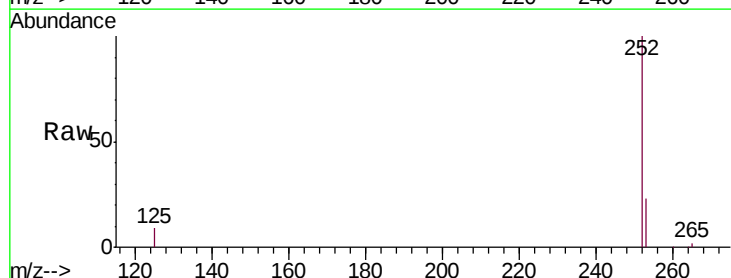
Tgt Ion:252 Resp: 161370

Ion Ratio Lower Upper

252 100

253 22.8 0.0 67.4

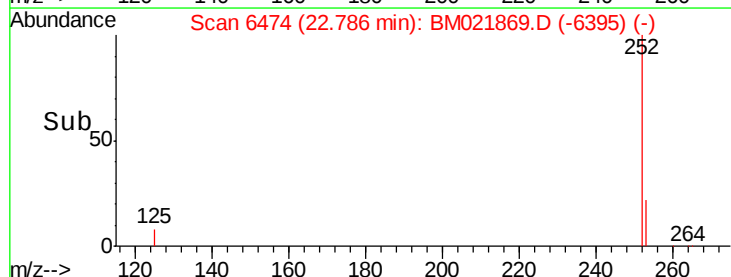
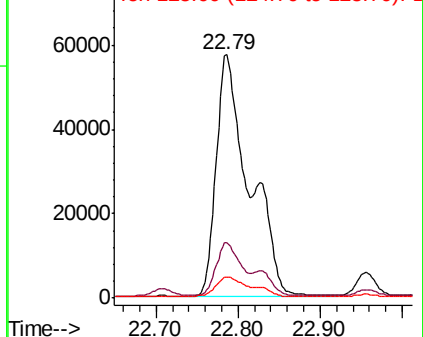
125 8.7 0.0 31.0

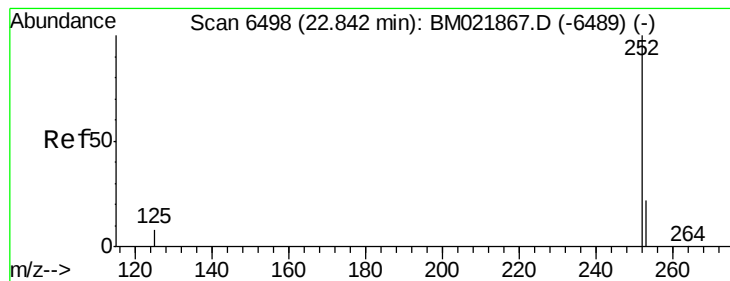


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.366 ng/ul

RT: 22.96 min Scan# 6544

Delta R.T. 0.11 min

Lab File: BM021869.D

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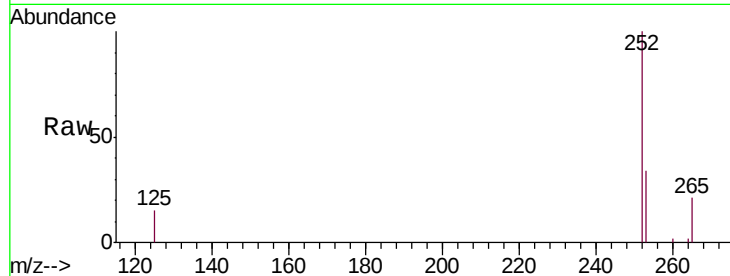
Tgt Ion:252 Resp: 8232

Ion Ratio Lower Upper

252 100

253 33.8 27.0 40.4

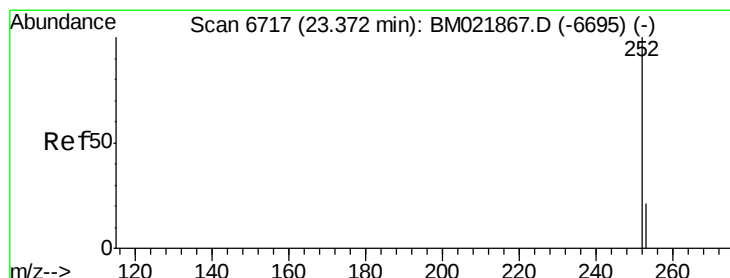
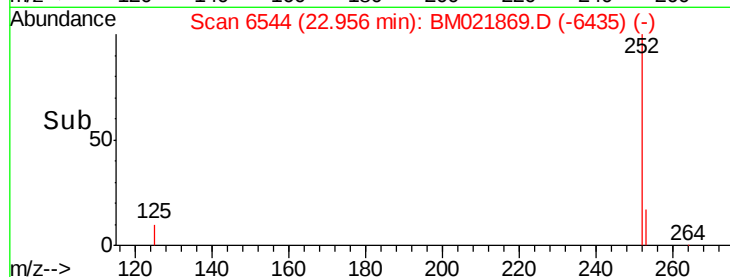
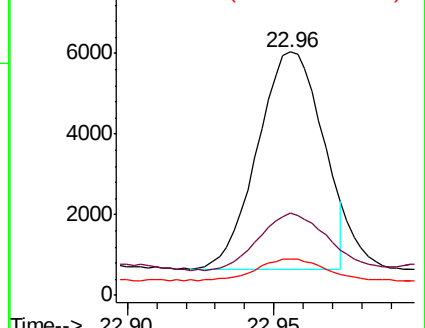
125 14.9 12.2 18.2



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



#23

Benzo(a)pyrene

Concen: 3.477 ng/ul

RT: 23.36 min Scan# 6709

Delta R.T. -0.02 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

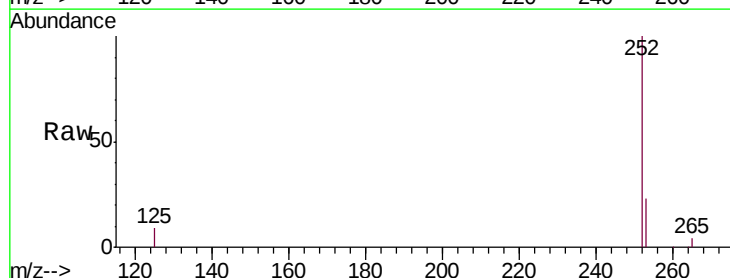
Tgt Ion:252 Resp: 70322

Ion Ratio Lower Upper

252 100

253 23.0 31.7 47.5#

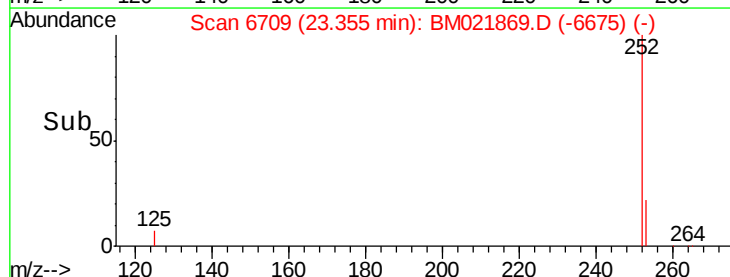
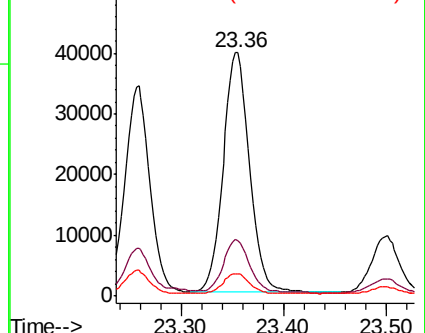
125 9.2 14.6 21.8#

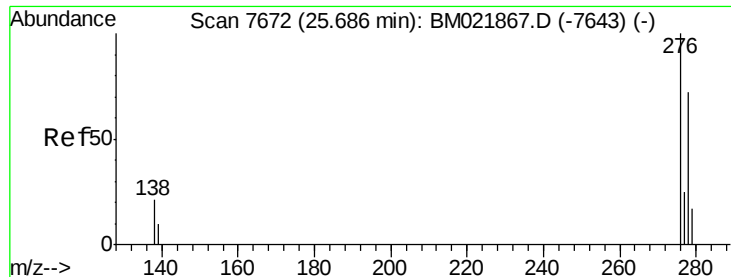


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 2.485 ng/u1

RT: 25.66 min Scan# 7662

Delta R.T. -0.02 min

Lab File: BM021869.D

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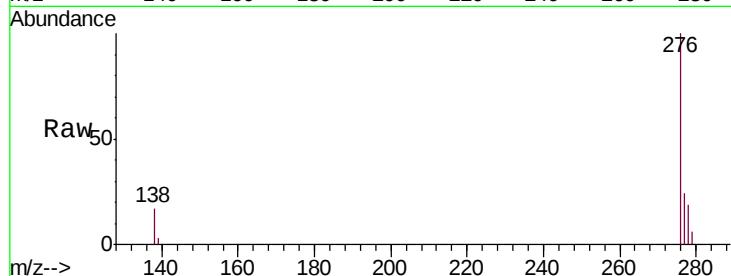
Tgt Ion:276 Resp: 60013

Ion Ratio Lower Upper

276 100

138 15.9 15.1 22.7

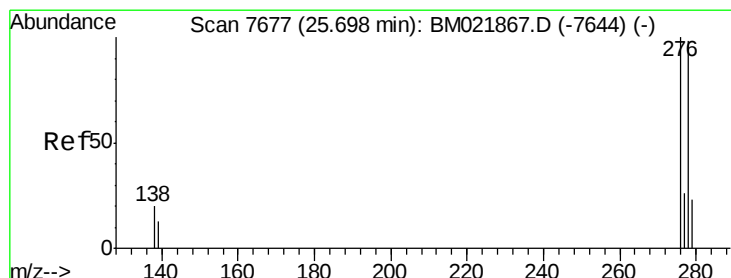
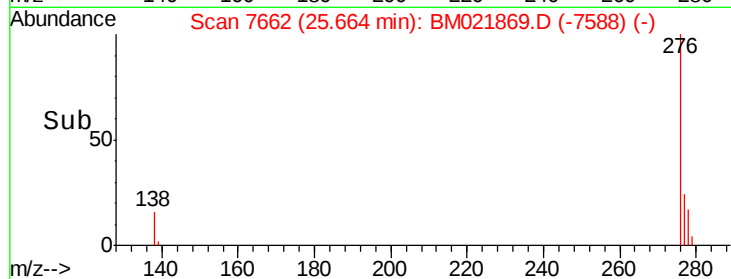
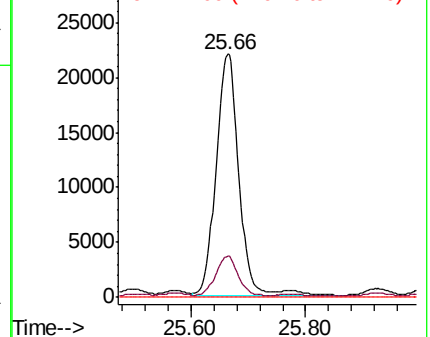
227 0.0 0.0 0.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 0.652 ng/u1

RT: 25.67 min Scan# 7664

Delta R.T. -0.03 min

Lab File: BM021869.D

Acq: 06 Aug 2019 21:44

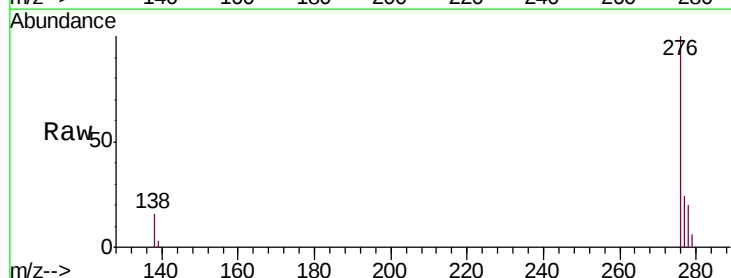
Tgt Ion:278 Resp: 12734

Ion Ratio Lower Upper

278 100

139 16.5 14.2 21.2

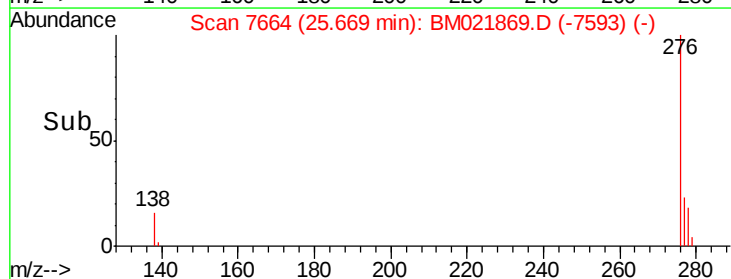
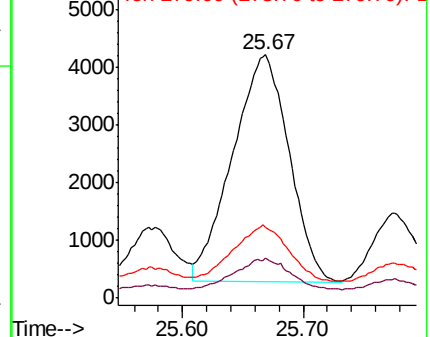
279 29.1 28.3 42.5

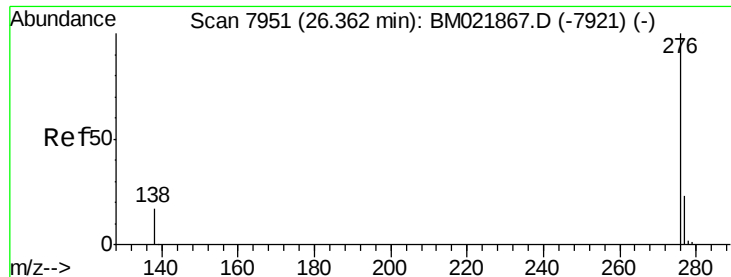


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 2.651 ng/ul

RT: 26.35 min Scan# 7943

Delta R.T. -0.02 min

Lab File: BM021869.D

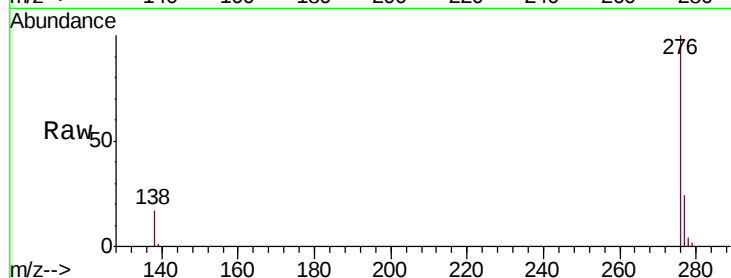
Acq: 06 Aug 2019 21:44

Instrument :

BNA_M

ClientSampleId :

A52F0MS



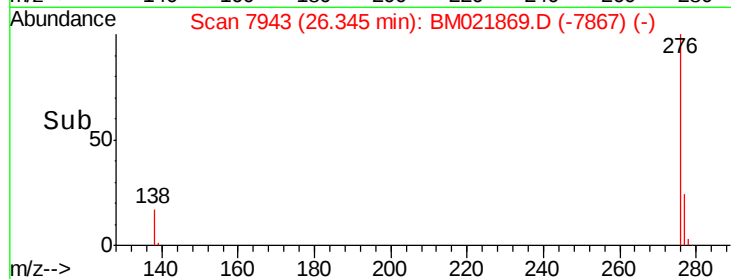
Tgt Ion: 276 Resp: 57634

Ion Ratio Lower Upper

276 100

138 17.5 15.5 23.3

277 24.3 21.4 32.2



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

