

Data File : BM021825.D
Acq On : 04 Aug 2019 23:54
Operator : HP/JU
Sample : K3863-14
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F4

Quant Time: Aug 05 08:23:59 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 : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1011	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4280	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2399	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.14	188	340310	0.40	ng/ul	0.08
16) Chrysene-d12	21.42	240	100	0.40	ng/ul	0.17
20) Perylene-d12	23.71	264	2288	0.40	ng/ul	0.24

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1425	0.20	ng/ul	-0.03
14) Fluoranthene-d10	19.16	212	135	0.00	ng/ul	0.07

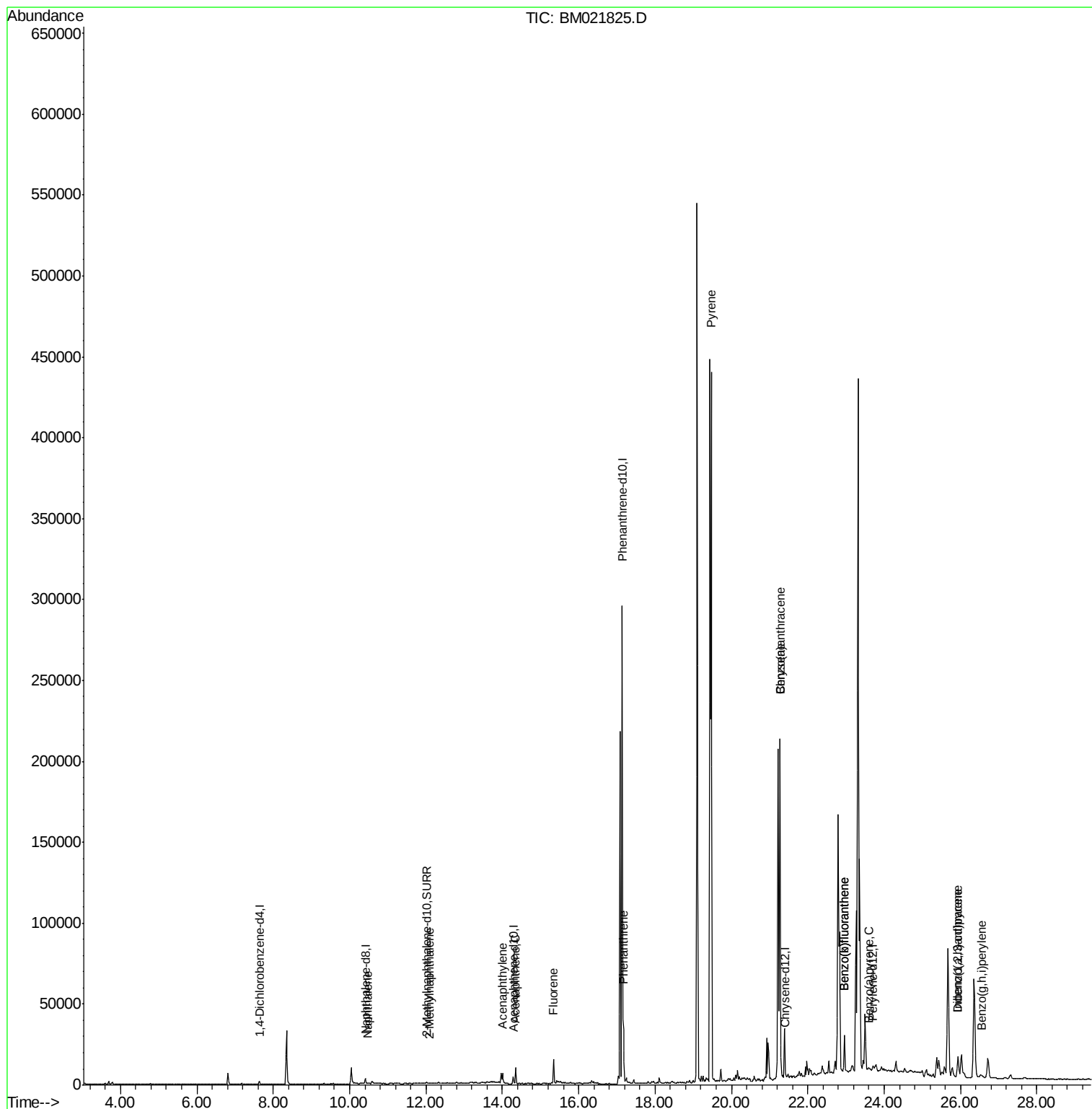
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	562	0.046	ng/ul#	69
5) 2-Methylnaphthalene	12.09	142	261	0.032	ng/ul	95
7) Acenaphthylene	14.01	152	3980	0.356	ng/ul	99
8) Acenaphthene	14.35	153	5794	0.633	ng/ul	97
9) Fluorene	15.34	166	9149	0.900	ng/ul	98
12) Phenanthrene	17.17	178	32592	0.033	ng/ul	97
17) Pyrene	19.47	202	355412	864.897	ng/ul	98
18) Benzo(a)anthracene	21.27	228	207780	580.889	ng/ul	97
19) Chrysene	21.27	228	163682	355.814	ng/ul	99
21) Benzo(b)fluoranthene	22.96	252	28548	3.700	ng/ul	98
22) Benzo(k)fluoranthene	22.96	252	28228	3.233	ng/ul	98
23) Benzo(a)pyrene	23.59	252	988	0.126	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.93	276	5156	0.550	ng/ul#	28
25) Dibenzo(a,h)anthracene	25.93	278	19396	2.561	ng/ul	97
26) Benzo(g,h,i)perylene	26.56	276	2494	0.296	ng/ul#	10

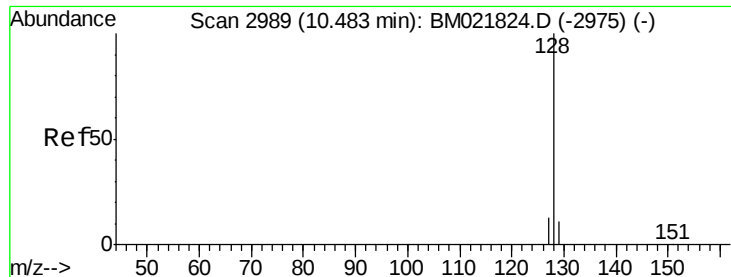
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.046 ng/ul

RT: 10.46 min Scan# 2984

Delta R.T. -0.02 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

ClientSampleId :

A52F4

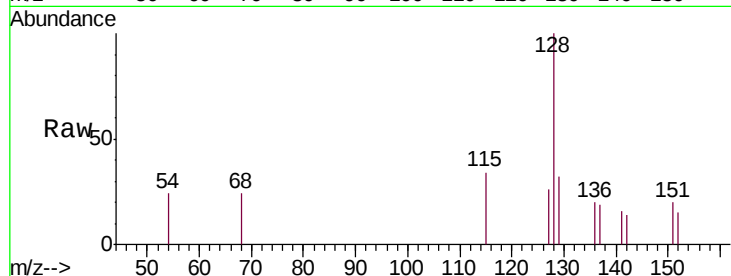
Tgt Ion:128 Resp: 562

Ion Ratio Lower Upper

128 100

129 31.9 12.3 18.5#

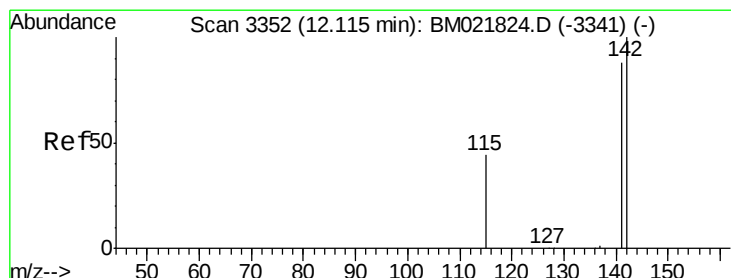
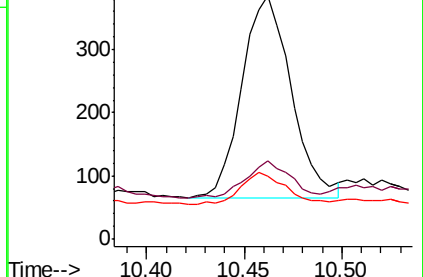
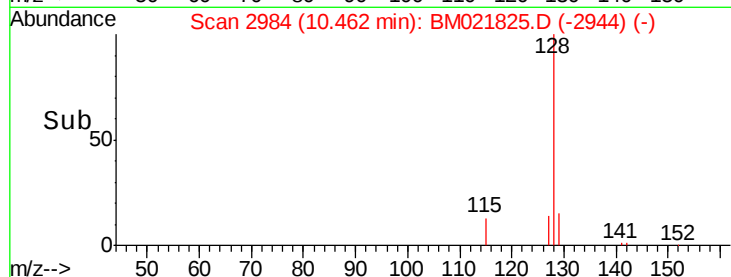
127 25.7 13.0 19.6#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.032 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.03 min

Lab File: BM021825.D

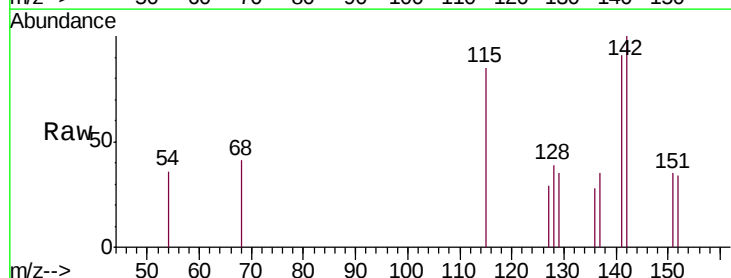
Acq: 04 Aug 2019 23:54

Tgt Ion:142 Resp: 261

Ion Ratio Lower Upper

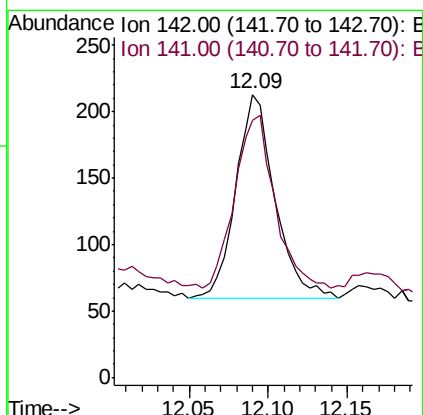
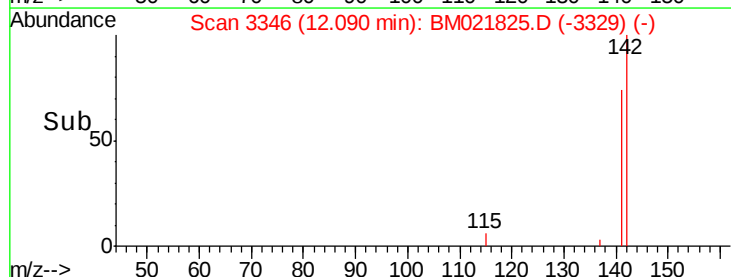
142 100

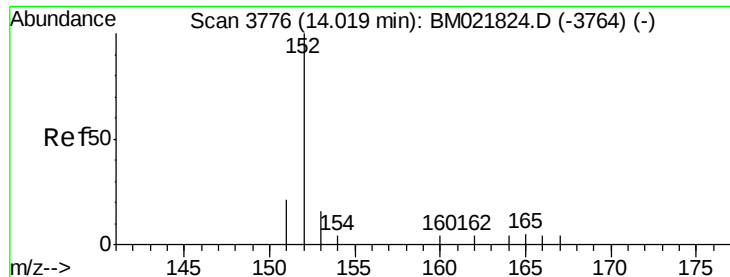
141 88.1 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 14.01 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

ClientSampleId :

A52F4

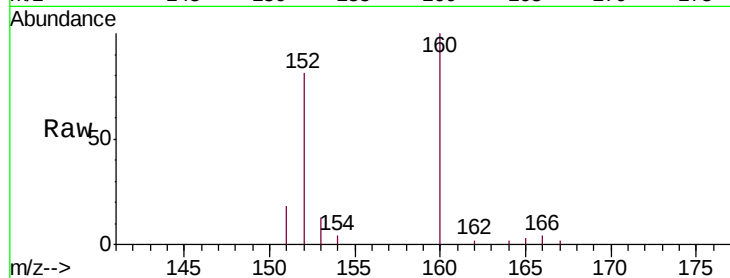
Tgt Ion:152 Resp: 3980

Ion Ratio Lower Upper

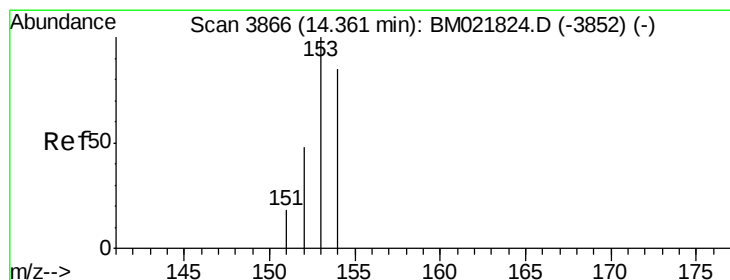
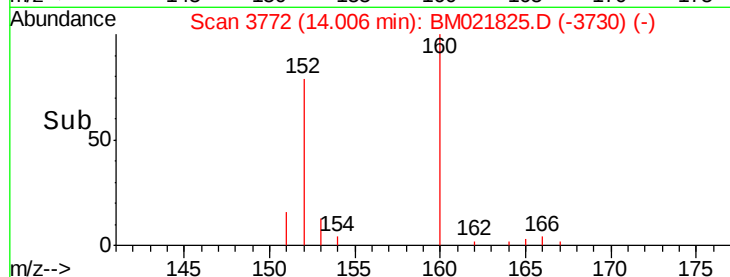
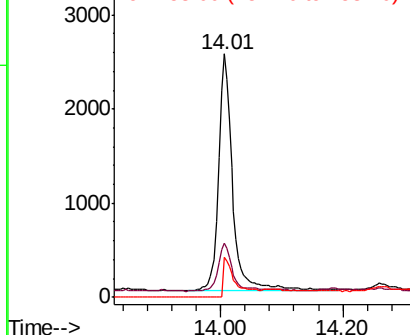
152 100

151 22.4 18.3 27.5

153 16.4 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: 0.633 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

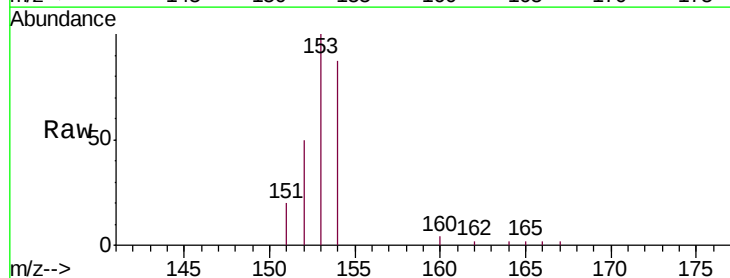
Tgt Ion:153 Resp: 5794

Ion Ratio Lower Upper

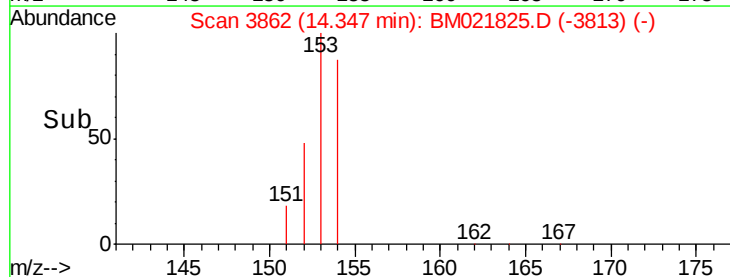
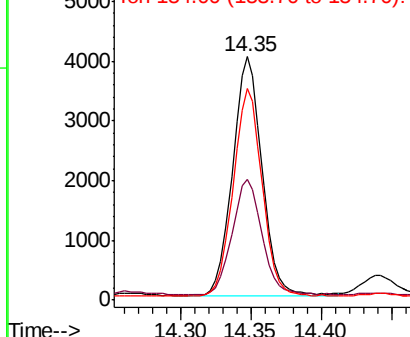
153 100

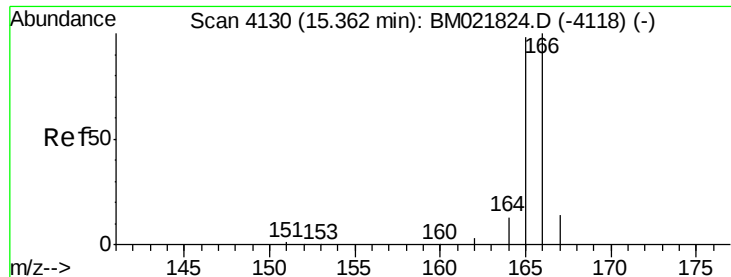
152 49.8 41.3 61.9

154 87.0 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: 0.900 ng/ul

RT: 15.34 min Scan# 4124

Delta R.T. -0.02 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

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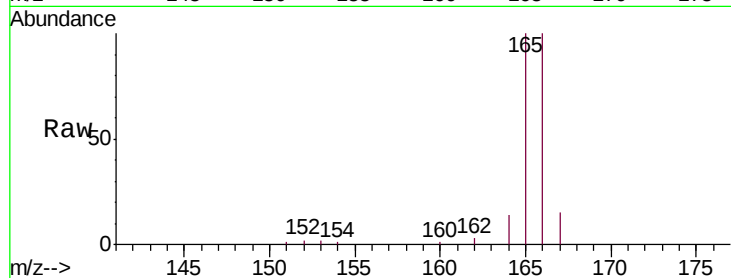
Tgt Ion:166 Resp: 9149

Ion Ratio Lower Upper

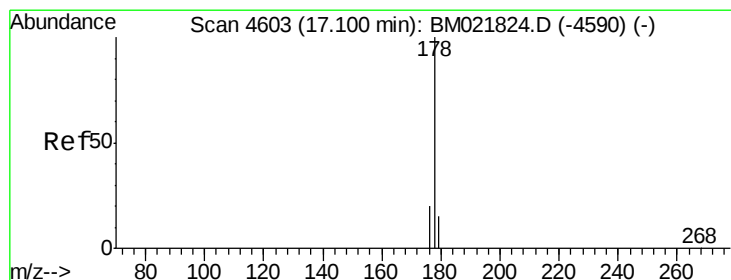
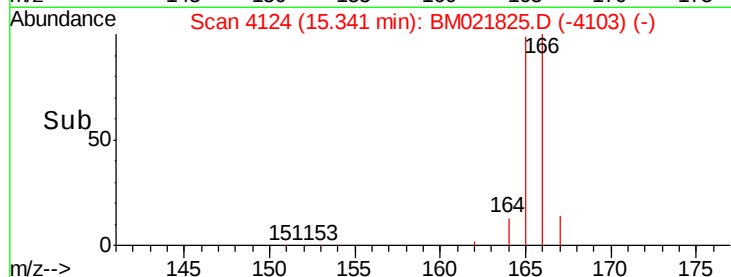
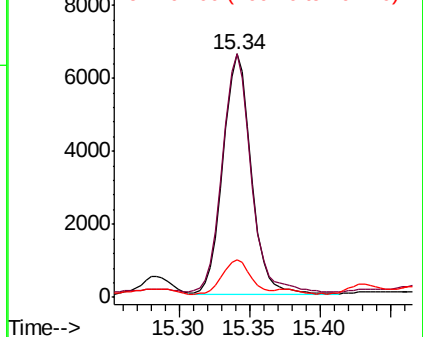
166 100

165 99.9 81.4 122.0

167 15.4 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: 0.033 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. 0.07 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

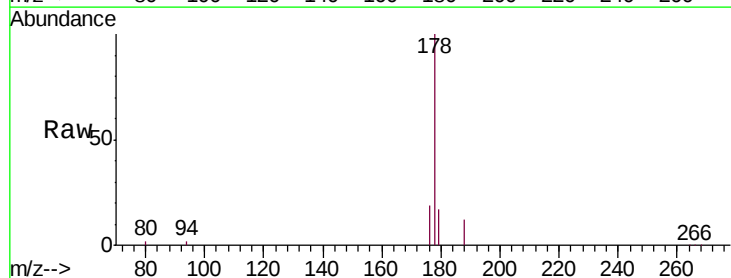
Tgt Ion:178 Resp: 32592

Ion Ratio Lower Upper

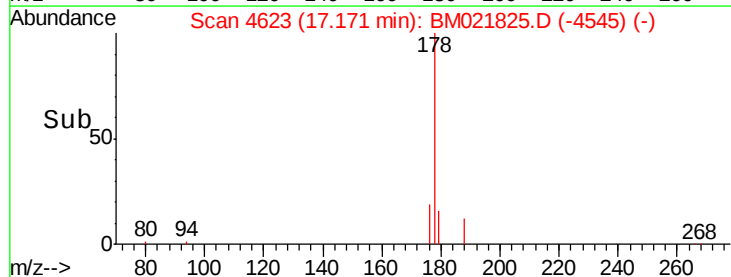
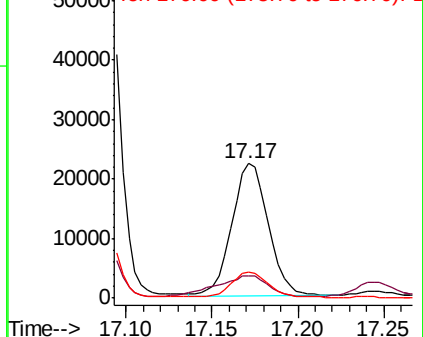
178 100

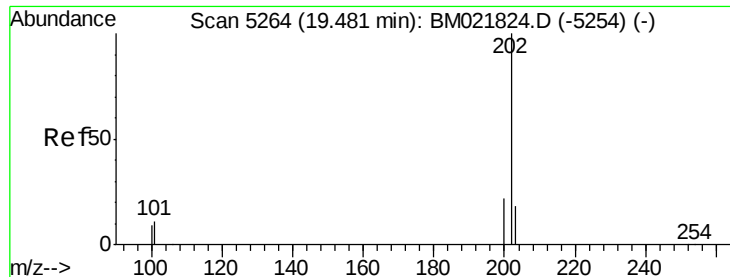
179 16.8 14.2 21.2

176 19.3 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

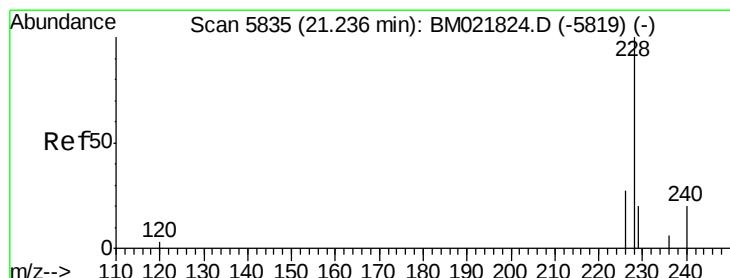
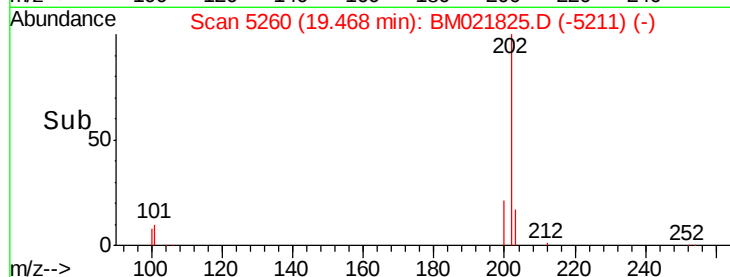
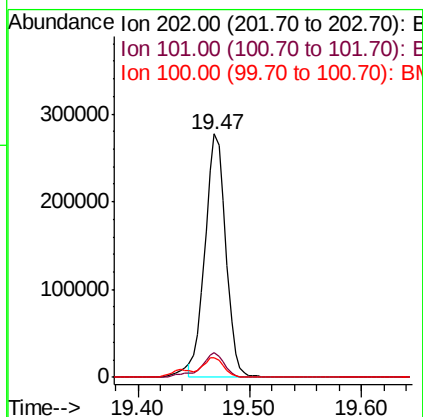
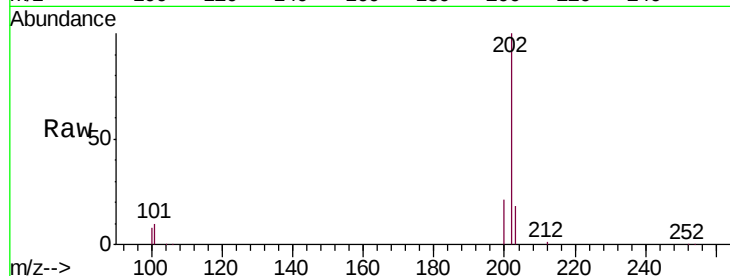




#17
Pyrene
Concen: 864.897 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. -0.01 min
Lab File: BM021825.D
Acq: 04 Aug 2019 23:54

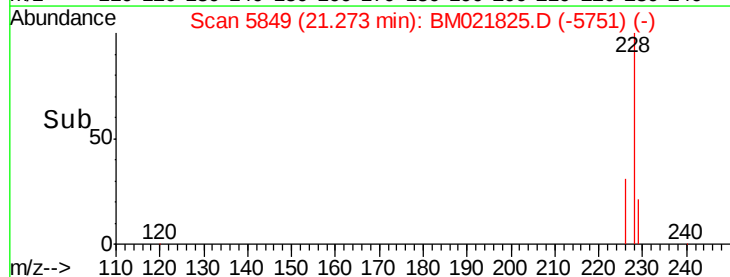
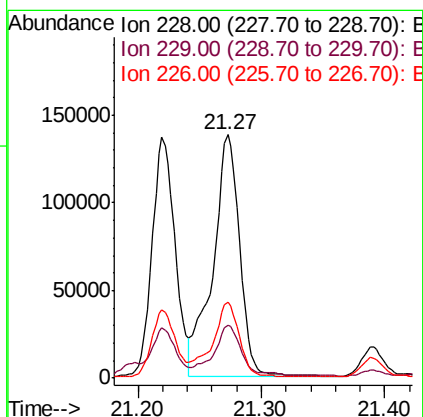
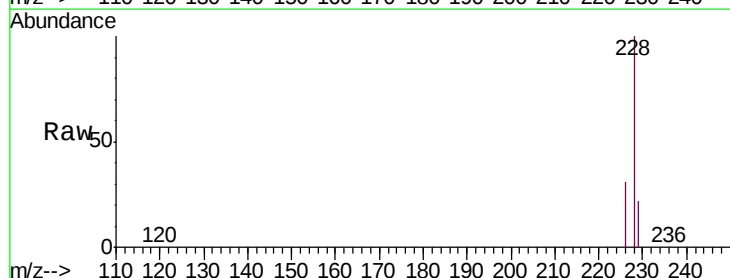
Instrument :
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ClientSampleId :
A52F4

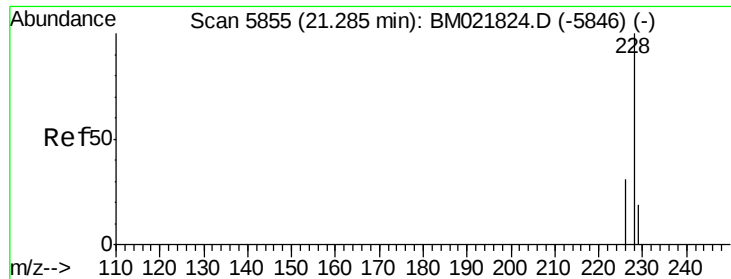
Tgt Ion:202 Resp: 355412
Ion Ratio Lower Upper
202 100
101 9.9 8.3 12.5
100 8.2 7.2 10.8



#18
Benzo(a)anthracene
Concen: 580.889 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. 0.04 min
Lab File: BM021825.D
Acq: 04 Aug 2019 23:54

Tgt Ion:228 Resp: 207780
Ion Ratio Lower Upper
228 100
229 21.7 17.2 25.8
226 31.0 22.6 34.0





#19

Chrysene

Concen: 355.814 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

ClientSampleId :

A52F4

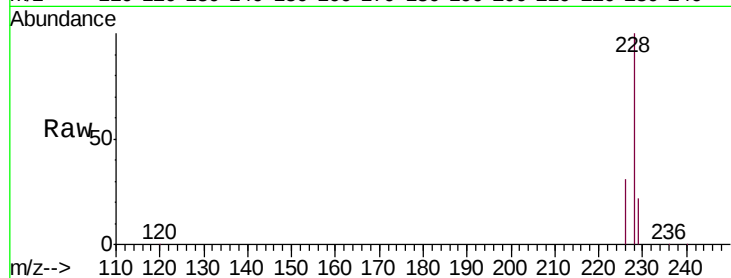
Tgt Ion:228 Resp: 163682

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

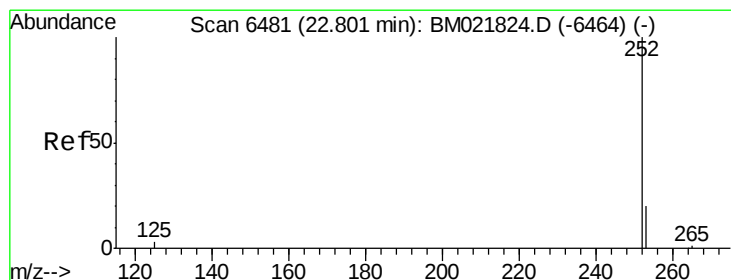
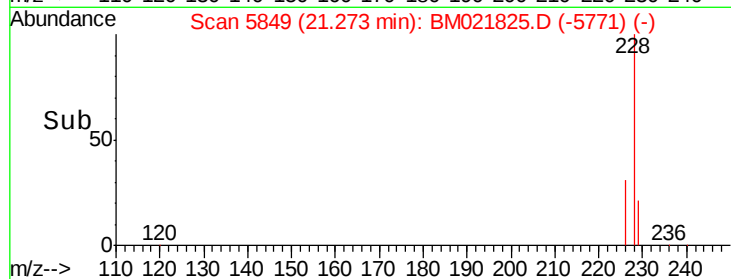
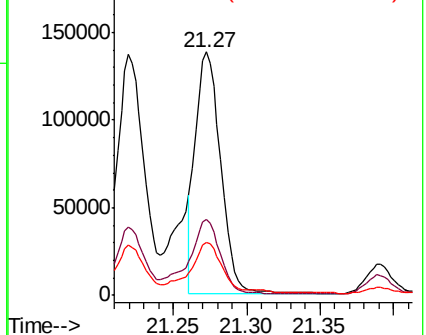
229 21.7 16.6 25.0



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: 3.700 ng/ul

RT: 22.96 min Scan# 6545

Delta R.T. 0.16 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

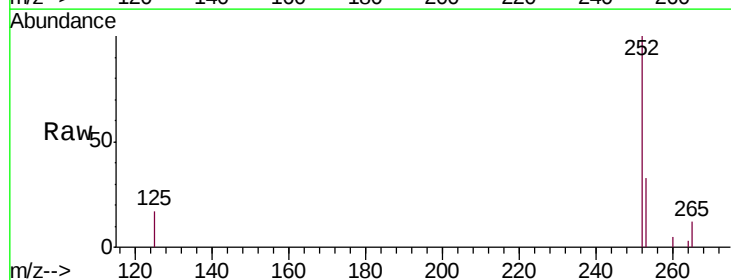
Tgt Ion:252 Resp: 28548

Ion Ratio Lower Upper

252 100

253 33.3 0.0 67.4

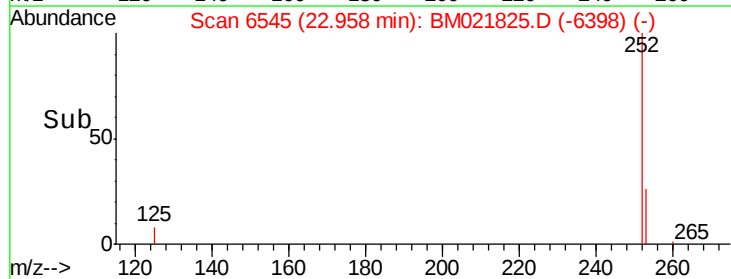
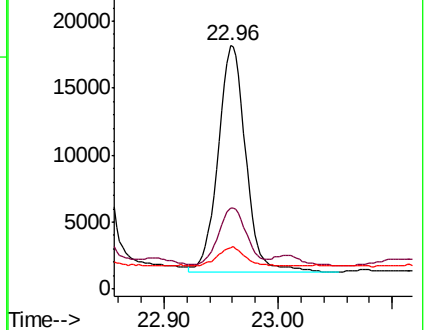
125 17.0 0.0 31.0

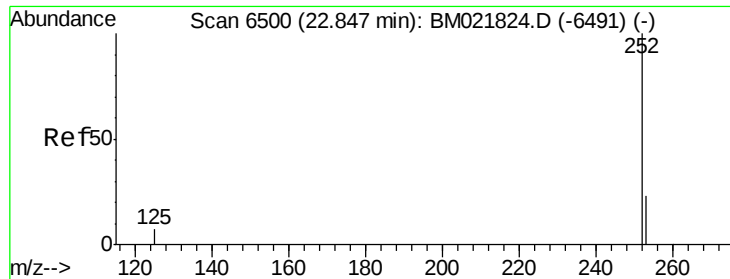


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.233 ng/ul

RT: 22.96 min Scan# 6545

Delta R.T. 0.11 min

Lab File: BM021825.D

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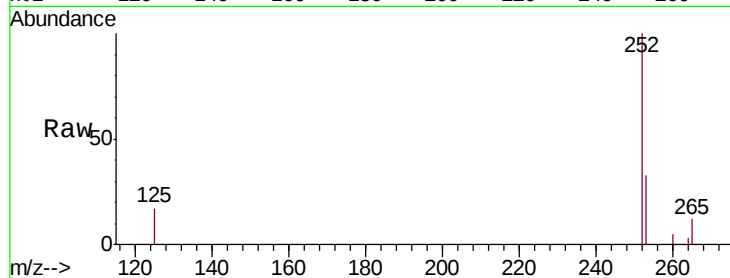
Tgt Ion:252 Resp: 28228

Ion Ratio Lower Upper

252 100

253 33.3 27.0 40.4

125 17.0 12.2 18.2

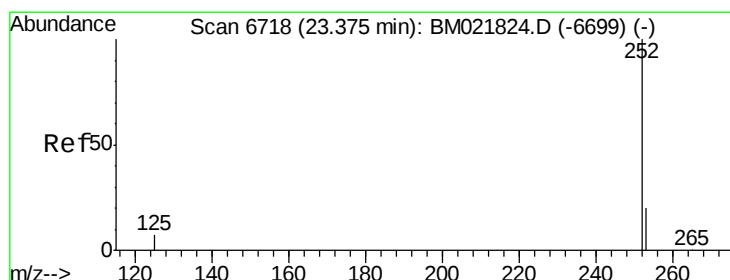
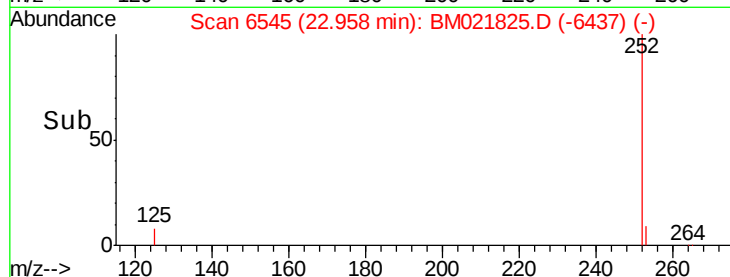
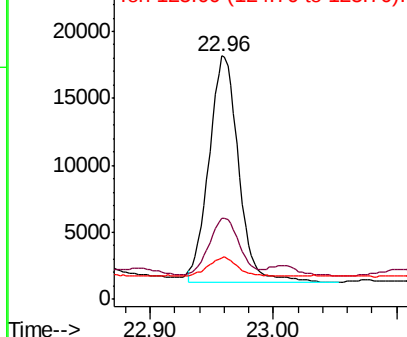


Abundance

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: 0.126 ng/ul

RT: 23.59 min Scan# 6804

Delta R.T. 0.21 min

Lab File: BM021825.D

Acq: 04 Aug 2019 23:54

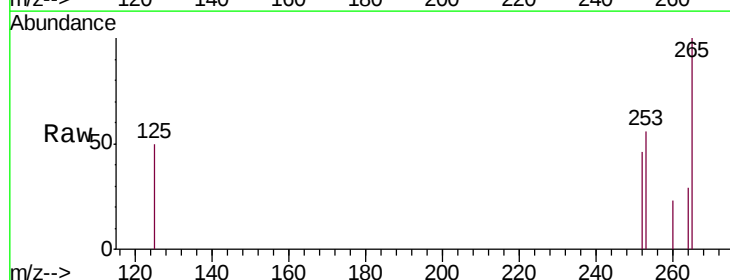
Tgt Ion:252 Resp: 988

Ion Ratio Lower Upper

252 100

253 122.8 31.7 47.5#

125 108.8 14.6 21.8#

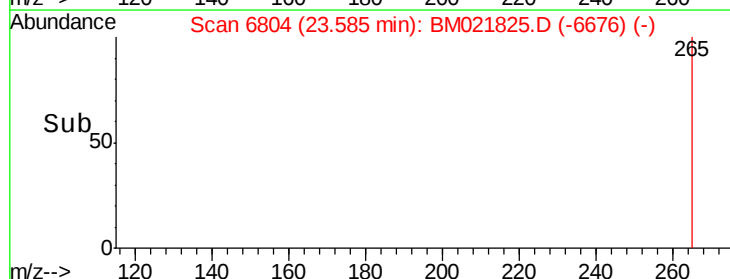
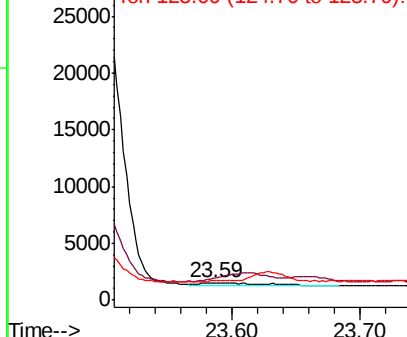


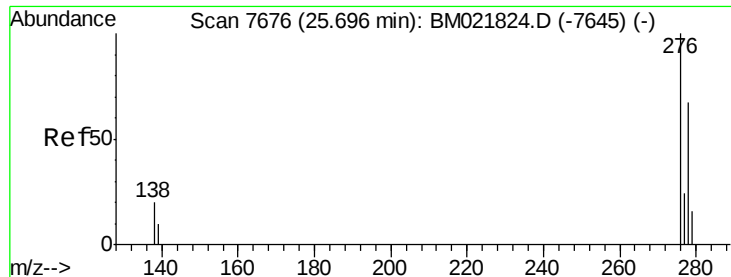
Abundance

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



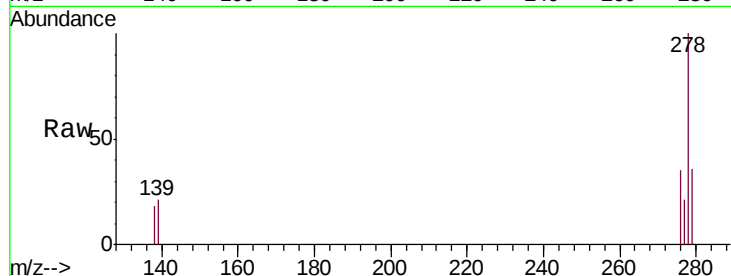


#24

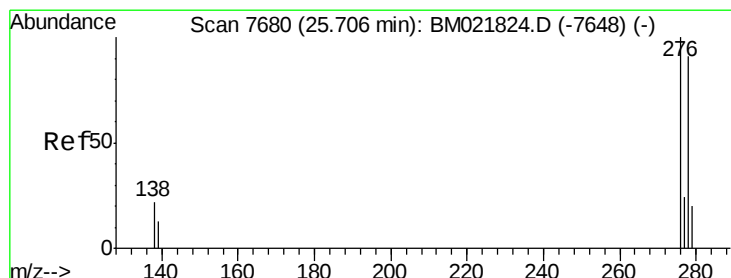
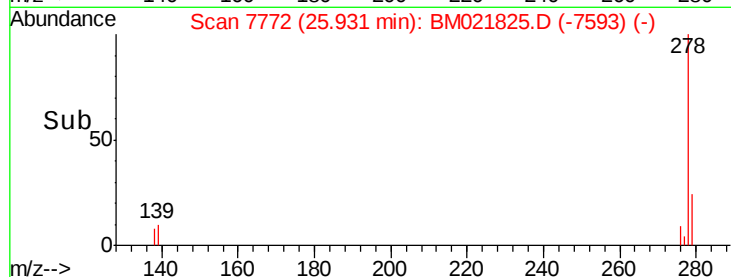
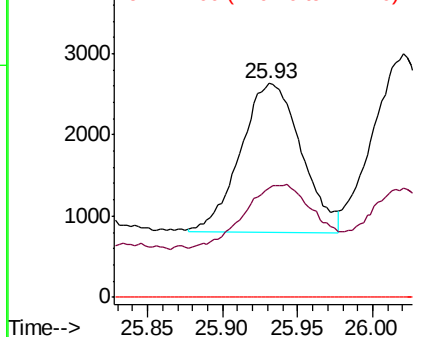
Indeno(1,2,3-cd)pyrene
Concen: 0.550 ng/u1
RT: 25.93 min Scan# 7772
Delta R.T. 0.23 min
Lab File: BM021825.D
Acq: 04 Aug 2019 23:54

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:276 Resp: 5156
Ion Ratio Lower Upper
276 100
138 51.3 15.1 22.7#
227 0.0 0.0 0.0



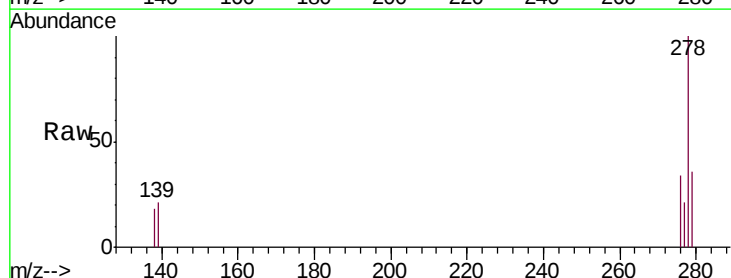
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



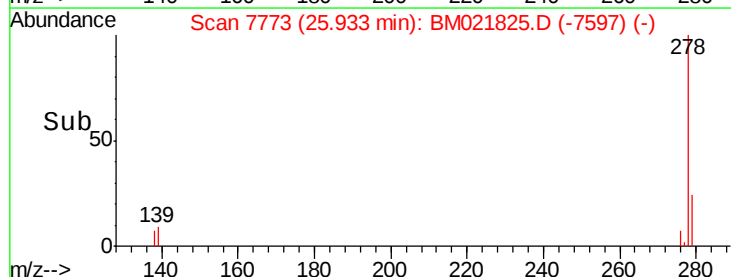
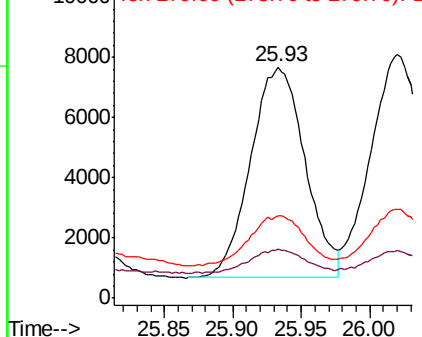
#25

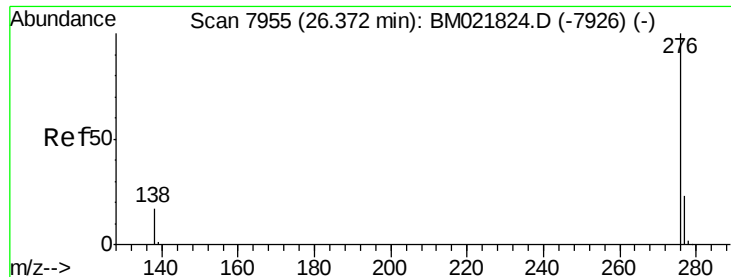
Dibenzo(a,h)anthracene
Concen: 2.561 ng/u1
RT: 25.93 min Scan# 7773
Delta R.T. 0.23 min
Lab File: BM021825.D
Acq: 04 Aug 2019 23:54

Tgt Ion:278 Resp: 19396
Ion Ratio Lower Upper
278 100
139 21.0 14.2 21.2
279 35.6 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: 0.296 ng/ul

RT: 26.56 min Scan# 8033

Delta R.T. 0.19 min

Lab File: BM021825.D

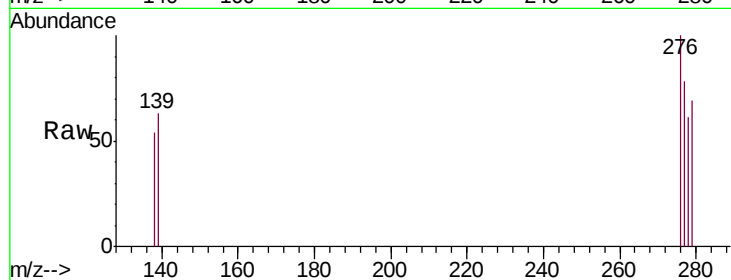
Acq: 04 Aug 2019 23:54

Instrument :

BNA_M

ClientSampleId :

A52F4



Tgt Ion: 276 Resp: 2494

Ion Ratio Lower Upper

276 100

138 54.1 15.5 23.3#

277 78.1 21.4 32.2#

