

Data File : BM021853.D
Acq On : 05 Aug 2019 21:43
Operator : HP/JU
Sample : K3863-14DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F4DL

Quant Time: Aug 06 01:32:21 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 : Tue Aug 06 01:29:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	941	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3895	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2243	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	5200	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	5238	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	7864	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	443	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	1493	0.09	ng/ul	0.00

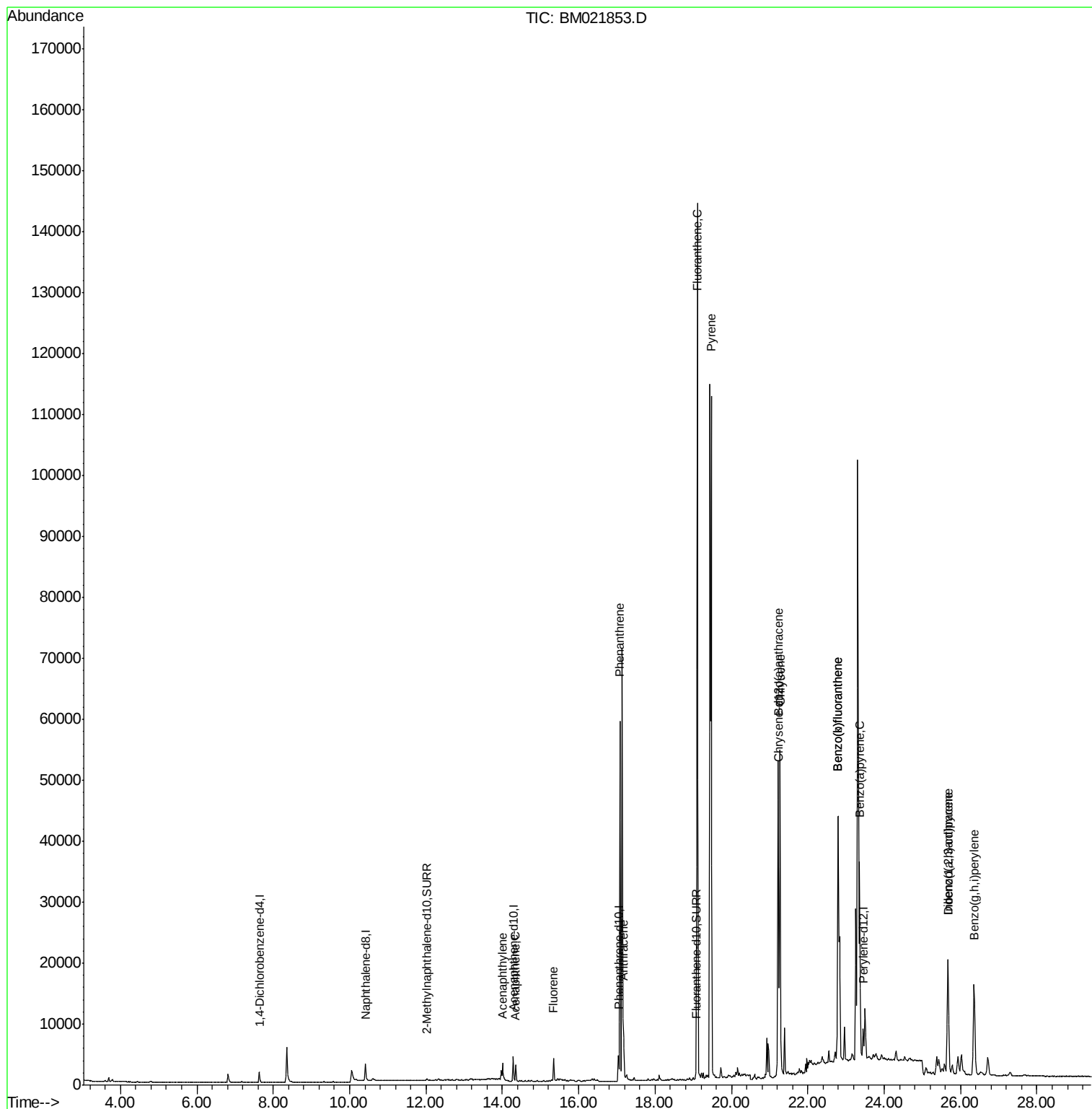
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Acenaphthylene	14.00	152	1188	0.114	ng/ul#	91
8) Acenaphthene	14.35	153	1631	0.191	ng/ul	96
9) Fluorene	15.34	166	2501	0.263	ng/ul	99
12) Phenanthrene	17.08	178	59931	3.961	ng/ul	96
13) Anthracene	17.17	178	8211	0.636	ng/ul	98
15) Fluoranthene	19.10	202	122166	6.028	ng/ul	95
17) Pyrene	19.47	202	98035	4.555	ng/ul	98
18) Benzo(a)anthracene	21.22	228	43622	2.328	ng/ul	99
19) Chrysene	21.27	228	53841	2.234	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	89944	3.392	ng/ul	85
22) Benzo(k)fluoranthene	22.79	252	89944	2.997	ng/ul#	85
23) Benzo(a)pyrene	23.36	252	42059	1.560	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.67	276	30794	0.956	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.68	278	7611	0.292	ng/ul#	93
26) Benzo(g,h,i)perylene	26.36	276	31314	1.080	ng/ul	97

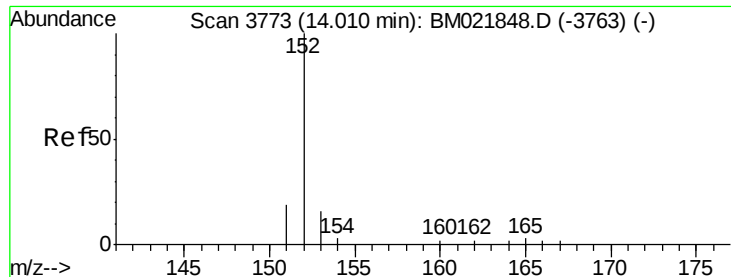
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.114 ng/ul

RT: 14.00 min Scan# 3772

Delta R.T. -0.01 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

Instrument :

BNA_M

ClientSampleId :

A52F4DL

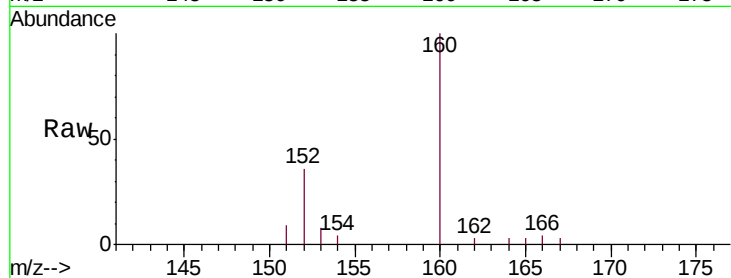
Tgt Ion:152 Resp: 1188

Ion Ratio Lower Upper

152 100

151 26.1 18.3 27.5

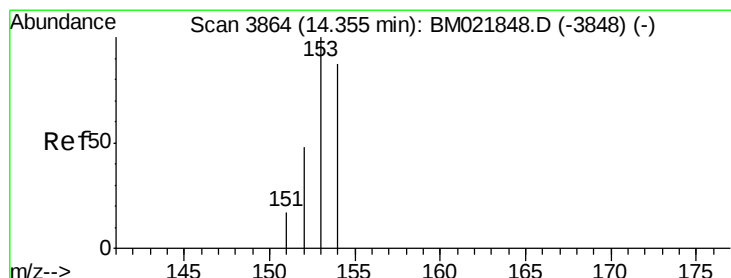
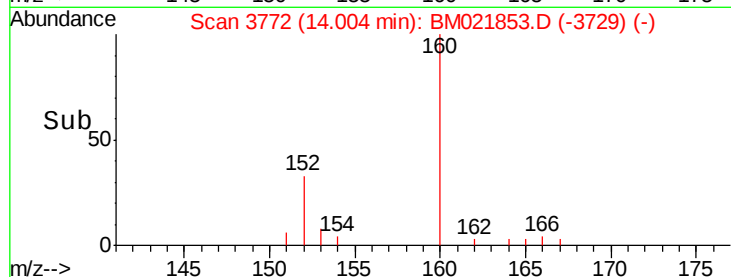
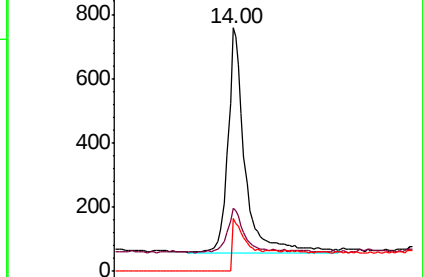
153 21.5 12.8 19.2#



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: 0.191 ng/ul

RT: 14.35 min Scan# 3863

Delta R.T. -0.01 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

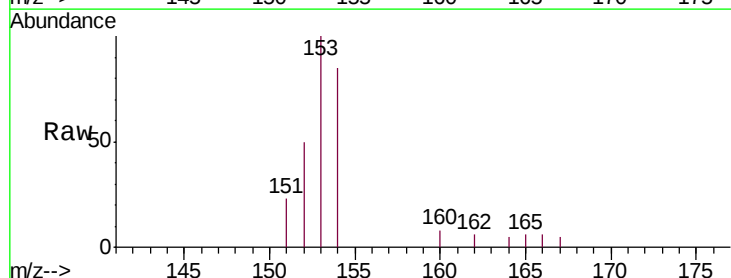
Tgt Ion:153 Resp: 1631

Ion Ratio Lower Upper

153 100

152 50.2 41.3 61.9

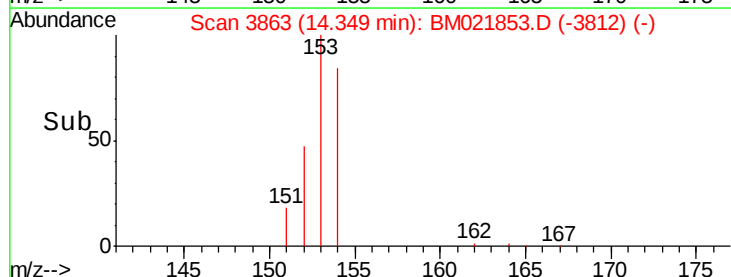
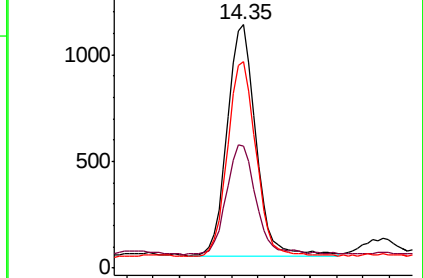
154 84.8 72.3 108.5

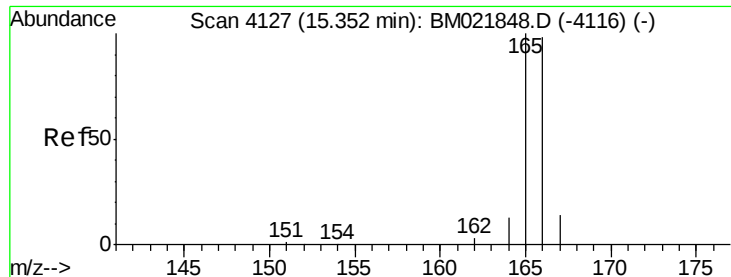


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

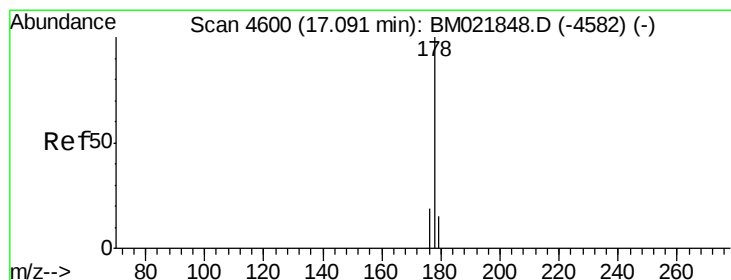
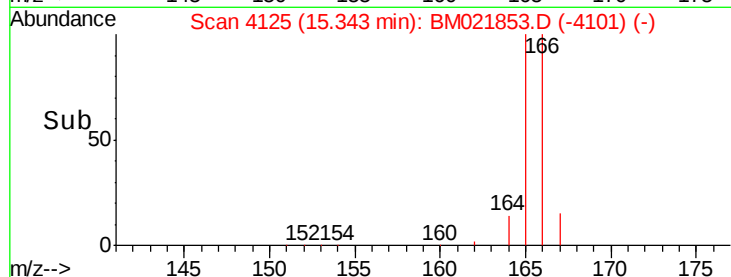
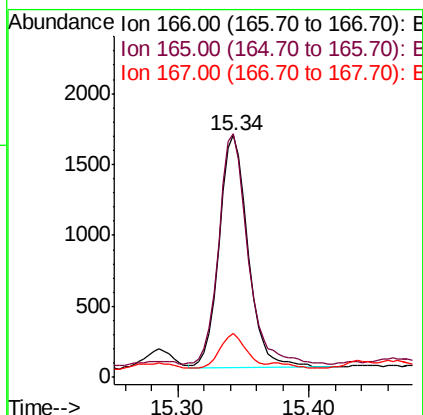
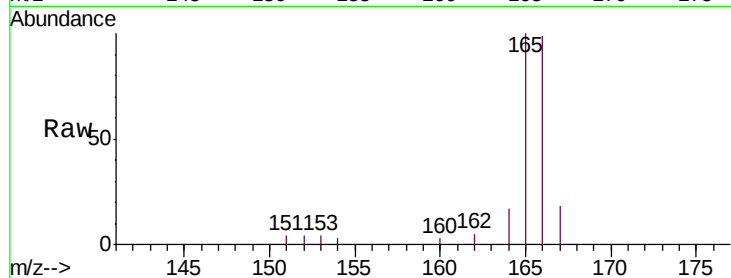




#9
Fluorene
 Concen: 0.263 ng/ul
 RT: 15.34 min Scan# 4125
 Delta R.T. -0.01 min
 Lab File: BM021853.D
 Acq: 05 Aug 2019 21:43

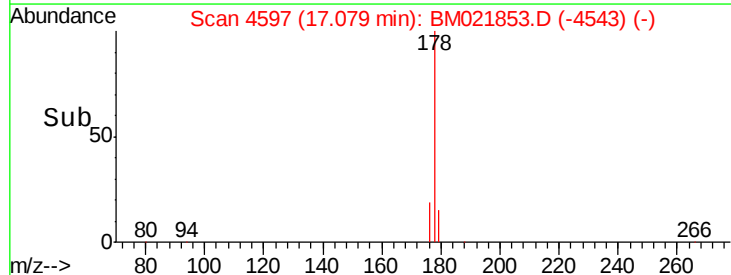
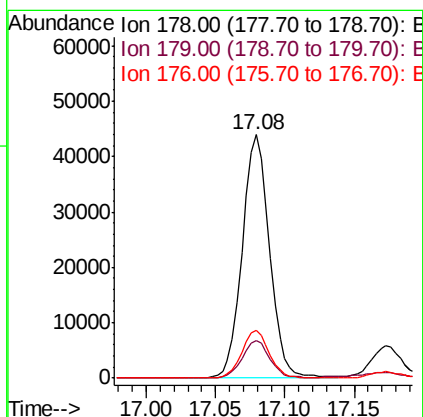
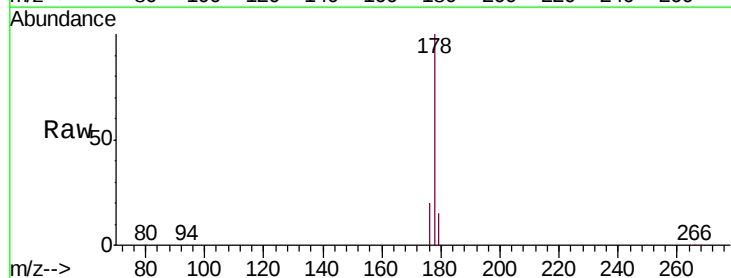
Instrument :
 BNA_M
 ClientSampleId :
 A52F4DL

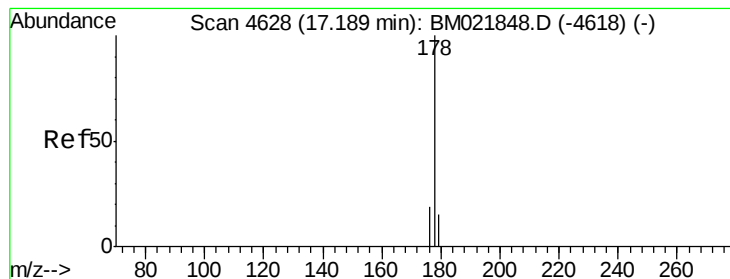
Tgt Ion:166 Resp: 2501
 Ion Ratio Lower Upper
 166 100
 165 100.6 81.4 122.0
 167 18.1 13.7 20.5



#12
Phenanthrene
 Concen: 3.961 ng/ul
 RT: 17.08 min Scan# 4597
 Delta R.T. -0.01 min
 Lab File: BM021853.D
 Acq: 05 Aug 2019 21:43

Tgt Ion:178 Resp: 59931
 Ion Ratio Lower Upper
 178 100
 179 15.3 14.2 21.2
 176 19.6 16.8 25.2





#13

Anthracene

Concen: 0.636 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. -0.02 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

Instrument :

BNA_M

ClientSampleId :

A52F4DL

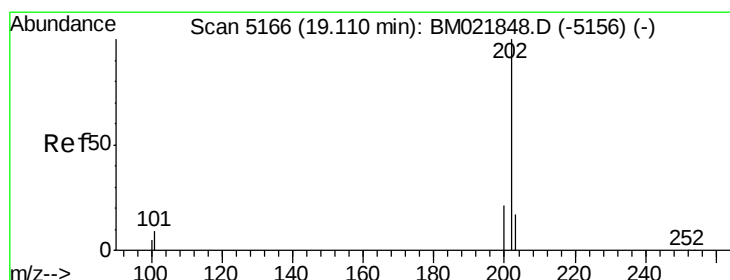
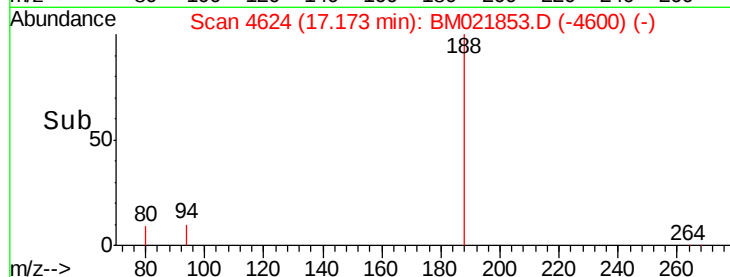
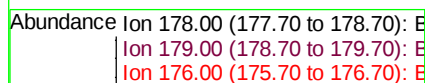
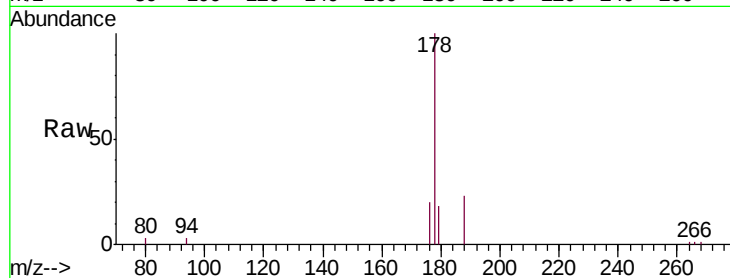
Tgt Ion:178 Resp: 8211

Ion Ratio Lower Upper

178 100

179 18.0 15.5 23.3

176 20.0 16.6 25.0



#15

Fluoranthene

Concen: 6.028 ng/ul

RT: 19.10 min Scan# 5165

Delta R.T. -0.01 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

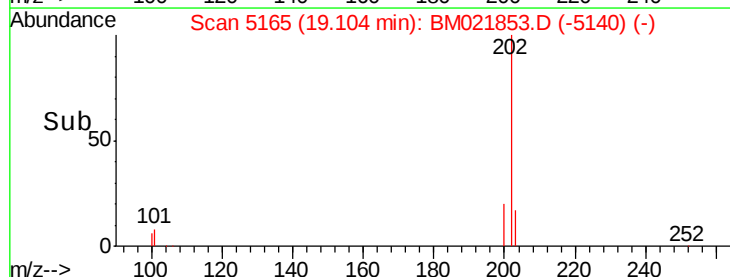
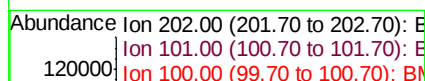
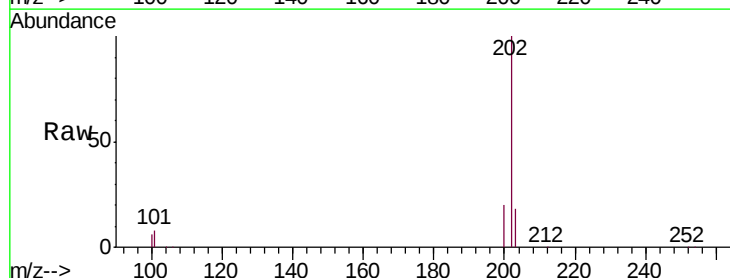
Tgt Ion:202 Resp: 122166

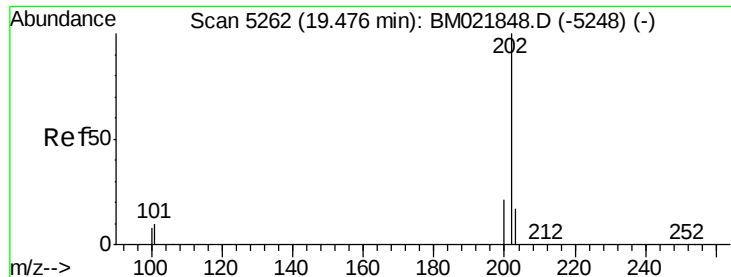
Ion Ratio Lower Upper

202 100

101 8.4 0.0 30.2

100 6.4 0.0 28.1

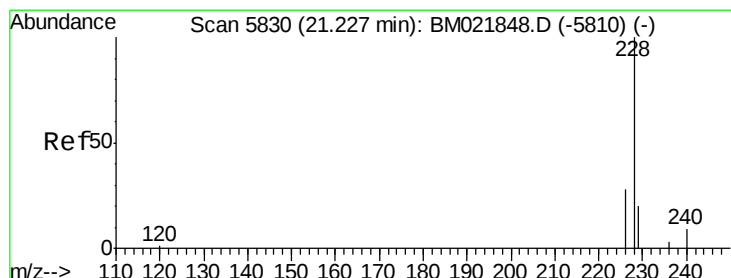
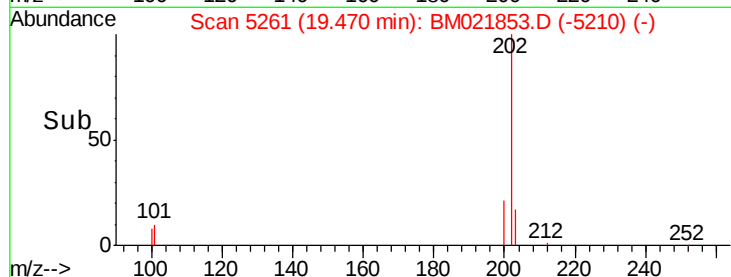
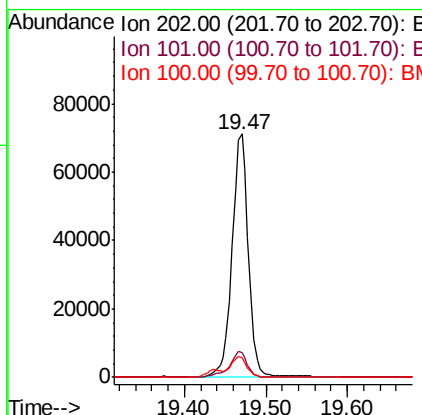
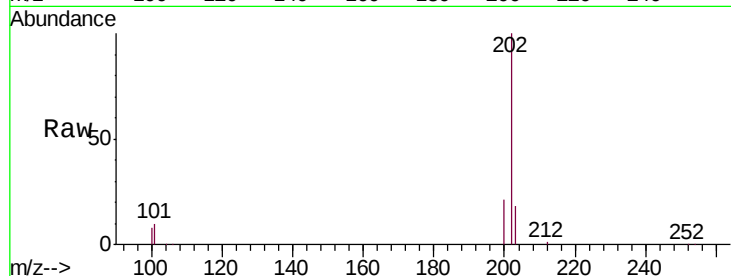




#17
 Pyrene
 Concen: 4.555 ng/ul
 RT: 19.47 min Scan# 5261
 Delta R.T. -0.01 min
 Lab File: BM021853.D
 Acq: 05 Aug 2019 21:43

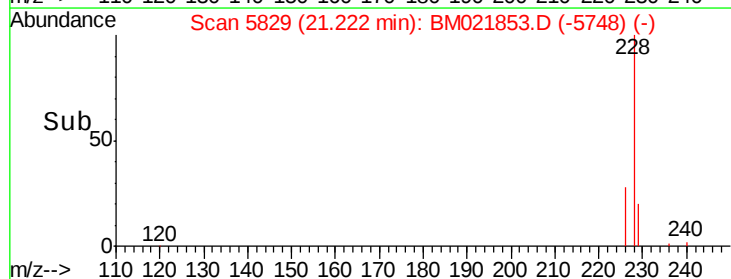
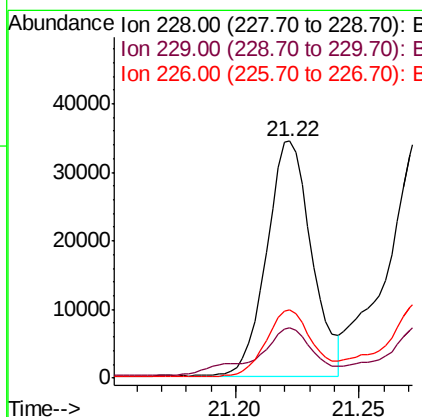
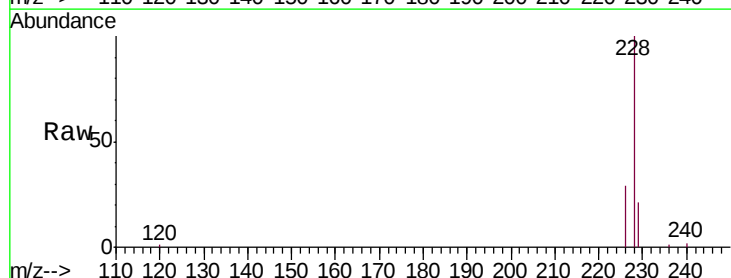
Instrument :
 BNA_M
 ClientSampleId :
 A52F4DL

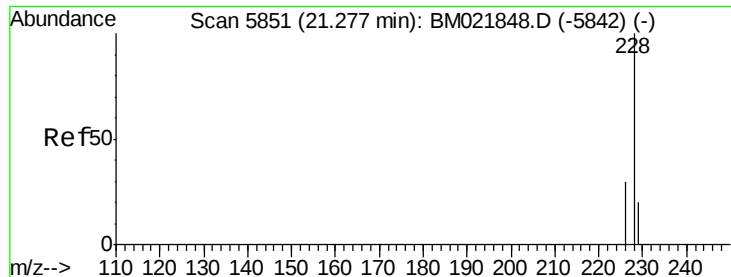
Tgt Ion:202 Resp: 98035
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.3 12.5
 100 8.1 7.2 10.8



#18
 Benzo(a)anthracene
 Concen: 2.328 ng/ul
 RT: 21.22 min Scan# 5829
 Delta R.T. -0.00 min
 Lab File: BM021853.D
 Acq: 05 Aug 2019 21:43

Tgt Ion:228 Resp: 43622
 Ion Ratio Lower Upper
 228 100
 229 21.0 17.2 25.8
 226 28.8 22.6 34.0





#19

Chrysene

Concen: 2.234 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.00 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

Instrument :

BNA_M

ClientSampleId :

A52F4DL

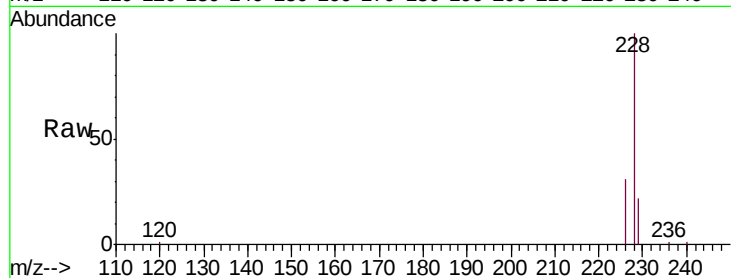
Tgt Ion:228 Resp: 53841

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

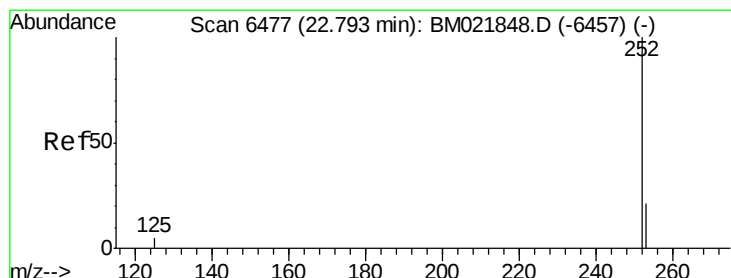
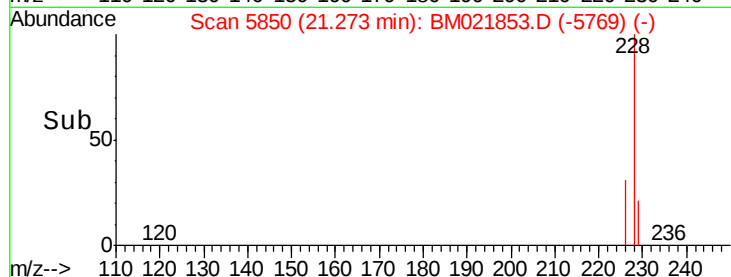
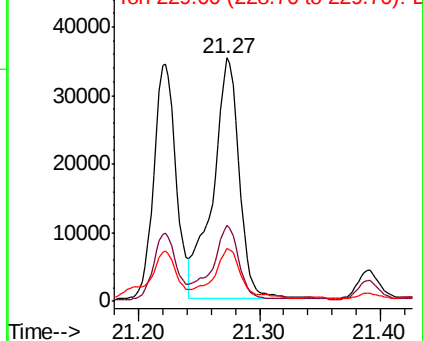
229 21.8 16.6 25.0



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: 3.392 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.00 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

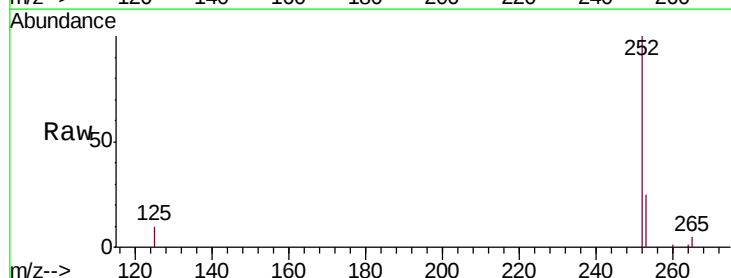
Tgt Ion:252 Resp: 89944

Ion Ratio Lower Upper

252 100

253 24.5 0.0 67.4

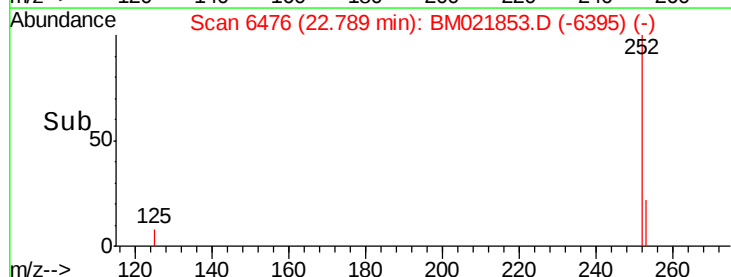
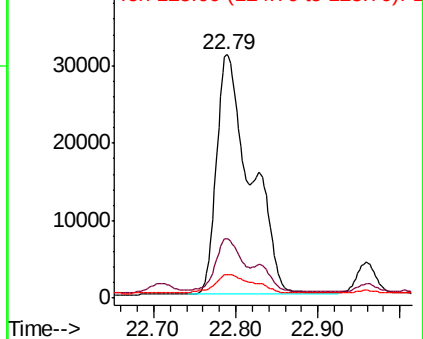
125 9.7 0.0 31.0

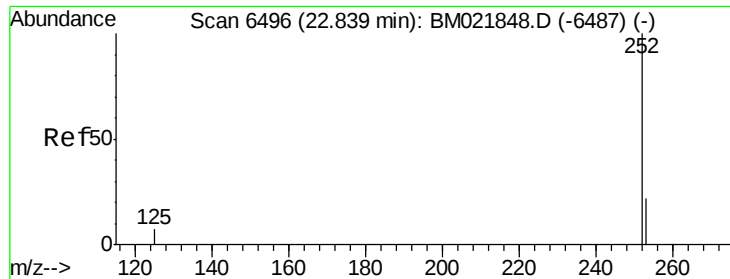


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.997 ng/ul

RT: 22.79 min Scan# 6476

Delta R.T. -0.05 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

Instrument :

BNA_M

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A52F4DL

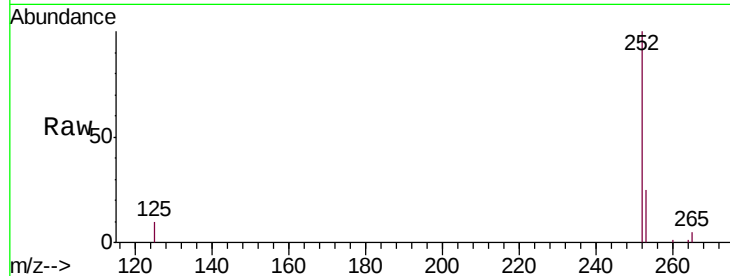
Tgt Ion:252 Resp: 89944

Ion Ratio Lower Upper

252 100

253 24.5 27.0 40.4#

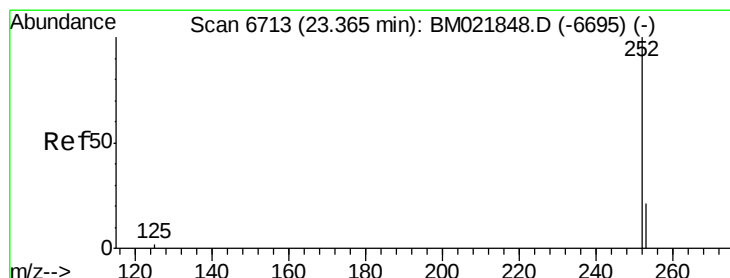
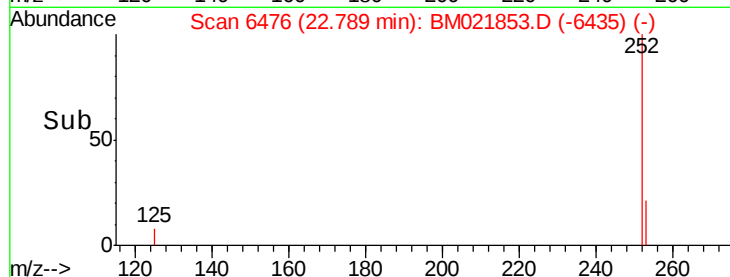
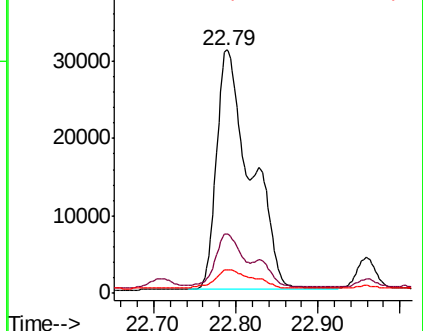
125 9.7 12.2 18.2#



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: 1.560 ng/ul

RT: 23.36 min Scan# 6710

Delta R.T. -0.01 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

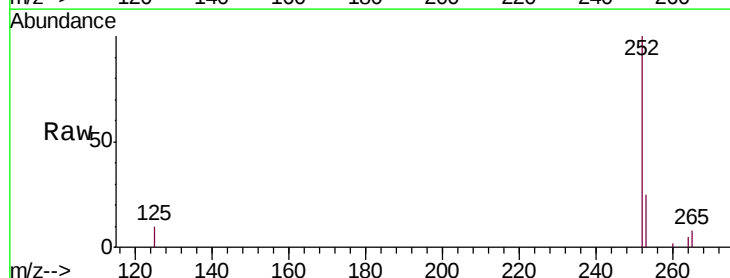
Tgt Ion:252 Resp: 42059

Ion Ratio Lower Upper

252 100

253 24.6 31.7 47.5#

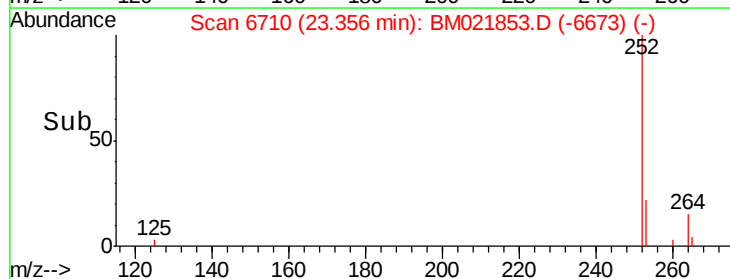
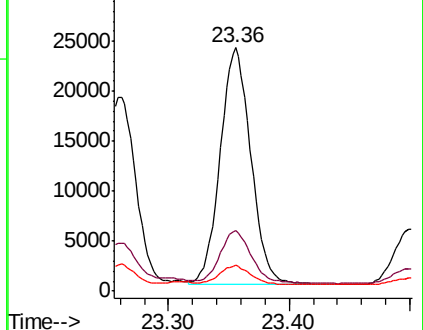
125 10.5 14.6 21.8#

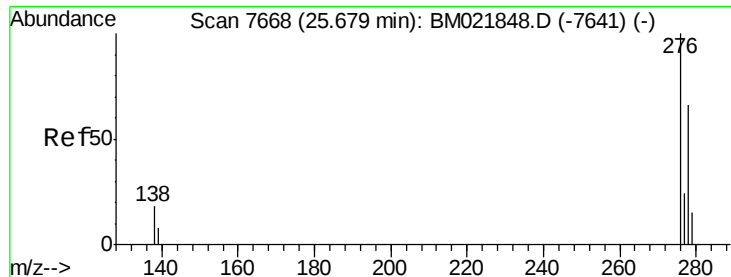


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



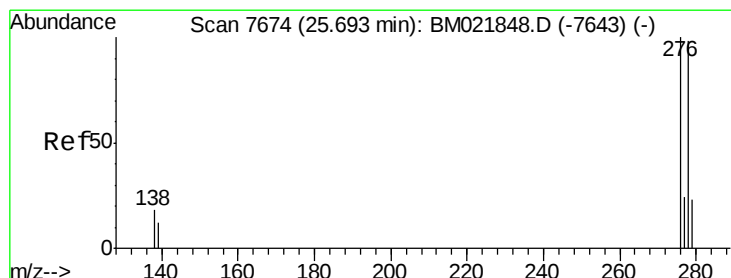
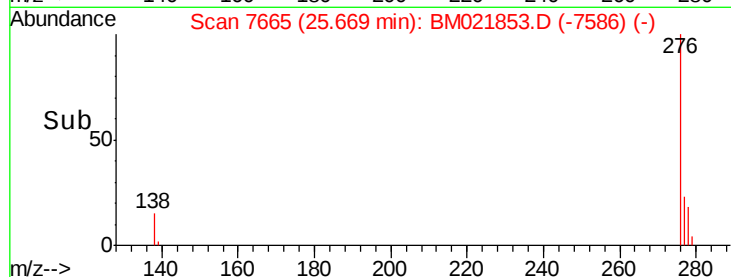
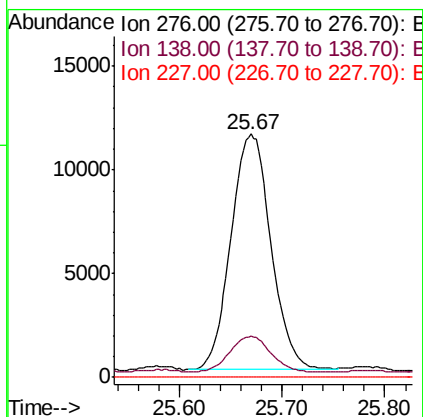
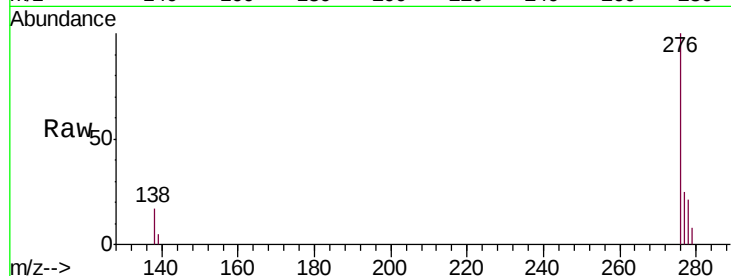


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.956 ng/u1
RT: 25.67 min Scan# 7665
Delta R.T. -0.01 min
Lab File: BM021853.D
Acq: 05 Aug 2019 21:43

Instrument :
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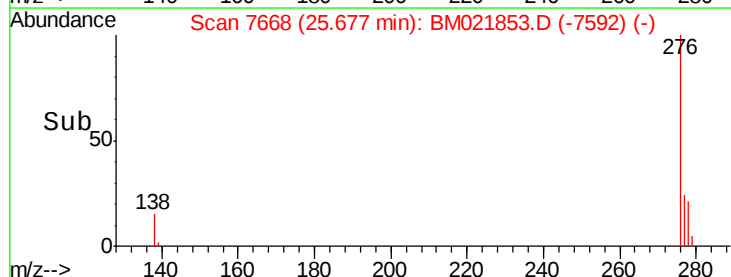
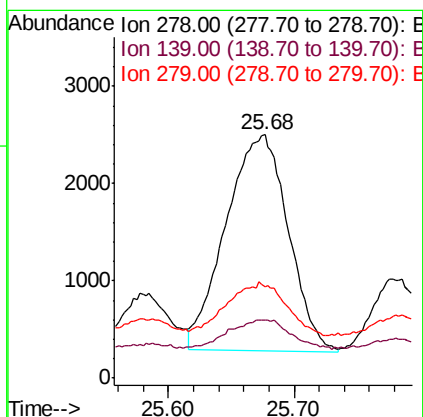
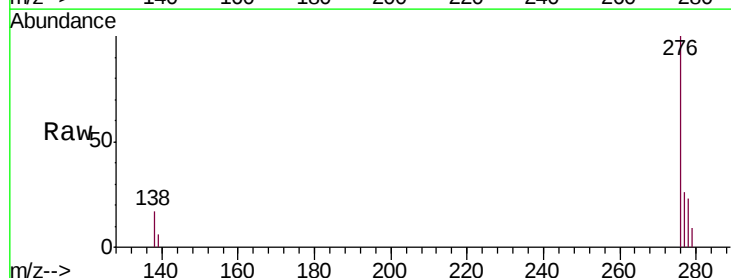
Tgt Ion:276 Resp: 30794
Ion Ratio Lower Upper
276 100
138 15.5 15.1 22.7
227 0.0 0.0 0.0

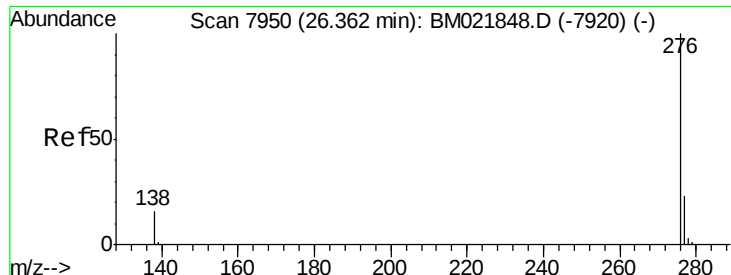


#25

Dibenzo(a,h)anthracene
Concen: 0.292 ng/u1
RT: 25.68 min Scan# 7668
Delta R.T. -0.02 min
Lab File: BM021853.D
Acq: 05 Aug 2019 21:43

Tgt Ion:278 Resp: 7611
Ion Ratio Lower Upper
278 100
139 24.1 14.2 21.2#
279 37.6 28.3 42.5





#26

Benzo(g,h,i)perylene

Concen: 1.080 ng/ul

RT: 26.36 min Scan# 7948

Delta R.T. -0.01 min

Lab File: BM021853.D

Acq: 05 Aug 2019 21:43

Instrument :

BNA_M

ClientSampleId :

A52F4DL

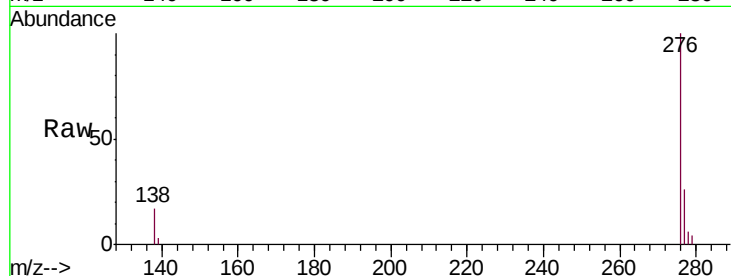
Tgt Ion: 276 Resp: 31314

Ion Ratio Lower Upper

276 100

138 17.2 15.5 23.3

277 25.8 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

