

Data File : BM021820.D
Acq On : 04 Aug 2019 19:39
Operator : HP/JU
Sample : K3850-14DL 5X
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS1DL

Quant Time: Aug 05 07:00:42 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 06:57:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	909	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3673	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	2075	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	4657	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4812	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	6944	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	149	0.02	ng/ul	0.01
14) Fluoranthene-d10	19.08	212	519	0.03	ng/ul	0.00

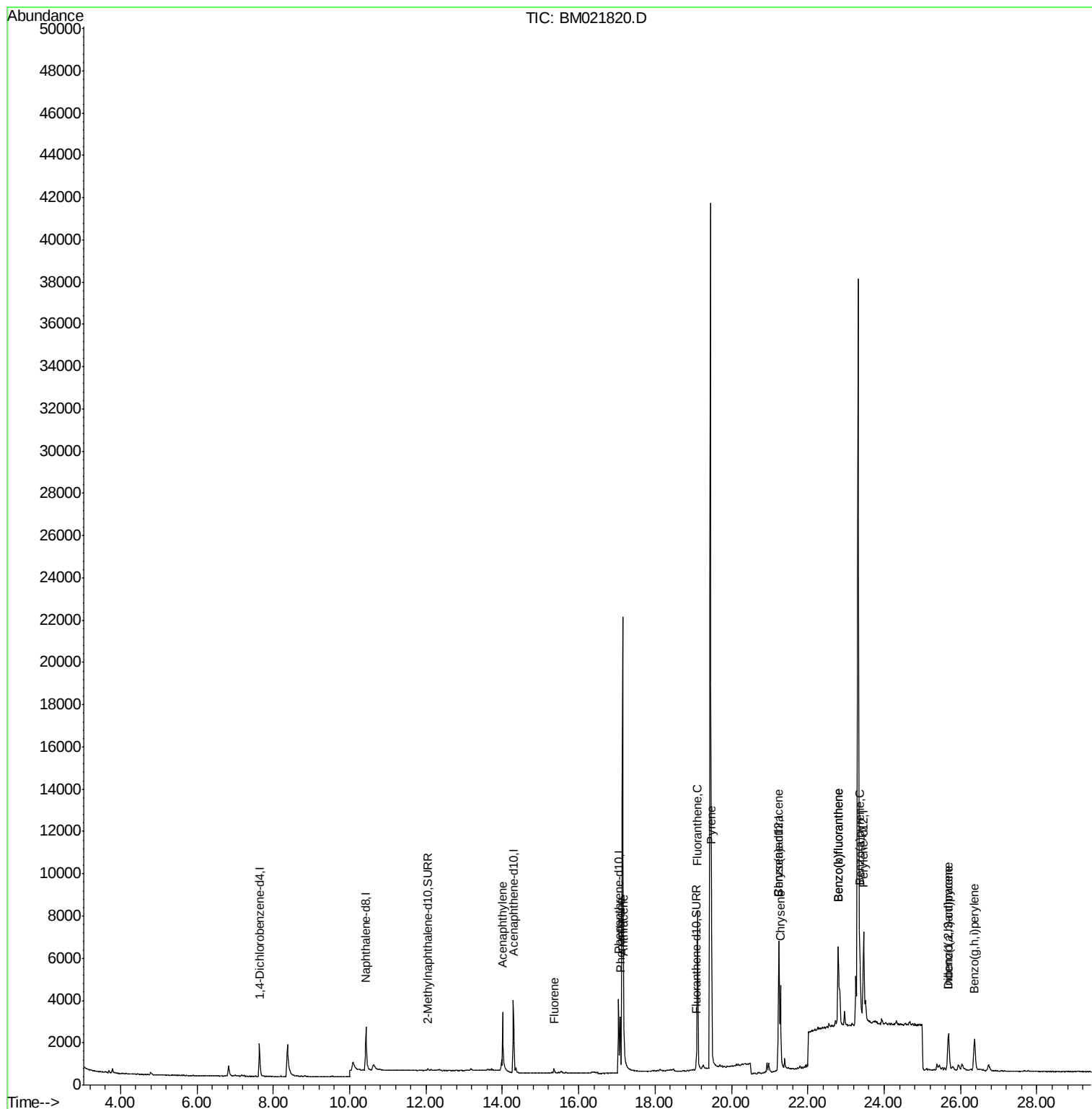
Target Compounds				Qvalue		
7) Acenaphthylene	14.01	152	459	0.047	ng/ul#	73
9) Fluorene	15.35	166	188	0.021	ng/ul#	89
12) Phenanthrene	17.09	178	3051	0.225	ng/ul	97
13) Anthracene	17.18	178	630	0.055	ng/ul#	71
15) Fluoranthene	19.11	202	7493	0.413	ng/ul	99
17) Pyrene	19.48	202	6608	0.334	ng/ul	98
18) Benzo(a)anthracene	21.23	228	3996	0.232	ng/ul	93
19) Chrysene	21.28	228	4009	0.181	ng/ul	95
21) Benzo(b)fluoranthene	22.79	252	8869	0.379	ng/ul	97
22) Benzo(k)fluoranthene	22.79	252	8869	0.335	ng/ul#	96
23) Benzo(a)pyrene	23.36	252	3980	0.167	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.68	276	3391	0.119	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.68	278	747	0.033	ng/ul#	14
26) Benzo(g,h,i)perylene	26.37	276	3461	0.135	ng/ul#	90

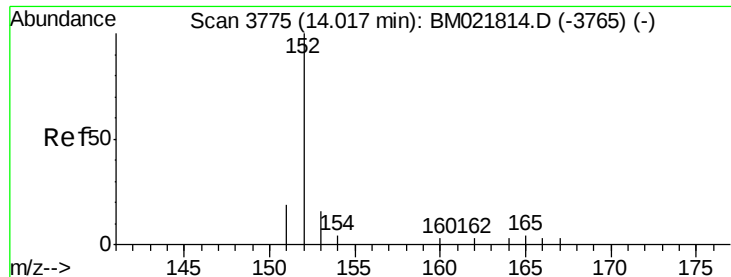
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.047 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

ClientSampleId :

BENS1DL

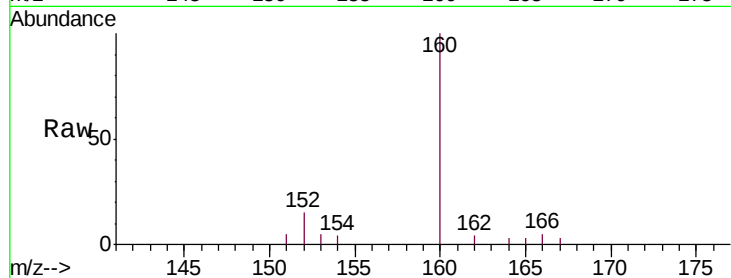
Tgt Ion:152 Resp: 459

Ion Ratio Lower Upper

152 100

151 33.5 18.3 27.5#

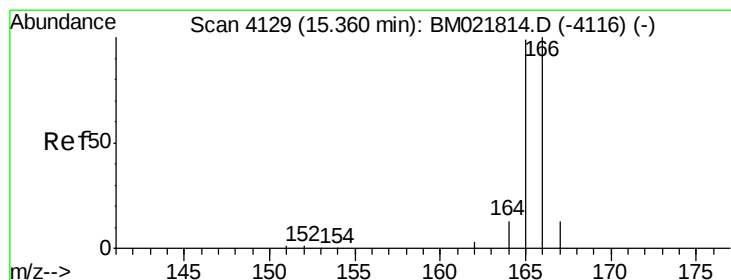
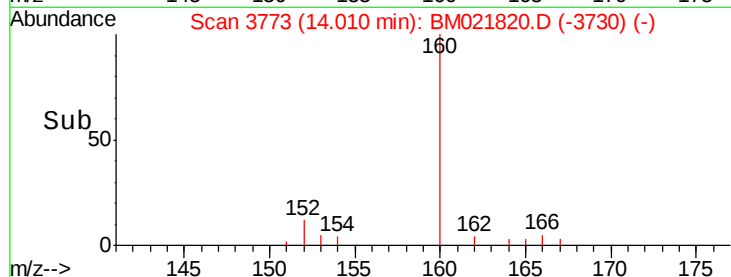
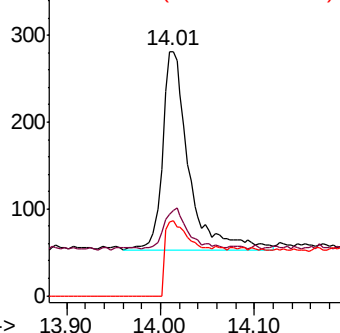
153 30.2 12.8 19.2#



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



#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.35 min Scan# 4127

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

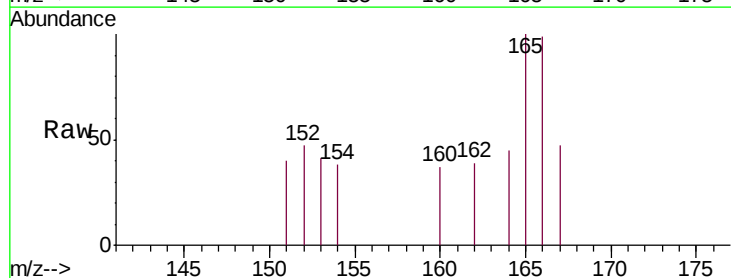
Tgt Ion:166 Resp: 188

Ion Ratio Lower Upper

166 100

165 100.7 81.4 122.0

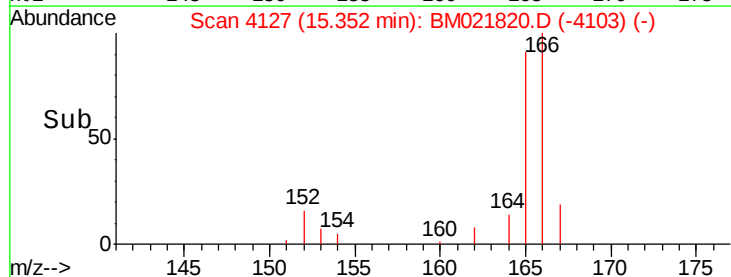
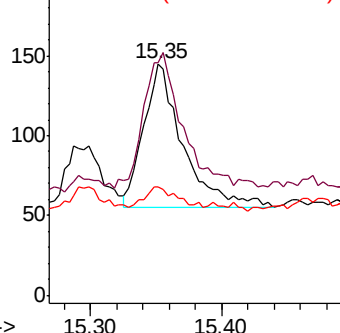
167 46.9 13.7 20.5#

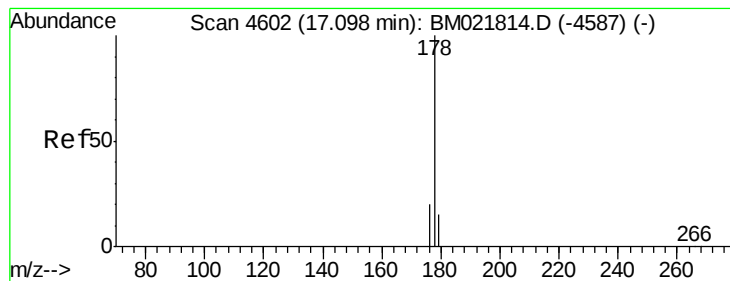


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.225 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

ClientSampleId :

BENS1DL

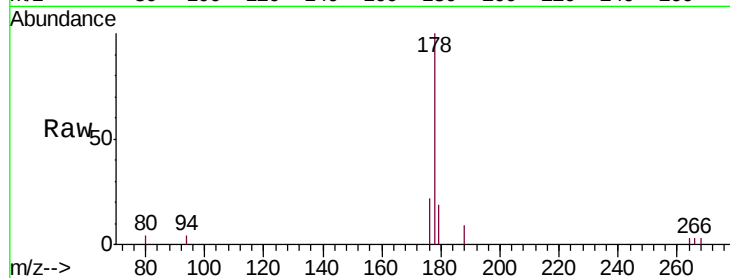
Tgt Ion:178 Resp: 3051

Ion Ratio Lower Upper

178 100

179 19.0 14.2 21.2

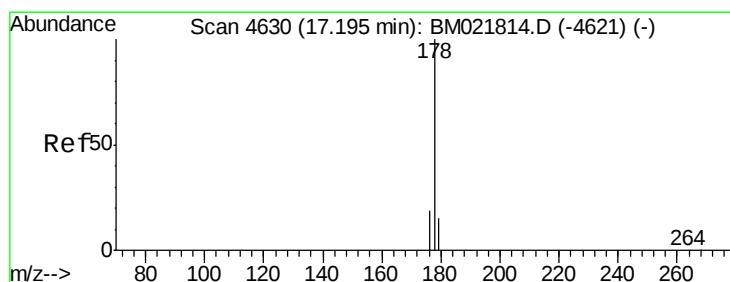
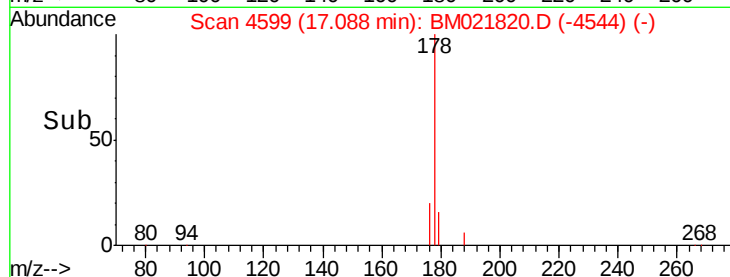
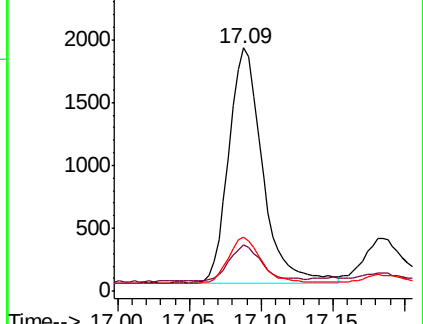
176 22.2 16.8 25.2



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: 0.055 ng/ul

RT: 17.18 min Scan# 4626

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

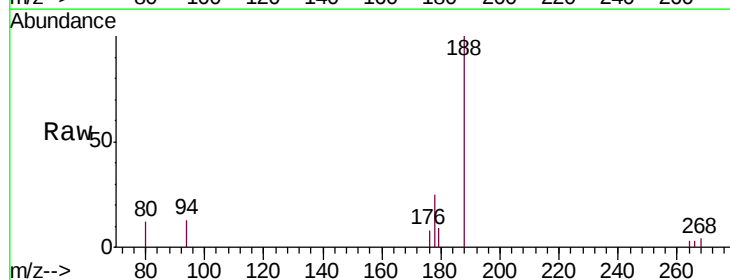
Tgt Ion:178 Resp: 630

Ion Ratio Lower Upper

178 100

179 34.4 15.5 23.3#

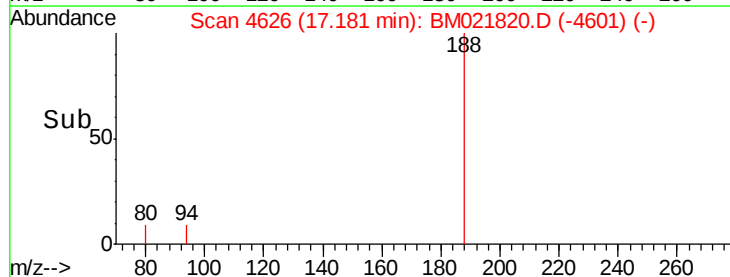
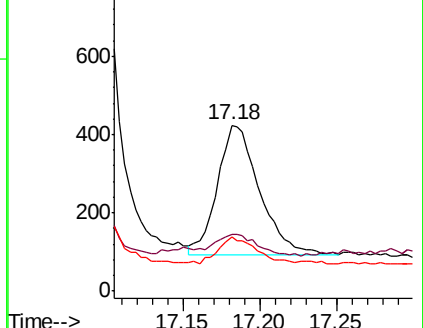
176 32.5 16.6 25.0#

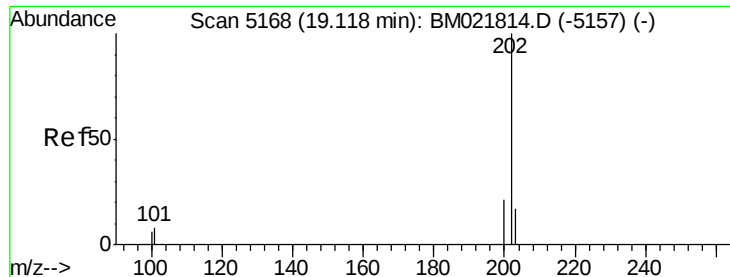


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

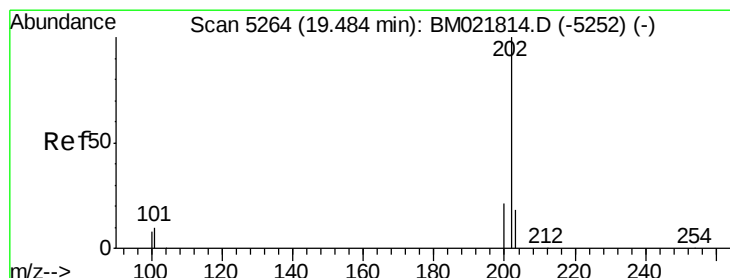
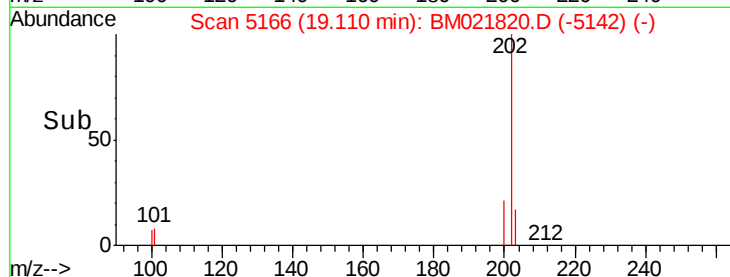
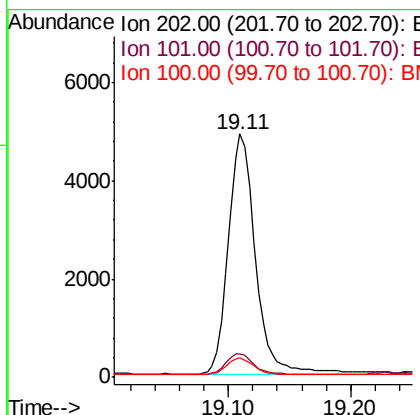
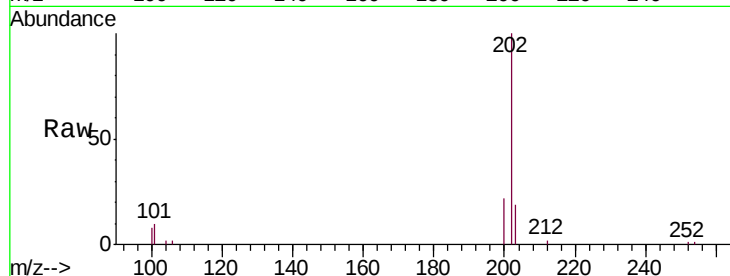




#15
Fluoranthene
Concen: 0.413 ng/ul
RT: 19.11 min Scan# 5166
Delta R.T. -0.01 min
Lab File: BM021820.D
Acq: 04 Aug 2019 19:39

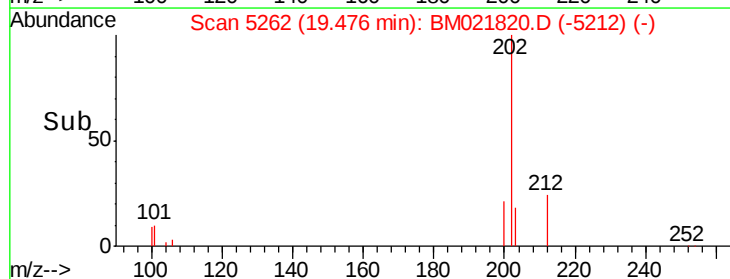
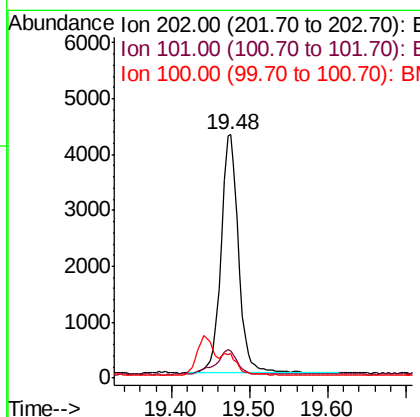
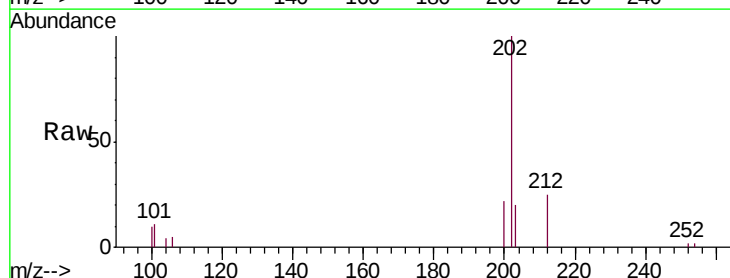
Instrument :
BNA_M
ClientSampleId :
BENS1DL

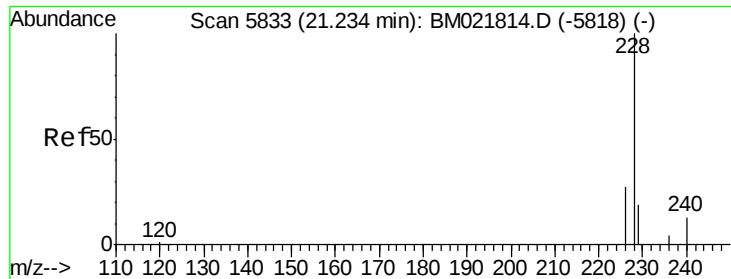
Tgt Ion:202 Resp: 7493
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
100 8.2 0.0 28.1



#17
Pyrene
Concen: 0.334 ng/ul
RT: 19.48 min Scan# 5262
Delta R.T. -0.01 min
Lab File: BM021820.D
Acq: 04 Aug 2019 19:39

Tgt Ion:202 Resp: 6608
Ion Ratio Lower Upper
202 100
101 11.1 8.3 12.5
100 10.1 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.232 ng/ul

RT: 21.23 min Scan# 5832

Delta R.T. -0.00 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

ClientSampleId :

BENS1DL

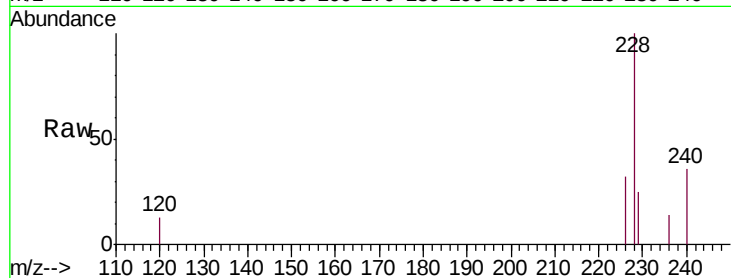
Tgt Ion:228 Resp: 3996

Ion Ratio Lower Upper

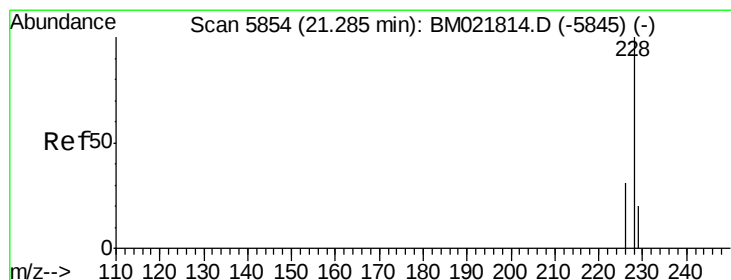
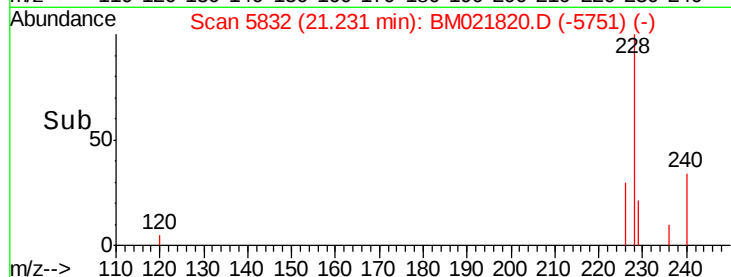
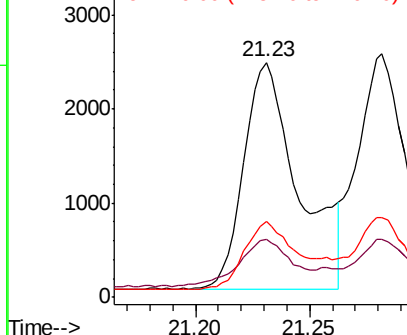
228 100

229 24.7 17.2 25.8

226 32.2 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: 0.181 ng/ul

RT: 21.28 min Scan# 5853

Delta R.T. -0.00 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

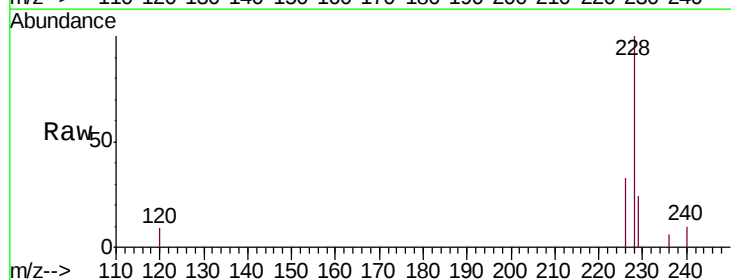
Tgt Ion:228 Resp: 4009

Ion Ratio Lower Upper

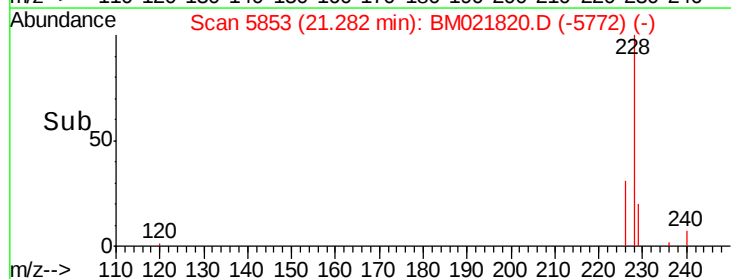
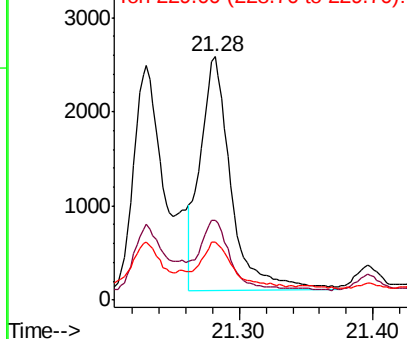
228 100

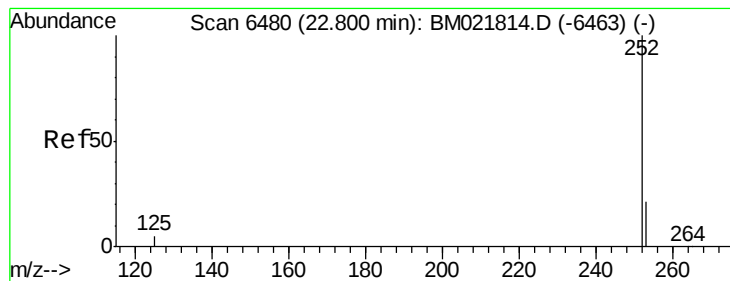
226 32.9 24.9 37.3

229 24.0 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: 0.379 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

ClientSampleId :

BENS1DL

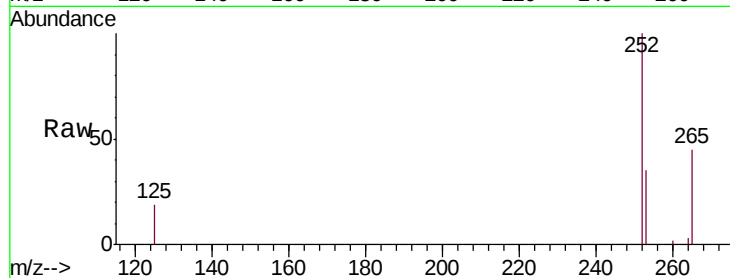
Tgt Ion:252 Resp: 8869

Ion Ratio Lower Upper

252 100

253 34.6 0.0 67.4

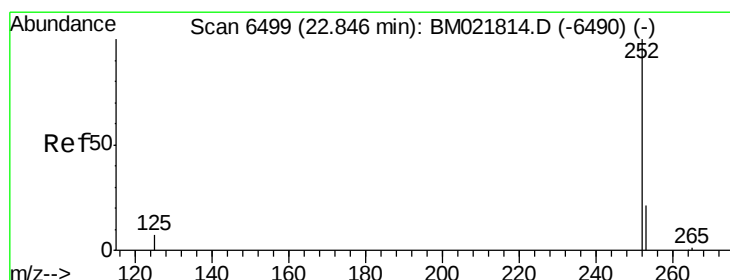
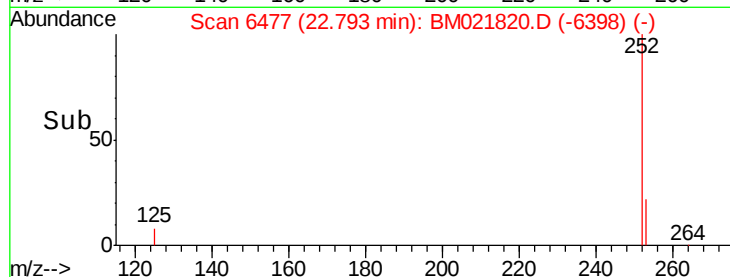
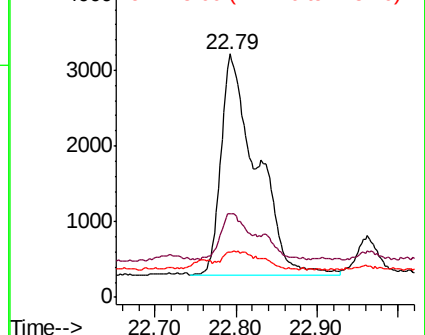
125 18.8 0.0 31.0



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: 0.335 ng/ul

RT: 22.79 min Scan# 6477

Delta R.T. -0.05 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

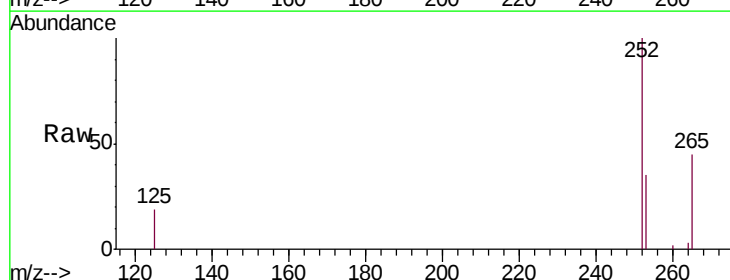
Tgt Ion:252 Resp: 8869

Ion Ratio Lower Upper

252 100

253 34.6 27.0 40.4

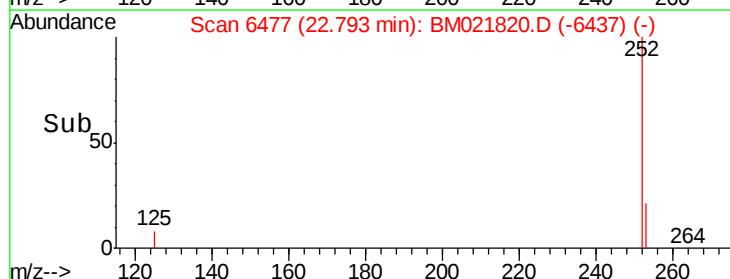
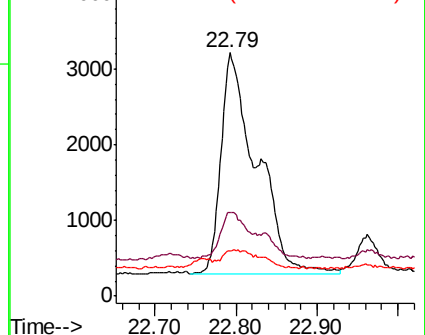
125 18.8 12.2 18.2#

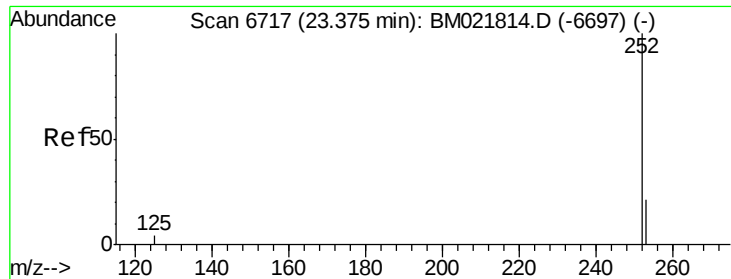


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.167 ng/ul

RT: 23.36 min Scan# 6711

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

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ClientSampleId :

BENS1DL

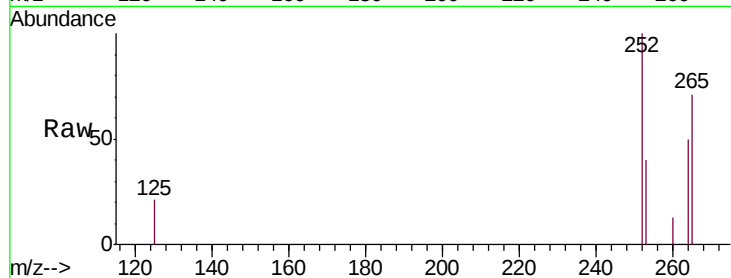
Tgt Ion:252 Resp: 3980

Ion Ratio Lower Upper

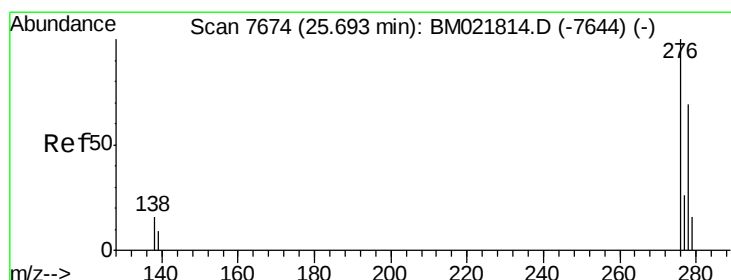
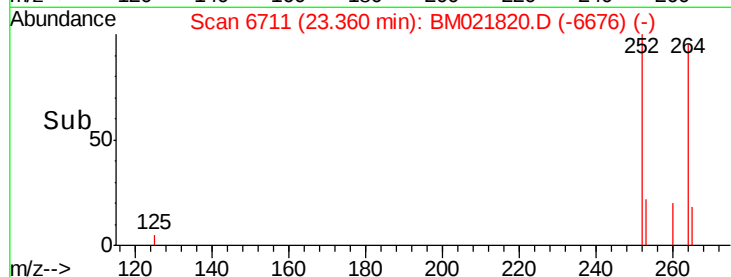
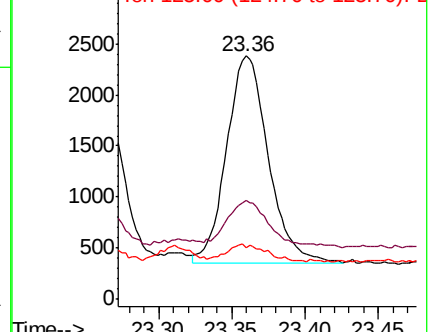
252 100

253 40.4 31.7 47.5

125 21.3 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: 0.119 ng/ul

RT: 25.68 min Scan# 7670

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

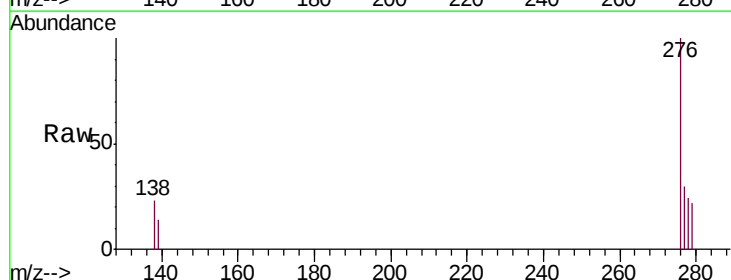
Tgt Ion:276 Resp: 3391

Ion Ratio Lower Upper

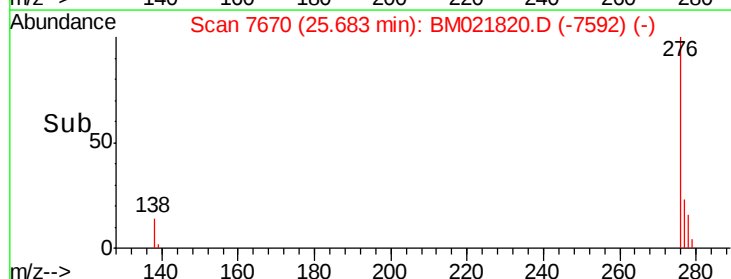
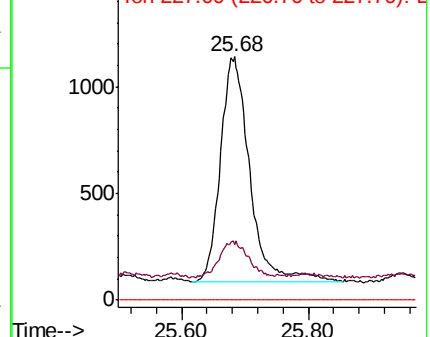
276 100

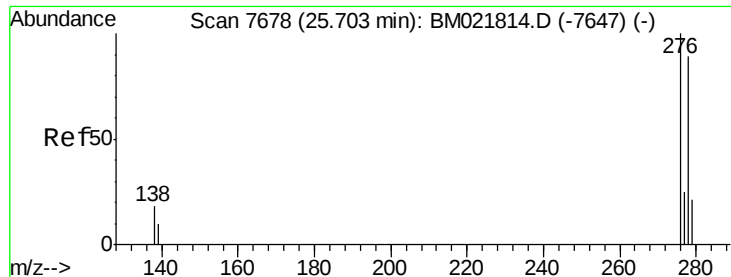
138 15.8 15.1 22.7

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: 0.033 ng/u1

RT: 25.68 min Scan# 7669

Delta R.T. -0.02 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

Instrument :

BNA_M

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BENS1DL

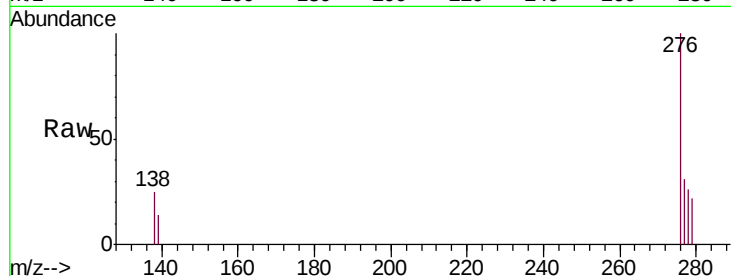
Tgt Ion:278 Resp: 747

Ion Ratio Lower Upper

278 100

139 54.5 14.2 21.2#

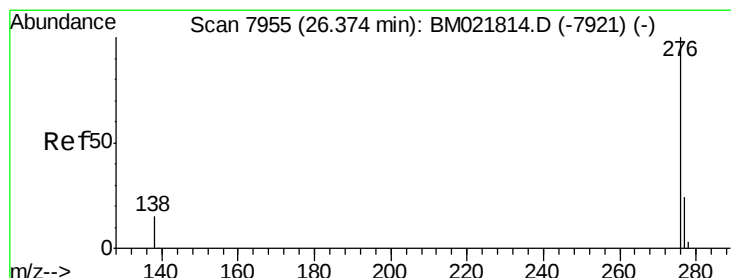
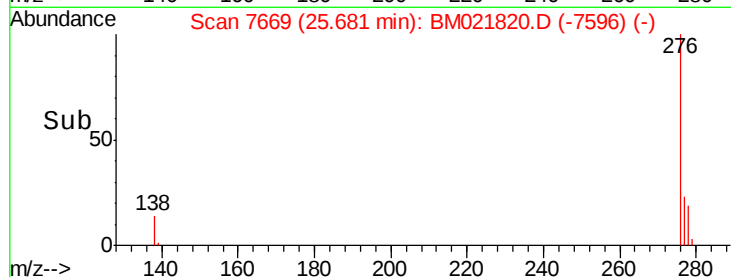
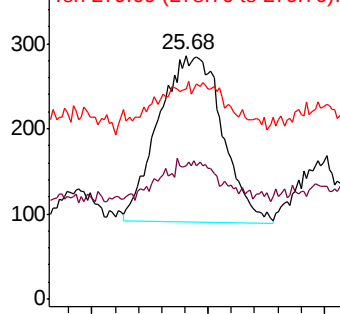
279 86.4 28.3 42.5#



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: 0.135 ng/u1

RT: 26.37 min Scan# 7952

Delta R.T. -0.01 min

Lab File: BM021820.D

Acq: 04 Aug 2019 19:39

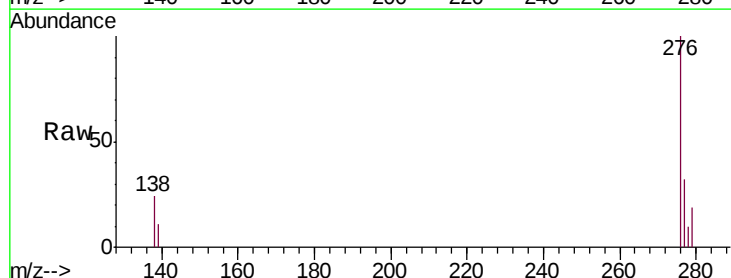
Tgt Ion:276 Resp: 3461

Ion Ratio Lower Upper

276 100

138 24.2 15.5 23.3#

277 31.7 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

