

Data File : BM021871.D
Acq On : 06 Aug 2019 22:57
Operator : HP/JU
Sample : K3922-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F1

Quant Time: Aug 07 04:05:57 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	981	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3988	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2178	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	236308	0.40	ng/ul	0.08
16) Chrysene-d12	21.38	240	72	0.40	ng/ul	0.13
20) Perylene-d12	23.70	264	1049	0.40	ng/ul	0.24

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1216	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.16	212	59	0.00	ng/ul	0.08

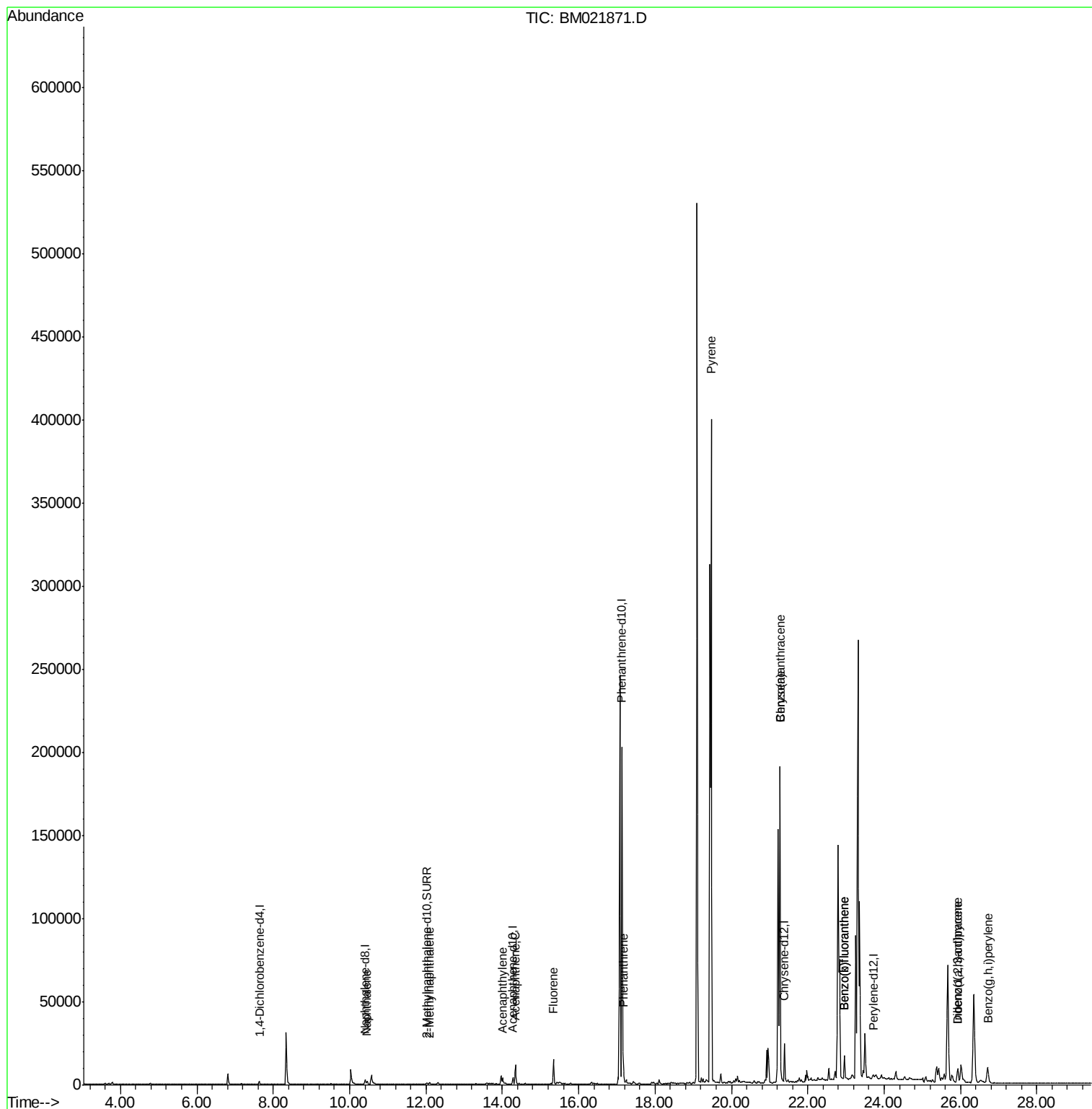
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	2344	0.208	ng/ul	98
5) 2-Methylnaphthalene	12.09	142	631	0.084	ng/ul	97
7) Acenaphthylene	14.00	152	2476	0.244	ng/ul#	84
8) Acenaphthene	14.34	153	6712	0.808	ng/ul	97
9) Fluorene	15.34	166	9369	1.015	ng/ul	98
12) Phenanthrene	17.17	178	17933	0.026	ng/ul	98
17) Pyrene	19.47	202	347340	1173.963	ng/ul	98
18) Benzo(a)anthracene	21.27	228	176528	685.441	ng/ul	97
19) Chrysene	21.27	228	176063	531.567	ng/ul	99
21) Benzo(b)fluoranthene	22.96	252	19007	5.373	ng/ul	96
22) Benzo(k)fluoranthene	22.96	252	18808	4.698	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.93	276	3366	0.784	ng/ul#	48
25) Dibenzo(a,h)anthracene	25.93	278	12938	3.727	ng/ul	94
26) Benzo(g,h,i)perylene	26.71	276	19673	5.087	ng/ul	95

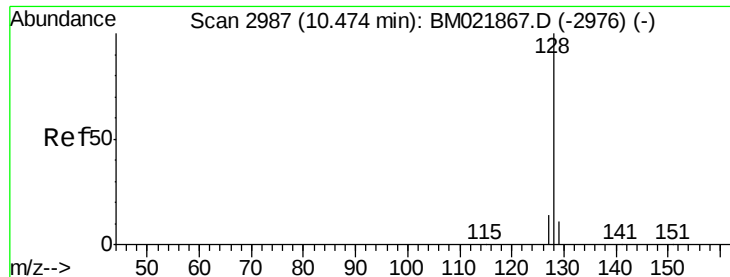
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.208 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

Instrument :

BNA_M

ClientSampleId :

A52F1

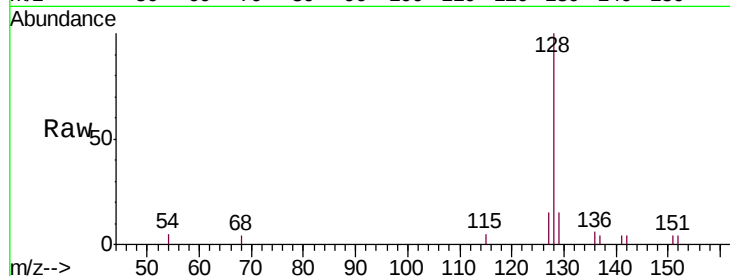
Tgt Ion:128 Resp: 2344

Ion Ratio Lower Upper

128 100

129 14.8 12.3 18.5

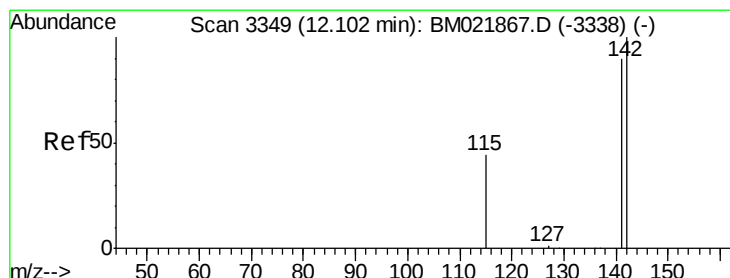
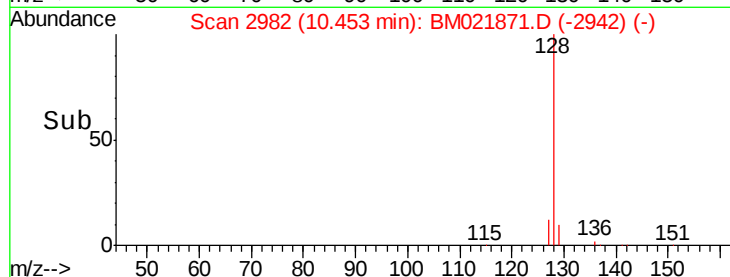
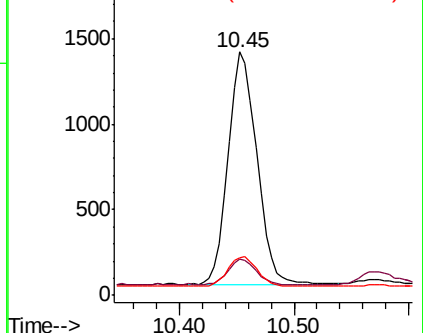
127 15.3 13.0 19.6



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: 0.084 ng/ul

RT: 12.09 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BM021871.D

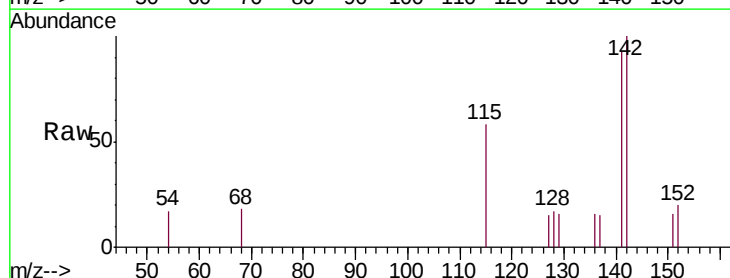
Acq: 06 Aug 2019 22:57

Tgt Ion:142 Resp: 631

Ion Ratio Lower Upper

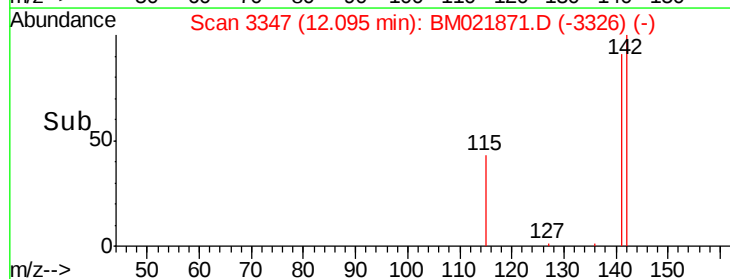
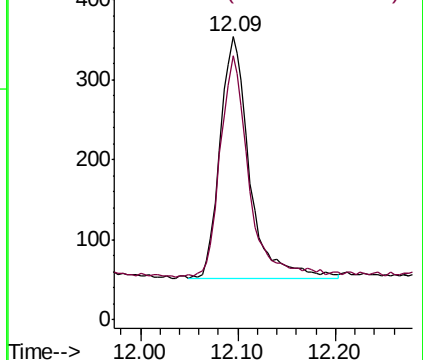
142 100

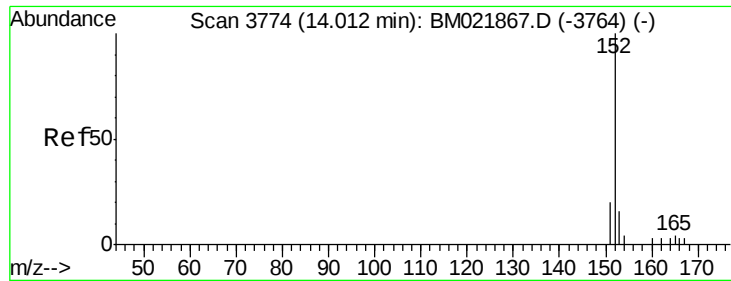
141 89.9 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.244 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

Instrument :

BNA_M

ClientSampleId :

A52F1

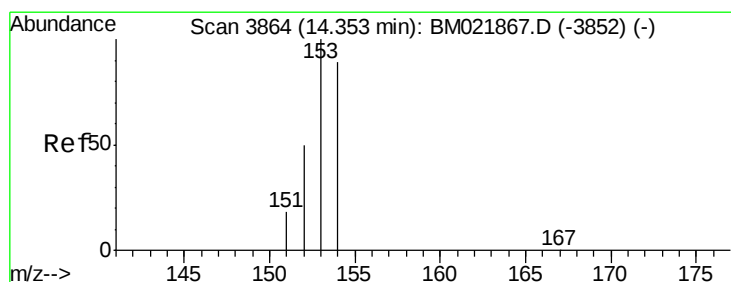
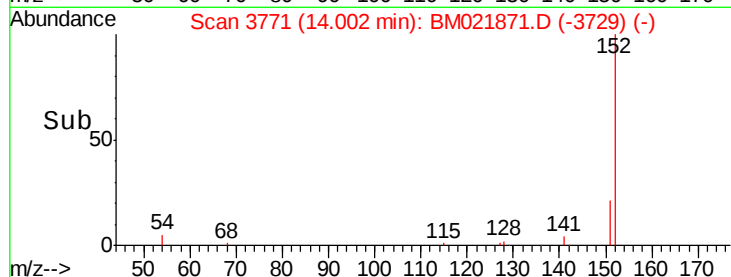
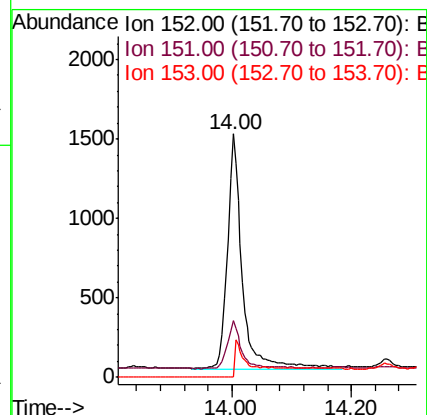
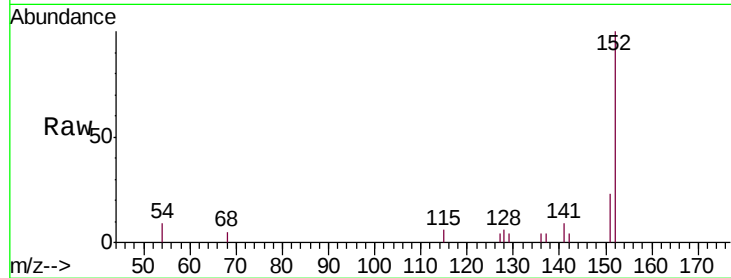
Tgt Ion:152 Resp: 2476

Ion Ratio Lower Upper

152 100

151 23.4 18.3 27.5

153 0.0 12.8 19.2#



#8

Acenaphthene

Concen: 0.808 ng/ul

RT: 14.34 min Scan# 3861

Delta R.T. -0.01 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

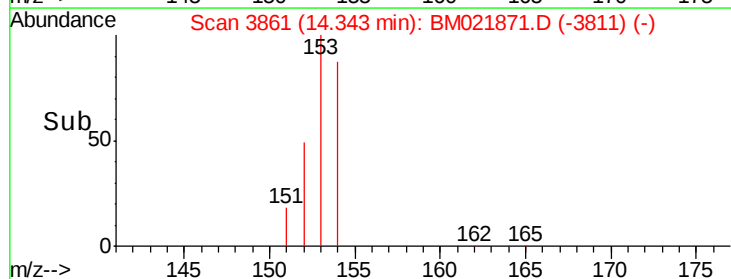
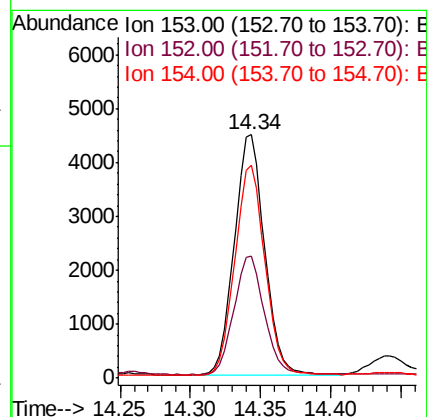
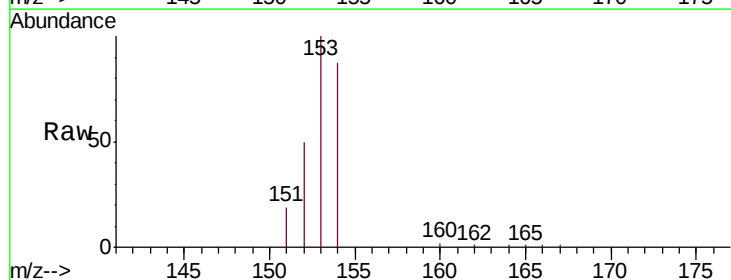
Tgt Ion:153 Resp: 6712

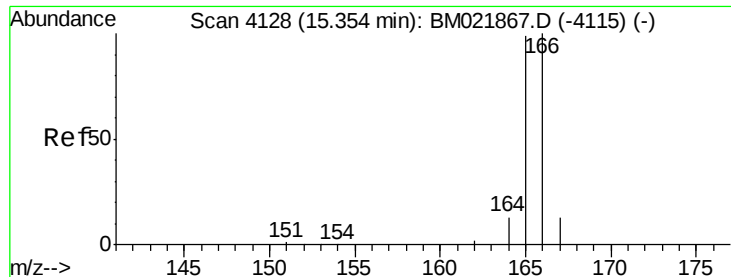
Ion Ratio Lower Upper

153 100

152 50.3 41.3 61.9

154 87.4 72.3 108.5





#9

Fluorene

Concen: 1.015 ng/ul

RT: 15.34 min Scan# 4123

Delta R.T. -0.02 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

Instrument :

BNA_M

ClientSampleId :

A52F1

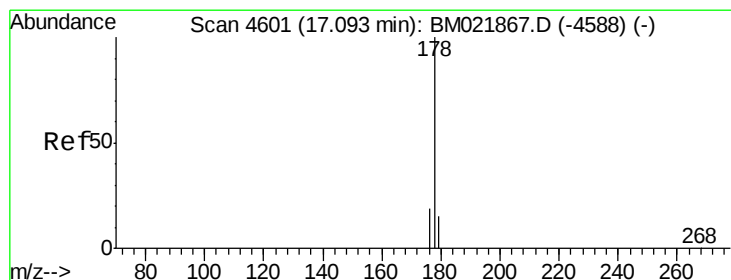
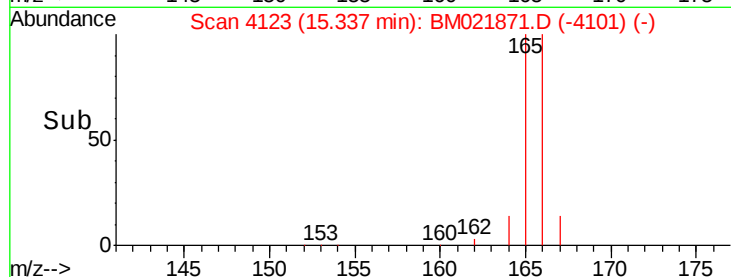
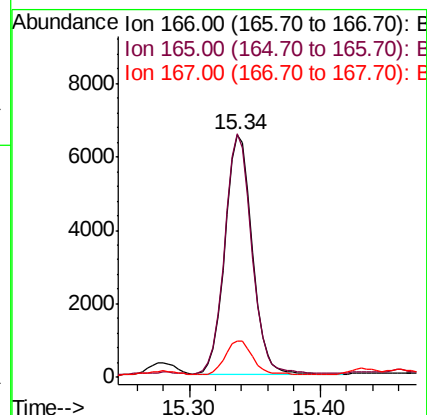
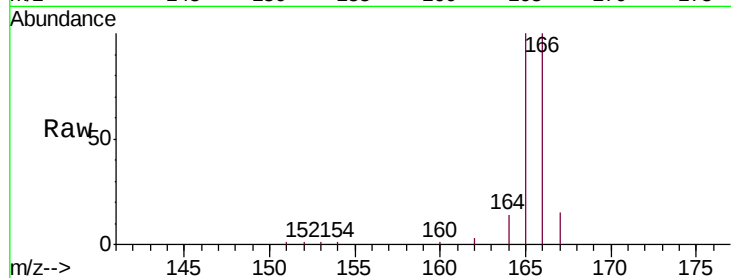
Tgt Ion:166 Resp: 9369

Ion Ratio Lower Upper

166 100

165 100.2 81.4 122.0

167 15.1 13.7 20.5



#12

Phenanthrene

Concen: 0.026 ng/ul

RT: 17.17 min Scan# 4622

Delta R.T. 0.07 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

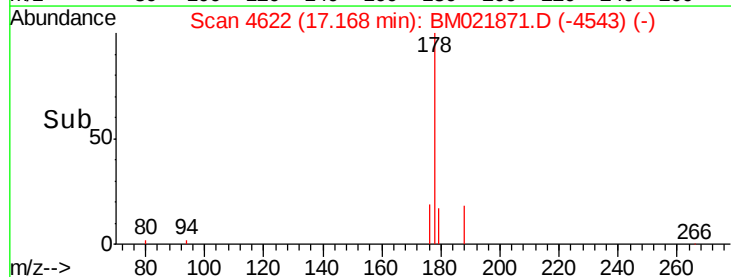
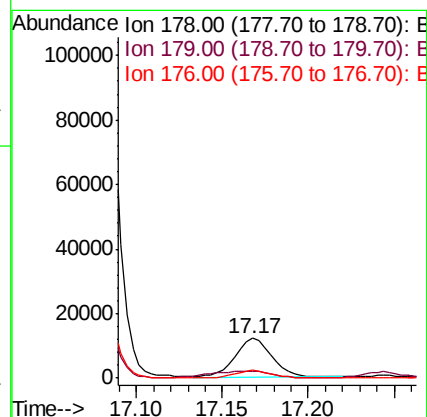
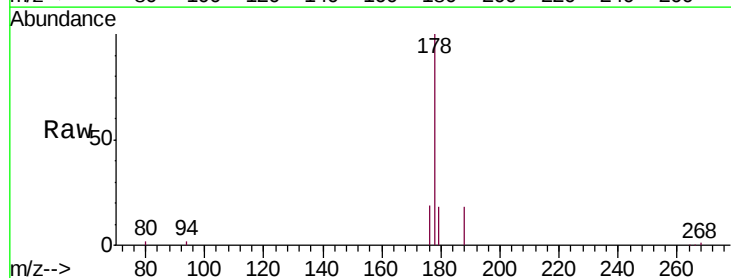
Tgt Ion:178 Resp: 17933

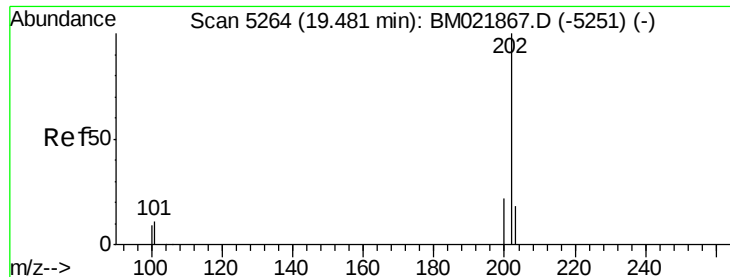
Ion Ratio Lower Upper

178 100

179 18.1 14.2 21.2

176 19.4 16.8 25.2

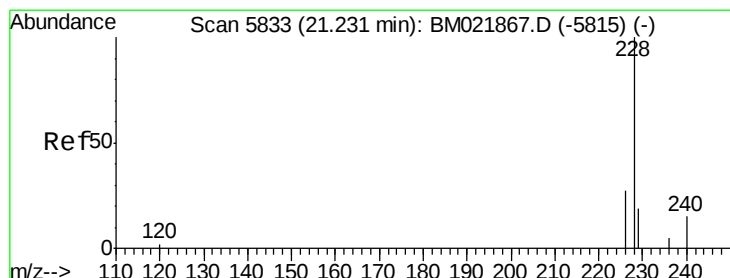
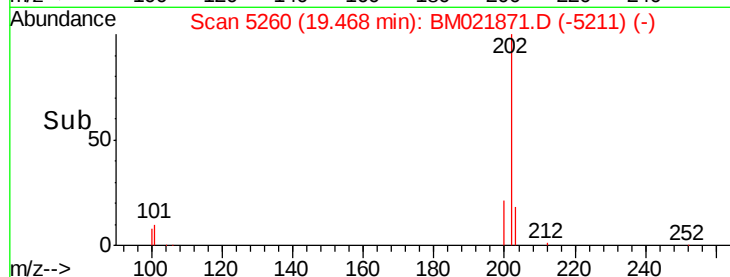
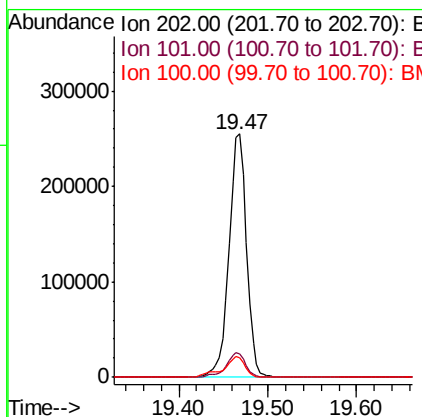
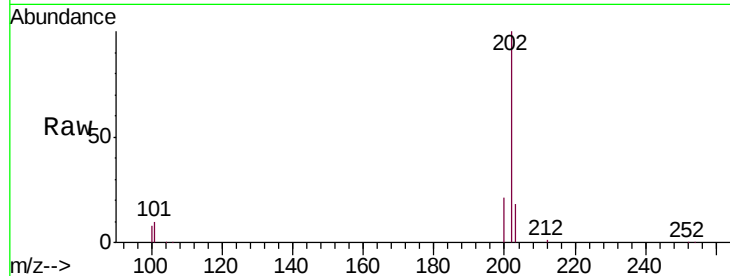




#17
 Pyrene
 Concen: 1173.963 ng/ul
 RT: 19.47 min Scan# 5260
 Delta R.T. -0.01 min
 Lab File: BM021871.D
 Acq: 06 Aug 2019 22:57

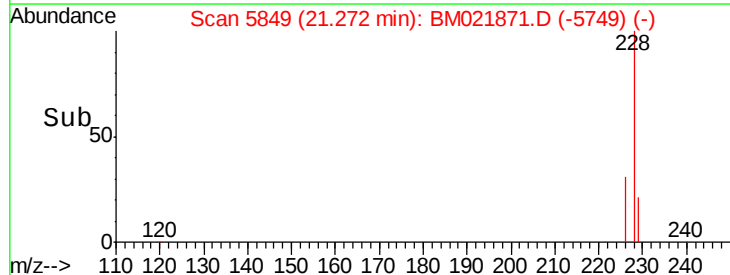
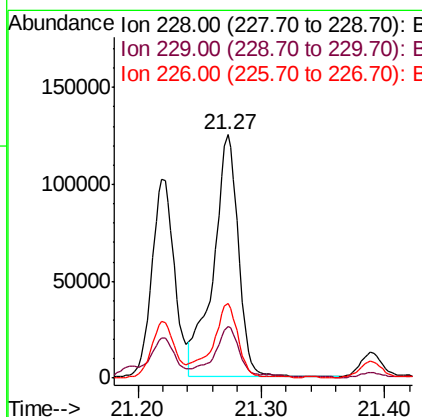
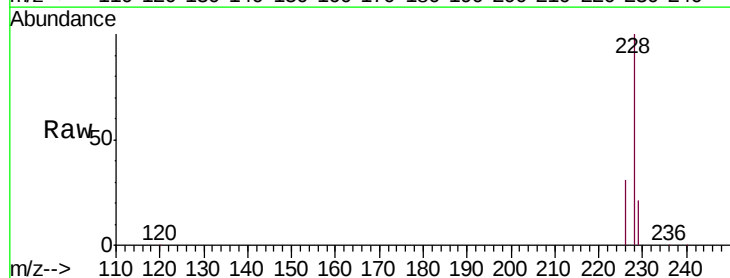
Instrument :
 BNA_M
 ClientSampleId :
 A52F1

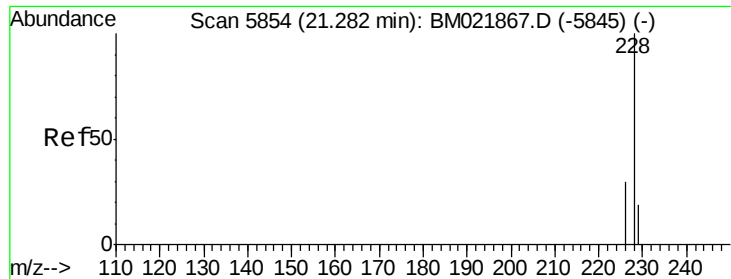
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.3	12.5
100	8.0	7.2	10.8



#18
 Benzo(a)anthracene
 Concen: 685.441 ng/ul
 RT: 21.27 min Scan# 5849
 Delta R.T. 0.04 min
 Lab File: BM021871.D
 Acq: 06 Aug 2019 22:57

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	17.2	25.8
226	30.7	22.6	34.0





#19

Chrysene

Concen: 531.567 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

Instrument :

BNA_M

ClientSampleId :

A52F1

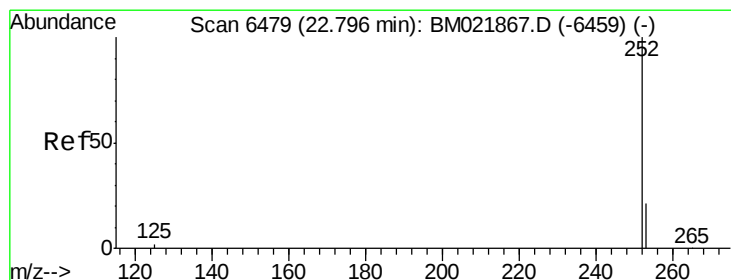
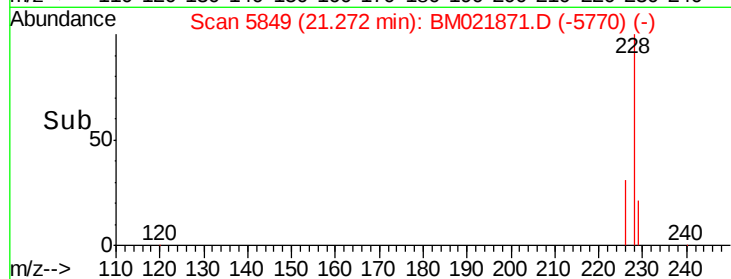
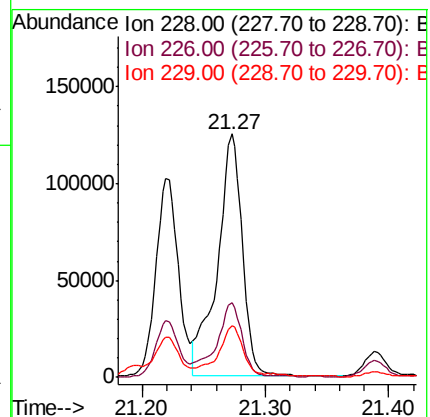
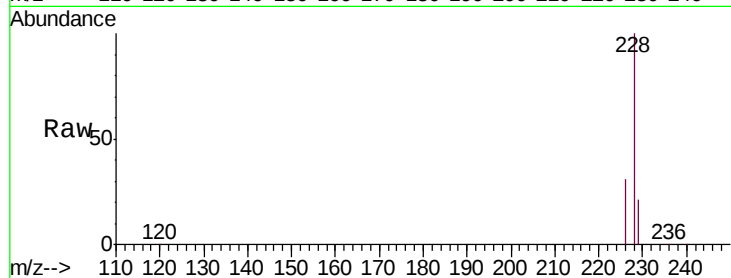
Tgt Ion:228 Resp: 176063

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

229 21.2 16.6 25.0



#21

Benzo(b)fluoranthene

Concen: 5.373 ng/ul

RT: 22.96 min Scan# 6545

Delta R.T. 0.16 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

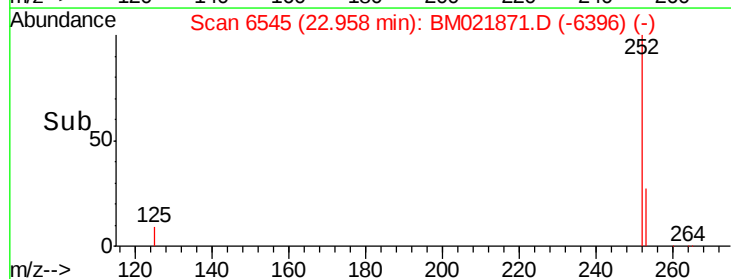
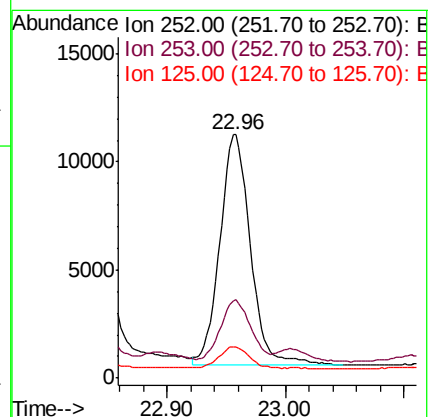
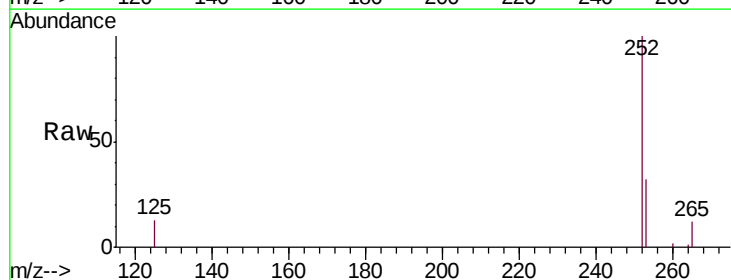
Tgt Ion:252 Resp: 19007

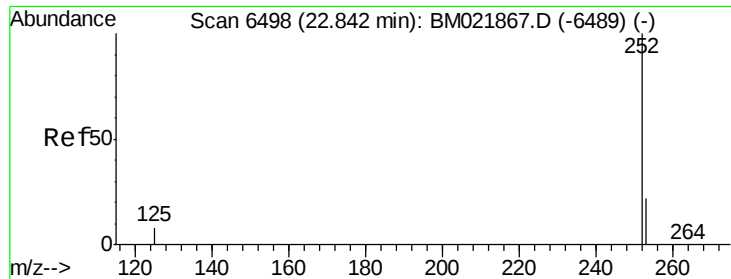
Ion Ratio Lower Upper

252 100

253 32.0 0.0 67.4

125 12.6 0.0 31.0





#22

Benzo(k)fluoranthene

Concen: 4.698 ng/u1

RT: 22.96 min Scan# 6545

Delta R.T. 0.12 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

Instrument :

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A52F1

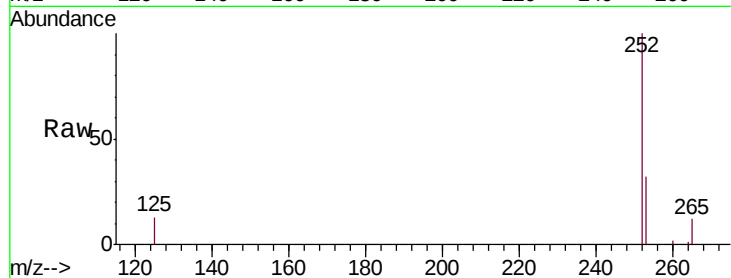
Tgt Ion:252 Resp: 18808

Ion Ratio Lower Upper

252 100

253 32.0 27.0 40.4

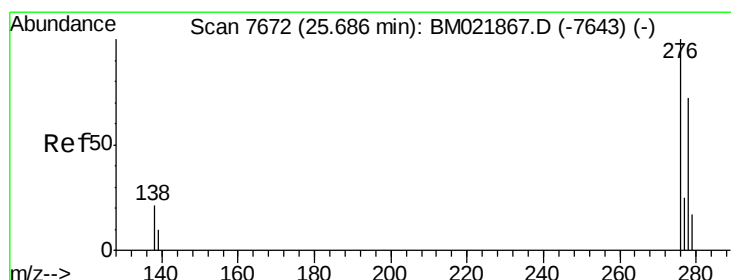
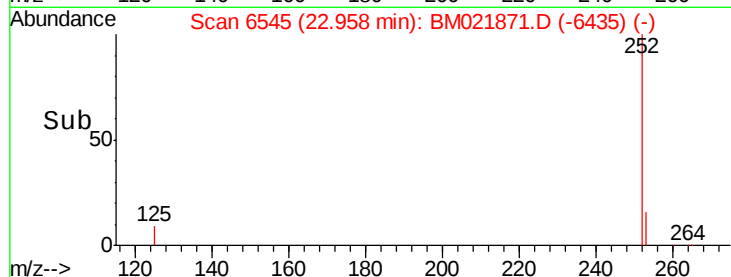
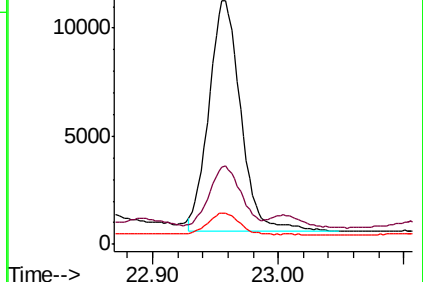
125 12.6 12.2 18.2



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.784 ng/u1

RT: 25.93 min Scan# 7770

Delta R.T. 0.24 min

Lab File: BM021871.D

Acq: 06 Aug 2019 22:57

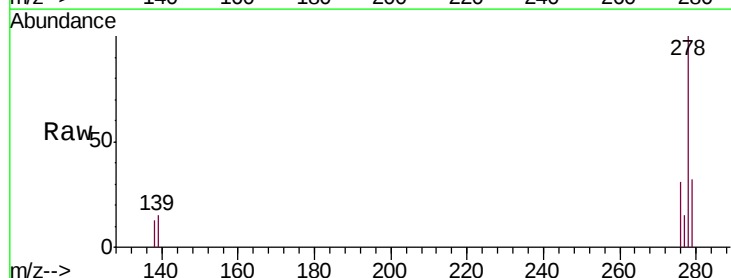
Tgt Ion:276 Resp: 3366

Ion Ratio Lower Upper

276 100

138 42.3 15.1 22.7#

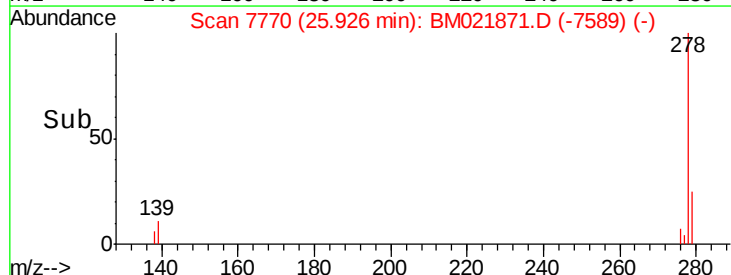
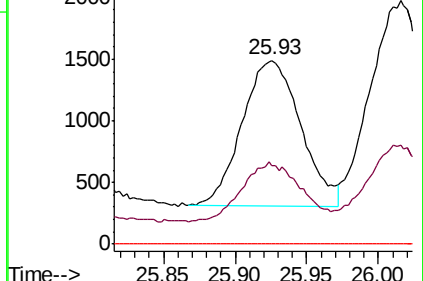
227 0.0 0.0 0.0

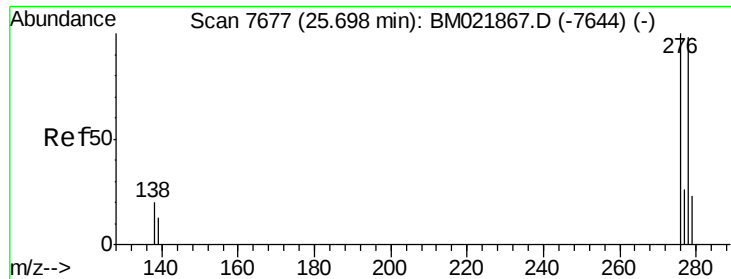


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

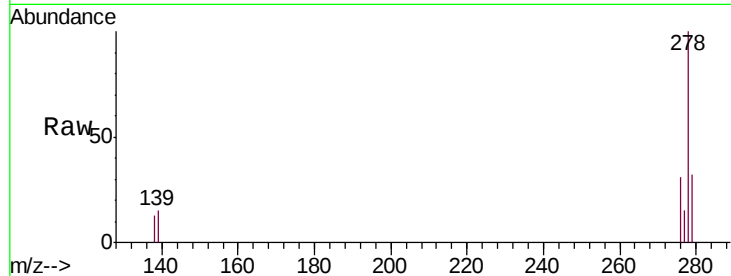




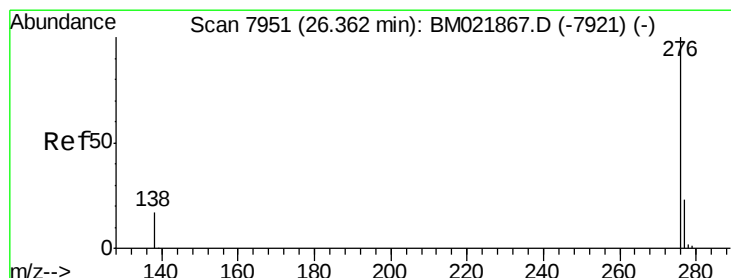
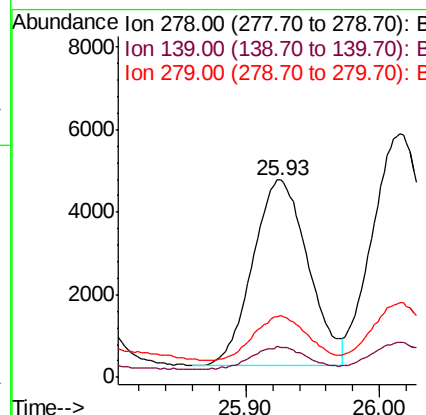
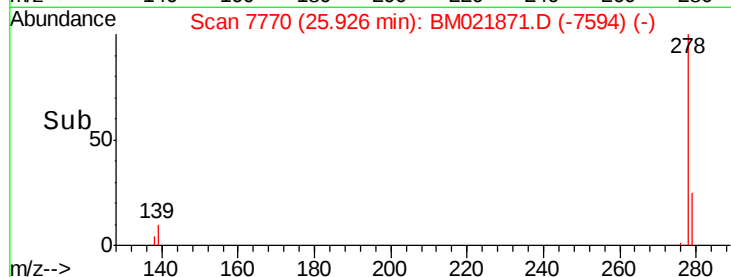
#25
Dibenzo(a,h)anthracene
Concen: 3.727 ng/u1
RT: 25.93 min Scan# 7770
Delta R.T. 0.23 min
Lab File: BM021871.D
Acq: 06 Aug 2019 22:57

Instrument :
BNA_M
ClientSampleId :
A52F1

Tgt Ion:278 Resp: 12938
Ion Ratio Lower Upper
278 100
139 15.4 14.2 21.2
279 31.5 28.3 42.5

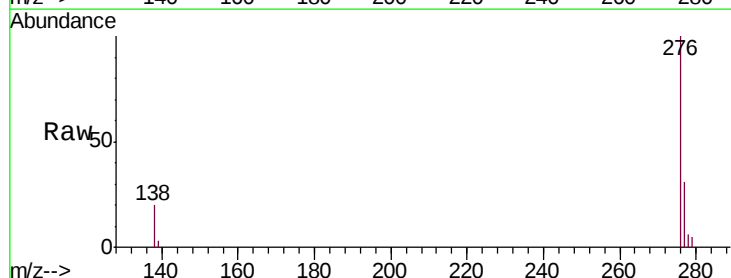


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 5.087 ng/u1
RT: 26.71 min Scan# 8093
Delta R.T. 0.35 min
Lab File: BM021871.D
Acq: 06 Aug 2019 22:57

Tgt Ion:276 Resp: 19673
Ion Ratio Lower Upper
276 100
138 19.9 15.5 23.3
277 31.3 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

