

Data File : BM021870.D
Acq On : 06 Aug 2019 22:20
Operator : HP/JU
Sample : K3922-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A52F0MSD

Quant Time: Aug 07 04:05:48 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

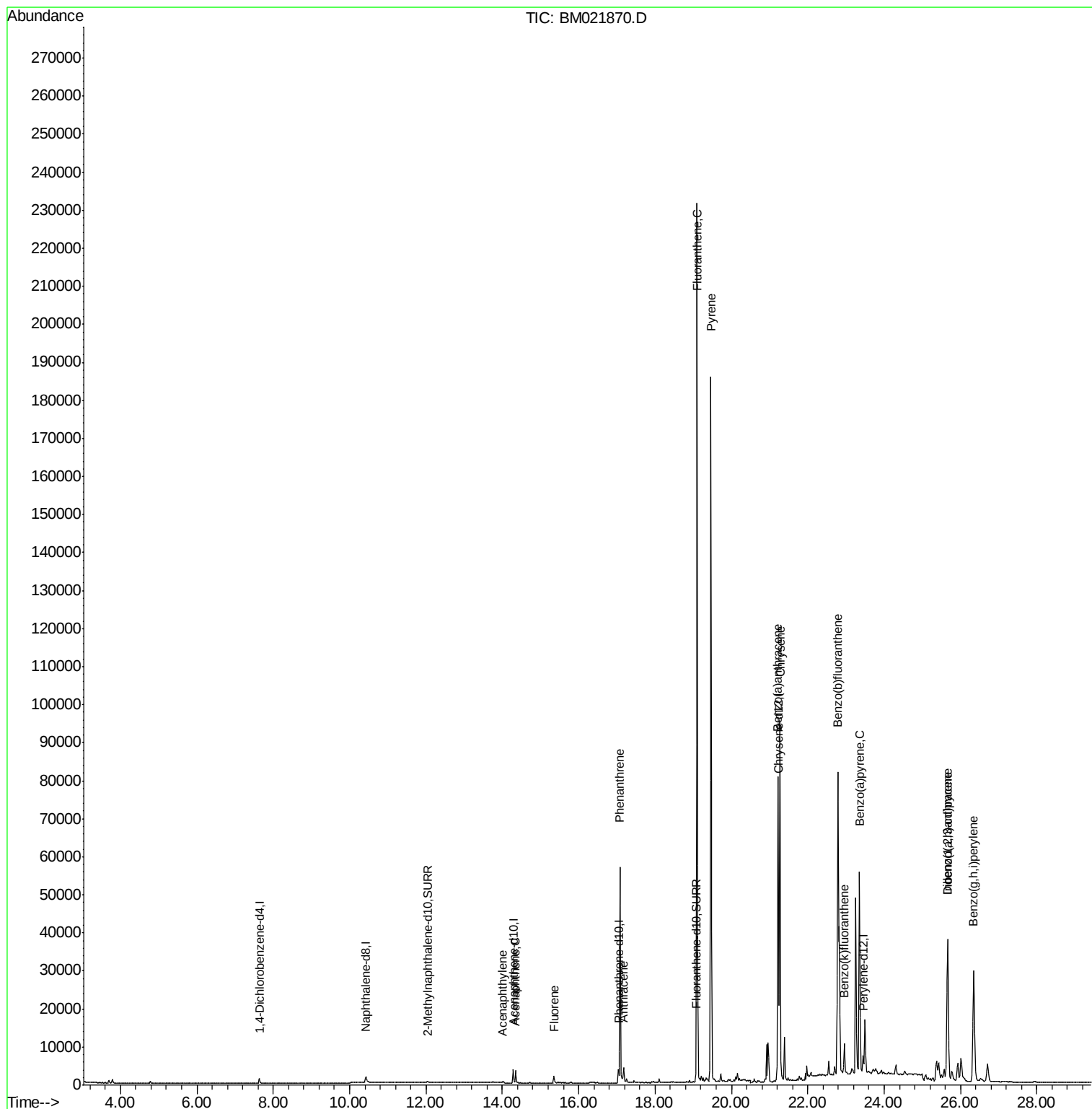
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	843	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	3651	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2121	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4902	0.40	ng/ul	-0.01
16) Chrysene-d12	21.23	240	5068	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	6524	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	896	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2602	0.16	ng/ul	-0.01
Target Compounds				Qvalue		
7) Acenaphthylene	14.01	152	728	0.074	ng/ul#	81
8) Acenaphthene	14.35	153	2110	0.261	ng/ul	97
9) Fluorene	15.35	166	1347	0.150	ng/ul	97
12) Phenanthrene	17.08	178	62902	4.410	ng/ul	96
13) Anthracene	17.18	178	4522	0.372	ng/ul	100
15) Fluoranthene	19.10	202	197513	10.338	ng/ul	97
17) Pyrene	19.47	202	160856	7.724	ng/ul	100
18) Benzo(a)anthracene	21.22	228	66148	3.649	ng/ul	99
19) Chrysene	21.27	228	94312	4.045	ng/ul	100
21) Benzo(b)fluoranthene	22.79	252	172779	7.854	ng/ul	82
22) Benzo(k)fluoranthene	22.96	252	8512	0.342	ng/ul	99
23) Benzo(a)pyrene	23.35	252	75153	3.359	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.66	276	63897	2.392	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.67	278	13702	0.635	ng/ul	92
26) Benzo(g,h,i)perylene	26.34	276	61333	2.550	ng/ul	95

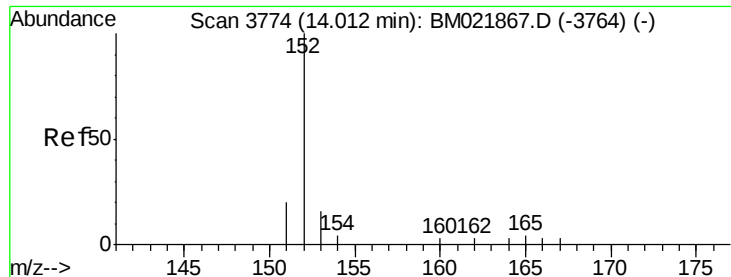
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.074 ng/ul

RT: 14.01 min Scan# 3773

Delta R.T. -0.00 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

Instrument :

BNA_M

ClientSampled :

A52F0MSD

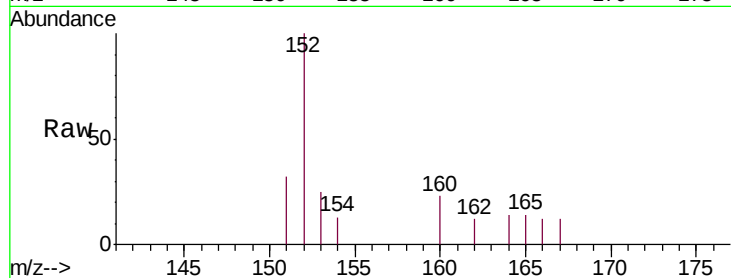
Tgt Ion:152 Resp: 728

Ion Ratio Lower Upper

152 100

151 31.8 18.3 27.5#

153 24.6 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

14.01

500

400

300

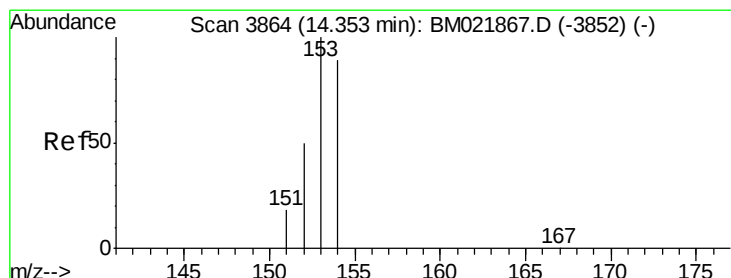
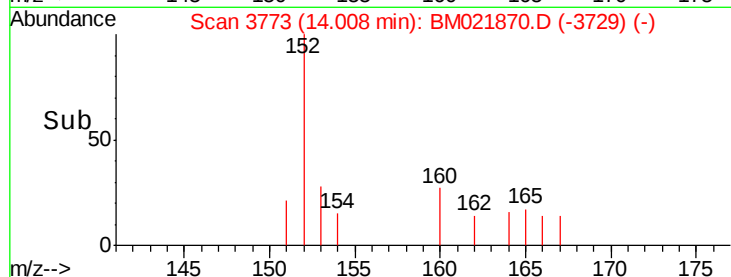
200

100

0

13.90 14.00 14.10 14.20

Time-->



#8

Acenaphthene

Concen: 0.261 ng/ul

RT: 14.35 min Scan# 3862

Delta R.T. -0.01 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

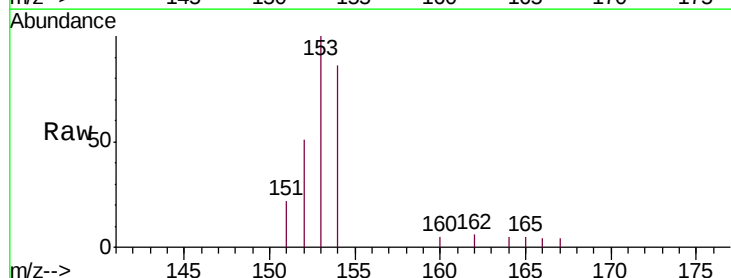
Tgt Ion:153 Resp: 2110

Ion Ratio Lower Upper

153 100

152 50.6 41.3 61.9

154 86.3 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

14.35

1500

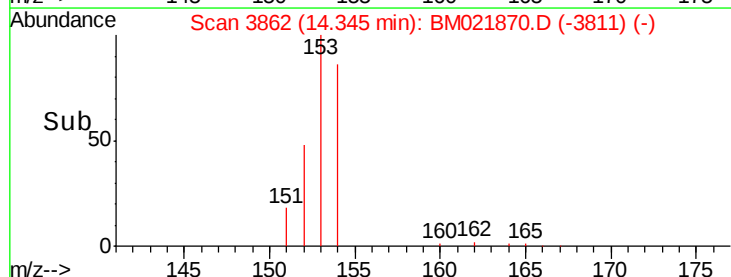
1000

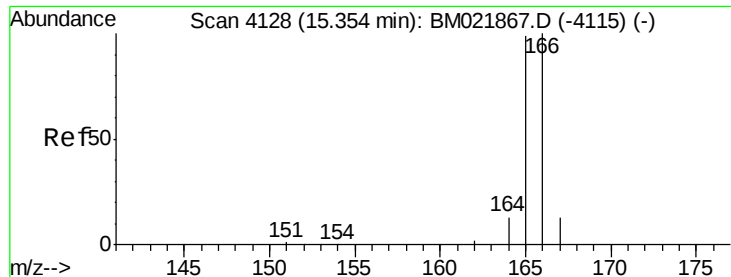
500

0

14.30 14.40

Time-->

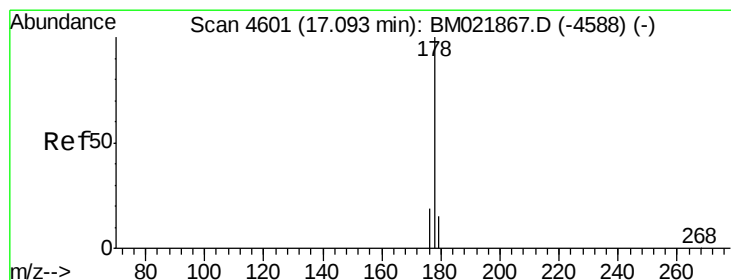
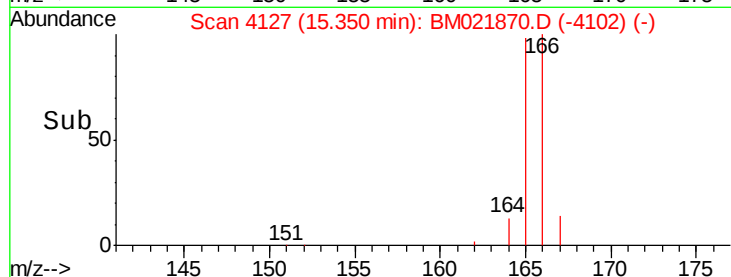
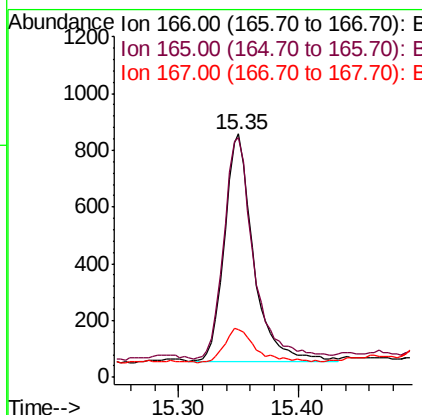
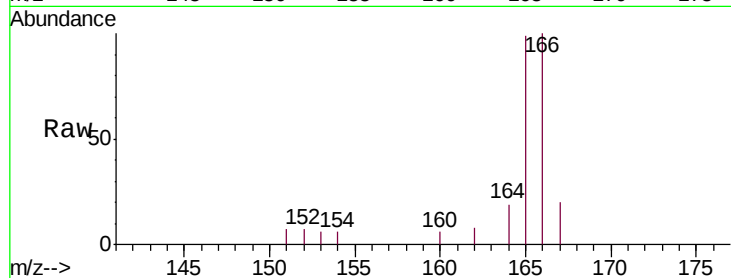




#9
Fluorene
 Concen: 0.150 ng/ul
 RT: 15.35 min Scan# 4127
 Delta R.T. -0.00 min
 Lab File: BM021870.D
 Acq: 06 Aug 2019 22:20

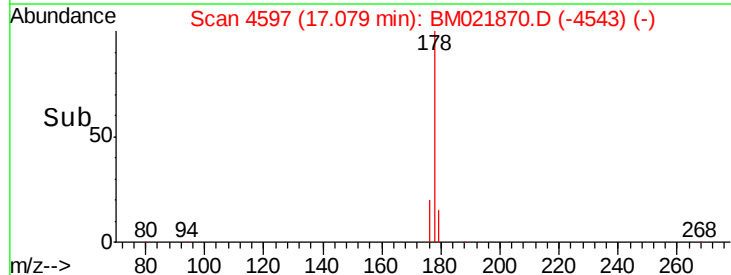
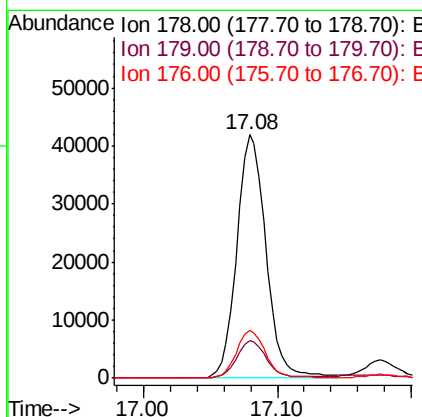
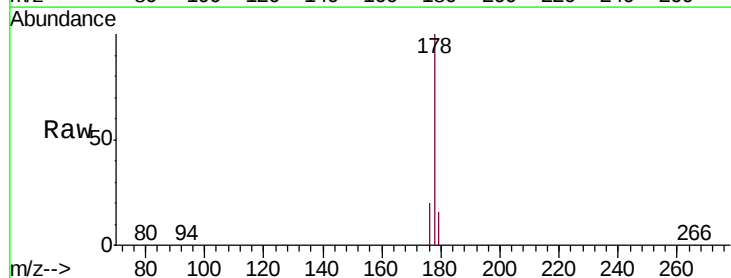
Instrument :
 BNA_M
 ClientSampleId :
 A52F0MSD

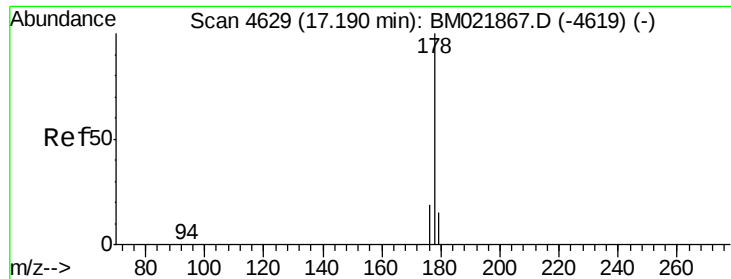
Tgt Ion:166 Resp: 1347
 Ion Ratio Lower Upper
 166 100
 165 98.6 81.4 122.0
 167 19.6 13.7 20.5



#12
Phenanthrene
 Concen: 4.410 ng/ul
 RT: 17.08 min Scan# 4597
 Delta R.T. -0.01 min
 Lab File: BM021870.D
 Acq: 06 Aug 2019 22:20

Tgt Ion:178 Resp: 62902
 Ion Ratio Lower Upper
 178 100
 179 15.6 14.2 21.2
 176 19.8 16.8 25.2

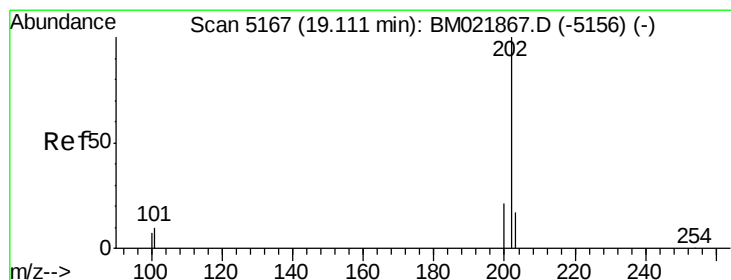
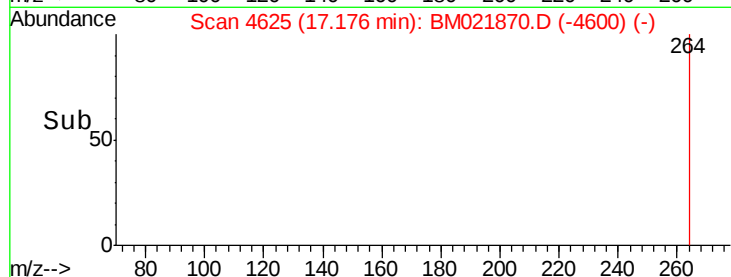
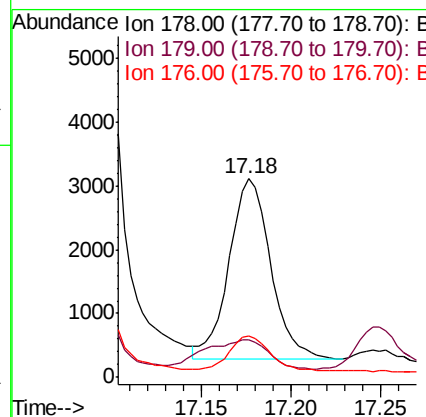
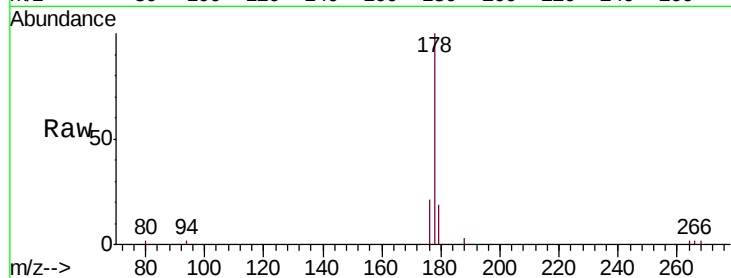




#13
 Anthracene
 Concen: 0.372 ng/ul
 RT: 17.18 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: BM021870.D
 Acq: 06 Aug 2019 22:20

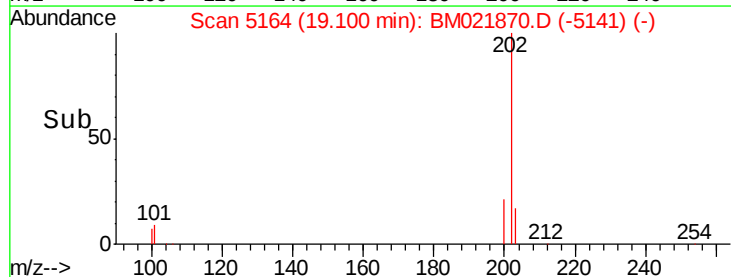
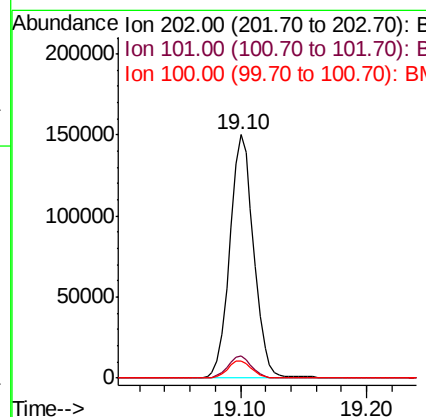
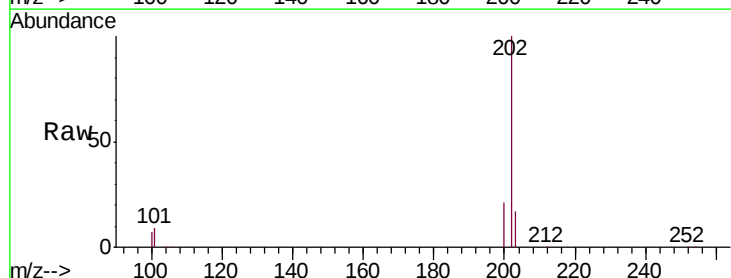
Instrument :
 BNA_M
 ClientSampleId :
 A52F0MSD

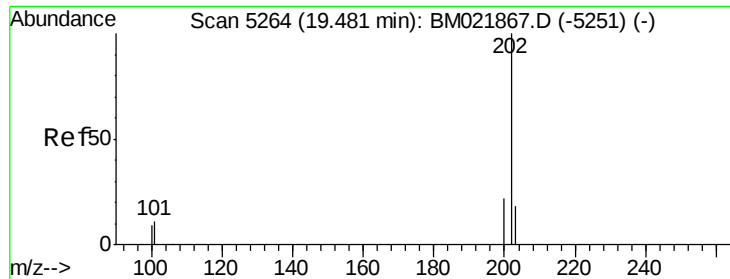
Tgt Ion:178 Resp: 4522
 Ion Ratio Lower Upper
 178 100
 179 19.2 15.5 23.3
 176 21.0 16.6 25.0



#15
 Fluoranthene
 Concen: 10.338 ng/ul
 RT: 19.10 min Scan# 5164
 Delta R.T. -0.01 min
 Lab File: BM021870.D
 Acq: 06 Aug 2019 22:20

Tgt Ion:202 Resp: 197513
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 30.2
 100 7.0 0.0 28.1

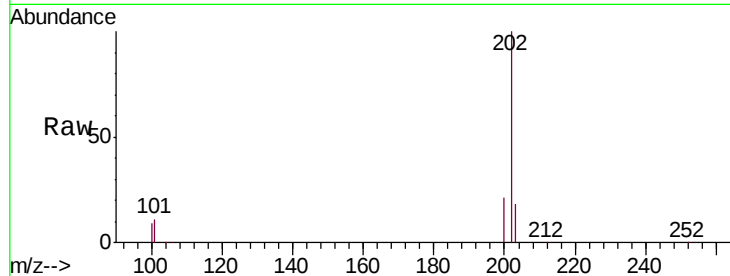




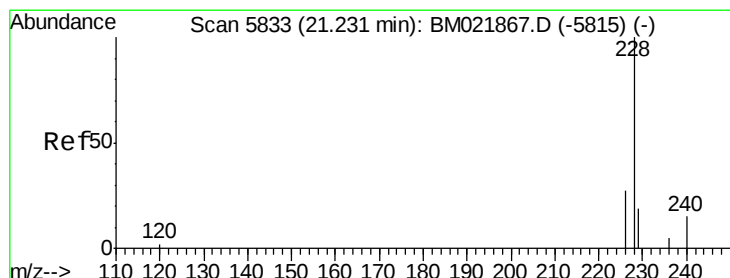
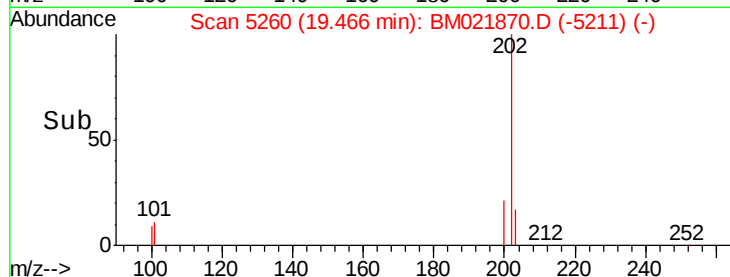
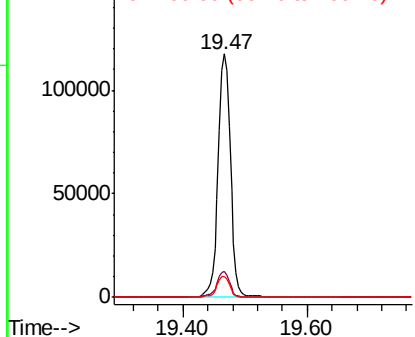
#17
Pyrene
Concen: 7.724 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. -0.01 min
Lab File: BM021870.D
Acq: 06 Aug 2019 22:20

Instrument :
BNA_M
ClientSampleId :
A52F0MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.3	12.5
100	8.8	7.2	10.8

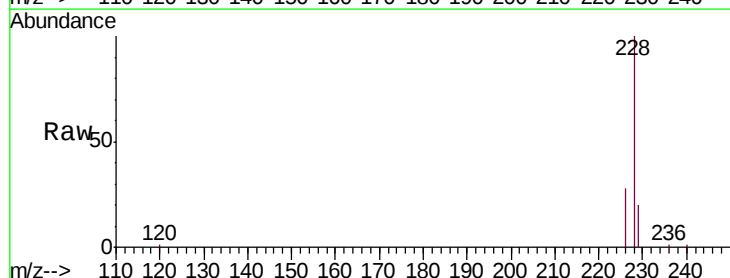


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

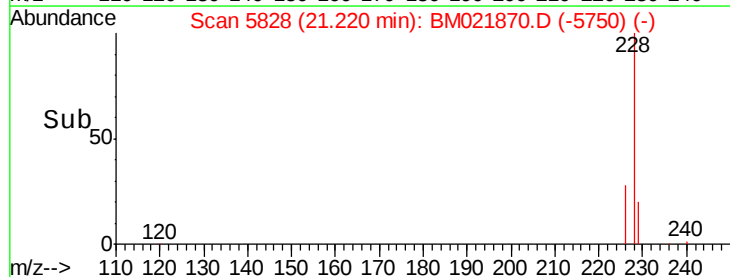
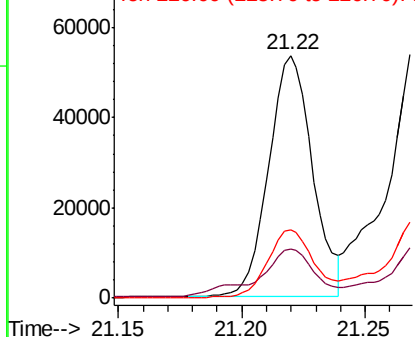


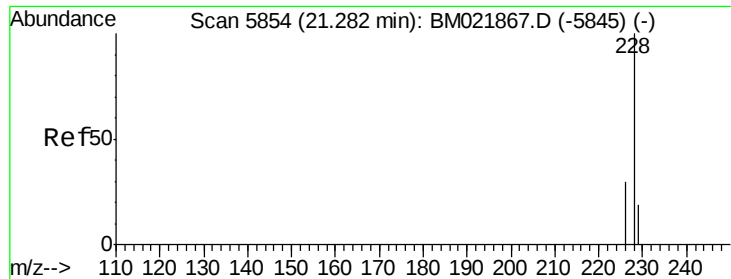
#18
Benzo(a)anthracene
Concen: 3.649 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021870.D
Acq: 06 Aug 2019 22:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	17.2	25.8
226	28.2	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: 4.045 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.01 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F0MSD

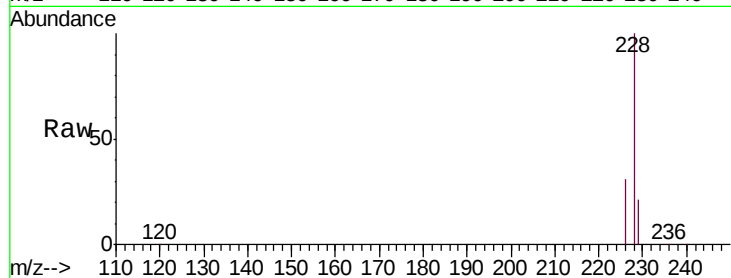
Tgt Ion:228 Resp: 94312

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

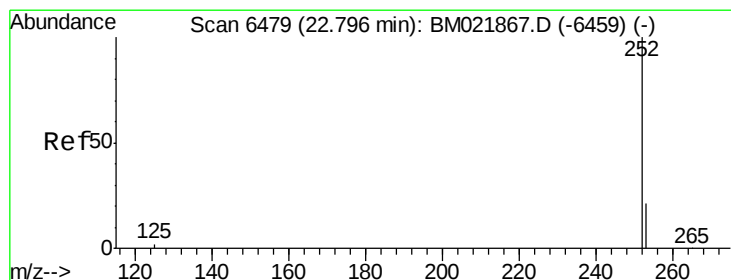
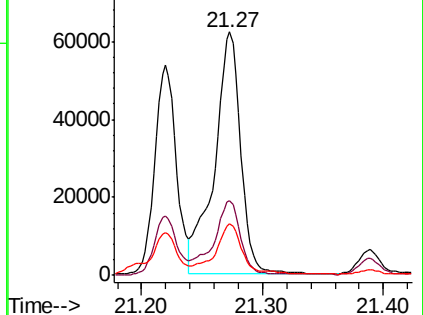
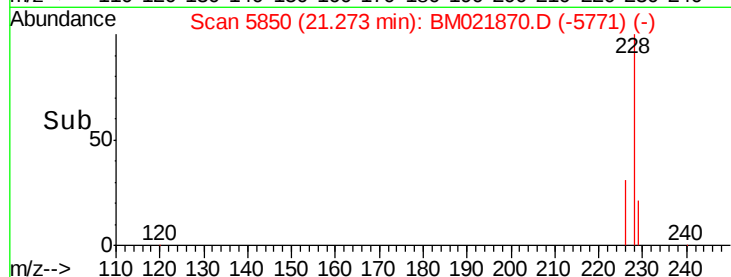
229 21.1 16.6 25.0



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: 7.854 ng/ul

RT: 22.79 min Scan# 6475

Delta R.T. -0.01 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

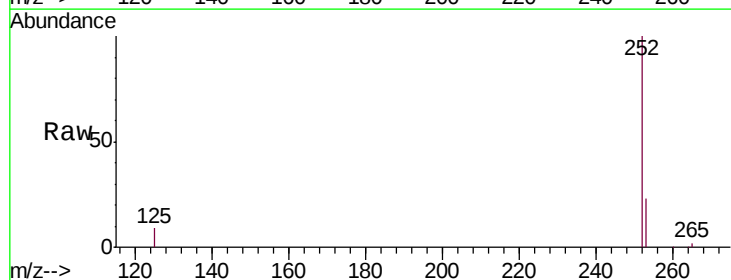
Tgt Ion:252 Resp: 172779

Ion Ratio Lower Upper

252 100

253 22.7 0.0 67.4

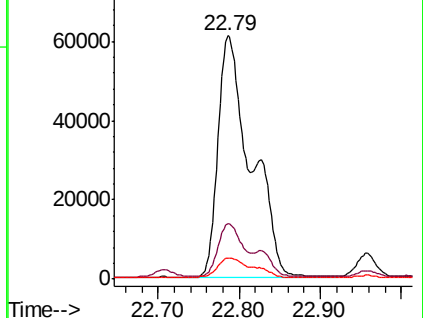
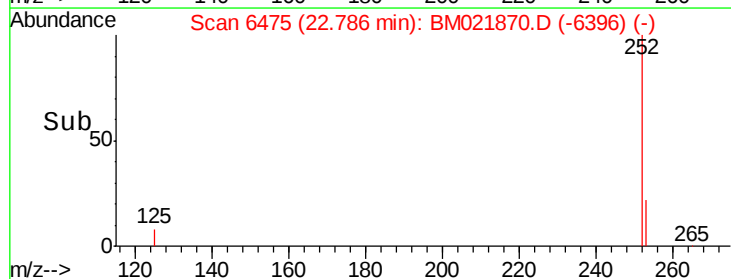
125 8.6 0.0 31.0

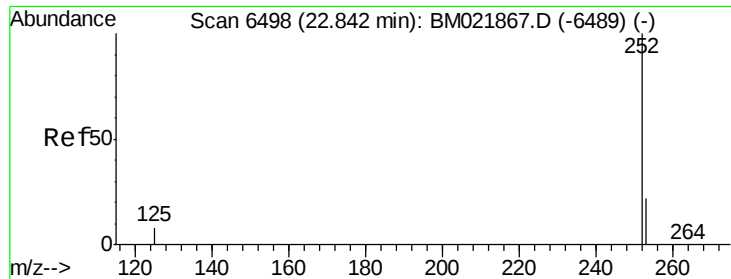


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.342 ng/ul

RT: 22.96 min Scan# 6545

Delta R.T. 0.11 min

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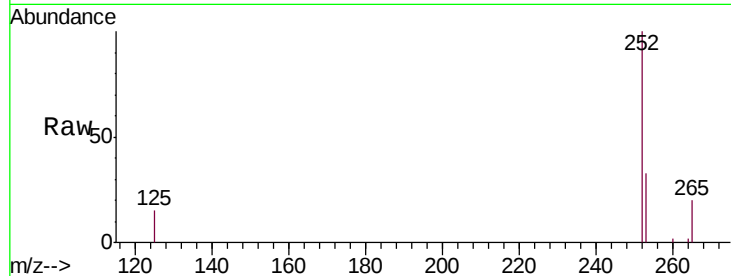
Tgt Ion:252 Resp: 8512

Ion Ratio Lower Upper

252 100

253 32.7 27.0 40.4

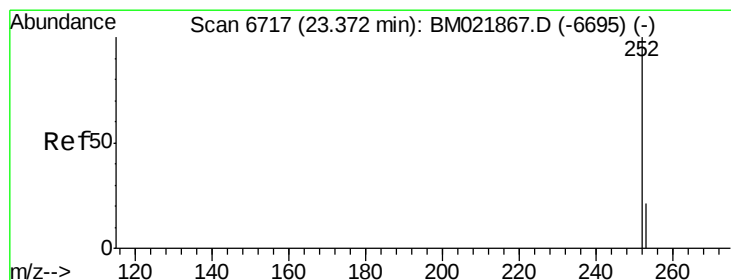
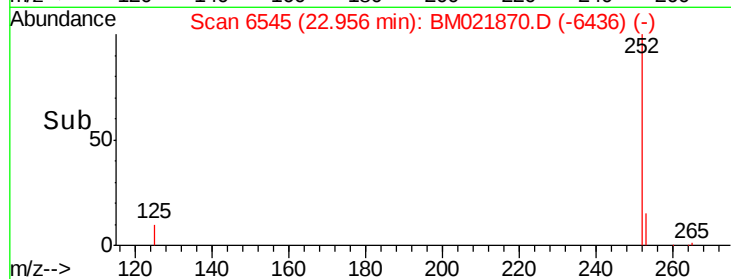
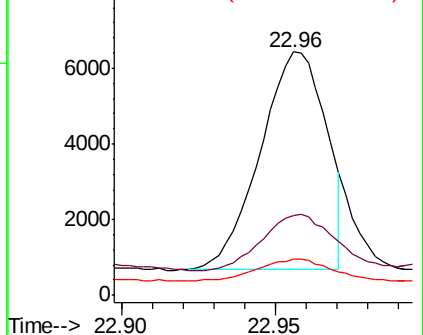
125 14.9 12.2 18.2



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: 3.359 ng/ul

RT: 23.35 min Scan# 6709

Delta R.T. -0.02 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

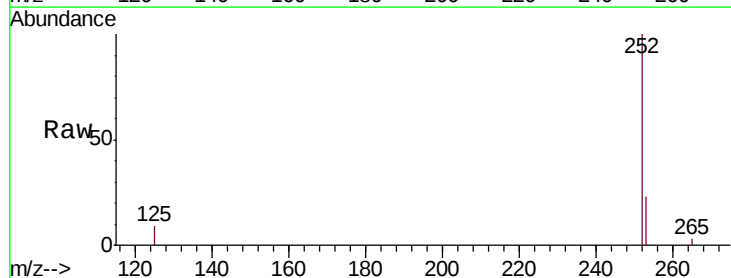
Tgt Ion:252 Resp: 75153

Ion Ratio Lower Upper

252 100

253 23.1 31.7 47.5#

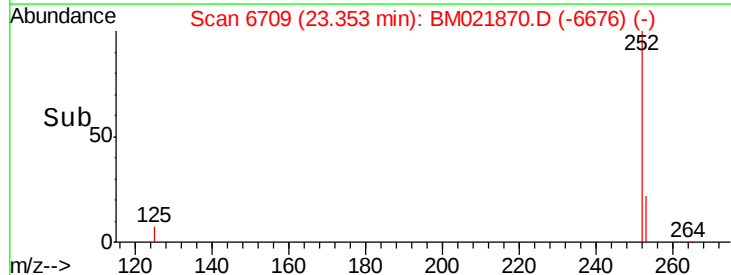
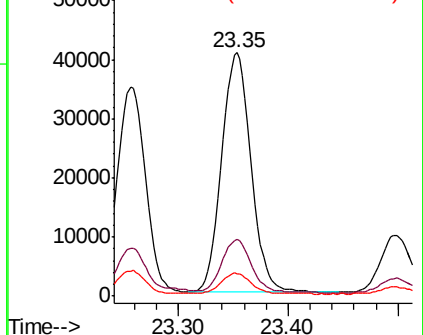
125 9.4 14.6 21.8#

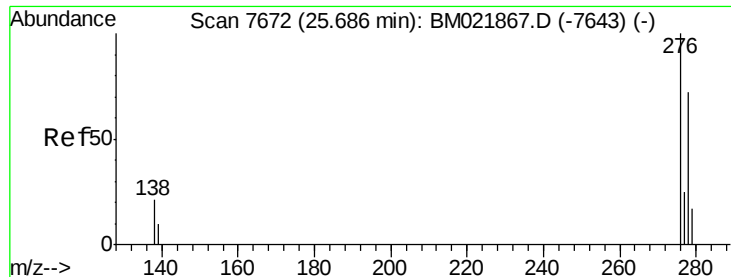


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.392 ng/u1

RT: 25.66 min Scan# 7661

Delta R.T. -0.03 min

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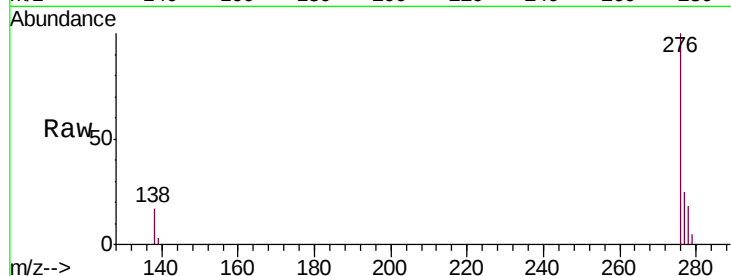
Tgt Ion:276 Resp: 63897

Ion Ratio Lower Upper

276 100

138 15.8 15.1 22.7

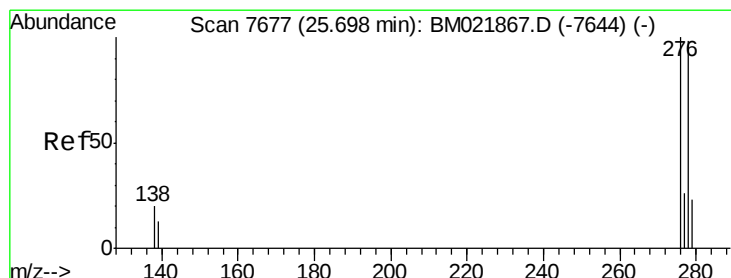
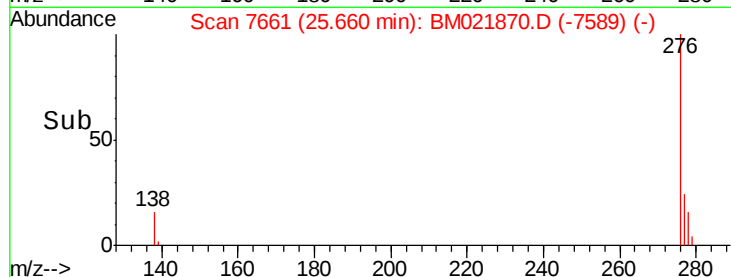
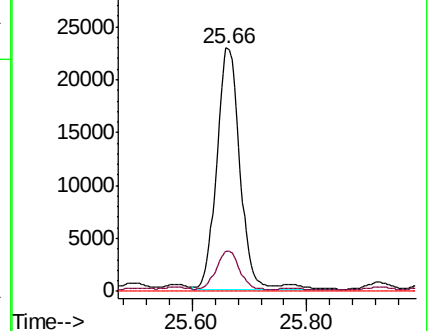
227 0.0 0.0 0.0



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: 0.635 ng/u1

RT: 25.67 min Scan# 7665

Delta R.T. -0.03 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

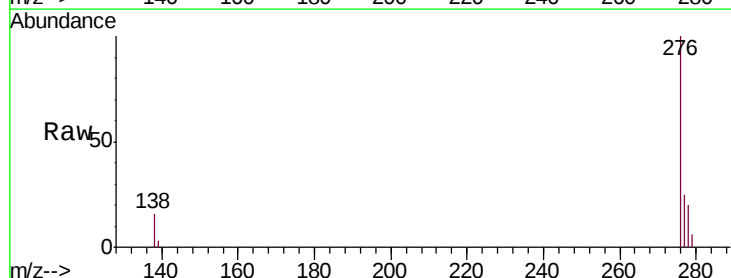
Tgt Ion:278 Resp: 13702

Ion Ratio Lower Upper

278 100

139 16.0 14.2 21.2

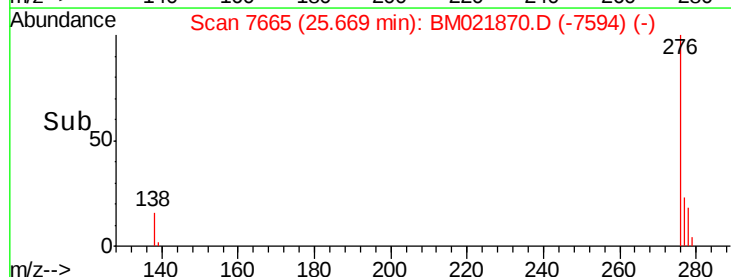
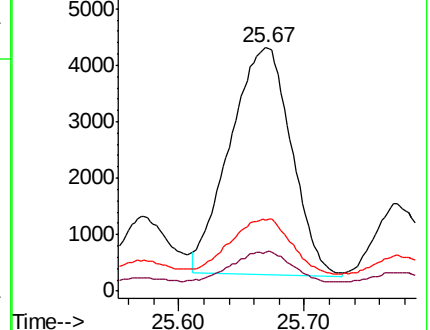
279 29.3 28.3 42.5

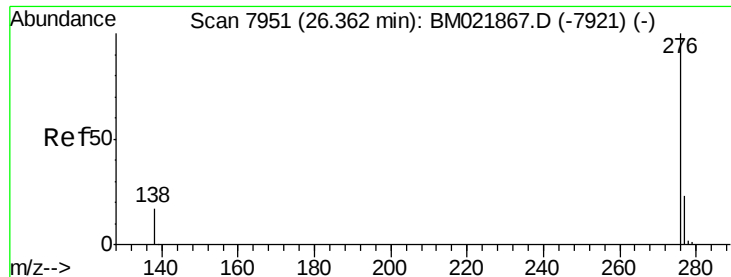


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.550 ng/ul

RT: 26.34 min Scan# 7943

Delta R.T. -0.02 min

Lab File: BM021870.D

Acq: 06 Aug 2019 22:20

Instrument :

BNA_M

ClientSampleId :

A52F0MSD

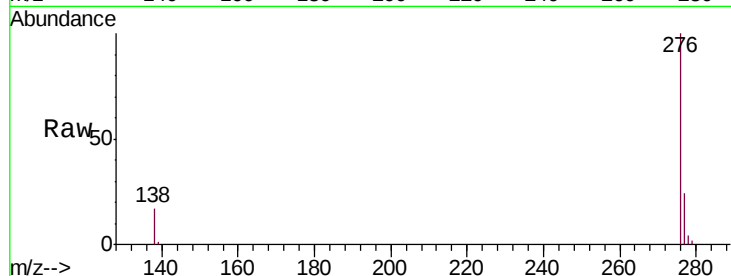
Tgt Ion: 276 Resp: 61333

Ion Ratio Lower Upper

276 100

138 17.2 15.5 23.3

277 24.4 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

