

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021966.D
 Acq On : 09 Aug 2019 12:21
 Operator : HP/JU
 Sample : K4029-17DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 10 05:22:18 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

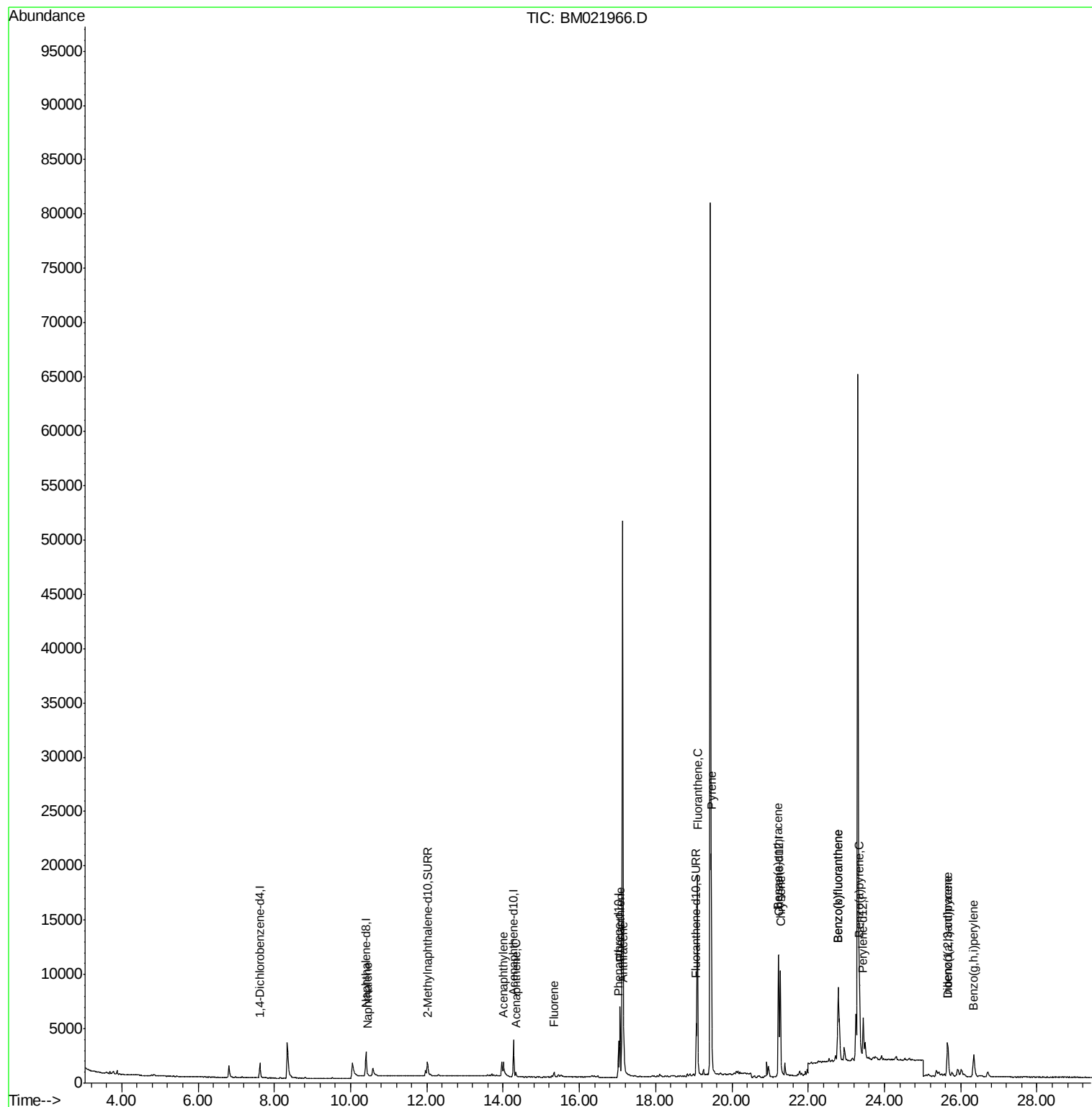
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	783	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3475	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	1940	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4290	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4139	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	5855	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2432	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	5751	0.40	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	223	0.023	ng/ul#	50
7) Acenaphthylene	14.00	152	880	0.097	ng/ul#	77
8) Acenaphthene	14.34	153	255	0.034	ng/ul#	93
9) Fluorene	15.33	166	373	0.045	ng/ul#	95
12) Phenanthrene	17.07	178	7326	0.587	ng/ul	98
13) Anthracene	17.16	178	2037	0.191	ng/ul	95
15) Fluoranthene	19.09	202	16642	0.995	ng/ul	98
17) Pyrene	19.46	202	17190	1.011	ng/ul	99
18) Benzo(a)anthracene	21.22	228	10256	0.693	ng/ul	99
19) Chrysene	21.27	228	9496	0.499	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	16096	0.815	ng/ul	91
22) Benzo(k)fluoranthene	22.78	252	16039	0.718	ng/ul	91
23) Benzo(a)pyrene	23.35	252	8209	0.409	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.66	276	5135	0.214	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.66	278	1485	0.077	ng/ul#	71
26) Benzo(a,h,i)perylene	26.34	276	4297	0.199	ng/ul	95

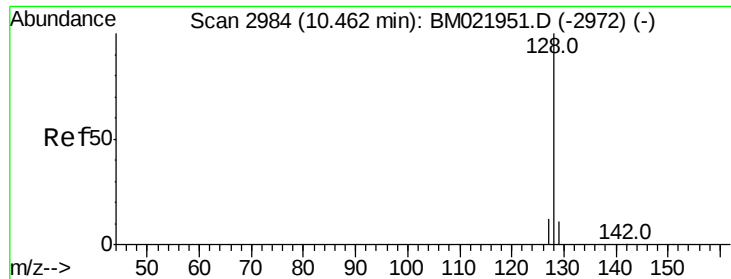
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 09 01:29:50 2019
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#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

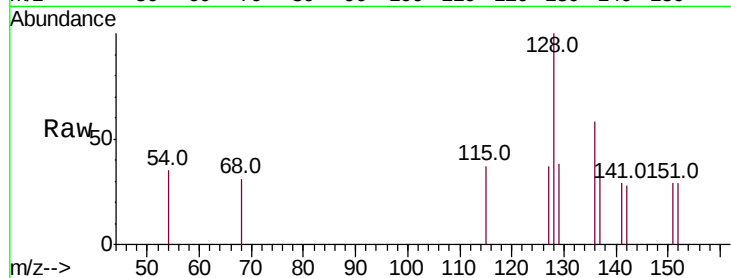
Tot Ion:128 Resp: 223

Ion Ratio Lower Upper

128 100

129 37.8 12.3 18.5#

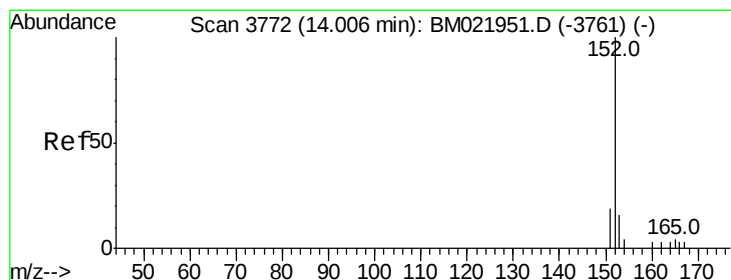
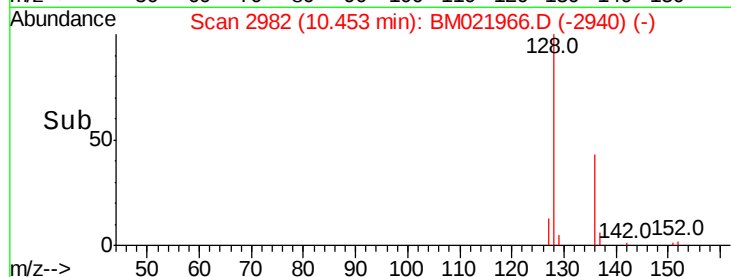
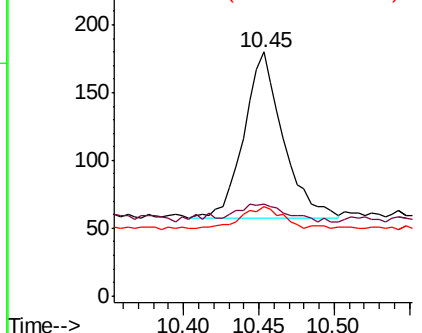
127 36.7 13.0 19.6#



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



#7

Acenaphthylene

Concen: 0.097 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

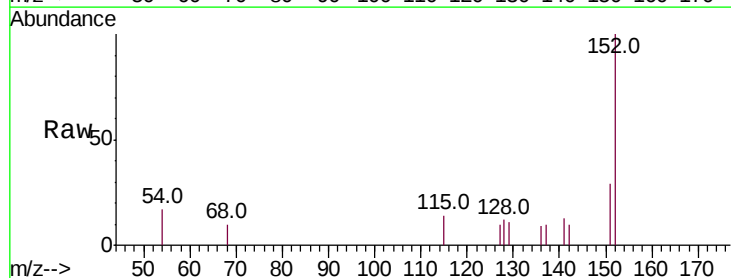
Tgt Ion:152 Resp: 880

Ion Ratio Lower Upper

152 100

151 29.0 18.3 27.5#

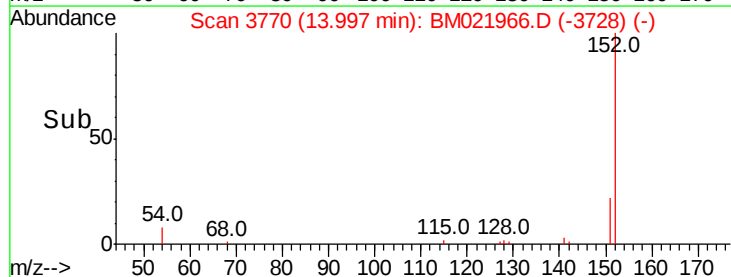
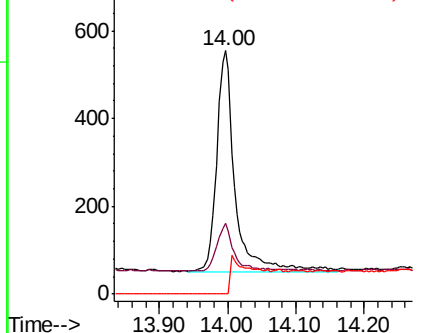
153 0.0 12.8 19.2#

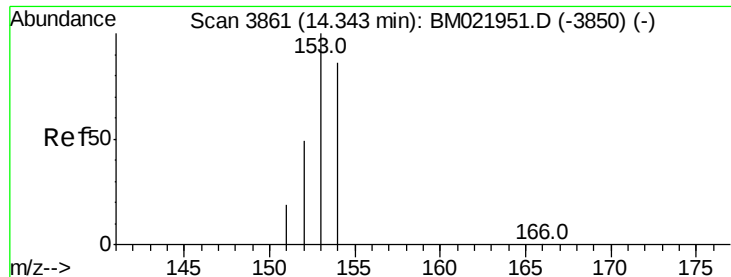


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.034 ng/ul

RT: 14.34 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

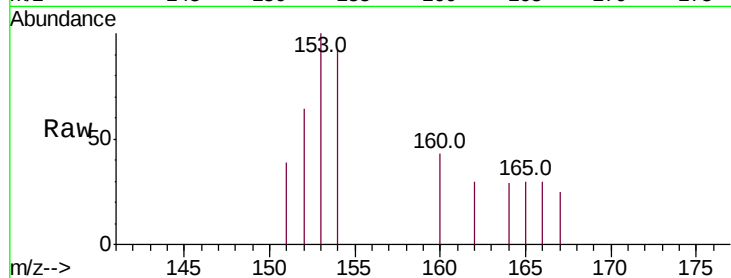
Tot Ion:153 Resp: 255

Ion Ratio Lower Upper

153 100

152 63.7 41.3 61.9#

154 91.7 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

14.34

200

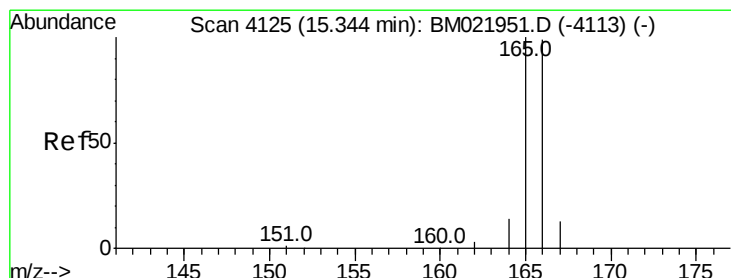
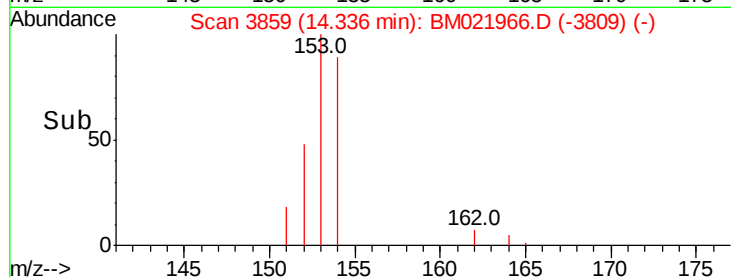
150

100

50

0

Time-->



#9

Fluorene

Concen: 0.045 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

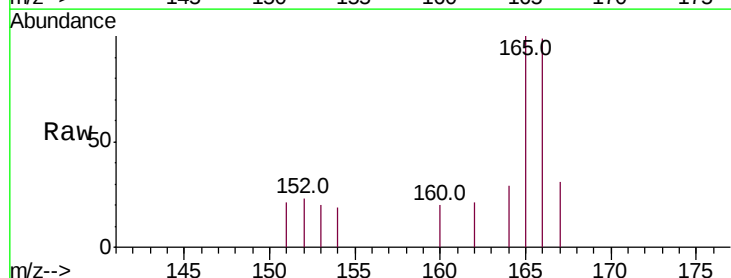
Tgt Ion:166 Resp: 373

Ion Ratio Lower Upper

166 100

165 101.1 81.4 122.0

167 31.1 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

15.33

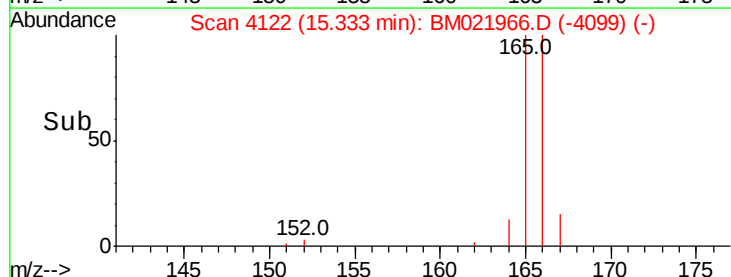
300

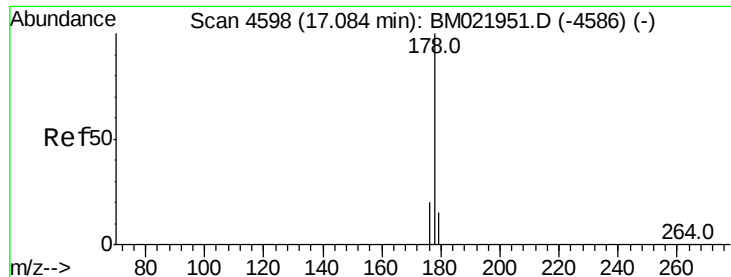
200

100

0

Time-->





#12

Phenanthrene

Concen: 0.587 ng/ul

RT: 17.07 min Scan# 4593

Delta R.T. -0.02 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

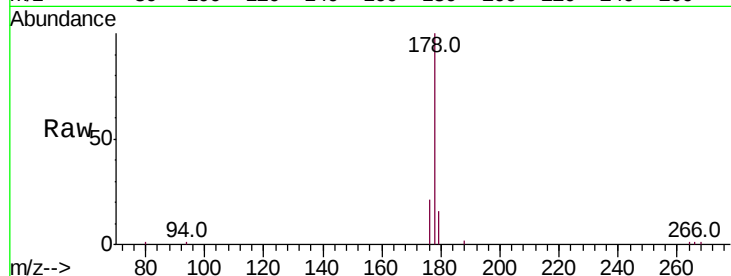
Tot Ion:178 Resp: 7326

Ion Ratio Lower Upper

178 100

179 16.4 14.2 21.2

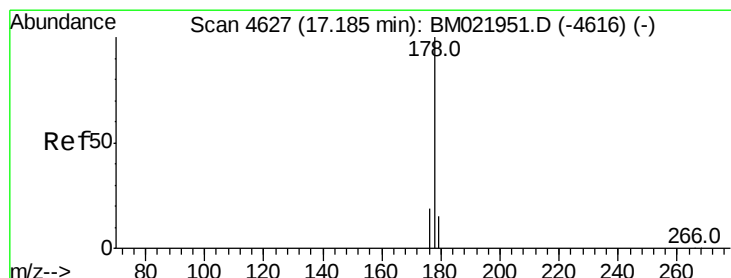
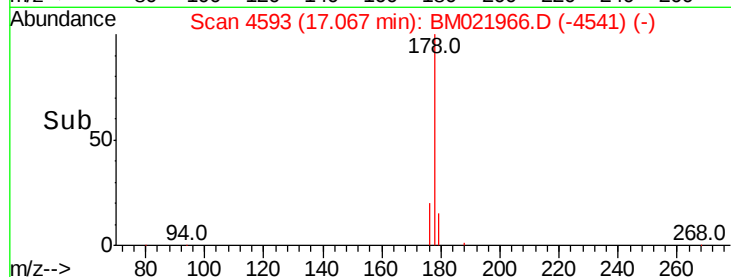
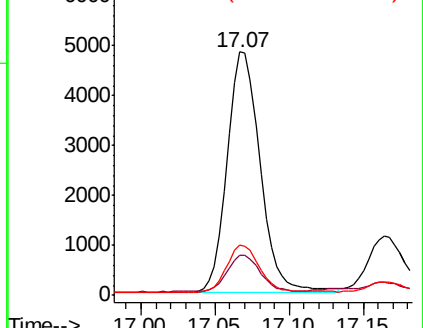
176 20.7 16.8 25.2



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: 0.191 ng/ul

RT: 17.16 min Scan# 4621

Delta R.T. -0.02 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

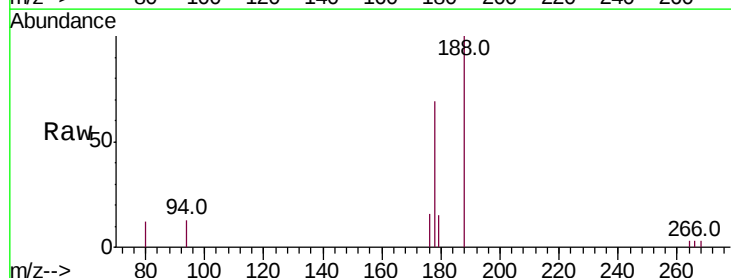
Tgt Ion:178 Resp: 2037

Ion Ratio Lower Upper

178 100

179 21.9 15.5 23.3

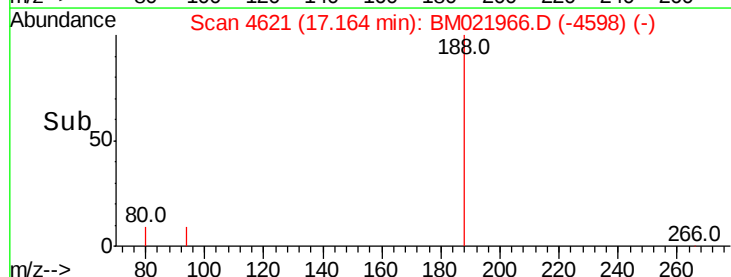
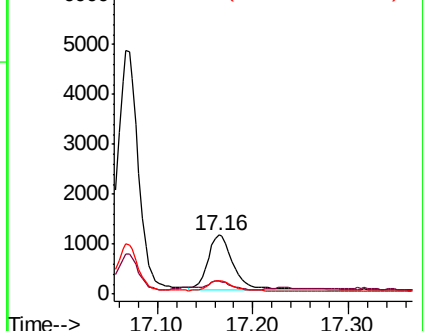
176 22.7 16.6 25.0

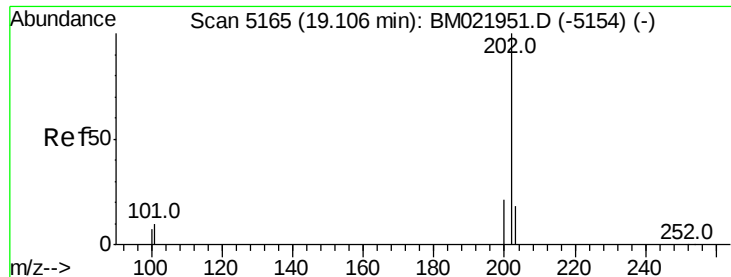


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

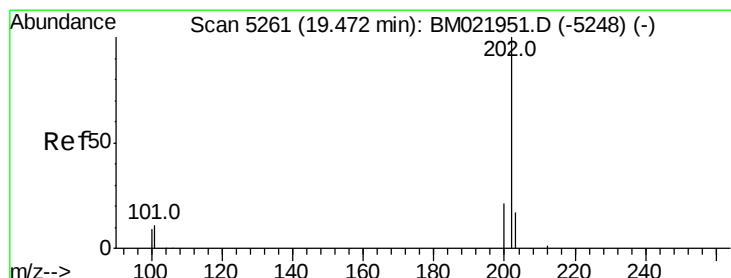
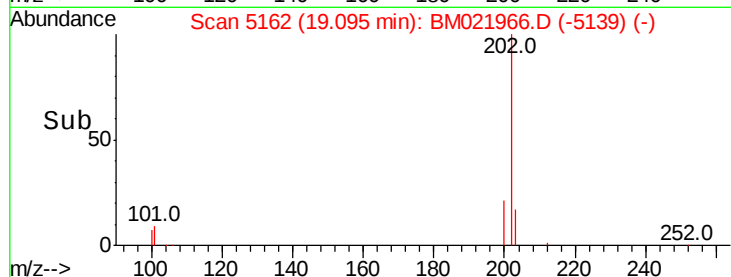
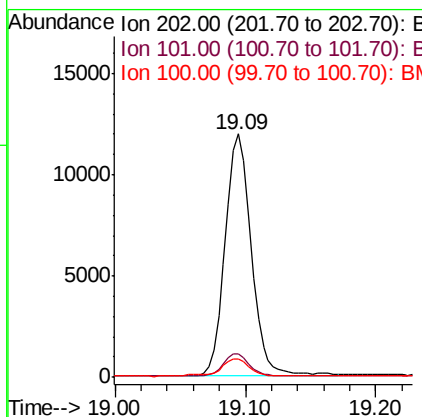
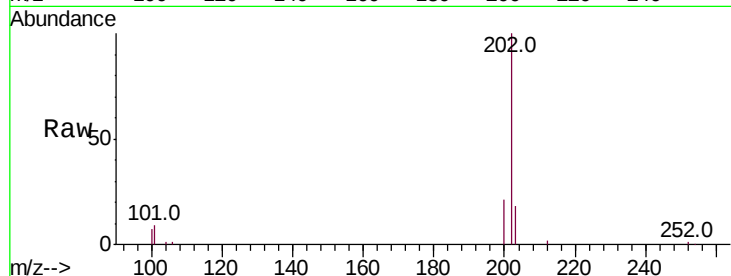




#15
Fluoranthene
Concen: 0.995 ng/ul
RT: 19.09 min Scan# 5162
Delta R.T. -0.01 min
Lab File: BM021966.D
Acq: 09 Aug 2019 12:21

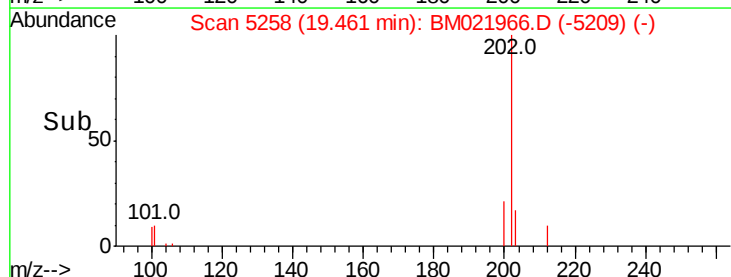
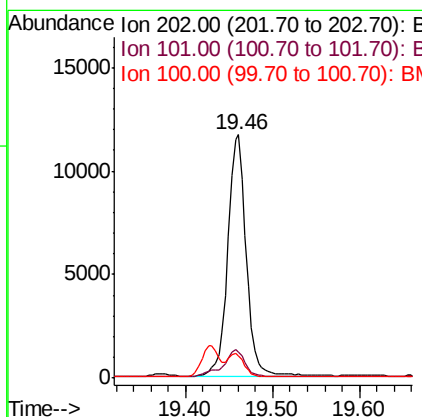
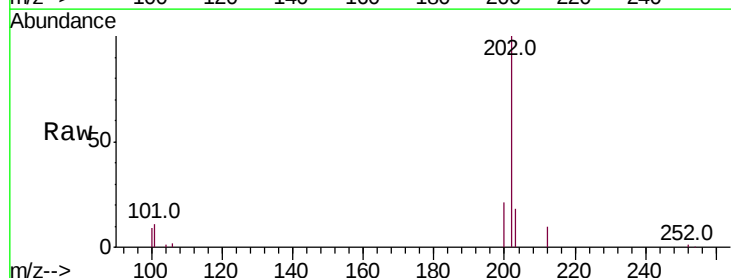
Instrument :
BNA_M
ClientSampleId :

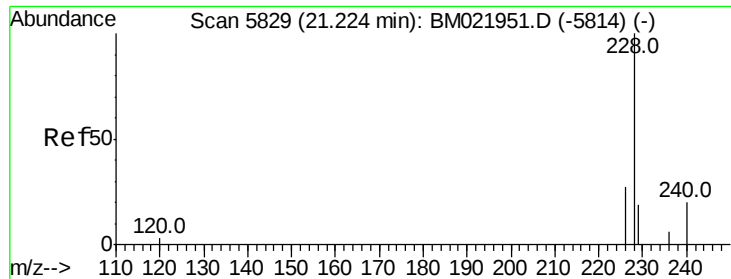
Tot Ion:202 Resp: 16642
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
100 7.4 0.0 28.1



#17
Pyrene
Concen: 1.011 ng/ul
RT: 19.46 min Scan# 5258
Delta R.T. -0.01 min
Lab File: BM021966.D
Acq: 09 Aug 2019 12:21

Tgt Ion:202 Resp: 17190
Ion Ratio Lower Upper
202 100
101 10.9 8.3 12.5
100 9.3 7.2 10.8





#18

Benzo(a)anthracene

Concen: 0.693 ng/ul

RT: 21.22 min Scan# 5826

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

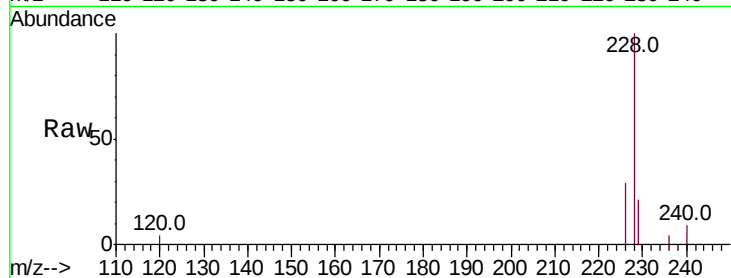
Tot Ion:228 Resp: 10256

Ion Ratio Lower Upper

228 100

229 21.3 17.2 25.8

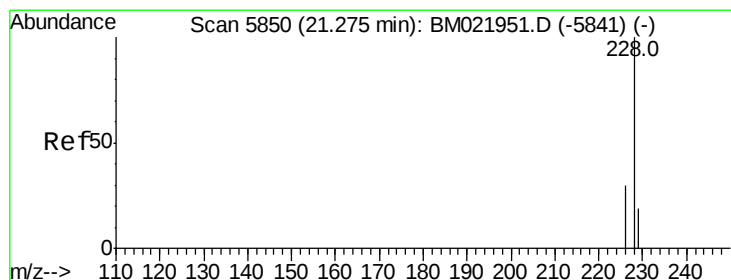
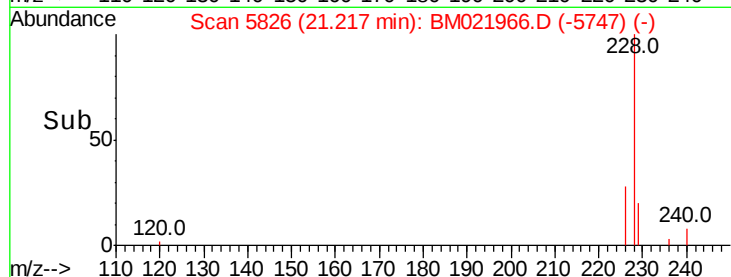
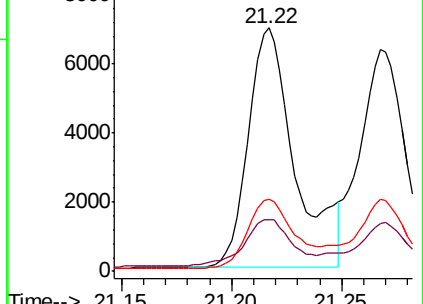
226 29.5 22.6 34.0



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: 0.499 ng/ul

RT: 21.27 min Scan# 5847

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

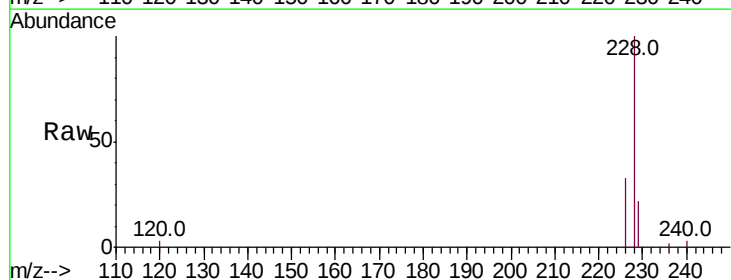
Tgt Ion:228 Resp: 9496

Ion Ratio Lower Upper

228 100

226 32.7 24.9 37.3

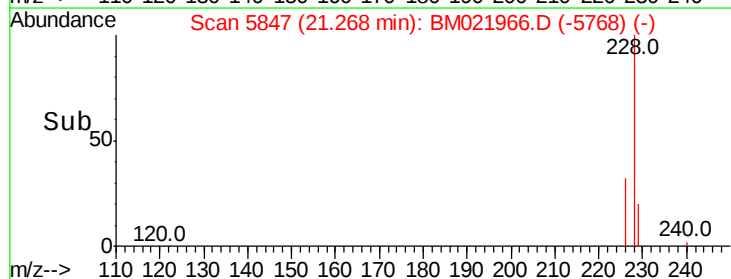
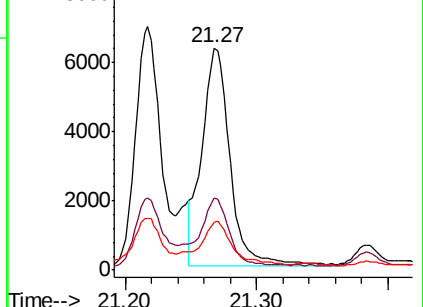
229 21.5 16.6 25.0

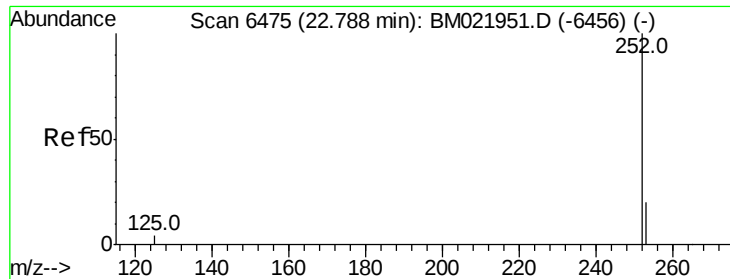


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.815 ng/ul

RT: 22.78 min Scan# 6473

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

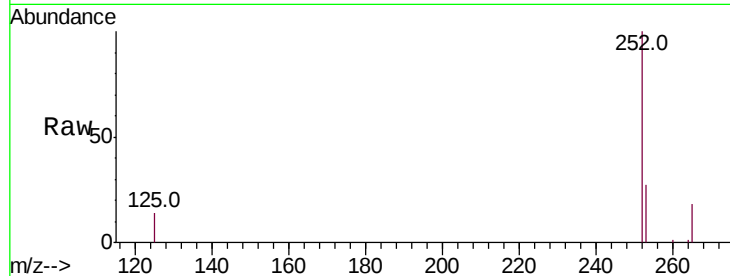
Tot Ion:252 Resp: 16096

Ion Ratio Lower Upper

252 100

253 27.4 0.0 67.4

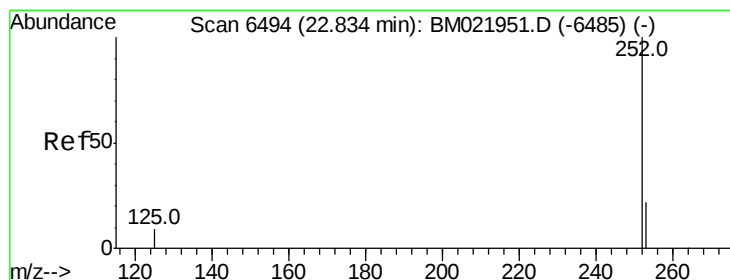
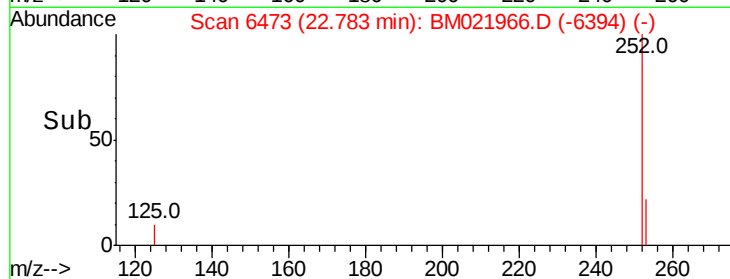
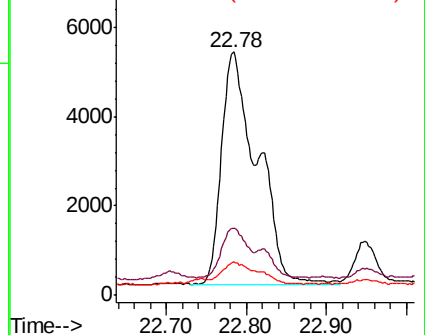
125 13.8 0.0 31.0



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: 0.718 ng/ul

RT: 22.78 min Scan# 6473

Delta R.T. -0.05 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

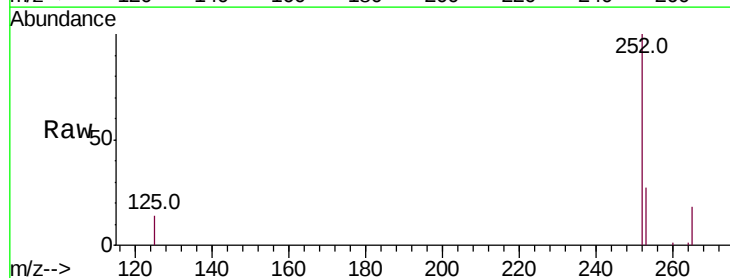
Tgt Ion:252 Resp: 16039

Ion Ratio Lower Upper

252 100

253 27.4 27.0 40.4

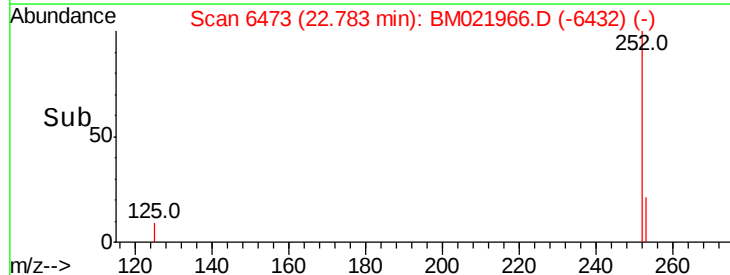
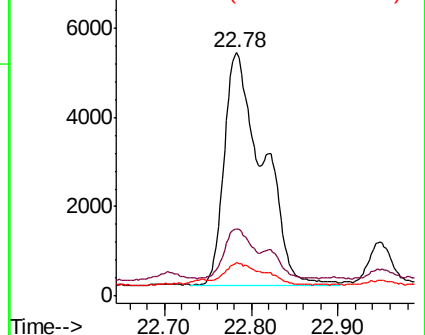
125 13.8 12.2 18.2

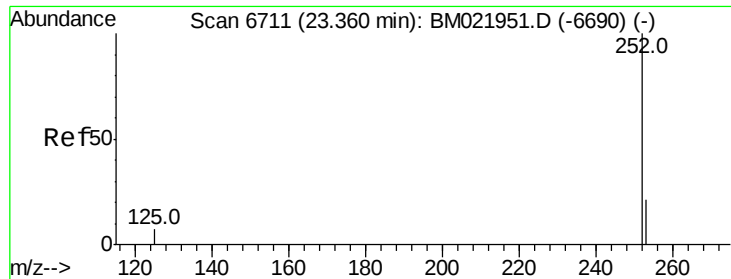


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.409 ng/ul

RT: 23.35 min Scan# 6705

Delta R.T. -0.01 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

Instrument :

BNA_M

ClientSampleId :

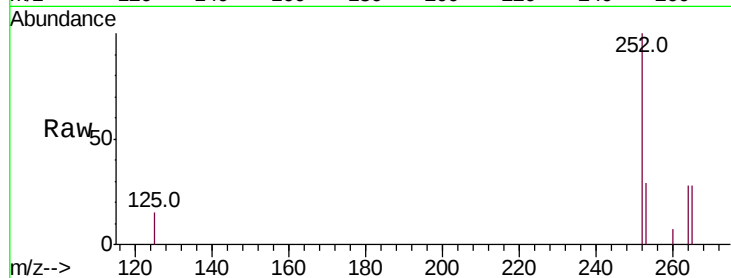
Tot Ion:252 Resp: 8209

Ion Ratio Lower Upper

252 100

253 29.0 31.7 47.5#

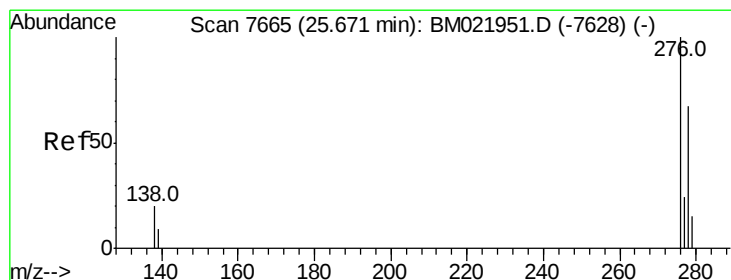
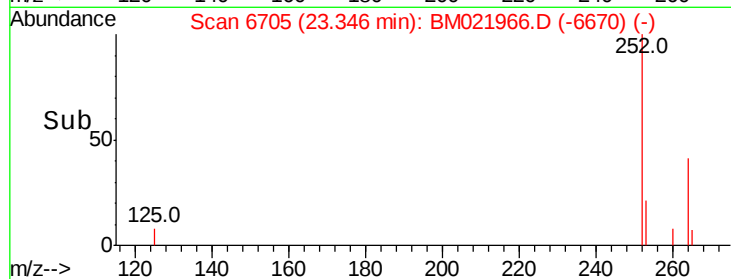
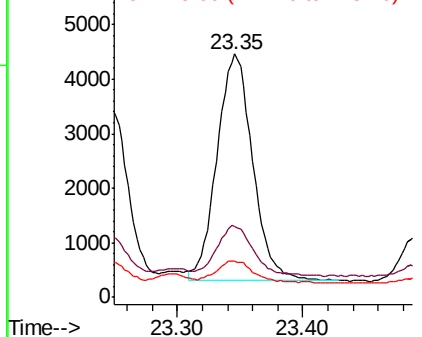
125 15.0 14.6 21.8



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: 0.214 ng/ul

RT: 25.66 min Scan# 7659

Delta R.T. -0.02 min

Lab File: BM021966.D

Acq: 09 Aug 2019 12:21

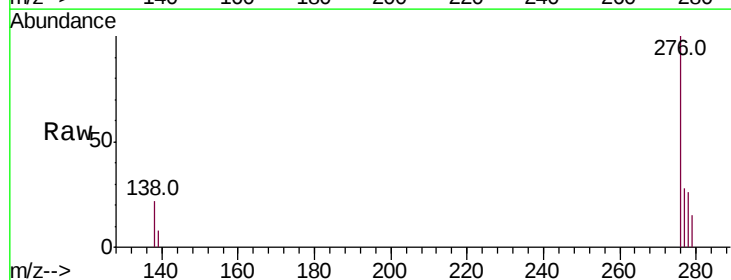
Tgt Ion:276 Resp: 5135

Ion Ratio Lower Upper

276 100

138 18.1 15.1 22.7

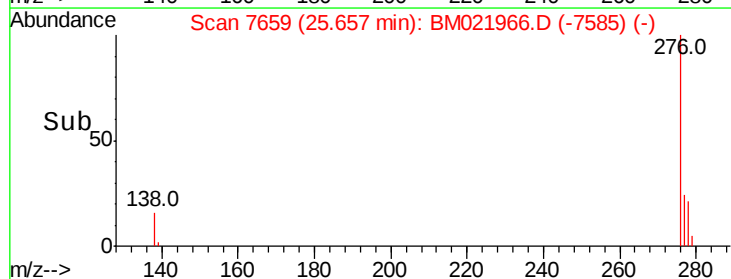
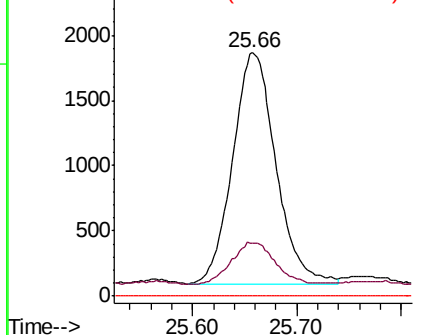
227 0.0 0.0 0.0

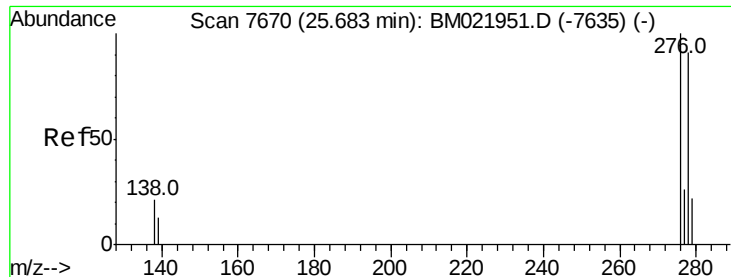


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

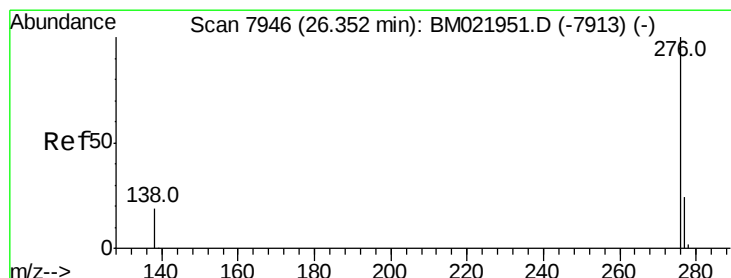
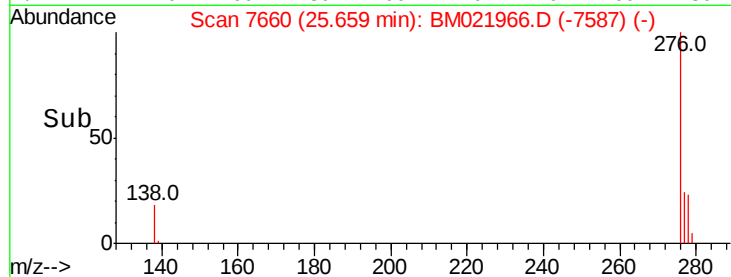
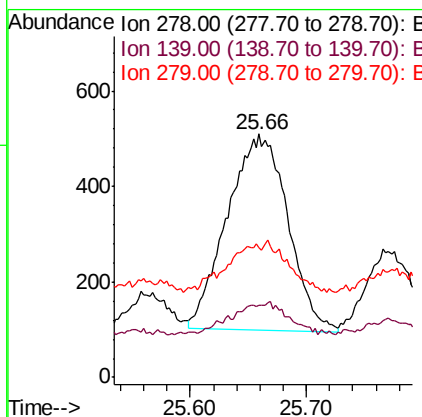
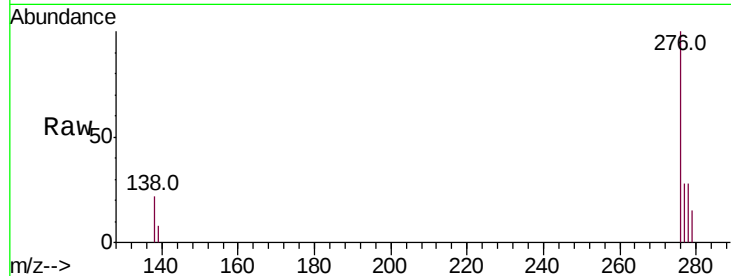




#25
Dibenzo(a,h)anthracene
Concen: 0.077 ng/ul
RT: 25.66 min Scan# 7660
Delta R.T. -0.02 min
Lab File: BM021966.D
Acq: 09 Aug 2019 12:21

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 1485
Ion Ratio Lower Upper
278 100
139 29.6 14.2 21.2#
279 53.1 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 0.199 ng/ul
RT: 26.34 min Scan# 7942
Delta R.T. -0.01 min
Lab File: BM021966.D
Acq: 09 Aug 2019 12:21

Tgt Ion:276 Resp: 4297
Ion Ratio Lower Upper
276 100
138 22.6 15.5 23.3
277 28.9 21.4 32.2

