

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080919\
 Data File : BM021969.D
 Acq On : 09 Aug 2019 14:11
 Operator : HP/JU
 Sample : K4029-22DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 10 05:22:42 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

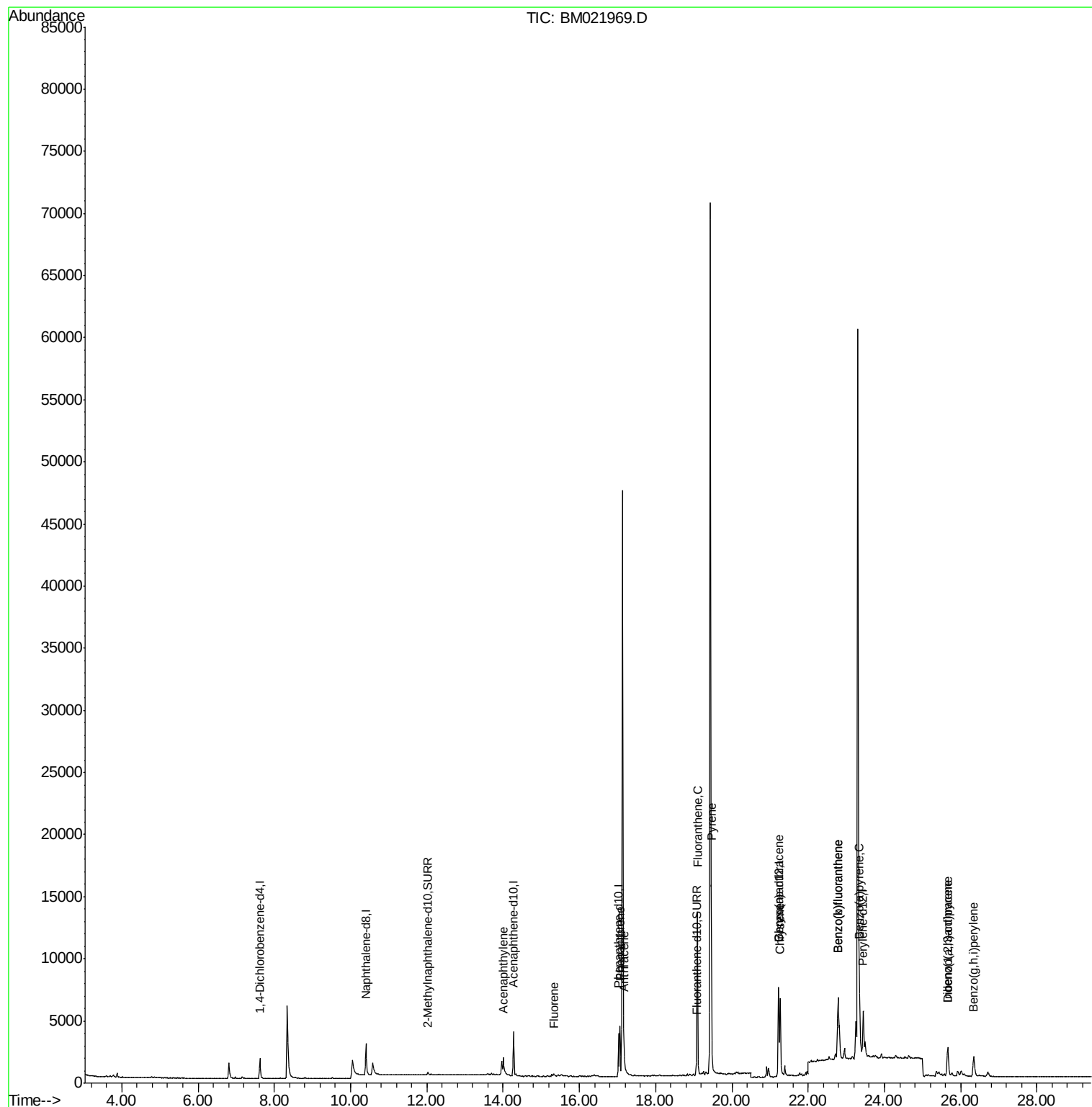
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	918	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3880	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	2099	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4531	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4281	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6045	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	455	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	1202	0.08	ng/ul	-0.01
Target Compounds				Ovalue		
7) Acenaphthylene	14.00	152	778	0.079	ng/ul#	78
9) Fluorene	15.33	166	204	0.023	ng/ul#	88
12) Phenanthrene	17.07	178	4500	0.341	ng/ul	99
13) Anthracene	17.17	178	1144	0.102	ng/ul#	88
15) Fluoranthene	19.09	202	11883	0.673	ng/ul	100
17) Pyrene	19.46	202	12122	0.689	ng/ul	97
18) Benzo(a)anthracene	21.22	228	6171	0.403	ng/ul	97
19) Chrysene	21.27	228	6082	0.309	ng/ul	97
21) Benzo(b)fluoranthene	22.78	252	11858	0.582	ng/ul	95
22) Benzo(k)fluoranthene	22.78	252	11858	0.514	ng/ul	95
23) Benzo(a)pyrene	23.34	252	5661	0.273	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.66	276	3986	0.161	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.67	278	982	0.049	ng/ul#	51
26) Benzo(g,h,i)perylene	26.34	276	3392	0.152	ng/ul#	92

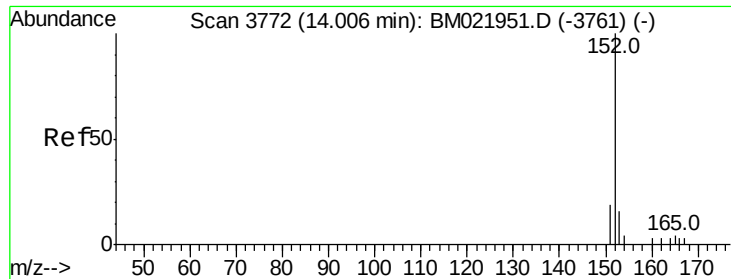
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.079 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

Instrument :

BNA_M

ClientSampleId :

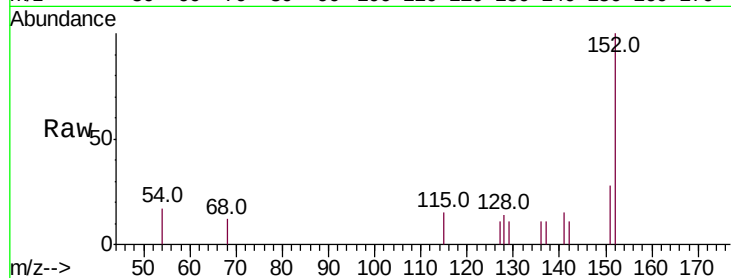
Tot Ion:152 Resp: 778

Ion Ratio Lower Upper

152 100

151 28.5 18.3 27.5#

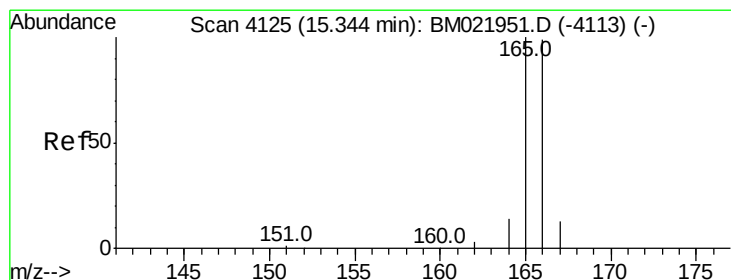
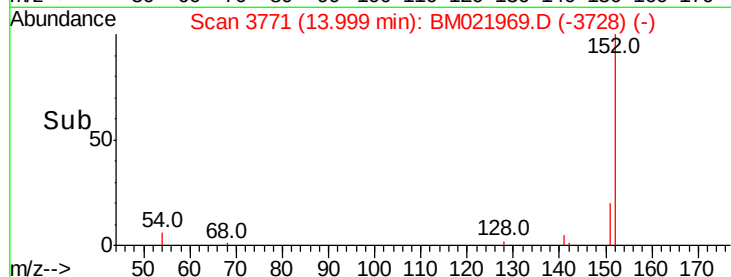
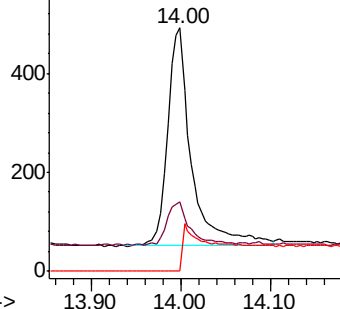
153 0.0 12.8 19.2#



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



#9

Fluorene

Concen: 0.023 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.02 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

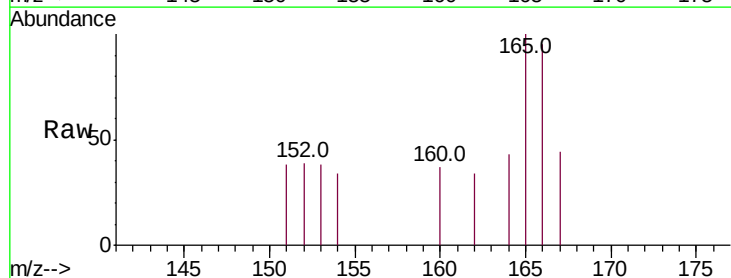
Tgt Ion:166 Resp: 204

Ion Ratio Lower Upper

166 100

165 104.8 81.4 122.0

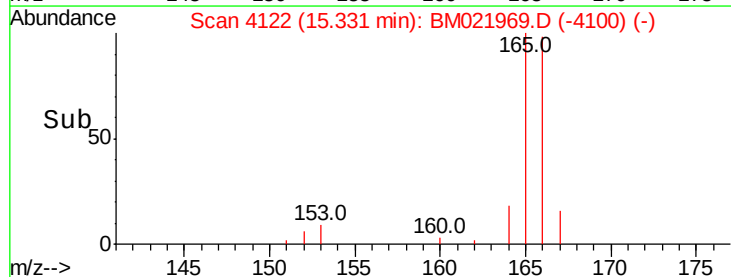
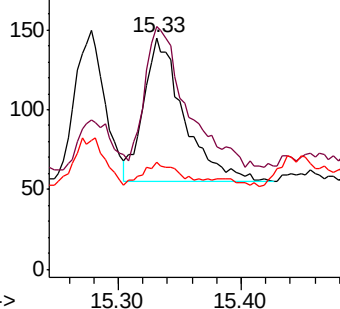
167 46.2 13.7 20.5#

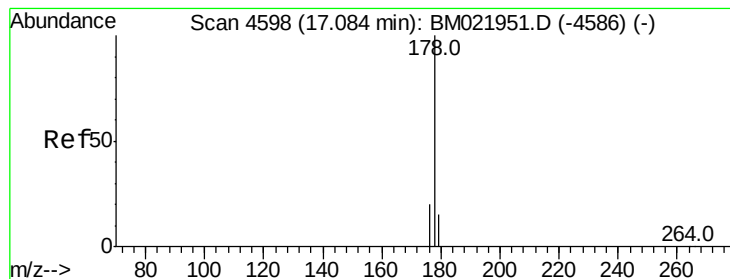


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.341 ng/ul

RT: 17.07 min Scan# 4594

Delta R.T. -0.02 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

Instrument :

BNA_M

ClientSampleId :

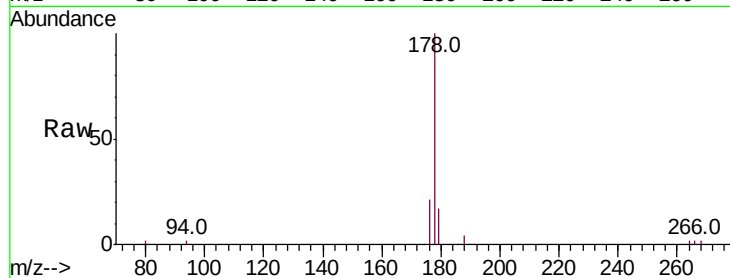
Tot Ion:178 Resp: 4500

Ion Ratio Lower Upper

178 100

179 17.0 14.2 21.2

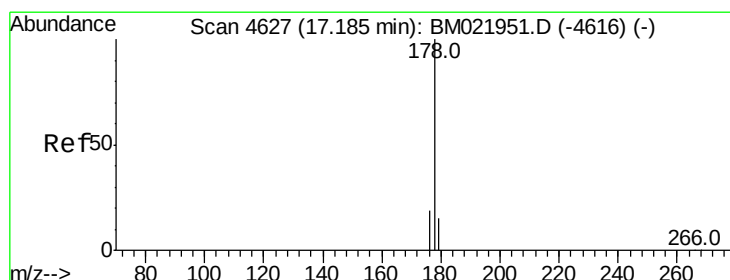
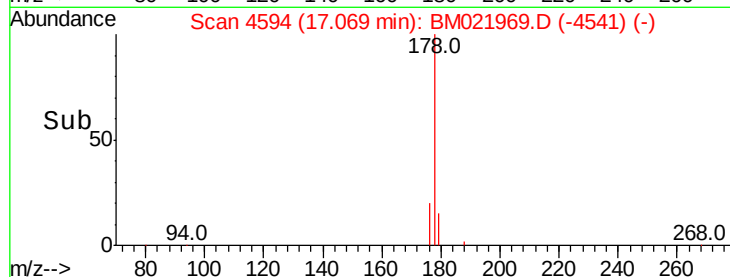
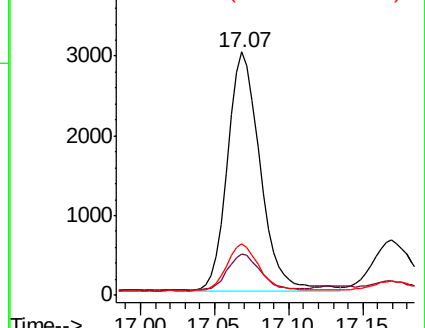
176 21.4 16.8 25.2



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: 0.102 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. -0.01 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

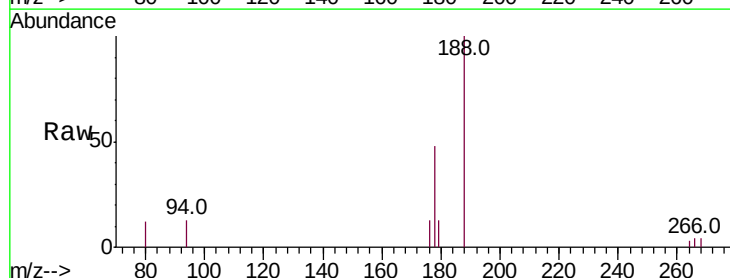
Tgt Ion:178 Resp: 1144

Ion Ratio Lower Upper

178 100

179 25.9 15.5 23.3#

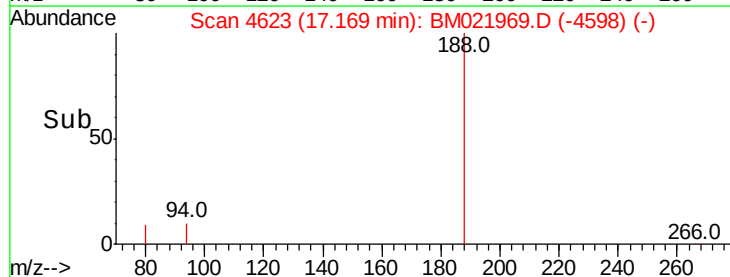
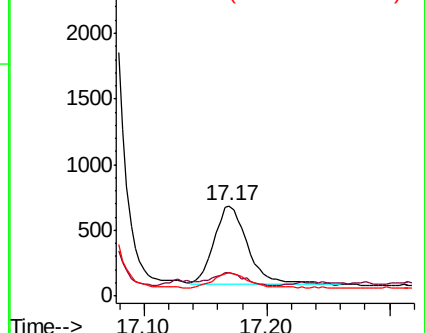
176 25.9 16.6 25.0#

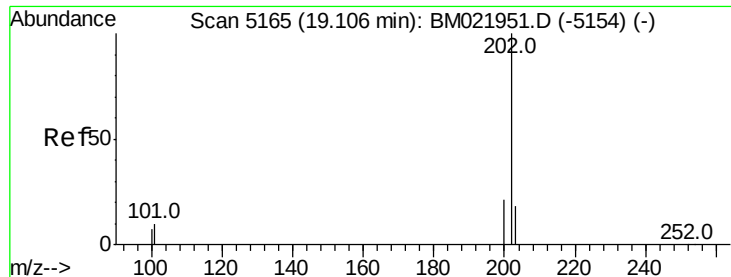


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

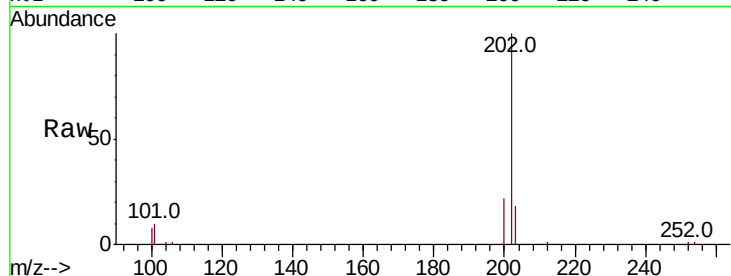




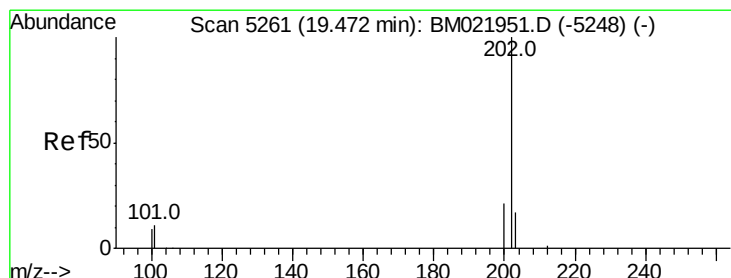
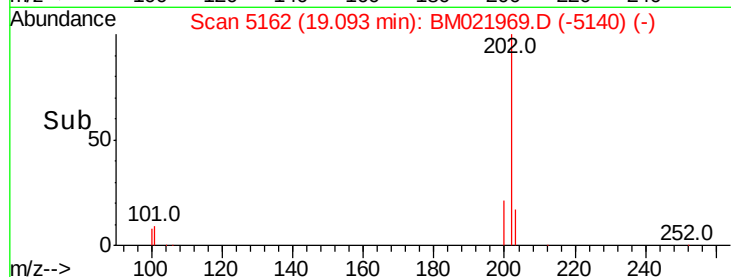
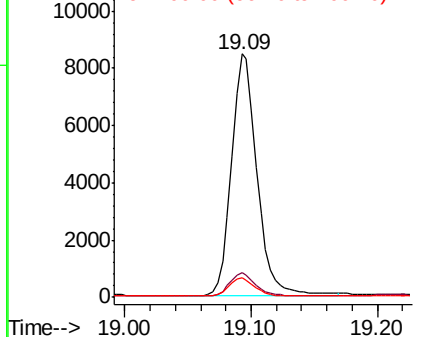
#15
 Fluoranthene
 Concen: 0.673 ng/ul
 RT: 19.09 min Scan# 5162
 Delta R.T. -0.02 min
 Lab File: BM021969.D
 Acq: 09 Aug 2019 14:11

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	30.2
100	8.1	0.0	28.1

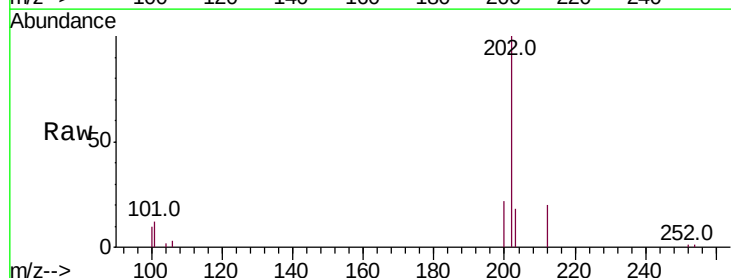


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

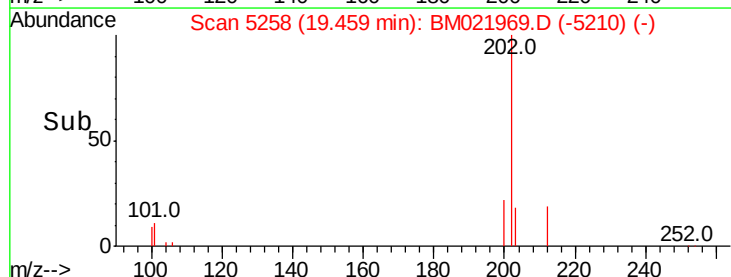
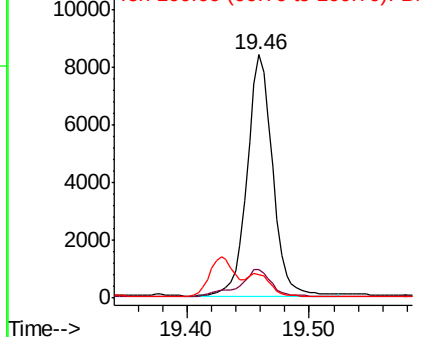


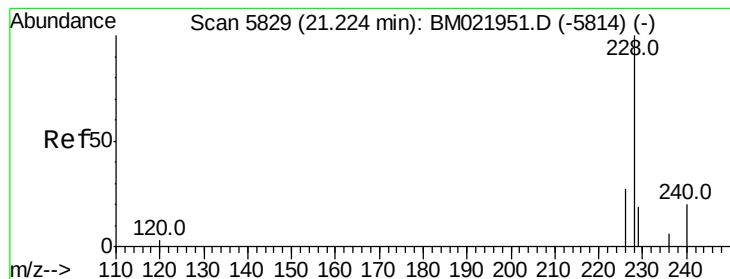
#17
 Pyrene
 Concen: 0.689 ng/ul
 RT: 19.46 min Scan# 5258
 Delta R.T. -0.02 min
 Lab File: BM021969.D
 Acq: 09 Aug 2019 14:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.3	12.5
100	9.8	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: 0.403 ng/ul

RT: 21.22 min Scan# 5827

Delta R.T. -0.01 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

Instrument :

BNA_M

ClientSampleId :

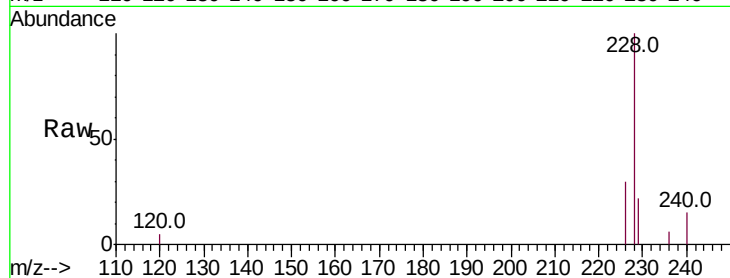
Tot Ion:228 Resp: 6171

Ion Ratio Lower Upper

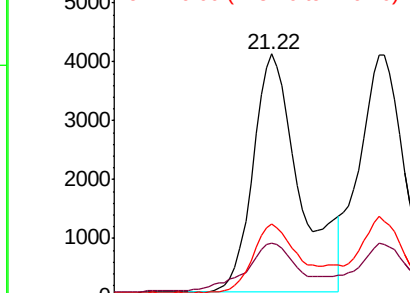
228 100

229 22.2 17.2 25.8

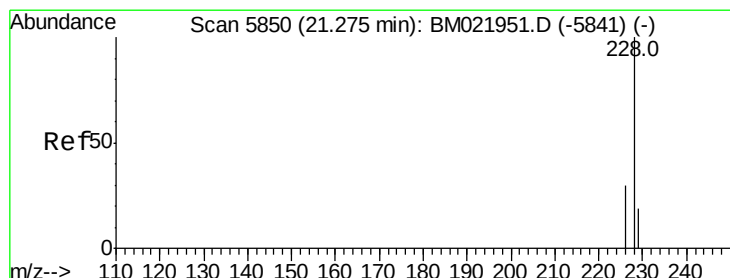
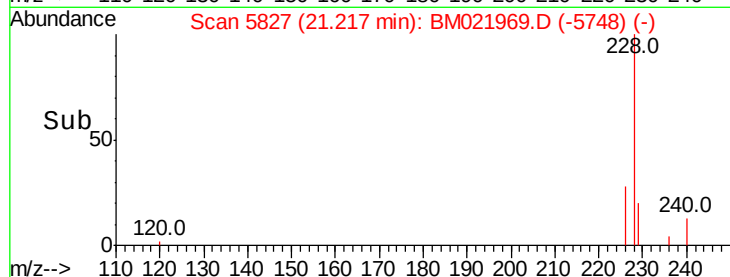
226 30.1 22.6 34.0



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



Time-->



#19

Chrysene

Concen: 0.309 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

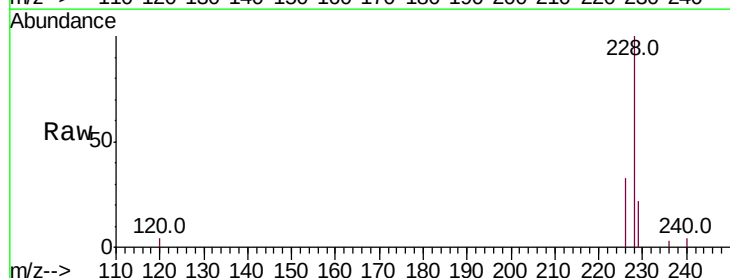
Tgt Ion:228 Resp: 6082

Ion Ratio Lower Upper

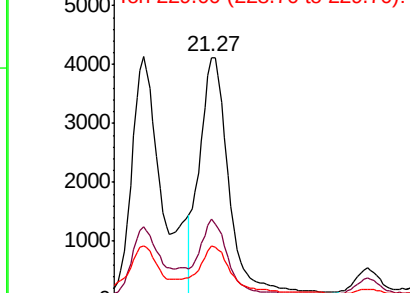
228 100

226 33.2 24.9 37.3

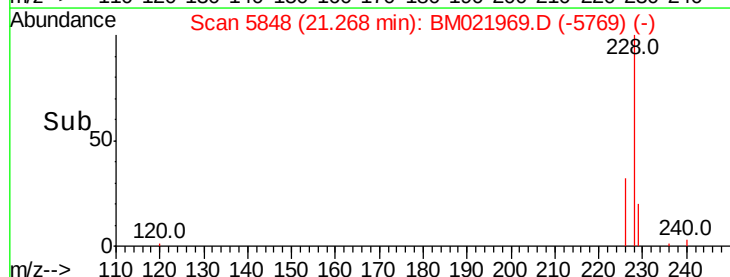
229 22.1 16.6 25.0

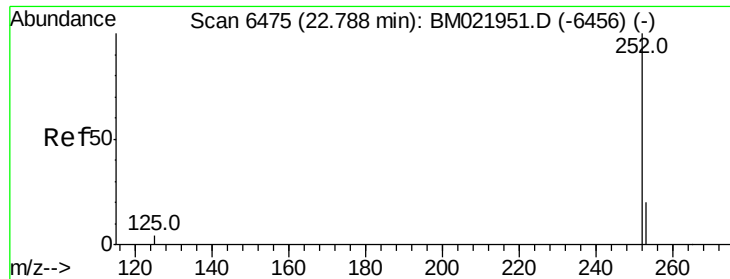


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->

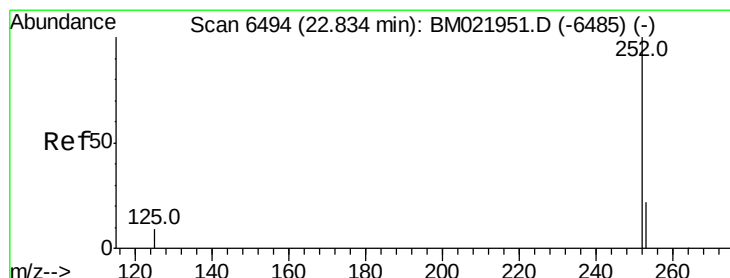
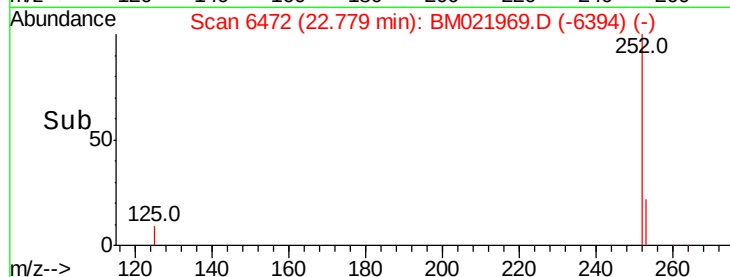
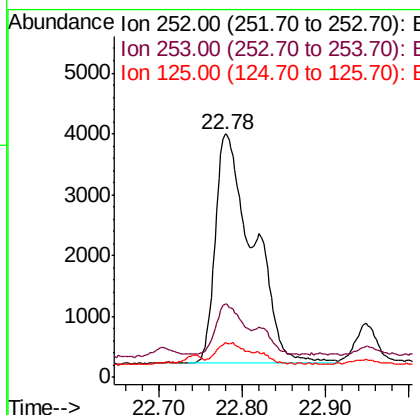
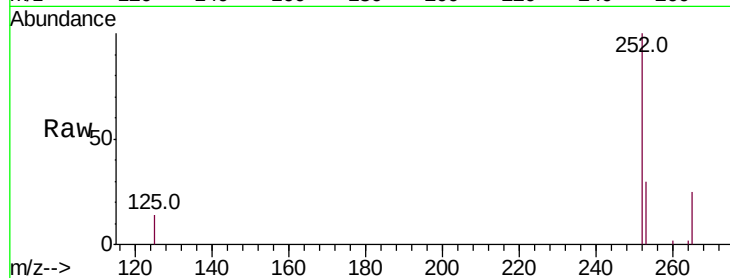




#21
Benzo(b)fluoranthene
Concen: 0.582 ng/ul
RT: 22.78 min Scan# 6472
Delta R.T. -0.01 min
Lab File: BM021969.D
Acq: 09 Aug 2019 14:11

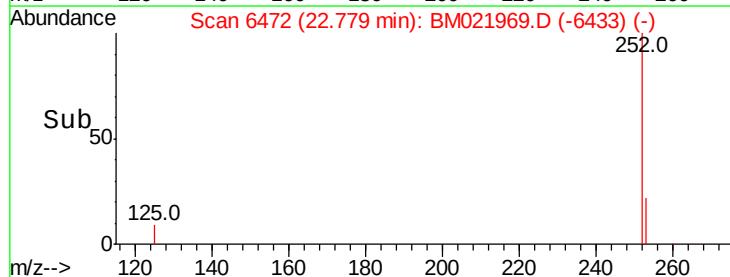
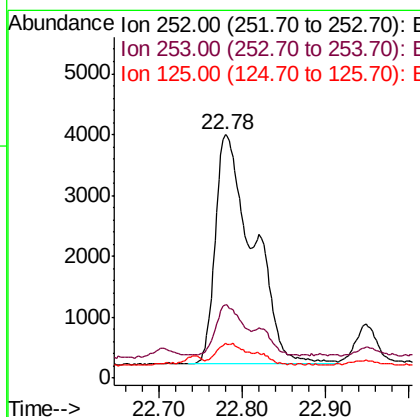
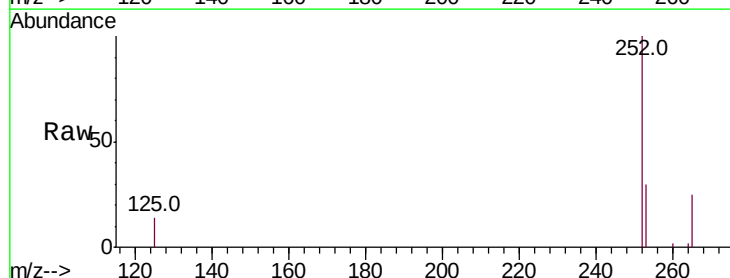
Instrument :
BNA_M
ClientSampleId :

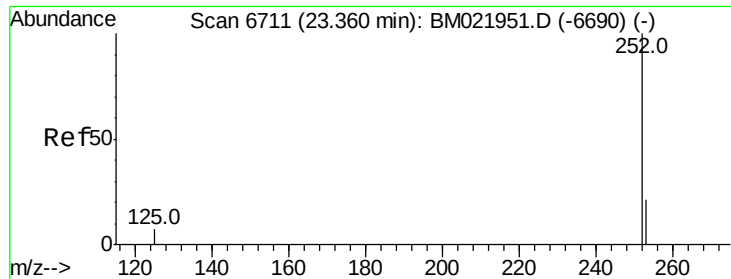
Tot Ion:252 Resp: 11858
Ion Ratio Lower Upper
252 100
253 29.9 0.0 67.4
125 14.4 0.0 31.0



#22
Benzo(k)fluoranthene
Concen: 0.514 ng/ul
RT: 22.78 min Scan# 6472
Delta R.T. -0.06 min
Lab File: BM021969.D
Acq: 09 Aug 2019 14:11

Tgt Ion:252 Resp: 11858
Ion Ratio Lower Upper
252 100
253 29.9 27.0 40.4
125 14.4 12.2 18.2





#23

Benzo(a)pyrene

Concen: 0.273 ng/ul

RT: 23.34 min Scan# 6705

Delta R.T. -0.02 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

Instrument :

BNA_M

ClientSampleId :

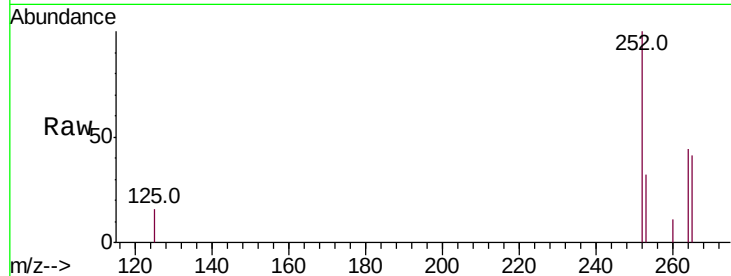
Tot Ion:252 Resp: 5661

Ion Ratio Lower Upper

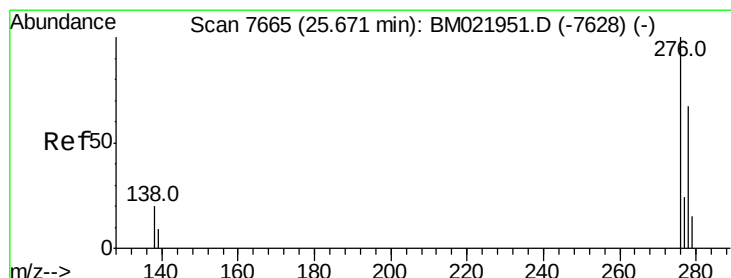
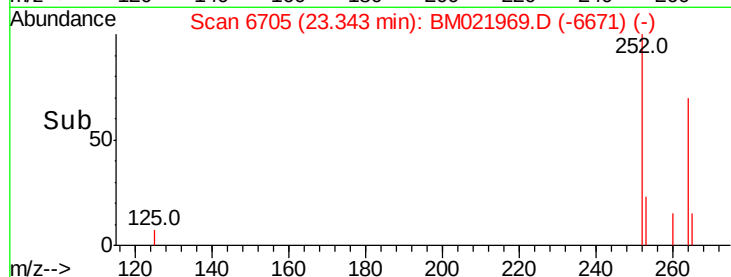
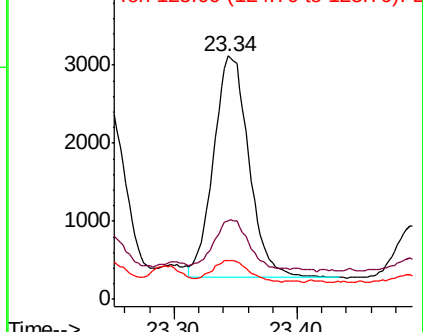
252 100

253 32.0 31.7 47.5

125 15.7 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: 0.161 ng/ul

RT: 25.66 min Scan# 7661

Delta R.T. -0.02 min

Lab File: BM021969.D

Acq: 09 Aug 2019 14:11

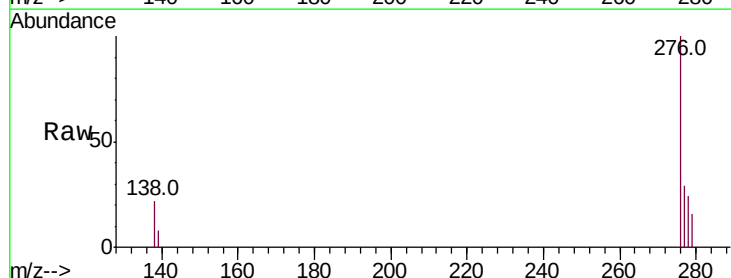
Tgt Ion:276 Resp: 3986

Ion Ratio Lower Upper

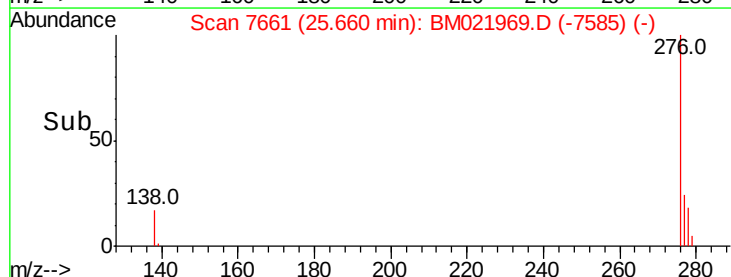
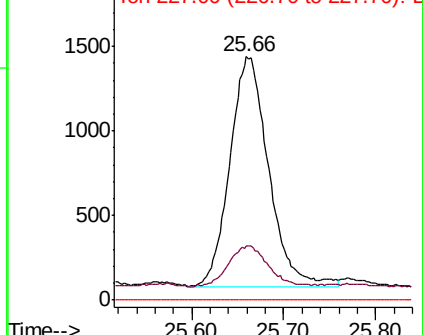
276 100

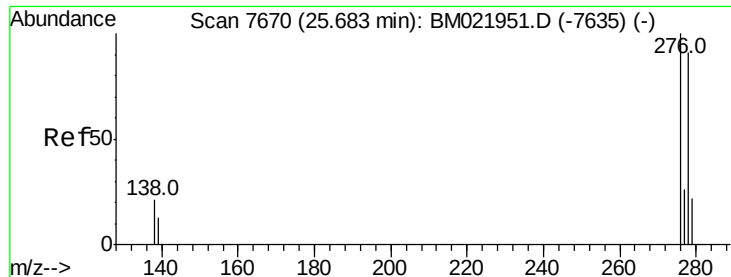
138 17.0 15.1 22.7

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

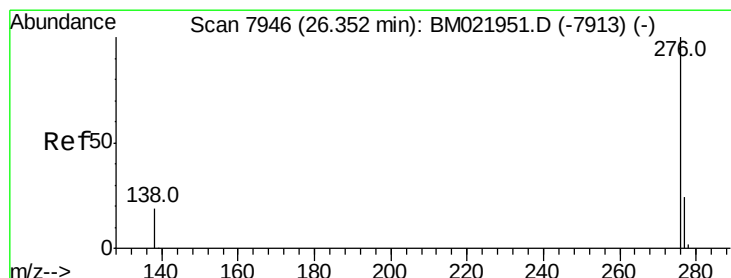
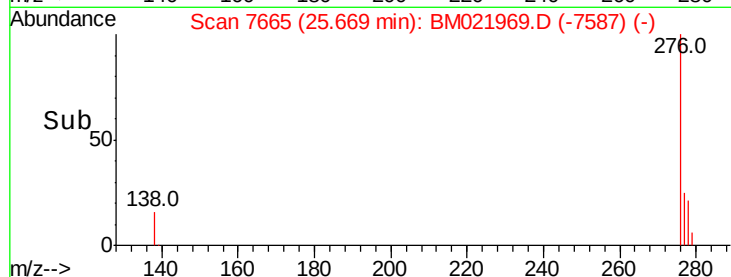
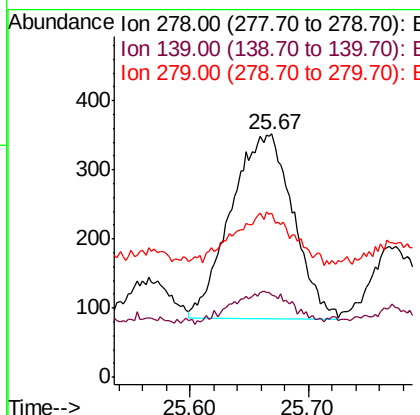
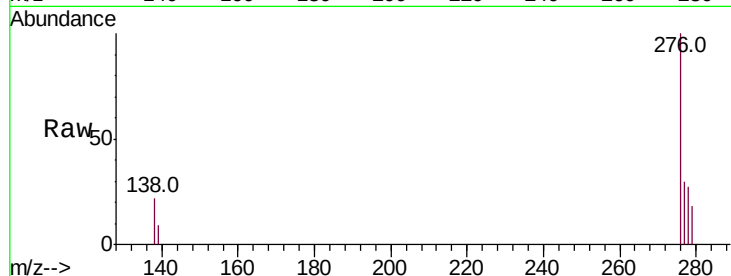




#25
Dibenzo(a,h)anthracene
Concen: 0.049 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.01 min
Lab File: BM021969.D
Acq: 09 Aug 2019 14:11

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 982
Ion Ratio Lower Upper
278 100
139 33.8 14.2 21.2#
279 67.6 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 0.152 ng/ul
RT: 26.34 min Scan# 7943
Delta R.T. -0.01 min
Lab File: BM021969.D
Acq: 09 Aug 2019 14:11

Tgt Ion:276 Resp: 3392
Ion Ratio Lower Upper
276 100
138 25.0 15.5 23.3#
277 29.2 21.4 32.2

