

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027884.D
 Acq On : 21 Nov 2020 16:54
 Operator : JU/CG
 Sample : L4711-09
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0B51

Quant Time: Nov 23 04:06:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 02:58:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	986	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	3855	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2333	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4619	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	2758	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2452	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	552	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1077	0.09	ng/ul	0.00

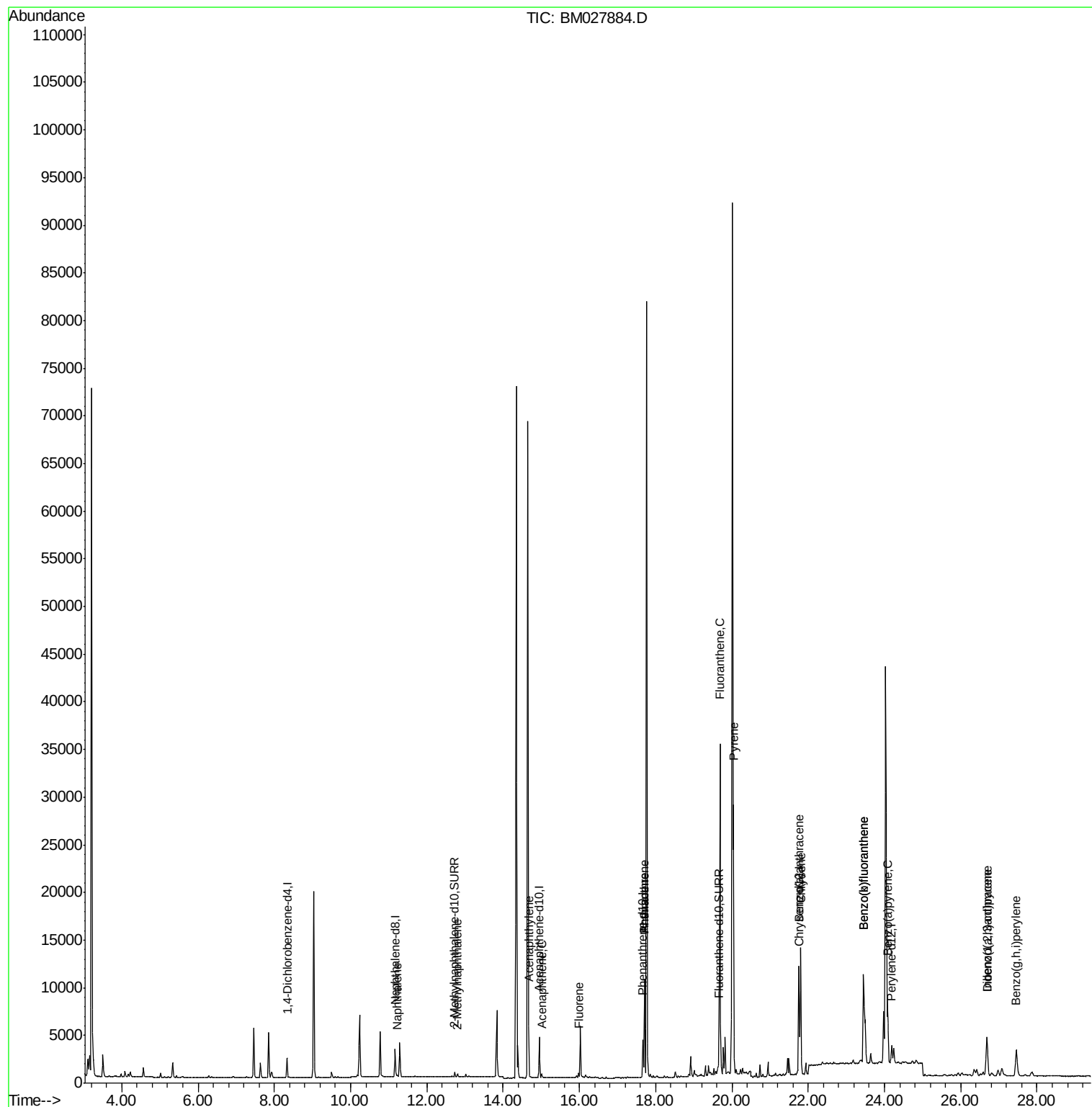
Target Compounds						Ovalue
3) Naphthalene	11.22	128	335	0.029	ng/ul#	61
5) 2-Methylnaphthalene	12.80	142	209	0.027	ng/ul	97
7) Acenaphthylene	14.68	152	356	0.031	ng/ul#	69
8) Acenaphthene	15.01	153	269	0.032	ng/ul#	95
9) Fluorene	15.98	166	301	0.030	ng/ul#	91
12) Phenanthrene	17.70	178	10759	0.737	ng/ul	98
13) Anthracene	17.70	178	7885	0.560	ng/ul	98
15) Fluoranthene	19.68	202	29440	1.820	ng/ul	99
17) Pyrene	20.04	202	23995	1.713	ng/ul	98
18) Benzo(a)anthracene	21.75	228	9389	0.844	ng/ul	97
19) Chrysene	21.81	228	13136	1.212	ng/ul	98
21) Benzo(b)fluoranthene	23.45	252	21636	2.100	ng/ul	91
22) Benzo(k)fluoranthene	23.45	252	21636	2.144	ng/ul#	92
23) Benzo(a)pyrene	24.08	252	9660	1.072	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.68	276	7203	0.738	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.69	278	1812	0.223	ng/ul#	65
26) Benzo(a,h,i)perylene	27.45	276	6120	0.748	ng/ul	99

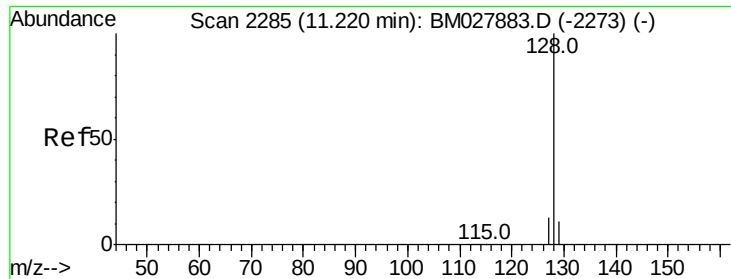
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.029 ng/ul

RT: 11.22 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51

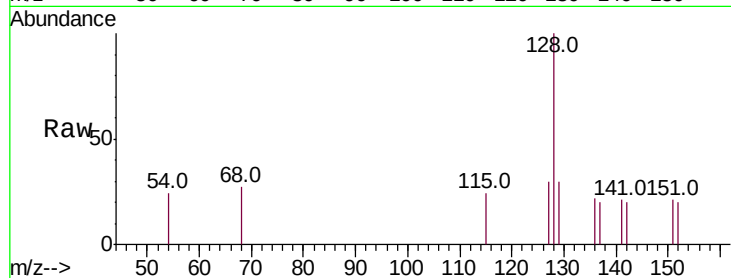
Tot Ion:128 Resp: 335

Ion Ratio Lower Upper

128 100

129 29.8 10.4 15.6#

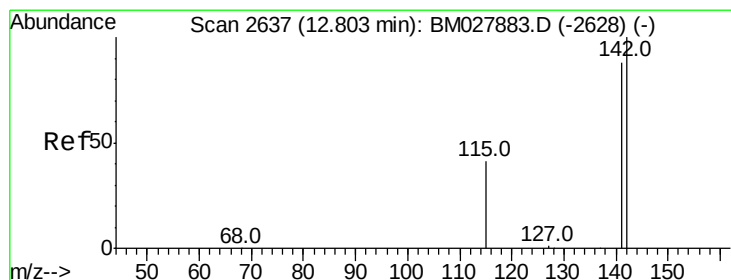
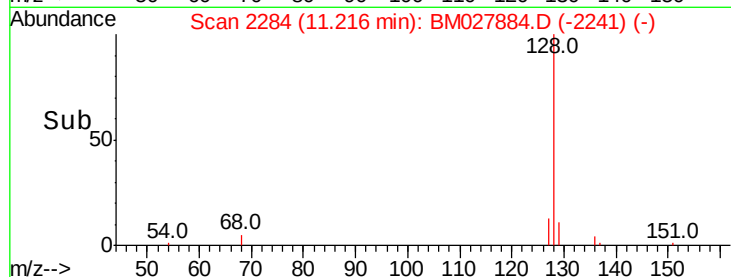
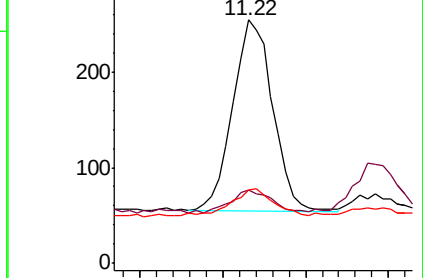
127 29.8 12.0 18.0#



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: 0.027 ng/ul

RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM027884.D

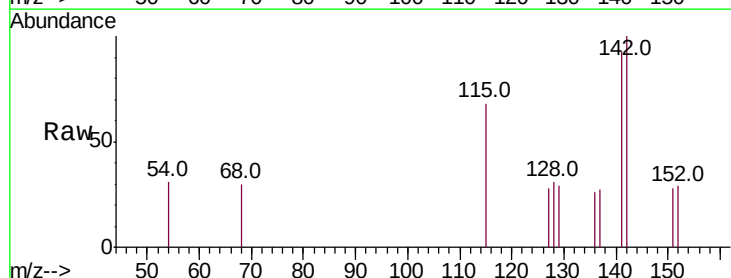
Acq: 21 Nov 2020 16:54

Tgt Ion:142 Resp: 209

Ion Ratio Lower Upper

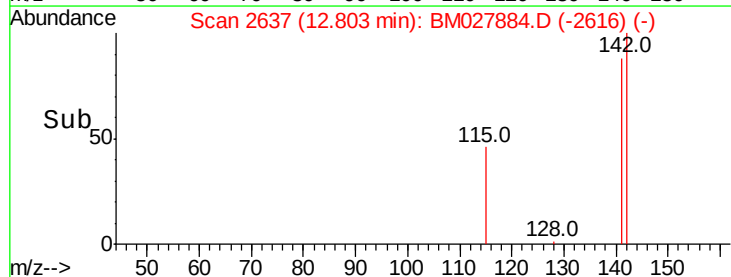
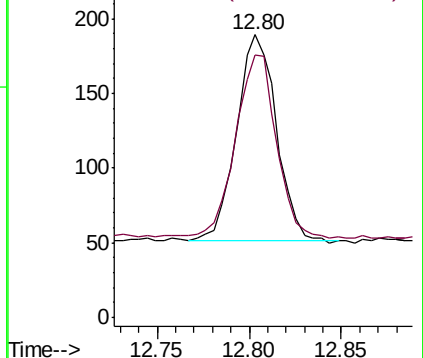
142 100

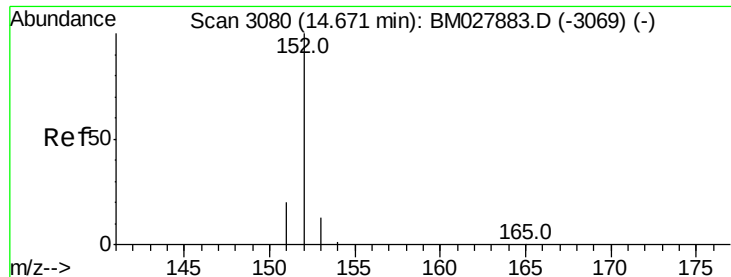
141 91.9 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.031 ng/ul

RT: 14.68 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51

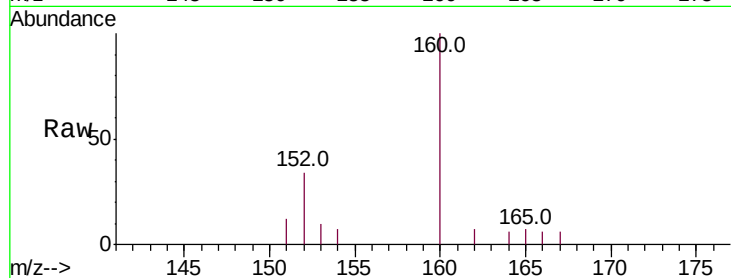
Tot Ion:152 Resp: 356

Ion Ratio Lower Upper

152 100

151 34.8 17.1 25.7#

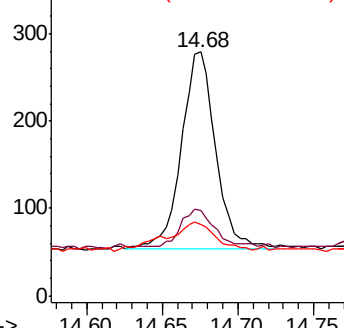
153 29.0 12.0 18.0#



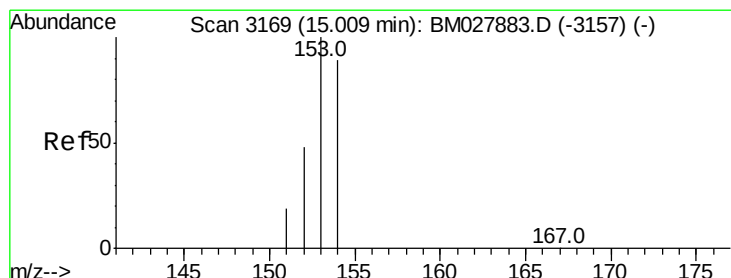
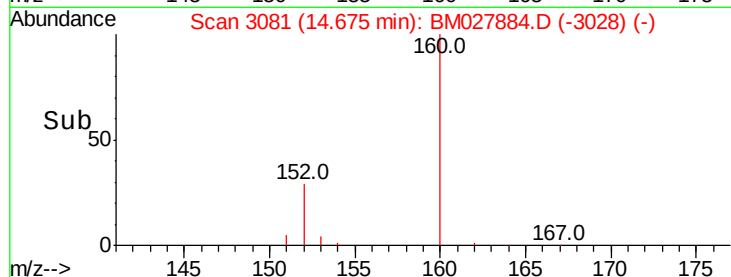
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#8

Acenaphthene

Concen: 0.032 ng/ul

RT: 15.01 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

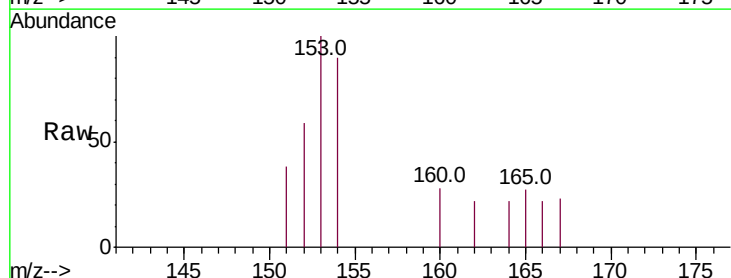
Tgt Ion:153 Resp: 269

Ion Ratio Lower Upper

153 100

152 58.7 39.0 58.6#

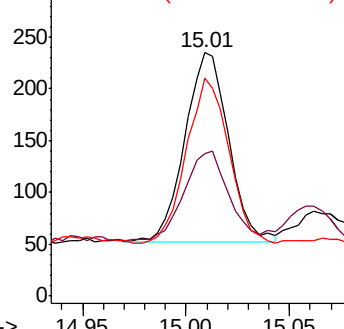
154 89.8 71.6 107.4



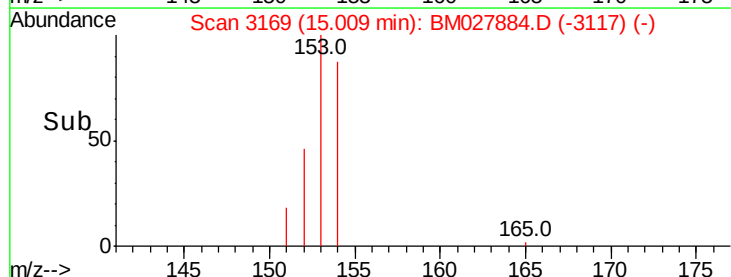
Abundance Ion 153.00 (152.70 to 153.70): E

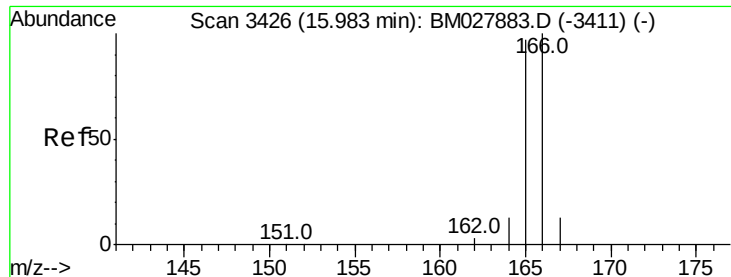
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.030 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51

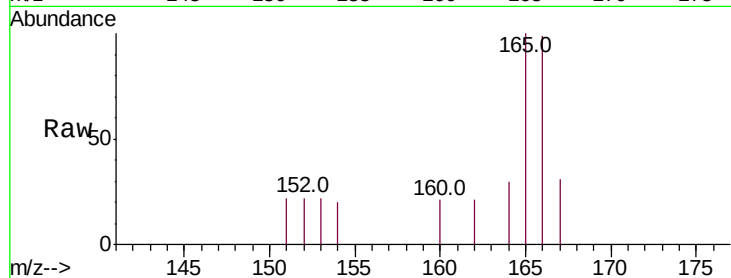
Tot Ion:166 Resp: 301

Ion Ratio Lower Upper

166 100

165 101.5 78.1 117.1

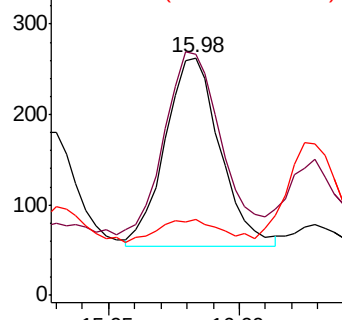
167 31.9 11.8 17.8#



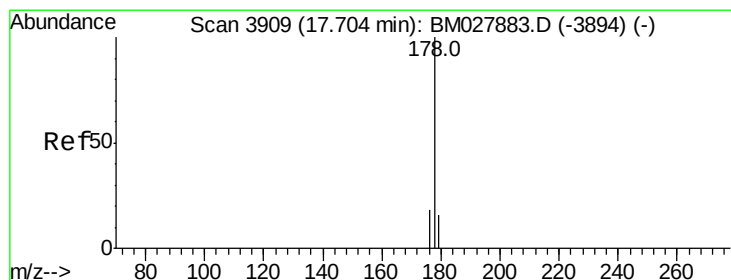
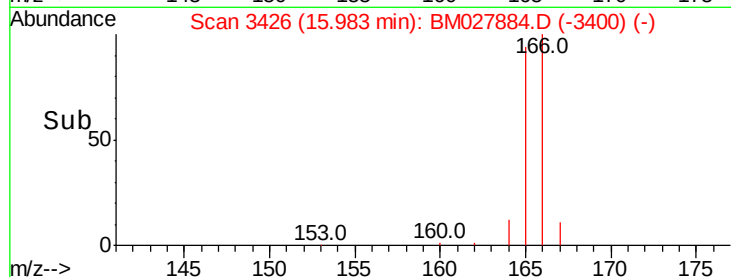
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.737 ng/ul

RT: 17.70 min Scan# 3909

Delta R.T. -0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

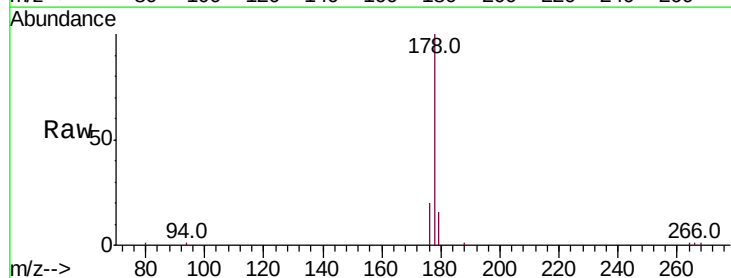
Tgt Ion:178 Resp: 10759

Ion Ratio Lower Upper

178 100

179 16.0 13.6 20.4

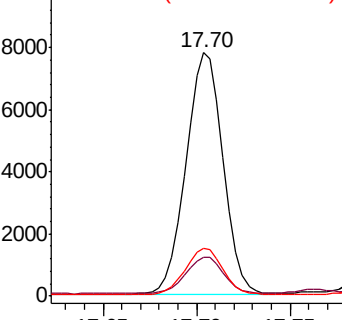
176 19.5 16.1 24.1



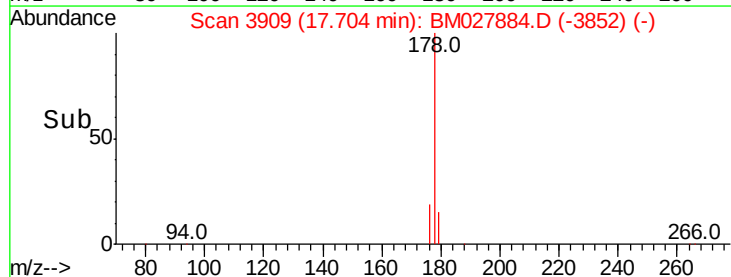
Abundance Ion 178.00 (177.70 to 178.70): E

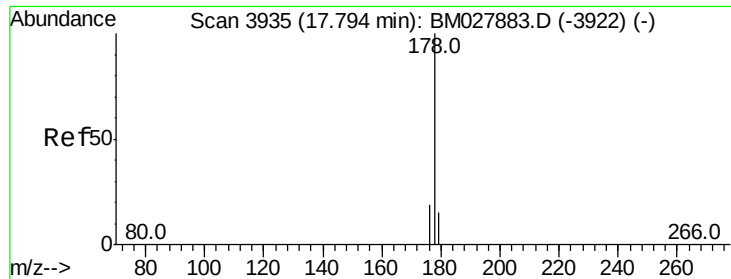
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.560 ng/ul

RT: 17.70 min Scan# 3909

Delta R.T. -0.09 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51

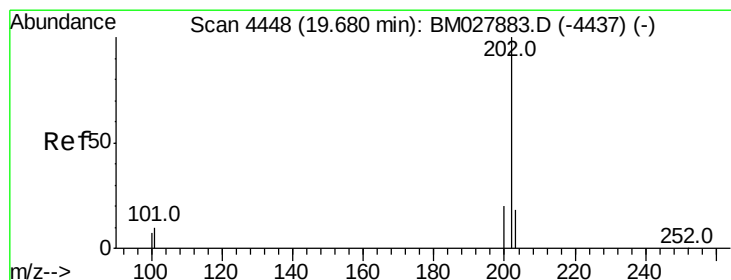
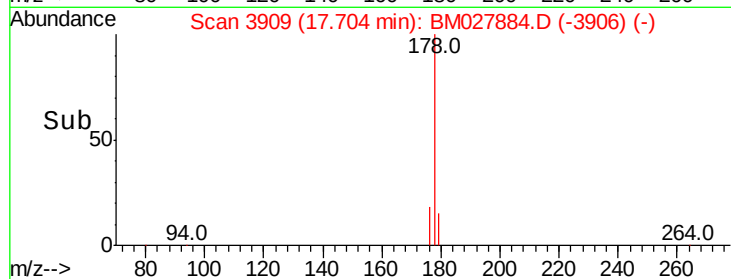
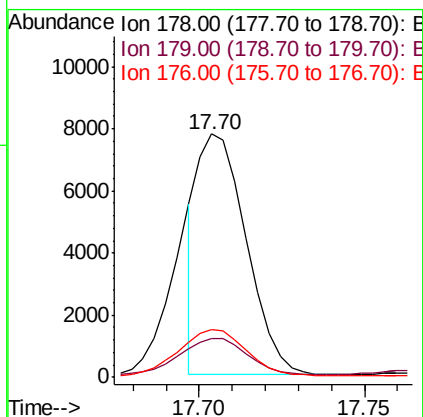
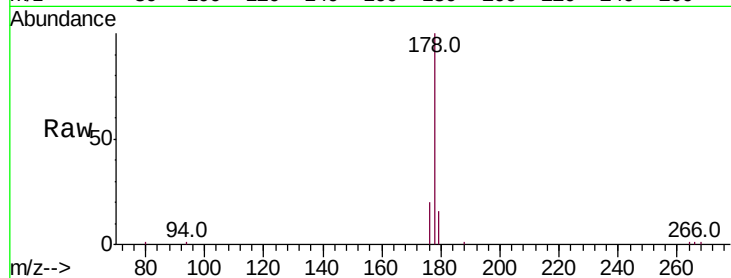
Tot Ion:178 Resp: 7885

Ion Ratio Lower Upper

178 100

179 16.0 13.4 20.2

176 19.5 15.0 22.6



#15

Fluoranthene

Concen: 1.820 ng/ul

RT: 19.68 min Scan# 4449

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

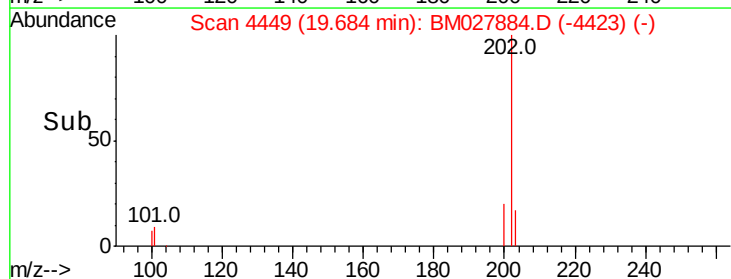
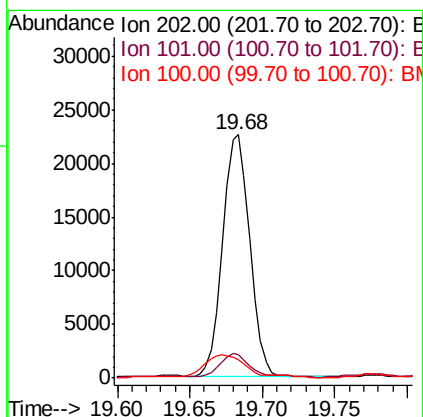
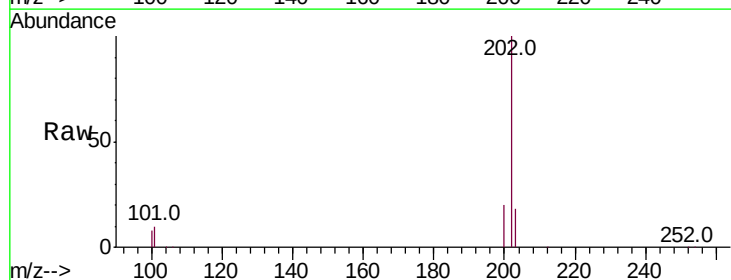
Tgt Ion:202 Resp: 29440

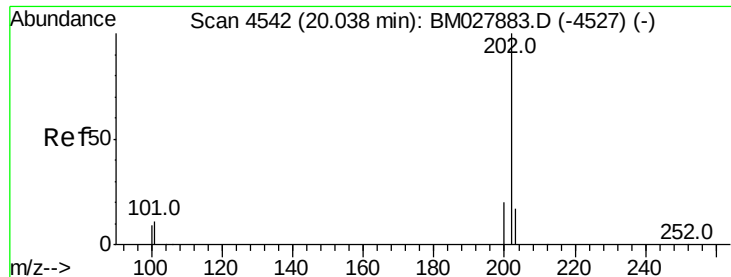
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.3

100 7.6 0.0 27.4





#17

Pvrene

Concen: 1.713 ng/ul

RT: 20.04 min Scan# 4543

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51

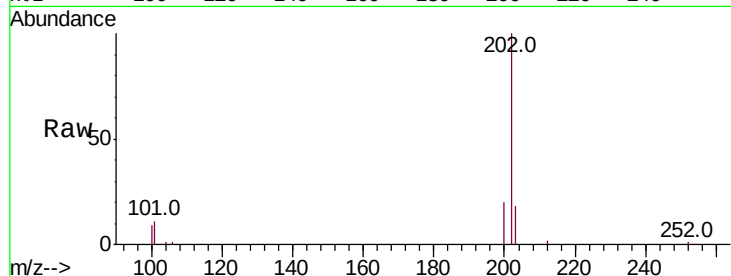
Tot Ion:202 Resp: 23995

Ion Ratio Lower Upper

202 100

101 11.0 8.2 12.2

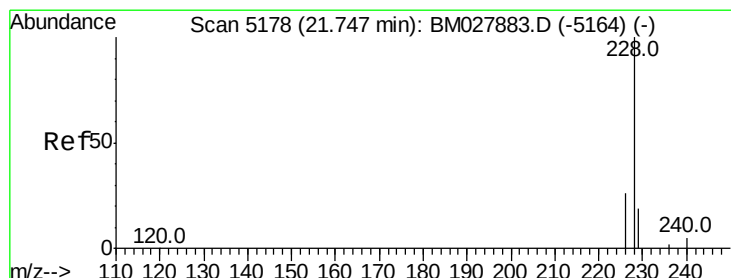
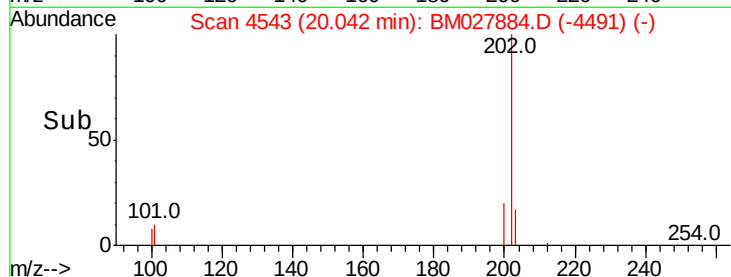
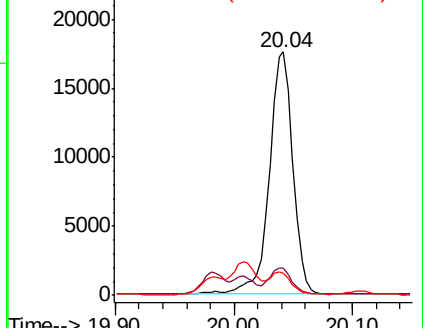
100 8.9 6.9 10.3



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: 0.844 ng/ul

RT: 21.75 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

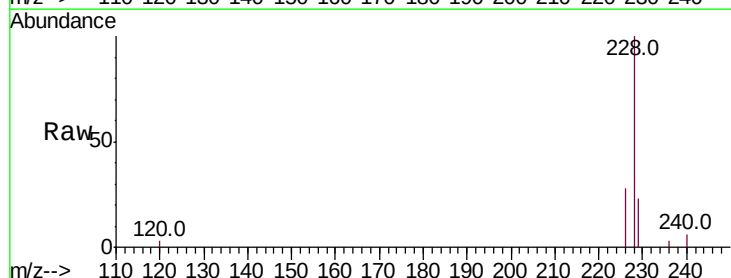
Tgt Ion:228 Resp: 9389

Ion Ratio Lower Upper

228 100

229 22.7 16.2 24.4

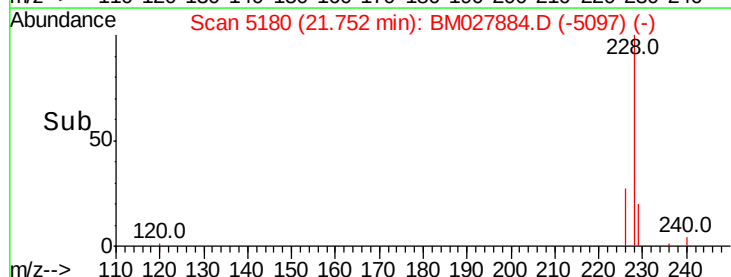
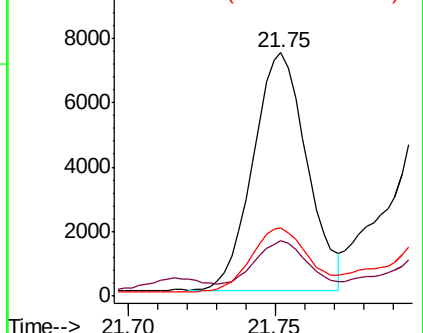
226 27.9 21.5 32.3

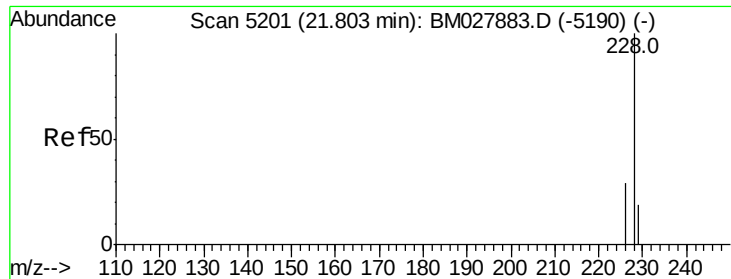


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.212 ng/ul

RT: 21.81 min Scan# 5202

Delta R.T. -0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

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C0B51

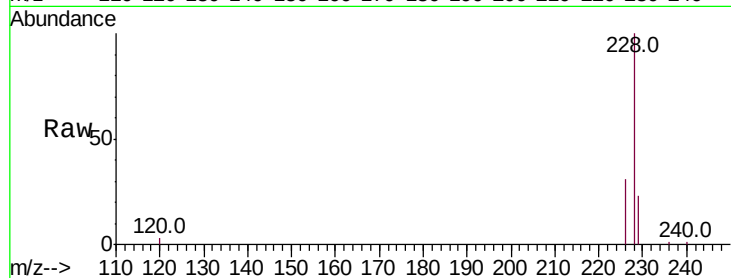
Tot Ion:228 Resp: 13136

Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

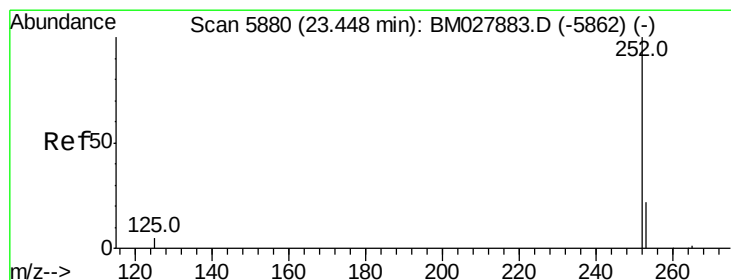
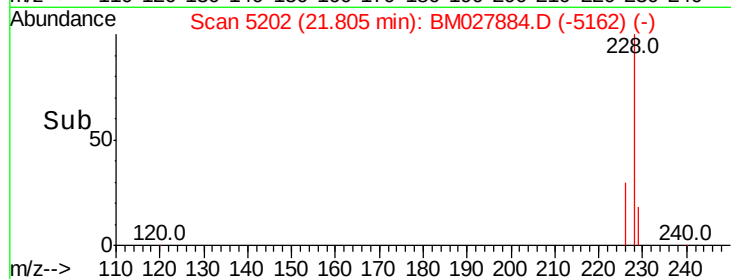
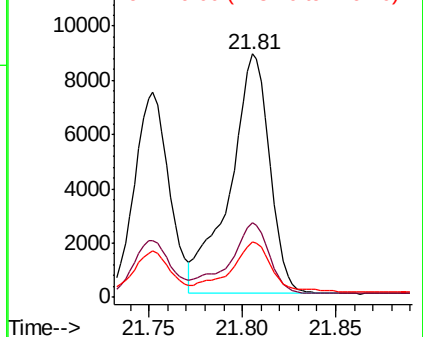
229 22.5 16.6 24.8



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: 2.100 ng/ul

RT: 23.45 min Scan# 5882

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

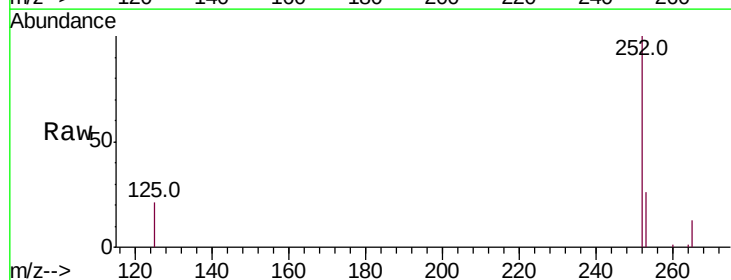
Tgt Ion:252 Resp: 21636

Ion Ratio Lower Upper

252 100

253 26.4 0.0 59.6

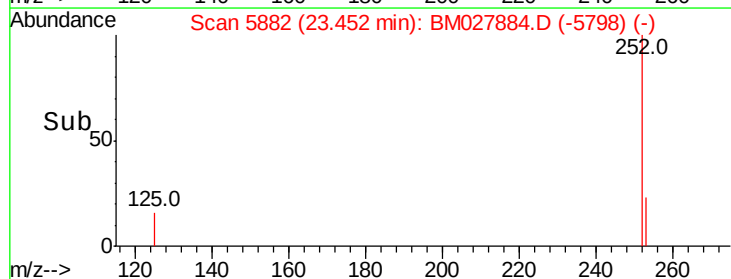
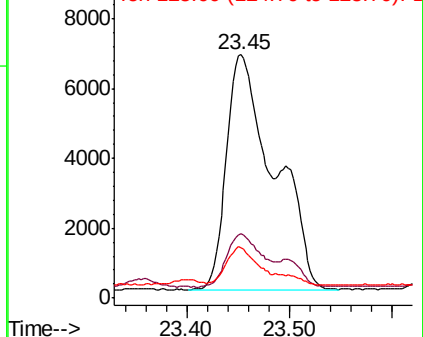
125 20.7 0.0 28.4

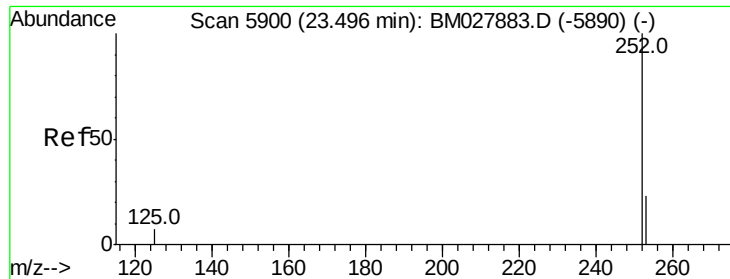


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.144 ng/ul

RT: 23.45 min Scan# 5882

Delta R.T. -0.05 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51

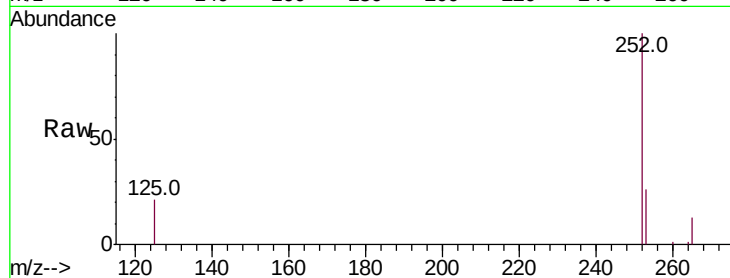
Tot Ion:252 Resp: 21636

Ion Ratio Lower Upper

252 100

253 26.4 23.2 34.8

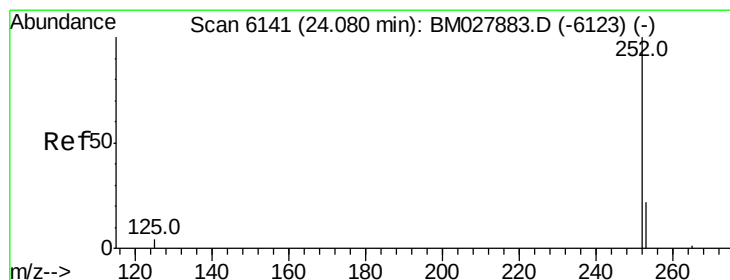
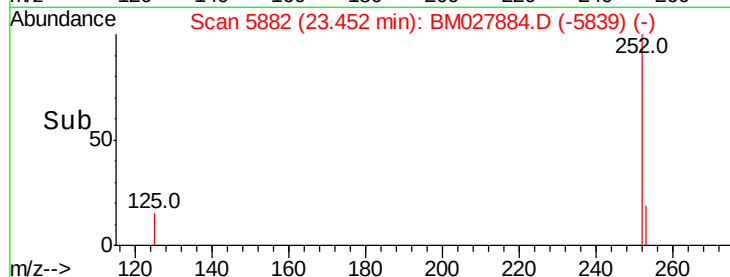
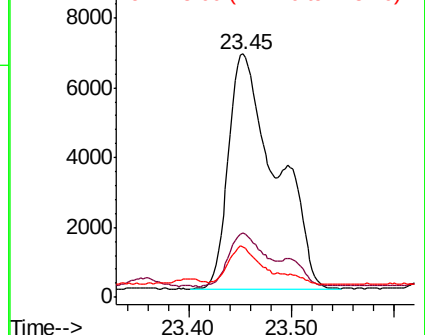
125 20.7 11.8 17.6#



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: 1.072 ng/ul

RT: 24.08 min Scan# 6141

Delta R.T. 0.00 min

Lab File: BM027884.D

Acq: 21 Nov 2020 16:54

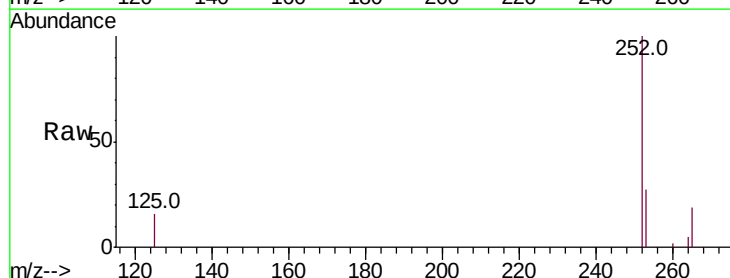
Tgt Ion:252 Resp: 9660

Ion Ratio Lower Upper

252 100

253 26.7 25.2 37.8

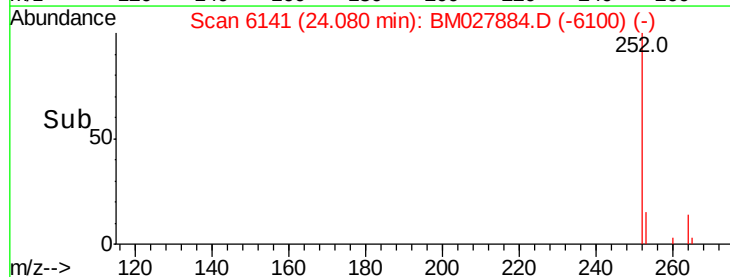
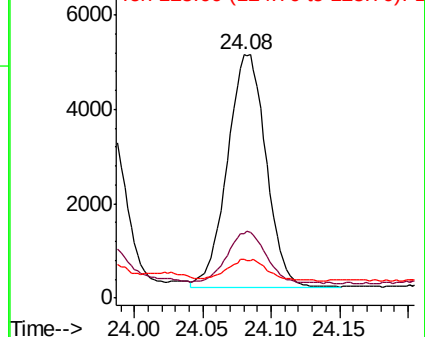
125 16.0 13.8 20.6

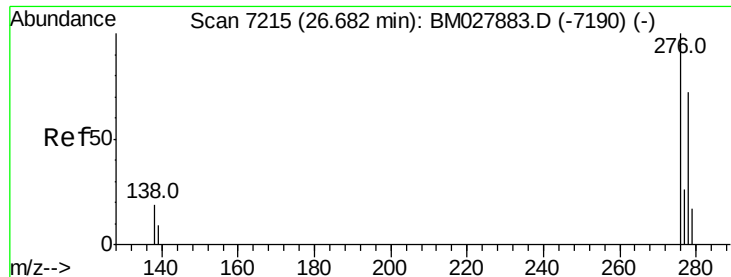


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



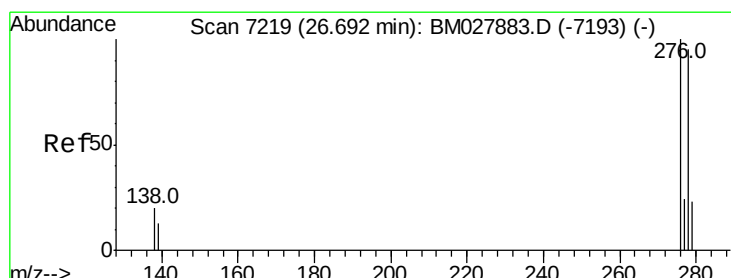
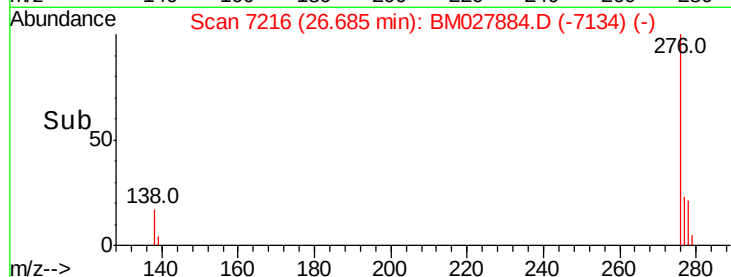
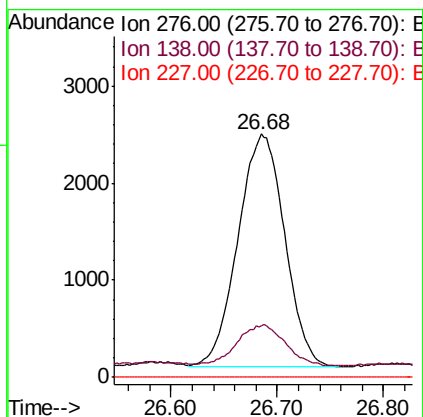
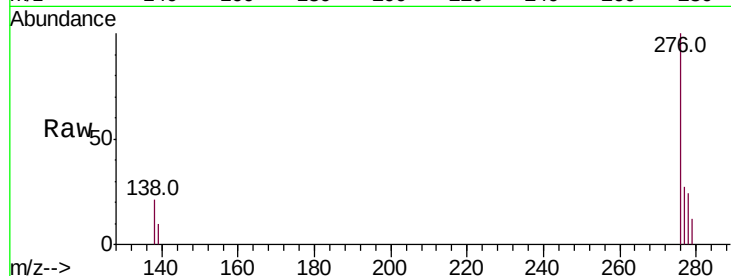


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.738 ng/ul
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027884.D
Acq: 21 Nov 2020 16:54

Instrument :
BNA_M
ClientSampleId :
C0B51

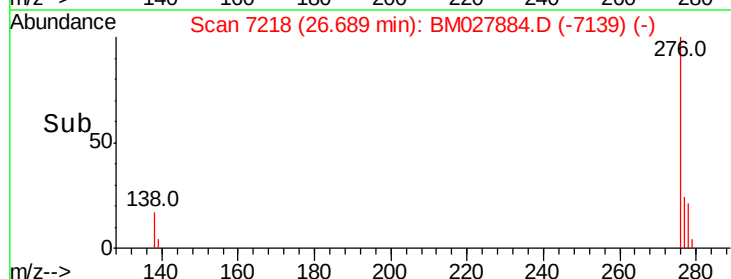
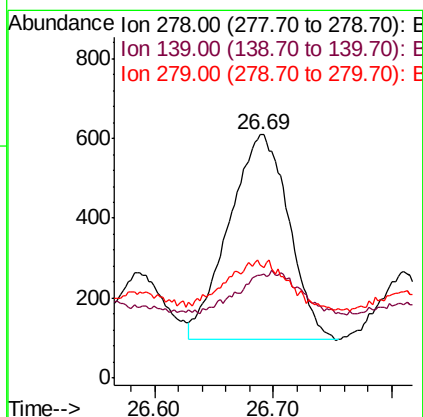
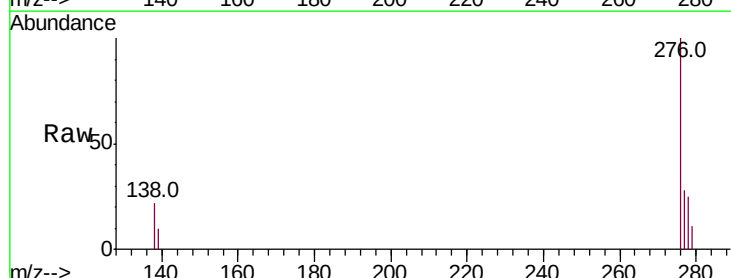
Tot Ion:276 Resp: 7203
Ion Ratio Lower Upper
276 100
138 18.2 15.7 23.5
227 0.0 0.0 0.0

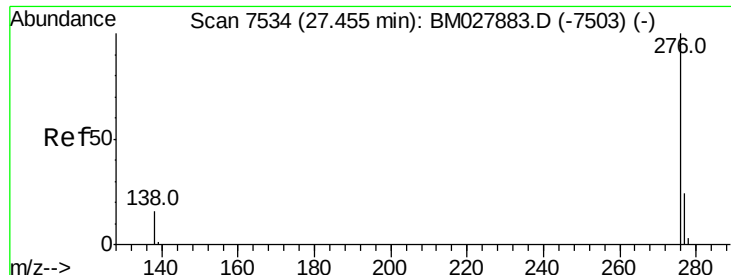


#25

Dibenzo(a,h)anthracene
Concen: 0.223 ng/ul
RT: 26.69 min Scan# 7218
Delta R.T. -0.01 min
Lab File: BM027884.D
Acq: 21 Nov 2020 16:54

Tgt Ion:278 Resp: 1812
Ion Ratio Lower Upper
278 100
139 42.0 14.8 22.2#
279 46.3 25.8 38.6#





#26

Benzo(a,h,i)perylene

Concen: 0.748 ng/ul

RT: 27.45 min Scan# 7534

Delta R.T. -0.01 min

Lab File: BM027884.D

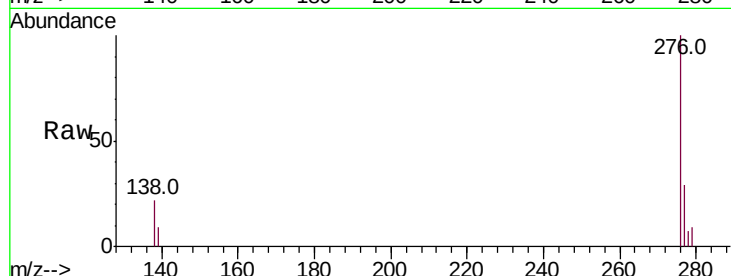
Acq: 21 Nov 2020 16:54

Instrument :

BNA_M

ClientSampleId :

C0B51



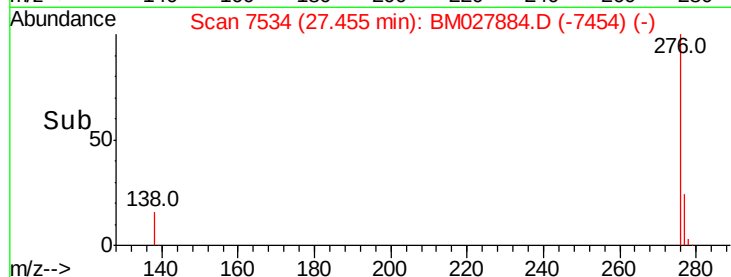
Tot Ion:276 Resp: 6120

Ion Ratio Lower Upper

276 100

138 21.7 17.4 26.2

277 28.6 22.5 33.7



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

