

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027880.D
 Acq On : 21 Nov 2020 14:21
 Operator : JU/CG
 Sample : L4854-01DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0DL

Quant Time: Nov 23 03:00:07 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	1084	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	4389	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	2719	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	5218	0.40	ng/ul	0.00
16) Chrysene-d12	21.77	240	3276	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	2696	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	215	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	319	0.02	ng/ul	0.00

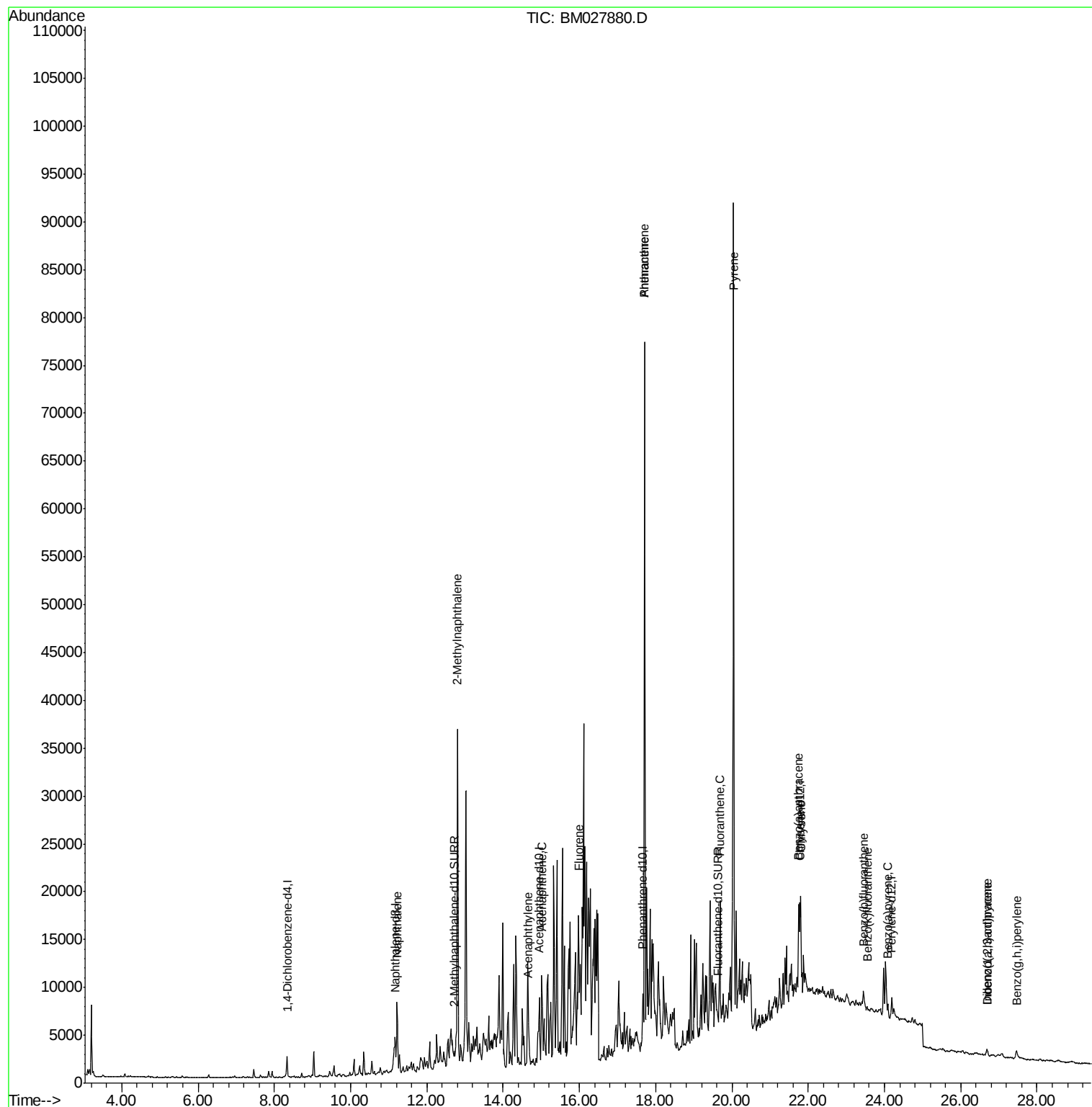
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	8664	0.659	ng/ul#	96
5) 2-Methylnaphthalene	12.81	142	23273	2.601	ng/ul	99
7) Acenaphthylene	14.67	152	2132	0.161	ng/ul#	1
8) Acenaphthene	15.01	153	5560	0.559	ng/ul#	85
9) Fluorene	15.98	166	7742	0.671	ng/ul#	90
12) Phenanthrene	17.71	178	75578	4.585	ng/ul	98
13) Anthracene	17.71	178	59131	3.719	ng/ul	99
15) Fluoranthene	19.68	202	11837	0.648	ng/ul	91
17) Pyrene	20.04	202	68811	4.136	ng/ul	97
18) Benzo(a)anthracene	21.75	228	5896	0.446	ng/ul#	20
19) Chrysene	21.81	228	7741	0.601	ng/ul#	56
21) Benzo(b)fluoranthene	23.45	252	3361	0.297	ng/ul#	1
22) Benzo(k)fluoranthene	23.54	252	288	0.026	ng/ul#	1
23) Benzo(a)pyrene	24.08	252	2368	0.239	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	26.68	276	1149	0.107	ng/ul#	57
25) Dibenzo(a,h)anthracene	26.68	278	604	0.068	ng/ul#	1
26) Benzo(a,h,i)perylene	27.46	276	2036	0.226	ng/ul#	47

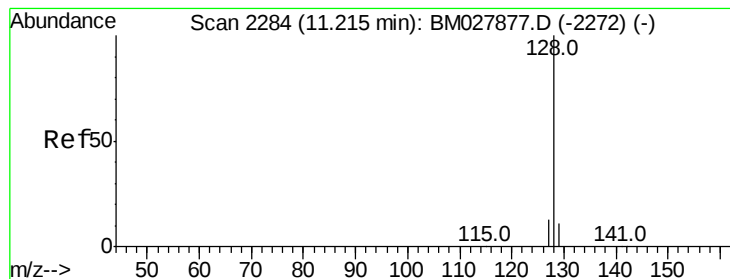
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.659 ng/ul

RT: 11.22 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

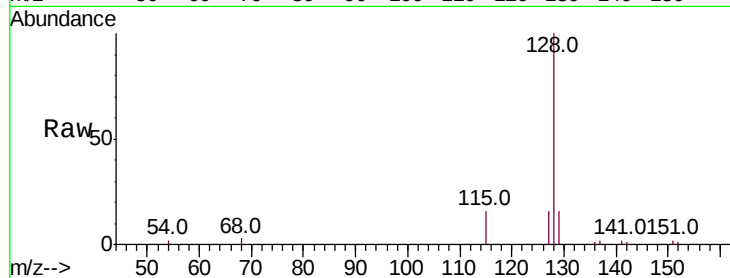
Tot Ion:128 Resp: 8664

Ion Ratio Lower Upper

128 100

129 15.9 10.4 15.6#

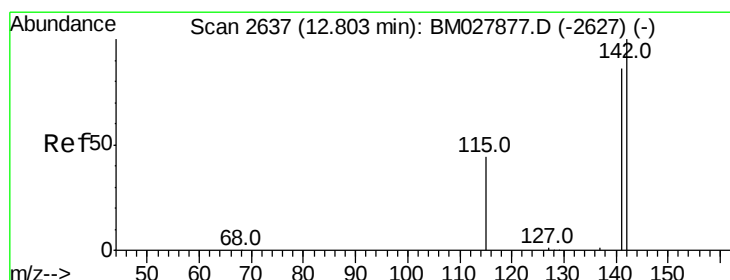
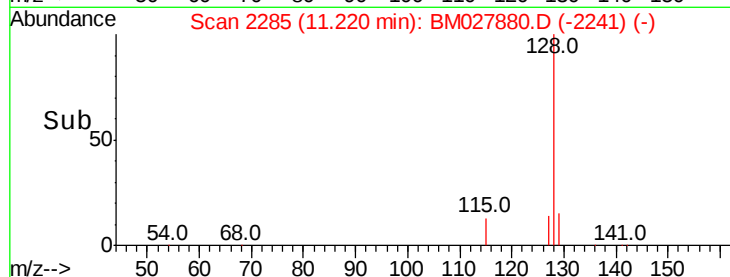
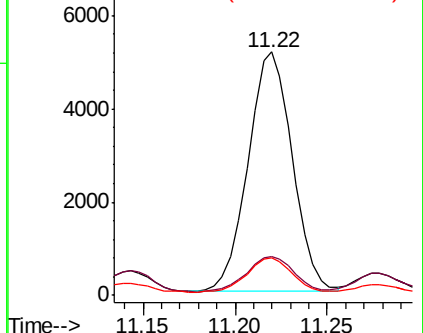
127 15.6 12.0 18.0



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: 2.601 ng/ul

RT: 12.81 min Scan# 2638

Delta R.T. -0.00 min

Lab File: BM027880.D

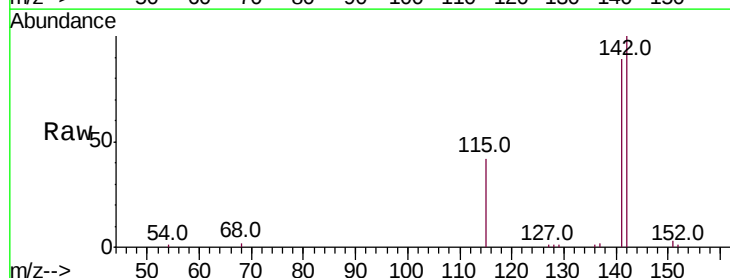
Acq: 21 Nov 2020 14:21

Tgt Ion:142 Resp: 23273

Ion Ratio Lower Upper

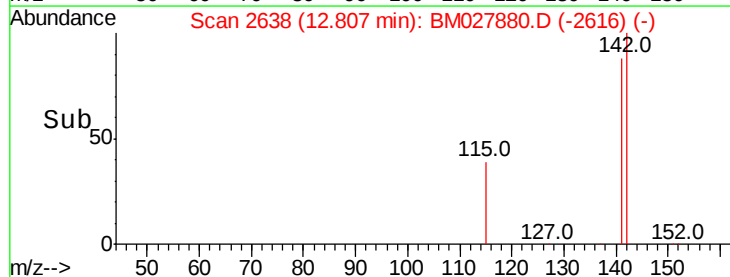
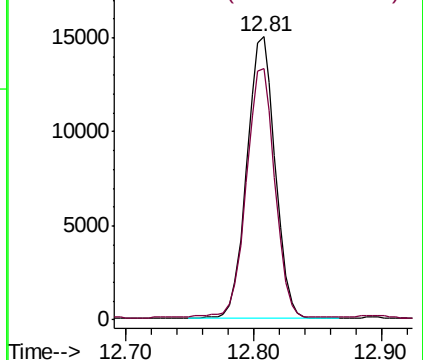
142 100

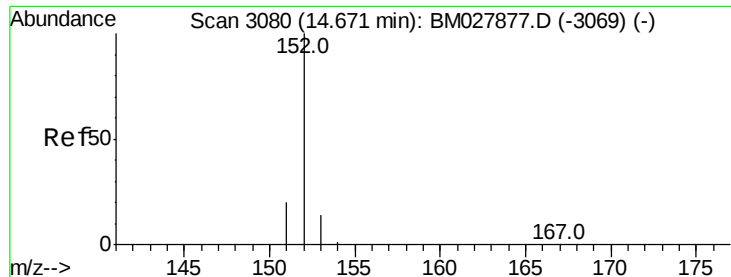
141 89.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.161 ng/ul

RT: 14.67 min Scan# 3080

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

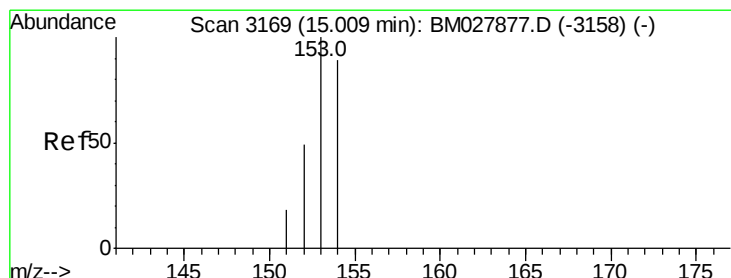
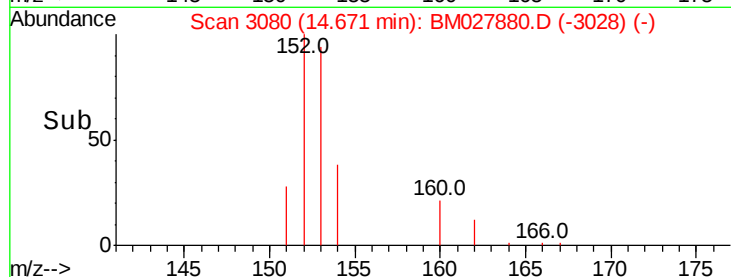
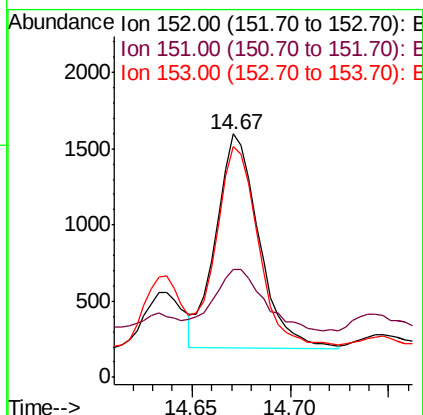
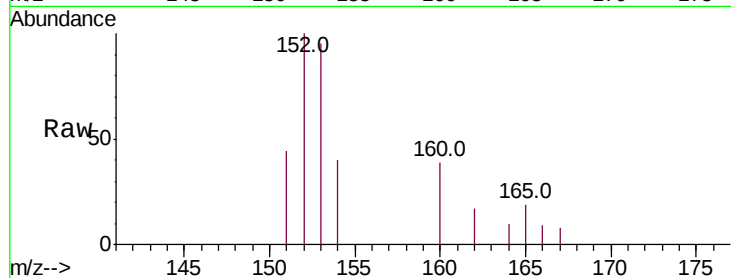
Tot Ion:152 Resp: 2132

Ion Ratio Lower Upper

152 100

151 44.5 17.1 25.7#

153 94.7 12.0 18.0#



#8

Acenaphthene

Concen: 0.559 ng/ul

RT: 15.01 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

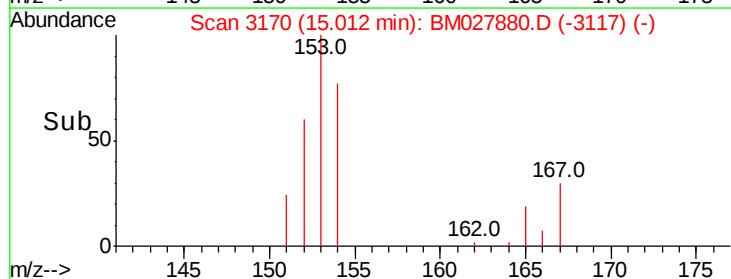
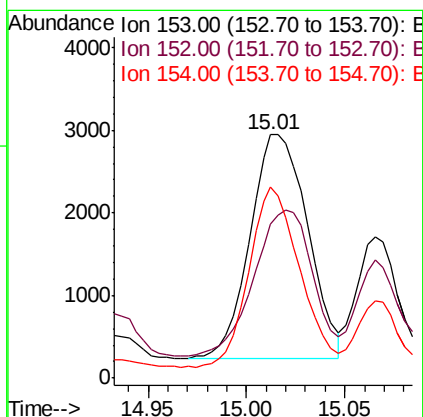
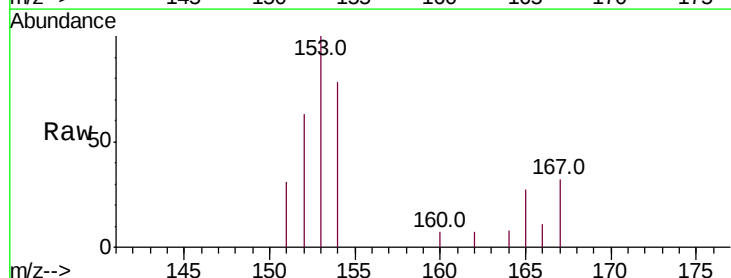
Tgt Ion:153 Resp: 5560

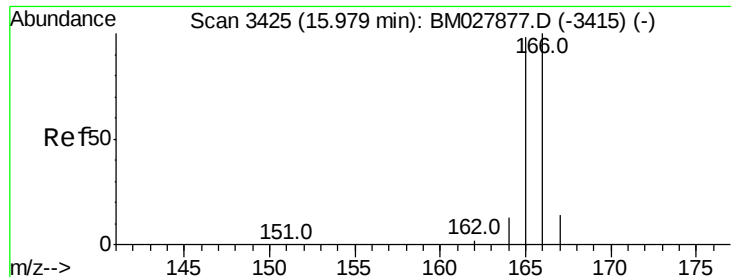
Ion Ratio Lower Upper

153 100

152 63.2 39.0 58.6#

154 78.4 71.6 107.4





#9

Fluorene

Concen: 0.671 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

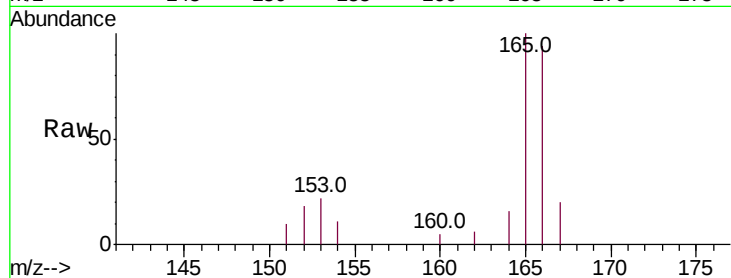
Tot Ion:166 Resp: 7742

Ion Ratio Lower Upper

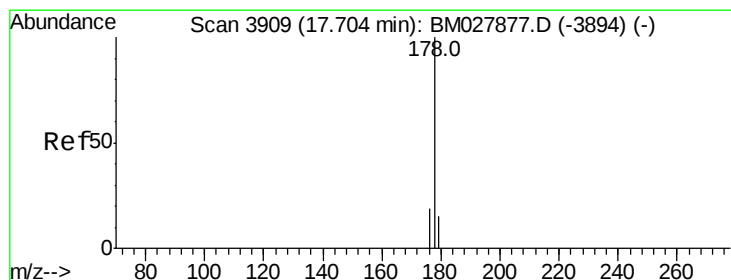
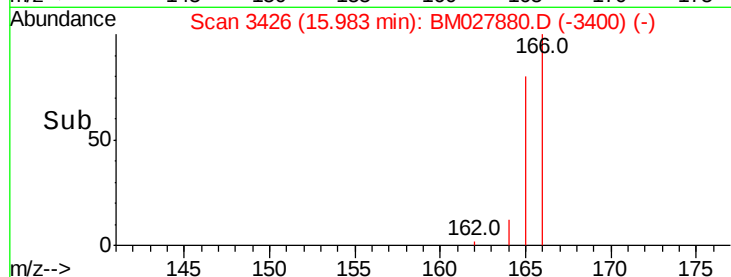
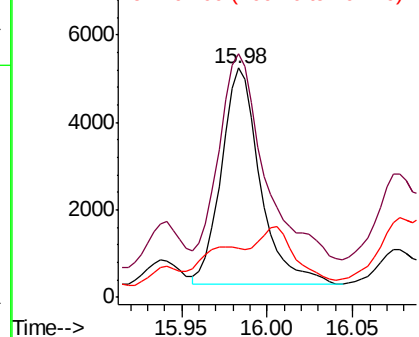
166 100

165 106.2 78.1 117.1

167 21.5 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



#12

Phenanthrene

Concen: 4.585 ng/ul

RT: 17.71 min Scan# 3910

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

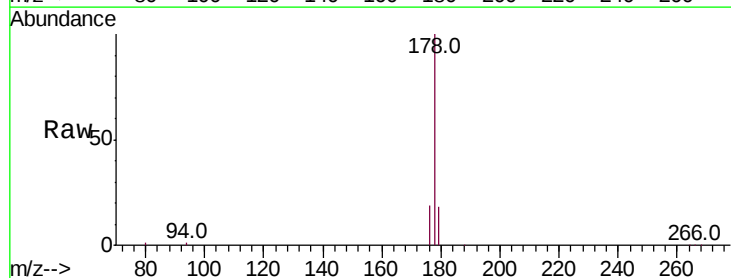
Tgt Ion:178 Resp: 75578

Ion Ratio Lower Upper

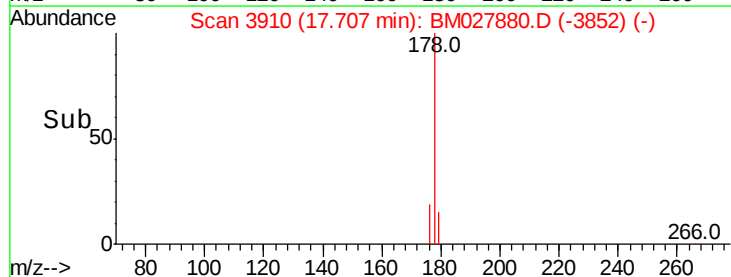
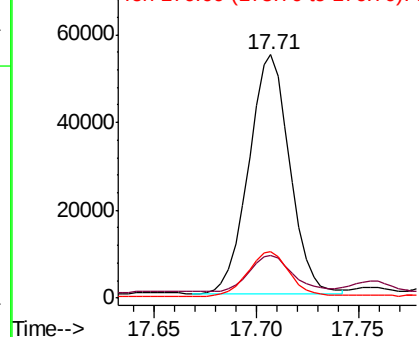
178 100

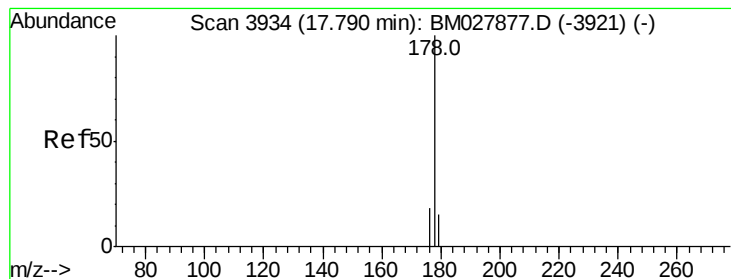
179 17.7 13.6 20.4

176 19.2 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





#13

Anthracene

Concen: 3.719 ng/ul

RT: 17.71 min Scan# 3910

Delta R.T. -0.09 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

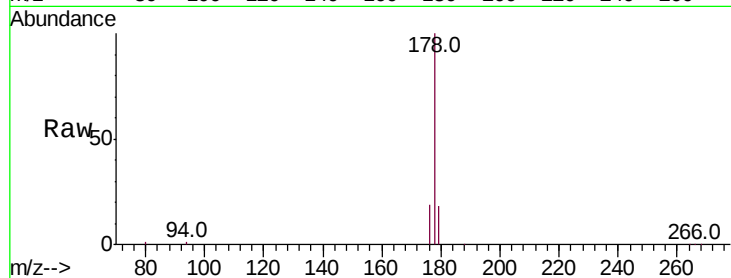
Tot Ion:178 Resp: 59131

Ion Ratio Lower Upper

178 100

179 17.7 13.4 20.2

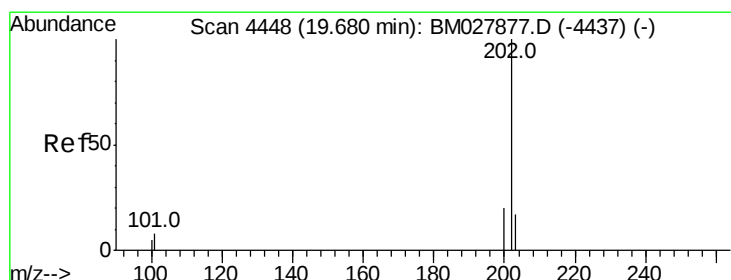
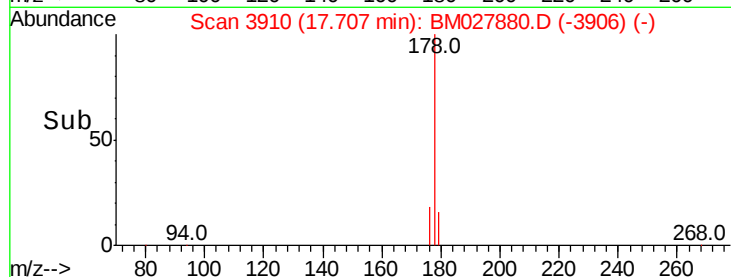
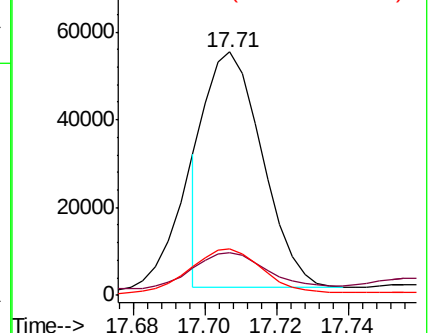
176 19.2 15.0 22.6



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: 0.648 ng/ul

RT: 19.68 min Scan# 4449

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

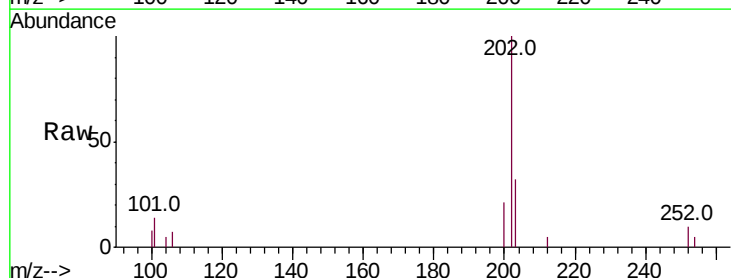
Tgt Ion:202 Resp: 11837

Ion Ratio Lower Upper

202 100

101 14.3 0.0 29.3

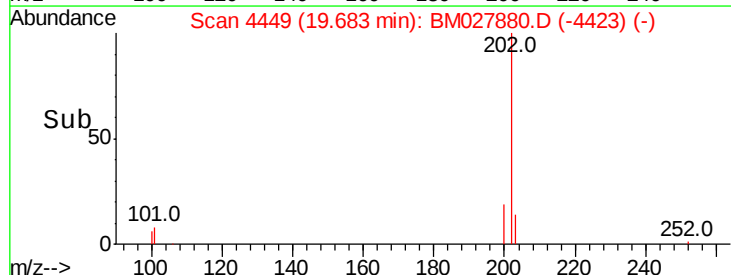
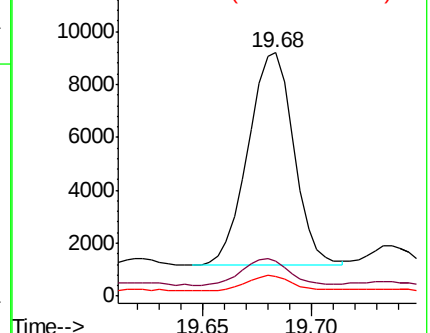
100 8.3 0.0 27.4

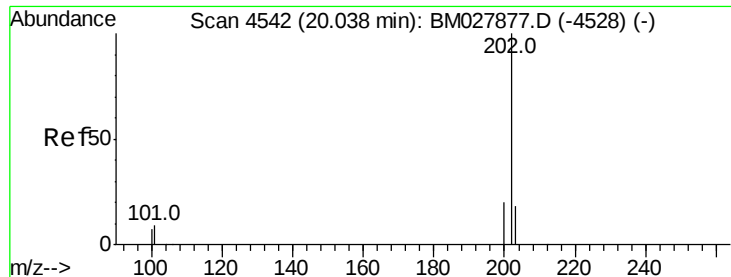


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 4.136 ng/ul

RT: 20.04 min Scan# 4543

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

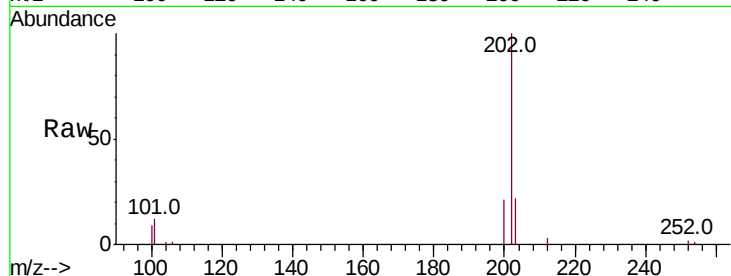
Tot Ion:202 Resp: 68811

Ion Ratio Lower Upper

202 100

101 12.0 8.2 12.2

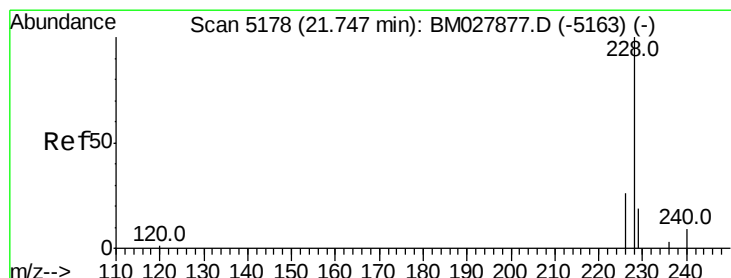
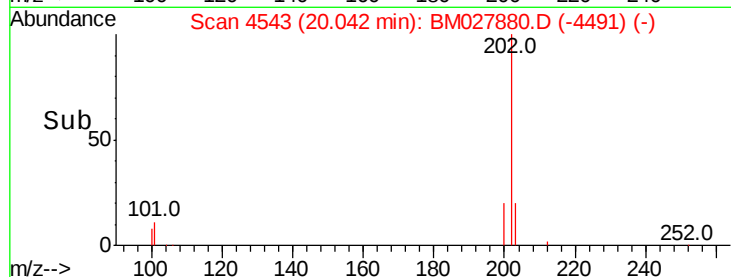
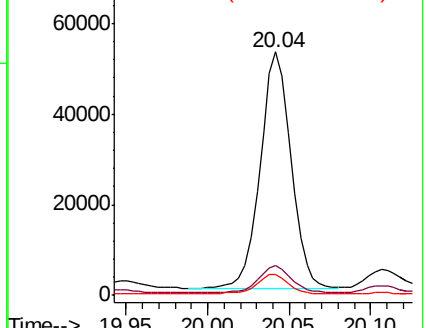
100 8.6 6.9 10.3



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: 0.446 ng/ul

RT: 21.75 min Scan# 5180

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

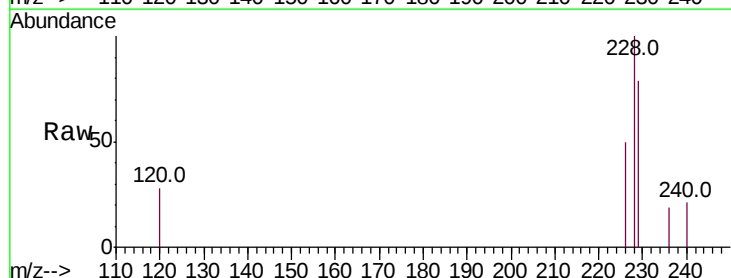
Tgt Ion:228 Resp: 5896

Ion Ratio Lower Upper

228 100

229 78.6 16.2 24.4#

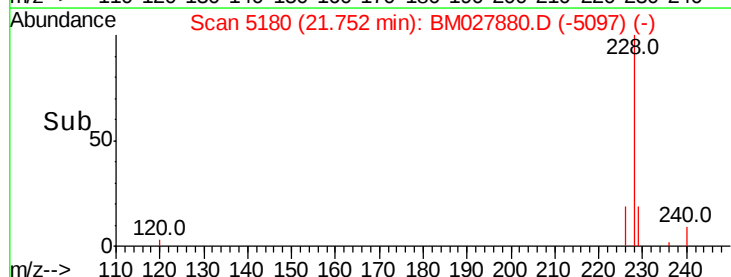
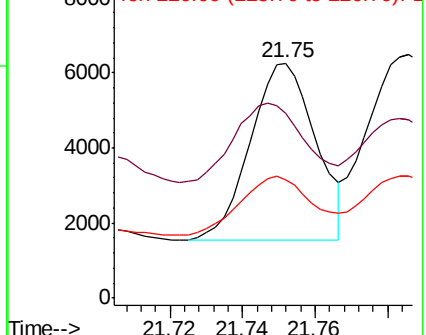
226 50.2 21.5 32.3#

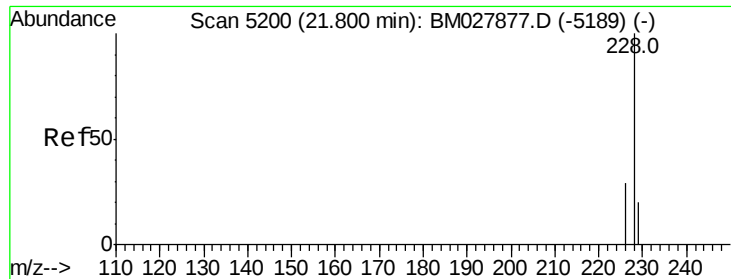


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.601 ng/ul

RT: 21.81 min Scan# 5202

Delta R.T. -0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

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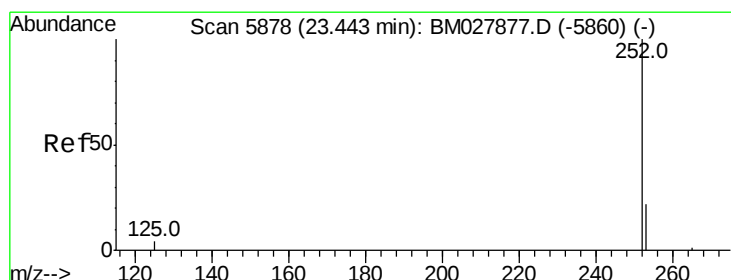
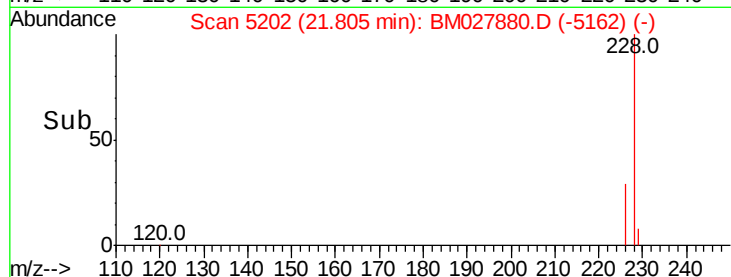
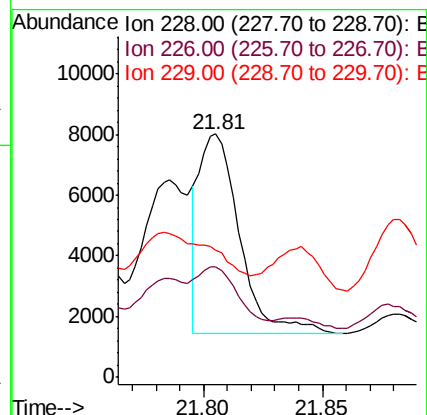
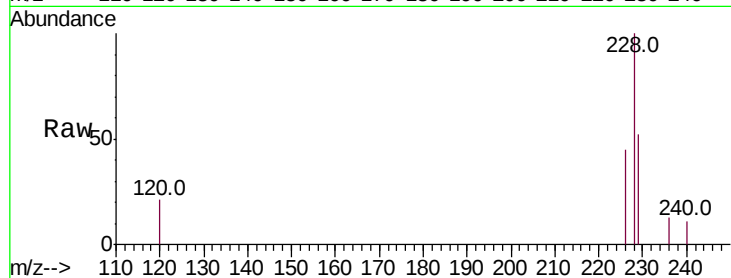
Tot Ion:228 Resp: 7741

Ion Ratio Lower Upper

228 100

226 45.1 24.1 36.1#

229 52.3 16.6 24.8#



#21

Benzo(b)fluoranthene

Concen: 0.297 ng/ul

RT: 23.45 min Scan# 5883

Delta R.T. 0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

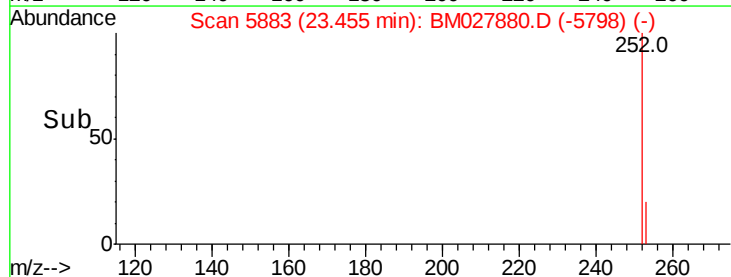
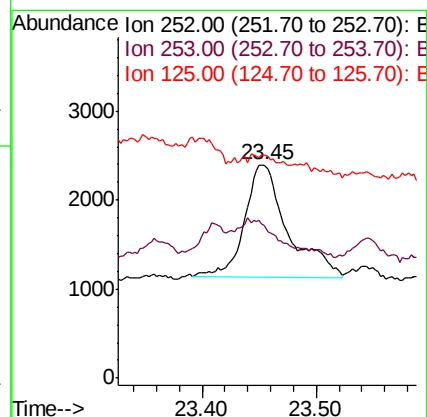
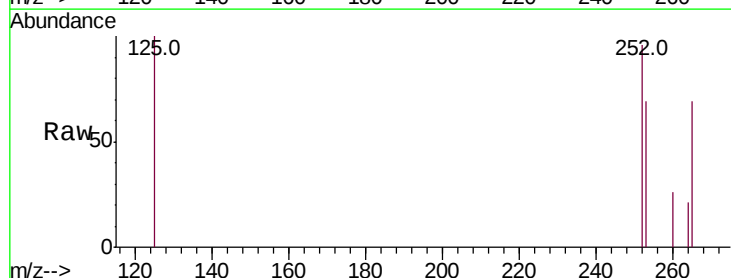
Tgt Ion:252 Resp: 3361

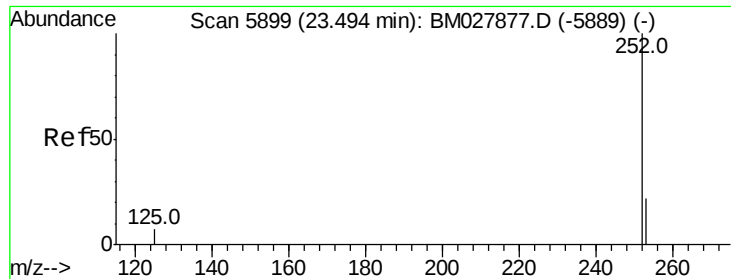
Ion Ratio Lower Upper

252 100

253 71.6 0.0 59.6#

125 104.4 0.0 28.4#





#22

Benzo(k)fluoranthene

Concen: 0.026 ng/ul

RT: 23.54 min Scan# 5918

Delta R.T. 0.04 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL

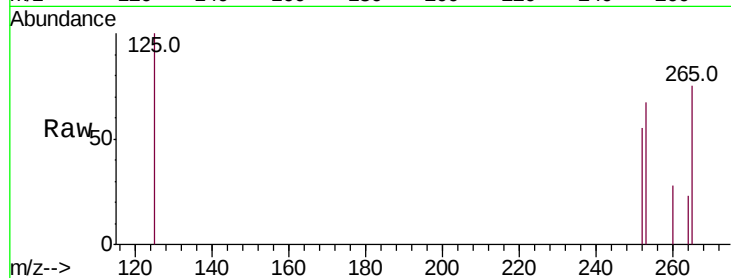
Tot Ion:252 Resp: 288

Ion Ratio Lower Upper

252 100

253 122.6 23.2 34.8#

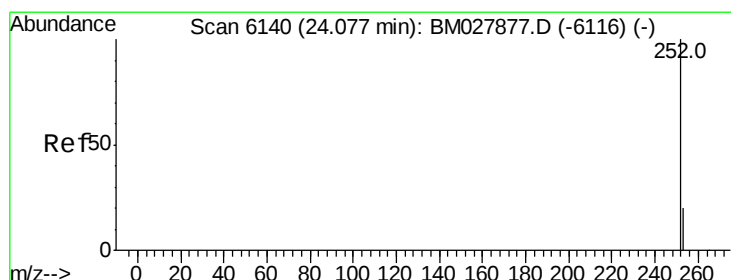
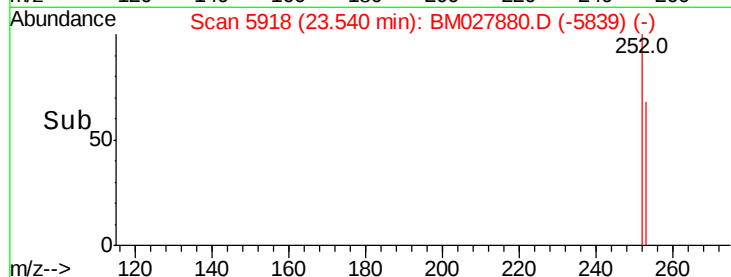
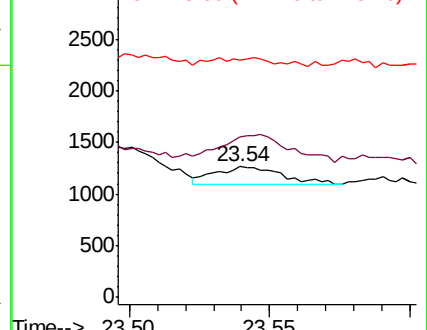
125 182.3 11.8 17.6#



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: 0.239 ng/ul

RT: 24.08 min Scan# 6143

Delta R.T. 0.00 min

Lab File: BM027880.D

Acq: 21 Nov 2020 14:21

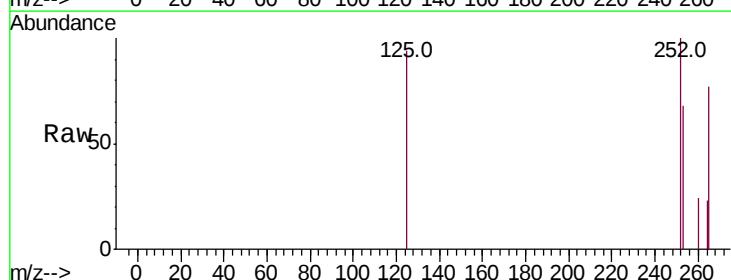
Tgt Ion:252 Resp: 2368

Ion Ratio Lower Upper

252 100

253 68.4 25.2 37.8#

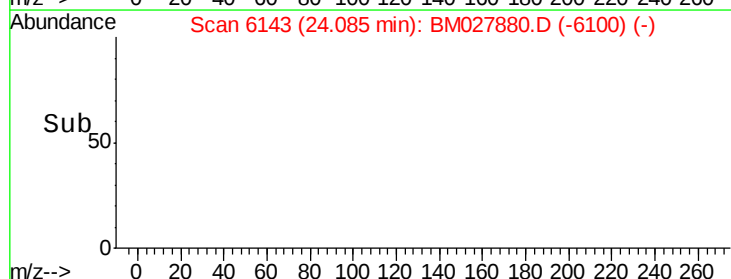
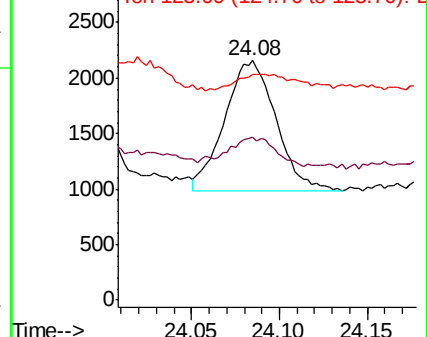
125 94.2 13.8 20.6#

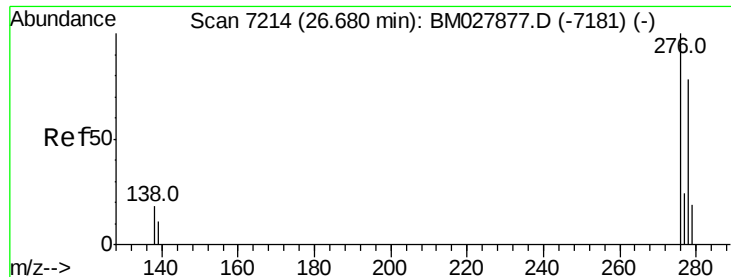


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



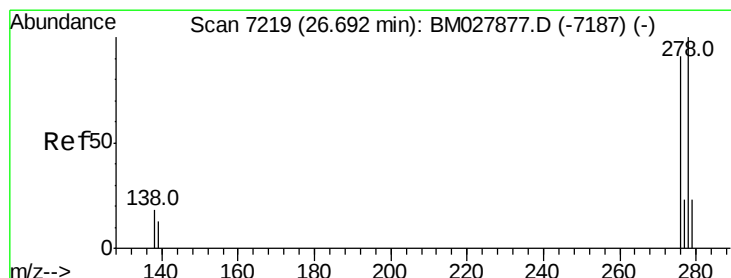
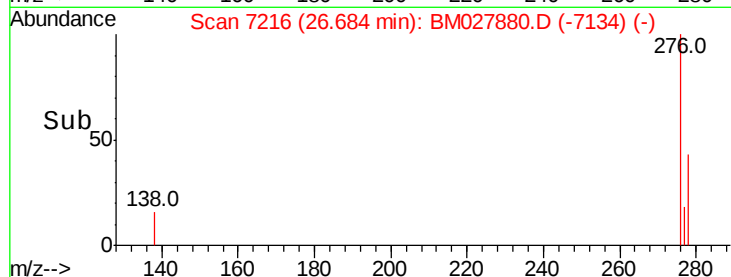
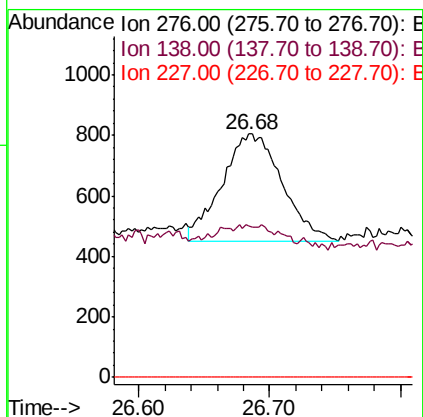
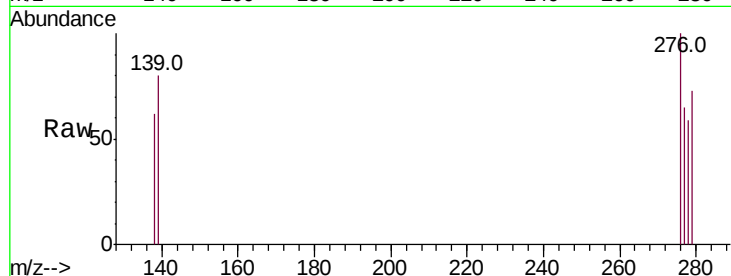


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.107 ng/ul
RT: 26.68 min Scan# 7216
Delta R.T. -0.00 min
Lab File: BM027880.D
Acq: 21 Nov 2020 14:21

Instrument :
BNA_M
ClientSampleId :
C0AD0DL

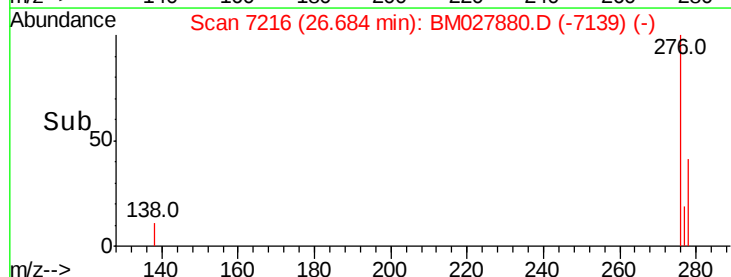
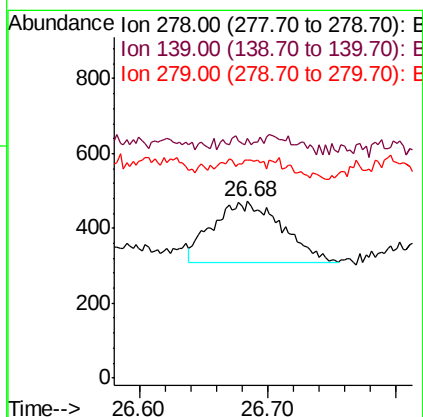
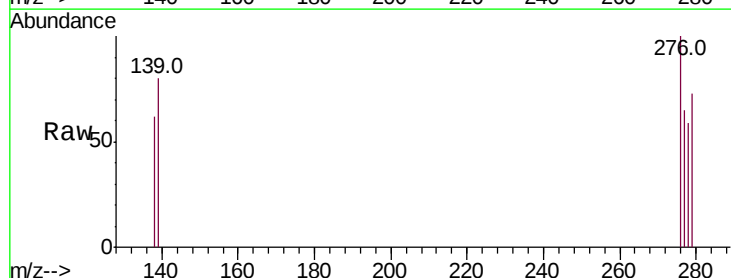
Tot Ion:276 Resp: 1149
Ion Ratio Lower Upper
276 100
138 0.0 15.7 23.5#
227 0.0 0.0 0.0

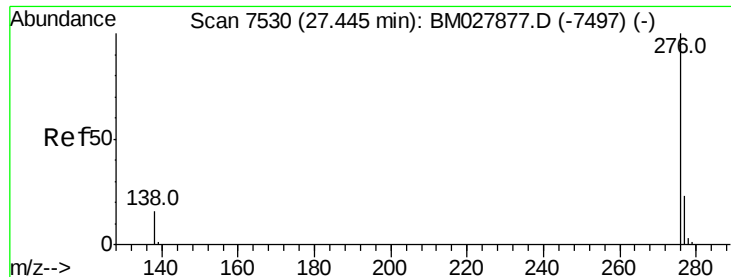


#25

Dibenzo(a,h)anthracene
Concen: 0.068 ng/ul
RT: 26.68 min Scan# 7216
Delta R.T. -0.01 min
Lab File: BM027880.D
Acq: 21 Nov 2020 14:21

Tgt Ion:278 Resp: 604
Ion Ratio Lower Upper
278 100
139 135.6 14.8 22.2#
279 123.7 25.8 38.6#





#26

Benzo(a,h,i)perylene

Concen: 0.226 ng/ul

RT: 27.46 min Scan# 7535

Delta R.T. -0.00 min

Lab File: BM027880.D

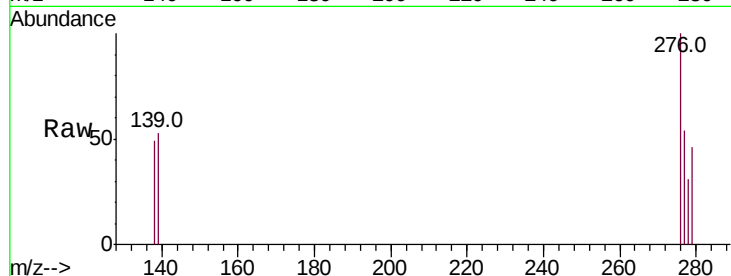
Acq: 21 Nov 2020 14:21

Instrument :

BNA_M

ClientSampleId :

C0AD0DL



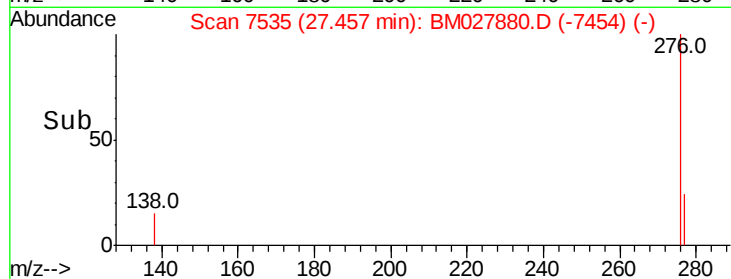
Tot Ion: 276 Resp: 2036

Ion Ratio Lower Upper

276 100

138 49.2 17.4 26.2#

277 54.3 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

