

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\
 Data File : BM027893.D
 Acq On : 21 Nov 2020 22:21
 Operator : JU/CG
 Sample : L4711-05
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BF2

Quant Time: Nov 23 04:07:25 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 04:04:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	1284	0.40	ng/ul	0.00
2) Naphthalene-d8	11.17	136	5123	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.95	164	3044	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-17.67
16) Chrysene-d12	21.77	240	2876	0.40	ng/ul	0.00
20) Perylene-d12	24.19	264	3298	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.73	152	2246	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	3006	0.00	ng/ul	0.00

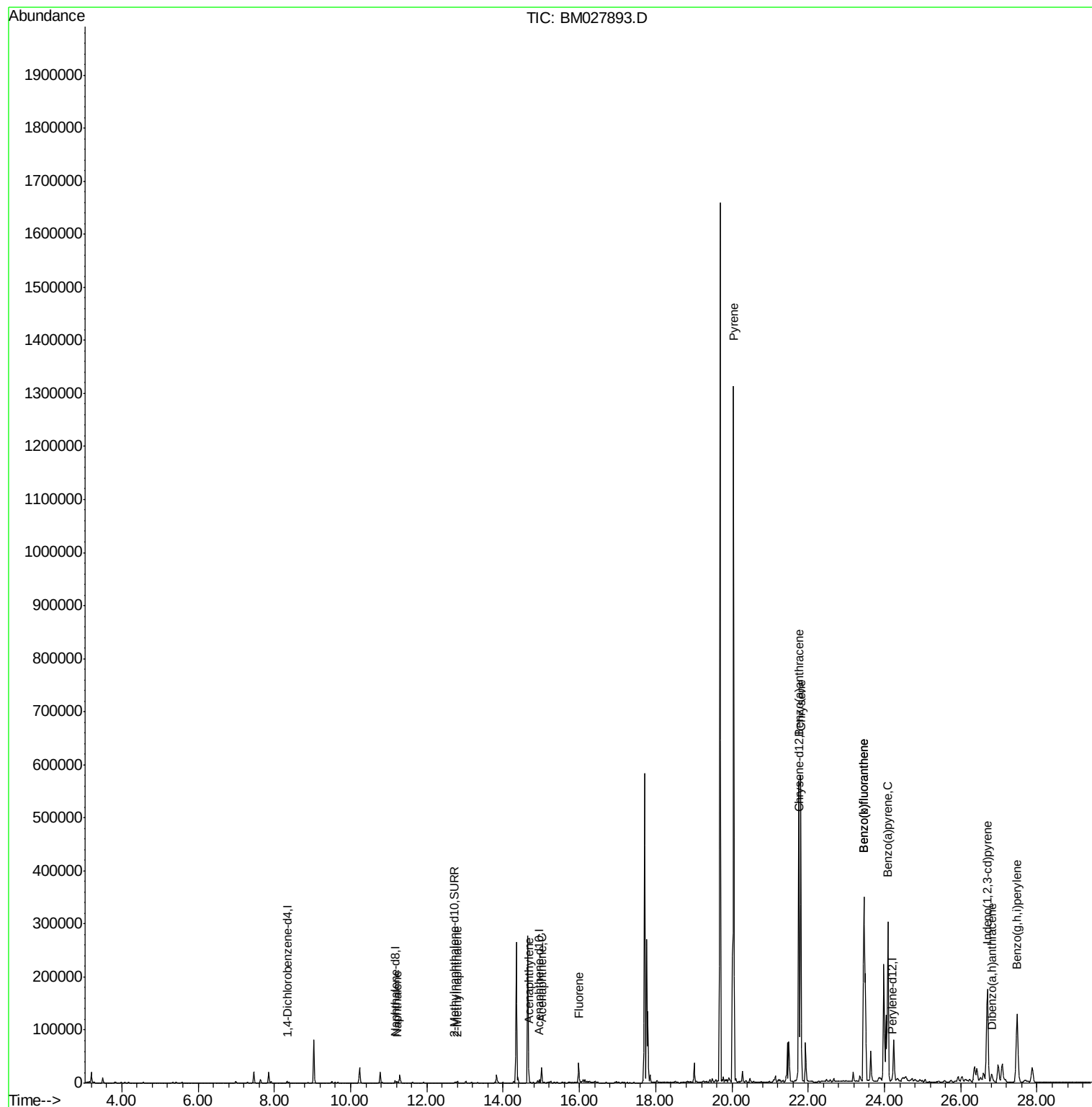
Target Compounds				Ovalue		
3) Naphthalene	11.22	128	3069	0.200	ng/ul	98
5) 2-Methylnaphthalene	12.80	142	1443	0.138	ng/ul	99
7) Acenaphthylene	14.68	152	4640	0.312	ng/ul	98
8) Acenaphthene	15.01	153	16341	1.468	ng/ul	98
9) Fluorene	15.98	166	21810	1.689	ng/ul	100
17) Pyrene	20.05	202	1115475	76.370	ng/ul	98
18) Benzo(a)anthracene	21.75	228	515180	44.397	ng/ul	100
19) Chrysene	21.81	228	558741	49.435	ng/ul	99
21) Benzo(b)fluoranthene	23.46	252	888951	64.136	ng/ul	87
22) Benzo(k)fluoranthene	23.46	252	888951	65.493	ng/ul#	87
23) Benzo(a)pyrene	24.09	252	439535	36.270	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.70	276	308436	23.508	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.81	278	24072	2.203	ng/ul	97
26) Benzo(g,h,i)perylene	27.48	276	297861	27.058	ng/ul	92

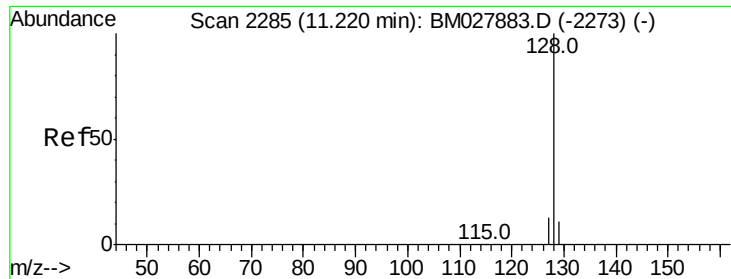
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.200 ng/ul

RT: 11.22 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0BF2

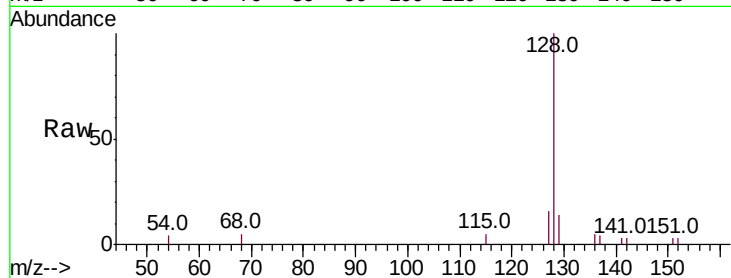
Tot Ion:128 Resp: 3069

Ion Ratio Lower Upper

128 100

129 14.1 10.4 15.6

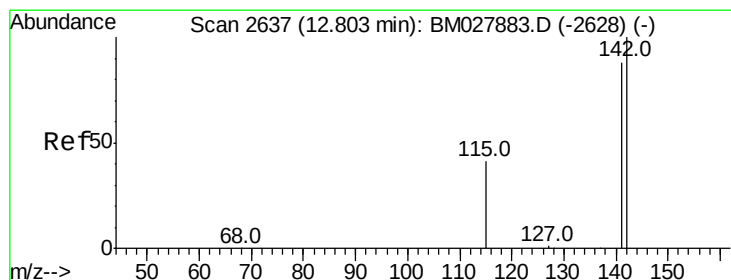
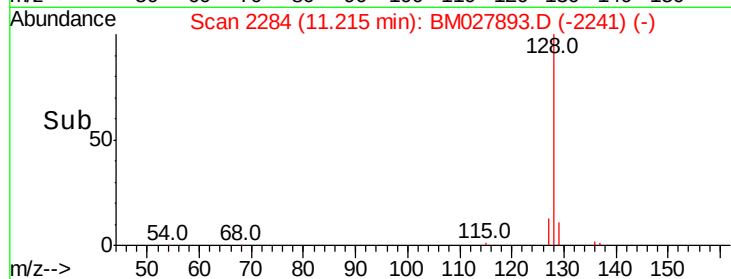
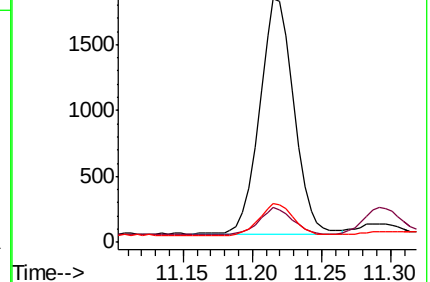
127 15.9 12.0 18.0



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: 0.138 ng/ul

RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM027893.D

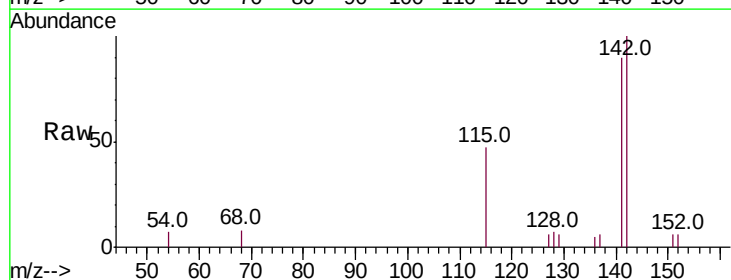
Acq: 21 Nov 2020 22:21

Tgt Ion:142 Resp: 1443

Ion Ratio Lower Upper

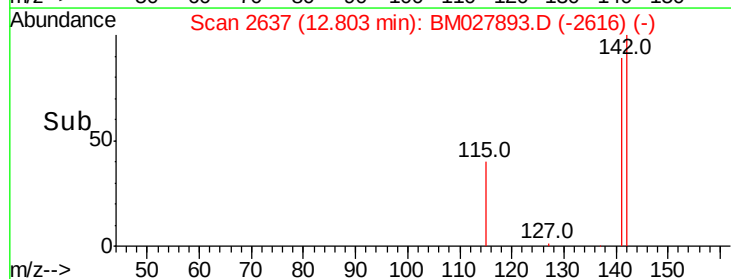
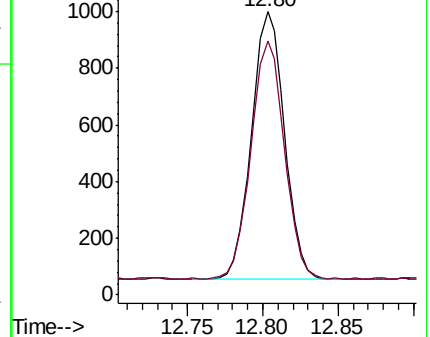
142 100

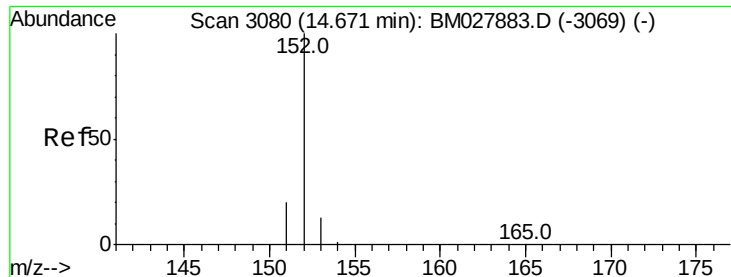
141 90.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.312 ng/ul

RT: 14.68 min Scan# 3081

Delta R.T. -0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0BF2

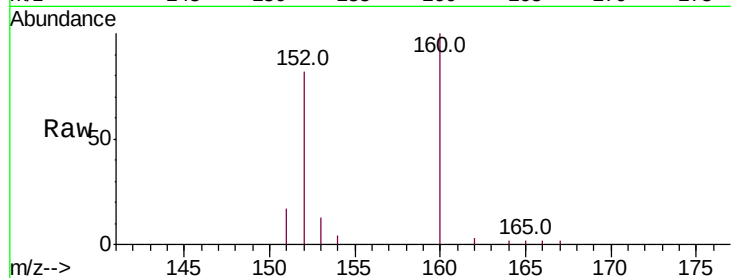
Tot Ion:152 Resp: 4640

Ion Ratio Lower Upper

152 100

151 20.8 17.1 25.7

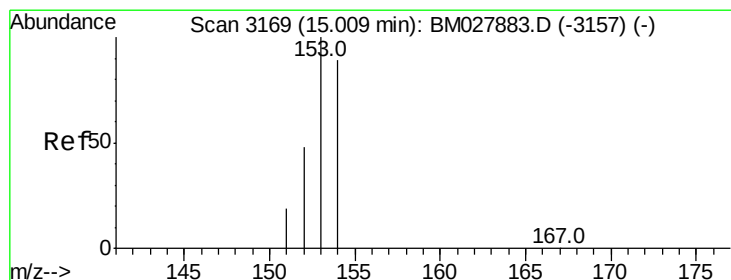
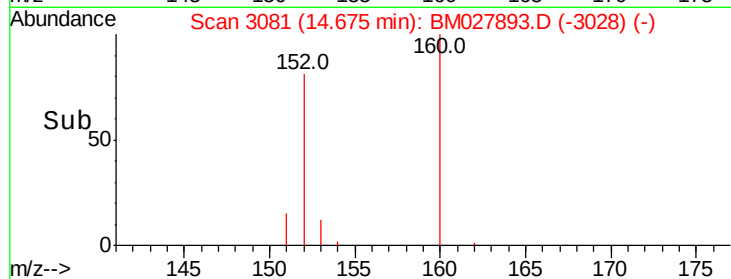
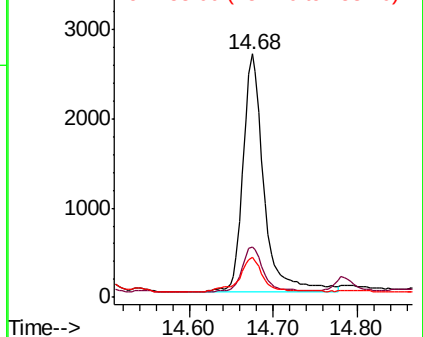
153 16.2 12.0 18.0



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



#8

Acenaphthene

Concen: 1.468 ng/ul

RT: 15.01 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

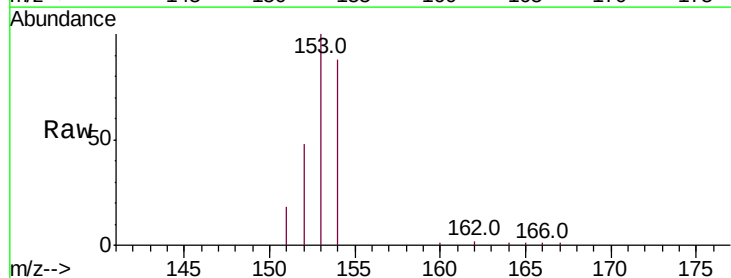
Tgt Ion:153 Resp: 16341

Ion Ratio Lower Upper

153 100

152 47.6 39.0 58.6

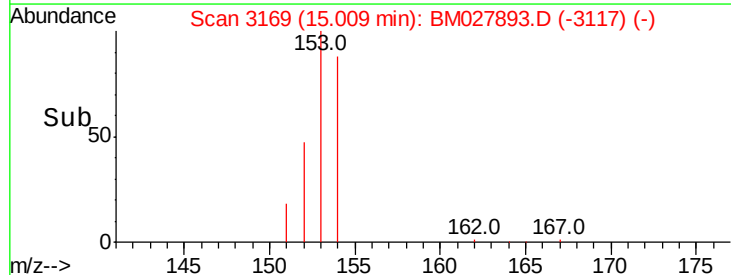
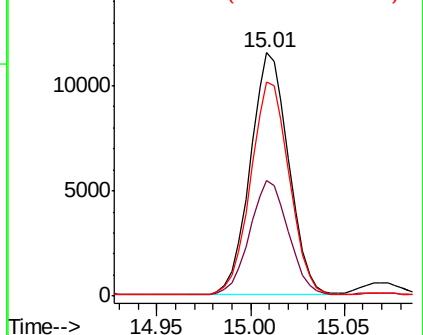
154 88.2 71.6 107.4

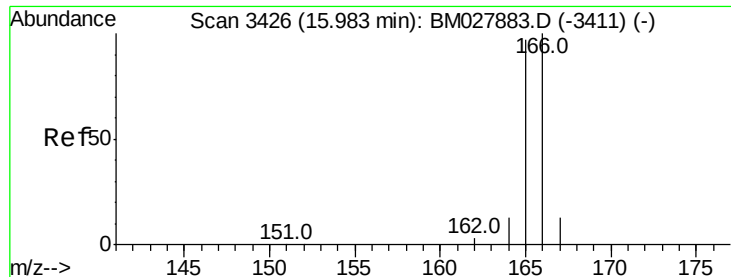


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.689 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. -0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0BF2

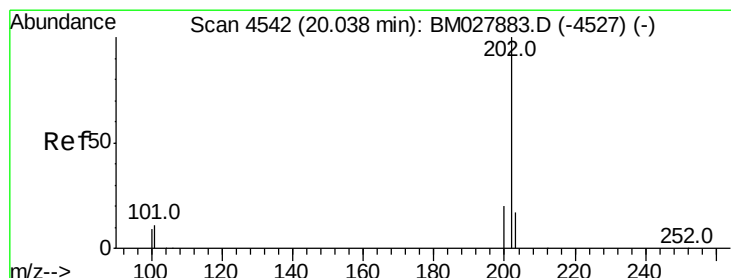
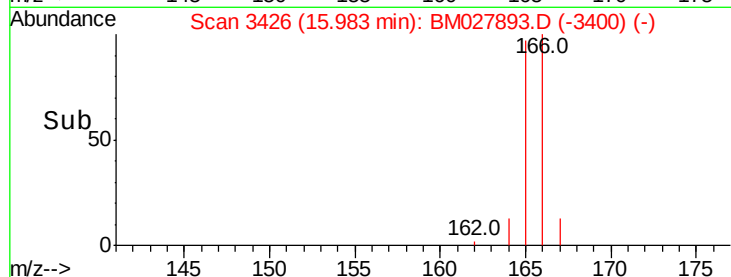
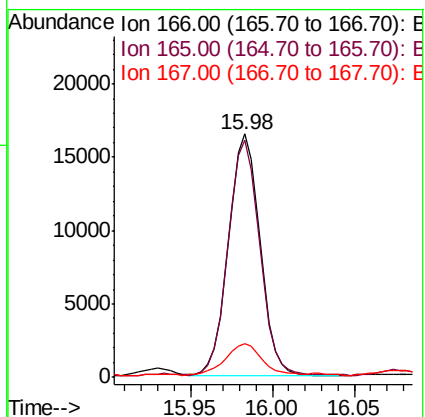
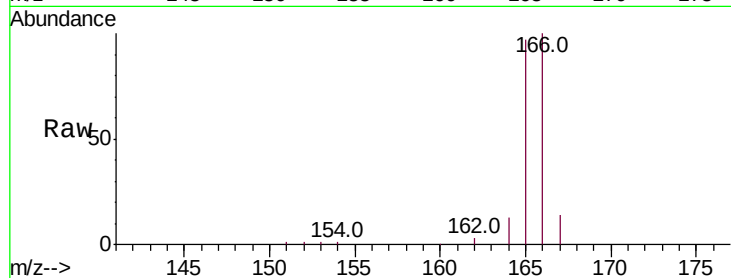
Tot Ion:166 Resp: 21810

Ion Ratio Lower Upper

166 100

165 97.4 78.1 117.1

167 14.0 11.8 17.8



#17

Pyrene

Concen: 76.370 ng/ul

RT: 20.05 min Scan# 4544

Delta R.T. 0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

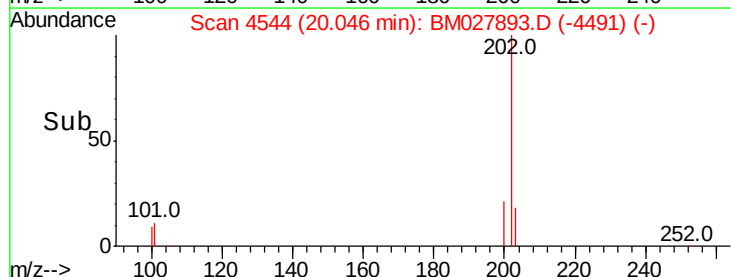
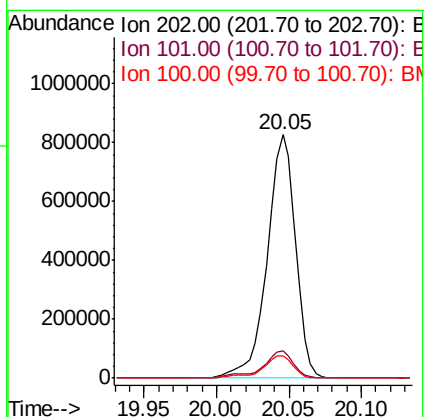
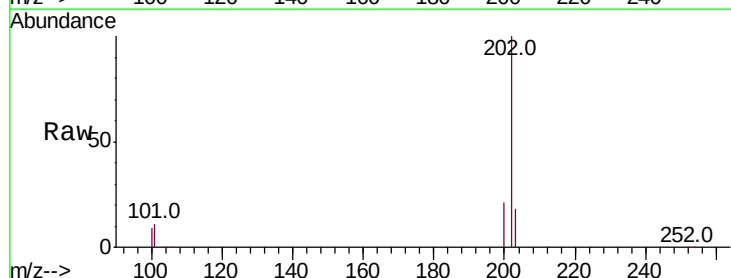
Tgt Ion:202 Resp: 1115475

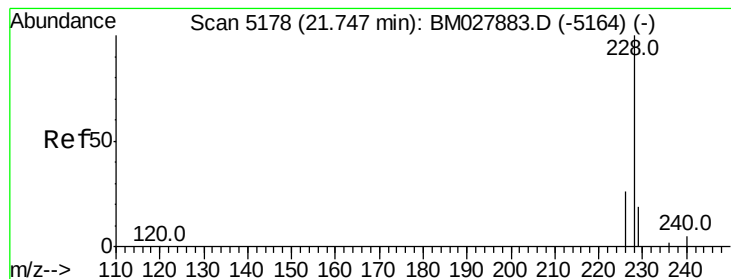
Ion Ratio Lower Upper

202 100

101 11.2 8.2 12.2

100 9.3 6.9 10.3





#18

Benzo(a)anthracene

Concen: 44.397 ng/ul

RT: 21.75 min Scan# 5180

Delta R.T. -0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0BF2

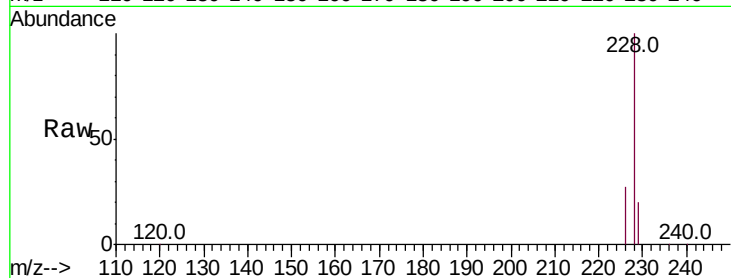
Tot Ion:228 Resp: 515180

Ion Ratio Lower Upper

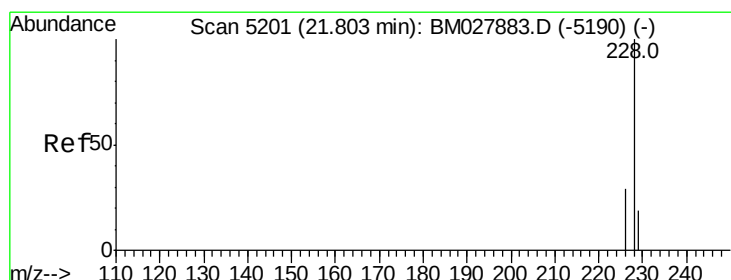
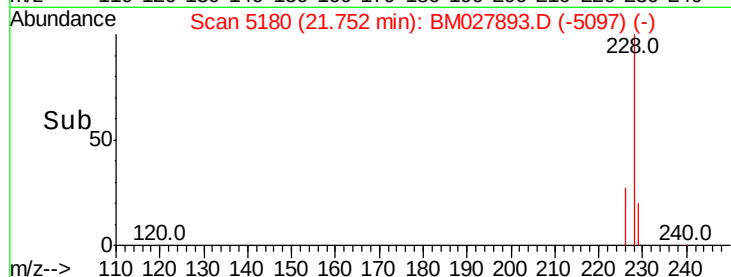
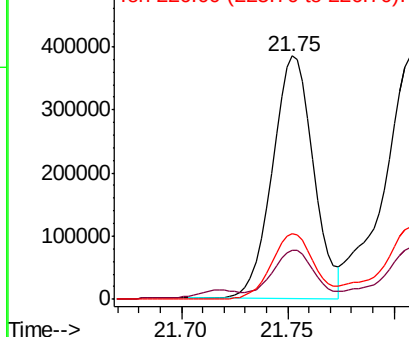
228 100

229 20.3 16.2 24.4

226 27.1 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: 49.435 ng/ul

RT: 21.81 min Scan# 5203

Delta R.T. 0.00 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

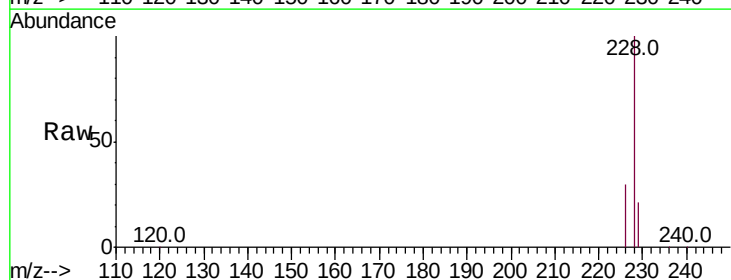
Tgt Ion:228 Resp: 558741

Ion Ratio Lower Upper

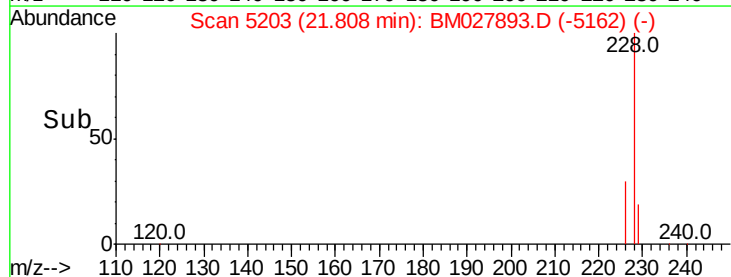
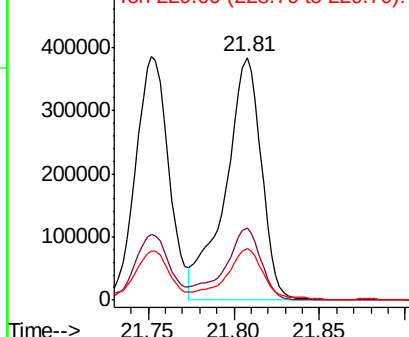
228 100

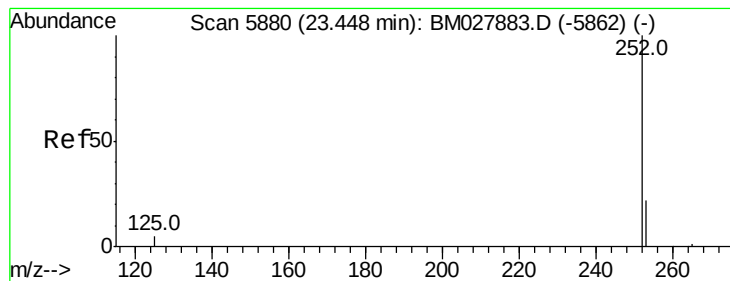
226 29.7 24.1 36.1

229 21.4 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: 64.136 ng/ul

RT: 23.46 min Scan# 5885

Delta R.T. 0.01 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

Instrument :

BNA_M

ClientSampleId :

C0BF2

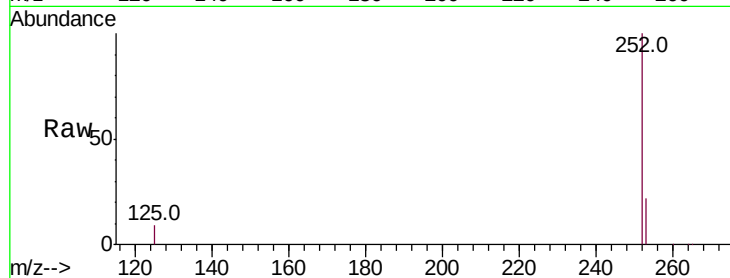
Tot Ion:252 Resp: 888951

Ion Ratio Lower Upper

252 100

253 22.5 0.0 59.6

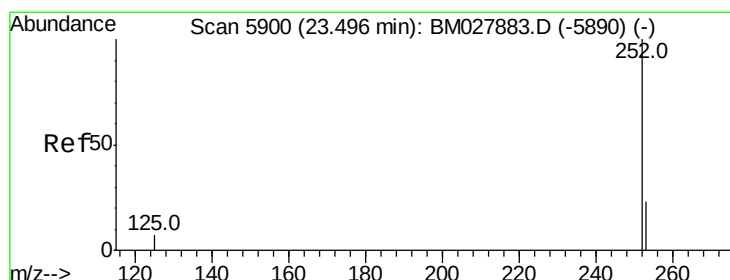
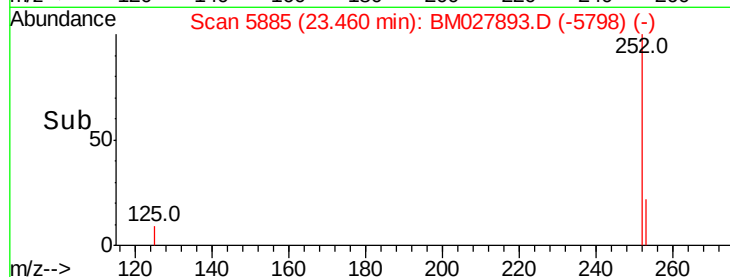
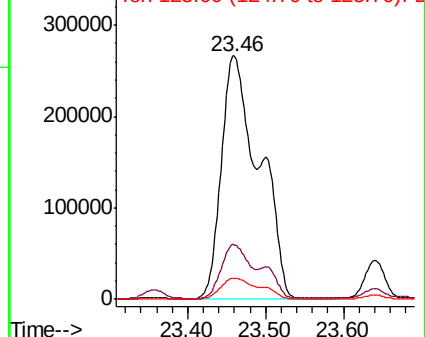
125 8.8 0.0 28.4



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: 65.493 ng/ul

RT: 23.46 min Scan# 5885

Delta R.T. -0.04 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

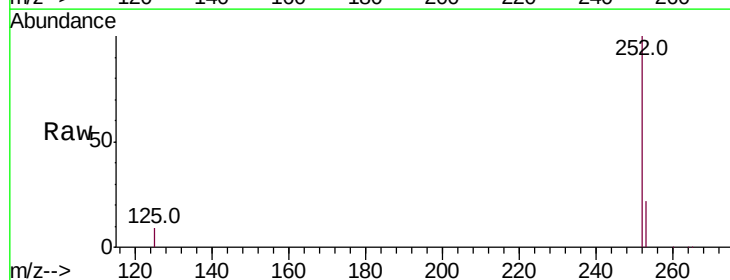
Tgt Ion:252 Resp: 888951

Ion Ratio Lower Upper

252 100

253 22.5 23.2 34.8#

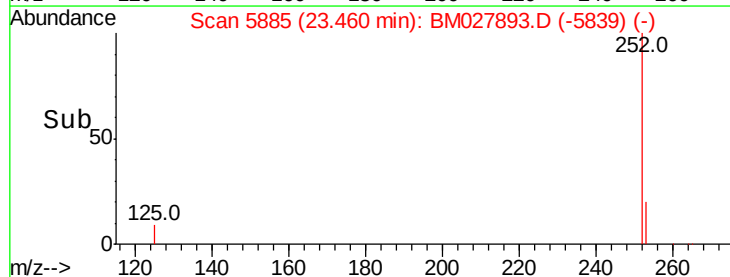
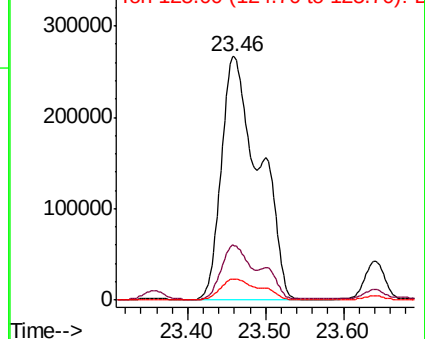
125 8.8 11.8 17.6#

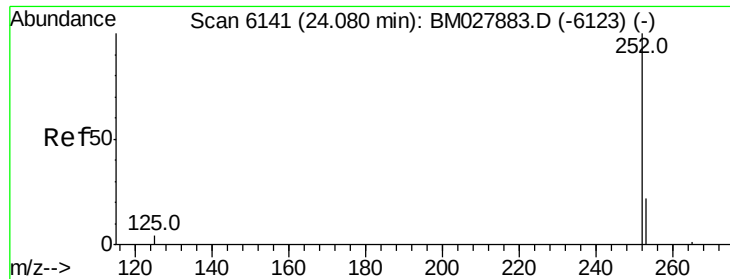


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 36.270 ng/ul

RT: 24.09 min Scan# 6145

Delta R.T. 0.01 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

Instrument :

BNA_M

ClientSampleId :

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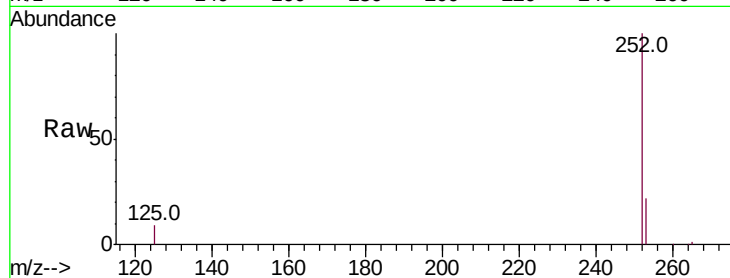
Tot Ion:252 Resp: 439535

Ion Ratio Lower Upper

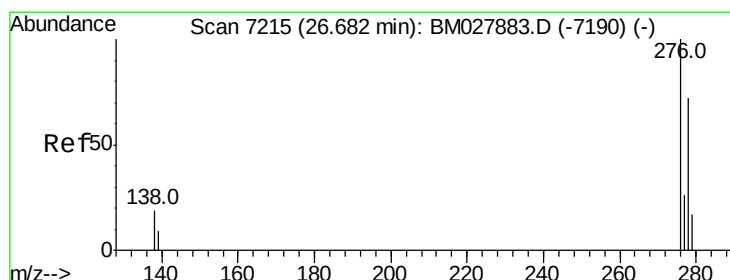
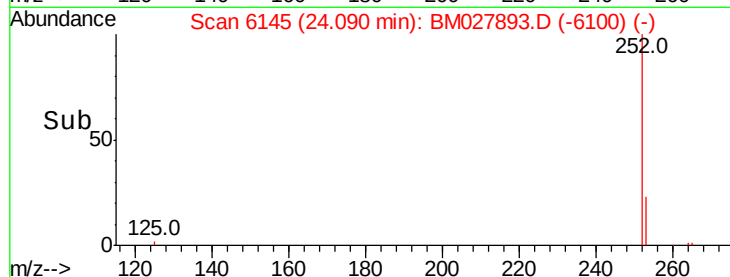
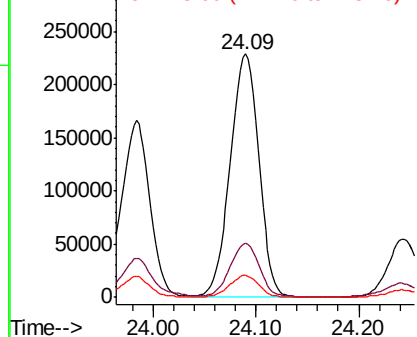
252 100

253 22.3 25.2 37.8#

125 9.0 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: 23.508 ng/ul

RT: 26.70 min Scan# 7221

Delta R.T. 0.01 min

Lab File: BM027893.D

Acq: 21 Nov 2020 22:21

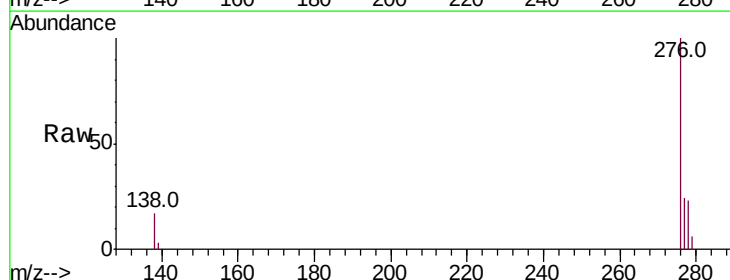
Tgt Ion:276 Resp: 308436

Ion Ratio Lower Upper

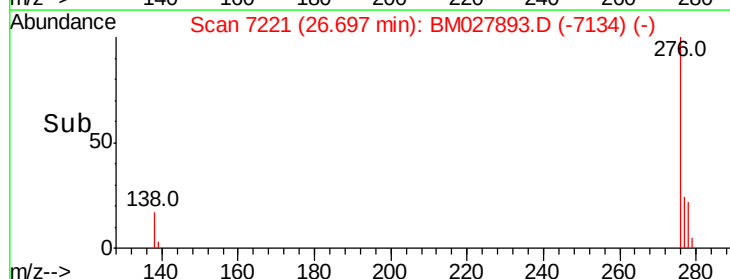
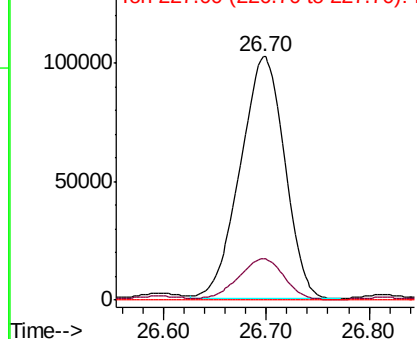
276 100

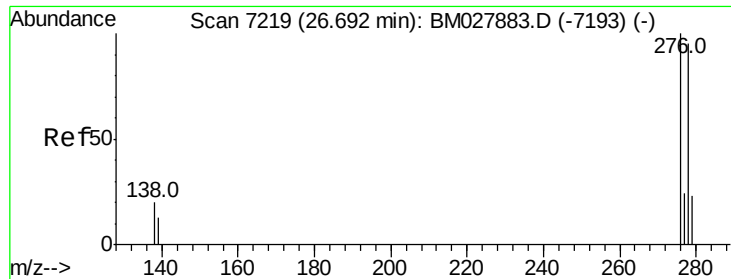
138 17.2 15.7 23.5

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

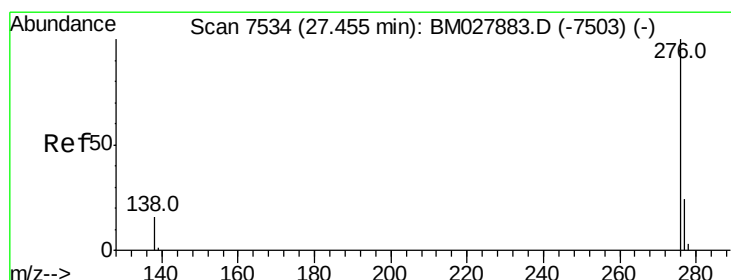
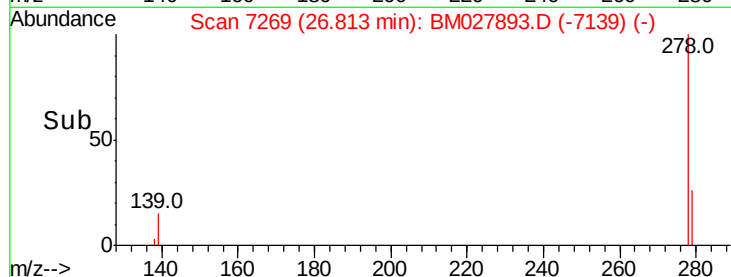
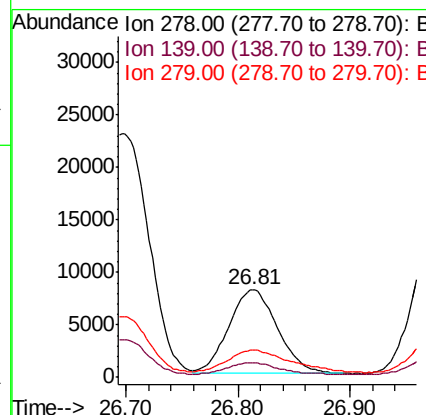
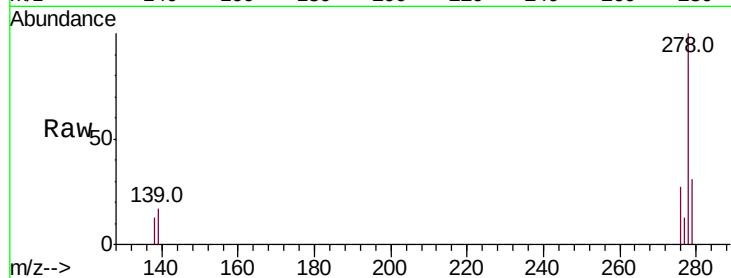




#25
Dibenzo(a,h)anthracene
Concen: 2.203 ng/ul
RT: 26.81 min Scan# 7269
Delta R.T. 0.11 min
Lab File: BM027893.D
Acq: 21 Nov 2020 22:21

Instrument :
BNA_M
ClientSampleId :
C0BF2

Tot Ion:278 Resp: 24072
Ion Ratio Lower Upper
278 100
139 17.1 14.8 22.2
279 30.9 25.8 38.6



#26
Benzo(g,h,i)perylene
Concen: 27.058 ng/ul
RT: 27.48 min Scan# 7543
Delta R.T. 0.01 min
Lab File: BM027893.D
Acq: 21 Nov 2020 22:21

Tgt Ion:276 Resp: 297861
Ion Ratio Lower Upper
276 100
138 17.5 17.4 26.2
277 24.1 22.5 33.7

