

Data File : BM027976.D
Acq On : 25 Nov 2020 22:38
Operator : JU/CG
Sample : L4749-10DL 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B76DL

Quant Time: Nov 26 00:50:53 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 : Thu Nov 26 00:48:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	925	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	3810	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2311	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4616	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2681	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2407	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	193	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	326	0.03	ng/ul	0.00

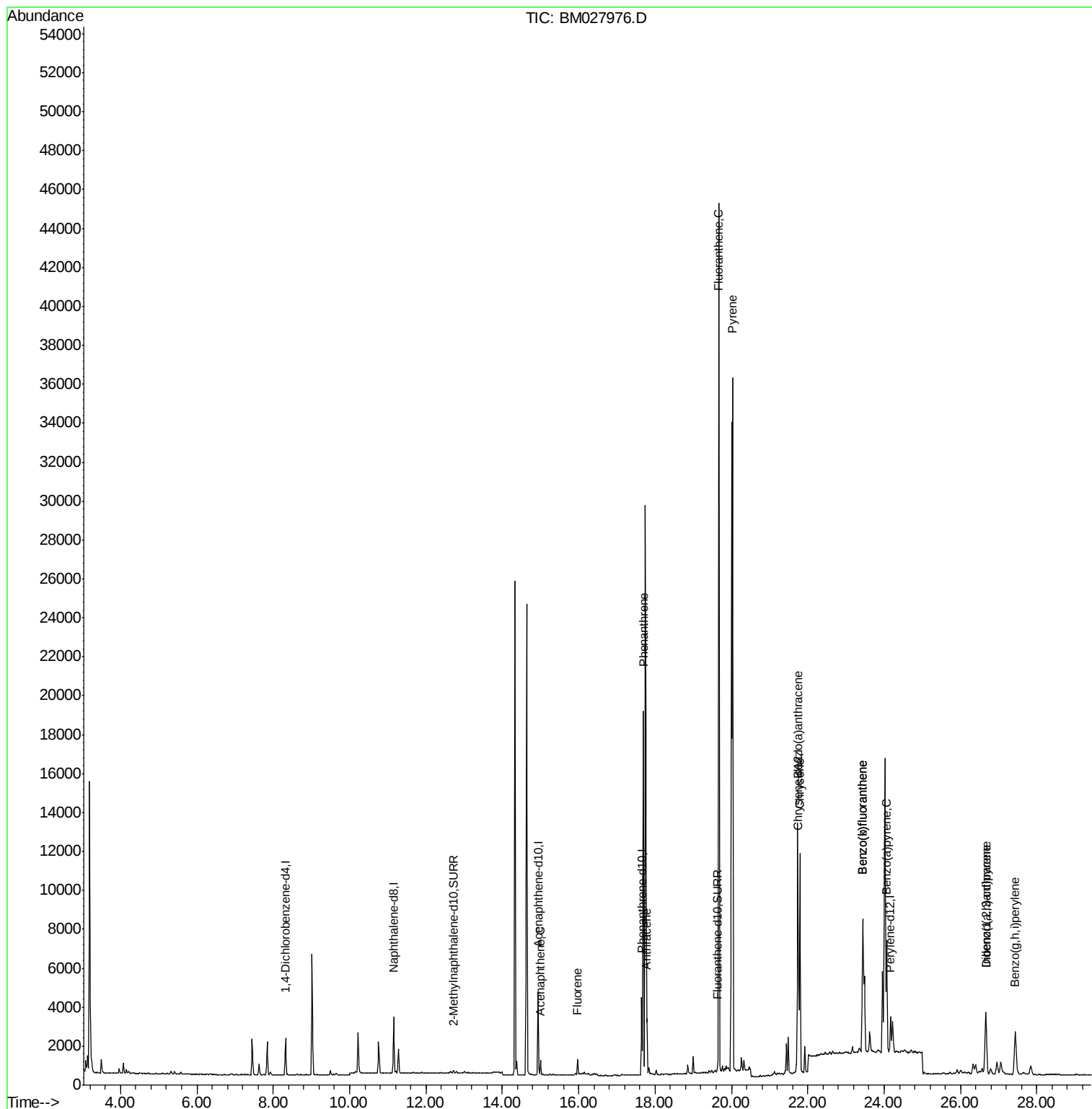
Target Compounds						Qvalue
8) Acenaphthene	15.00	153	439	0.052	ng/ul	96
9) Fluorene	15.97	166	504	0.051	ng/ul#	95
12) Phenanthrene	17.69	178	18881	1.295	ng/ul	97
13) Anthracene	17.78	178	3006	0.214	ng/ul	97
15) Fluoranthene	19.67	202	36325	2.247	ng/ul	99
17) Pyrene	20.03	202	28919	2.124	ng/ul	97
18) Benzo(a)anthracene	21.74	228	10822	1.000	ng/ul	99
19) Chrysene	21.79	228	11169	1.060	ng/ul	98
21) Benzo(b)fluoranthene	23.44	252	17062	1.687	ng/ul	95
22) Benzo(k)fluoranthene	23.44	252	17072	1.723	ng/ul	96
23) Benzo(a)pyrene	24.07	252	8475	0.958	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	26.66	276	5690	0.594	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	1346	0.169	ng/ul#	69
26) Benzo(g,h,i)perylene	27.43	276	5153	0.641	ng/ul	98

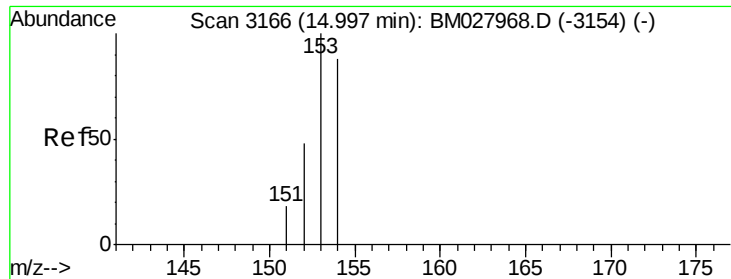
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthene

Concen: 0.052 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

Instrument :

BNA_M

ClientSampleId :

C0B76DL

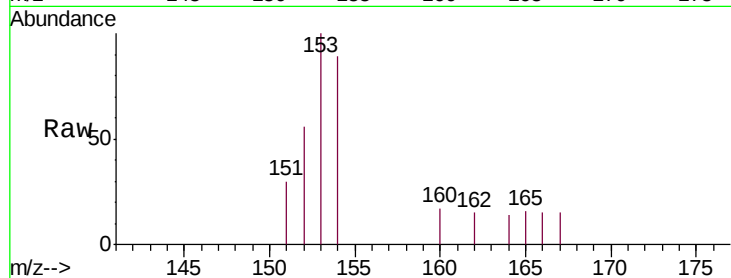
Tgt Ion:153 Resp: 439

Ion Ratio Lower Upper

153 100

152 56.4 39.0 58.6

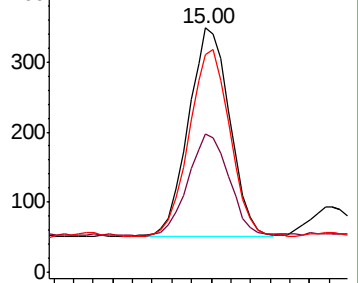
154 89.1 71.6 107.4



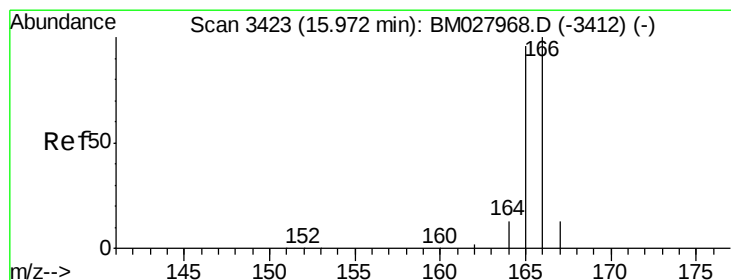
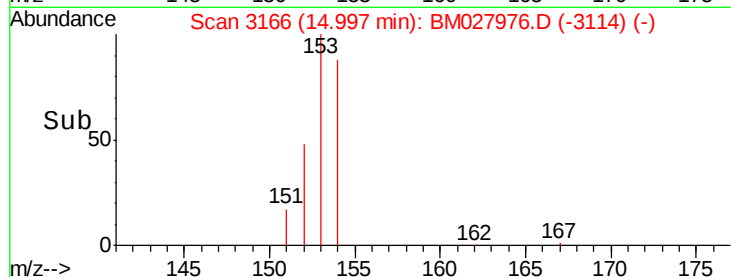
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.051 ng/ul

RT: 15.97 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

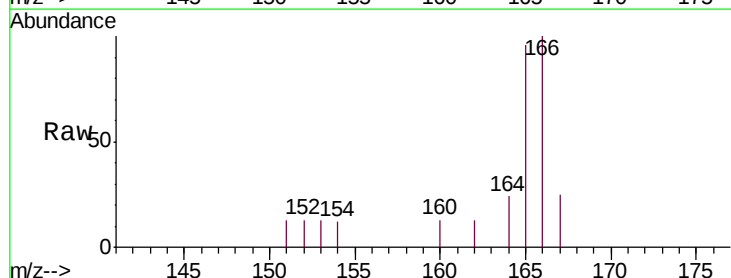
Tgt Ion:166 Resp: 504

Ion Ratio Lower Upper

166 100

165 96.1 78.1 117.1

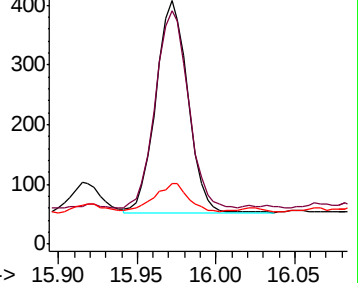
167 25.0 11.8 17.8#



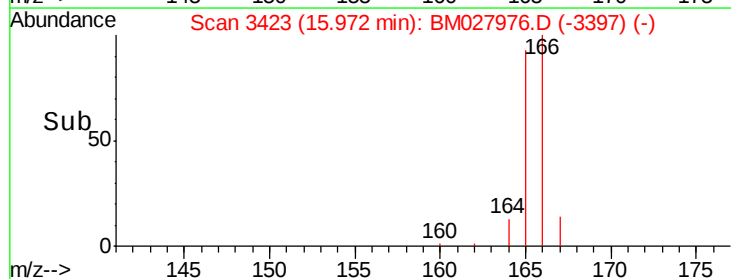
Abundance Ion 166.00 (165.70 to 166.70): E

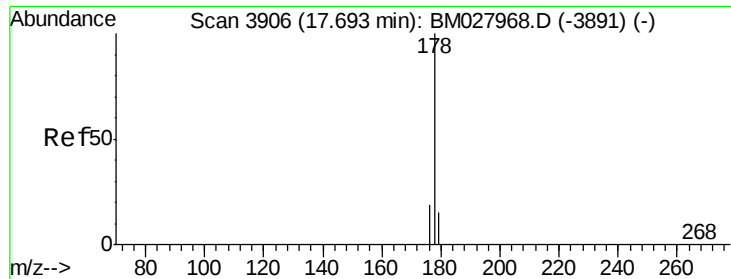
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 1.295 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

Instrument :

BNA_M

ClientSampleId :

C0B76DL

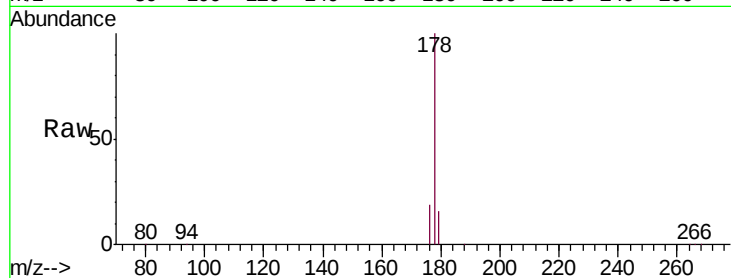
Tgt Ion:178 Resp: 18881

Ion Ratio Lower Upper

178 100

179 15.7 13.6 20.4

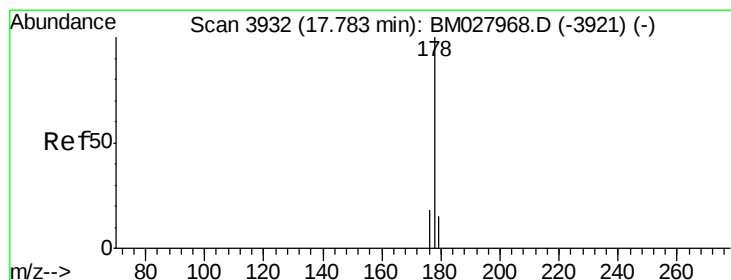
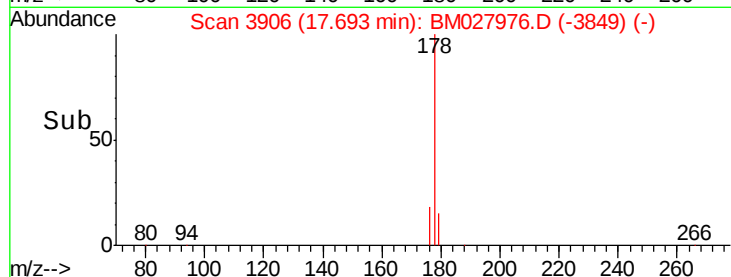
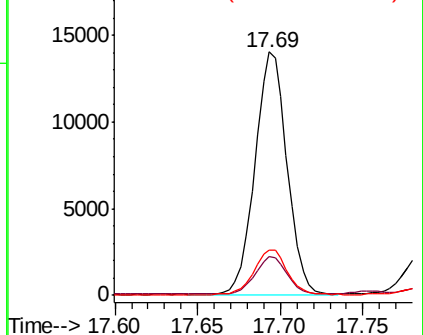
176 18.7 16.1 24.1



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: 0.214 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

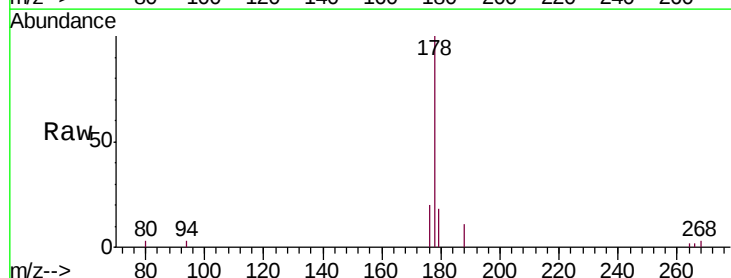
Tgt Ion:178 Resp: 3006

Ion Ratio Lower Upper

178 100

179 17.9 13.4 20.2

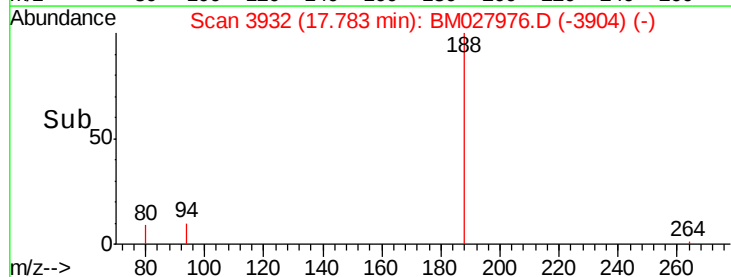
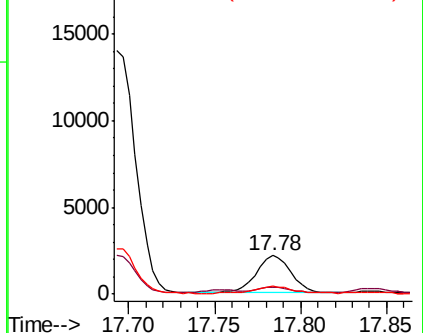
176 20.5 15.0 22.6

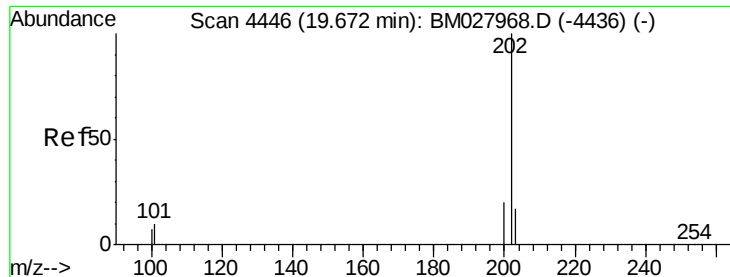


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 2.247 ng/ul

RT: 19.67 min Scan# 4446

Delta R.T. 0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

Instrument :

BNA_M

ClientSampleId :

C0B76DL

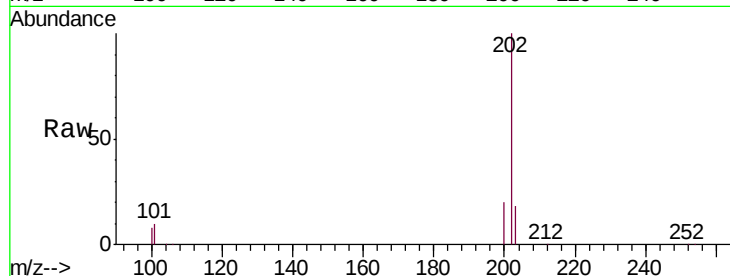
Tgt Ion:202 Resp: 36325

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.3

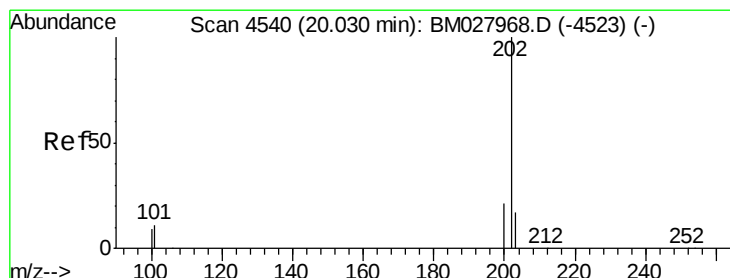
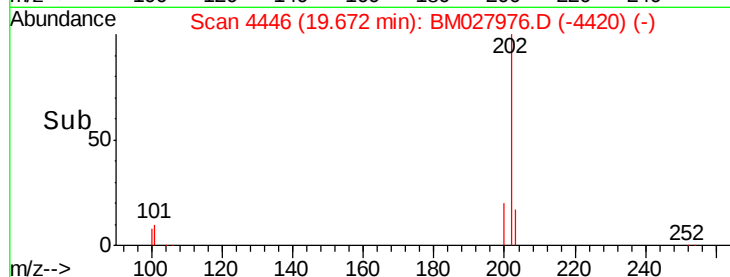
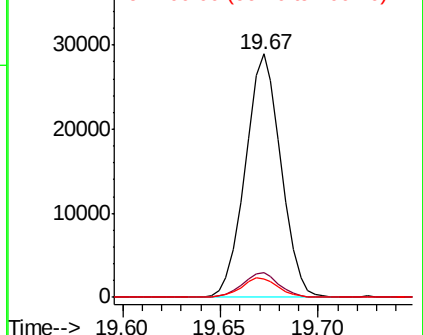
100 7.7 0.0 27.4



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): B



#17

Pyrene

Concen: 2.124 ng/ul

RT: 20.03 min Scan# 4540

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

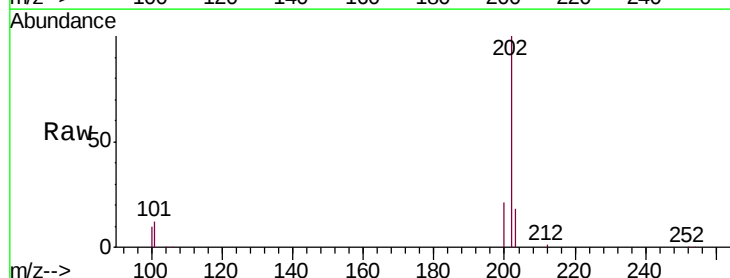
Tgt Ion:202 Resp: 28919

Ion Ratio Lower Upper

202 100

101 11.6 8.2 12.2

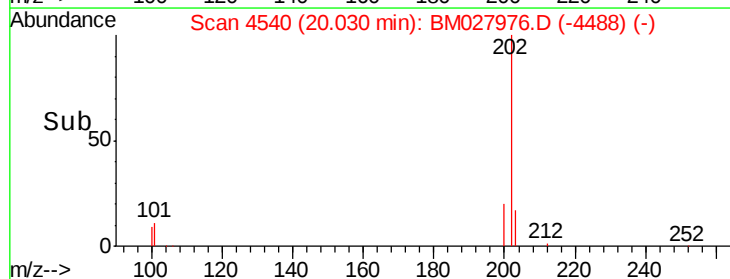
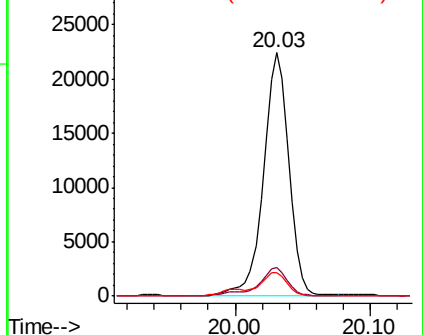
100 9.6 6.9 10.3

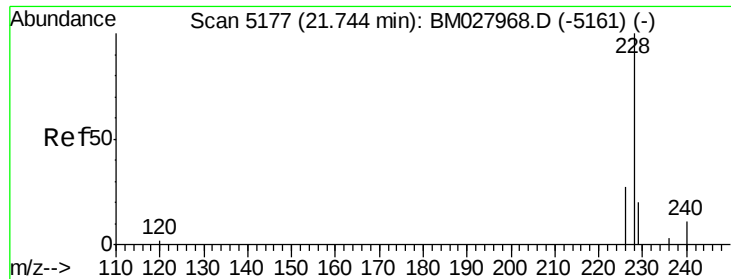


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.000 ng/ul

RT: 21.74 min Scan# 5175

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

Instrument :

BNA_M

ClientSampleId :

C0B76DL

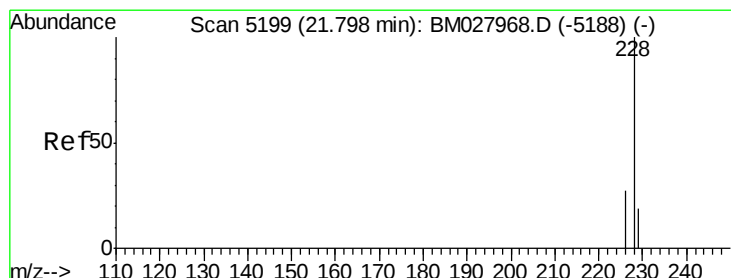
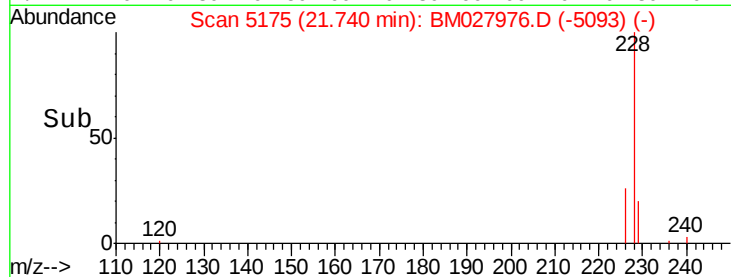
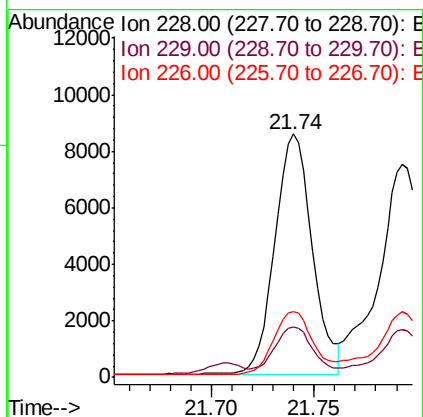
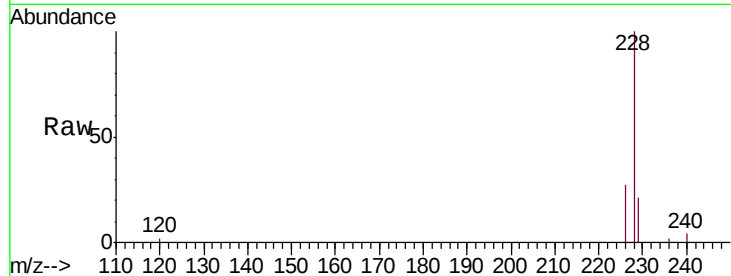
Tgt Ion:228 Resp: 10822

Ion Ratio Lower Upper

228 100

229 20.9 16.2 24.4

226 27.1 21.5 32.3



#19

Chrysene

Concen: 1.060 ng/ul

RT: 21.79 min Scan# 5197

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

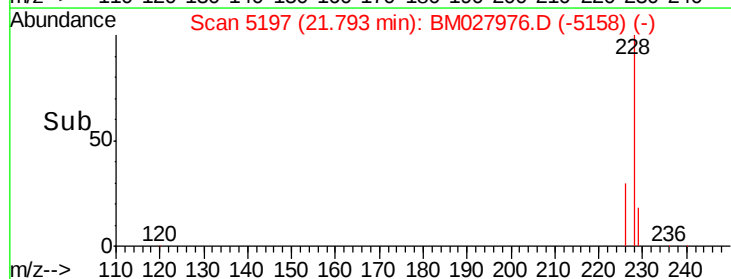
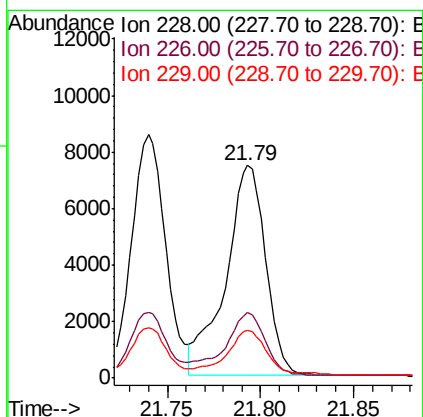
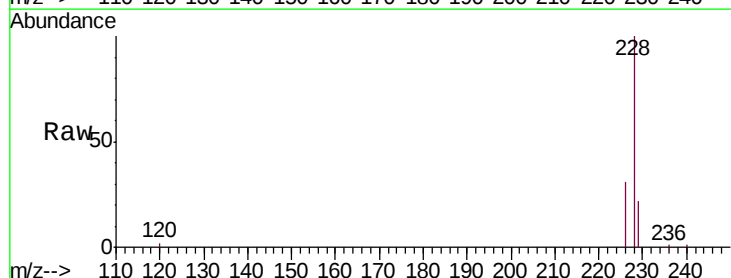
Tgt Ion:228 Resp: 11169

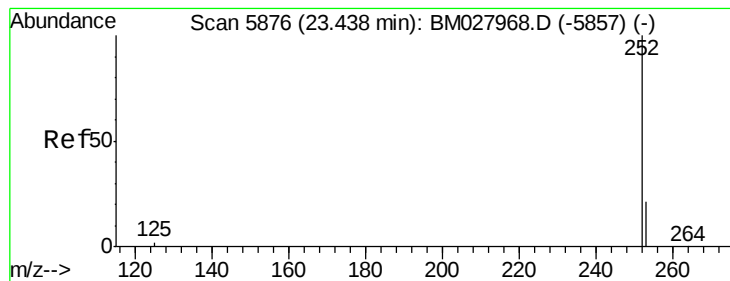
Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 22.5 16.6 24.8





#21

Benzo(b)fluoranthene

Concen: 1.687 ng/ul

RT: 23.44 min Scan# 5875

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

Instrument :

BNA_M

ClientSampleId :

C0B76DL

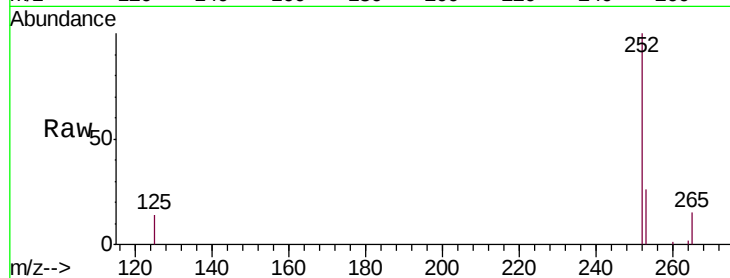
Tgt Ion:252 Resp: 17062

Ion Ratio Lower Upper

252 100

253 25.8 0.0 59.6

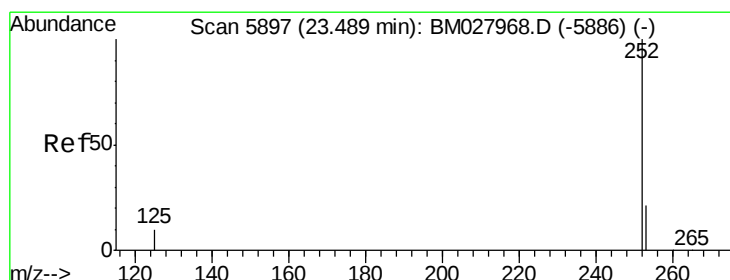
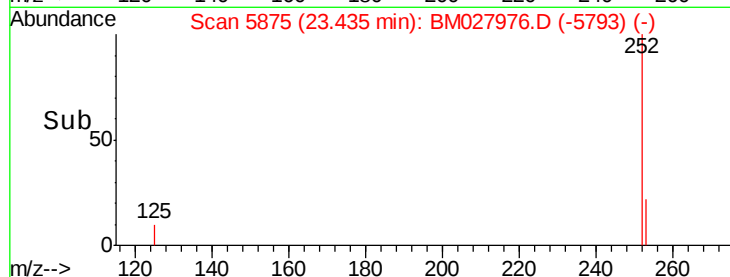
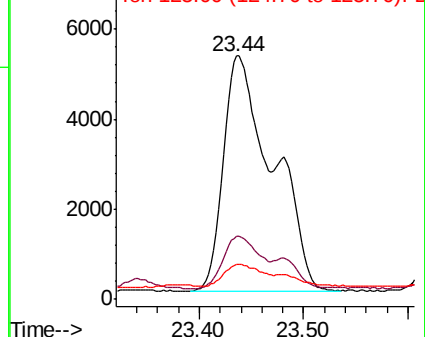
125 14.5 0.0 28.4



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: 1.723 ng/ul

RT: 23.44 min Scan# 5875

Delta R.T. -0.05 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

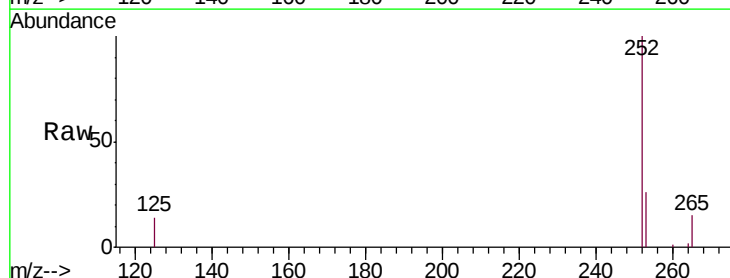
Tgt Ion:252 Resp: 17072

Ion Ratio Lower Upper

252 100

253 25.8 23.2 34.8

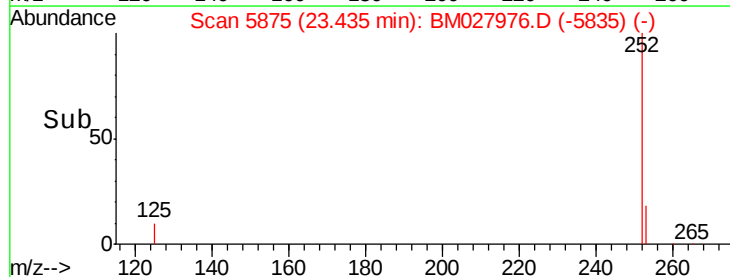
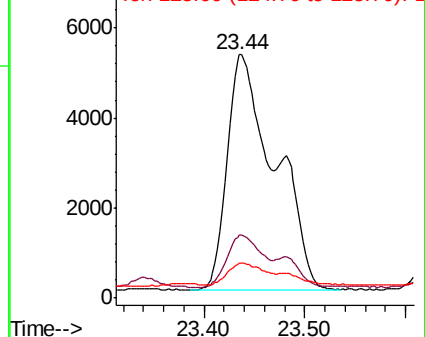
125 14.5 11.8 17.6

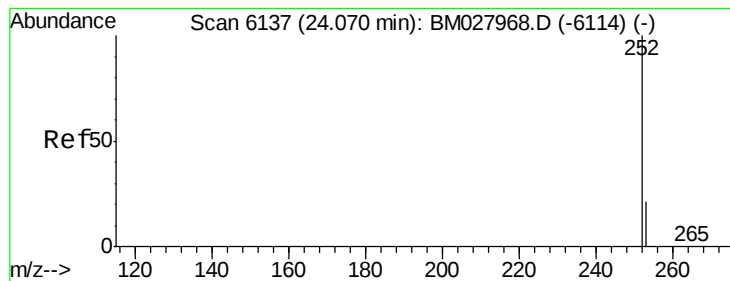


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.958 ng/u1

RT: 24.07 min Scan# 6135

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

Instrument :

BNA_M

ClientSampleId :

C0B76DL

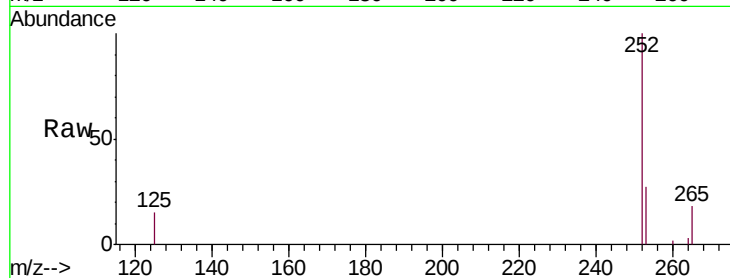
Tgt Ion:252 Resp: 8475

Ion Ratio Lower Upper

252 100

253 26.8 25.2 37.8

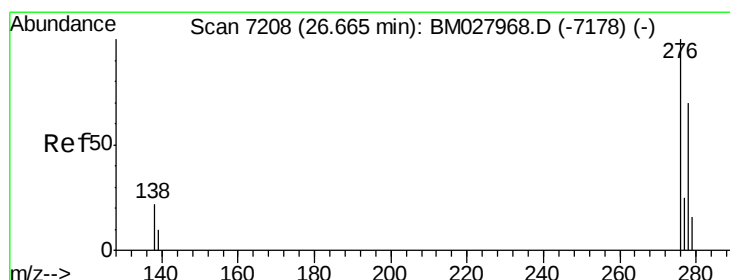
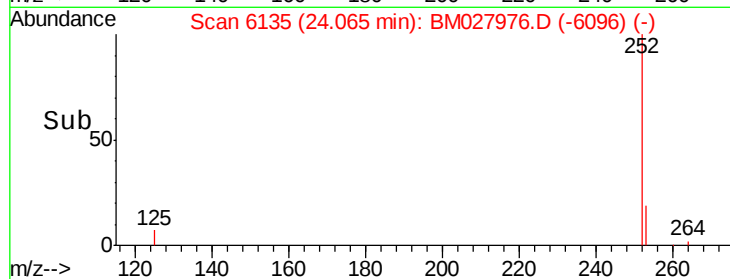
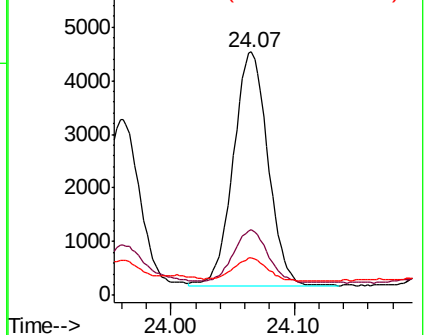
125 15.2 13.8 20.6



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: 0.594 ng/u1

RT: 26.66 min Scan# 7208

Delta R.T. -0.00 min

Lab File: BM027976.D

Acq: 25 Nov 2020 22:38

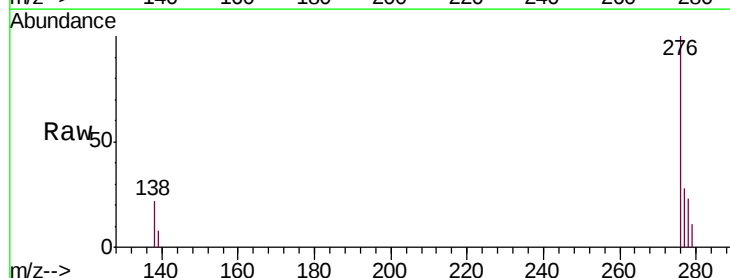
Tgt Ion:276 Resp: 5690

Ion Ratio Lower Upper

276 100

138 18.4 15.7 23.5

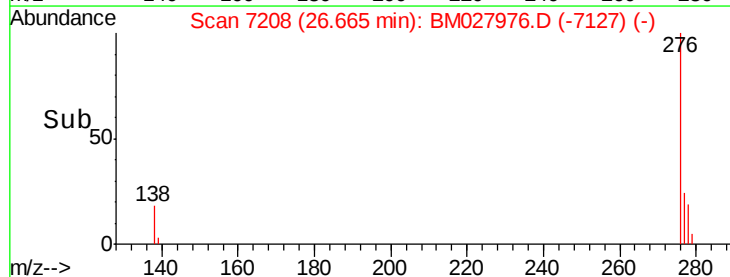
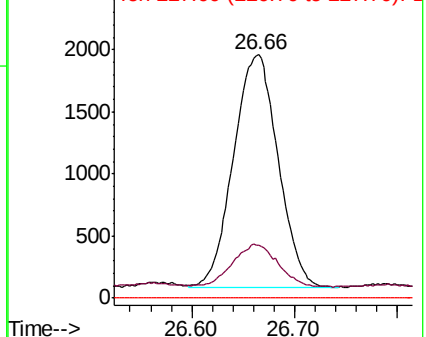
227 0.0 0.0 0.0

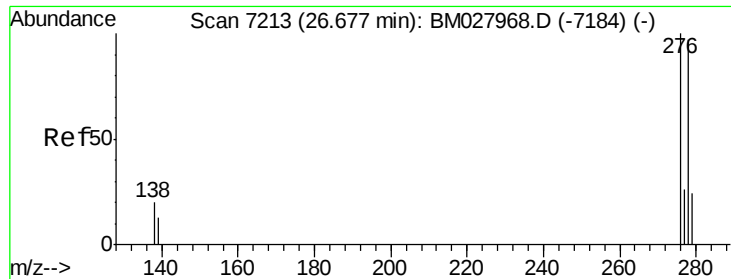


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

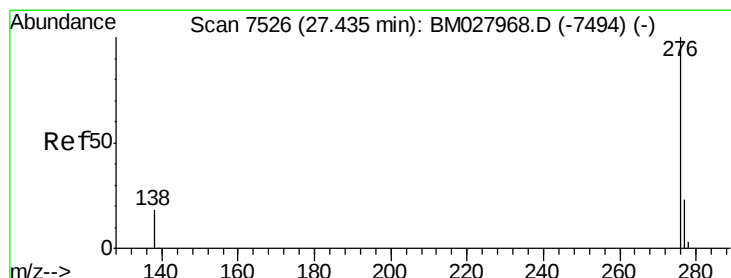
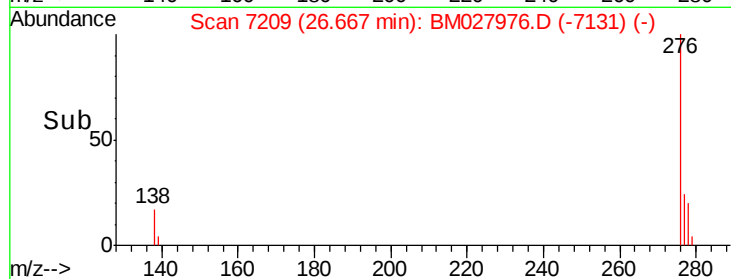
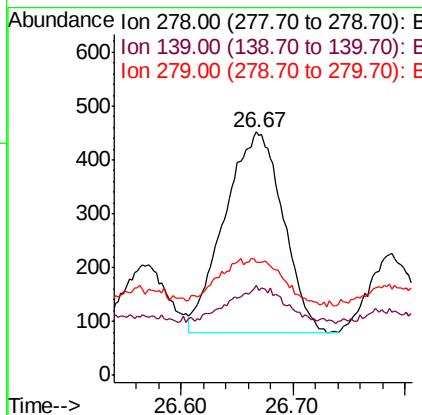
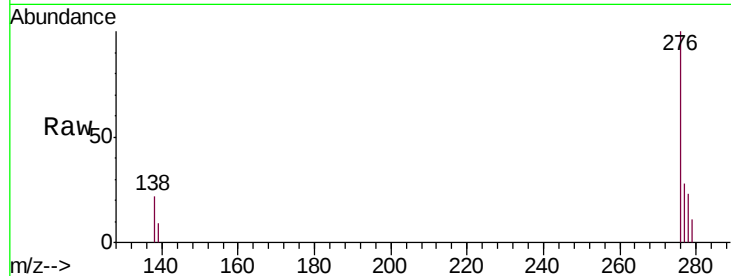




#25
Dibenzo(a,h)anthracene
Concen: 0.169 ng/ul
RT: 26.67 min Scan# 7209
Delta R.T. -0.01 min
Lab File: BM027976.D
Acq: 25 Nov 2020 22:38

Instrument :
BNA_M
ClientSampleId :
C0B76DL

Tgt Ion: 278 Resp: 1346
Ion Ratio Lower Upper
278 100
139 36.9 14.8 22.2#
279 46.5 25.8 38.6#



#26
Benzo(g,h,i)perylene
Concen: 0.641 ng/ul
RT: 27.43 min Scan# 7525
Delta R.T. -0.01 min
Lab File: BM027976.D
Acq: 25 Nov 2020 22:38

Tgt Ion: 276 Resp: 5153
Ion Ratio Lower Upper
276 100
138 23.0 17.4 26.2
277 27.5 22.5 33.7

