

Data File : BM027973.D
Acq On : 25 Nov 2020 20:49
Operator : JU/CG
Sample : L4749-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B75

Quant Time: Nov 26 00:50:23 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	1052	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4195	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2344	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.66	188	4000	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2248	0.40	ng/ul	0.00
20) Perylene-d12	24.18	264	2077	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	1753	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	2539	0.24	ng/ul	0.00

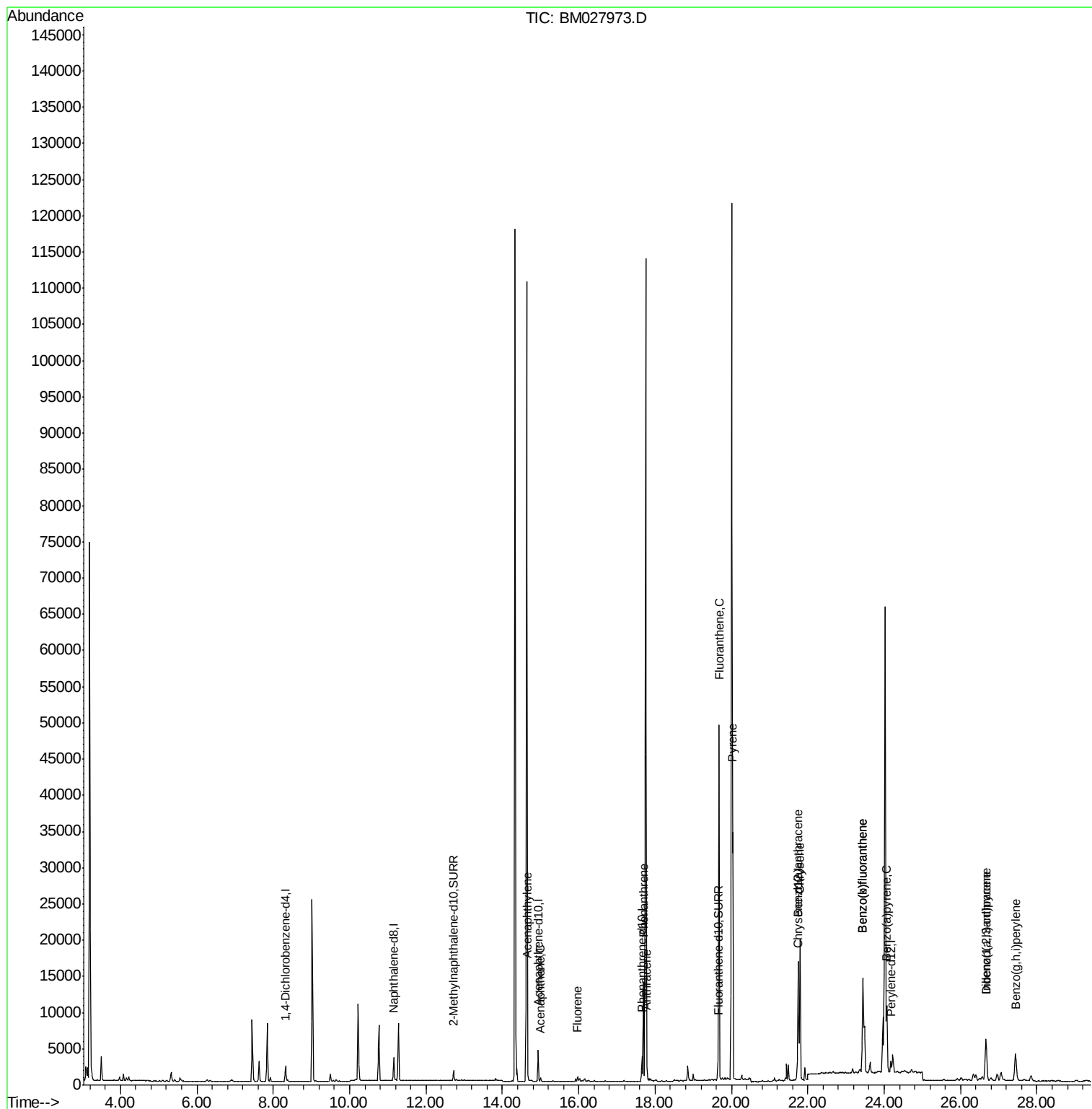
Target Compounds				Qvalue		
7) Acenaphthylene	14.66	152	250	0.022	ng/ul#	51
8) Acenaphthene	15.00	153	290	0.034	ng/ul	95
9) Fluorene	15.97	166	374	0.038	ng/ul#	93
12) Phenanthrene	17.69	178	14109	1.117	ng/ul	98
13) Anthracene	17.78	178	1652	0.136	ng/ul#	93
15) Fluoranthene	19.67	202	40178	2.868	ng/ul	98
17) Pyrene	20.03	202	30962	2.712	ng/ul	96
18) Benzo(a)anthracene	21.74	228	14058	1.550	ng/ul	99
19) Chrysene	21.80	228	19447	2.201	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	30663	3.513	ng/ul	92
22) Benzo(k)fluoranthene	23.44	252	30655	3.586	ng/ul#	92
23) Benzo(a)pyrene	24.07	252	13286	1.741	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	26.67	276	9972	1.207	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.67	278	2593	0.377	ng/ul#	83
26) Benzo(g,h,i)perylene	27.44	276	8578	1.237	ng/ul	96

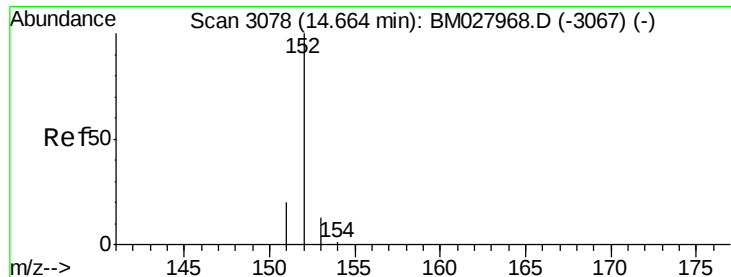
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.022 ng/ul

RT: 14.66 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM027973.D

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BNA_M

ClientSampleId :

C0B75

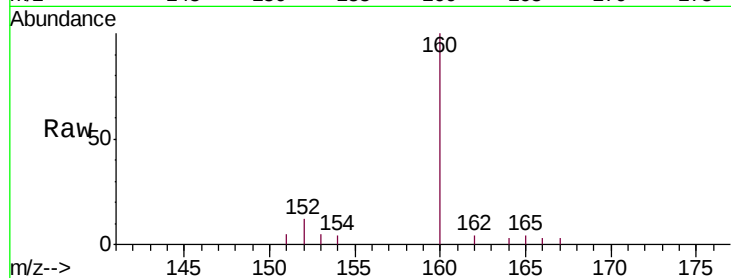
Tgt Ion:152 Resp: 250

Ion Ratio Lower Upper

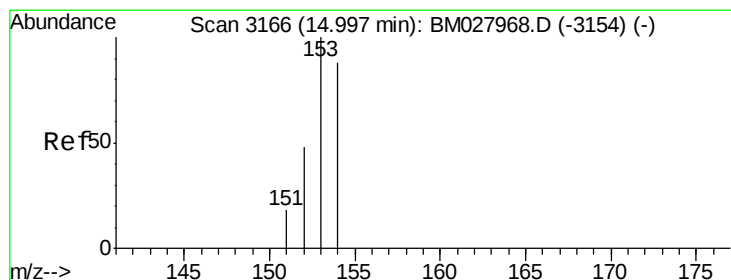
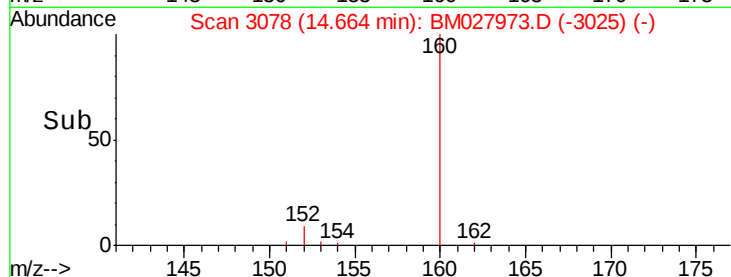
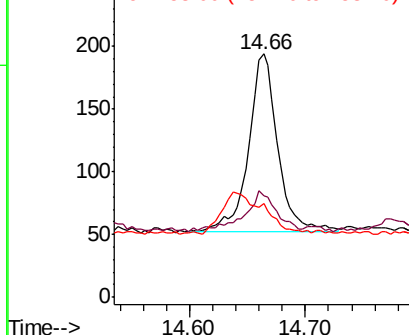
152 100

151 41.8 17.1 25.7#

153 38.7 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: 0.034 ng/ul

RT: 15.00 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

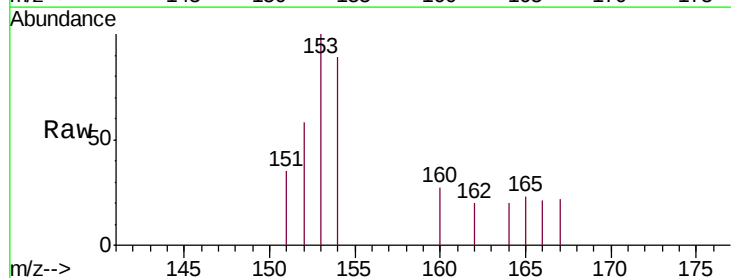
Tgt Ion:153 Resp: 290

Ion Ratio Lower Upper

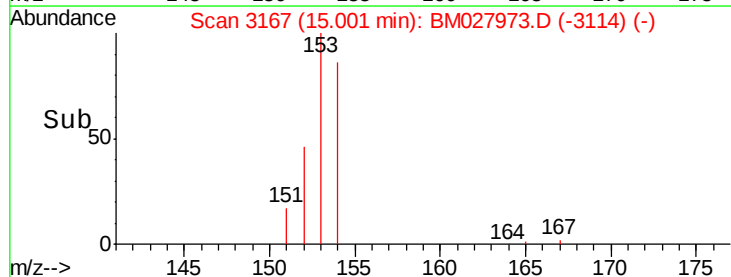
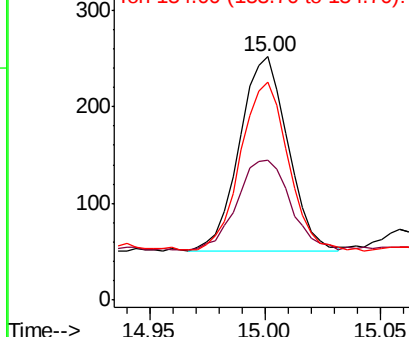
153 100

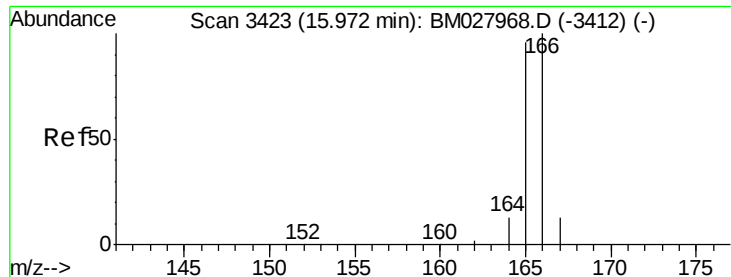
152 57.5 39.0 58.6

154 89.3 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

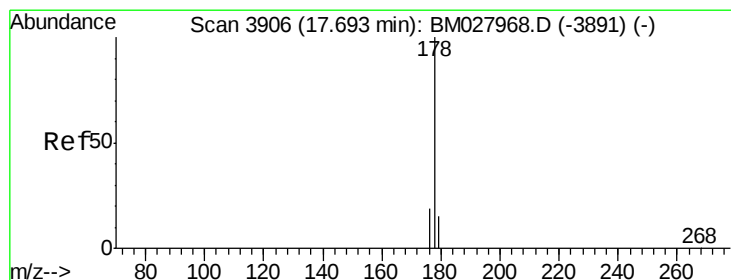
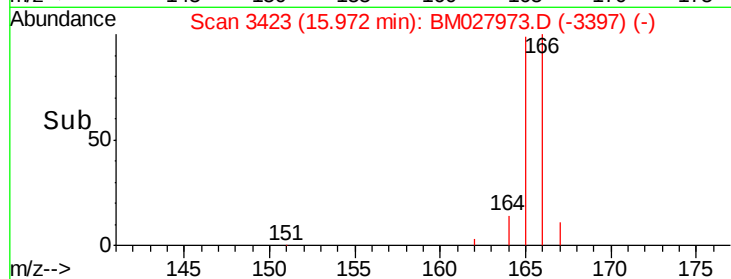
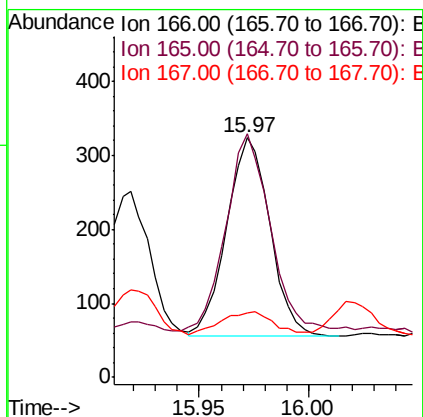
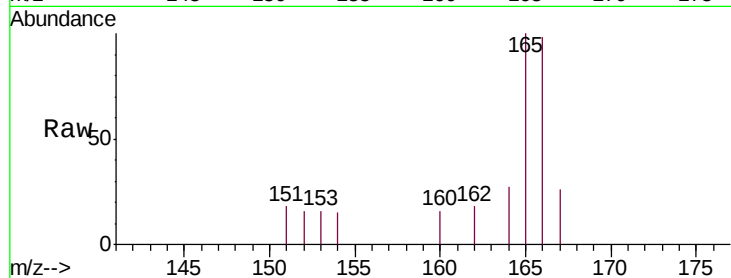




#9
Fluorene
 Concen: 0.038 ng/ul
 RT: 15.97 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BM027973.D
 Acq: 25 Nov 2020 20:49

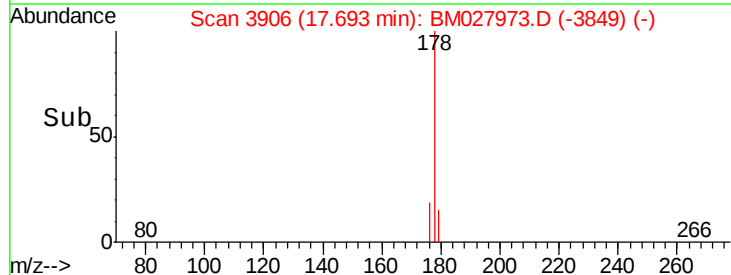
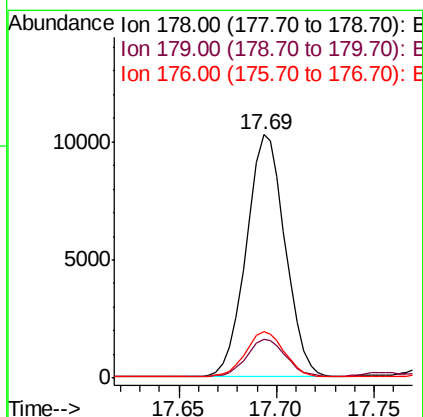
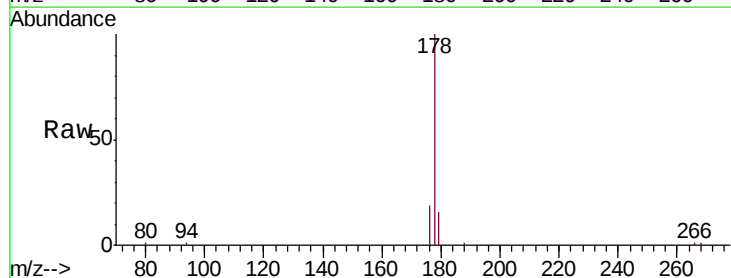
Instrument :
 BNA_M
 ClientSampleId :
 C0B75

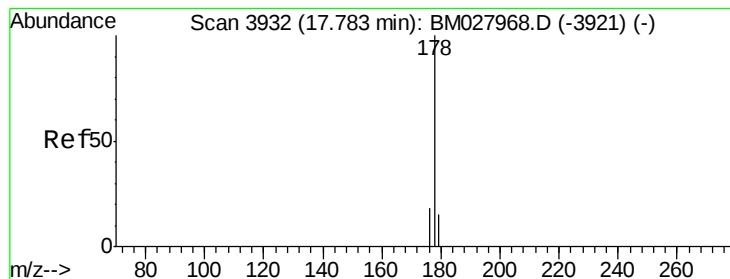
Tgt Ion:166 Resp: 374
 Ion Ratio Lower Upper
 166 100
 165 101.5 78.1 117.1
 167 26.9 11.8 17.8#



#12
Phenanthrene
 Concen: 1.117 ng/ul
 RT: 17.69 min Scan# 3906
 Delta R.T. -0.00 min
 Lab File: BM027973.D
 Acq: 25 Nov 2020 20:49

Tgt Ion:178 Resp: 14109
 Ion Ratio Lower Upper
 178 100
 179 16.1 13.6 20.4
 176 19.3 16.1 24.1





#13

Anthracene

Concen: 0.136 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

Instrument :

BNA_M

ClientSampleId :

C0B75

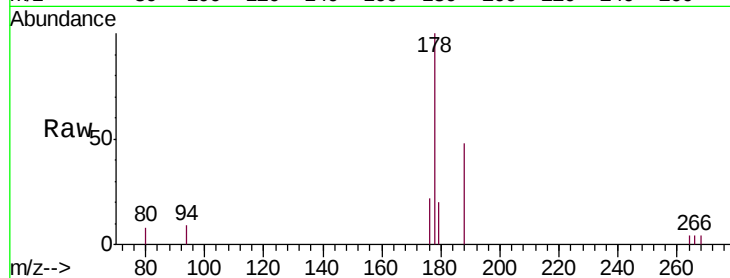
Tgt Ion:178 Resp: 1652

Ion Ratio Lower Upper

178 100

179 20.3 13.4 20.2#

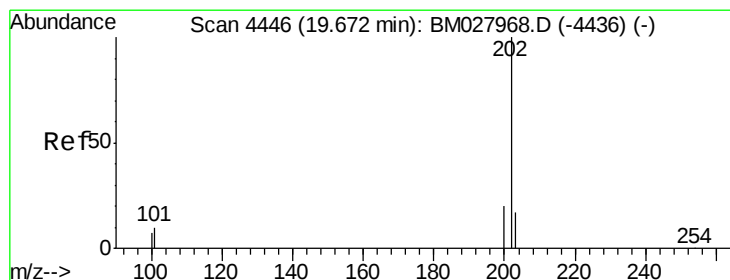
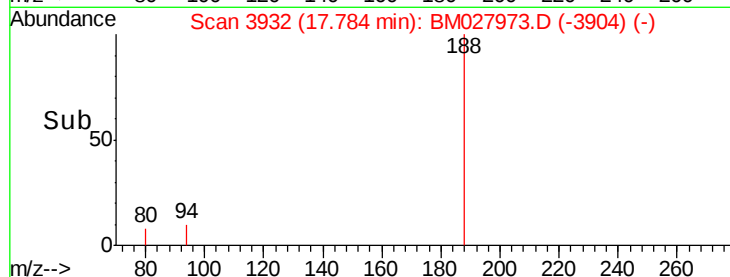
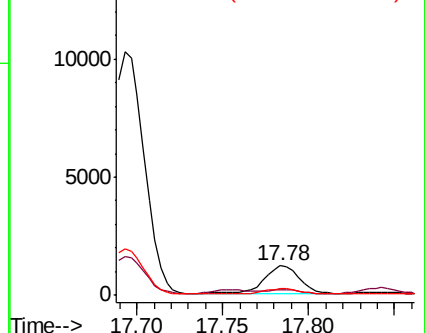
176 21.5 15.0 22.6



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: 2.868 ng/ul

RT: 19.67 min Scan# 4446

Delta R.T. 0.00 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

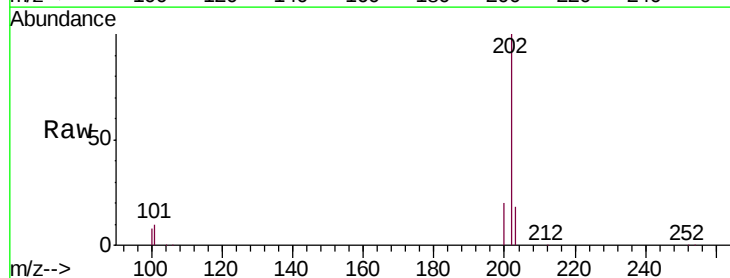
Tgt Ion:202 Resp: 40178

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.3

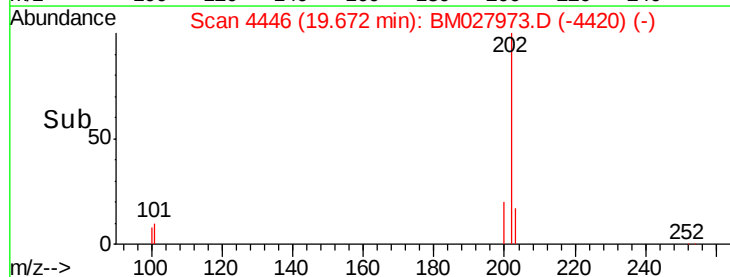
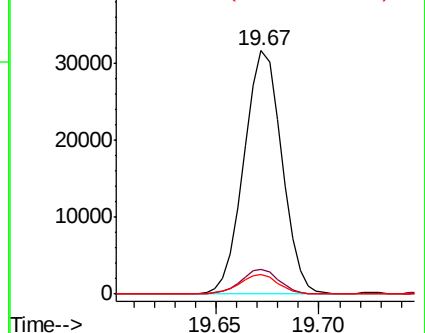
100 8.0 0.0 27.4

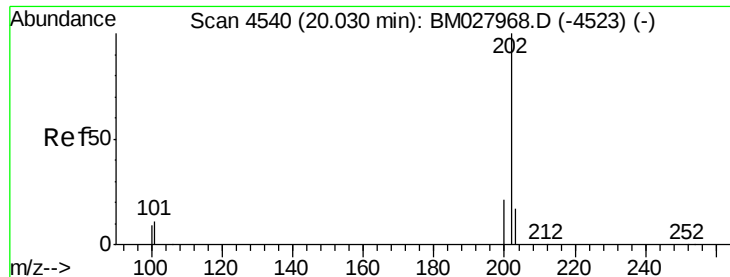


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

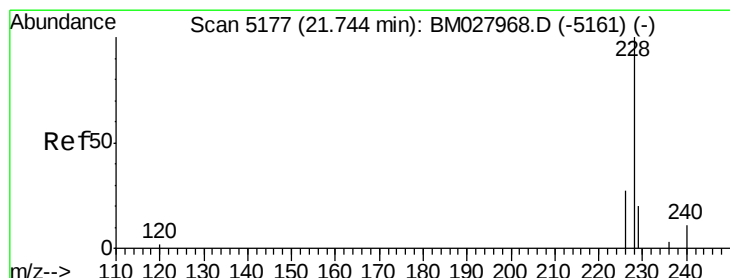
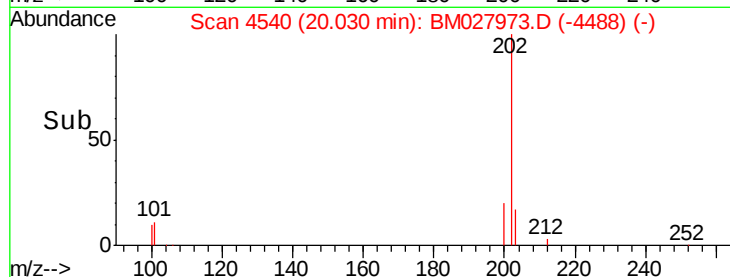
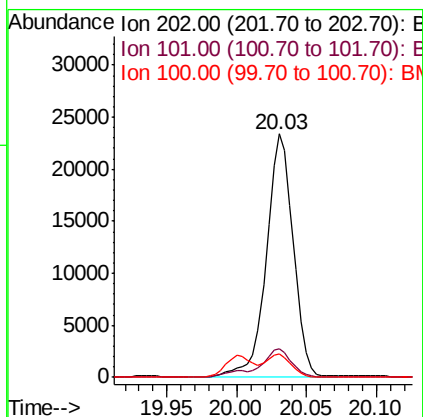
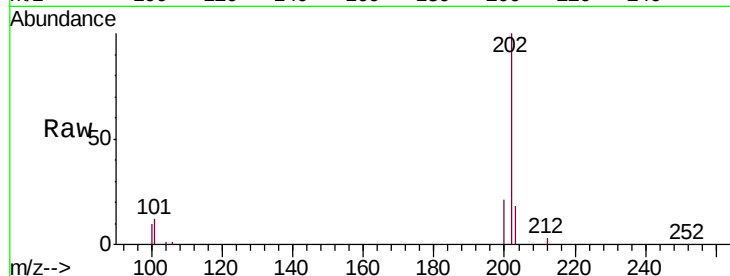




#17
 Pyrene
 Concen: 2.712 ng/ul
 RT: 20.03 min Scan# 4540
 Delta R.T. 0.00 min
 Lab File: BM027973.D
 Acq: 25 Nov 2020 20:49

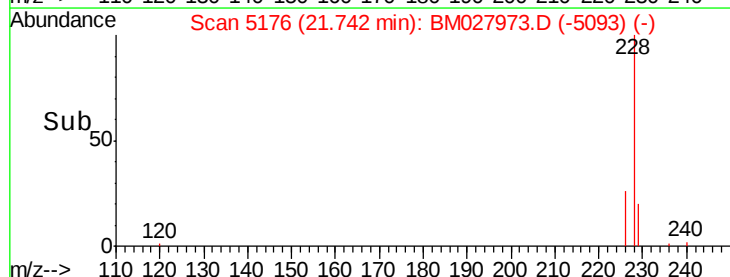
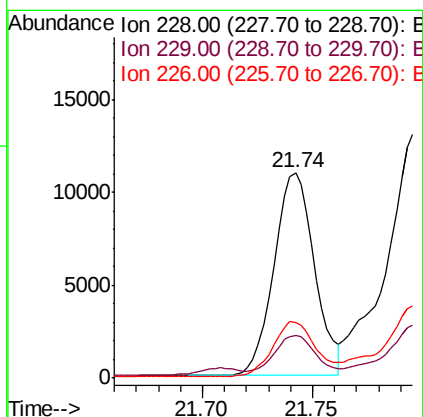
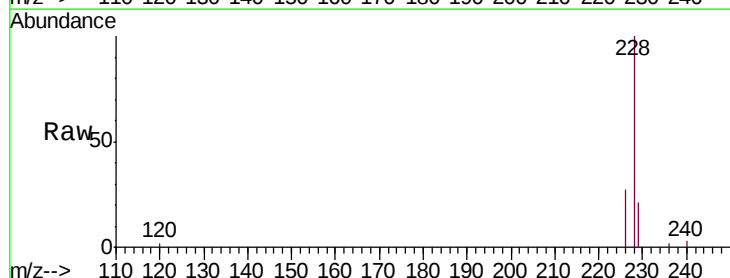
Instrument :
 BNA_M
 ClientSampleId :
 C0B75

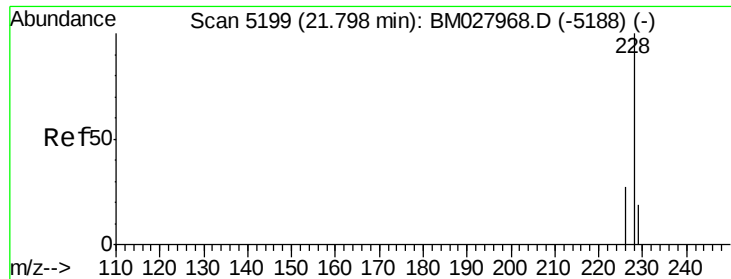
Tgt Ion:202 Resp: 30962
 Ion Ratio Lower Upper
 202 100
 101 11.7 8.2 12.2
 100 9.7 6.9 10.3



#18
 Benzo(a)anthracene
 Concen: 1.550 ng/ul
 RT: 21.74 min Scan# 5176
 Delta R.T. 0.00 min
 Lab File: BM027973.D
 Acq: 25 Nov 2020 20:49

Tgt Ion:228 Resp: 14058
 Ion Ratio Lower Upper
 228 100
 229 21.0 16.2 24.4
 226 26.9 21.5 32.3





#19

Chrysene

Concen: 2.201 ng/ul

RT: 21.80 min Scan# 5198

Delta R.T. -0.00 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

Instrument :

BNA_M

ClientSampleId :

C0B75

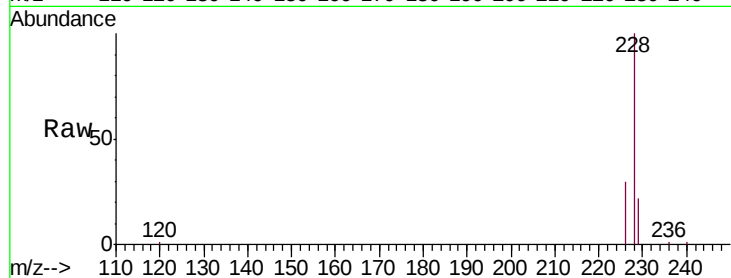
Tgt Ion:228 Resp: 19447

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

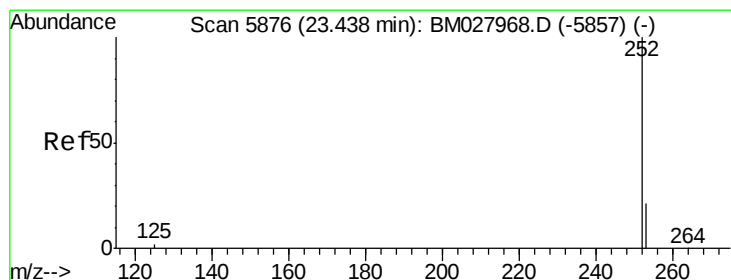
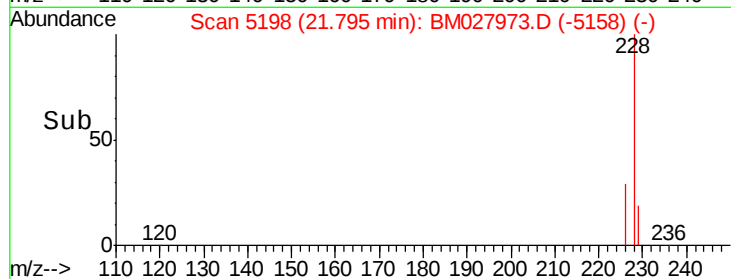
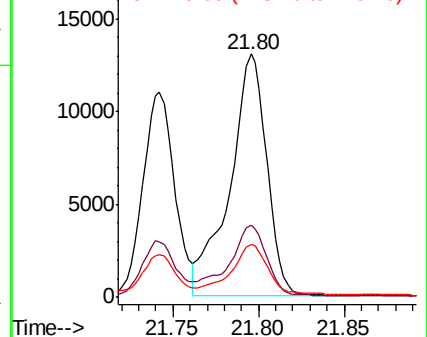
229 21.6 16.6 24.8



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: 3.513 ng/ul

RT: 23.44 min Scan# 5877

Delta R.T. 0.00 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

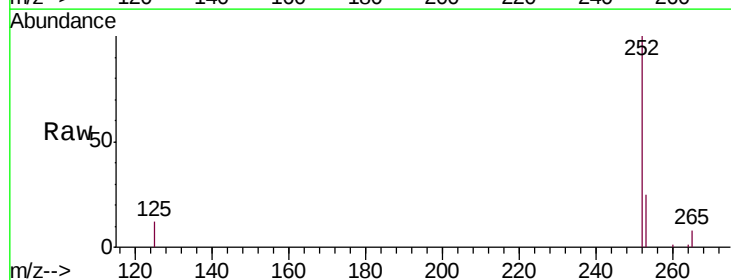
Tgt Ion:252 Resp: 30663

Ion Ratio Lower Upper

252 100

253 24.6 0.0 59.6

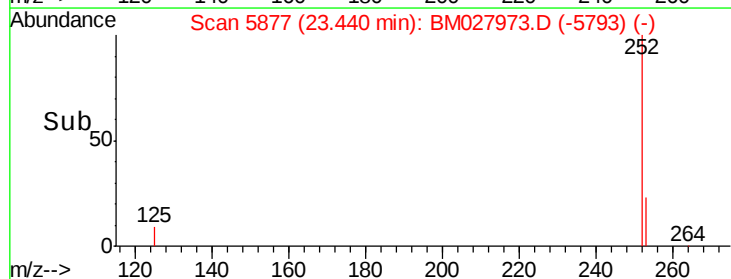
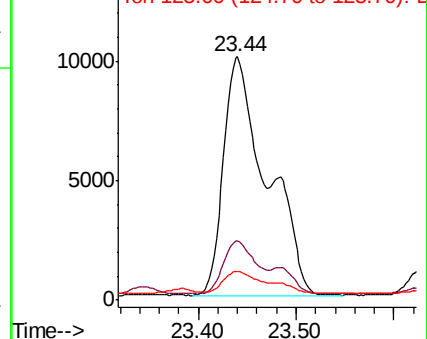
125 11.7 0.0 28.4

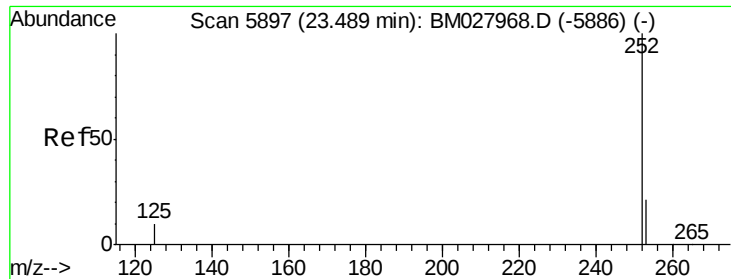


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.586 ng/ul

RT: 23.44 min Scan# 5877

Delta R.T. -0.05 min

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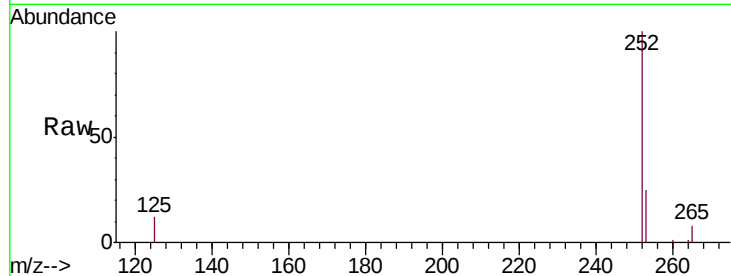
Tgt Ion:252 Resp: 30655

Ion Ratio Lower Upper

252 100

253 24.6 23.2 34.8

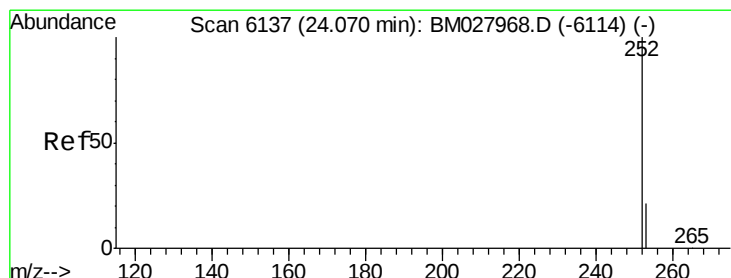
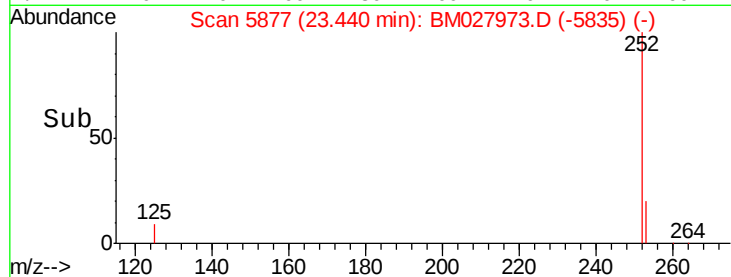
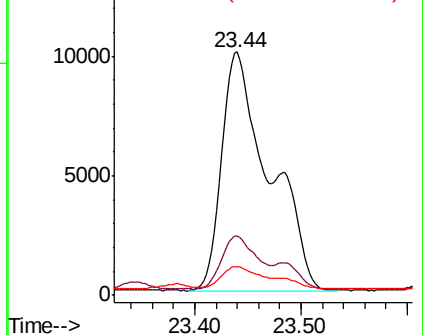
125 11.7 11.8 17.6#



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: 1.741 ng/ul

RT: 24.07 min Scan# 6136

Delta R.T. -0.00 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

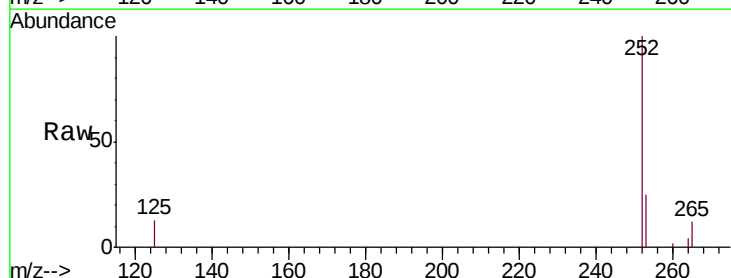
Tgt Ion:252 Resp: 13286

Ion Ratio Lower Upper

252 100

253 25.1 25.2 37.8#

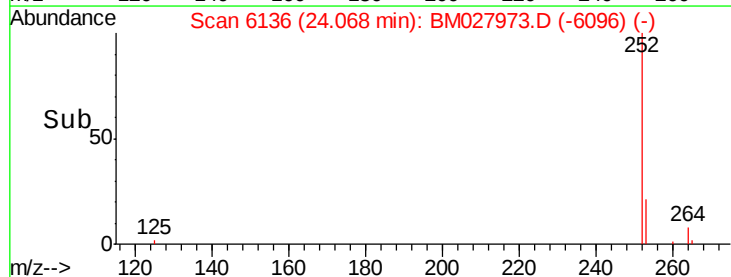
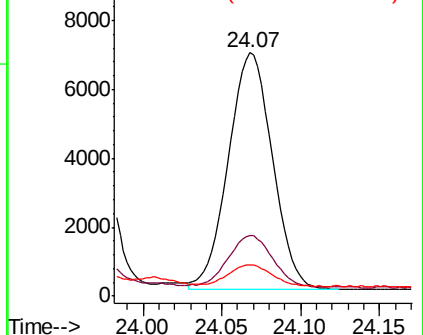
125 12.9 13.8 20.6#

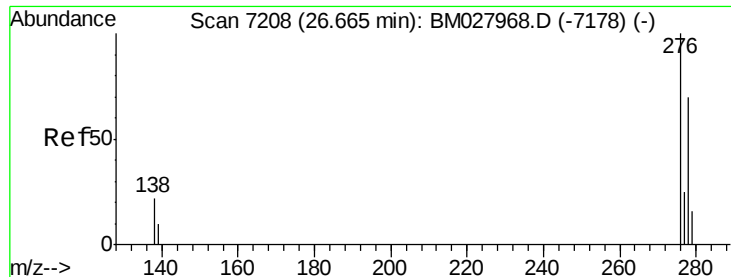


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.207 ng/u1

RT: 26.67 min Scan# 7208

Delta R.T. -0.00 min

Lab File: BM027973.D

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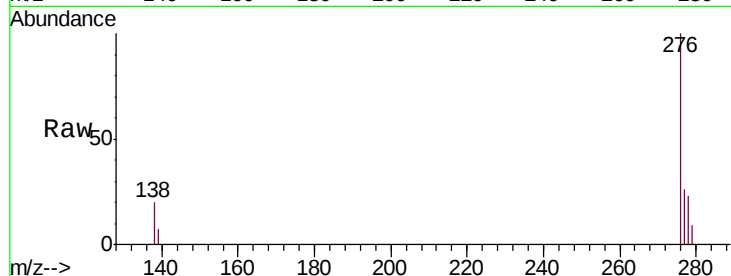
Tgt Ion:276 Resp: 9972

Ion Ratio Lower Upper

276 100

138 18.4 15.7 23.5

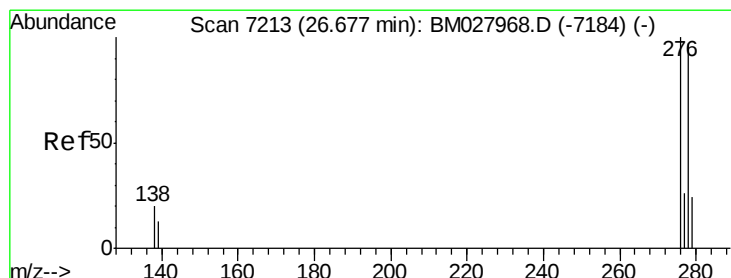
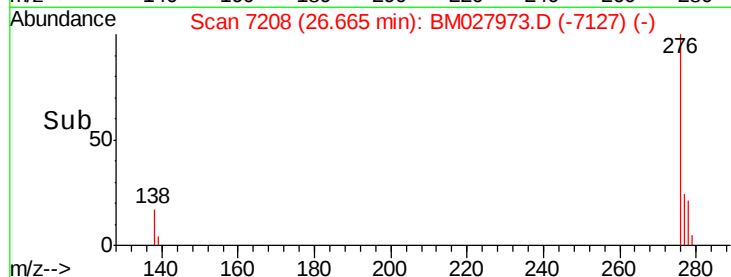
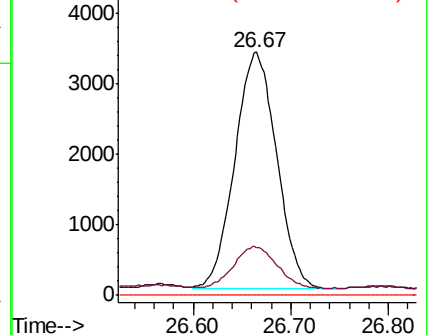
227 0.0 0.0 0.0



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: 0.377 ng/u1

RT: 26.67 min Scan# 7211

Delta R.T. -0.01 min

Lab File: BM027973.D

Acq: 25 Nov 2020 20:49

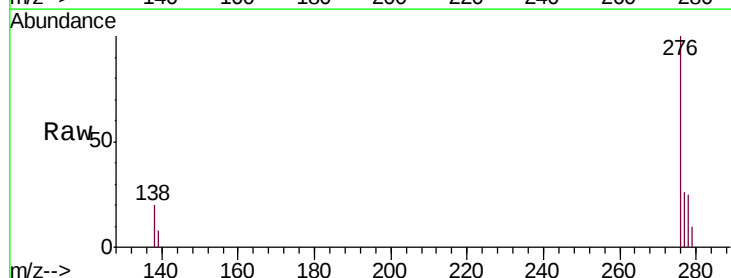
Tgt Ion:278 Resp: 2593

Ion Ratio Lower Upper

278 100

139 31.1 14.8 22.2#

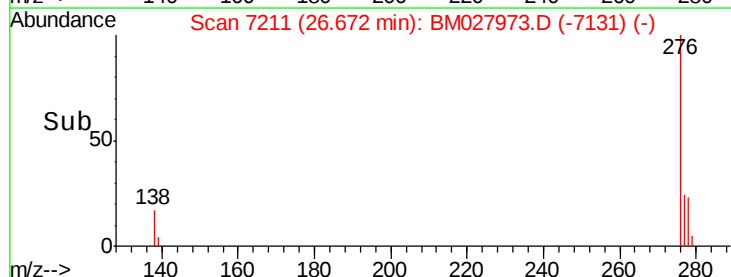
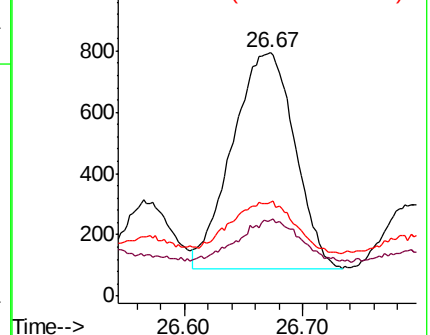
279 38.5 25.8 38.6

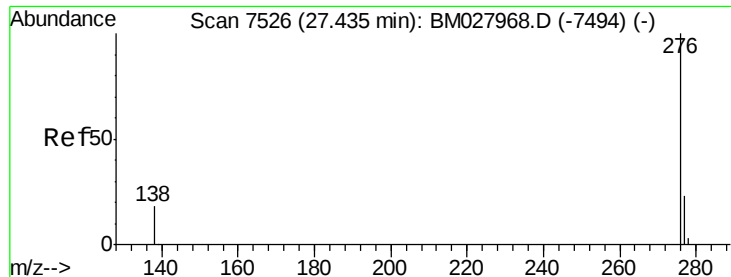


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#26

Benzo(g,h,i)perylene

Concen: 1.237 ng/ul

RT: 27.44 min Scan# 7526

Delta R.T. -0.01 min

Lab File: BM027973.D

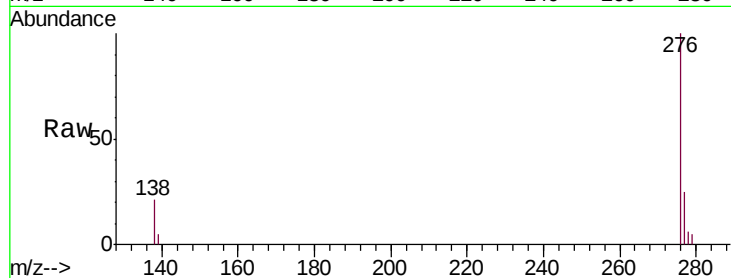
Acq: 25 Nov 2020 20:49

Instrument :

BNA_M

ClientSampleId :

C0B75



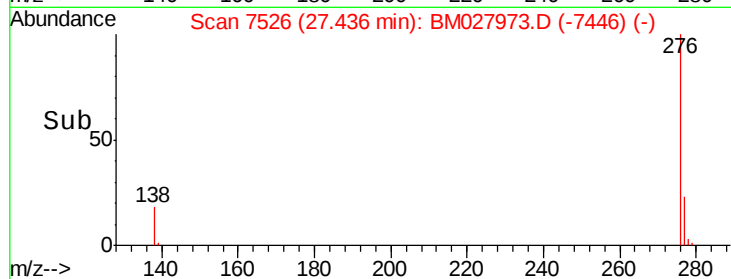
Tgt Ion: 276 Resp: 8578

Ion Ratio Lower Upper

276 100

138 20.8 17.4 26.2

277 25.4 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

