

Data File : BM027975.D
Acq On : 25 Nov 2020 22:01
Operator : JU/CG
Sample : L4749-08DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B73DL

Quant Time: Nov 26 00:50:42 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	1014	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4119	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2409	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4554	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2766	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2756	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	615	0.09	ng/ul	0.00
14) Fluoranthene-d10	19.65	212	1071	0.09	ng/ul	0.00

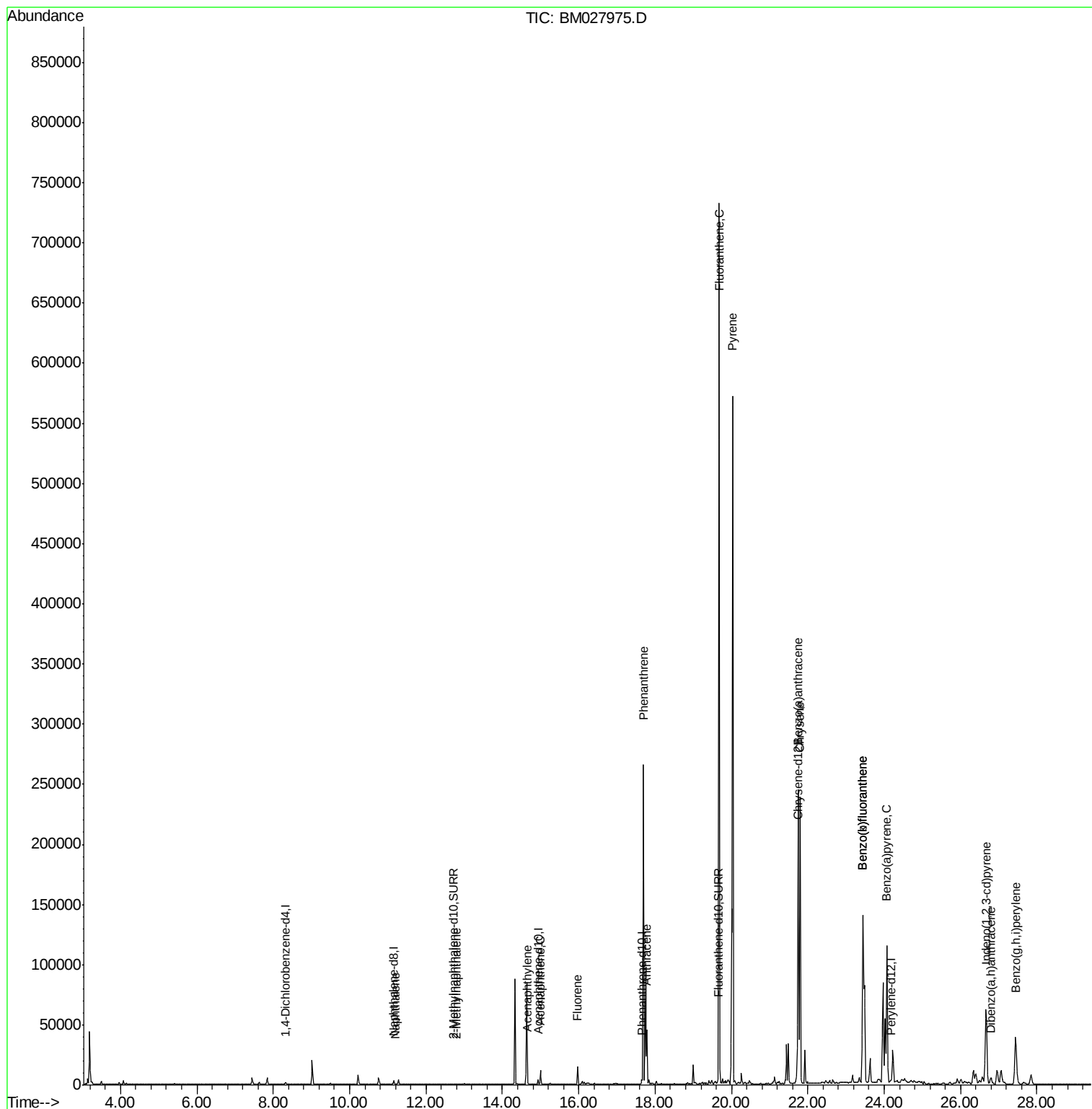
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.21	128	519	0.042	ng/ul#	76
5) 2-Methylnaphthalene	12.79	142	332	0.040	ng/ul	98
7) Acenaphthylene	14.66	152	1020	0.087	ng/ul#	85
8) Acenaphthene	15.00	153	6754	0.767	ng/ul	99
9) Fluorene	15.97	166	9320	0.912	ng/ul	100
12) Phenanthrene	17.69	178	273435	19.007	ng/ul	97
13) Anthracene	17.78	178	45866	3.305	ng/ul	98
15) Fluoranthene	19.68	202	609975	38.241	ng/ul	99
17) Pyrene	20.03	202	480880	34.232	ng/ul	98
18) Benzo(a)anthracene	21.74	228	212587	19.049	ng/ul	100
19) Chrysene	21.80	228	232350	21.375	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	349699	30.192	ng/ul	87
22) Benzo(k)fluoranthene	23.44	252	349699	30.831	ng/ul#	88
23) Benzo(a)pyrene	24.07	252	164133	16.208	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	26.67	276	106001	9.668	ng/ul#	97
25) Dibenzo(a,h)anthracene	26.79	278	8683	0.951	ng/ul	99
26) Benzo(g,h,i)perylene	27.44	276	88016	9.568	ng/ul	93

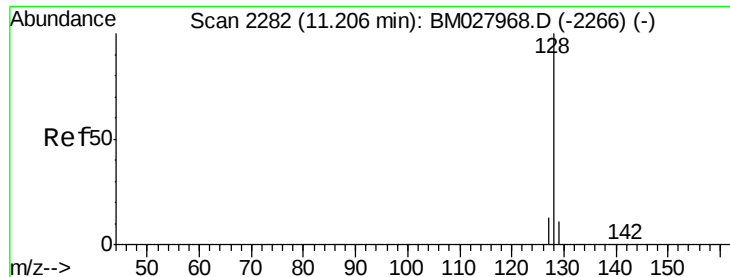
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BM027975.D
Acq On : 25 Nov 2020 22:01
Operator : JU/CG
Sample : L4749-08DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B73DL

Quant Time: Nov 26 00:50:42 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





#3

Naphthalene

Concen: 0.042 ng/ul

RT: 11.21 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

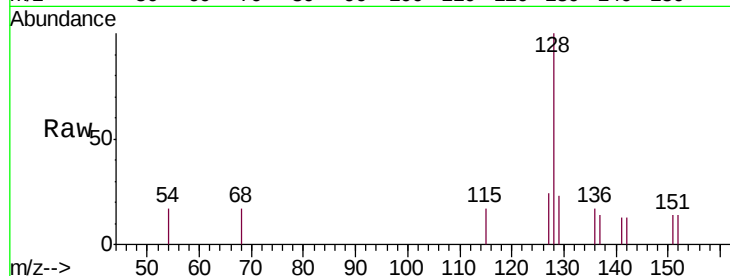
Tgt Ion:128 Resp: 519

Ion Ratio Lower Upper

128 100

129 23.1 10.4 15.6#

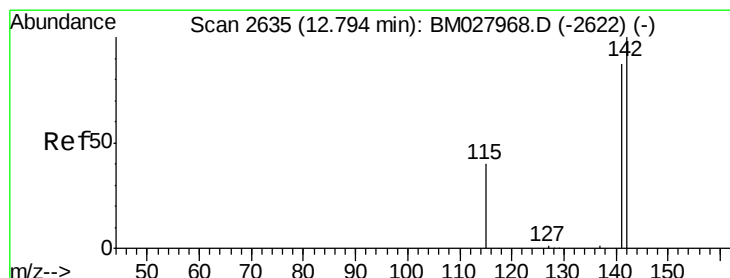
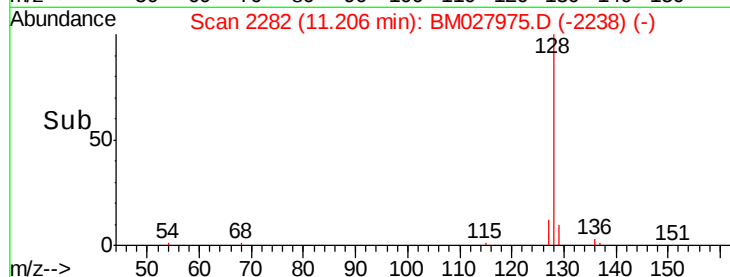
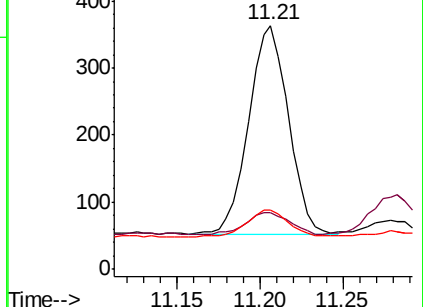
127 24.2 12.0 18.0#



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: 0.040 ng/ul

RT: 12.79 min Scan# 2635

Delta R.T. 0.00 min

Lab File: BM027975.D

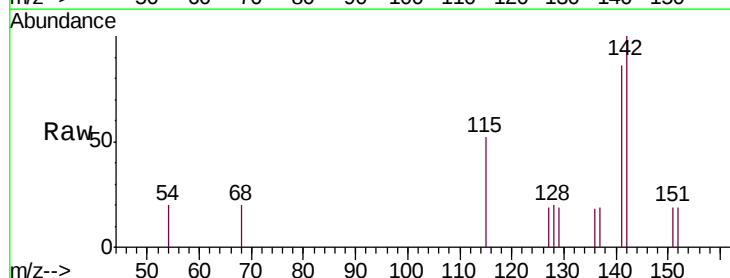
Acq: 25 Nov 2020 22:01

Tgt Ion:142 Resp: 332

Ion Ratio Lower Upper

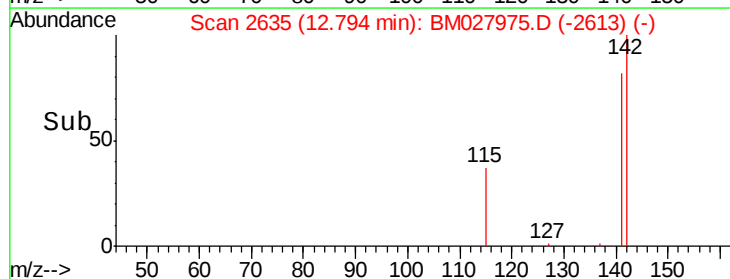
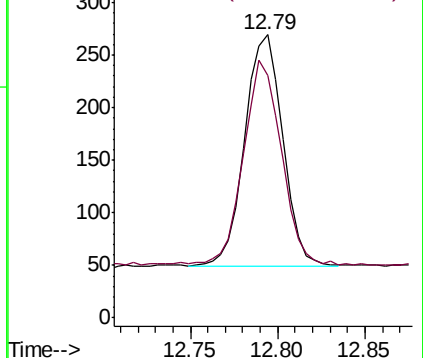
142 100

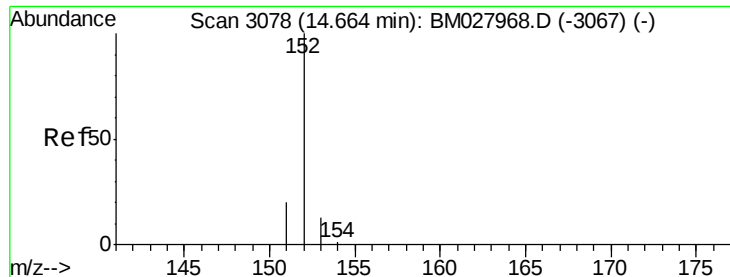
141 87.3 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.087 ng/ul

RT: 14.66 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

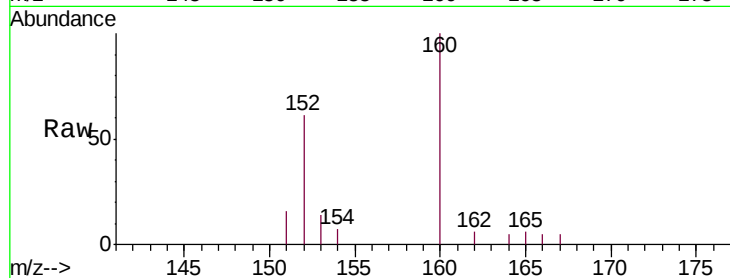
Tgt Ion:152 Resp: 1020

Ion Ratio Lower Upper

152 100

151 26.3 17.1 25.7#

153 23.8 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

14.66

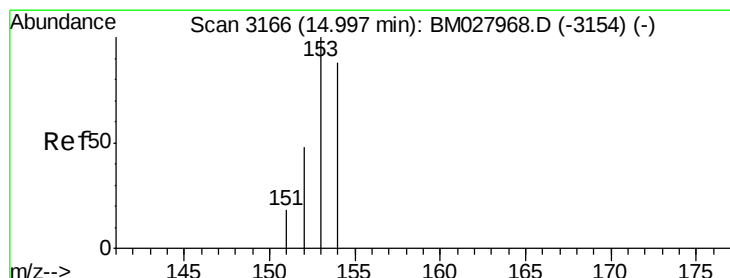
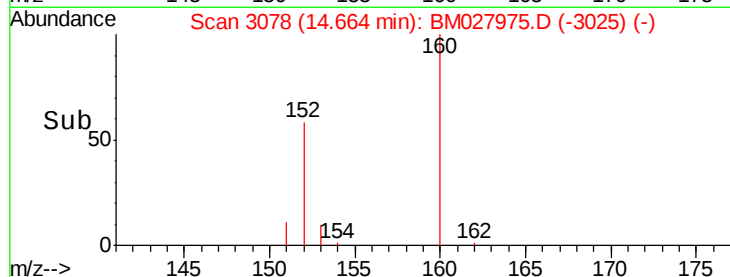
600

400

200

0

Time-->



#8

Acenaphthene

Concen: 0.767 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

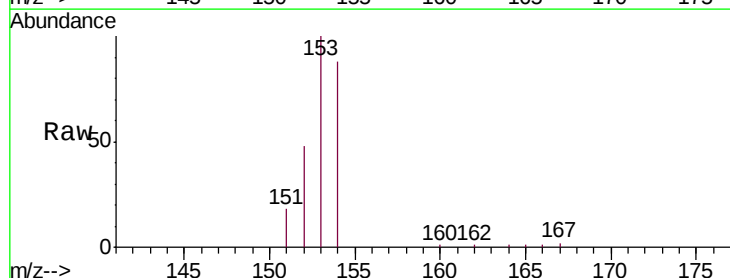
Tgt Ion:153 Resp: 6754

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.6

154 88.1 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

15.00

6000

5000

4000

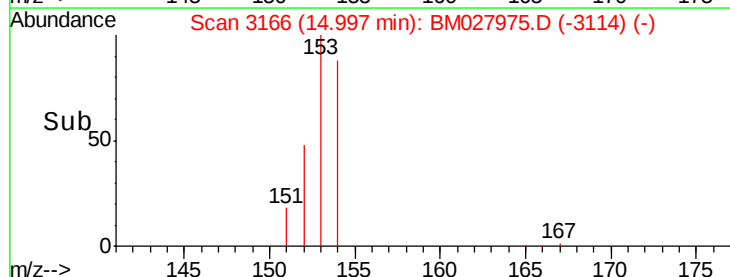
3000

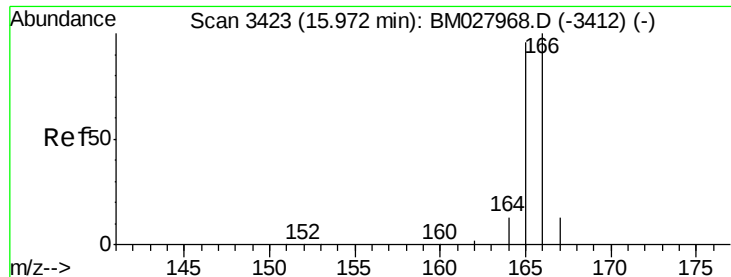
2000

1000

0

Time-->





#9

Fluorene

Concen: 0.912 ng/ul

RT: 15.97 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

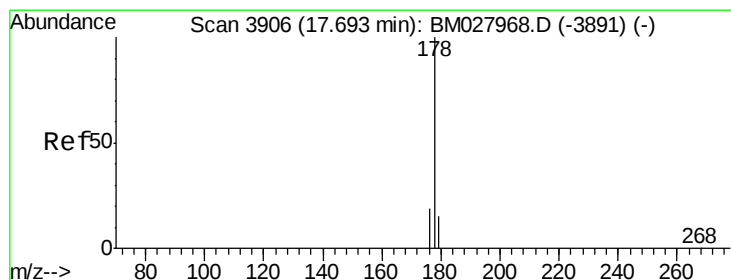
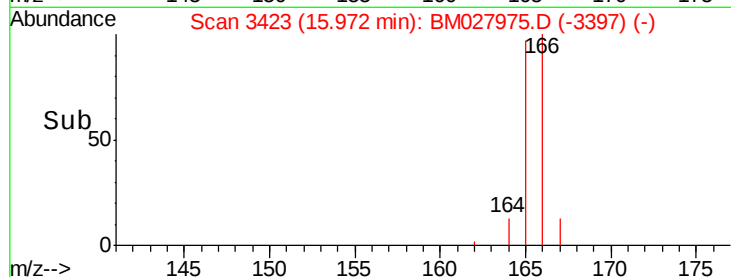
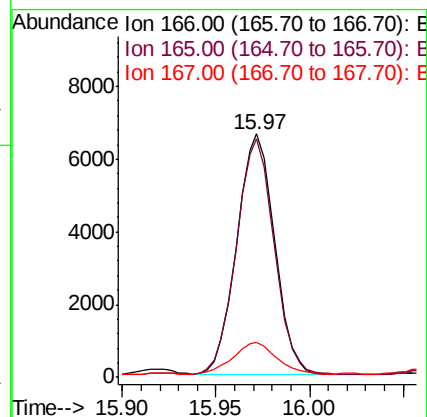
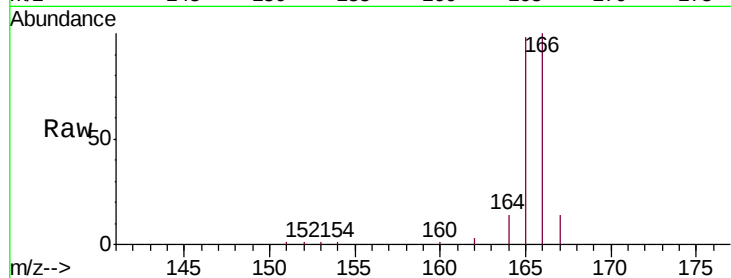
Tgt Ion:166 Resp: 9320

Ion Ratio Lower Upper

166 100

165 97.8 78.1 117.1

167 14.4 11.8 17.8



#12

Phenanthrene

Concen: 19.007 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

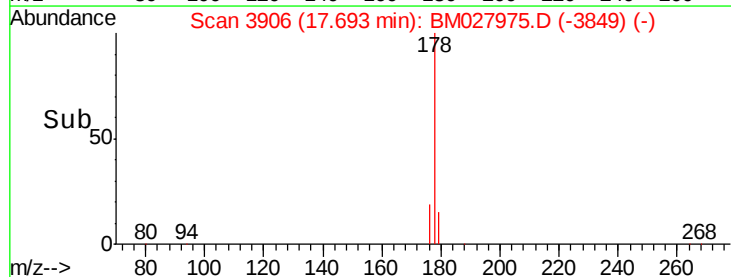
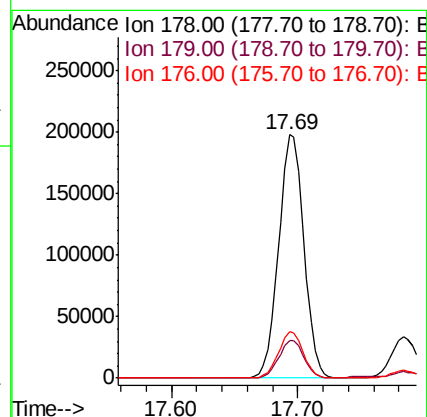
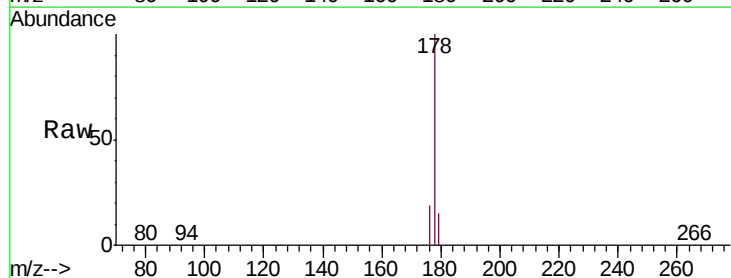
Tgt Ion:178 Resp: 273435

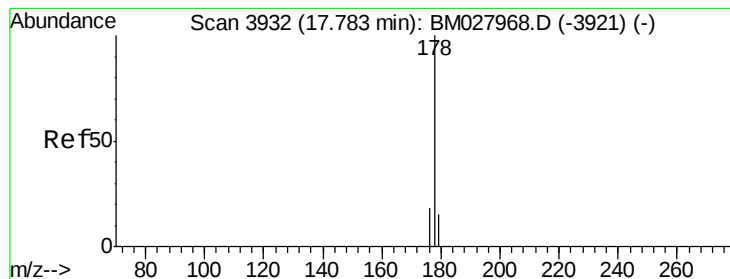
Ion Ratio Lower Upper

178 100

179 15.3 13.6 20.4

176 18.9 16.1 24.1





#13

Anthracene

Concen: 3.305 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

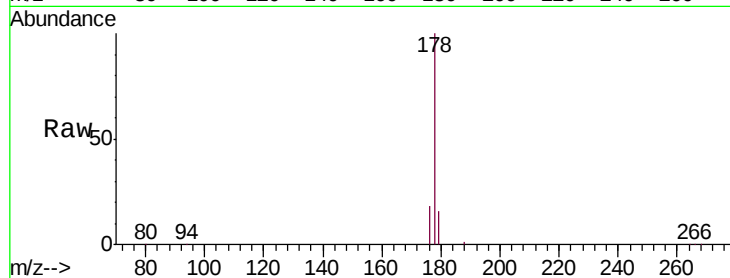
Tgt Ion:178 Resp: 45866

Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.2

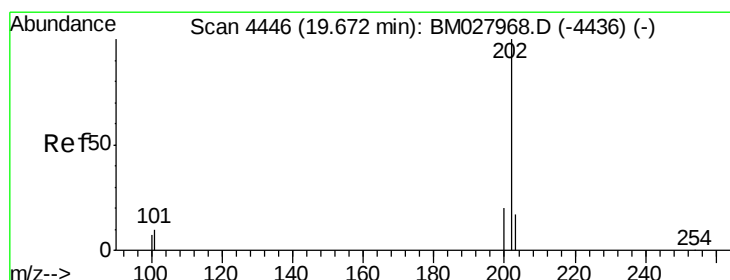
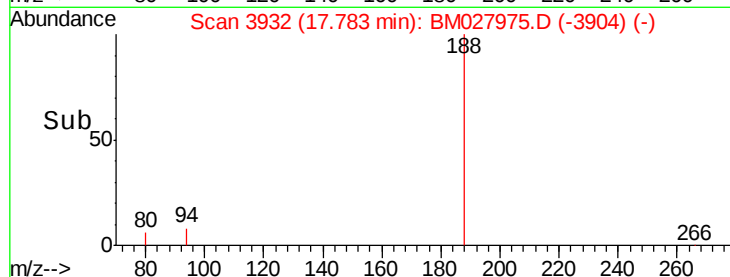
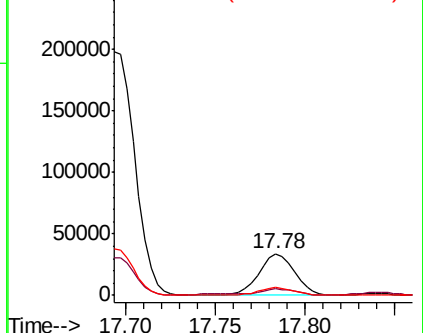
176 18.2 15.0 22.6



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: 38.241 ng/ul

RT: 19.68 min Scan# 4447

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

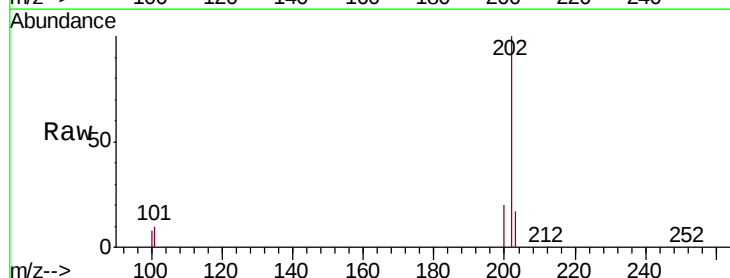
Tgt Ion:202 Resp: 609975

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.3

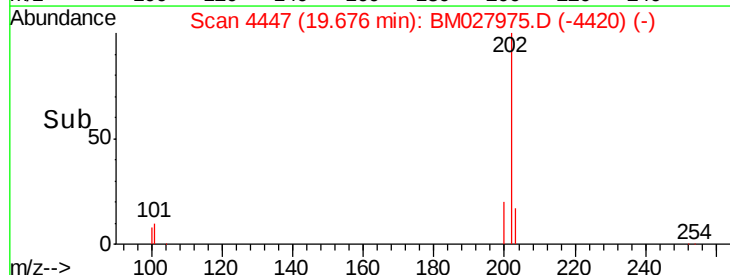
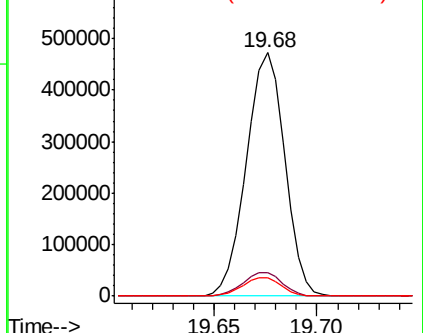
100 7.7 0.0 27.4

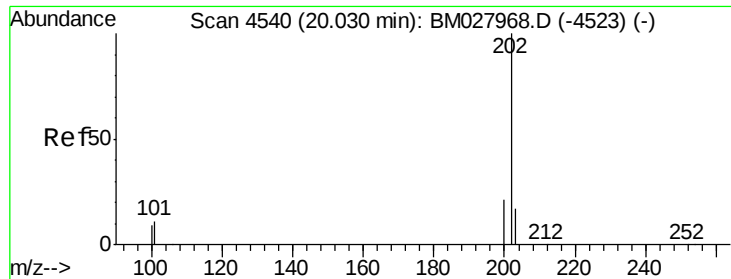


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pyrene

Concen: 34.232 ng/ul

RT: 20.03 min Scan# 4541

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

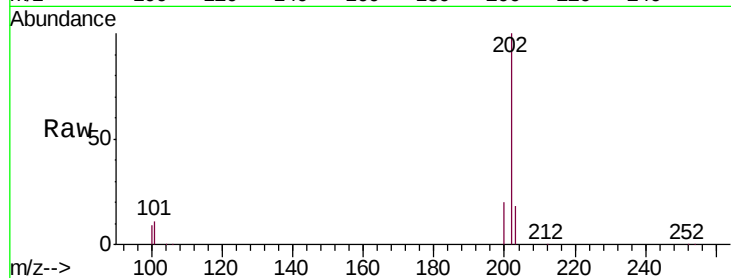
Tgt Ion:202 Resp: 480880

Ion Ratio Lower Upper

202 100

101 11.1 8.2 12.2

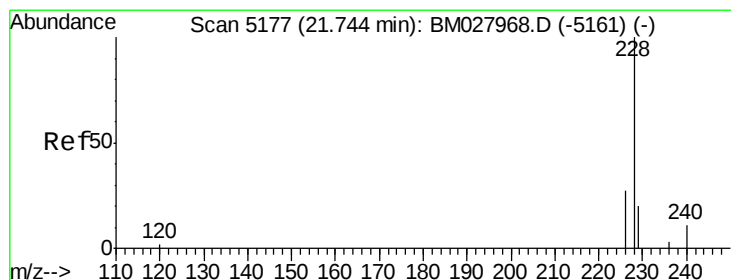
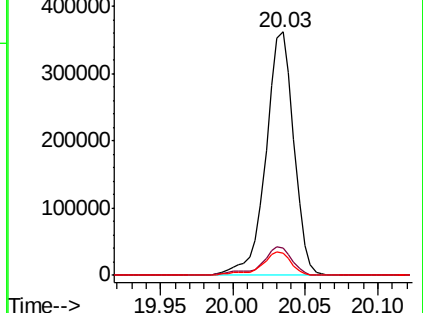
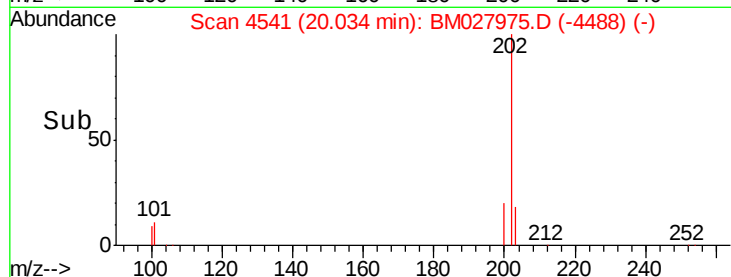
100 9.1 6.9 10.3



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: 19.049 ng/ul

RT: 21.74 min Scan# 5176

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

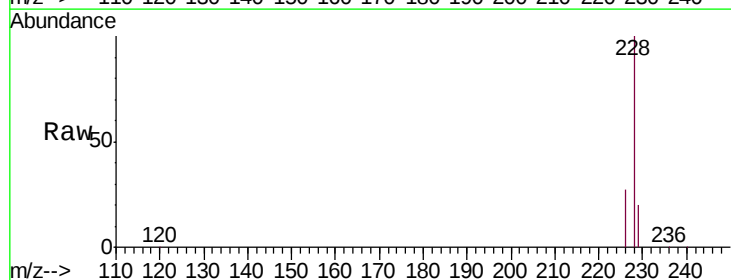
Tgt Ion:228 Resp: 212587

Ion Ratio Lower Upper

228 100

229 20.1 16.2 24.4

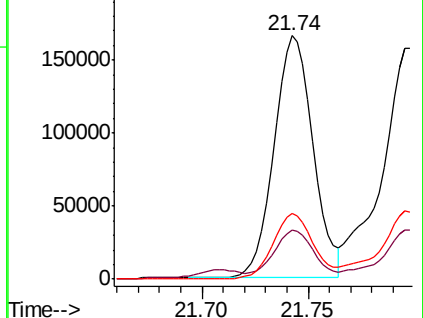
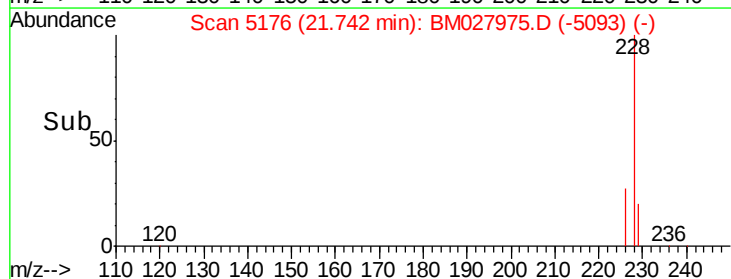
226 26.8 21.5 32.3

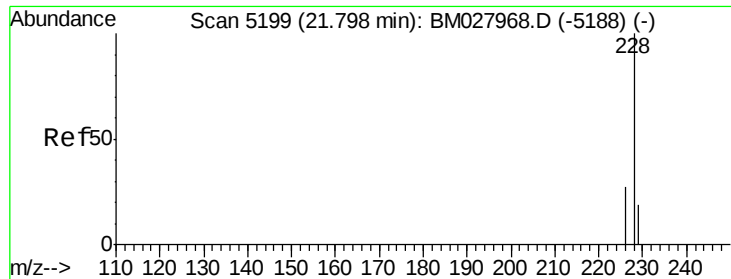


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 21.375 ng/ul

RT: 21.80 min Scan# 5198

Delta R.T. -0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

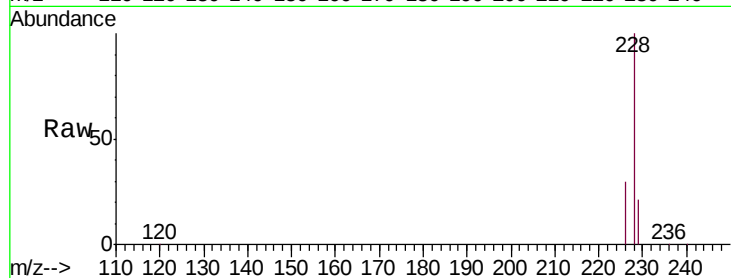
Tgt Ion:228 Resp: 232350

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

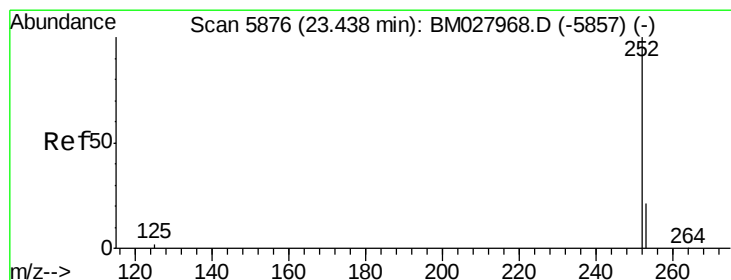
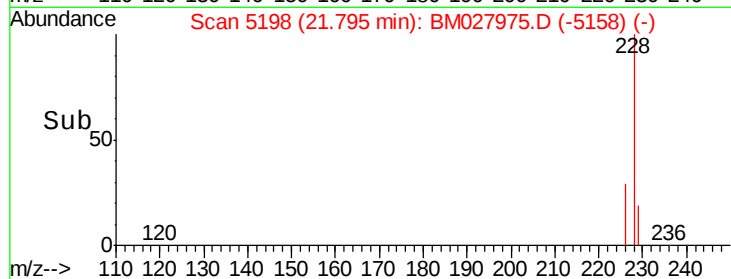
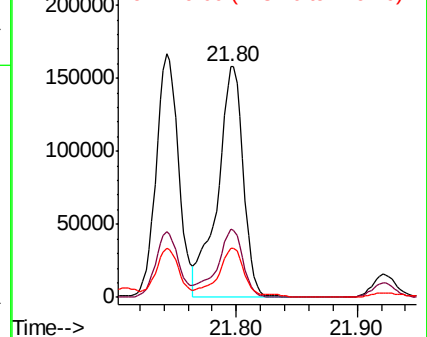
229 21.4 16.6 24.8



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: 30.192 ng/ul

RT: 23.44 min Scan# 5878

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

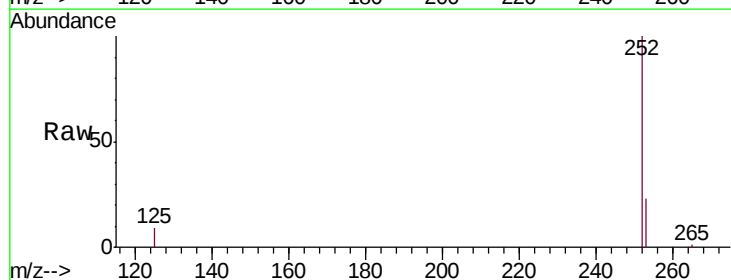
Tgt Ion:252 Resp: 349699

Ion Ratio Lower Upper

252 100

253 22.8 0.0 59.6

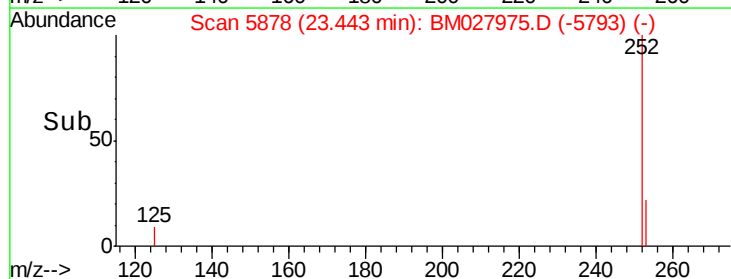
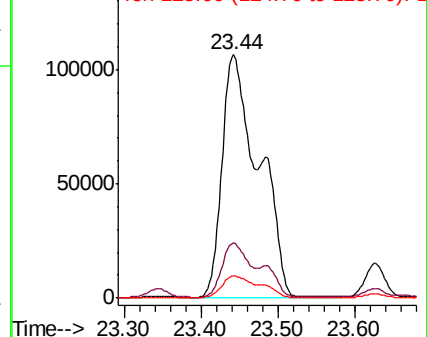
125 9.2 0.0 28.4

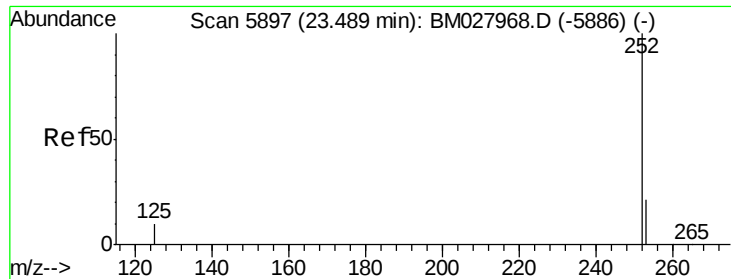


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 30.831 ng/u1

RT: 23.44 min Scan# 5878

Delta R.T. -0.05 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL

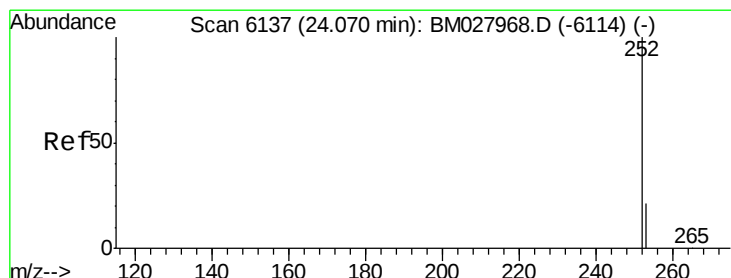
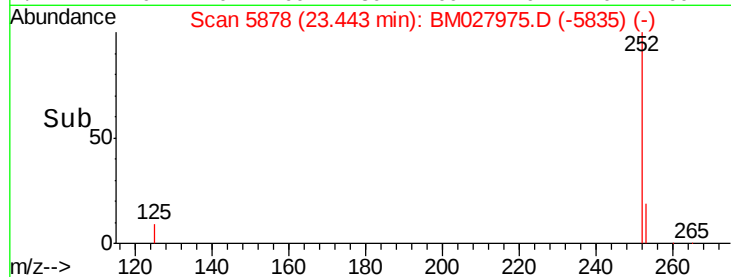
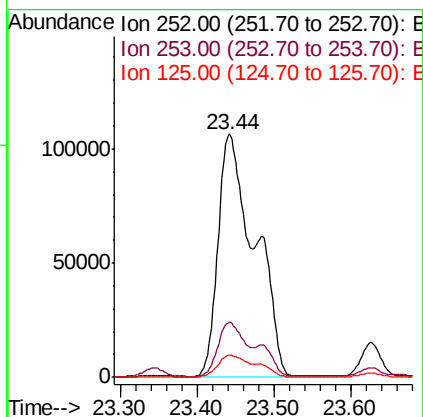
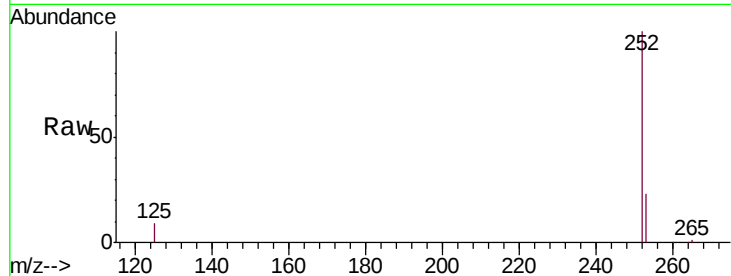
Tgt Ion:252 Resp: 349699

Ion Ratio Lower Upper

252 100

253 22.8 23.2 34.8#

125 9.2 11.8 17.6#



#23

Benzo(a)pyrene

Concen: 16.208 ng/u1

RT: 24.07 min Scan# 6137

Delta R.T. 0.00 min

Lab File: BM027975.D

Acq: 25 Nov 2020 22:01

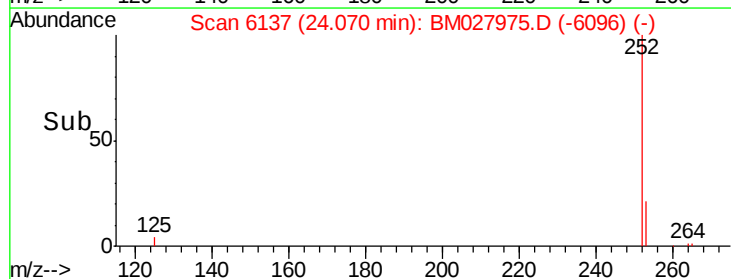
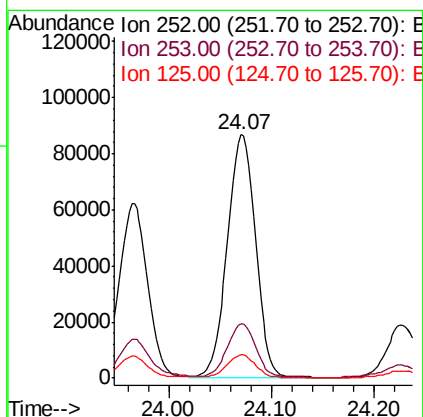
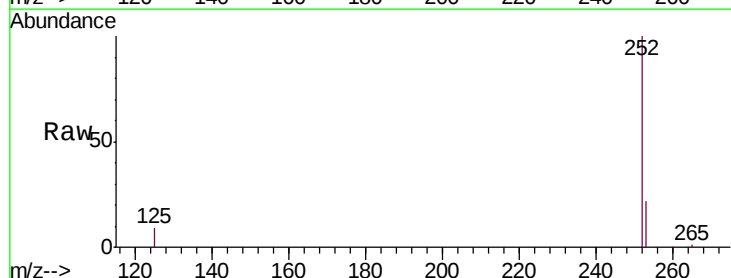
Tgt Ion:252 Resp: 164133

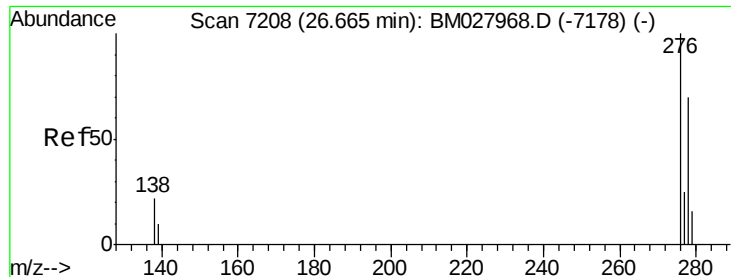
Ion Ratio Lower Upper

252 100

253 22.2 25.2 37.8#

125 9.4 13.8 20.6#

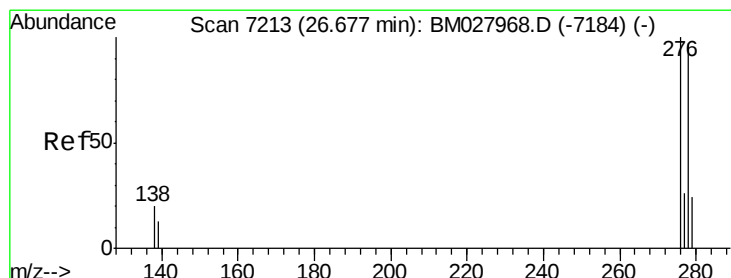
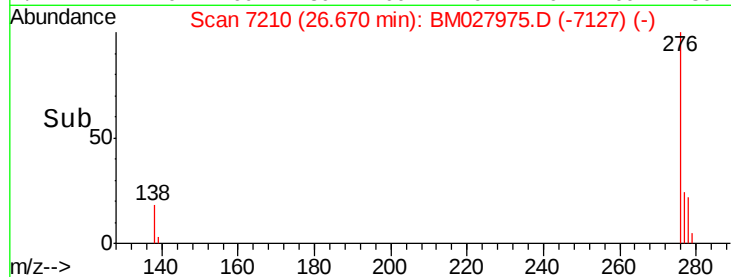
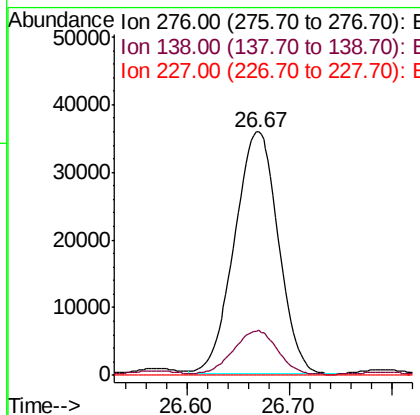
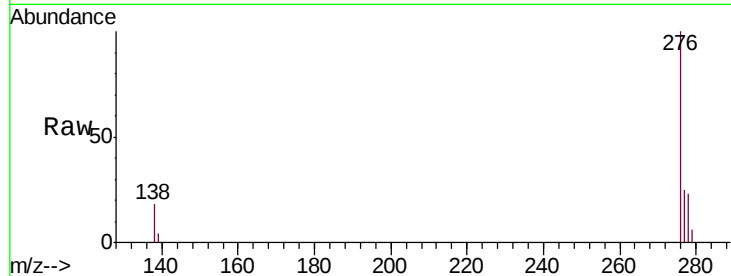




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 9.668 ng/u1
 RT: 26.67 min Scan# 7210
 Delta R.T. 0.00 min
 Lab File: BM027975.D
 Acq: 25 Nov 2020 22:01

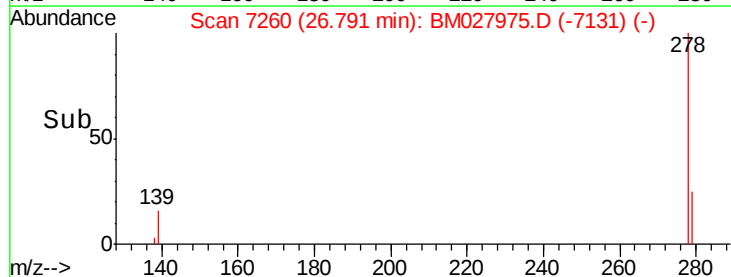
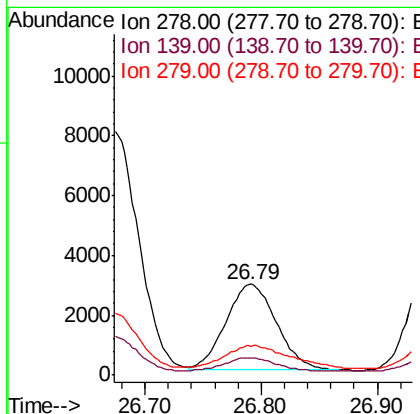
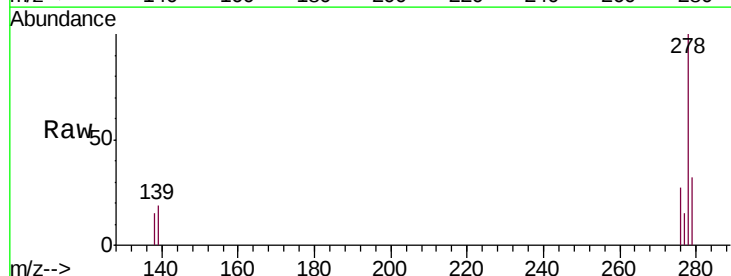
Instrument :
 BNA_M
 ClientSampleId :
 C0B73DL

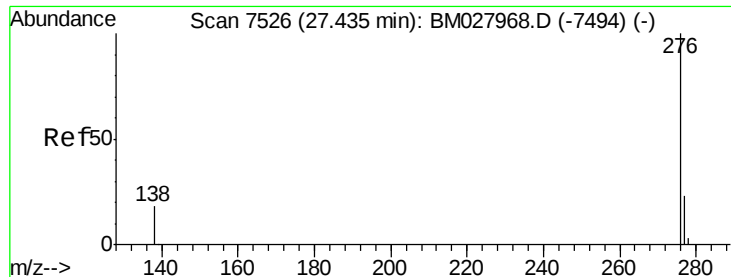
Tgt Ion:276 Resp: 106001
 Ion Ratio Lower Upper
 276 100
 138 18.2 15.7 23.5
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 0.951 ng/u1
 RT: 26.79 min Scan# 7260
 Delta R.T. 0.11 min
 Lab File: BM027975.D
 Acq: 25 Nov 2020 22:01

Tgt Ion:278 Resp: 8683
 Ion Ratio Lower Upper
 278 100
 139 19.0 14.8 22.2
 279 32.1 25.8 38.6





#26

Benzo(g,h,i)perylene

Concen: 9.568 ng/ul

RT: 27.44 min Scan# 7528

Delta R.T. -0.00 min

Lab File: BM027975.D

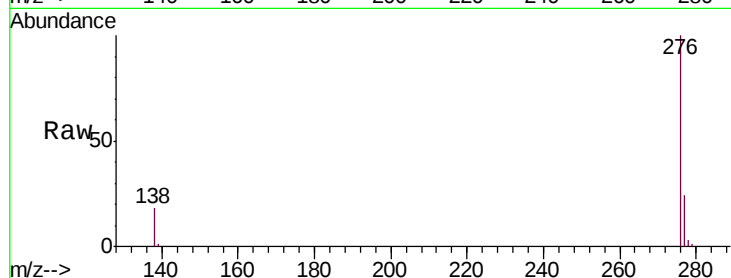
Acq: 25 Nov 2020 22:01

Instrument :

BNA_M

ClientSampleId :

C0B73DL



Tgt Ion: 276 Resp: 88016

Ion Ratio Lower Upper

276 100

138 18.4 17.4 26.2

277 24.2 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

