

Data File : BM027978.D
Acq On : 25 Nov 2020 23:50
Operator : JU/CG
Sample : L4749-13DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0B12DL

Quant Time: Nov 26 00:51:14 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	1175	0.40	ng/ul	0.00
2) Naphthalene-d8	11.16	136	4713	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2616	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	4633	0.40	ng/ul	0.00
16) Chrysene-d12	21.76	240	2546	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2522	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	171	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	230	0.02	ng/ul	0.00

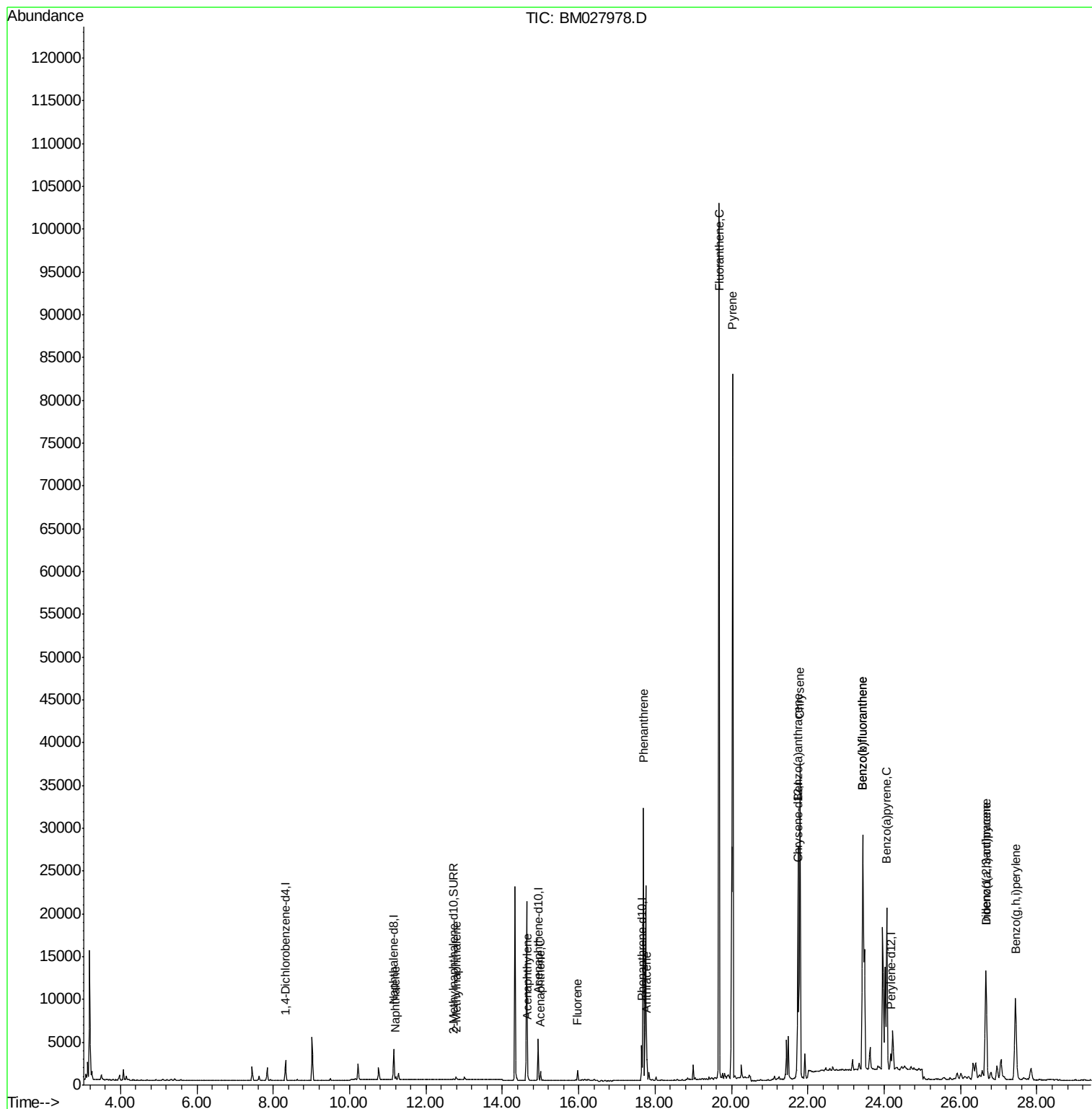
Target Compounds				Qvalue		
3) Naphthalene	11.21	128	468	0.033	ng/ul#	73
5) 2-Methylnaphthalene	12.79	142	243	0.025	ng/ul	98
7) Acenaphthylene	14.66	152	531	0.042	ng/ul#	73
8) Acenaphthene	15.00	153	627	0.066	ng/ul	95
9) Fluorene	15.97	166	769	0.069	ng/ul#	96
12) Phenanthrene	17.69	178	33181	2.267	ng/ul	97
13) Anthracene	17.78	178	2651	0.188	ng/ul	95
15) Fluoranthene	19.67	202	86360	5.322	ng/ul	98
17) Pyrene	20.03	202	68421	5.292	ng/ul	97
18) Benzo(a)anthracene	21.74	228	23290	2.267	ng/ul	99
19) Chrysene	21.79	228	37176	3.715	ng/ul	99
21) Benzo(b)fluoranthene	23.44	252	65072	6.139	ng/ul	89
22) Benzo(k)fluoranthene	23.44	252	65012	6.263	ng/ul#	89
23) Benzo(a)pyrene	24.07	252	28078	3.030	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	26.66	276	22899	2.282	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.67	278	5022	0.601	ng/ul	96
26) Benzo(g,h,i)perylene	27.43	276	21135	2.511	ng/ul	94

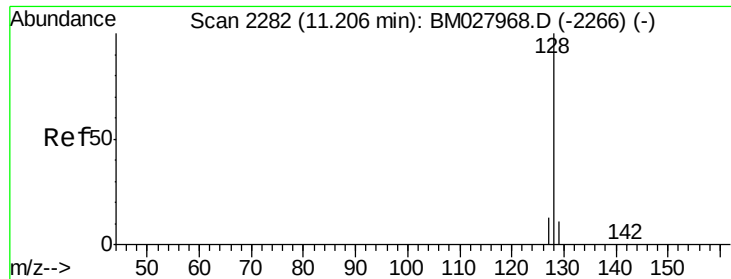
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.033 ng/ul

RT: 11.21 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

C0B12DL

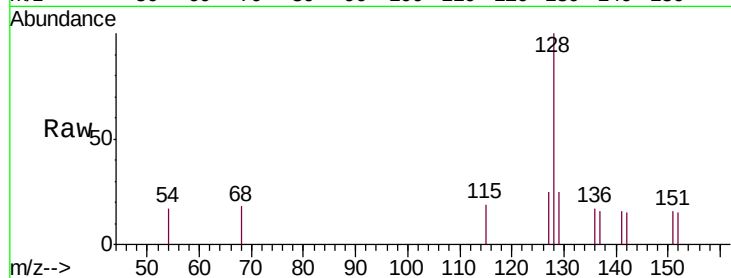
Tgt Ion:128 Resp: 468

Ion Ratio Lower Upper

128 100

129 25.0 10.4 15.6#

127 25.0 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

11.21

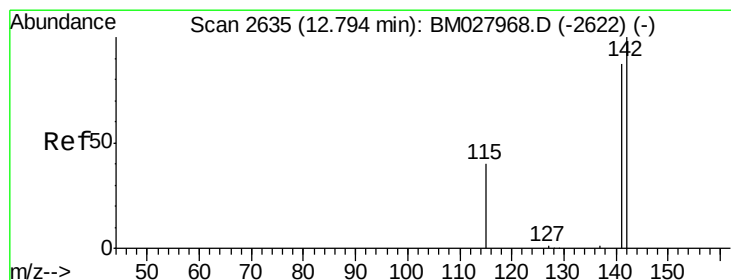
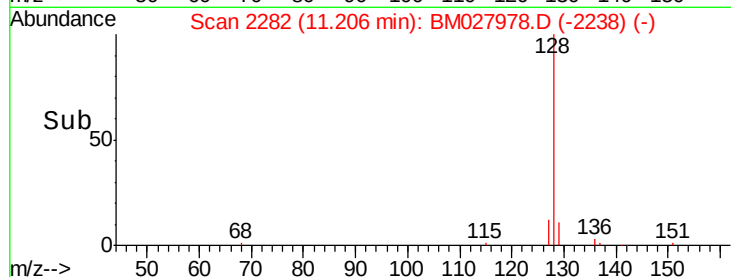
300

200

100

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

RT: 12.79 min Scan# 2634

Delta R.T. -0.00 min

Lab File: BM027978.D

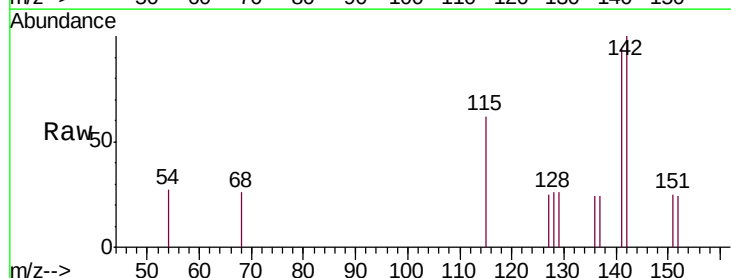
Acq: 25 Nov 2020 23:50

Tgt Ion:142 Resp: 243

Ion Ratio Lower Upper

142 100

141 88.1 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.79

200

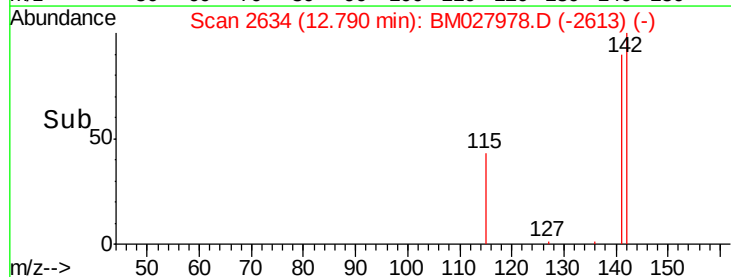
150

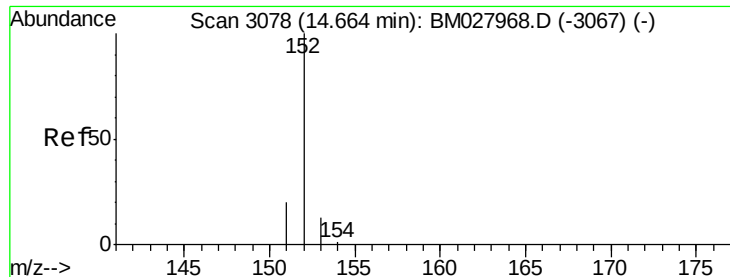
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 14.66 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

C0B12DL

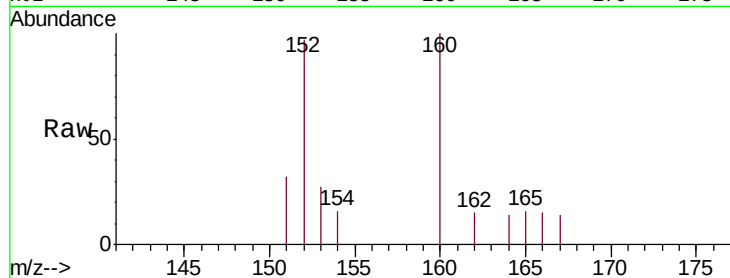
Tgt Ion:152 Resp: 531

Ion Ratio Lower Upper

152 100

151 32.9 17.1 25.7#

153 27.9 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

400

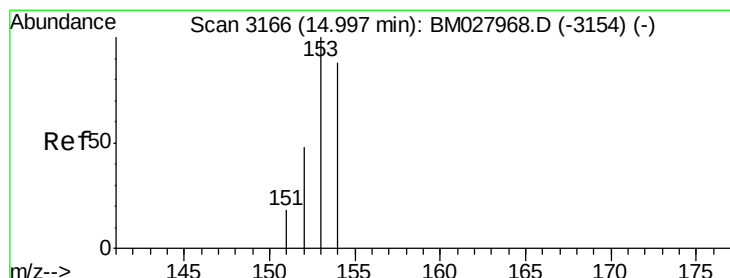
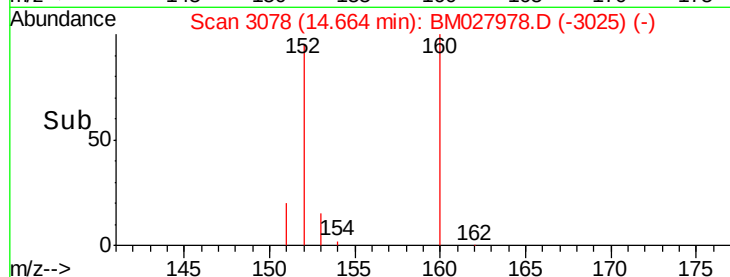
300

200

100

0

Time--> 14.50 14.60 14.70 14.80



#8

Acenaphthene

Concen: 0.066 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

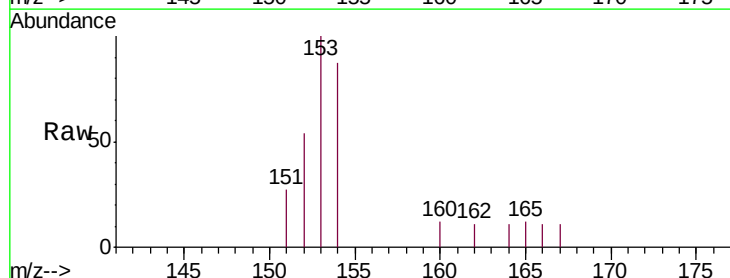
Tgt Ion:153 Resp: 627

Ion Ratio Lower Upper

153 100

152 53.5 39.0 58.6

154 86.5 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

600

500

400

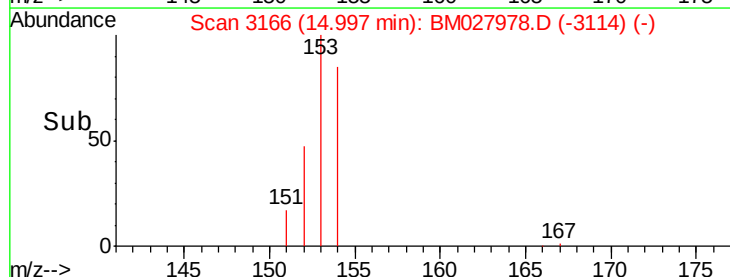
300

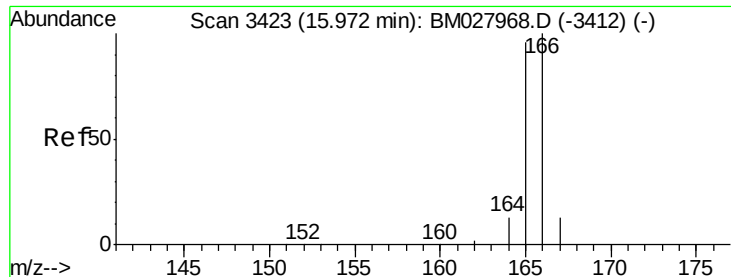
200

100

0

Time--> 14.95 15.00 15.05





#9

Fluorene

Concen: 0.069 ng/ul

RT: 15.97 min Scan# 3423

Delta R.T. 0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

C0B12DL

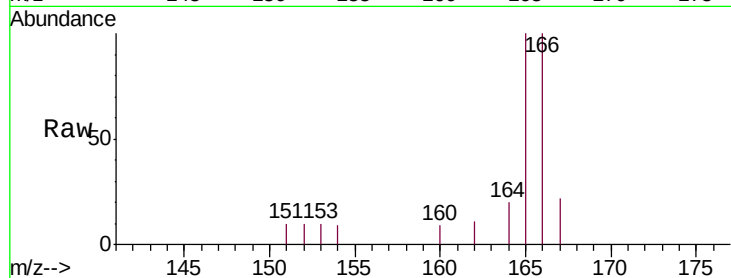
Tgt Ion:166 Resp: 769

Ion Ratio Lower Upper

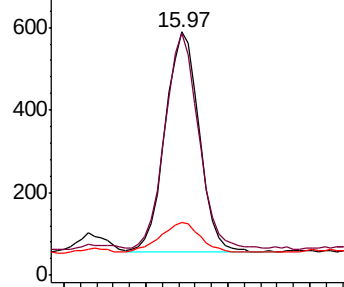
166 100

165 99.8 78.1 117.1

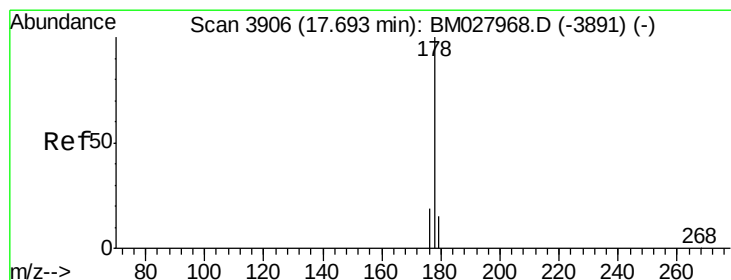
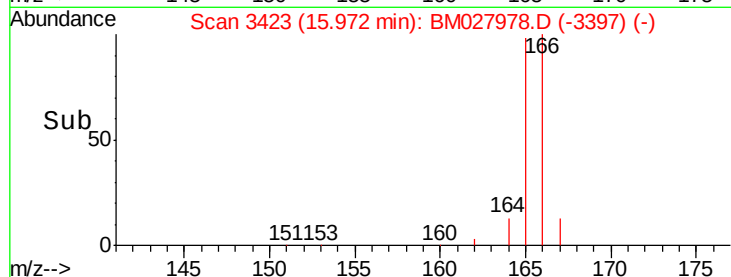
167 21.9 11.8 17.8#



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: 2.267 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

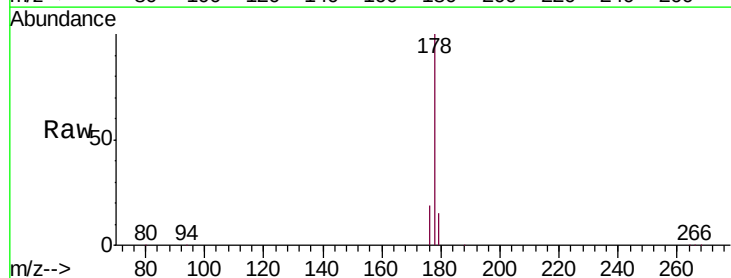
Tgt Ion:178 Resp: 33181

Ion Ratio Lower Upper

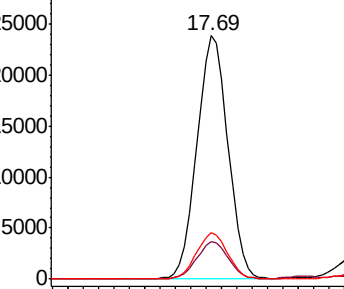
178 100

179 15.5 13.6 20.4

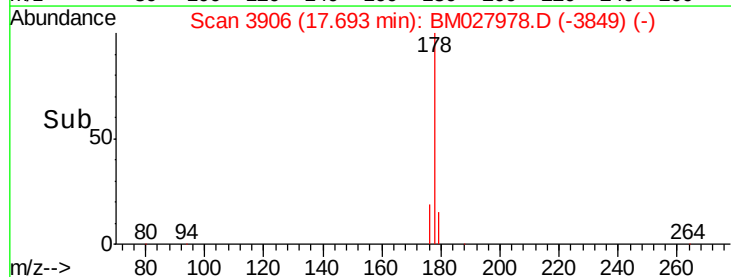
176 19.0 16.1 24.1

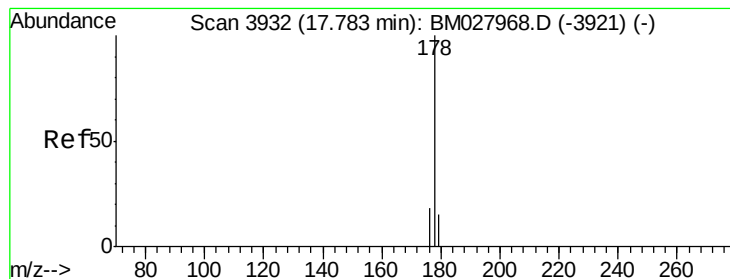


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.188 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

C0B12DL

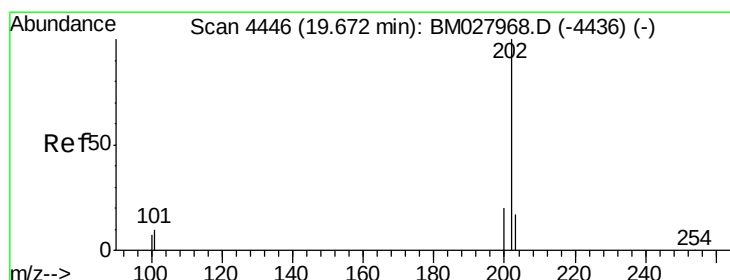
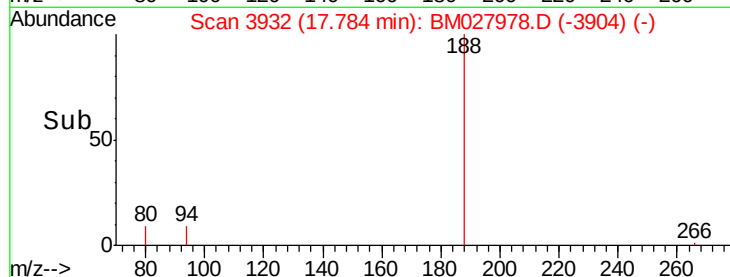
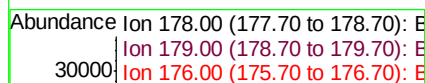
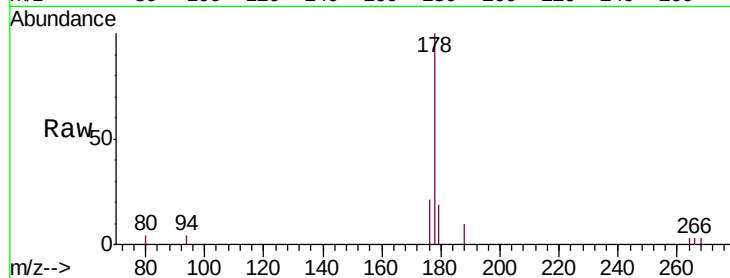
Tgt Ion:178 Resp: 2651

Ion Ratio Lower Upper

178 100

179 18.9 13.4 20.2

176 20.7 15.0 22.6



#15

Fluoranthene

Concen: 5.322 ng/ul

RT: 19.67 min Scan# 4446

Delta R.T. 0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

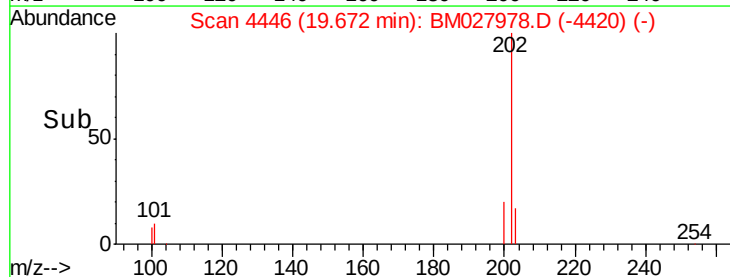
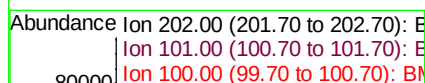
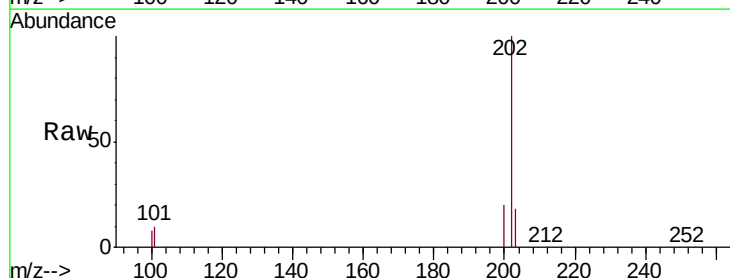
Tgt Ion:202 Resp: 86360

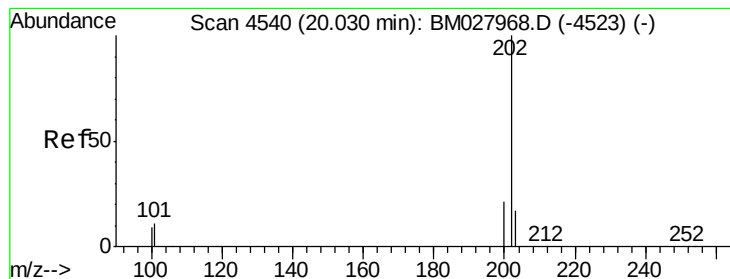
Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.3

100 7.8 0.0 27.4





#17

Pyrene

Concen: 5.292 ng/ul

RT: 20.03 min Scan# 4540

Delta R.T. 0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

C0B12DL

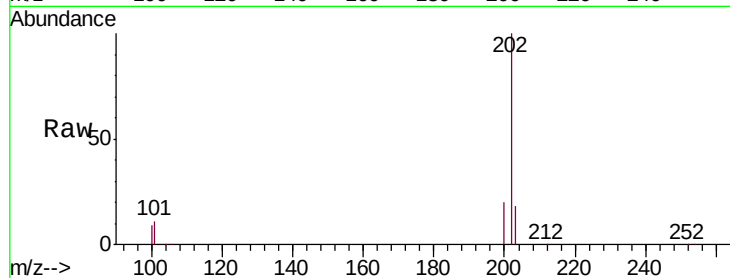
Tgt Ion:202 Resp: 68421

Ion Ratio Lower Upper

202 100

101 11.3 8.2 12.2

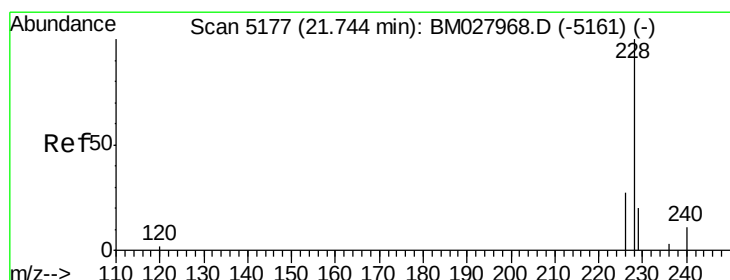
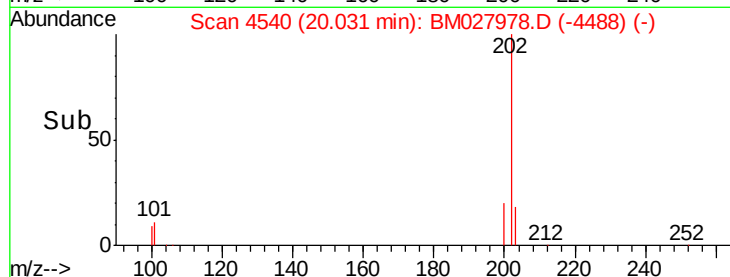
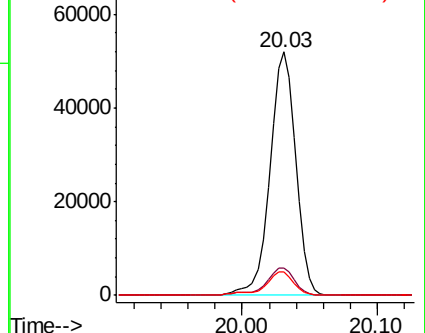
100 9.5 6.9 10.3



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: 2.267 ng/ul

RT: 21.74 min Scan# 5175

Delta R.T. -0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

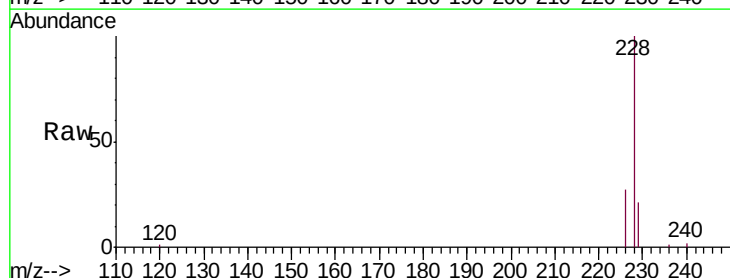
Tgt Ion:228 Resp: 23290

Ion Ratio Lower Upper

228 100

229 20.8 16.2 24.4

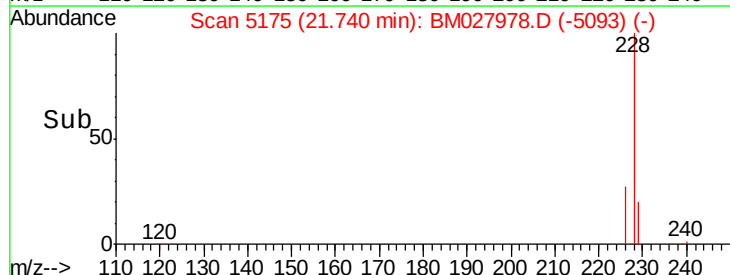
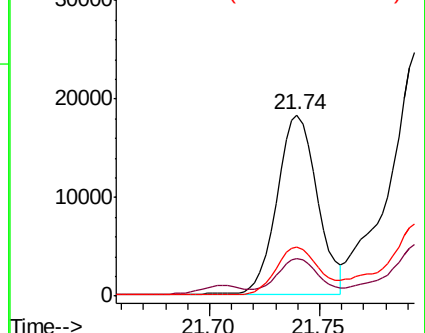
226 27.1 21.5 32.3

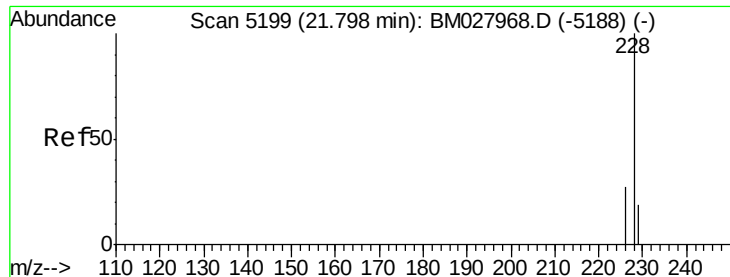


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 3.715 ng/ul

RT: 21.79 min Scan# 5197

Delta R.T. -0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

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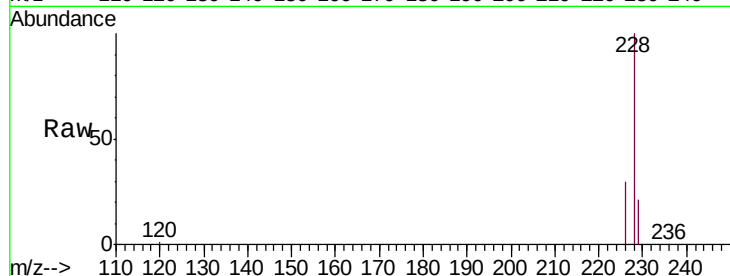
Tgt Ion:228 Resp: 37176

Ion Ratio Lower Upper

228 100

226 29.6 24.1 36.1

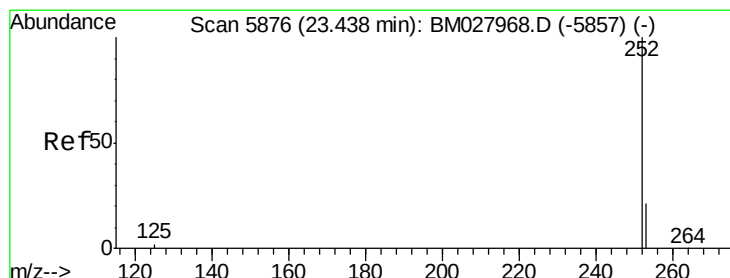
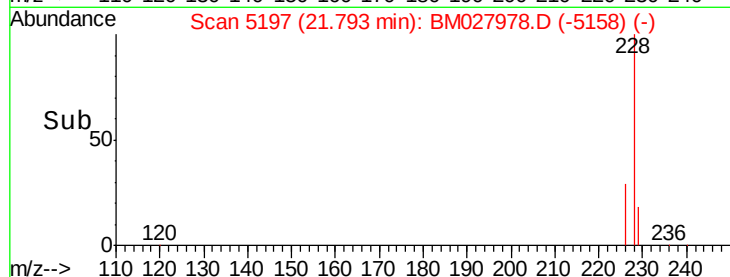
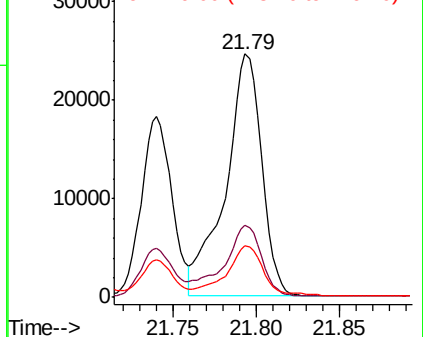
229 21.1 16.6 24.8



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: 6.139 ng/ul

RT: 23.44 min Scan# 5876

Delta R.T. 0.00 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

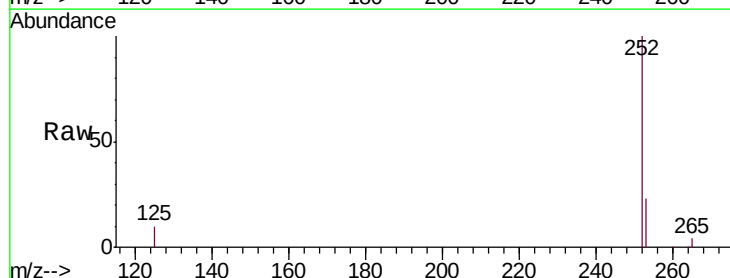
Tgt Ion:252 Resp: 65072

Ion Ratio Lower Upper

252 100

253 23.4 0.0 59.6

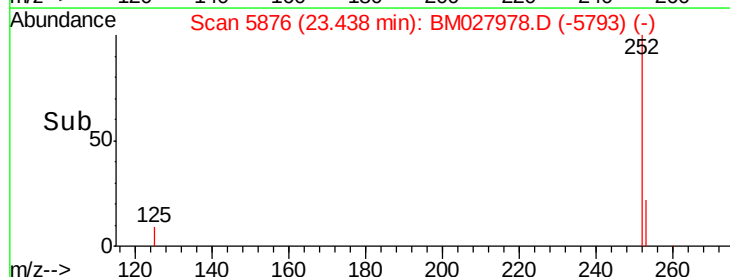
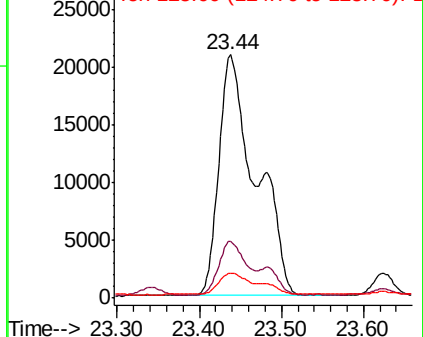
125 10.3 0.0 28.4

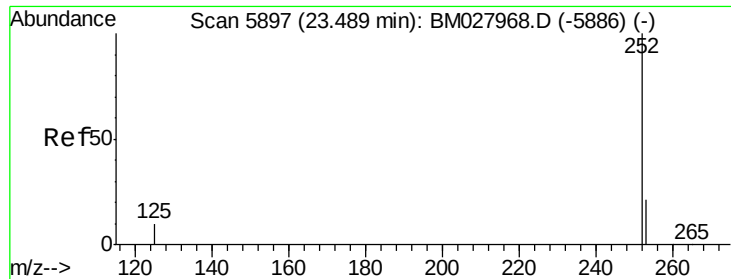


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 6.263 ng/ul

RT: 23.44 min Scan# 5876

Delta R.T. -0.05 min

Lab File: BM027978.D

Acq: 25 Nov 2020 23:50

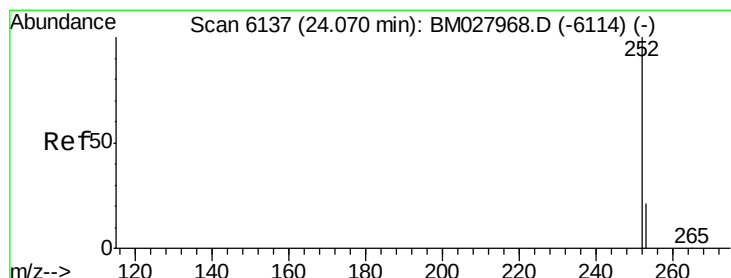
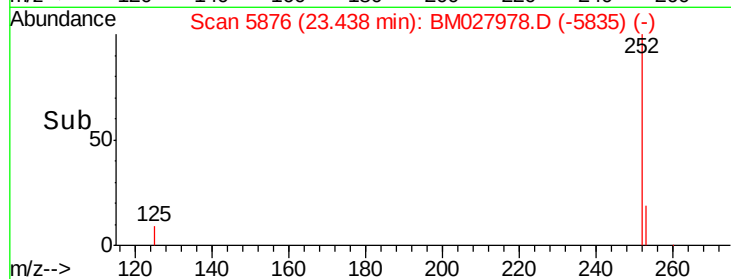
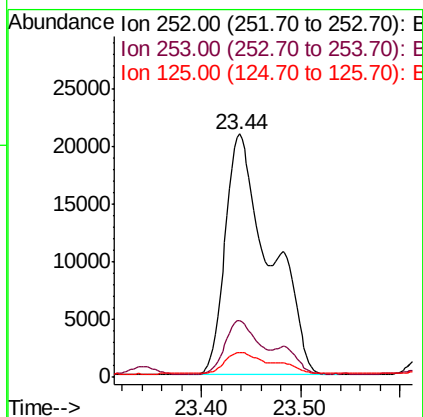
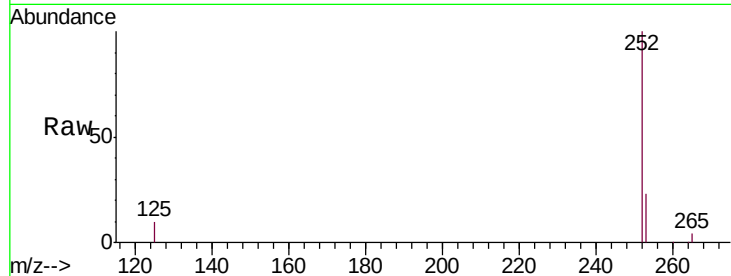
Instrument :

BNA_M

ClientSampleId :

C0B12DL

Tgt Ion:	252	Resp:	65012
Ion	Ratio	Lower	Upper
252	100		
253	23.4	23.2	34.8
125	10.3	11.8	17.6#



#23

Benzo(a)pyrene

Concen: 3.030 ng/ul

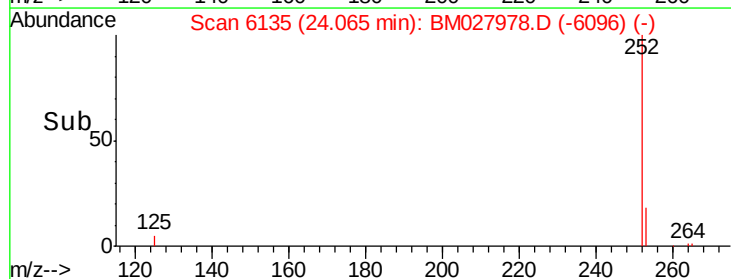
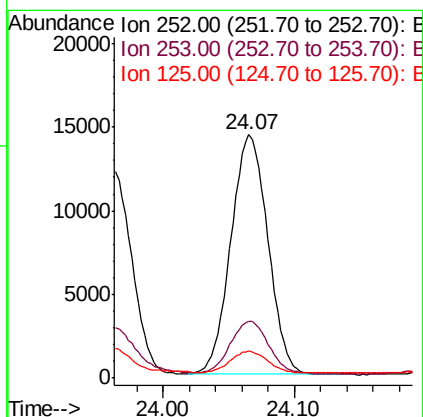
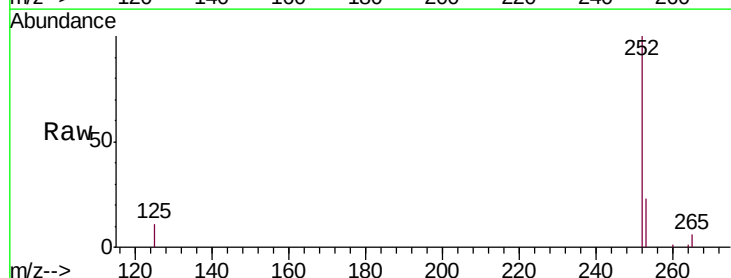
RT: 24.07 min Scan# 6135

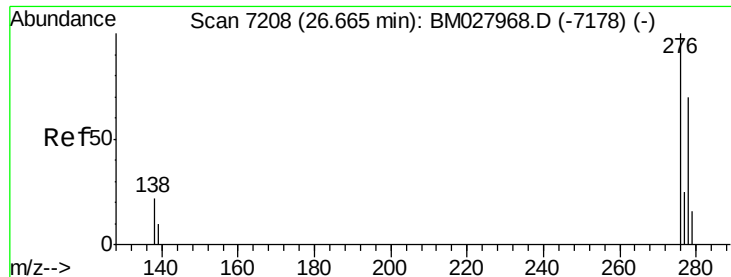
Delta R.T. -0.00 min

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Tgt Ion:	252	Resp:	28078
Ion	Ratio	Lower	Upper
252	100		
253	23.4	25.2	37.8#
125	11.3	13.8	20.6#



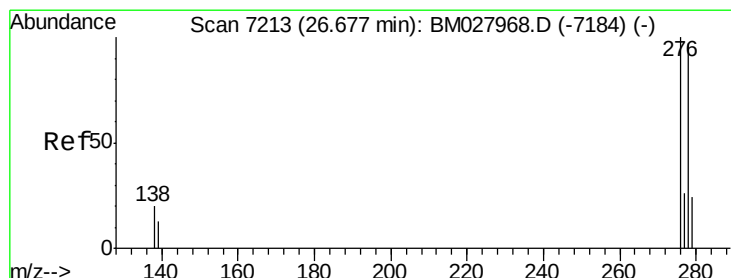
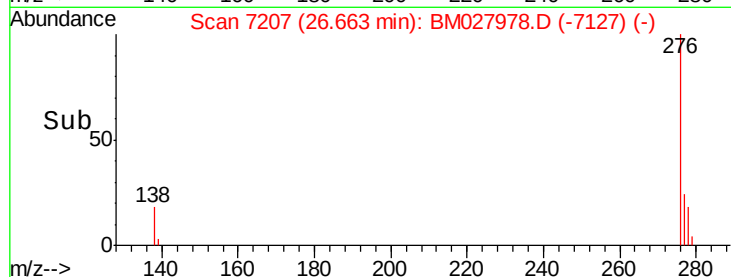
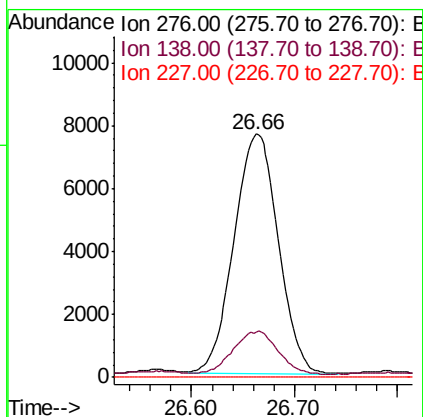
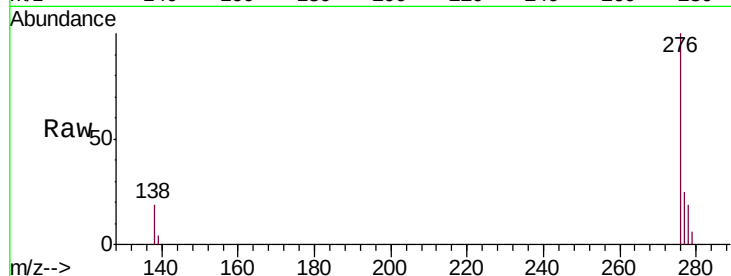


#24

Indeno(1,2,3-cd)pyrene
Concen: 2.282 ng/ul
RT: 26.66 min Scan# 7207
Delta R.T. -0.01 min
Lab File: BM027978.D
Acq: 25 Nov 2020 23:50

Instrument :
BNA_M
ClientSampleId :
C0B12DL

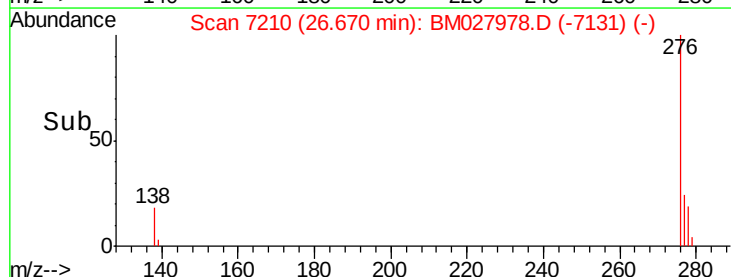
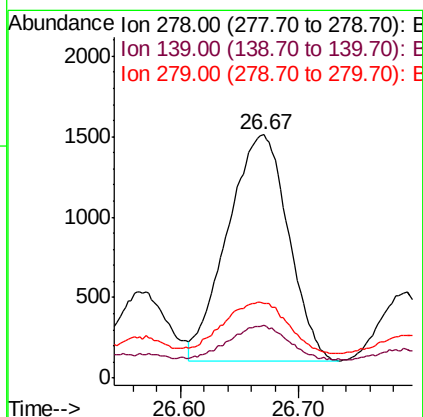
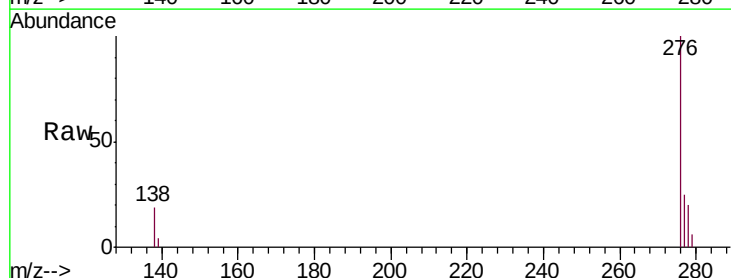
Tgt Ion:276 Resp: 22899
Ion Ratio Lower Upper
276 100
138 17.9 15.7 23.5
227 0.0 0.0 0.0

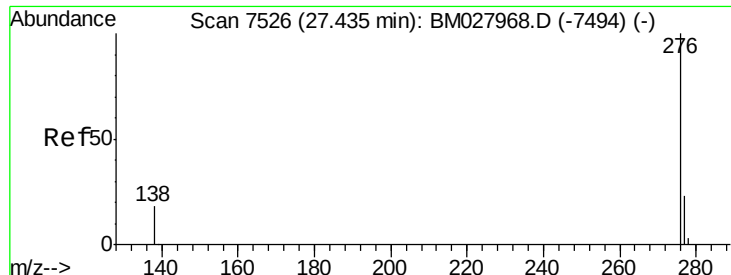


#25

Dibenzo(a,h)anthracene
Concen: 0.601 ng/ul
RT: 26.67 min Scan# 7210
Delta R.T. -0.01 min
Lab File: BM027978.D
Acq: 25 Nov 2020 23:50

Tgt Ion:278 Resp: 5022
Ion Ratio Lower Upper
278 100
139 21.5 14.8 22.2
279 30.6 25.8 38.6





#26

Benzo(g,h,i)perylene

Concen: 2.511 ng/ul

RT: 27.43 min Scan# 7525

Delta R.T. -0.01 min

Lab File: BM027978.D

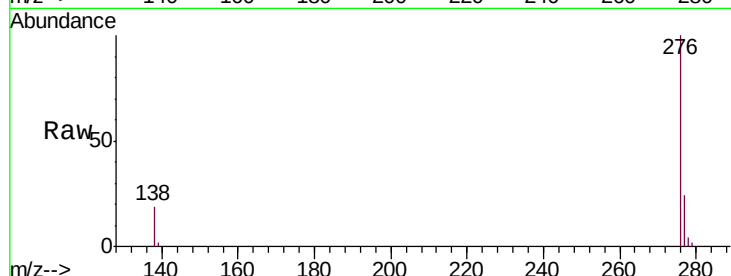
Acq: 25 Nov 2020 23:50

Instrument :

BNA_M

ClientSampleId :

C0B12DL



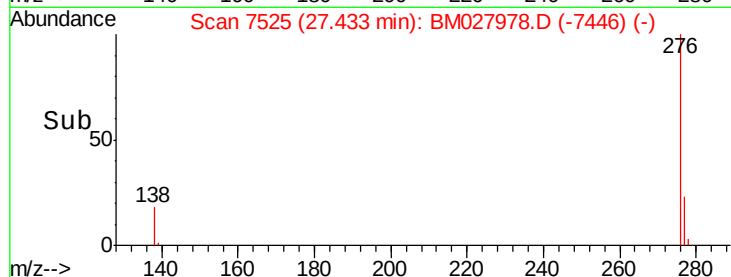
Tgt Ion: 276 Resp: 21135

Ion Ratio Lower Upper

276 100

138 19.4 17.4 26.2

277 24.5 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

