

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\  
 Data File : BM027898.D  
 Acq On : 22 Nov 2020 01:23  
 Operator : JU/CG  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.437

Quant Time: Nov 23 04:07:57 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

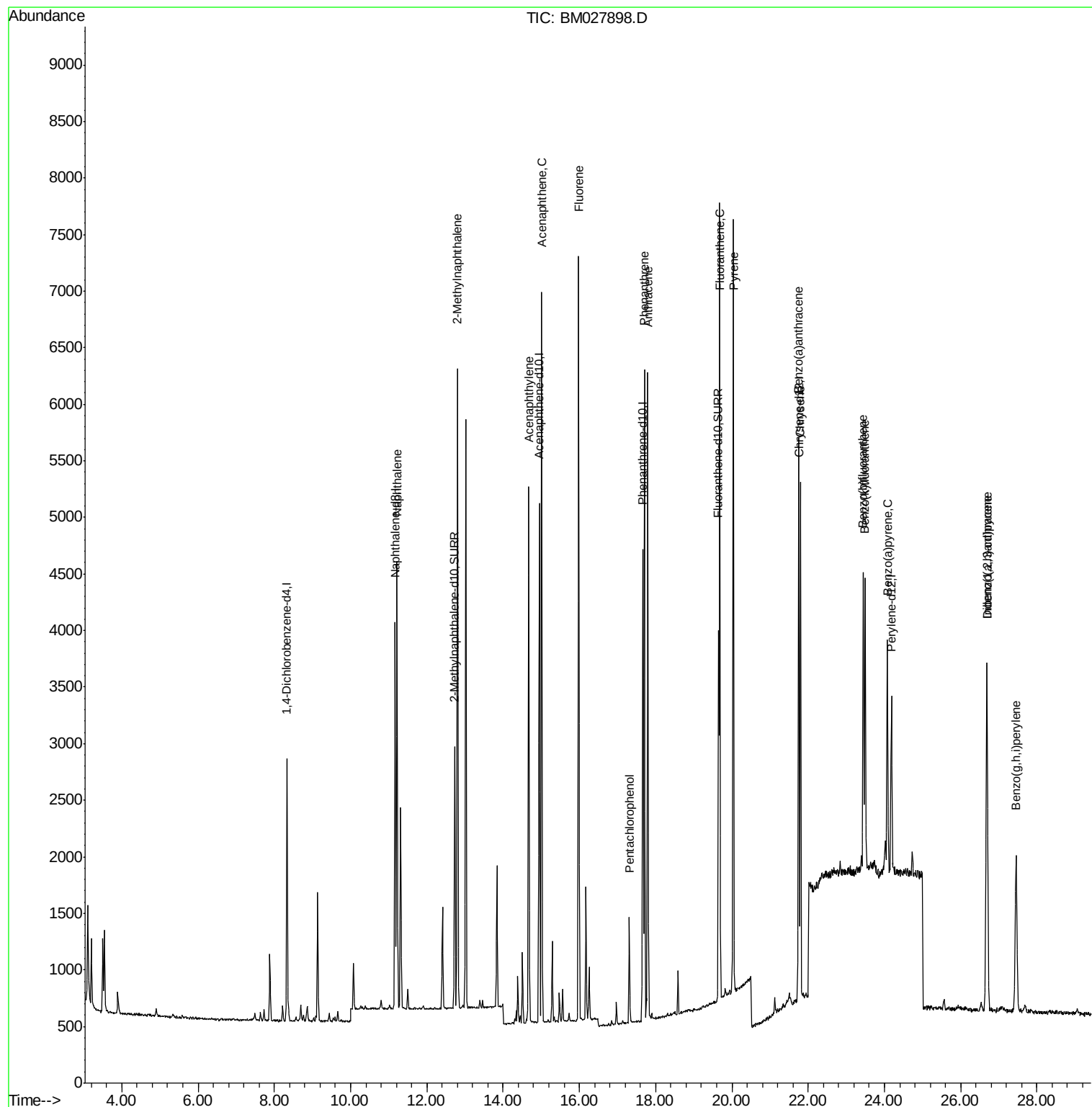
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.33  | 152  | 1134     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.17 | 136  | 4483     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.95 | 164  | 2502     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.66 | 188  | 4673     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.76 | 240  | 2402     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.18 | 264  | 2194     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.73 | 152  | 2849     | 0.38   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.65 | 212  | 4144     | 0.33   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.22 | 128  | 5356     | 0.399  | ng/ul  | 99       |
| 5) 2-Methylnaphthalene      | 12.80 | 142  | 3662     | 0.401  | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.68 | 152  | 5184     | 0.425  | ng/ul  | 98       |
| 8) Acenaphthene             | 15.01 | 153  | 3662     | 0.400  | ng/ul  | 98       |
| 9) Fluorene                 | 15.98 | 166  | 4146     | 0.391  | ng/ul  | 98       |
| 11) Pentachlorophenol       | 17.31 | 266  | 598      | 0.376  | ng/ul  | 99       |
| 12) Phenanthrene            | 17.70 | 178  | 5996     | 0.406  | ng/ul  | 99       |
| 13) Anthracene              | 17.79 | 178  | 5767     | 0.405  | ng/ul  | 99       |
| 15) Fluoranthene            | 19.68 | 202  | 5773     | 0.353  | ng/ul  | 96       |
| 17) Pyrene                  | 20.04 | 202  | 5517     | 0.452  | ng/ul# | 95       |
| 18) Benzo(a)anthracene      | 21.75 | 228  | 3939     | 0.406  | ng/ul  | 95       |
| 19) Chrysene                | 21.80 | 228  | 3805     | 0.403  | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 23.44 | 252  | 3555     | 0.386  | ng/ul  | 92       |
| 22) Benzo(k)fluoranthene    | 23.49 | 252  | 3428     | 0.380  | ng/ul# | 91       |
| 23) Benzo(a)pyrene          | 24.08 | 252  | 3205     | 0.398  | ng/ul# | 89       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.68 | 276  | 3736     | 0.428  | ng/ul# | 99       |
| 25) Dibenzo(a,h)anthracene  | 26.69 | 278  | 3073     | 0.423  | ng/ul# | 93       |
| 26) Benzo(g,h,i)perylene    | 27.45 | 276  | 3159     | 0.431  | ng/ul  | 93       |

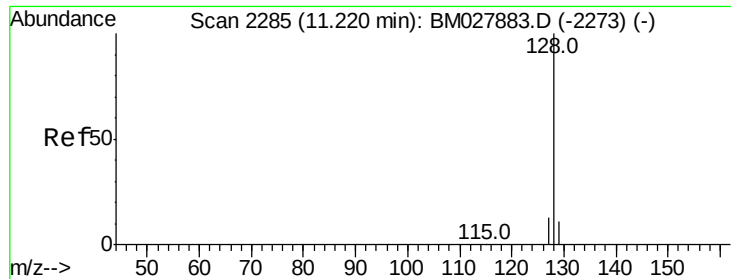
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112020\  
Data File : BM027898.D  
Acq On : 22 Nov 2020 01:23  
Operator : JU/CG  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.437

Quant Time: Nov 23 04:07:57 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





#3

Naphthalene

Concen: 0.399 ng/ul

RT: 11.22 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

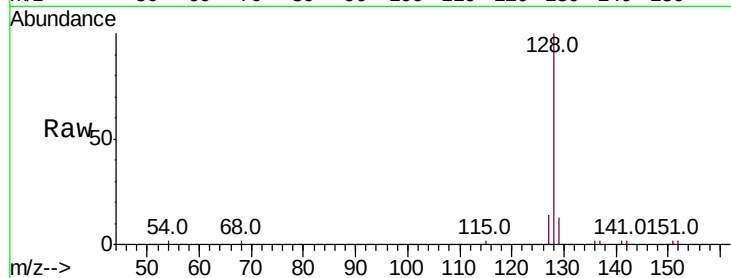
Tot Ion:128 Resp: 5356

Ion Ratio Lower Upper

128 100

129 12.7 10.4 15.6

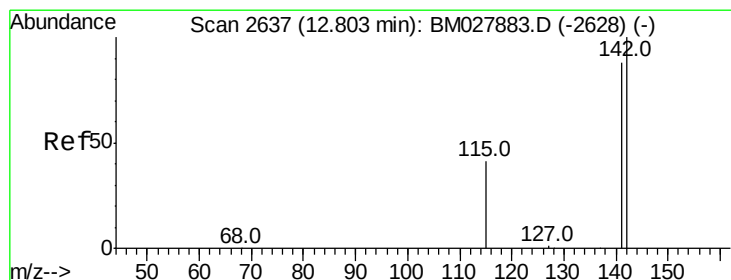
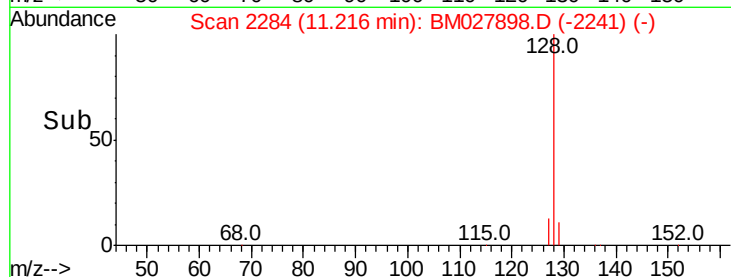
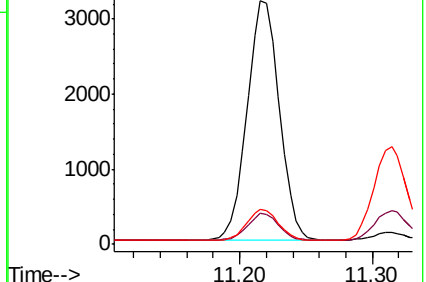
127 14.2 12.0 18.0



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: 0.401 ng/ul

RT: 12.80 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BM027898.D

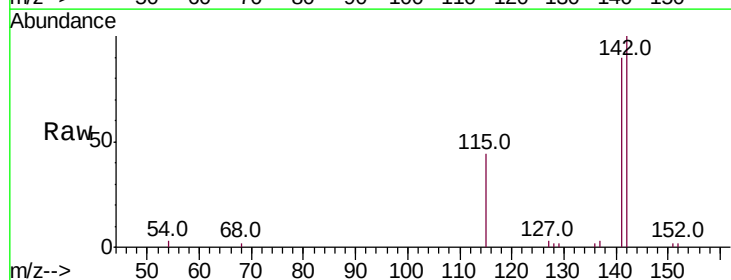
Acq: 22 Nov 2020 01:23

Tgt Ion:142 Resp: 3662

Ion Ratio Lower Upper

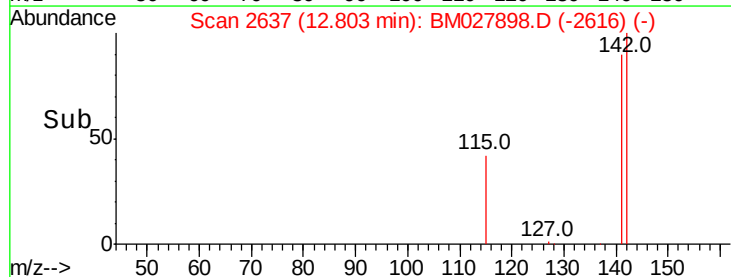
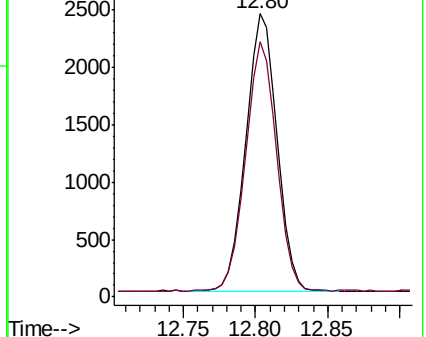
142 100

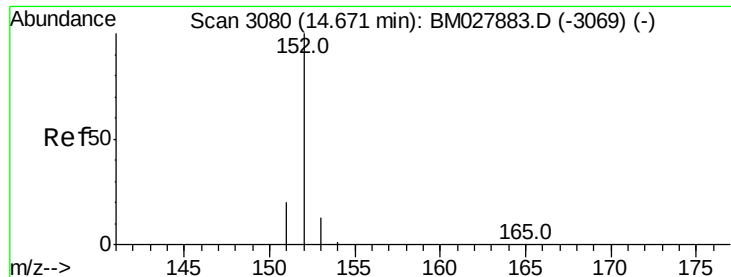
141 89.2 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.425 ng/ul

RT: 14.68 min Scan# 3081

Delta R.T. 0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

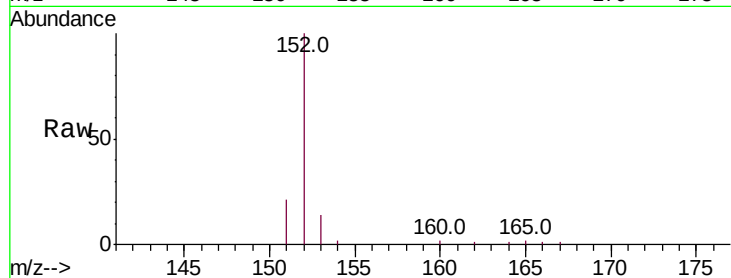
Tot Ion:152 Resp: 5184

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

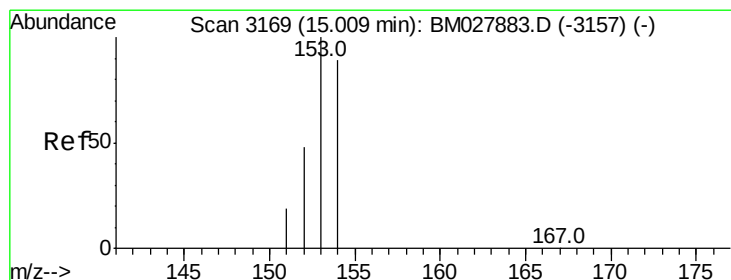
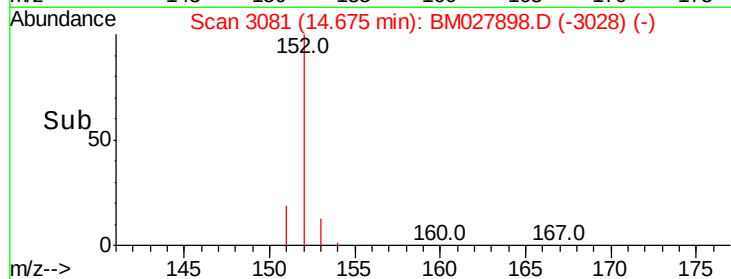
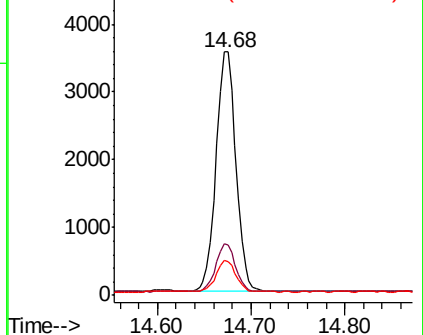
153 14.1 12.0 18.0



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: 0.400 ng/ul

RT: 15.01 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

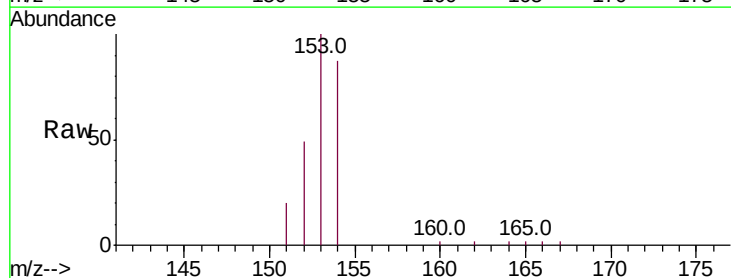
Tgt Ion:153 Resp: 3662

Ion Ratio Lower Upper

153 100

152 48.8 39.0 58.6

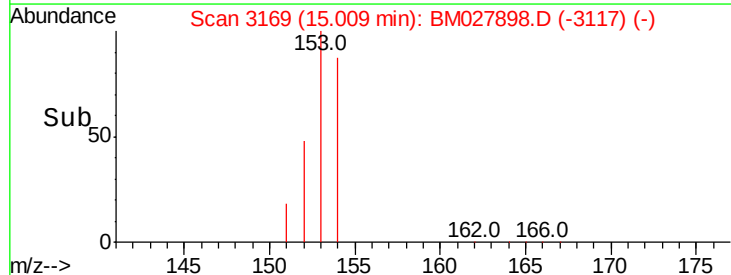
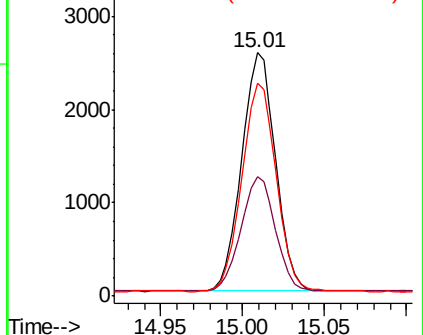
154 87.2 71.6 107.4

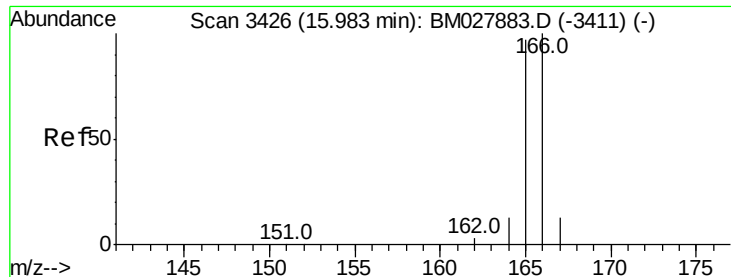


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.391 ng/ul

RT: 15.98 min Scan# 3426

Delta R.T. 0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

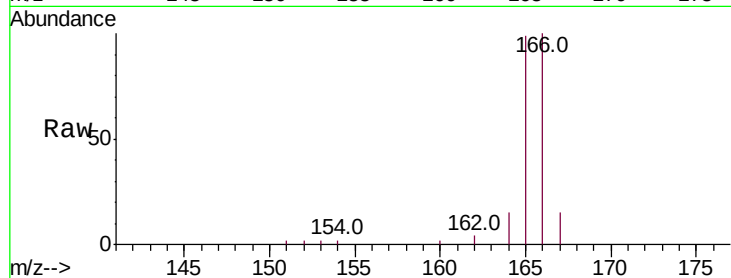
Tot Ion:166 Resp: 4146

Ion Ratio Lower Upper

166 100

165 99.2 78.1 117.1

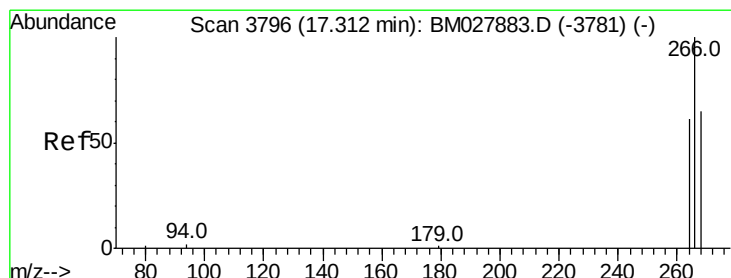
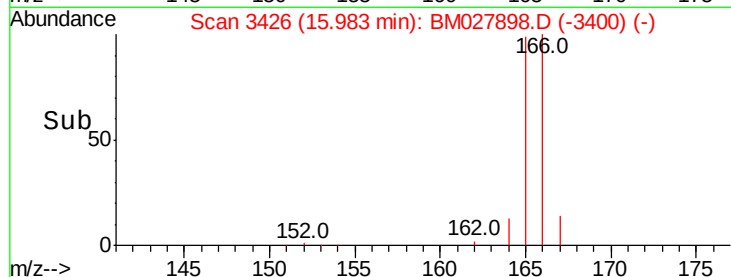
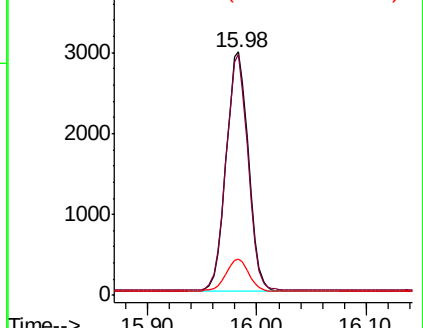
167 15.1 11.8 17.8



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



#11

Pentachlorophenol

Concen: 0.376 ng/ul

RT: 17.31 min Scan# 3795

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

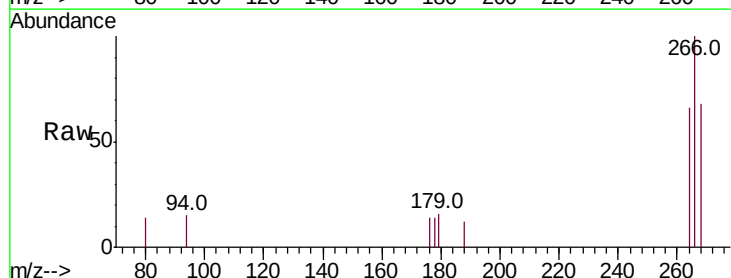
Tgt Ion:266 Resp: 598

Ion Ratio Lower Upper

266 100

264 63.4 49.6 74.4

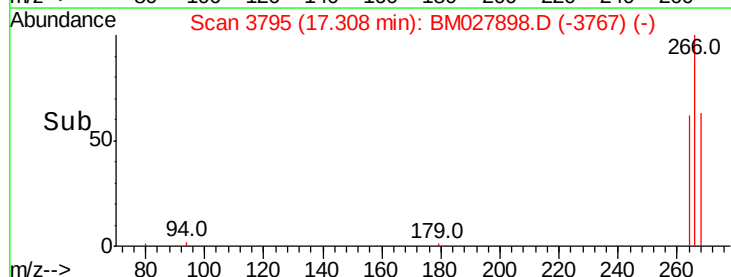
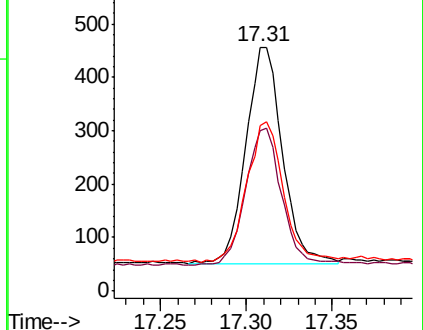
268 65.4 52.1 78.1

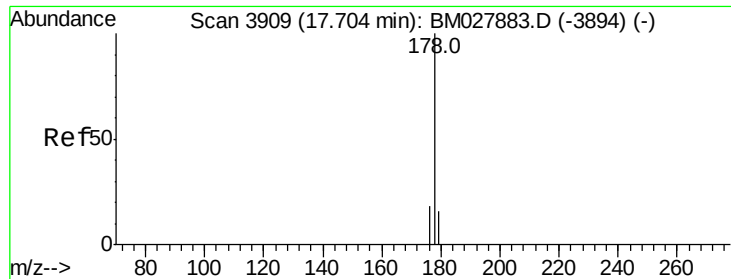


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.406 ng/ul

RT: 17.70 min Scan# 3909

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

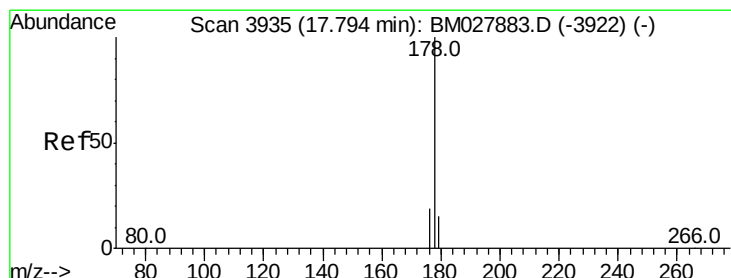
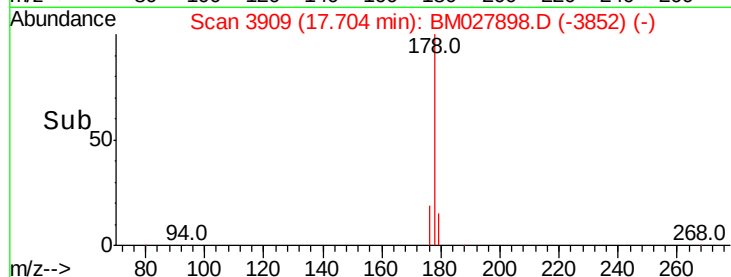
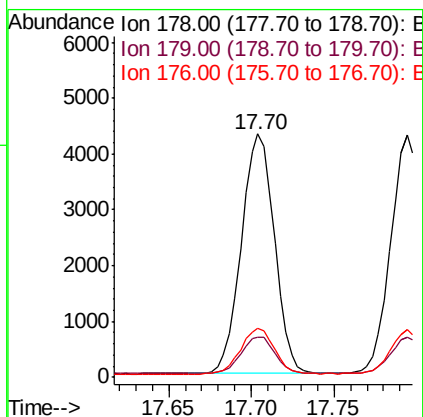
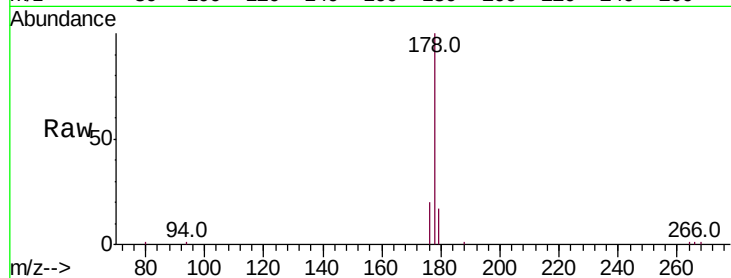
Tot Ion:178 Resp: 5996

Ion Ratio Lower Upper

178 100

179 16.5 13.6 20.4

176 19.9 16.1 24.1



#13

Anthracene

Concen: 0.405 ng/ul

RT: 17.79 min Scan# 3935

Delta R.T. 0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

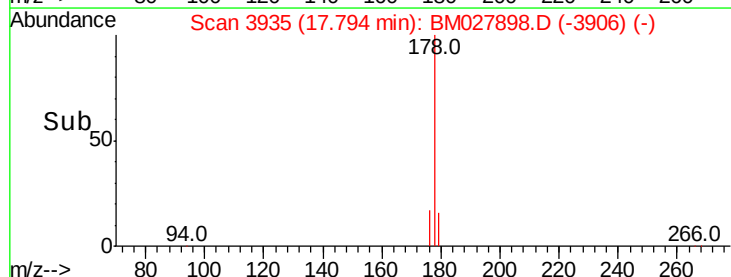
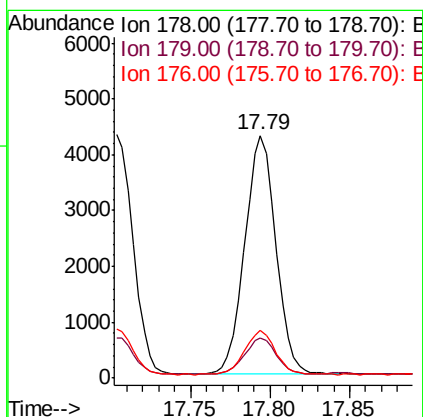
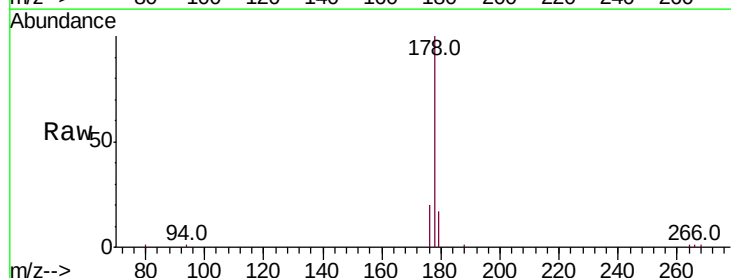
Tgt Ion:178 Resp: 5767

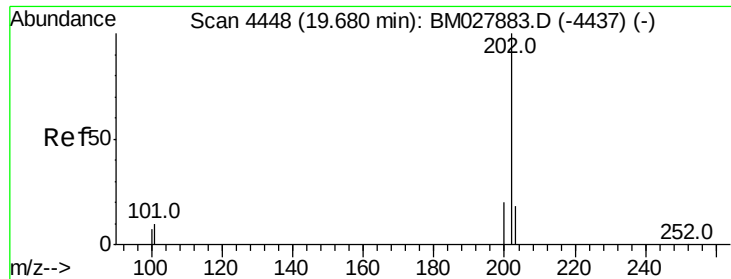
Ion Ratio Lower Upper

178 100

179 16.8 13.4 20.2

176 19.6 15.0 22.6

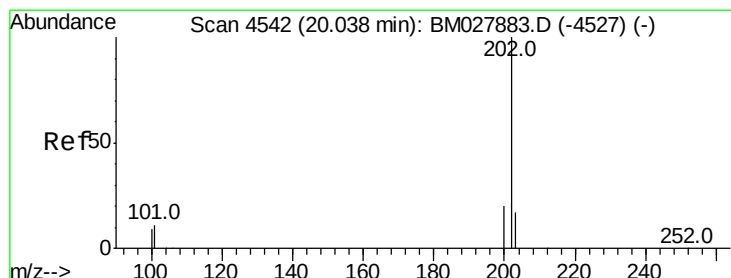
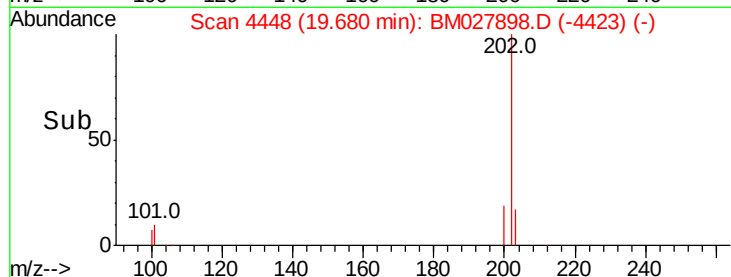
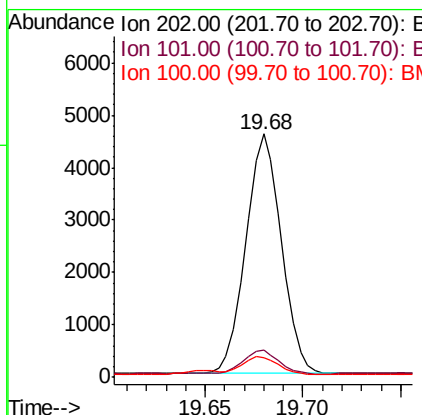
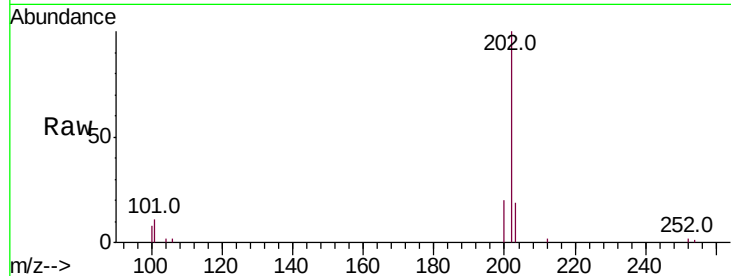




#15  
 Fluoranthene  
 Concen: 0.353 ng/ul  
 RT: 19.68 min Scan# 4448  
 Delta R.T. -0.00 min  
 Lab File: BM027898.D  
 Acq: 22 Nov 2020 01:23

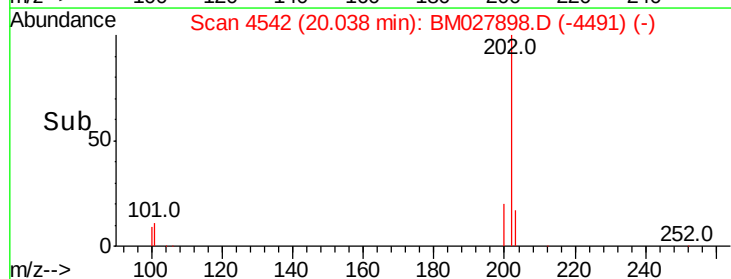
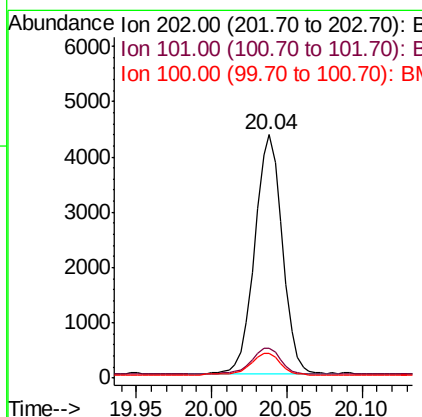
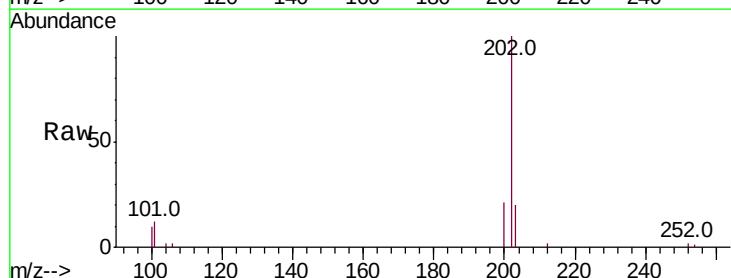
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.437

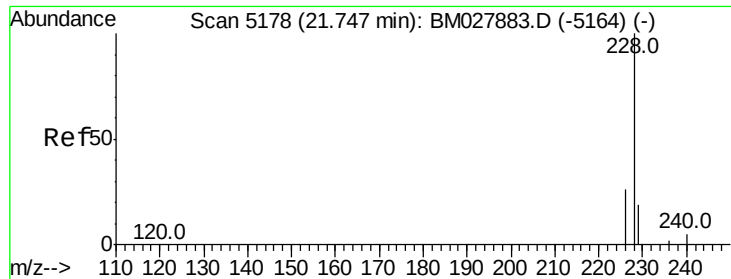
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.1  | 0.0   | 29.3  |
| 100     | 8.2   | 0.0   | 27.4  |



#17  
 Pyrene  
 Concen: 0.452 ng/ul  
 RT: 20.04 min Scan# 4542  
 Delta R.T. -0.00 min  
 Lab File: BM027898.D  
 Acq: 22 Nov 2020 01:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.4  | 8.2   | 12.2# |
| 100     | 10.4  | 6.9   | 10.3# |





#18

Benzo(a)anthracene

Concen: 0.406 ng/ul

RT: 21.75 min Scan# 5178

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

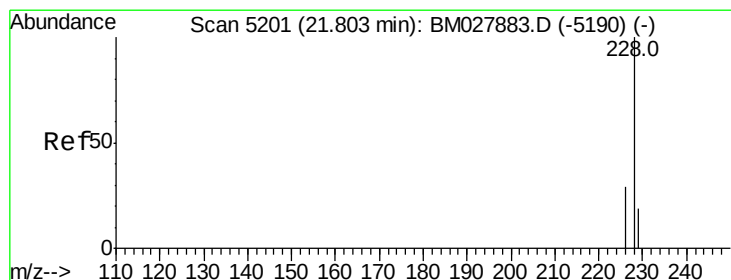
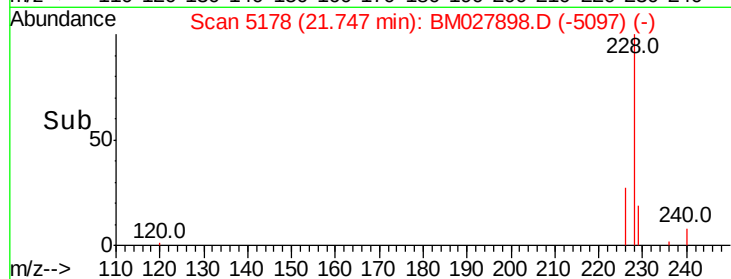
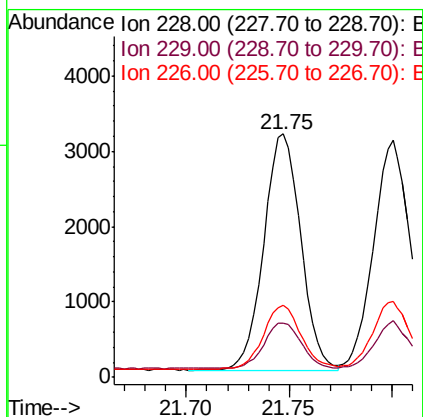
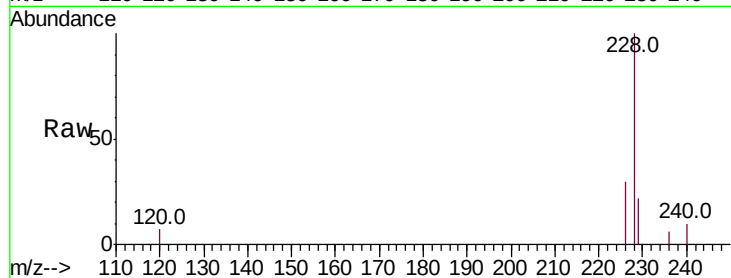
Tot Ion:228 Resp: 3939

Ion Ratio Lower Upper

228 100

229 22.2 16.2 24.4

226 29.7 21.5 32.3



#19

Chrysene

Concen: 0.403 ng/ul

RT: 21.80 min Scan# 5200

Delta R.T. -0.01 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

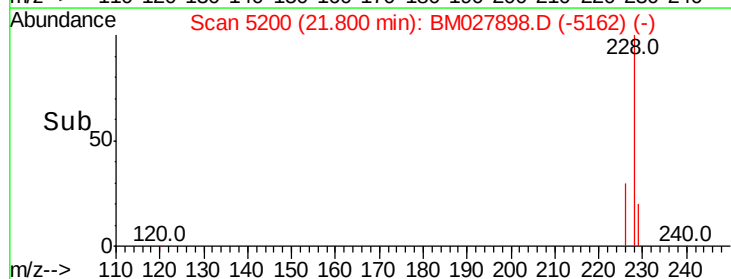
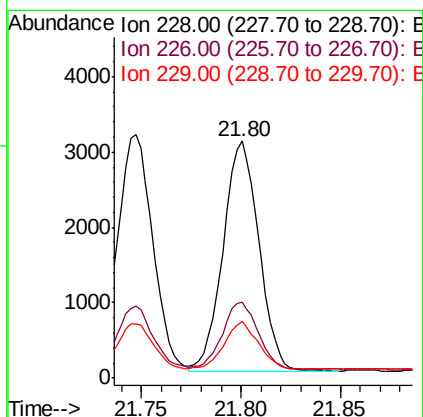
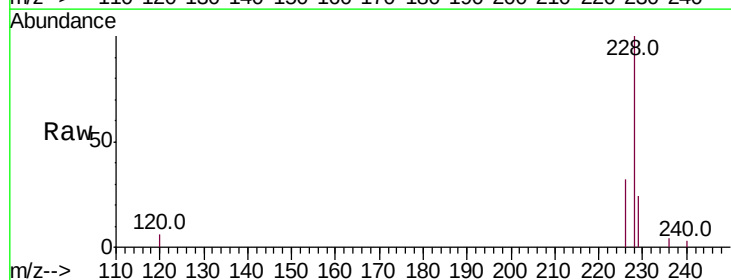
Tgt Ion:228 Resp: 3805

Ion Ratio Lower Upper

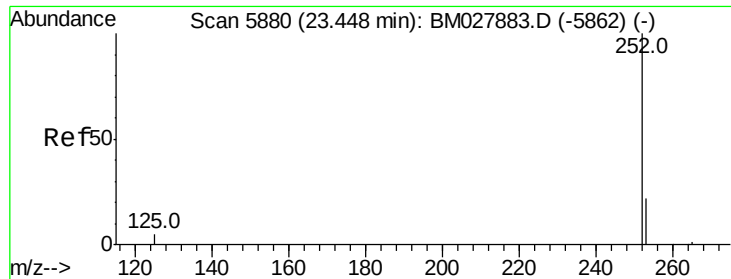
228 100

226 32.3 24.1 36.1

229 23.7 16.6 24.8







#21

Benzo(b)fluoranthene

Concen: 0.386 ng/ul

RT: 23.44 min Scan# 5878

Delta R.T. -0.01 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

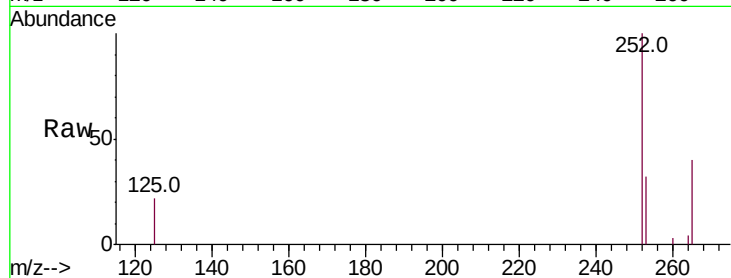
Tot Ion:252 Resp: 3555

Ion Ratio Lower Upper

252 100

253 31.8 0.0 59.6

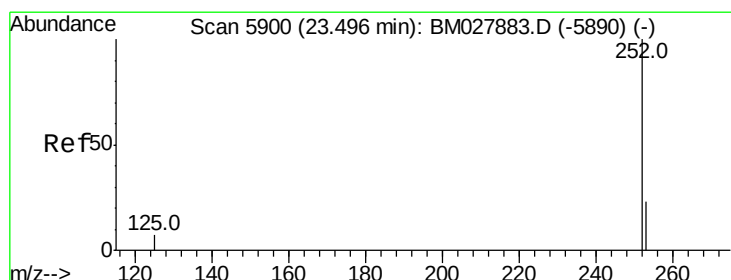
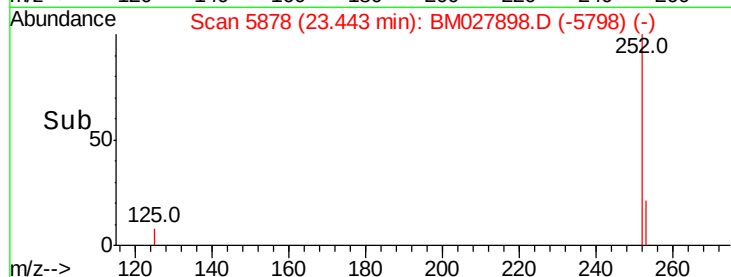
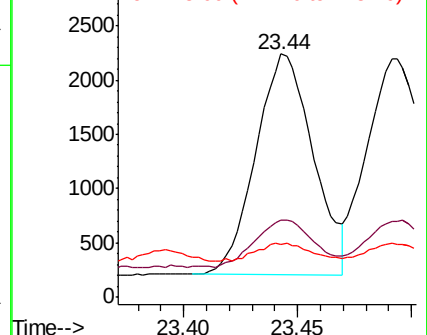
125 21.8 0.0 28.4



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: 0.380 ng/ul

RT: 23.49 min Scan# 5899

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

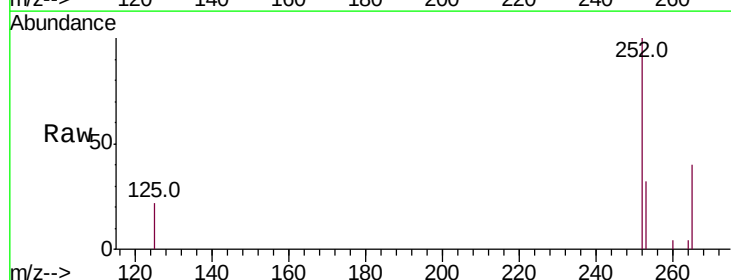
Tgt Ion:252 Resp: 3428

Ion Ratio Lower Upper

252 100

253 31.5 23.2 34.8

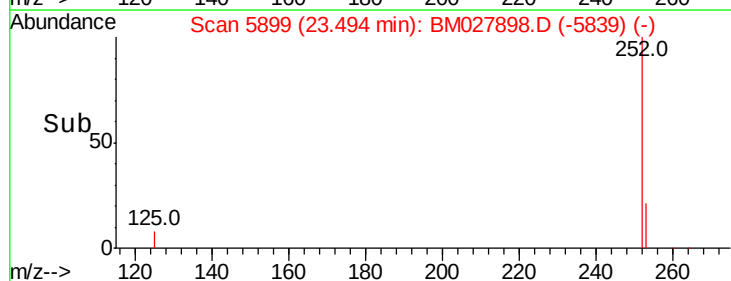
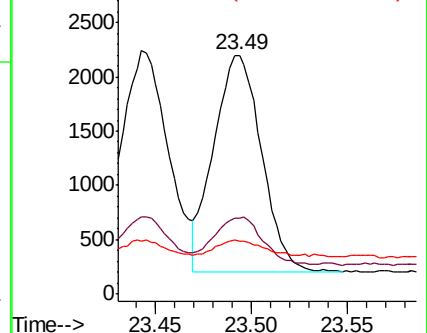
125 22.2 11.8 17.6#

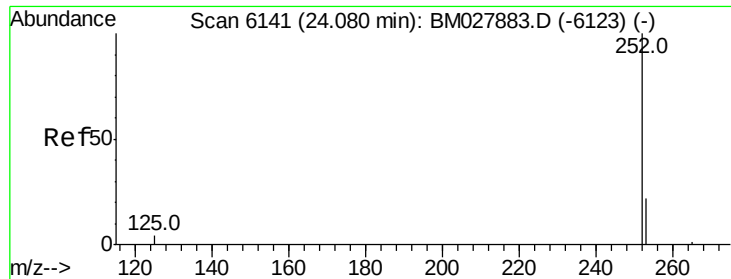


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.398 ng/ul

RT: 24.08 min Scan# 6139

Delta R.T. -0.00 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

Instrument :

BNA\_M

ClientSampleId :

SSTD0.437

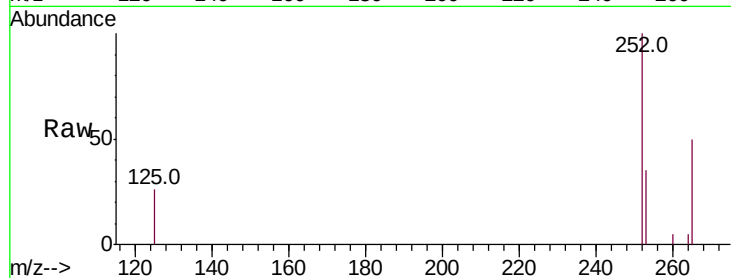
Tot Ion:252 Resp: 3205

Ion Ratio Lower Upper

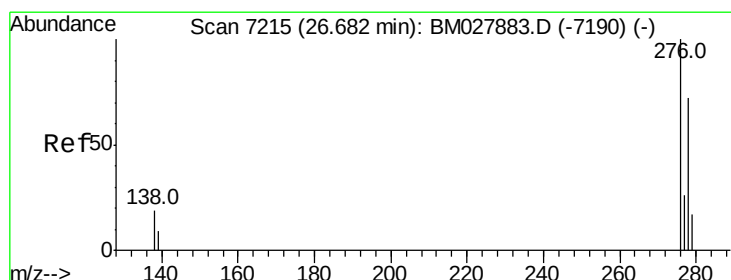
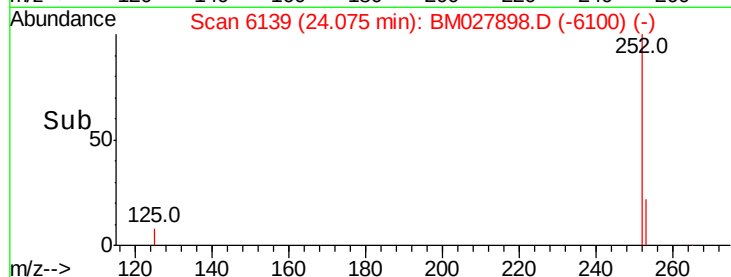
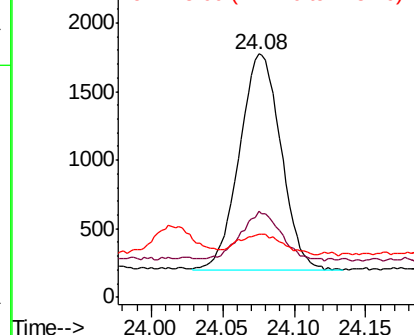
252 100

253 35.3 25.2 37.8

125 25.9 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: 0.428 ng/ul

RT: 26.68 min Scan# 7214

Delta R.T. -0.01 min

Lab File: BM027898.D

Acq: 22 Nov 2020 01:23

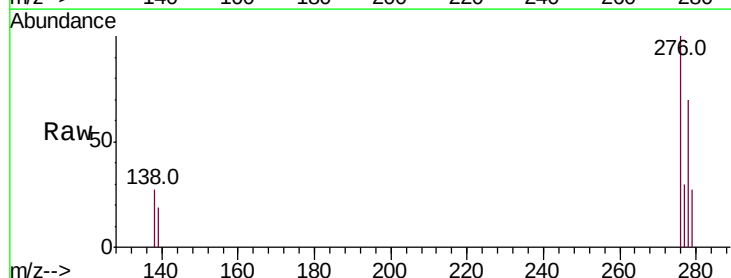
Tgt Ion:276 Resp: 3736

Ion Ratio Lower Upper

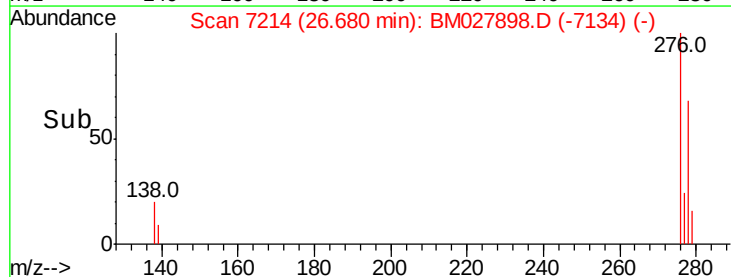
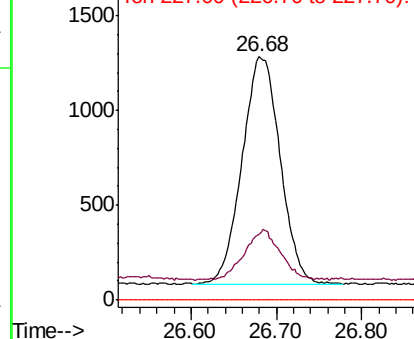
276 100

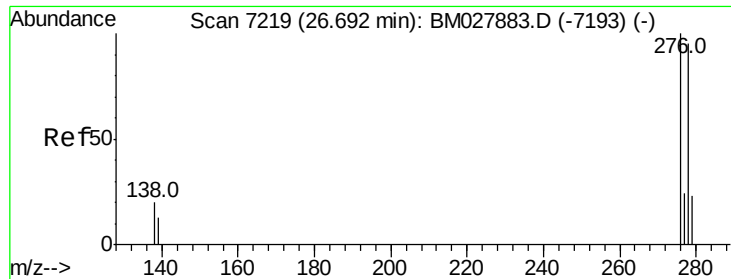
138 19.8 15.7 23.5

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

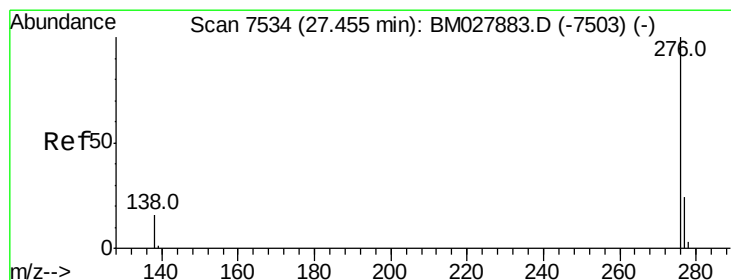
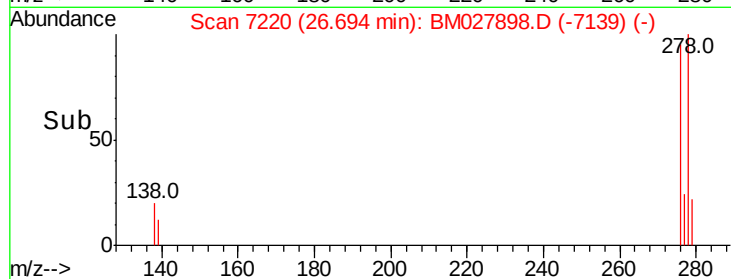
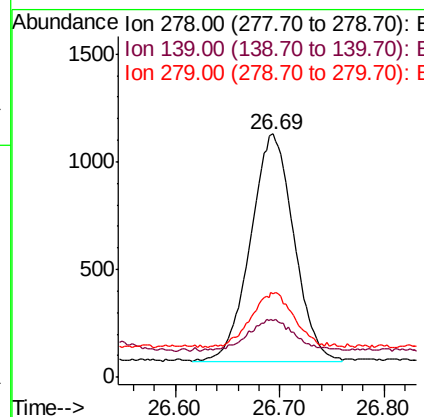
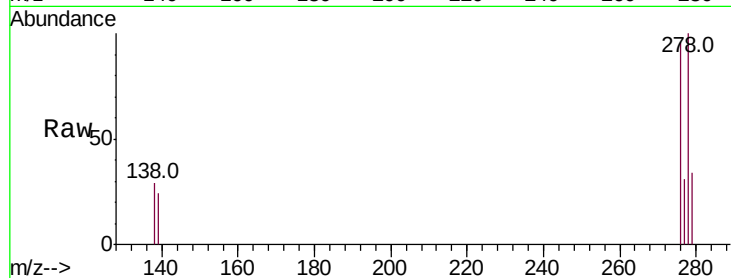




#25  
Dibenzo(a,h)anthracene  
Concen: 0.423 ng/ul  
RT: 26.69 min Scan# 7220  
Delta R.T. -0.00 min  
Lab File: BM027898.D  
Acq: 22 Nov 2020 01:23

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.437

Tot Ion:278 Resp: 3073  
Ion Ratio Lower Upper  
278 100  
139 23.6 14.8 22.2#  
279 34.4 25.8 38.6



#26  
Benzo(g,h,i)perylene  
Concen: 0.431 ng/ul  
RT: 27.45 min Scan# 7532  
Delta R.T. -0.01 min  
Lab File: BM027898.D  
Acq: 22 Nov 2020 01:23

Tgt Ion:276 Resp: 3159  
Ion Ratio Lower Upper  
276 100  
138 25.9 17.4 26.2  
277 31.3 22.5 33.7

