

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\  
 Data File : BM025270.D  
 Acq On : 05 Mar 2020 03:12  
 Operator : CG/JU  
 Sample : L1516-04DL 5X  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD22DL

Quant Time: Mar 05 04:28:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 05 00:55:12 2020  
 Response via : Initial Calibration

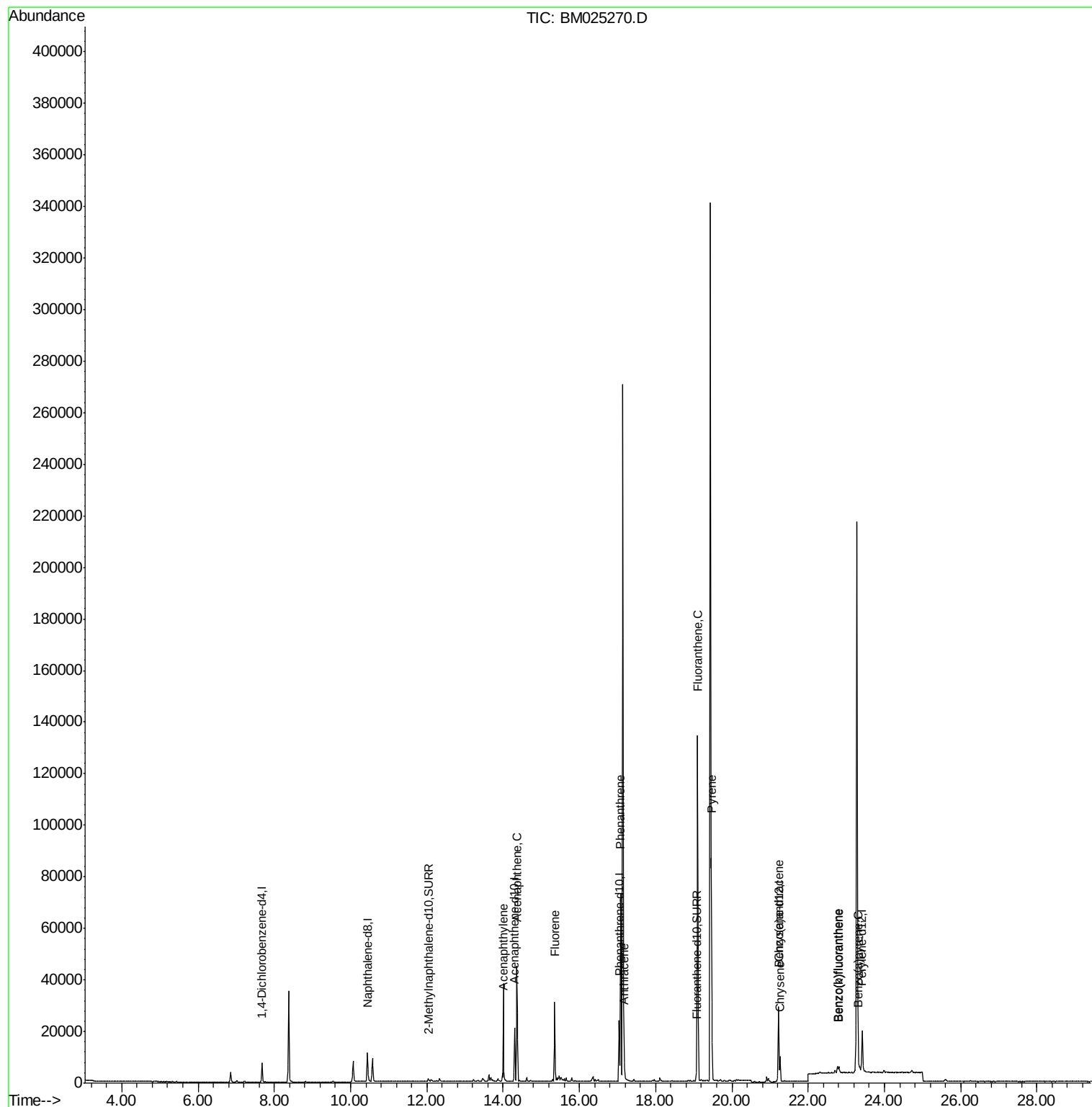
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 3664     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.44 | 136  | 15422    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 11268    | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.04 | 188  | 27739    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.23 | 240  | 23953    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.42 | 264  | 19883    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.04 | 152  | 1349     | 0.05   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.07 | 212  | 3775     | 0.04   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.02 | 152  | 1127     | 0.021  | ng/ul# | 93       |
| 8) Acenaphthene             | 14.36 | 153  | 25472    | 0.622  | ng/ul  | 99       |
| 9) Fluorene                 | 15.35 | 166  | 18922    | 0.369  | ng/ul  | 97       |
| 12) Phenanthrene            | 17.08 | 178  | 74384    | 0.832  | ng/ul  | 95       |
| 13) Anthracene              | 17.17 | 178  | 8166     | 0.103  | ng/ul  | 98       |
| 15) Fluoranthene            | 19.10 | 202  | 114513   | 1.023  | ng/ul  | 94       |
| 17) Pyrene                  | 19.46 | 202  | 74114    | 0.816  | ng/ul  | 95       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 10195    | 0.116  | ng/ul  | 99       |
| 19) Chrysene                | 21.26 | 228  | 9237     | 0.095  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.77 | 252  | 3851     | 0.048  | ng/ul  | 72       |
| 22) Benzo(k)fluoranthene    | 22.81 | 252  | 1905     | 0.023  | ng/ul# | 27       |
| 23) Benzo(a)pyrene          | 23.32 | 252  | 1592     | 0.024  | ng/ul# | 44       |

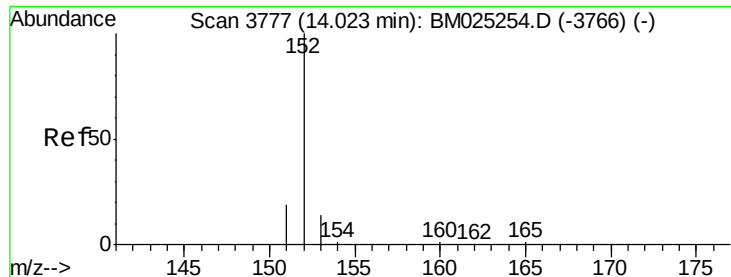
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.021 ng/ul

RT: 14.02 min Scan# 3775

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

Instrument :

BNA\_M

ClientSampleId :

DBD22DL

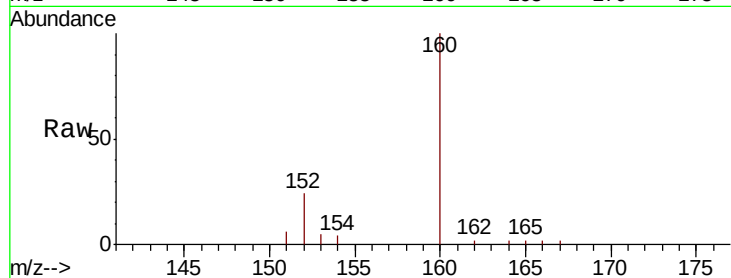
Tot Ion:152 Resp: 1127

Ion Ratio Lower Upper

152 100

151 23.9 17.8 26.8

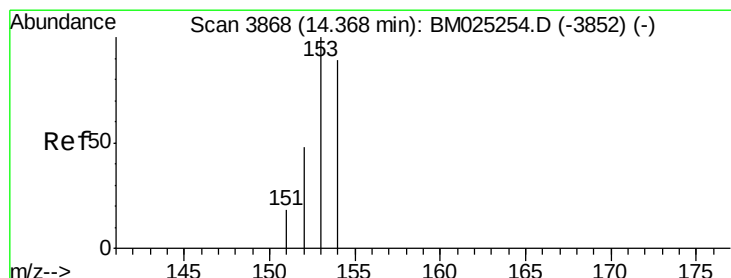
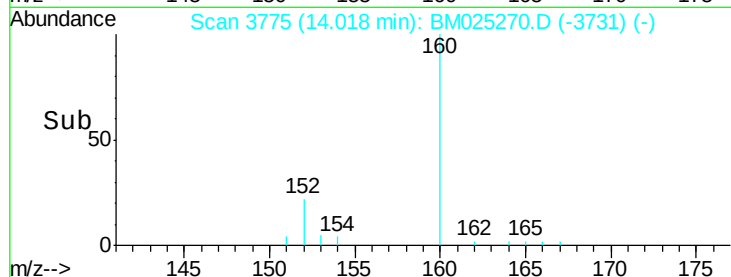
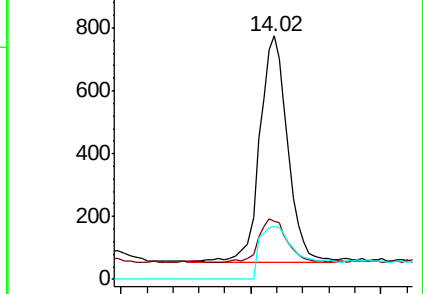
153 21.9 13.3 19.9#



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: 0.622 ng/ul

RT: 14.36 min Scan# 3866

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

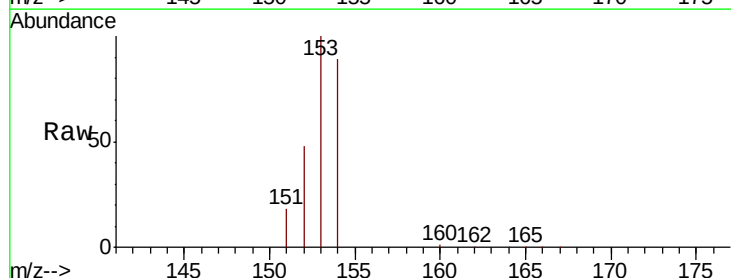
Tgt Ion:153 Resp: 25472

Ion Ratio Lower Upper

153 100

152 48.4 40.0 60.0

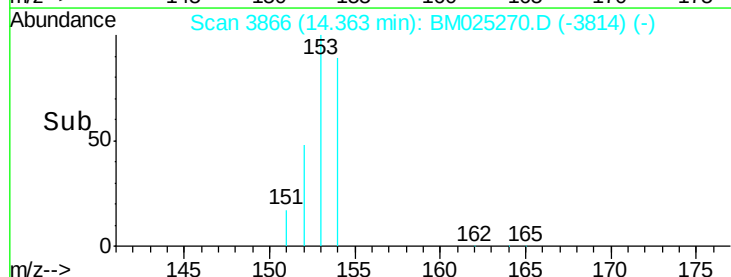
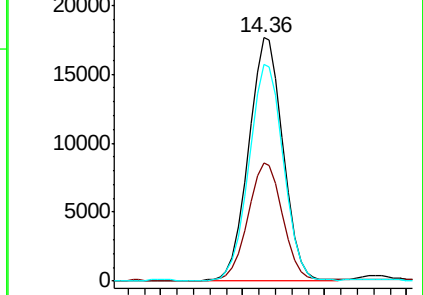
154 88.8 71.0 106.6

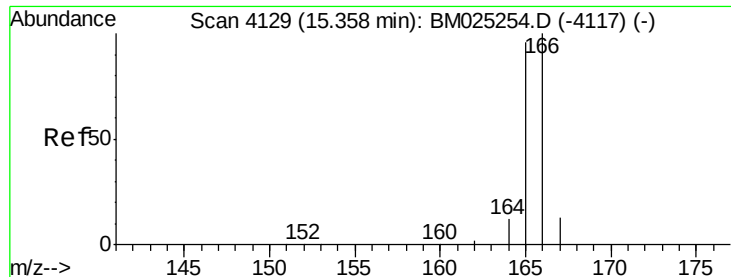


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

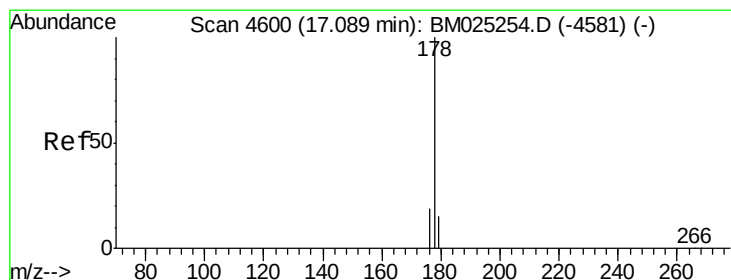
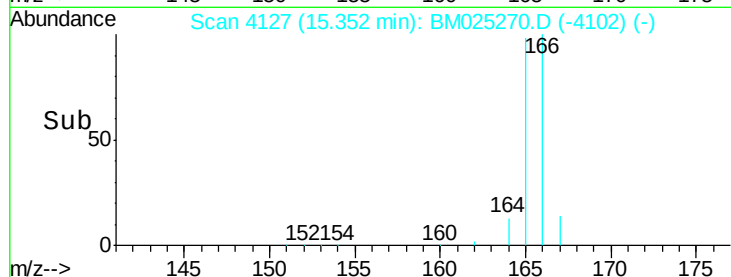
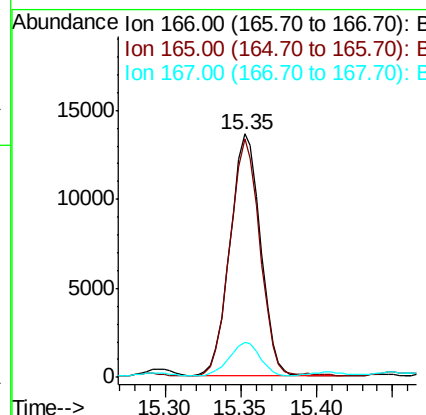
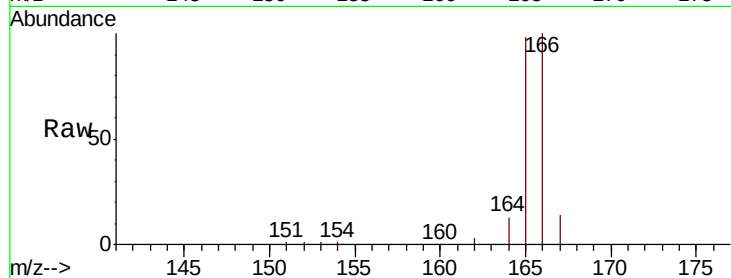




#9  
**Fluorene**  
 Concen: 0.369 ng/ul  
 RT: 15.35 min Scan# 4127  
 Delta R.T. -0.00 min  
 Lab File: BM025270.D  
 Acq: 05 Mar 2020 03:12

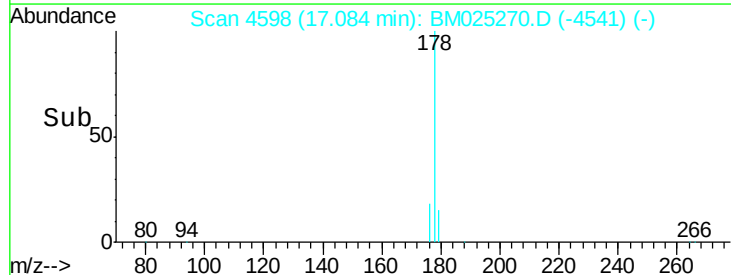
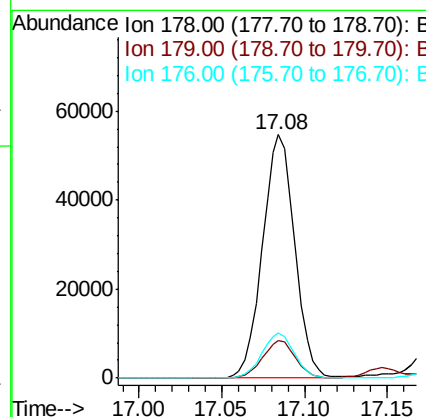
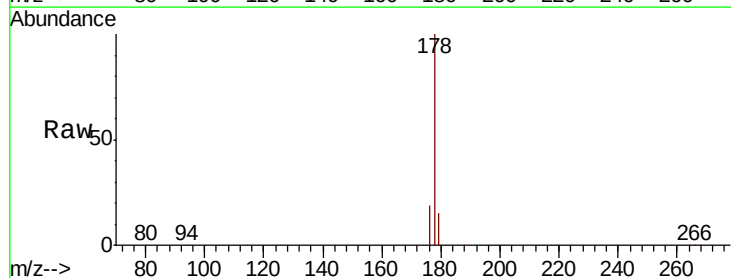
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD22DL

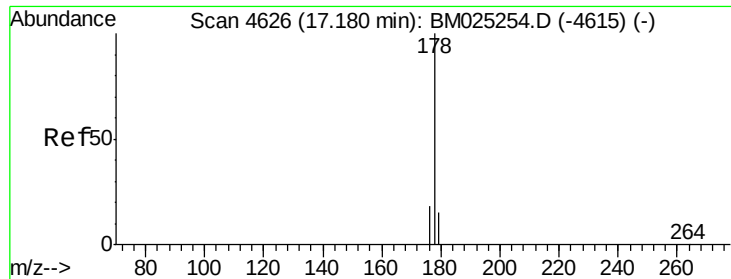
Tot Ion:166 Resp: 18922  
 Ion Ratio Lower Upper  
 166 100  
 165 97.9 80.0 120.0  
 167 14.3 13.7 20.5



#12  
**Phenanthrene**  
 Concen: 0.832 ng/ul  
 RT: 17.08 min Scan# 4598  
 Delta R.T. -0.00 min  
 Lab File: BM025270.D  
 Acq: 05 Mar 2020 03:12

Tgt Ion:178 Resp: 74384  
 Ion Ratio Lower Upper  
 178 100  
 179 15.2 14.0 21.0  
 176 18.6 16.6 24.8





#13

Anthracene

Concen: 0.103 ng/ul

RT: 17.17 min Scan# 4624

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

Instrument :

BNA\_M

ClientSampleId :

DBD22DL

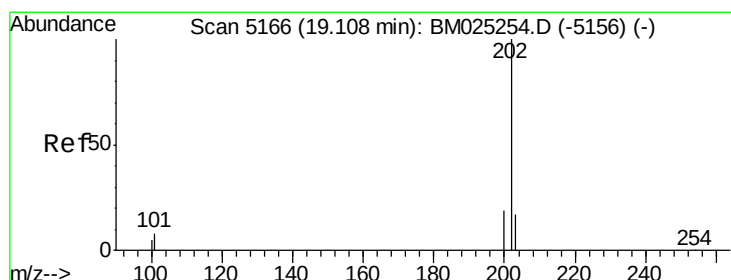
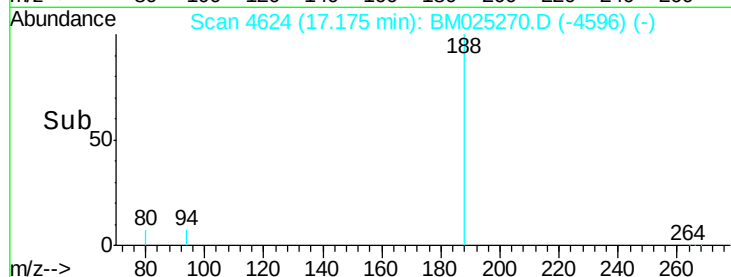
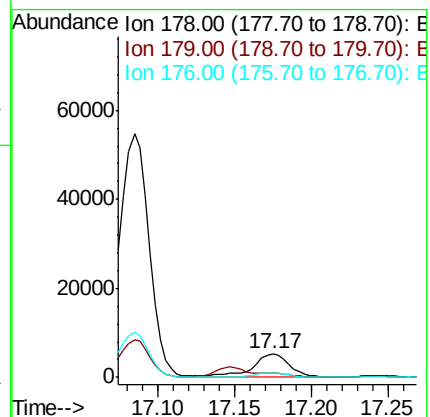
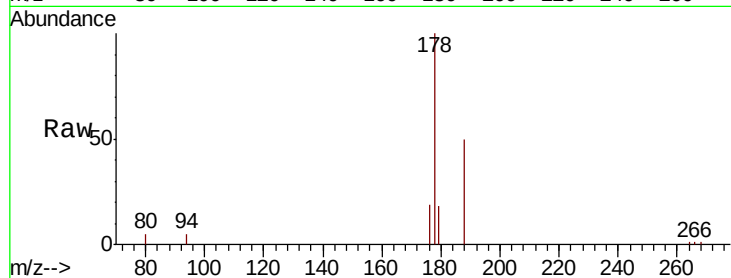
Tot Ion:178 Resp: 8166

Ion Ratio Lower Upper

178 100

179 18.2 14.1 21.1

176 18.8 16.2 24.4



#15

Fluoranthene

Concen: 1.023 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

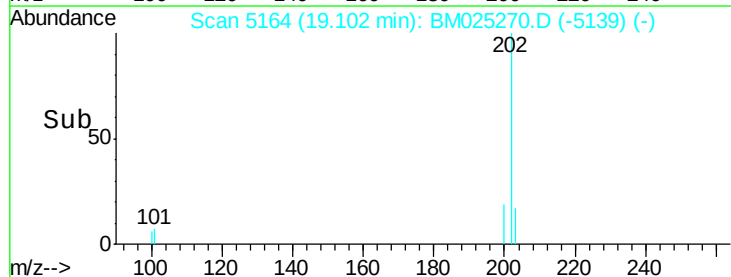
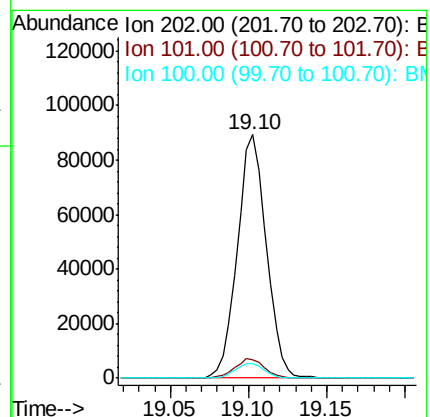
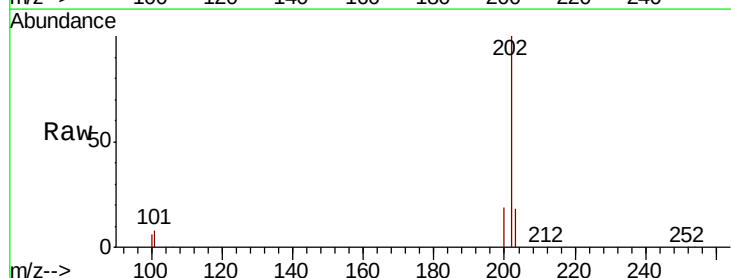
Tgt Ion:202 Resp: 114513

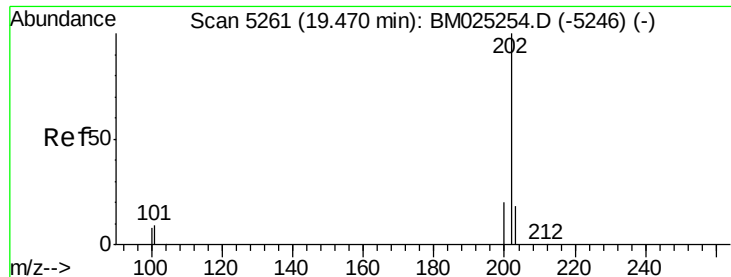
Ion Ratio Lower Upper

202 100

101 7.5 0.0 29.4

100 5.7 0.0 28.0





#17

Pvrene

Concen: 0.816 ng/ul

RT: 19.46 min Scan# 5259

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

Instrument :

BNA\_M

ClientSampleId :

DBD22DL

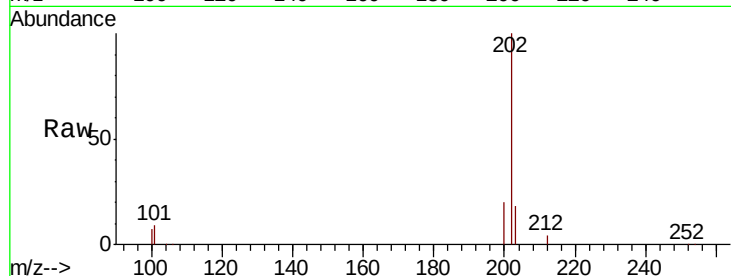
Tot Ion:202 Resp: 74114

Ion Ratio Lower Upper

202 100

101 9.0 8.7 13.1

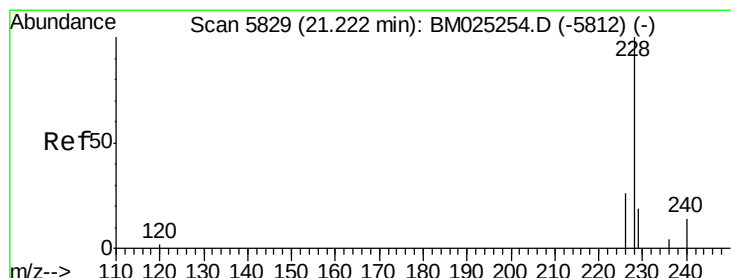
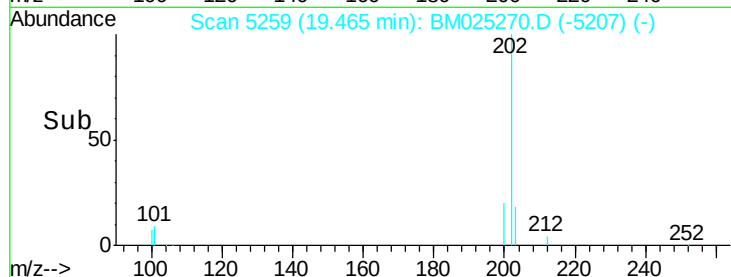
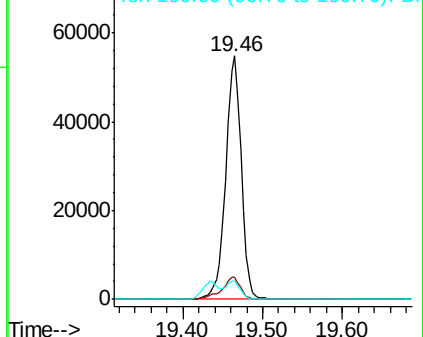
100 7.3 7.3 10.9



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: 0.116 ng/ul

RT: 21.21 min Scan# 5824

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

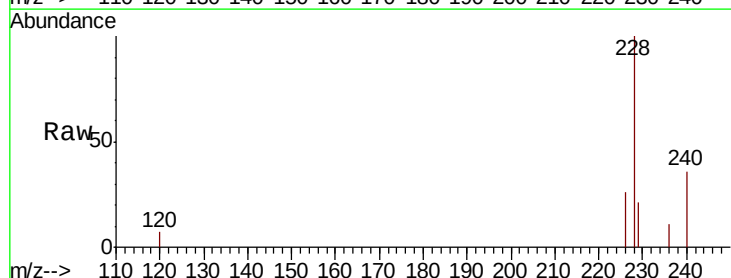
Tgt Ion:228 Resp: 10195

Ion Ratio Lower Upper

228 100

229 20.6 16.6 25.0

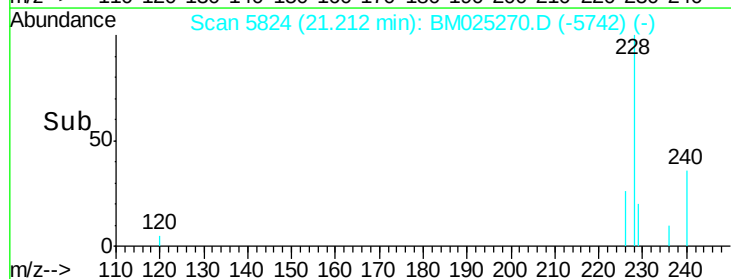
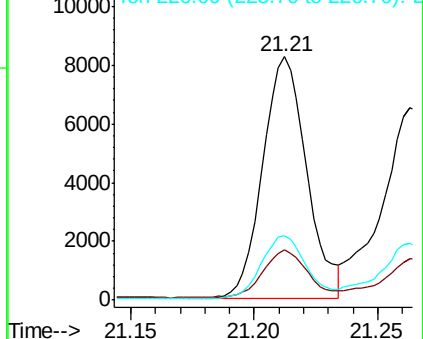
226 26.5 21.9 32.9

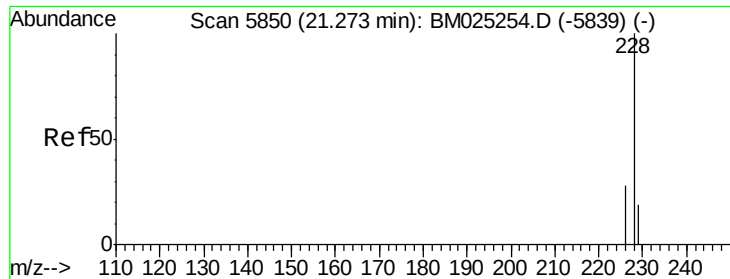


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.095 ng/ul

RT: 21.26 min Scan# 5845

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

Instrument :

BNA\_M

ClientSampled :

DBD22DL

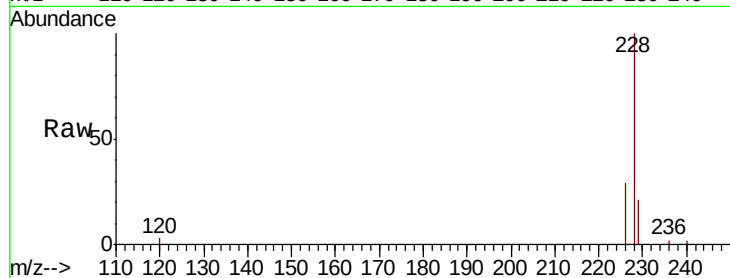
Tot Ion:228 Resp: 9237

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.8

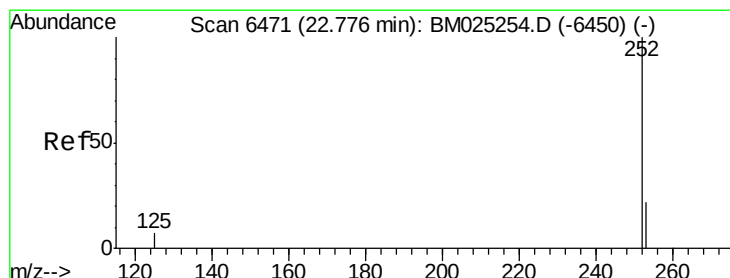
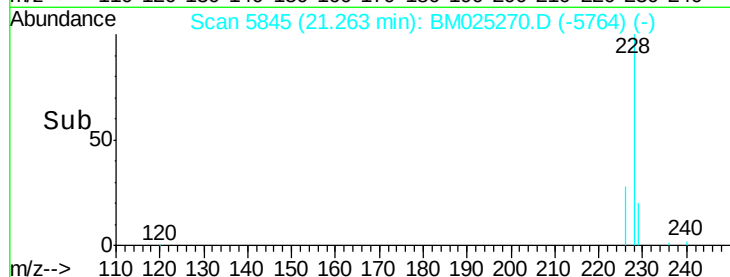
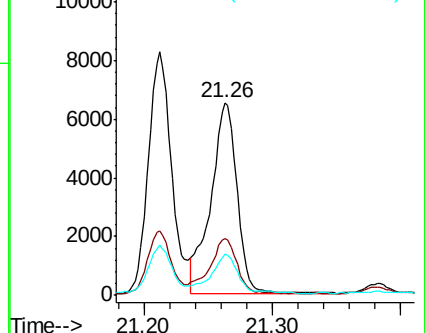
229 21.3 16.9 25.3



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: 0.048 ng/ul

RT: 22.77 min Scan# 6467

Delta R.T. 0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

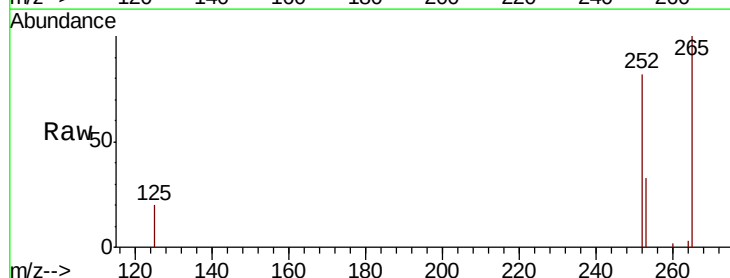
Tgt Ion:252 Resp: 3851

Ion Ratio Lower Upper

252 100

253 40.4 0.0 49.8

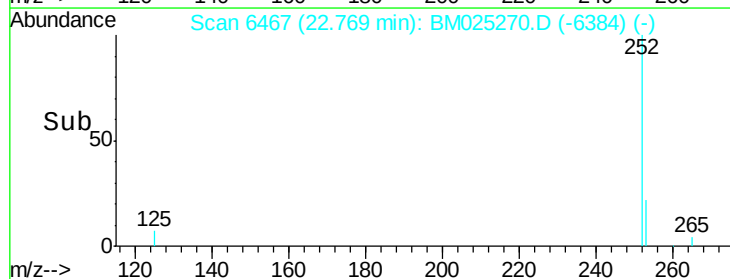
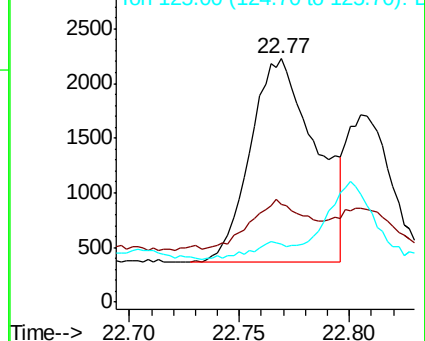
125 23.8 0.0 28.6

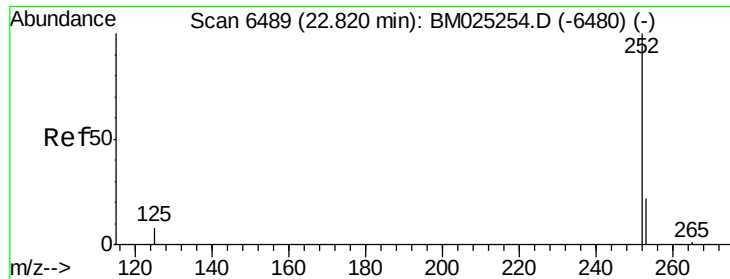


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.023 ng/ul

RT: 22.81 min Scan# 6482

Delta R.T. -0.01 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

Instrument :

BNA\_M

ClientSampleId :

DBD22DL

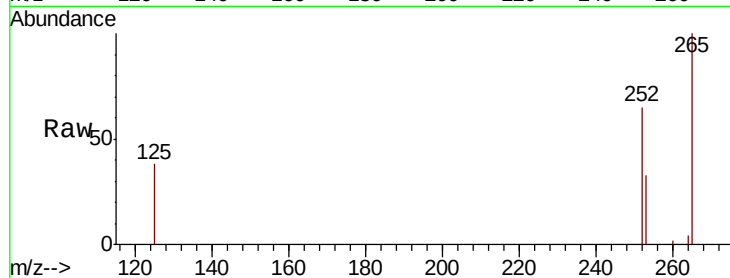
Tot Ion:252 Resp: 1905

Ion Ratio Lower Upper

252 100

253 50.0 19.4 29.0#

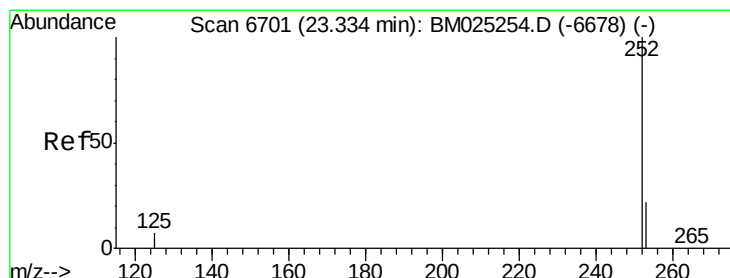
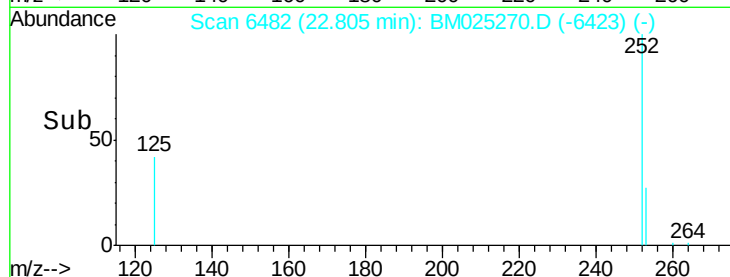
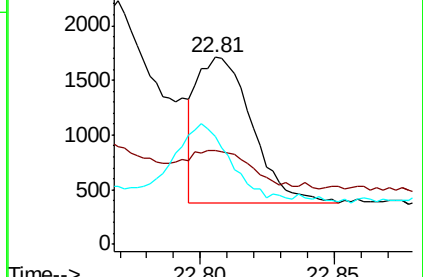
125 57.9 10.7 16.1#



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: 0.024 ng/ul

RT: 23.32 min Scan# 6695

Delta R.T. -0.00 min

Lab File: BM025270.D

Acq: 05 Mar 2020 03:12

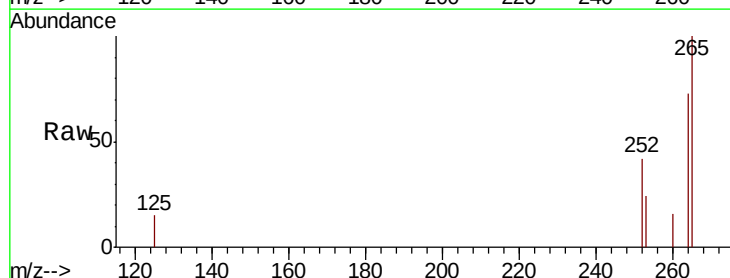
Tgt Ion:252 Resp: 1592

Ion Ratio Lower Upper

252 100

253 56.6 20.3 30.5#

125 36.3 13.0 19.4#



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

