

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070323\  
 Data File : BM040574.D  
 Acq On : 03 Jul 2023 14:19  
 Operator : MA/JU  
 Sample : 03242-13DL 5X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGB4DL

Quant Time: Jul 03 15:24:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 13:40:38 2023  
 Response via : Initial Calibration

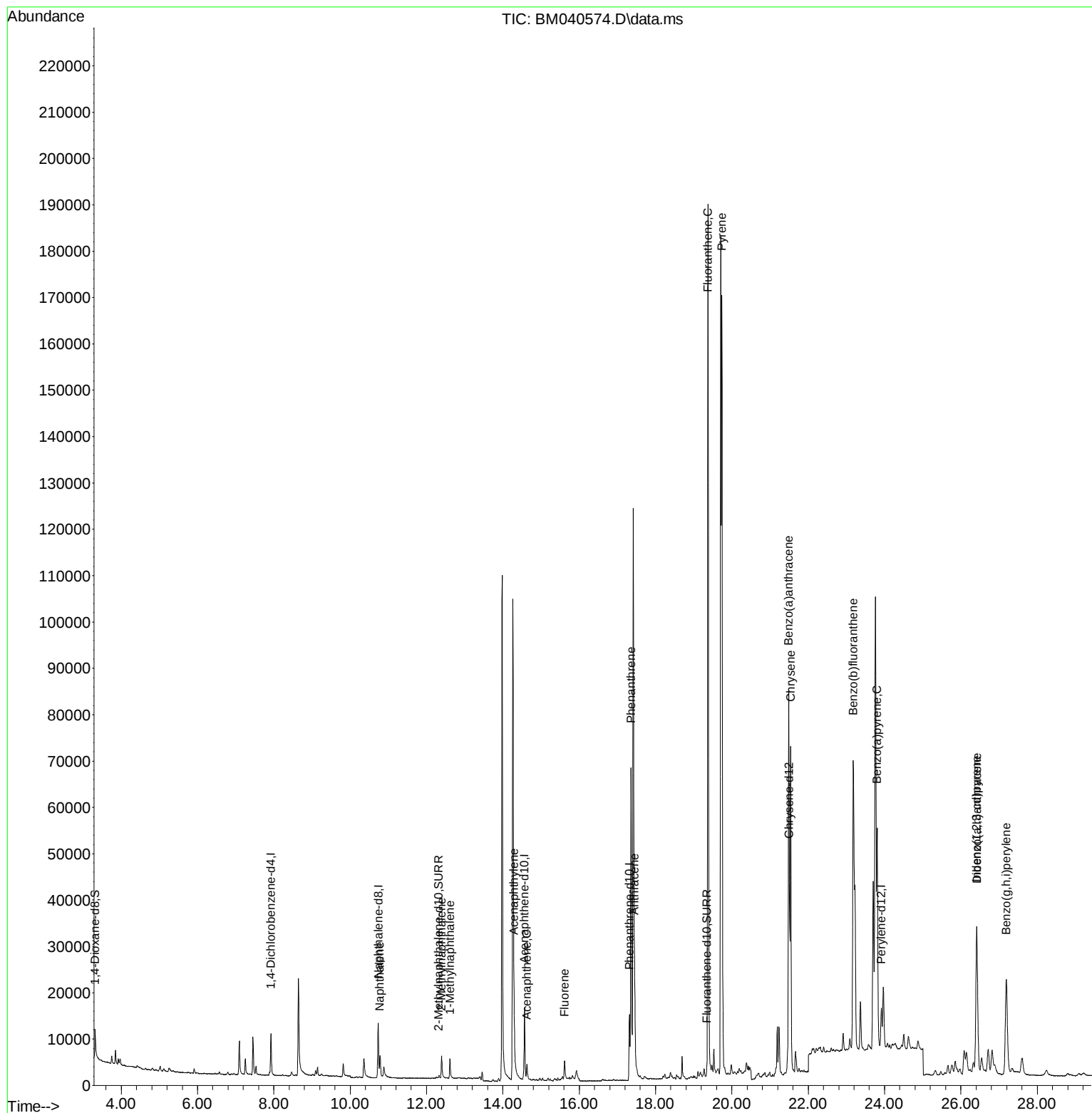
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.923  | 152  | 4911     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.734 | 136  | 18668    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.568 | 164  | 9386     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.315 | 188  | 19714    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.503 | 240  | 13735    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.914 | 264  | 13063    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.316  | 96   | 4353     | 0.564 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.323 | 152  | 1200     | 0.046 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.342 | 212  | 2152     | 0.049 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.778 | 128  | 7048     | 0.137 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 12.395 | 142  | 4501     | 0.149 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.615 | 142  | 3267     | 0.108 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.290 | 152  | 18573    | 0.443 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.628 | 153  | 2092     | 0.059 | ng/ul  | 95       |
| 12) Fluorene                | 15.618 | 166  | 3139     | 0.083 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.357 | 178  | 84863    | 1.386 | ng/ul  | 98       |
| 16) Anthracene              | 17.450 | 178  | 20984    | 0.408 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.375 | 202  | 186949   | 3.204 | ng/ul  | 96       |
| 20) Pyrene                  | 19.737 | 202  | 149383   | 2.388 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.488 | 228  | 83993    | 1.808 | ng/ul  | 97       |
| 22) Chrysene                | 21.541 | 228  | 73550    | 1.388 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.181 | 252  | 119526   | 2.364 | ng/ul  | 92       |
| 26) Benzo(a)pyrene          | 23.806 | 252  | 70276    | 1.543 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.414 | 276  | 58104    | 0.916 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.417 | 278  | 14221    | 0.286 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.188 | 276  | 53302    | 0.959 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

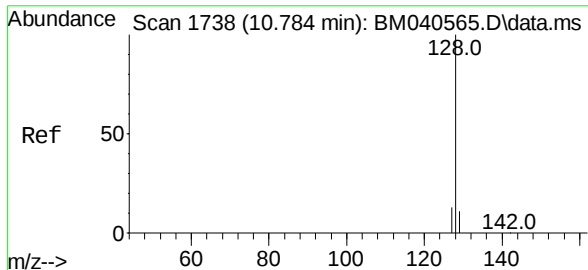
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070323\  
Data File : BM040574.D  
Acq On : 03 Jul 2023 14:19  
Operator : MA/JU  
Sample : 03242-13DL 5X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DCGB4DL

Quant Time: Jul 03 15:24:05 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 03 13:40:38 2023  
Response via : Initial Calibration

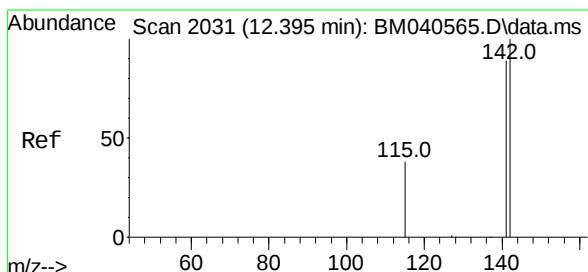
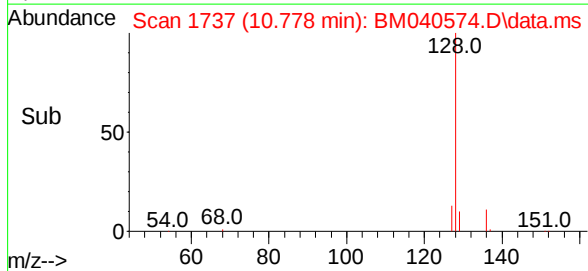
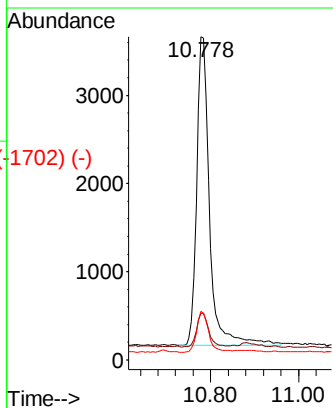
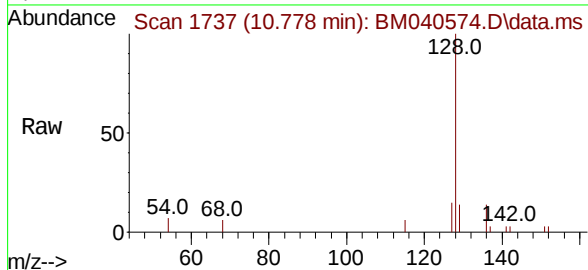




Scan 1738 (10.784 min): BM040565.D\data.ms (-1758) (-)  
 Naphthalene  
 Concen: 0.137 ng/ul  
 RT: 10.778 min Scan# 1738  
 Delta R.T. -0.006 min  
 Lab File: BM040574.D  
 Acq: 03 Jul 2023 14:19

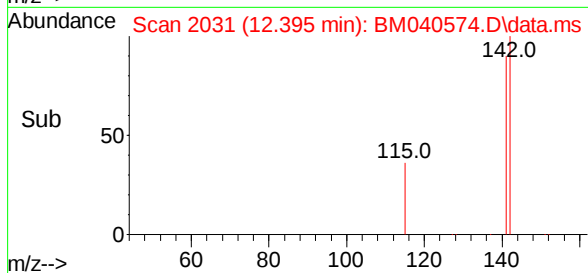
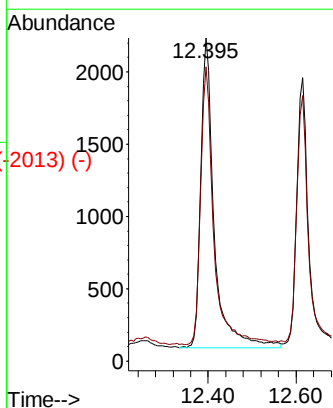
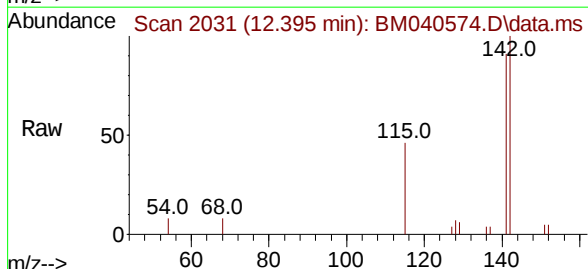
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGB4DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 7048  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 14.5  | 9.2   | 13.8# |
| 127      | 15.0  | 10.6  | 15.8  |



Scan 2031 (12.395 min): BM040565.D\data.ms (-2070) (-)  
 2-Methylnaphthalene  
 Concen: 0.149 ng/ul  
 RT: 12.395 min Scan# 2031  
 Delta R.T. -0.000 min  
 Lab File: BM040574.D  
 Acq: 03 Jul 2023 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 4501  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 87.9  | 71.9  | 107.9 |



Abundance Scan 2071 (12.615 min): BM040565.D\data.ms (-2053) (-)

1-Methylnaphthalene

Concen: 0.108 ng/ul

RT: 12.615 min Scan# 2071

Delta R.T. -0.000 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNA\_M

ClientSampleId :

DCGB4DL

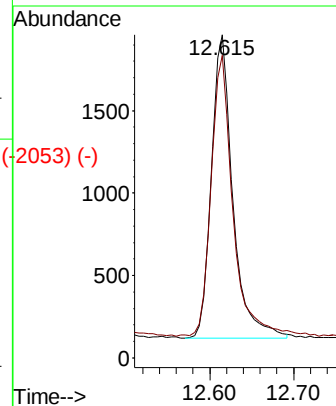
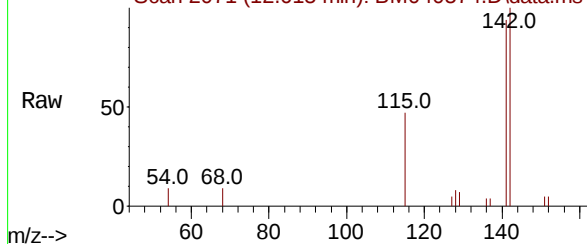
Tgt Ion:142 Resp: 3267

Ion Ratio Lower Upper

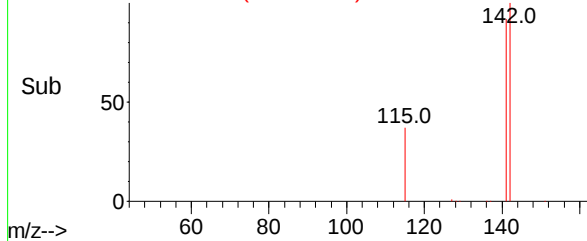
142 100

141 92.8 73.7 110.5

Abundance Scan 2071 (12.615 min): BM040574.D\data.ms



Abundance Scan 2071 (12.615 min): BM040574.D\data.ms (-2053) (-)



Abundance Scan 2406 (14.290 min): BM040565.D\data.ms (-2363) (-)

Acenaphthylene

Concen: 0.443 ng/ul

RT: 14.290 min Scan# 2406

Delta R.T. -0.000 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Tgt Ion:152 Resp: 18573

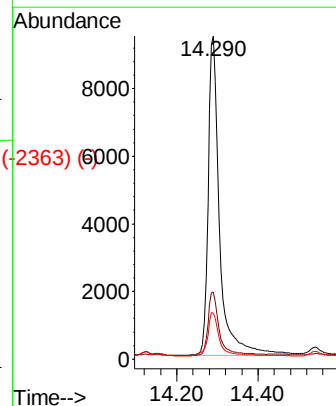
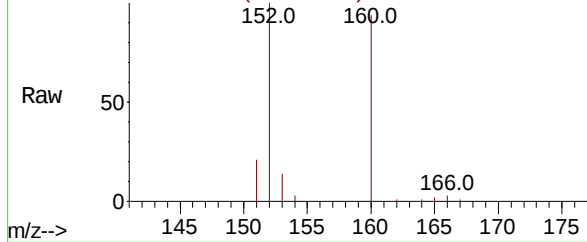
Ion Ratio Lower Upper

152 100

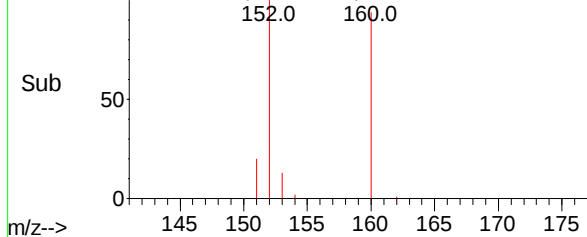
151 20.7 16.2 24.2

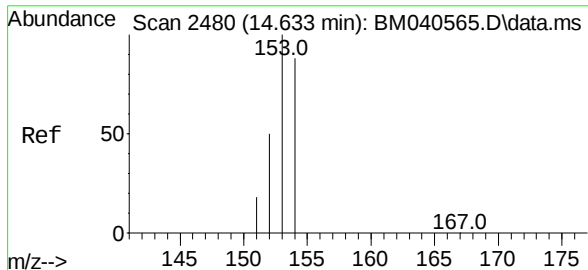
153 14.3 10.9 16.3

Abundance Scan 2406 (14.290 min): BM040574.D\data.ms



Abundance Scan 2406 (14.290 min): BM040574.D\data.ms (-2363) (-)





Acenaphthene

Concen: 0.059 ng/ul

RT: 14.628 min Scan# 2479

Delta R.T. -0.005 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNA\_M

ClientSampleId :

DCGB4DL

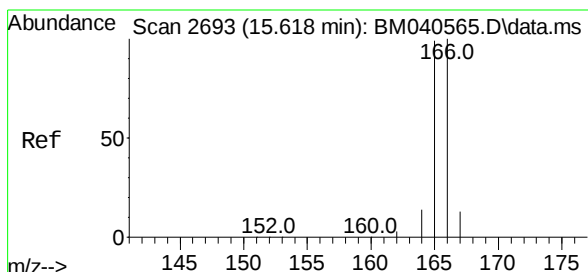
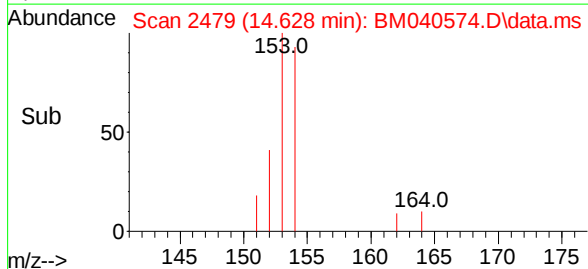
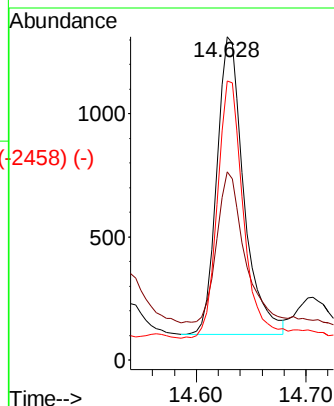
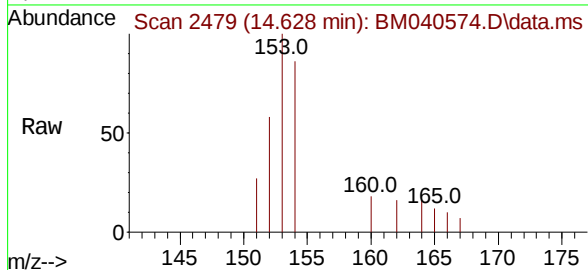
Tgt Ion:153 Resp: 2092

Ion Ratio Lower Upper

153 100

152 58.2 41.0 61.4

154 86.4 70.8 106.2



Fluorene

Concen: 0.083 ng/ul

RT: 15.618 min Scan# 2693

Delta R.T. -0.000 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

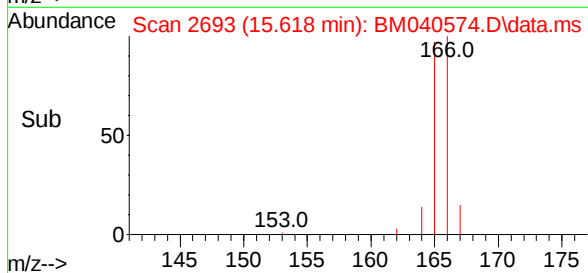
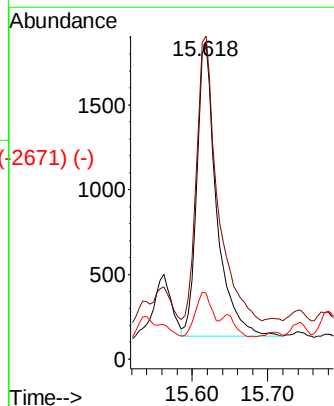
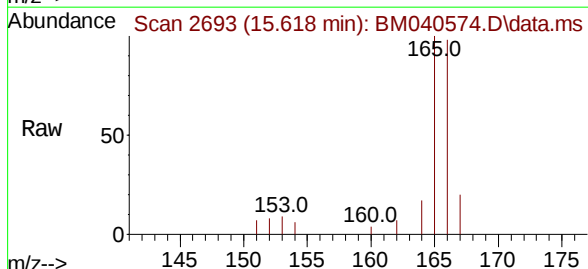
Tgt Ion:166 Resp: 3139

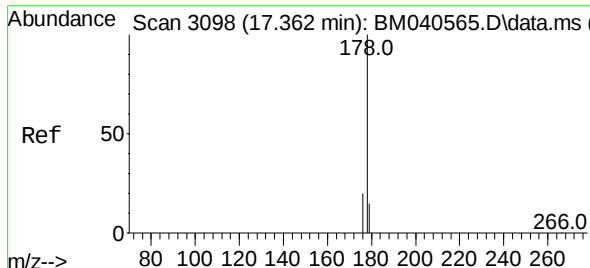
Ion Ratio Lower Upper

166 100

165 102.5 79.6 119.4

167 20.9 11.4 17.0#

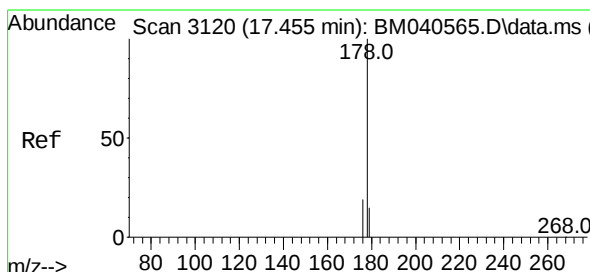
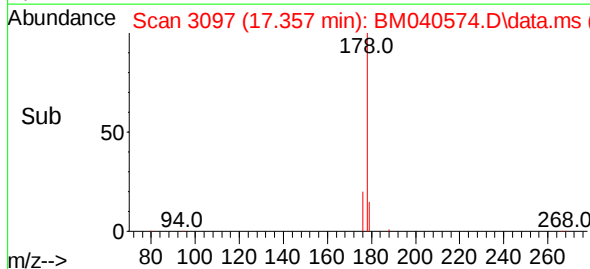
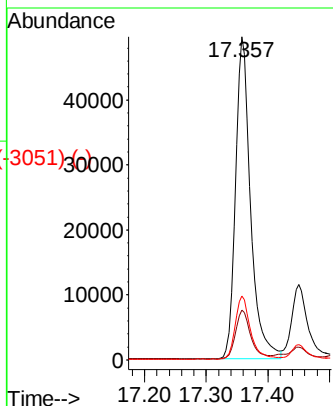
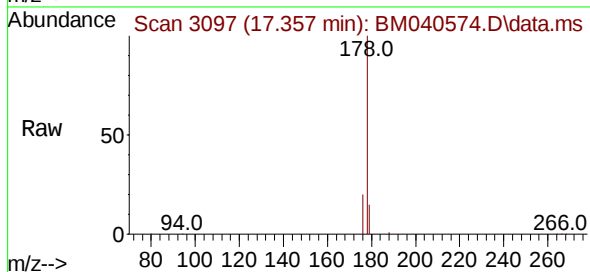




Scan 3098 (17.362 min): BM040565.D\data.ms (-3098) (-)  
 Phenanthrene  
 Concen: 1.386 ng/ul  
 RT: 17.357 min Scan# 3115  
 Delta R.T. -0.004 min  
 Lab File: BM040574.D  
 Acq: 03 Jul 2023 14:19

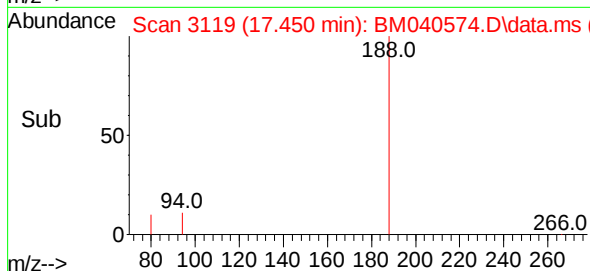
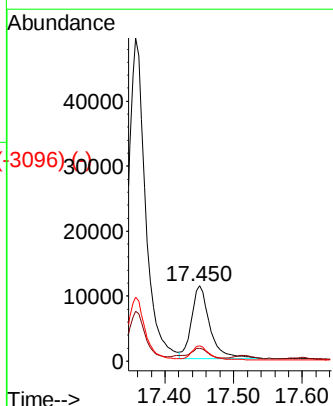
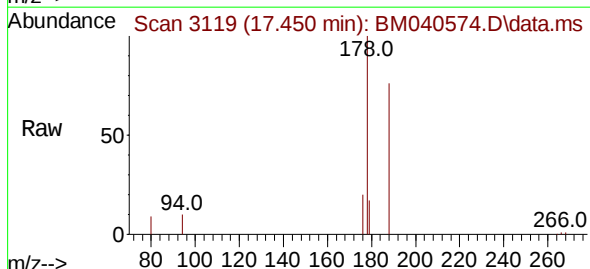
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGB4DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 84863 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.4  | 12.8  | 19.2  |
| 176      | 19.7  | 16.4  | 24.6  |

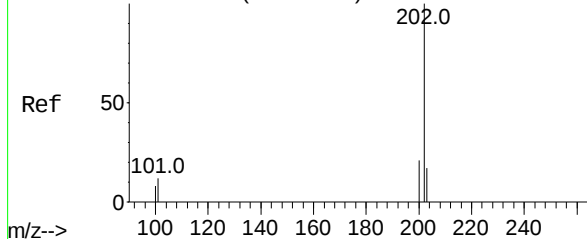


Scan 3120 (17.455 min): BM040565.D\data.ms (-3119) (-)  
 Anthracene  
 Concen: 0.408 ng/ul  
 RT: 17.450 min Scan# 3119  
 Delta R.T. -0.004 min  
 Lab File: BM040574.D  
 Acq: 03 Jul 2023 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 20984 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 17.2  | 12.9  | 19.3  |
| 176      | 19.8  | 15.8  | 23.6  |



Abundance Scan 3557 (19.380 min): BM040565.D\data.ms (-3549) (-)



Fluoranthene

Concen: 3.204 ng/ul

RT: 19.375 min Scan#

Delta R.T. -0.005 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

Instrument :

BNA\_M

ClientSampleId :

DCGB4DL

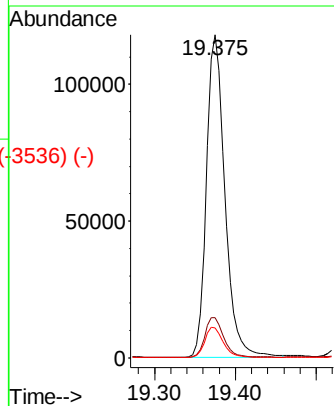
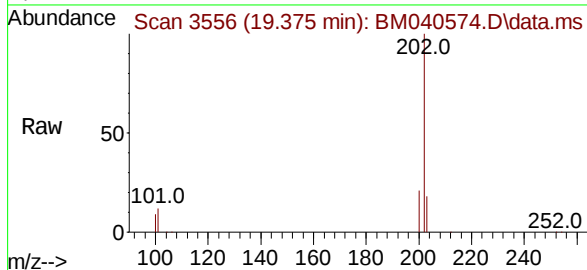
Tgt Ion:202 Resp: 186949

Ion Ratio Lower Upper

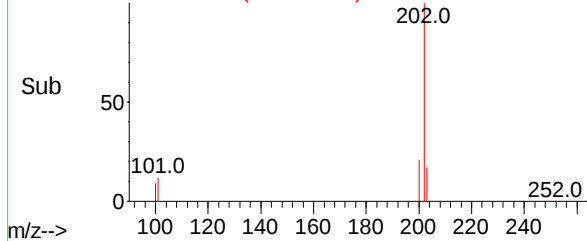
202 100

101 12.4 11.4 17.0

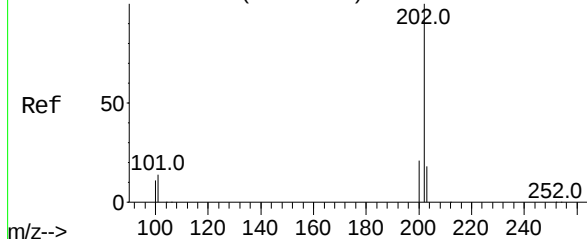
100 9.3 8.7 13.1



Abundance Scan 3556 (19.375 min): BM040574.D\data.ms (-3536) (-)



Abundance Scan 3635 (19.742 min): BM040565.D\data.ms (-3629) (-)



Pyrene

Concen: 2.388 ng/ul

RT: 19.737 min Scan# 3634

Delta R.T. -0.005 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

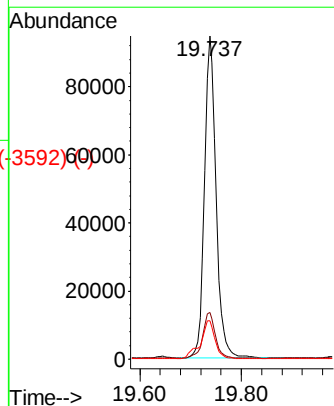
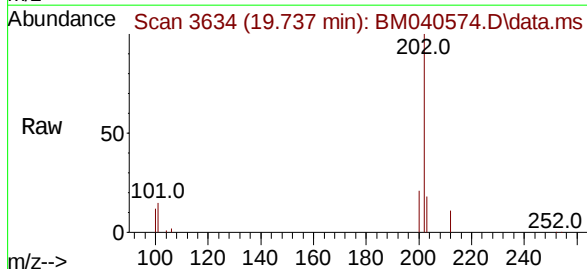
Tgt Ion:202 Resp: 149383

Ion Ratio Lower Upper

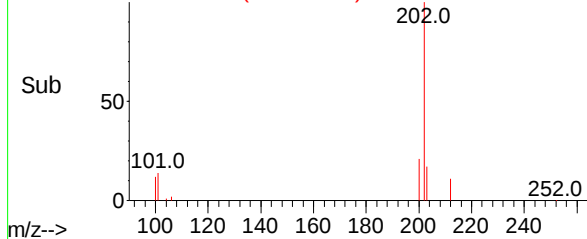
202 100

101 14.5 12.6 18.8

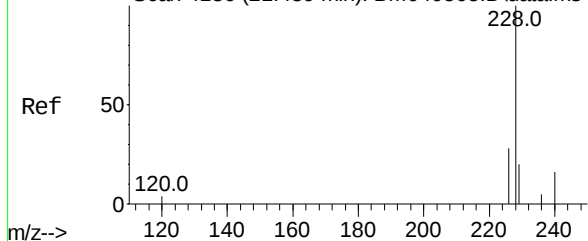
100 11.9 9.8 14.6



Abundance Scan 3634 (19.737 min): BM040574.D\data.ms (-3592) (-)



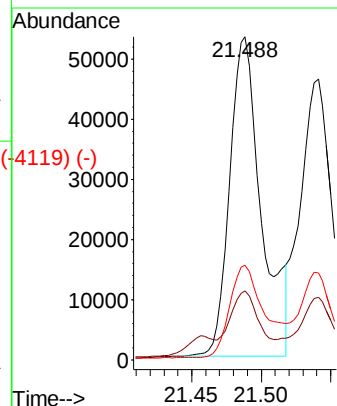
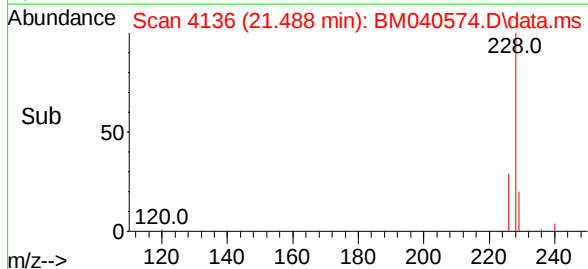
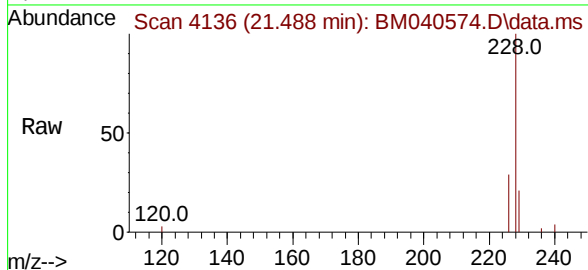
Abundance Scan 4136 (21.489 min): BM040565.D\data.ms (-4121) (-)



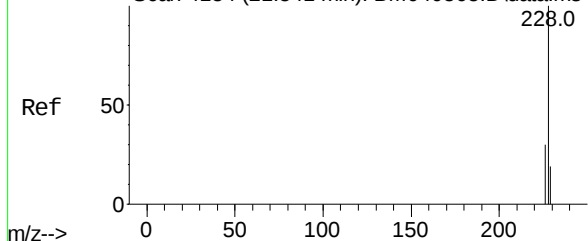
Benzo(a)anthracene  
Concen: 1.808 ng/ul  
RT: 21.488 min Scan# 4136  
Delta R.T. -0.000 min  
Lab File: BM040574.D  
Acq: 03 Jul 2023 14:19

Instrument :  
BNA\_M  
ClientSampleId :  
DCGB4DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 83993 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 21.5  | 16.0  | 24.0  |
| 226      | 29.3  | 22.3  | 33.5  |

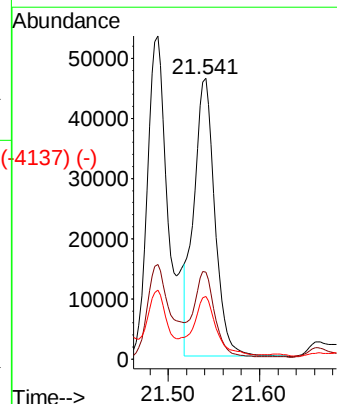
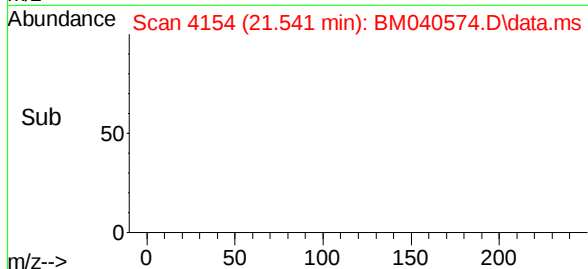
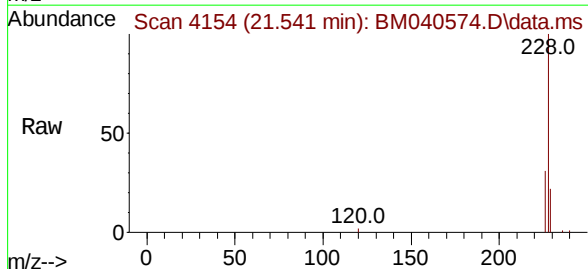


Abundance Scan 4154 (21.541 min): BM040565.D\data.ms (-4122) (-)

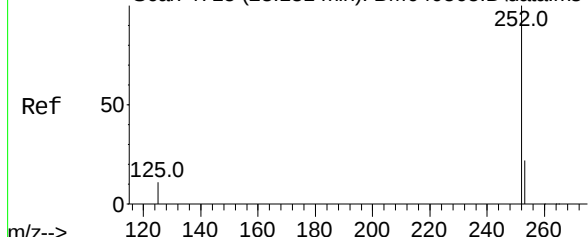


Chrysene  
Concen: 1.388 ng/ul  
RT: 21.541 min Scan# 4154  
Delta R.T. -0.000 min  
Lab File: BM040574.D  
Acq: 03 Jul 2023 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 73550 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 31.0  | 24.9  | 37.3  |
| 229      | 22.3  | 15.8  | 23.6  |



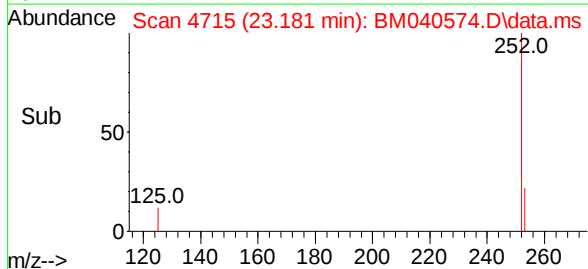
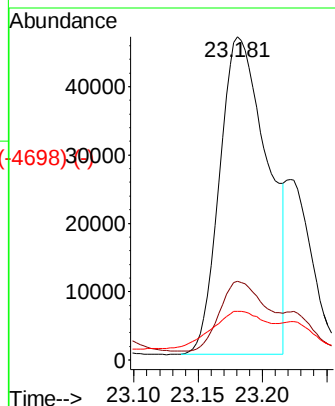
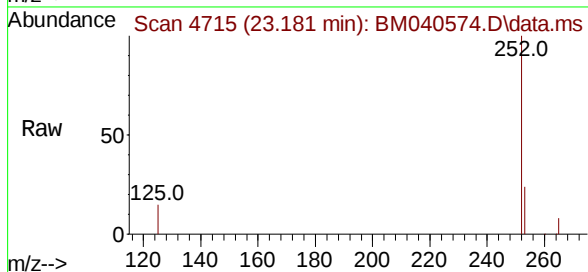
Abundance Scan 4715 (23.181 min): BM040565.D\data.ms (-4624) (-)



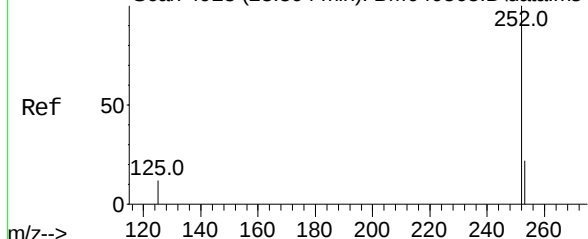
Benzo(b)fluoranthene  
Concen: 2.364 ng/ul  
RT: 23.181 min Scan# 4715  
Delta R.T. -0.000 min  
Lab File: BM040574.D  
Acq: 03 Jul 2023 14:19

Instrument :  
BNA\_M  
ClientSampleId :  
DCGB4DL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 119526 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 24.4  | 0.0   | 52.8   |
| 125      | 15.1  | 0.0   | 43.0   |

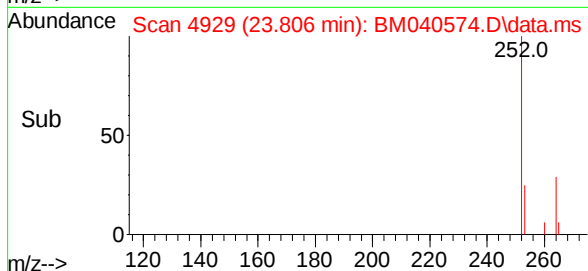
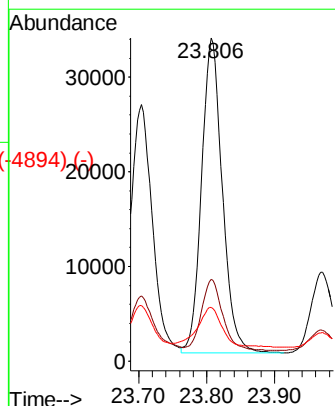
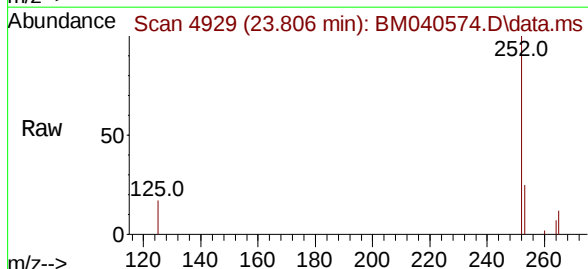


Abundance Scan 4928 (23.804 min): BM040565.D\data.ms (-4624) (-)



Benzo(a)pyrene  
Concen: 1.543 ng/ul  
RT: 23.806 min Scan# 4929  
Delta R.T. 0.003 min  
Lab File: BM040574.D  
Acq: 03 Jul 2023 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 70276 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 25.3  | 22.9  | 34.3  |
| 125      | 16.7  | 21.0  | 31.4# |



Abundance Scan 5760 (26.417 min): BM040565.D\data.ms (-5726) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.916 ng/ul

RT: 26.414 min Scan#

Delta R.T. -0.003 min

Lab File: BM040574.D

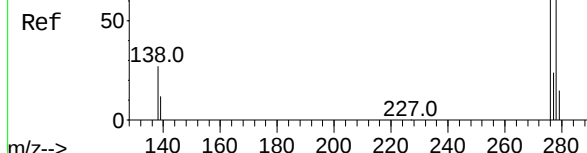
Acq: 03 Jul 2023 14:19

Instrument :

BNM

ClientSampleId :

DCGB4DL



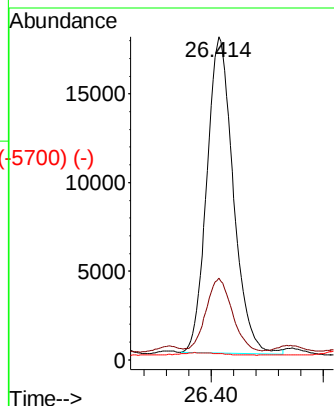
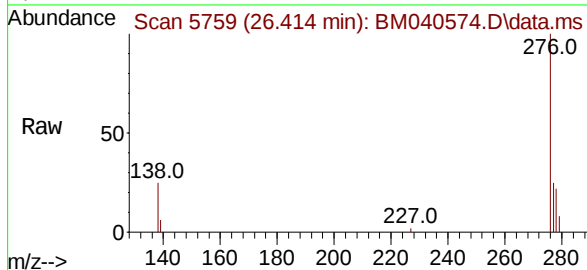
Tgt Ion:276 Resp: 58104

Ion Ratio Lower Upper

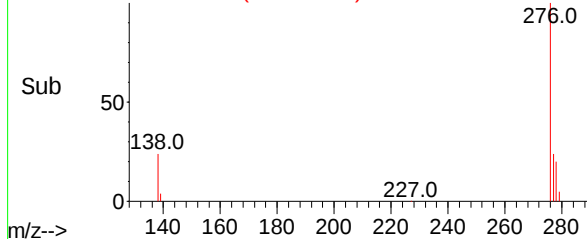
276 100

138 23.0 24.5 36.7#

227 0.0 0.1 0.1#



Abundance Scan 5759 (26.414 min): BM040574.D\data.ms (-5700) (-)



Abundance Scan 5764 (26.430 min): BM040565.D\data.ms (-5729) (-)

Dibenzo(a,h)anthracene

Concen: 0.286 ng/ul

RT: 26.417 min Scan# 5760

Delta R.T. -0.014 min

Lab File: BM040574.D

Acq: 03 Jul 2023 14:19

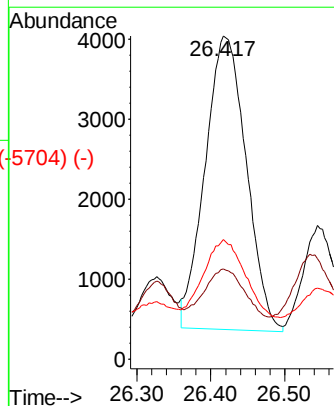
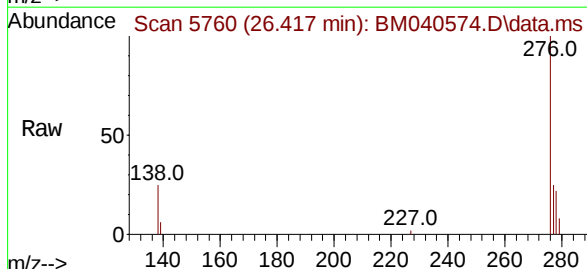
Tgt Ion:278 Resp: 14221

Ion Ratio Lower Upper

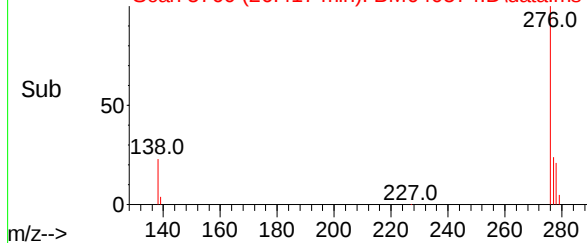
278 100

139 27.9 17.9 26.9#

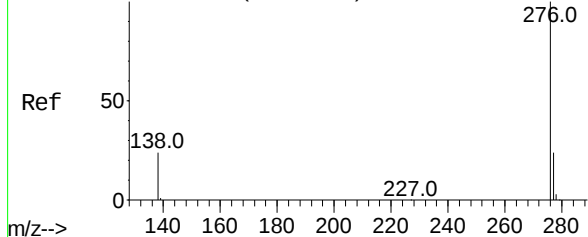
279 37.0 22.0 33.0#



Abundance Scan 5760 (26.417 min): BM040574.D\data.ms (-5704) (-)



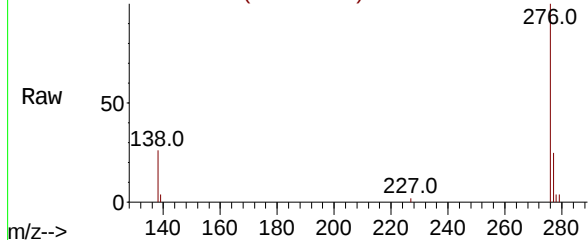
Abundance Scan 5988 (27.182 min): BM040565.D\data.ms (-5988) (-)



Benzo(g,h,i)perylene  
Concen: 0.959 ng/u1  
RT: 27.188 min Scan# 5988  
Delta R.T. 0.007 min  
Lab File: BM040574.D  
Acq: 03 Jul 2023 14:19

Instrument :  
BNA\_M  
ClientSampleId :  
DCGB4DL

Abundance Scan 5990 (27.188 min): BM040574.D\data.ms



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 53302 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 26.4  | 23.0  | 34.6  |
| 277      | 25.1  | 20.3  | 30.5  |

Abundance Scan 5990 (27.188 min): BM040574.D\data.ms (-5928) (-)

