

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122221\  
 Data File : BM033576.D  
 Acq On : 22 Dec 2021 15:03  
 Operator : CG/JU  
 Sample : PB141312BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS312

Quant Time: Dec 23 00:36:06 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 22 12:43:31 2021  
 Response via : Initial Calibration

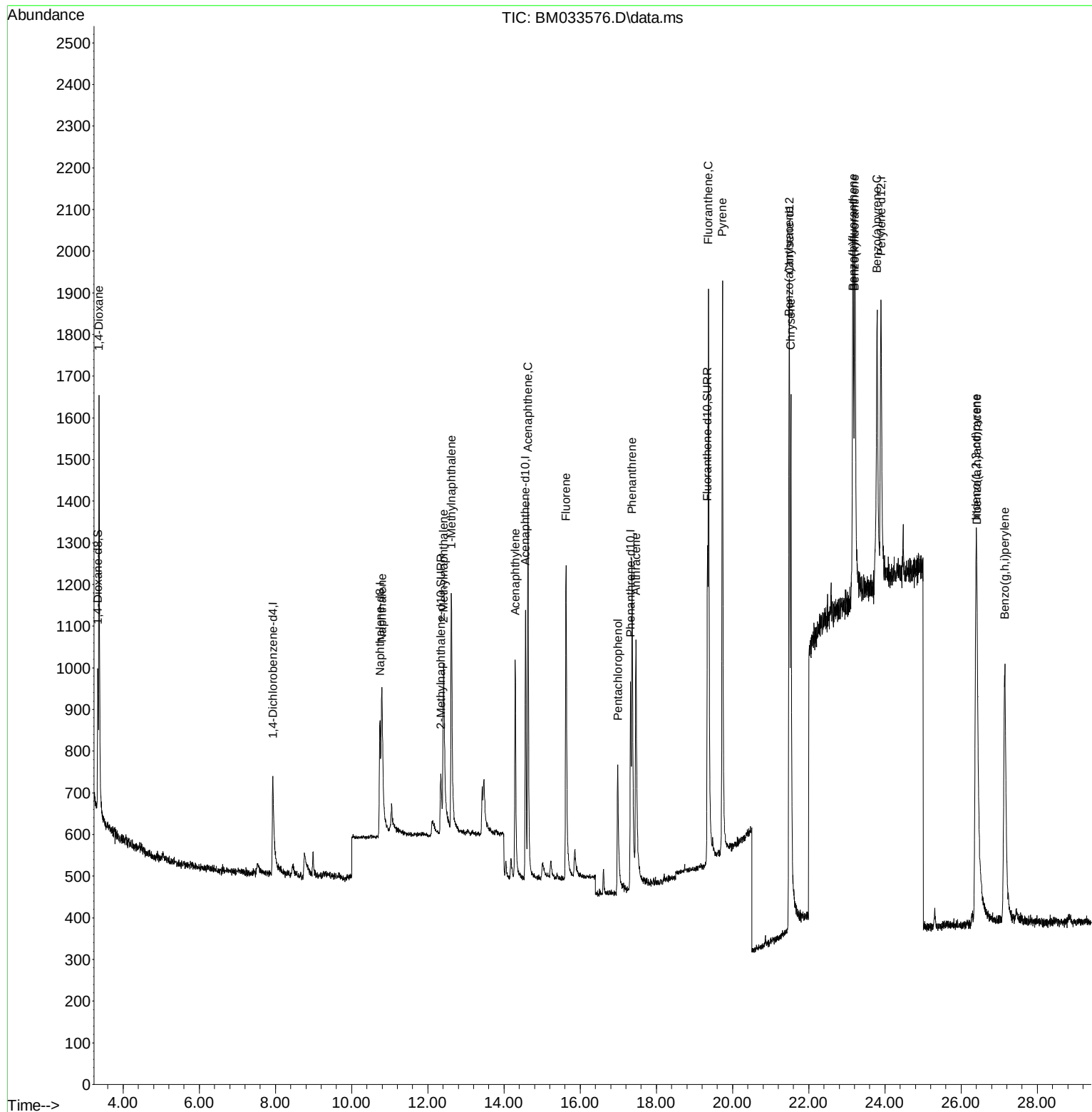
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.939  | 152  | 242      | 0.400 | ng/ul  | 0.02     |
| 4) Naphthalene-d8           | 10.747 | 136  | 715      | 0.400 | ng/ul  | # 0.01   |
| 9) Acenaphthene-d10         | 14.564 | 164  | 407      | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.323 | 188  | 897      | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.494 | 240  | 1171     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.897 | 264  | 1220     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.337  | 96   | 208      | 1.007 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.339 | 152  | 346      | 0.362 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 19.341 | 212  | 1208     | 0.446 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.368  | 88   | 625      | 2.336 | ng/ul  | 92       |
| 5) Naphthalene              | 10.796 | 128  | 862      | 0.365 | ng/ul# | 82       |
| 7) 2-Methylnaphthalene      | 12.415 | 142  | 526      | 0.327 | ng/ul  | 94       |
| 8) 1-Methylnaphthalene      | 12.618 | 142  | 517      | 0.344 | ng/ul  | 95       |
| 10) Acenaphthylene          | 14.291 | 152  | 841      | 0.386 | ng/ul# | 91       |
| 11) Acenaphthene            | 14.629 | 153  | 658      | 0.396 | ng/ul  | 95       |
| 12) Fluorene                | 15.630 | 166  | 732      | 0.398 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.986 | 266  | 334      | 0.743 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.361 | 178  | 1151     | 0.396 | ng/ul# | 89       |
| 16) Anthracene              | 17.465 | 178  | 1028     | 0.377 | ng/ul# | 87       |
| 19) Fluoranthene            | 19.368 | 202  | 1501     | 0.418 | ng/ul# | 89       |
| 20) Pyrene                  | 19.734 | 202  | 1598     | 0.425 | ng/ul# | 91       |
| 21) Benzo(a)anthracene      | 21.482 | 228  | 1196     | 0.372 | ng/ul  | 91       |
| 22) Chrysene                | 21.530 | 228  | 1499     | 0.413 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.160 | 252  | 1542     | 0.400 | ng/ul  | 86       |
| 25) Benzo(k)fluoranthene    | 23.209 | 252  | 1698     | 0.419 | ng/ul# | 84       |
| 26) Benzo(a)pyrene          | 23.792 | 252  | 1420     | 0.398 | ng/ul# | 82       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.387 | 276  | 2045     | 0.413 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.414 | 278  | 1649     | 0.415 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 27.148 | 276  | 1871     | 0.428 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

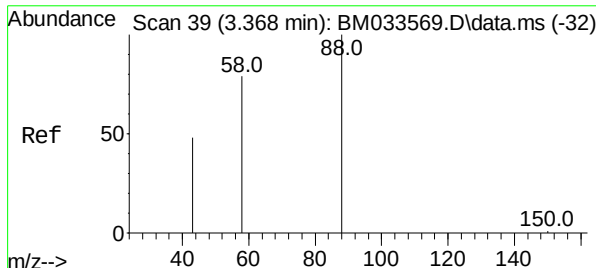
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122221\  
Data File : BM033576.D  
Acq On : 22 Dec 2021 15:03  
Operator : CG/JU  
Sample : PB141312BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

Quant Time: Dec 23 00:36:06 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 22 12:43:31 2021  
Response via : Initial Calibration

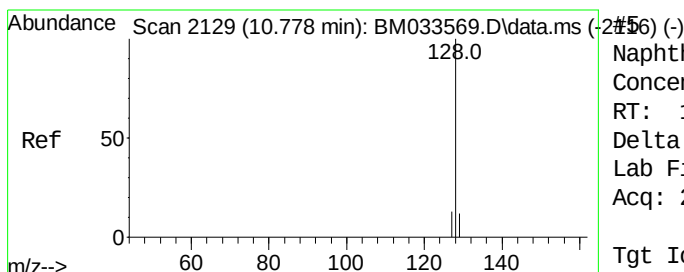
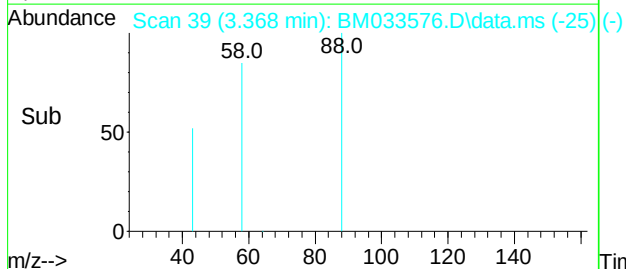
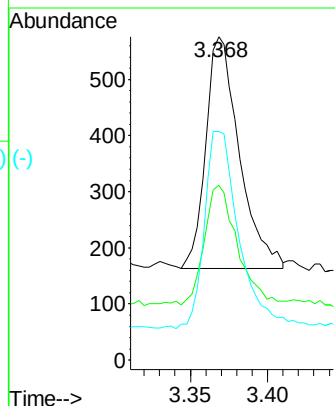
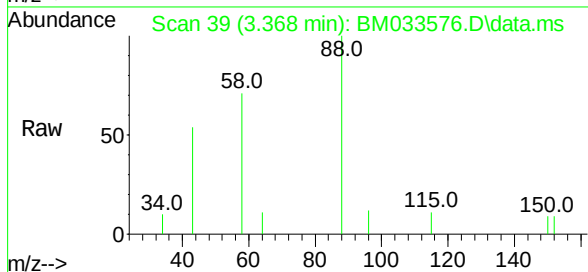




1,4-Dioxane  
Concen: 2.336 ng/ul  
RT: 3.368 min Scan# 4  
Delta R.T. -0.000 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

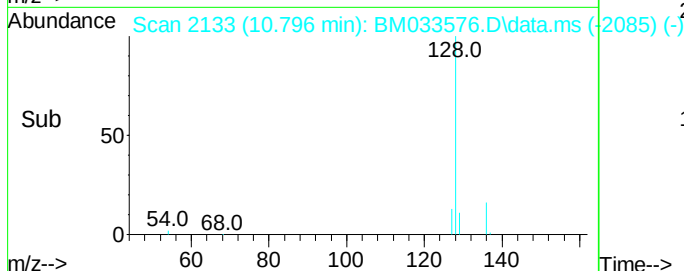
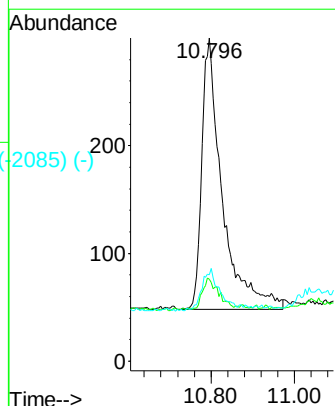
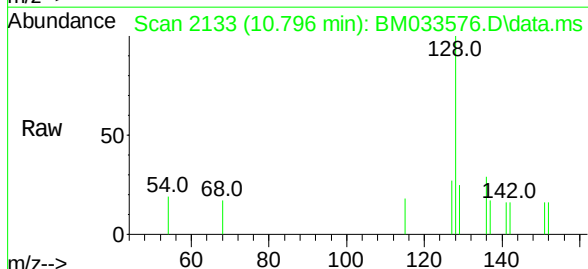
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

Tgt Ion: 88 Resp: 625  
Ion Ratio Lower Upper  
88 100  
43 54.0 49.7 74.5  
58 70.7 52.5 78.7



Naphthalene  
Concen: 0.365 ng/ul  
RT: 10.796 min Scan# 2133  
Delta R.T. 0.018 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Tgt Ion: 128 Resp: 862  
Ion Ratio Lower Upper  
128 100  
129 25.3 13.4 20.2#  
127 26.7 15.2 22.8#



Abundance Scan 2488 (12.393 min): BM033569.D\data.ms (-2477) (-)

2-Methylnaphthalene

Concen: 0.327 ng/ul

RT: 12.415 min Scan# 2493

Delta R.T. 0.022 min

Lab File: BM033576.D

Acq: 22 Dec 2021 15:03

Instrument :

BNA\_M

ClientSampleId :

SLCS312

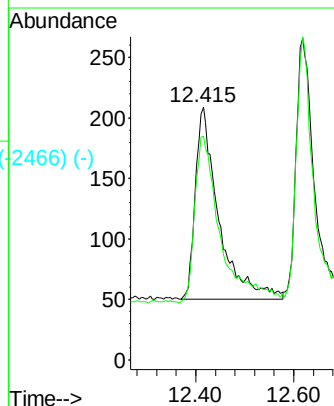
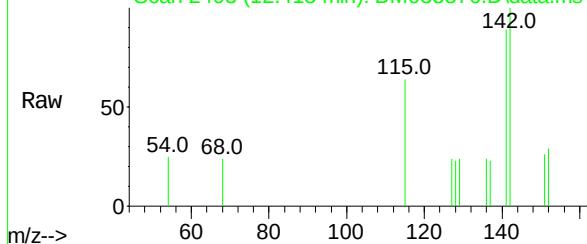
Tgt Ion:142 Resp: 526

Ion Ratio Lower Upper

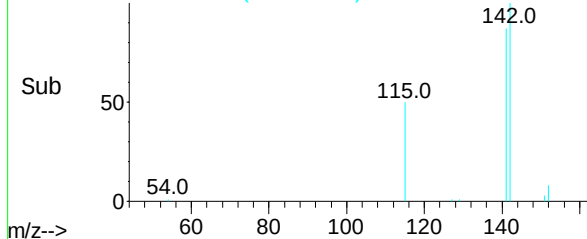
142 100

141 95.6 71.8 107.6

Abundance Scan 2493 (12.415 min): BM033576.D\data.ms



Abundance Scan 2493 (12.415 min): BM033576.D\data.ms (-2466) (-)



Abundance Scan 2536 (12.609 min): BM033569.D\data.ms (-2525) (-)

1-Methylnaphthalene

Concen: 0.344 ng/ul

RT: 12.618 min Scan# 2538

Delta R.T. 0.009 min

Lab File: BM033576.D

Acq: 22 Dec 2021 15:03

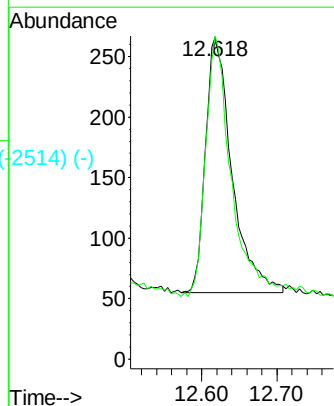
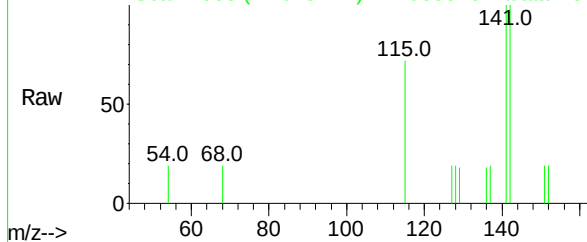
Tgt Ion:142 Resp: 517

Ion Ratio Lower Upper

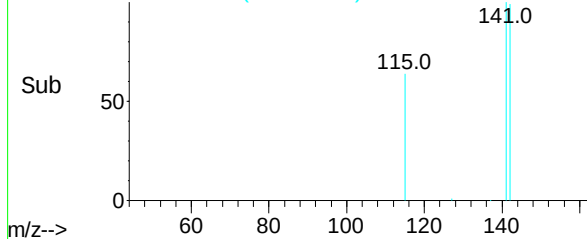
142 100

141 98.3 75.0 112.4

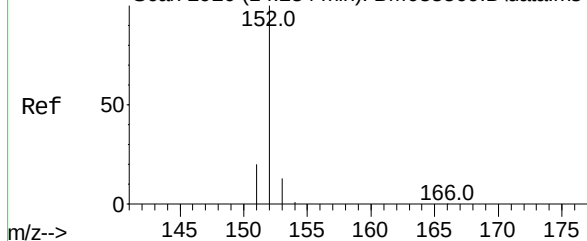
Abundance Scan 2538 (12.618 min): BM033576.D\data.ms



Abundance Scan 2538 (12.618 min): BM033576.D\data.ms (-2514) (-)



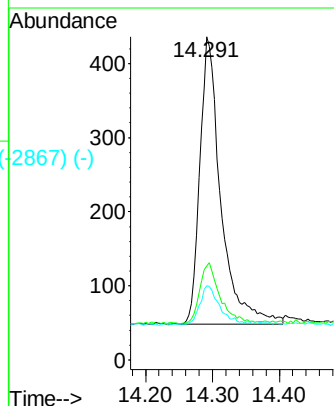
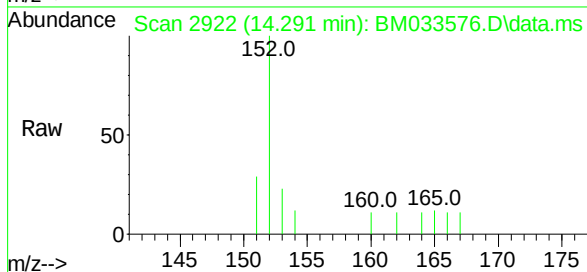
Abundance Scan 2920 (14.284 min): BM033569.D\data.ms (-3010) (-)



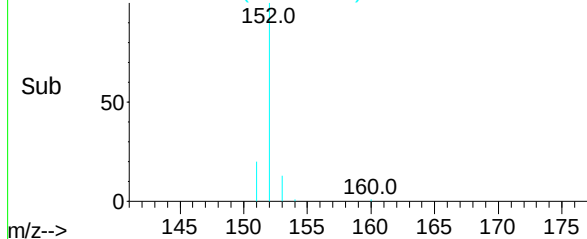
Acenaphthylene  
Concen: 0.386 ng/ul  
RT: 14.291 min Scan# 3010  
Delta R.T. 0.007 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

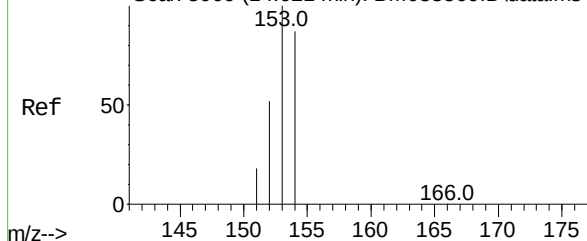
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 841   |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 29.1  | 19.9  | 29.9  |
| 153      | 22.9  | 15.0  | 22.4# |



Abundance Scan 2922 (14.291 min): BM033576.D\data.ms (-2867) (-)

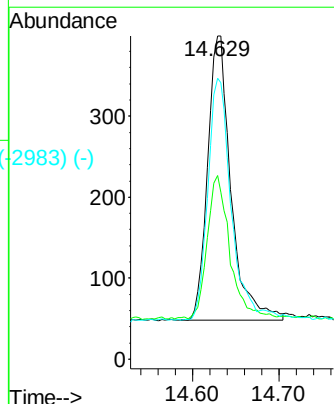
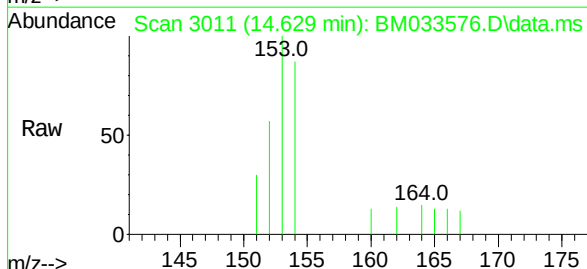


Abundance Scan 3009 (14.621 min): BM033569.D\data.ms (-3011) (-)

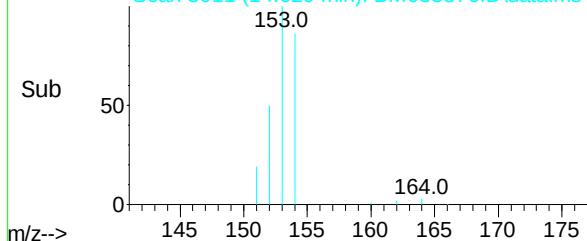


Acenaphthene  
Concen: 0.396 ng/ul  
RT: 14.629 min Scan# 3011  
Delta R.T. 0.007 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

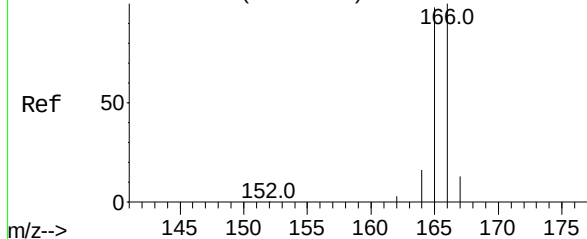
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 658   |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 56.9  | 42.4  | 63.6  |
| 154      | 87.0  | 66.2  | 99.2  |



Abundance Scan 3011 (14.629 min): BM033576.D\data.ms (-2983) (-)



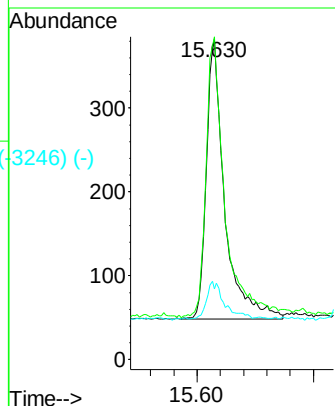
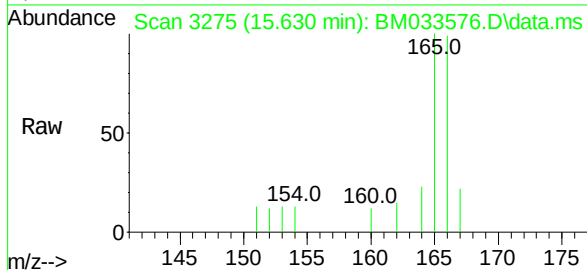
Abundance Scan 3272 (15.618 min): BM033569.D\data.ms (-3272) (-)



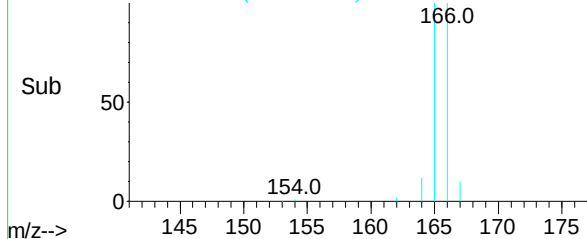
Fluorene  
Concen: 0.398 ng/ul  
RT: 15.630 min Scan# 3272  
Delta R.T. 0.011 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

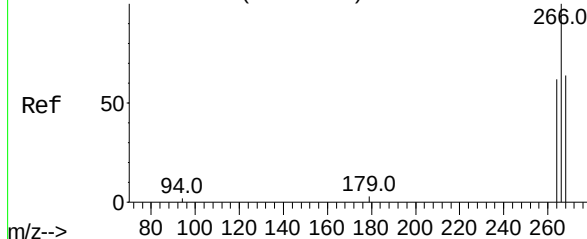
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 732   |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 100.5 | 81.1  | 121.7 |
| 167       | 21.9  | 14.9  | 22.3  |



Abundance Scan 3275 (15.630 min): BM033576.D\data.ms (-3246) (-)

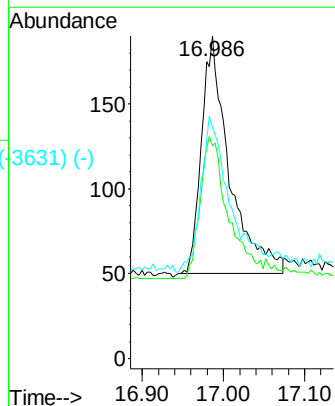
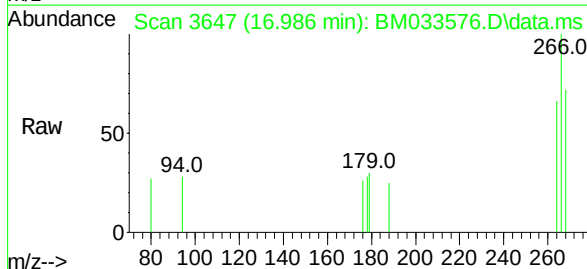


Abundance Scan 3645 (16.979 min): BM033569.D\data.ms (-3634) (-)

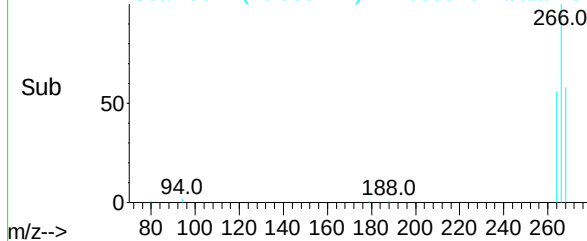


Pentachlorophenol  
Concen: 0.743 ng/ul  
RT: 16.986 min Scan# 3647  
Delta R.T. 0.007 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

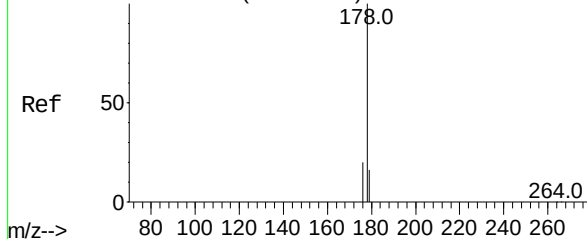
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 334  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 63.2  | 51.4  | 77.0 |
| 268       | 69.2  | 53.1  | 79.7 |



Abundance Scan 3647 (16.986 min): BM033576.D\data.ms (-3631) (-)



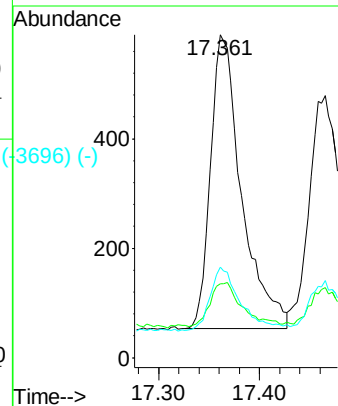
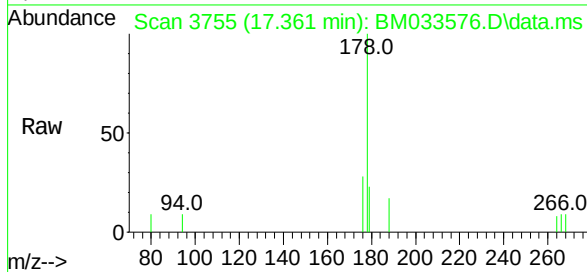
Abundance Scan 3754 (17.358 min): BM033569.D\data.ms (-3715) (-)



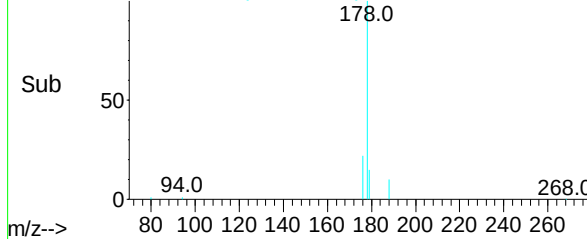
Phenanthrene  
Concen: 0.396 ng/ul  
RT: 17.361 min Scan# 3755  
Delta R.T. 0.003 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Instrument :  
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ClientSampleId :  
SLCS312

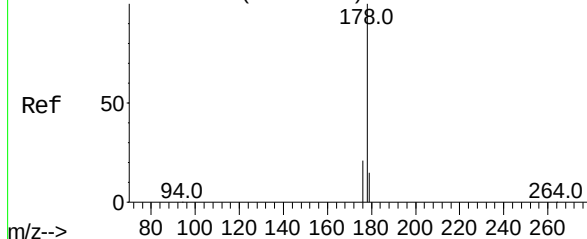
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 1151  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 22.9  | 15.0  | 22.6# |
| 176      | 28.1  | 17.9  | 26.9# |



Abundance Scan 3755 (17.361 min): BM033576.D\data.ms (-3696) (-)

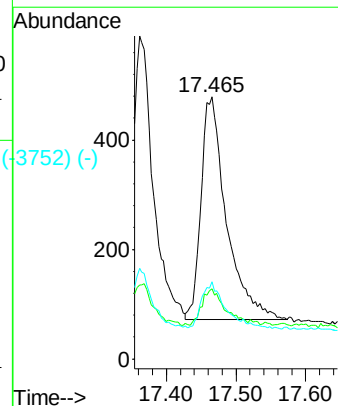
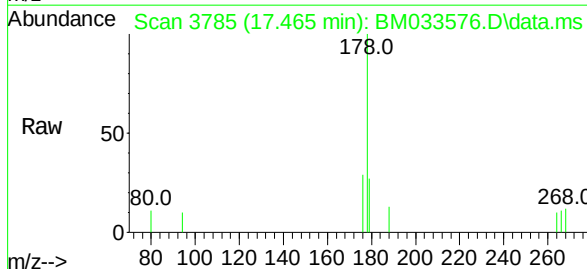


Abundance Scan 3781 (17.451 min): BM033569.D\data.ms (-3710) (-)

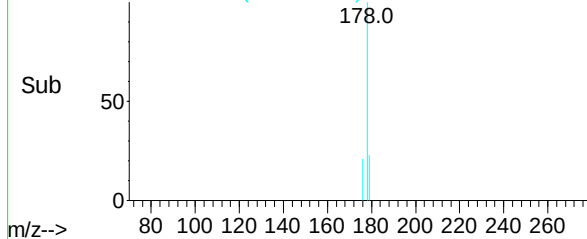


Anthracene  
Concen: 0.377 ng/ul  
RT: 17.465 min Scan# 3785  
Delta R.T. 0.014 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

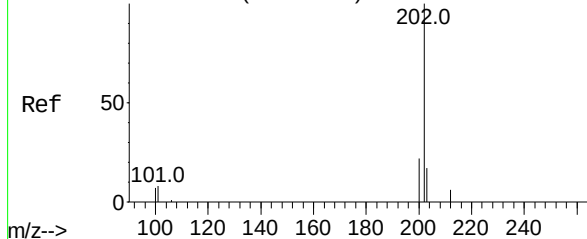
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 1028  |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 26.7  | 16.5  | 24.7# |
| 176      | 29.4  | 18.3  | 27.5# |



Abundance Scan 3785 (17.465 min): BM033576.D\data.ms (-3752) (-)



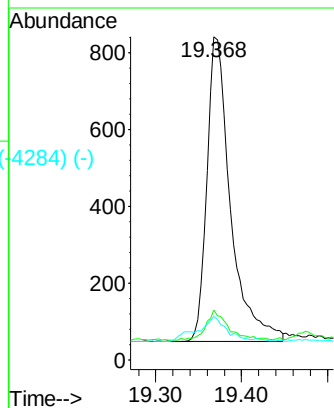
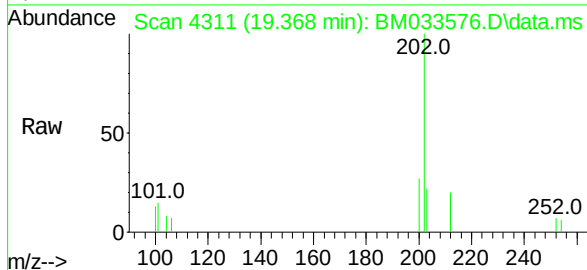
Abundance Scan 4310 (19.365 min): BM033569.D\data.ms (-4219) (-)



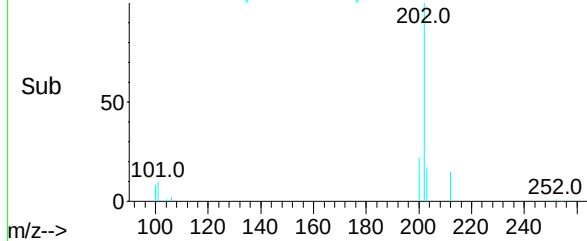
Fluoranthene  
Concen: 0.418 ng/ul  
RT: 19.368 min Scan# 419  
Delta R.T. 0.003 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

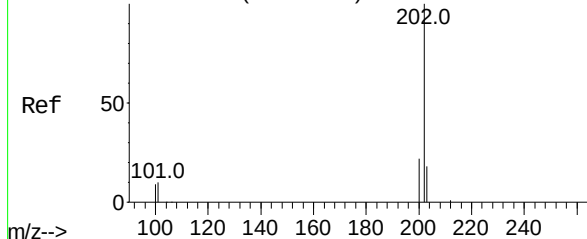
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 1501  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.5  | 9.2   | 13.8# |
| 100       | 13.4  | 7.2   | 10.8# |



Abundance Scan 4311 (19.368 min): BM033576.D\data.ms (-4284) (-)

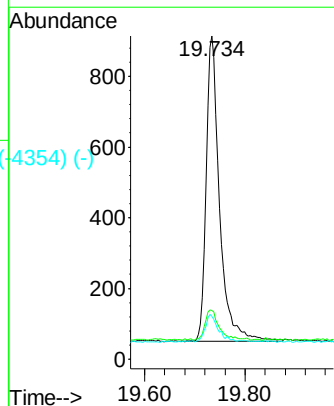
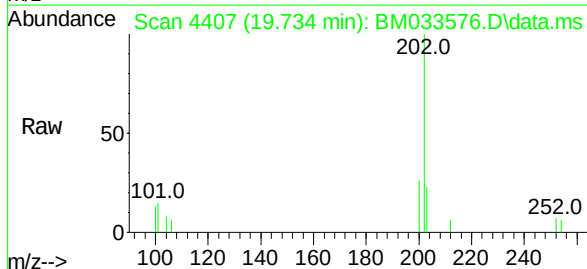


Abundance Scan 4406 (19.731 min): BM033569.D\data.ms (-4320) (-)

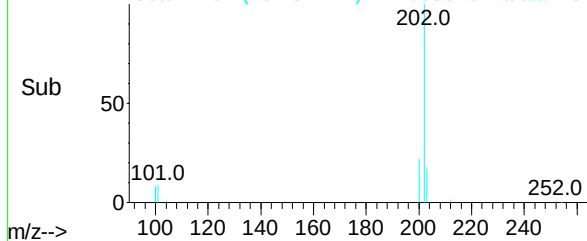


Pyrene  
Concen: 0.425 ng/ul  
RT: 19.734 min Scan# 4407  
Delta R.T. 0.003 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 1598  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.0  | 9.3   | 13.9# |
| 100       | 13.3  | 7.8   | 11.6# |

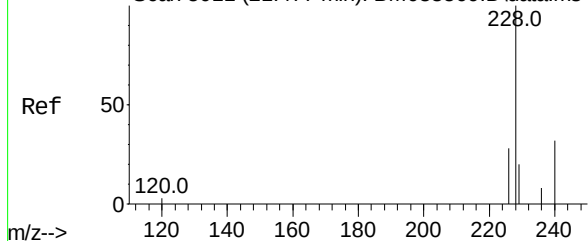


Abundance Scan 4407 (19.734 min): BM033576.D\data.ms (-4354) (-)





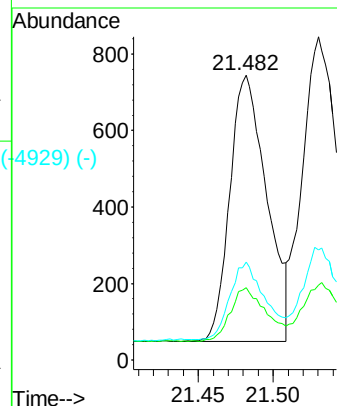
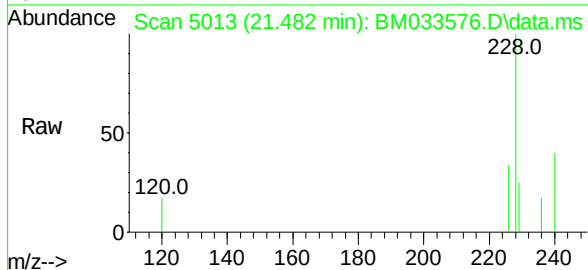
Abundance Scan 5011 (21.477 min): BM033569.D\data.ms (-4921) (-)



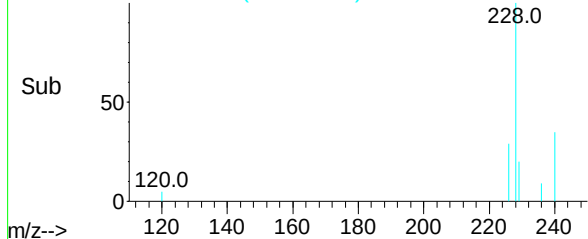
Benzo(a)anthracene  
Concen: 0.372 ng/ul  
RT: 21.482 min Scan# 4921  
Delta R.T. 0.004 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

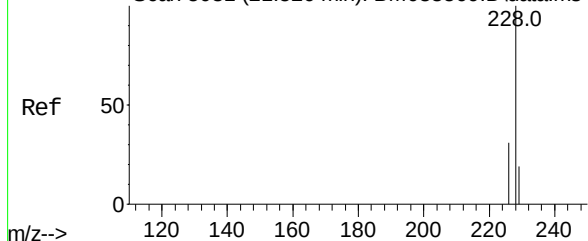
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 1196  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 25.4  | 17.3  | 25.9  |
| 226      | 34.4  | 23.2  | 34.8  |



Abundance Scan 5013 (21.482 min): BM033576.D\data.ms (-4929) (-)

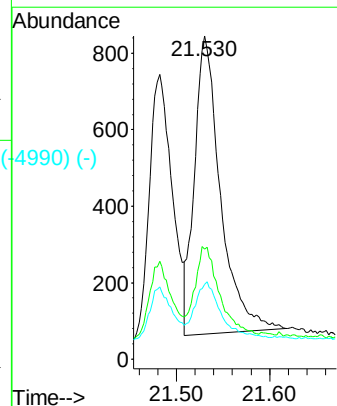
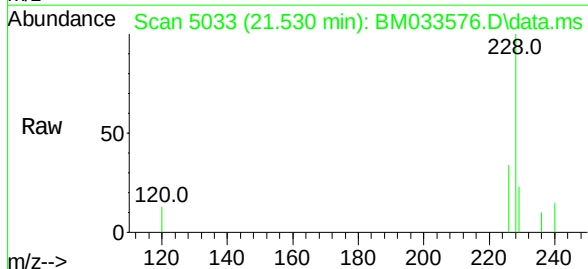


Abundance Scan 5031 (21.526 min): BM033569.D\data.ms (-5022) (-)

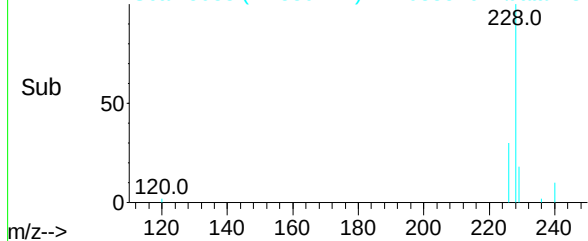


Chrysene  
Concen: 0.413 ng/ul  
RT: 21.530 min Scan# 5033  
Delta R.T. 0.004 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 1499  |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 34.1  | 25.8  | 38.8  |
| 229      | 23.2  | 16.7  | 25.1  |



Abundance Scan 5033 (21.530 min): BM033576.D\data.ms (-4990) (-)



Abundance Scan 5704 (23.156 min): BM033569.D\data.ms (-5624) (-)

Benzo(b)fluoranthene

Concen: 0.400 ng/ul

RT: 23.160 min Scan# 5704

Delta R.T. 0.004 min

Lab File: BM033576.D

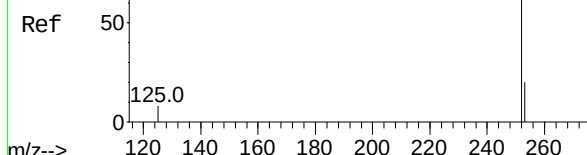
Acq: 22 Dec 2021 15:03

Instrument :

BNA\_M

ClientSampleId :

SLCS312



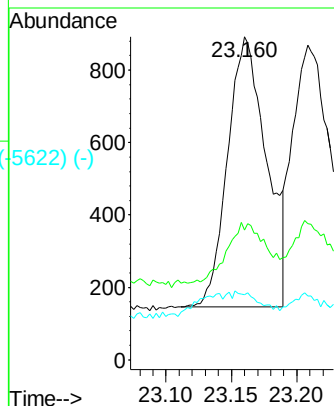
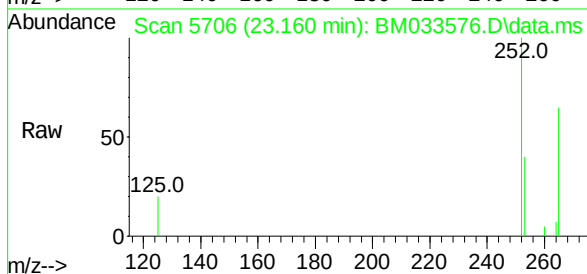
Tgt Ion:252 Resp: 1542

Ion Ratio Lower Upper

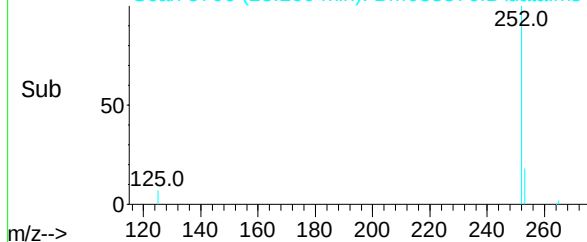
252 100

253 40.1 0.0 64.2

125 20.2 0.0 28.8



Abundance Scan 5706 (23.160 min): BM033576.D\data.ms (-5622) (-)



Abundance Scan 5725 (23.207 min): BM033569.D\data.ms (-5725) (-)

Benzo(k)fluoranthene

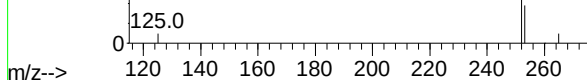
Concen: 0.419 ng/ul

RT: 23.209 min Scan# 5726

Delta R.T. 0.002 min

Lab File: BM033576.D

Acq: 22 Dec 2021 15:03



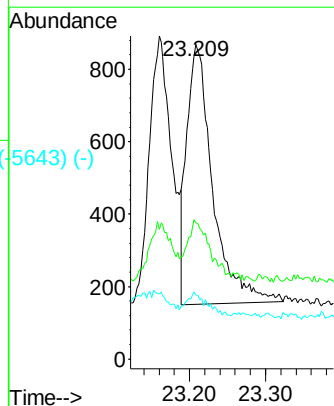
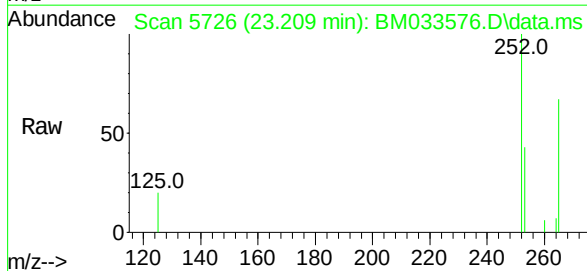
Tgt Ion:252 Resp: 1698

Ion Ratio Lower Upper

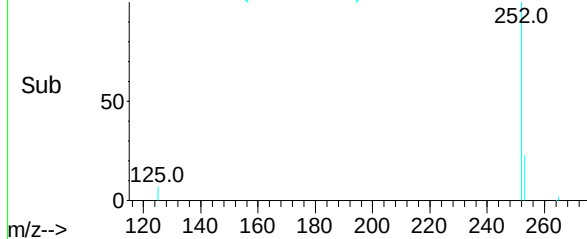
252 100

253 43.3 26.8 40.2#

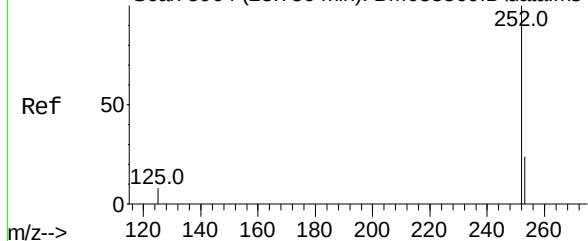
125 20.3 12.0 18.0#



Abundance Scan 5726 (23.209 min): BM033576.D\data.ms (-5643) (-)



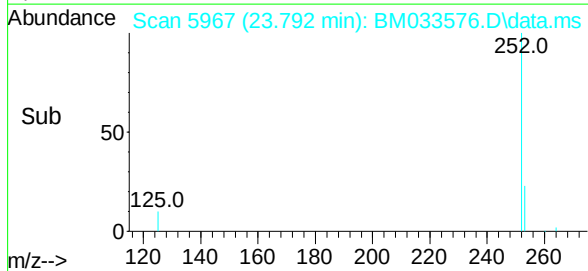
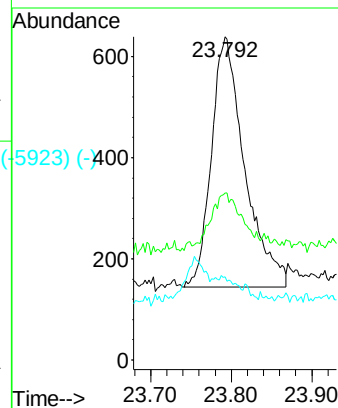
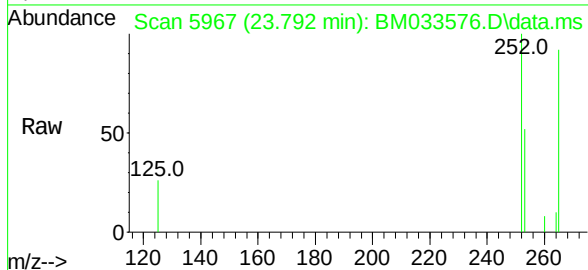
Abundance Scan 5964 (23.786 min): BM033569.D\data.ms (-5926) (-)



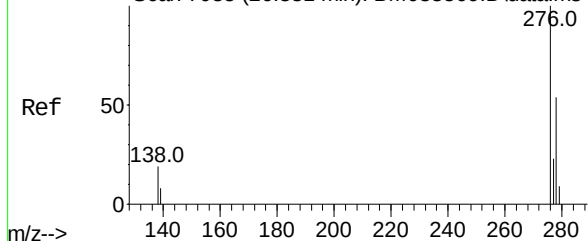
Benzo(a)pyrene  
Concen: 0.398 ng/ul  
RT: 23.792 min Scan# 5926  
Delta R.T. 0.007 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 51.6  | 32.0  | 48.0# |
| 125     | 25.7  | 14.5  | 21.7# |

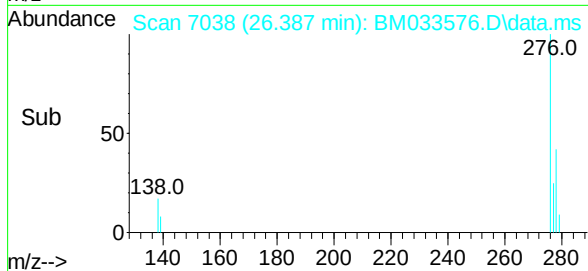
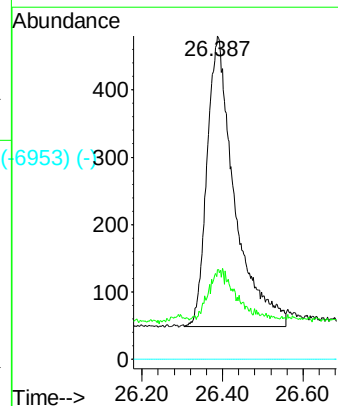
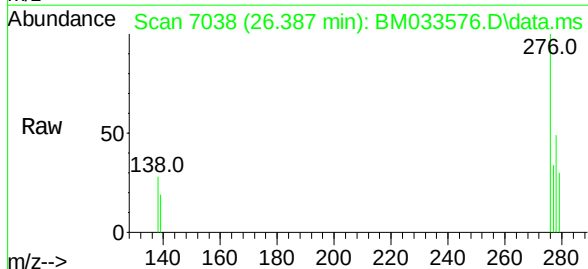


Abundance Scan 7035 (26.381 min): BM033569.D\data.ms (-7007) (-)



Indeno(1,2,3-cd)pyrene  
Concen: 0.413 ng/ul  
RT: 26.387 min Scan# 7038  
Delta R.T. 0.007 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

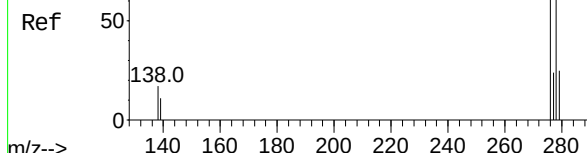
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 16.0  | 15.8  | 23.6  |
| 227     | 0.0   | 0.0   | 0.0   |



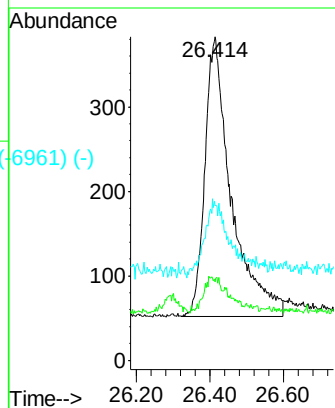
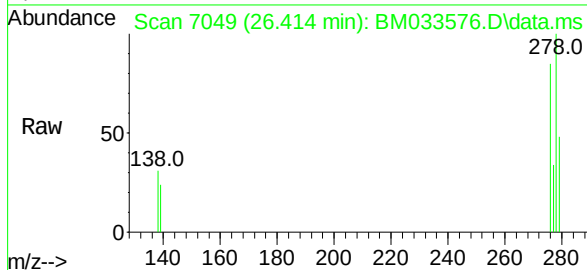
Abundance Scan 7043 (26.400 min): BM033569.D\data.ms (-7028) (-)

Dibenzo(a,h)anthracene  
Concen: 0.415 ng/ul  
RT: 26.414 min Scan#  
Delta R.T. 0.014 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

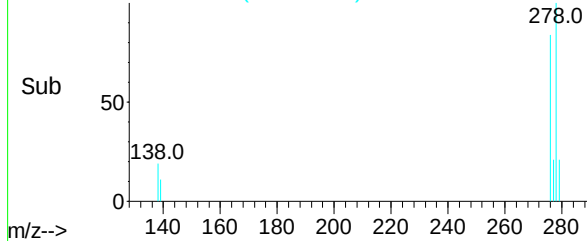
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS312



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 1649  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 24.3  | 18.0  | 27.0  |
| 279       | 47.8  | 28.6  | 42.8# |



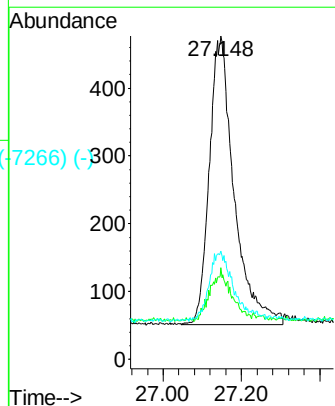
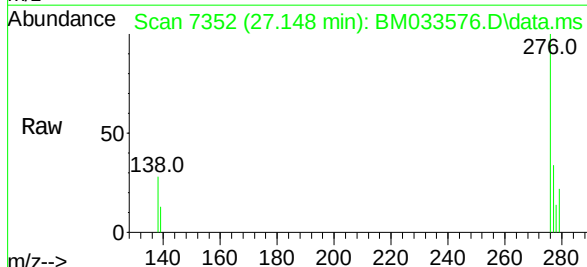
Abundance Scan 7049 (26.414 min): BM033576.D\data.ms (-6961) (-)



Abundance Scan 7348 (27.139 min): BM033569.D\data.ms (-7329) (-)

Benzo(g,h,i)perylene  
Concen: 0.428 ng/ul  
RT: 27.148 min Scan# 7352  
Delta R.T. 0.009 min  
Lab File: BM033576.D  
Acq: 22 Dec 2021 15:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 1871  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 28.3  | 17.4  | 26.0# |
| 277       | 33.5  | 22.6  | 33.8  |



Abundance Scan 7352 (27.148 min): BM033576.D\data.ms (-7266) (-)

