

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121621\  
 Data File : BN018115.D  
 Acq On : 18 Dec 2021 00:21  
 Operator : CG/JU  
 Sample : PB141372BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS372

Quant Time: Dec 18 02:31:05 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN121621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 15 17:47:27 2021  
 Response via : Initial Calibration

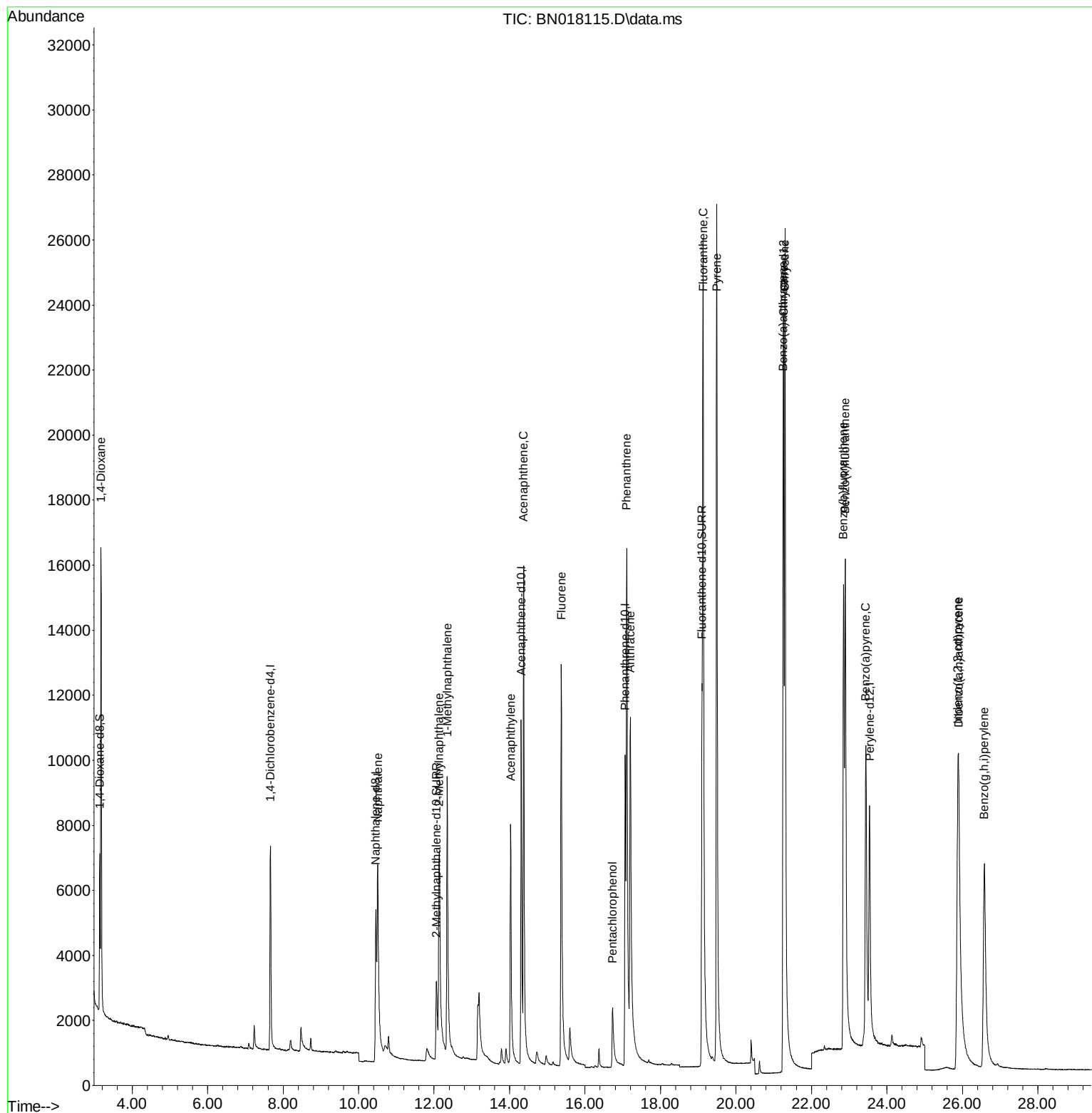
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.662  | 152  | 3818     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.458 | 136  | 11783    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.308 | 164  | 7625     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.066 | 188  | 15735    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.263 | 240  | 15463    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.540 | 264  | 11749    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.139  | 96   | 2983     | 0.753 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.059 | 152  | 5612     | 0.409 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.100 | 212  | 20991    | 0.476 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.172  | 88   | 9188     | 1.974 | ng/ul# | 45       |
| 5) Naphthalene              | 10.508 | 128  | 13134    | 0.407 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.136 | 142  | 7742     | 0.427 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.350 | 142  | 8474     | 0.402 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.031 | 152  | 12853    | 0.416 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.373 | 153  | 11329    | 0.412 | ng/ul  | 98       |
| 12) Fluorene                | 15.372 | 166  | 13015    | 0.430 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.732 | 266  | 2513     | 0.912 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.108 | 178  | 23188    | 0.425 | ng/ul  | 99       |
| 16) Anthracene              | 17.201 | 178  | 18908    | 0.440 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.128 | 202  | 30977    | 0.497 | ng/ul  | 97       |
| 20) Pyrene                  | 19.491 | 202  | 33802    | 0.485 | ng/ul# | 93       |
| 21) Benzo(a)anthracene      | 21.249 | 228  | 21977    | 0.478 | ng/ul  | 99       |
| 22) Chrysene                | 21.298 | 228  | 30864    | 0.467 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.850 | 252  | 24315    | 0.518 | ng/ul  | 85       |
| 25) Benzo(k)fluoranthene    | 22.897 | 252  | 29235    | 0.467 | ng/ul# | 83       |
| 26) Benzo(a)pyrene          | 23.440 | 252  | 21715    | 0.479 | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.880 | 276  | 23886    | 0.468 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.904 | 278  | 17536    | 0.470 | ng/ul# | 84       |
| 29) Benzo(g,h,i)perylene    | 26.581 | 276  | 20598    | 0.470 | ng/ul# | 88       |
| -----                       |        |      |          |       |        |          |

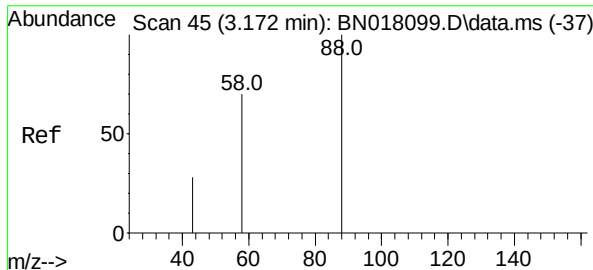
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121621\  
Data File : BN018115.D  
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Sample : PB141372BS  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
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Quant Time: Dec 18 02:31:05 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN121621.M  
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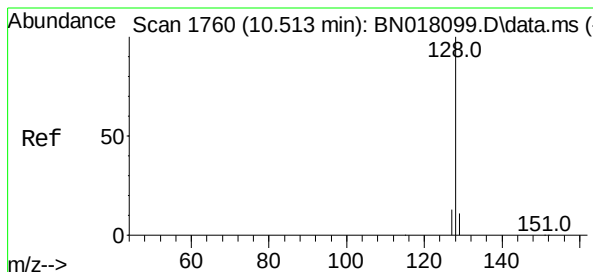
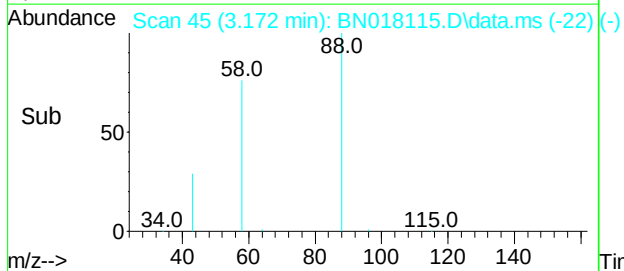
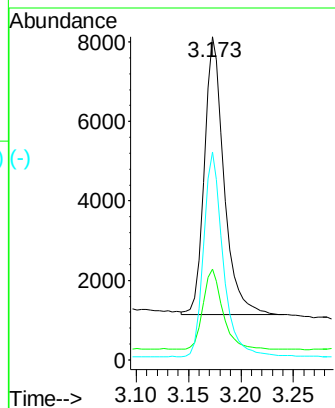
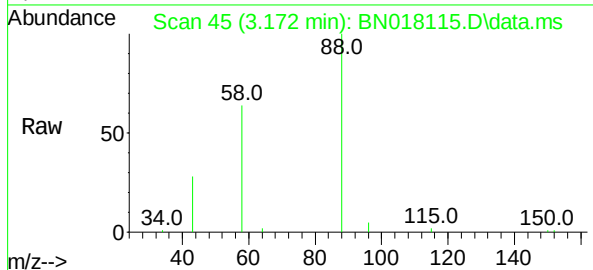




1,4-Dioxane  
Concen: 1.974 ng/ul  
RT: 3.172 min Scan# 4  
Delta R.T. -0.004 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

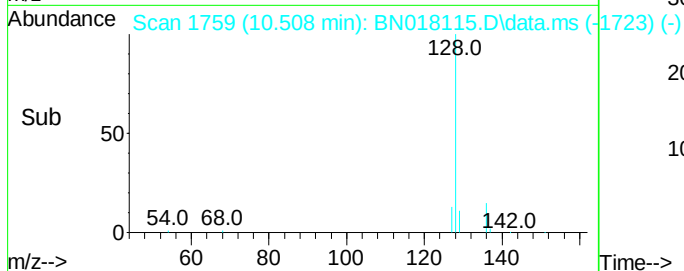
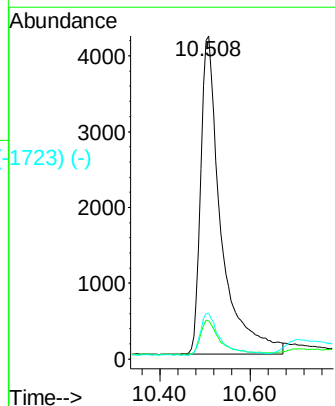
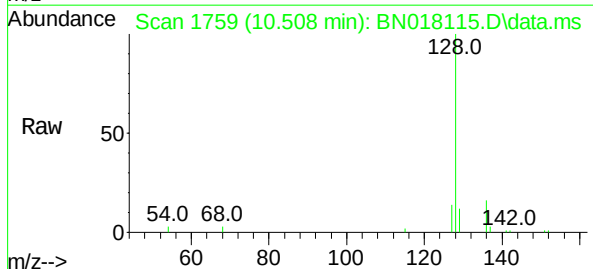
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

Tgt Ion: 88 Resp: 9188  
Ion Ratio Lower Upper  
88 100  
43 28.1 85.8 128.6#  
58 64.4 43.4 65.0

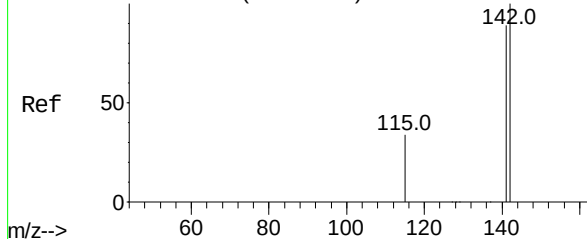


Naphthalene  
Concen: 0.407 ng/ul  
RT: 10.508 min Scan# 1759  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

Tgt Ion: 128 Resp: 13134  
Ion Ratio Lower Upper  
128 100  
129 11.9 10.4 15.6  
127 14.1 11.8 17.6



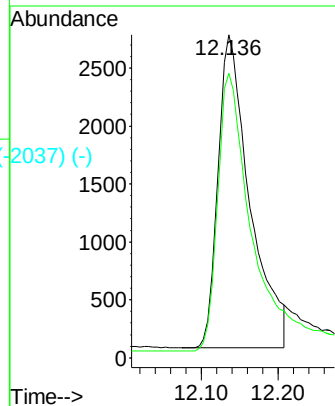
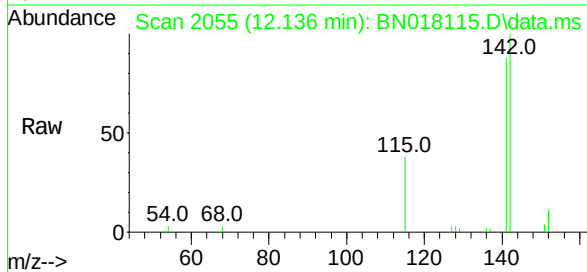
Abundance Scan 2056 (12.141 min): BN018099.D\data.ms (-2076) (-)



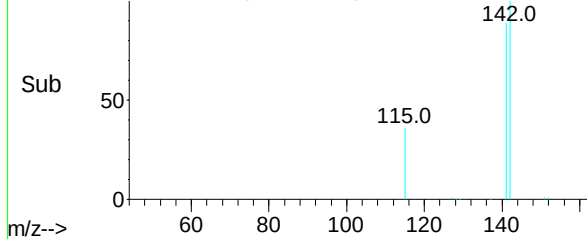
2-Methylnaphthalene  
Concen: 0.427 ng/ul  
RT: 12.136 min Scan# 2056  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

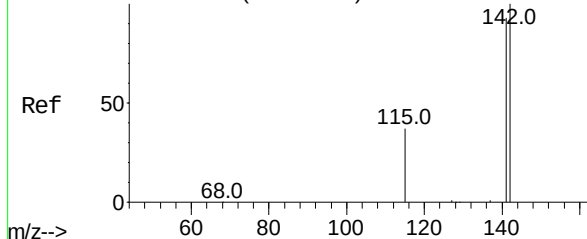
Tgt Ion:142 Resp: 7742  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.5 107.3



Abundance Scan 2055 (12.136 min): BN018115.D\data.ms (-2037) (-)

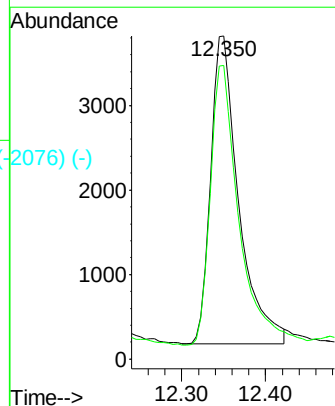
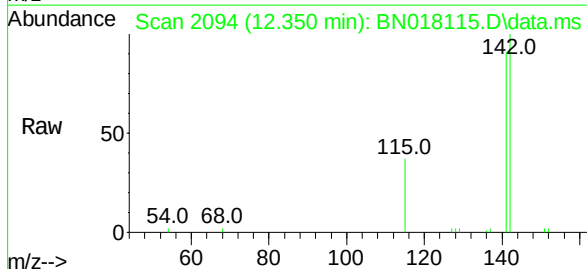


Abundance Scan 2094 (12.350 min): BN018099.D\data.ms (-2087) (-)

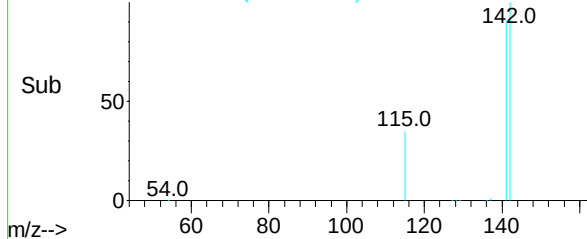


1-Methylnaphthalene  
Concen: 0.402 ng/ul  
RT: 12.350 min Scan# 2094  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

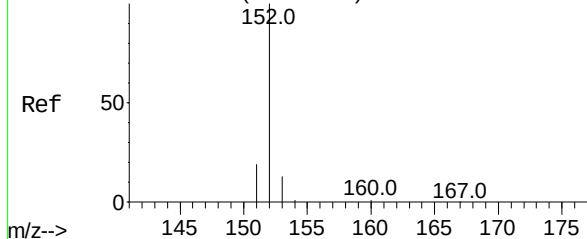
Tgt Ion:142 Resp: 8474  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.3 109.9



Abundance Scan 2094 (12.350 min): BN018115.D\data.ms (-2076) (-)



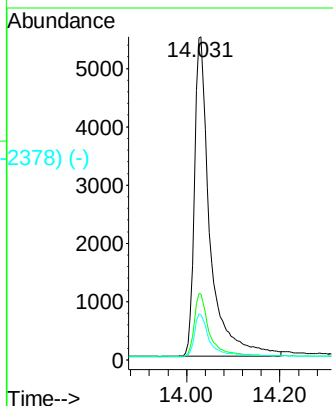
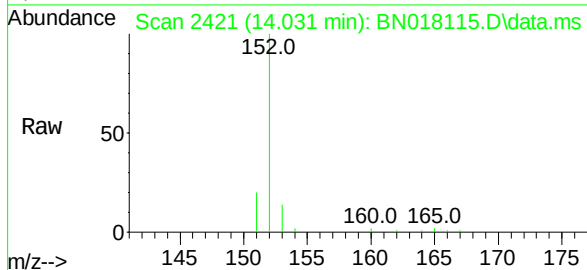
Abundance Scan 2422 (14.035 min): BN018099.D\data.ms (-2410) (-)



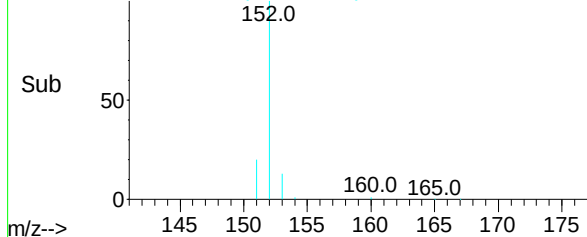
Acenaphthylene  
Concen: 0.416 ng/ul  
RT: 14.031 min Scan# 2410  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

Instrument :  
BNA\_N  
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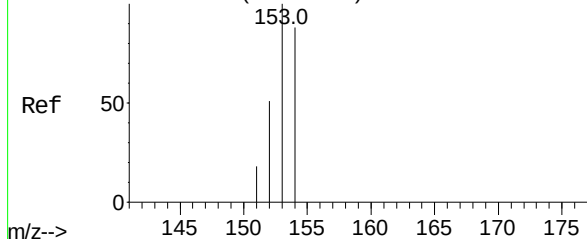
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 12853 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 20.4  | 16.4  | 24.6  |
| 153      | 14.1  | 11.1  | 16.7  |



Abundance Scan 2421 (14.031 min): BN018115.D\data.ms (-2378) (-)

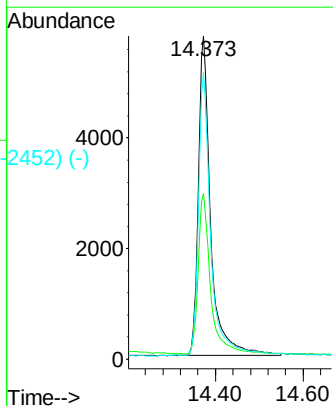
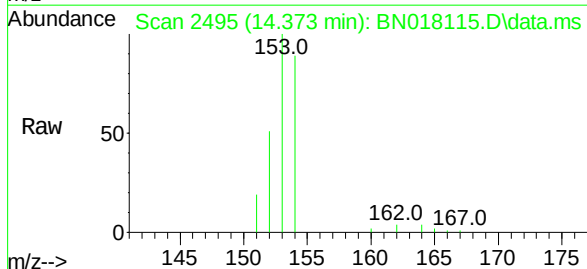


Abundance Scan 2496 (14.378 min): BN018099.D\data.ms (-2415) (-)

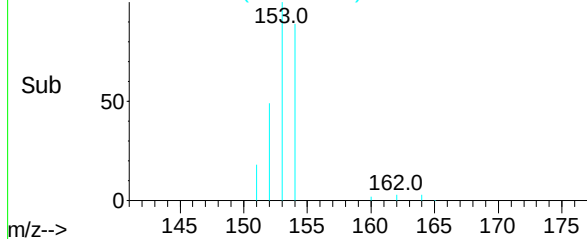


Acenaphthene  
Concen: 0.412 ng/ul  
RT: 14.373 min Scan# 2495  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 11329 |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 51.3  | 38.3  | 57.5  |
| 154      | 88.6  | 71.1  | 106.7 |



Abundance Scan 2495 (14.373 min): BN018115.D\data.ms (-2452) (-)



Abundance Scan 2712 (15.377 min): BN018099.D\data.ms (-2712) (-)

Fluorene

Concen: 0.430 ng/ul

RT: 15.372 min Scan# 2711

Delta R.T. -0.001 min

Lab File: BN018115.D

Acq: 18 Dec 2021 00:21

Instrument :

BNA\_N

ClientSampleId :

SLCS372

Tgt Ion:166 Resp: 13015

Ion Ratio Lower Upper

166 100

165 97.9 79.2 118.8

167 14.2 11.2 16.8

Abundance Scan 2711 (15.372 min): BN018115.D\data.ms

Ref 50

154.0 160.0 166.0

m/z--> 145 150 155 160 165 170 175

Raw 50

154.0 160.0 166.0

m/z--> 145 150 155 160 165 170 175

Abundance Scan 2711 (15.372 min): BN018115.D\data.ms (-2690) (-)

Sub 50

151.0 166.0

m/z--> 145 150 155 160 165 170 175

Abundance

15.372

5000

4000

3000

2000

1000

0

Time--> 15.40

Abundance Scan 3024 (16.749 min): BN018099.D\data.ms (-3011) (-)

Pentachlorophenol

Concen: 0.912 ng/ul

RT: 16.732 min Scan# 3020

Delta R.T. -0.023 min

Lab File: BN018115.D

Acq: 18 Dec 2021 00:21

Tgt Ion:266 Resp: 2513

Ion Ratio Lower Upper

266 100

264 63.6 50.3 75.5

268 64.8 52.2 78.4

Abundance Scan 3020 (16.732 min): BN018115.D\data.ms

Ref 50

80.0 179.0 266.0

m/z--> 80 100 120 140 160 180 200 220 240 260

Raw 50

94.0 178.0 266.0

m/z--> 80 100 120 140 160 180 200 220 240 260

Abundance Scan 3020 (16.732 min): BN018115.D\data.ms (-3002) (-)

Sub 50

94.0 179.0 266.0

m/z--> 80 100 120 140 160 180 200 220 240 260

Abundance

16.732

800

600

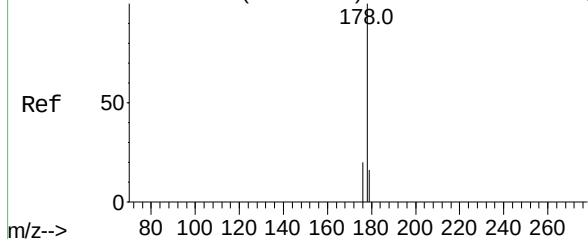
400

200

0

Time--> 16.70 16.80

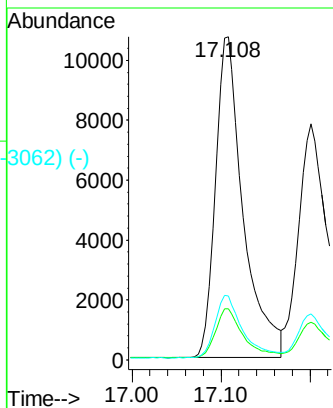
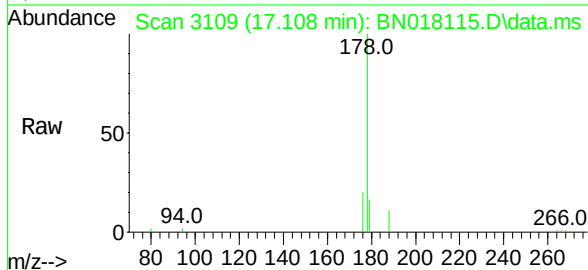
Abundance Scan 3110 (17.112 min): BN018099.D\data.ms (-3096) (-)



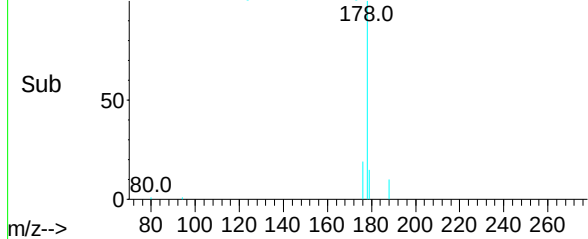
Phenanthrene  
Concen: 0.425 ng/ul  
RT: 17.108 min Scan# 3109  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

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ClientSampleId :  
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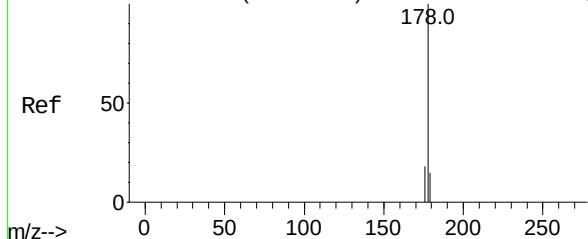
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 23188 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.8  | 13.0  | 19.4  |
| 176      | 19.7  | 15.6  | 23.4  |



Abundance Scan 3109 (17.108 min): BN018115.D\data.ms (-3062) (-)

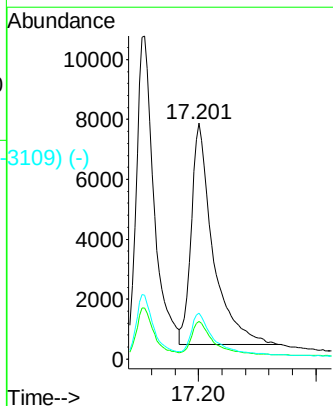
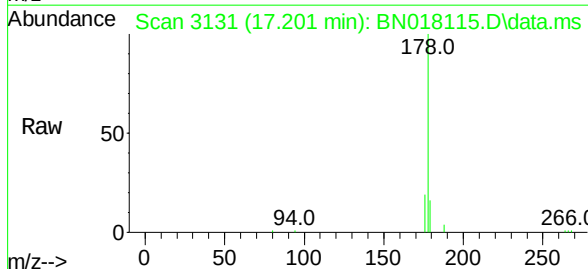


Abundance Scan 3133 (17.209 min): BN018099.D\data.ms (-3125) (-)

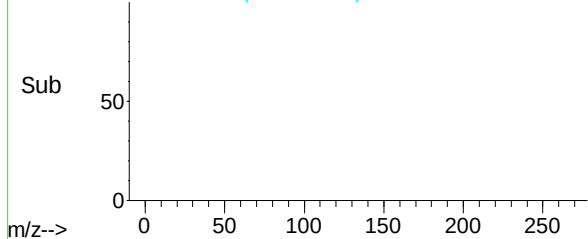


Anthracene  
Concen: 0.440 ng/ul  
RT: 17.201 min Scan# 3131  
Delta R.T. -0.006 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

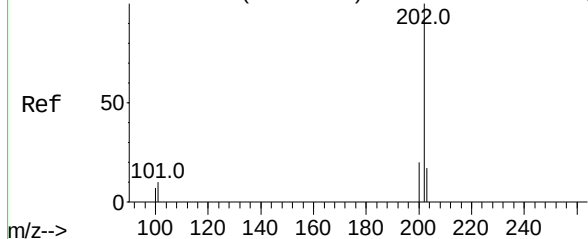
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 18908 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.9  | 13.3  | 19.9  |
| 176      | 19.4  | 15.1  | 22.7  |



Abundance Scan 3131 (17.201 min): BN018115.D\data.ms (-3109) (-)



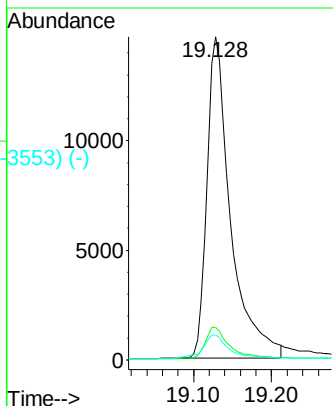
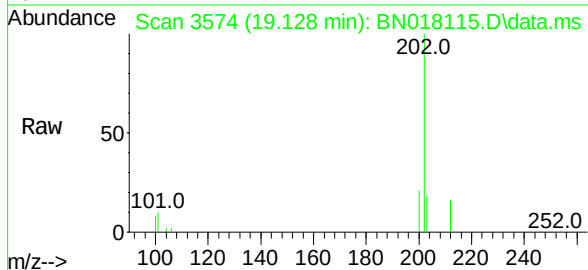
Abundance Scan 3575 (19.133 min): BN018099.D\data.ms (-3553) (-)



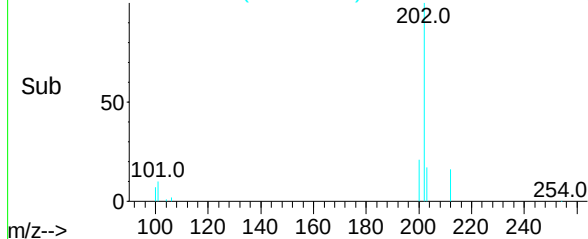
Fluoranthene  
Concen: 0.497 ng/ul  
RT: 19.128 min Scan# 3574  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

Instrument :  
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ClientSampleId :  
SLCS372

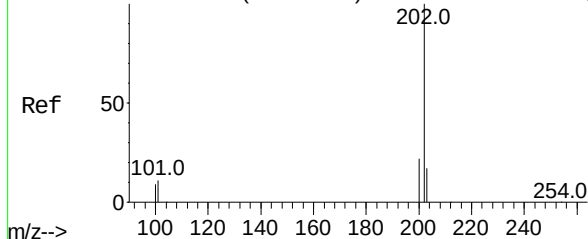
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 30977 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.1  | 9.0   | 13.4  |
| 100       | 7.6   | 6.8   | 10.2  |



Abundance Scan 3574 (19.128 min): BN018115.D\data.ms (-3553) (-)

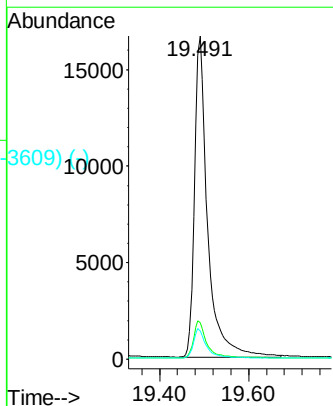
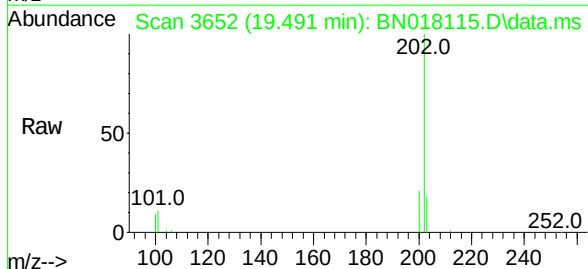


Abundance Scan 3653 (19.495 min): BN018099.D\data.ms (-3629) (-)

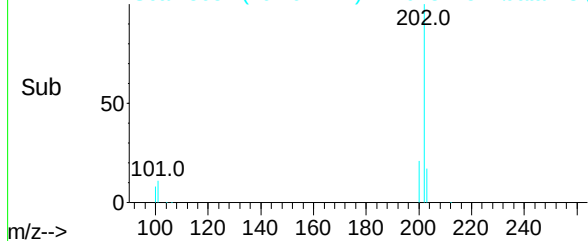


Pyrene  
Concen: 0.485 ng/ul  
RT: 19.491 min Scan# 3652  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

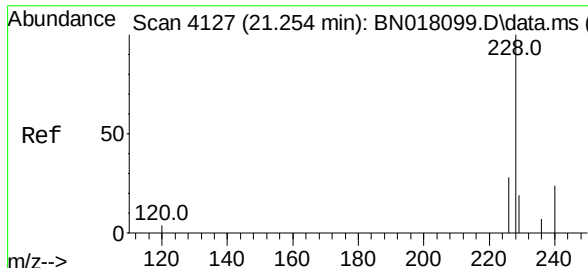
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 33802 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.3  | 11.4  | 17.2# |
| 100       | 8.8   | 9.4   | 14.0# |



Abundance Scan 3652 (19.491 min): BN018115.D\data.ms (-3609) (-)



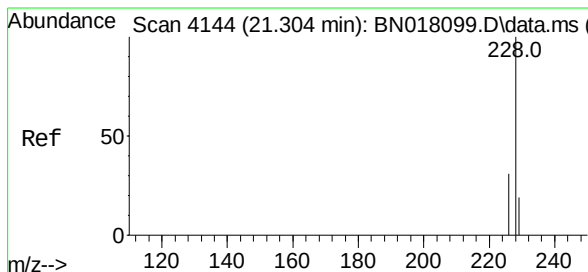
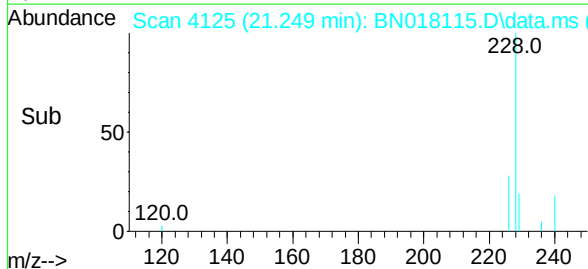
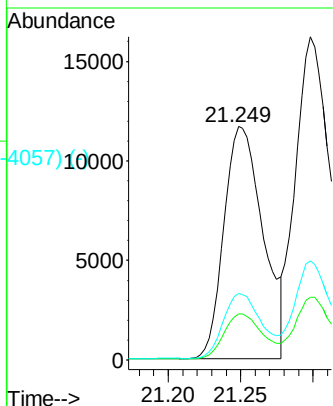
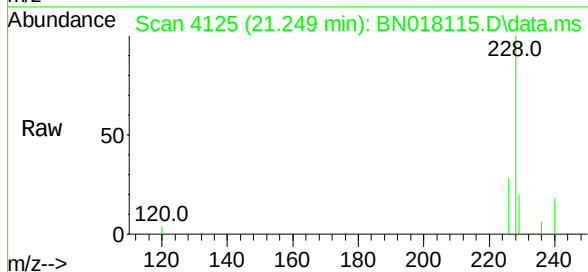




Scan 4127 (21.254 min): BN018099.D\data.ms (-4123) (-)  
 Benzo(a)anthracene  
 Concen: 0.478 ng/ul  
 RT: 21.249 min Scan# 4123  
 Delta R.T. -0.001 min  
 Lab File: BN018115.D  
 Acq: 18 Dec 2021 00:21

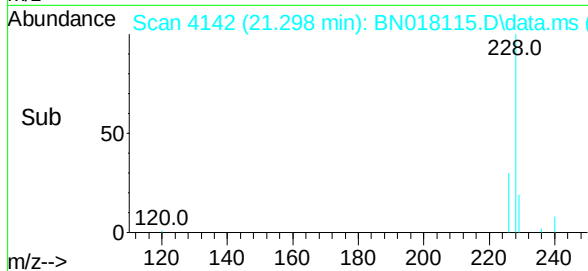
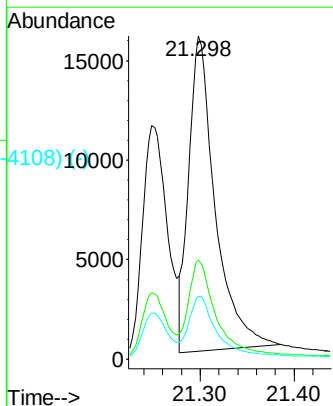
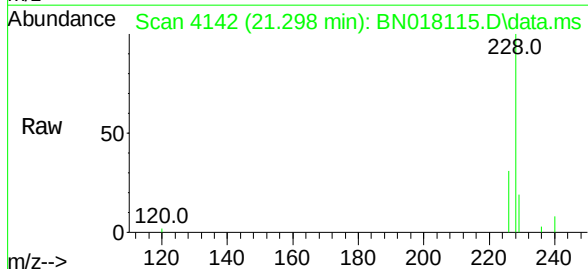
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS372

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 21977 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 19.7  | 15.8  | 23.6  |
| 226      | 28.4  | 21.8  | 32.8  |



Scan 4144 (21.304 min): BN018099.D\data.ms (-4122) (-)  
 Chrysene  
 Concen: 0.467 ng/ul  
 RT: 21.298 min Scan# 4142  
 Delta R.T. -0.001 min  
 Lab File: BN018115.D  
 Acq: 18 Dec 2021 00:21

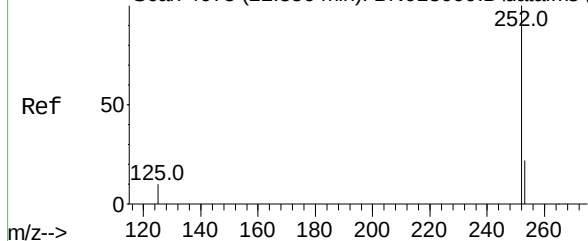
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 30864 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 30.7  | 23.9  | 35.9  |
| 229      | 19.4  | 15.7  | 23.5  |



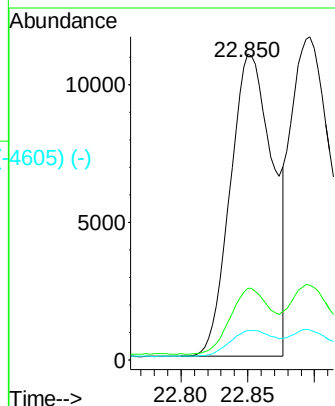
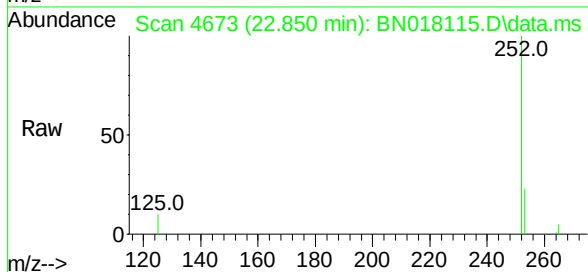
Abundance Scan 4675 (22.856 min): BN018099.D\data.ms (-4625) (-)

Benzo(b)fluoranthene  
Concen: 0.518 ng/ul  
RT: 22.850 min Scan# 4625  
Delta R.T. -0.001 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

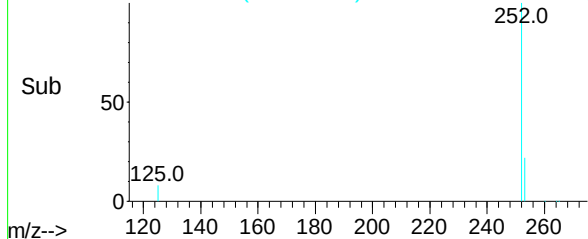
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 24315 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.4  | 0.0   | 57.6  |
| 125       | 9.6   | 0.0   | 39.0  |



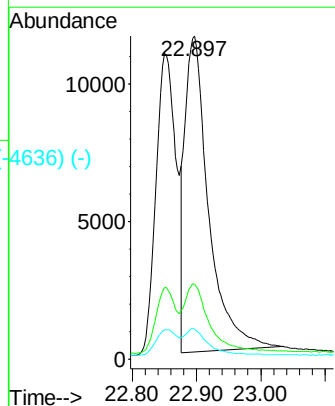
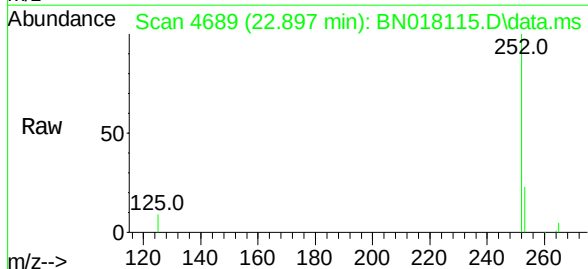
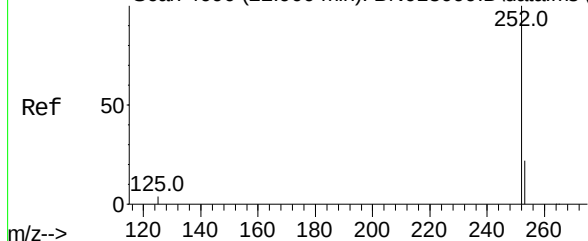
Abundance Scan 4673 (22.850 min): BN018115.D\data.ms (-4605) (-)



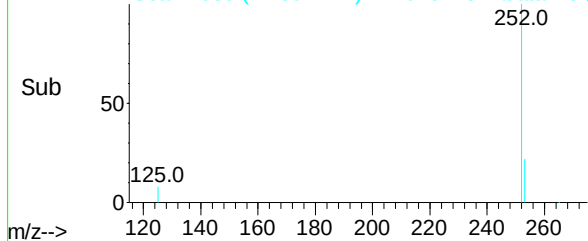
Abundance Scan 4690 (22.900 min): BN018099.D\data.ms (-4625) (-)

Benzo(k)fluoranthene  
Concen: 0.467 ng/ul  
RT: 22.897 min Scan# 4689  
Delta R.T. 0.004 min  
Lab File: BN018115.D  
Acq: 18 Dec 2021 00:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 29235 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.2  | 23.1  | 34.7  |
| 125       | 9.3   | 17.1  | 25.7# |



Abundance Scan 4689 (22.897 min): BN018115.D\data.ms (-4636) (-)



Abundance Scan 4878 (23.449 min): BN018099.D\data.ms (-4829) (-)

Benzo(a)pyrene

Concen: 0.479 ng/ul

RT: 23.440 min Scan# 4829

Delta R.T. 0.002 min

Lab File: BN018115.D

Acq: 18 Dec 2021 00:21

Instrument :

BN018115.D

ClientSampleId :

SLCS372

Tgt Ion:252 Resp: 21715

Ion Ratio Lower Upper

252 100

253 24.5 25.0 37.4#

125 12.1 19.3 28.9#

Abundance Scan 4875 (23.440 min): BN018115.D\data.ms

Ref 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4875 (23.440 min): BN018115.D\data.ms

Raw 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance Scan 4875 (23.440 min): BN018115.D\data.ms (-4840) (-)

Sub 50

125.0

252.0

m/z-->

120 140 160 180 200 220 240 260

Abundance

23.440

6000

4000

2000

0

Time-->

23.40 23.60

Abundance Scan 5672 (25.883 min): BN018099.D\data.ms (-5627) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.468 ng/ul

RT: 25.880 min Scan# 5671

Delta R.T. 0.005 min

Lab File: BN018115.D

Acq: 18 Dec 2021 00:21

Tgt Ion:276 Resp: 23886

Ion Ratio Lower Upper

276 100

138 21.4 0.1 0.1#

227 0.1 0.0 0.0#

Abundance Scan 5671 (25.880 min): BN018115.D\data.ms

Ref 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5671 (25.880 min): BN018115.D\data.ms

Raw 50

138.0

227.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance Scan 5671 (25.880 min): BN018115.D\data.ms (-5610) (-)

Sub 50

138.0

276.0

m/z-->

140 160 180 200 220 240 260 280

Abundance

25.880

4000

3000

2000

1000

0

Time-->

25.80 26.00

Abundance Scan 5679 (25.907 min): BN018099.D\data.ms (-5629) (-)

Dibenzo(a,h)anthracene

Concen: 0.470 ng/ul

RT: 25.904 min Scan# 5629

Delta R.T. 0.005 min

Lab File: BN018115.D

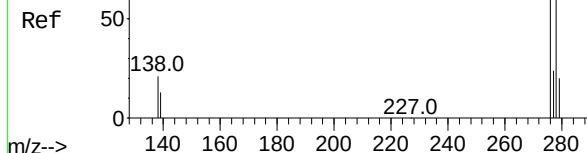
Acq: 18 Dec 2021 00:21

Instrument :

BN018115.D

ClientSampleId :

SLCS372



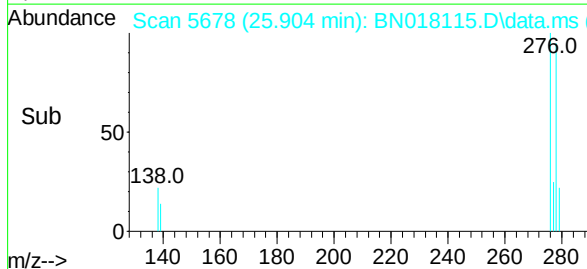
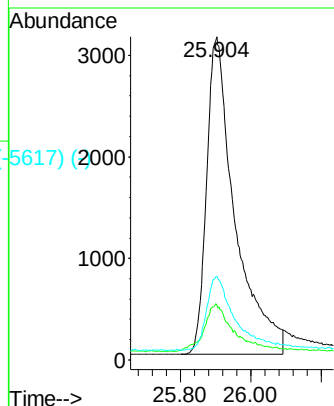
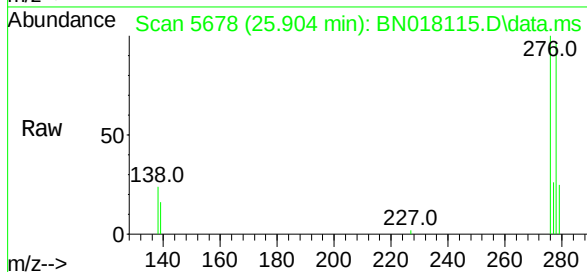
Tgt Ion:278 Resp: 17536

Ion Ratio Lower Upper

278 100

139 17.0 21.8 32.8#

279 25.9 26.3 39.5#



Abundance Scan 5882 (26.588 min): BN018099.D\data.ms (-5829) (-)

Benzo(g,h,i)perylene

Concen: 0.470 ng/ul

RT: 26.581 min Scan# 5880

Delta R.T. 0.005 min

Lab File: BN018115.D

Acq: 18 Dec 2021 00:21

Tgt Ion:276 Resp: 20598

Ion Ratio Lower Upper

276 100

138 19.9 24.5 36.7#

277 25.2 21.2 31.8

