

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040919\  
 Data File : BN005120.D  
 Acq On : 09 Apr 2019 19:38  
 Operator : JU/SJ  
 Sample : K2316-13  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SPLP-LECHATE-AMND-CS-3

Quant Time: Apr 10 01:55:07 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 27 05:27:09 2019  
 Response via : Initial Calibration

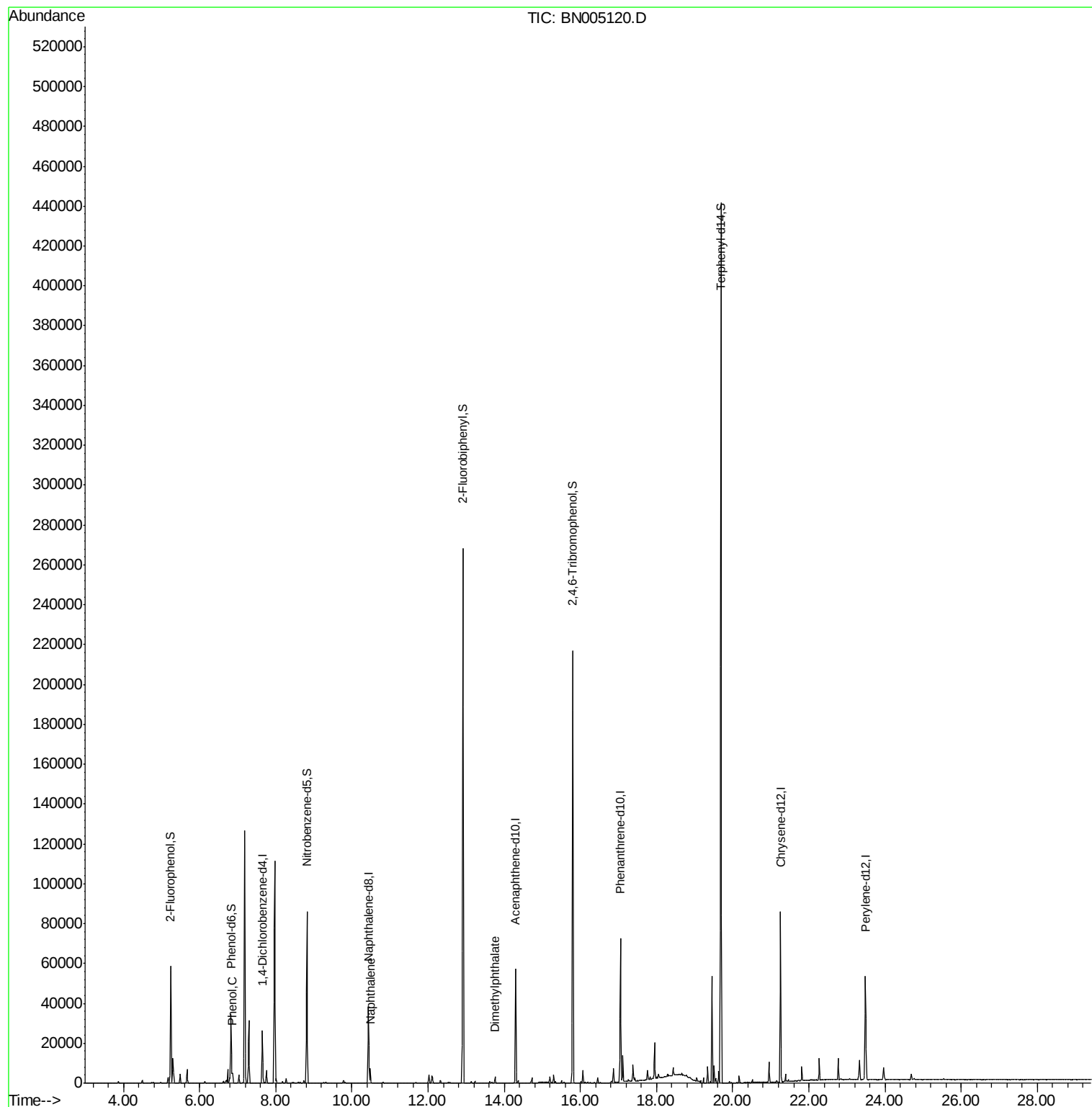
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 8493     | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.43 | 136  | 35266    | 20.00  | ng    | -0.03     |
| 39) Acenaphthene-d10        | 14.30 | 164  | 20399    | 20.00  | ng    | -0.03     |
| 64) Phenanthrene-d10        | 17.05 | 188  | 44529    | 20.00  | ng    | -0.02     |
| 76) Chrysene-d12            | 21.26 | 240  | 44553    | 20.00  | ng    | -0.02     |
| 87) Perylene-d12            | 23.49 | 264  | 41121    | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.24  | 112  | 28681    | 58.39  | ng    | -0.03     |
| 7) Phenol-d6                | 6.83  | 99   | 22687    | 34.82  | ng    | -0.03     |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 50701    | 86.97  | ng    | -0.03     |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 50463    | 153.38 | ng    | -0.02     |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 139437   | 90.58  | ng    | -0.02     |
| 79) Terphenyl-d14           | 19.69 | 244  | 214680   | 92.77  | ng    | -0.02     |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.85  | 94   | 2617     | 3.748  | ng    | Qvalue 96 |
| 31) Naphthalene             | 10.48 | 128  | 7993     | 4.344  | ng    | 99        |
| 50) Dimethylphthalate       | 13.76 | 163  | 3510     | 2.094  | ng    | # 77      |

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

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SPLP-LECHATE-AMND-CS-3

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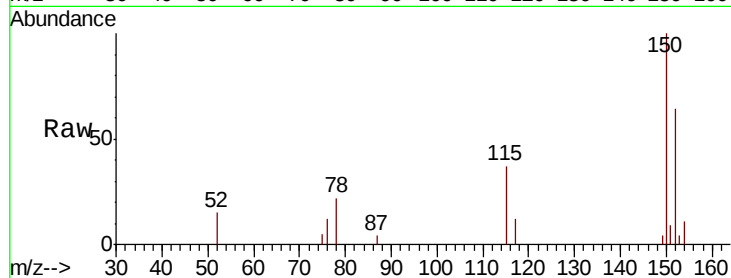


#1

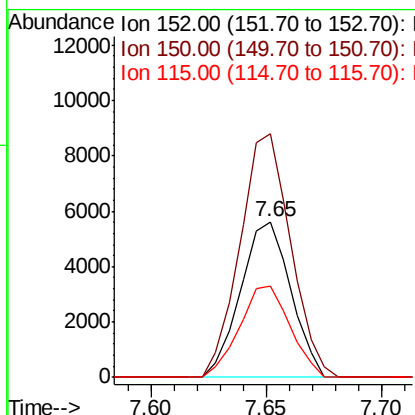
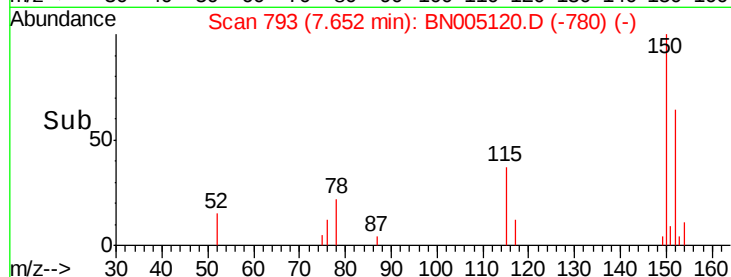
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 793  
Delta R.T. -0.02 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

Instrument :  
BNA\_N  
ClientSampleId :  
SPLP-LECHATE-AMND-CS-3

Tot Ion:152 Resp: 8493  
Ion Ratio Lower Upper  
152 100  
150 156.3 126.9 190.3  
115 58.4 47.8 71.6



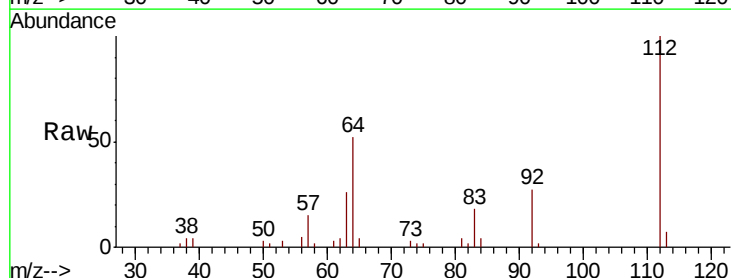
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



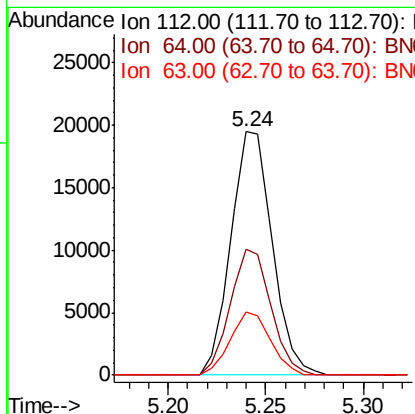
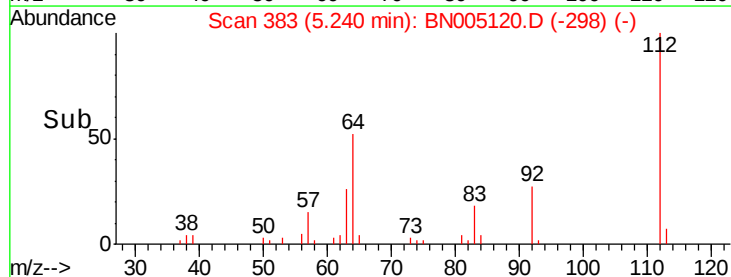
#5

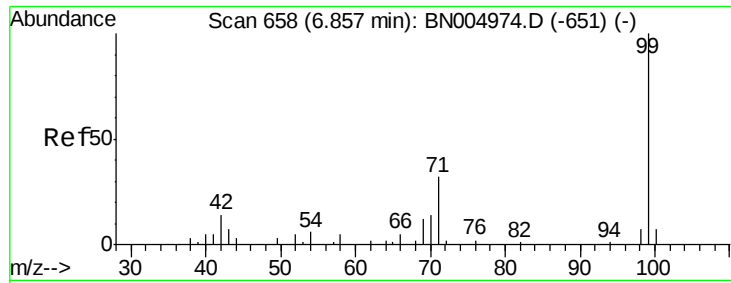
2-Fluorophenol  
Concen: 58.385 ng  
RT: 5.24 min Scan# 383  
Delta R.T. -0.03 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

Tgt Ion:112 Resp: 28681  
Ion Ratio Lower Upper  
112 100  
64 51.9 41.9 62.9  
63 25.9 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BNC  
Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 34.820 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.03 min

Lab File: BN005120.D

Acq: 09 Apr 2019 19:38

Instrument :

BNA\_N

ClientSampleId :

SPLP-LECHATE-AMND-CS-3

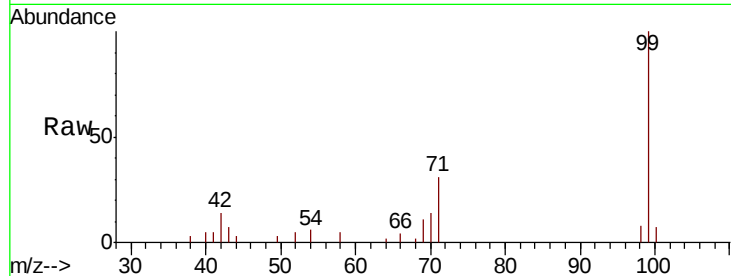
Tot Ion: 99 Resp: 22687

Ion Ratio Lower Upper

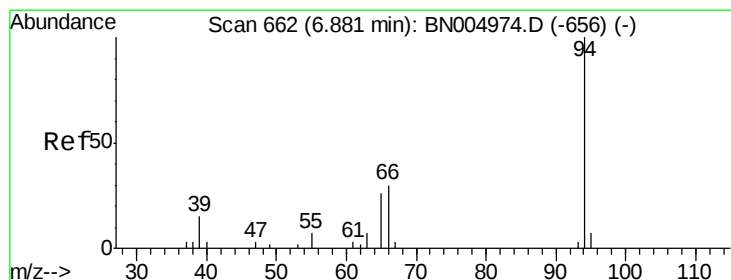
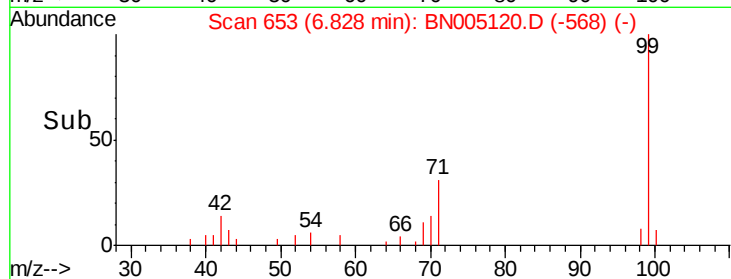
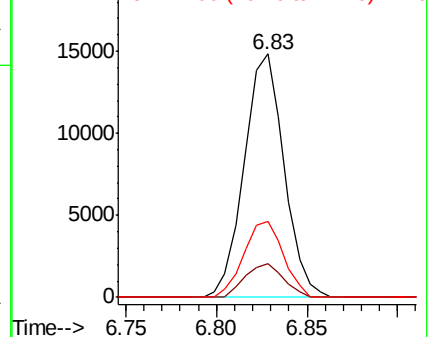
99 100

42 13.6 11.4 17.0

71 31.1 25.8 38.8



Abundance Ion 99.00 (98.70 to 99.70): BNC  
Ion 42.00 (41.70 to 42.70): BNC  
Ion 71.00 (70.70 to 71.70): BNC



#10

Phenol

Concen: 3.748 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.03 min

Lab File: BN005120.D

Acq: 09 Apr 2019 19:38

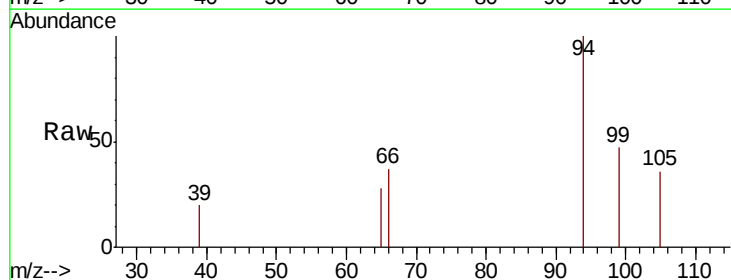
Tgt Ion: 94 Resp: 2617

Ion Ratio Lower Upper

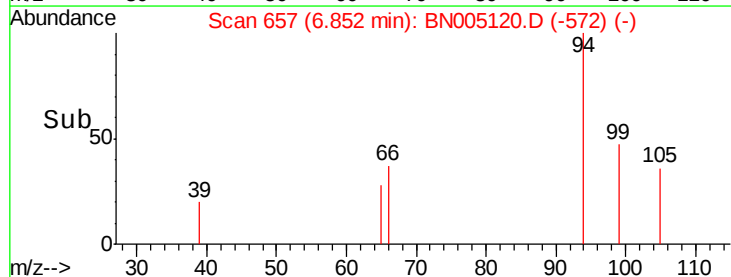
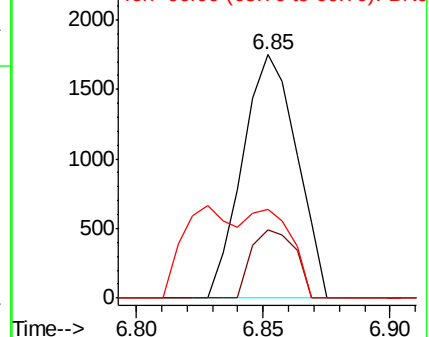
94 100

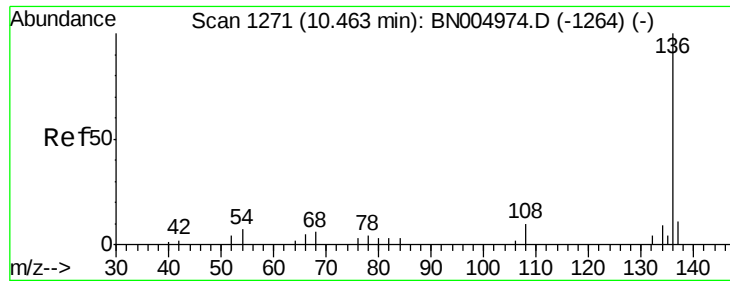
65 28.2 5.7 45.7

66 36.5 14.8 54.8



Abundance Ion 94.00 (93.70 to 94.70): BNC  
Ion 65.00 (64.70 to 65.70): BNC  
Ion 66.00 (65.70 to 66.70): BNC

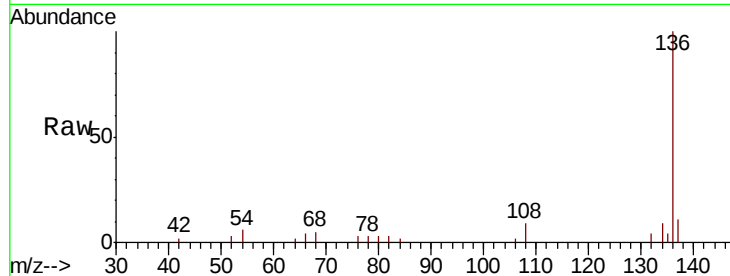




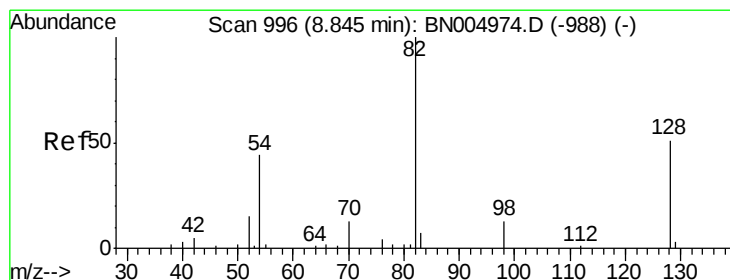
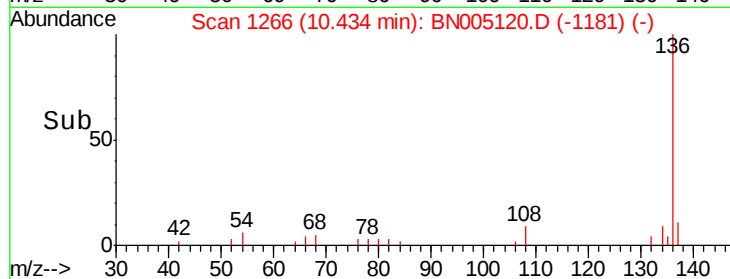
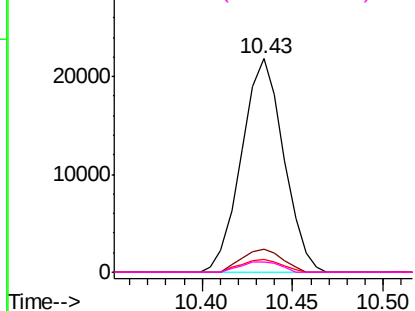
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.43 min Scan# 1266  
Delta R.T. -0.03 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

Instrument :  
BNA\_N  
ClientSampleId :  
SPLP-LECHATE-AMND-CS-3

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 35266       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 8.9 13.3    |
| 54          | 6.2   | 5.3 7.9     |
| 68          | 4.8   | 4.6 6.8     |

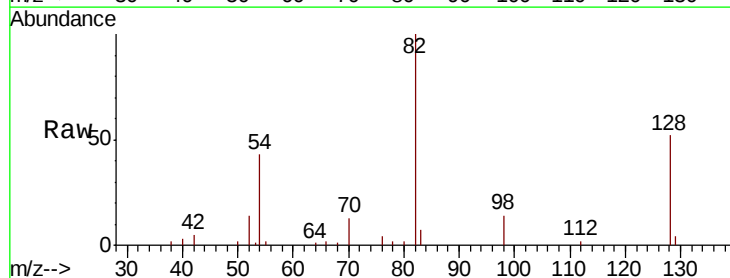


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BNC  
Ion 68.00 (67.70 to 68.70): BNC

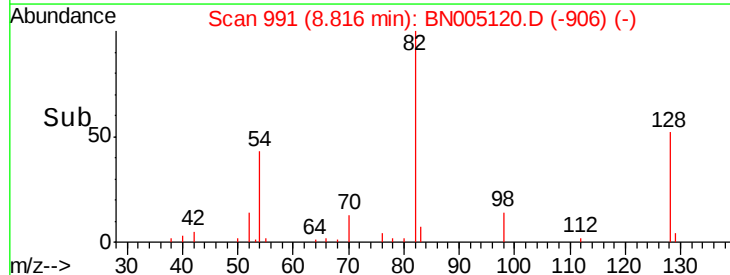
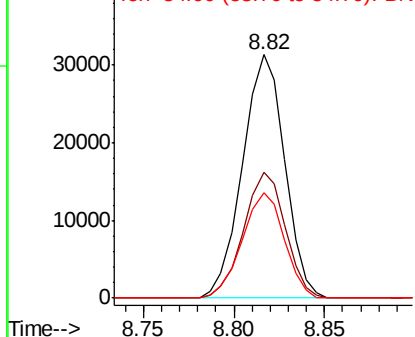


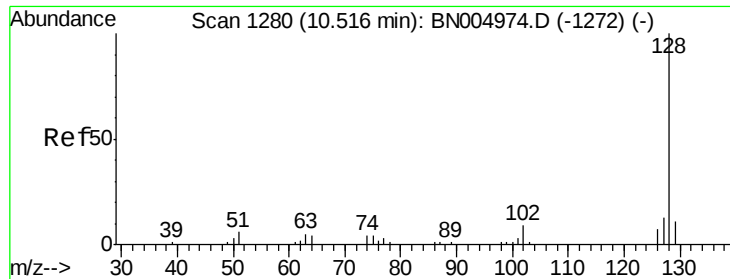
#23  
Nitrobenzene-d5  
Concen: 86.967 ng  
RT: 8.82 min Scan# 991  
Delta R.T. -0.03 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 50701       |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 51.8  | 40.6 60.8   |
| 54          | 43.2  | 35.2 52.8   |



Abundance Ion 82.00 (81.70 to 82.70): BNC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BNC

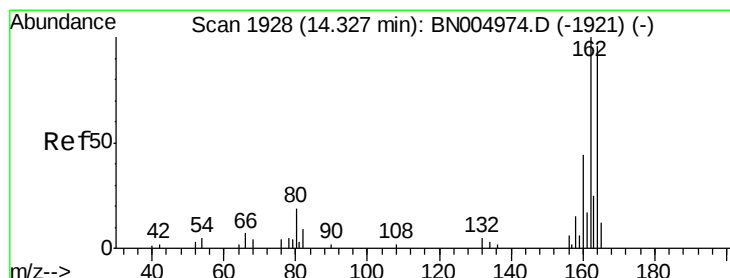
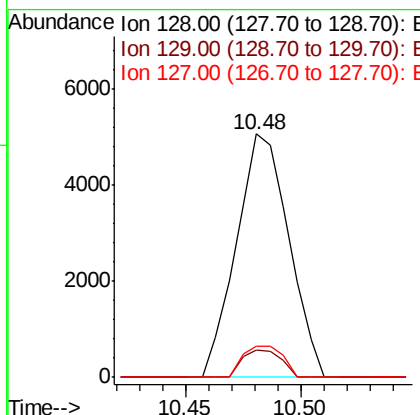
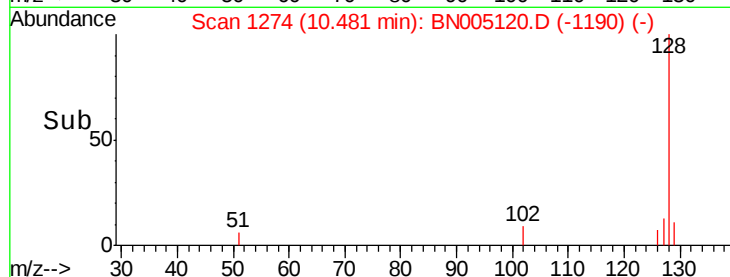
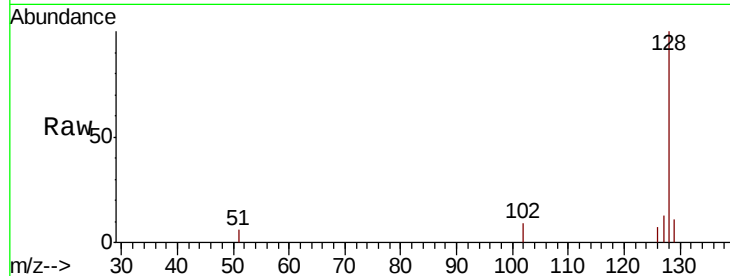




#31  
Naphthalene  
Concen: 4.344 ng  
RT: 10.48 min Scan# 1274  
Delta R.T. -0.04 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

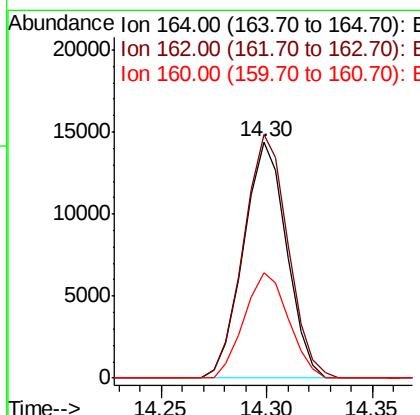
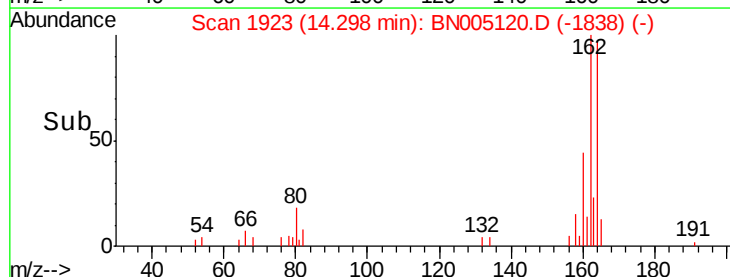
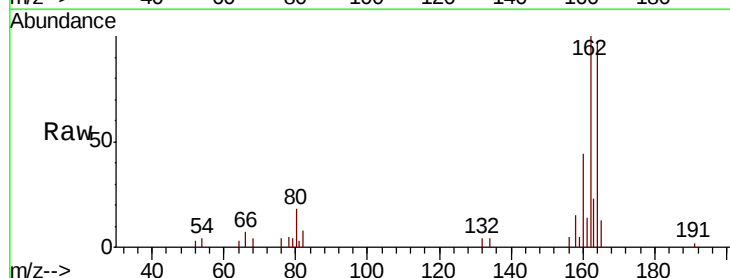
Instrument :  
BNA\_N  
ClientSampleId :  
SPLP-LECHATE-AMND-CS-3

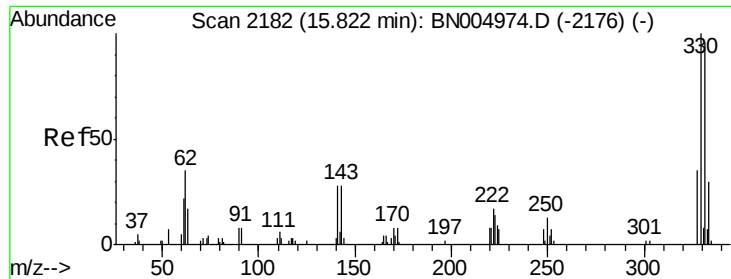
Tot Ion:128 Resp: 7993  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.1 10.8 16.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.30 min Scan# 1923  
Delta R.T. -0.03 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

Tgt Ion:164 Resp: 20399  
Ion Ratio Lower Upper  
164 100  
162 103.2 83.4 125.0  
160 44.9 36.6 55.0

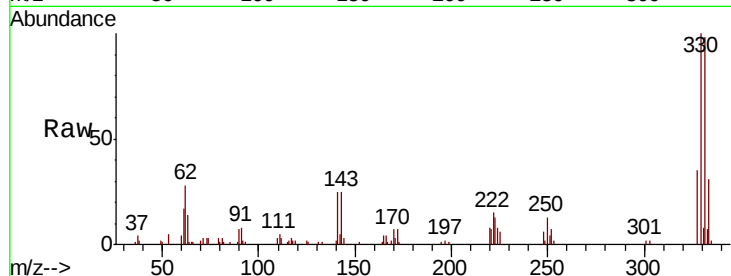




#42  
 2,4,6-Tribromophenol  
 Concen: 153.384 ng  
 RT: 15.80 min Scan# 2178  
 Delta R.T. -0.02 min  
 Lab File: BN005120.D  
 Acq: 09 Apr 2019 19:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SPLP-LECHATE-AMND-CS-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.4  | 116.0 |
| 141     | 24.3  | 22.1  | 33.1  |

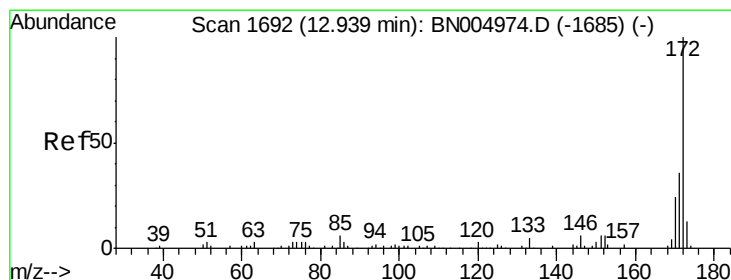
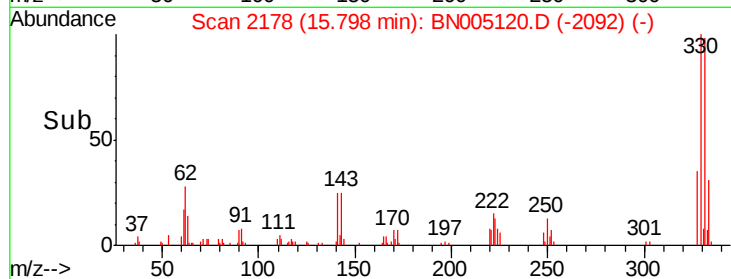
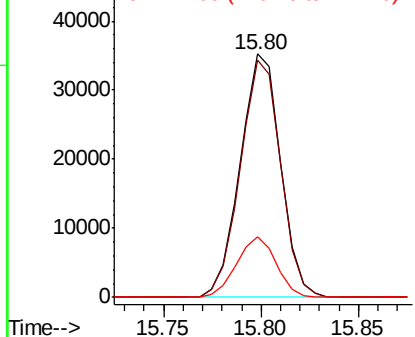


Abundance

Ion 329.80 (329.50 to 330.50): E

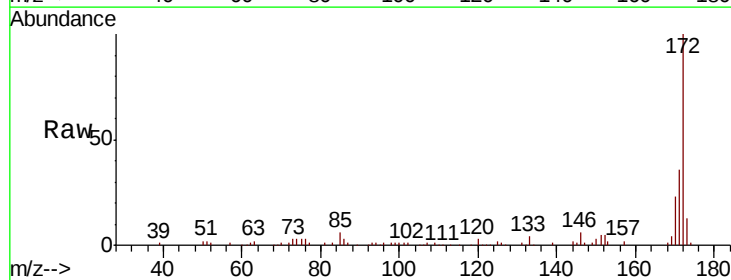
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 90.579 ng  
 RT: 12.92 min Scan# 1688  
 Delta R.T. -0.02 min  
 Lab File: BN005120.D  
 Acq: 09 Apr 2019 19:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 28.6  | 42.8  |
| 170     | 23.3  | 18.9  | 28.3  |

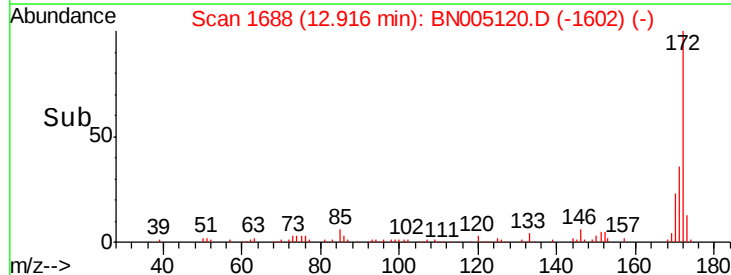
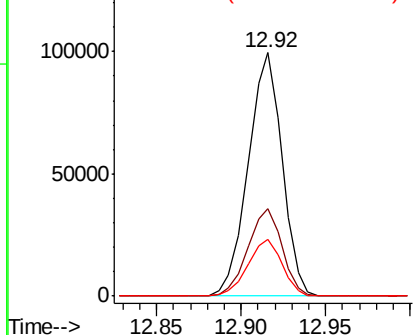


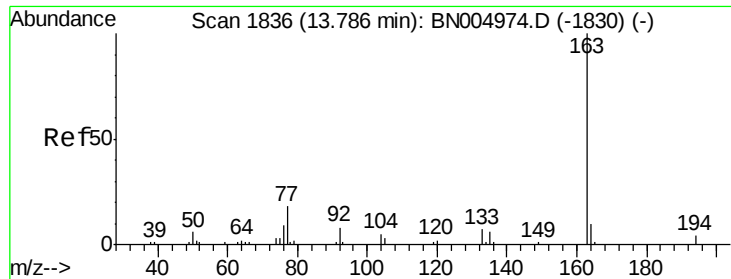
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

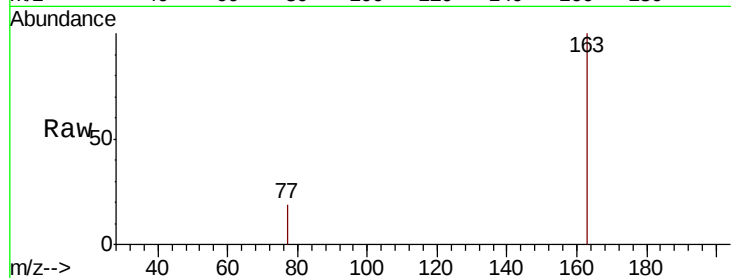




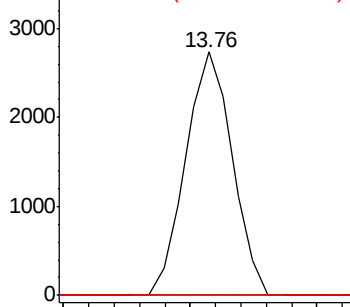
#50  
Dimethylphthalate  
Concen: 2.094 ng  
RT: 13.76 min Scan# 1831  
Delta R.T. -0.03 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

Instrument :  
BNA\_N  
ClientSampleId :  
SPLP-LECHATE-AMND-CS-3

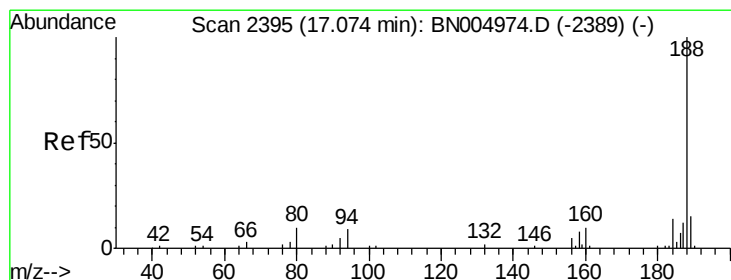
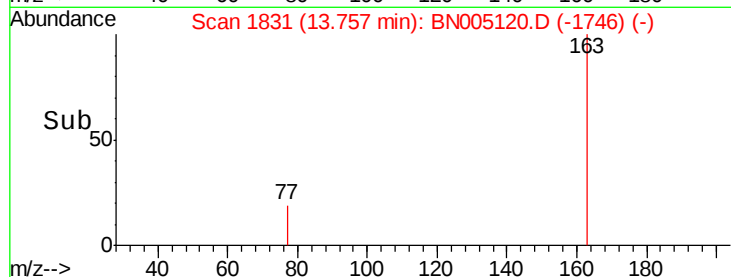
Tot Ion:163 Resp: 3510  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.4 5.0#  
164 0.0 8.3 12.5#



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

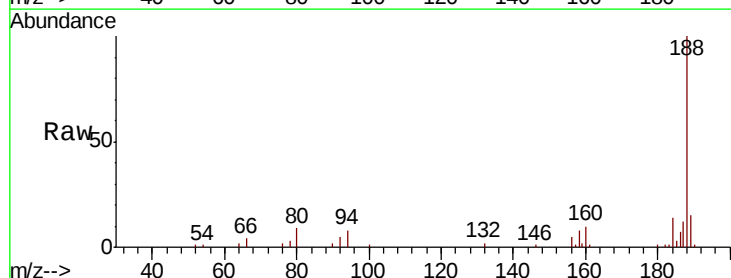


Time--> 13.70 13.75 13.80

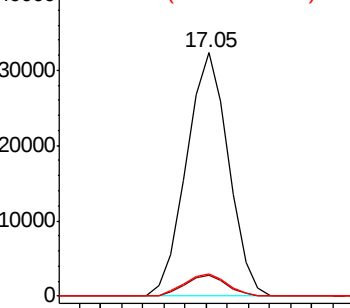


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.05 min Scan# 2391  
Delta R.T. -0.02 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

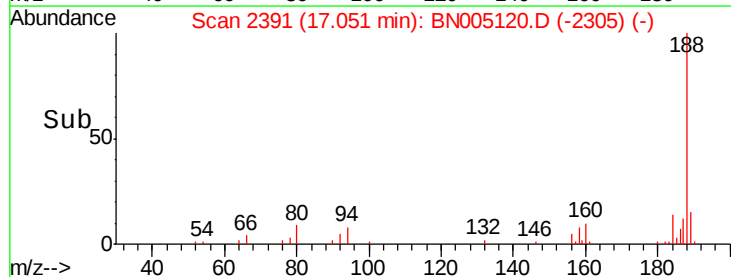
Tgt Ion:188 Resp: 44529  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.2 10.8  
80 9.3 7.8 11.6

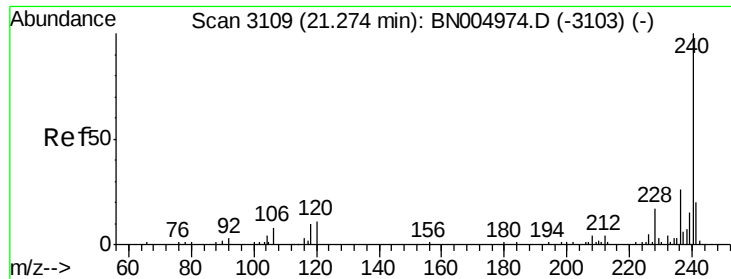


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BNC  
Ion 80.00 (79.70 to 80.70): BNC



Time--> 17.00 17.05 17.10





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.02 min

Lab File: BN005120.D

Acq: 09 Apr 2019 19:38

Instrument :

BNA\_N

ClientSampleId :

SPLP-LECHATE-AMND-CS-3

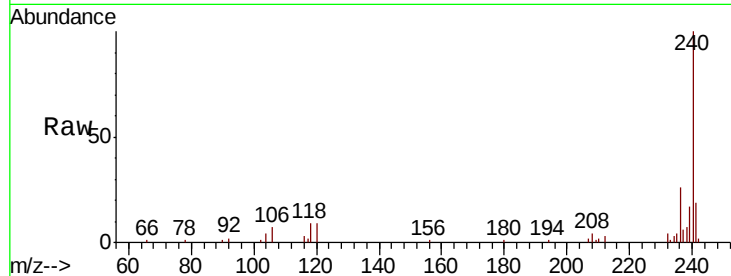
Tot Ion:240 Resp: 44553

Ion Ratio Lower Upper

240 100

120 9.4 8.5 12.7

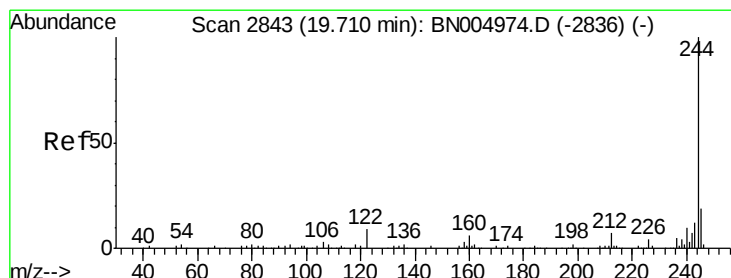
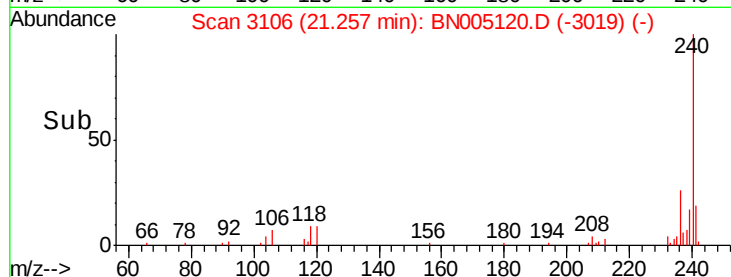
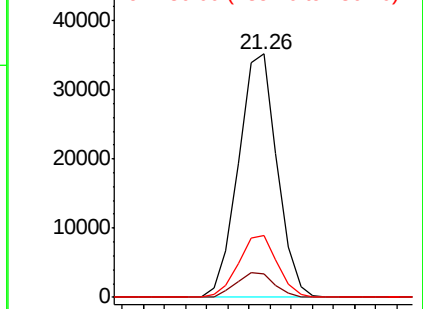
236 25.6 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 92.768 ng

RT: 19.69 min Scan# 2840

Delta R.T. -0.02 min

Lab File: BN005120.D

Acq: 09 Apr 2019 19:38

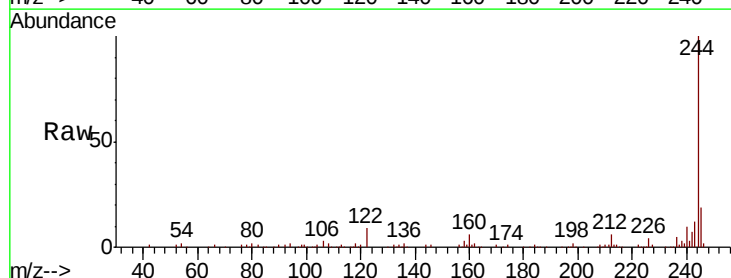
Tgt Ion:244 Resp: 214680

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

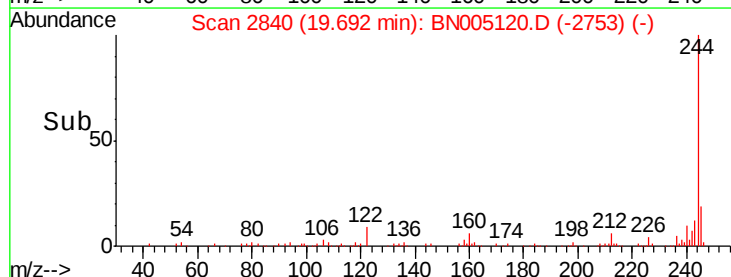
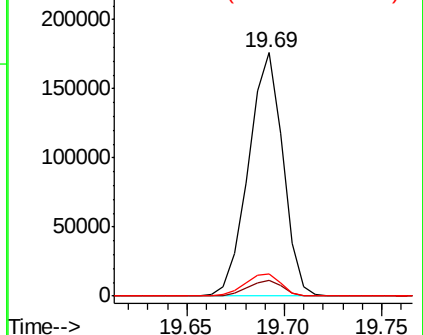
122 9.2 7.4 11.2

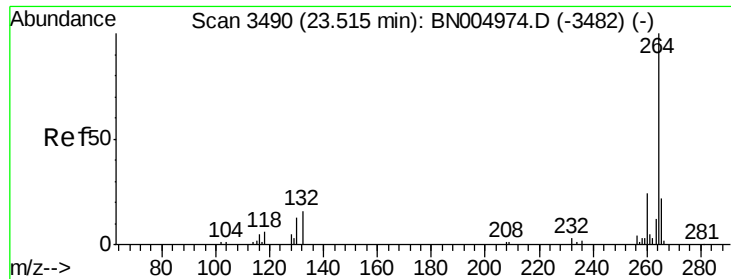


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

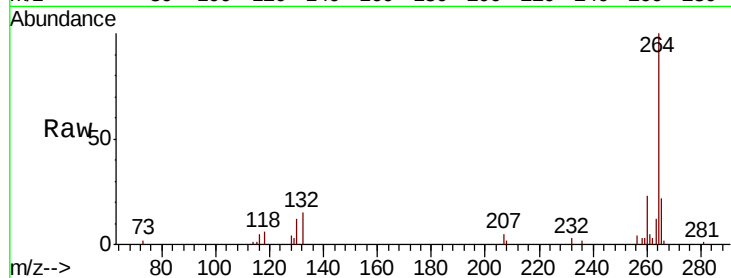




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.49 min Scan# 3485  
Delta R.T. -0.03 min  
Lab File: BN005120.D  
Acq: 09 Apr 2019 19:38

Instrument :  
BNA\_N  
ClientSampleId :  
SPLP-LECHATE-AMND-CS-3

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 41121 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 23.5  | 19.0  | 28.4  |
| 265      | 21.5  | 17.2  | 25.8  |



Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E

