

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110718\  
 Data File : BN003461.D  
 Acq On : 07 Nov 2018 20:40  
 Operator : MJ/SJ  
 Sample : J5829-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 110518-DBRI-E-D-M

Quant Time: Nov 08 16:03:09 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN102418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 07 08:25:32 2018  
 Response via : Initial Calibration

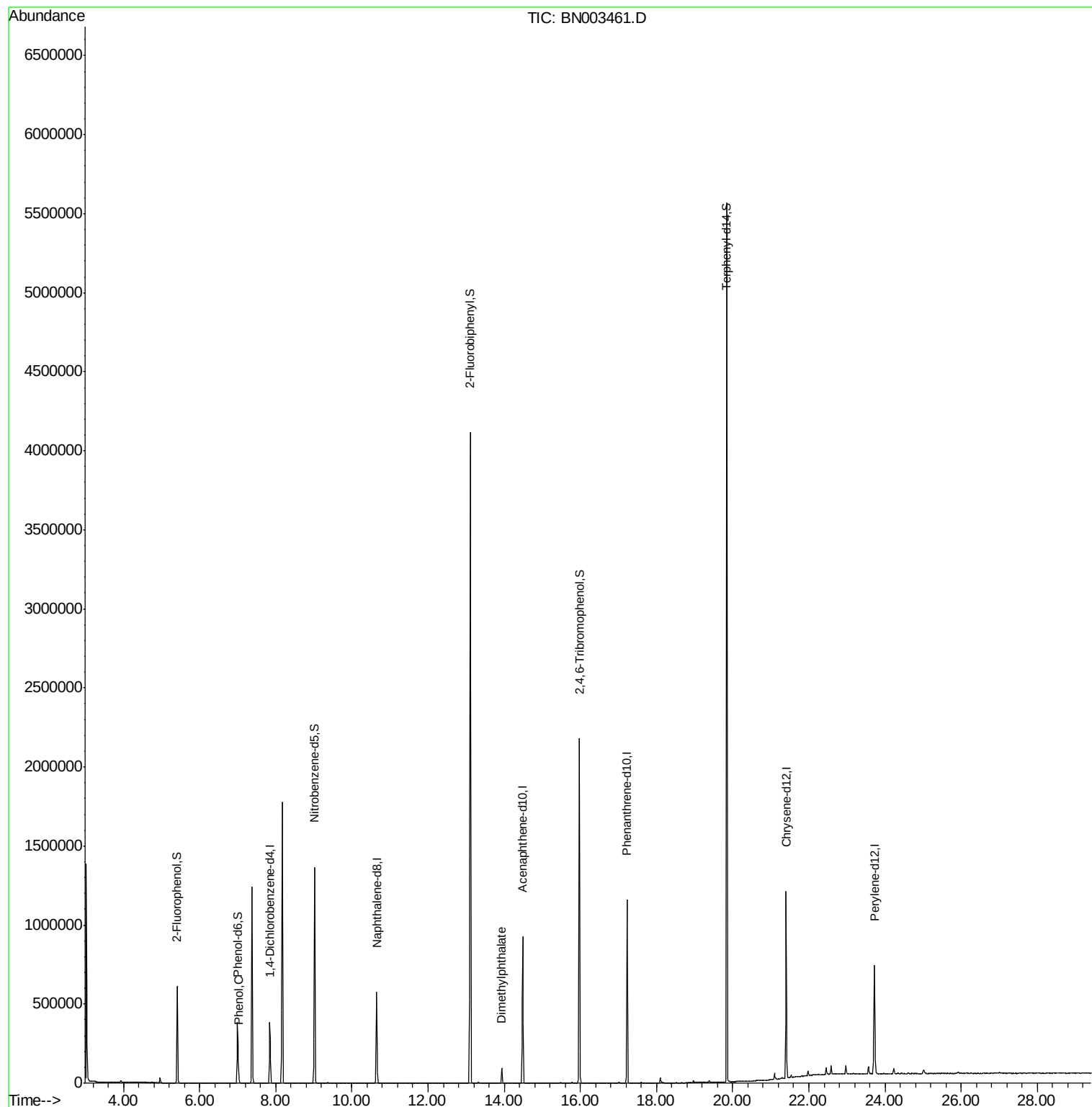
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.85  | 152  | 110498   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.65 | 136  | 493382   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.49 | 164  | 298041   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.23 | 188  | 659393   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.40 | 240  | 520959   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.72 | 264  | 507507   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 282580   | 44.54  | ng    | 0.00     |
| 7) Phenol-d6                | 7.00  | 99   | 229534   | 25.44  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.02  | 82   | 809250   | 94.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.97 | 330  | 449741   | 112.06 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.11 | 172  | 2232172  | 101.59 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.85 | 244  | 2697353  | 110.73 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.03  | 94   | 29904    | 3.141  | ng    | 94       |
| 50) Dimethylphthalate       | 13.94 | 163  | 65213    | 2.706  | ng    | 100      |

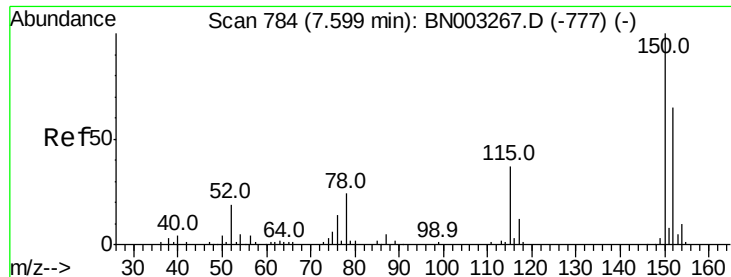
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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110518-DBRI-E-D-M

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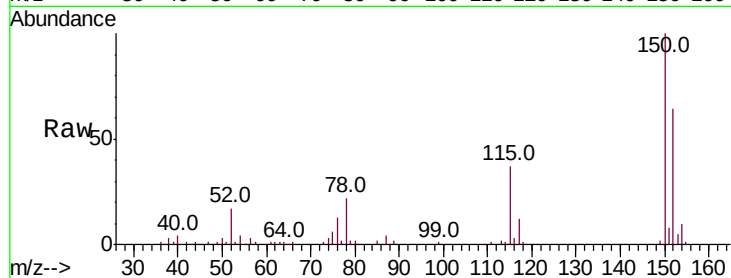


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.85 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BN003461.D  
Acq: 07 Nov 2018 20:40

Instrument :  
BNA\_N  
ClientSampleId :  
110518-DBRI-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.7 | 123.8 | 185.8 |
| 115     | 57.3  | 45.9  | 68.9  |

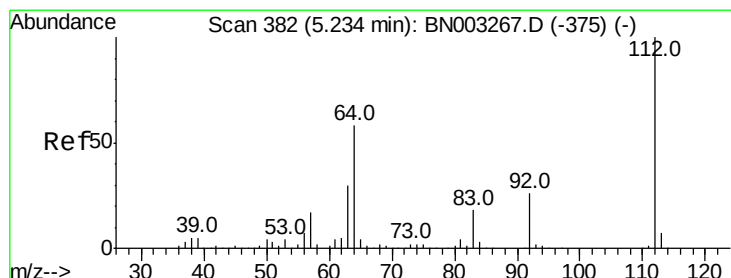
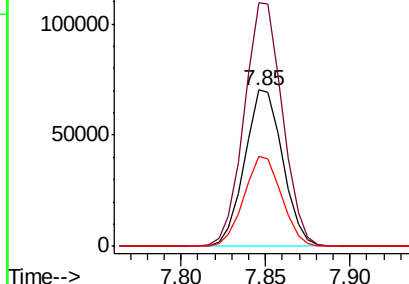
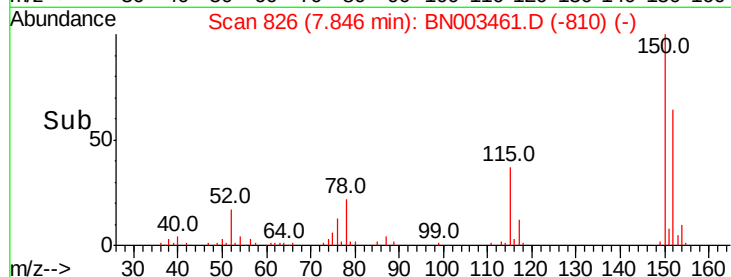


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

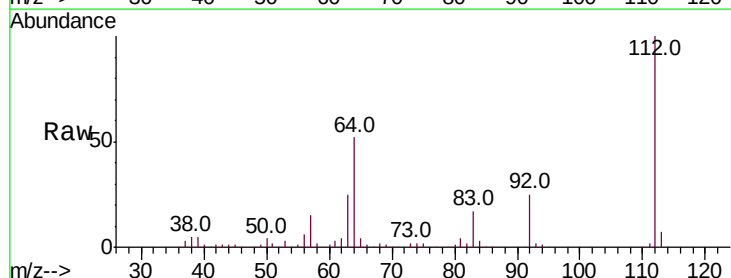
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 44.542 ng  
RT: 5.42 min Scan# 413  
Delta R.T. 0.01 min  
Lab File: BN003461.D  
Acq: 07 Nov 2018 20:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.8  | 46.6  | 69.8  |
| 63      | 25.0  | 23.8  | 35.8  |

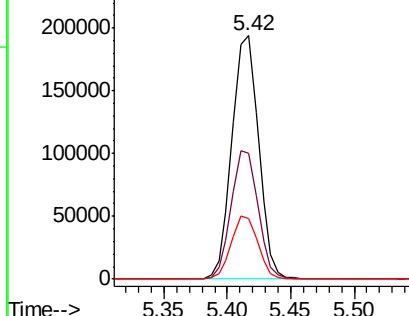
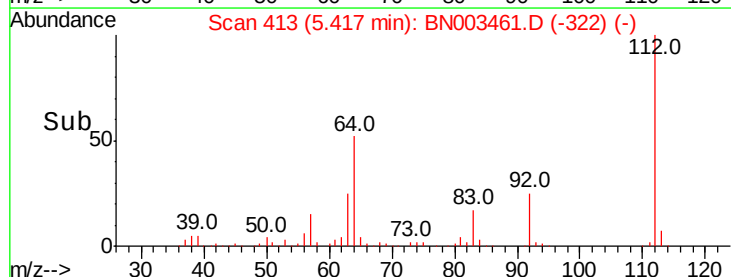


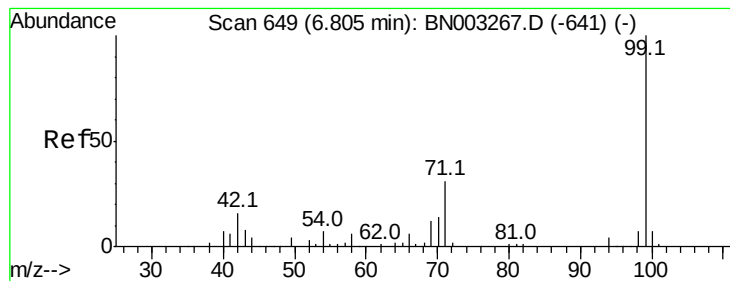
Abundance

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: 25.444 ng

RT: 7.00 min Scan# 682

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA\_N

ClientSampleId :

110518-DBRI-E-D-M

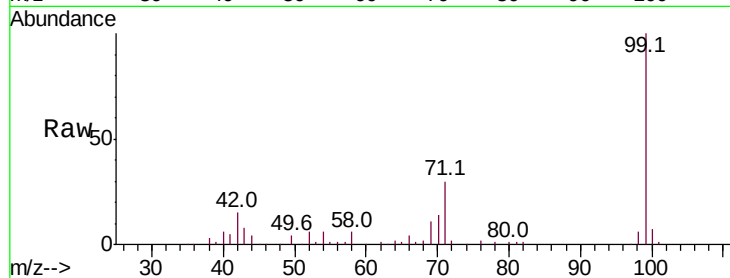
Tot Ion: 99 Resp: 229534

Ion Ratio Lower Upper

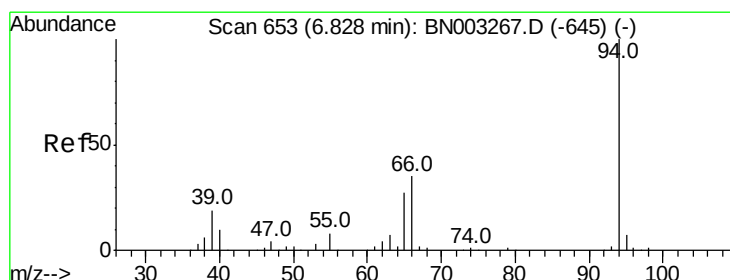
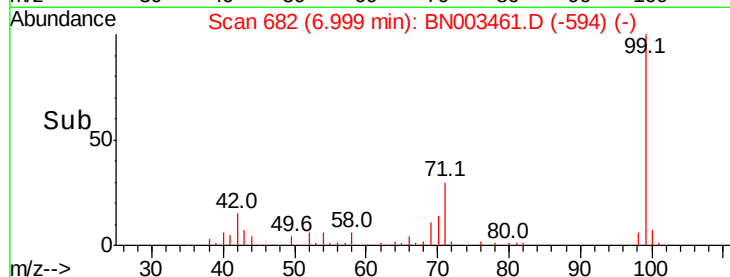
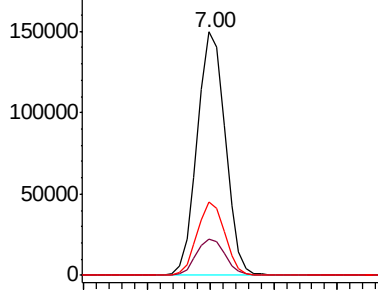
99 100

42 15.1 13.0 19.6

71 30.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BN0  
Ion 42.00 (41.70 to 42.70): BN0  
Ion 71.00 (70.70 to 71.70): BN0



#10

Phenol

Concen: 3.141 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

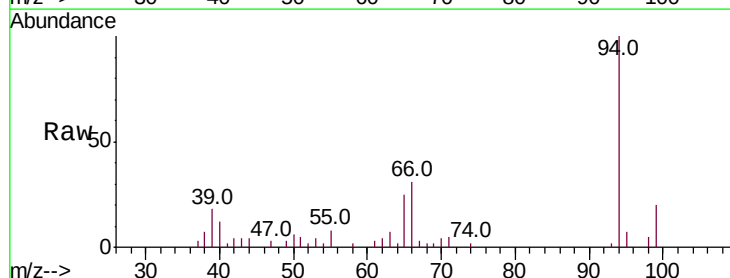
Tgt Ion: 94 Resp: 29904

Ion Ratio Lower Upper

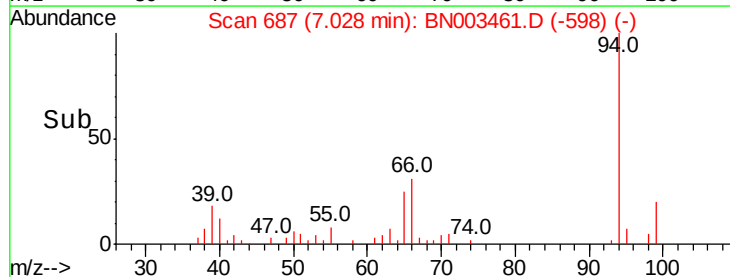
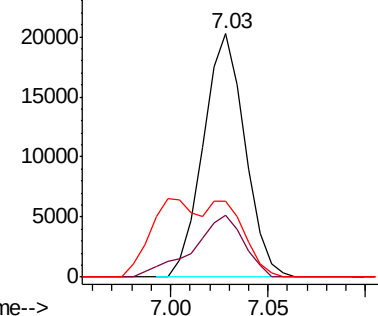
94 100

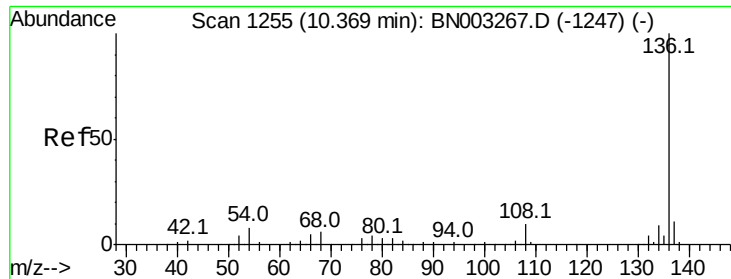
65 25.5 7.7 47.7

66 31.1 15.8 55.8



Abundance Ion 94.00 (93.70 to 94.70): BN0  
Ion 65.00 (64.70 to 65.70): BN0  
Ion 66.00 (65.70 to 66.70): BN0

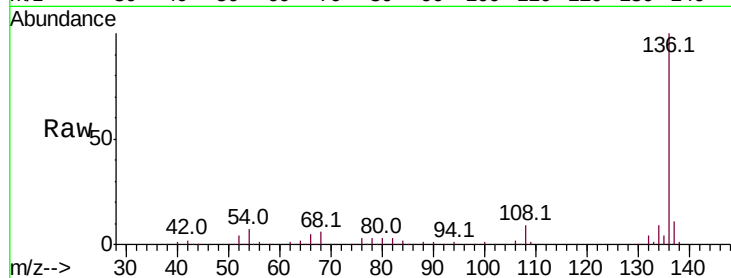




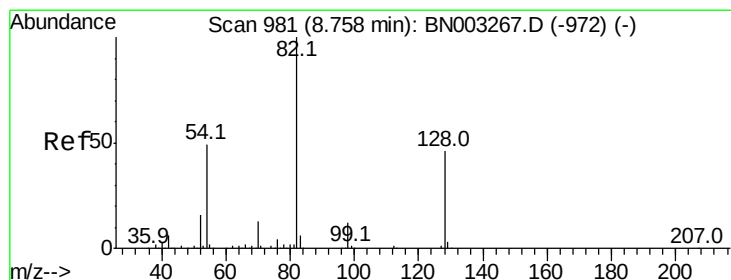
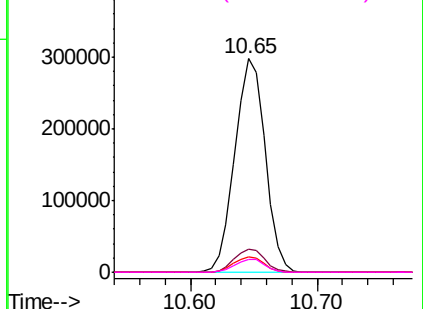
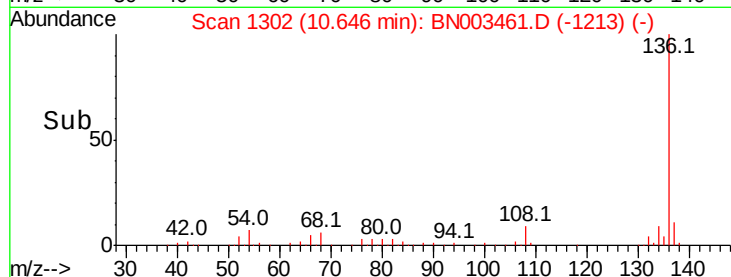
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.65 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BN003461.D  
Acq: 07 Nov 2018 20:40

Instrument :  
BNA\_N  
ClientSampleId :  
110518-DBRI-E-D-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 493382 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.7   | 13.1   |
| 54       | 7.3   | 6.6   | 10.0   |
| 68       | 6.1   | 4.6   | 7.0    |

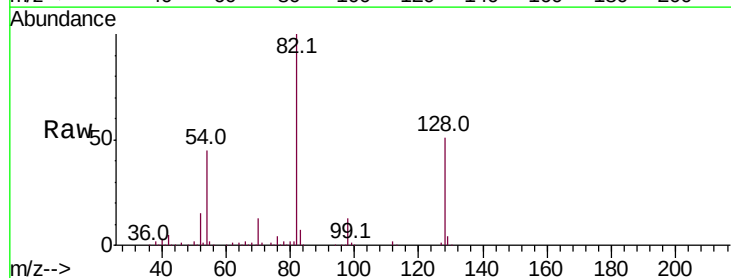


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BNC  
Ion 68.00 (67.70 to 68.70): BNC

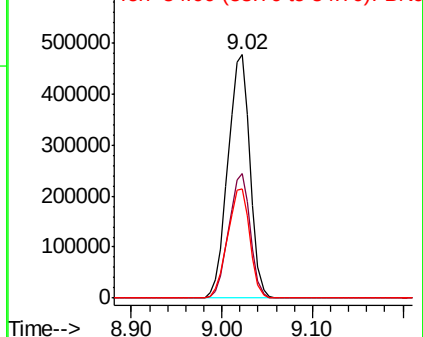
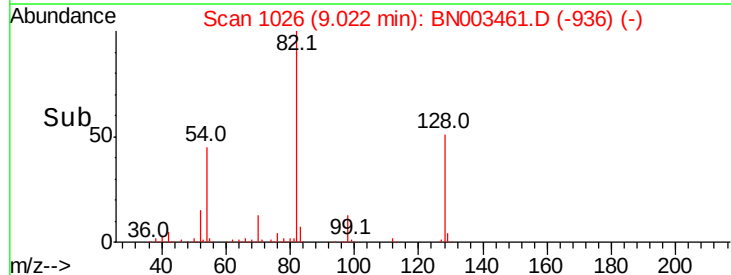


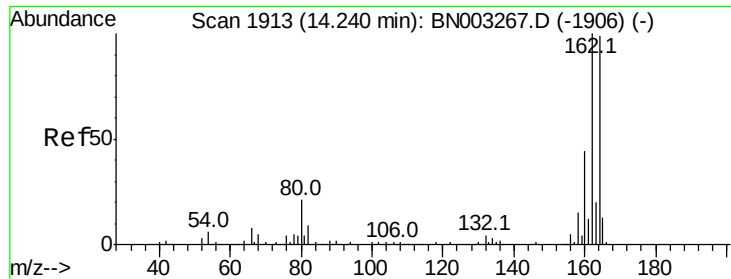
#23  
Nitrobenzene-d5  
Concen: 94.065 ng  
RT: 9.02 min Scan# 1026  
Delta R.T. 0.00 min  
Lab File: BN003461.D  
Acq: 07 Nov 2018 20:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 809250 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 51.2  | 37.1  | 55.7   |
| 54       | 44.8  | 39.4  | 59.2   |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA\_N

ClientSampleId :

110518-DBRI-E-D-M

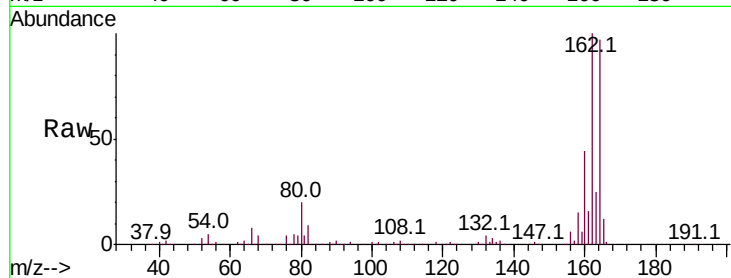
Tot Ion:164 Resp: 298041

Ion Ratio Lower Upper

164 100

162 103.6 80.8 121.2

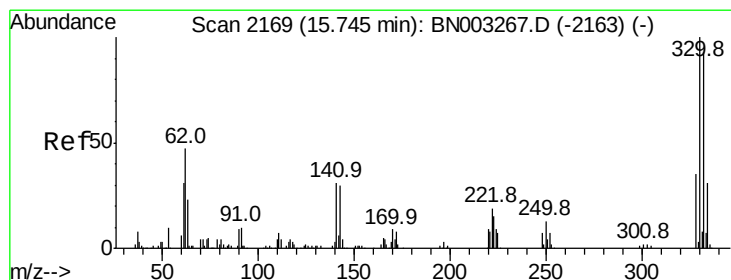
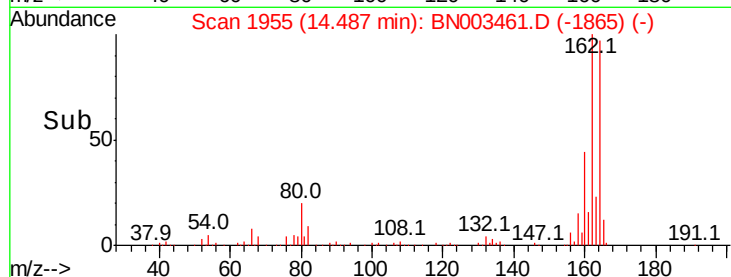
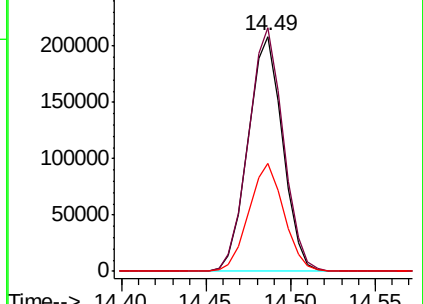
160 45.9 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 112.065 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

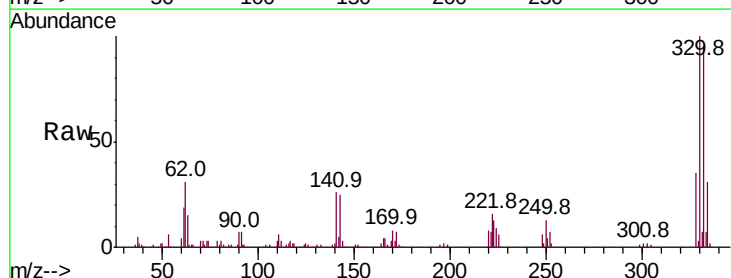
Tgt Ion:330 Resp: 449741

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

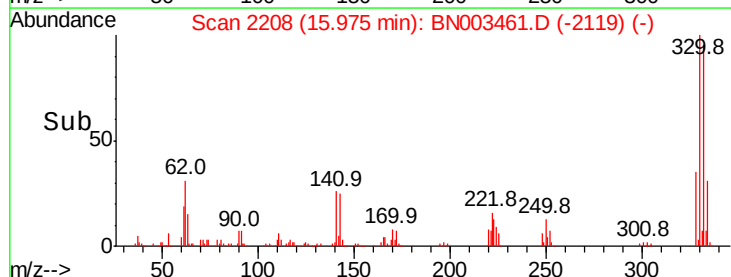
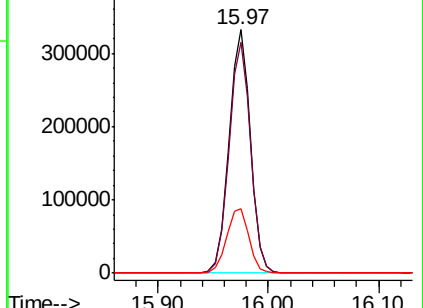
141 27.6 24.5 36.7

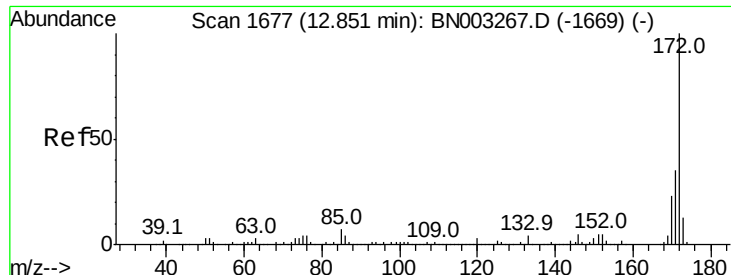


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

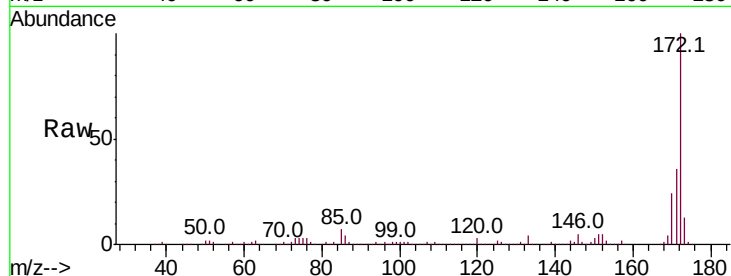




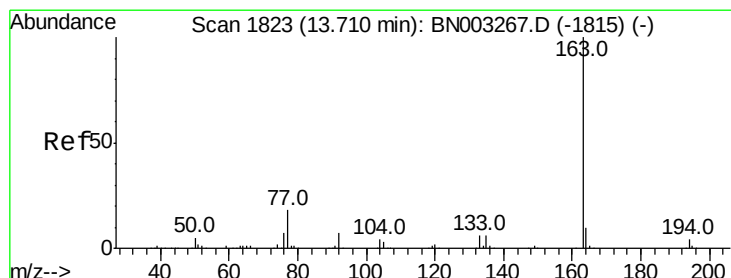
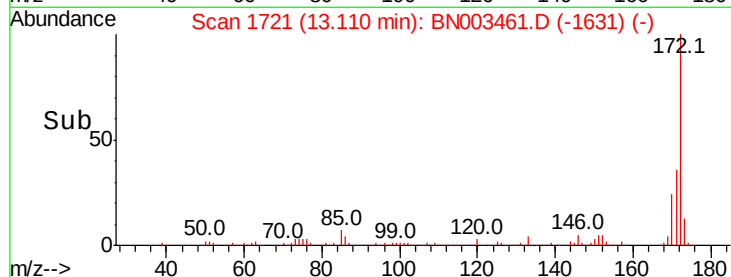
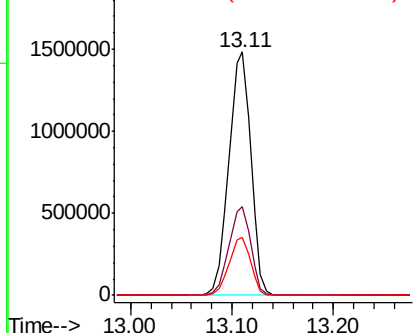
#45  
2-Fluorobiphenyl  
Concen: 101.589 ng  
RT: 13.11 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: BN003461.D  
Acq: 07 Nov 2018 20:40

Instrument :  
BNA\_N  
ClientSampleId :  
110518-DBRI-E-D-M

Tot Ion:172 Resp: 2232172  
Ion Ratio Lower Upper  
172 100  
171 36.4 28.2 42.4  
170 23.6 18.4 27.6

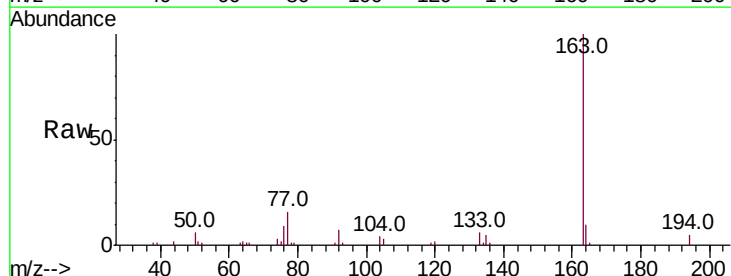


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

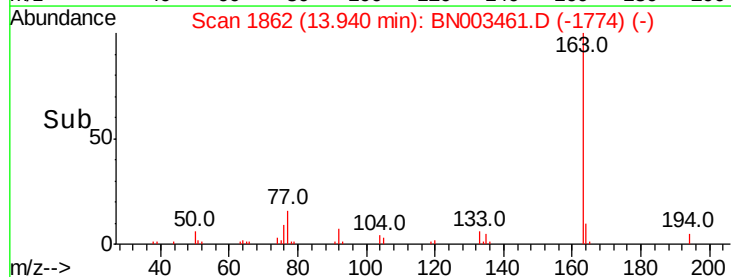
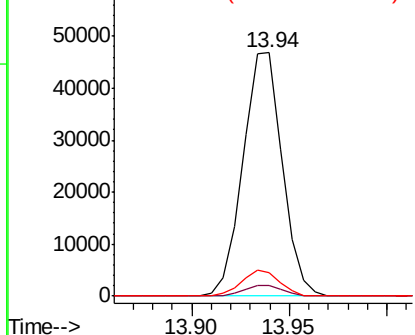


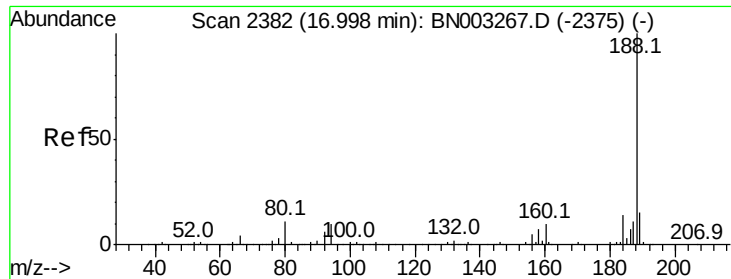
#50  
Dimethylphthalate  
Concen: 2.706 ng  
RT: 13.94 min Scan# 1862  
Delta R.T. -0.01 min  
Lab File: BN003461.D  
Acq: 07 Nov 2018 20:40

Tgt Ion:163 Resp: 65213  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.4 5.2  
164 9.8 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E  
60000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.23 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA\_N

ClientSampleId :

110518-DBRI-E-D-M

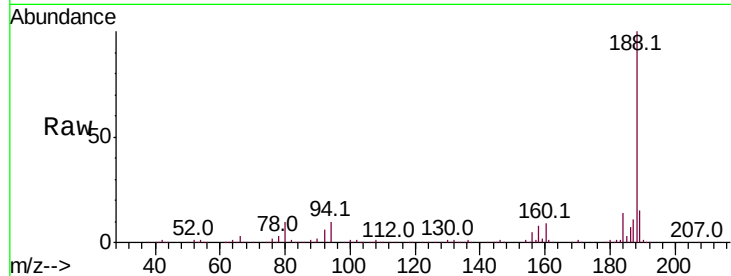
Tot Ion:188 Resp: 659393

Ion Ratio Lower Upper

188 100

94 9.8 8.1 12.1

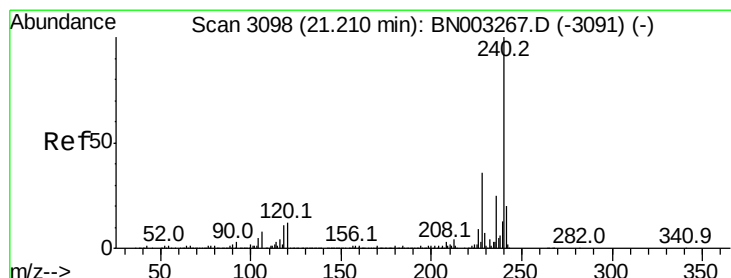
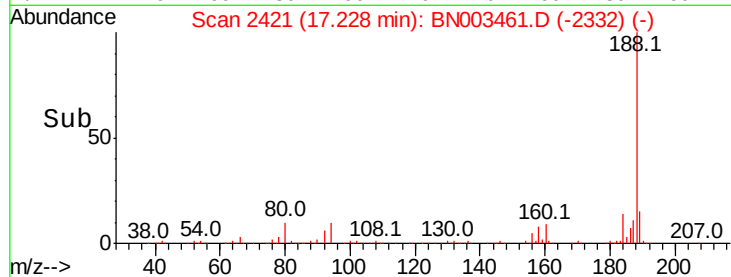
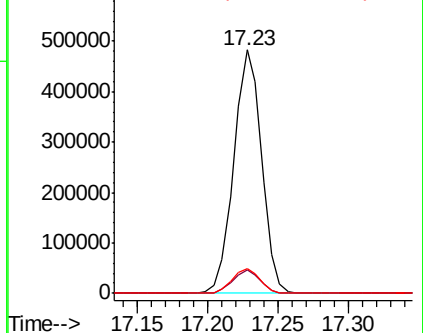
80 10.3 8.6 13.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

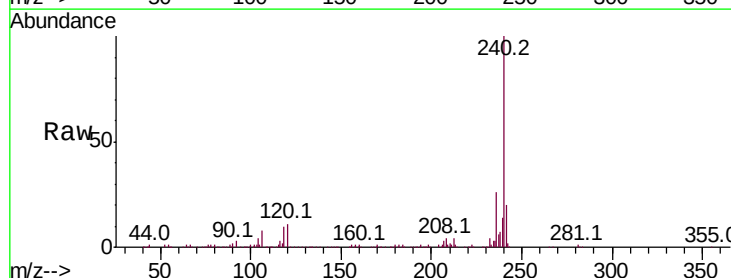
Tgt Ion:240 Resp: 520959

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.0

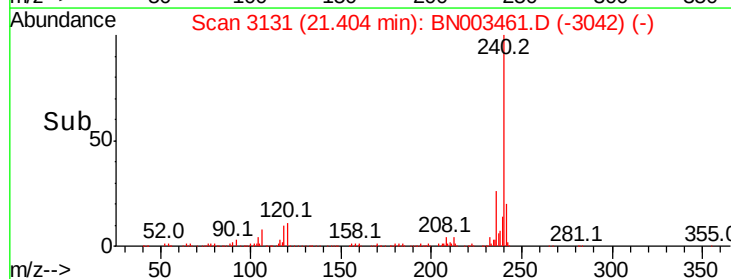
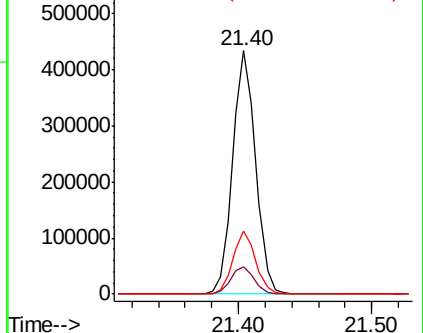
236 26.1 20.3 30.5



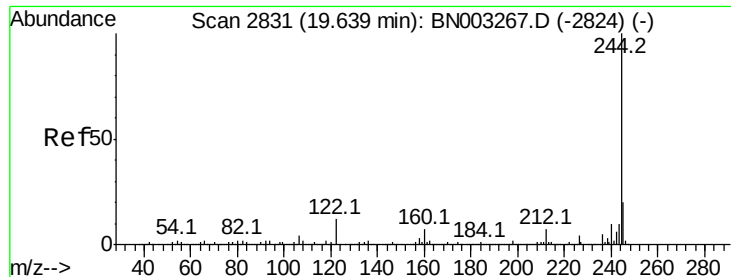
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#79

Terphenyl-d14

Concen: 110.727 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

Instrument :

BNA\_N

ClientSampleId :

110518-DBRI-E-D-M

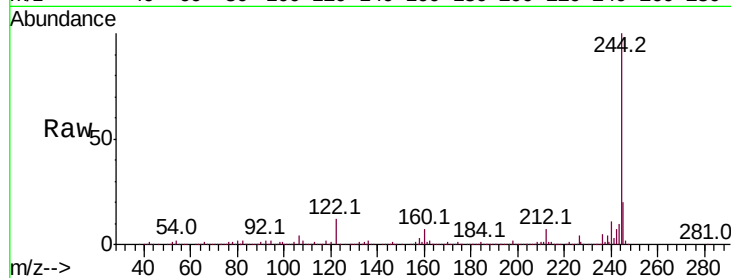
Tot Ion:244 Resp: 2697353

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

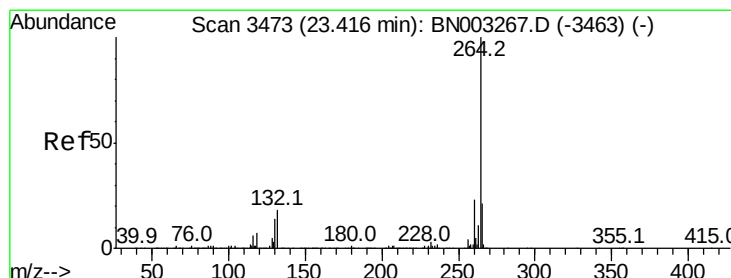
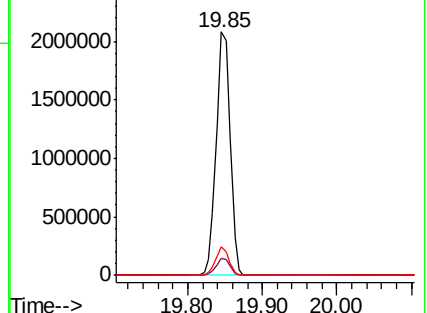
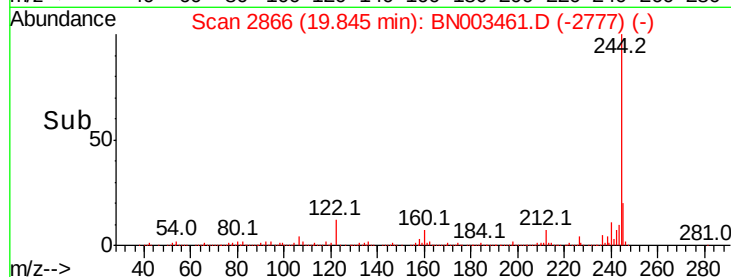
122 11.6 9.4 14.2



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

Perylene-d12

Concen: 20.000 ng

RT: 23.72 min Scan# 3525

Delta R.T. -0.01 min

Lab File: BN003461.D

Acq: 07 Nov 2018 20:40

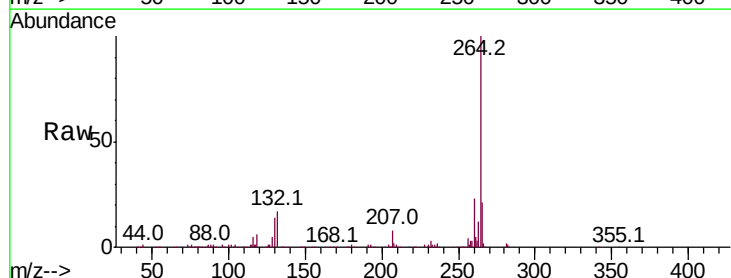
Tgt Ion:264 Resp: 507507

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.3 16.6 25.0



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

