

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110918\  
 Data File : BN003482.D  
 Acq On : 09 Nov 2018 21:07  
 Operator : MJ/SJ  
 Sample : J5860-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EP2-SB-108(14-16)

Quant Time: Nov 12 03:21:16 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

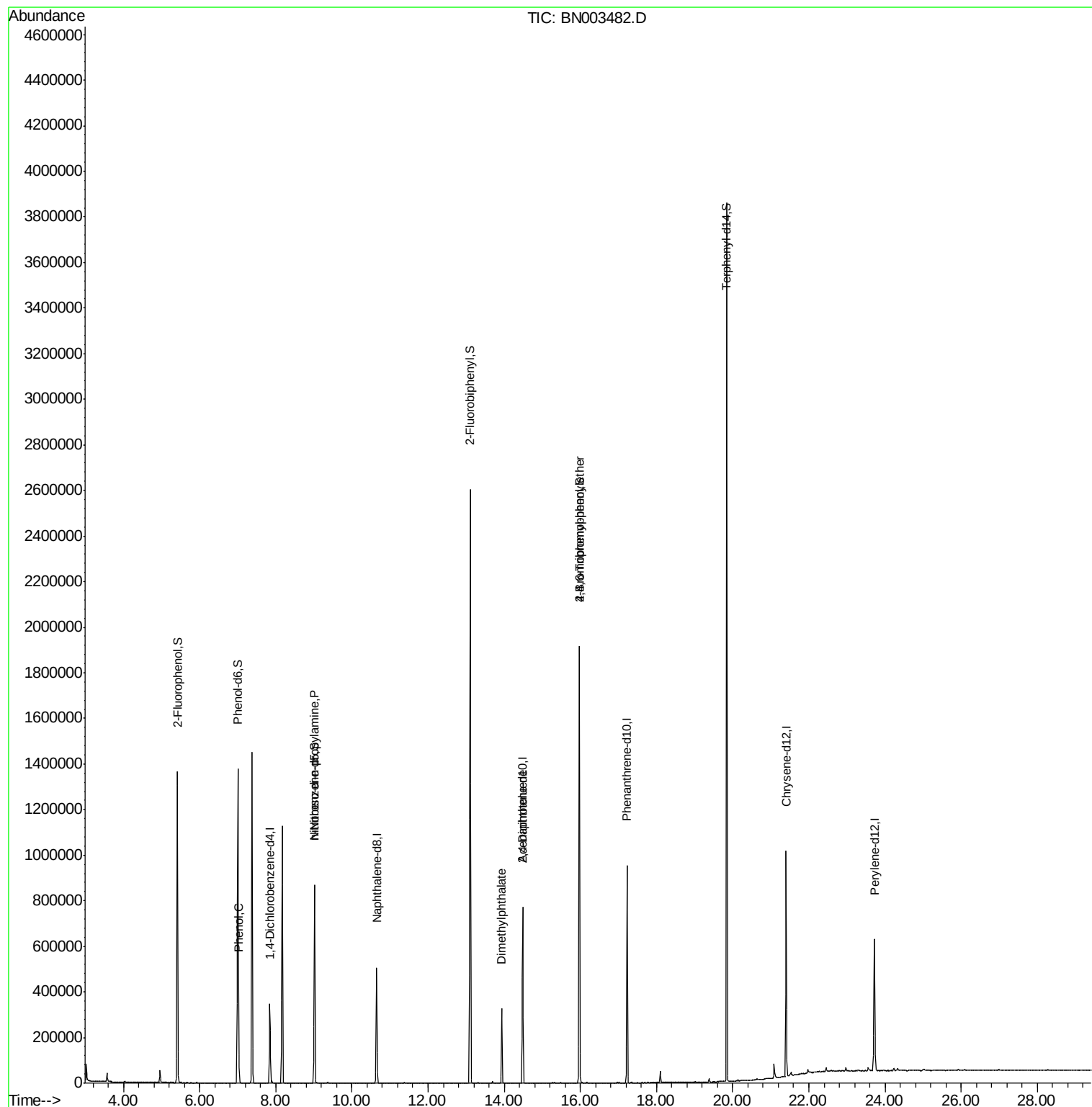
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.85  | 152  | 98342    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.65 | 136  | 428673   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.49 | 164  | 250898   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.23 | 188  | 539447   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.40 | 240  | 436056   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 23.72 | 264  | 436551   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.42  | 112  | 622302   | 110.22 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.00  | 99   | 850051   | 105.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.02  | 82   | 484702   | 64.84  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.97 | 330  | 404263   | 119.66 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.10 | 172  | 1357434  | 73.39  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.85 | 244  | 1768494  | 86.73  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.03  | 94   | 59731    | 7.050  | ng    | 98       |
| 19) n-Nitroso-di-n-propylamine | 9.02  | 70   | 61917    | 10.695 | ng    | # 75     |
| 50) Dimethylphthalate          | 13.93 | 163  | 213453   | 10.522 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 14.49 | 165  | 32234    | 5.163  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 15.97 | 248  | 25644    | 4.221  | ng    | # 1      |

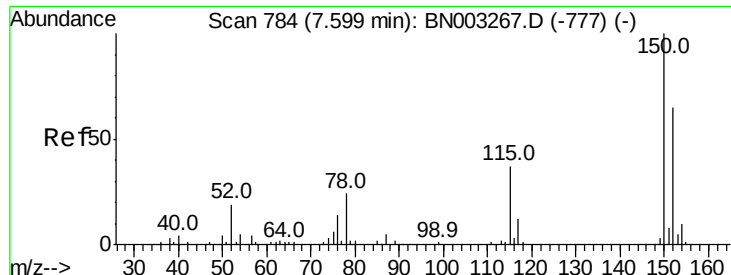
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EP2-SB-108(14-16)

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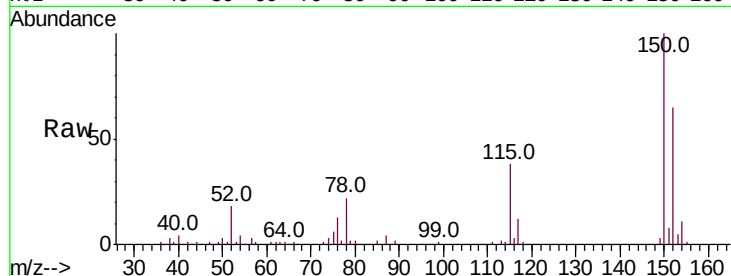


#1

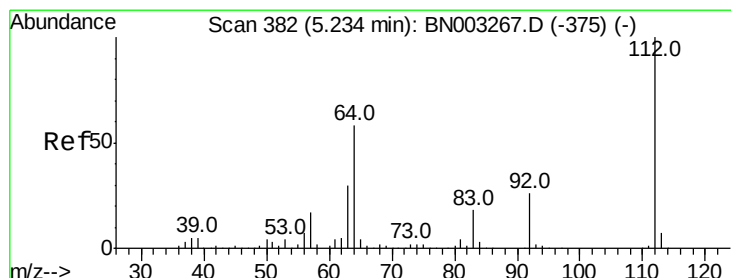
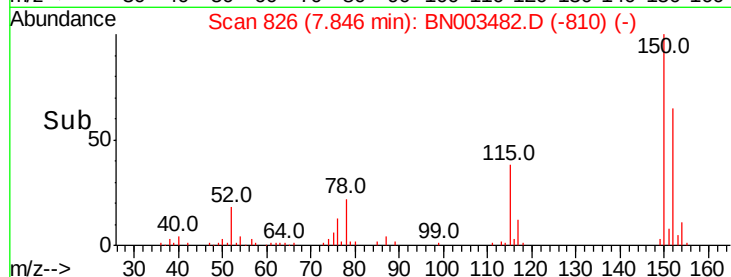
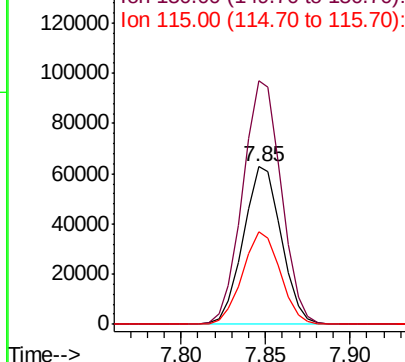
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.85 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BN003482.D  
Acq: 09 Nov 2018 21:07

Instrument :  
BNA\_N  
ClientSampleId :  
EP2-SB-108(14-16)

Tot Ion:152 Resp: 98342  
Ion Ratio Lower Upper  
152 100  
150 154.7 123.8 185.8  
115 58.5 45.9 68.9



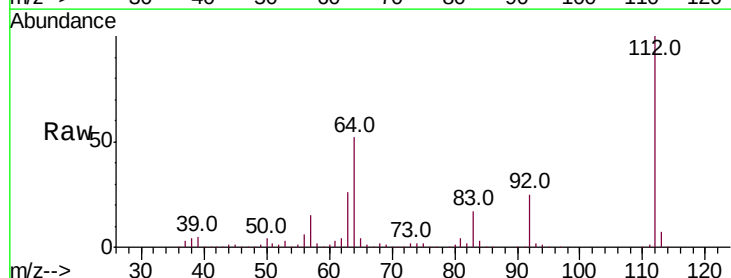
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



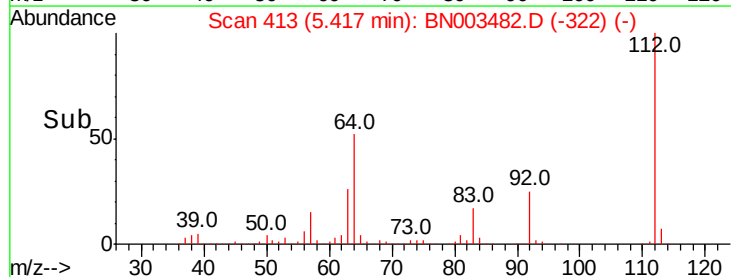
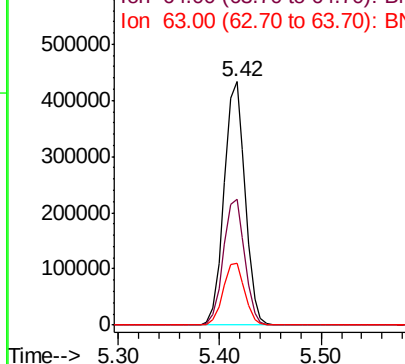
#5

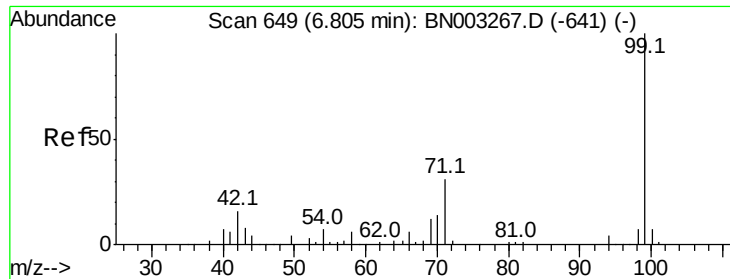
2-Fluorophenol  
Concen: 110.217 ng  
RT: 5.42 min Scan# 413  
Delta R.T. 0.01 min  
Lab File: BN003482.D  
Acq: 09 Nov 2018 21:07

Tgt Ion:112 Resp: 622302  
Ion Ratio Lower Upper  
112 100  
64 51.8 46.6 69.8  
63 25.5 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: 105.878 ng

RT: 7.00 min Scan# 683

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Instrument :

BNA\_N

ClientSampleId :

EP2-SB-108(14-16)

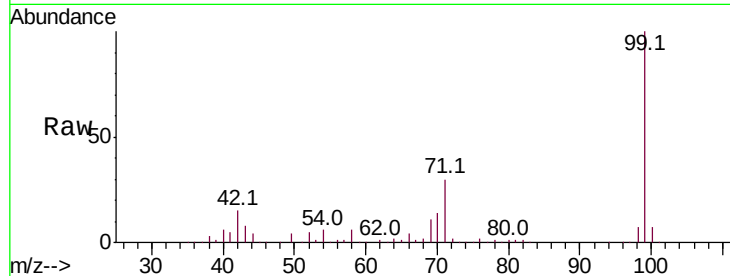
Tot Ion: 99 Resp: 850051

Ion Ratio Lower Upper

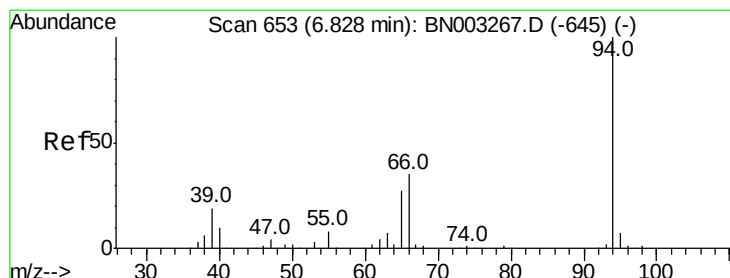
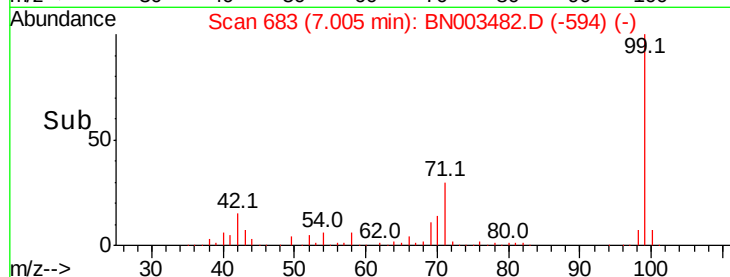
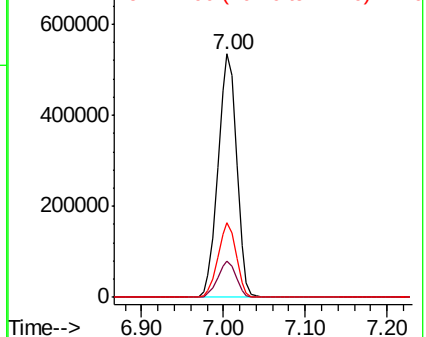
99 100

42 14.7 13.0 19.6

71 30.5 24.5 36.7



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: 7.050 ng

RT: 7.03 min Scan# 687

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

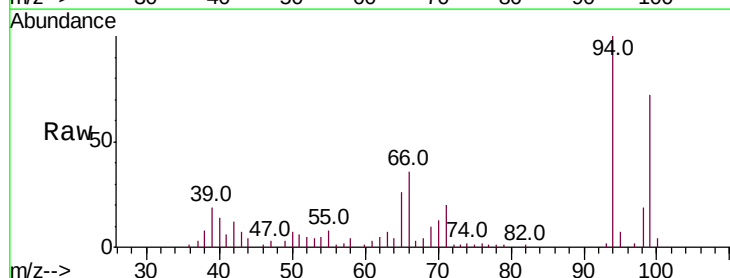
Tgt Ion: 94 Resp: 59731

Ion Ratio Lower Upper

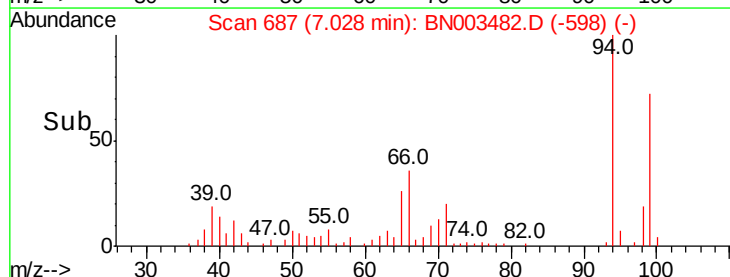
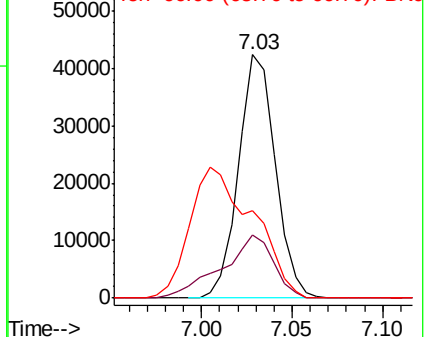
94 100

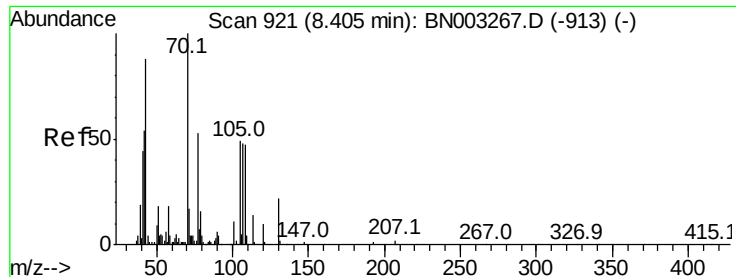
65 25.8 7.7 47.7

66 36.2 15.8 55.8



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





#19

n-Nitroso-di-n-propylamine

Concen: 10.695 ng

RT: 9.02 min Scan# 1025

Delta R.T. 0.36 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Instrument :

BNA\_N

ClientSampleId :

EP2-SB-108(14-16)

Tot Ion: 70 Resp: 61917

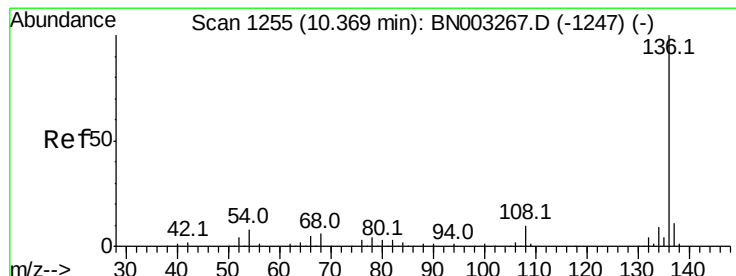
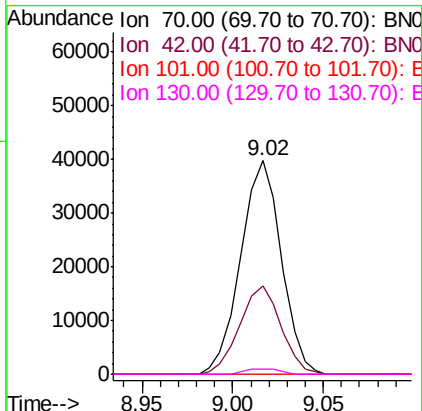
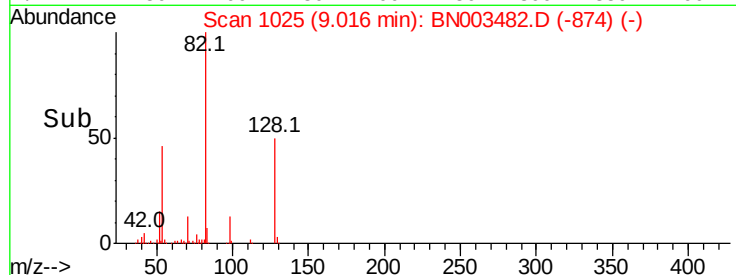
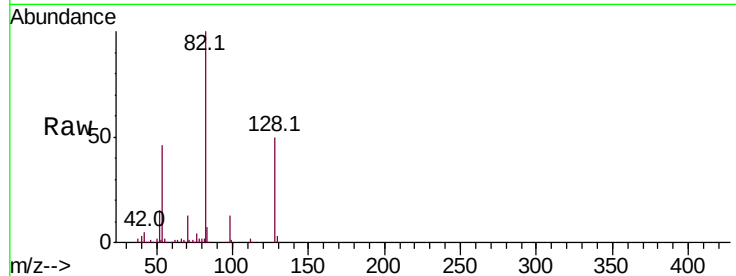
Ion Ratio Lower Upper

70 100

42 41.5 43.5 65.3#

101 0.0 8.6 12.8#

130 2.4 18.0 27.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.65 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Tgt Ion: 136 Resp: 428673

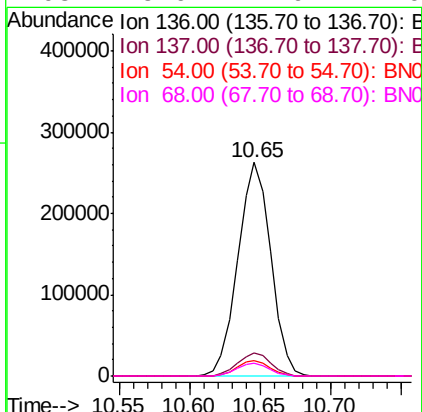
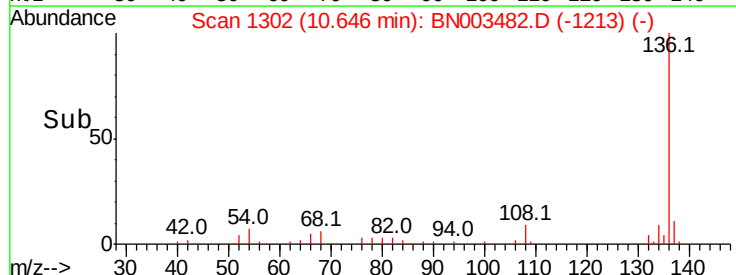
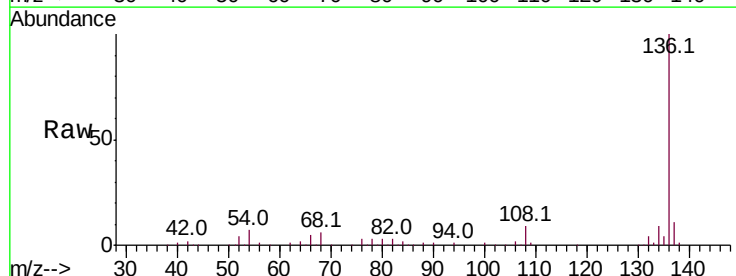
Ion Ratio Lower Upper

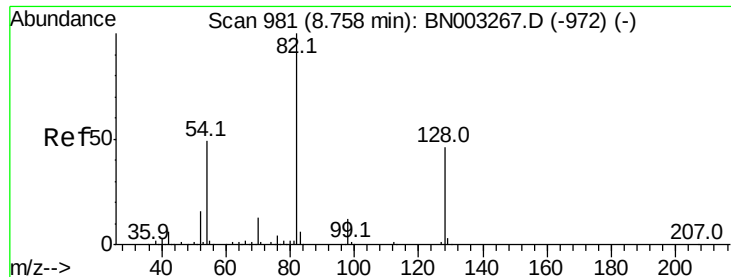
136 100

137 10.8 8.7 13.1

54 7.2 6.6 10.0

68 5.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 64.845 ng

RT: 9.02 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Instrument :

BNA\_N

ClientSampleId :

EP2-SB-108(14-16)

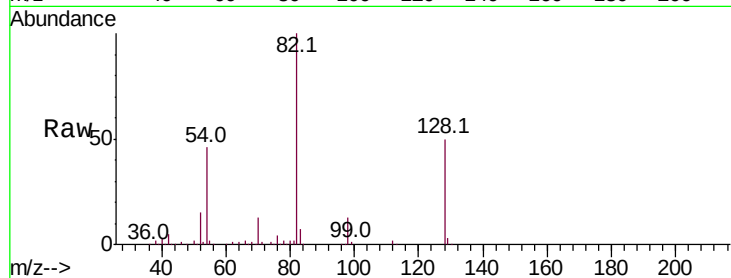
Tot Ion: 82 Resp: 484702

Ion Ratio Lower Upper

82 100

128 50.2 37.1 55.7

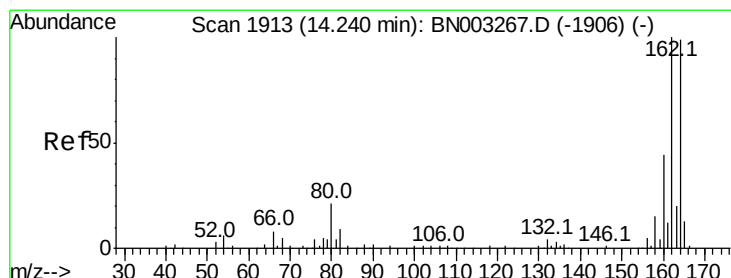
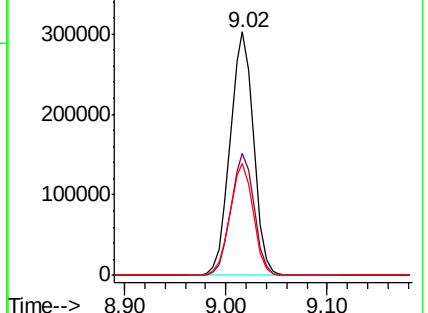
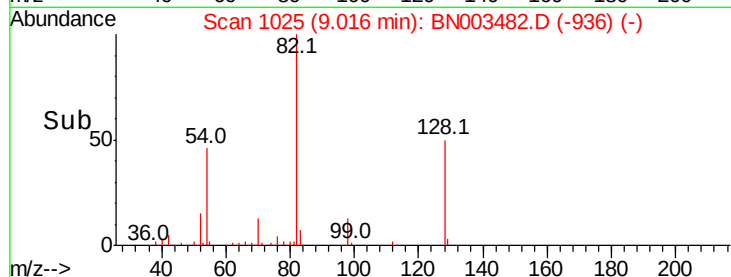
54 45.7 39.4 59.2



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.49 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

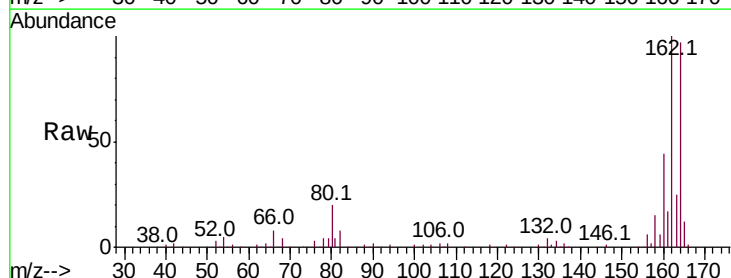
Tgt Ion:164 Resp: 250898

Ion Ratio Lower Upper

164 100

162 103.4 80.8 121.2

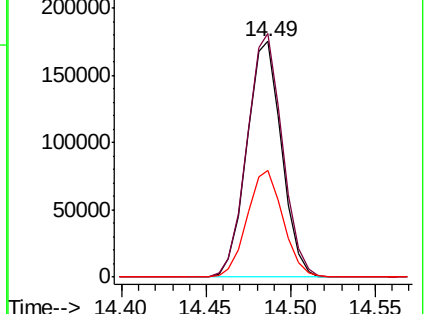
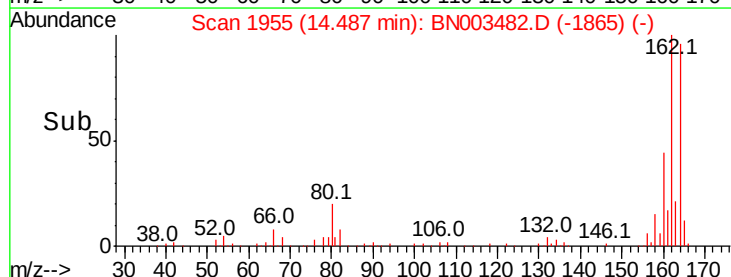
160 45.5 35.5 53.3

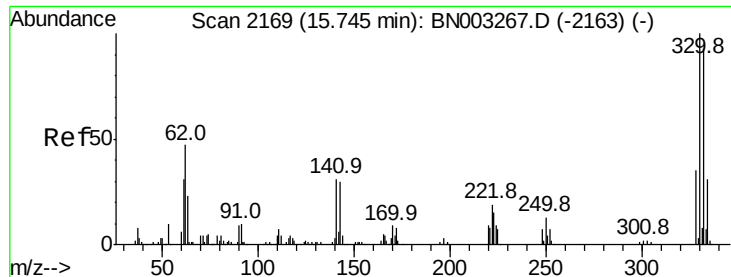


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

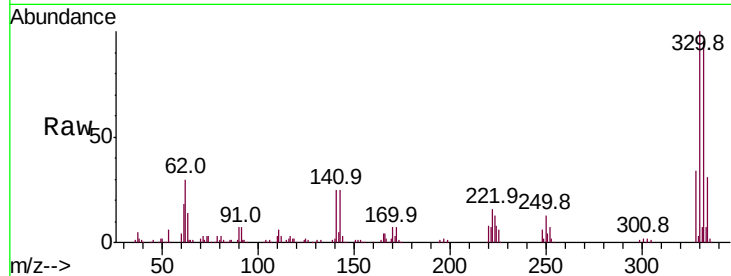




#42  
 2,4,6-Tribromophenol  
 Concen: 119.660 ng  
 RT: 15.97 min Scan# 2208  
 Delta R.T. -0.01 min  
 Lab File: BN003482.D  
 Acq: 09 Nov 2018 21:07

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EP2-SB-108(14-16)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.6  | 114.8 |
| 141     | 27.2  | 24.5  | 36.7  |

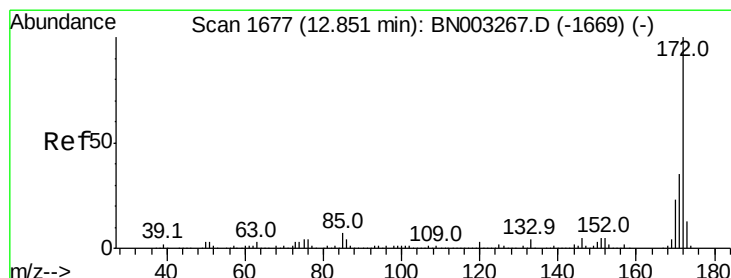
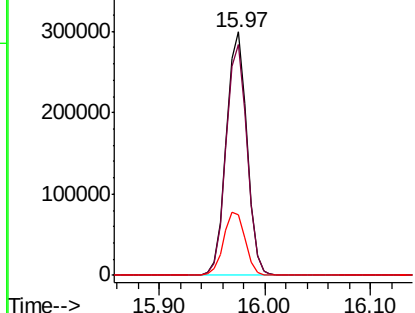
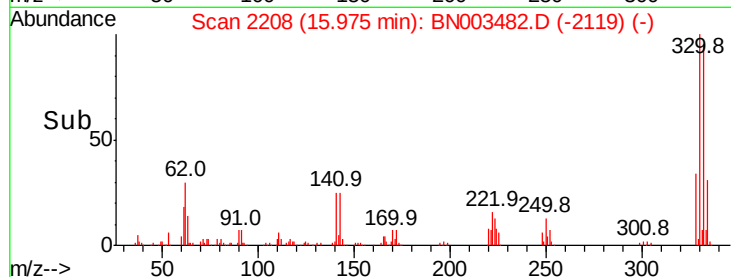


Abundance

Ion 329.80 (329.50 to 330.50): E

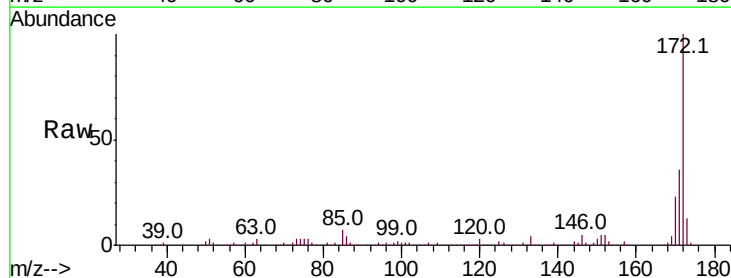
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 73.387 ng  
 RT: 13.10 min Scan# 1720  
 Delta R.T. -0.01 min  
 Lab File: BN003482.D  
 Acq: 09 Nov 2018 21:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 28.2  | 42.4  |
| 170     | 23.3  | 18.4  | 27.6  |

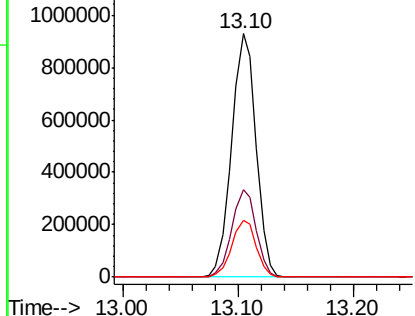
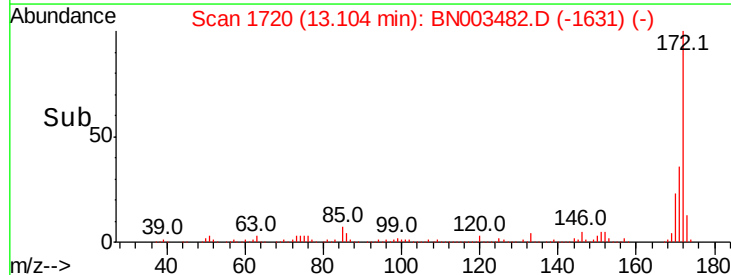


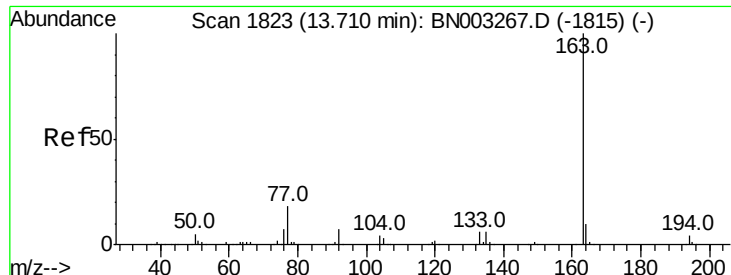
Abundance

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: 10.522 ng

RT: 13.93 min Scan# 1861

Delta R.T. -0.02 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Instrument :

BNA\_N

ClientSampleId :

EP2-SB-108(14-16)

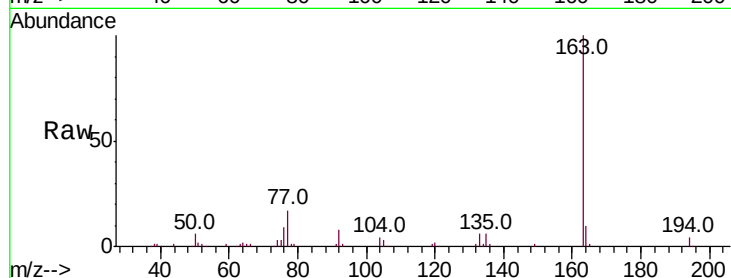
Tot Ion:163 Resp: 213453

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

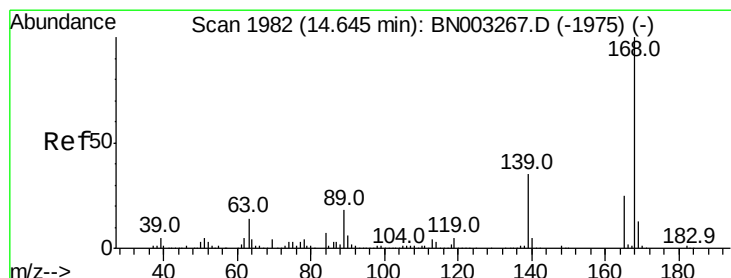
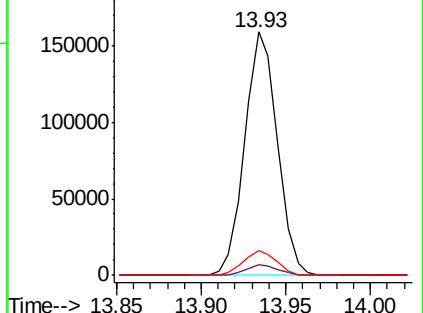
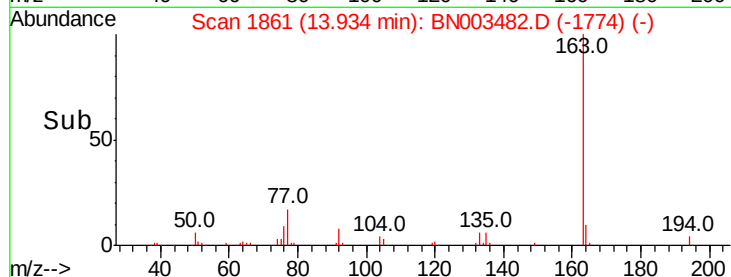
164 10.4 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 5.163 ng

RT: 14.49 min Scan# 1955

Delta R.T. -0.37 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Tgt Ion:165 Resp: 32234

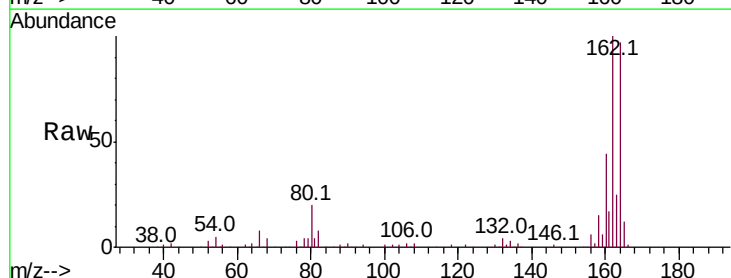
Ion Ratio Lower Upper

165 100

63 1.4 45.8 68.6#

89 1.4 58.7 88.1#

182 0.0 2.3 3.5#

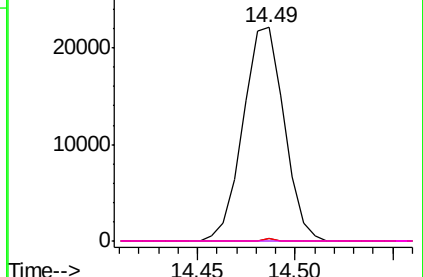
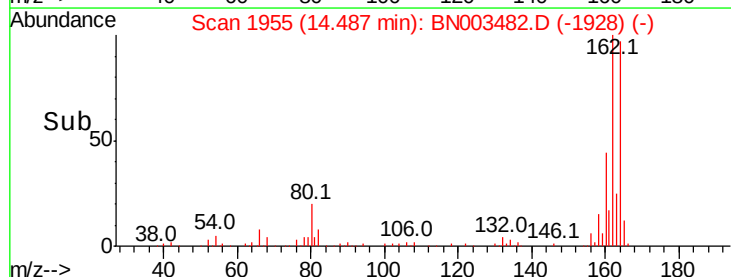


Abundance Ion 165.00 (164.70 to 165.70): E

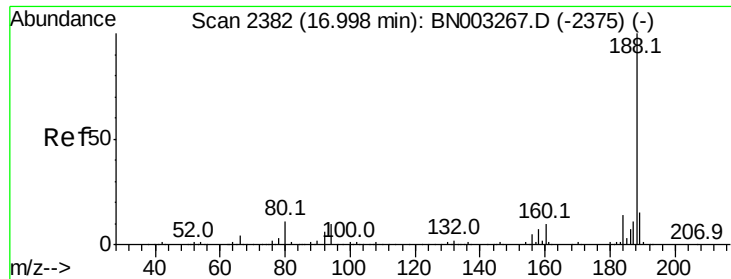
Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC

Ion 182.00 (181.70 to 182.70): E







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.23 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Instrument :

BNA\_N

ClientSampleId :

EP2-SB-108(14-16)

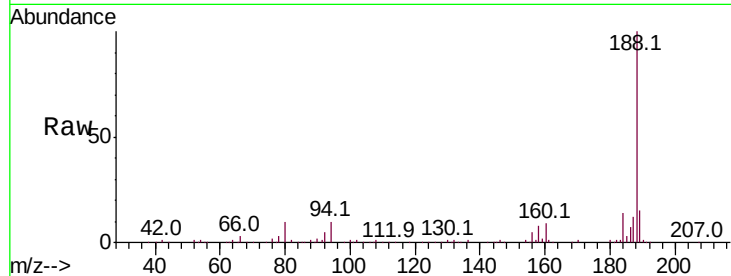
Tot Ion:188 Resp: 539447

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

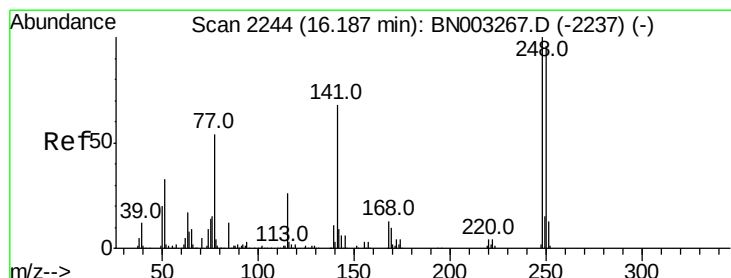
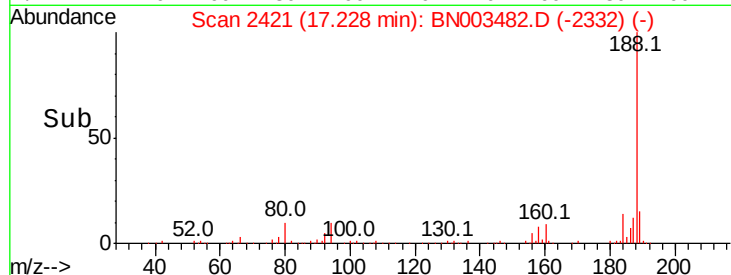
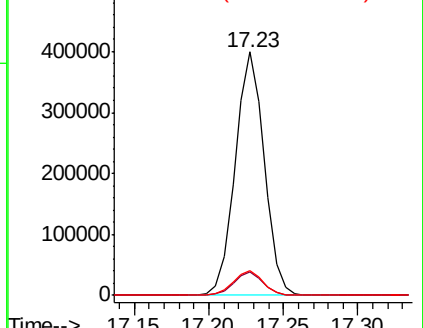
80 10.3 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#67

4-Bromophenyl-phenylether

Concen: 4.221 ng

RT: 15.97 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

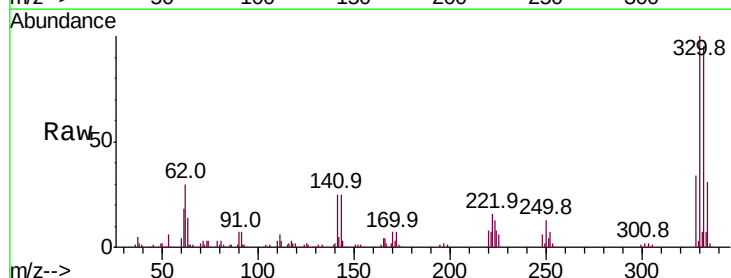
Tgt Ion:248 Resp: 25644

Ion Ratio Lower Upper

248 100

250 204.1 76.4 114.6#

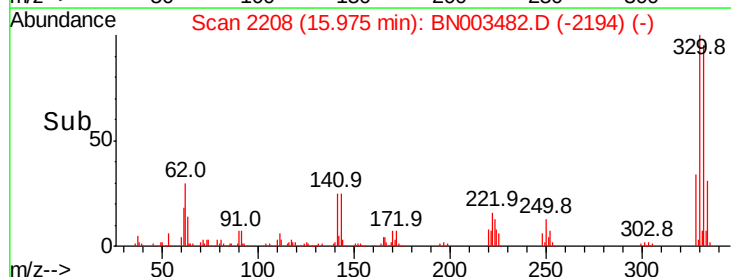
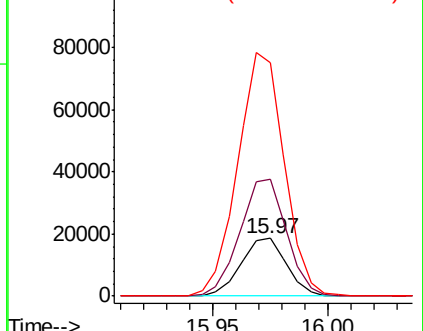
141 406.4 54.2 81.4#

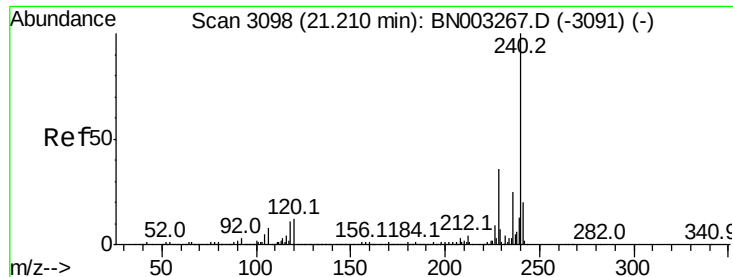


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

Instrument :

BNA\_N

ClientSampleId :

EP2-SB-108(14-16)

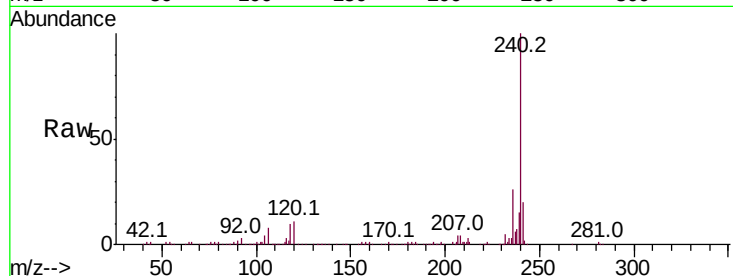
Tot Ion:240 Resp: 436056

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.0

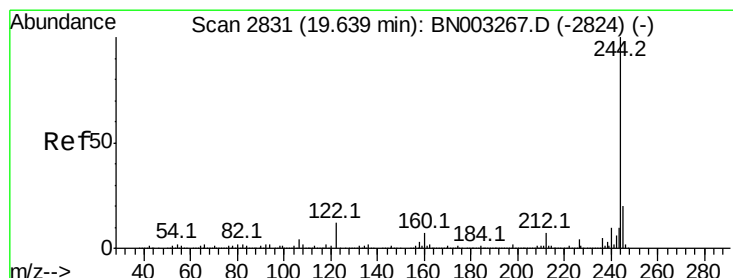
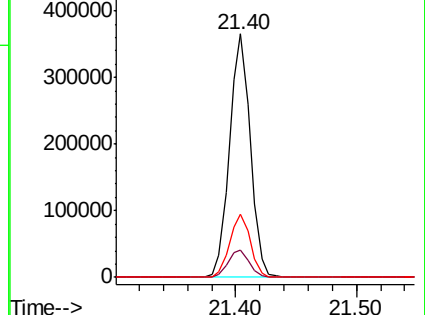
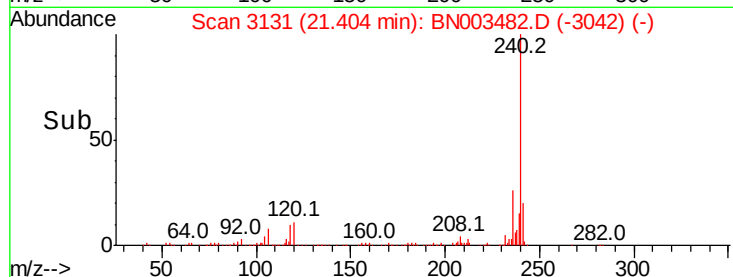
236 26.0 20.3 30.5



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: 86.732 ng

RT: 19.85 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BN003482.D

Acq: 09 Nov 2018 21:07

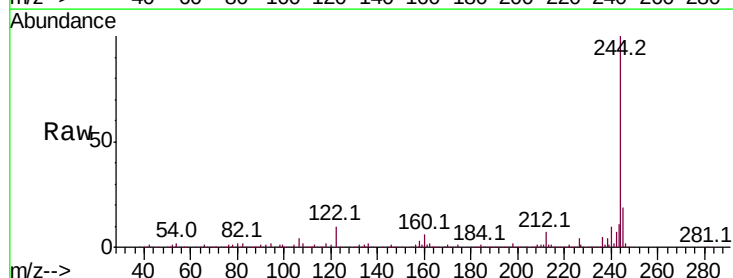
Tgt Ion:244 Resp: 1768494

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

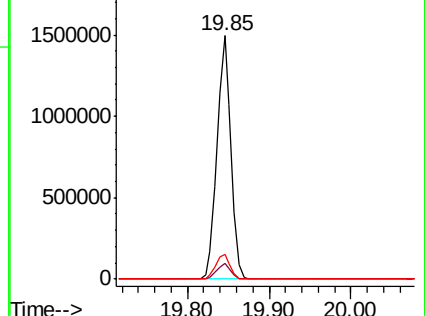
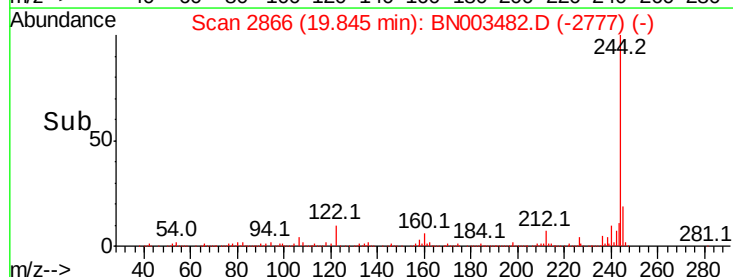
122 10.3 9.4 14.2

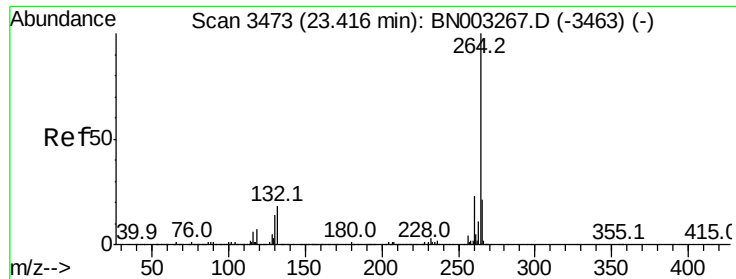


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

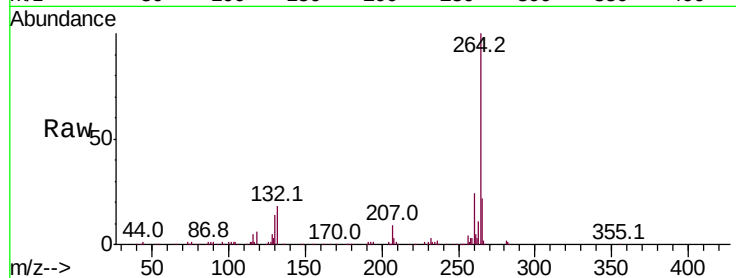




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.72 min Scan# 3524  
Delta R.T. -0.01 min  
Lab File: BN003482.D  
Acq: 09 Nov 2018 21:07

Instrument :  
BNA\_N  
ClientSampleId :  
EP2-SB-108(14-16)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 18.5  | 27.7  |
| 265     | 21.7  | 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

