

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN032719\  
 Data File : BN005008.D  
 Acq On : 27 Mar 2019 23:25  
 Operator : JU/SJ  
 Sample : K2093-17  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 30092-30093-5

Quant Time: Mar 28 04:54:06 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

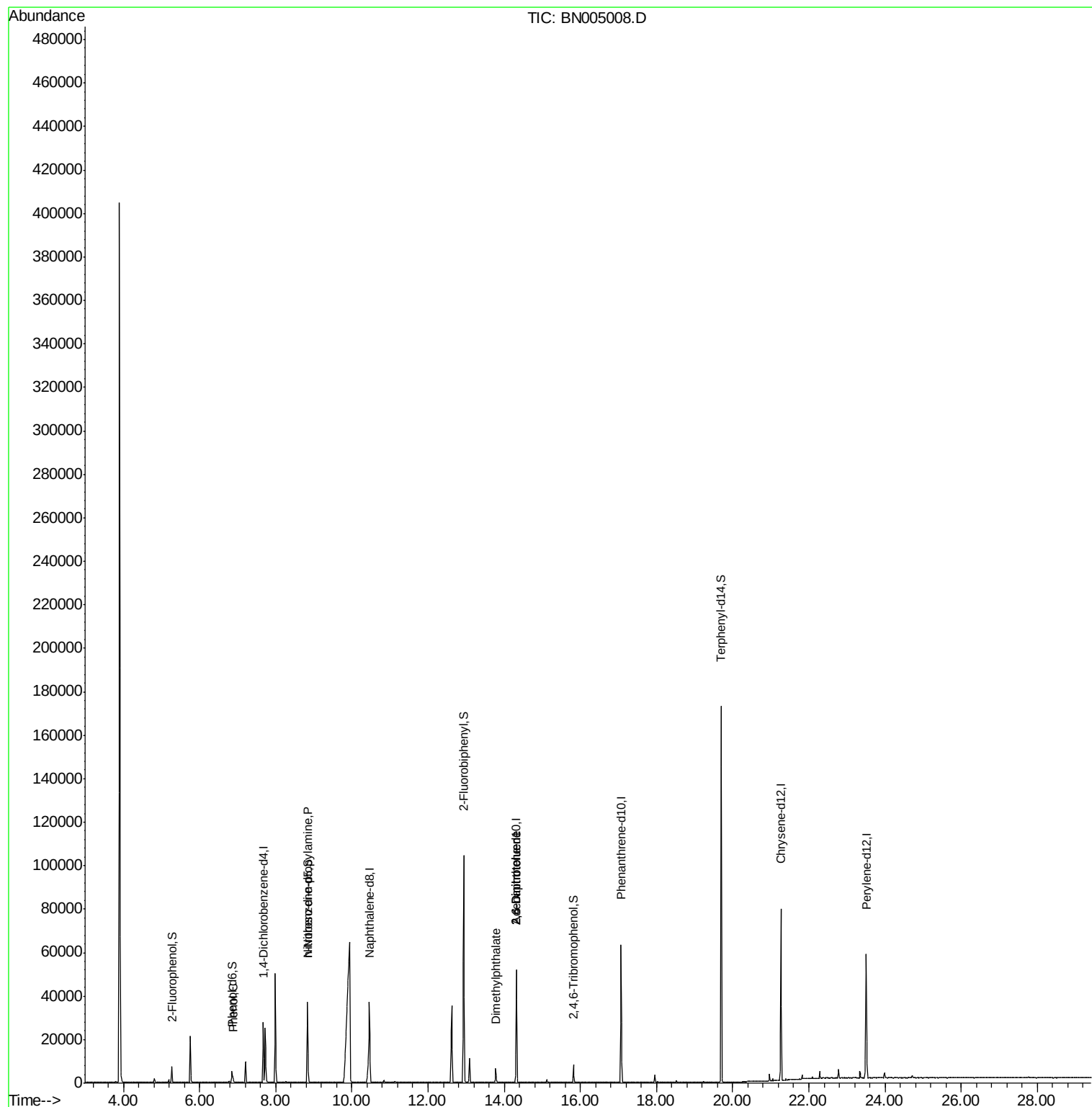
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.68  | 152  | 8555     | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.46 | 136  | 33441    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.32 | 164  | 18312    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.07 | 188  | 39867    | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 21.26 | 240  | 41251    | 20.00 | ng    | -0.01    |
| 87) Perylene-d12               | 23.50 | 264  | 43672    | 20.00 | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.27  | 112  | 4167     | 8.42  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.85  | 99   | 4010     | 6.11  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.83  | 82   | 22864    | 41.36 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 15.82 | 330  | 2698     | 9.14  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.93 | 172  | 58775    | 42.53 | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.70 | 244  | 84293    | 39.34 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 10) Phenol                     | 6.88  | 94   | 2076     | 2.952 | ng    | 99       |
| 19) n-Nitroso-di-n-propylamine | 8.84  | 70   | 2719     | 6.320 | ng    | # 75     |
| 50) Dimethylphthalate          | 13.78 | 163  | 5694     | 3.785 | ng    | # 95     |
| 51) 2,6-Dinitrotoluene         | 14.32 | 165  | 2243     | 6.552 | ng    | # 29     |
| 57) 2,4-Dinitrotoluene         | 14.32 | 165  | 2243     | 4.821 | ng    | # 27     |

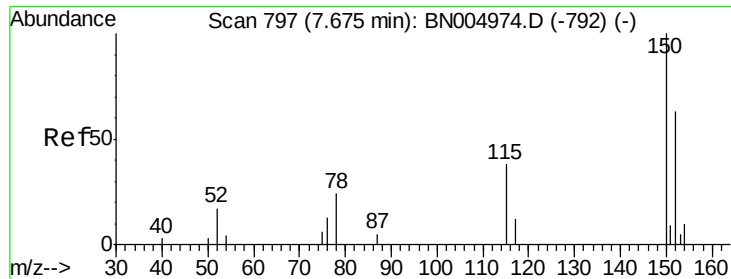
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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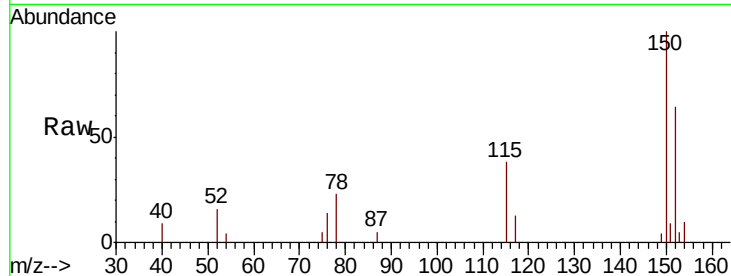




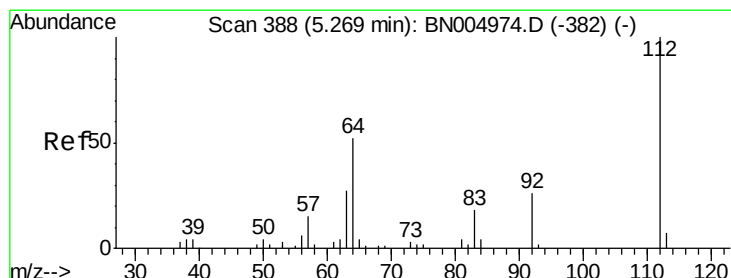
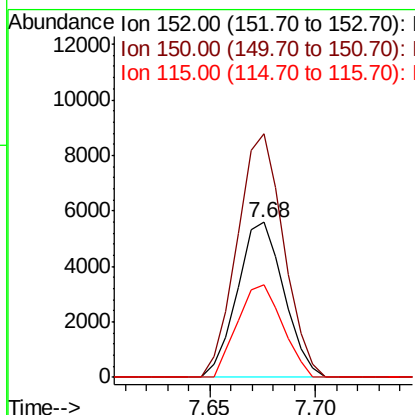
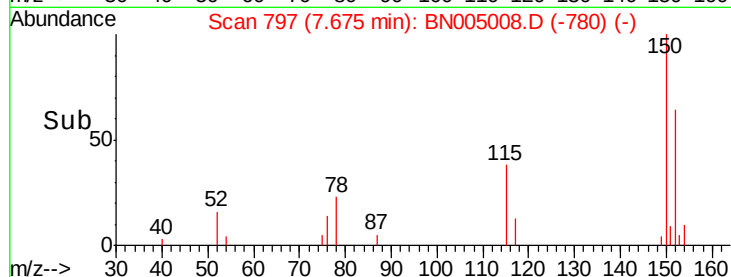
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.68 min Scan# 797  
 Delta R.T. 0.00 min  
 Lab File: BN005008.D  
 Acq: 27 Mar 2019 23:25

Instrument :  
 BNA\_N  
 ClientSampleId :  
 30092-30093-5

Tgt Ion:152 Resp: 8555  
 Ion Ratio Lower Upper  
 152 100  
 150 156.8 126.9 190.3  
 115 59.5 47.8 71.6

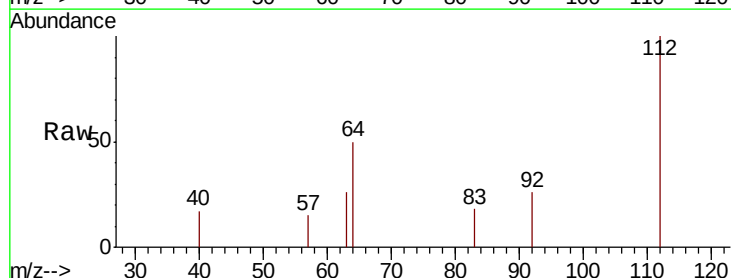


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

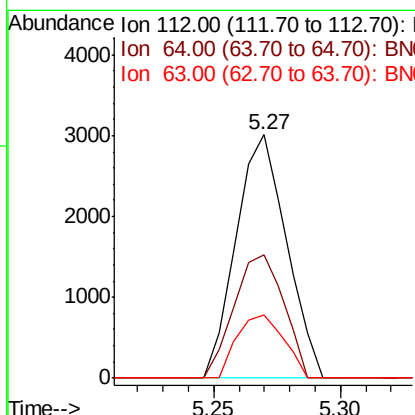
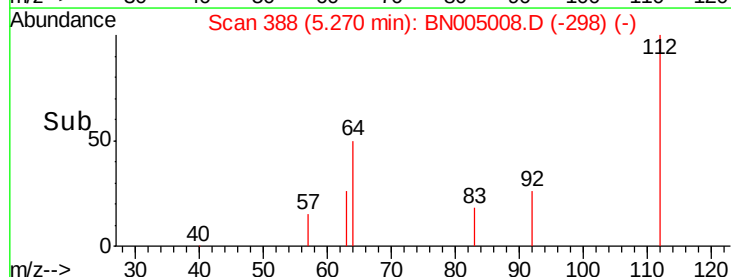


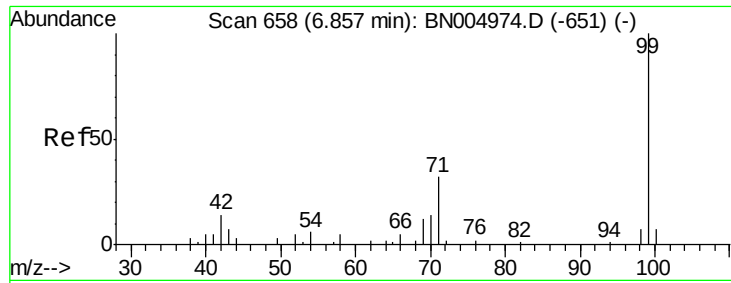
#5  
 2-Fluorophenol  
 Concen: 8.421 ng  
 RT: 5.27 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: BN005008.D  
 Acq: 27 Mar 2019 23:25

Tgt Ion:112 Resp: 4167  
 Ion Ratio Lower Upper  
 112 100  
 64 50.4 41.9 62.9  
 63 25.8 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: 6.110 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

Instrument :

BNA\_N

ClientSampleId :

30092-30093-5

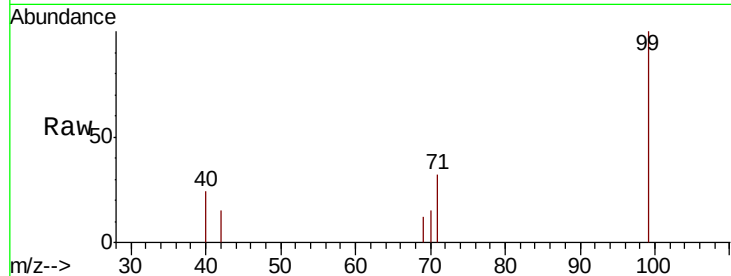
Tgt Ion: 99 Resp: 4010

Ion Ratio Lower Upper

99 100

42 14.8 11.4 17.0

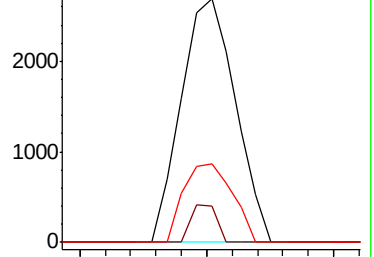
71 32.0 25.8 38.8



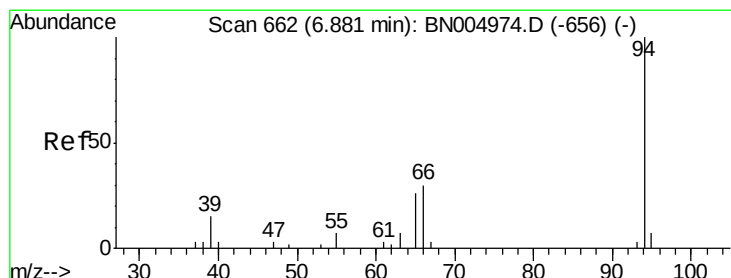
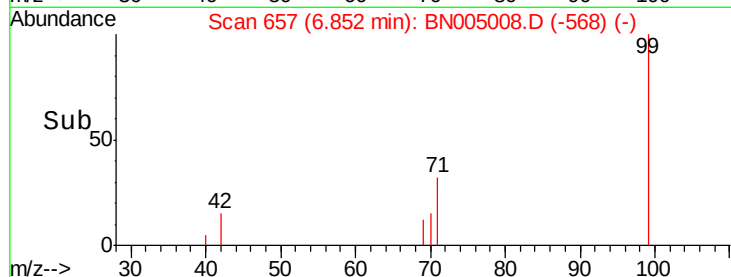
Abundance Ion 99.00 (98.70 to 99.70): BN004974.D (-651) (-)

Ion 42.00 (41.70 to 42.70): BN004974.D (-651) (-)

Ion 71.00 (70.70 to 71.70): BN004974.D (-651) (-)



Time-->



#10

Phenol

Concen: 2.952 ng

RT: 6.88 min Scan# 661

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

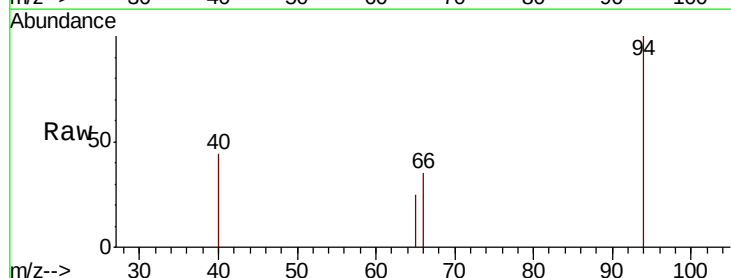
Tgt Ion: 94 Resp: 2076

Ion Ratio Lower Upper

94 100

65 25.4 5.7 45.7

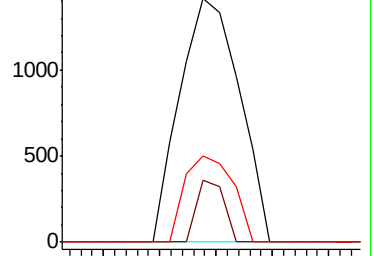
66 35.4 14.8 54.8



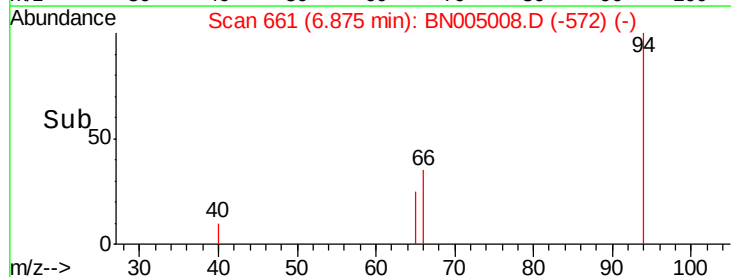
Abundance Ion 94.00 (93.70 to 94.70): BN004974.D (-656) (-)

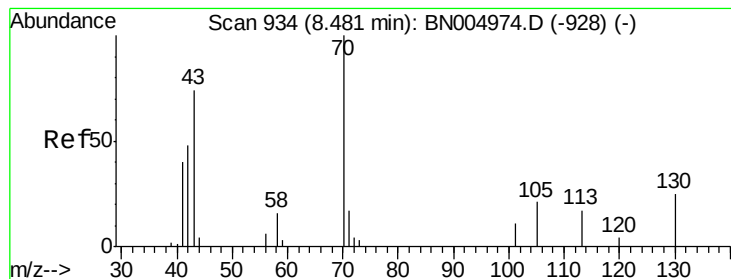
Ion 65.00 (64.70 to 65.70): BN004974.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BN004974.D (-656) (-)



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 6.320 ng

RT: 8.84 min Scan# 995

Delta R.T. 0.36 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

Instrument :

BNA\_N

ClientSampleId :

30092-30093-5

Tgt Ion: 70 Resp: 2719

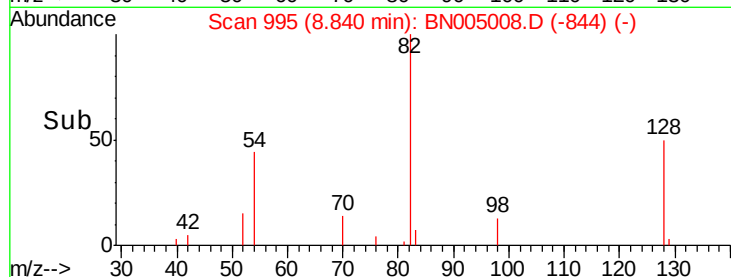
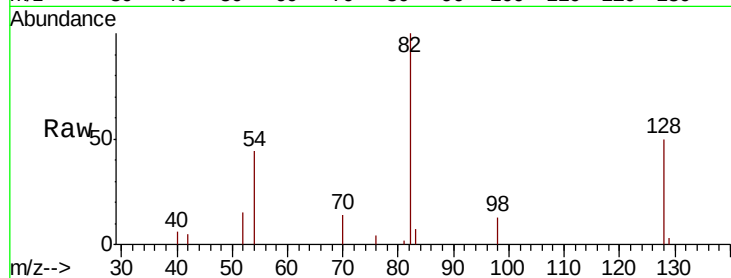
Ion Ratio Lower Upper

70 100

42 39.7 38.4 57.6

101 0.0 8.8 13.2#

130 0.0 19.8 29.8#

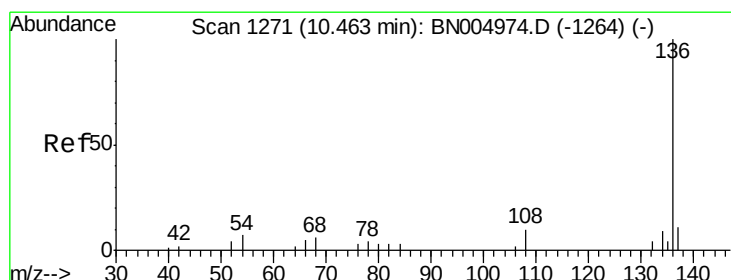
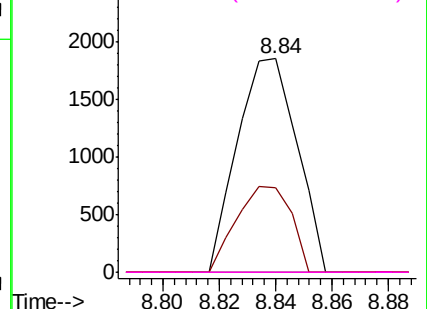


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

Tgt Ion: 136 Resp: 33441

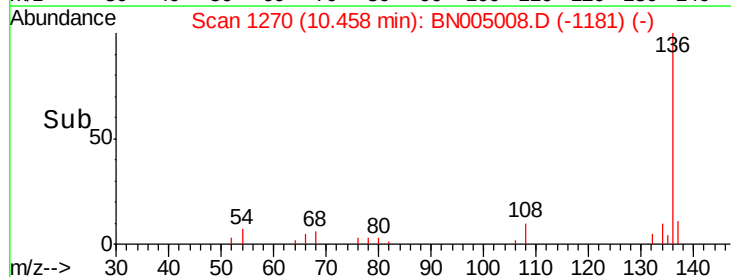
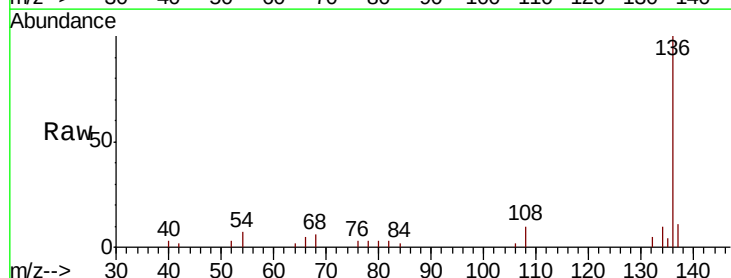
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.8 5.3 7.9

68 5.8 4.6 6.8

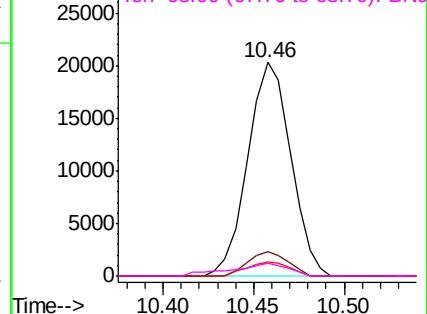


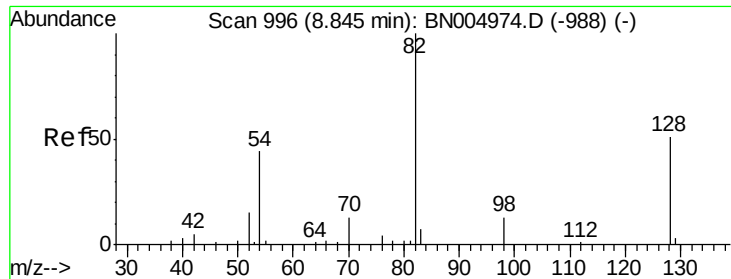
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BN0

Ion 68.00 (67.70 to 68.70): BN0

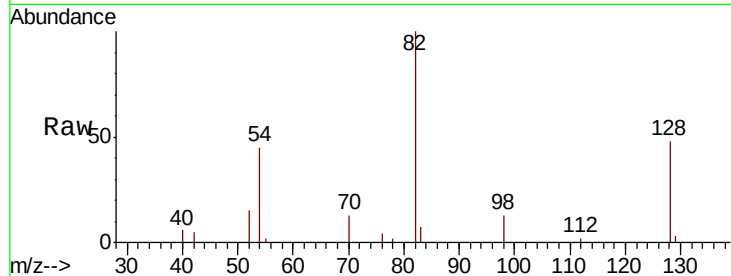




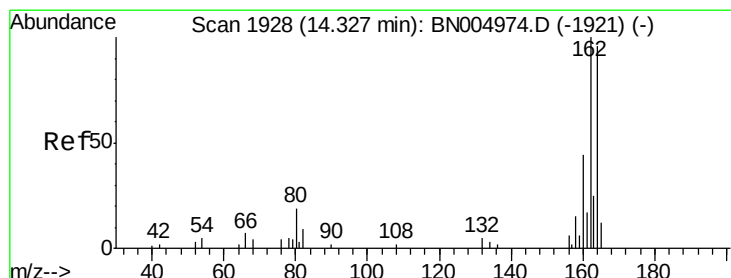
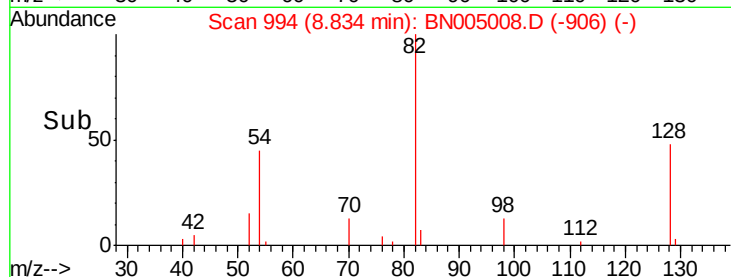
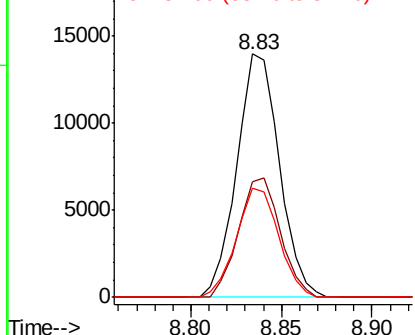
#23  
Nitrobenzene-d5  
Concen: 41.359 ng  
RT: 8.83 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: BN005008.D  
Acq: 27 Mar 2019 23:25

Instrument :  
BNA\_N  
ClientSampleId :  
30092-30093-5

Tgt Ion: 82 Resp: 22864  
Ion Ratio Lower Upper  
82 100  
128 47.7 40.6 60.8  
54 44.9 35.2 52.8

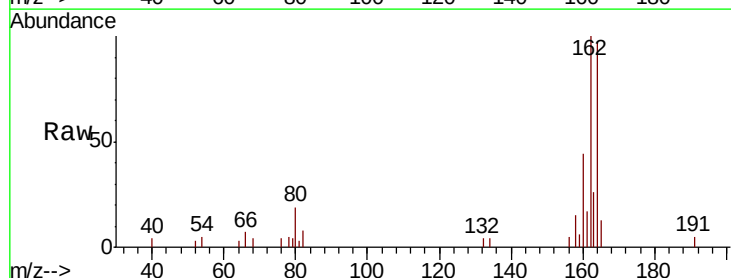


Abundance Ion 82.00 (81.70 to 82.70): BN0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BN0

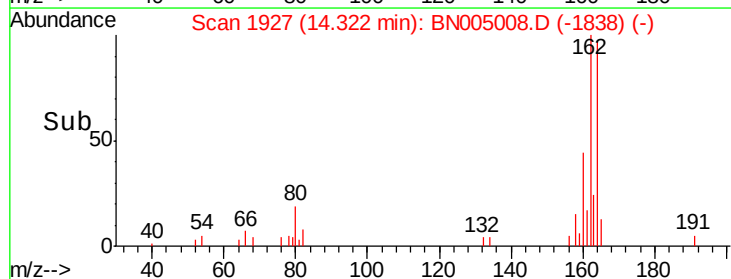
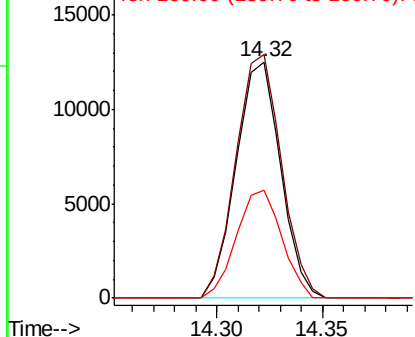


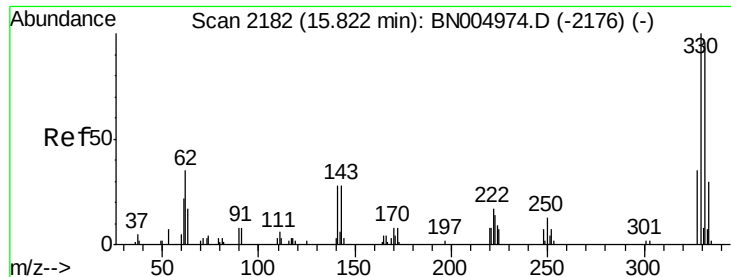
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.32 min Scan# 1927  
Delta R.T. -0.01 min  
Lab File: BN005008.D  
Acq: 27 Mar 2019 23:25

Tgt Ion:164 Resp: 18312  
Ion Ratio Lower Upper  
164 100  
162 103.0 83.4 125.0  
160 45.7 36.6 55.0



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: 9.135 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

Instrument :

BNA\_N

ClientSampleId :

30092-30093-5

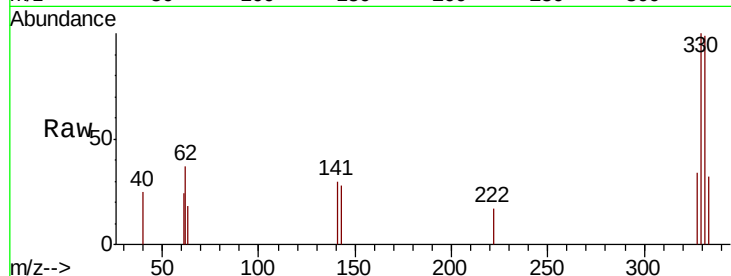
Tgt Ion:330 Resp: 2698

Ion Ratio Lower Upper

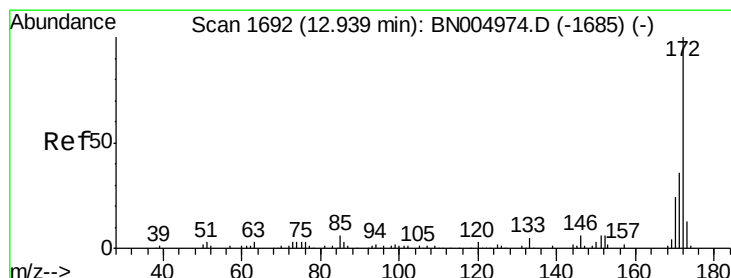
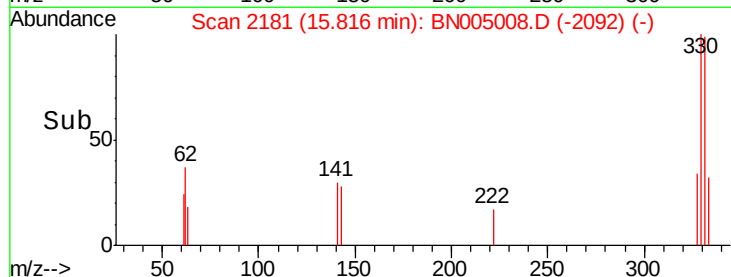
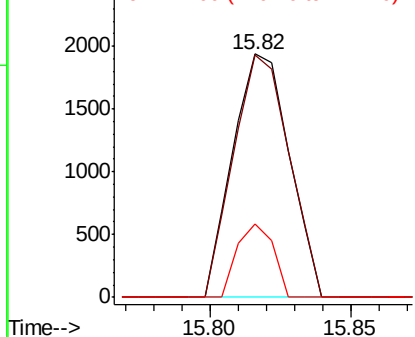
330 100

332 98.0 77.4 116.0

141 19.2 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: 42.532 ng

RT: 12.93 min Scan# 1691

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

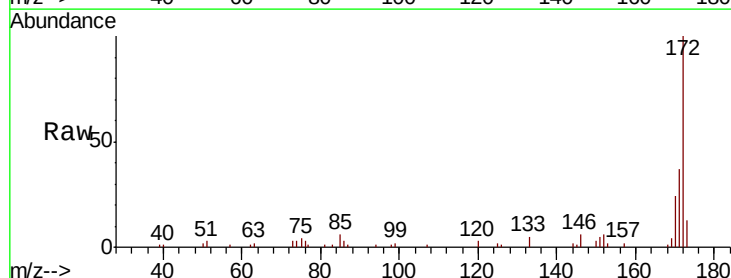
Tgt Ion:172 Resp: 58775

Ion Ratio Lower Upper

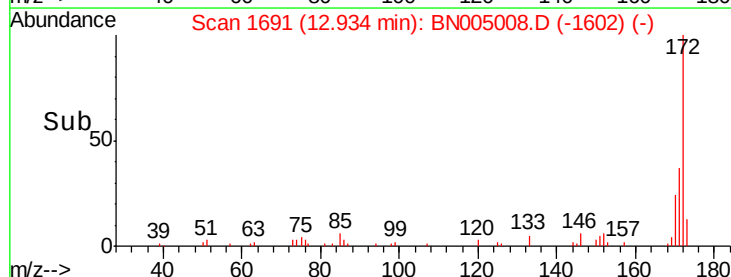
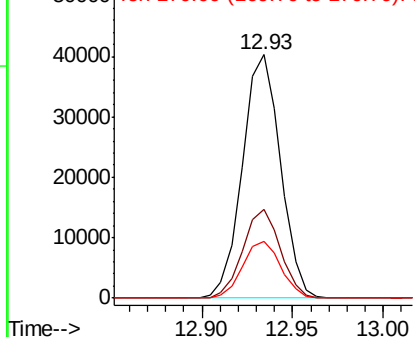
172 100

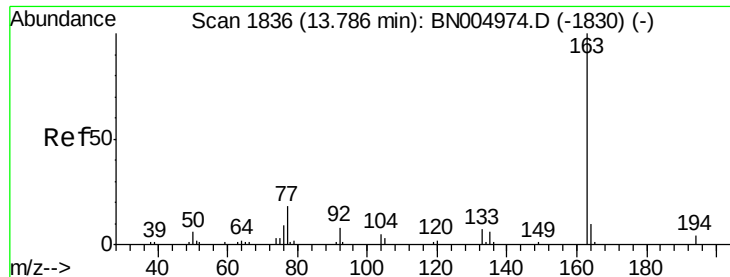
171 36.6 28.6 42.8

170 23.6 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: 3.785 ng

RT: 13.78 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

Instrument :

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ClientSampleId :

30092-30093-5

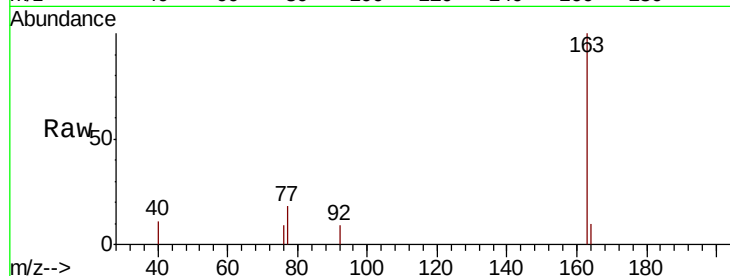
Tgt Ion:163 Resp: 5694

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

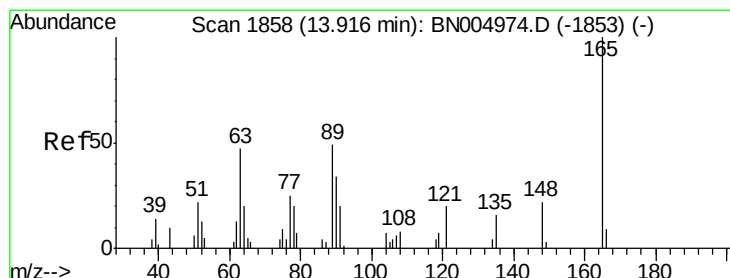
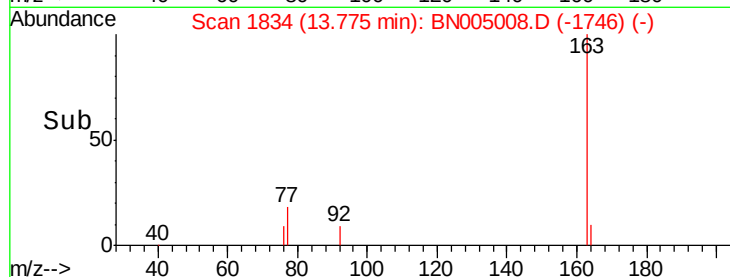
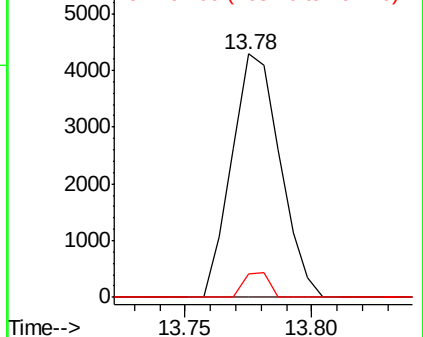
164 9.7 8.3 12.5



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



#51

2,6-Dinitrotoluene

Concen: 6.552 ng

RT: 14.32 min Scan# 1927

Delta R.T. 0.41 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

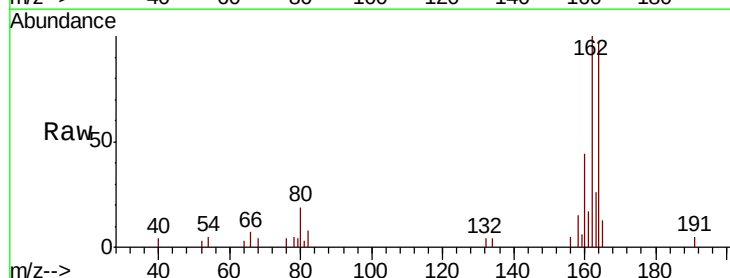
Tgt Ion:165 Resp: 2243

Ion Ratio Lower Upper

165 100

63 0.0 37.3 55.9#

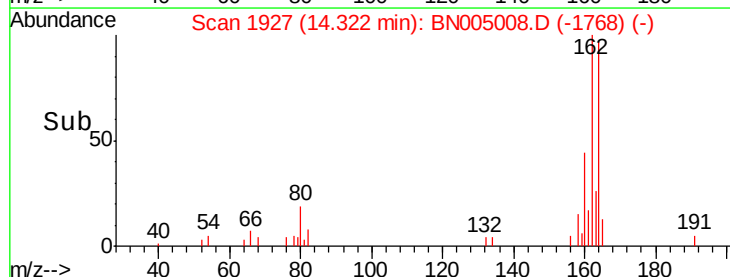
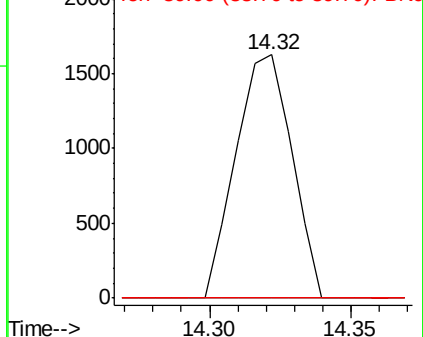
89 0.0 39.2 58.8#



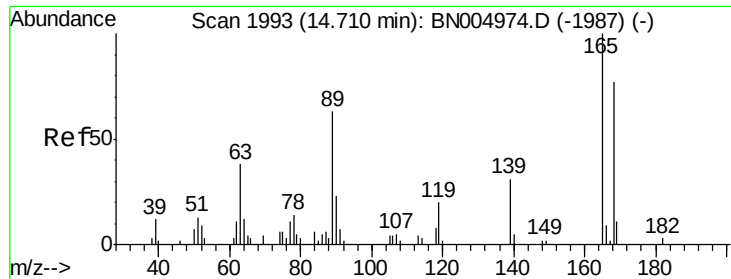
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BNC

Ion 89.00 (88.70 to 89.70): BNC



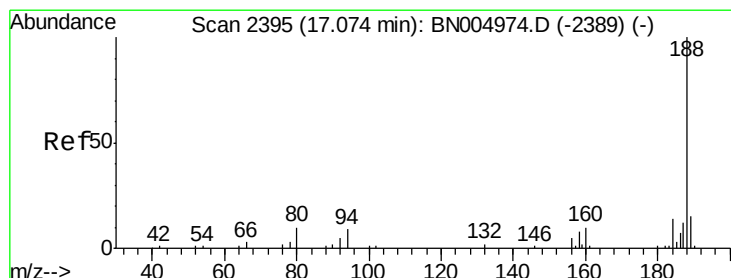
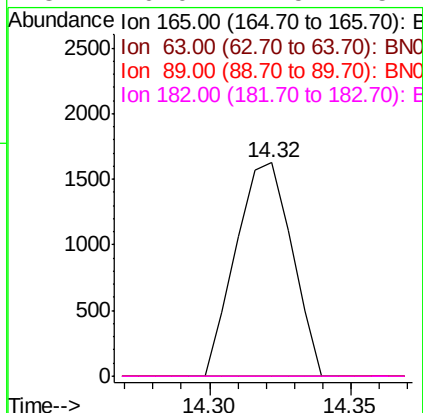
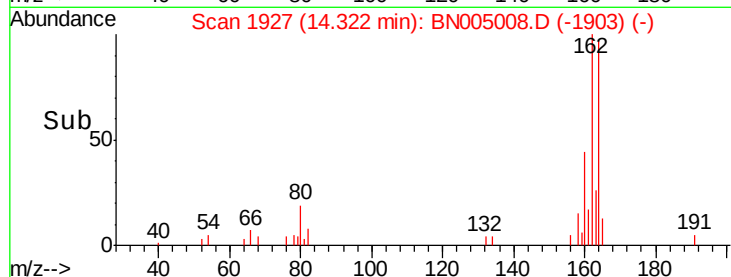
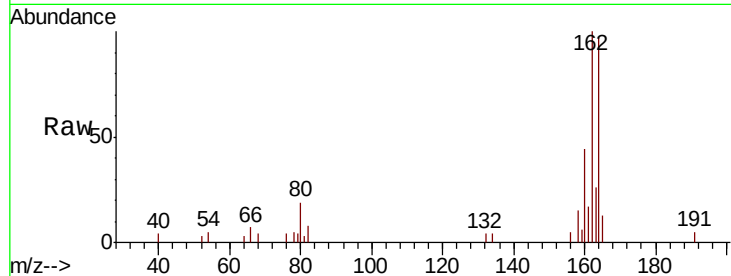




#57  
 2,4-Dinitrotoluene  
 Concen: 4.821 ng  
 RT: 14.32 min Scan# 1927  
 Delta R.T. -0.39 min  
 Lab File: BN005008.D  
 Acq: 27 Mar 2019 23:25

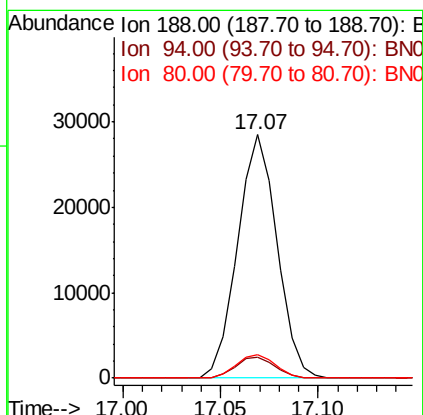
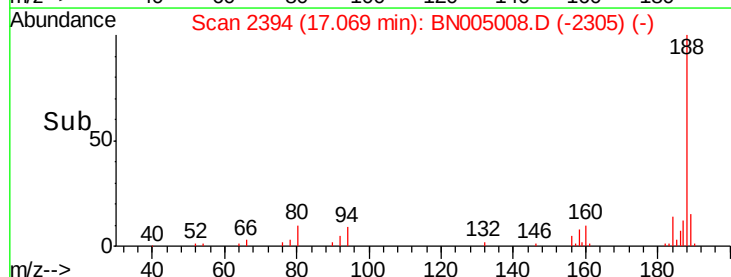
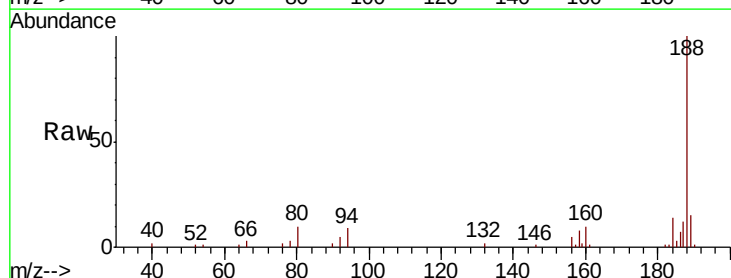
Instrument :  
 BNA\_N  
 ClientSampleId :  
 30092-30093-5

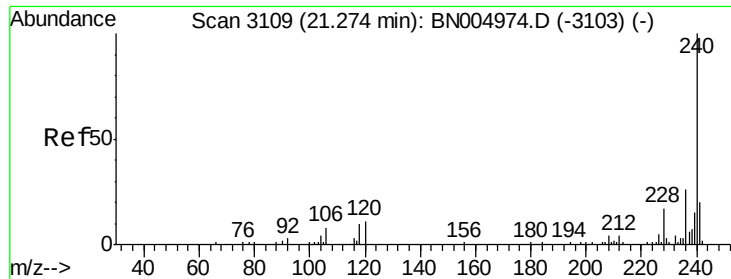
Tgt Ion:165 Resp: 2243  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 30.4 45.6#  
 89 0.0 50.7 76.1#  
 182 0.0 2.5 3.7#



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.07 min Scan# 2394  
 Delta R.T. -0.01 min  
 Lab File: BN005008.D  
 Acq: 27 Mar 2019 23:25

Tgt Ion:188 Resp: 39867  
 Ion Ratio Lower Upper  
 188 100  
 94 8.8 7.2 10.8  
 80 9.5 7.8 11.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

Instrument :

BNA\_N

ClientSampleId :

30092-30093-5

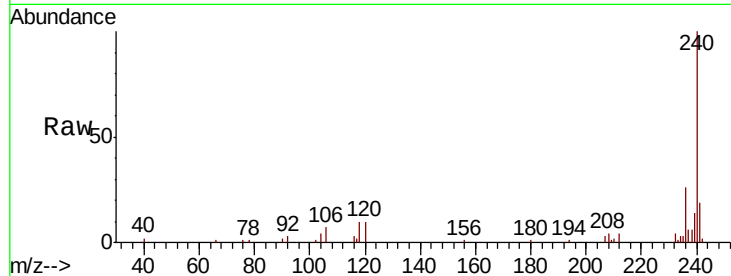
Tgt Ion:240 Resp: 41251

Ion Ratio Lower Upper

240 100

120 10.2 8.5 12.7

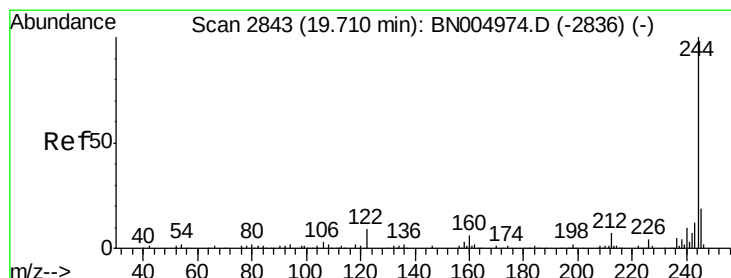
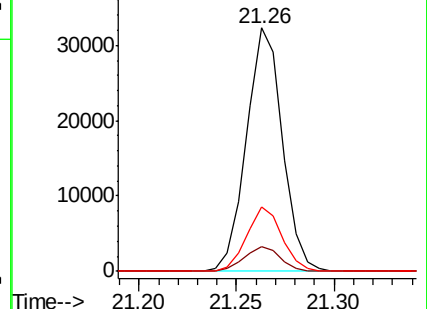
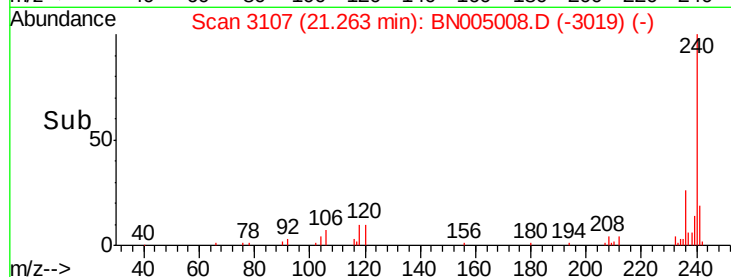
236 26.4 21.2 31.8



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: 39.341 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BN005008.D

Acq: 27 Mar 2019 23:25

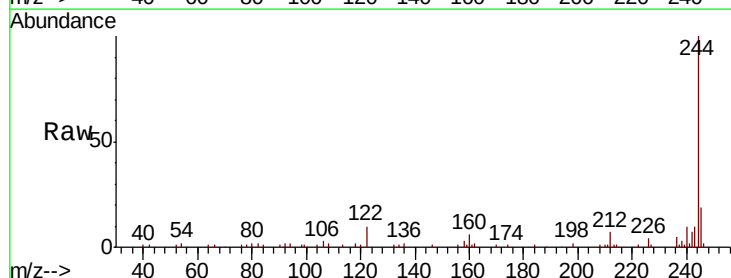
Tgt Ion:244 Resp: 84293

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

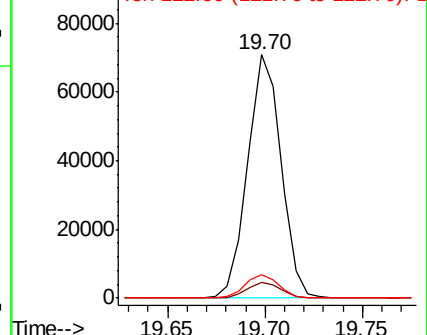
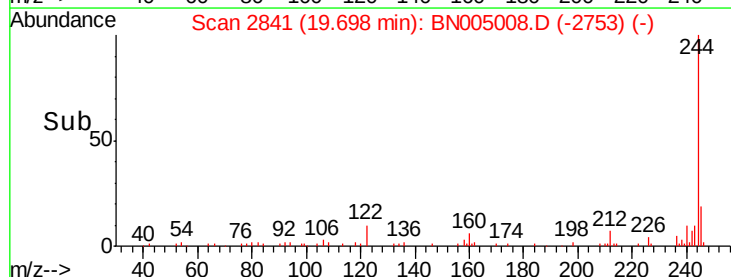
122 9.8 7.4 11.2

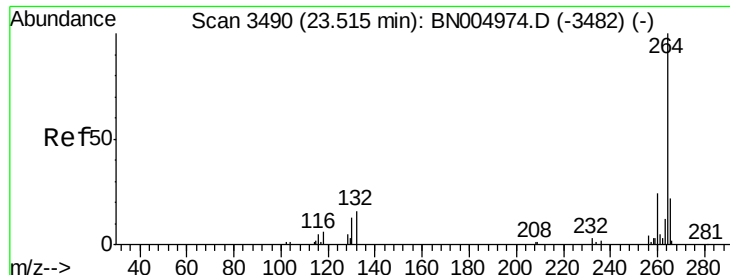


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.50 min Scan# 3488  
Delta R.T. -0.01 min  
Lab File: BN005008.D  
Acq: 27 Mar 2019 23:25

Instrument :  
BNA\_N  
ClientSampleId :  
30092-30093-5

Tgt Ion: 264 Resp: 43672  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.0 28.4  
265 21.4 17.2 25.8

