

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041019\  
 Data File : BN005140.D  
 Acq On : 10 Apr 2019 22:28  
 Operator : JU/SJ  
 Sample : K2203-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SU-04-040919-A

Quant Time: Apr 11 08:49:58 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  | 7865     | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.43 | 136  | 31262    | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.30 | 164  | 17482    | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10        | 17.05 | 188  | 37045    | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.25 | 240  | 32428    | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.48 | 264  | 34101    | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 51856    | 113.99 | ng    | -0.02    |
| 7) Phenol-d6                | 6.83  | 99   | 56572    | 93.76  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 43152    | 83.50  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 39340    | 139.53 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 119433   | 90.53  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.69 | 244  | 175309   | 104.08 | ng    | -0.02    |

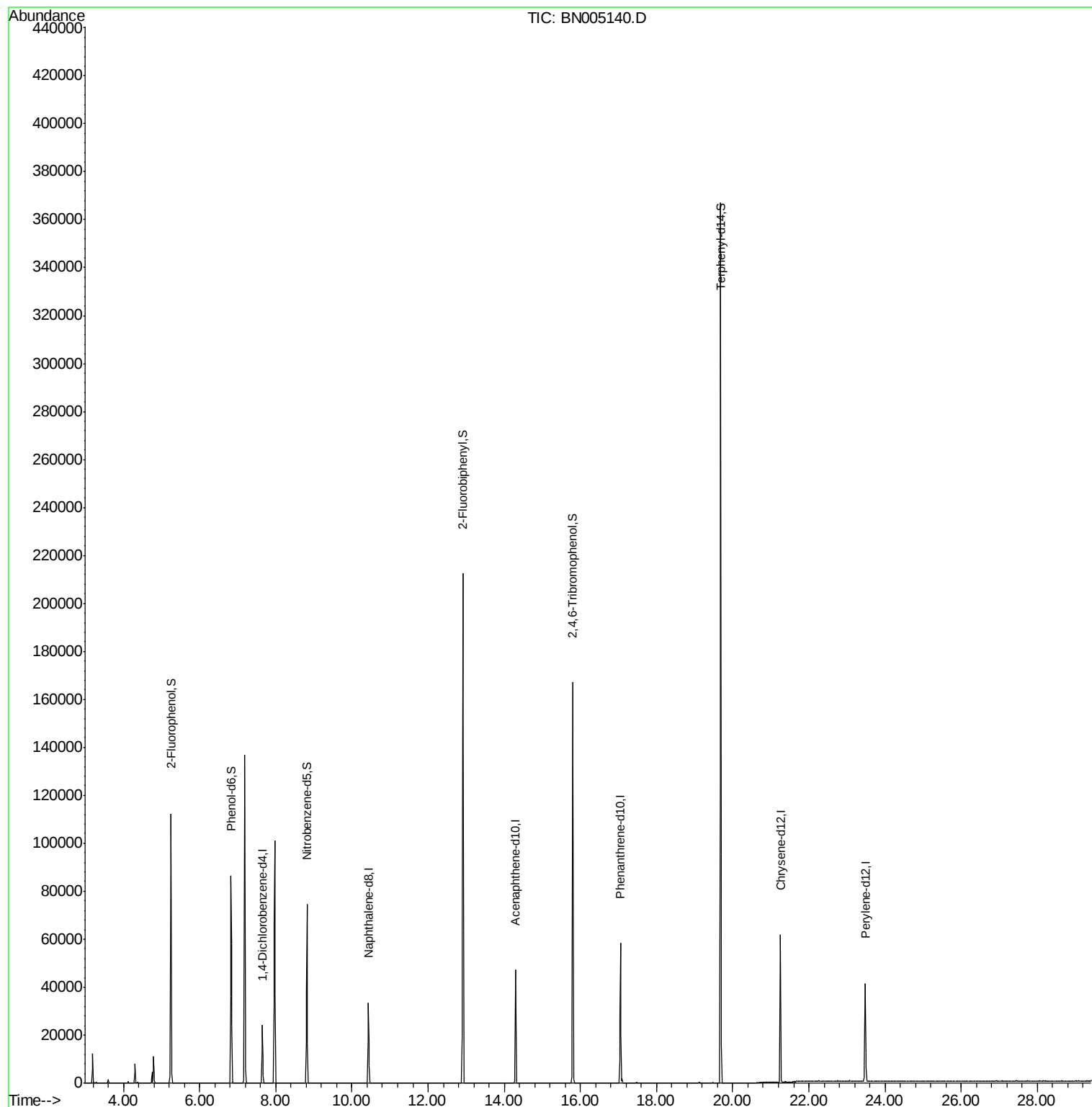
Target Compounds Qvalue

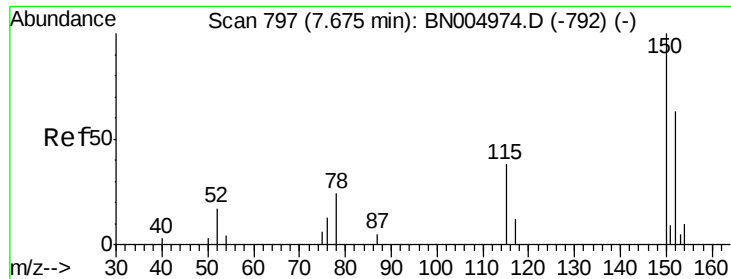
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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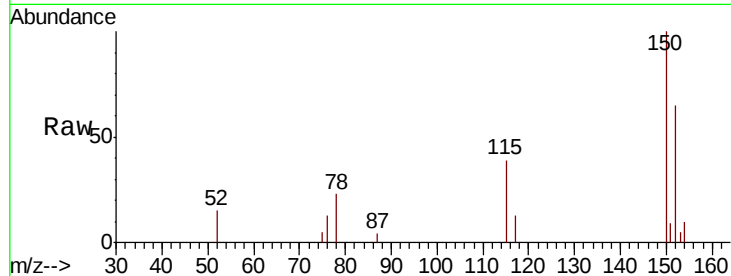


#1

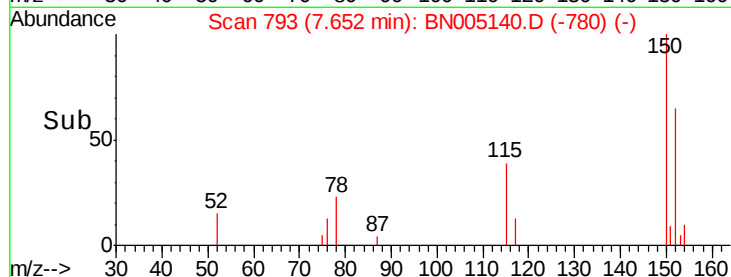
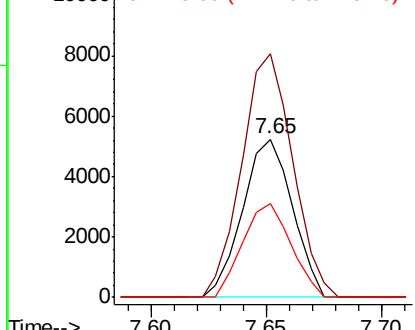
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 793  
Delta R.T. -0.02 min  
Lab File: BN005140.D  
Acq: 10 Apr 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
SU-04-040919-A

Tot Ion:152 Resp: 7865  
Ion Ratio Lower Upper  
152 100  
150 153.8 126.9 190.3  
115 59.4 47.8 71.6



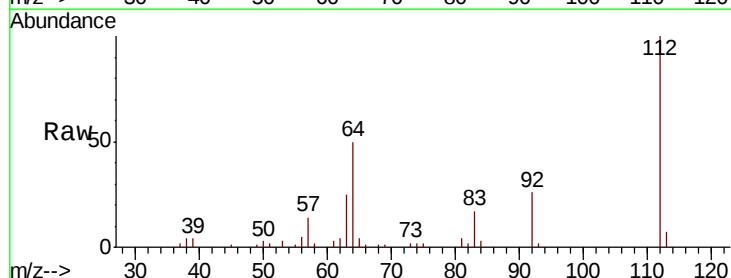
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



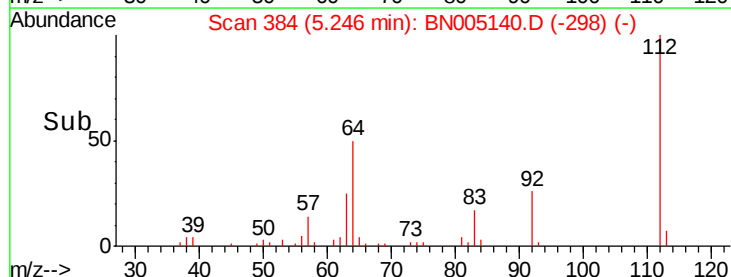
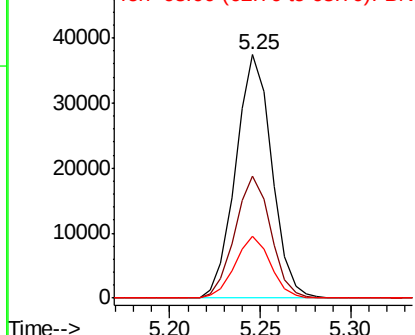
#5

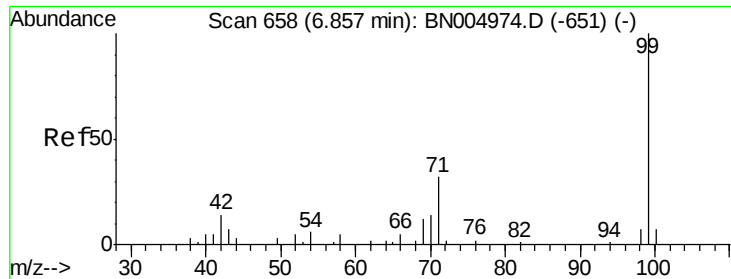
2-Fluorophenol  
Concen: 113.991 ng  
RT: 5.25 min Scan# 384  
Delta R.T. -0.02 min  
Lab File: BN005140.D  
Acq: 10 Apr 2019 22:28

Tgt Ion:112 Resp: 51856  
Ion Ratio Lower Upper  
112 100  
64 50.0 41.9 62.9  
63 25.2 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: 93.760 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BN005140.D

Acq: 10 Apr 2019 22:28

Instrument :

BNA\_N

ClientSampleId :

SU-04-040919-A

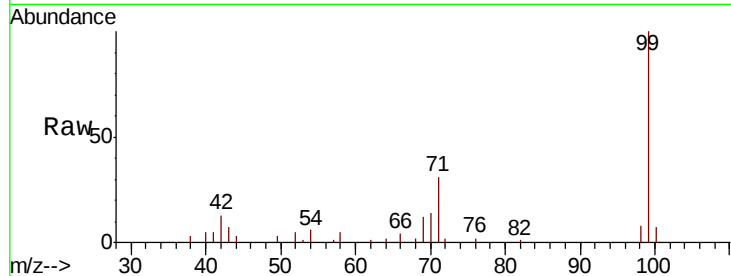
Tot Ion: 99 Resp: 56572

Ion Ratio Lower Upper

99 100

42 13.0 11.4 17.0

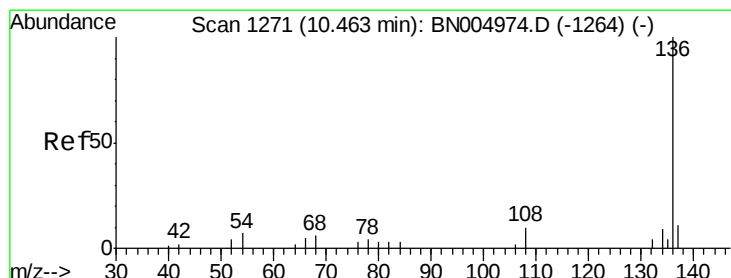
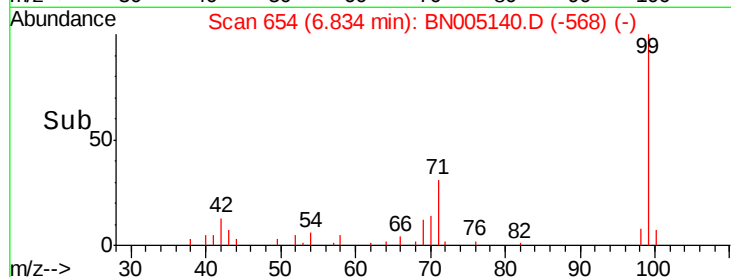
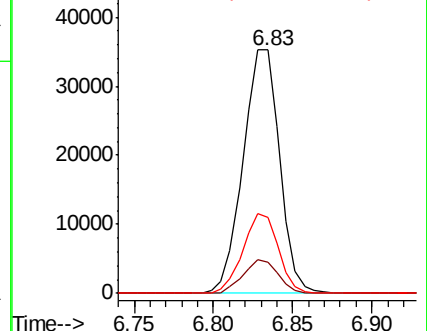
71 31.2 25.8 38.8



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BN005140.D

Acq: 10 Apr 2019 22:28

Tgt Ion: 136 Resp: 31262

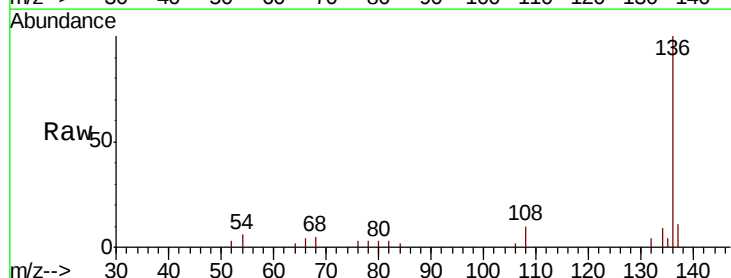
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 5.9 5.3 7.9

68 5.0 4.6 6.8

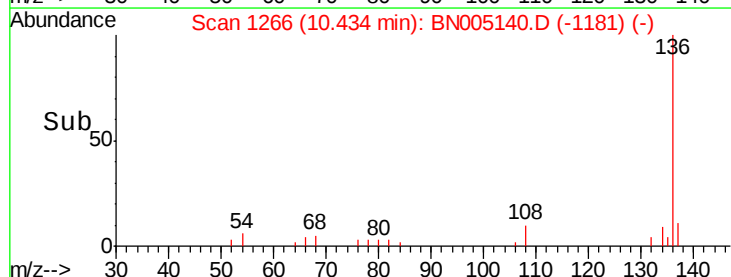
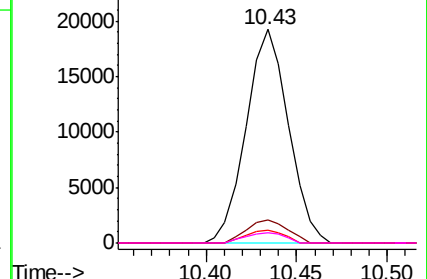


Abundance Ion 136.00 (135.70 to 136.70): BN004974.D (-1264) (-)

Ion 137.00 (136.70 to 137.70): BN004974.D (-1264) (-)

Ion 54.00 (53.70 to 54.70): BN004974.D (-1264) (-)

Ion 68.00 (67.70 to 68.70): BN004974.D (-1264) (-)

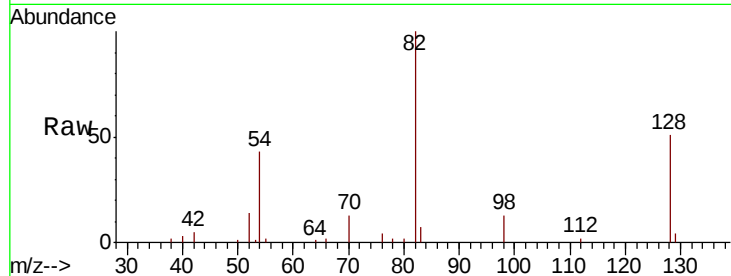




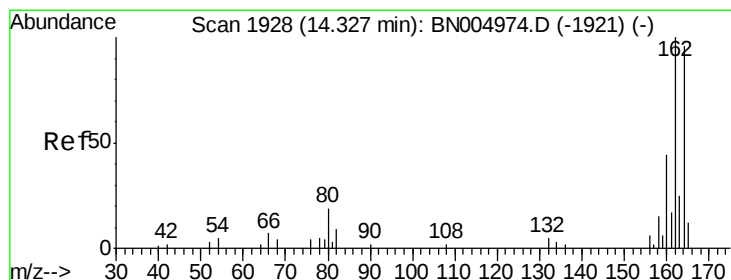
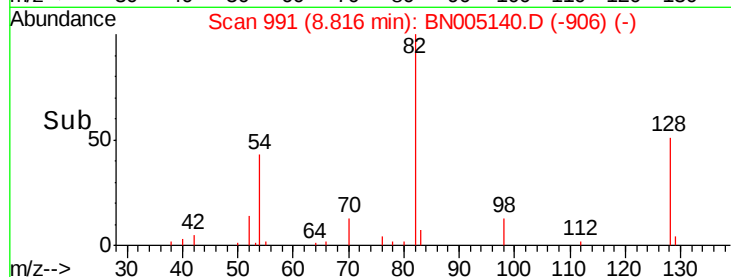
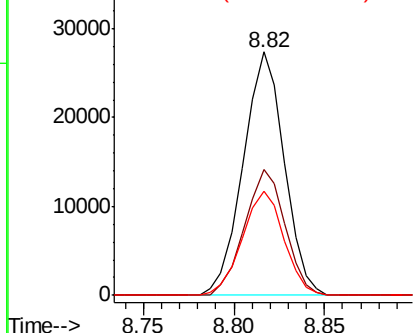
#23  
Nitrobenzene-d5  
Concen: 83.498 ng  
RT: 8.82 min Scan# 991  
Delta R.T. -0.03 min  
Lab File: BN005140.D  
Acq: 10 Apr 2019 22:28

Instrument :  
BNA\_N  
ClientSampleId :  
SU-04-040919-A

Tot Ion: 82 Resp: 43152  
Ion Ratio Lower Upper  
82 100  
128 51.5 40.6 60.8  
54 42.7 35.2 52.8

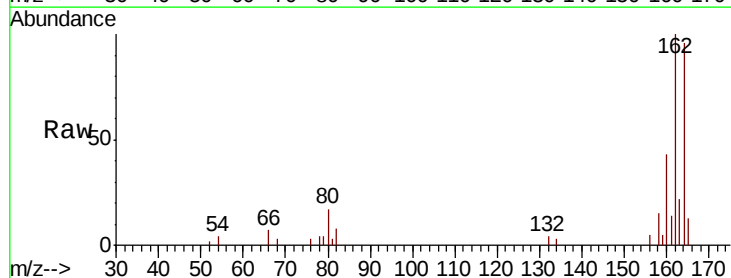


Abundance Ion 82.00 (81.70 to 82.70): BN0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BN0

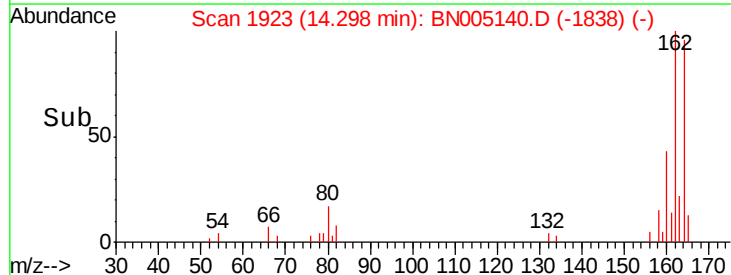
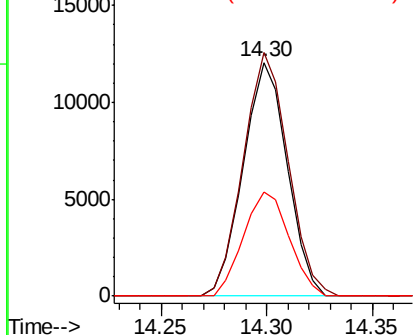


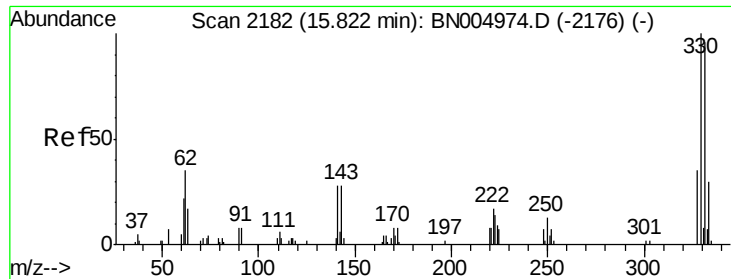
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.30 min Scan# 1923  
Delta R.T. -0.03 min  
Lab File: BN005140.D  
Acq: 10 Apr 2019 22:28

Tgt Ion:164 Resp: 17482  
Ion Ratio Lower Upper  
164 100  
162 104.1 83.4 125.0  
160 44.4 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

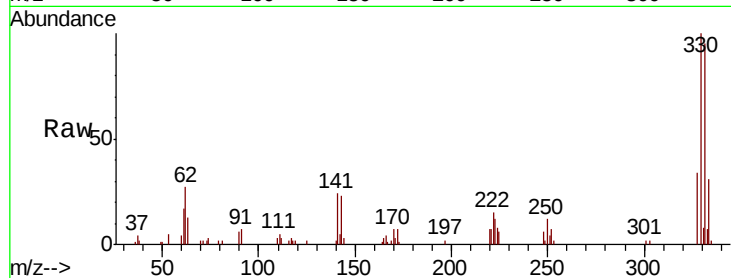




#42  
 2,4,6-Tribromophenol  
 Concen: 139.527 ng  
 RT: 15.80 min Scan# 2178  
 Delta R.T. -0.02 min  
 Lab File: BN005140.D  
 Acq: 10 Apr 2019 22:28

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SU-04-040919-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.4  | 116.0 |
| 141     | 23.2  | 22.1  | 33.1  |

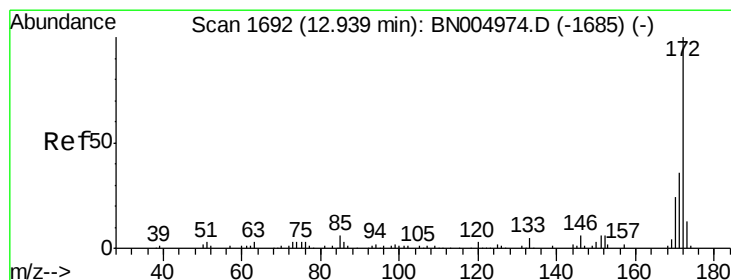
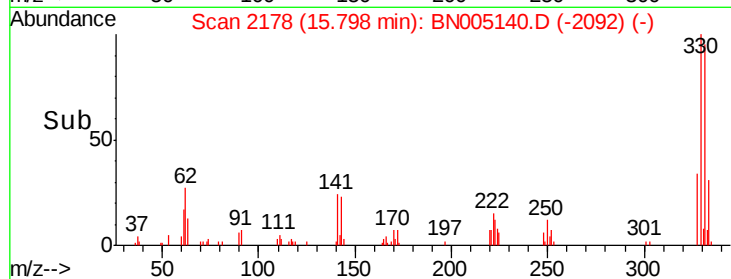
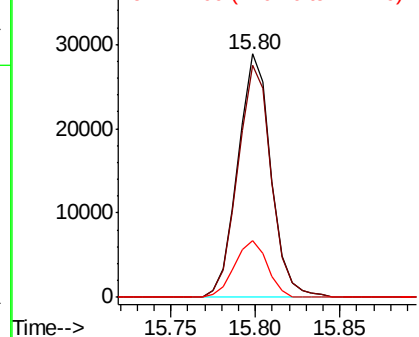


Abundance

Ion 329.80 (329.50 to 330.50): E

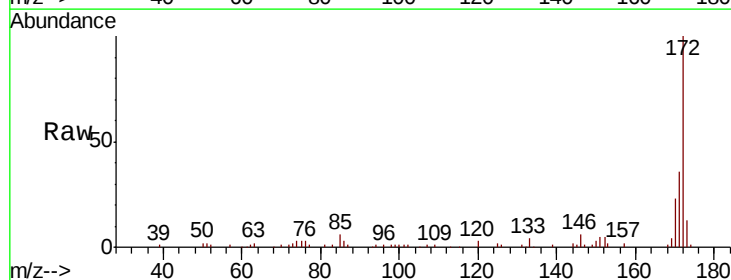
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 90.530 ng  
 RT: 12.92 min Scan# 1688  
 Delta R.T. -0.02 min  
 Lab File: BN005140.D  
 Acq: 10 Apr 2019 22:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.6  | 42.8  |
| 170     | 23.0  | 18.9  | 28.3  |

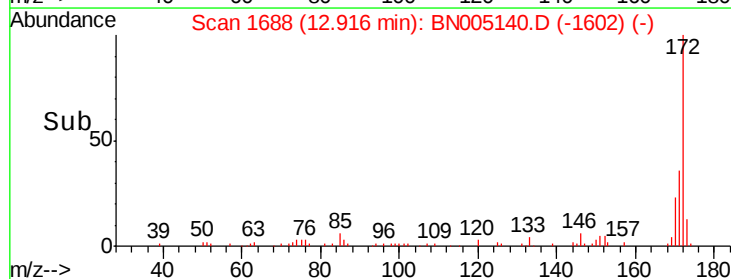
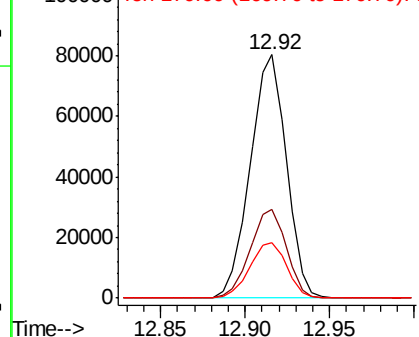


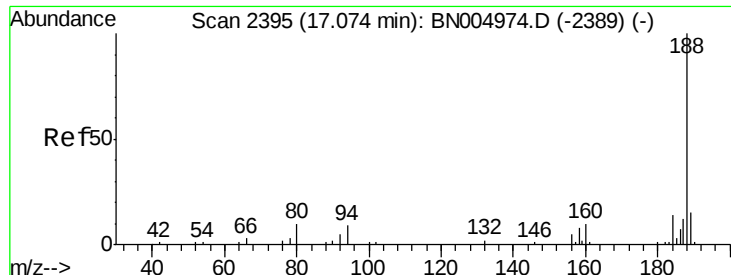
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2391

Delta R.T. -0.02 min

Lab File: BN005140.D

Acq: 10 Apr 2019 22:28

Instrument :

BNA\_N

ClientSampleId :

SU-04-040919-A

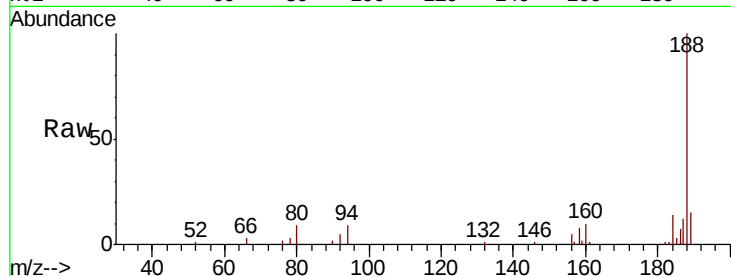
Tot Ion:188 Resp: 37045

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

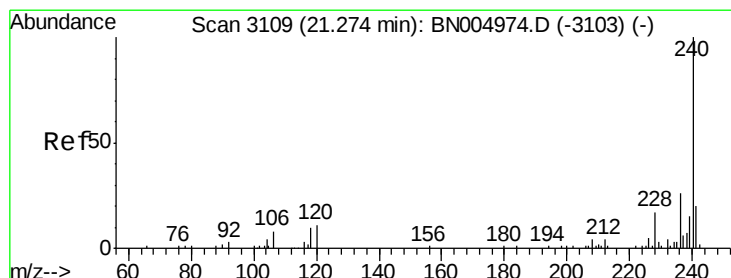
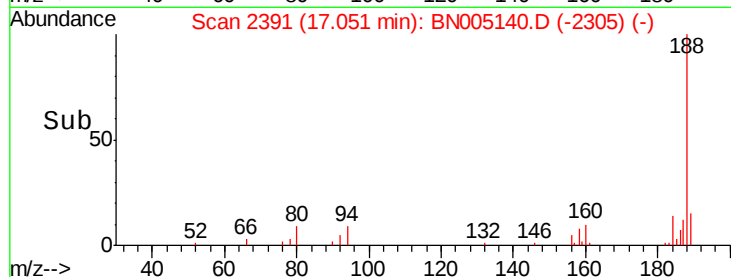
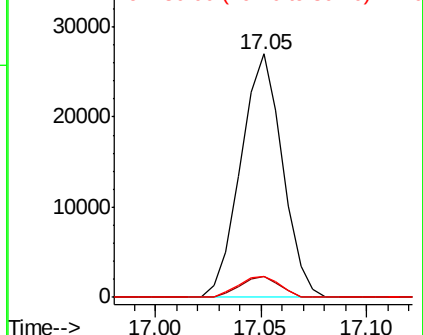
80 8.7 7.8 11.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BN

Ion 80.00 (79.70 to 80.70): BN



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BN005140.D

Acq: 10 Apr 2019 22:28

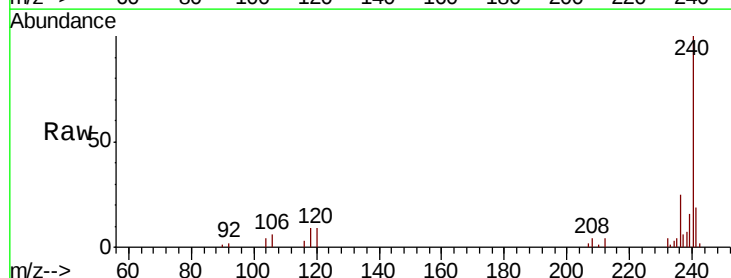
Tgt Ion:240 Resp: 32428

Ion Ratio Lower Upper

240 100

120 9.4 8.5 12.7

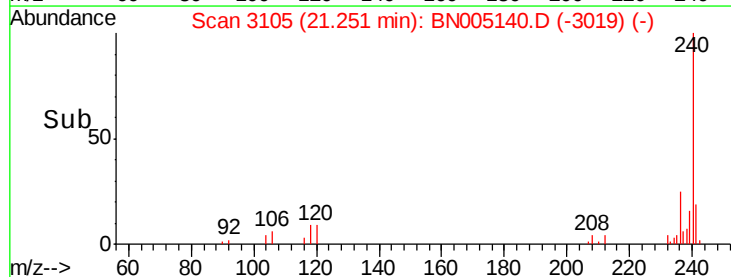
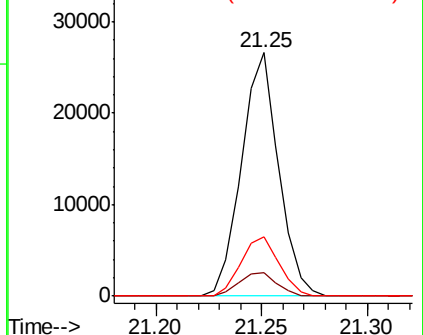
236 24.6 21.2 31.8

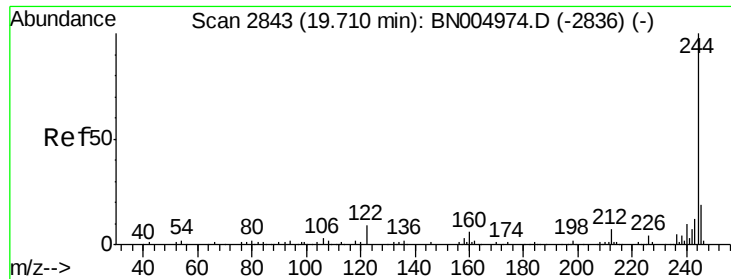


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 104.081 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BN005140.D

Acq: 10 Apr 2019 22:28

Instrument :

BNA\_N

ClientSampleId :

SU-04-040919-A

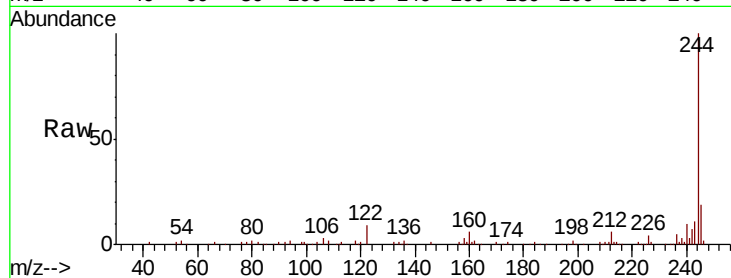
Tot Ion:244 Resp: 175309

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 9.3 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

200000

150000

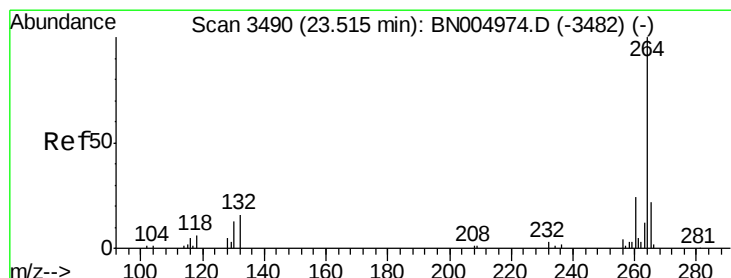
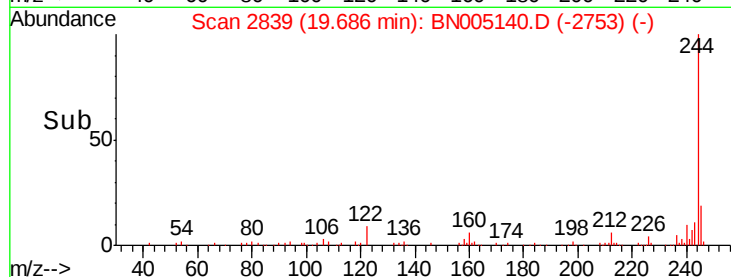
100000

50000

0

19.65 19.70 19.75

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.48 min Scan# 3484

Delta R.T. -0.04 min

Lab File: BN005140.D

Acq: 10 Apr 2019 22:28

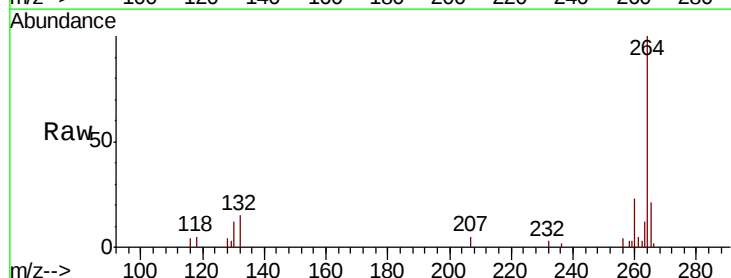
Tgt Ion:264 Resp: 34101

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.0 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

25000

20000

15000

10000

5000

0

23.40 23.45 23.50 23.55

Time-->

