

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040919\  
 Data File : BN005117.D  
 Acq On : 09 Apr 2019 17:51  
 Operator : JU/SJ  
 Sample : PB118726TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB118726TB

Quant Time: Apr 10 01:44:30 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  | 7477     | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.43 | 136  | 30365    | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.30 | 164  | 16917    | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10        | 17.05 | 188  | 34357    | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.25 | 240  | 29849    | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.49 | 264  | 32748    | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.25  | 112  | 46794    | 108.20 | ng    | -0.02    |
| 7) Phenol-d6                | 6.83  | 99   | 59686    | 104.05 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 32317    | 64.38  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 26621    | 97.57  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 92881    | 72.75  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.69 | 244  | 117651   | 75.88  | ng    | -0.02    |

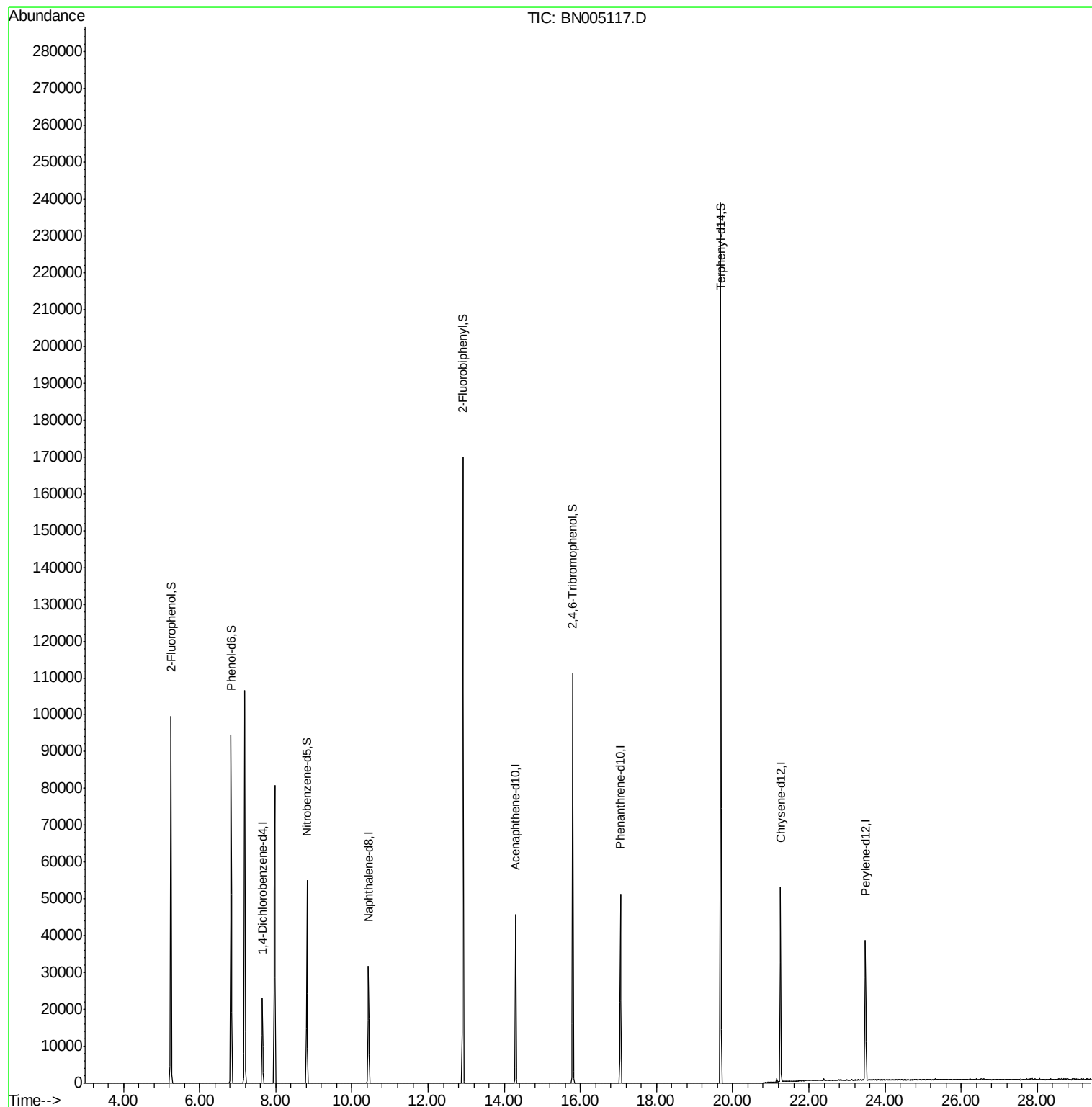
Target Compounds Qvalue

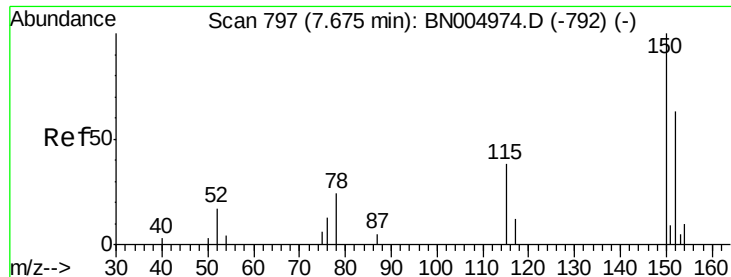
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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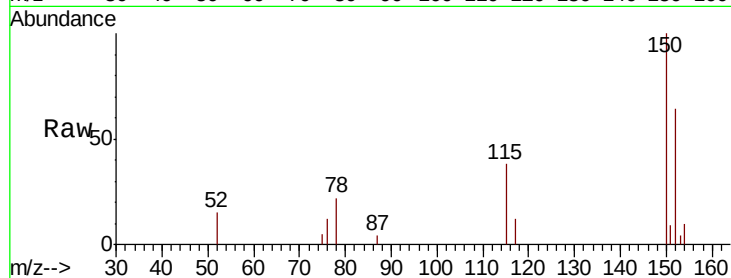


#1

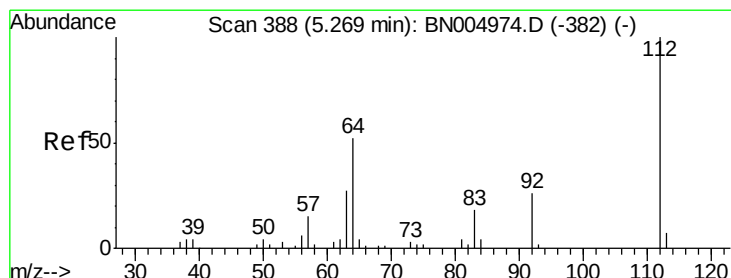
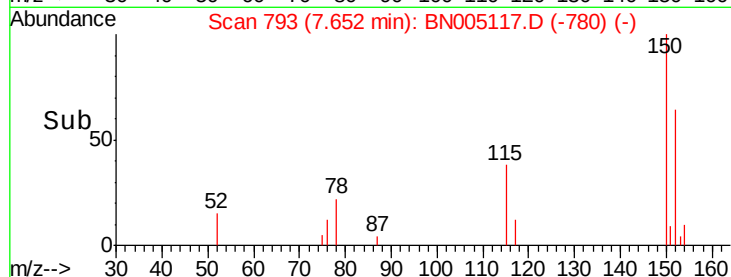
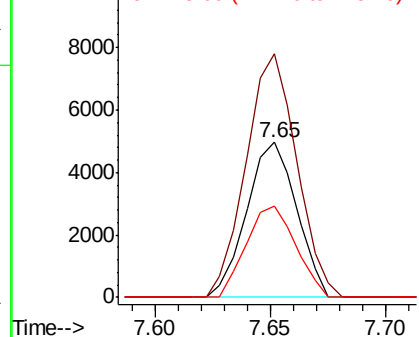
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.65 min Scan# 793  
Delta R.T. -0.02 min  
Lab File: BN005117.D  
Acq: 09 Apr 2019 17:51

Instrument :  
BNA\_N  
ClientSampleId :  
PB118726TB

Tot Ion:152 Resp: 7477  
Ion Ratio Lower Upper  
152 100  
150 156.8 126.9 190.3  
115 58.8 47.8 71.6



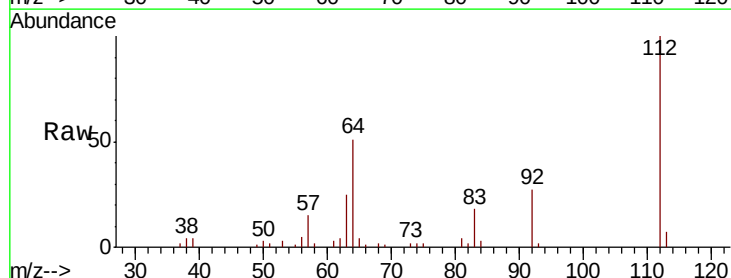
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



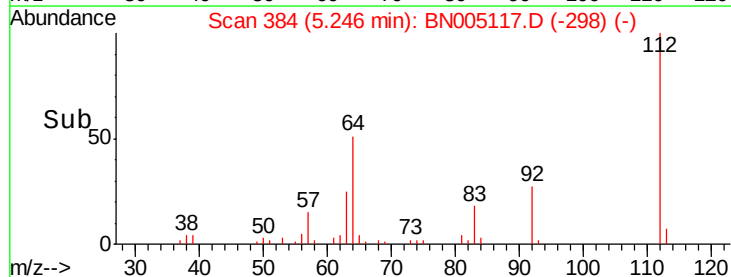
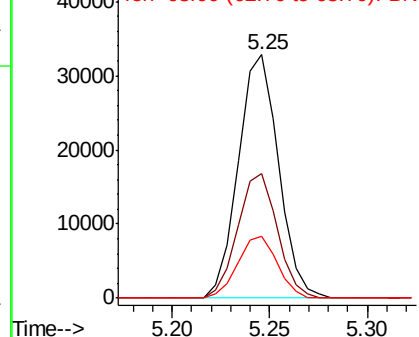
#5

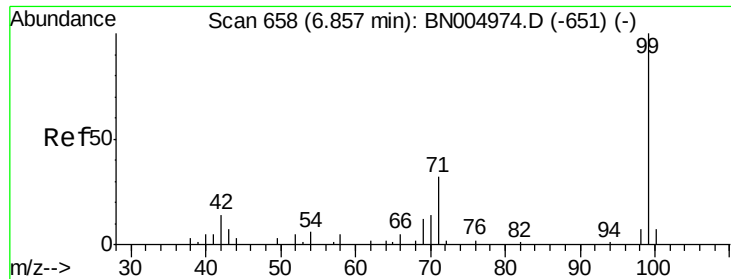
2-Fluorophenol  
Concen: 108.201 ng  
RT: 5.25 min Scan# 384  
Delta R.T. -0.02 min  
Lab File: BN005117.D  
Acq: 09 Apr 2019 17:51

Tgt Ion:112 Resp: 46794  
Ion Ratio Lower Upper  
112 100  
64 51.2 41.9 62.9  
63 25.4 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: 104.054 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA\_N

ClientSampleId :

PB118726TB

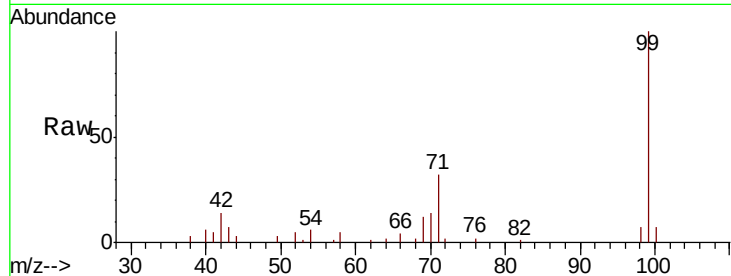
Tot Ion: 99 Resp: 59686

Ion Ratio Lower Upper

99 100

42 13.5 11.4 17.0

71 32.0 25.8 38.8

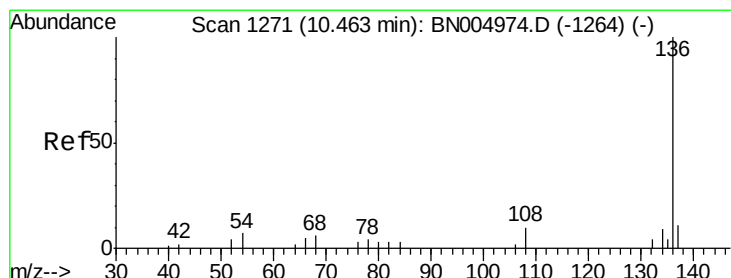
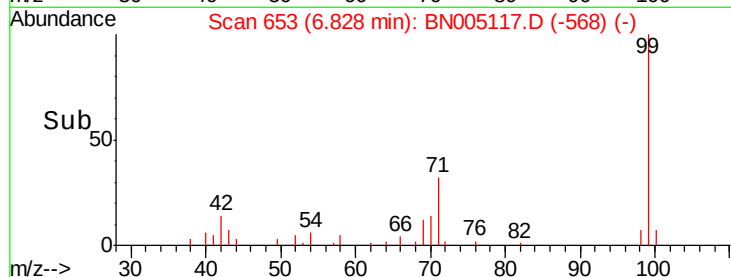
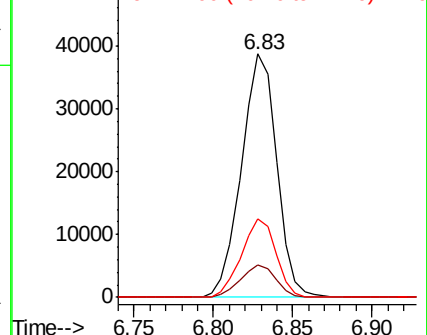


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1266

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Tgt Ion:136 Resp: 30365

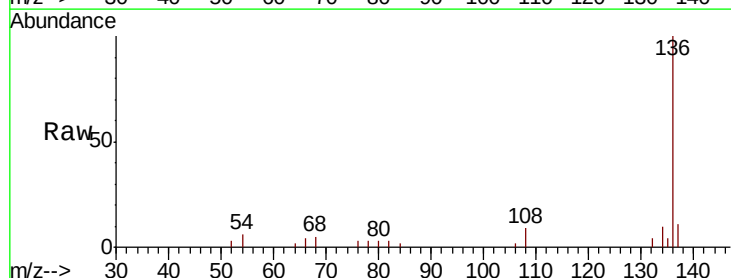
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 5.3 7.9

68 4.9 4.6 6.8



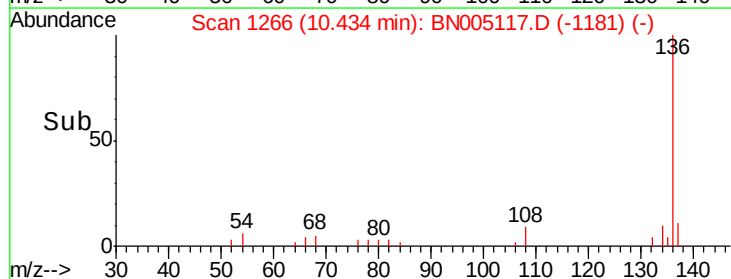
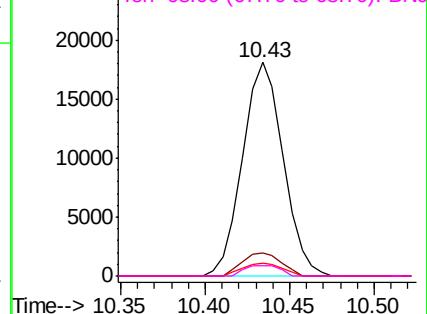
Abundance

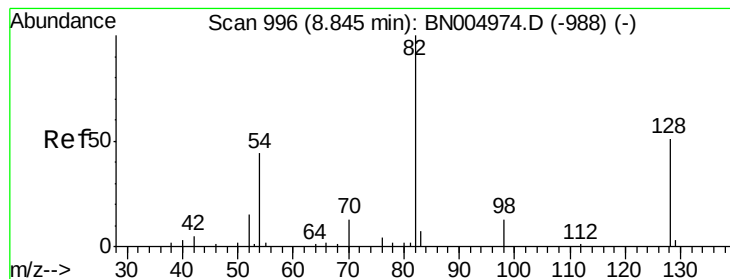
Ion 136.00 (135.70 to 136.70): E

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: 64.380 ng

RT: 8.82 min Scan# 991

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA\_N

ClientSampleId :

PB118726TB

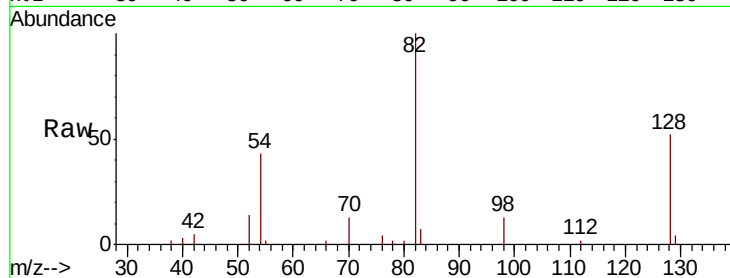
Tot Ion: 82 Resp: 32317

Ion Ratio Lower Upper

82 100

128 51.7 40.6 60.8

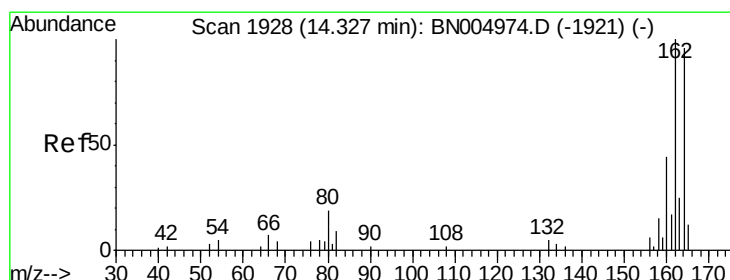
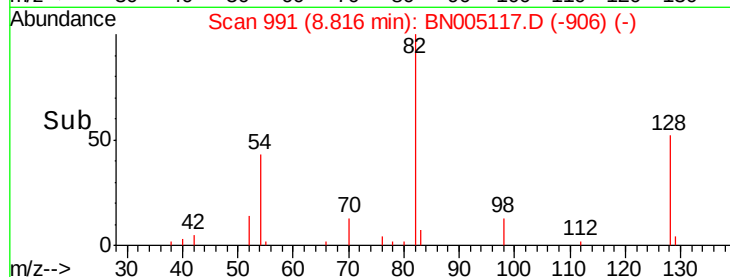
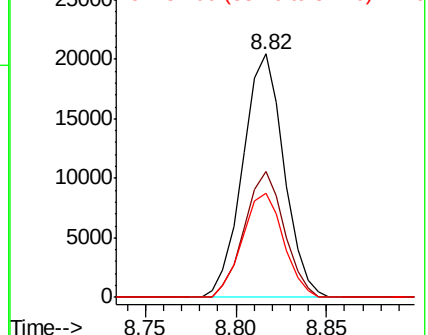
54 43.0 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1923

Delta R.T. -0.03 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

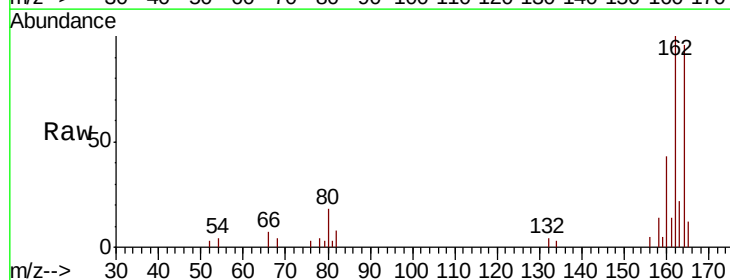
Tgt Ion: 164 Resp: 16917

Ion Ratio Lower Upper

164 100

162 103.7 83.4 125.0

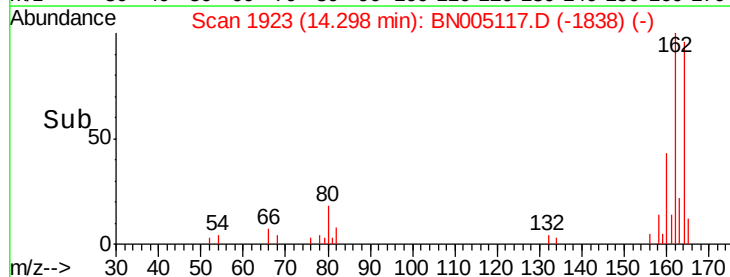
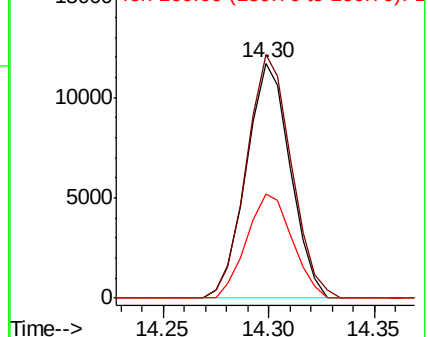
160 44.2 36.6 55.0

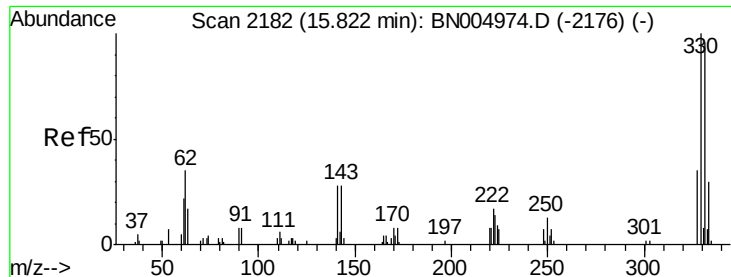


Abundance Ion 164.00 (163.70 to 164.70): BNC

Ion 162.00 (161.70 to 162.70): BNC

Ion 160.00 (159.70 to 160.70): BNC

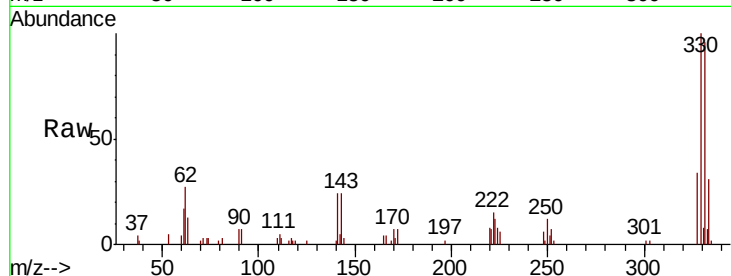




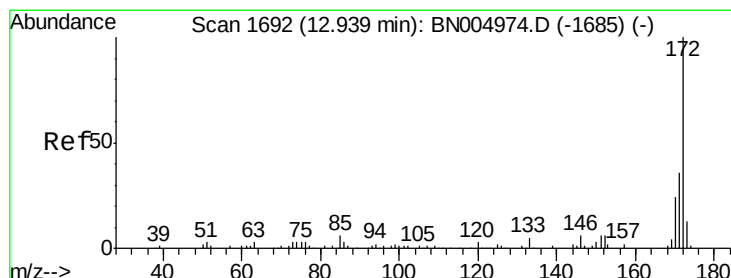
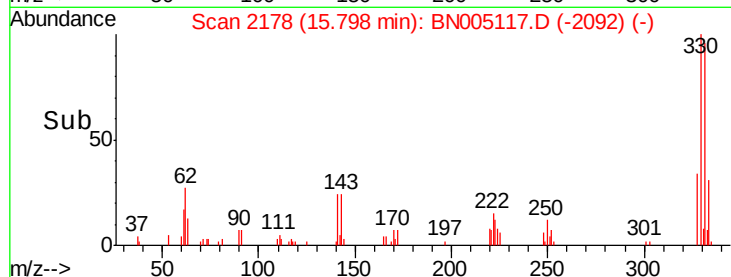
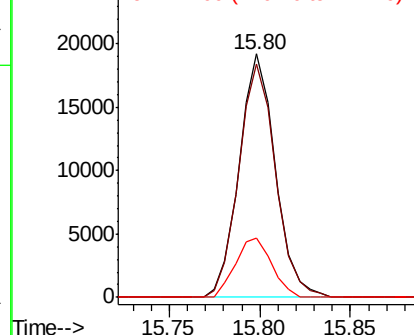
#42  
 2,4,6-Tribromophenol  
 Concen: 97.570 ng  
 RT: 15.80 min Scan# 2178  
 Delta R.T. -0.02 min  
 Lab File: BN005117.D  
 Acq: 09 Apr 2019 17:51

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB118726TB

Tot Ion:330 Resp: 26621  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.4 116.0  
 141 24.2 22.1 33.1

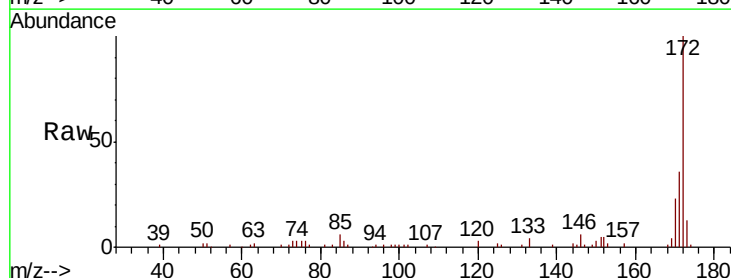


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

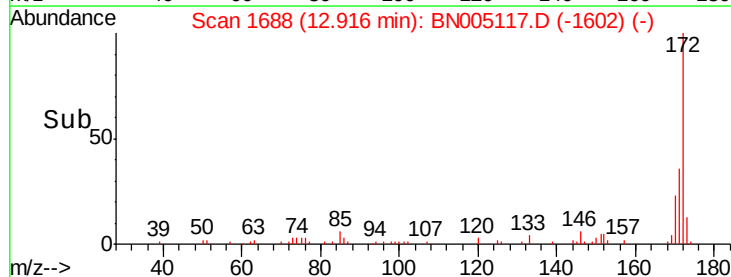
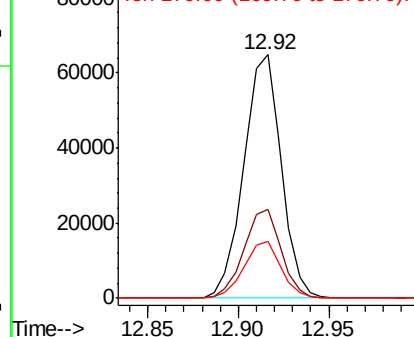


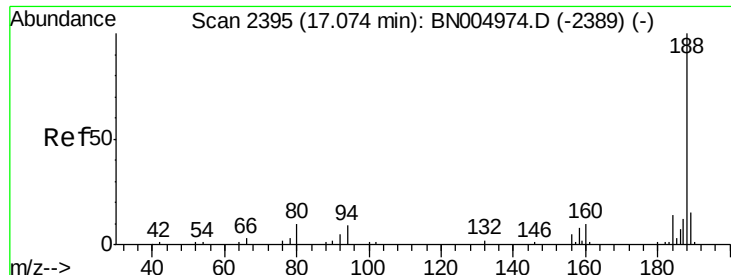
#45  
 2-Fluorobiphenyl  
 Concen: 72.755 ng  
 RT: 12.92 min Scan# 1688  
 Delta R.T. -0.02 min  
 Lab File: BN005117.D  
 Acq: 09 Apr 2019 17:51

Tgt Ion:172 Resp: 92881  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.6 42.8  
 170 23.1 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: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA\_N

ClientSampleId :

PB118726TB

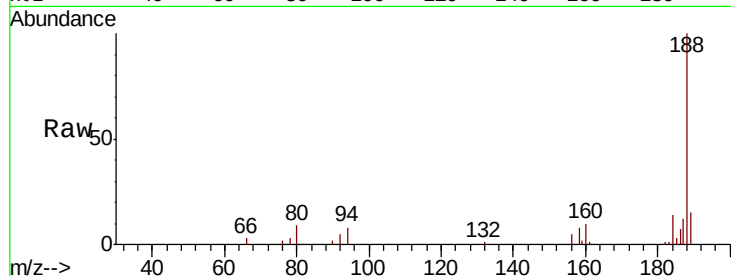
Tot Ion:188 Resp: 34357

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

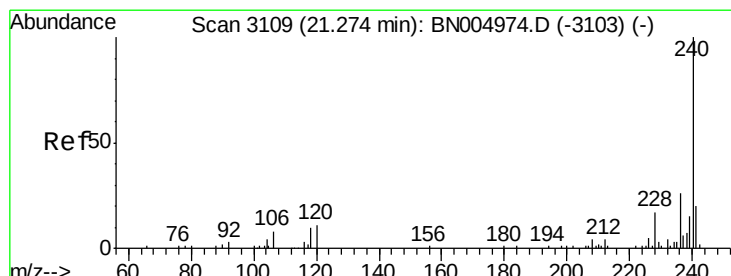
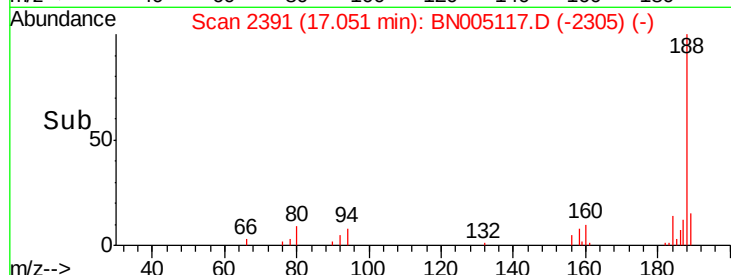
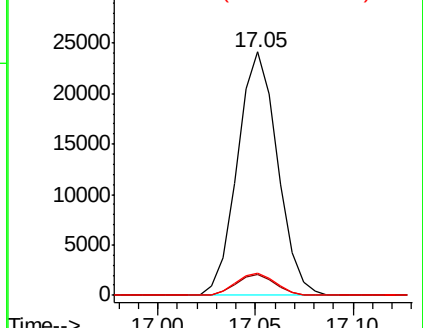
80 9.2 7.8 11.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.02 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

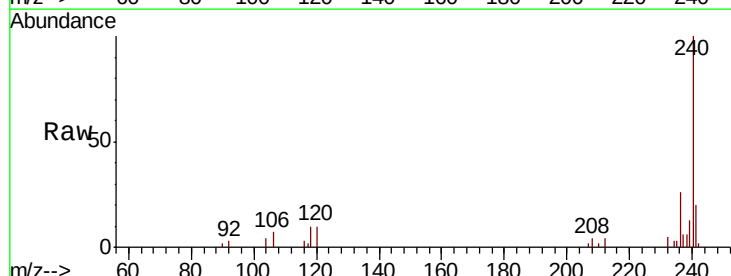
Tgt Ion:240 Resp: 29849

Ion Ratio Lower Upper

240 100

120 10.5 8.5 12.7

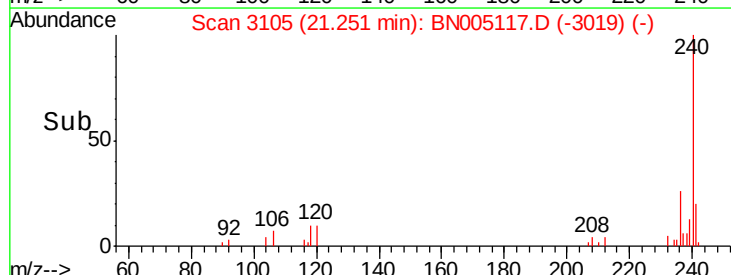
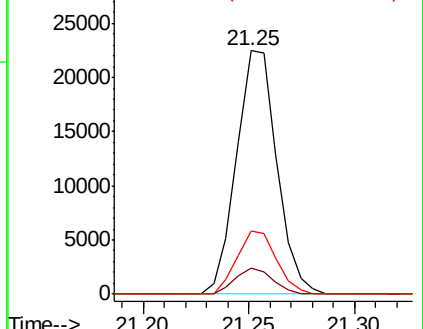
236 25.8 21.2 31.8

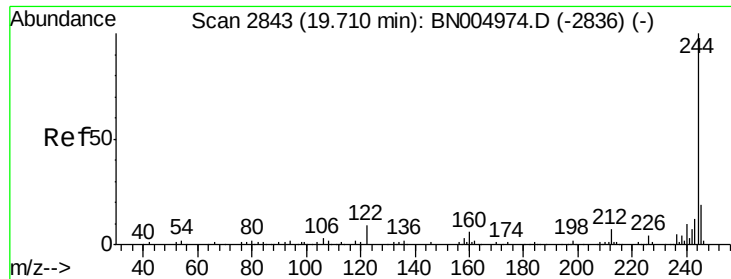


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.884 ng

RT: 19.69 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BN005117.D

Acq: 09 Apr 2019 17:51

Instrument :

BNA\_N

ClientSampleId :

PB118726TB

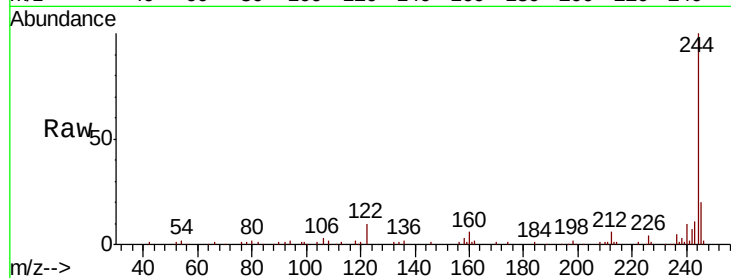
Tot Ion:244 Resp: 117651

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

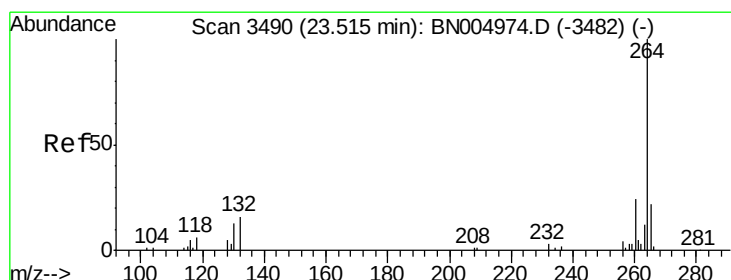
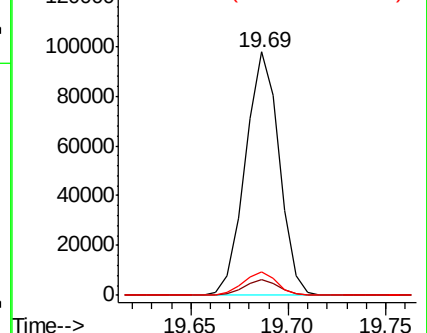
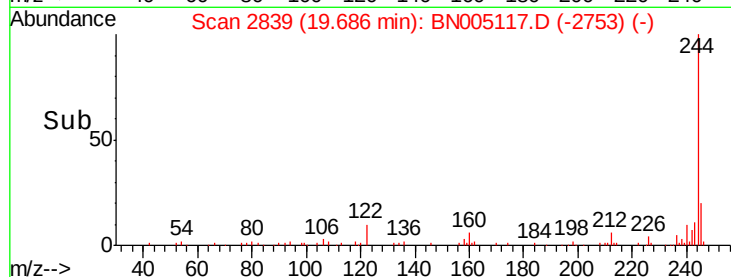
122 9.6 7.4 11.2



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: 23.49 min Scan# 3485

Delta R.T. -0.03 min

Lab File: BN005117.D

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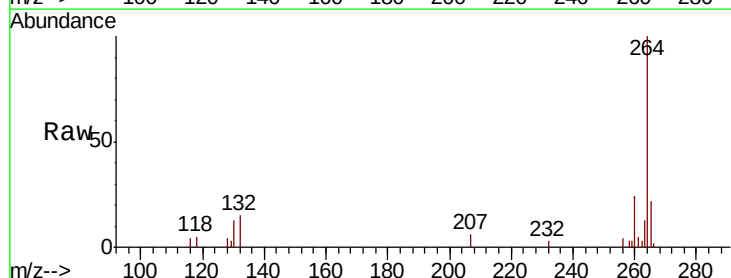
Tgt Ion:264 Resp: 32748

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

265 22.1 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

