

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\  
 Data File : BN007379.D  
 Acq On : 25 Aug 2019 01:55  
 Operator : HP/JU  
 Sample : PB122506BL  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122506BL

Quant Time: Aug 25 05:31:30 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 24 00:38:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 7246     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 27737    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 11886    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.80 | 188  | 22506    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 23531    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.12 | 264  | 29043    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.04  | 112  | 7024     | 0.27 | ng    | 0.00     |
| 5) Phenol-d6                | 6.59  | 99   | 8462     | 0.25 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.53  | 82   | 6415     | 0.27 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152  | 13269    | 0.29 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330  | 927      | 0.15 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.66 | 172  | 14980    | 0.31 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 18.84 | 212  | 22548    | 0.31 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.47 | 244  | 16563    | 0.27 | ng    | 0.00     |

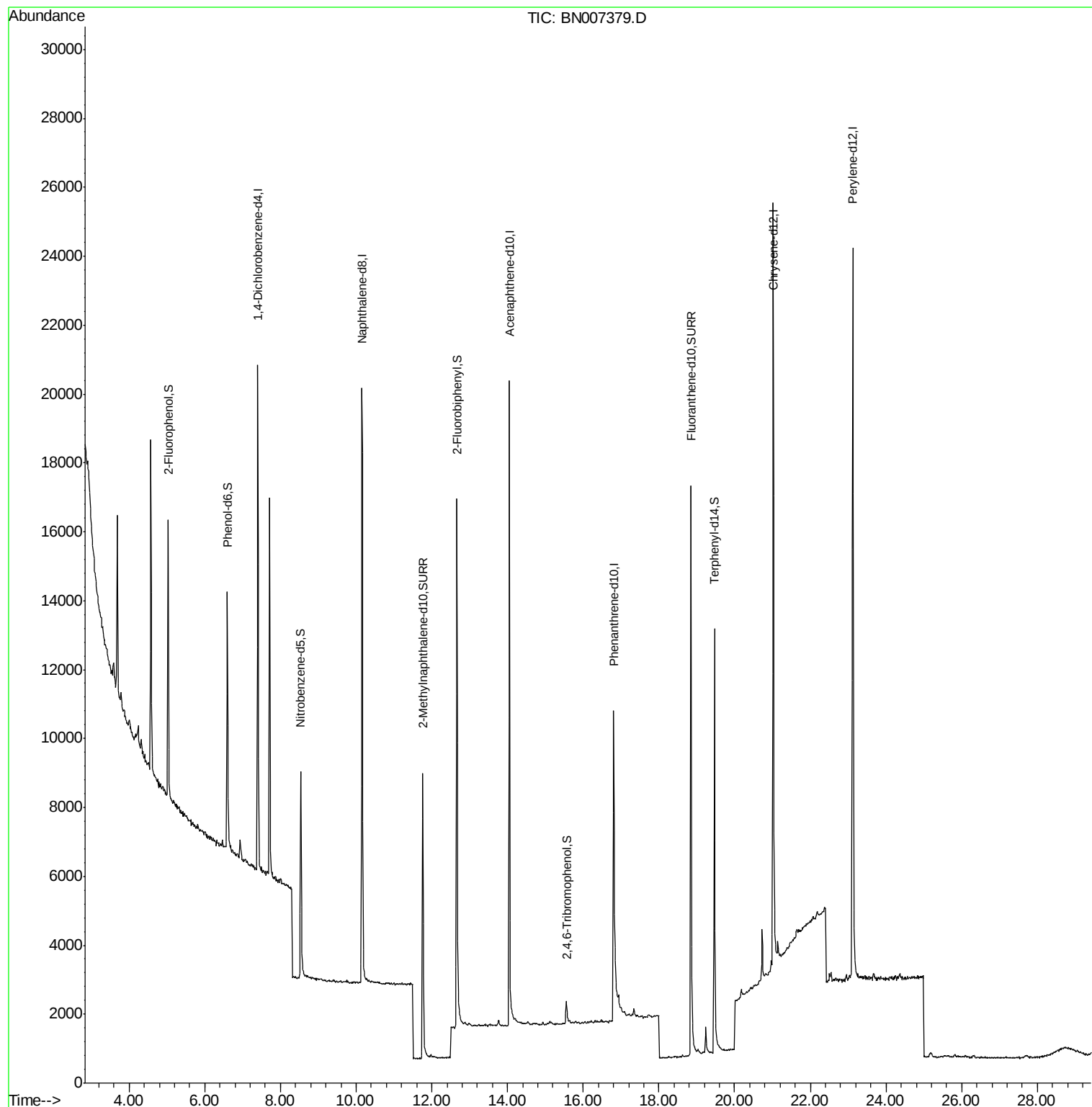
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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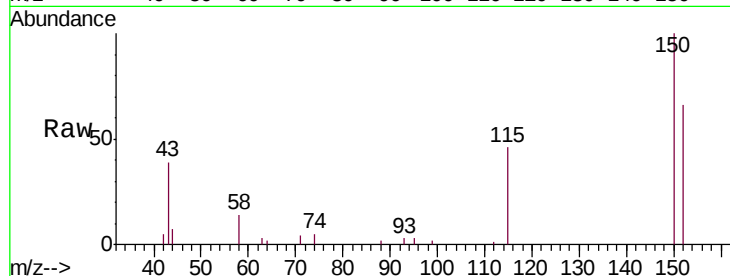


#1

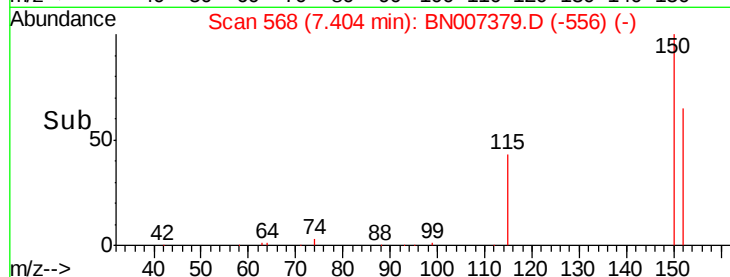
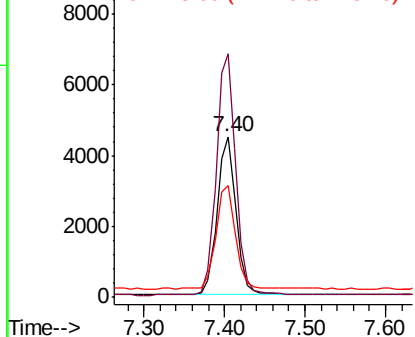
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 568  
Delta R.T. -0.00 min  
Lab File: BN007379.D  
Acq: 25 Aug 2019 01:55

Instrument :  
BNA\_N  
ClientSampleId :  
PB122506BL

Tot Ion:152 Resp: 7246  
Ion Ratio Lower Upper  
152 100  
150 151.6 109.1 163.7  
115 69.8 59.6 89.4



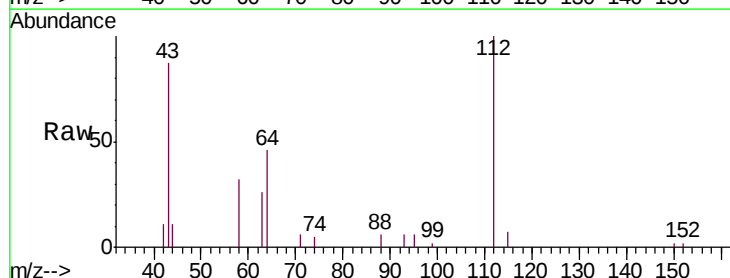
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



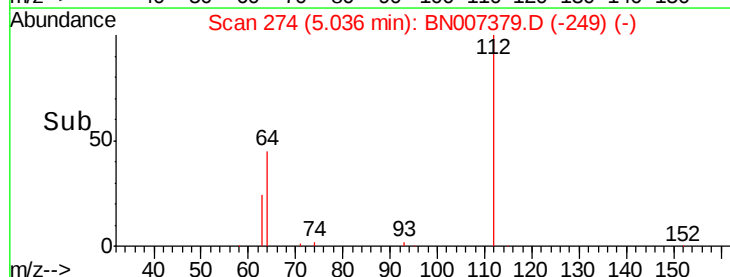
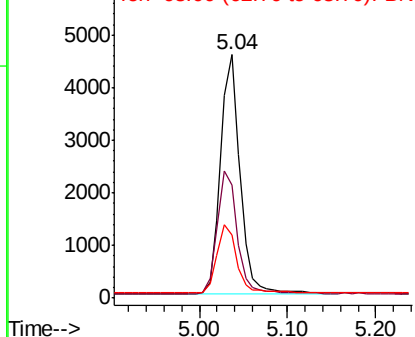
#4

2-Fluorophenol  
Concen: 0.270 ng  
RT: 5.04 min Scan# 274  
Delta R.T. 0.00 min  
Lab File: BN007379.D  
Acq: 25 Aug 2019 01:55

Tgt Ion:112 Resp: 7024  
Ion Ratio Lower Upper  
112 100  
64 52.2 42.3 63.5  
63 28.8 23.6 35.4



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





#5

Phenol-d6

Concen: 0.254 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

Instrument :

BNA\_N

ClientSampleId :

PB122506BL

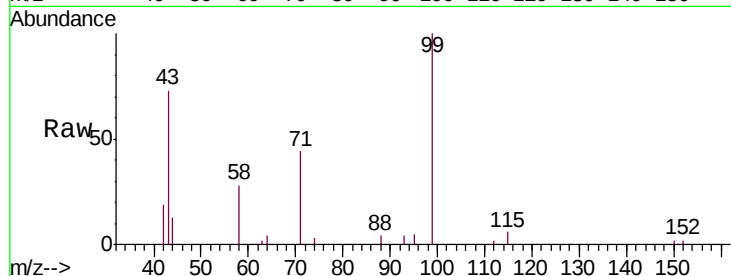
Tot Ion: 99 Resp: 8462

Ion Ratio Lower Upper

99 100

42 10.9 11.2 16.8#

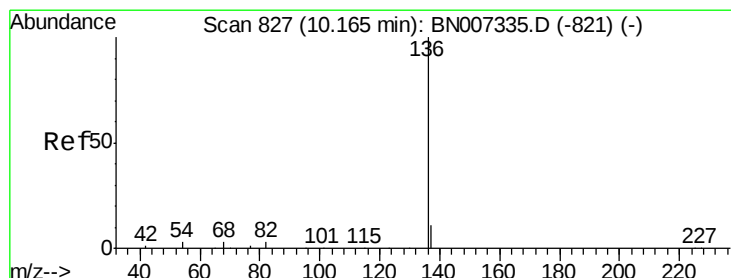
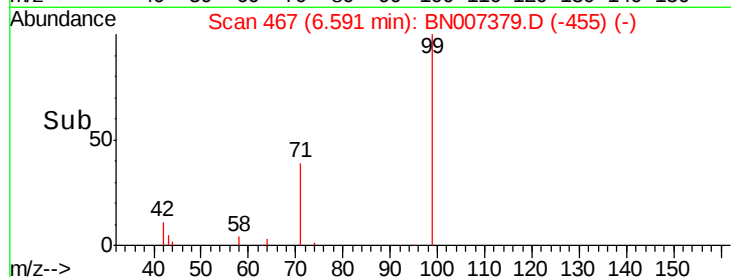
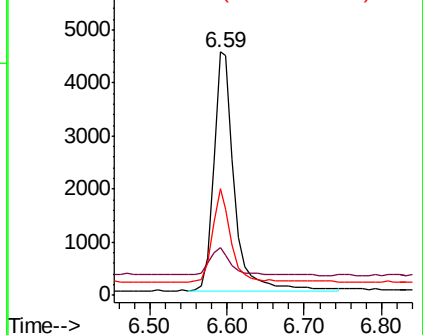
71 35.0 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

Tgt Ion: 136 Resp: 27737

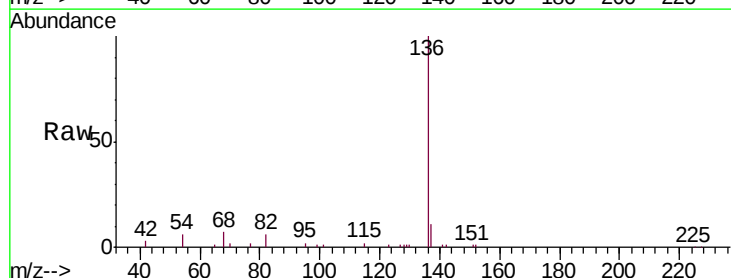
Ion Ratio Lower Upper

136 100

137 11.1 12.9 19.3#

54 5.9 8.6 12.8#

68 7.1 17.0 25.4#

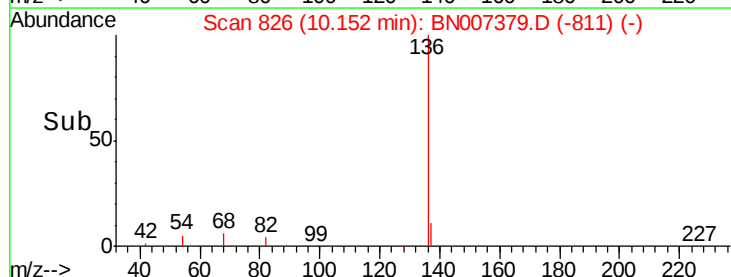
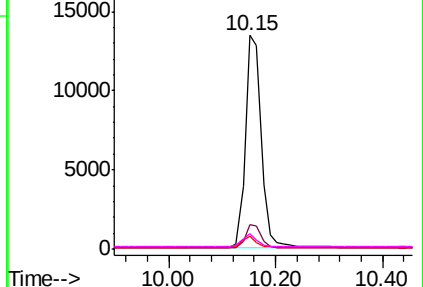


Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007335.D (-821) (-)





#8

Nitrobenzene-d5

Concen: 0.266 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

Instrument :

BNA\_N

ClientSampleId :

PB122506BL

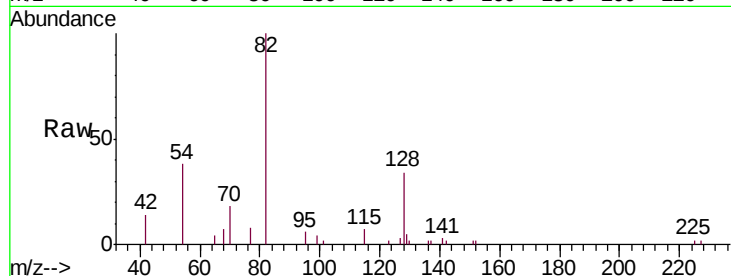
Tot Ion: 82 Resp: 6415

Ion Ratio Lower Upper

82 100

128 33.7 19.7 29.5#

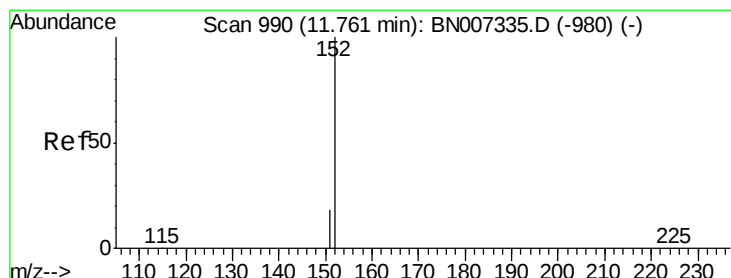
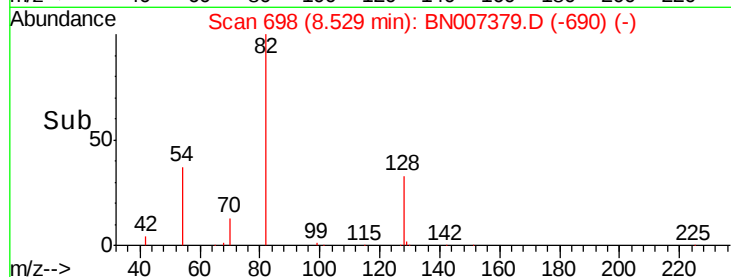
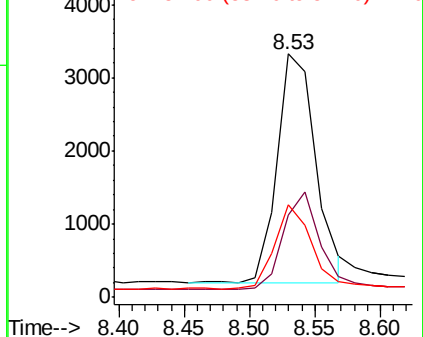
54 38.0 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): BN0

Ion 54.00 (53.70 to 54.70): BN0



#11

2-Methylnaphthalene-d10

Concen: 0.288 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007379.D

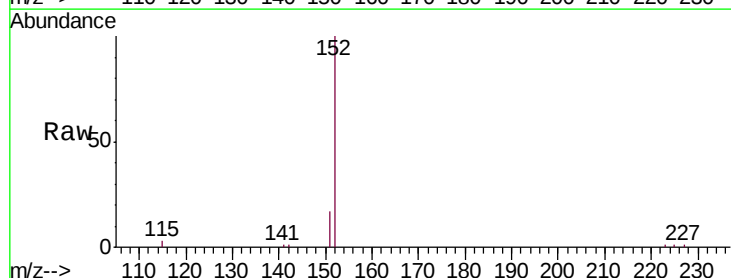
Acq: 25 Aug 2019 01:55

Tgt Ion: 152 Resp: 13269

Ion Ratio Lower Upper

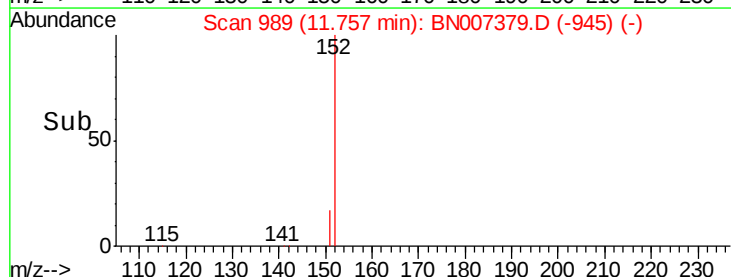
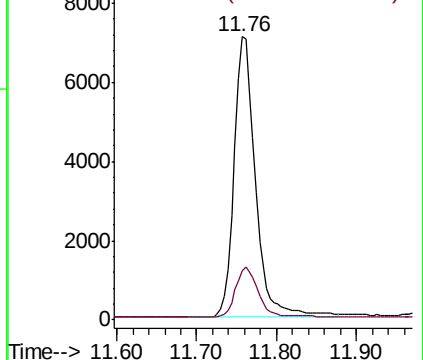
152 100

151 19.0 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN0

Ion 151.00 (150.70 to 151.70): BN0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

Instrument :

BNA\_N

ClientSampleId :

PB122506BL

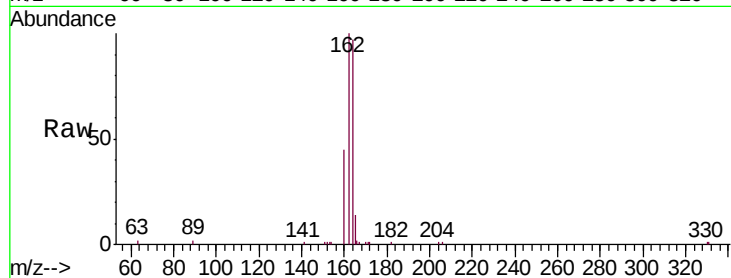
Tot Ion:164 Resp: 11886

Ion Ratio Lower Upper

164 100

162 103.0 83.5 125.3

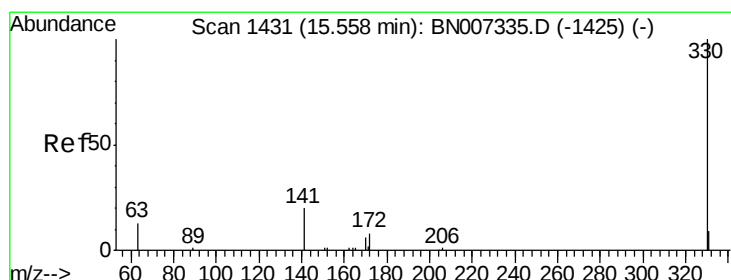
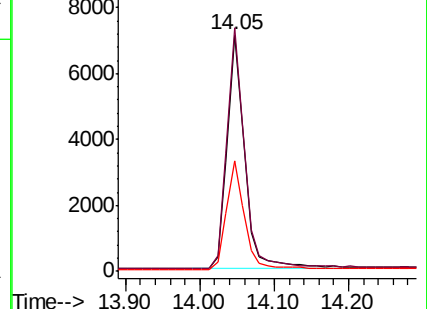
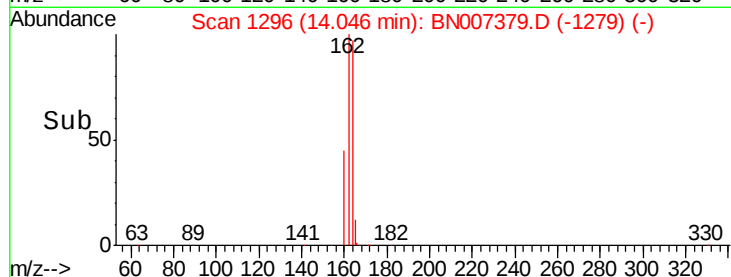
160 46.5 38.2 57.4



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



#14

2,4,6-Tribromophenol

Concen: 0.149 ng

RT: 15.56 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

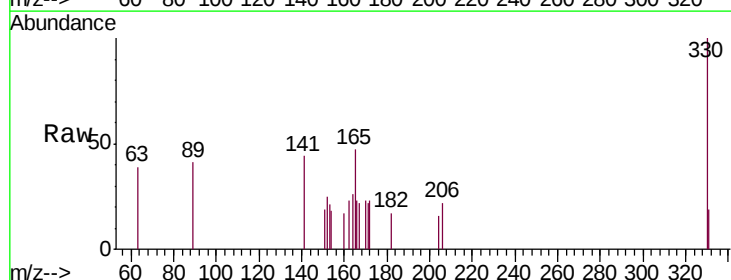
Tgt Ion:330 Resp: 927

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

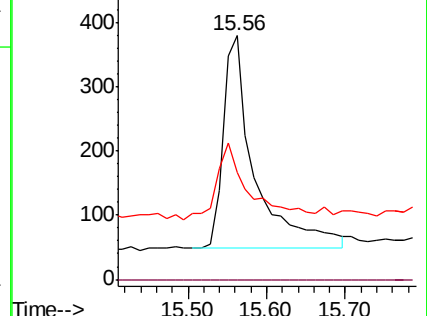
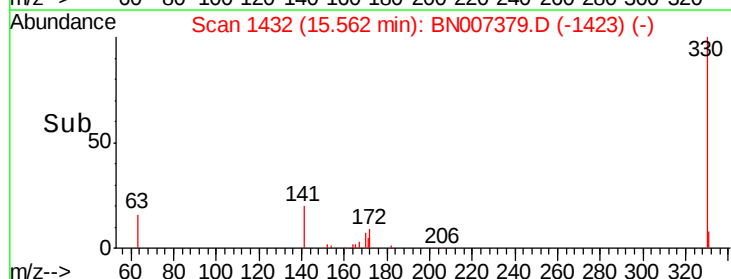
141 37.3 26.9 40.3

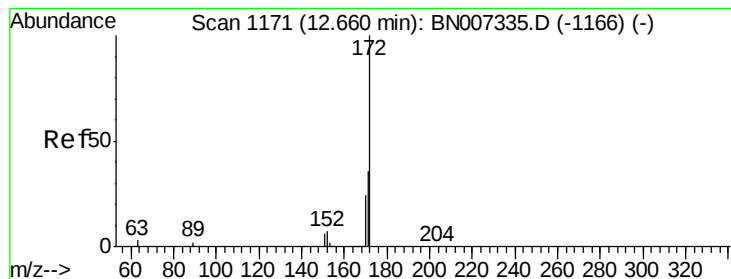


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

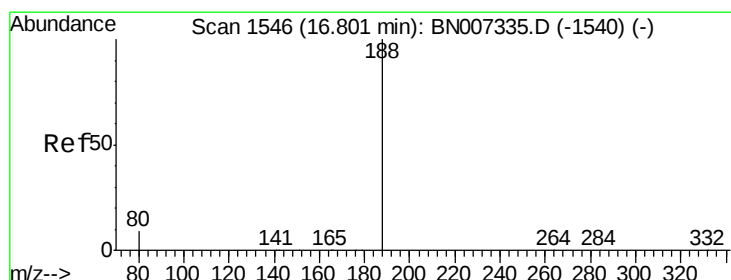
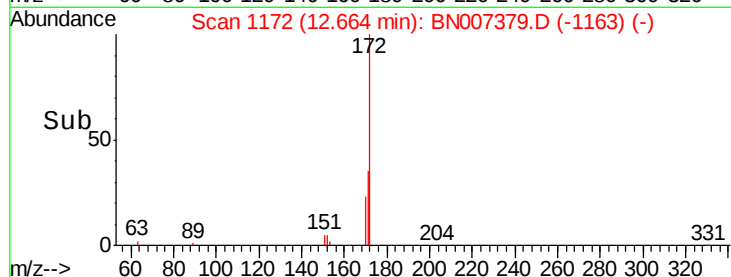
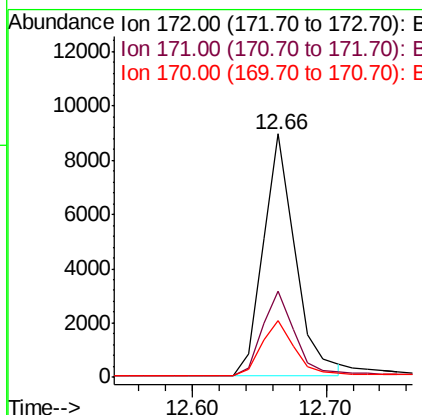
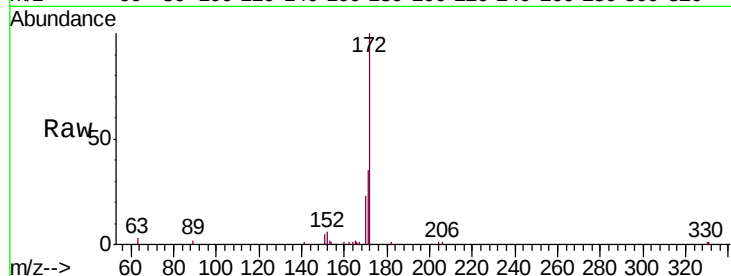




#15  
 2-Fluorobiphenyl  
 Concen: 0.313 ng  
 RT: 12.66 min Scan# 1172  
 Delta R.T. 0.00 min  
 Lab File: BN007379.D  
 Acq: 25 Aug 2019 01:55

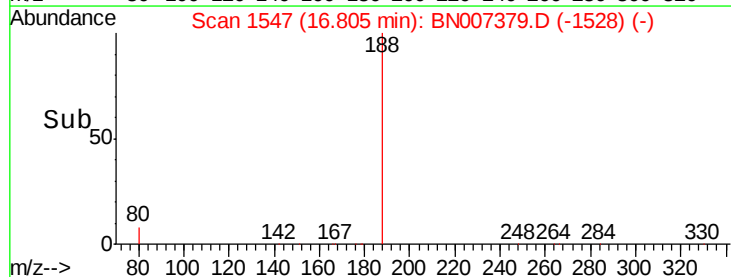
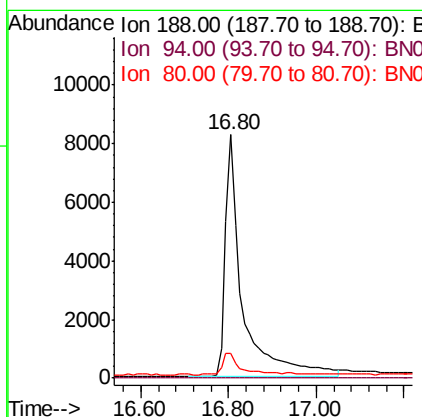
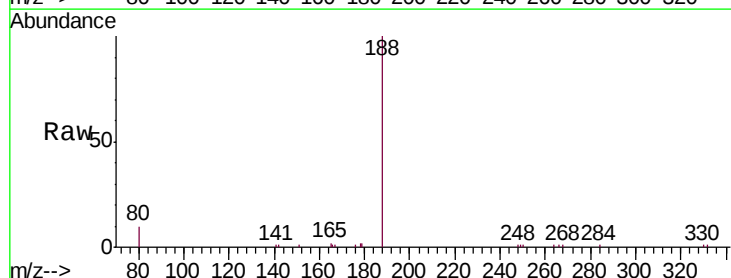
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB122506BL

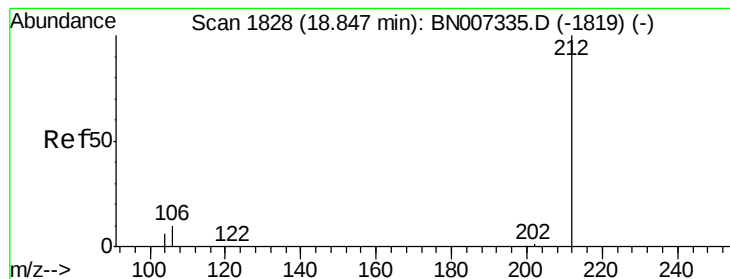
Tot Ion:172 Resp: 14980  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 30.3 45.5  
 170 23.4 20.7 31.1



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 16.80 min Scan# 1547  
 Delta R.T. 0.00 min  
 Lab File: BN007379.D  
 Acq: 25 Aug 2019 01:55

Tgt Ion:188 Resp: 22506  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 10.0 11.8 17.8#





#25

Fluoranthene-d10

Concen: 0.311 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

Instrument :

BNA\_N

ClientSampleId :

PB122506BL

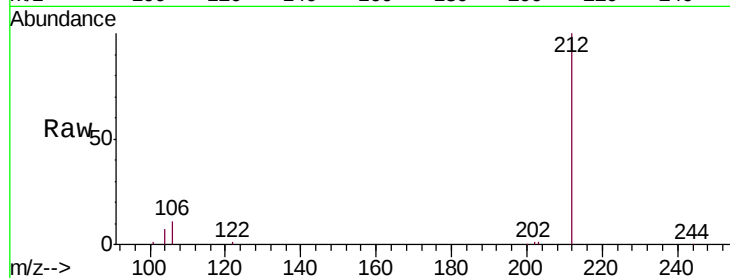
Tot Ion:212 Resp: 22548

Ion Ratio Lower Upper

212 100

106 10.4 9.0 13.4

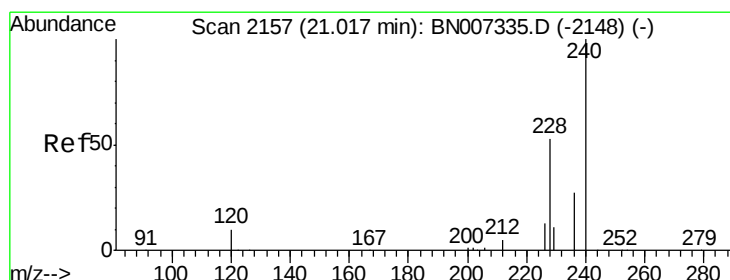
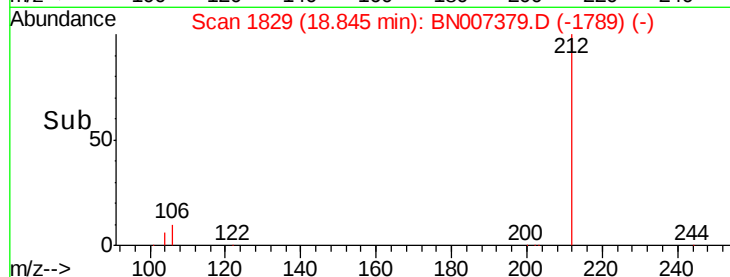
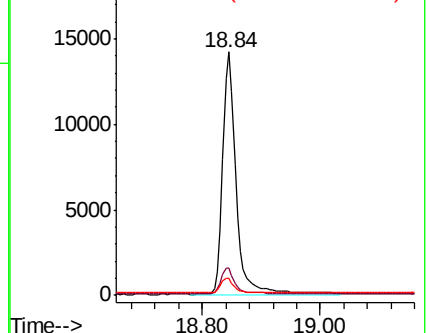
104 6.3 5.4 8.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

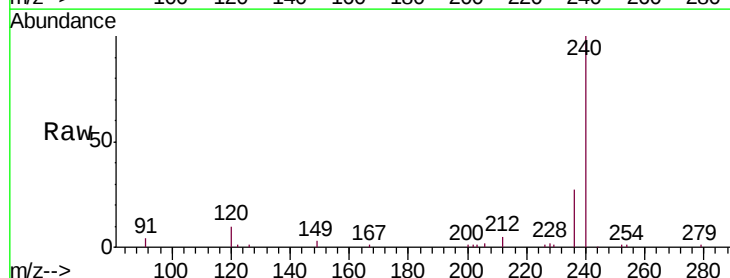
Tgt Ion:240 Resp: 23531

Ion Ratio Lower Upper

240 100

120 9.7 9.6 14.4

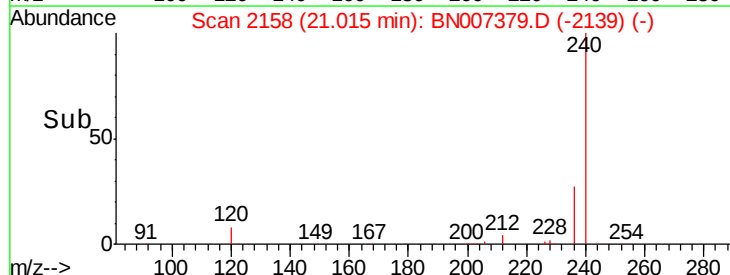
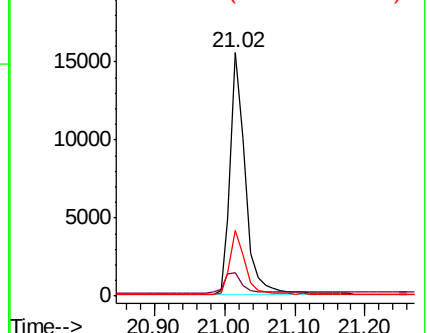
236 27.0 22.2 33.2

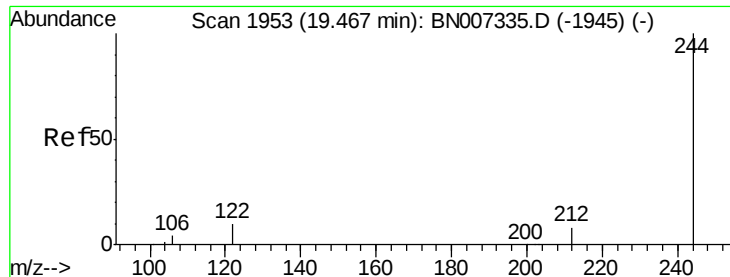


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.269 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

Instrument :

BNA\_N

ClientSampleId :

PB122506BL

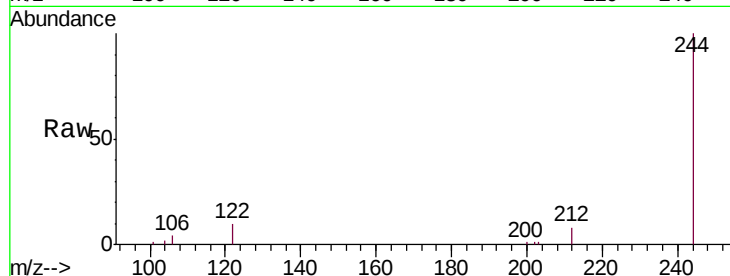
Tot Ion:244 Resp: 16563

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.6

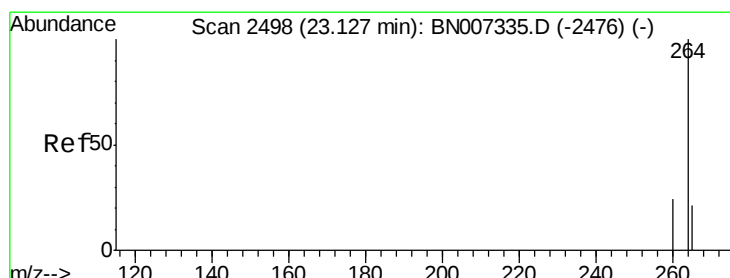
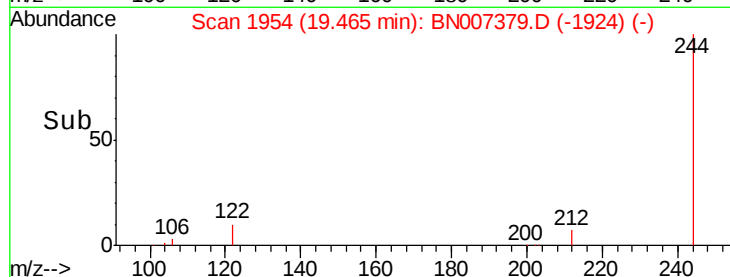
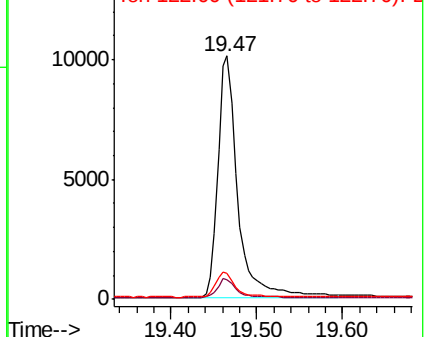
122 10.5 9.6 14.4



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.12 min Scan# 2498

Delta R.T. -0.01 min

Lab File: BN007379.D

Acq: 25 Aug 2019 01:55

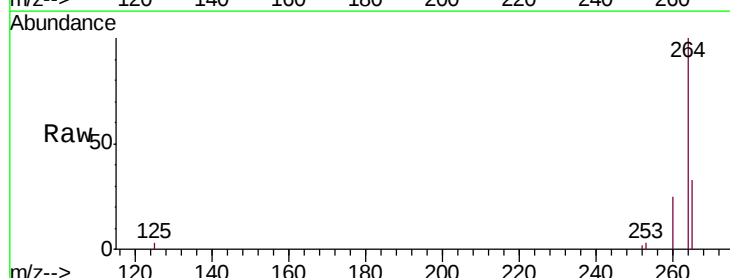
Tgt Ion:264 Resp: 29043

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 32.9 29.9 44.9



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

