

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\  
 Data File : BN007879.D  
 Acq On : 26 Sep 2019 07:29  
 Operator : JU  
 Sample : K4974-09DL 2X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP04-20190916DL

Quant Time: Sep 26 08:43:07 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 18:24:40 2019  
 Response via : Initial Calibration

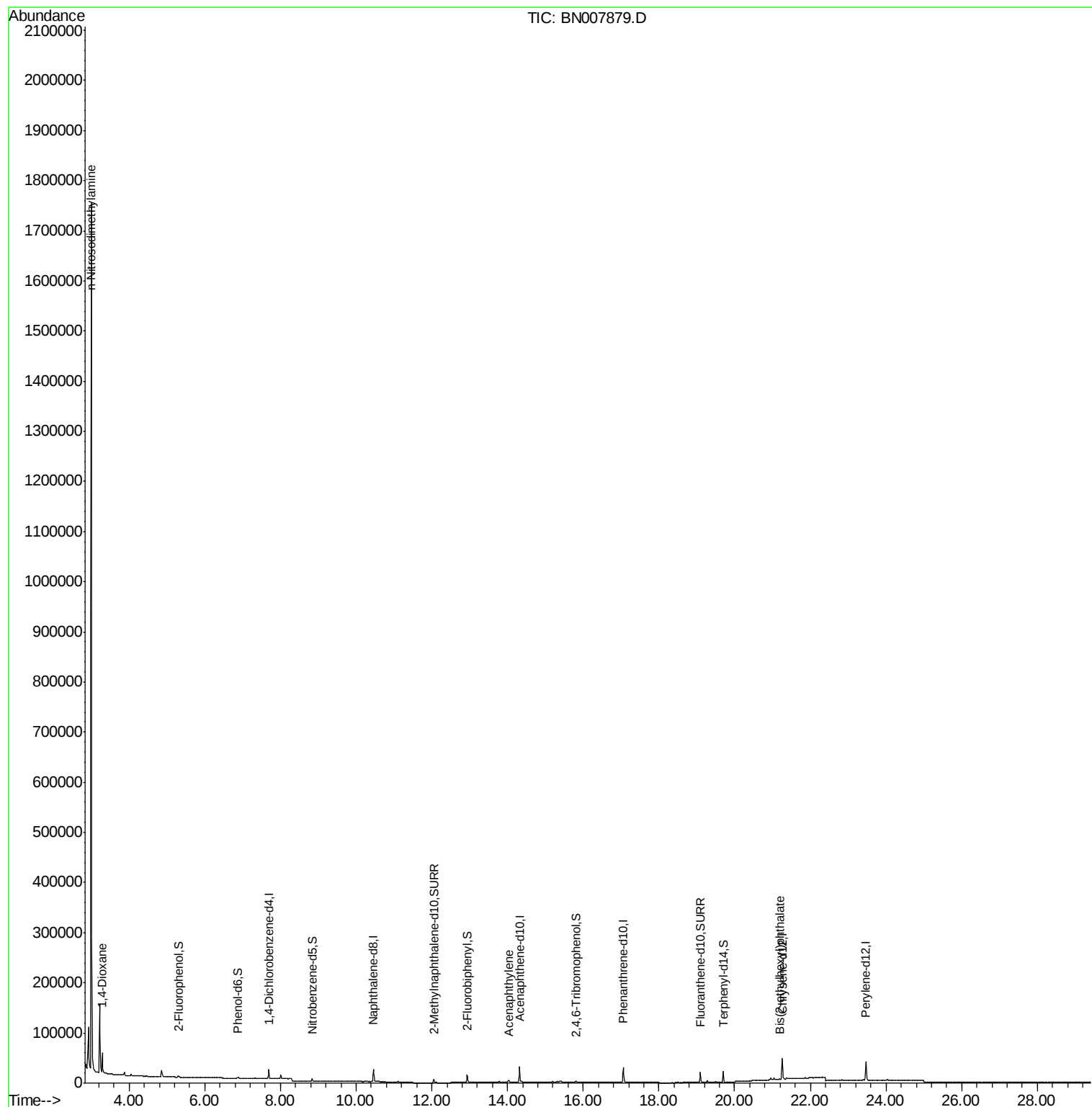
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 8936     | 0.40   | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.46 | 136  | 34947    | 0.40   | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.31 | 164  | 20219    | 0.40   | ng    | -0.01    |
| 19) Phenanthrene-d10           | 17.06 | 188  | 40946    | 0.40   | ng    | -0.01    |
| 27) Chrysene-d12               | 21.26 | 240  | 42919    | 0.40   | ng    | -0.01    |
| 34) Perylene-d12               | 23.47 | 264  | 46854    | 0.40   | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.31  | 112  | 1939     | 0.06   | ng    | 0.00     |
| 5) Phenol-d6                   | 6.87  | 99   | 1562     | 0.03   | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 5282     | 0.17   | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.05 | 152  | 10506    | 0.18   | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 1399     | 0.13   | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.93 | 172  | 14779    | 0.18   | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.09 | 212  | 24953    | 0.18   | ng    | -0.02    |
| 29) Terphenyl-d14              | 19.70 | 244  | 22140    | 0.21   | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.29  | 88   | 32982    | 3.311  | ng    | 93       |
| 3) n-Nitrosodimethylamine      | 3.00  | 42   | 128007   | 28.060 | ng    | # 66     |
| 16) Acenaphthylene             | 14.02 | 152  | 8948     | 0.083  | ng    | 98       |
| 32) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 1914     | 0.024  | ng    | # 93     |

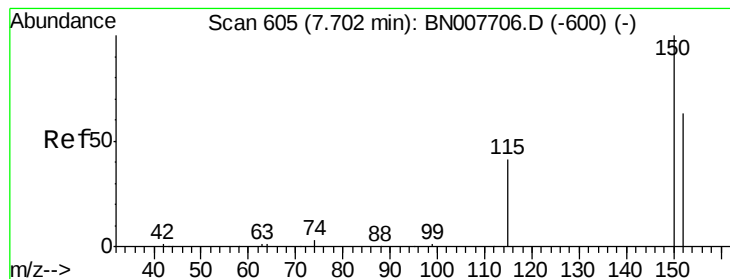
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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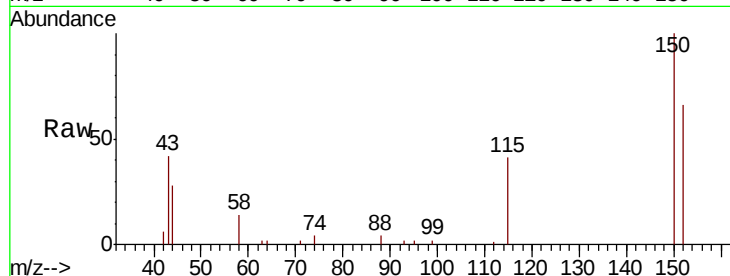


#1

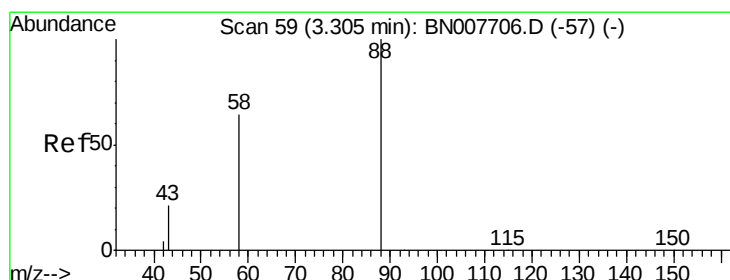
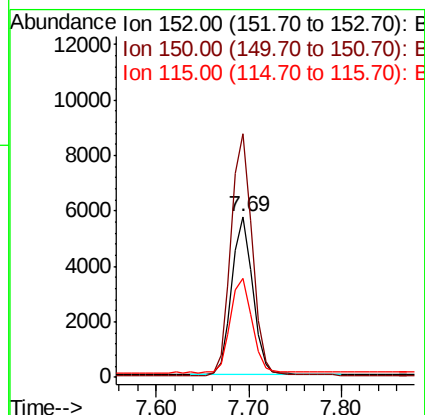
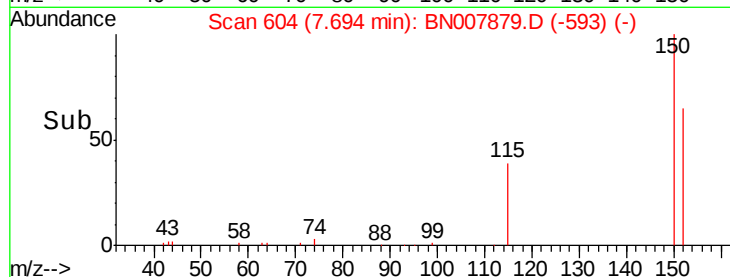
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.69 min Scan# 604  
 Delta R.T. -0.01 min  
 Lab File: BN007879.D  
 Acq: 26 Sep 2019 07:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP04-20190916DL

Tot Ion:152 Resp: 8936  
 Ion Ratio Lower Upper  
 152 100  
 150 151.8 125.6 188.4  
 115 61.9 53.3 79.9



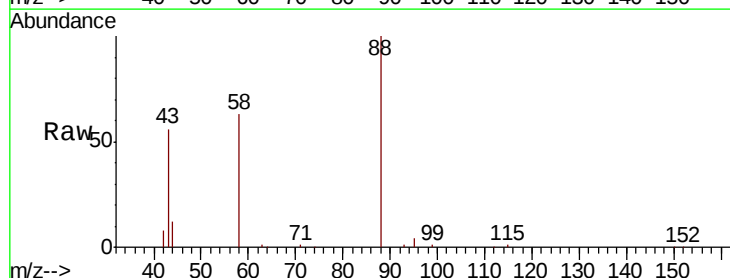
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



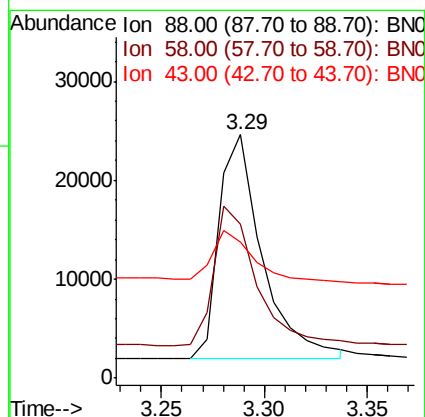
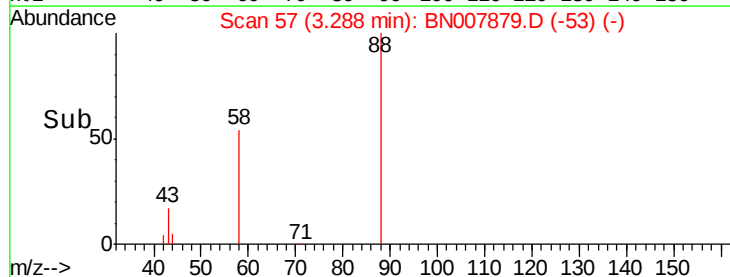
#2

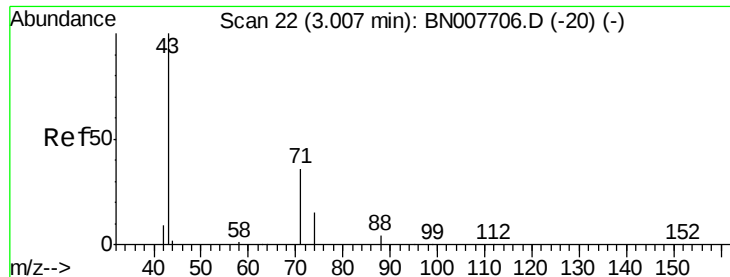
1,4-Dioxane  
 Concen: 3.311 ng  
 RT: 3.29 min Scan# 57  
 Delta R.T. -0.02 min  
 Lab File: BN007879.D  
 Acq: 26 Sep 2019 07:29

Tgt Ion: 88 Resp: 32982  
 Ion Ratio Lower Upper  
 88 100  
 58 60.8 44.6 66.8  
 43 21.1 14.4 21.6



Abundance Ion 88.00 (87.70 to 88.70): BNC  
 Ion 58.00 (57.70 to 58.70): BNC  
 Ion 43.00 (42.70 to 43.70): BNC

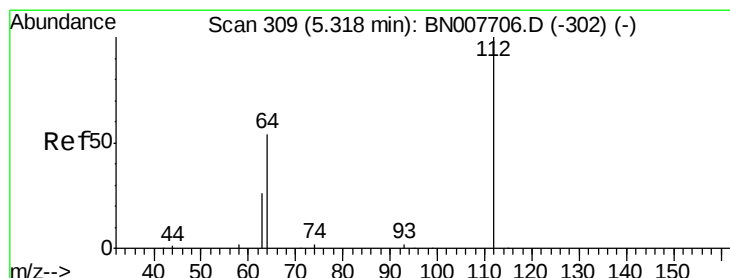
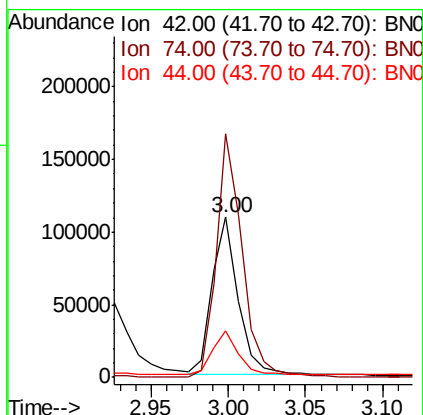
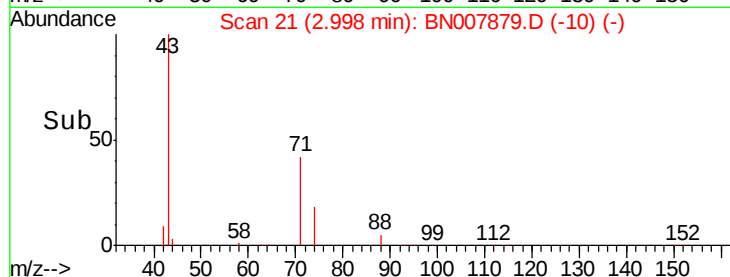
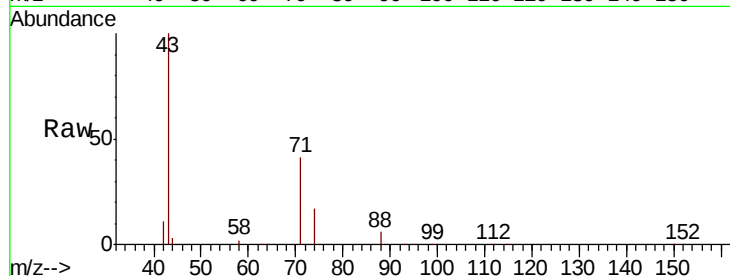




#3  
n-Nitrosodimethylamine  
Concen: 28.060 ng  
RT: 3.00 min Scan# 21  
Delta R.T. -0.01 min  
Lab File: BN007879.D  
Acq: 26 Sep 2019 07:29

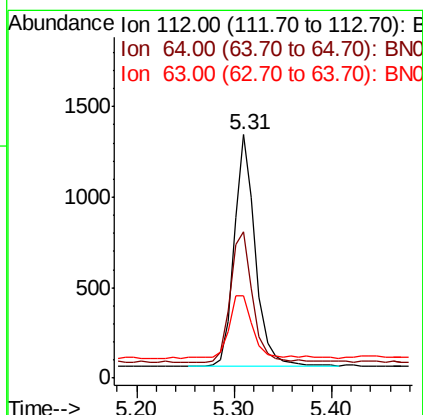
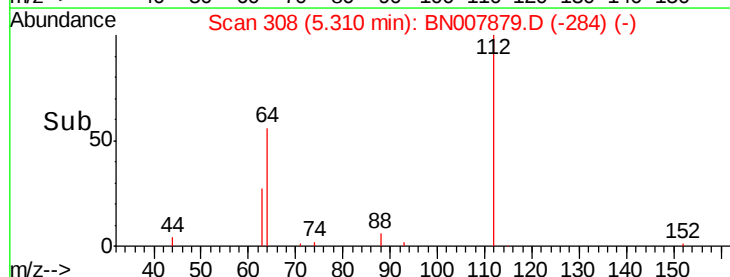
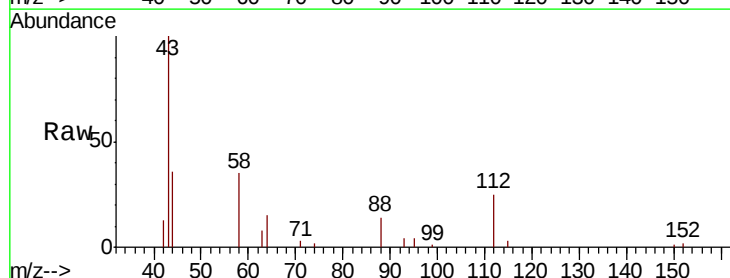
Instrument :  
BNA\_N  
ClientSampleId :  
DUP04-20190916DL

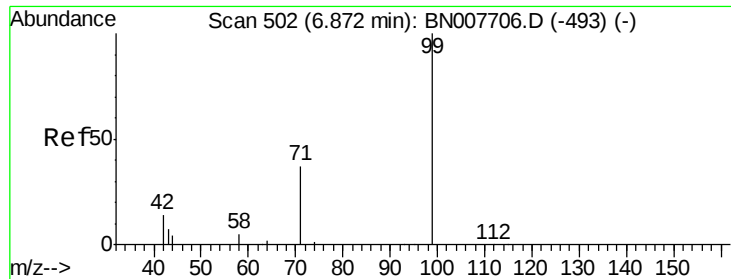
Tot Ion: 42 Resp: 128007  
Ion Ratio Lower Upper  
42 100  
74 151.5 87.9 131.9#  
44 27.0 29.4 44.0#



#4  
2-Fluorophenol  
Concen: 0.063 ng  
RT: 5.31 min Scan# 308  
Delta R.T. -0.01 min  
Lab File: BN007879.D  
Acq: 26 Sep 2019 07:29

Tgt Ion: 112 Resp: 1939  
Ion Ratio Lower Upper  
112 100  
64 59.7 46.6 70.0  
63 30.0 23.1 34.7





#5

Phenol-d6

Concen: 0.035 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

Instrument :

BNA\_N

ClientSampleId :

DUP04-20190916DL

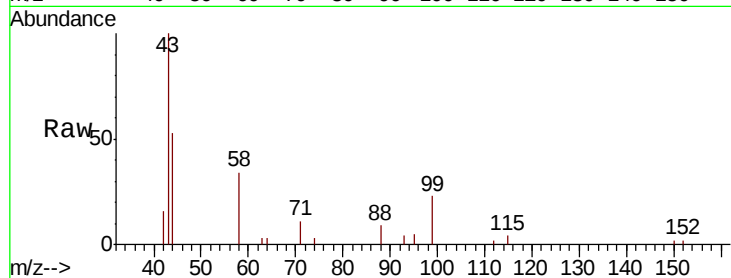
Tot Ion: 99 Resp: 1562

Ion Ratio Lower Upper

99 100

42 21.3 12.8 19.2#

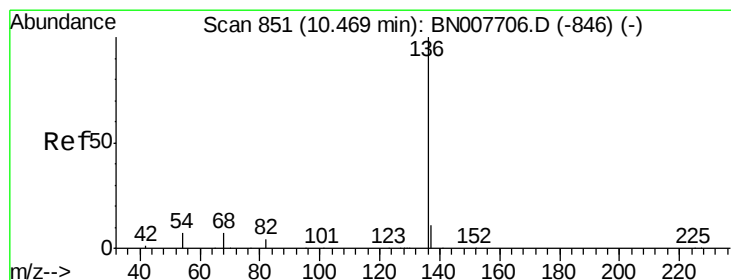
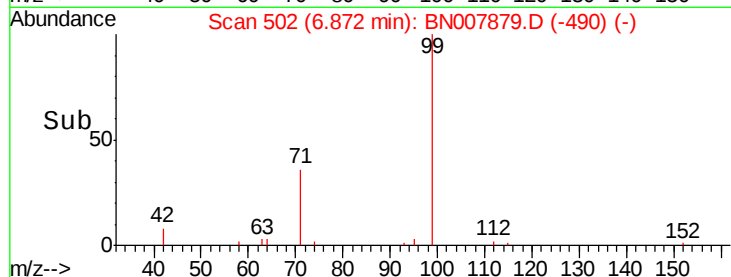
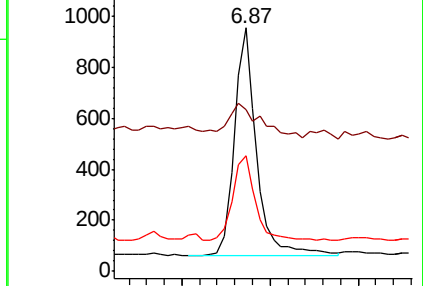
71 38.0 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

Tgt Ion: 136 Resp: 34947

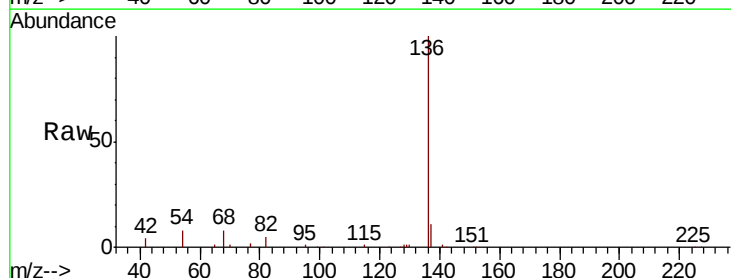
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 7.6 5.8 8.8

68 8.2 6.5 9.7

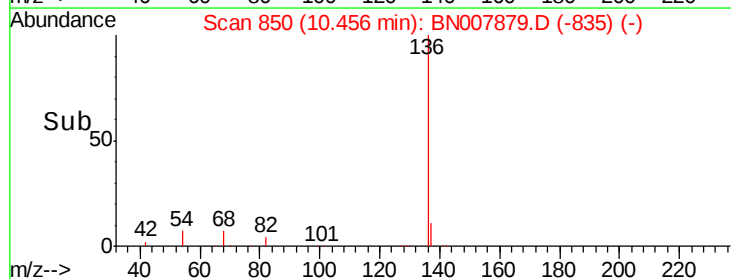
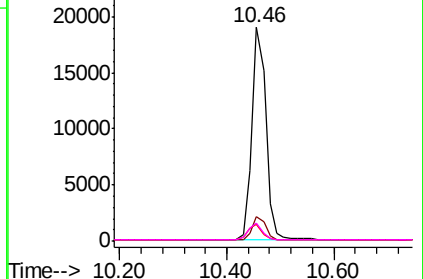


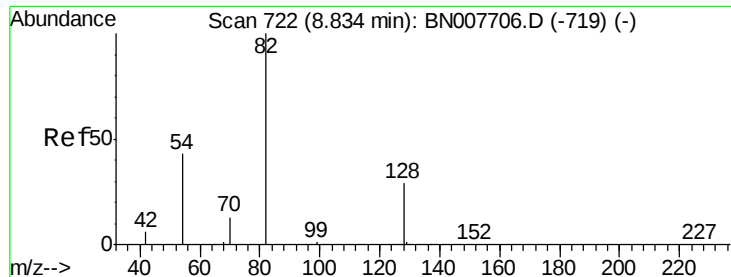
Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)

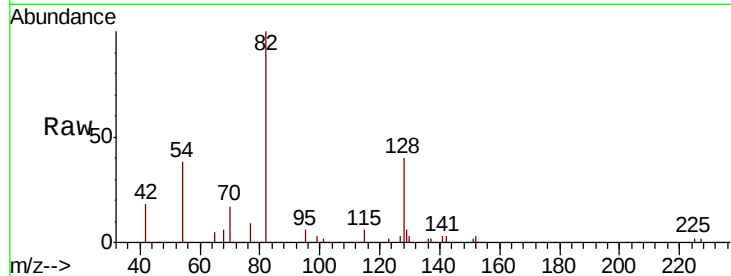




#8  
 Nitrobenzene-d5  
 Concen: 0.173 ng  
 RT: 8.83 min Scan# 722  
 Delta R.T. -0.00 min  
 Lab File: BN007879.D  
 Acq: 26 Sep 2019 07:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP04-20190916DL

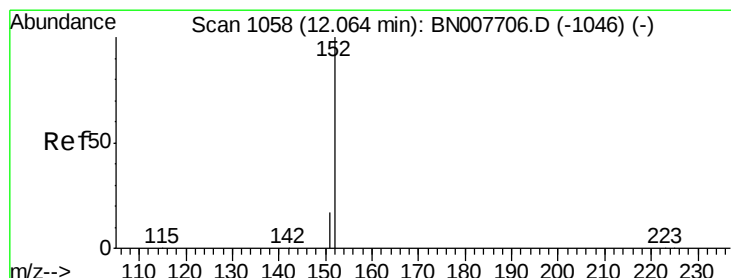
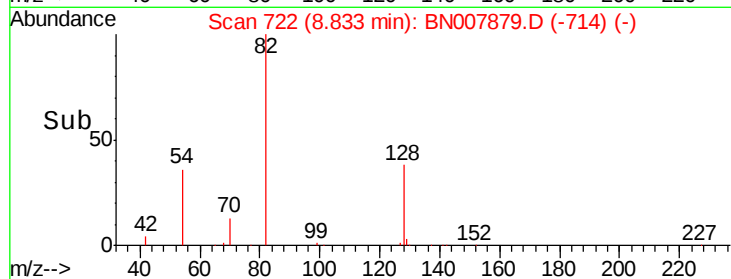
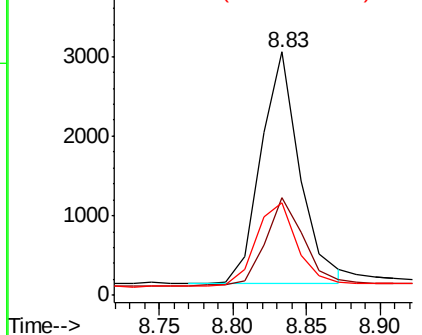
| Tot Ion   | 82    | Resp  | 5282  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 40.2  | 24.5  | 36.7# |
| 54        | 38.1  | 35.2  | 52.8  |



Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

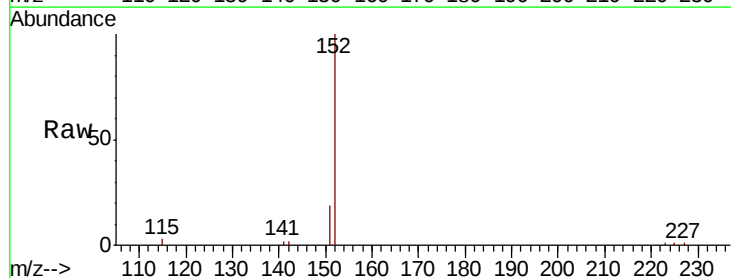
Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



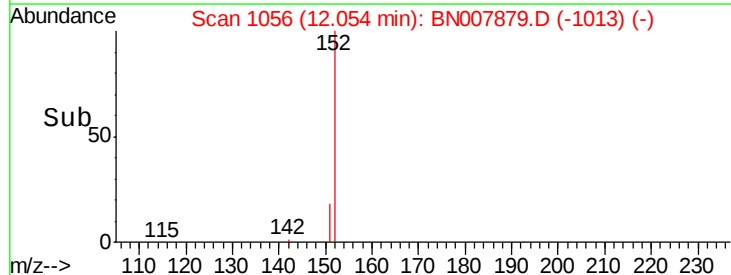
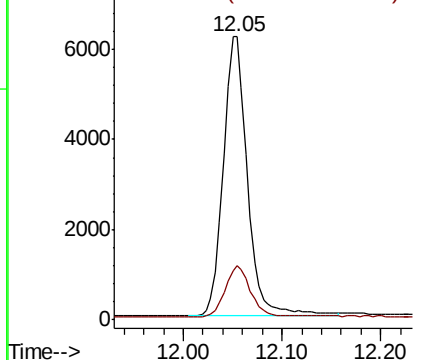
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.178 ng  
 RT: 12.05 min Scan# 1056  
 Delta R.T. -0.01 min  
 Lab File: BN007879.D  
 Acq: 26 Sep 2019 07:29

| Tgt Ion   | 152   | Resp  | 10506 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 19.4  | 15.4  | 23.2  |



Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

Instrument :

BNA\_N

ClientSampleId :

DUP04-20190916DL

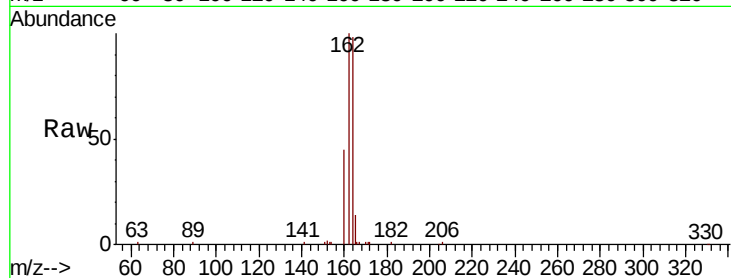
Tot Ion:164 Resp: 20219

Ion Ratio Lower Upper

164 100

162 101.8 81.7 122.5

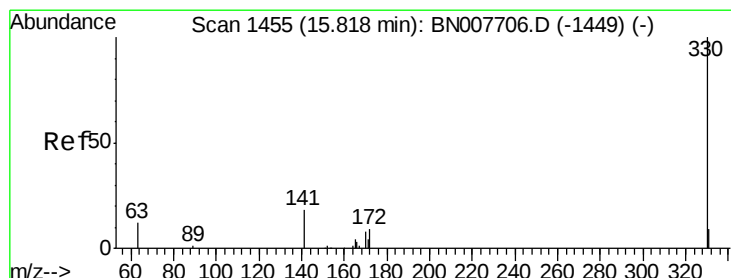
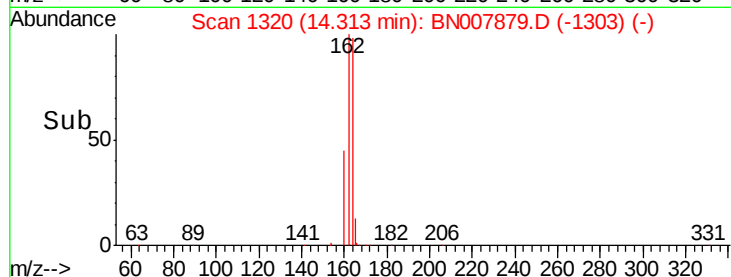
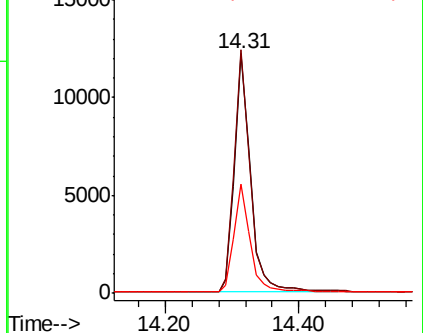
160 45.8 37.0 55.4



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: 0.127 ng

RT: 15.81 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

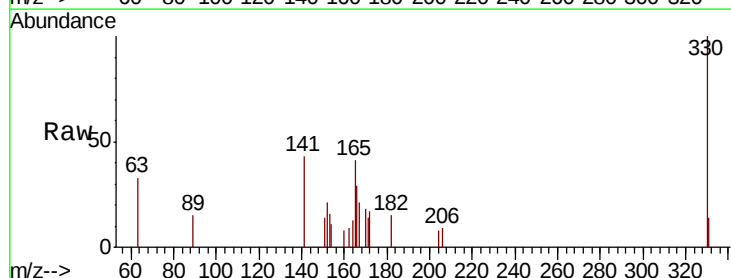
Tgt Ion:330 Resp: 1399

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

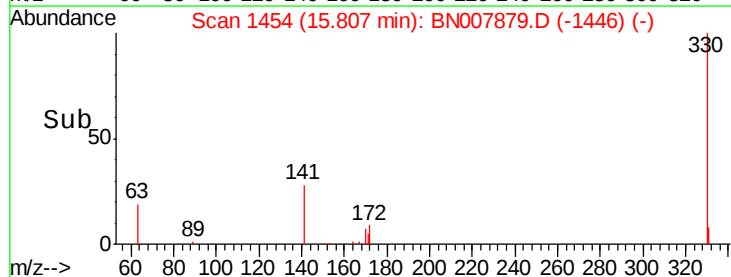
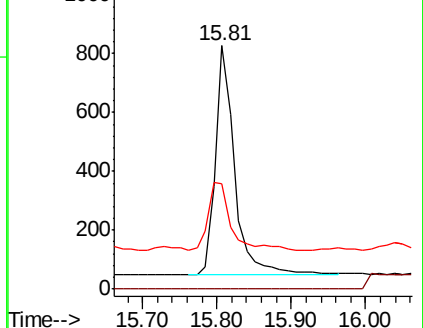
141 35.9 28.7 43.1



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

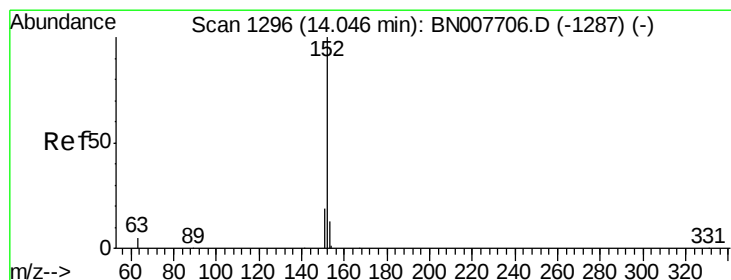
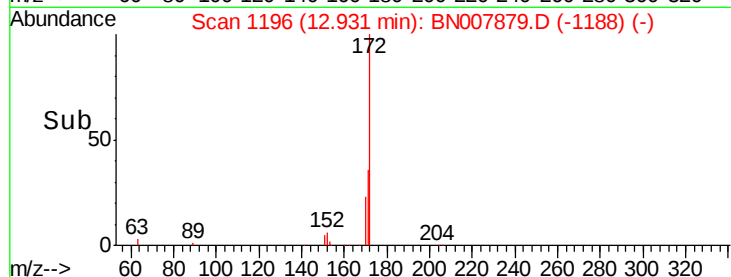
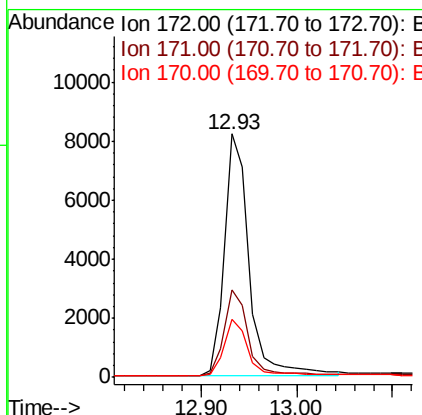
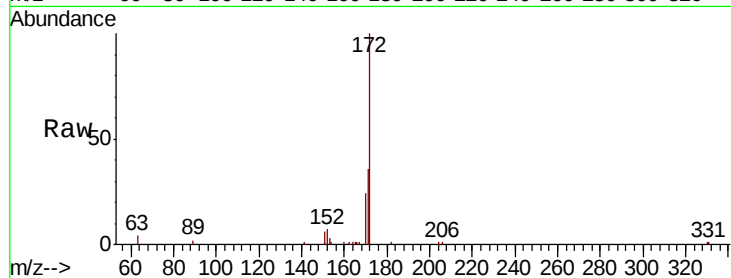




#15  
2-Fluorobiphenyl  
Concen: 0.177 ng  
RT: 12.93 min Scan# 1196  
Delta R.T. -0.01 min  
Lab File: BN007879.D  
Acq: 26 Sep 2019 07:29

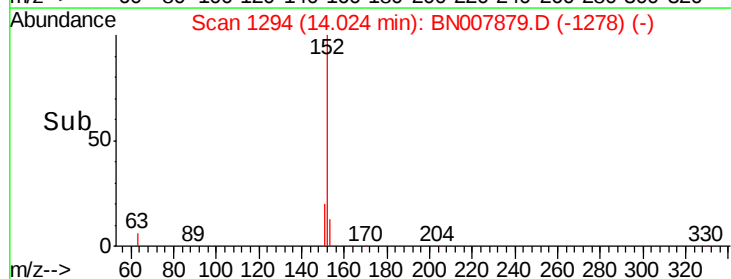
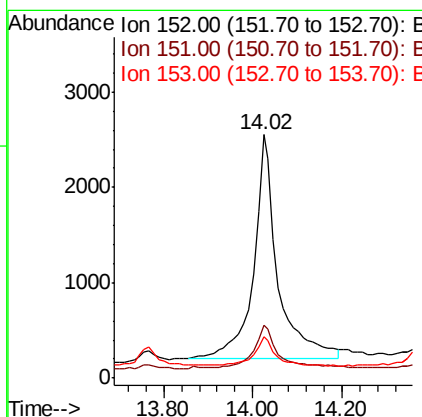
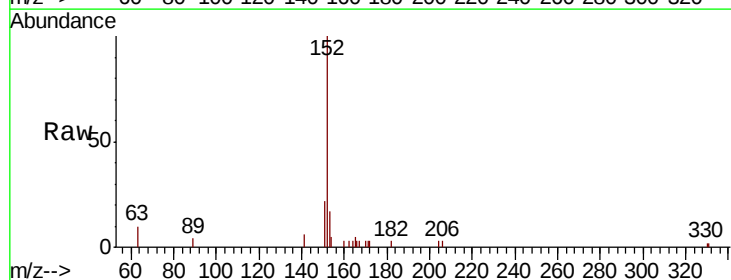
Instrument :  
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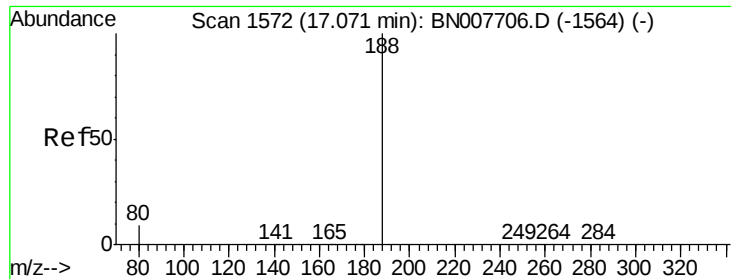
Tot Ion:172 Resp: 14779  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.8 43.2  
170 23.9 19.5 29.3



#16  
Acenaphthylene  
Concen: 0.083 ng  
RT: 14.02 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BN007879.D  
Acq: 26 Sep 2019 07:29

Tgt Ion:152 Resp: 8948  
Ion Ratio Lower Upper  
152 100  
151 18.3 15.5 23.3  
153 12.0 10.4 15.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

Instrument :

BNA\_N

ClientSampleId :

DUP04-20190916DL

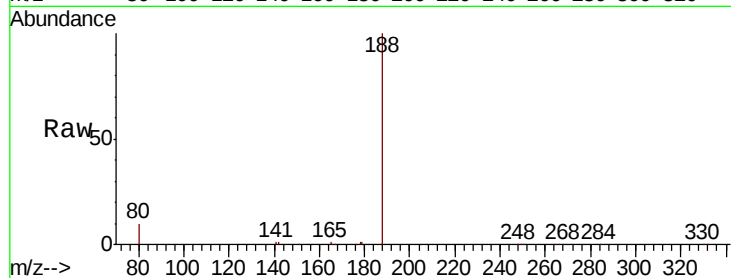
Tot Ion:188 Resp: 40946

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

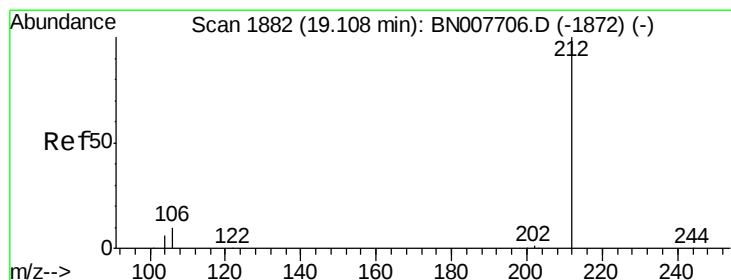
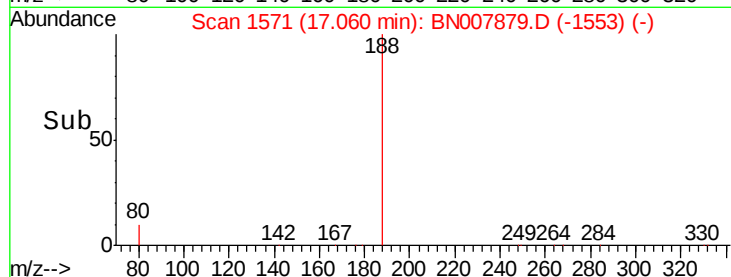
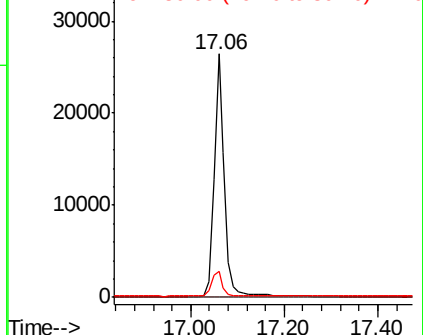
80 10.4 7.4 11.2



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



#25

Fluoranthene-d10

Concen: 0.181 ng

RT: 19.09 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

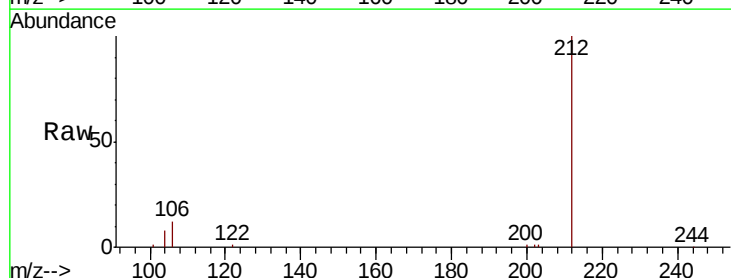
Tgt Ion:212 Resp: 24953

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

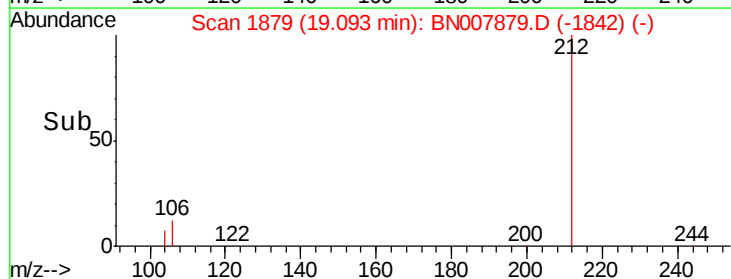
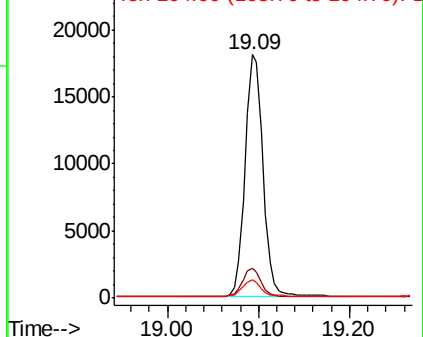
104 6.7 5.3 7.9

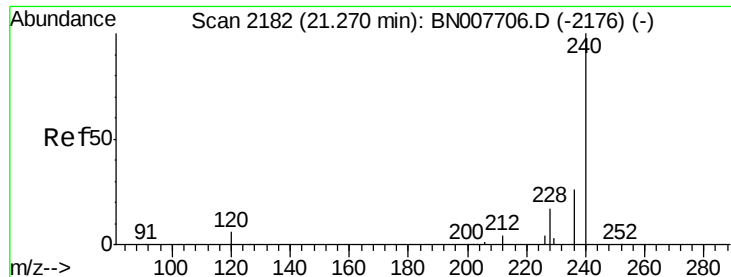


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.26 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

Instrument :

BNA\_N

ClientSampleId :

DUP04-20190916DL

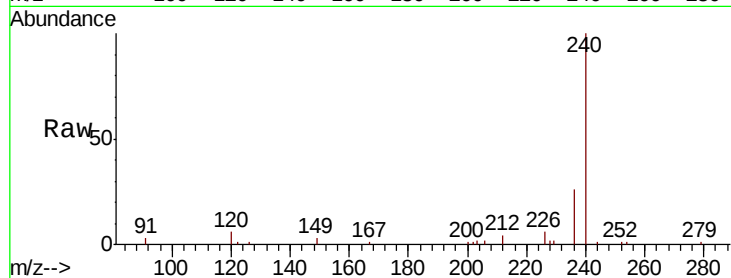
Tot Ion:240 Resp: 42919

Ion Ratio Lower Upper

240 100

120 6.0 5.4 8.2

236 25.9 21.0 31.4

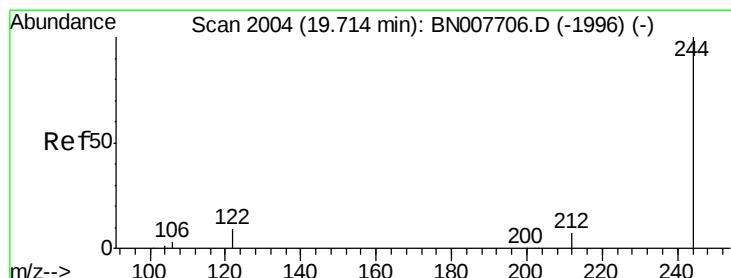
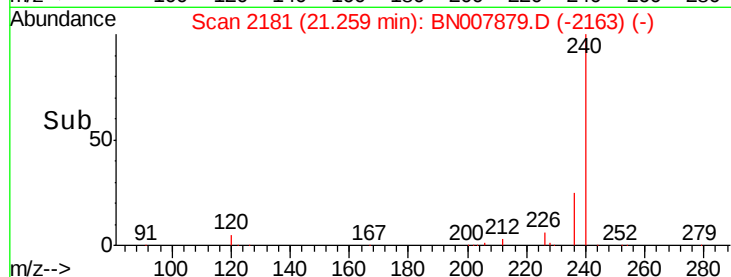
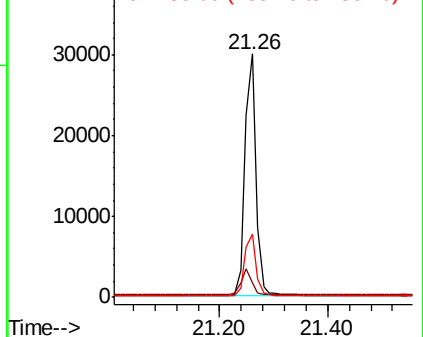


Abundance

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: 0.210 ng

RT: 19.70 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

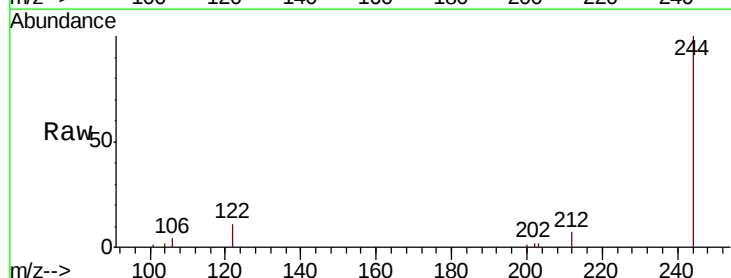
Tgt Ion:244 Resp: 22140

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 10.6 7.4 11.2

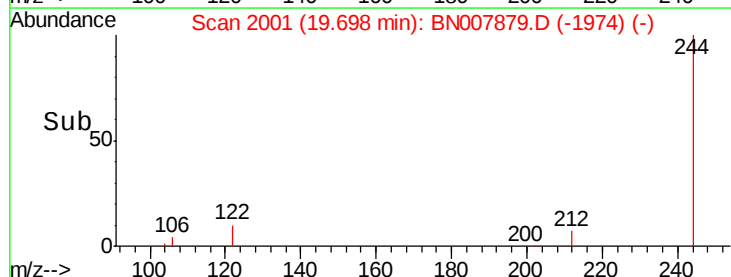
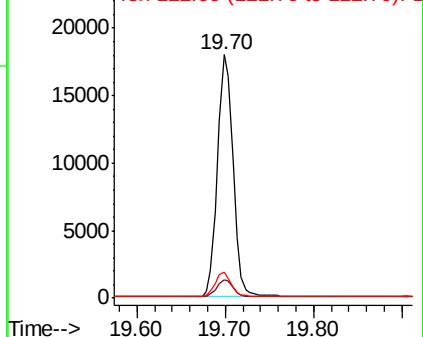


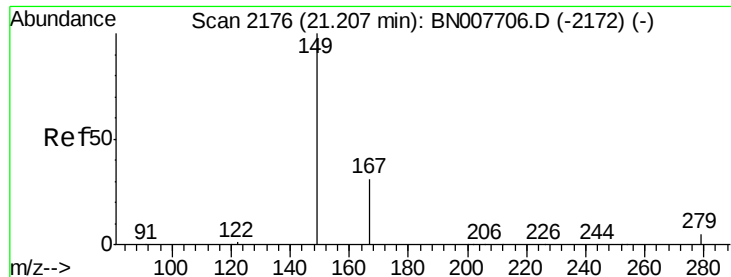
Abundance

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.024 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

Instrument :

BNA\_N

ClientSampleId :

DUP04-20190916DL

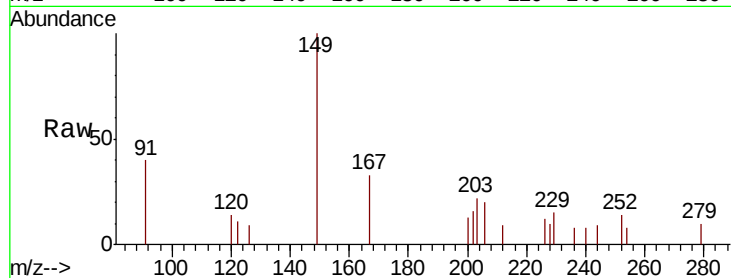
Tot Ion:149 Resp: 1914

Ion Ratio Lower Upper

149 100

167 33.2 23.7 35.5

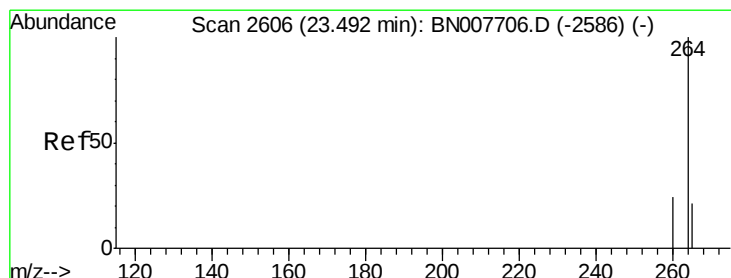
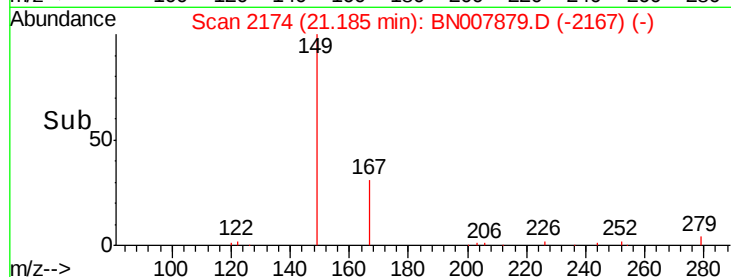
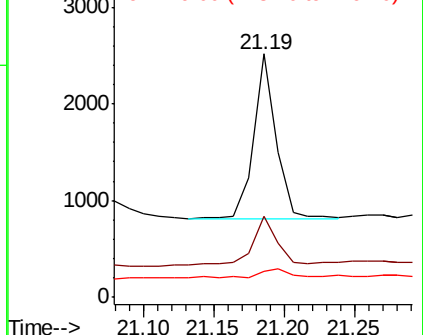
279 8.5 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2600

Delta R.T. -0.02 min

Lab File: BN007879.D

Acq: 26 Sep 2019 07:29

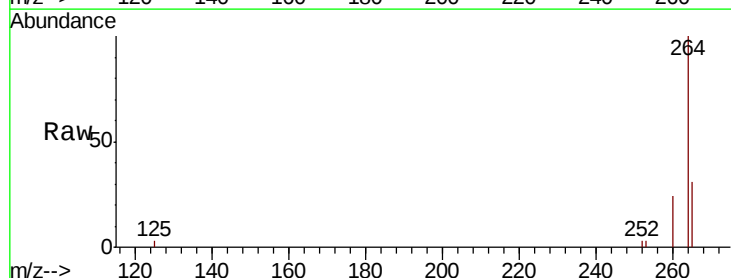
Tgt Ion:264 Resp: 46854

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

265 30.6 26.9 40.3



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

