

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\  
 Data File : BN007724.D  
 Acq On : 19 Sep 2019 02:15  
 Operator : HP/JU  
 Sample : K4896-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE104D2-20190912

Quant Time: Sep 19 07:26:59 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

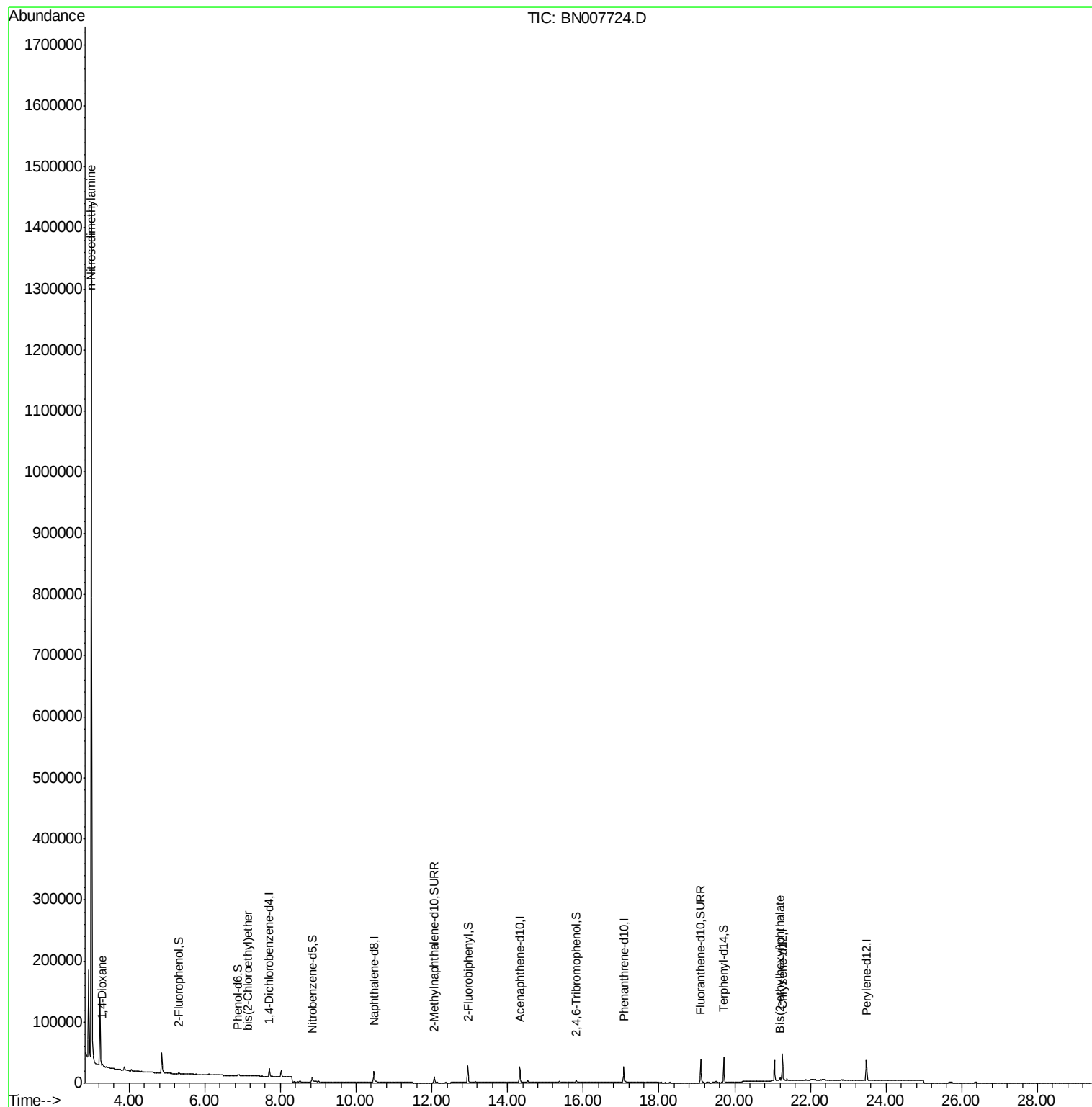
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.70  | 152  | 6220     | 0.40   | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.47 | 136  | 24295    | 0.40   | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.32 | 164  | 15001    | 0.40   | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.07 | 188  | 34473    | 0.40   | ng    | 0.00     |
| 27) Chrysene-d12               | 21.26 | 240  | 38761    | 0.40   | ng    | 0.00     |
| 34) Perylene-d12               | 23.48 | 264  | 42852    | 0.40   | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.32  | 112  | 2555     | 0.12   | ng    | 0.00     |
| 5) Phenol-d6                   | 6.87  | 99   | 1970     | 0.07   | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 7164     | 0.34   | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.06 | 152  | 14513    | 0.35   | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 2116     | 0.26   | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.95 | 172  | 25473    | 0.41   | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.10 | 212  | 43064    | 0.37   | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.71 | 244  | 41555    | 0.44   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.30  | 88   | 2442     | 0.352  | ng    | # 70     |
| 3) n-Nitrosodimethylamine      | 3.01  | 42   | 105783   | 33.314 | ng    | # 70     |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93   | 1356     | 0.077  | ng    | # 85     |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 4326     | 0.059  | ng    | 96       |

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

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QLast Update : Wed Sep 18 18:24:40 2019  
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.70 min Scan# 605

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

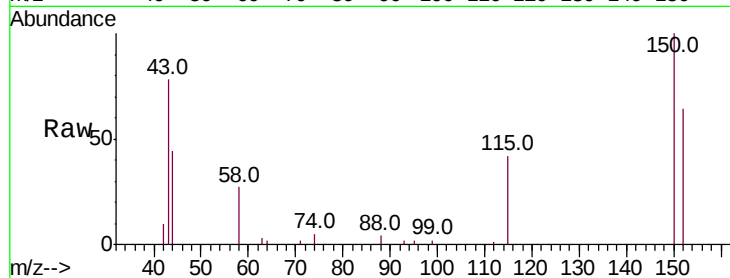
Tot Ion:152 Resp: 6220

Ion Ratio Lower Upper

152 100

150 155.7 125.6 188.4

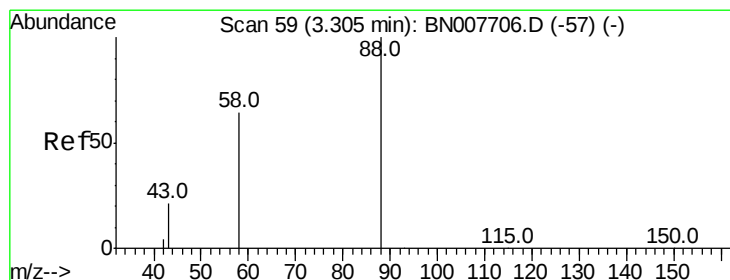
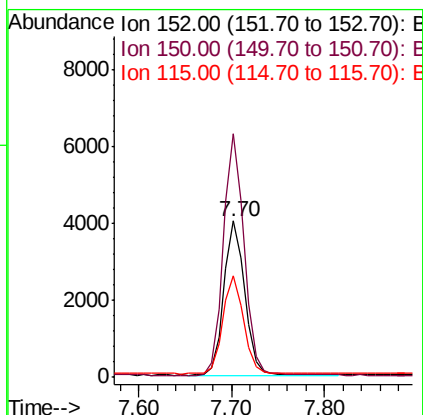
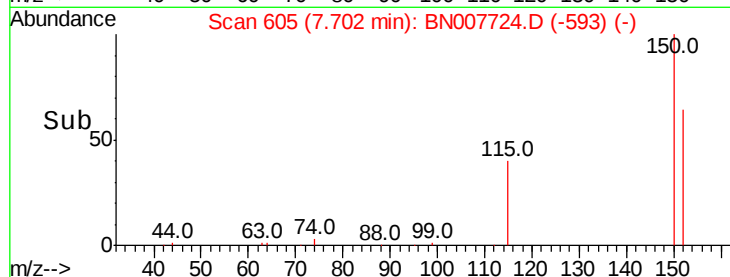
115 64.7 53.3 79.9



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: 0.352 ng

RT: 3.30 min Scan# 59

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

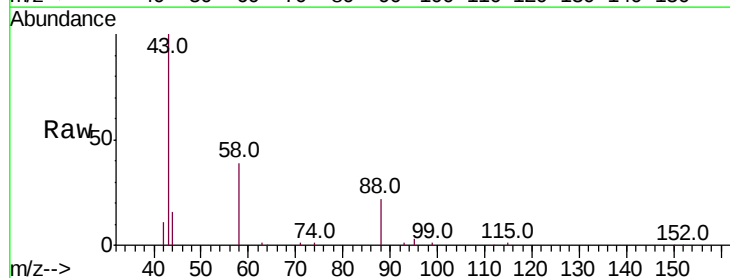
Tgt Ion: 88 Resp: 2442

Ion Ratio Lower Upper

88 100

58 74.9 44.6 66.8#

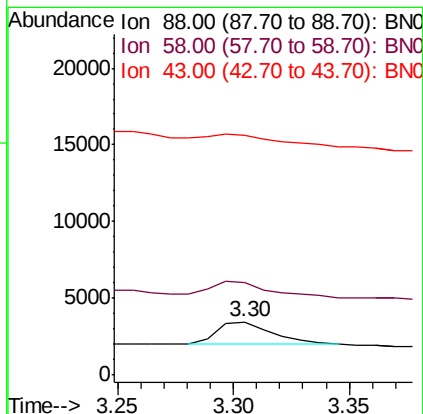
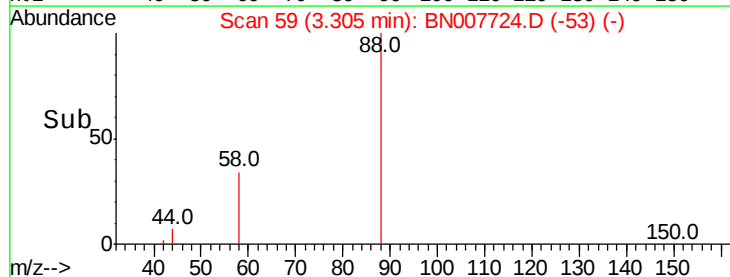
43 0.0 14.4 21.6#



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: 33.314 ng

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

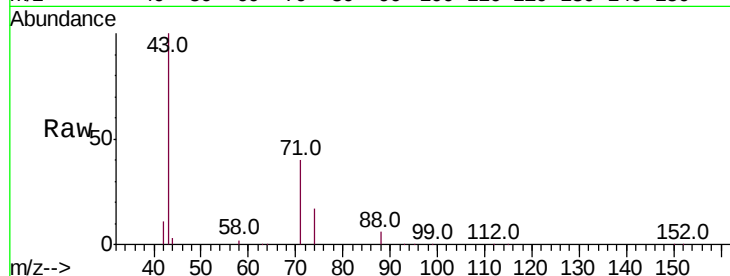
Tot Ion: 42 Resp: 105783

Ion Ratio Lower Upper

42 100

74 146.7 87.9 131.9#

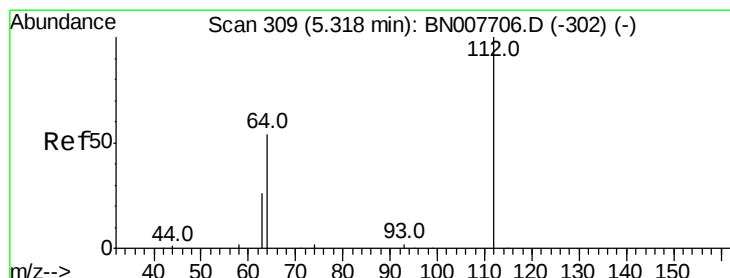
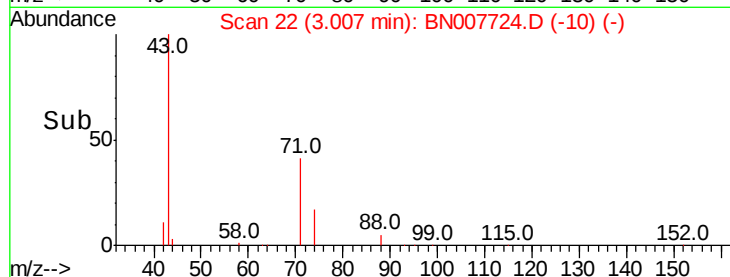
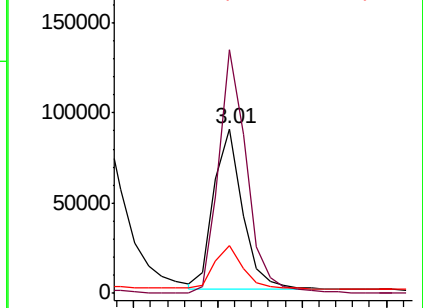
44 26.5 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): BN007706.D (-20) (-)

Ion 74.00 (73.70 to 74.70): BN007724.D (-10) (-)

Ion 44.00 (43.70 to 44.70): BN007724.D (-10) (-)



#4

2-Fluorophenol

Concen: 0.119 ng

RT: 5.32 min Scan# 309

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

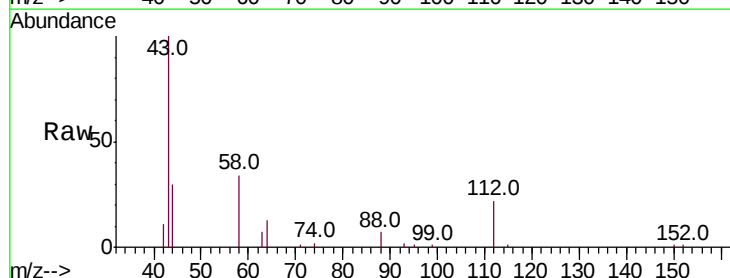
Tgt Ion: 112 Resp: 2555

Ion Ratio Lower Upper

112 100

64 59.8 46.6 70.0

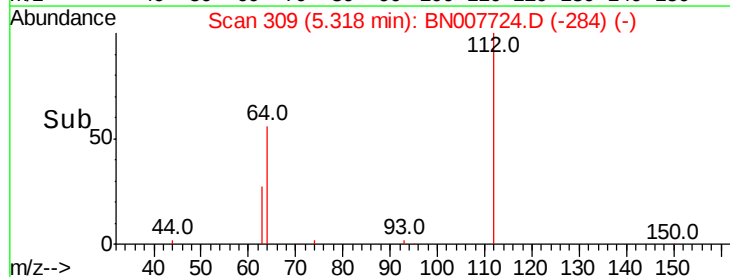
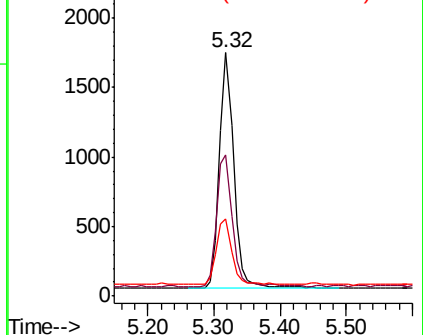
63 30.2 23.1 34.7

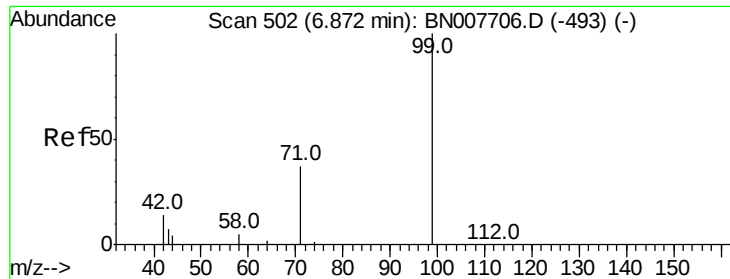


Abundance Ion 112.00 (111.70 to 112.70): BN007706.D (-302) (-)

Ion 64.00 (63.70 to 64.70): BN007724.D (-284) (-)

Ion 63.00 (62.70 to 63.70): BN007724.D (-284) (-)





#5

Phenol-d6

Concen: 0.069 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

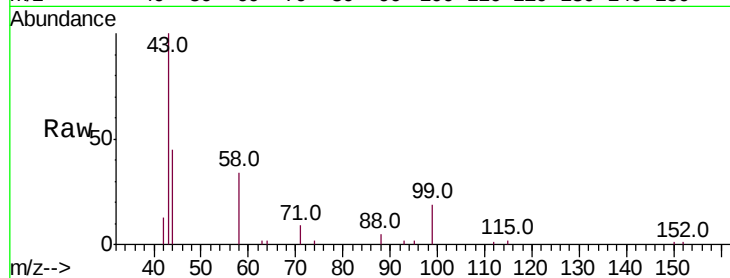
Tot Ion: 99 Resp: 1970

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

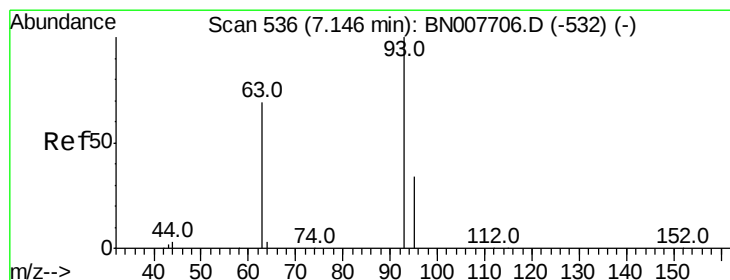
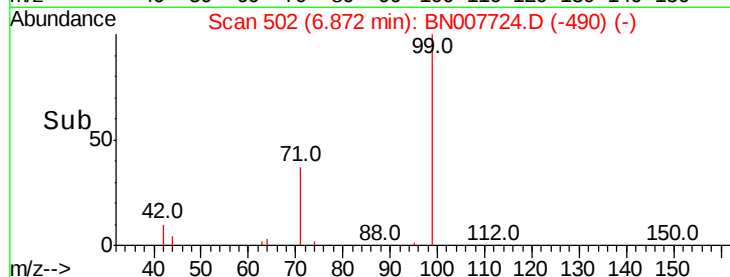
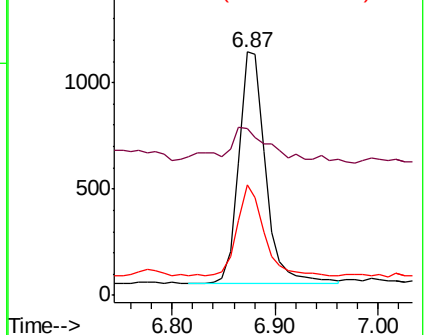
71 39.3 27.6 41.4



Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.077 ng

RT: 7.15 min Scan# 536

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

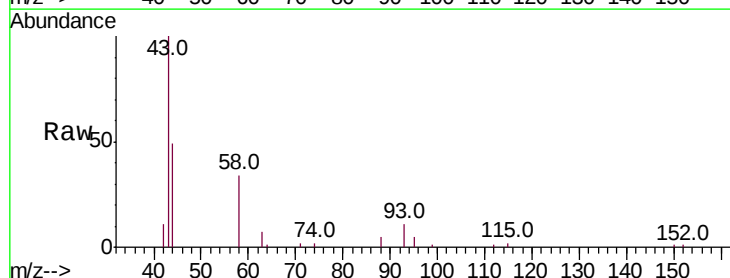
Tgt Ion: 93 Resp: 1356

Ion Ratio Lower Upper

93 100

63 57.8 59.3 88.9#

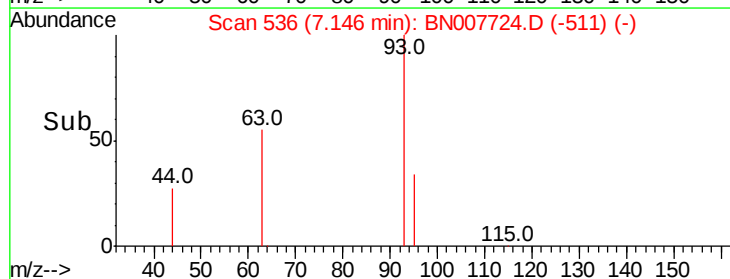
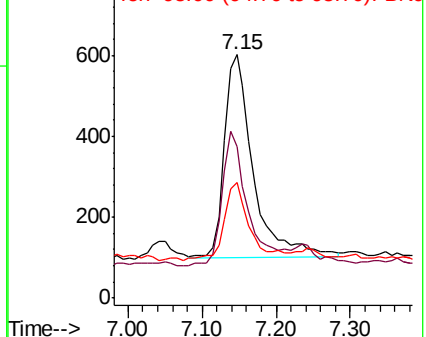
95 34.5 31.4 47.0

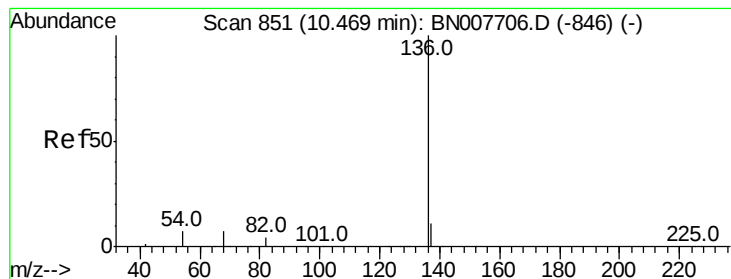


Abundance Ion 93.00 (92.70 to 93.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

Tot Ion:136 Resp: 24295

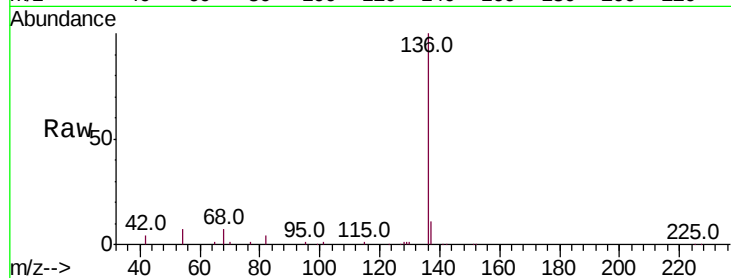
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.9 5.8 8.8

68 7.3 6.5 9.7

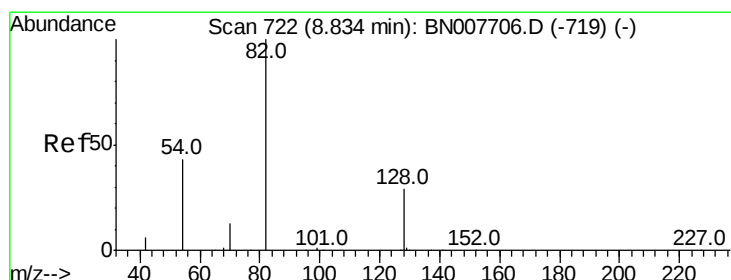
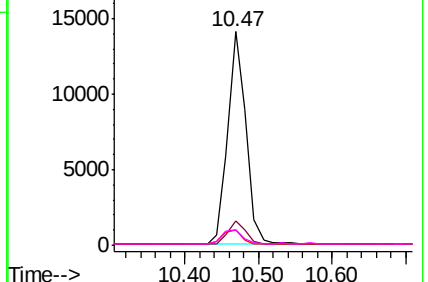
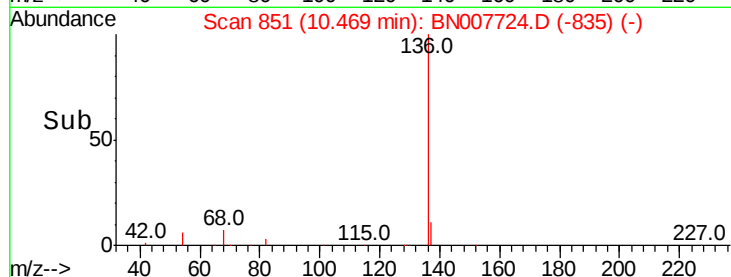


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.337 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

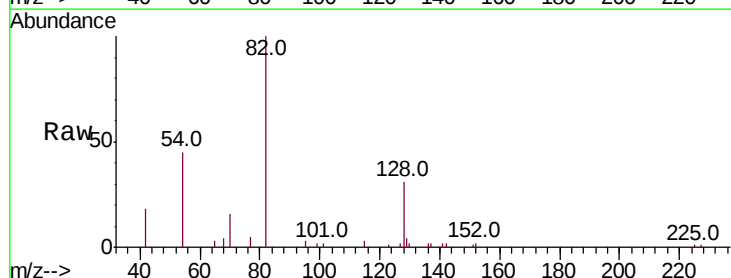
Tgt Ion: 82 Resp: 7164

Ion Ratio Lower Upper

82 100

128 31.1 24.5 36.7

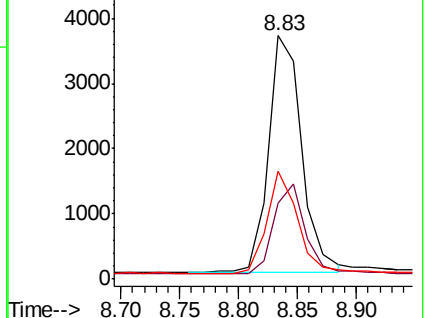
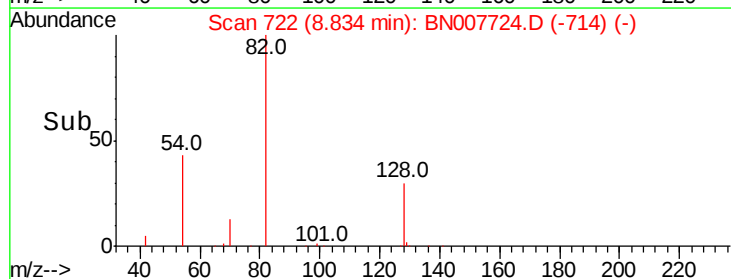
54 44.6 35.2 52.8

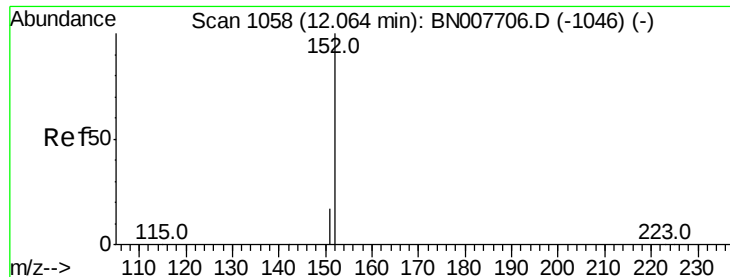


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.355 ng

RT: 12.06 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

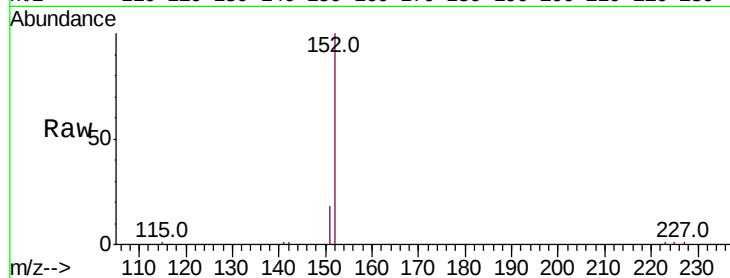
RE104D2-20190912

Tot Ion:152 Resp: 14513

Ion Ratio Lower Upper

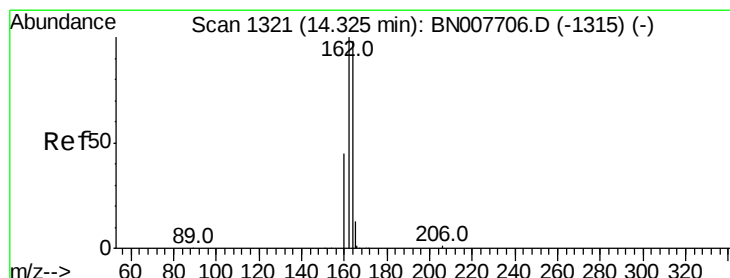
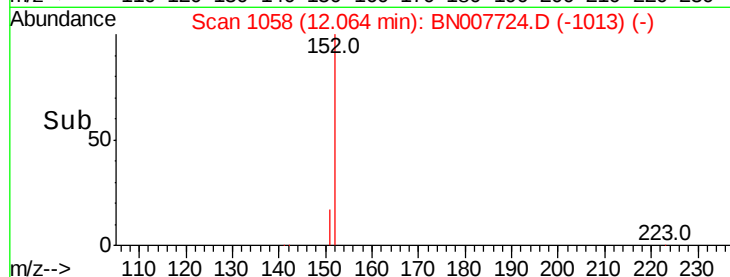
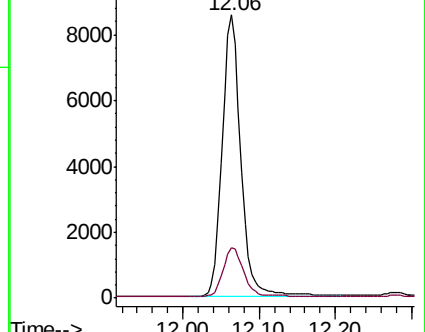
152 100

151 19.0 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

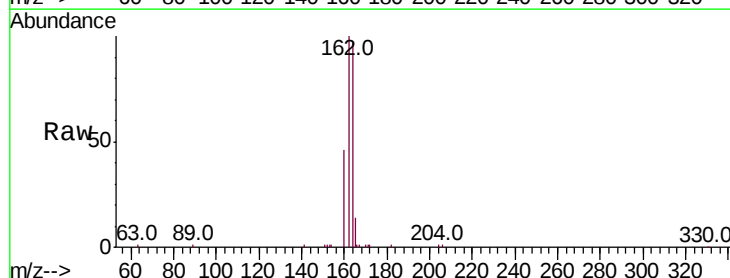
Tgt Ion:164 Resp: 15001

Ion Ratio Lower Upper

164 100

162 103.4 81.7 122.5

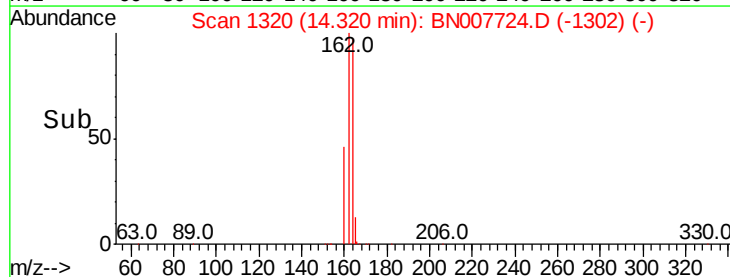
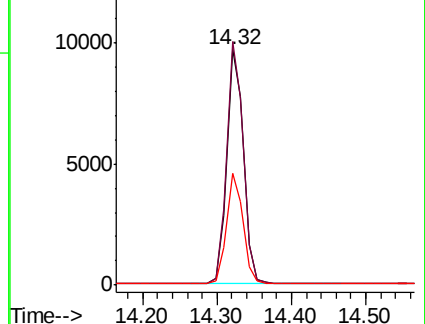
160 47.4 37.0 55.4



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

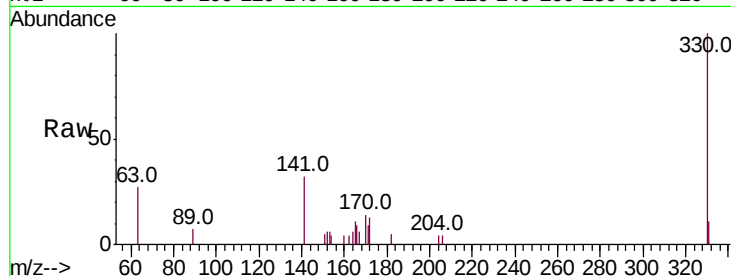




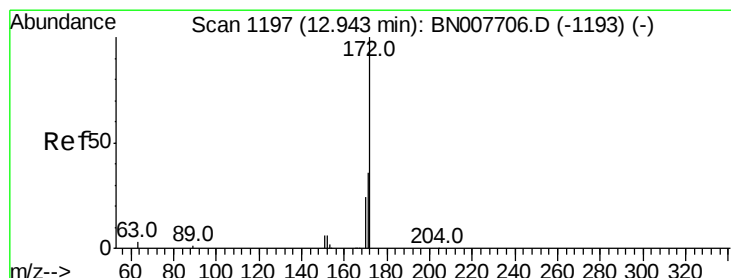
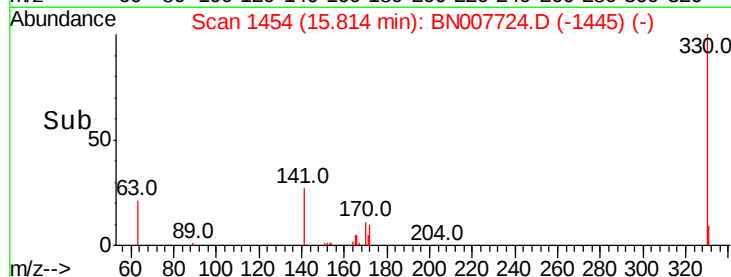
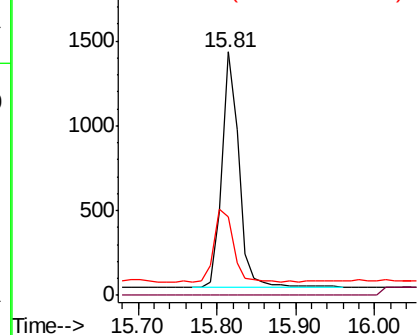
#14  
 2,4,6-Tribromophenol  
 Concen: 0.259 ng  
 RT: 15.81 min Scan# 1454  
 Delta R.T. -0.00 min  
 Lab File: BN007724.D  
 Acq: 19 Sep 2019 02:15

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE104D2-20190912

Tot Ion:330 Resp: 2116  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 34.1 28.7 43.1

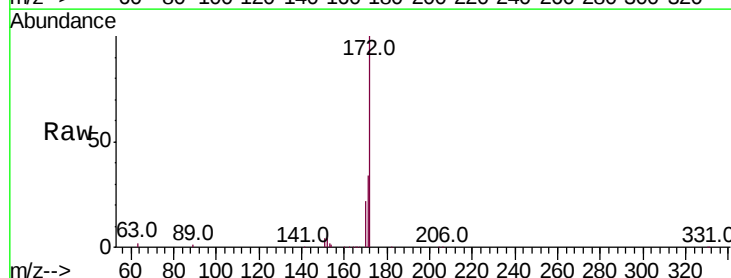


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

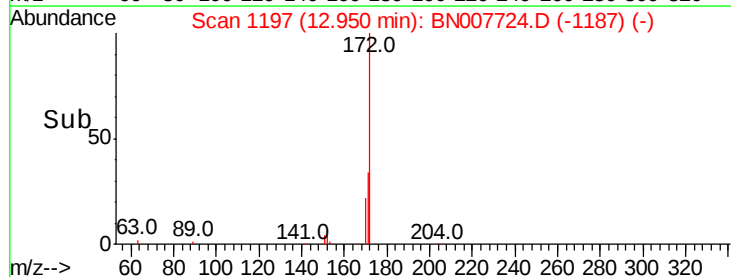
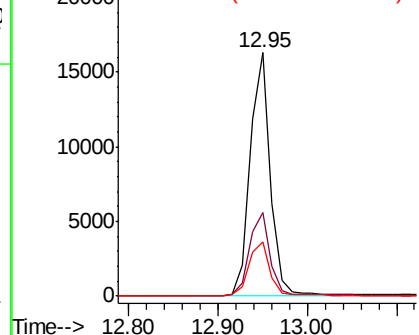


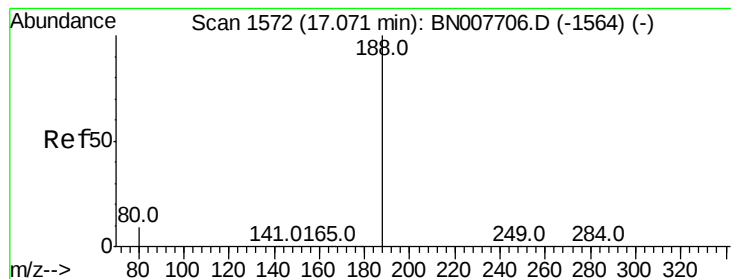
#15  
 2-Fluorobiphenyl  
 Concen: 0.412 ng  
 RT: 12.95 min Scan# 1197  
 Delta R.T. 0.01 min  
 Lab File: BN007724.D  
 Acq: 19 Sep 2019 02:15

Tgt Ion:172 Resp: 25473  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 28.8 43.2  
 170 22.1 19.5 29.3



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

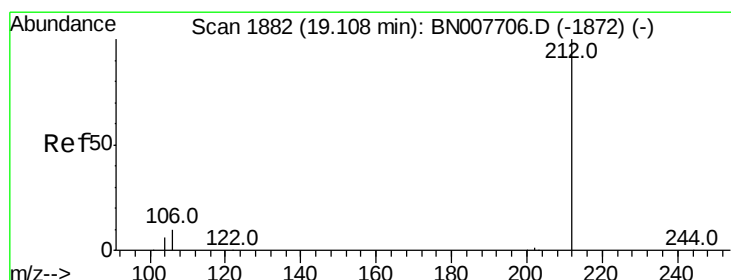
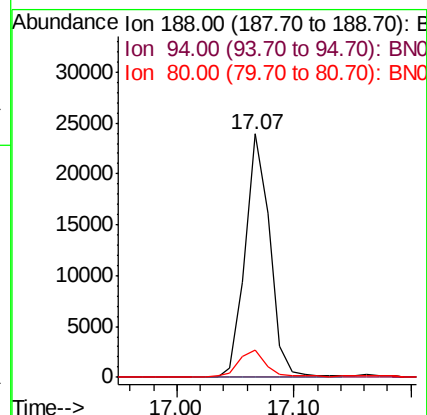
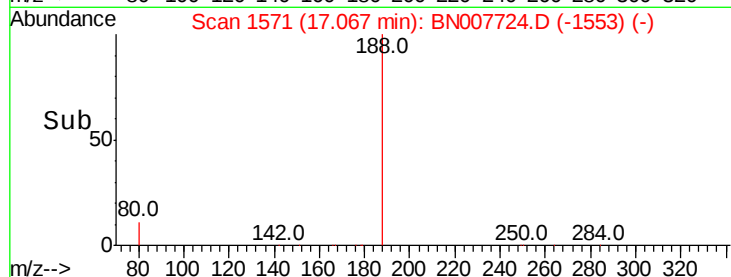
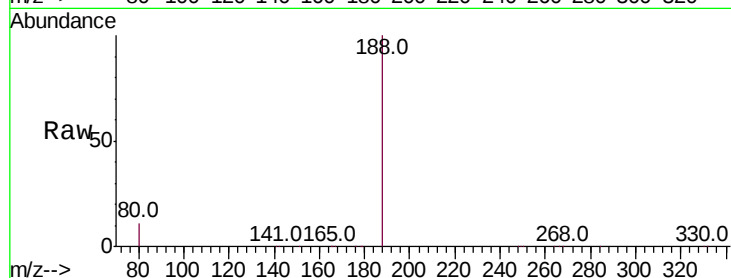
Tot Ion:188 Resp: 34473

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.5 7.4 11.2#



#25

Fluoranthene-d10

Concen: 0.371 ng

RT: 19.10 min Scan# 1880

Delta R.T. -0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

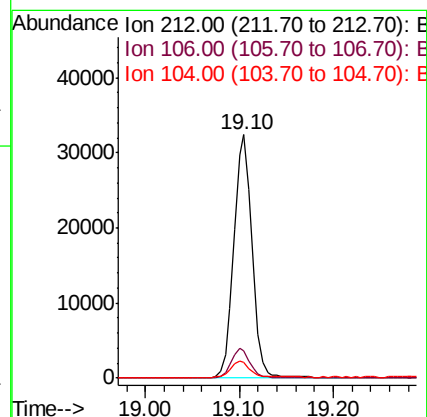
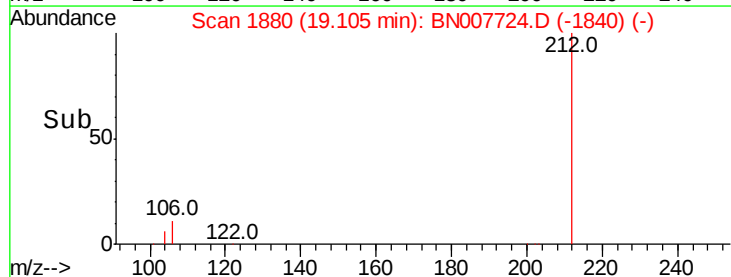
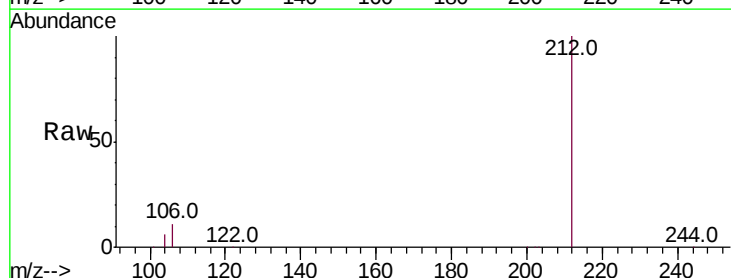
Tgt Ion:212 Resp: 43064

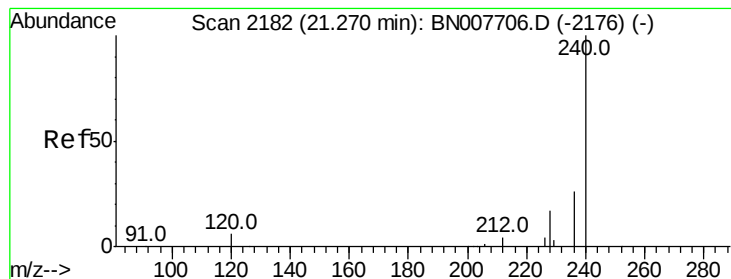
Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

104 6.6 5.3 7.9





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.26 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

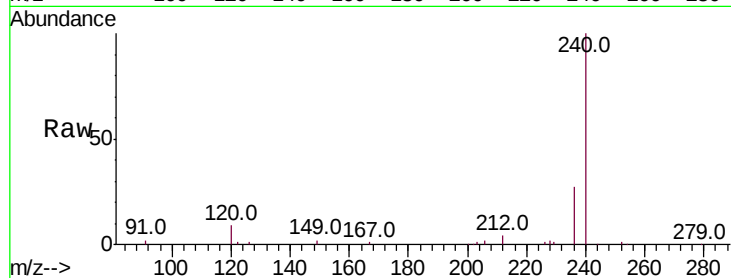
Tot Ion:240 Resp: 38761

Ion Ratio Lower Upper

240 100

120 9.3 5.4 8.2#

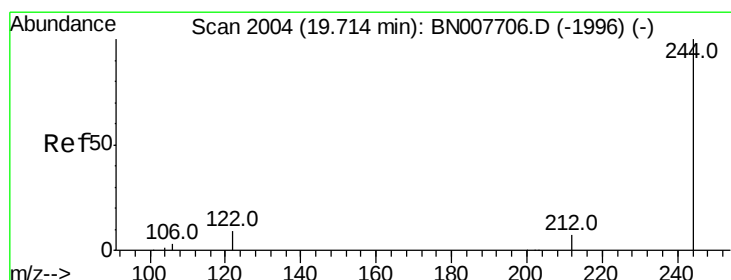
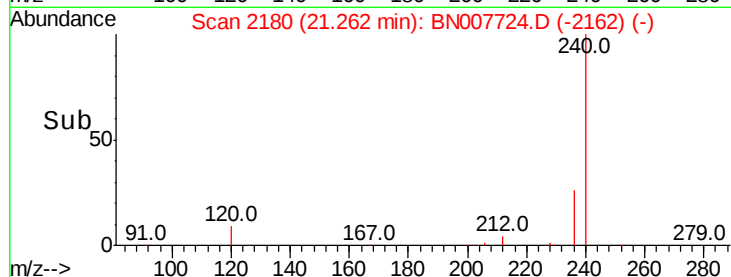
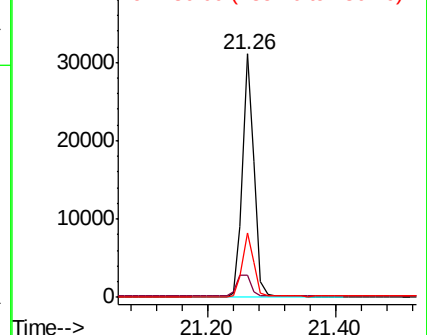
236 26.6 21.0 31.4



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: 0.436 ng

RT: 19.71 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

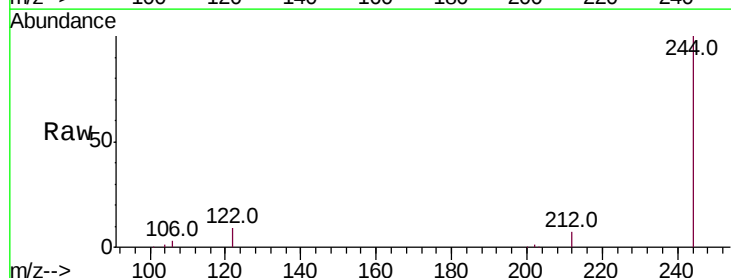
Tgt Ion:244 Resp: 41555

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

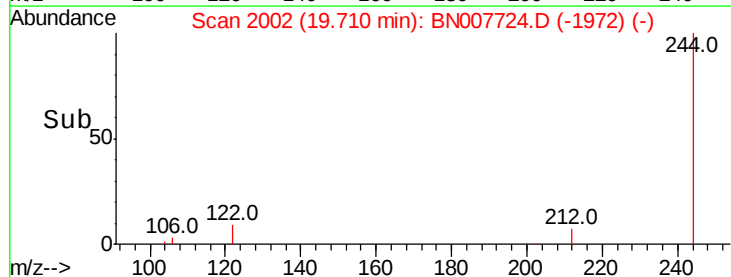
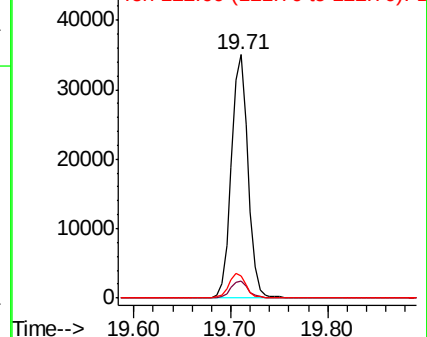
122 9.1 7.4 11.2

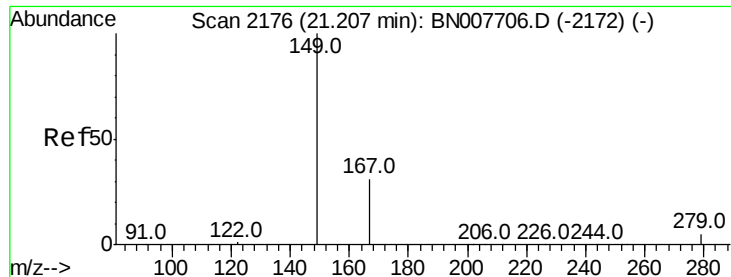


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.059 ng

RT: 21.20 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

Instrument :

BNA\_N

ClientSampleId :

RE104D2-20190912

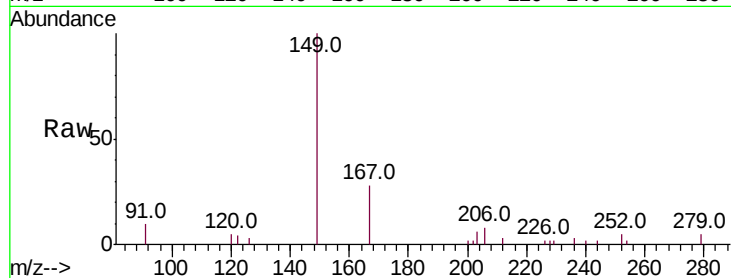
Tot Ion:149 Resp: 4326

Ion Ratio Lower Upper

149 100

167 26.9 23.7 35.5

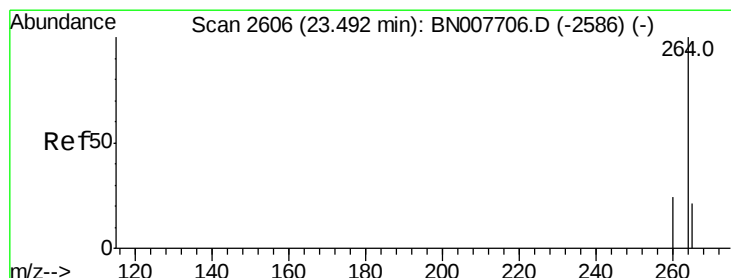
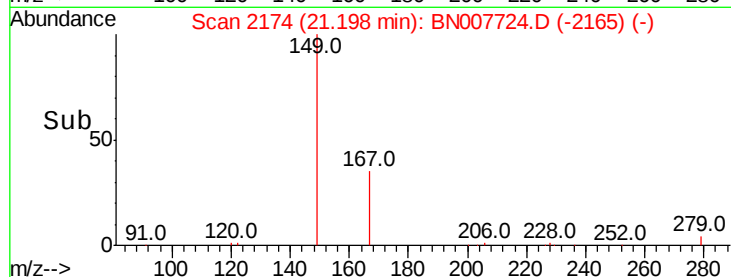
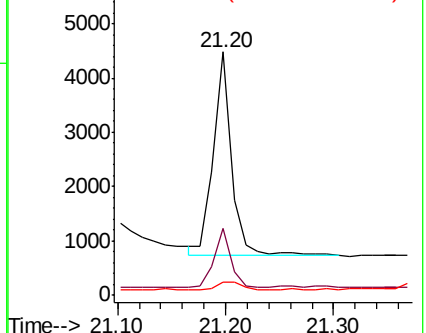
279 5.1 4.2 6.2



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: 23.48 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BN007724.D

Acq: 19 Sep 2019 02:15

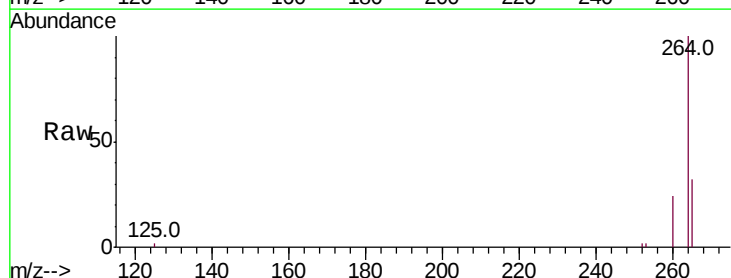
Tgt Ion:264 Resp: 42852

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 31.9 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

