

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\  
 Data File : BN007723.D  
 Acq On : 19 Sep 2019 01:40  
 Operator : HP/JU  
 Sample : K4896-10  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE104D1-20190912

Quant Time: Sep 19 14:55:42 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

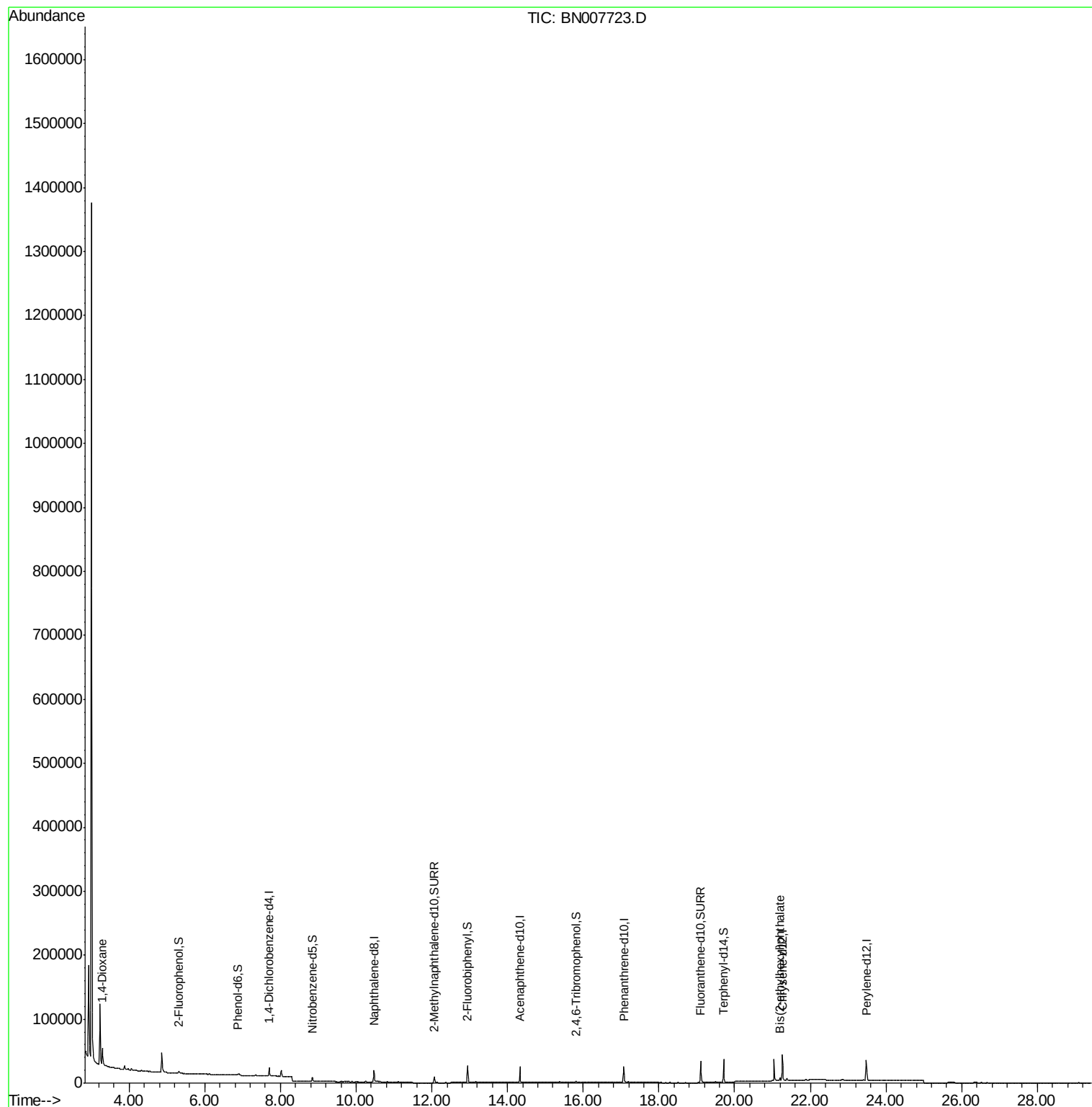
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.70  | 152  | 6024     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.47 | 136  | 23322    | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.32 | 164  | 14081    | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.07 | 188  | 32152    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.26 | 240  | 36953    | 0.40  | ng    | -0.01       |
| 34) Perylene-d12               | 23.48 | 264  | 41818    | 0.40  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.32  | 112  | 2452     | 0.12  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.88  | 99   | 1889     | 0.07  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 6657     | 0.33  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.06 | 152  | 13333    | 0.34  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.82 | 330  | 1892     | 0.25  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.94 | 172  | 24399    | 0.42  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.10 | 212  | 39878    | 0.37  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.71 | 244  | 35938    | 0.40  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.30  | 88   | 22206    | 3.307 | ng    | Qvalue # 91 |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 3887     | 0.056 | ng    | 94          |

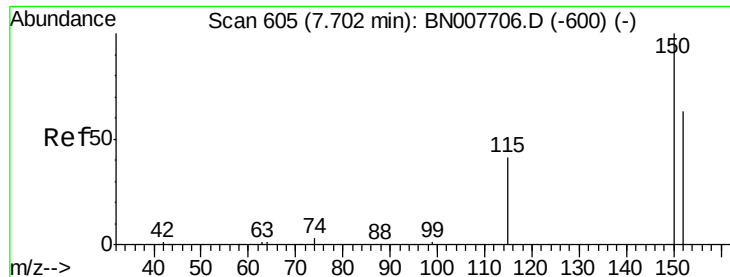
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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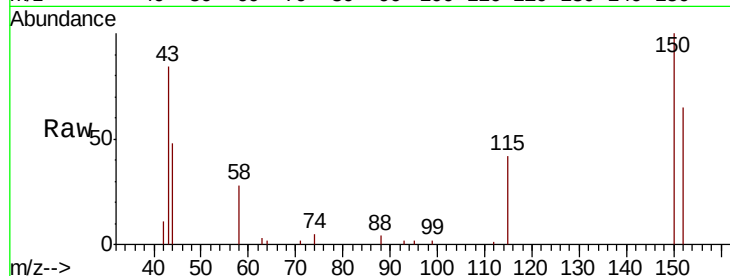


#1

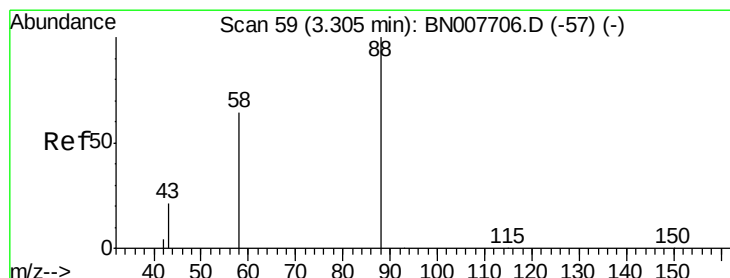
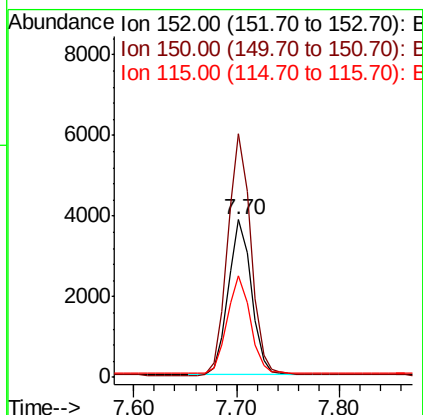
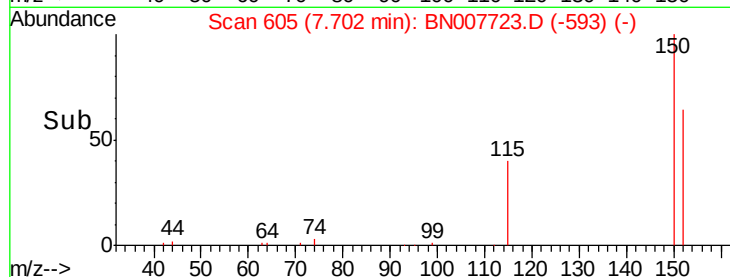
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.70 min Scan# 605  
Delta R.T. -0.00 min  
Lab File: BN007723.D  
Acq: 19 Sep 2019 01:40

Instrument :  
BNA\_N  
ClientSampleId :  
RE104D1-20190912

Tot Ion:152 Resp: 6024  
Ion Ratio Lower Upper  
152 100  
150 154.3 125.6 188.4  
115 64.3 53.3 79.9



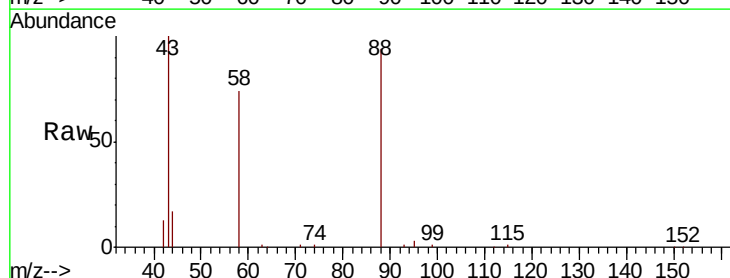
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



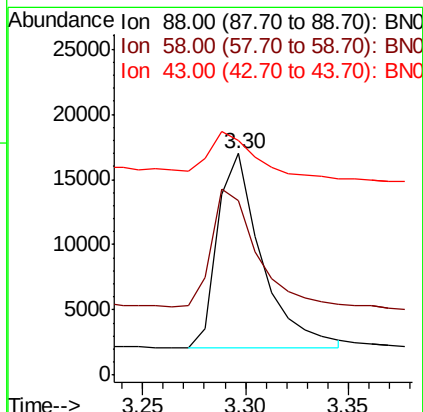
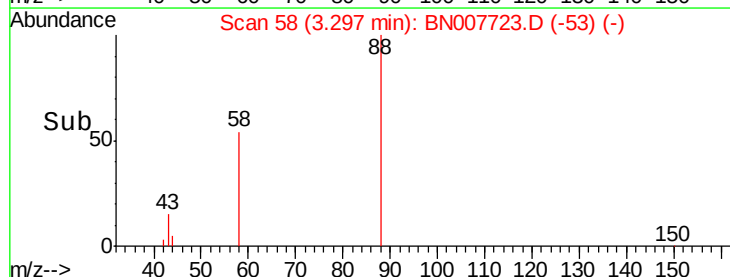
#2

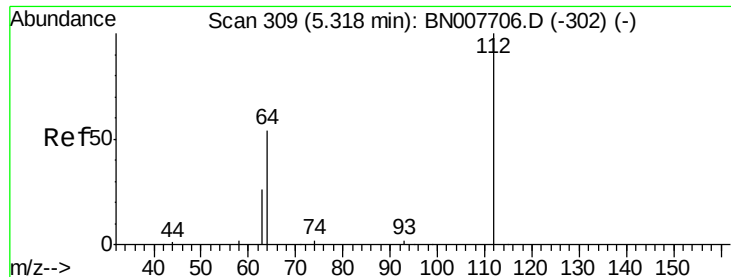
1,4-Dioxane  
Concen: 3.307 ng  
RT: 3.30 min Scan# 58  
Delta R.T. -0.01 min  
Lab File: BN007723.D  
Acq: 19 Sep 2019 01:40

Tgt Ion: 88 Resp: 22206  
Ion Ratio Lower Upper  
88 100  
58 60.2 44.6 66.8  
43 25.4 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





#4

2-Fluorophenol

Concen: 0.118 ng

RT: 5.32 min Scan# 309

Delta R.T. -0.00 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

Instrument :

BNA\_N

ClientSampleId :

RE104D1-20190912

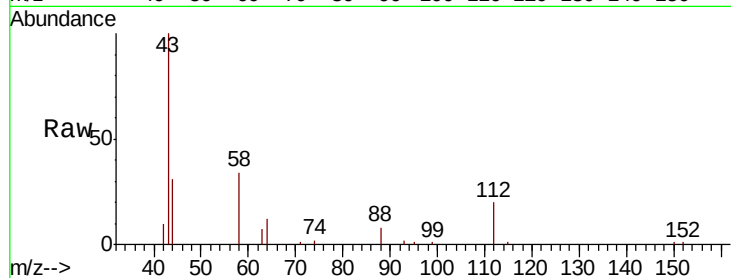
Tot Ion: 112 Resp: 2452

Ion Ratio Lower Upper

112 100

64 59.7 46.6 70.0

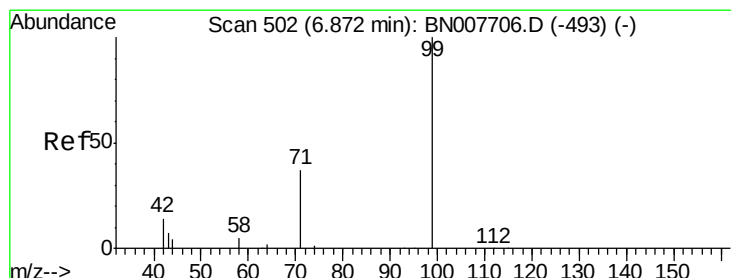
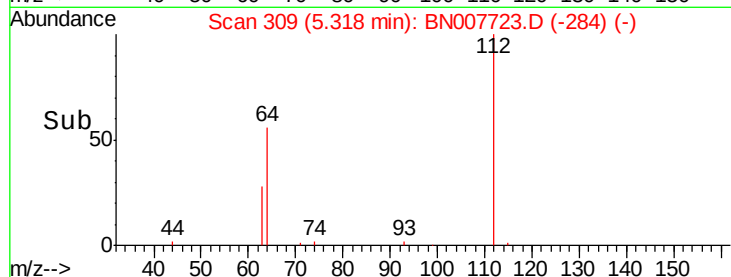
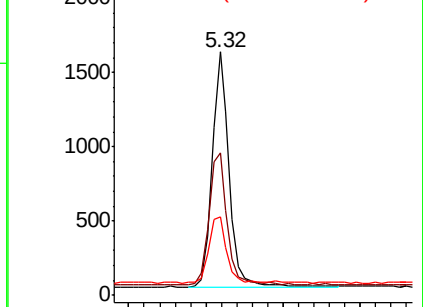
63 29.3 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.068 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.01 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

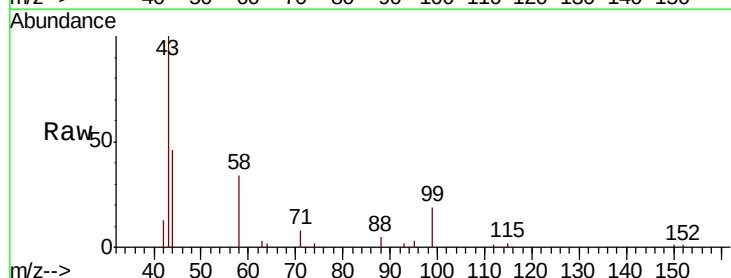
Tgt Ion: 99 Resp: 1889

Ion Ratio Lower Upper

99 100

42 24.0 12.8 19.2#

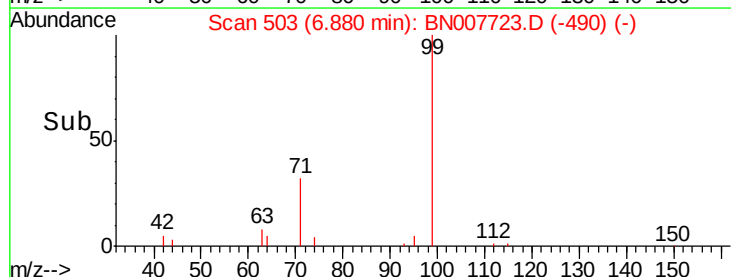
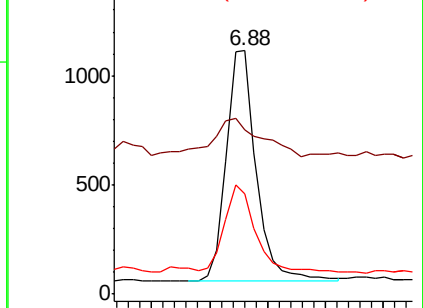
71 39.5 27.6 41.4

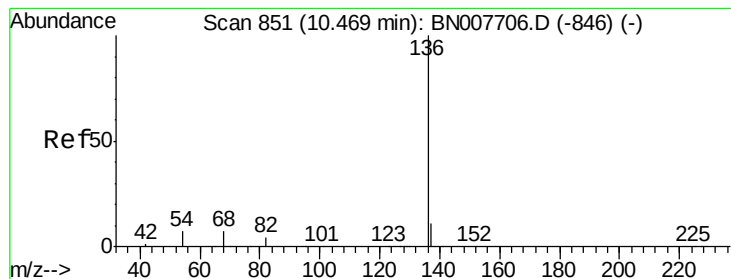


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

Instrument :

BNA\_N

ClientSampleId :

RE104D1-20190912

Tot Ion:136 Resp: 23322

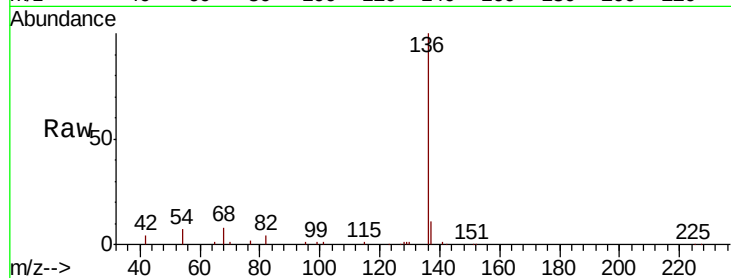
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.9 5.8 8.8

68 7.5 6.5 9.7

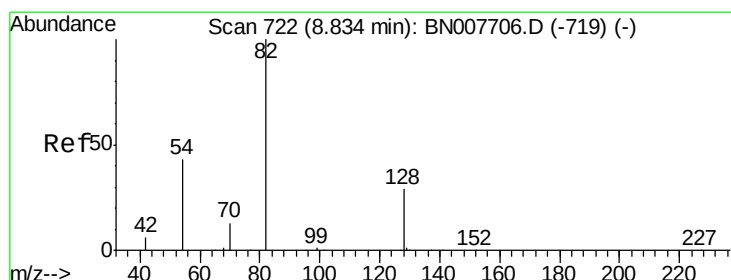
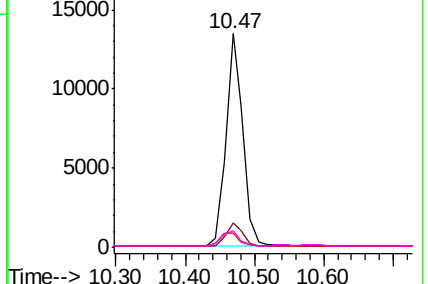
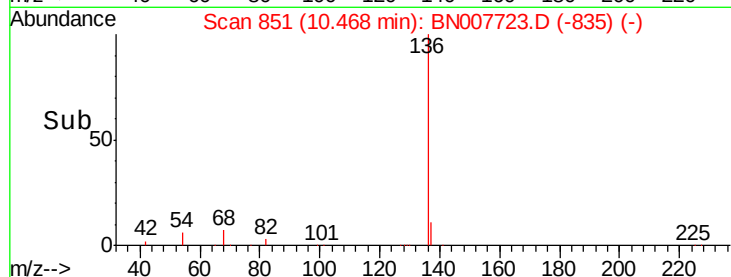


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.326 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

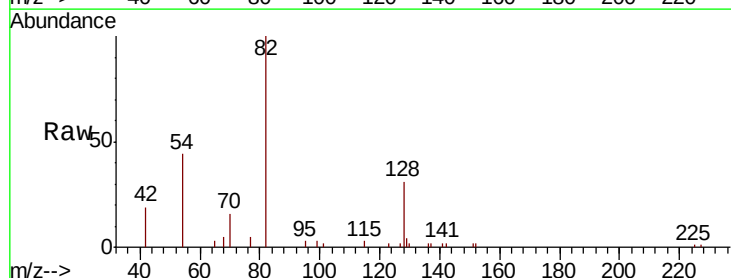
Tgt Ion: 82 Resp: 6657

Ion Ratio Lower Upper

82 100

128 30.6 24.5 36.7

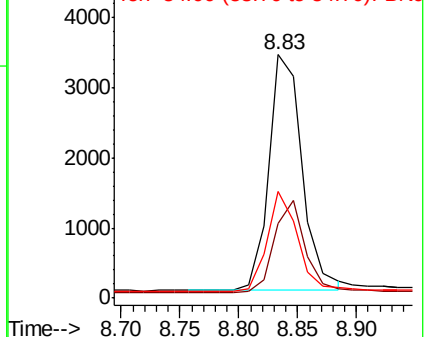
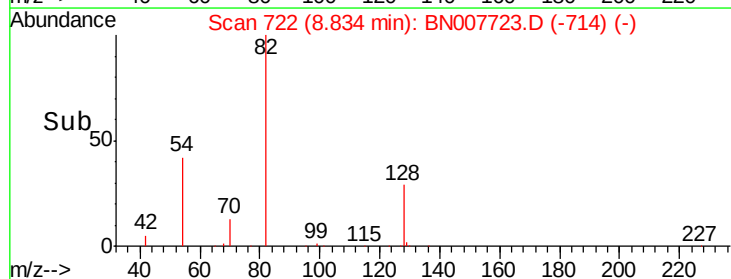
54 43.8 35.2 52.8

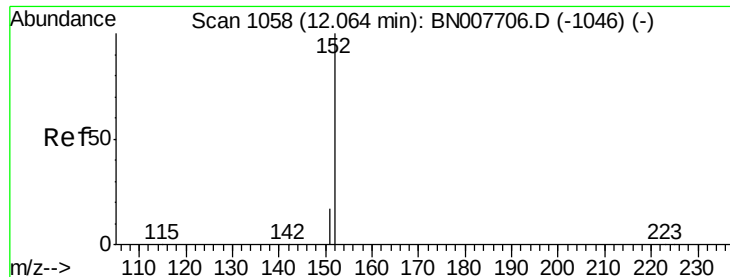


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

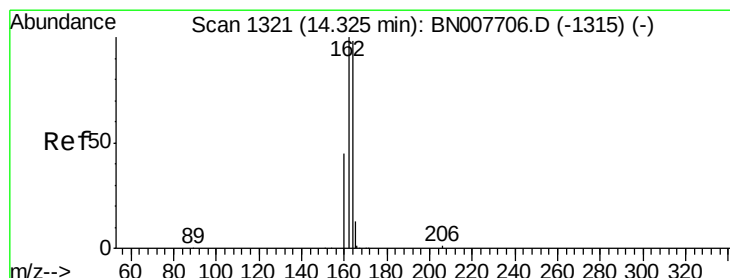
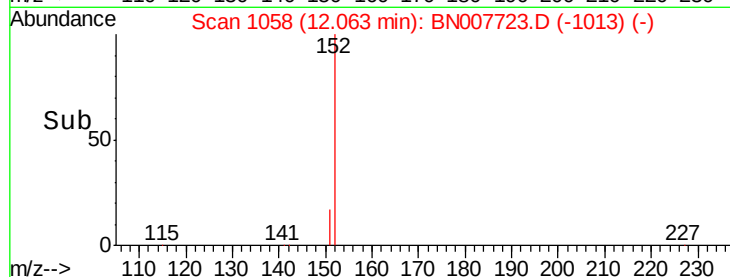
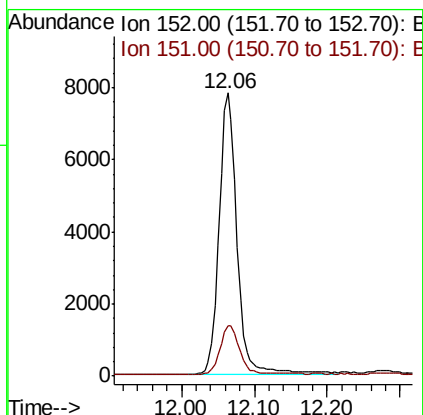
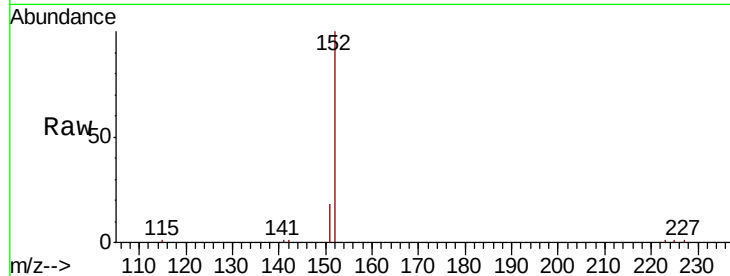




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.339 ng  
 RT: 12.06 min Scan# 1058  
 Delta R.T. -0.00 min  
 Lab File: BN007723.D  
 Acq: 19 Sep 2019 01:40

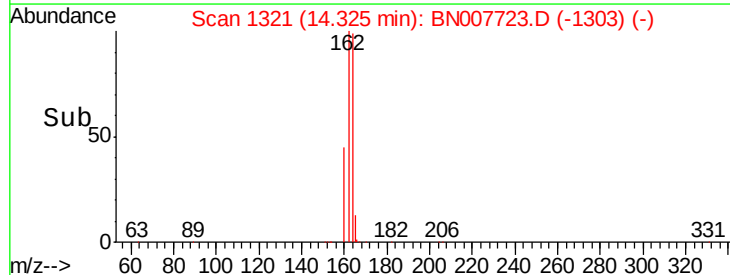
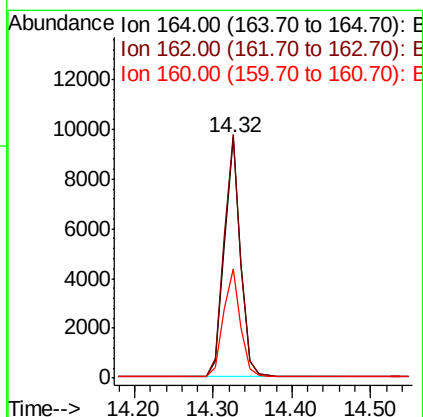
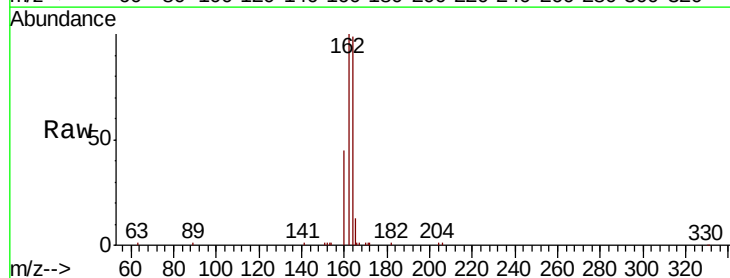
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE104D1-20190912

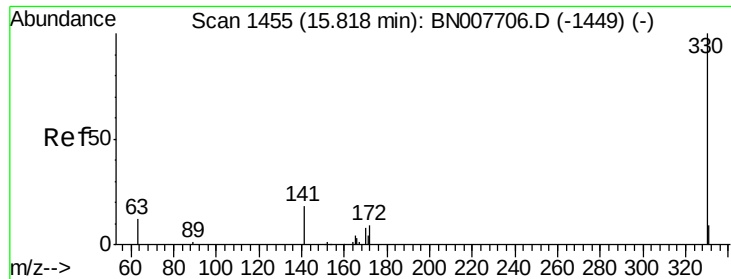
Tot Ion:152 Resp: 13333  
 Ion Ratio Lower Upper  
 152 100  
 151 19.1 15.4 23.2



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.32 min Scan# 1321  
 Delta R.T. -0.00 min  
 Lab File: BN007723.D  
 Acq: 19 Sep 2019 01:40

Tgt Ion:164 Resp: 14081  
 Ion Ratio Lower Upper  
 164 100  
 162 101.2 81.7 122.5  
 160 45.5 37.0 55.4





#14

2,4,6-Tribromophenol

Concen: 0.247 ng

RT: 15.82 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

Instrument :

BNA\_N

ClientSampleId :

RE104D1-20190912

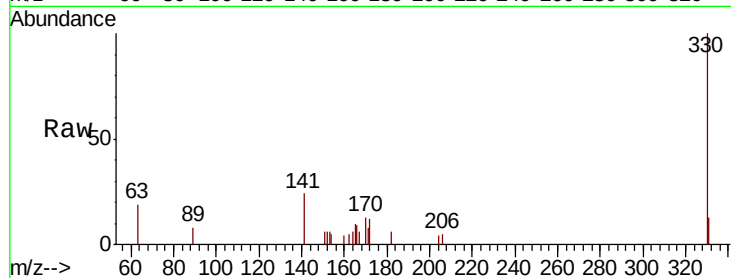
Tot Ion:330 Resp: 1892

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

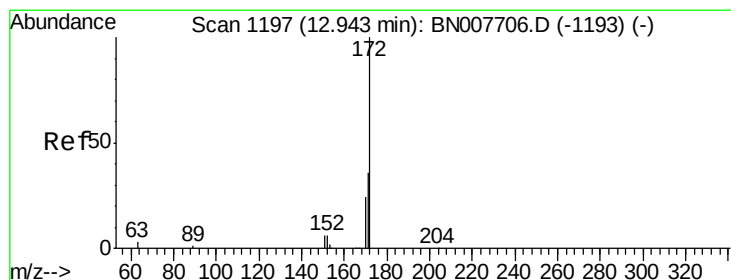
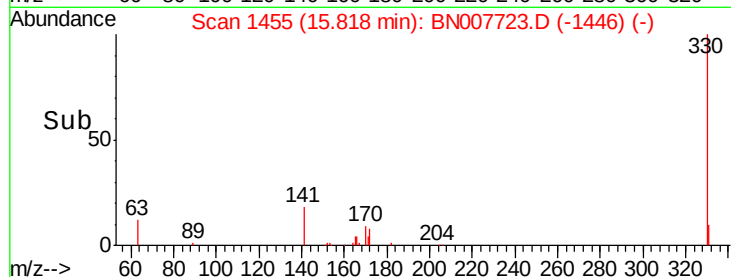
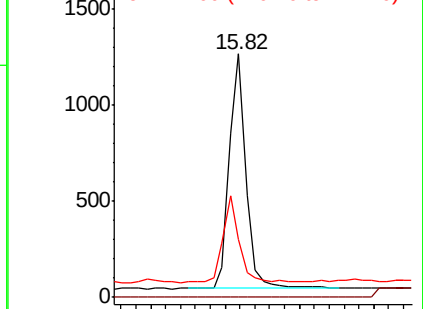
141 36.4 28.7 43.1



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: 0.421 ng

RT: 12.94 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

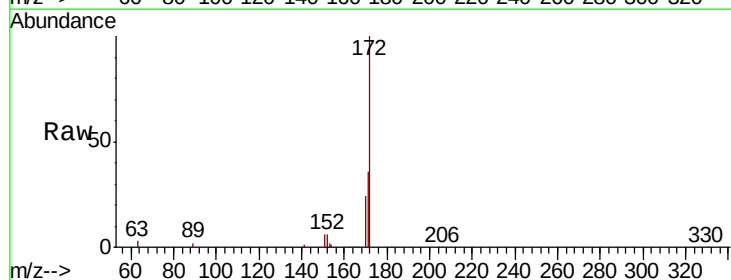
Tgt Ion:172 Resp: 24399

Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

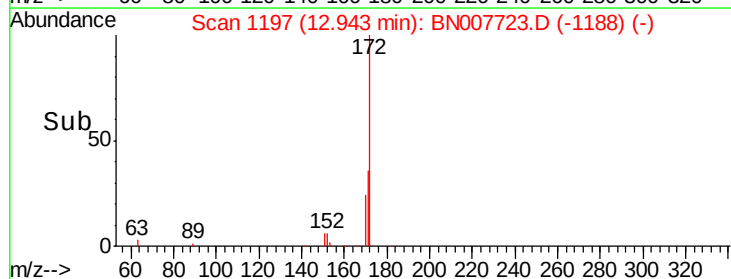
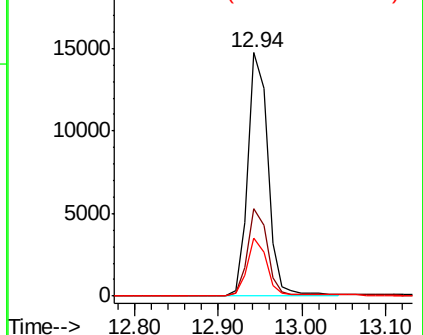
170 24.1 19.5 29.3

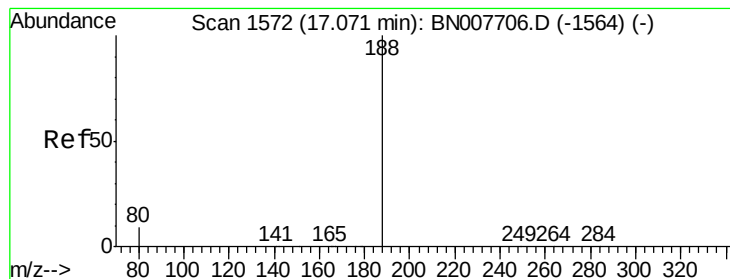


Abundance Ion 172.00 (171.70 to 172.70): E

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# 1572

Delta R.T. -0.00 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

Instrument :

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ClientSampleId :

RE104D1-20190912

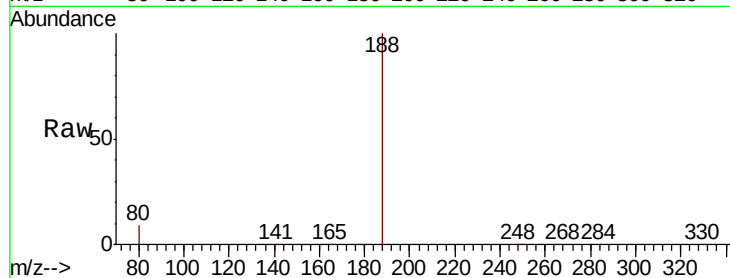
Tot Ion:188 Resp: 32152

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

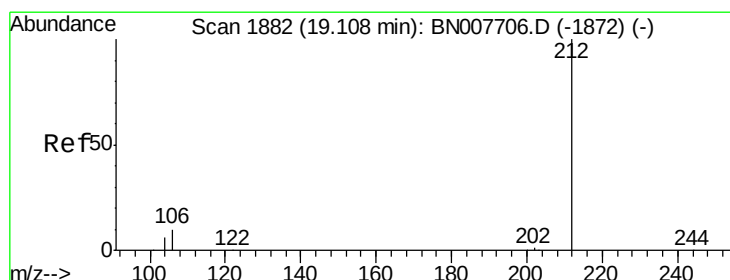
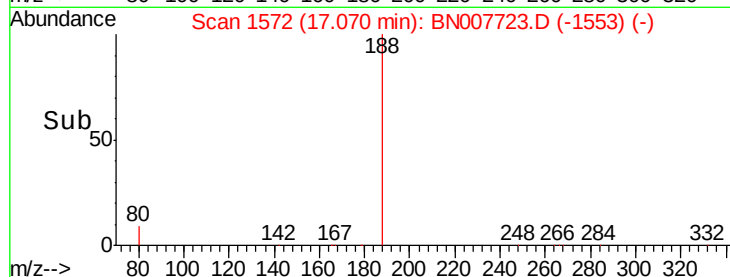
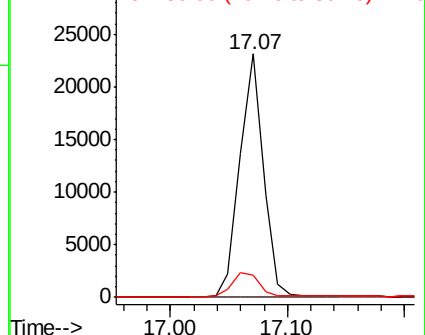
80 9.2 7.4 11.2



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: 0.368 ng

RT: 19.10 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

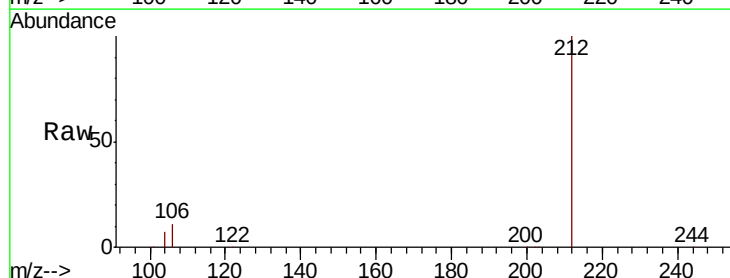
Tgt Ion:212 Resp: 39878

Ion Ratio Lower Upper

212 100

106 11.7 9.4 14.0

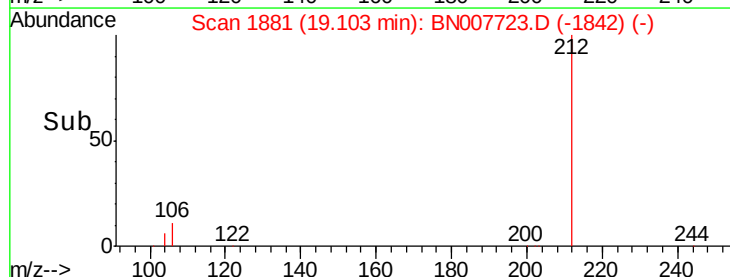
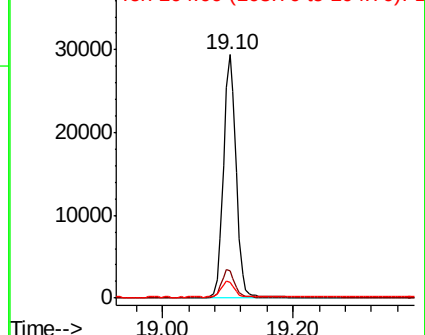
104 6.5 5.3 7.9



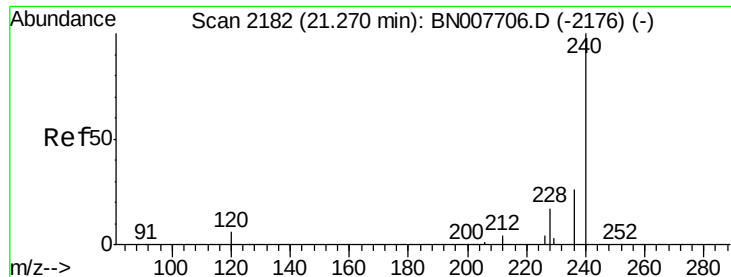
Abundance Ion 212.00 (211.70 to 212.70): E

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: BN007723.D

Acq: 19 Sep 2019 01:40

Instrument :

BNA\_N

ClientSampleId :

RE104D1-20190912

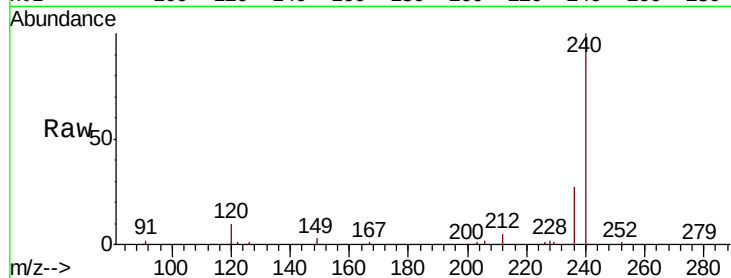
Tot Ion:240 Resp: 36953

Ion Ratio Lower Upper

240 100

120 10.0 5.4 8.2#

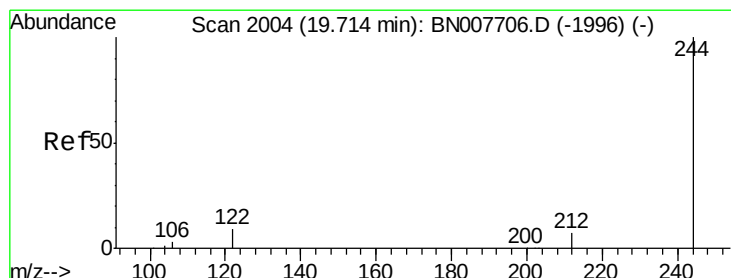
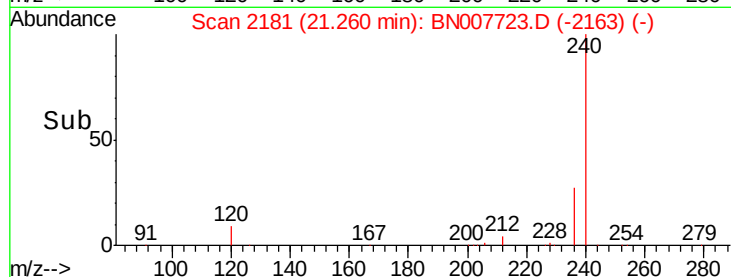
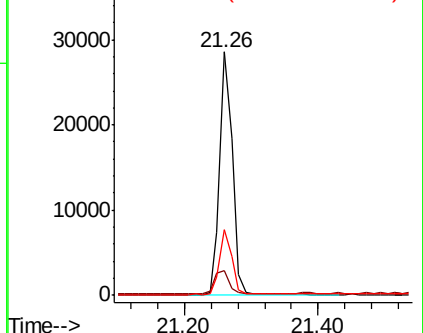
236 26.9 21.0 31.4



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: 0.396 ng

RT: 19.71 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

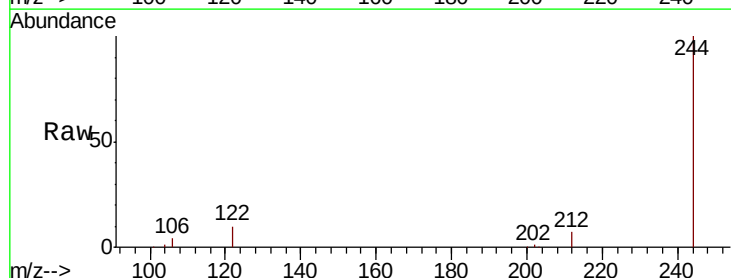
Tgt Ion:244 Resp: 35938

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

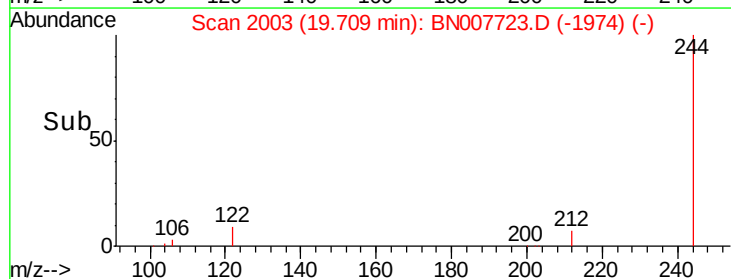
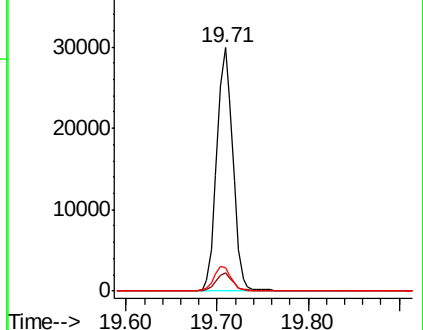
122 9.6 7.4 11.2

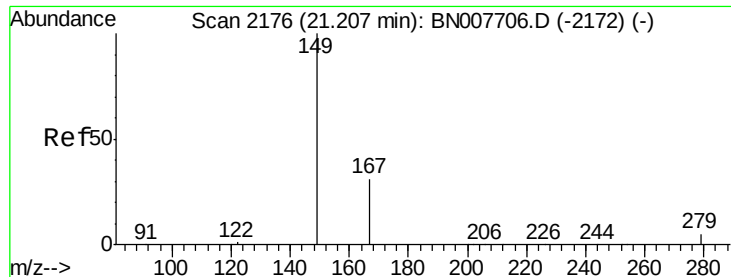


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.056 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

Instrument :

BNA\_N

ClientSampleId :

RE104D1-20190912

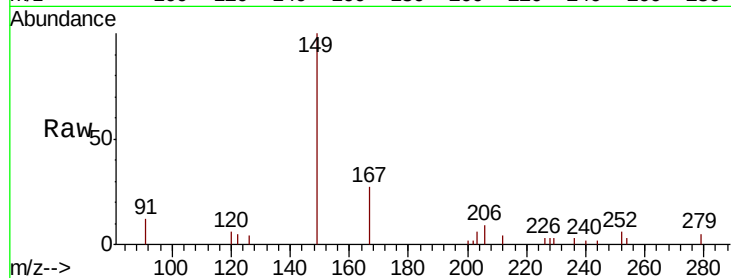
Tot Ion:149 Resp: 3887

Ion Ratio Lower Upper

149 100

167 25.9 23.7 35.5

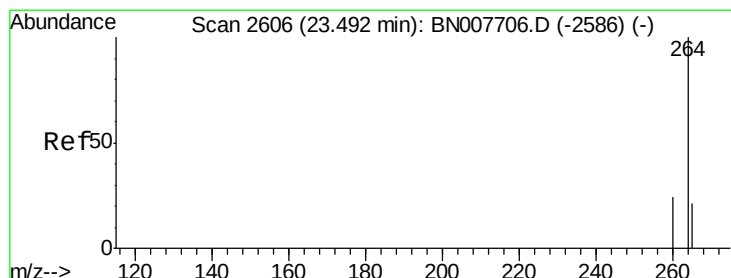
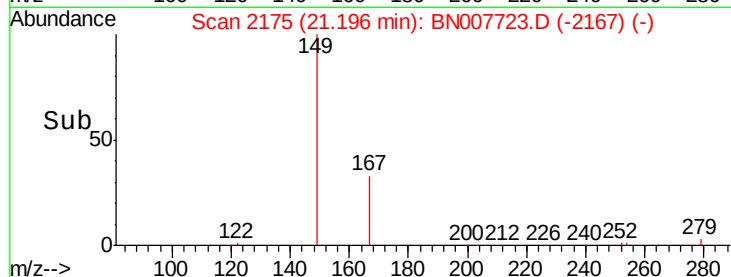
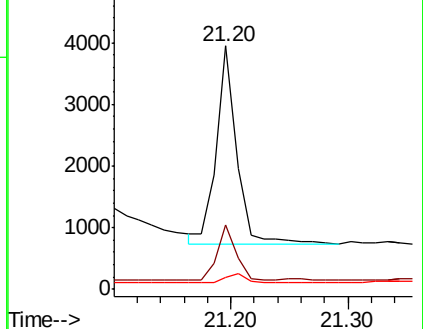
279 4.7 4.2 6.2



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# 2603

Delta R.T. -0.01 min

Lab File: BN007723.D

Acq: 19 Sep 2019 01:40

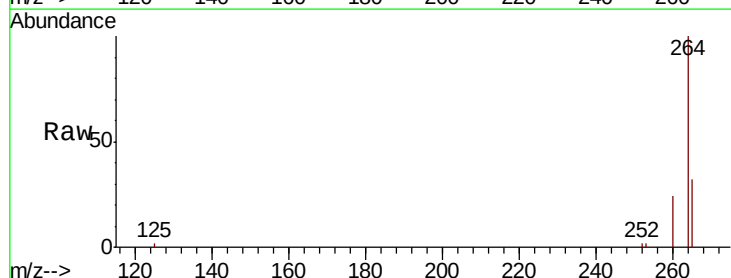
Tgt Ion:264 Resp: 41818

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 32.4 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

