

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091819\  
 Data File : BN007722.D  
 Acq On : 19 Sep 2019 01:04  
 Operator : HP/JU  
 Sample : K4896-09  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE126D3-20190912

Quant Time: Sep 19 07:26:43 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  | 5784     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.47 | 136  | 22569    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.32 | 164  | 14800    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 32829    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.26 | 240  | 37312    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.48 | 264  | 41265    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.32  | 112  | 2541     | 0.13 | ng    | 0.00     |
| 5) Phenol-d6                | 6.87  | 99   | 2019     | 0.08 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.83  | 82   | 6999     | 0.35 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.06 | 152  | 13950    | 0.37 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330  | 2311     | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.94 | 172  | 25084    | 0.41 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.10 | 212  | 44200    | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.71 | 244  | 43002    | 0.47 | ng    | 0.00     |

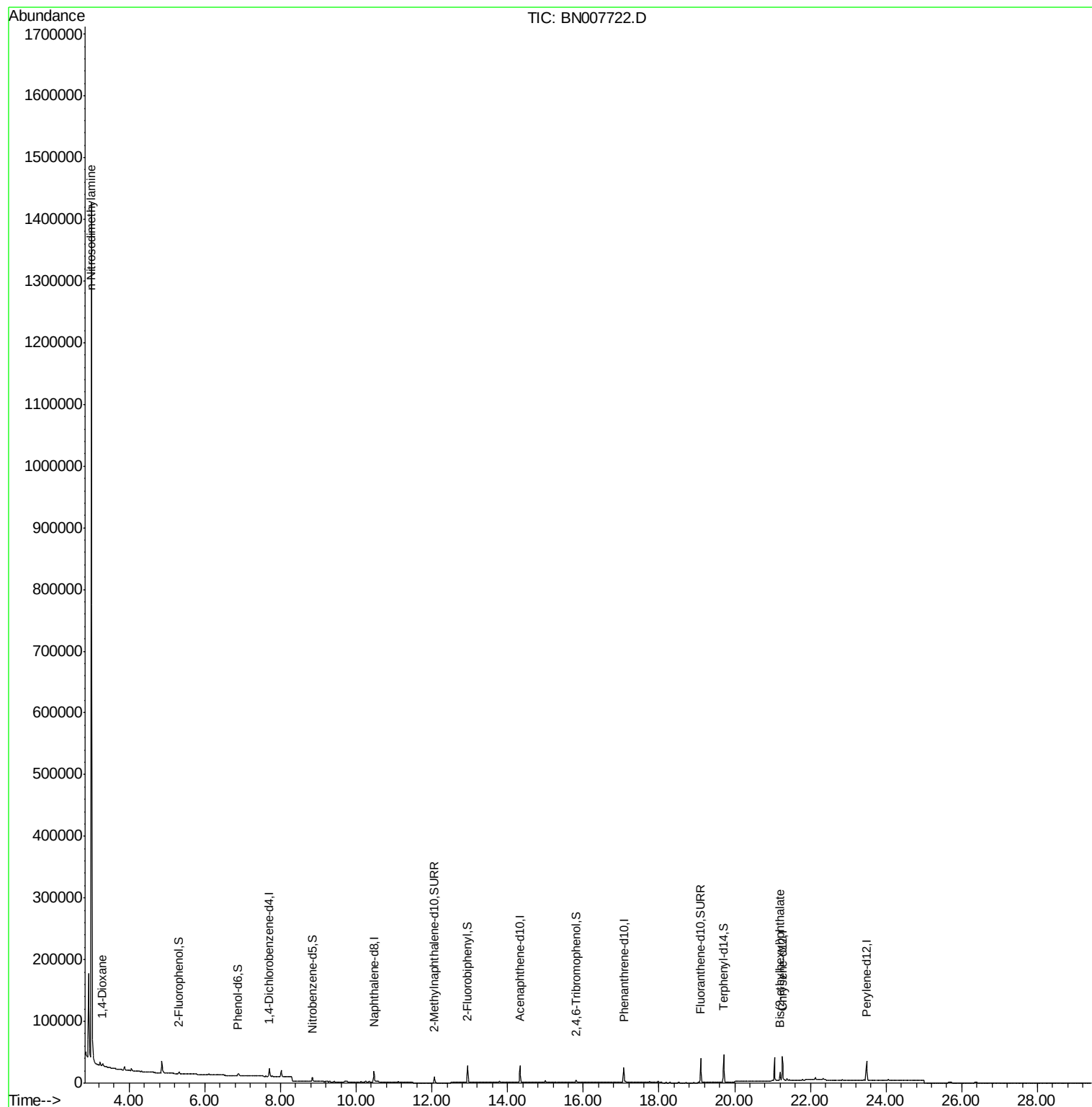
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 3407     | 0.528  | ng    | # 75   |
| 3) n-Nitrosodimethylamine      | 3.01  | 42   | 104885   | 35.521 | ng    | # 69   |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 11439    | 0.162  | ng    | 97     |

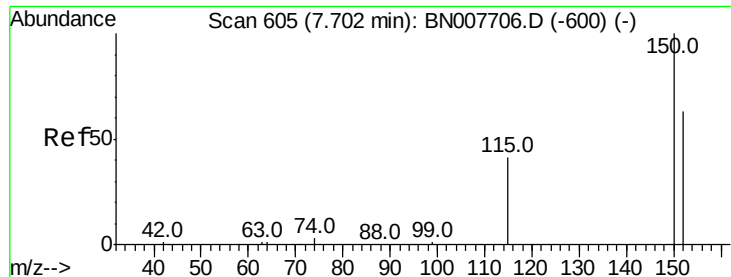
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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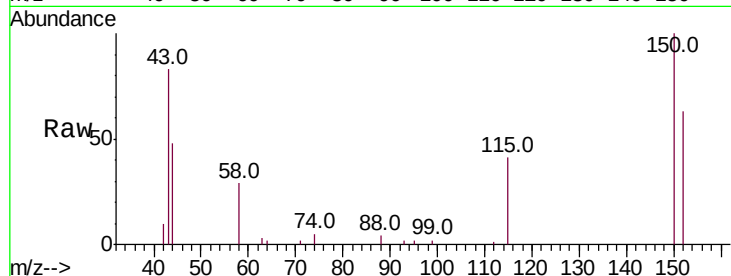


#1

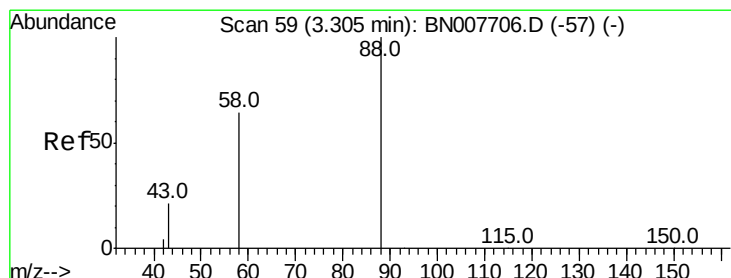
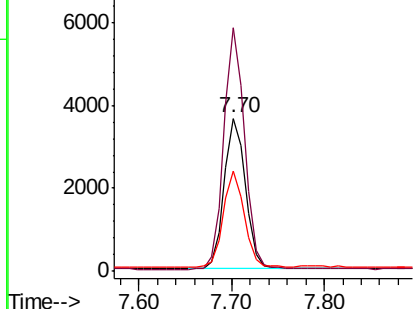
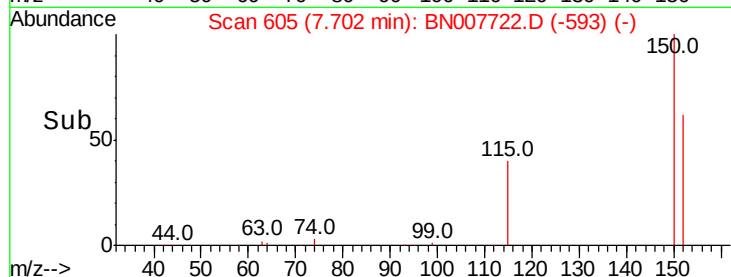
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.70 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: BN007722.D  
Acq: 19 Sep 2019 01:04

Instrument :  
BNA\_N  
ClientSampleId :  
RE126D3-20190912

Tot Ion:152 Resp: 5784  
Ion Ratio Lower Upper  
152 100  
150 159.1 125.6 188.4  
115 65.9 53.3 79.9



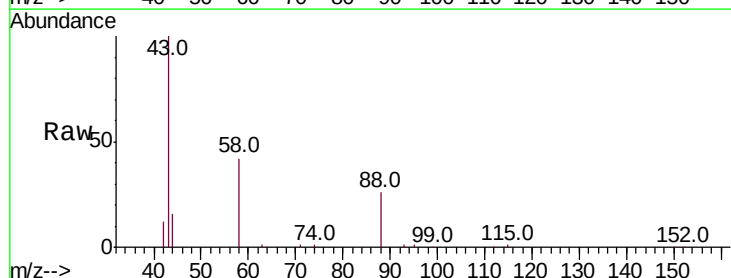
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



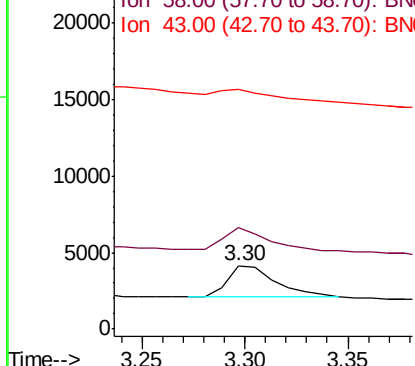
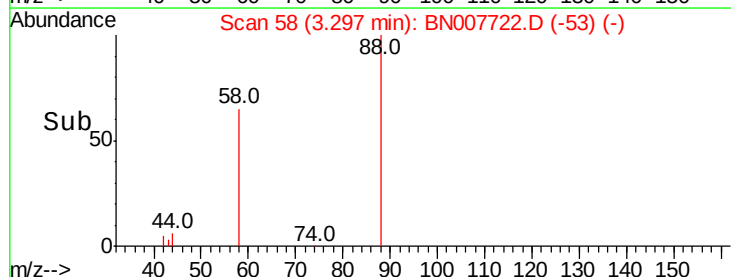
#2

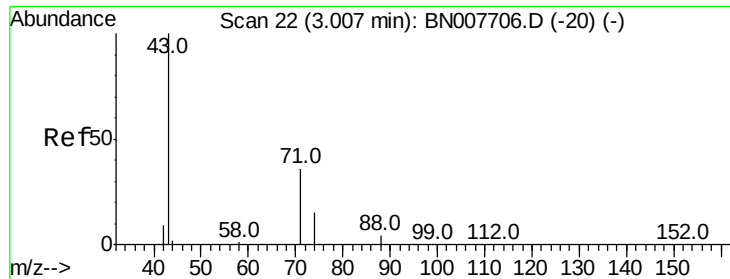
1,4-Dioxane  
Concen: 0.528 ng  
RT: 3.30 min Scan# 58  
Delta R.T. -0.01 min  
Lab File: BN007722.D  
Acq: 19 Sep 2019 01:04

Tgt Ion: 88 Resp: 3407  
Ion Ratio Lower Upper  
88 100  
58 64.3 44.6 66.8  
43 47.1 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: 35.521 ng

RT: 3.01 min Scan# 22

Delta R.T. 0.00 min

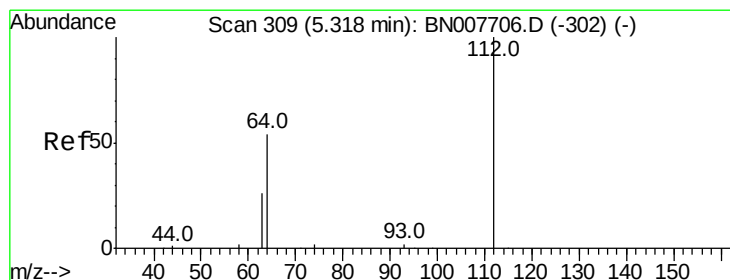
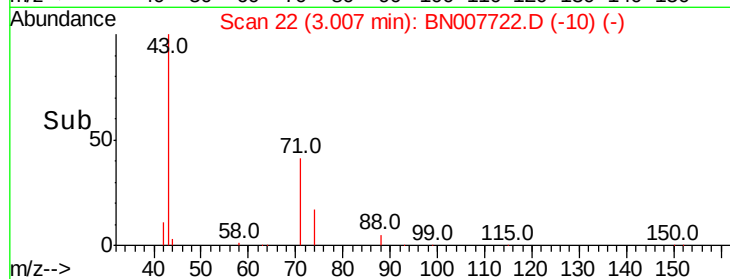
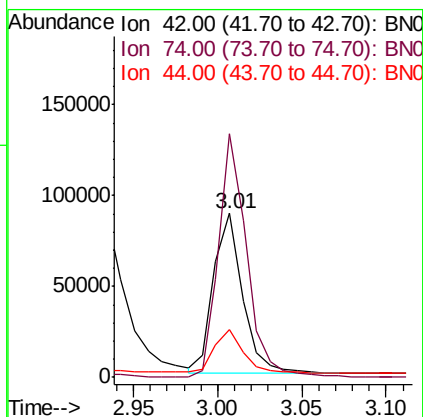
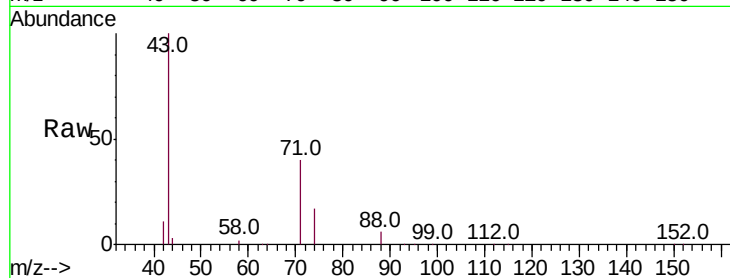
Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :  
BNA\_N  
ClientSampleId :  
RE126D3-20190912

Tot Ion: 42 Resp: 104885

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 42  | 100   |       |        |
| 74  | 147.1 | 87.9  | 131.9# |
| 44  | 26.5  | 29.4  | 44.0#  |



#4

2-Fluorophenol

Concen: 0.128 ng

RT: 5.32 min Scan# 309

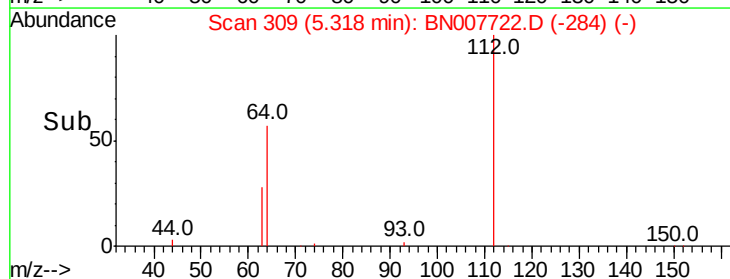
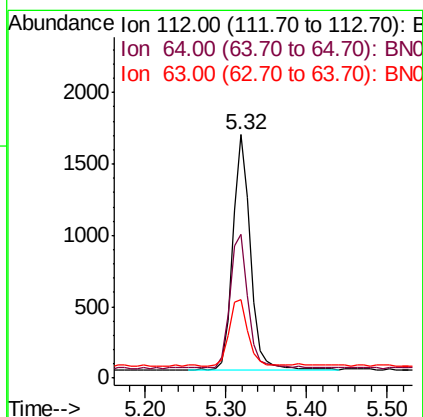
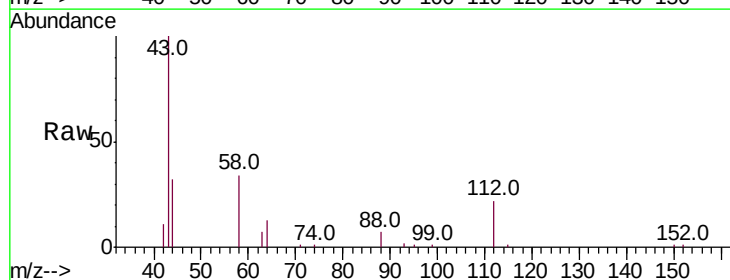
Delta R.T. 0.00 min

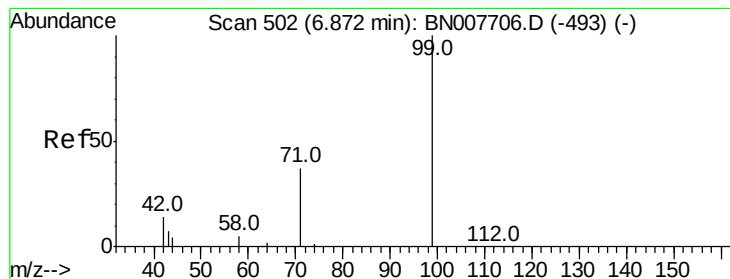
Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Tgt Ion: 112 Resp: 2541

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 58.4  | 46.6  | 70.0  |
| 63  | 29.6  | 23.1  | 34.7  |





#5

Phenol-d6

Concen: 0.076 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

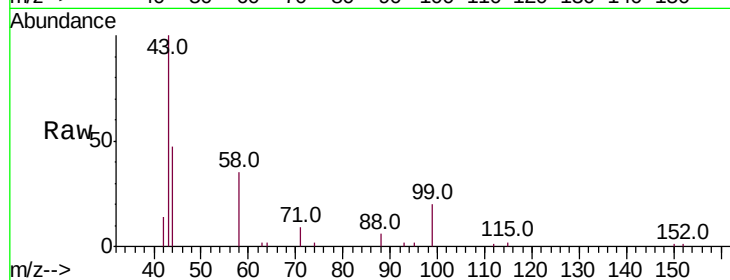
Tot Ion: 99 Resp: 2019

Ion Ratio Lower Upper

99 100

42 32.8 12.8 19.2#

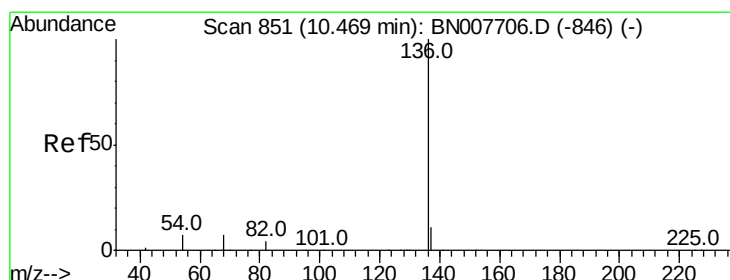
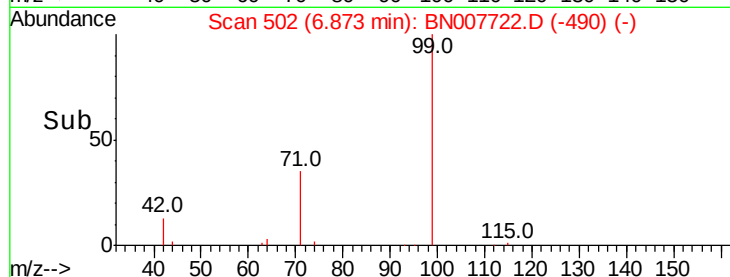
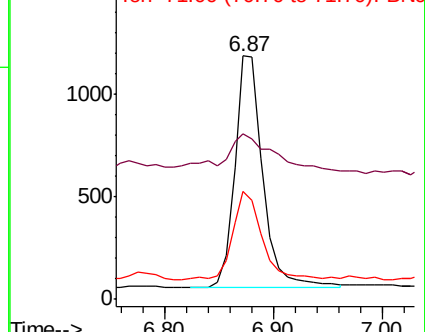
71 39.3 27.6 41.4



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: 10.47 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Tgt Ion: 136 Resp: 22569

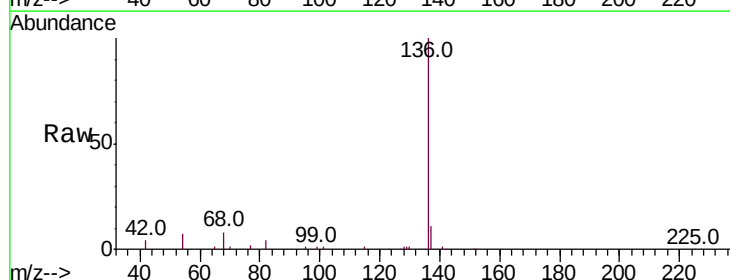
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 6.9 5.8 8.8

68 7.7 6.5 9.7

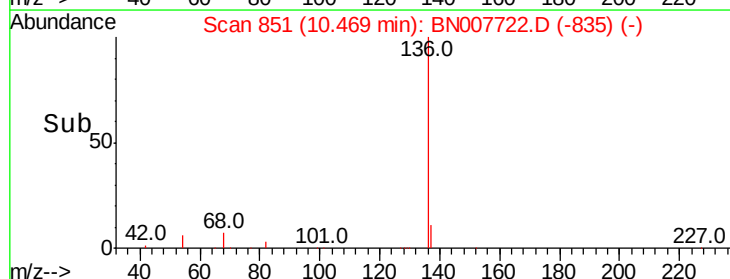
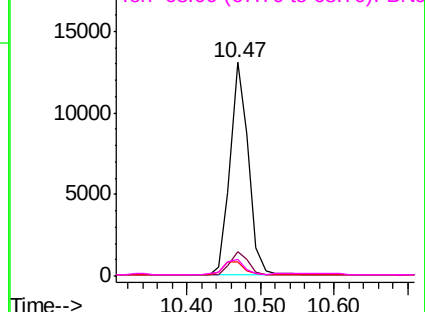


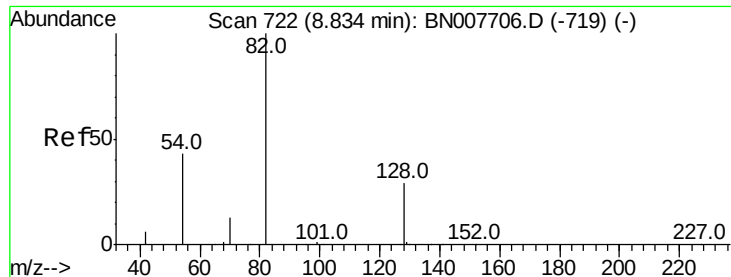
Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

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: 0.355 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

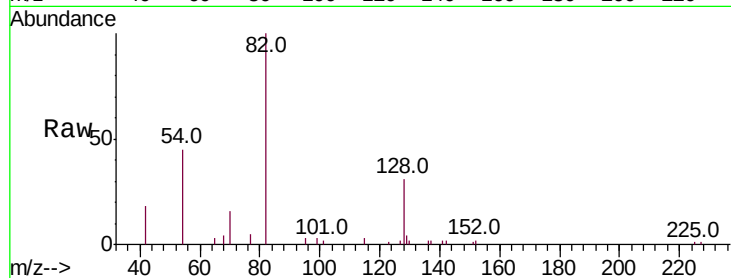
Tot Ion: 82 Resp: 6999

Ion Ratio Lower Upper

82 100

128 31.1 24.5 36.7

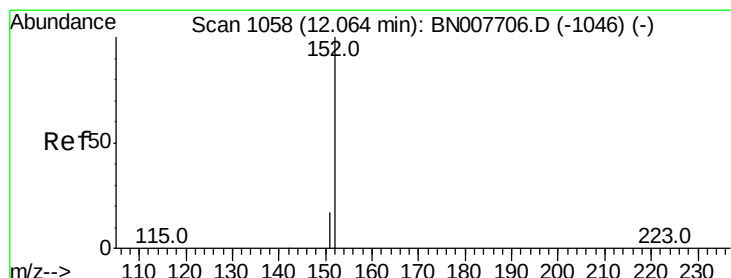
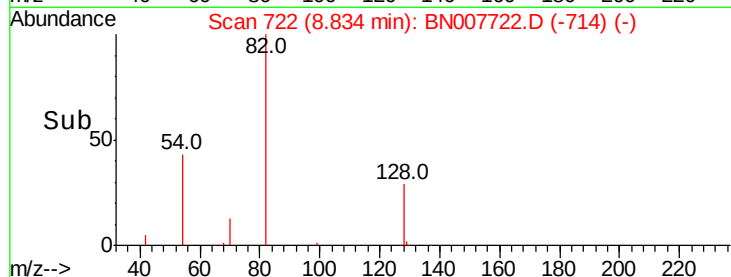
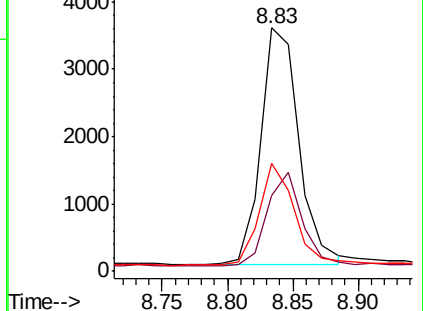
54 44.6 35.2 52.8



Abundance Ion 82.00 (81.70 to 82.70): 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: 0.367 ng

RT: 12.06 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BN007722.D

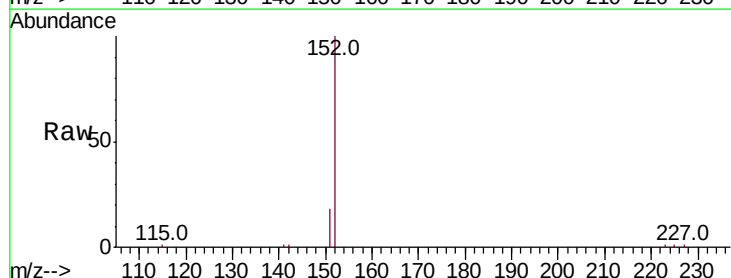
Acq: 19 Sep 2019 01:04

Tgt Ion: 152 Resp: 13950

Ion Ratio Lower Upper

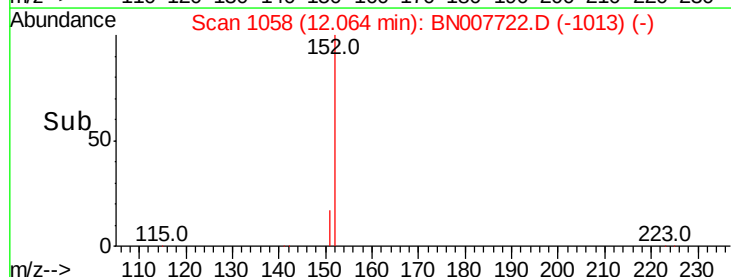
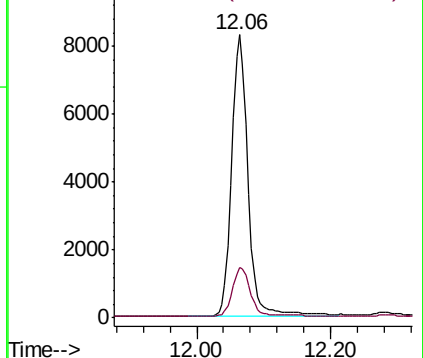
152 100

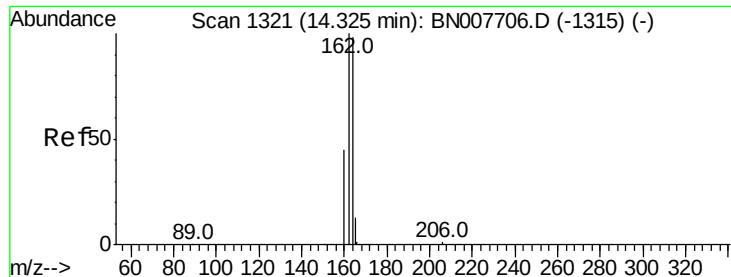
151 18.7 15.4 23.2



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: 14.32 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

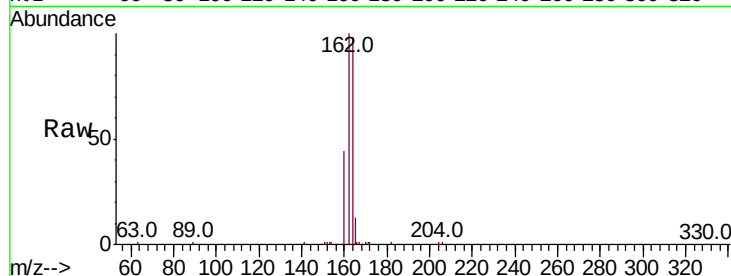
Tot Ion:164 Resp: 14800

Ion Ratio Lower Upper

164 100

162 102.4 81.7 122.5

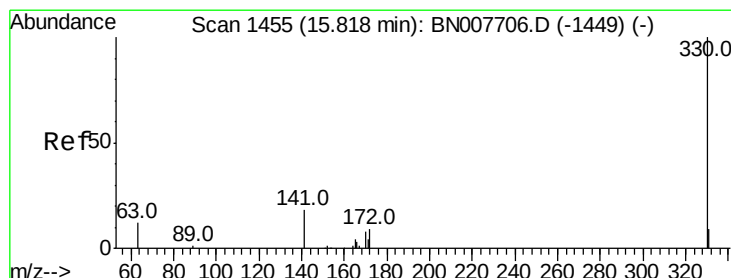
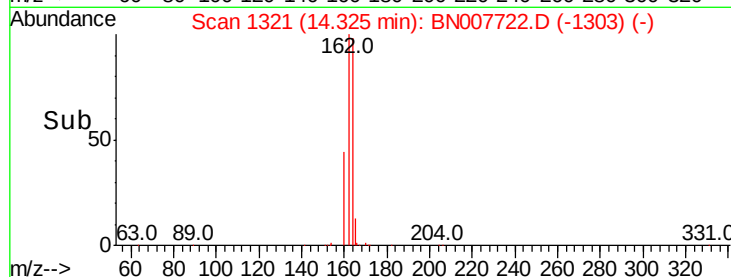
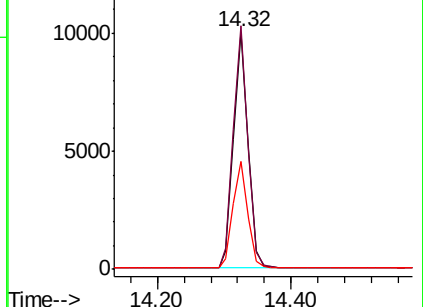
160 45.2 37.0 55.4



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: 0.287 ng

RT: 15.82 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

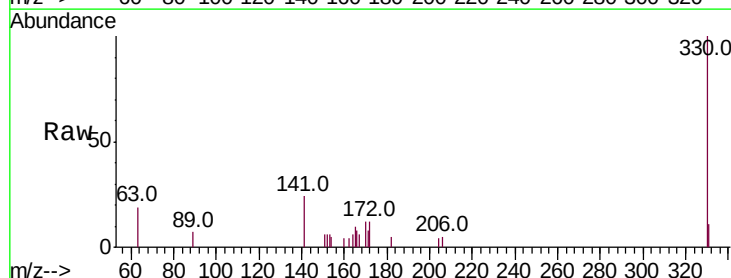
Tgt Ion:330 Resp: 2311

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

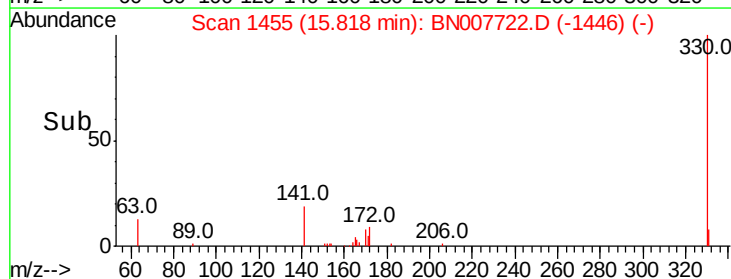
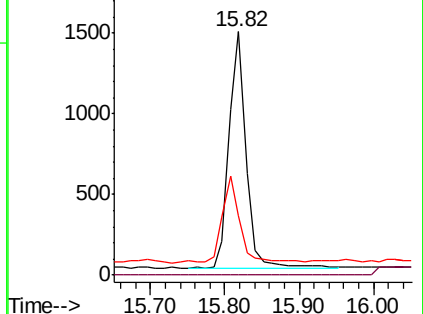
141 35.7 28.7 43.1

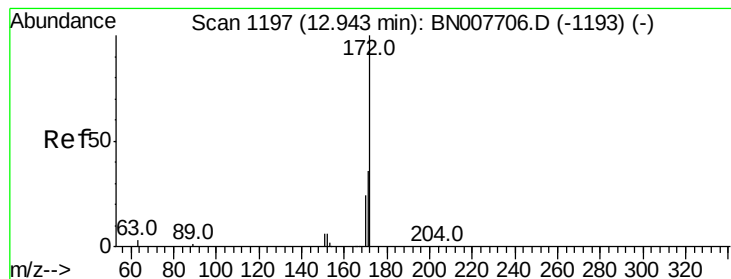


Abundance Ion 330.00 (329.70 to 330.70): E

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: 12.94 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

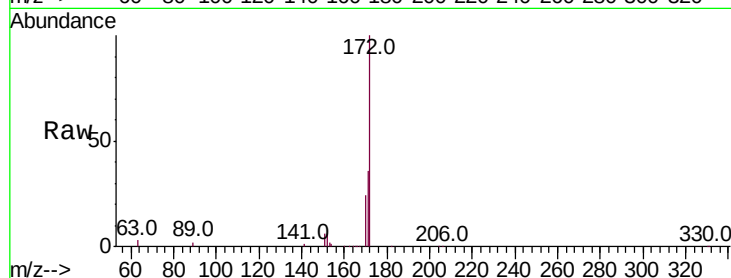
Tot Ion:172 Resp: 25084

Ion Ratio Lower Upper

172 100

171 36.0 28.8 43.2

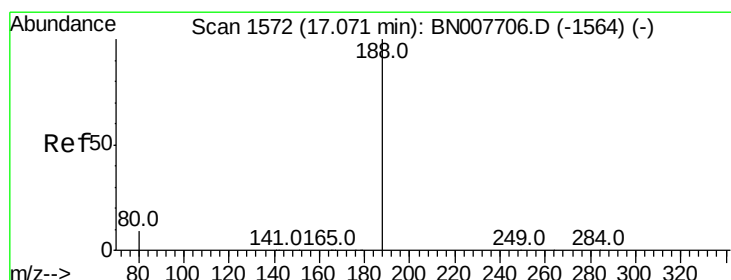
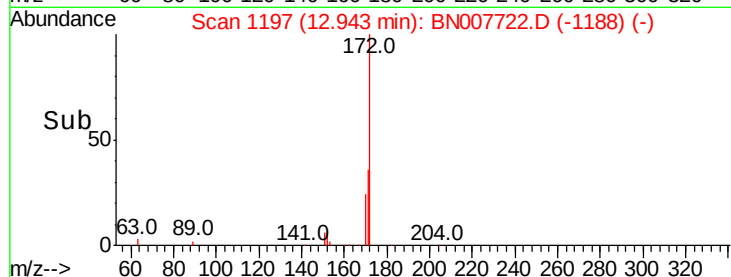
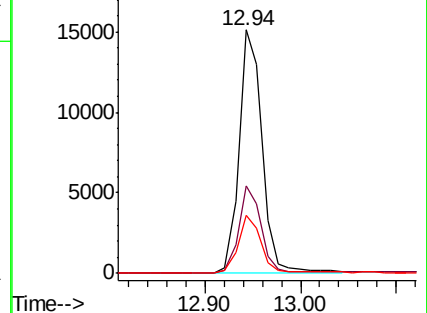
170 24.0 19.5 29.3



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: BN007722.D

Acq: 19 Sep 2019 01:04

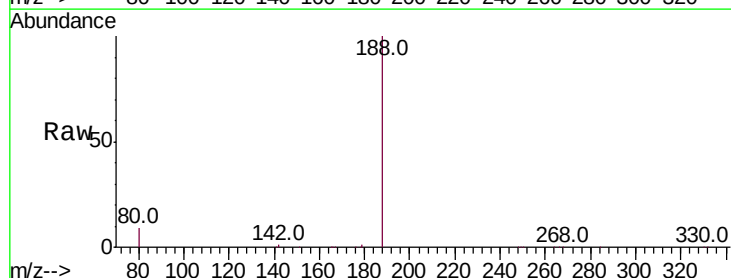
Tgt Ion:188 Resp: 32829

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

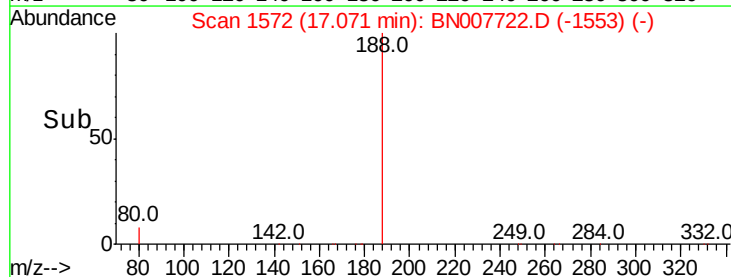
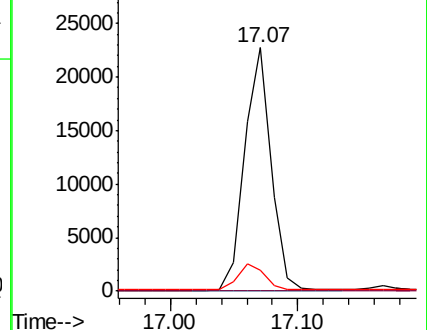
80 8.7 7.4 11.2



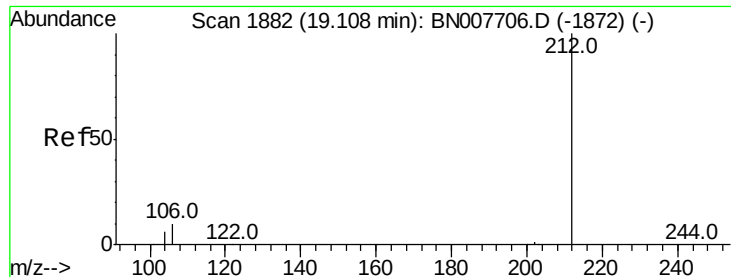
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC







#25

Fluoranthene-d10

Concen: 0.399 ng

RT: 19.10 min Scan# 1881

Delta R.T. -0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

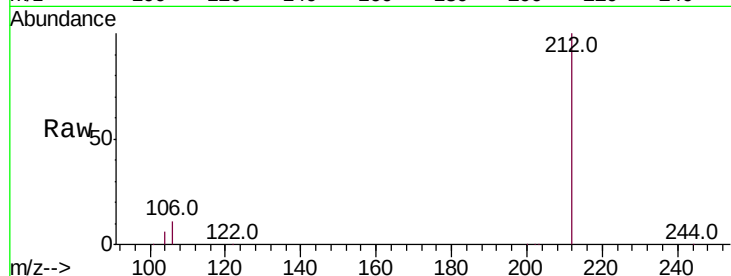
Tot Ion:212 Resp: 44200

Ion Ratio Lower Upper

212 100

106 11.8 9.4 14.0

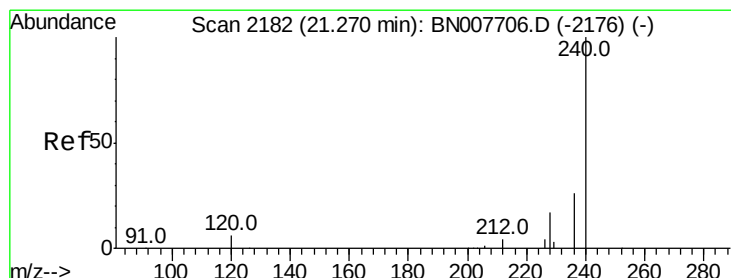
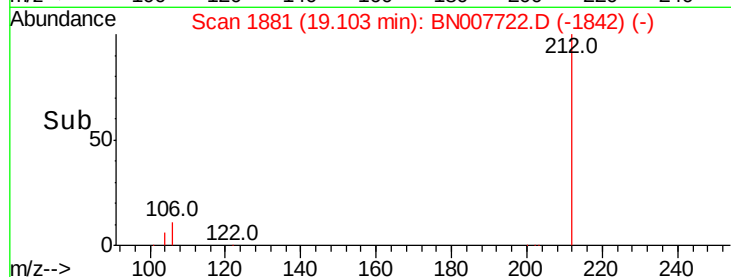
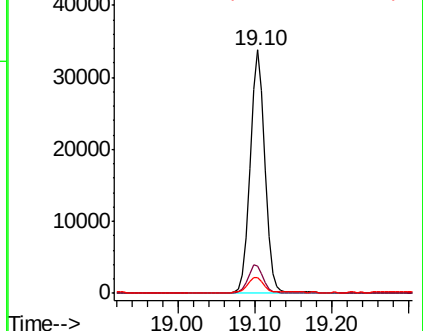
104 6.5 5.3 7.9



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: BN007722.D

Acq: 19 Sep 2019 01:04

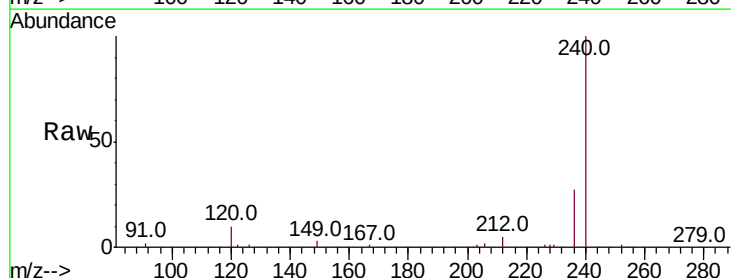
Tgt Ion:240 Resp: 37312

Ion Ratio Lower Upper

240 100

120 10.3 5.4 8.2#

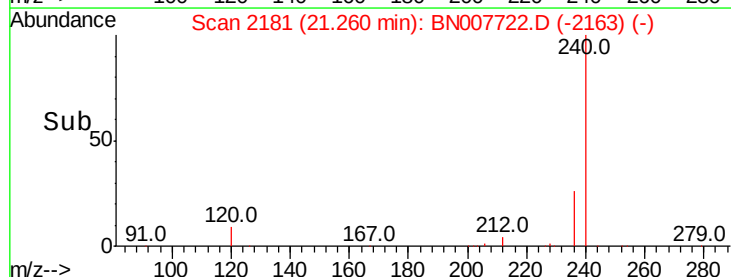
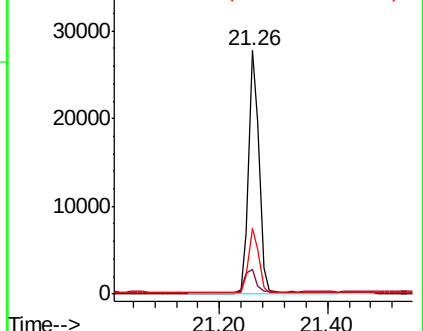
236 26.8 21.0 31.4

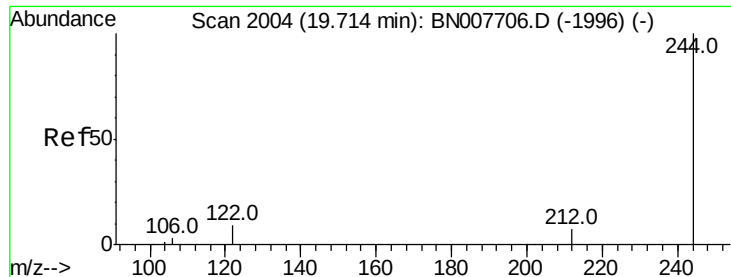


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.469 ng

RT: 19.71 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

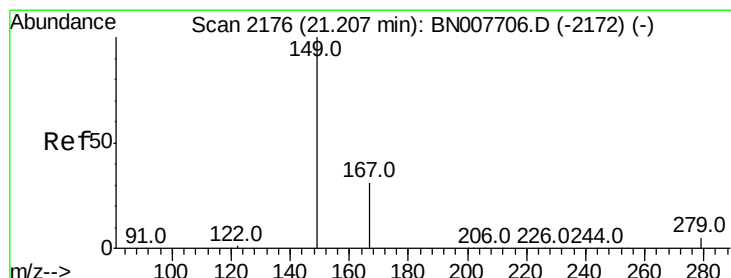
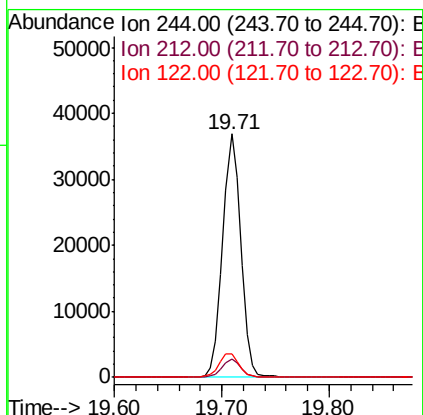
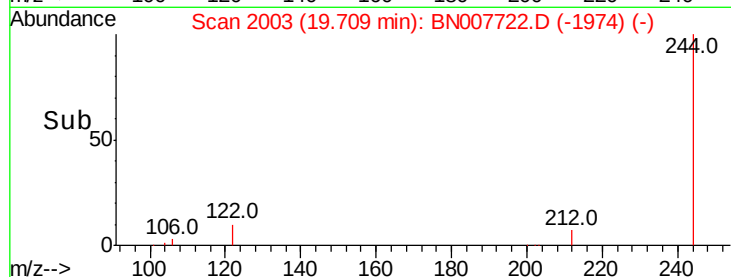
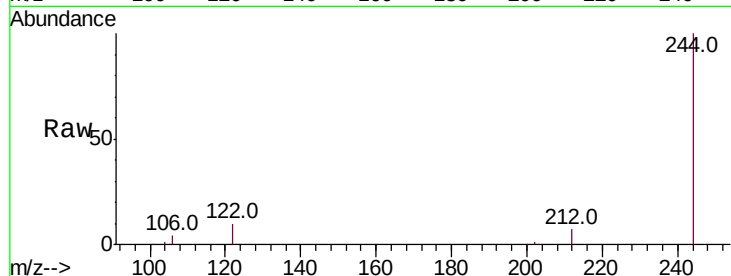
Tot Ion:244 Resp: 43002

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 9.8 7.4 11.2



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.162 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

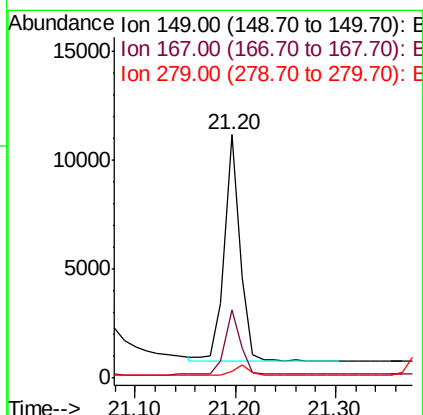
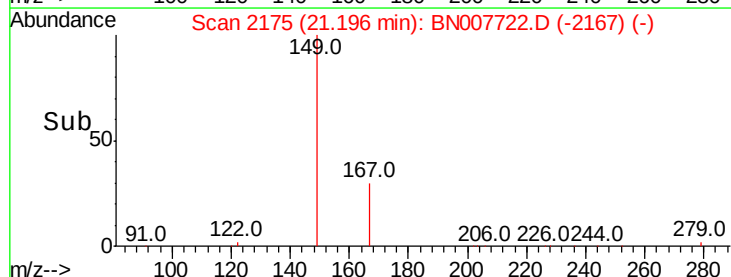
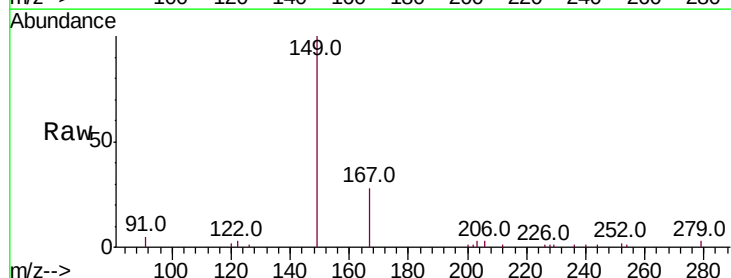
Tgt Ion:149 Resp: 11439

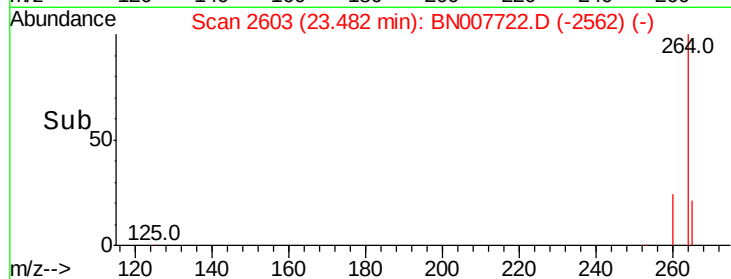
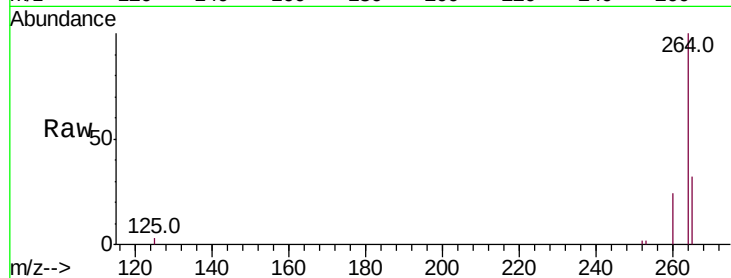
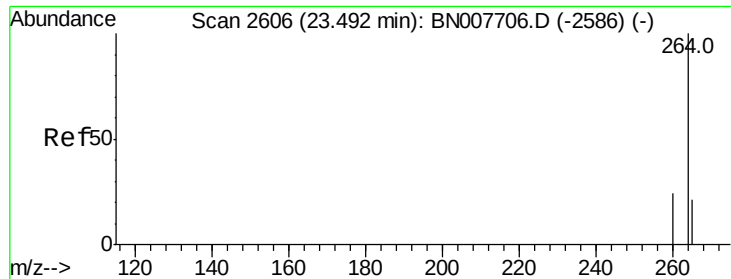
Ion Ratio Lower Upper

149 100

167 28.0 23.7 35.5

279 5.0 4.2 6.2





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.48 min Scan# 2603

Delta R.T. -0.01 min

Lab File: BN007722.D

Acq: 19 Sep 2019 01:04

Instrument :

BNA\_N

ClientSampleId :

RE126D3-20190912

Tot Ion: 264 Resp: 41265

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 32.1 26.9 40.3

