

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\  
 Data File : BN007748.D  
 Acq On : 19 Sep 2019 19:23  
 Operator : HP/JU  
 Sample : K4975-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D1-20190917

Quant Time: Sep 20 11:09:21 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

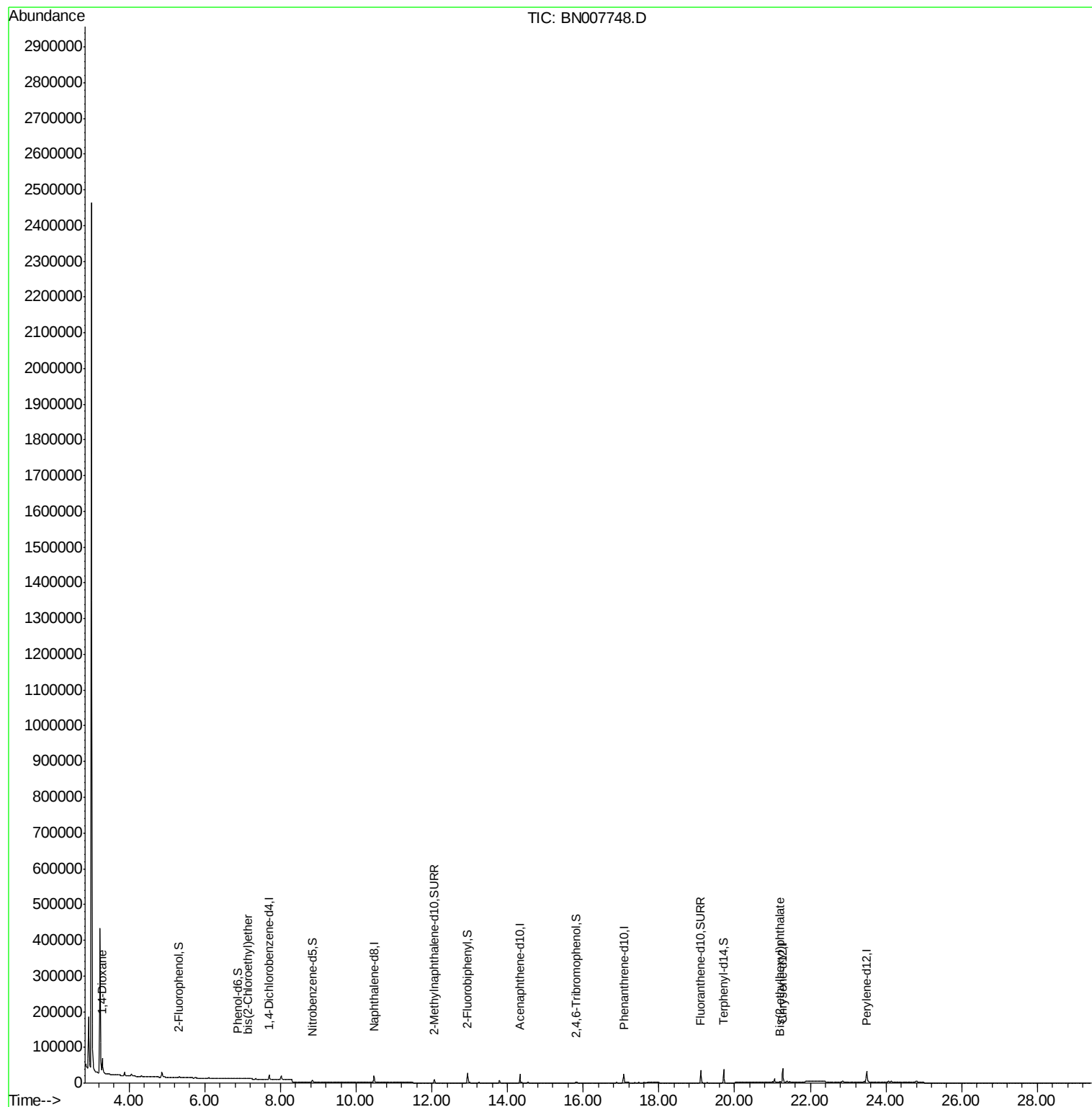
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.70  | 152  | 6117     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.47 | 136  | 23396    | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.32 | 164  | 14156    | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.07 | 188  | 32513    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.27 | 240  | 36491    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.49 | 264  | 40260    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.32  | 112  | 2025     | 0.10  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.87  | 99   | 1520     | 0.05  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.83  | 82   | 6360     | 0.31  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.06 | 152  | 13746    | 0.35  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.82 | 330  | 1482     | 0.19  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 12.94 | 172  | 24304    | 0.42  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.10 | 212  | 40219    | 0.37  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.71 | 244  | 38639    | 0.43  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.30  | 88   | 31508    | 4.621 | ng    | Qvalue # 91 |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93   | 1324     | 0.076 | ng    | # 80        |
| 32) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 2771     | 0.040 | ng    | 98          |

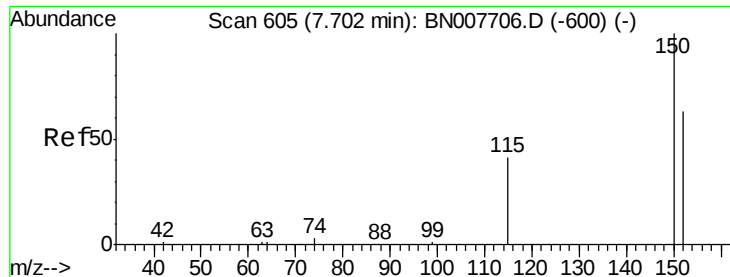
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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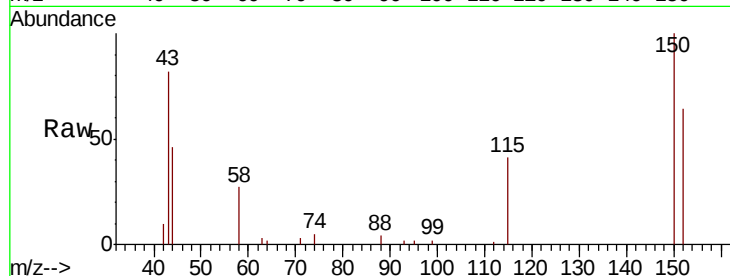


#1

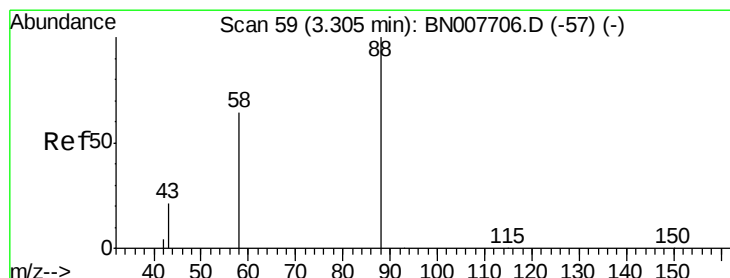
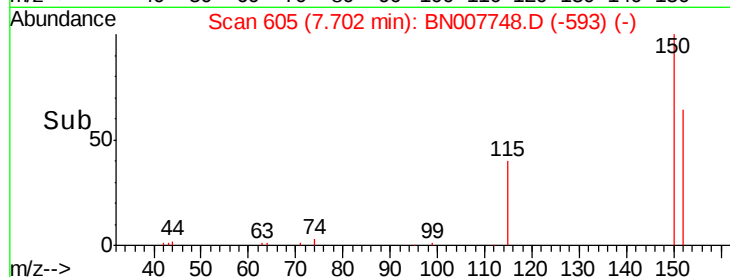
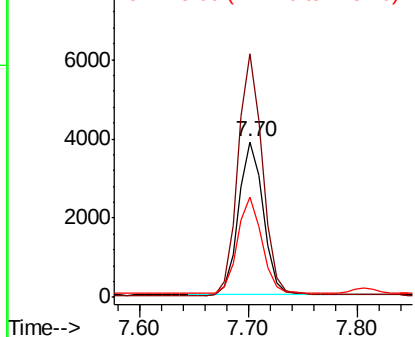
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.70 min Scan# 605  
Delta R.T. -0.00 min  
Lab File: BN007748.D  
Acq: 19 Sep 2019 19:23

Instrument :  
BNA\_N  
ClientSampleId :  
TT101D1-20190917

Tot Ion:152 Resp: 6117  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.6 188.4  
115 64.4 53.3 79.9



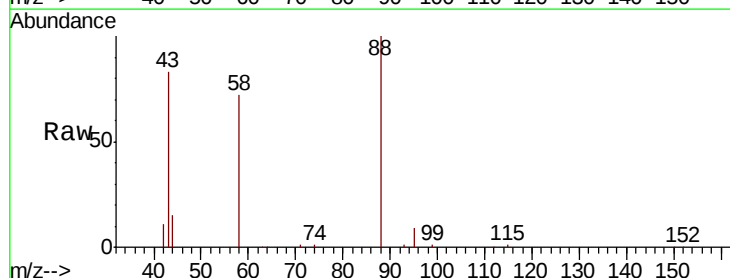
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



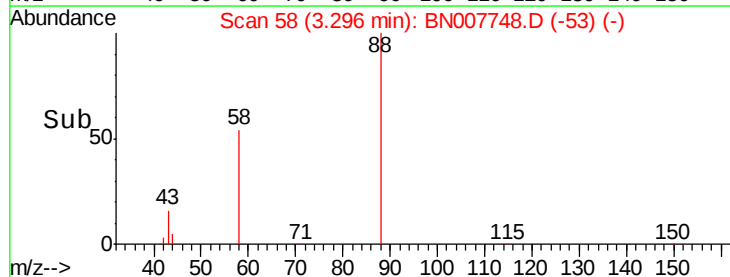
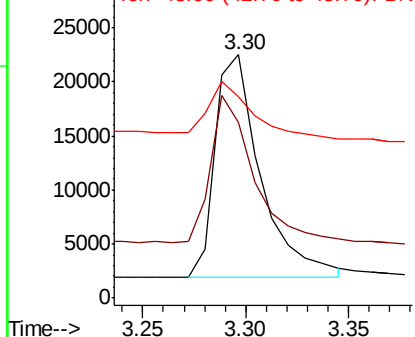
#2

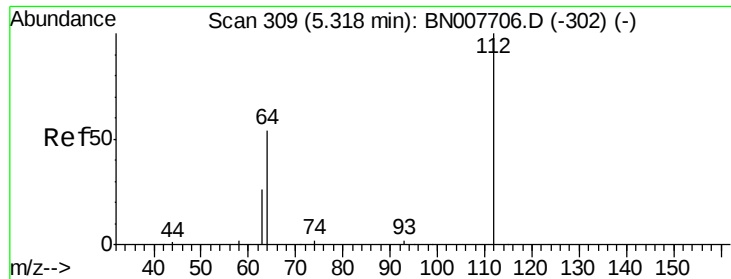
1,4-Dioxane  
Concen: 4.621 ng  
RT: 3.30 min Scan# 58  
Delta R.T. -0.01 min  
Lab File: BN007748.D  
Acq: 19 Sep 2019 19:23

Tgt Ion: 88 Resp: 31508  
Ion Ratio Lower Upper  
88 100  
58 61.2 44.6 66.8  
43 24.2 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: 0.096 ng

RT: 5.32 min Scan# 309

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

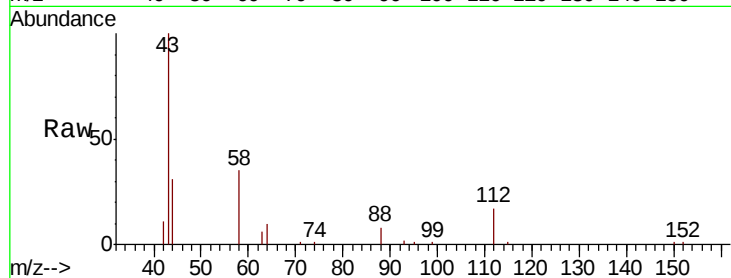
Tot Ion: 112 Resp: 2025

Ion Ratio Lower Upper

112 100

64 59.4 46.6 70.0

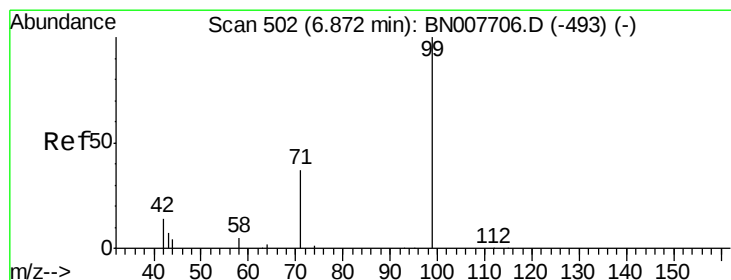
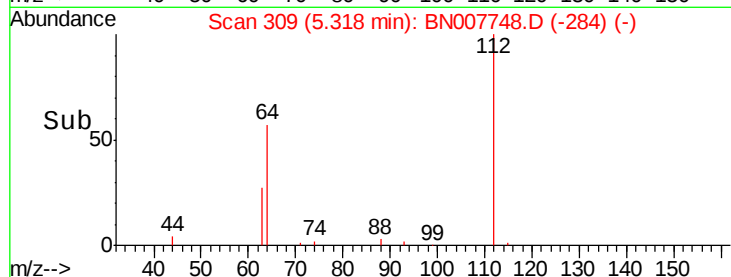
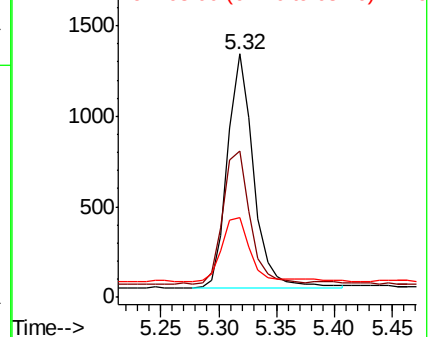
63 29.1 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.052 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

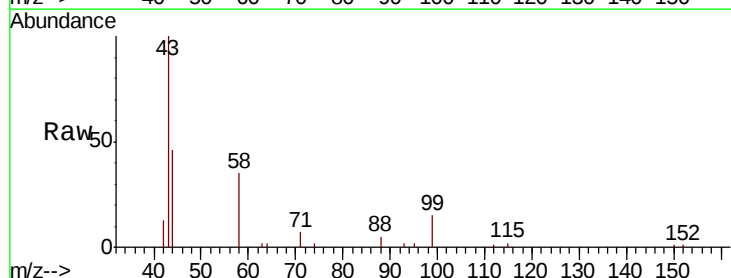
Tgt Ion: 99 Resp: 1520

Ion Ratio Lower Upper

99 100

42 27.6 12.8 19.2#

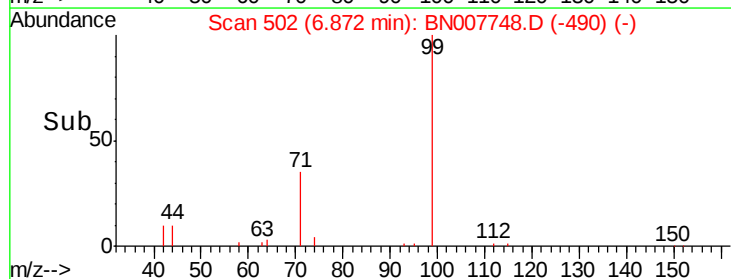
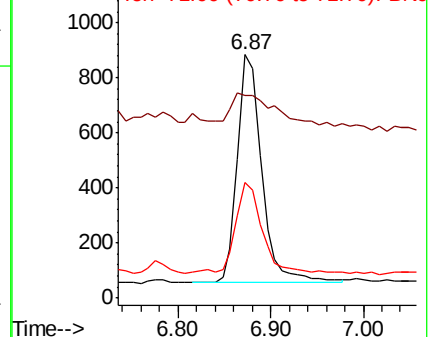
71 43.1 27.6 41.4#

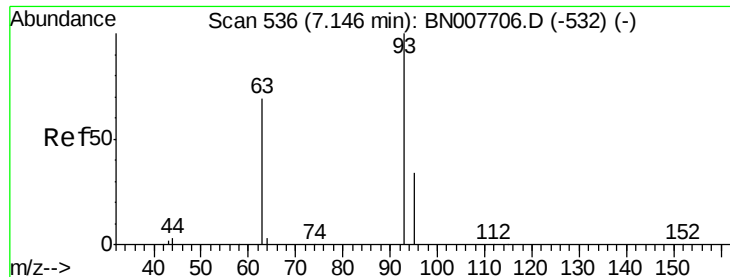


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 0.076 ng

RT: 7.15 min Scan# 536

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

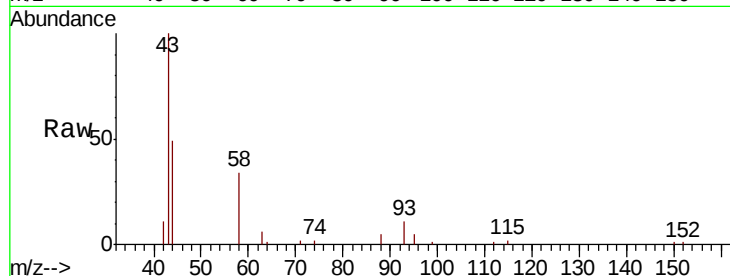
Tot Ion: 93 Resp: 1324

Ion Ratio Lower Upper

93 100

63 56.5 59.3 88.9#

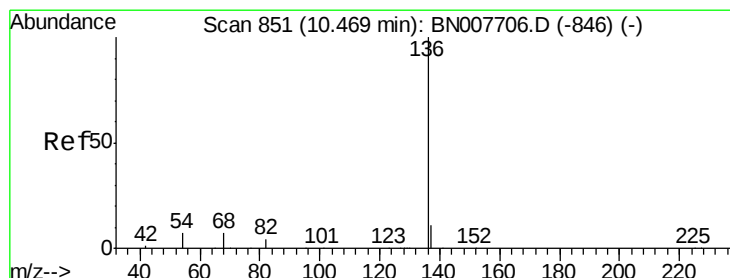
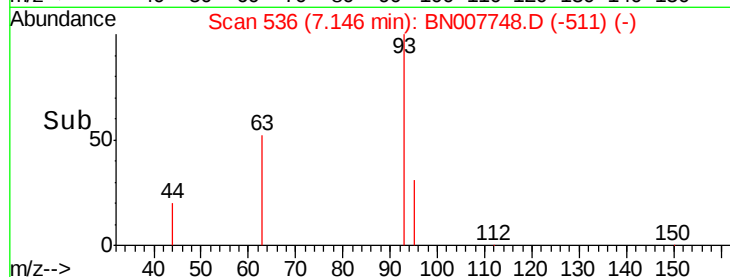
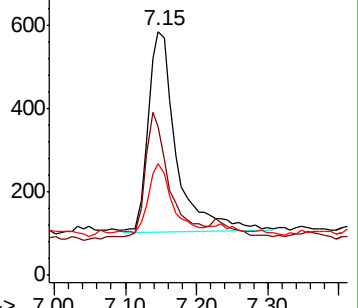
95 27.6 31.4 47.0#



Abundance Ion 93.00 (92.70 to 93.70): BN007706.D (-532) (-)

Ion 63.00 (62.70 to 63.70): BN007706.D (-532) (-)

Ion 95.00 (94.70 to 95.70): BN007706.D (-532) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 851

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Tgt Ion: 136 Resp: 23396

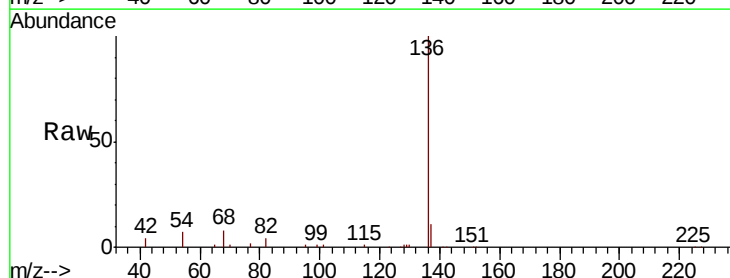
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 6.6 5.8 8.8

68 7.7 6.5 9.7

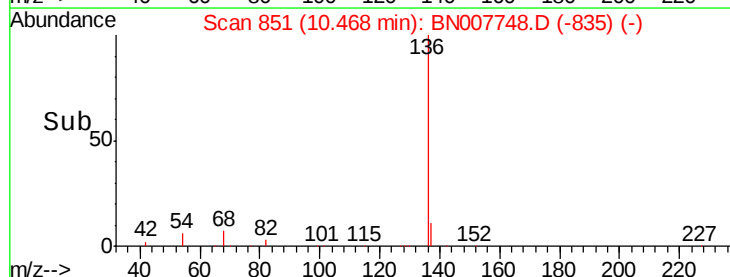
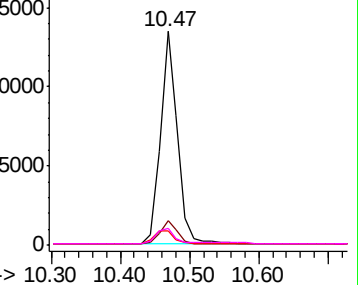


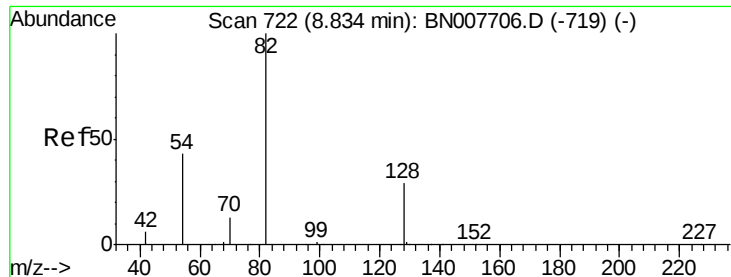
Abundance Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

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: 0.311 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

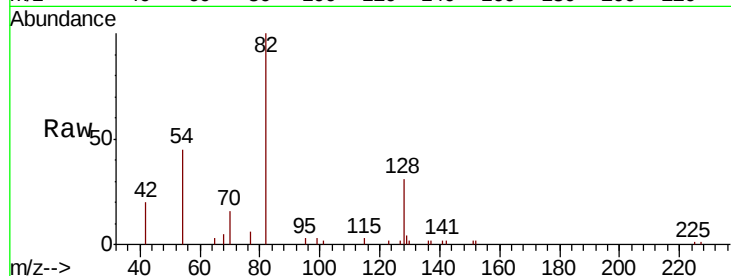
Tot Ion: 82 Resp: 6360

Ion Ratio Lower Upper

82 100

128 30.6 24.5 36.7

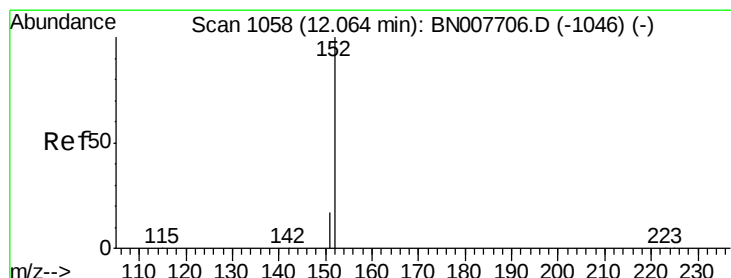
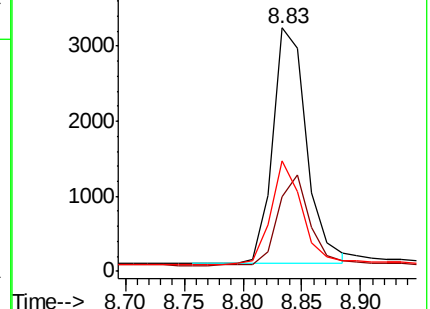
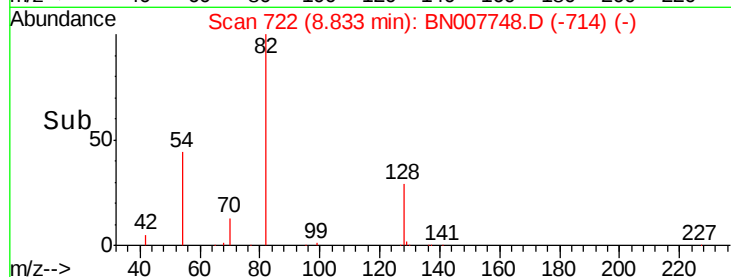
54 45.4 35.2 52.8



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: 0.349 ng

RT: 12.06 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BN007748.D

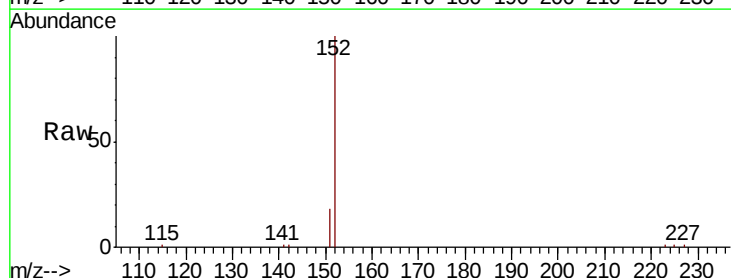
Acq: 19 Sep 2019 19:23

Tgt Ion: 152 Resp: 13746

Ion Ratio Lower Upper

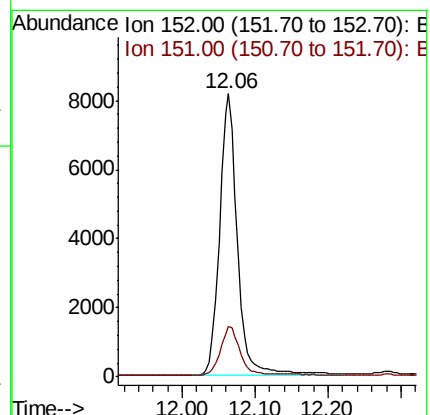
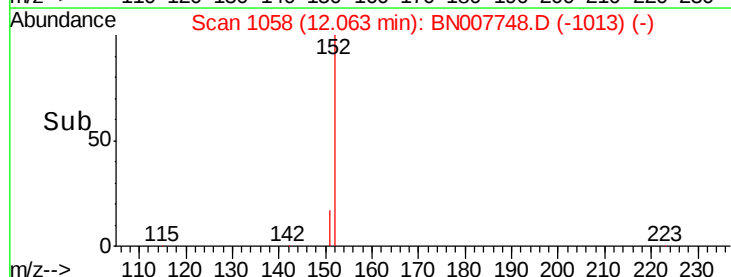
152 100

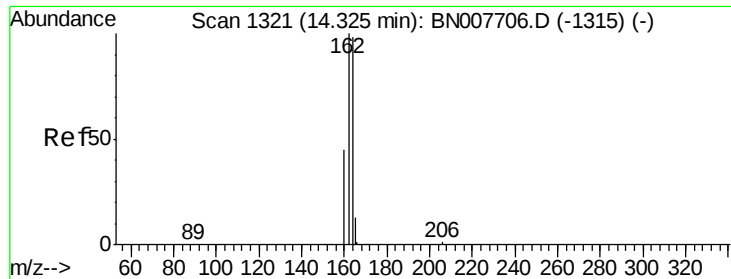
151 18.8 15.4 23.2



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: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

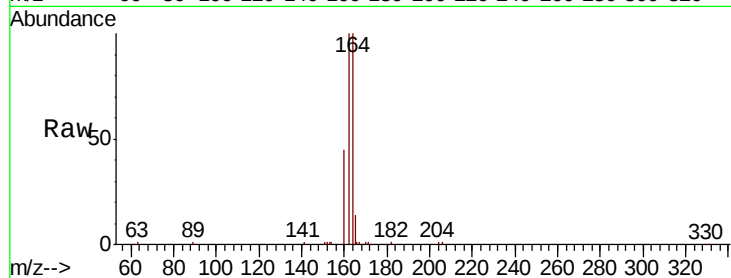
Tot Ion:164 Resp: 14156

Ion Ratio Lower Upper

164 100

162 100.3 81.7 122.5

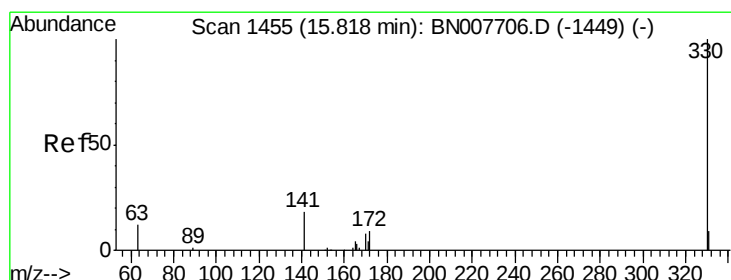
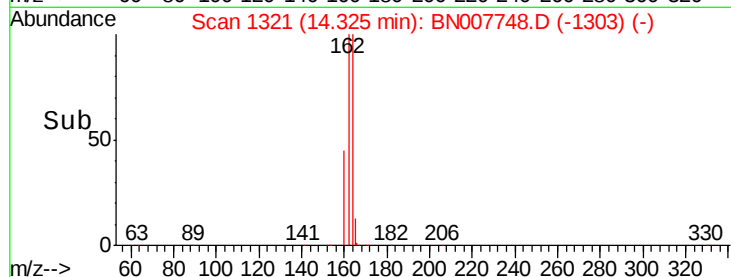
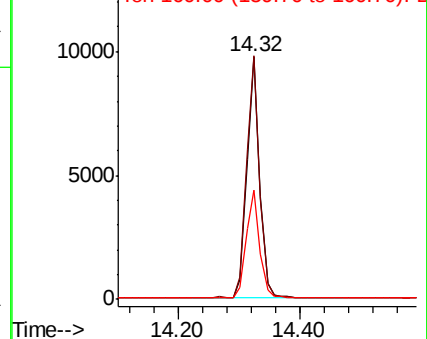
160 45.2 37.0 55.4



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: 0.192 ng

RT: 15.82 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

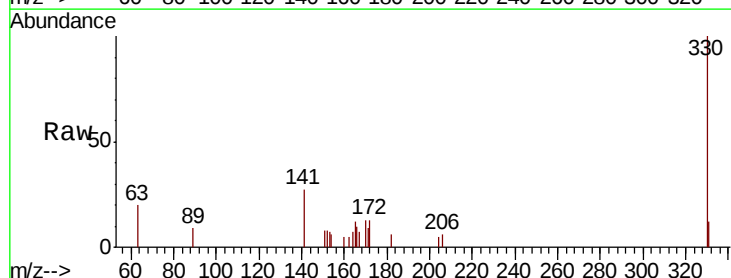
Tgt Ion:330 Resp: 1482

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

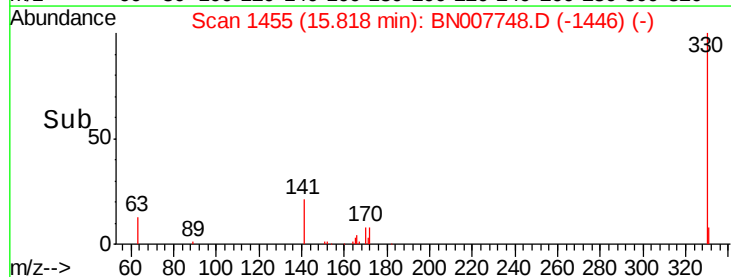
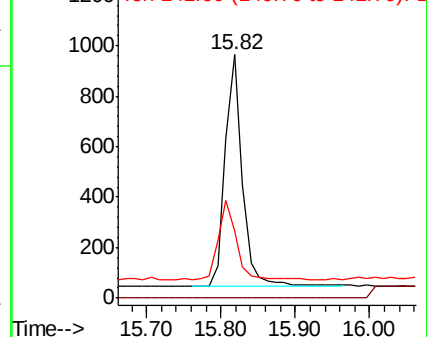
141 36.7 28.7 43.1

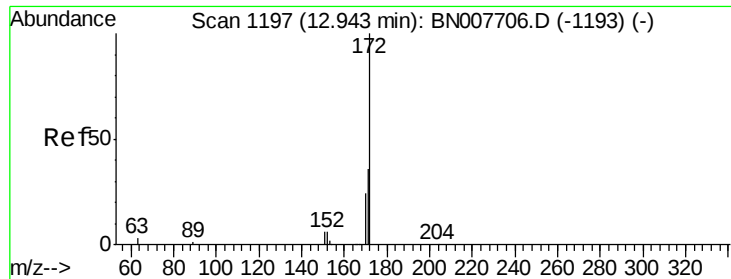


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

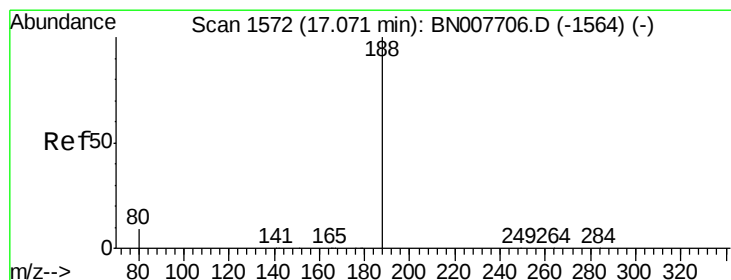
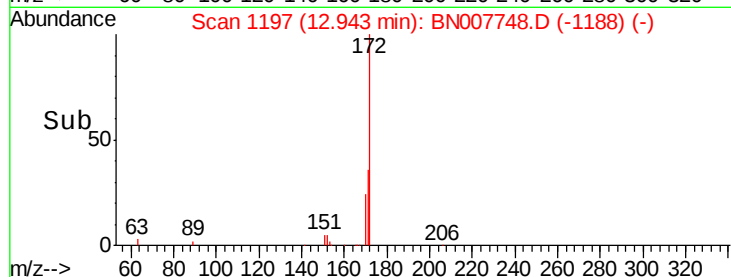
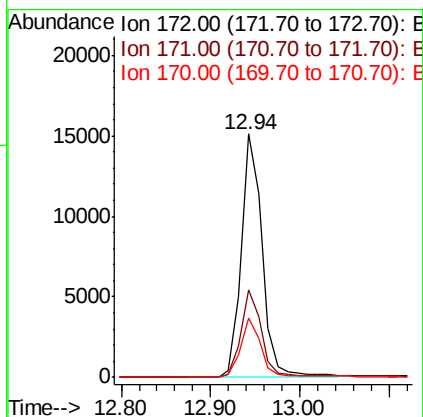
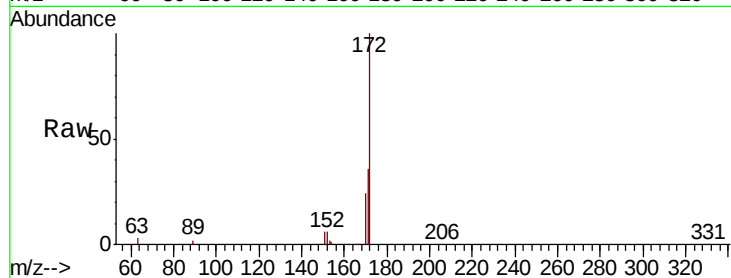




#15  
2-Fluorobiphenyl  
Concen: 0.417 ng  
RT: 12.94 min Scan# 1197  
Delta R.T. -0.00 min  
Lab File: BN007748.D  
Acq: 19 Sep 2019 19:23

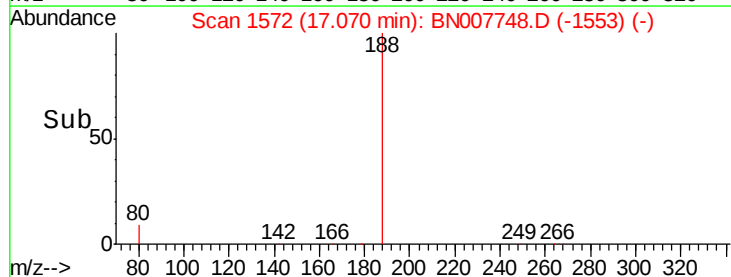
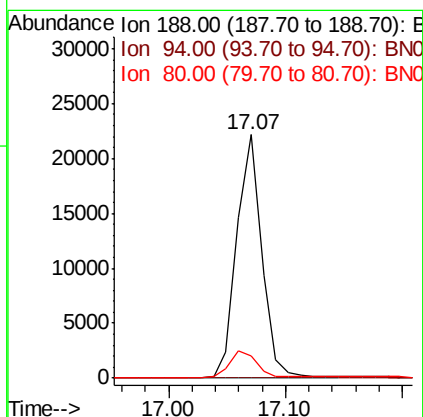
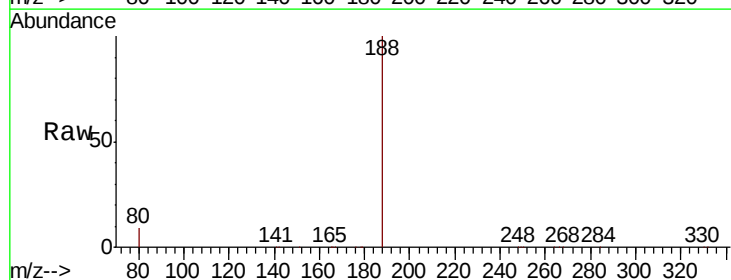
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D1-20190917

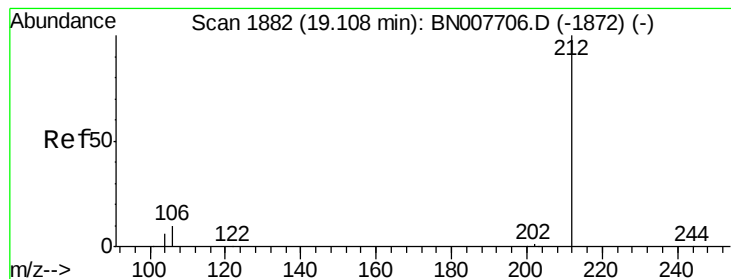
Tot Ion:172 Resp: 24304  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.8 43.2  
170 24.1 19.5 29.3



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.07 min Scan# 1572  
Delta R.T. -0.00 min  
Lab File: BN007748.D  
Acq: 19 Sep 2019 19:23

Tgt Ion:188 Resp: 32513  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.2 7.4 11.2





#25

Fluoranthene-d10

Concen: 0.367 ng

RT: 19.10 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

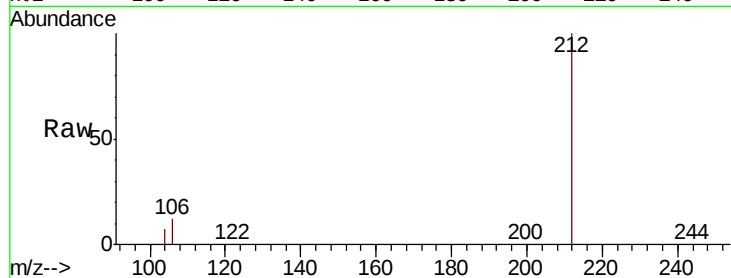
Tot Ion:212 Resp: 40219

Ion Ratio Lower Upper

212 100

106 11.9 9.4 14.0

104 6.7 5.3 7.9

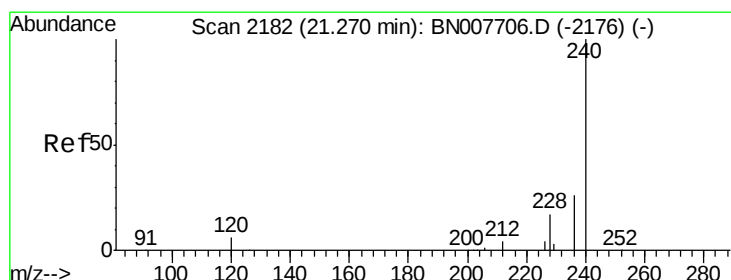
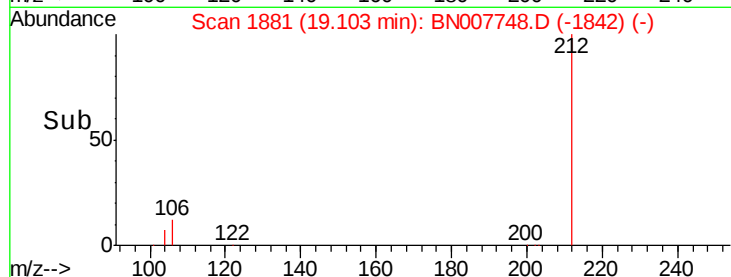
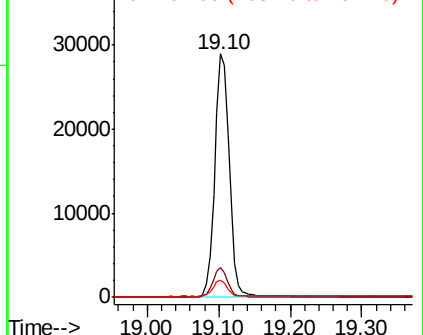


Abundance

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: 21.27 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

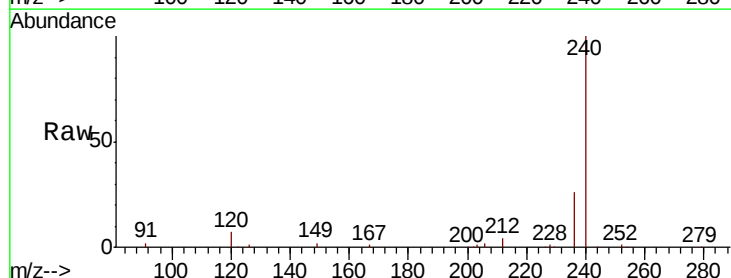
Tgt Ion:240 Resp: 36491

Ion Ratio Lower Upper

240 100

120 7.1 5.4 8.2

236 26.1 21.0 31.4

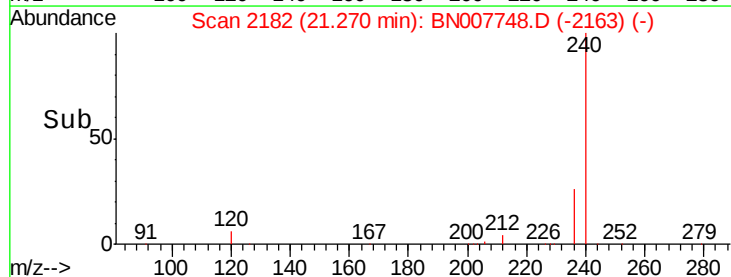
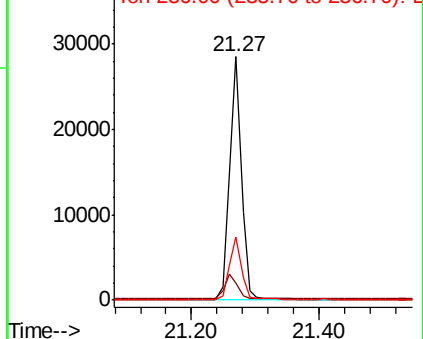


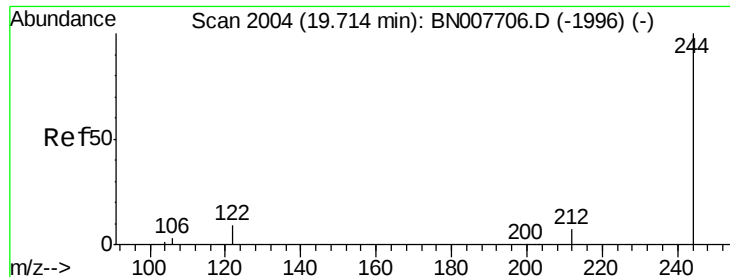
Abundance

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: 0.431 ng

RT: 19.71 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

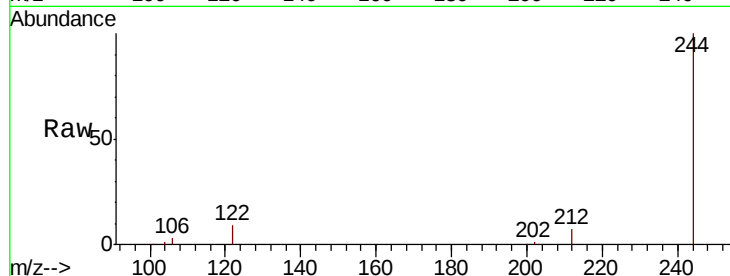
Tot Ion:244 Resp: 38639

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

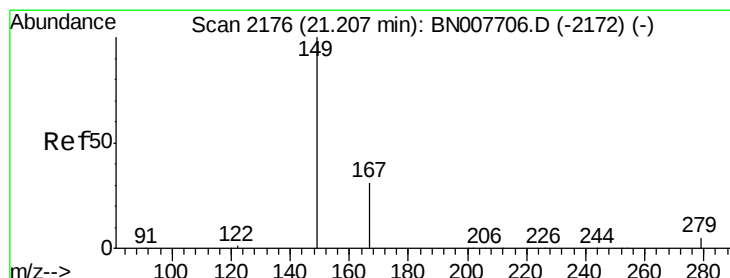
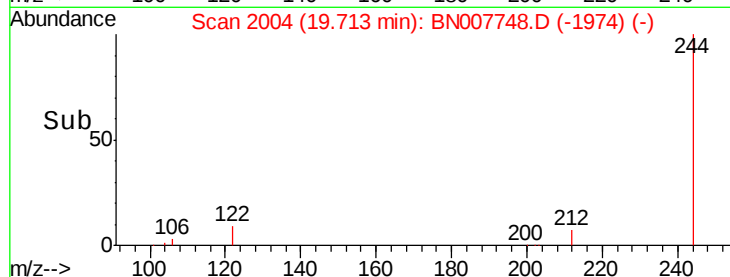
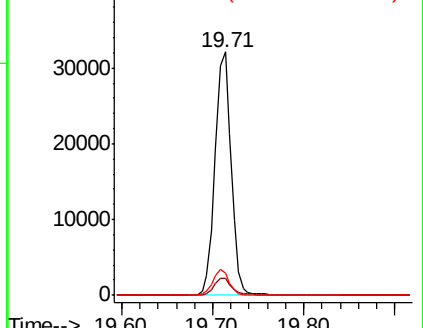
122 9.0 7.4 11.2



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: 0.040 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

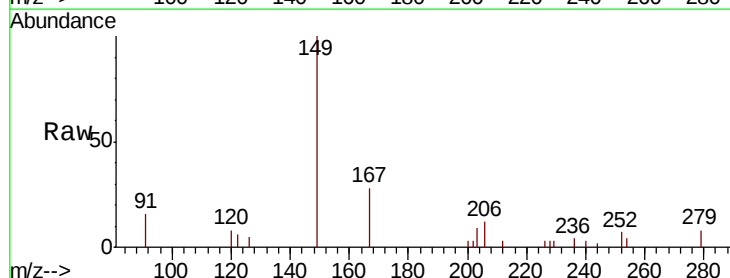
Tgt Ion:149 Resp: 2771

Ion Ratio Lower Upper

149 100

167 28.5 23.7 35.5

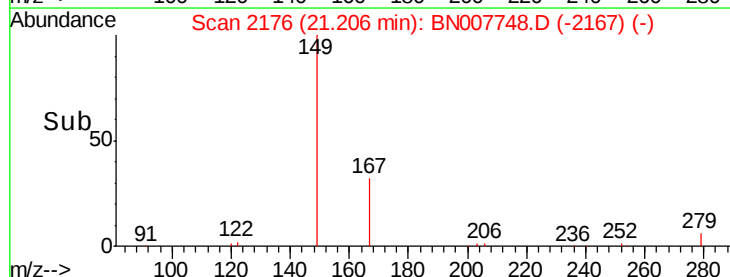
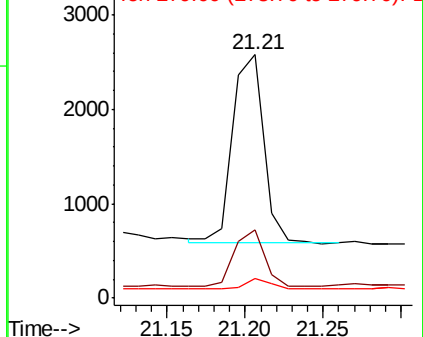
279 4.8 4.2 6.2

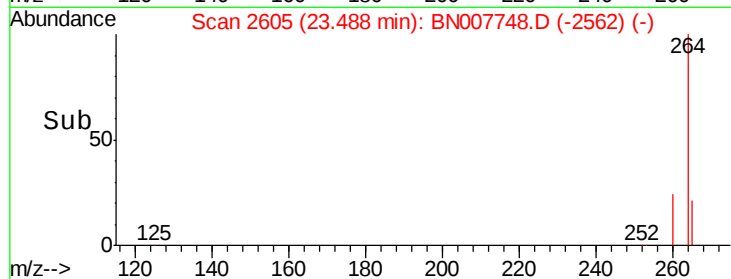
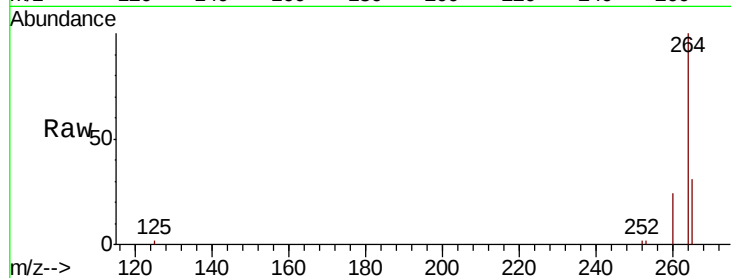
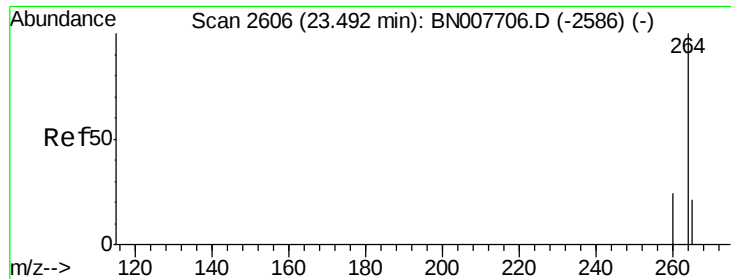


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.49 min Scan# 2605

Delta R.T. -0.00 min

Lab File: BN007748.D

Acq: 19 Sep 2019 19:23

Instrument :

BNA\_N

ClientSampleId :

TT101D1-20190917

Tot Ion:264 Resp: 40260

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 31.2 26.9 40.3

