

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\  
 Data File : BN007657.D  
 Acq On : 14 Sep 2019 10:21  
 Operator : HP/JU  
 Sample : K4858-25  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D5-20190911

Quant Time: Sep 16 01:38:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:27:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 9940     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.48 | 136  | 39114    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.34 | 164  | 22636    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 45571    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.27 | 240  | 47130    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.49 | 264  | 48831    | 0.40 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.33  | 112  | 3387     | 0.11 | ng    | 0.00     |
| 5) Phenol-d6                | 6.89  | 99   | 2948     | 0.08 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.85  | 82   | 8315     | 0.27 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.07 | 152  | 19592    | 0.30 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330  | 2631     | 0.31 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 12.95 | 172  | 27324    | 0.28 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 19.11 | 212  | 47501    | 0.33 | ng    | -0.01    |
| 29) Terphenyl-d14           | 19.71 | 244  | 43889    | 0.35 | ng    | -0.01    |

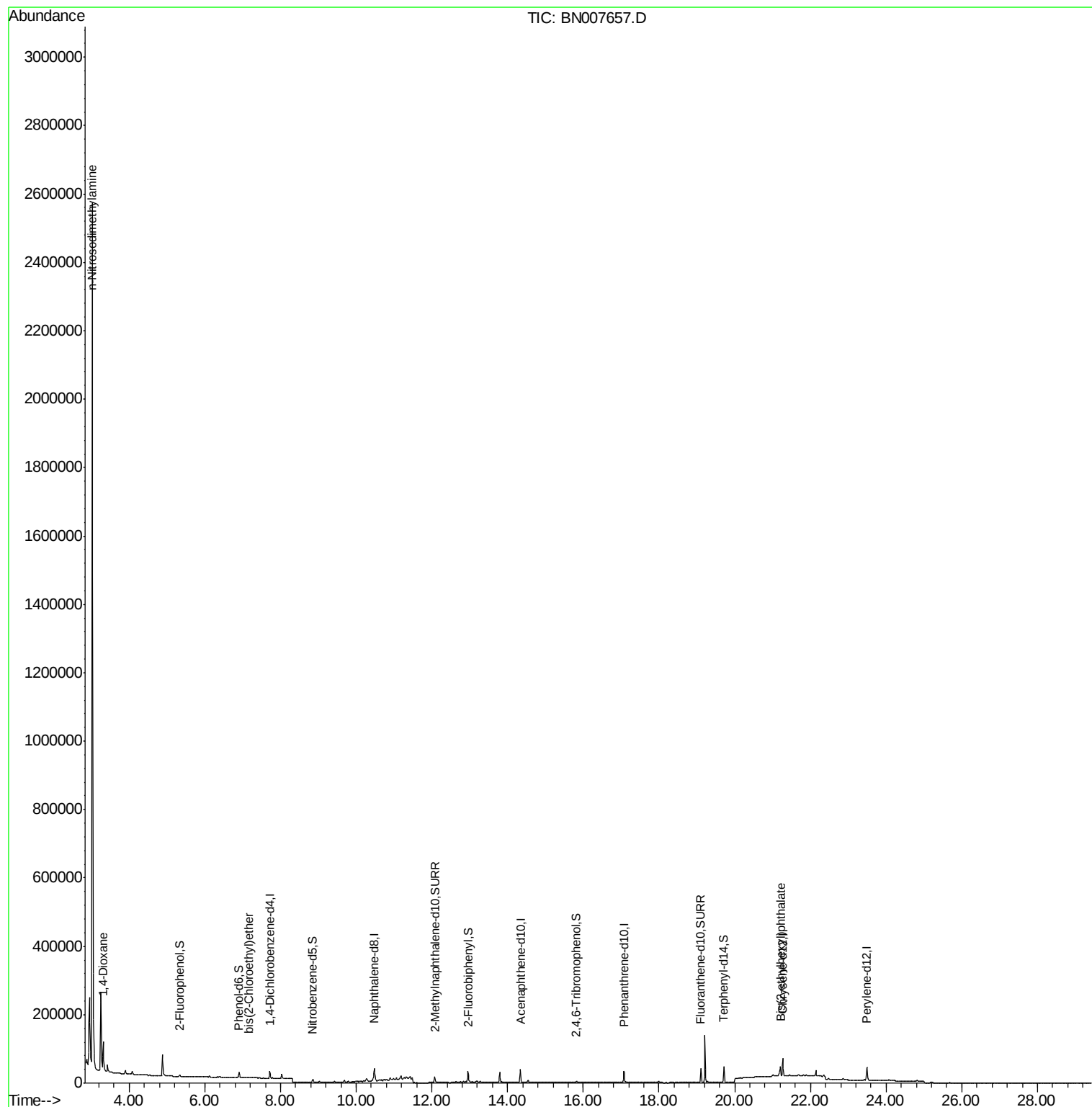
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.31  | 88   | 65174    | 5.472  | ng    | 90     |
| 3) n-Nitrosodimethylamine      | 3.03  | 42   | 223197   | 41.297 | ng    | # 1    |
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93   | 1162     | 0.040  | ng    | # 87   |
| 32) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 38008    | 0.671  | ng    | 97     |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M  
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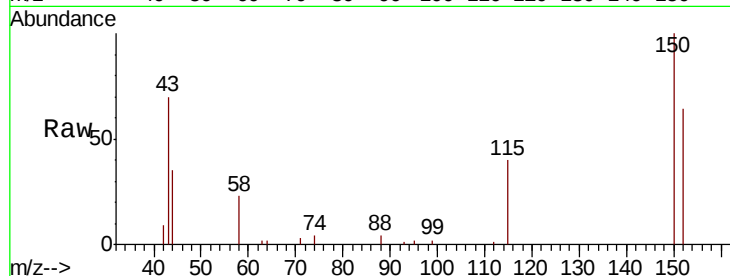


#1

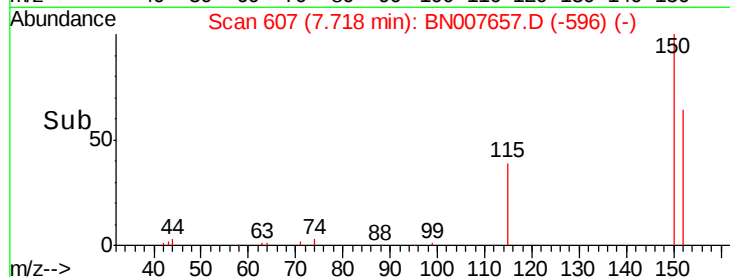
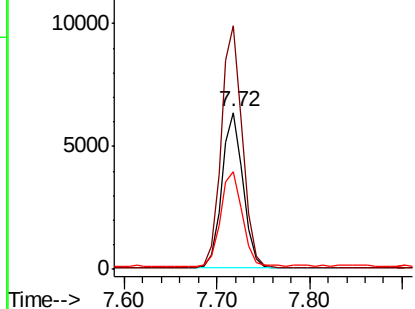
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.72 min Scan# 607  
 Delta R.T. -0.01 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D5-20190911

Tot Ion:152 Resp: 9940  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 122.4 183.6  
 115 62.8 50.4 75.6



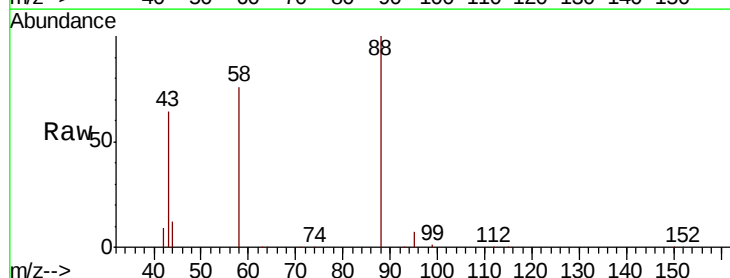
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



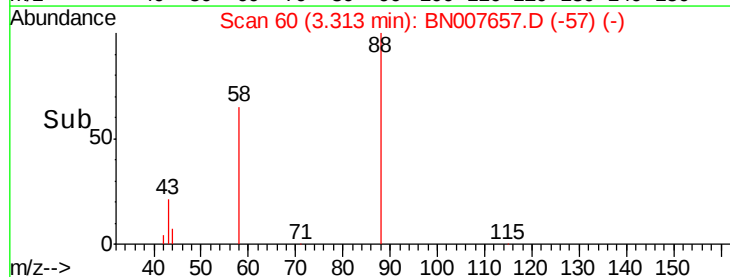
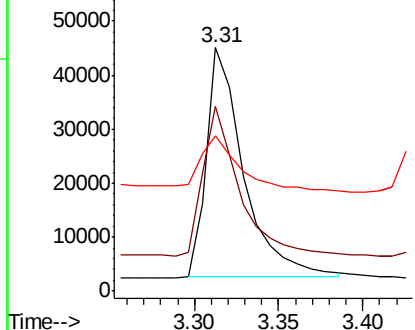
#2

1,4-Dioxane  
 Concen: 5.472 ng  
 RT: 3.31 min Scan# 60  
 Delta R.T. -0.02 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

Tgt Ion: 88 Resp: 65174  
 Ion Ratio Lower Upper  
 88 100  
 58 60.1 57.0 85.4  
 43 24.5 20.0 30.0



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: 41.297 ng

RT: 3.03 min Scan# 25

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

Instrument :

BNA\_N

ClientSampleId :

RE132D5-20190911

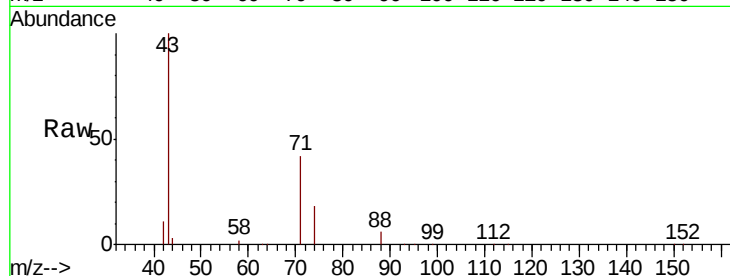
Tot Ion: 42 Resp: 223197

Ion Ratio Lower Upper

42 100

74 147.4 9.8 14.8#

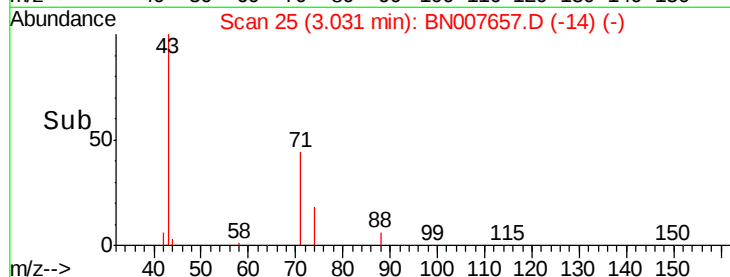
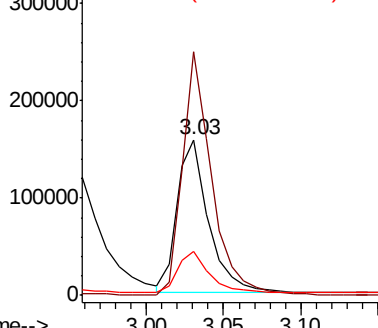
44 26.5 0.0 0.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.106 ng

RT: 5.33 min Scan# 311

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

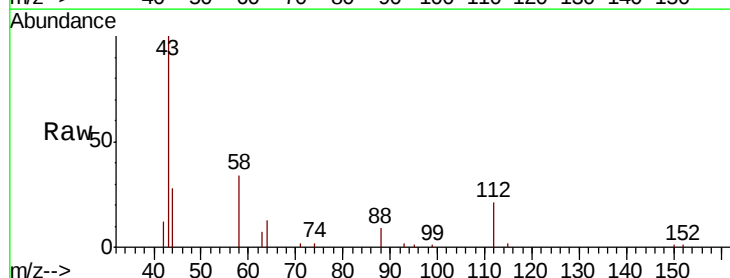
Tgt Ion: 112 Resp: 3387

Ion Ratio Lower Upper

112 100

64 58.2 48.5 72.7

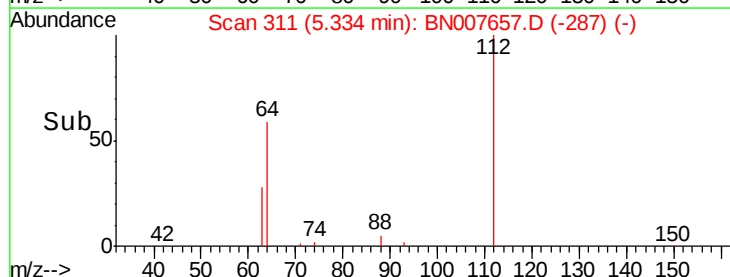
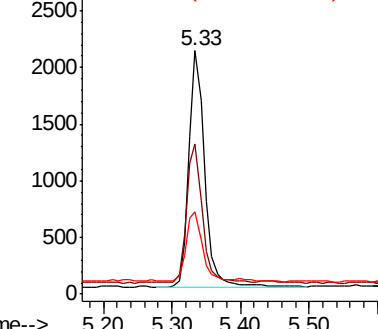
63 29.1 24.4 36.6

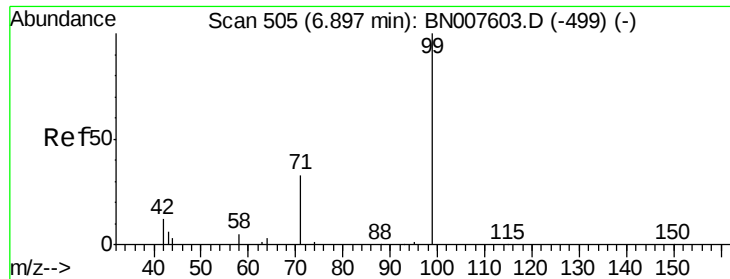


Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.082 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

Instrument :

BNA\_N

ClientSampleId :

RE132D5-20190911

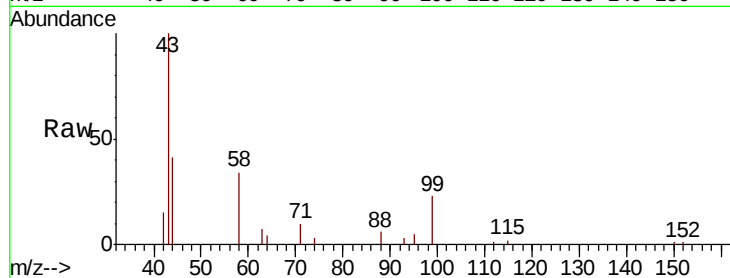
Tot Ion: 99 Resp: 2948

Ion Ratio Lower Upper

99 100

42 54.0 11.8 17.6#

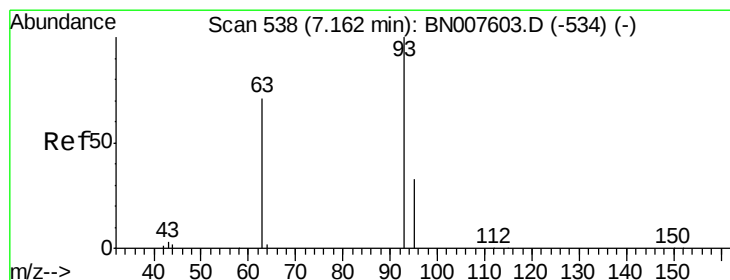
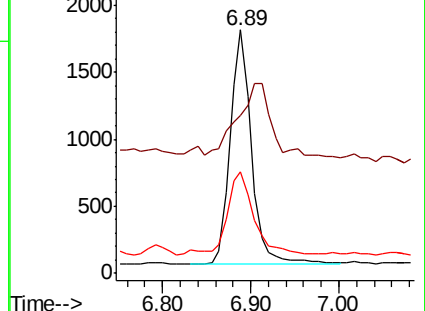
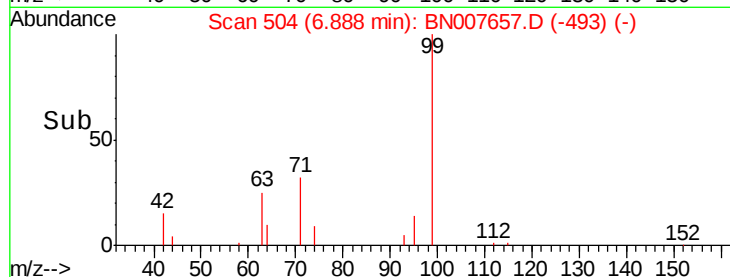
71 45.5 28.0 42.0#



Abundance Ion 99.00 (98.70 to 99.70): BN007603.D (-499) (-)

Ion 42.00 (41.70 to 42.70): BN007603.D (-499) (-)

Ion 71.00 (70.70 to 71.70): BN007603.D (-499) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.040 ng

RT: 7.15 min Scan# 537

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

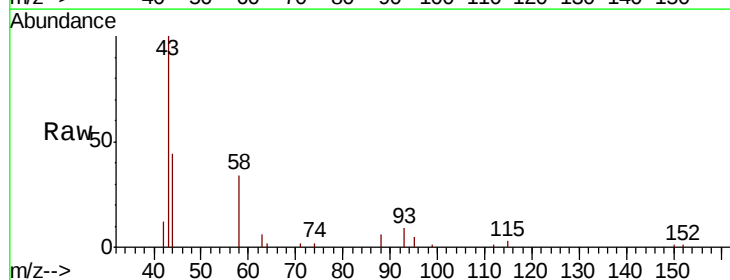
Tgt Ion: 93 Resp: 1162

Ion Ratio Lower Upper

93 100

63 68.9 61.2 91.8

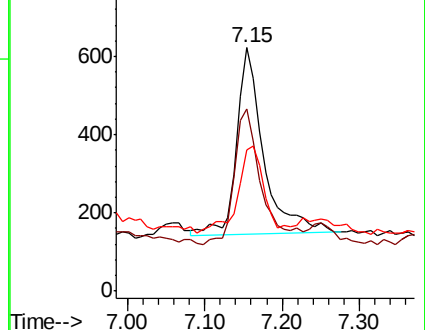
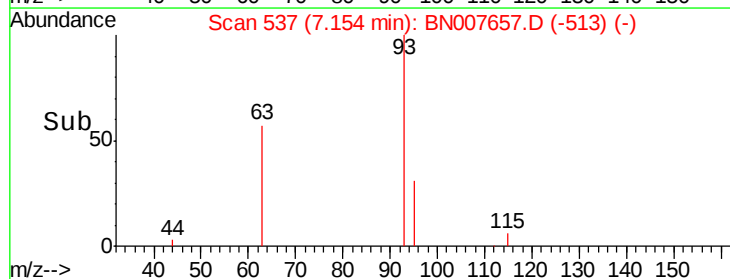
95 46.2 27.2 40.8#

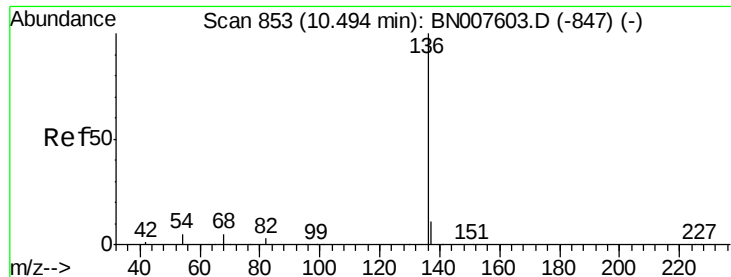


Abundance Ion 93.00 (92.70 to 93.70): BN007603.D (-534) (-)

Ion 63.00 (62.70 to 63.70): BN007603.D (-534) (-)

Ion 95.00 (94.70 to 95.70): BN007603.D (-534) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 852

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

Instrument :

BNA\_N

ClientSampleId :

RE132D5-20190911

Tot Ion:136 Resp: 39114

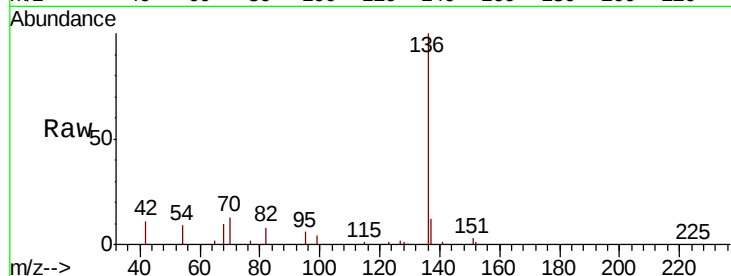
Ion Ratio Lower Upper

136 100

137 11.7 8.8 13.2

54 8.7 4.2 6.4#

68 9.7 4.6 7.0#

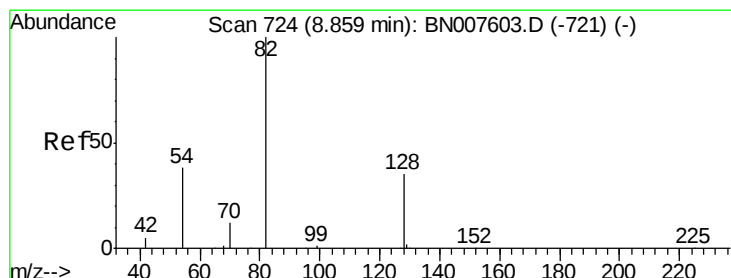
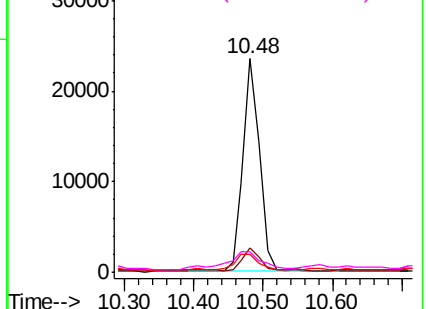
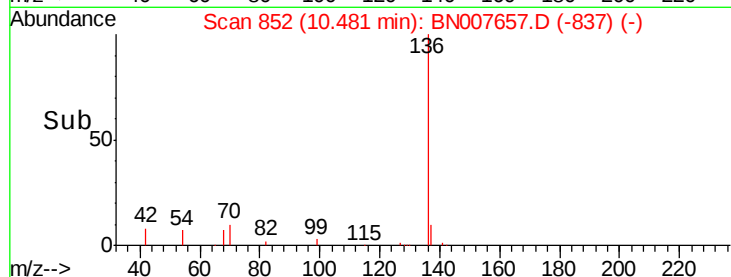


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.266 ng

RT: 8.85 min Scan# 723

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

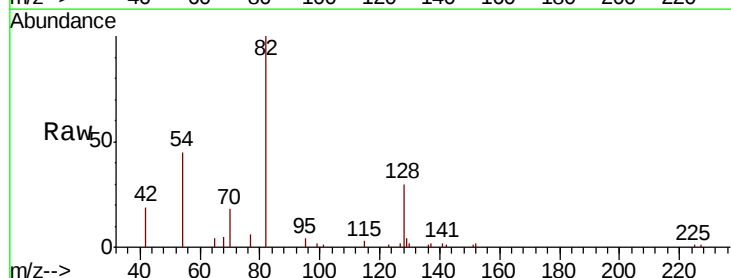
Tgt Ion: 82 Resp: 8315

Ion Ratio Lower Upper

82 100

128 30.3 27.9 41.9

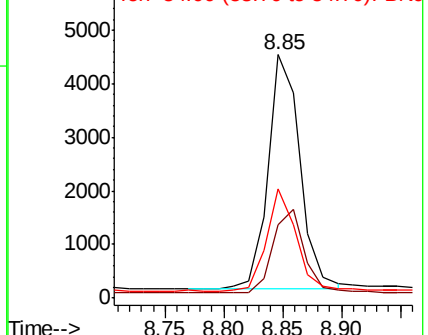
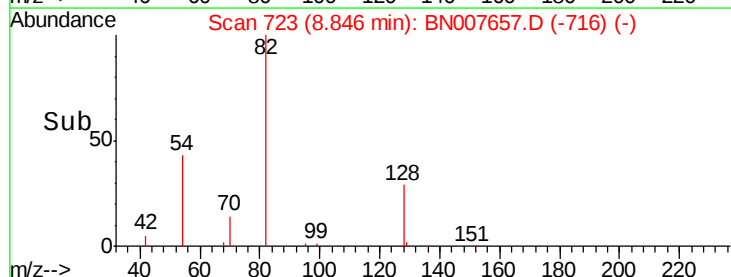
54 44.8 30.9 46.3

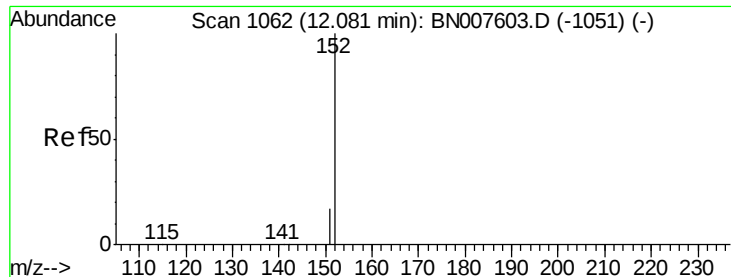


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

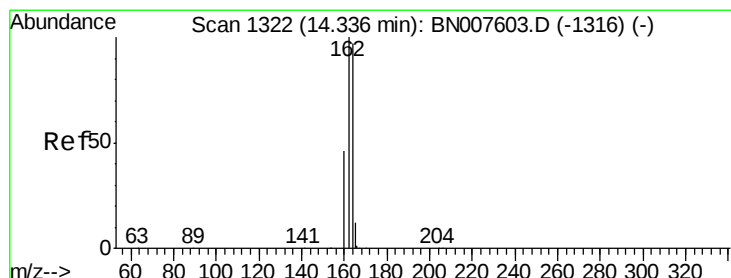
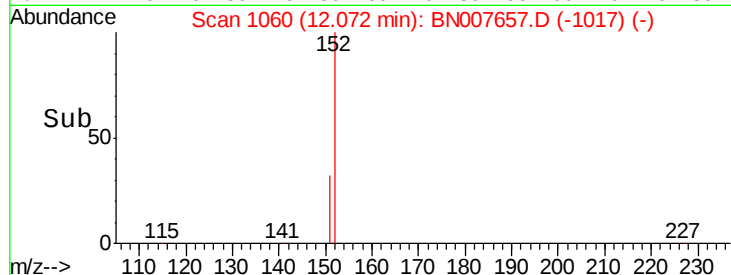
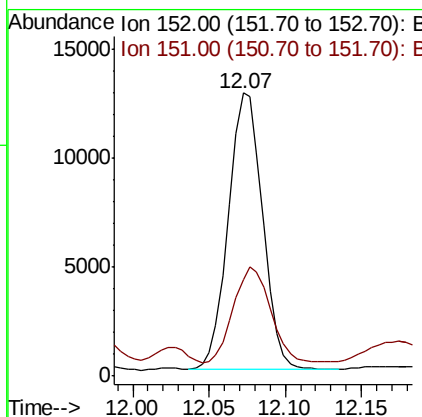
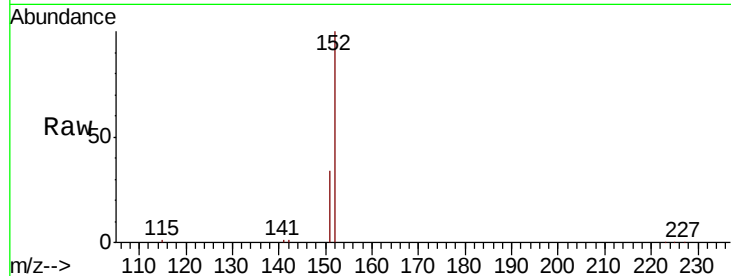




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.296 ng  
 RT: 12.07 min Scan# 1060  
 Delta R.T. -0.01 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

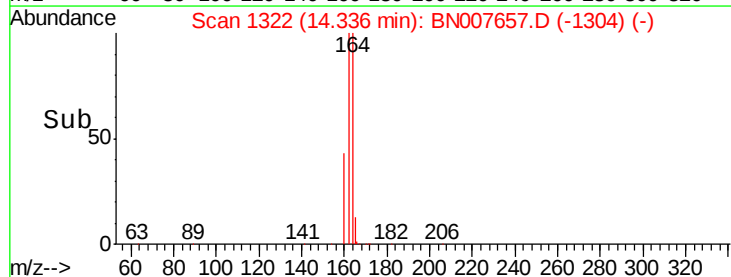
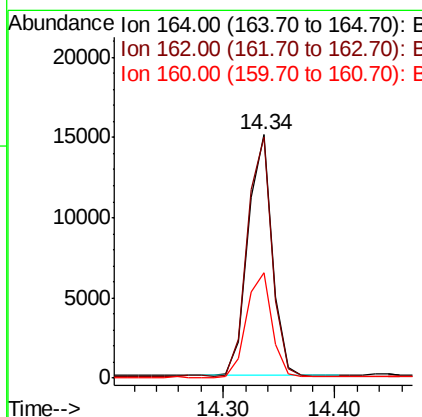
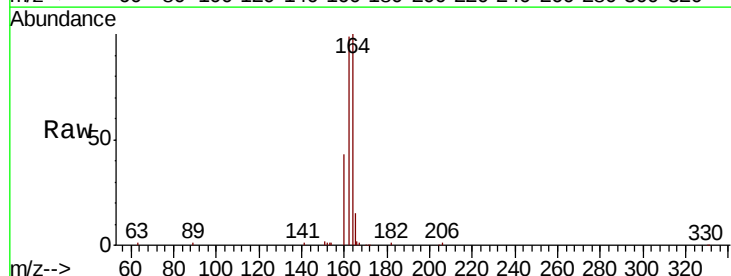
Instrument :  
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 RE132D5-20190911

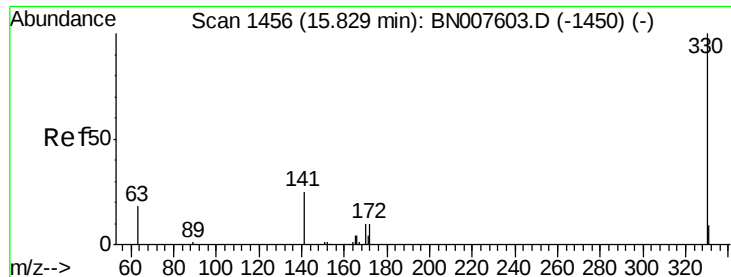
Tot Ion:152 Resp: 19592  
 Ion Ratio Lower Upper  
 152 100  
 151 38.0 15.3 22.9#



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.34 min Scan# 1322  
 Delta R.T. -0.00 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

Tgt Ion:164 Resp: 22636  
 Ion Ratio Lower Upper  
 164 100  
 162 99.2 82.8 124.2  
 160 43.3 38.0 57.0

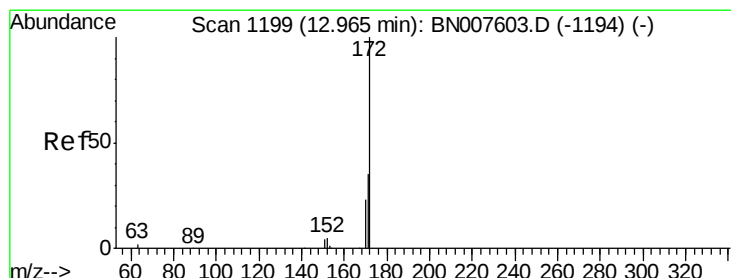
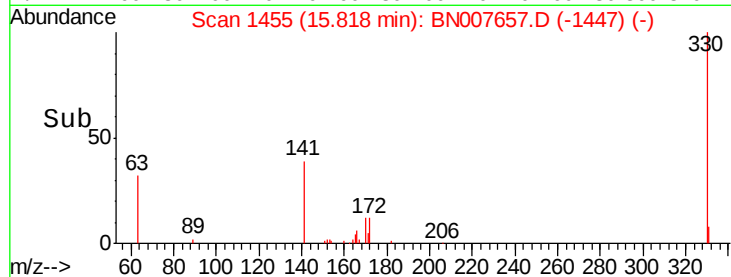
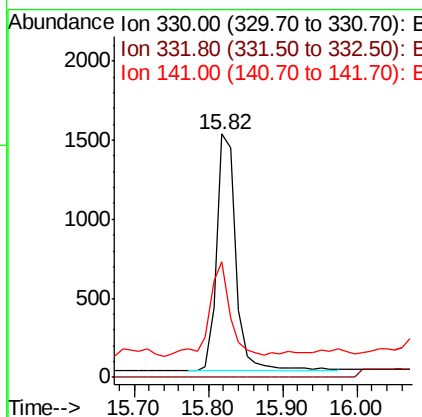
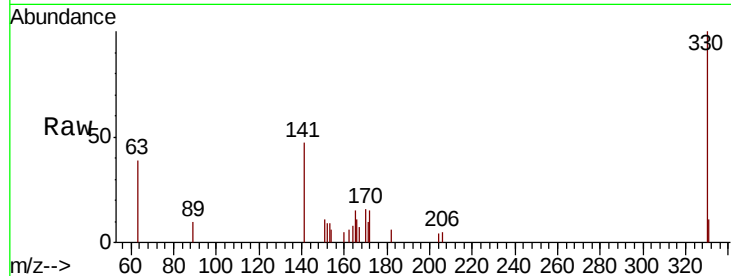




#14  
 2,4,6-Tribromophenol  
 Concen: 0.307 ng  
 RT: 15.82 min Scan# 1455  
 Delta R.T. -0.01 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

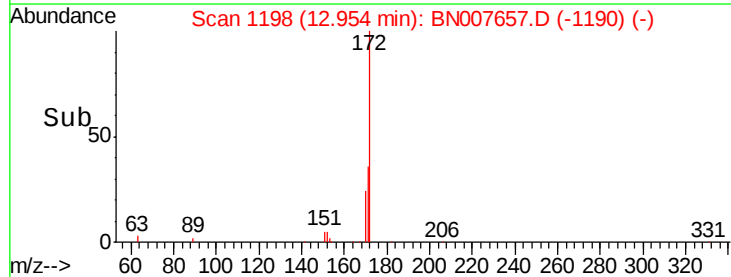
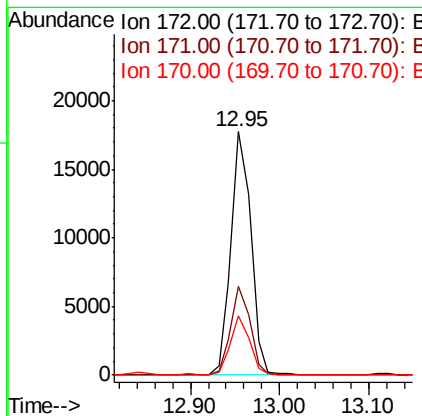
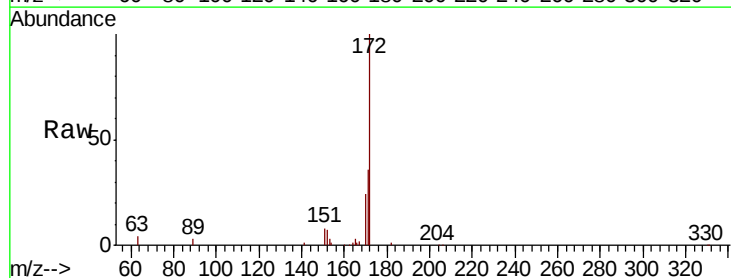
Instrument :  
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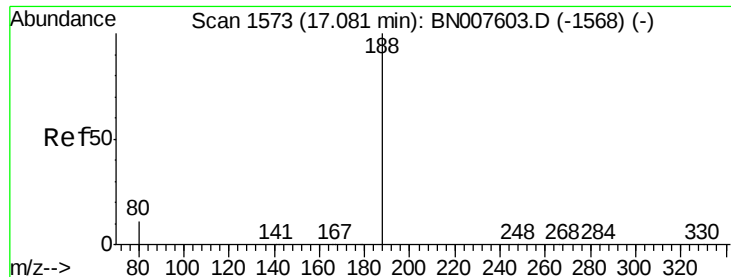
Tot Ion:330 Resp: 2631  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 41.0 30.1 45.1



#15  
 2-Fluorobiphenyl  
 Concen: 0.277 ng  
 RT: 12.95 min Scan# 1198  
 Delta R.T. -0.01 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

Tgt Ion:172 Resp: 27324  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 27.9 41.9  
 170 24.1 18.5 27.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

Instrument :

BNA\_N

ClientSampleId :

RE132D5-20190911

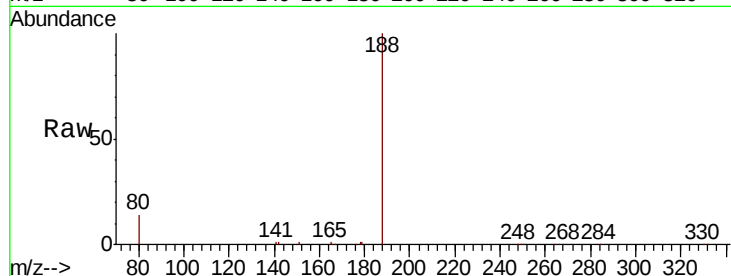
Tot Ion:188 Resp: 45571

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

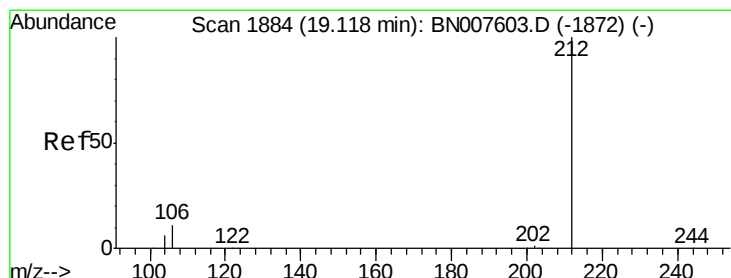
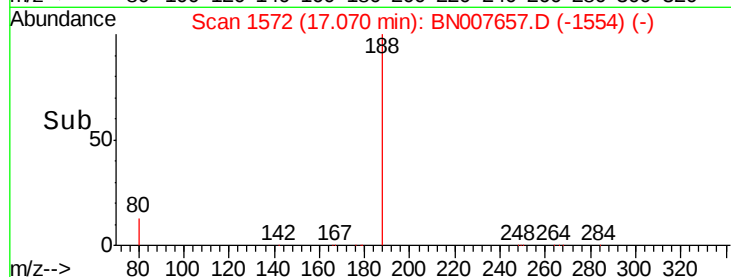
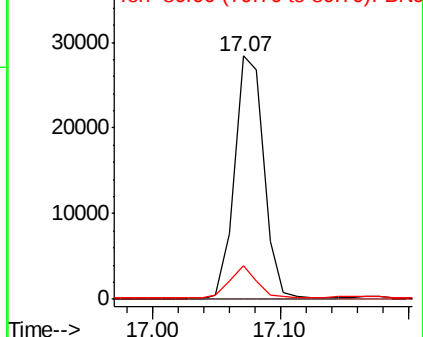
80 14.0 8.8 13.2#



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: 0.330 ng

RT: 19.11 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

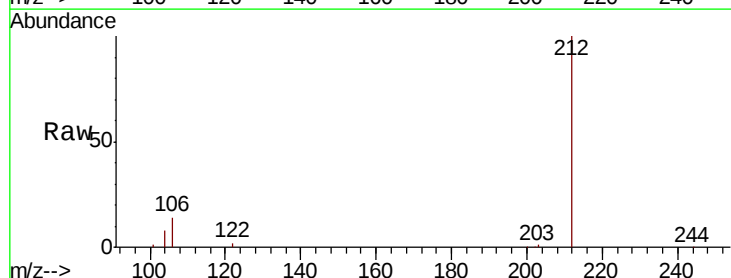
Tgt Ion:212 Resp: 47501

Ion Ratio Lower Upper

212 100

106 12.4 9.6 14.4

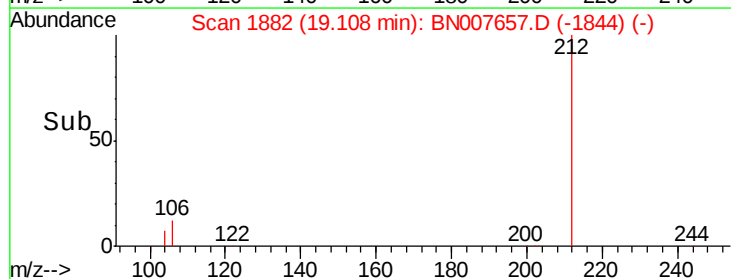
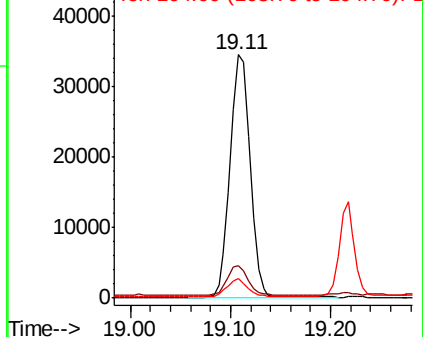
104 7.0 5.4 8.0

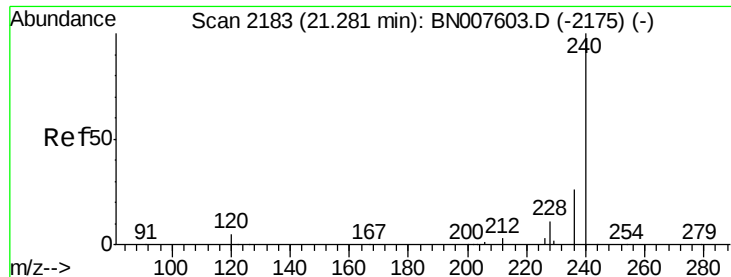


Abundance Ion 212.00 (211.70 to 212.70): E

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. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

Instrument :

BNA\_N

ClientSampleId :

RE132D5-20190911

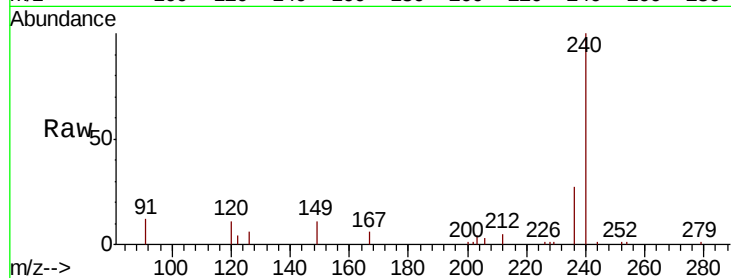
Tot Ion:240 Resp: 47130

Ion Ratio Lower Upper

240 100

120 11.5 4.3 6.5#

236 27.5 20.8 31.2

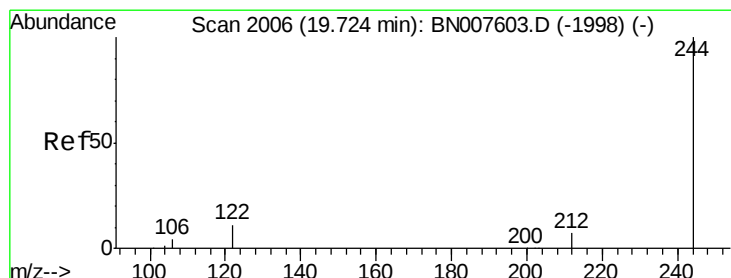
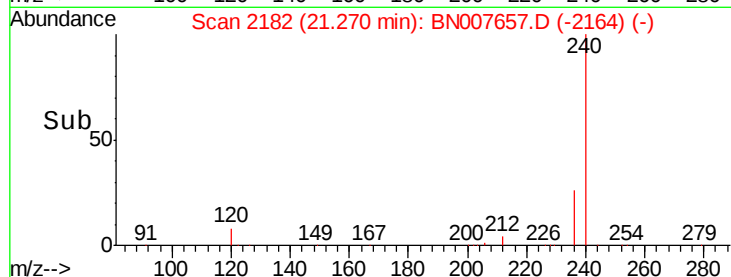
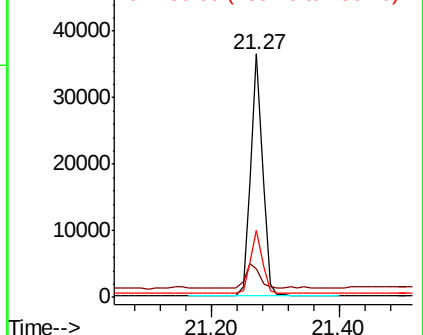


Abundance

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: 0.353 ng

RT: 19.71 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BN007657.D

Acq: 14 Sep 2019 10:21

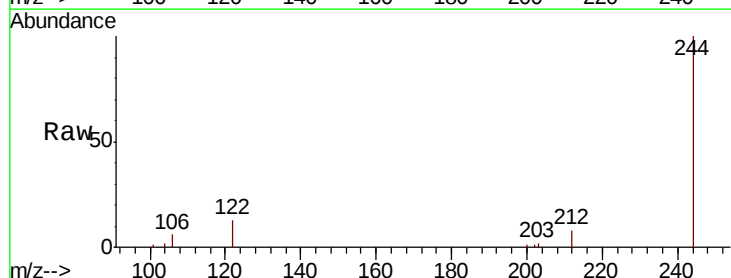
Tgt Ion:244 Resp: 43889

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 13.0 8.6 12.8#

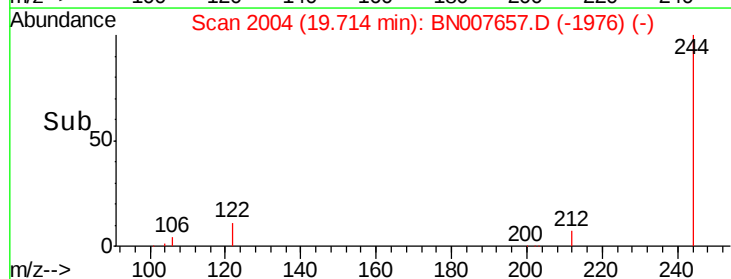
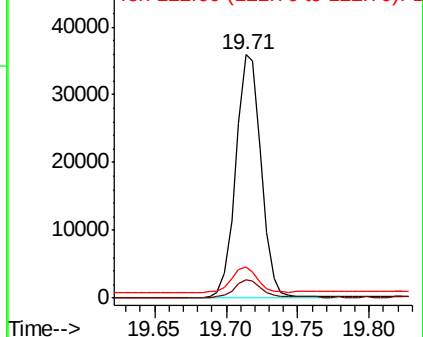


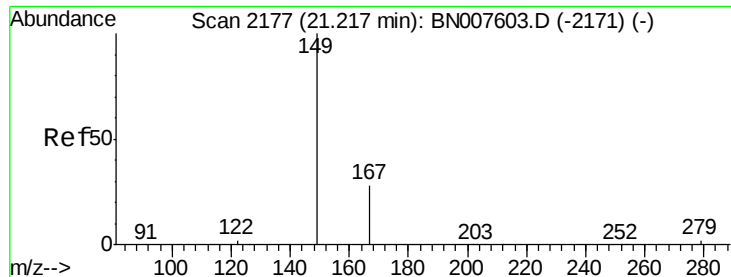
Abundance

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

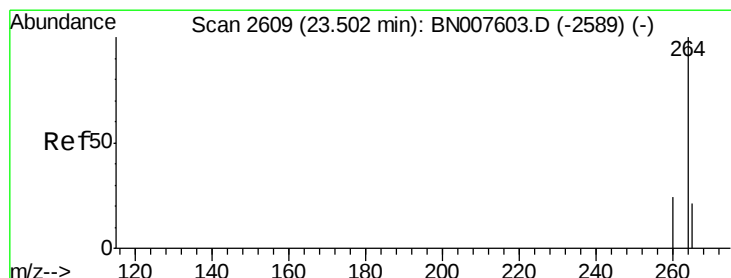
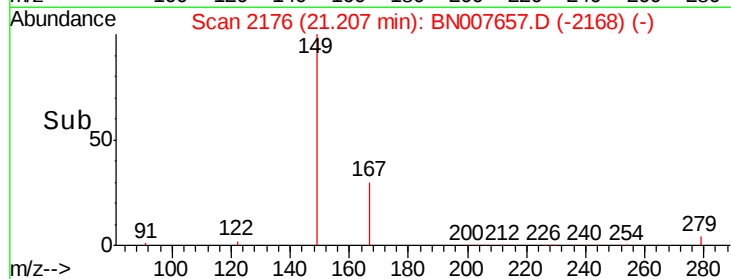
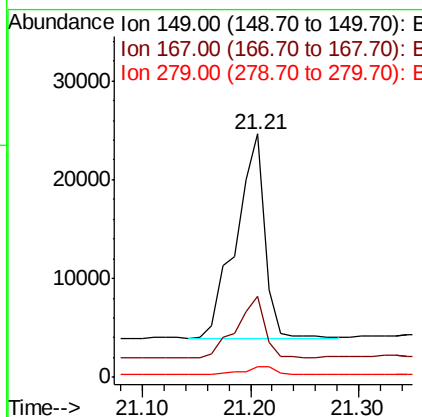
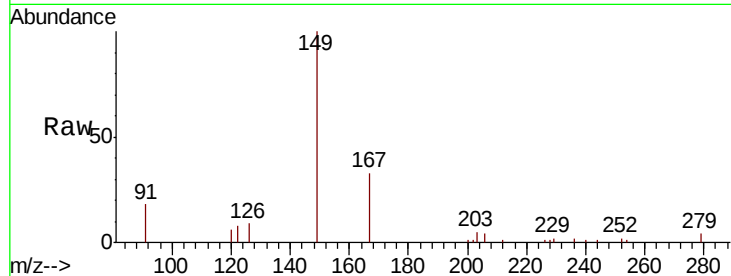




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.671 ng  
 RT: 21.21 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE132D5-20190911

Tot Ion:149 Resp: 38008  
 Ion Ratio Lower Upper  
 149 100  
 167 30.0 22.6 34.0  
 279 3.9 3.8 5.6



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.49 min Scan# 2606  
 Delta R.T. -0.01 min  
 Lab File: BN007657.D  
 Acq: 14 Sep 2019 10:21

Tgt Ion:264 Resp: 48831  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.1 28.7  
 265 32.6 24.6 37.0

