

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\  
 Data File : BN010857.D  
 Acq On : 13 Jun 2020 00:18  
 Operator : CG/JU  
 Sample : L2988-16  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D4-20200609

Quant Time: Jun 23 20:00:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 22 12:02:11 2020  
 Response via : Initial Calibration

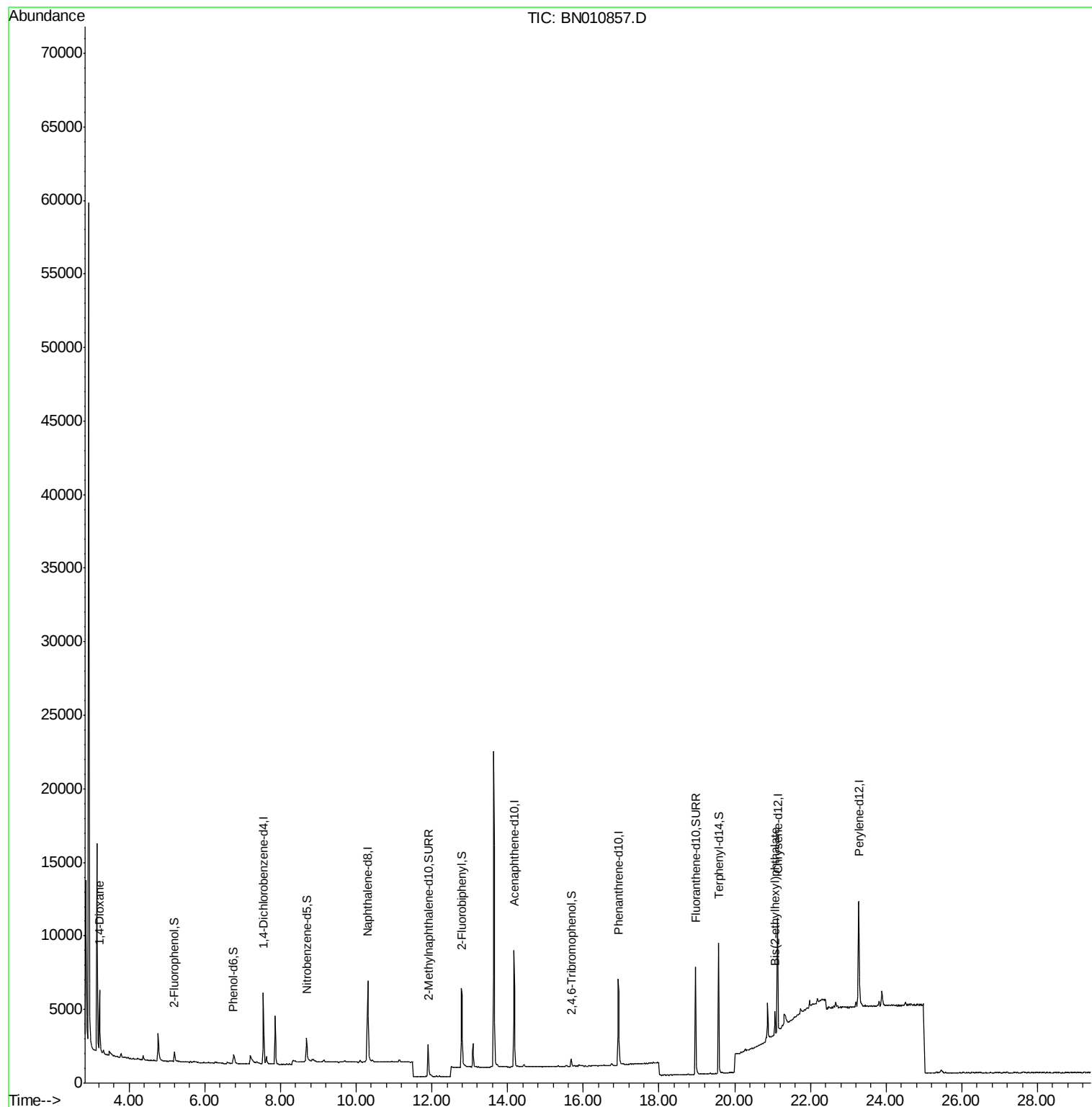
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.55  | 152  | 2420     | 0.40  | ng    | 0.02     |
| 7) Naphthalene-d8              | 10.30 | 136  | 8610     | 0.40  | ng    | 0.03     |
| 13) Acenaphthene-d10           | 14.17 | 164  | 4693     | 0.40  | ng    | 0.02     |
| 19) Phenanthrene-d10           | 16.92 | 188  | 9809     | 0.40  | ng    | 0.01     |
| 27) Chrysene-d12               | 21.13 | 240  | 9608     | 0.40  | ng    | 0.01     |
| 34) Perylene-d12               | 23.28 | 264  | 10334    | 0.40  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.21  | 112  | 673      | 0.14  | ng    | 0.02     |
| 5) Phenol-d6                   | 6.75  | 99   | 468      | 0.09  | ng    | 0.02     |
| 8) Nitrobenzene-d5             | 8.69  | 82   | 2015     | 0.32  | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10    | 11.90 | 152  | 3632     | 0.27  | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol       | 15.68 | 330  | 468      | 0.28  | ng    | 0.02     |
| 15) 2-Fluorobiphenyl           | 12.80 | 172  | 5766     | 0.31  | ng    | 0.02     |
| 25) Fluoranthene-d10           | 18.96 | 212  | 9673     | 0.36  | ng    | 0.02     |
| 29) Terphenyl-d14              | 19.57 | 244  | 9507     | 0.42  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.22  | 88   | 3312     | 1.397 | ng    | 97       |
| 32) Bis(2-ethylhexyl)phthalate | 21.07 | 149  | 1399     | 0.149 | ng    | 93       |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\  
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ALS Vial : 20 Sample Multiplier: 1

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Quant Time: Jun 23 20:00:30 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 22 12:02:11 2020  
Response via : Initial Calibration



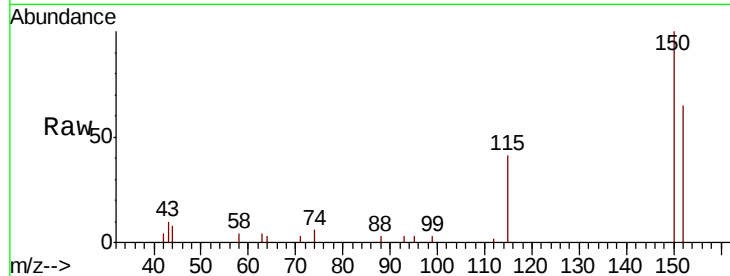


#1

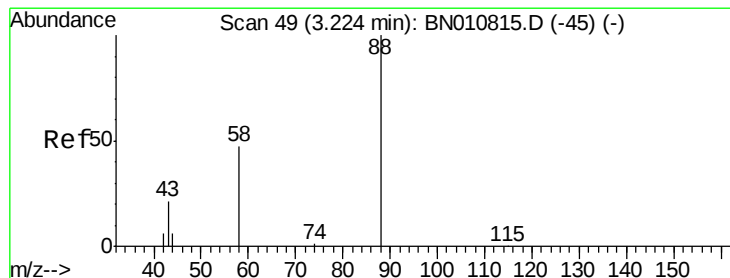
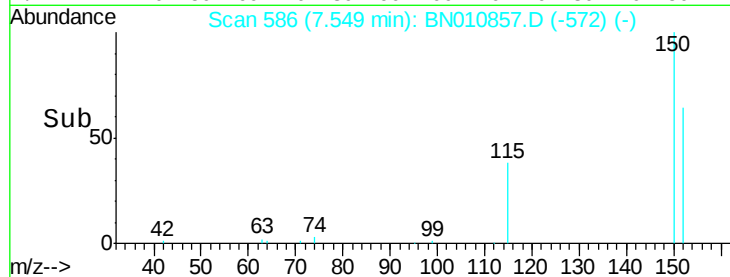
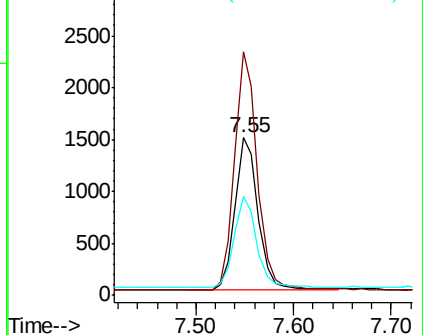
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.55 min Scan# 586  
Delta R.T. 0.02 min  
Lab File: BN010857.D  
Acq: 13 Jun 2020 00:18

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20200609

Tot Ion:152 Resp: 2420  
Ion Ratio Lower Upper  
152 100  
150 154.6 123.8 185.6  
115 62.6 49.2 73.8



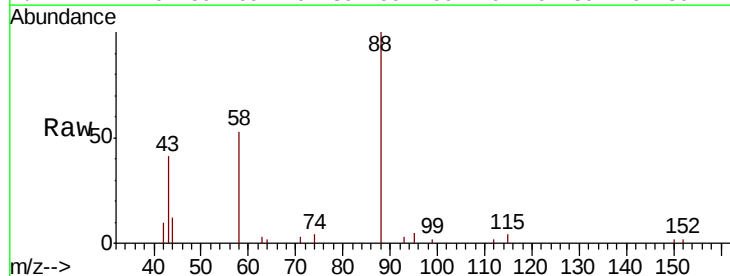
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



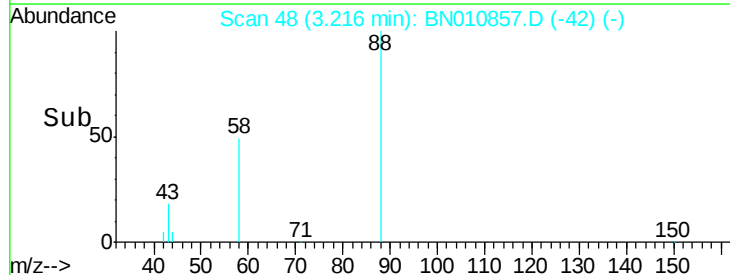
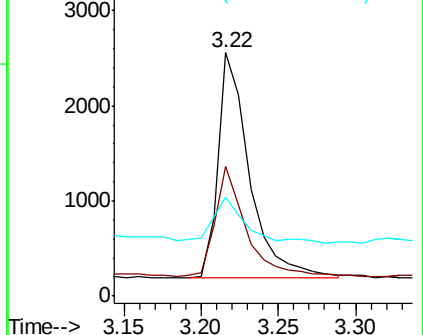
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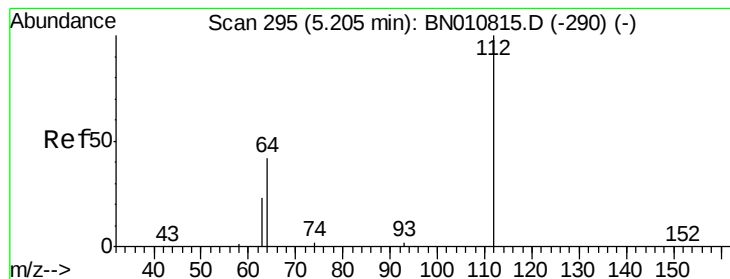
1,4-Dioxane  
Concen: 1.397 ng  
RT: 3.22 min Scan# 48  
Delta R.T. -0.00 min  
Lab File: BN010857.D  
Acq: 13 Jun 2020 00:18

Tgt Ion: 88 Resp: 3312  
Ion Ratio Lower Upper  
88 100  
58 46.3 38.2 57.4  
43 21.8 15.1 22.7



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: 0.144 ng

RT: 5.21 min Scan# 295

Delta R.T. 0.02 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20200609

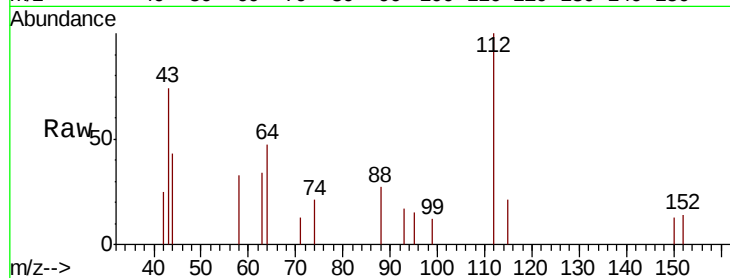
Tot Ion: 112 Resp: 673

Ion Ratio Lower Upper

112 100

64 45.0 37.4 56.0

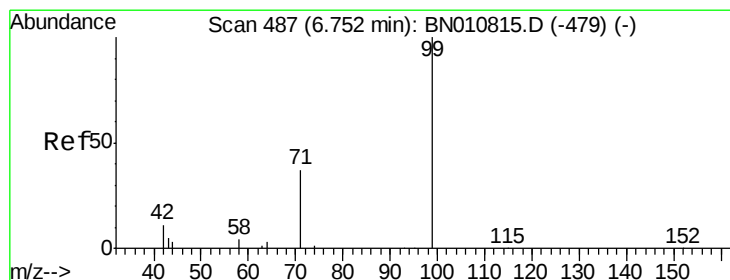
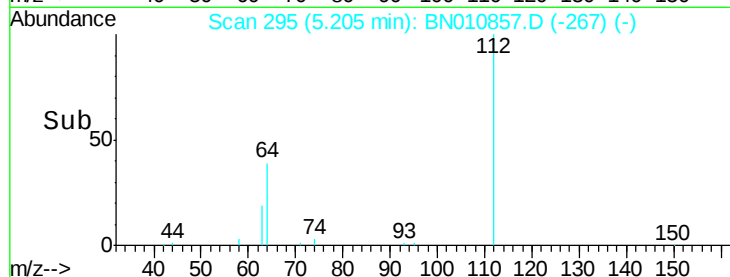
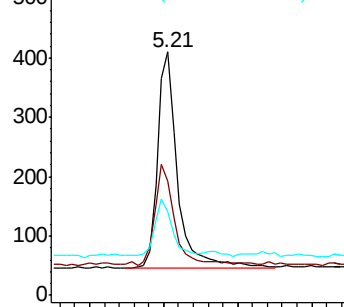
63 24.8 22.2 33.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#5

Phenol-d6

Concen: 0.085 ng

RT: 6.75 min Scan# 487

Delta R.T. 0.02 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

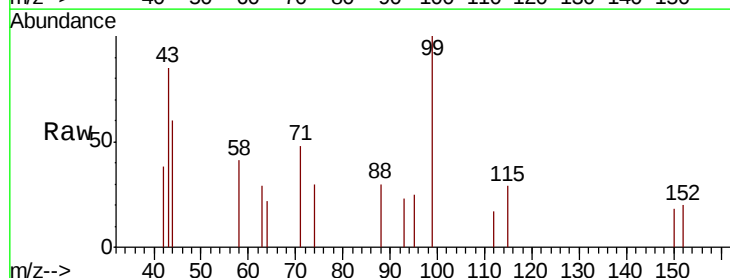
Tgt Ion: 99 Resp: 468

Ion Ratio Lower Upper

99 100

42 28.2 11.1 16.7#

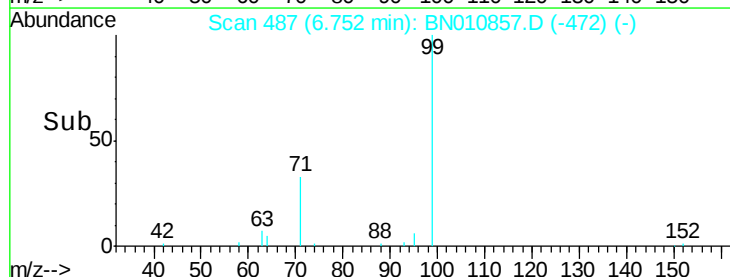
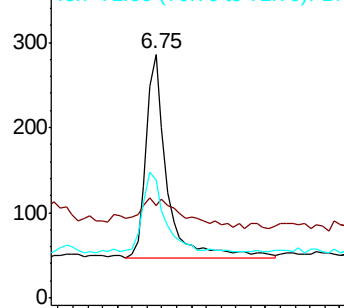
71 41.7 31.4 47.2

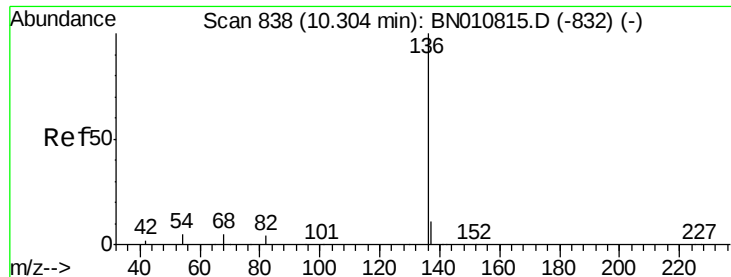


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.03 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20200609

Tot Ion:136 Resp: 8610

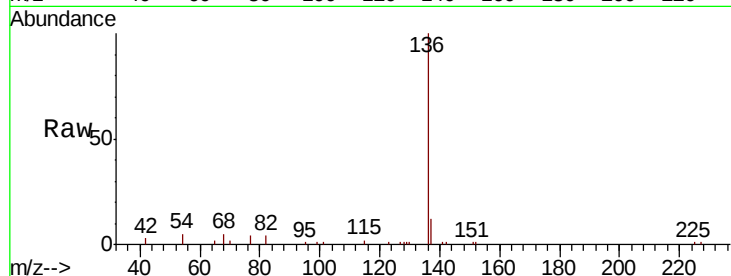
Ion Ratio Lower Upper

136 100

137 12.1 9.7 14.5

54 4.5 4.9 7.3#

68 5.3 4.7 7.1

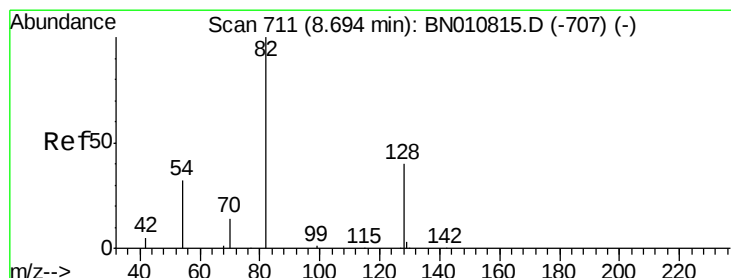
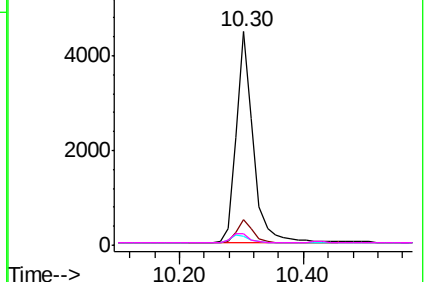
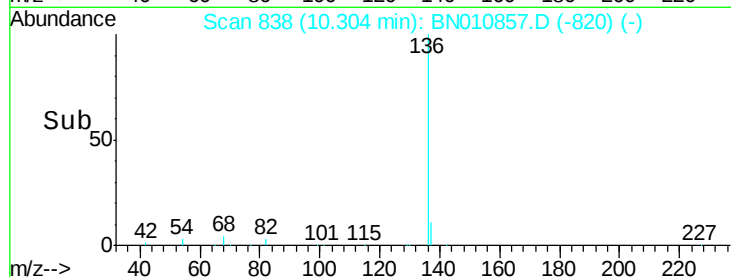


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.316 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.03 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

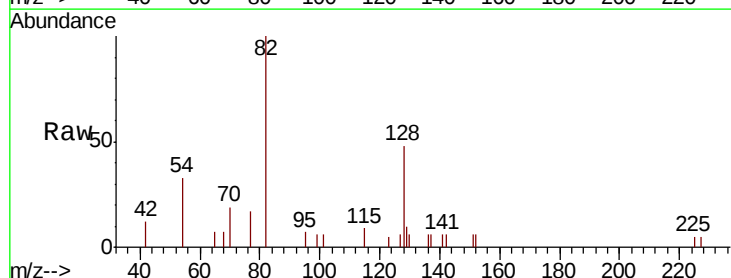
Tgt Ion: 82 Resp: 2015

Ion Ratio Lower Upper

82 100

128 48.3 35.4 53.0

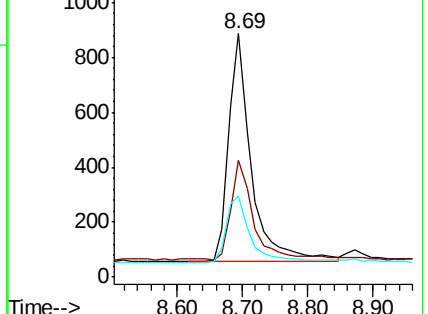
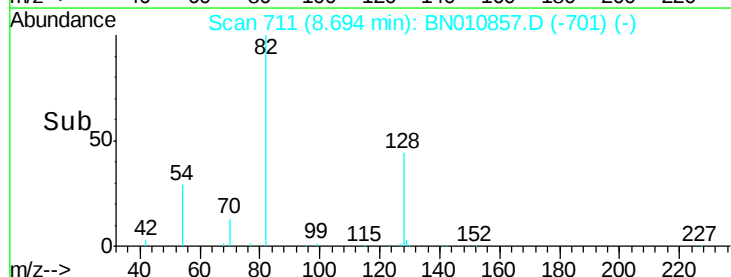
54 33.4 28.2 42.4

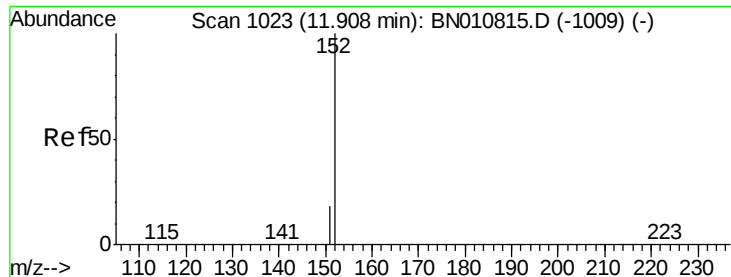


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

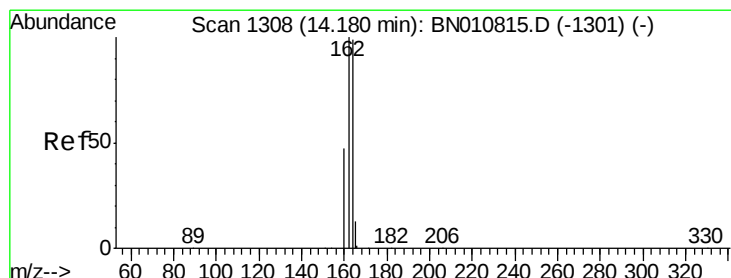
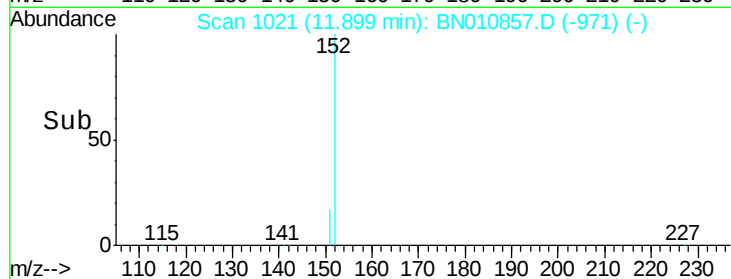
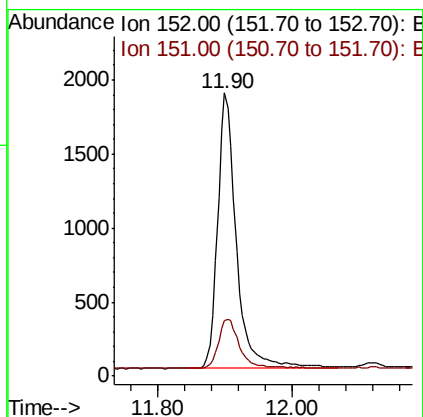
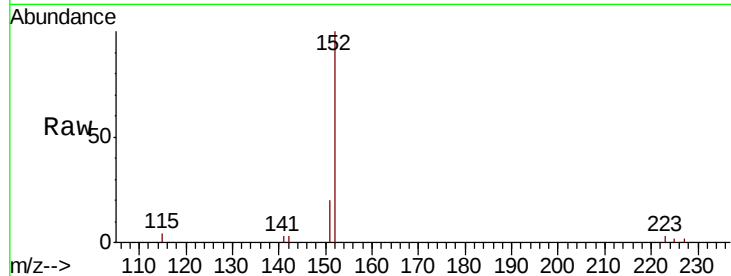




#11  
2-Methylnaphthalene-d10  
Concen: 0.272 ng  
RT: 11.90 min Scan# 1021  
Delta R.T. 0.02 min  
Lab File: BN010857.D  
Acq: 13 Jun 2020 00:18

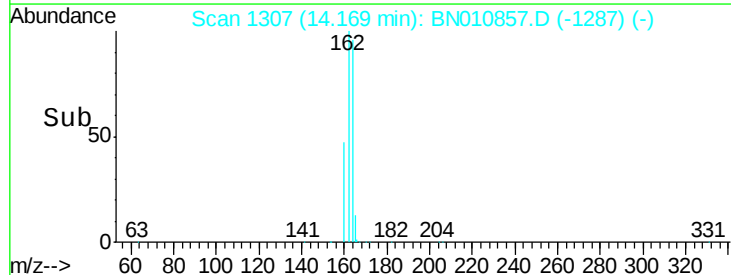
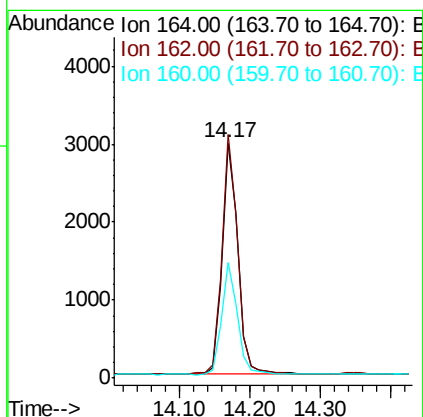
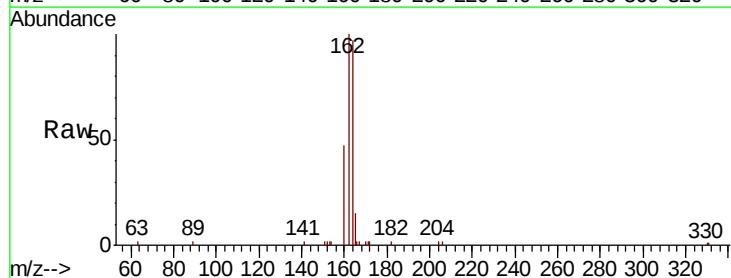
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20200609

Tot Ion:152 Resp: 3632  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.3 22.9



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.17 min Scan# 1307  
Delta R.T. 0.02 min  
Lab File: BN010857.D  
Acq: 13 Jun 2020 00:18

Tgt Ion:164 Resp: 4693  
Ion Ratio Lower Upper  
164 100  
162 103.6 81.0 121.6  
160 49.0 38.9 58.3

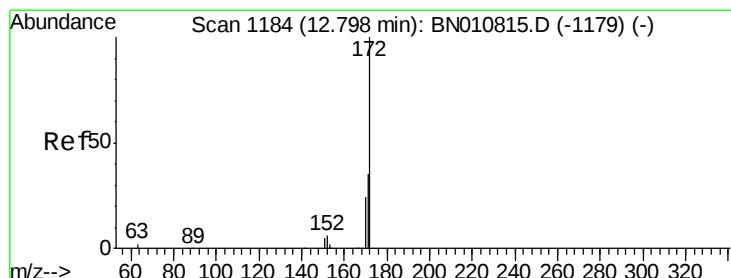
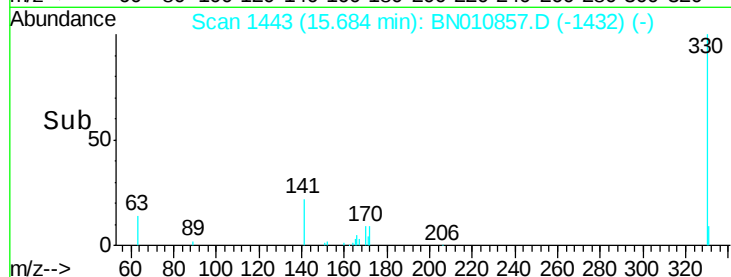
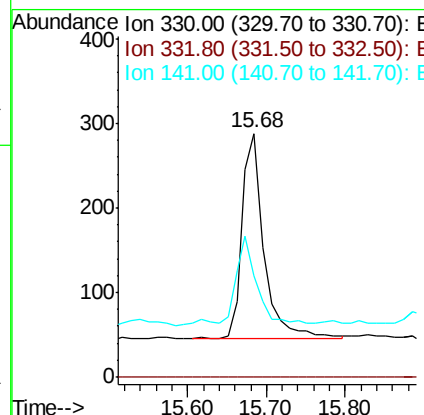
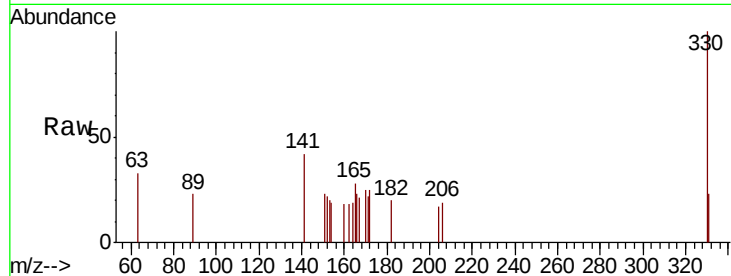




#14  
 2,4,6-Tribromophenol  
 Concen: 0.279 ng  
 RT: 15.68 min Scan# 1443  
 Delta R.T. 0.02 min  
 Lab File: BN010857.D  
 Acq: 13 Jun 2020 00:18

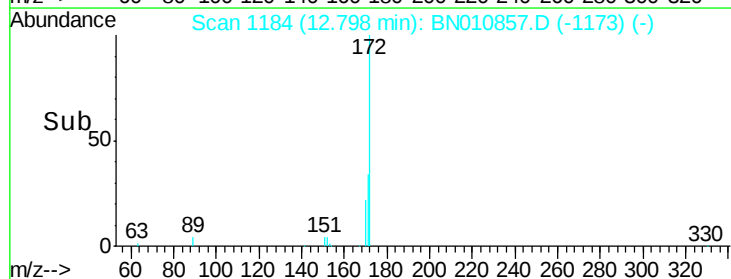
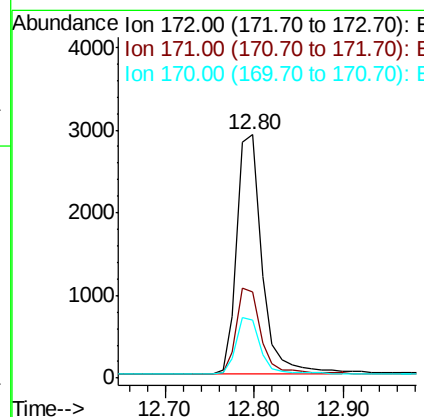
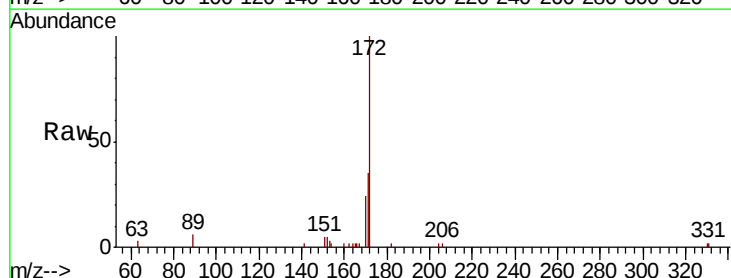
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D4-20200609

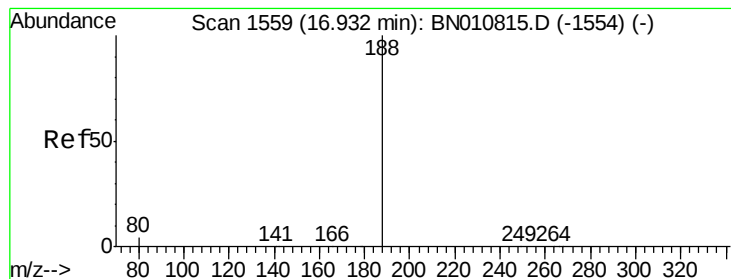
Tot Ion:330 Resp: 468  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 39.3 33.2 49.8



#15  
 2-Fluorobiphenyl  
 Concen: 0.311 ng  
 RT: 12.80 min Scan# 1184  
 Delta R.T. 0.02 min  
 Lab File: BN010857.D  
 Acq: 13 Jun 2020 00:18

Tgt Ion:172 Resp: 5766  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.5 42.7  
 170 23.6 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20200609

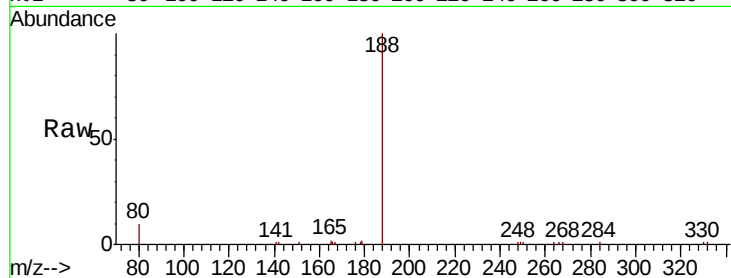
Tot Ion:188 Resp: 9809

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

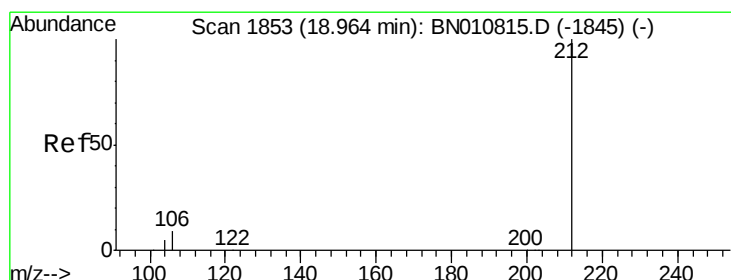
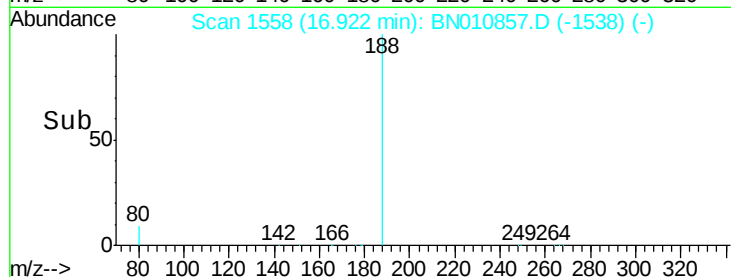
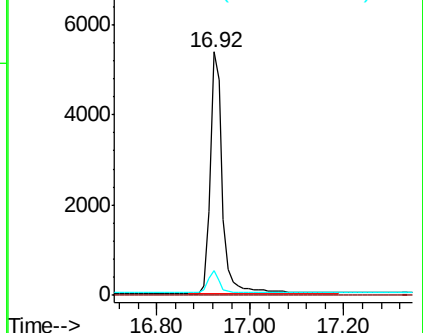
80 10.3 4.5 6.7#



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: 0.357 ng

RT: 18.96 min Scan# 1853

Delta R.T. 0.02 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

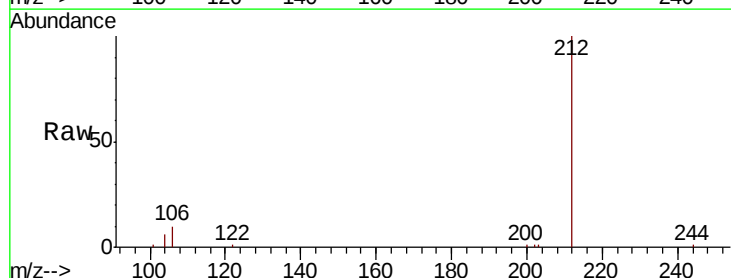
Tgt Ion:212 Resp: 9673

Ion Ratio Lower Upper

212 100

106 9.8 6.6 10.0

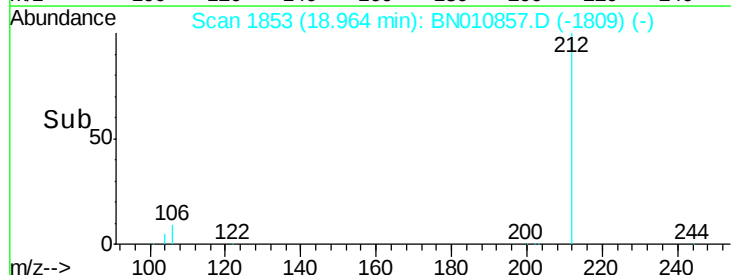
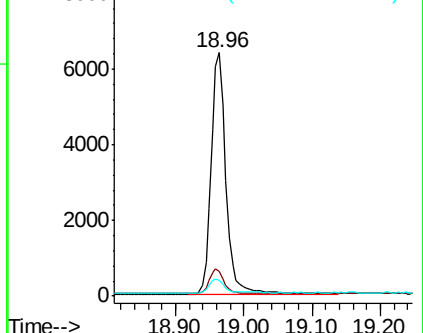
104 5.7 4.0 6.0



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

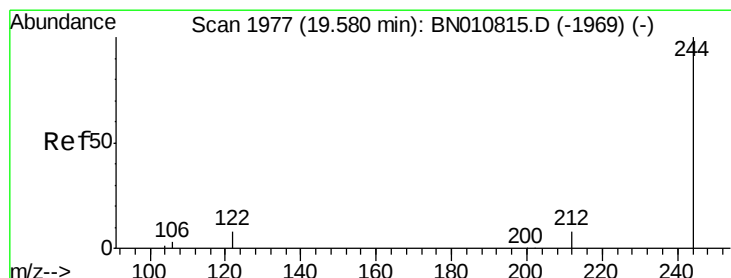
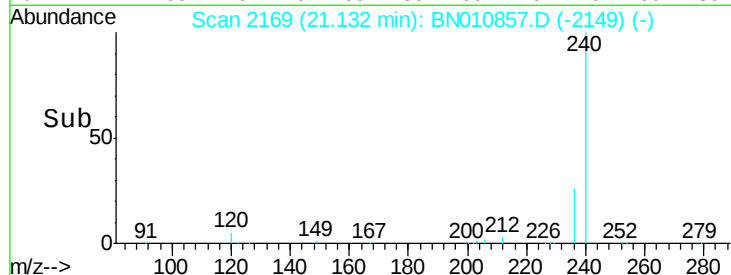
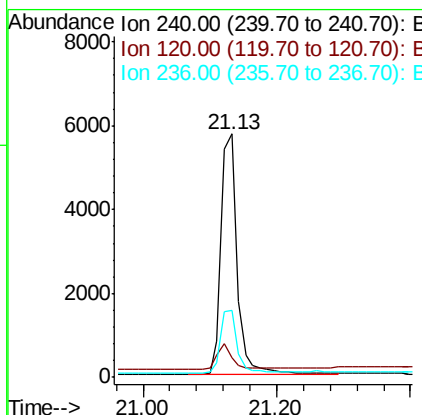
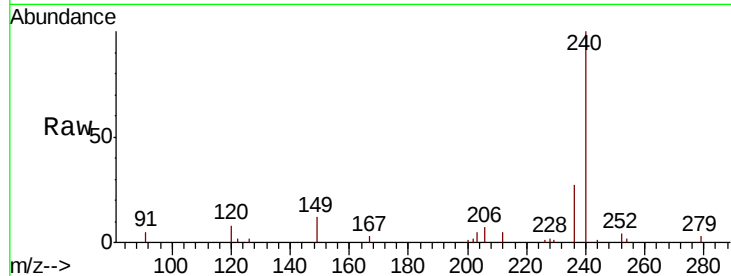




#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.13 min Scan# 2169  
Delta R.T. 0.01 min  
Lab File: BN010857.D  
Acq: 13 Jun 2020 00:18

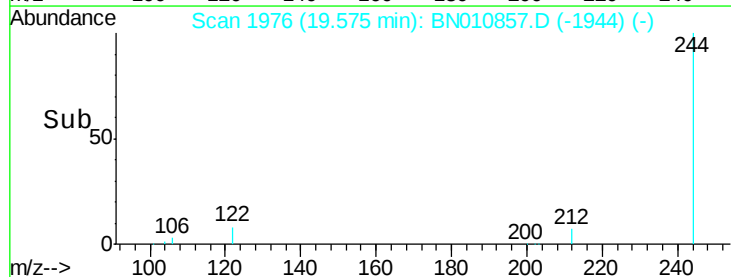
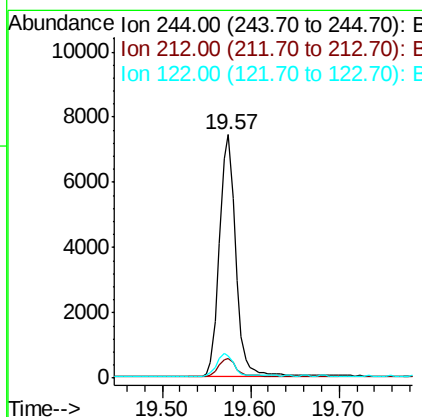
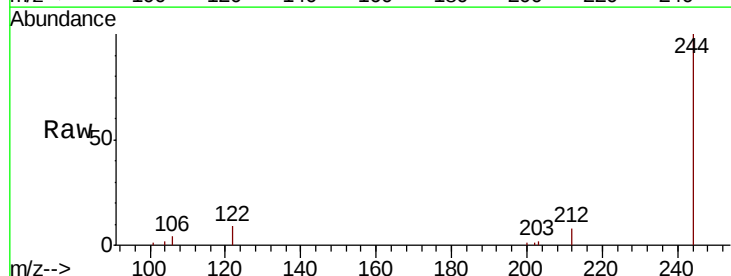
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20200609

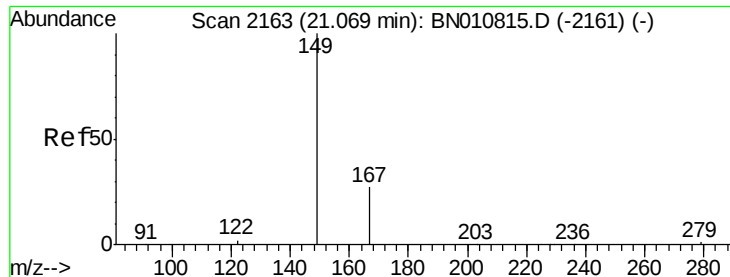
Tot Ion:240 Resp: 9608  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.5 11.3  
236 27.4 22.3 33.5



#29  
Terphenyl-d14  
Concen: 0.423 ng  
RT: 19.57 min Scan# 1976  
Delta R.T. 0.01 min  
Lab File: BN010857.D  
Acq: 13 Jun 2020 00:18

Tgt Ion:244 Resp: 9507  
Ion Ratio Lower Upper  
244 100  
212 8.1 7.4 11.2  
122 9.1 7.5 11.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.149 ng

RT: 21.07 min Scan# 2163

Delta R.T. 0.01 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20200609

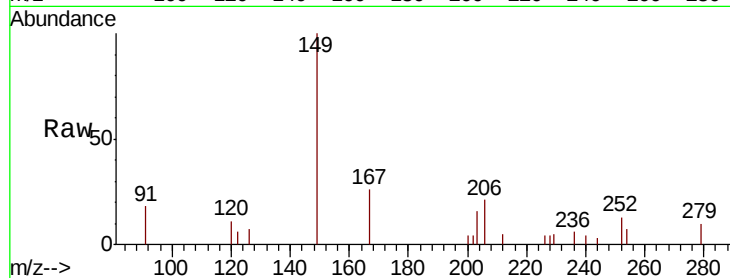
Tot Ion:149 Resp: 1399

Ion Ratio Lower Upper

149 100

167 25.9 24.1 36.1

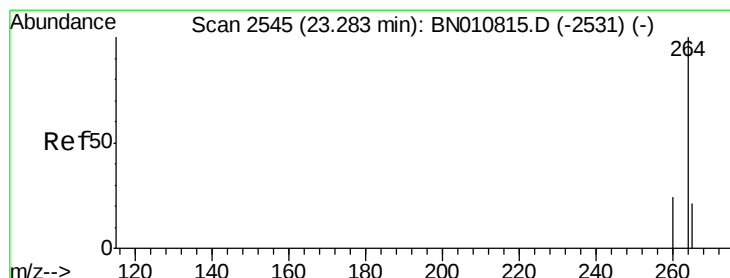
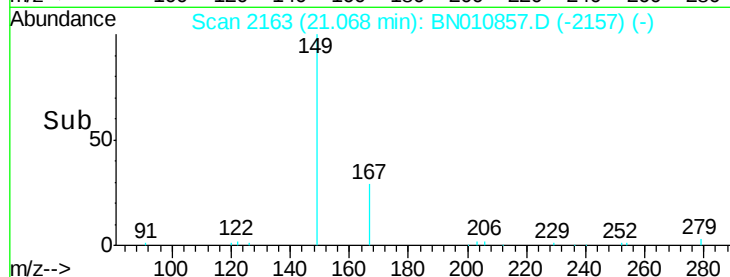
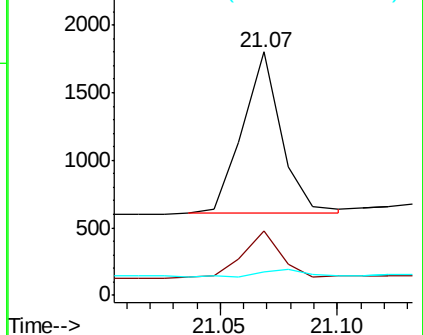
279 5.4 4.6 7.0



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: 23.28 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BN010857.D

Acq: 13 Jun 2020 00:18

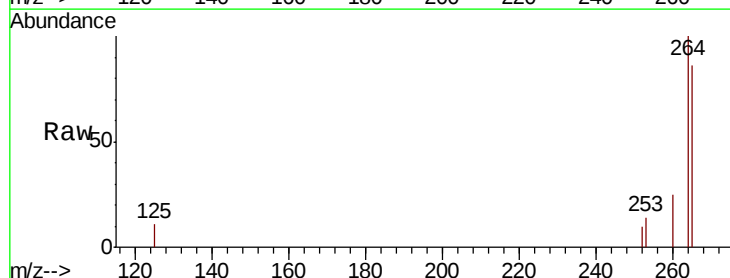
Tgt Ion:264 Resp: 10334

Ion Ratio Lower Upper

264 100

260 24.7 20.4 30.6

265 85.8 75.0 112.4



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

