

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031120\  
 Data File : BN010195.D  
 Acq On : 11 Mar 2020 16:59  
 Operator : CG/JU  
 Sample : L1842-19  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D1-20200305

Quant Time: Mar 12 07:15:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 11 17:37:44 2020  
 Response via : Initial Calibration

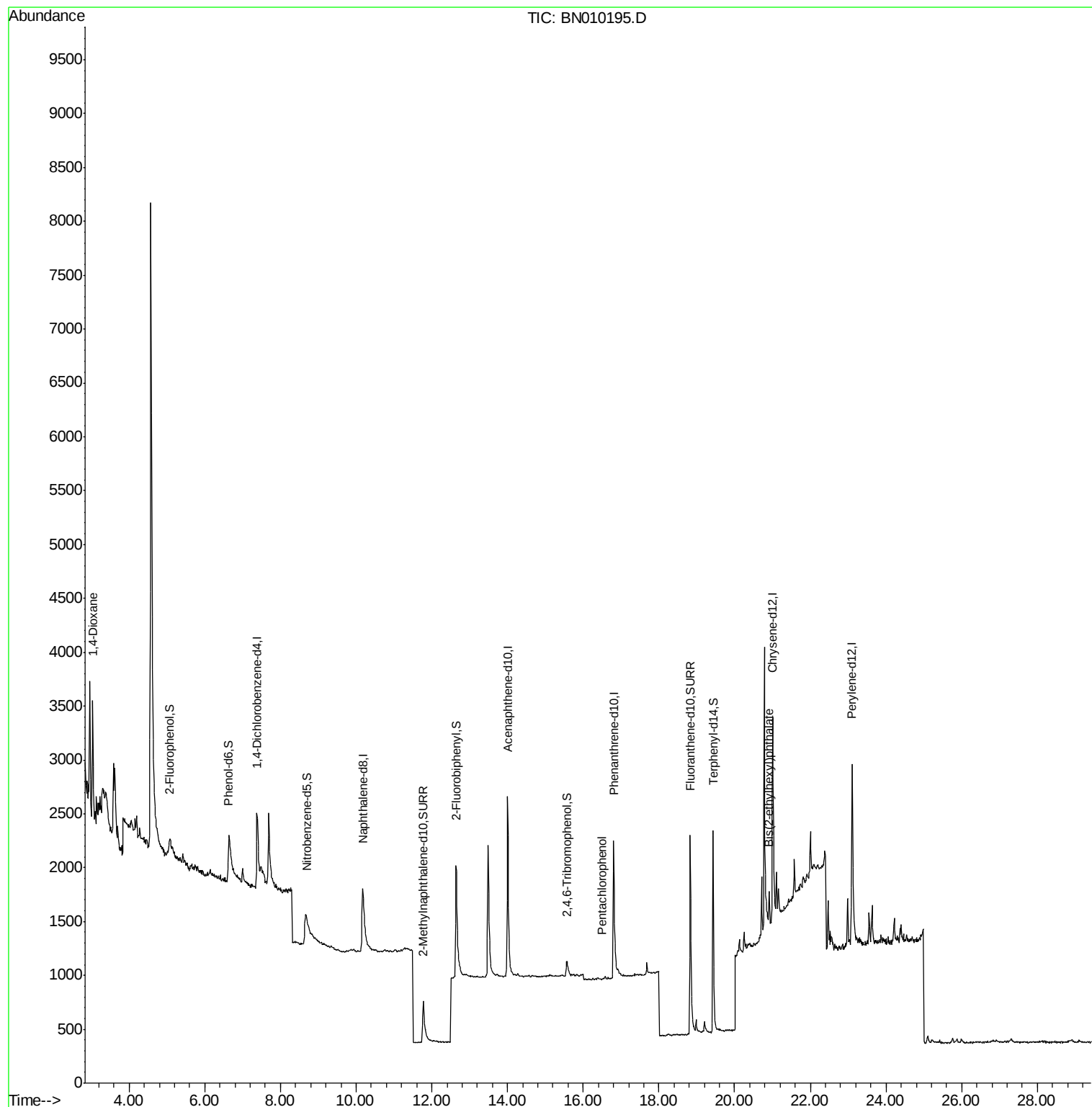
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 897      | 0.40  | ng    | 0.02     |
| 7) Naphthalene-d8              | 10.18 | 136  | 2026     | 0.40  | ng    | 0.06     |
| 13) Acenaphthene-d10           | 14.00 | 164  | 1429     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.80 | 188  | 2884     | 0.40  | ng    | 0.03     |
| 27) Chrysene-d12               | 21.00 | 240  | 2994     | 0.40  | ng    | 0.01     |
| 34) Perylene-d12               | 23.10 | 264  | 3198     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.08  | 112  | 372      | 0.19  | ng    | 0.04     |
| 5) Phenol-d6                   | 6.61  | 99   | 313      | 0.13  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.69  | 82   | 645      | 0.38  | ng    | 0.14     |
| 11) 2-Methylnaphthalene-d10    | 11.77 | 152  | 1249     | 0.32  | ng    | 0.04     |
| 14) 2,4,6-Tribromophenol       | 15.57 | 330  | 194      | 0.35  | ng    | 0.03     |
| 15) 2-Fluorobiphenyl           | 12.64 | 172  | 1791     | 0.33  | ng    | 0.01     |
| 25) Fluoranthene-d10           | 18.83 | 212  | 3390     | 0.34  | ng    | 0.01     |
| 29) Terphenyl-d14              | 19.43 | 244  | 2946     | 0.41  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.04  | 88   | 527      | 0.574 | ng    | # 81     |
| 22) Pentachlorophenol          | 16.49 | 266  | 8        | 0.192 | ng    | # 80     |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 331      | 0.068 | ng    | # 90     |

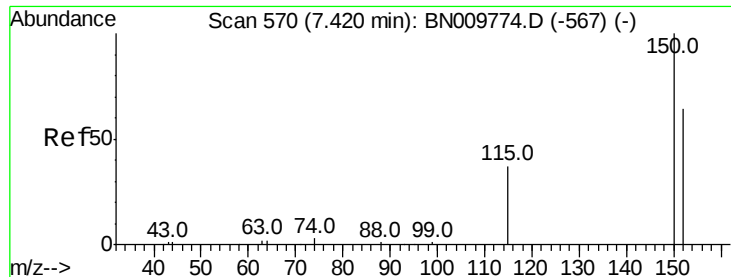
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031120\  
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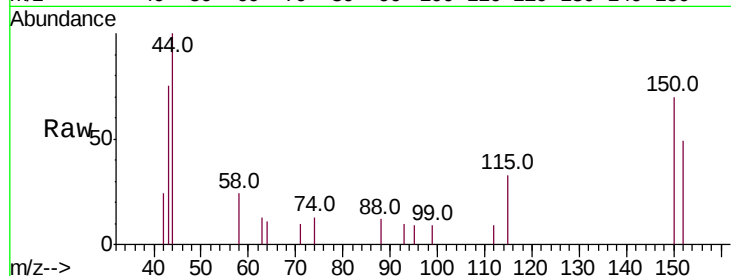


#1

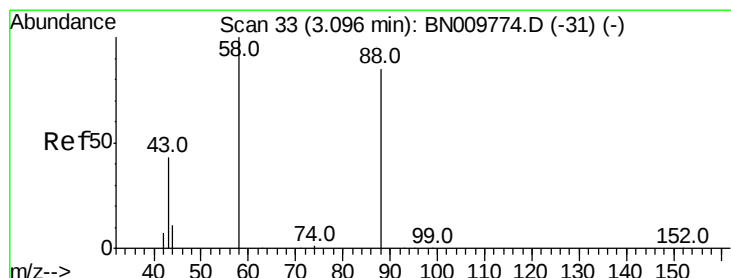
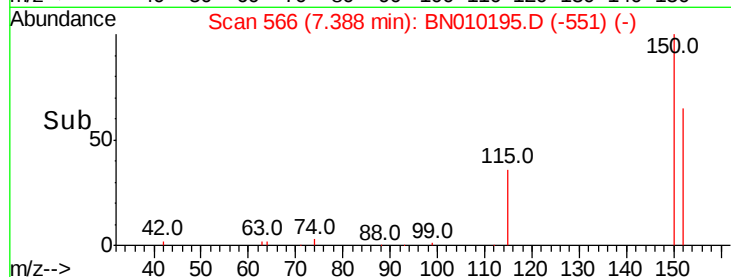
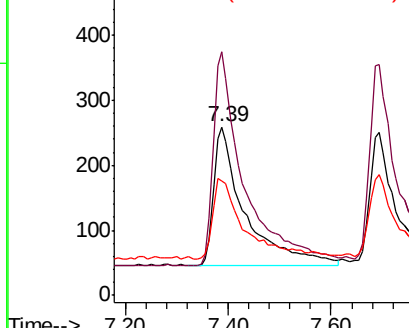
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 566  
Delta R.T. 0.02 min  
Lab File: BN010195.D  
Acq: 11 Mar 2020 16:59

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D1-20200305

Tot Ion:152 Resp: 897  
Ion Ratio Lower Upper  
152 100  
150 144.4 120.6 181.0  
115 68.0 51.2 76.8



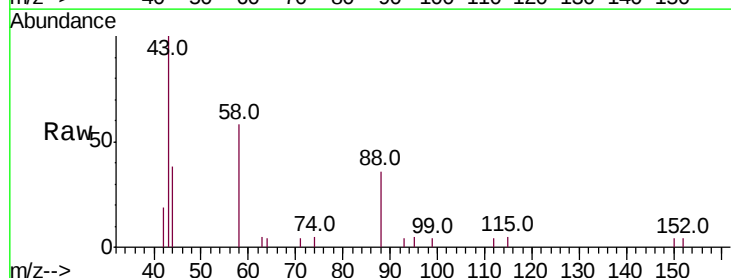
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



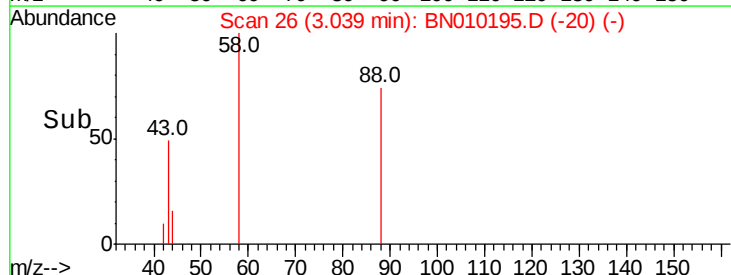
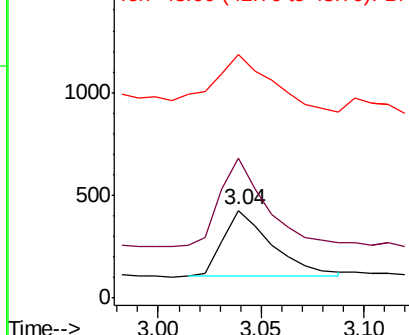
#2

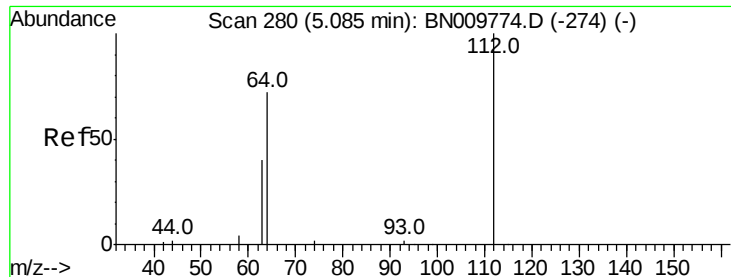
1,4-Dioxane  
Concen: 0.574 ng  
RT: 3.04 min Scan# 26  
Delta R.T. 0.00 min  
Lab File: BN010195.D  
Acq: 11 Mar 2020 16:59

Tgt Ion: 88 Resp: 527  
Ion Ratio Lower Upper  
88 100  
58 119.4 97.8 146.8  
43 96.8 45.1 67.7#



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: 0.187 ng

RT: 5.08 min Scan# 279

Delta R.T. 0.04 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

RE134D1-20200305

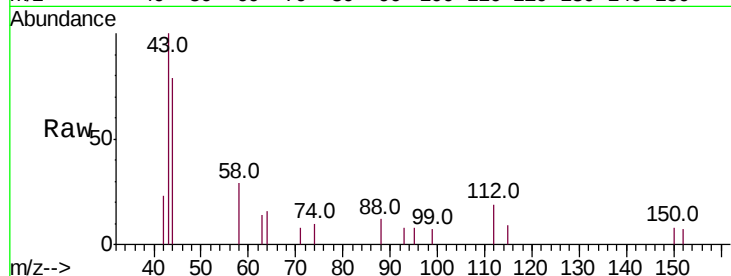
Tot Ion:112 Resp: 372

Ion Ratio Lower Upper

112 100

64 82.3 65.8 98.6

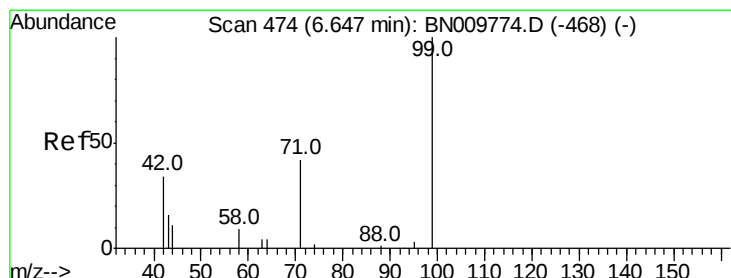
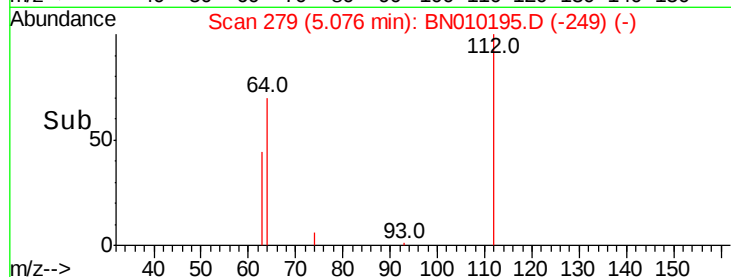
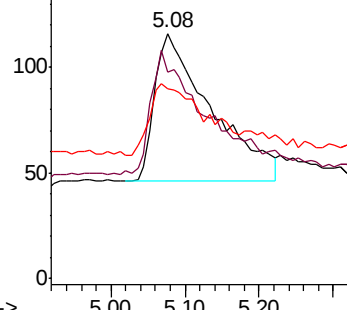
63 48.7 38.7 58.1



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: 0.129 ng

RT: 6.61 min Scan# 470

Delta R.T. 0.01 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

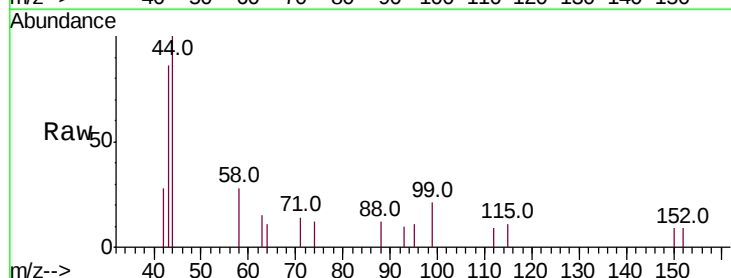
Tgt Ion: 99 Resp: 313

Ion Ratio Lower Upper

99 100

42 48.2 30.8 46.2#

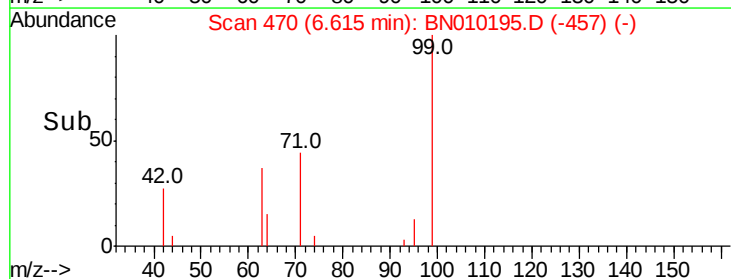
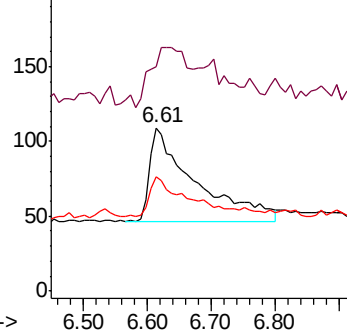
71 34.5 34.9 52.3#

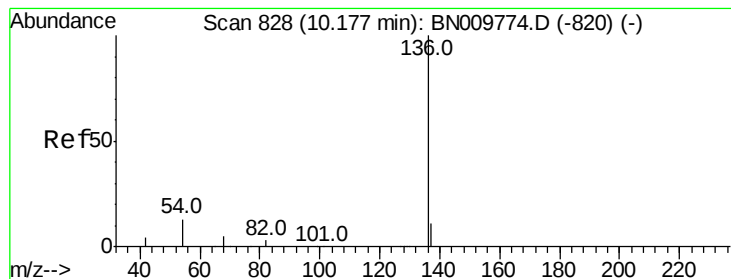


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.18 min Scan# 828

Delta R.T. 0.06 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

RE134D1-20200305

Tot Ion:136 Resp: 2026

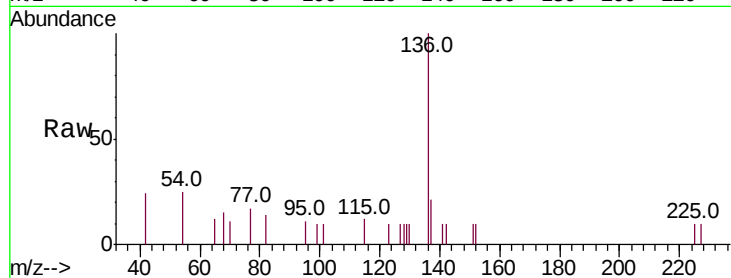
Ion Ratio Lower Upper

136 100

137 20.6 11.3 16.9#

54 24.7 13.4 20.2#

68 14.8 7.0 10.4#

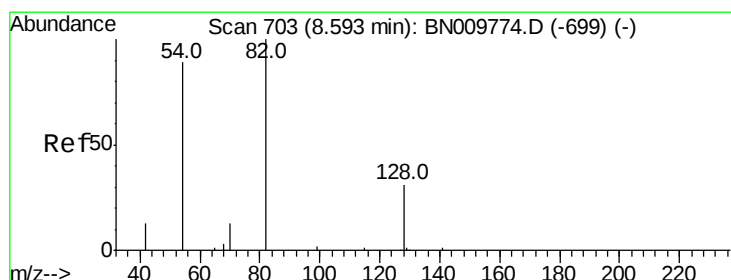
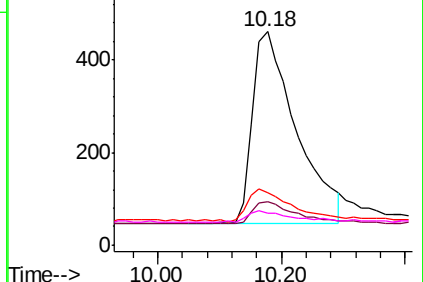
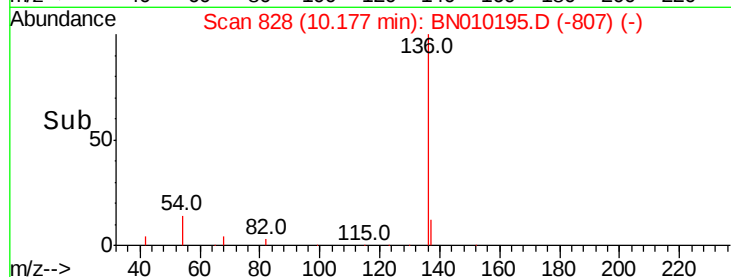


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.383 ng

RT: 8.69 min Scan# 711

Delta R.T. 0.14 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

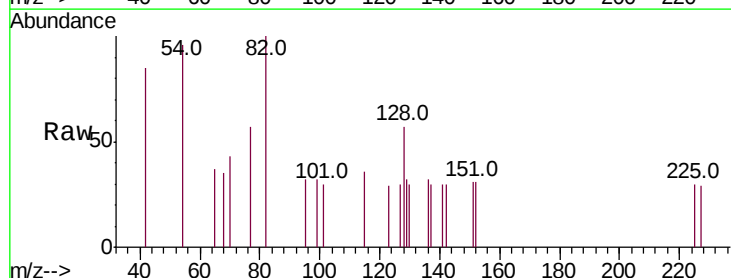
Tgt Ion: 82 Resp: 645

Ion Ratio Lower Upper

82 100

128 56.8 32.5 48.7#

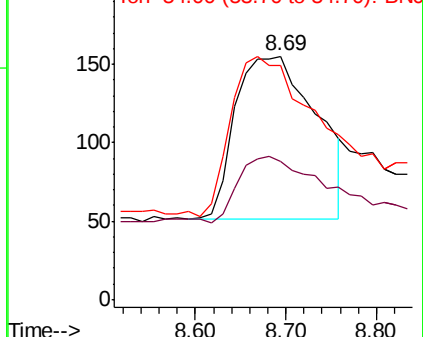
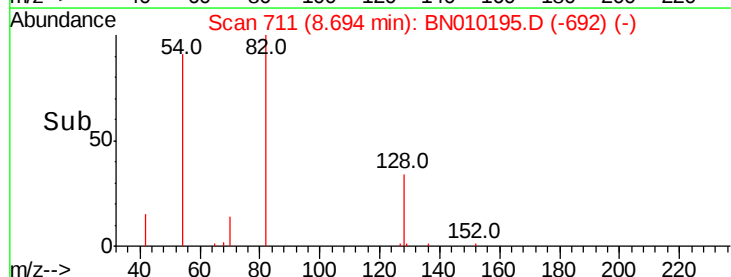
54 96.1 73.5 110.3

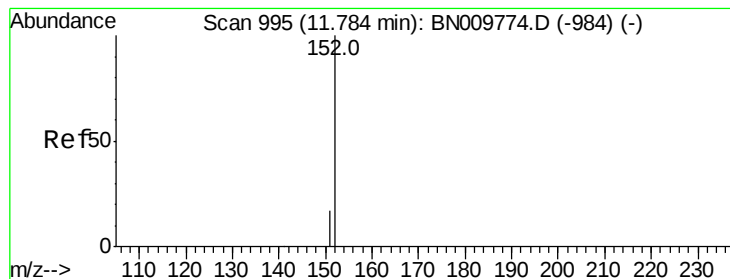


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.319 ng

RT: 11.77 min Scan# 993

Delta R.T. 0.04 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

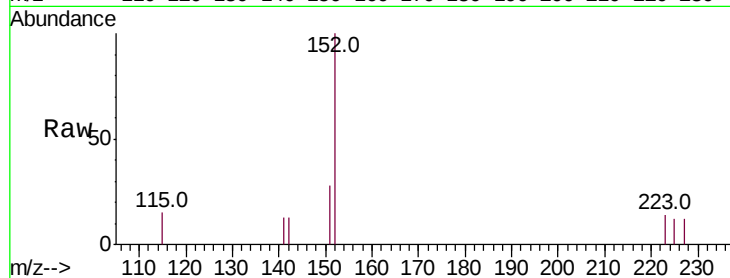
RE134D1-20200305

Tot Ion:152 Resp: 1249

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

400

300

200

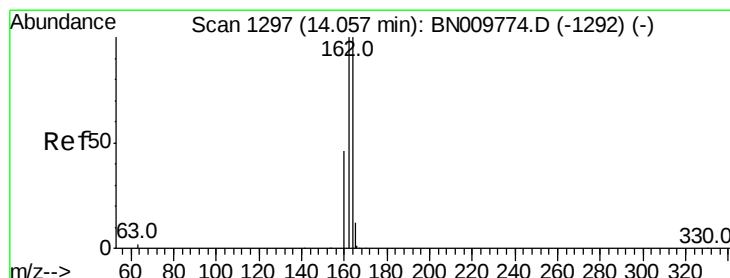
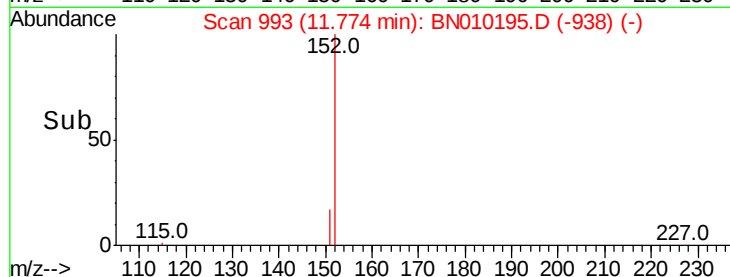
100

0

11.80

12.00

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

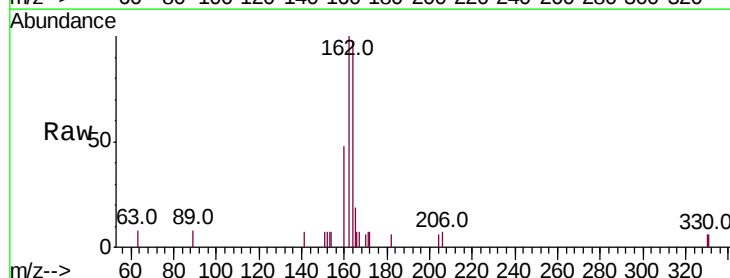
Tgt Ion:164 Resp: 1429

Ion Ratio Lower Upper

164 100

162 102.8 79.9 119.9

160 49.3 38.2 57.2



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

14.00

800

600

400

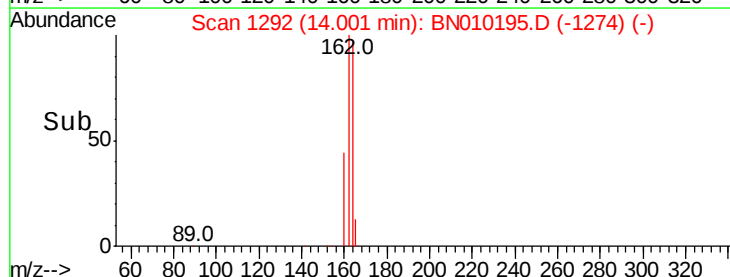
200

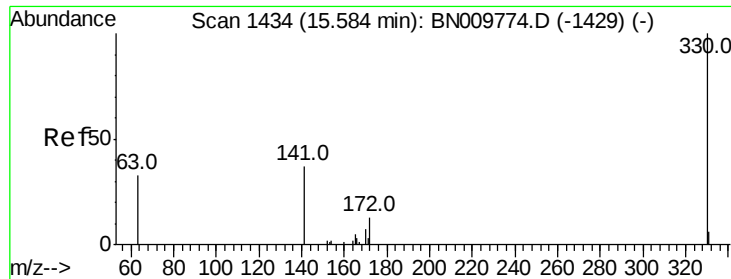
0

14.00

14.20

Time-->

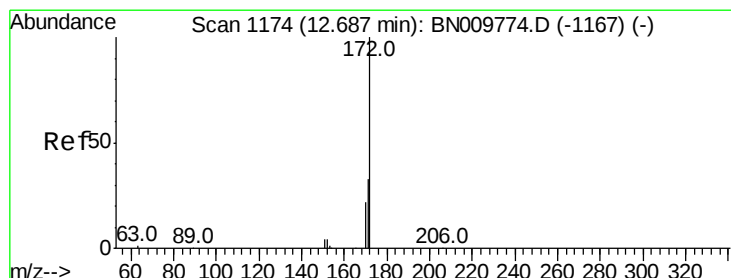
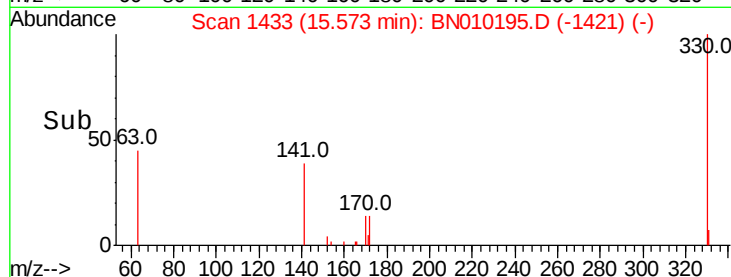
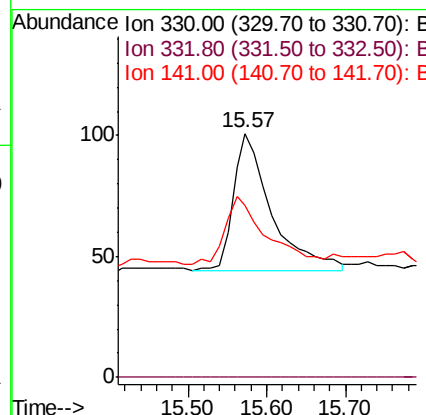
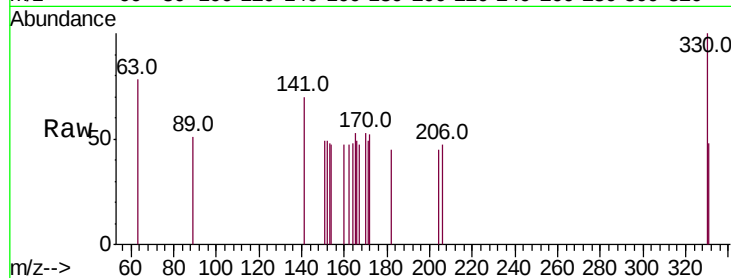




#14  
 2,4,6-Tribromophenol  
 Concen: 0.352 ng  
 RT: 15.57 min Scan# 1433  
 Delta R.T. 0.03 min  
 Lab File: BN010195.D  
 Acq: 11 Mar 2020 16:59

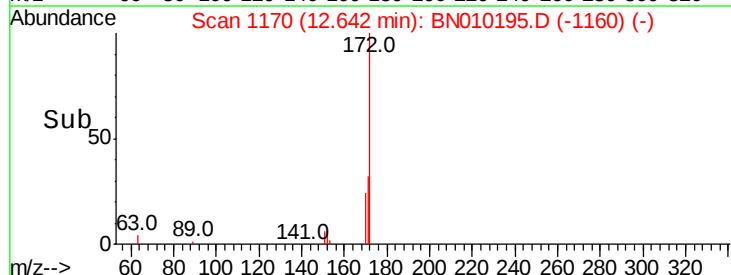
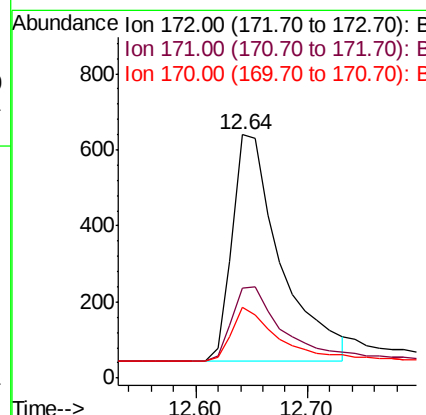
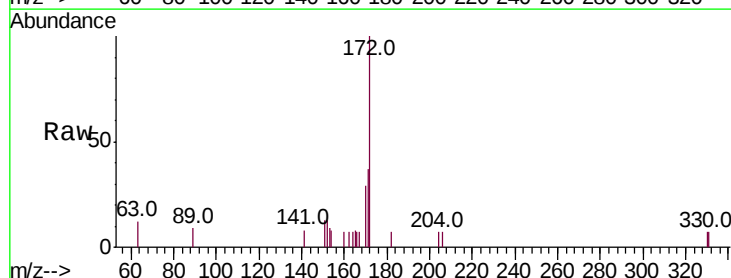
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D1-20200305

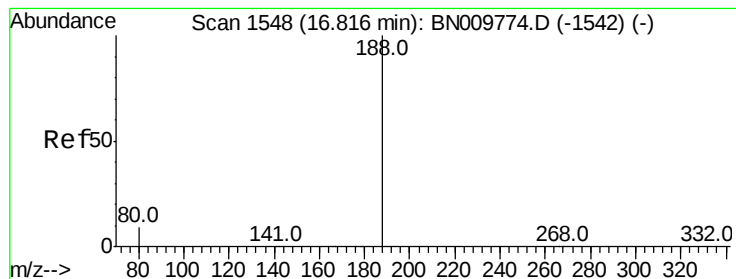
Tot Ion:330 Resp: 194  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 51.5 36.8 55.2



#15  
 2-Fluorobiphenyl  
 Concen: 0.332 ng  
 RT: 12.64 min Scan# 1170  
 Delta R.T. 0.01 min  
 Lab File: BN010195.D  
 Acq: 11 Mar 2020 16:59

Tgt Ion:172 Resp: 1791  
 Ion Ratio Lower Upper  
 172 100  
 171 37.0 28.7 43.1  
 170 29.1 20.1 30.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. 0.03 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

RE134D1-20200305

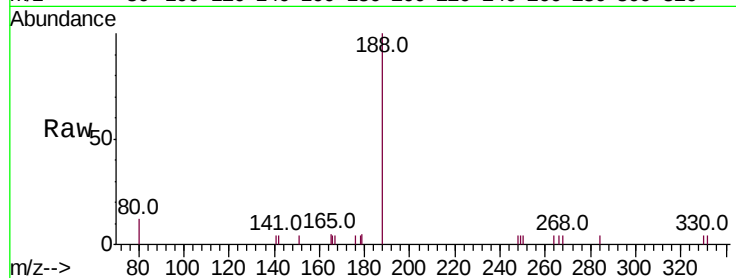
Tot Ion:188 Resp: 2884

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

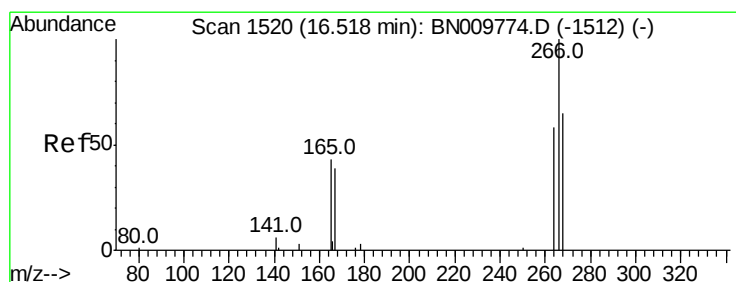
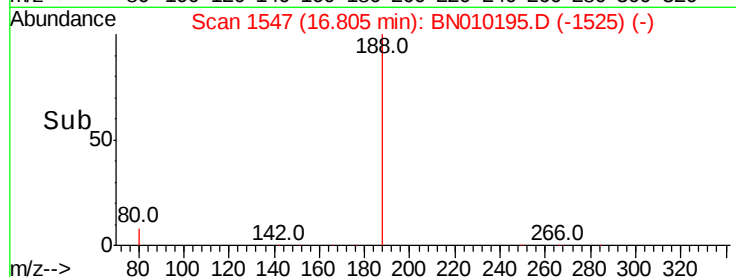
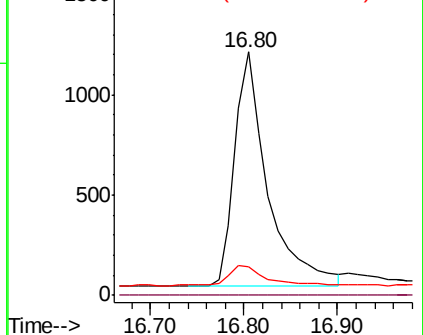
80 11.7 8.3 12.5



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



#22

Pentachlorophenol

Concen: 0.192 ng

RT: 16.49 min Scan# 1517

Delta R.T. 0.02 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

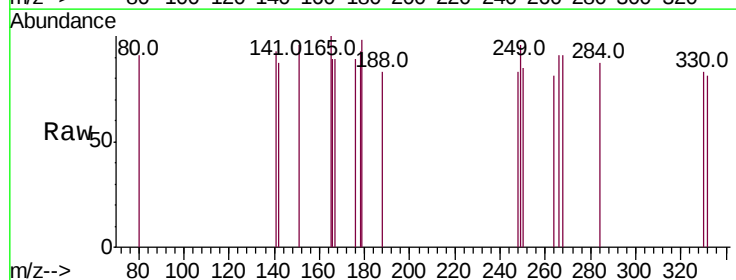
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 89.8 58.1 87.1#

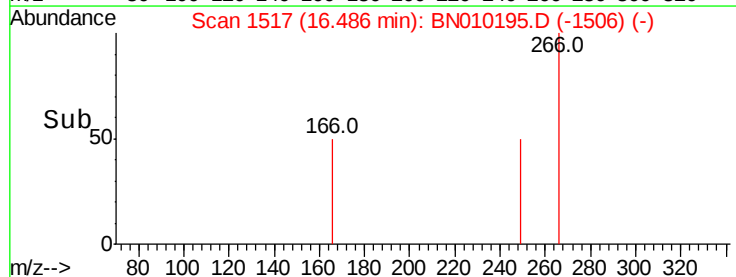
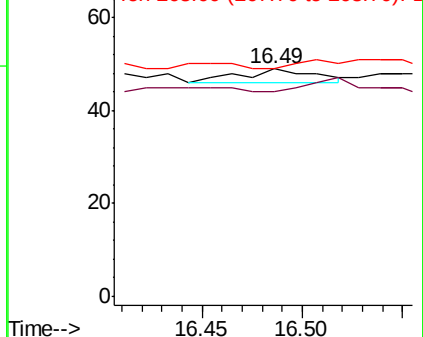
268 100.0 65.7 98.5#

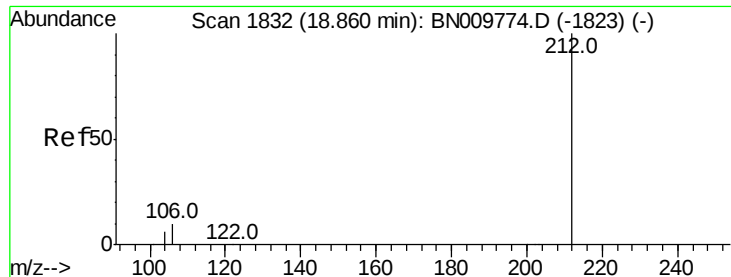


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.340 ng

RT: 18.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

RE134D1-20200305

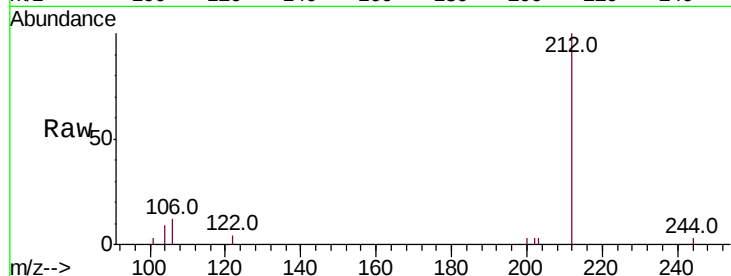
Tot Ion:212 Resp: 3390

Ion Ratio Lower Upper

212 100

106 10.2 8.4 12.6

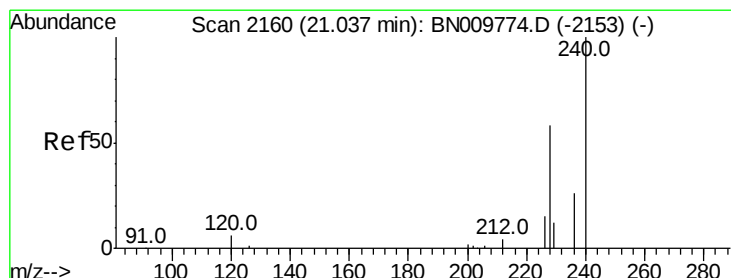
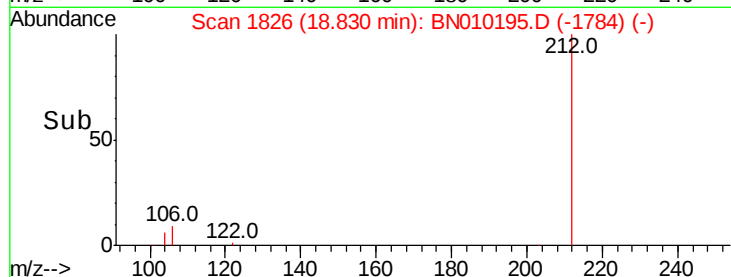
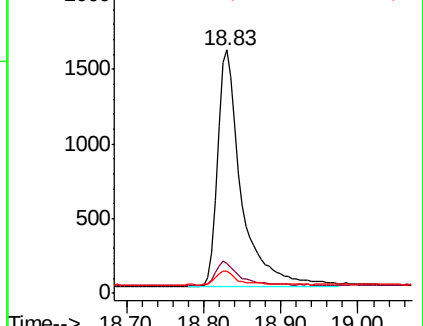
104 5.6 4.8 7.2



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: 21.00 min Scan# 2157

Delta R.T. 0.01 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

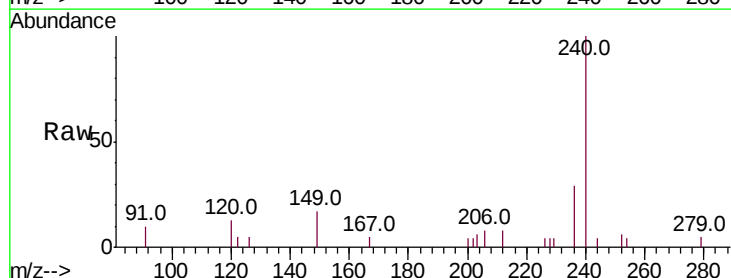
Tgt Ion:240 Resp: 2994

Ion Ratio Lower Upper

240 100

120 13.0 7.9 11.9#

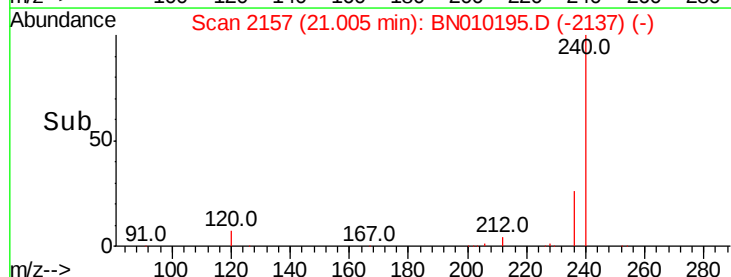
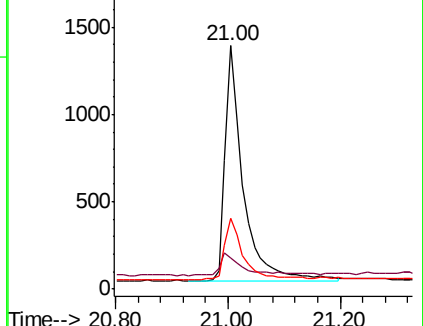
236 29.1 22.0 33.0

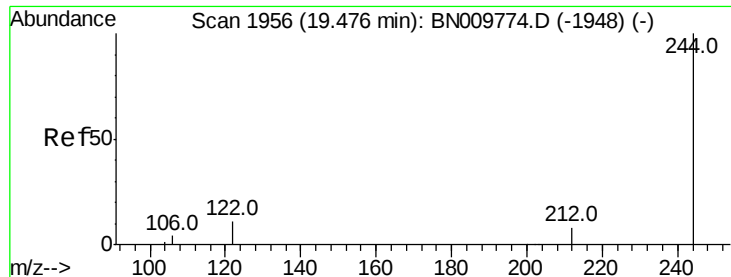


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.412 ng

RT: 19.43 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

RE134D1-20200305

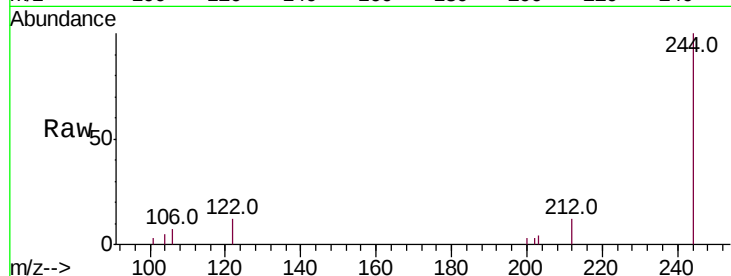
Tot Ion:244 Resp: 2946

Ion Ratio Lower Upper

244 100

212 11.5 8.0 12.0

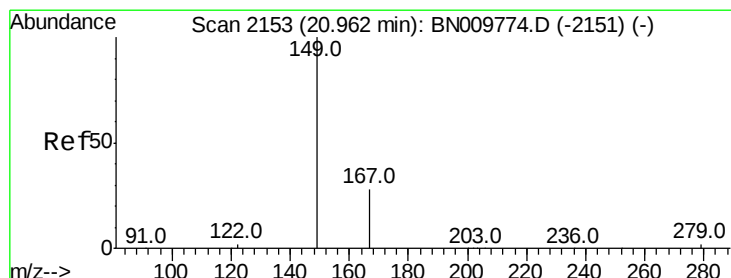
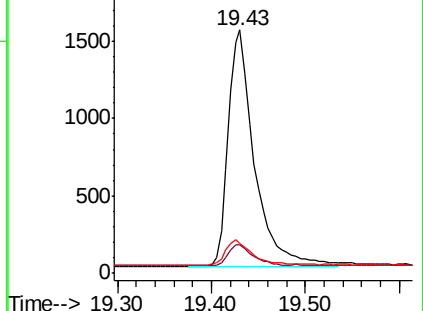
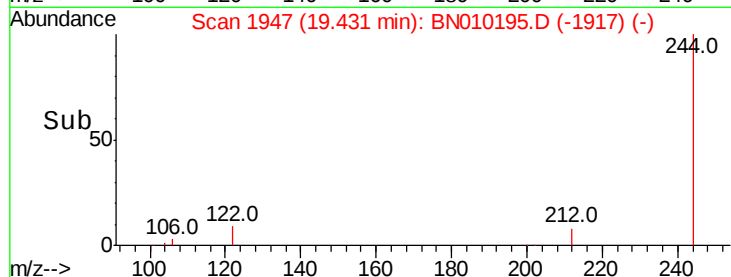
122 12.2 10.0 15.0



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: 0.068 ng

RT: 20.91 min Scan# 2148

Delta R.T. -0.01 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

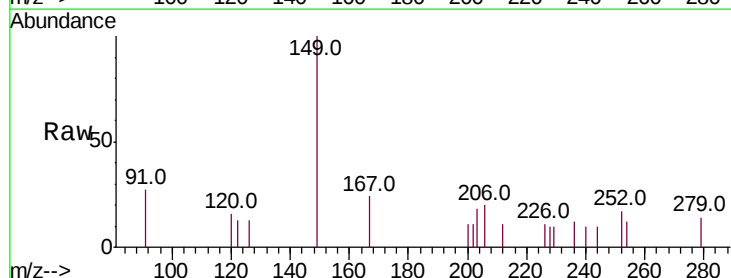
Tgt Ion:149 Resp: 331

Ion Ratio Lower Upper

149 100

167 23.0 22.7 34.1

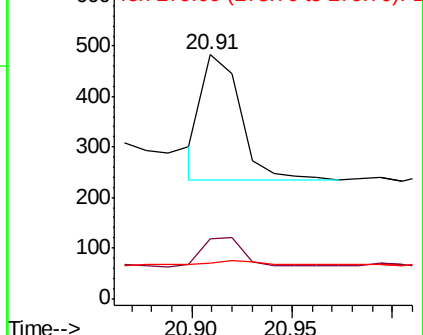
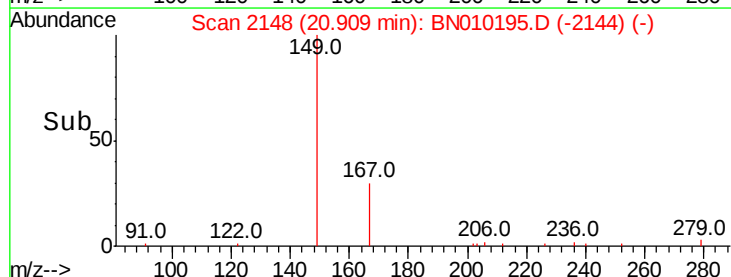
279 2.4 3.1 4.7#

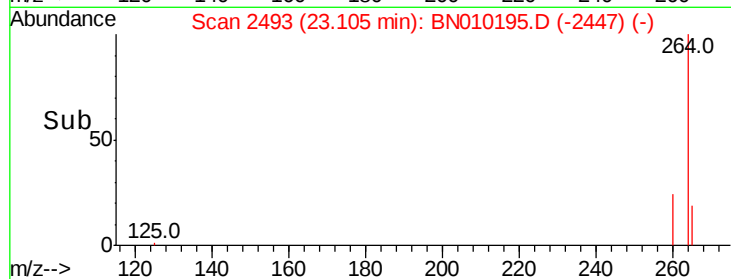
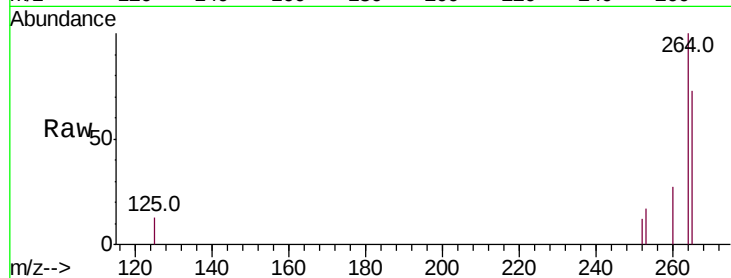
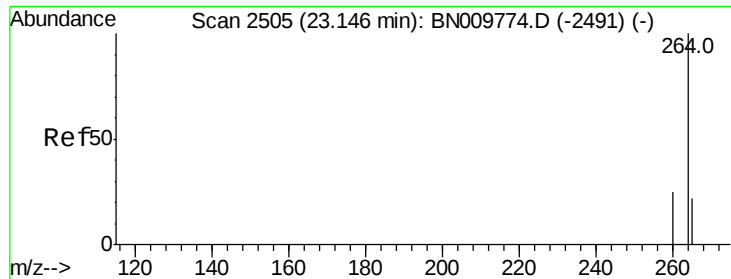


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.10 min Scan# 2493

Delta R.T. 0.01 min

Lab File: BN010195.D

Acq: 11 Mar 2020 16:59

Instrument :

BNA\_N

ClientSampleId :

RE134D1-20200305

Tot Ion:264 Resp: 3198

Ion Ratio Lower Upper

264 100

260 26.6 21.1 31.7

265 73.3 57.5 86.3

