

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083019\  
 Data File : BN007524.D  
 Acq On : 30 Aug 2019 15:26  
 Operator : HP/JU  
 Sample : K4553-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 31 01:59:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 12:18:45 2019  
 Response via : Initial Calibration

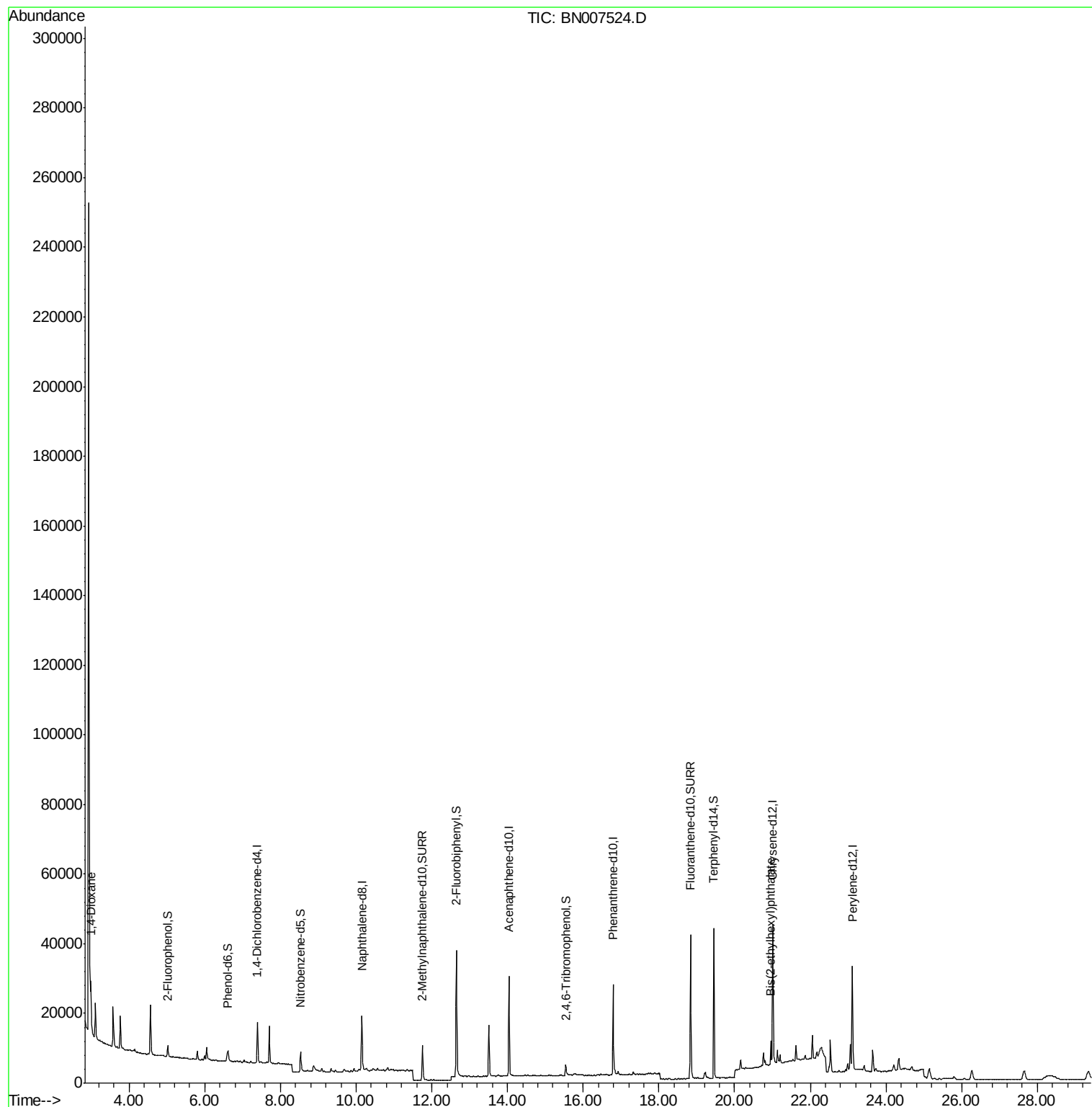
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 6131     | 0.40  | ng    | -0.02       |
| 7) Naphthalene-d8              | 10.15 | 136  | 25697    | 0.40  | ng    | -0.01       |
| 13) Acenaphthene-d10           | 14.04 | 164  | 16555    | 0.40  | ng    | -0.02       |
| 19) Phenanthrene-d10           | 16.79 | 188  | 39910    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.00 | 240  | 39208    | 0.40  | ng    | -0.01       |
| 34) Perylene-d12               | 23.11 | 264  | 38048    | 0.40  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.03  | 112  | 3044     | 0.12  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.59  | 99   | 2361     | 0.06  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 6986     | 0.31  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 11.75 | 152  | 16401    | 0.38  | ng    | -0.01       |
| 14) 2,4,6-Tribromophenol       | 15.54 | 330  | 3544     | 0.41  | ng    | -0.02       |
| 15) 2-Fluorobiphenyl           | 12.65 | 172  | 35139    | 0.53  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 18.84 | 212  | 48758    | 0.38  | ng    | -0.01       |
| 29) Terphenyl-d14              | 19.45 | 244  | 43857    | 0.43  | ng    | -0.02       |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 2.99  | 88   | 8951     | 0.879 | ng    | Qvalue # 87 |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 7545     | 0.057 | ng    | 98          |

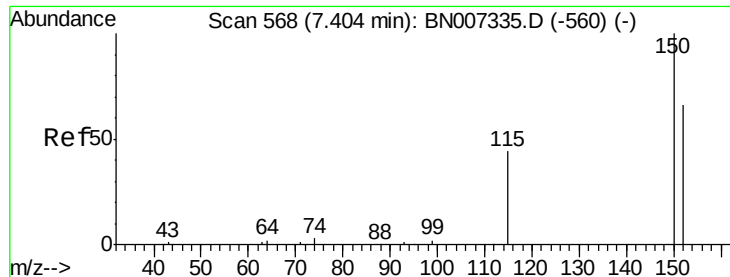
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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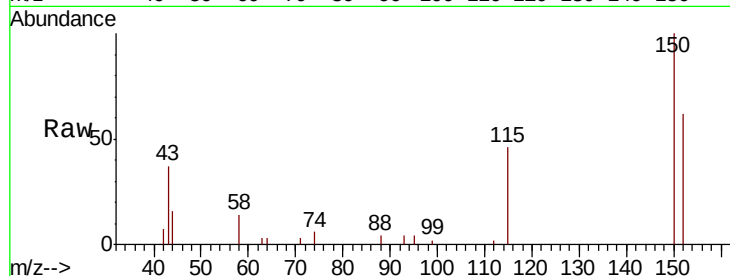


#1

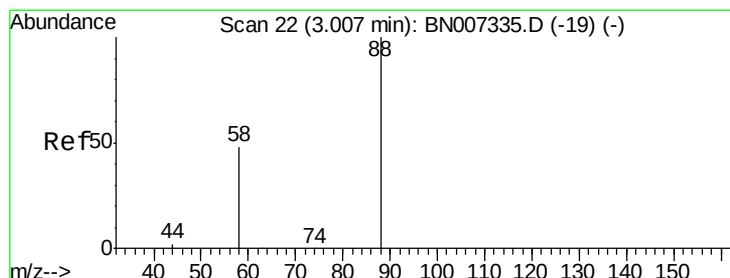
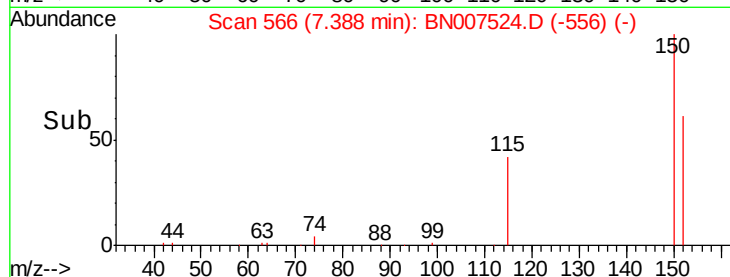
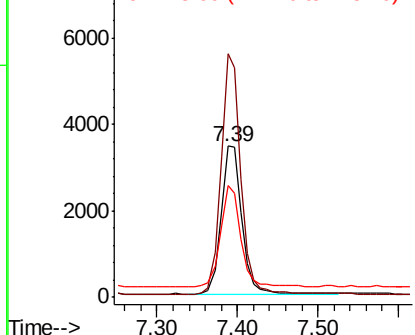
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BN007524.D  
Acq: 30 Aug 2019 15:26

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 6131  
Ion Ratio Lower Upper  
152 100  
150 161.1 109.1 163.7  
115 73.8 59.6 89.4



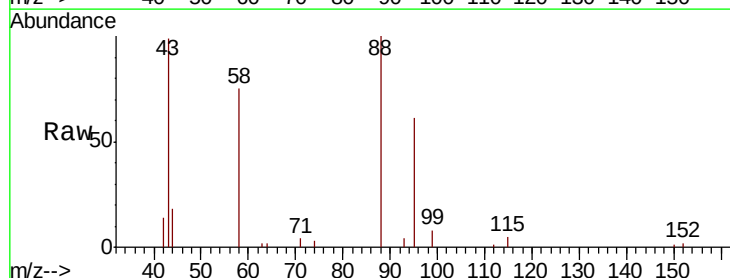
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



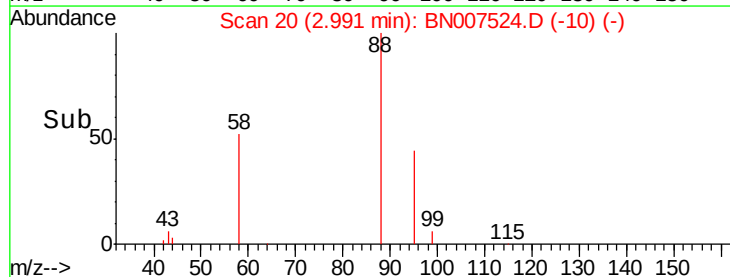
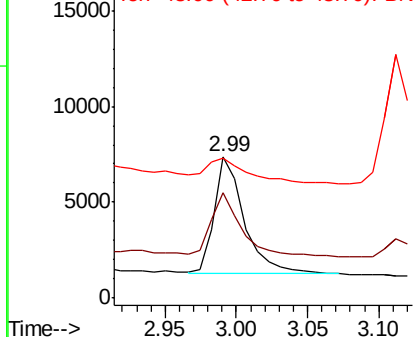
#2

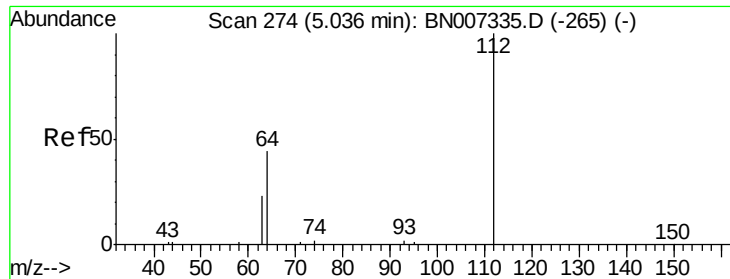
1,4-Dioxane  
Concen: 0.879 ng  
RT: 2.99 min Scan# 20  
Delta R.T. -0.02 min  
Lab File: BN007524.D  
Acq: 30 Aug 2019 15:26

Tgt Ion: 88 Resp: 8951  
Ion Ratio Lower Upper  
88 100  
58 52.8 50.5 75.7  
43 30.2 0.0 0.0#



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





#4

2-Fluorophenol

Concen: 0.124 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

Instrument :

BNA\_N

ClientSampled :

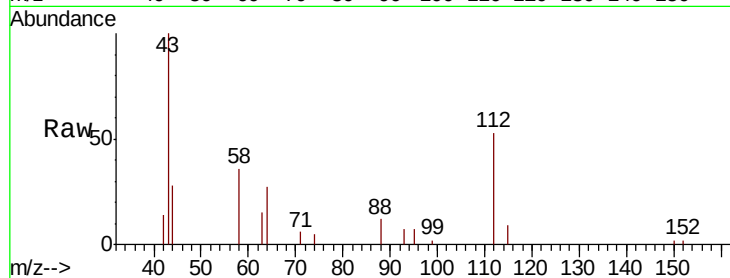
Tot Ion: 112 Resp: 3044

Ion Ratio Lower Upper

112 100

64 51.6 42.3 63.5

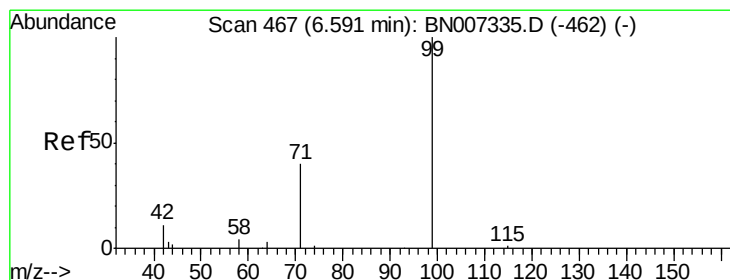
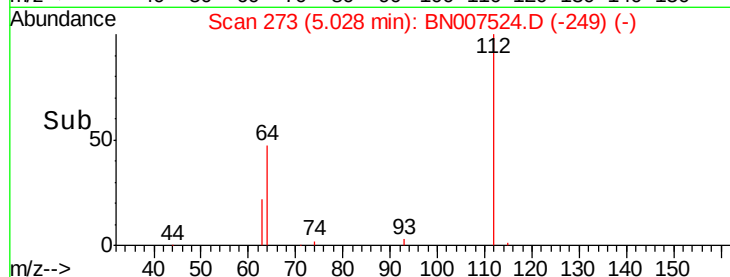
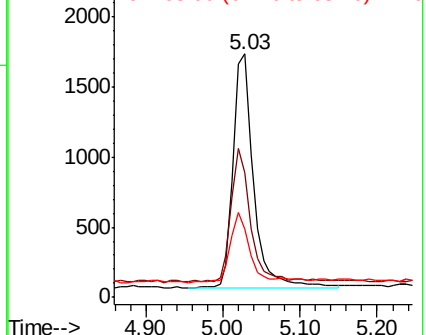
63 27.3 23.6 35.4



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: 0.062 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

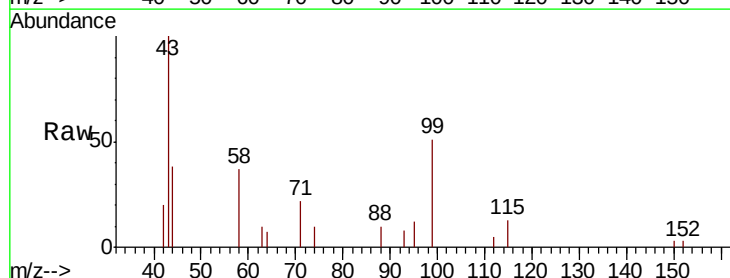
Tgt Ion: 99 Resp: 2361

Ion Ratio Lower Upper

99 100

42 18.8 11.2 16.8#

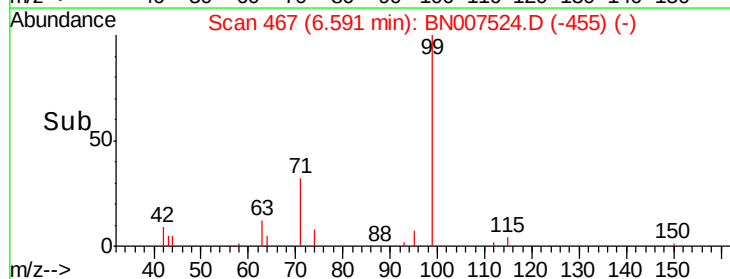
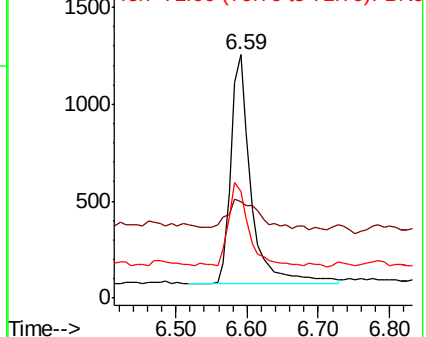
71 34.3 31.8 47.8

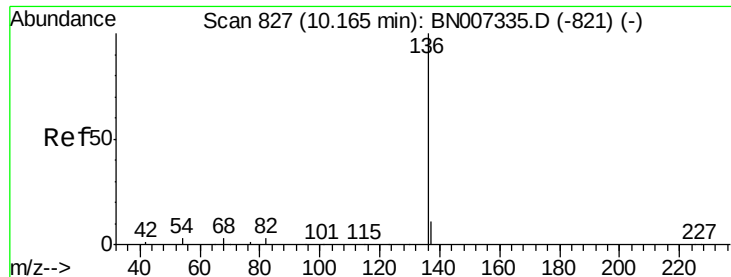


Abundance Ion 99.00 (98.70 to 99.70): BNC

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: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

Instrument :

BNA\_N

ClientSampleId :

Tot Ion:136 Resp: 25697

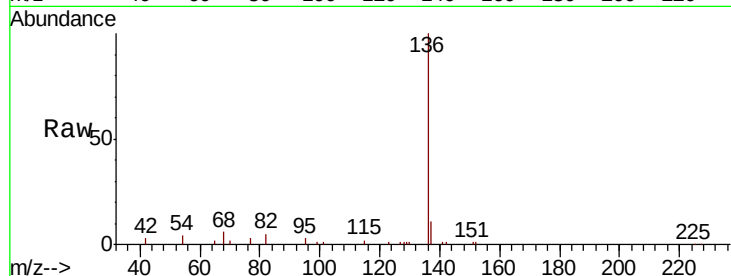
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 4.3 8.6 12.8#

68 6.3 17.0 25.4#

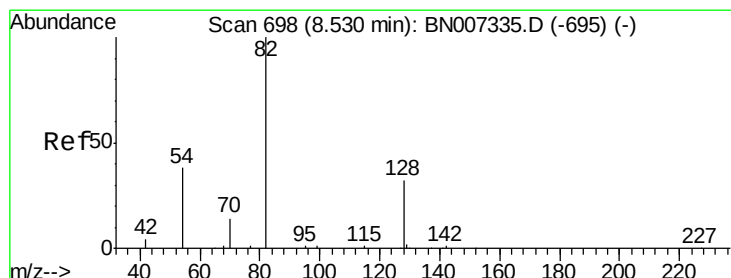
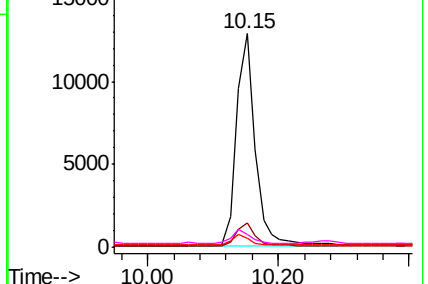
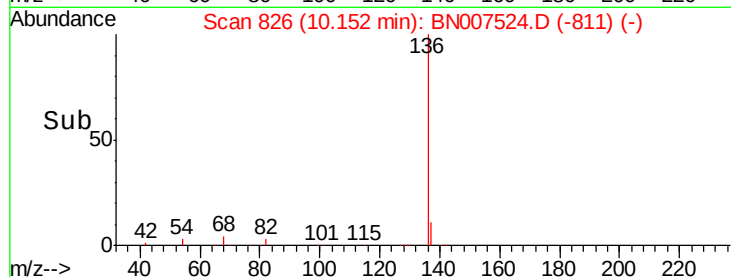


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.312 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

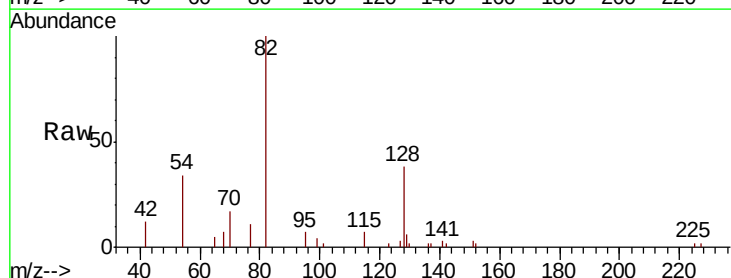
Tgt Ion: 82 Resp: 6986

Ion Ratio Lower Upper

82 100

128 37.5 19.7 29.5#

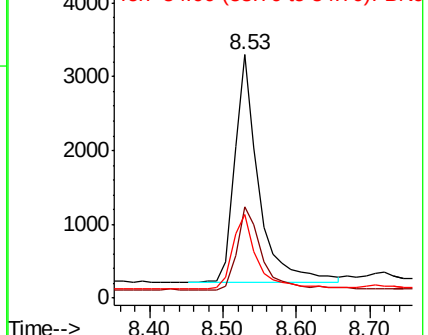
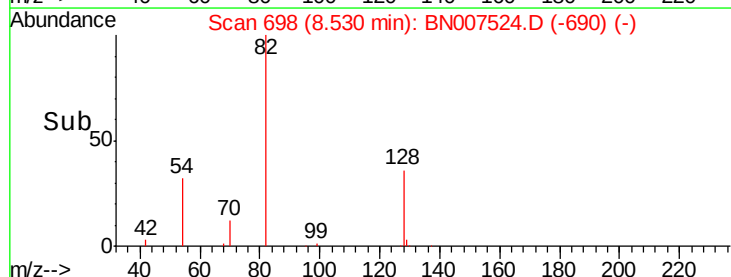
54 34.2 25.8 38.6

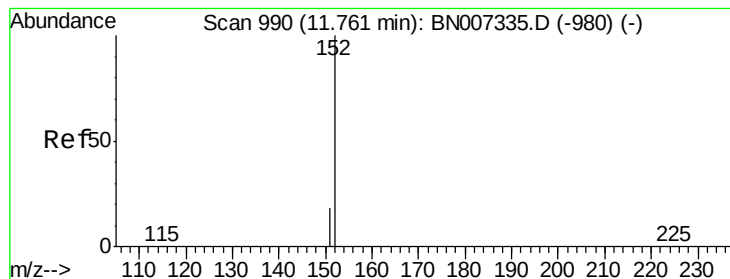


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

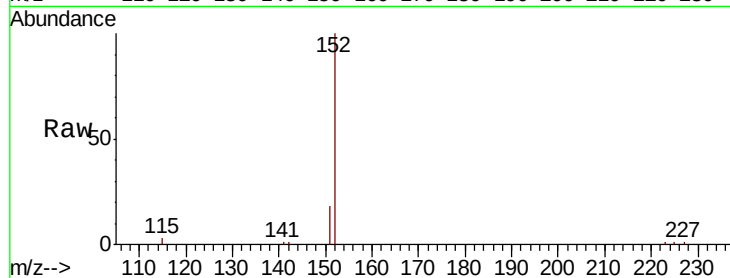




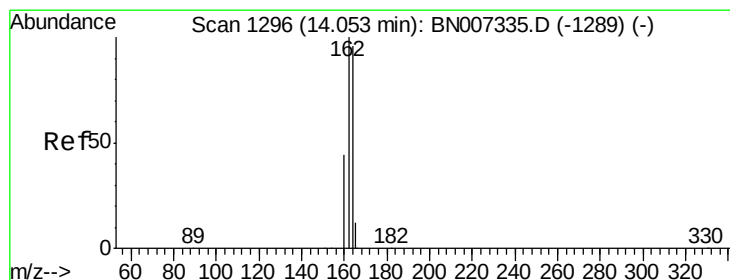
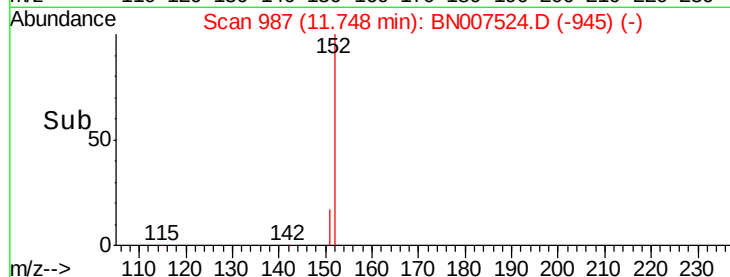
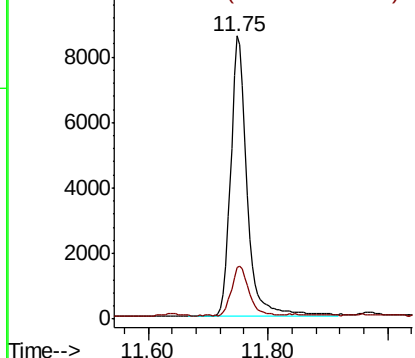
#11  
2-Methylnaphthalene-d10  
Concen: 0.384 ng  
RT: 11.75 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BN007524.D  
Acq: 30 Aug 2019 15:26

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:152 Resp: 16401  
Ion Ratio Lower Upper  
152 100  
151 18.7 16.2 24.2

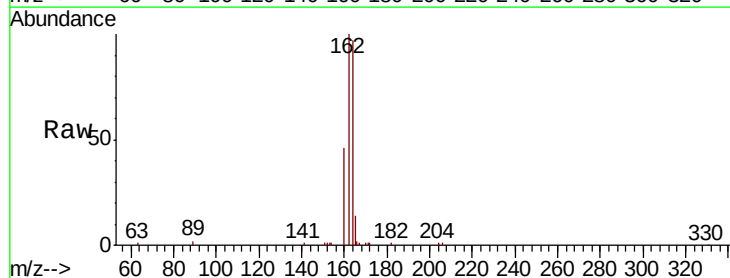


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E

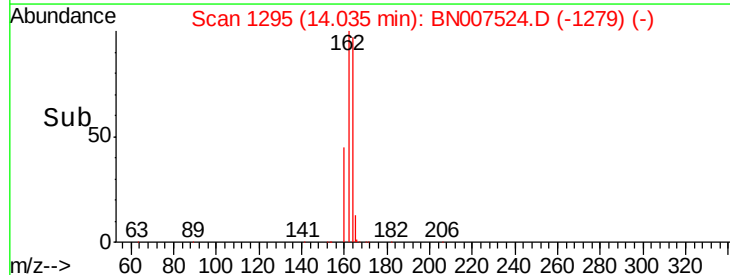
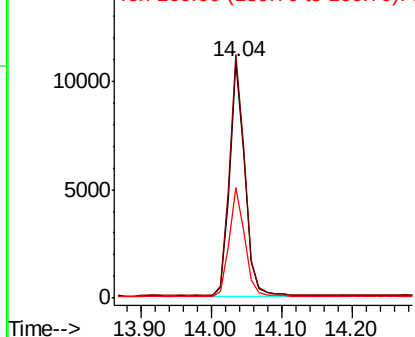


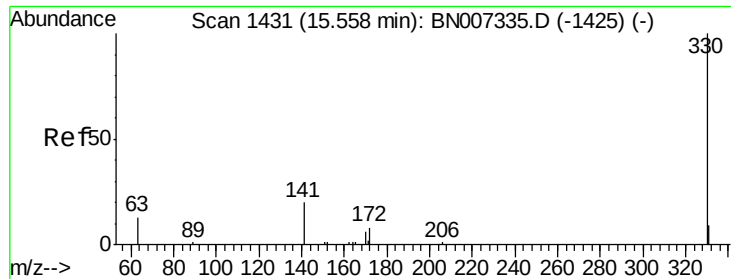
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.04 min Scan# 1295  
Delta R.T. -0.02 min  
Lab File: BN007524.D  
Acq: 30 Aug 2019 15:26

Tgt Ion:164 Resp: 16555  
Ion Ratio Lower Upper  
164 100  
162 103.0 83.5 125.3  
160 47.0 38.2 57.4



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

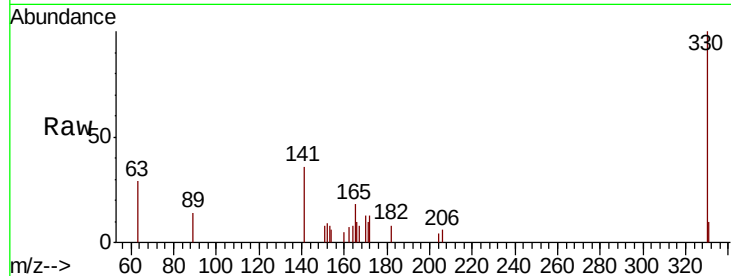




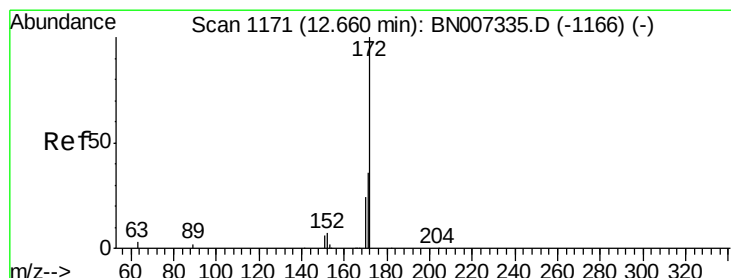
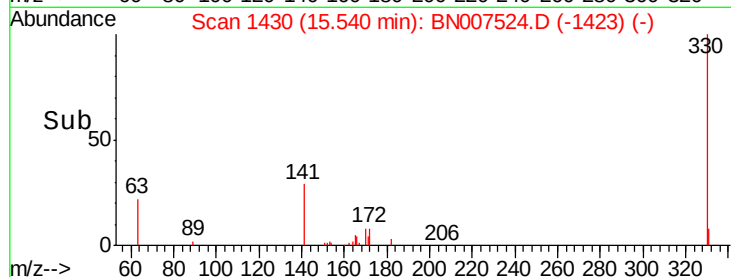
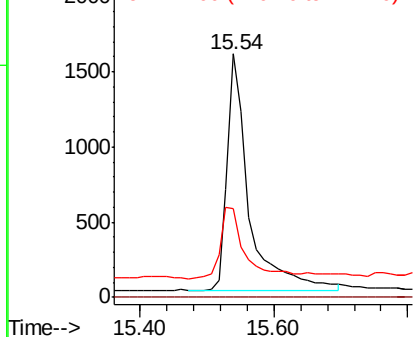
#14  
 2,4,6-Tribromophenol  
 Concen: 0.409 ng  
 RT: 15.54 min Scan# 1430  
 Delta R.T. -0.02 min  
 Lab File: BN007524.D  
 Acq: 30 Aug 2019 15:26

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:330 Resp: 3544  
 Ion Ratio Lower Upper  
 330 100  
 332 0.0 0.0 0.0  
 141 34.4 26.9 40.3

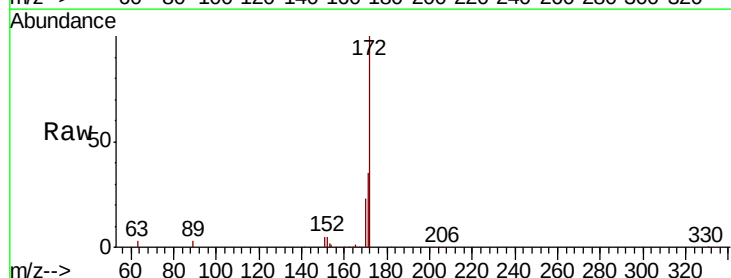


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

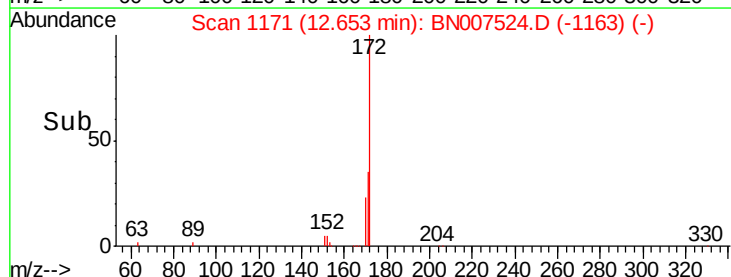
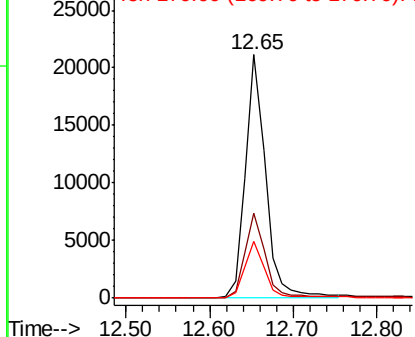


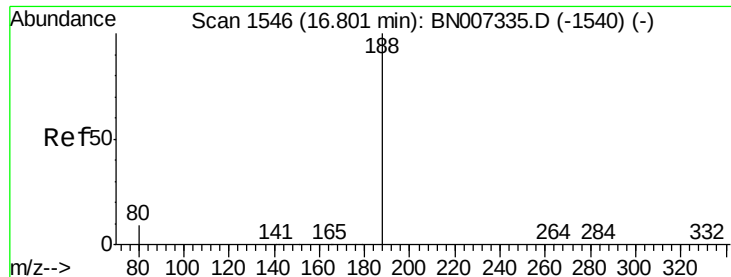
#15  
 2-Fluorobiphenyl  
 Concen: 0.526 ng  
 RT: 12.65 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: BN007524.D  
 Acq: 30 Aug 2019 15:26

Tgt Ion:172 Resp: 35139  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 30.3 45.5  
 170 23.2 20.7 31.1



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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

Instrument :

BNA\_N

ClientSampleId :

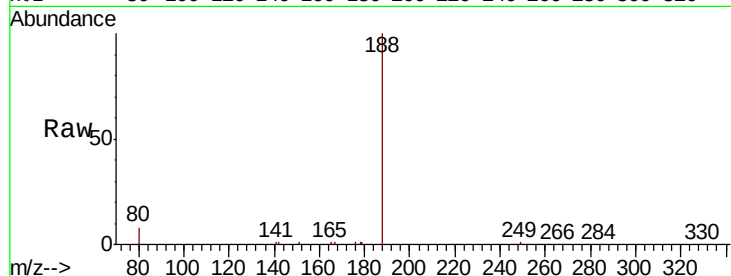
Tot Ion:188 Resp: 39910

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

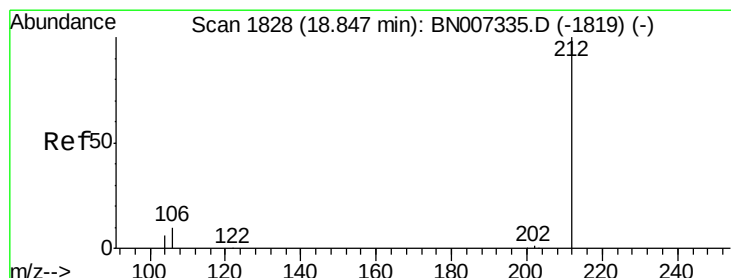
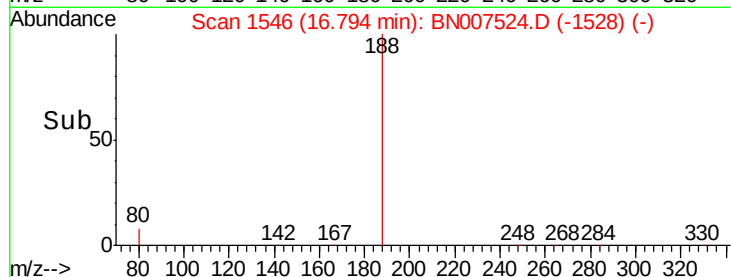
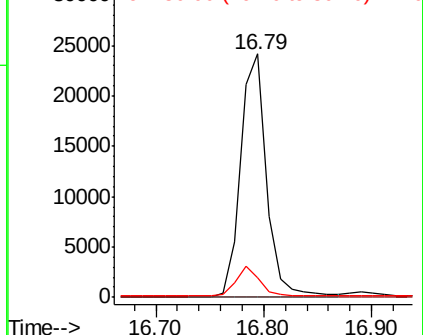
80 8.3 11.8 17.8#



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: 0.379 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

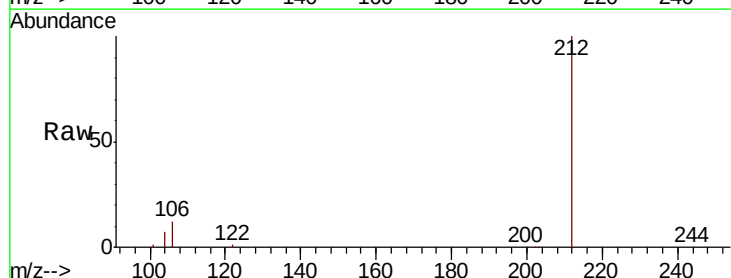
Tgt Ion:212 Resp: 48758

Ion Ratio Lower Upper

212 100

106 12.5 9.0 13.4

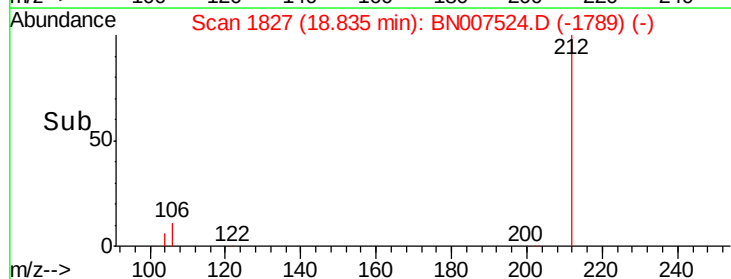
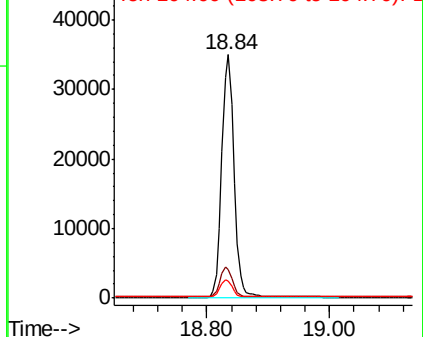
104 7.0 5.4 8.2



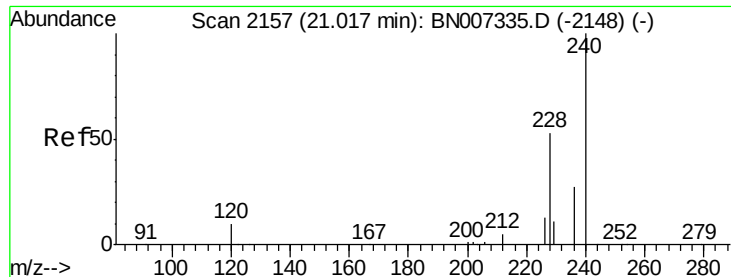
Abundance Ion 212.00 (211.70 to 212.70): E

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: BN007524.D

Acq: 30 Aug 2019 15:26

Instrument :

BNA\_N

ClientSampleId :

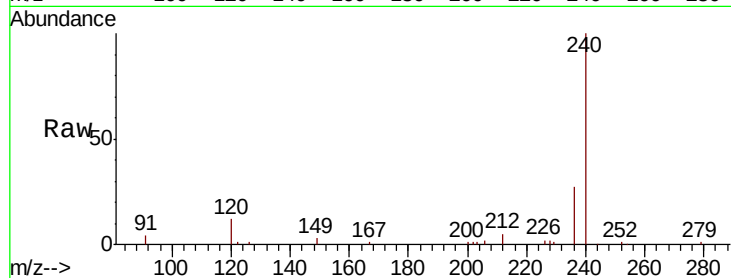
Tot Ion:240 Resp: 39208

Ion Ratio Lower Upper

240 100

120 12.0 9.6 14.4

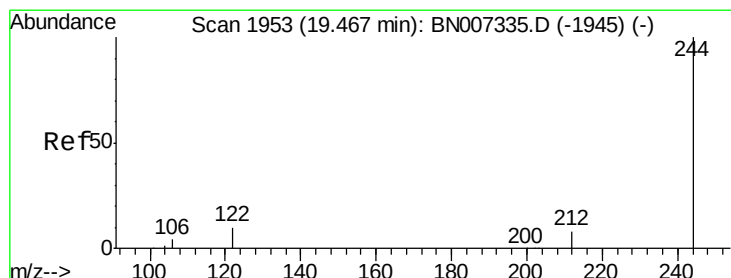
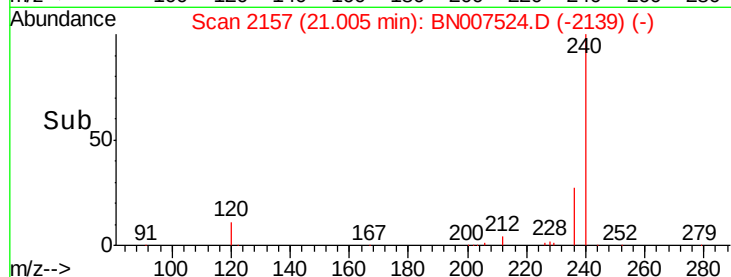
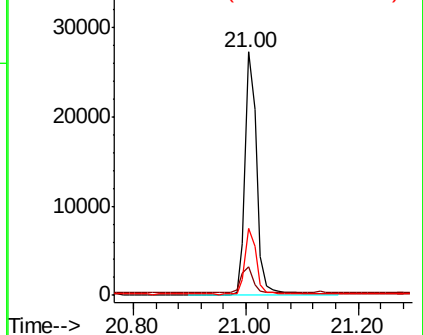
236 27.3 22.2 33.2



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: 0.427 ng

RT: 19.45 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

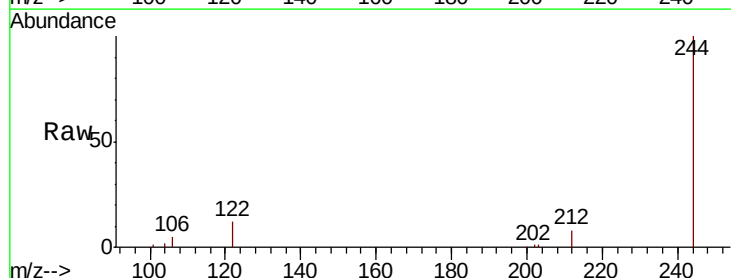
Tgt Ion:244 Resp: 43857

Ion Ratio Lower Upper

244 100

212 7.8 7.0 10.6

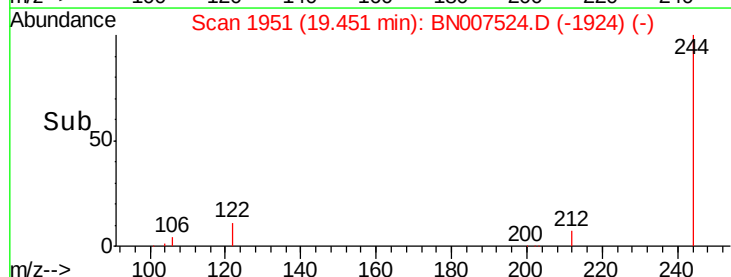
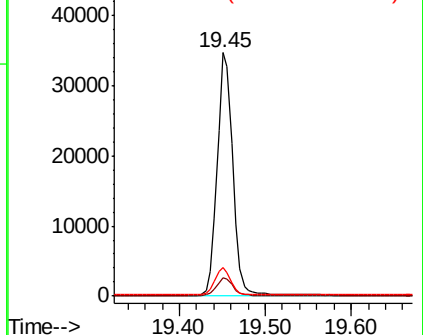
122 11.7 9.6 14.4

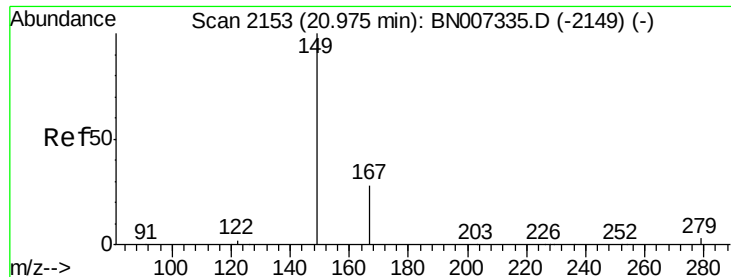


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.057 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

Instrument :

BNA\_N

ClientSampleId :

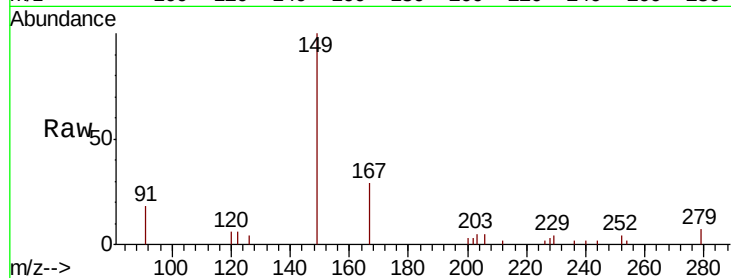
Tot Ion:149 Resp: 7545

Ion Ratio Lower Upper

149 100

167 27.6 22.8 34.2

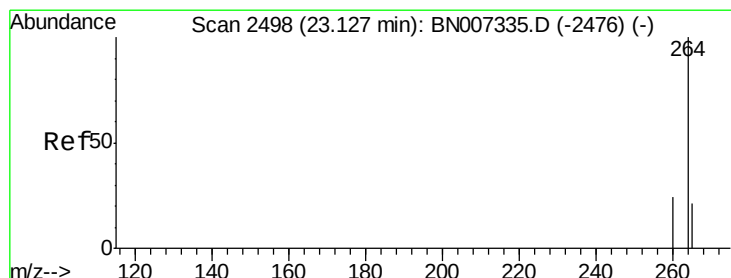
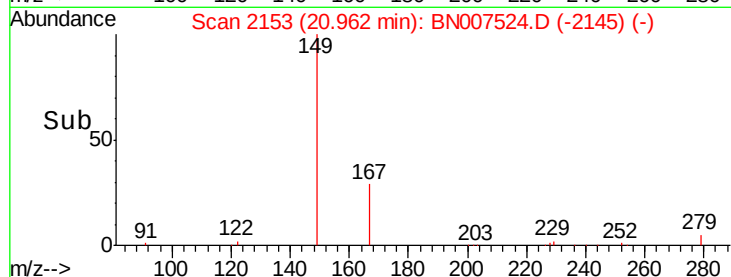
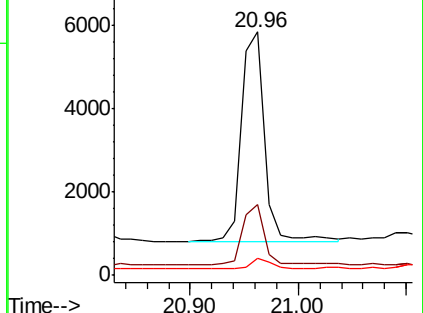
279 3.9 3.5 5.3



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: 23.11 min Scan# 2495

Delta R.T. -0.02 min

Lab File: BN007524.D

Acq: 30 Aug 2019 15:26

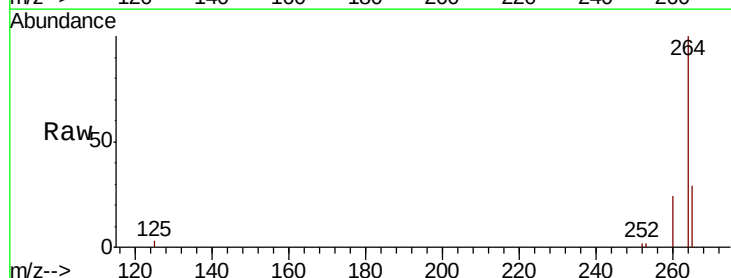
Tgt Ion:264 Resp: 38048

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 28.9 29.9 44.9#



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

