

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083019\  
 Data File : BN007521.D  
 Acq On : 30 Aug 2019 13:38  
 Operator : HP/JU  
 Sample : PB122692BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 31 01:58:44 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

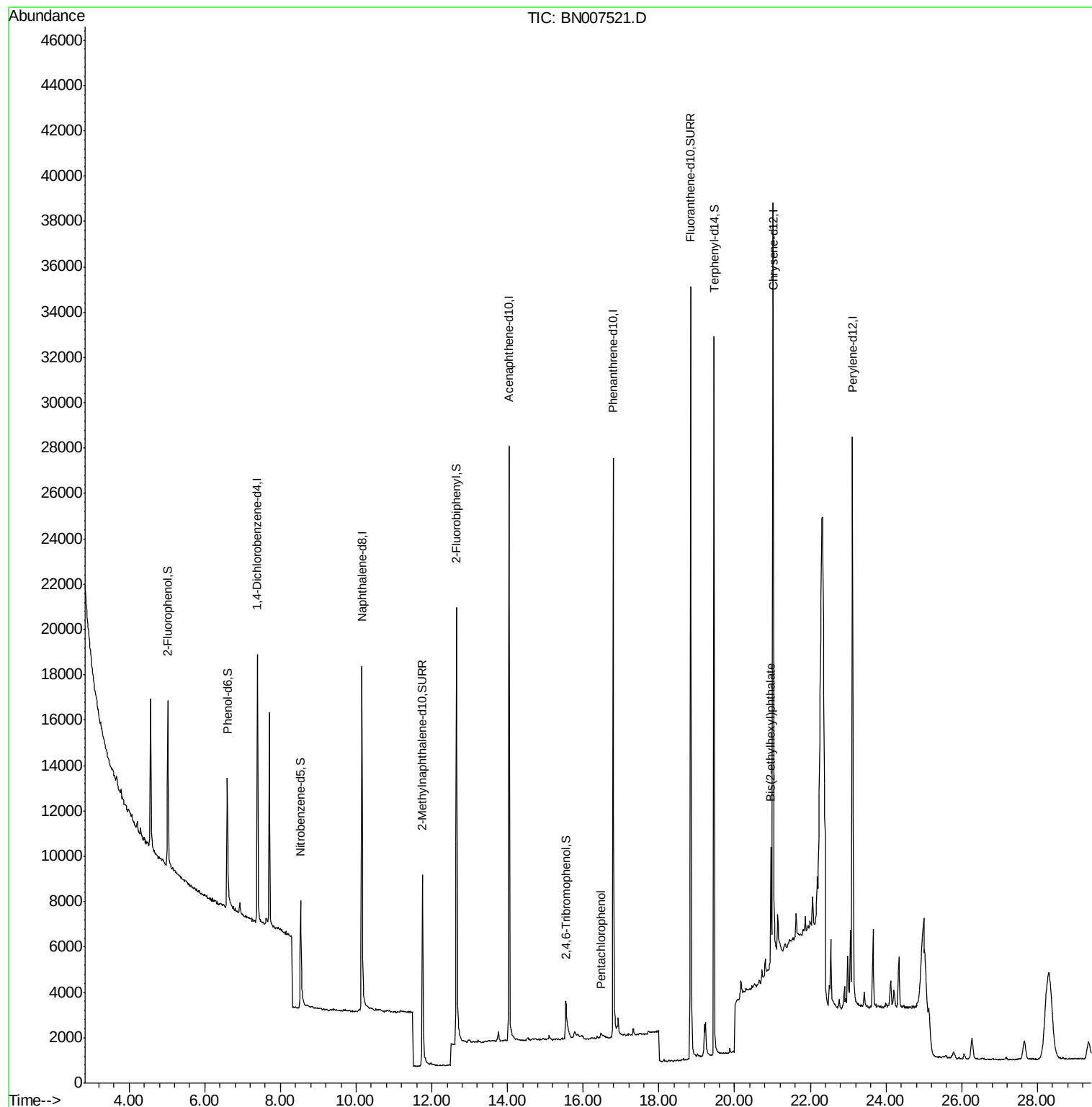
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 6135     | 0.40  | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.15 | 136  | 25363    | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.03 | 164  | 16462    | 0.40  | ng    | -0.02    |
| 19) Phenanthrene-d10           | 16.79 | 188  | 38370    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.02 | 240  | 35652    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.12 | 264  | 31819    | 0.40  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.03  | 112  | 6928     | 0.32  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.59  | 99   | 8327     | 0.30  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 6124     | 0.28  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.75 | 152  | 15004    | 0.36  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.55 | 330  | 2681     | 0.31  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.65 | 172  | 20297    | 0.31  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.83 | 212  | 42102    | 0.34  | ng    | -0.01    |
| 29) Terphenyl-d14              | 19.46 | 244  | 33221    | 0.36  | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.48 | 266  | 415      | 0.052 | ng    | # 81     |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 5455     | 0.041 | ng    | # 95     |

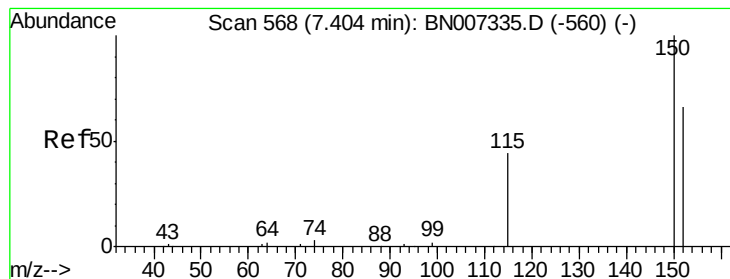
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083019\  
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QLast Update : Thu Aug 29 12:18:45 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

Instrument :

BNA\_N

ClientSampleId :

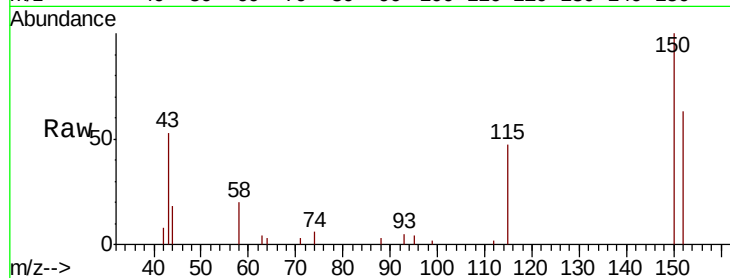
Tot Ion:152 Resp: 6135

Ion Ratio Lower Upper

152 100

150 158.7 109.1 163.7

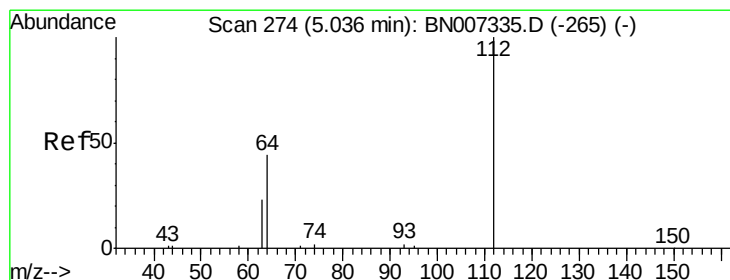
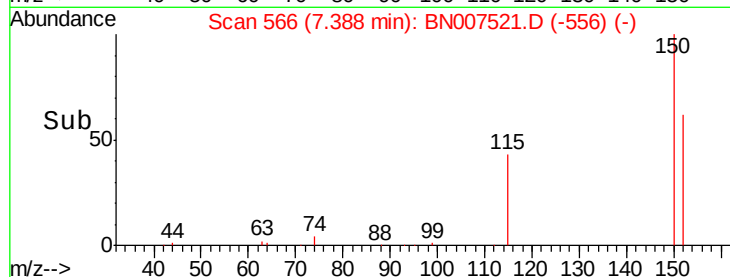
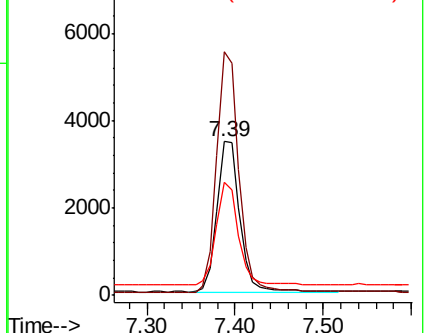
115 73.9 59.6 89.4



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



#4

2-Fluorophenol

Concen: 0.320 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

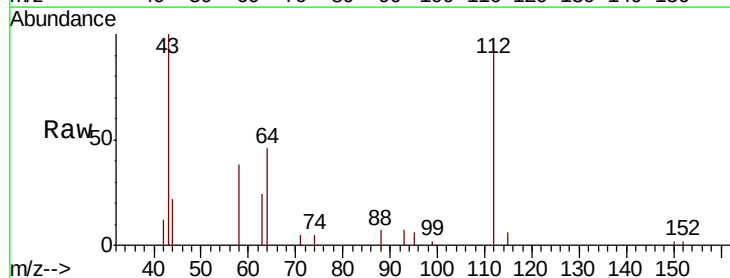
Tgt Ion:112 Resp: 6928

Ion Ratio Lower Upper

112 100

64 54.4 42.3 63.5

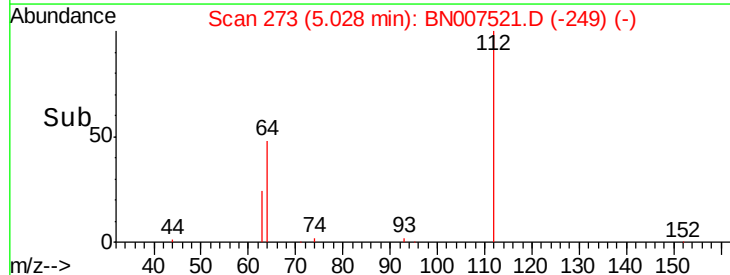
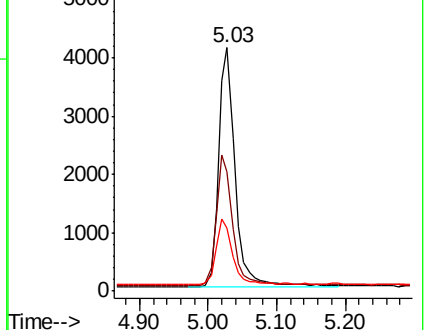
63 27.0 23.6 35.4

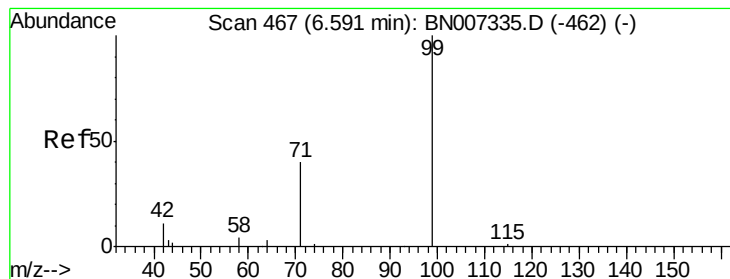


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.300 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

Instrument :

BNA\_N

ClientSampleId :

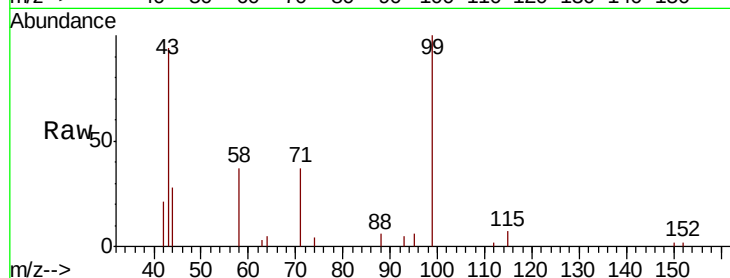
Tot Ion: 99 Resp: 8327

Ion Ratio Lower Upper

99 100

42 12.6 11.2 16.8

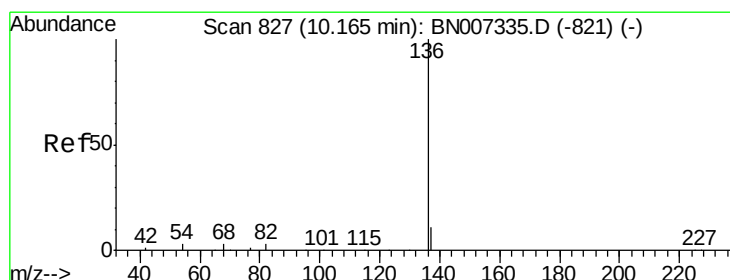
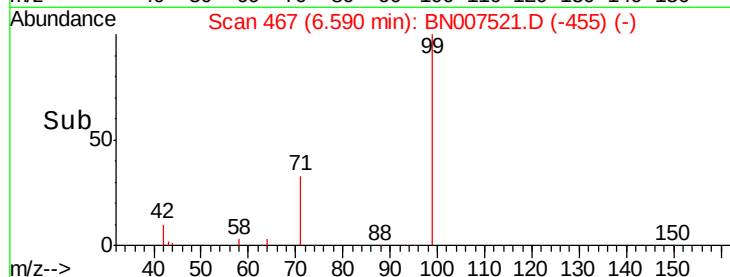
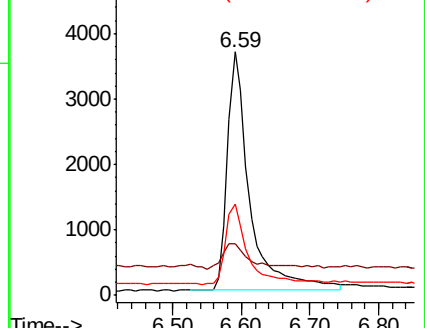
71 33.7 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

Tgt Ion: 136 Resp: 25363

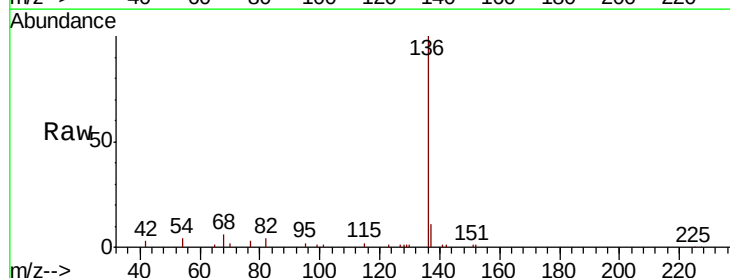
Ion Ratio Lower Upper

136 100

137 11.2 12.9 19.3#

54 4.3 8.6 12.8#

68 6.4 17.0 25.4#

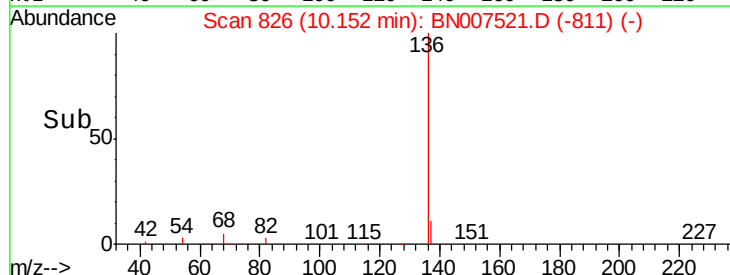
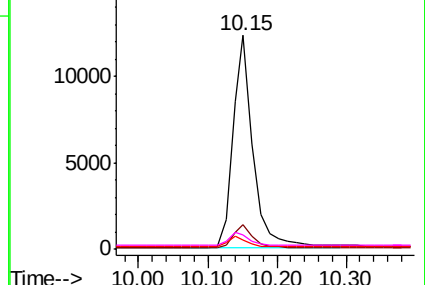


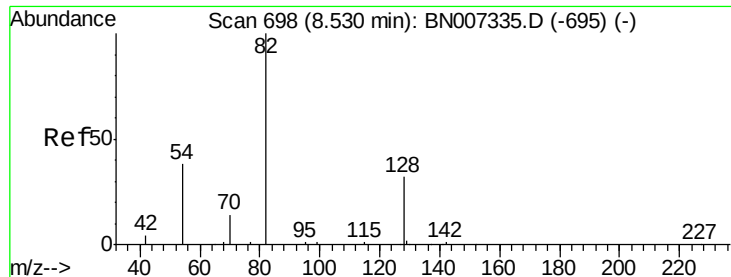
Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007335.D (-821) (-)

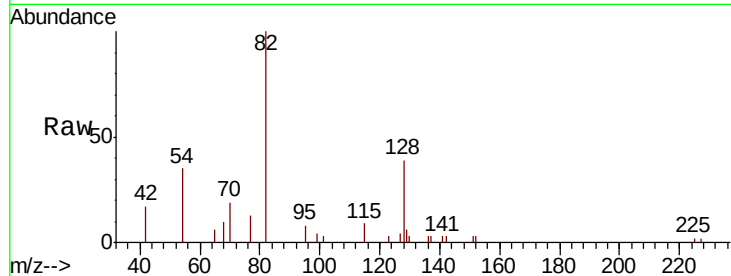




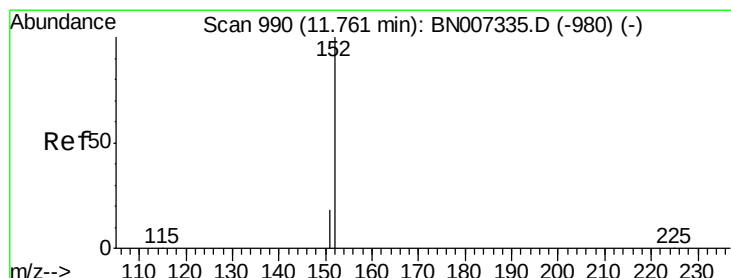
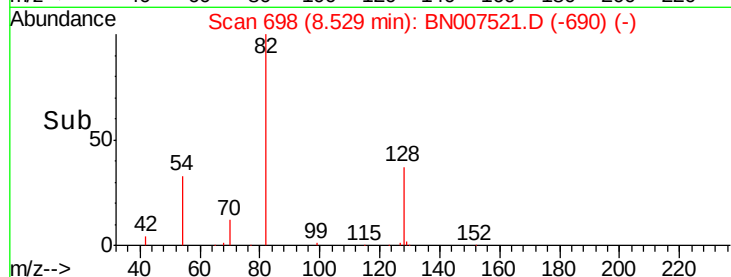
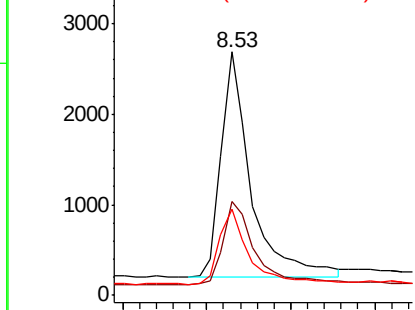
#8  
 Nitrobenzene-d5  
 Concen: 0.277 ng  
 RT: 8.53 min Scan# 698  
 Delta R.T. 0.00 min  
 Lab File: BN007521.D  
 Acq: 30 Aug 2019 13:38

Instrument :  
 BNA\_N  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 6124  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 38.7  | 19.7  | 29.5# |
| 54        | 35.2  | 25.8  | 38.6  |

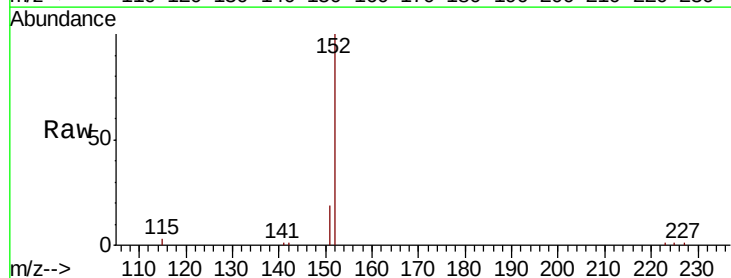


Abundance Ion 82.00 (81.70 to 82.70): BN0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BN0

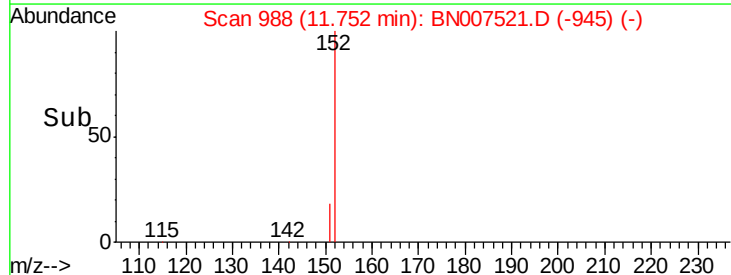
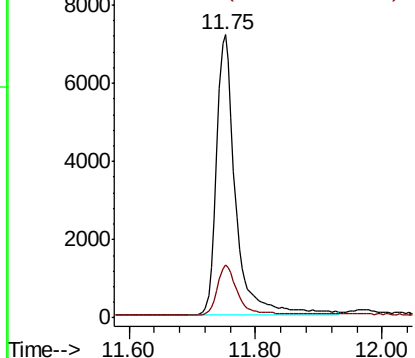


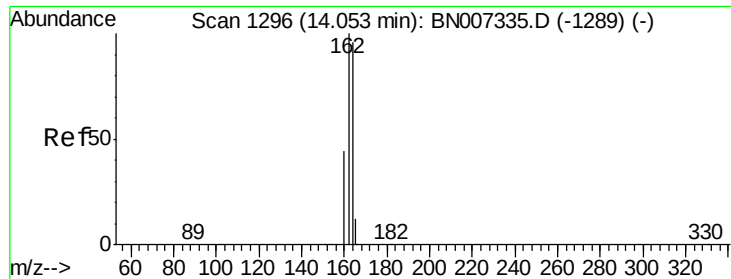
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.356 ng  
 RT: 11.75 min Scan# 988  
 Delta R.T. -0.01 min  
 Lab File: BN007521.D  
 Acq: 30 Aug 2019 13:38

| Tgt Ion   | 152   | Resp  | 15004 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 18.6  | 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: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

Instrument :

BNA\_N

ClientSampled :

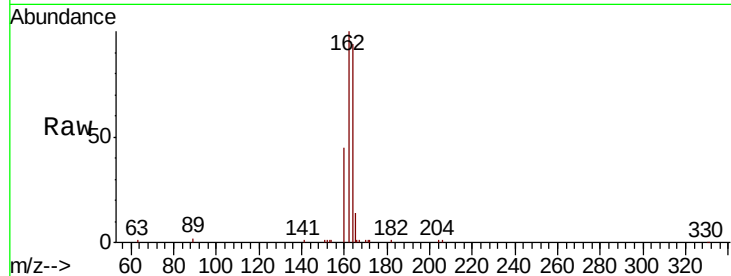
Tot Ion:164 Resp: 16462

Ion Ratio Lower Upper

164 100

162 106.3 83.5 125.3

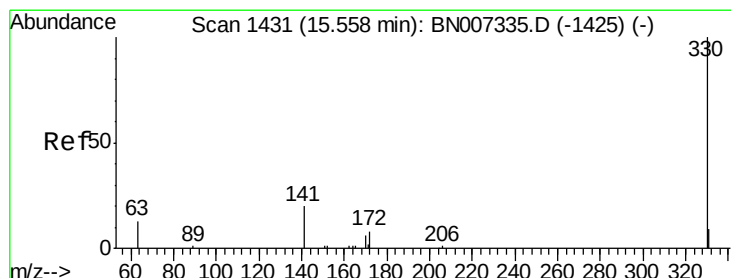
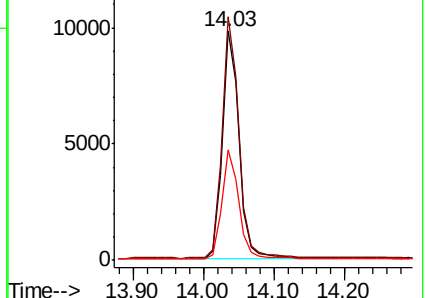
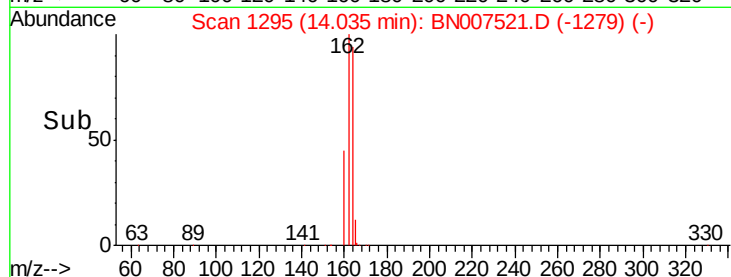
160 48.0 38.2 57.4



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: 0.311 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

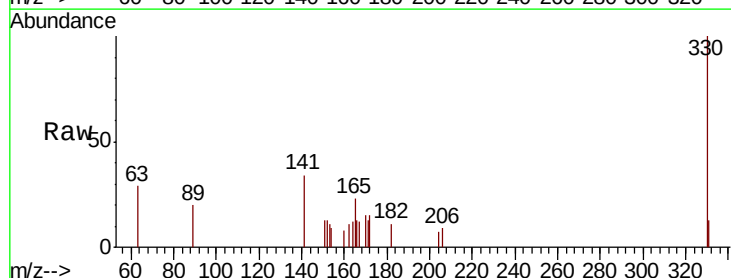
Tgt Ion:330 Resp: 2681

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

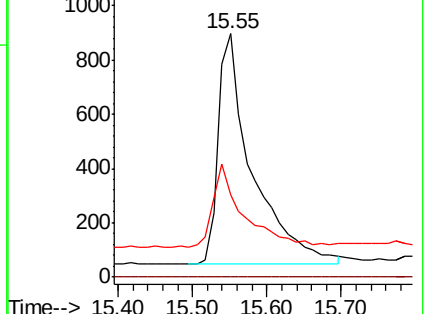
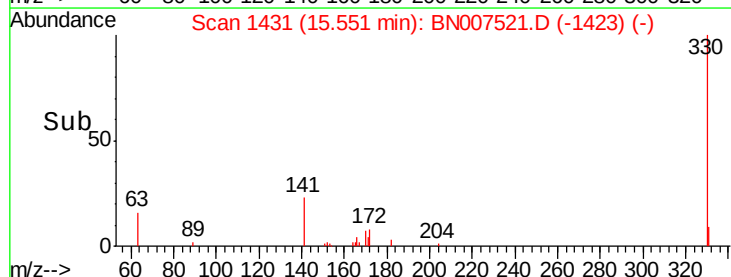
141 32.7 26.9 40.3

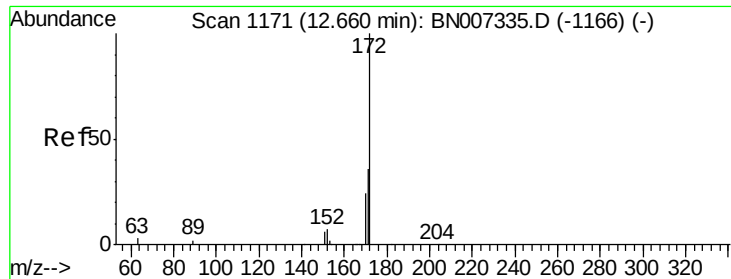


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

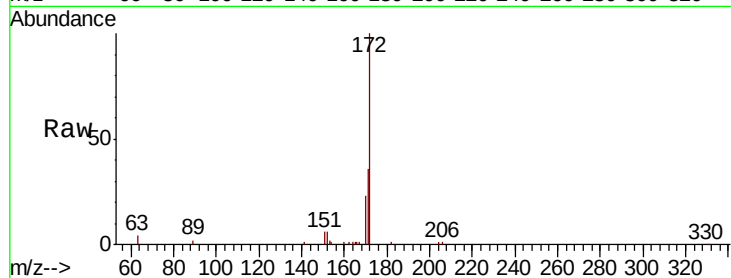




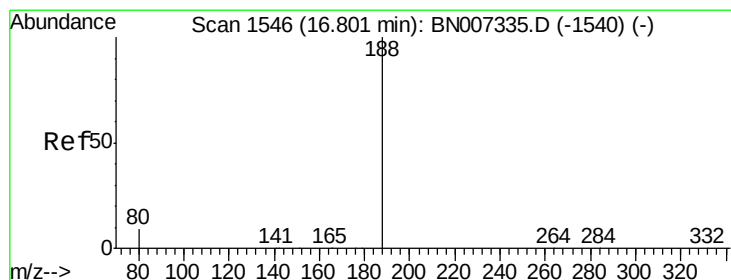
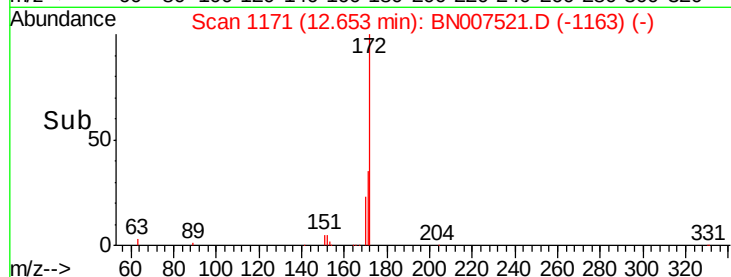
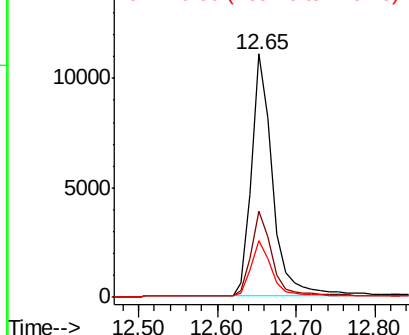
#15  
2-Fluorobiphenyl  
Concen: 0.306 ng  
RT: 12.65 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BN007521.D  
Acq: 30 Aug 2019 13:38

Instrument :  
BNA\_N  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 30.3  | 45.5  |
| 170     | 23.4  | 20.7  | 31.1  |

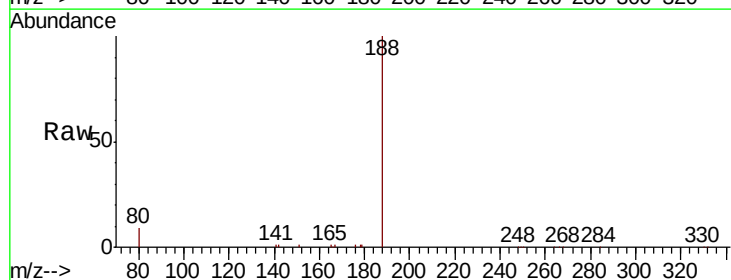


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

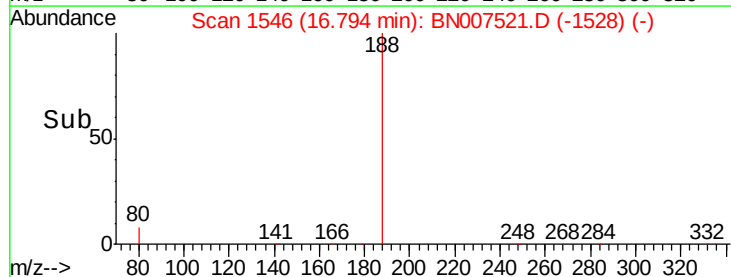
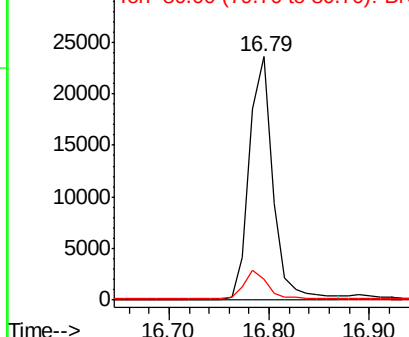


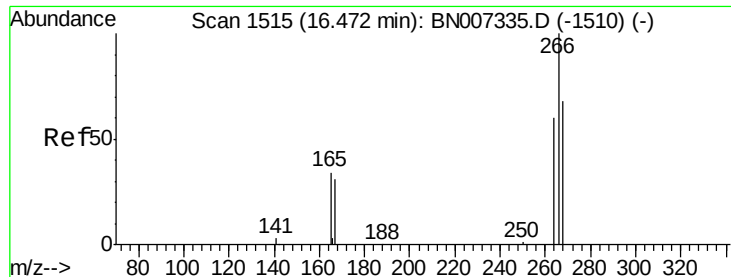
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.79 min Scan# 1546  
Delta R.T. -0.01 min  
Lab File: BN007521.D  
Acq: 30 Aug 2019 13:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 8.8   | 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

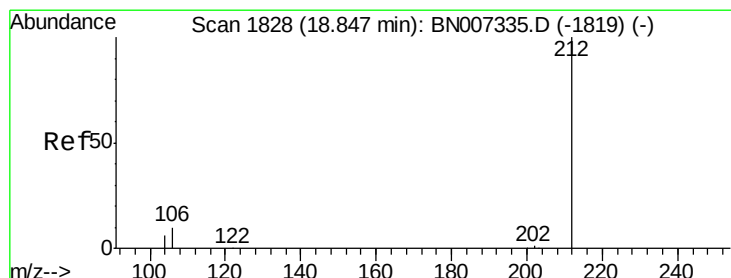
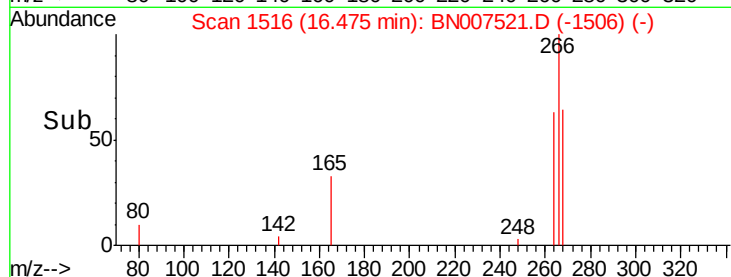
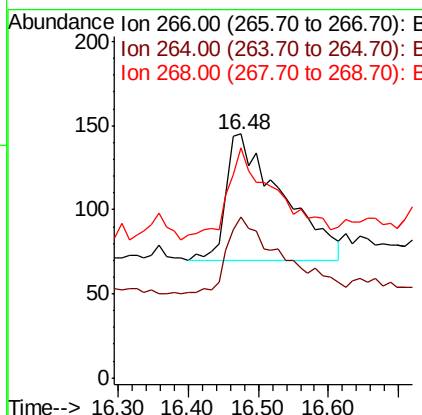
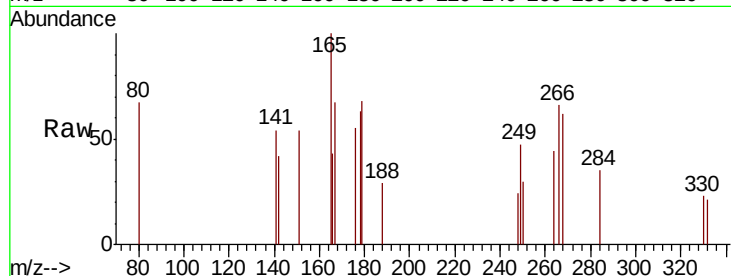




#22  
 Pentachlorophenol  
 Concen: 0.052 ng  
 RT: 16.48 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: BN007521.D  
 Acq: 30 Aug 2019 13:38

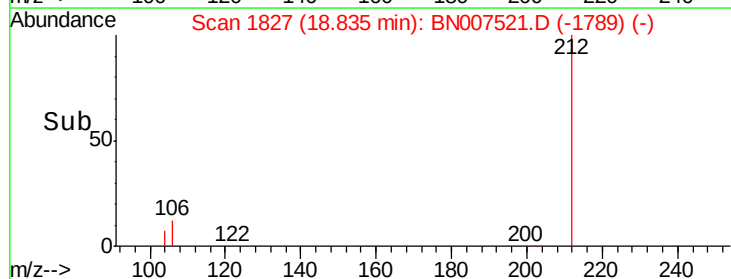
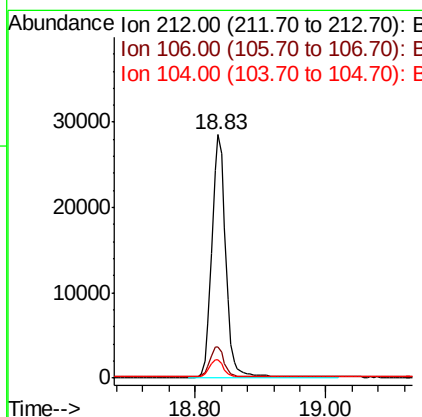
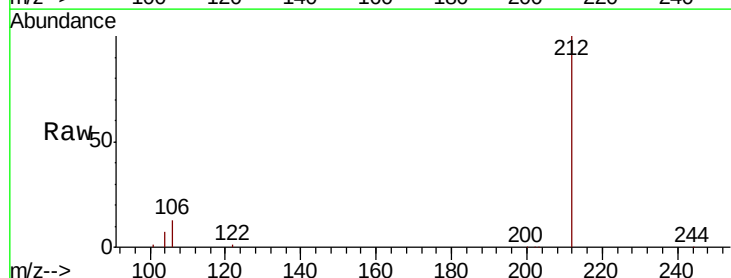
Instrument :  
 BNA\_N  
 ClientSampled :

Tot Ion:266 Resp: 415  
 Ion Ratio Lower Upper  
 266 100  
 264 66.2 57.8 86.8  
 268 94.5 99.7 149.5#

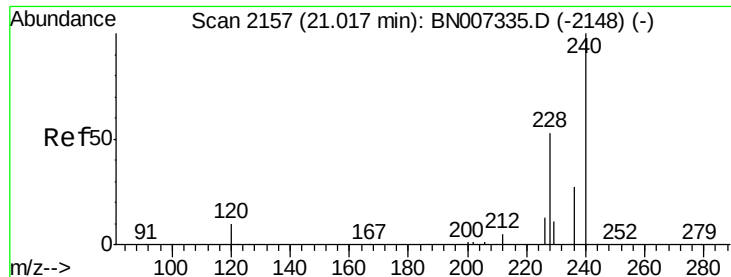


#25  
 Fluoranthene-d10  
 Concen: 0.341 ng  
 RT: 18.83 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BN007521.D  
 Acq: 30 Aug 2019 13:38

Tgt Ion:212 Resp: 42102  
 Ion Ratio Lower Upper  
 212 100  
 106 12.5 9.0 13.4  
 104 6.9 5.4 8.2







#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

Instrument :

BNA\_N

ClientSampleId :

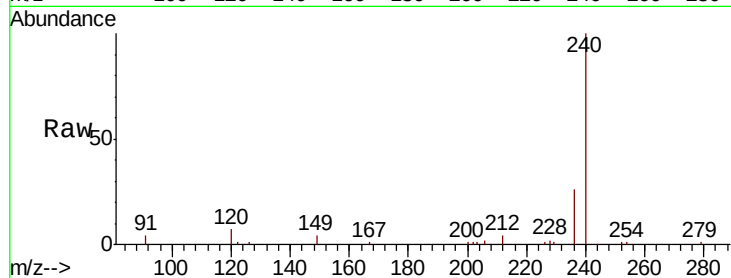
Tot Ion:240 Resp: 35652

Ion Ratio Lower Upper

240 100

120 6.8 9.6 14.4#

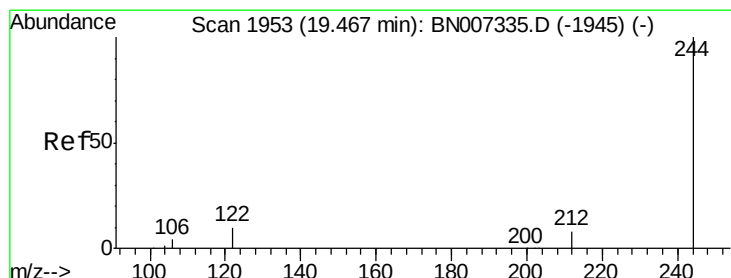
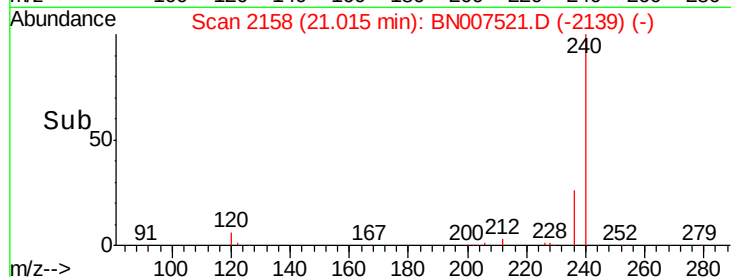
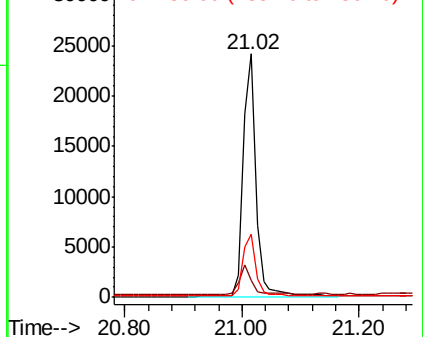
236 26.2 22.2 33.2



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: 0.356 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

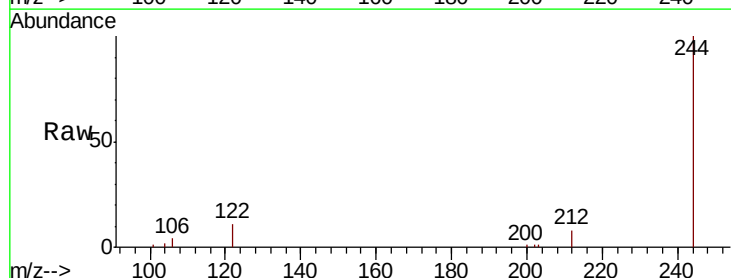
Tgt Ion:244 Resp: 33221

Ion Ratio Lower Upper

244 100

212 7.6 7.0 10.6

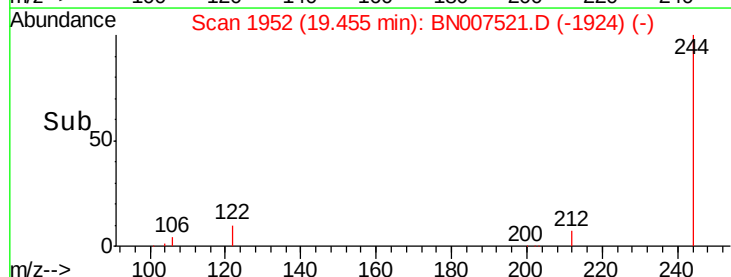
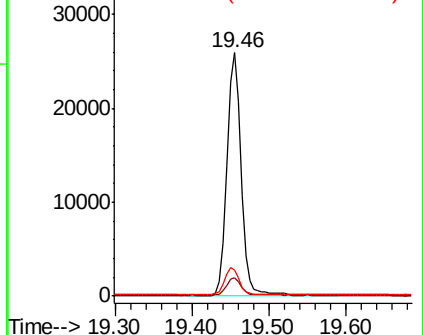
122 10.8 9.6 14.4

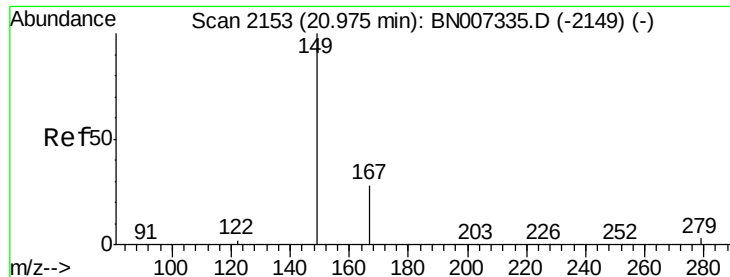


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.041 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

Instrument :

BNA\_N

ClientSampleId :

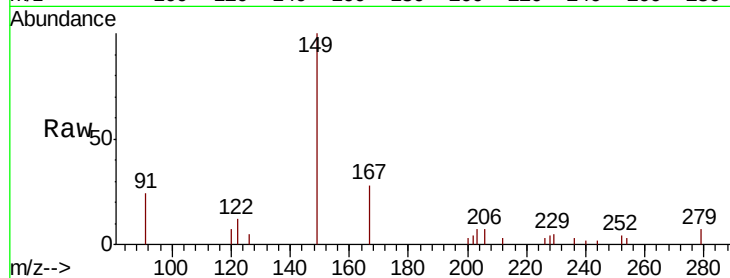
Tot Ion:149 Resp: 5455

Ion Ratio Lower Upper

149 100

167 26.2 22.8 34.2

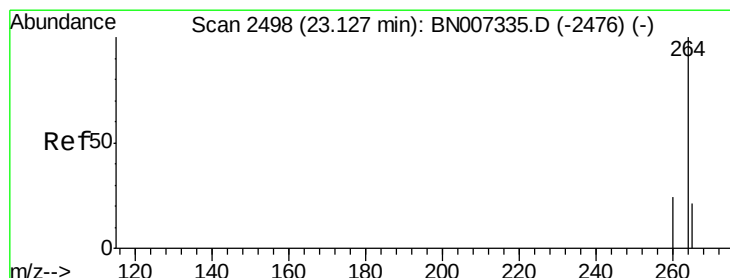
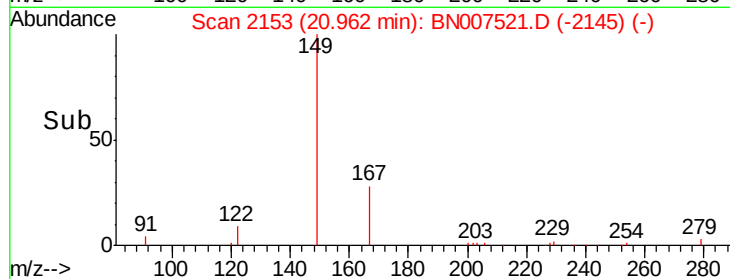
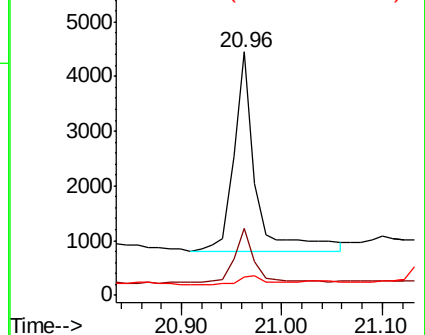
279 6.5 3.5 5.3#



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: 23.12 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BN007521.D

Acq: 30 Aug 2019 13:38

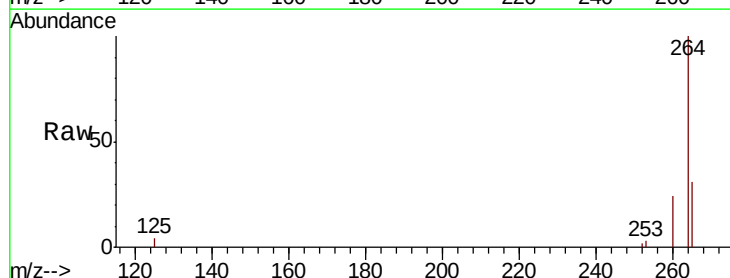
Tgt Ion:264 Resp: 31819

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 30.6 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

