

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120621\  
 Data File : BN017739.D  
 Acq On : 06 Dec 2021 19:55  
 Operator : CG/JU  
 Sample : M4917-20RE  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-36

Quant Time: Dec 07 06:52:21 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN120621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 06 15:58:05 2021  
 Response via : Initial Calibration

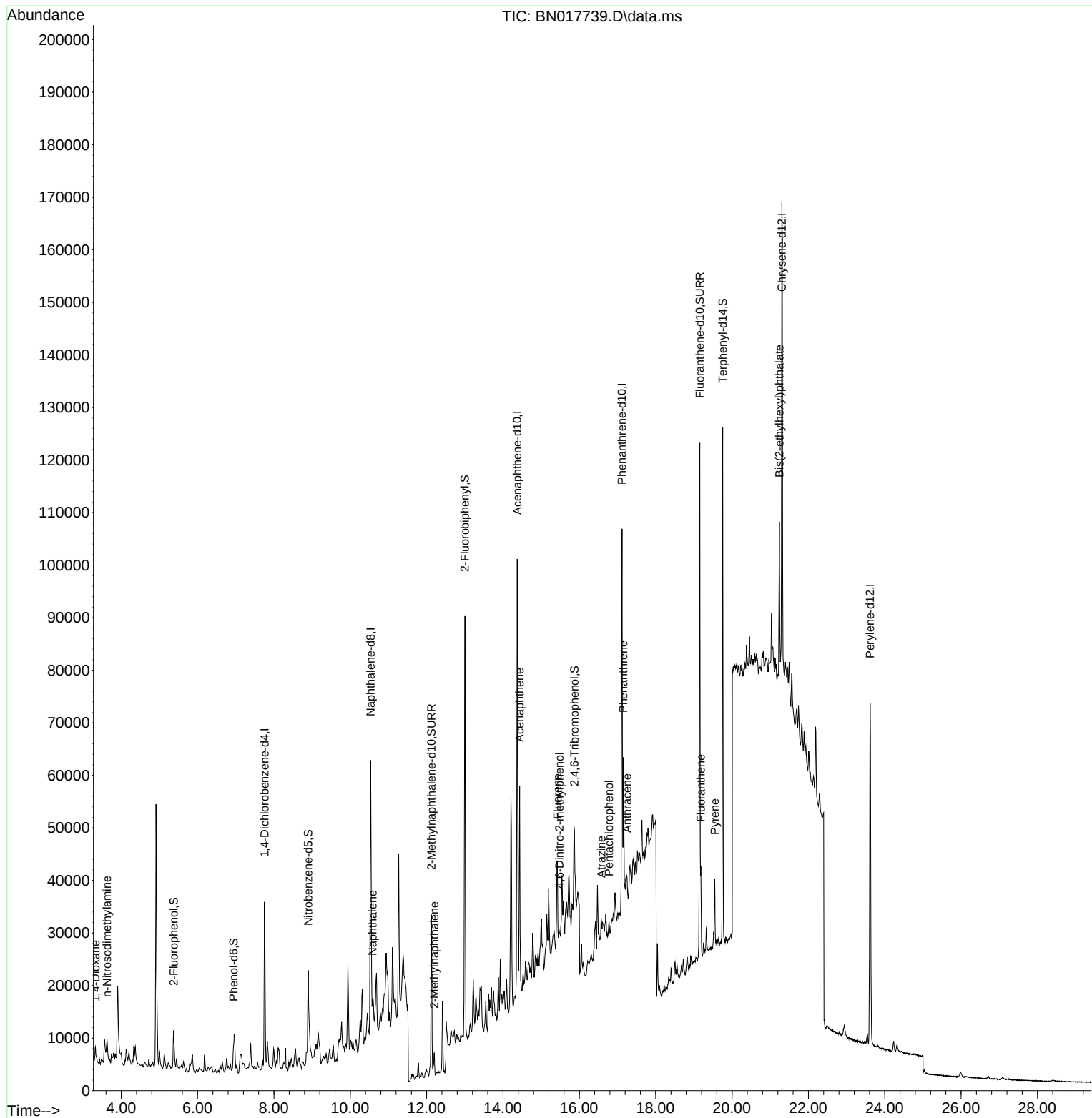
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.752  | 152  | 16493    | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.532 | 136  | 66409    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.373 | 164  | 46932    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.117 | 188  | 97327    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.304 | 240  | 94564    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.617 | 264  | 90557    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.373  | 112  | 7523     | 0.213 | ng    | 0.02     |
| 5) Phenol-d6                  | 6.941  | 99   | 4329     | 0.114 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.898  | 82   | 17124    | 0.381 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.126 | 152  | 42126    | 0.346 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.870 | 330  | 14101    | 0.616 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.003 | 172  | 70867    | 0.408 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.155 | 212  | 116873   | 0.357 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.755 | 244  | 101091   | 0.417 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.326  | 88   | 548      | 0.050 | ng    | # 1      |
| 3) n-Nitrosodimethylamine     | 3.630  | 42   | 981      | 0.063 | ng    | # 4      |
| 9) Naphthalene                | 10.583 | 128  | 4062     | 0.025 | ng    | # 32     |
| 12) 2-Methylnaphthalene       | 12.197 | 142  | 2656     | 0.024 | ng    | # 53     |
| 17) Acenaphthene              | 14.437 | 154  | 20964    | 0.172 | ng    | 99       |
| 18) Fluorene                  | 15.426 | 166  | 9867     | 0.063 | ng    | # 94     |
| 20) 4,6-Dinitro-2-methylph... | 15.477 | 198  | 222      | 0.250 | ng    | # 1      |
| 23) Atrazine                  | 16.582 | 200  | 554      | 0.109 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.776 | 266  | 610      | 0.202 | ng    | 97       |
| 25) Phenanthrene              | 17.154 | 178  | 31231    | 0.122 | ng    | # 83     |
| 26) Anthracene                | 17.251 | 178  | 5697     | 0.025 | ng    | # 78     |
| 28) Fluoranthene              | 19.179 | 202  | 14154    | 0.046 | ng    | # 92     |
| 30) Pyrene                    | 19.547 | 202  | 12682    | 0.036 | ng    | # 87     |
| 34) Bis(2-ethylhexyl)phtha... | 21.240 | 149  | 25633    | 0.172 | ng    | # 94     |
| -----                         |        |      |          |       |       |          |

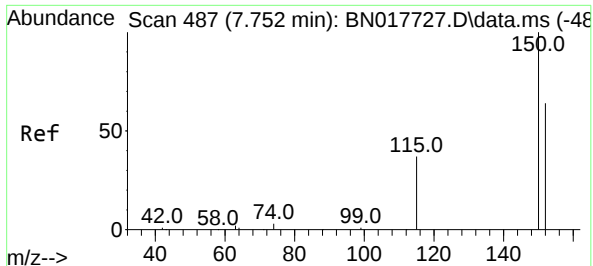
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120621\  
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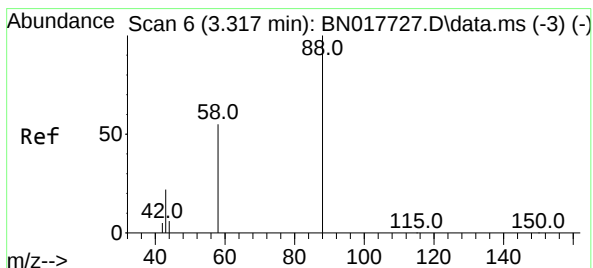
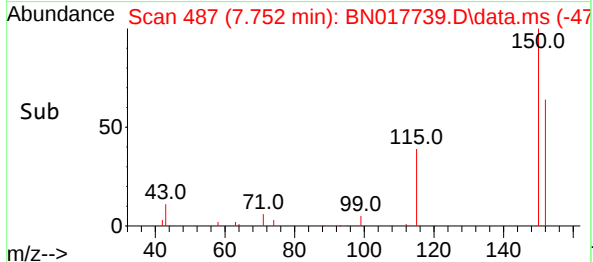
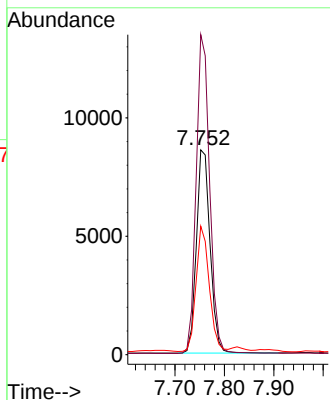
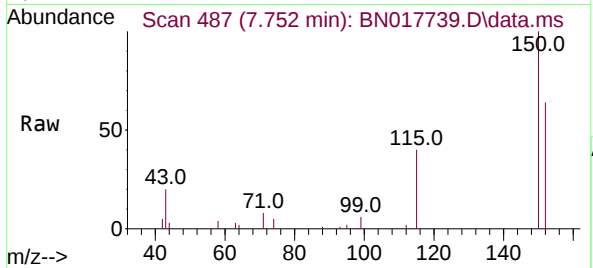




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.752 min Scan# 48  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

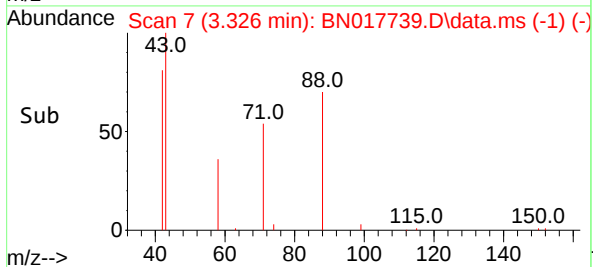
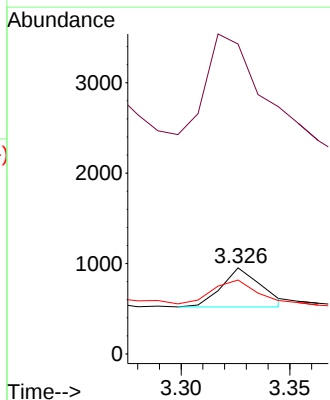
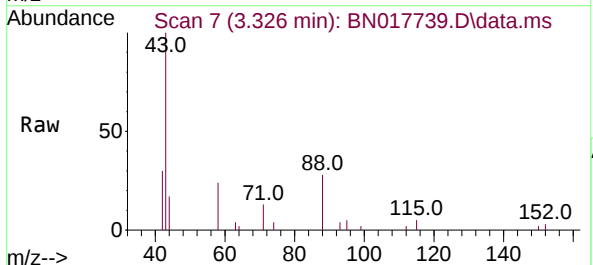
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 BNA\_N  
 ClientSampleId :  
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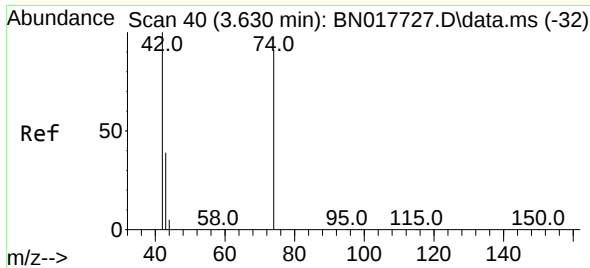
Tgt Ion:152 Resp: 16493  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 123.0 184.4  
 115 62.8 45.6 68.4



#2  
 1,4-Dioxane  
 Concen: 0.050 ng  
 RT: 3.326 min Scan# 7  
 Delta R.T. 0.009 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

Tgt Ion: 88 Resp: 548  
 Ion Ratio Lower Upper  
 88 100  
 43 313.0 24.7 37.1#  
 58 66.4 63.0 94.6

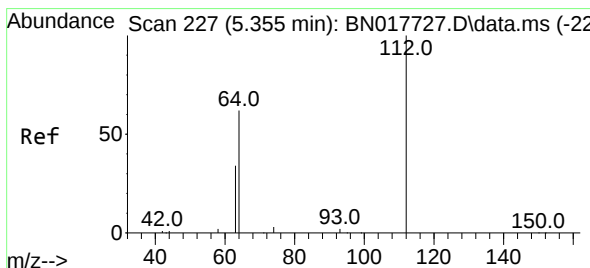
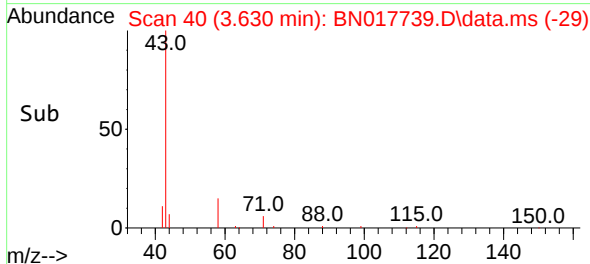
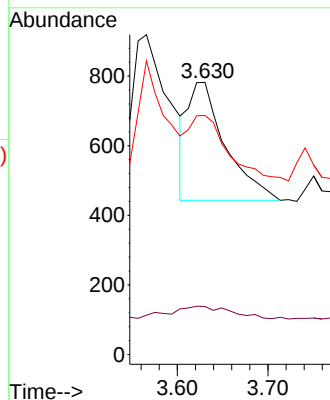
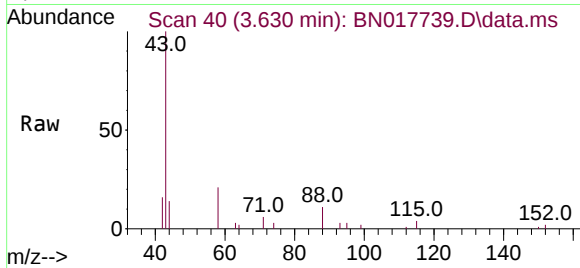




#3  
n-Nitrosodimethylamine  
Concen: 0.063 ng  
RT: 3.630 min Scan# 40  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

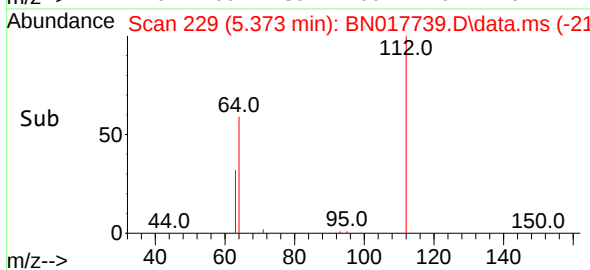
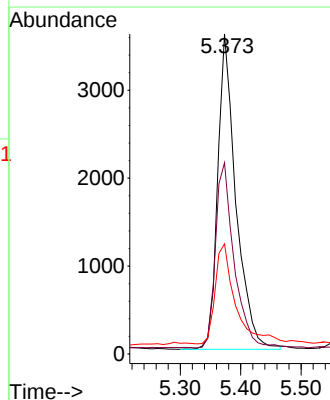
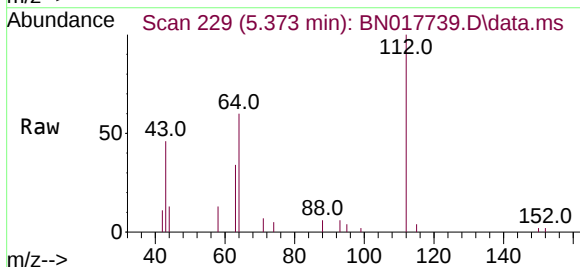
Instrument :  
BNA\_N  
ClientSampleId :  
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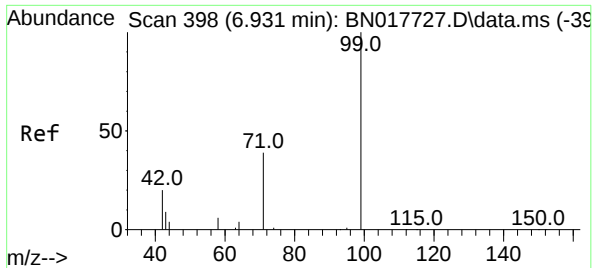
Tgt Ion: 42 Resp: 981  
Ion Ratio Lower Upper  
42 100  
74 16.8 97.8 146.6#  
44 51.3 5.5 8.3#



#4  
2-Fluorophenol  
Concen: 0.213 ng  
RT: 5.373 min Scan# 229  
Delta R.T. 0.018 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion: 112 Resp: 7523  
Ion Ratio Lower Upper  
112 100  
64 59.9 47.6 71.4  
63 35.2 24.6 37.0

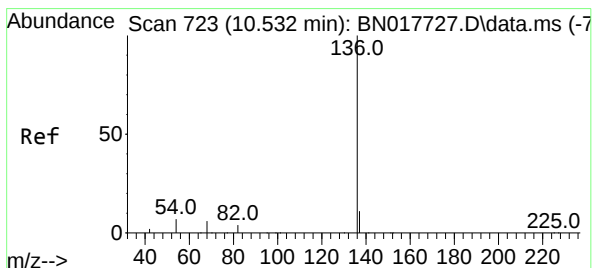
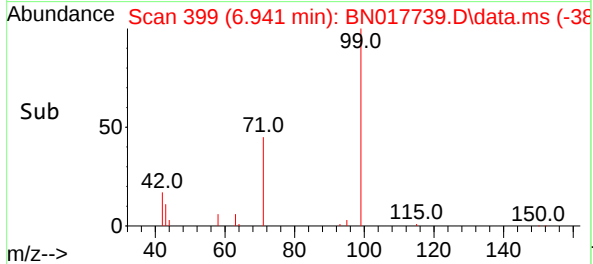
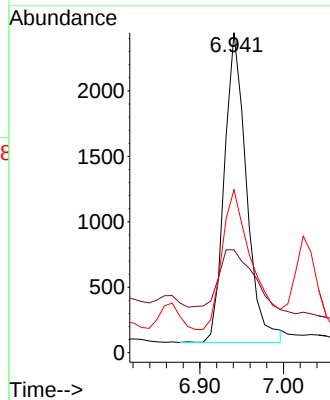
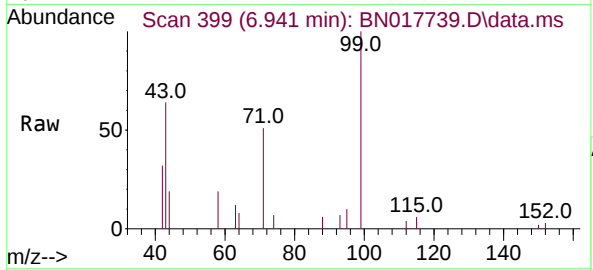




#5  
Phenol-d6  
Concen: 0.114 ng  
RT: 6.941 min Scan# 398  
Delta R.T. 0.009 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

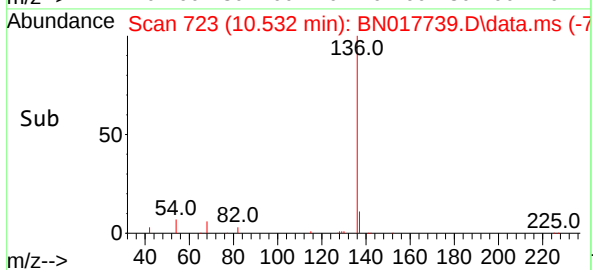
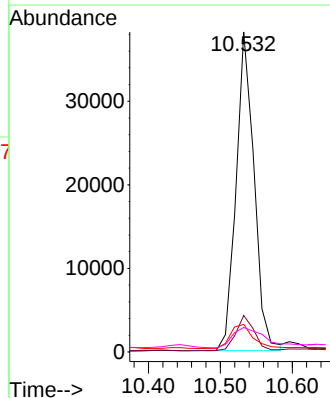
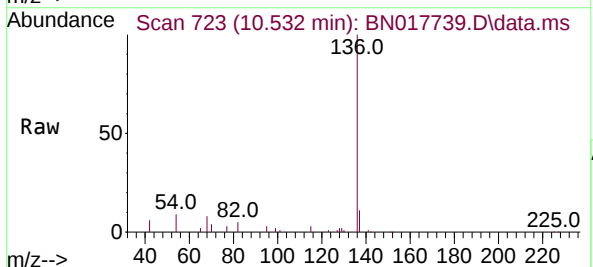
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ClientSampleId :  
MW-36

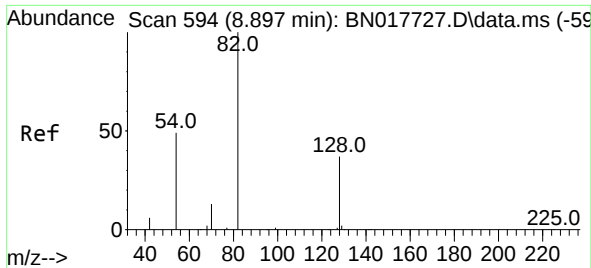
Tgt Ion: 99 Resp: 4329  
Ion Ratio Lower Upper  
99 100  
42 29.7 17.0 25.6#  
71 61.2 24.8 37.2#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.532 min Scan# 723  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion: 136 Resp: 66409  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.8 13.2  
54 8.6 4.0 6.0#  
68 7.7 3.0 4.6#

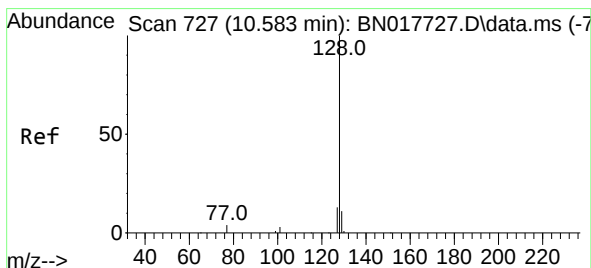
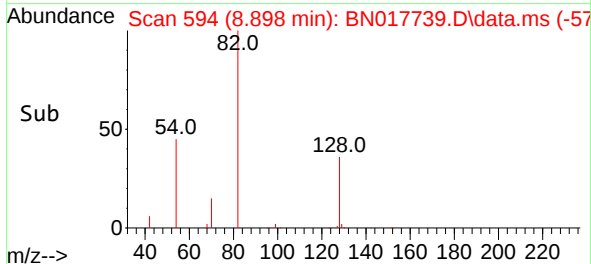
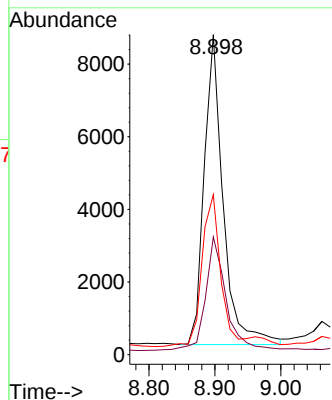
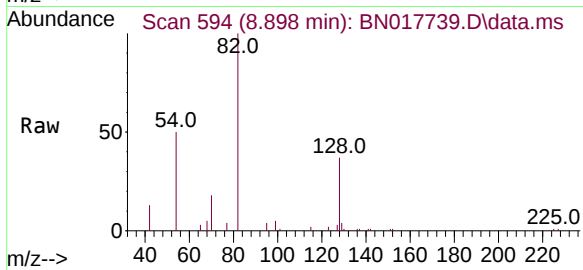




#8  
Nitrobenzene-d5  
Concen: 0.381 ng  
RT: 8.898 min Scan# 594  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

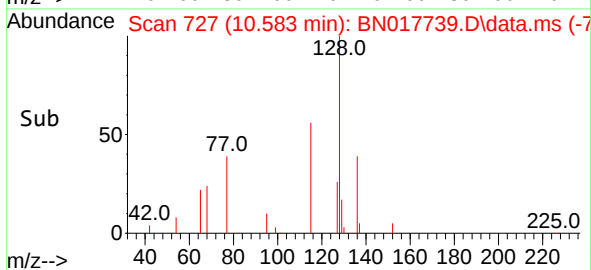
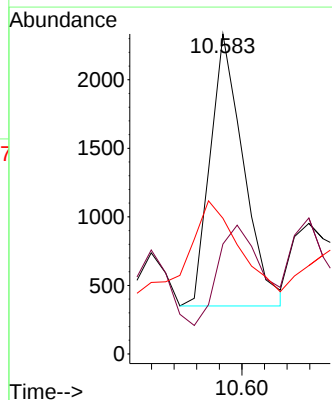
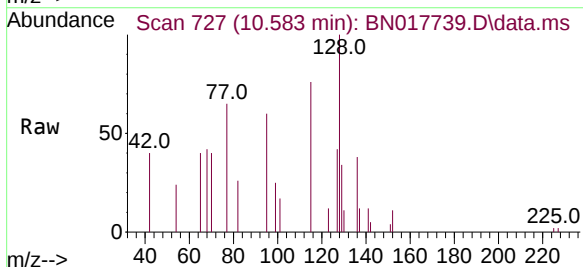
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ClientSampleId :  
MW-36

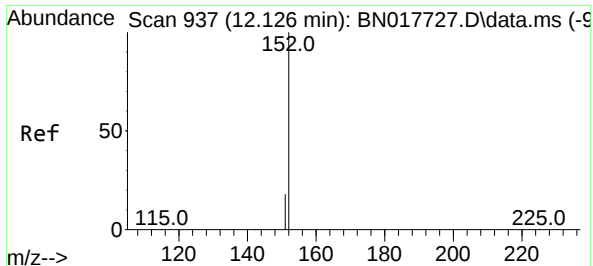
Tgt Ion: 82 Resp: 17124  
Ion Ratio Lower Upper  
82 100  
128 36.8 27.7 41.5  
54 50.0 49.2 73.8



#9  
Naphthalene  
Concen: 0.025 ng  
RT: 10.583 min Scan# 727  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion: 128 Resp: 4062  
Ion Ratio Lower Upper  
128 100  
129 34.4 8.8 13.2#  
127 42.4 10.6 15.8#

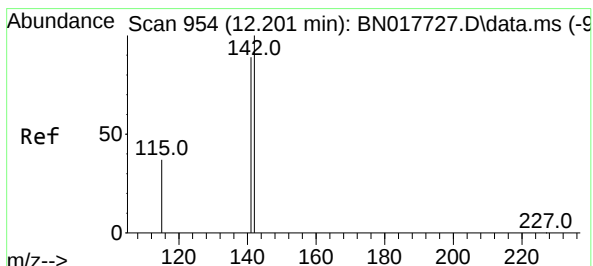
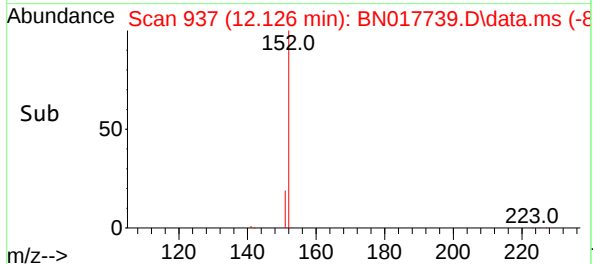
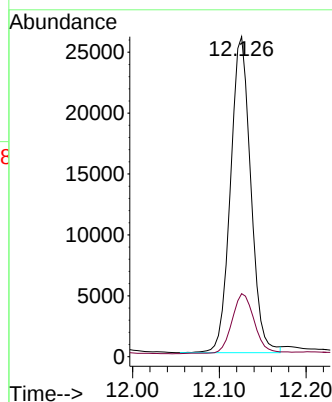
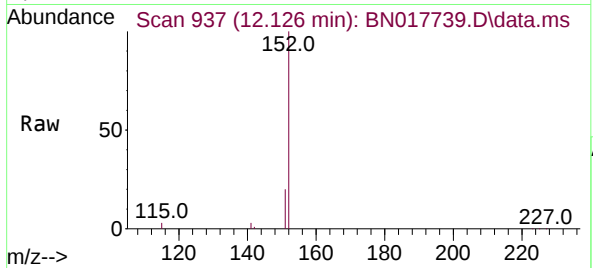




#11  
2-Methylnaphthalene-d10  
Concen: 0.346 ng  
RT: 12.126 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

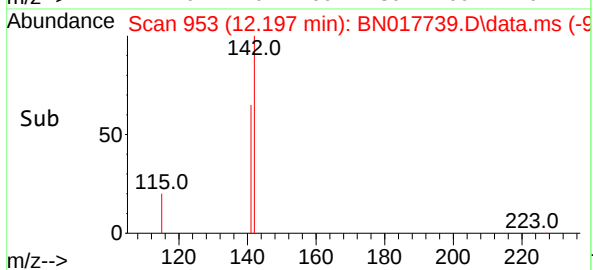
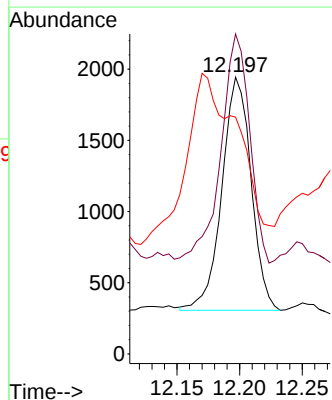
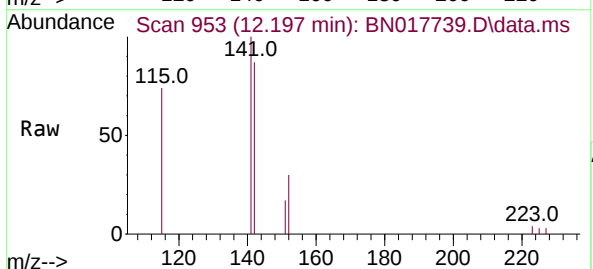
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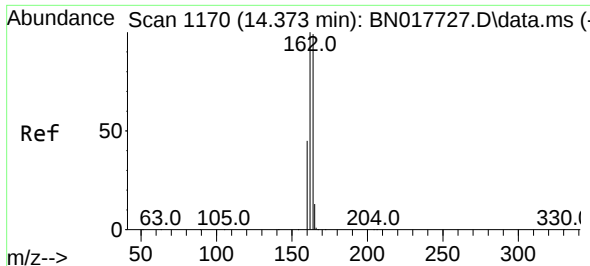
Tgt Ion:152 Resp: 42126  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.4



#12  
2-Methylnaphthalene  
Concen: 0.024 ng  
RT: 12.197 min Scan# 953  
Delta R.T. -0.004 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion:142 Resp: 2656  
Ion Ratio Lower Upper  
142 100  
141 115.6 70.6 106.0#  
115 85.5 25.8 38.6#

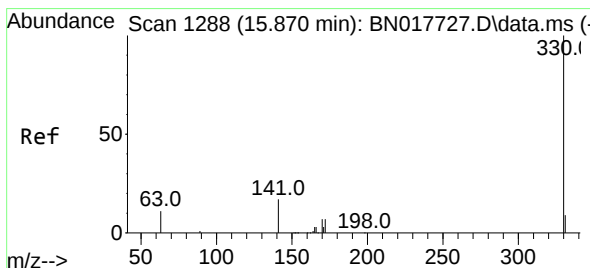
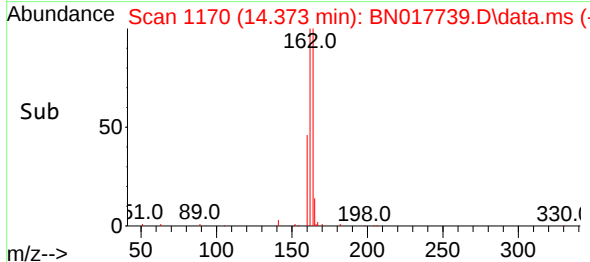
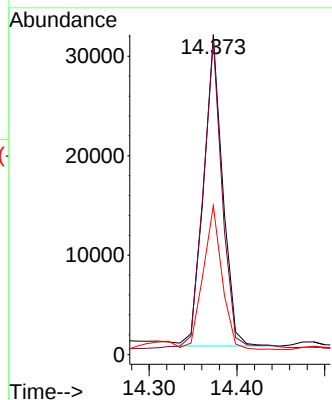
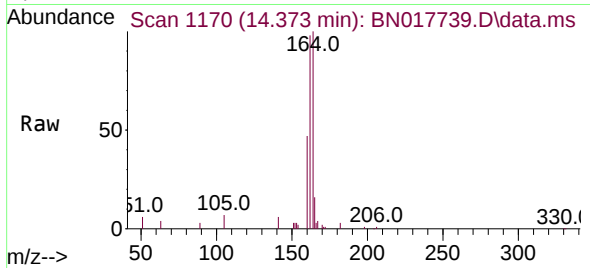




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.373 min Scan# 1170  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

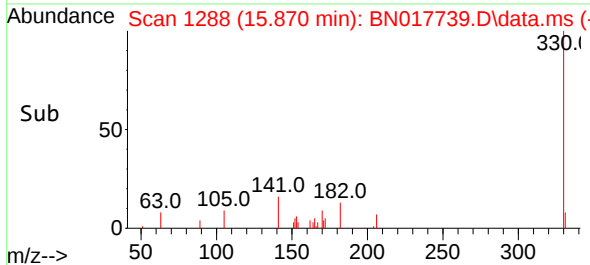
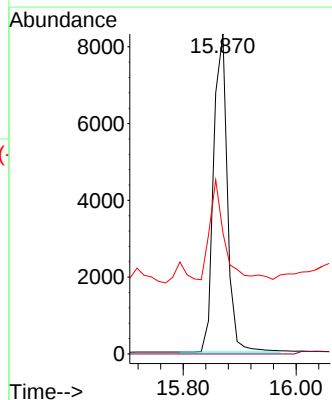
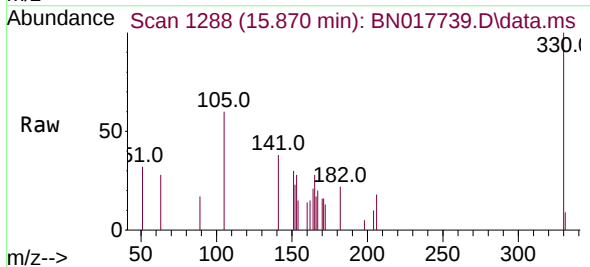
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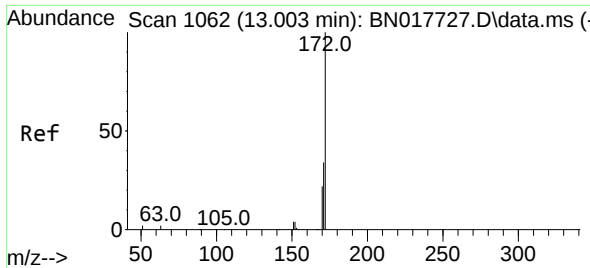
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 Ion Ratio Lower Upper  
 164 100  
 162 98.3 81.4 122.2  
 160 46.5 36.8 55.2



#14  
 2,4,6-Tribromophenol  
 Concen: 0.616 ng  
 RT: 15.870 min Scan# 1288  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

Tgt Ion:330 Resp: 14101  
 Ion Ratio Lower Upper  
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 332 0.0 0.0 0.0  
 141 32.8 28.9 43.3

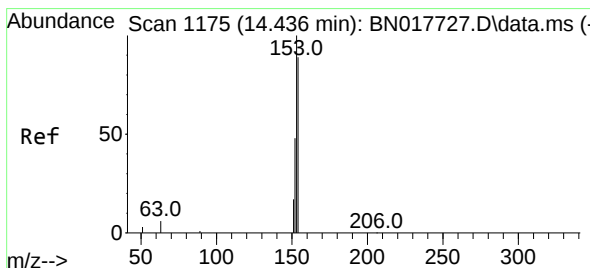
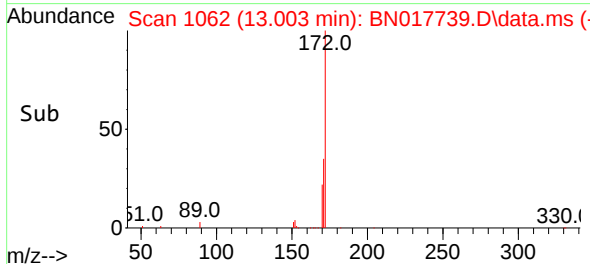
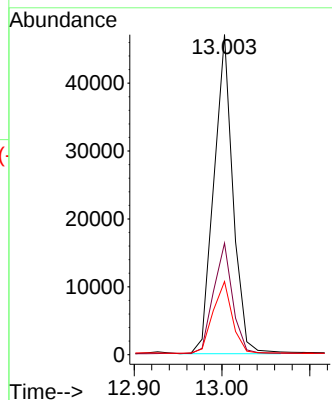
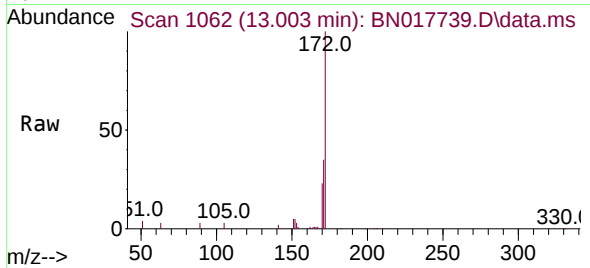




#15  
2-Fluorobiphenyl  
Concen: 0.408 ng  
RT: 13.003 min Scan# 1062  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

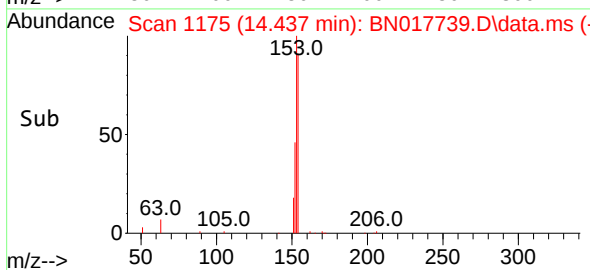
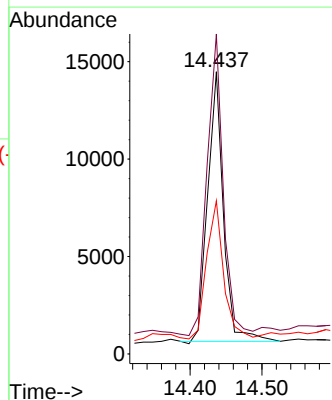
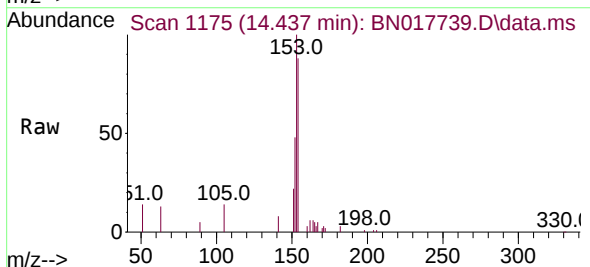
Instrument :  
BNA\_N  
ClientSampleId :  
MW-36

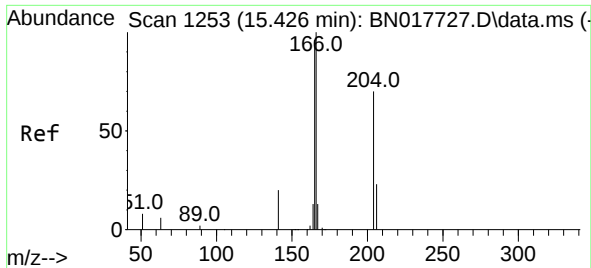
Tgt Ion:172 Resp: 70867  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.7 43.1  
170 22.8 19.4 29.2



#17  
Acenaphthene  
Concen: 0.172 ng  
RT: 14.437 min Scan# 1175  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion:154 Resp: 20964  
Ion Ratio Lower Upper  
154 100  
153 112.9 91.2 136.8  
152 55.7 44.3 66.5

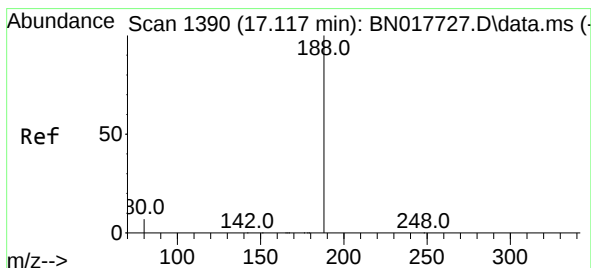
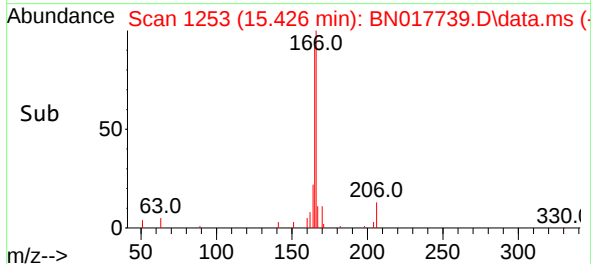
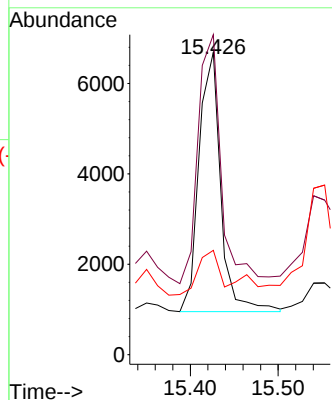
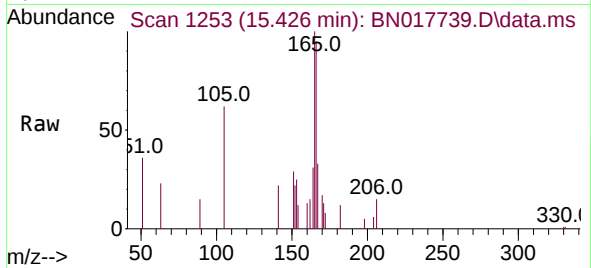




#18  
Fluorene  
Concen: 0.063 ng  
RT: 15.426 min Scan# 1253  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

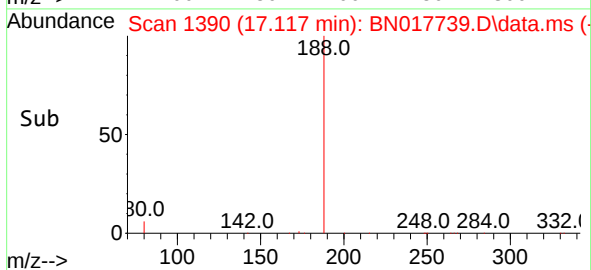
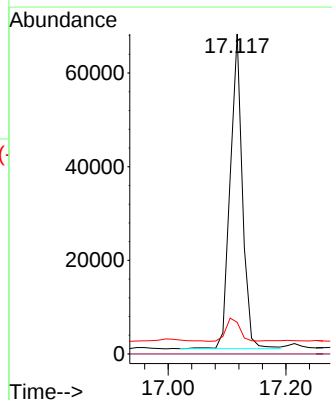
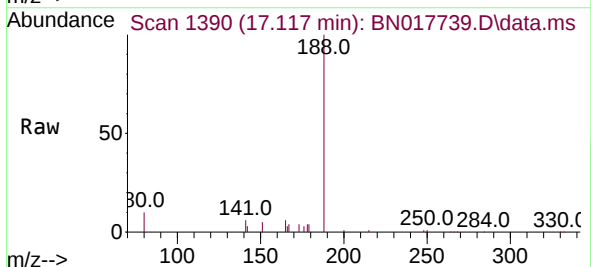
Instrument :  
BNA\_N  
ClientSampleId :  
MW-36

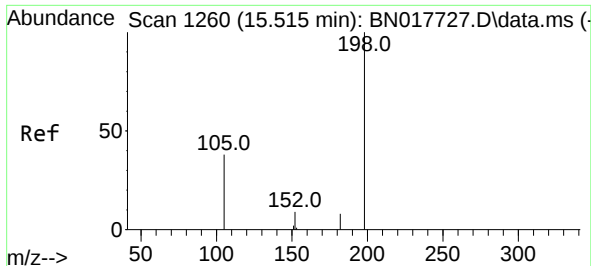
Tgt Ion:166 Resp: 9867  
Ion Ratio Lower Upper  
166 100  
165 102.4 77.9 116.9  
167 19.0 10.9 16.3#



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.117 min Scan# 1390  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion:188 Resp: 97327  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.9 6.1 9.1#





#20

4,6-Dinitro-2-methylphenol

Concen: 0.250 ng

RT: 15.477 min Scan# 1257

Delta R.T. -0.038 min

Lab File: BN017739.D

Acq: 06 Dec 2021 19:55

Instrument :

BNA\_N

ClientSampleId :

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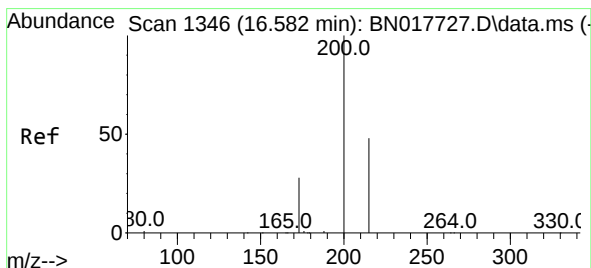
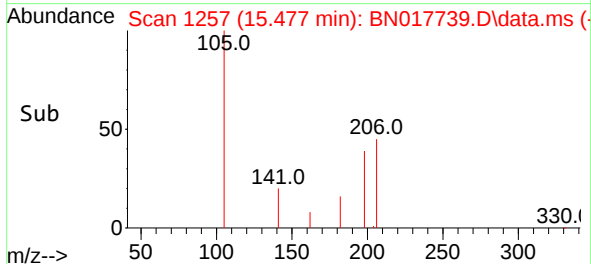
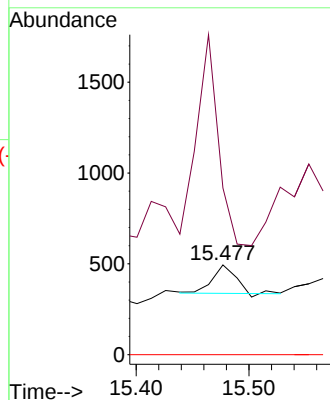
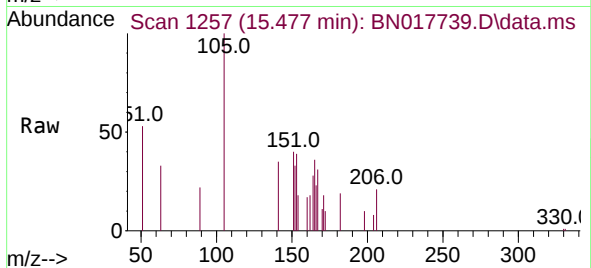
Tgt Ion:198 Resp: 222

Ion Ratio Lower Upper

198 100

182 185.8 11.4 17.2#

77 0.0 0.0 0.0



#23

Atrazine

Concen: 0.109 ng

RT: 16.582 min Scan# 1346

Delta R.T. -0.000 min

Lab File: BN017739.D

Acq: 06 Dec 2021 19:55

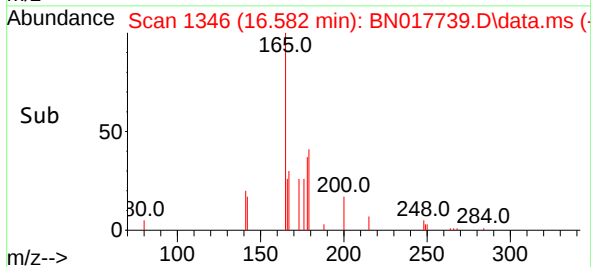
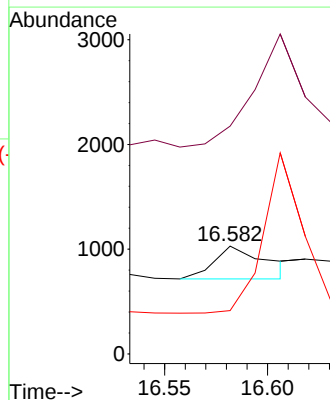
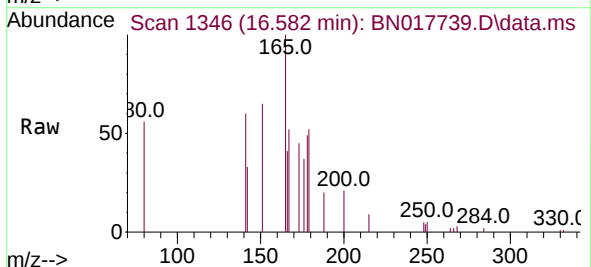
Tgt Ion:200 Resp: 554

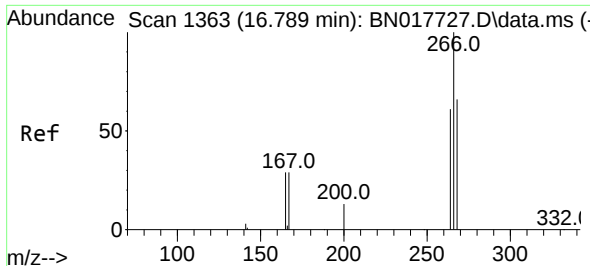
Ion Ratio Lower Upper

200 100

173 211.2 17.6 26.4#

215 40.1 40.2 60.4#

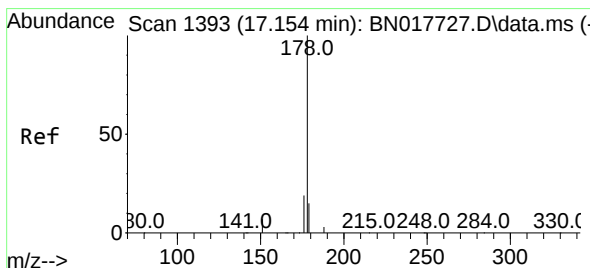
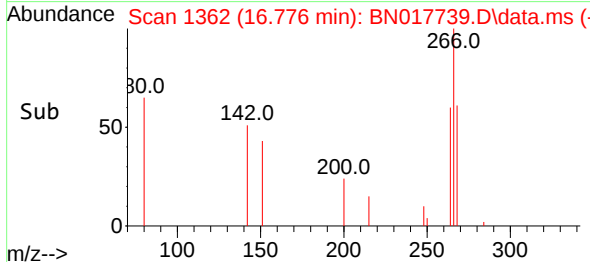
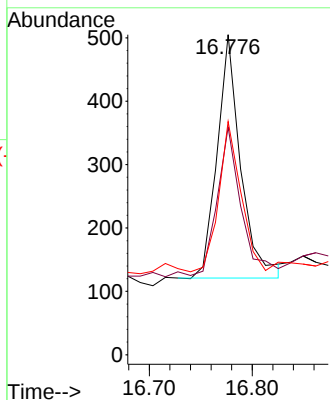
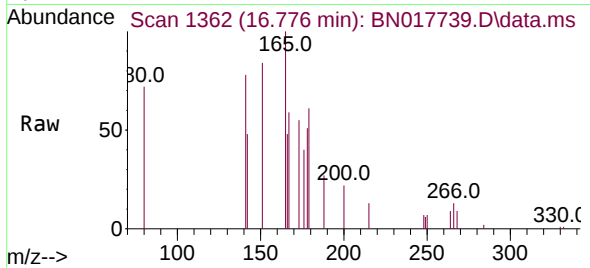




#24  
 Pentachlorophenol  
 Concen: 0.202 ng  
 RT: 16.776 min Scan# 1362  
 Delta R.T. -0.013 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

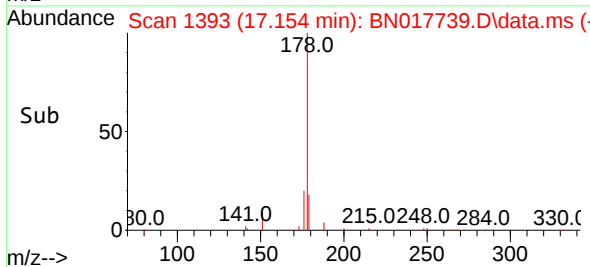
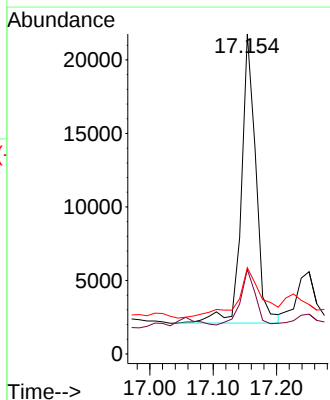
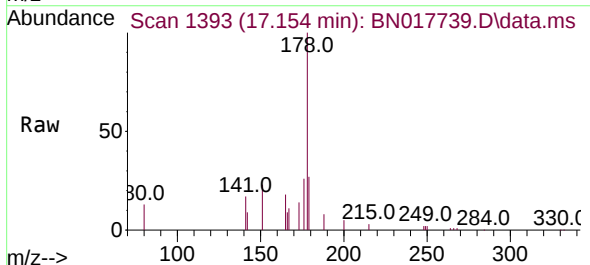
Instrument :  
 BNA\_N  
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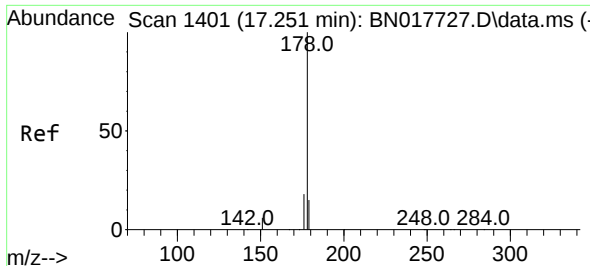
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 610  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 64.4  | 49.8  | 74.8 |
| 268       | 61.3  | 51.3  | 76.9 |



#25  
 Phenanthrene  
 Concen: 0.122 ng  
 RT: 17.154 min Scan# 1393  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 31231 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 20.0  | 15.0  | 22.6  |
| 179       | 29.9  | 12.3  | 18.5  |

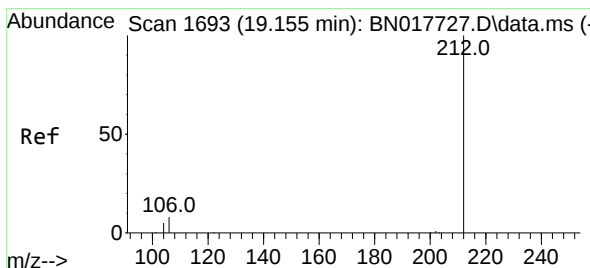
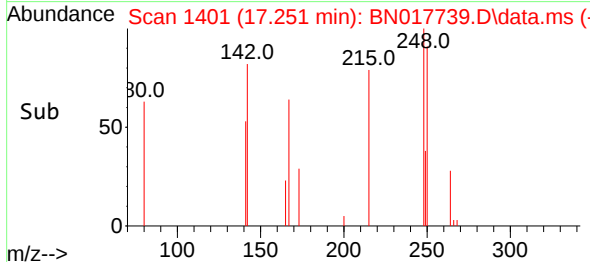
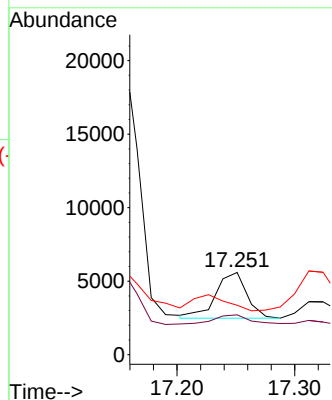
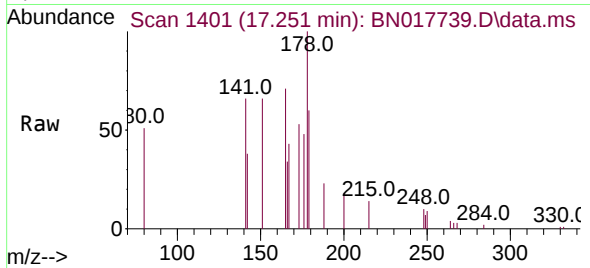




#26  
 Anthracene  
 Concen: 0.025 ng  
 RT: 17.251 min Scan# 1401  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

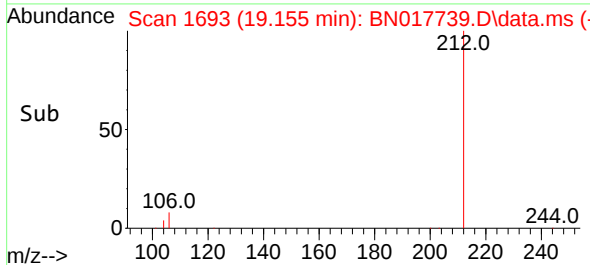
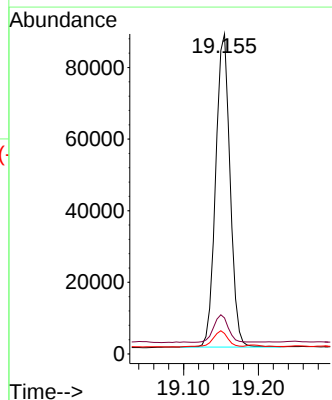
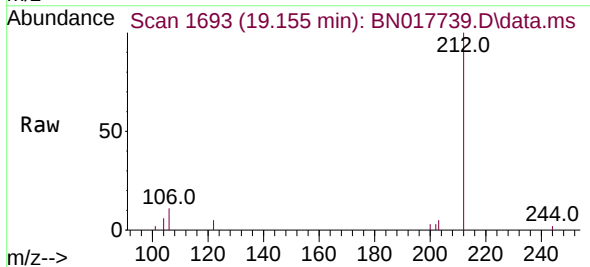
Instrument :  
 BNA\_N  
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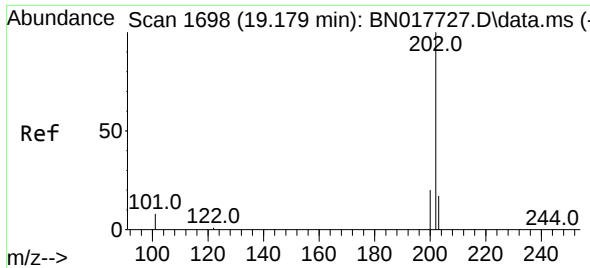
Tgt Ion:178 Resp: 5697  
 Ion Ratio Lower Upper  
 178 100  
 176 22.6 14.6 22.0#  
 179 0.0 12.2 18.4#



#27  
 Fluoranthene-d10  
 Concen: 0.357 ng  
 RT: 19.155 min Scan# 1693  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

Tgt Ion:212 Resp: 116873  
 Ion Ratio Lower Upper  
 212 100  
 106 8.8 10.5 15.7#  
 104 5.4 5.8 8.6#

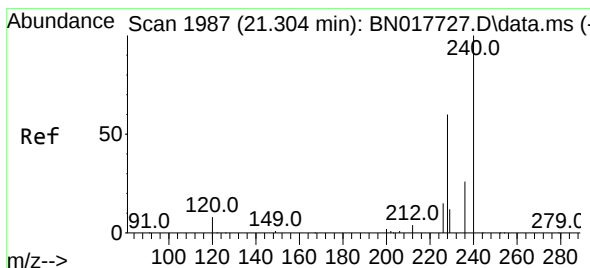
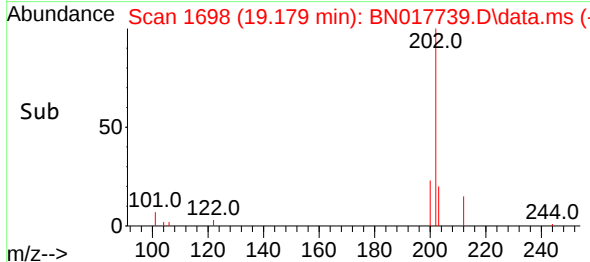
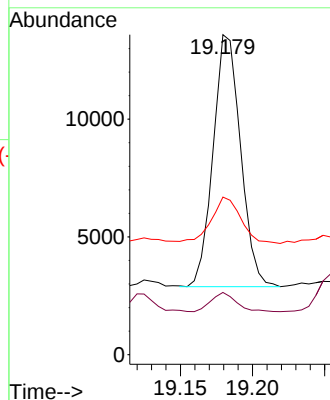
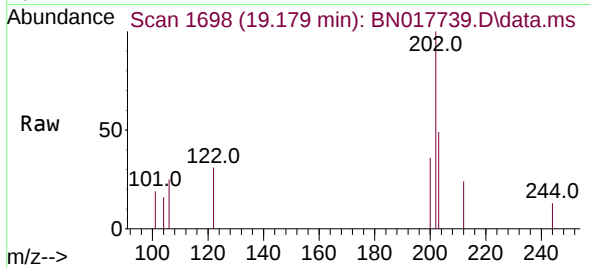




#28  
Fluoranthene  
Concen: 0.046 ng  
RT: 19.179 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

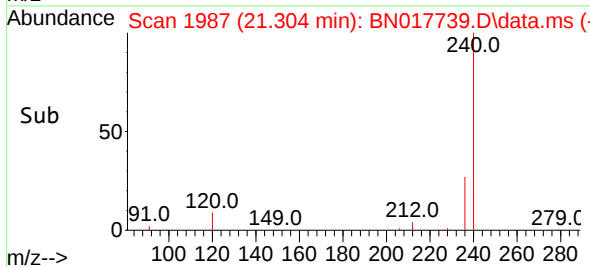
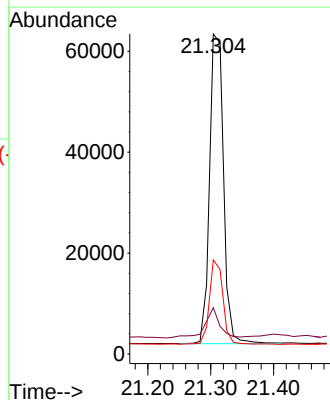
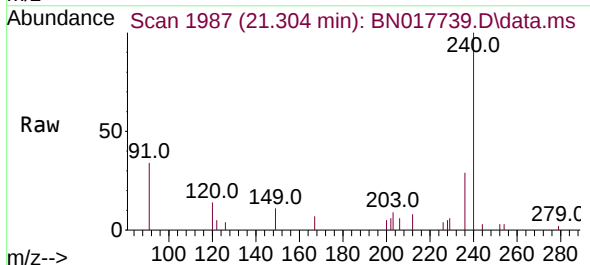
Instrument :  
BNA\_N  
ClientSampleId :  
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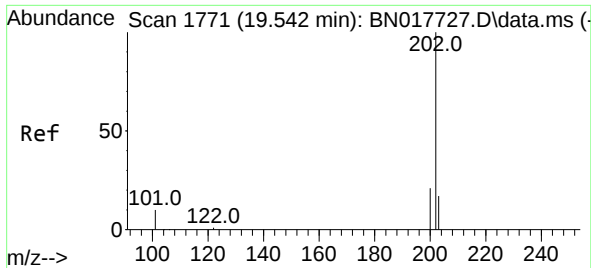
Tgt Ion:202 Resp: 14154  
Ion Ratio Lower Upper  
202 100  
101 7.0 8.9 13.3#  
203 19.8 13.8 20.6



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.304 min Scan# 1987  
Delta R.T. 0.000 min  
Lab File: BN017739.D  
Acq: 06 Dec 2021 19:55

Tgt Ion:240 Resp: 94564  
Ion Ratio Lower Upper  
240 100  
120 14.4 4.2 6.2#  
236 29.4 20.0 30.0

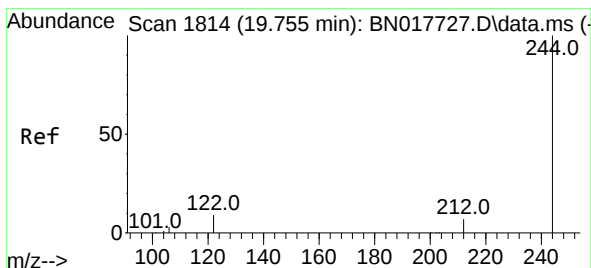
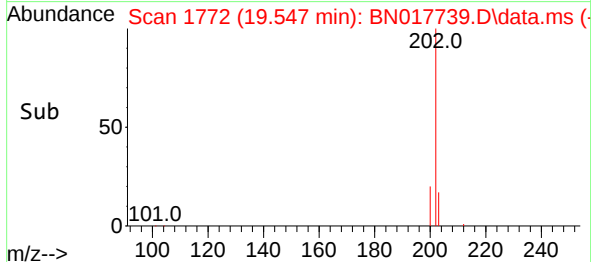
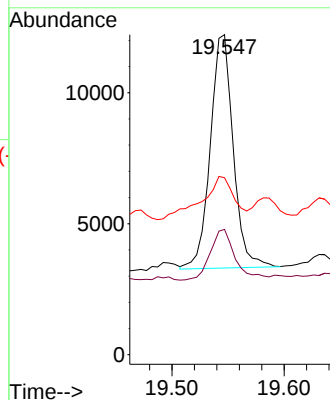
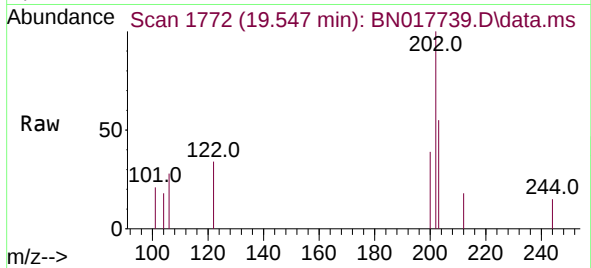




#30  
 Pyrene  
 Concen: 0.036 ng  
 RT: 19.547 min Scan# 1771  
 Delta R.T. 0.005 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

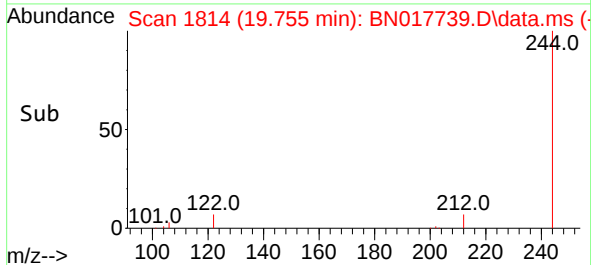
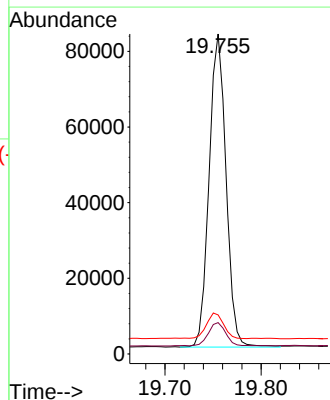
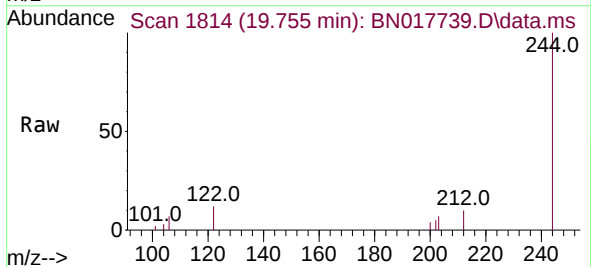
Instrument :  
 BNA\_N  
 ClientSampleId :  
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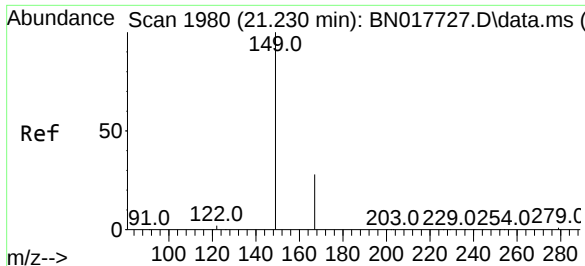
Tgt Ion:202 Resp: 12682  
 Ion Ratio Lower Upper  
 202 100  
 200 23.7 16.5 24.7  
 203 26.2 14.0 21.0#



#31  
 Terphenyl-d14  
 Concen: 0.417 ng  
 RT: 19.755 min Scan# 1814  
 Delta R.T. 0.000 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

Tgt Ion:244 Resp: 101091  
 Ion Ratio Lower Upper  
 244 100  
 212 9.8 5.7 8.5#  
 122 12.2 8.6 13.0

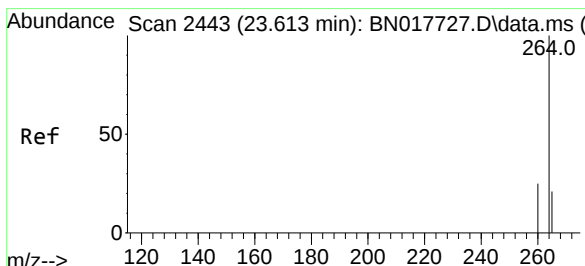
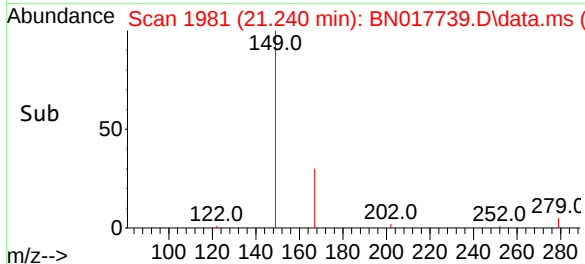
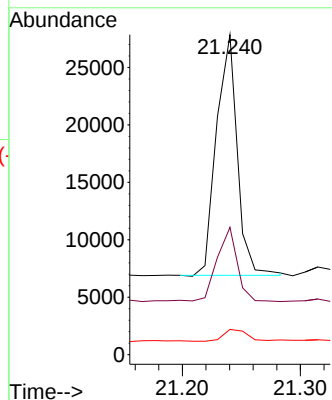
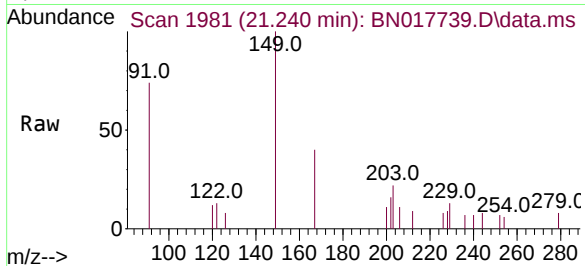




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.172 ng  
 RT: 21.240 min Scan# 1981  
 Delta R.T. 0.011 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

Instrument :  
 BNA\_N  
 ClientSampleId :  
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Tgt Ion:149 Resp: 25633  
 Ion Ratio Lower Upper  
 149 100  
 167 30.7 21.8 32.6  
 279 5.6 3.4 5.0#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.617 min Scan# 2444  
 Delta R.T. 0.003 min  
 Lab File: BN017739.D  
 Acq: 06 Dec 2021 19:55

Tgt Ion:264 Resp: 90557  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 19.4 29.2  
 265 26.8 18.6 28.0

