

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032122\  
 Data File : BN019043.D  
 Acq On : 22 Mar 2022 04:42  
 Operator : CG/JU  
 Sample : N2000-21  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DUP06-20220316

Quant Time: Mar 22 05:19:54 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 17 13:18:23 2022  
 Response via : Initial Calibration

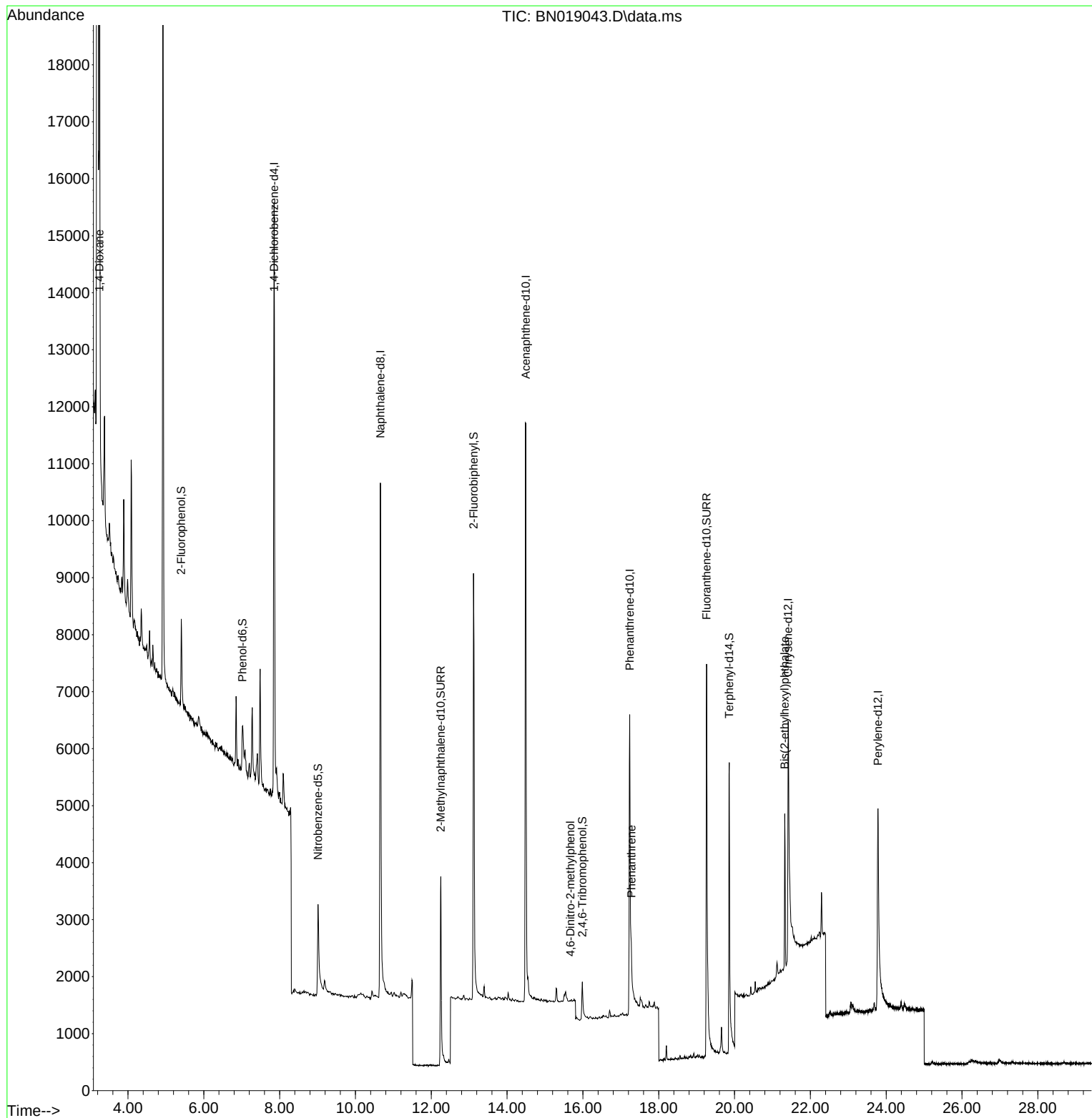
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 5593     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.658 | 136  | 14170    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.495 | 164  | 7285     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.236 | 188  | 11190    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.413 | 240  | 8330     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.782 | 264  | 7797     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.406  | 112  | 1441     | 0.115 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.017  | 99   | 737      | 0.056 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.014  | 82   | 2188     | 0.214 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.250 | 152  | 5480     | 0.233 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.985 | 330  | 562      | 0.160 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.116 | 172  | 7948     | 0.272 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.261 | 212  | 10869    | 0.327 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.860 | 244  | 8073     | 0.395 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.247  | 88   | 9433     | 1.365 | ng    | # 95     |
| 20) 4,6-Dinitro-2-methylph... | 15.671 | 198  | 4        | 0.111 | ng    | # 1      |
| 25) Phenanthrene              | 17.277 | 178  | 736      | 0.021 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.324 | 149  | 2543     | 0.149 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

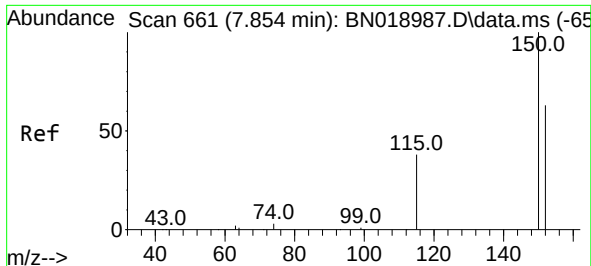
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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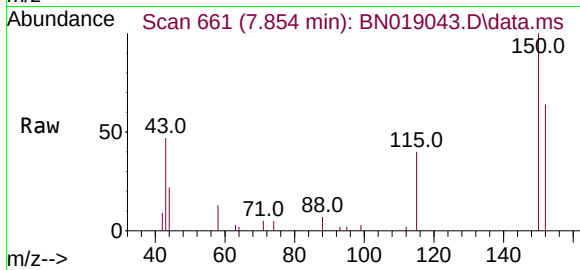
Quant Time: Mar 22 05:19:54 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN031722.M  
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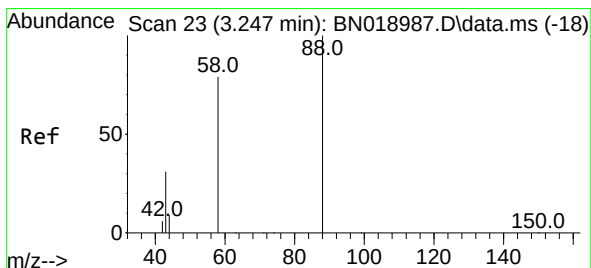
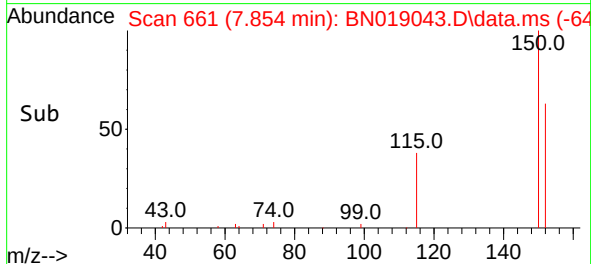
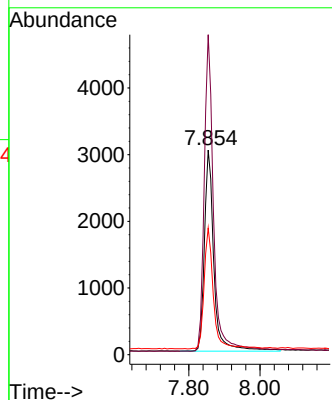
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.854 min Scan# 661  
 Delta R.T. 0.000 min  
 Lab File: BN019043.D  
 Acq: 22 Mar 2022 04:42

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Tgt Ion:152 Resp: 5593

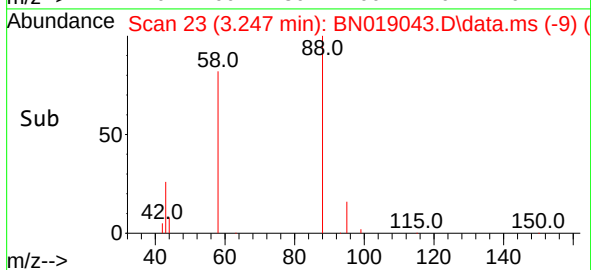
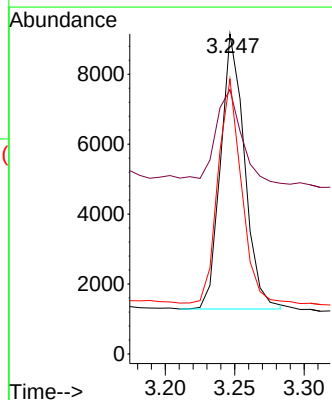
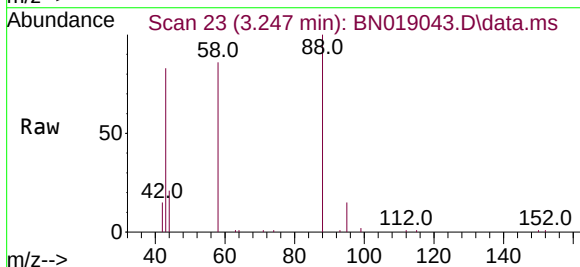
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 156.4 | 123.9 | 185.9 |
| 115 | 62.0  | 48.2  | 72.4  |

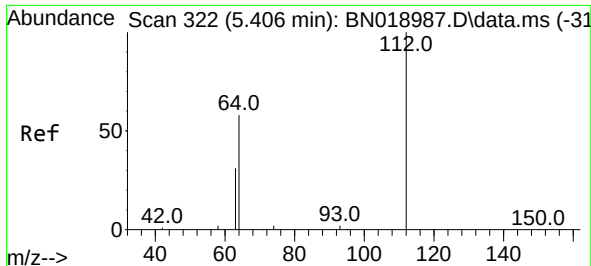


#2  
 1,4-Dioxane  
 Concen: 1.365 ng  
 RT: 3.247 min Scan# 23  
 Delta R.T. 0.000 min  
 Lab File: BN019043.D  
 Acq: 22 Mar 2022 04:42

Tgt Ion: 88 Resp: 9433

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 37.4  | 24.6  | 37.0# |
| 58  | 79.4  | 65.4  | 98.2  |

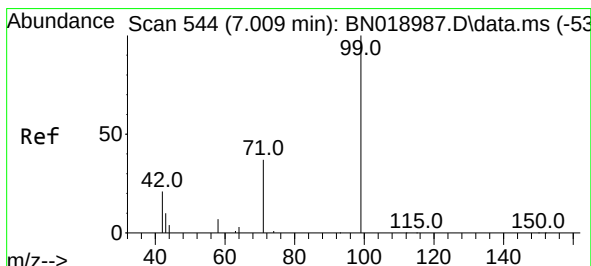
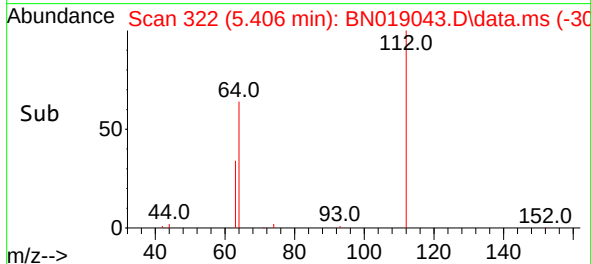
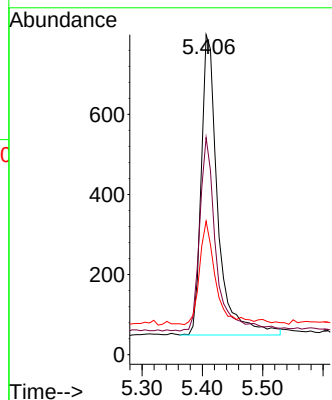
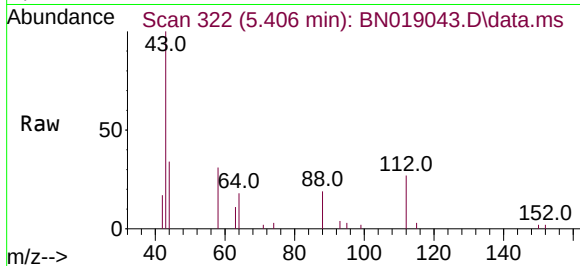




#4  
2-Fluorophenol  
Concen: 0.115 ng  
RT: 5.406 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

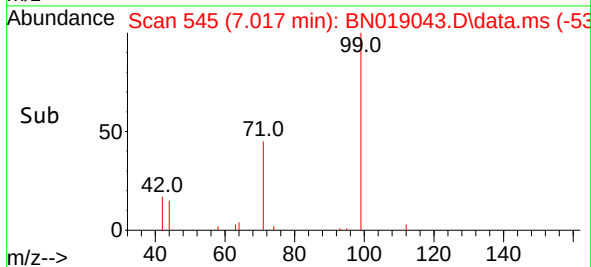
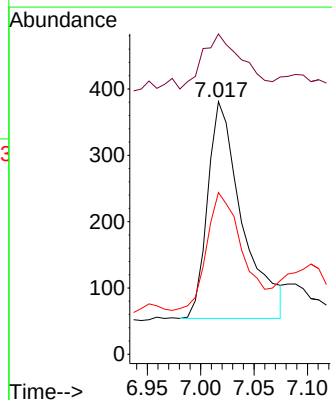
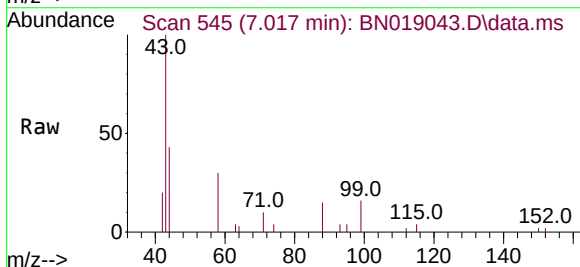
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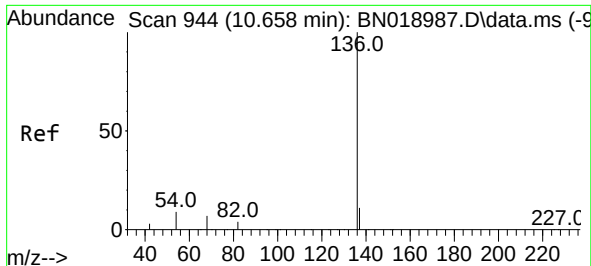
Tgt Ion:112 Resp: 1441  
Ion Ratio Lower Upper  
112 100  
64 63.4 47.8 71.8  
63 33.2 25.7 38.5



#5  
Phenol-d6  
Concen: 0.056 ng  
RT: 7.017 min Scan# 545  
Delta R.T. 0.007 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Tgt Ion: 99 Resp: 737  
Ion Ratio Lower Upper  
99 100  
42 28.8 16.2 24.4#  
71 55.4 27.7 41.5#

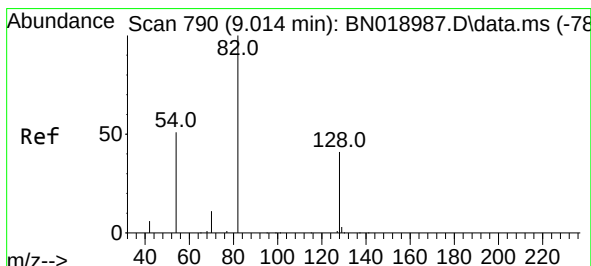
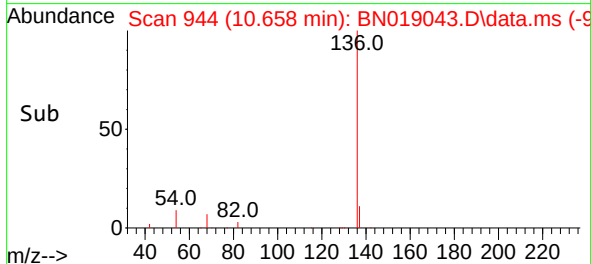
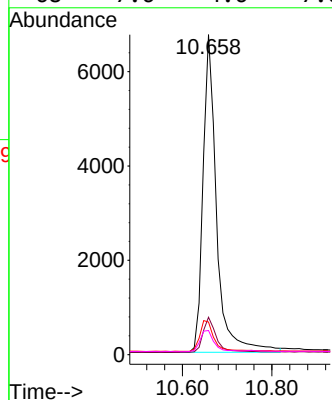
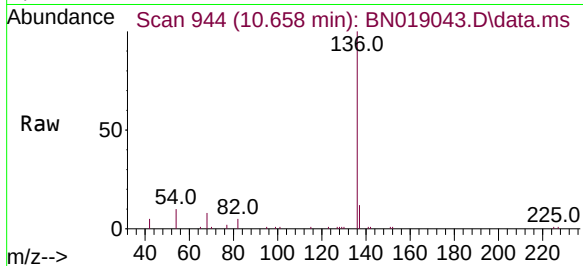




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.658 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

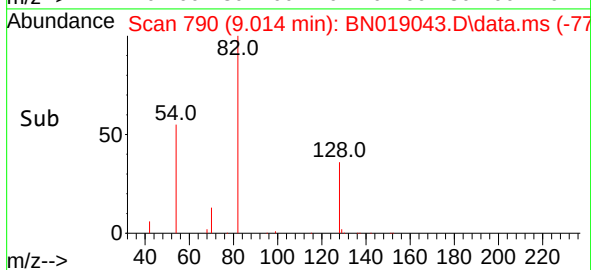
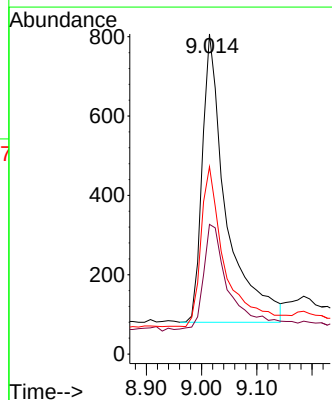
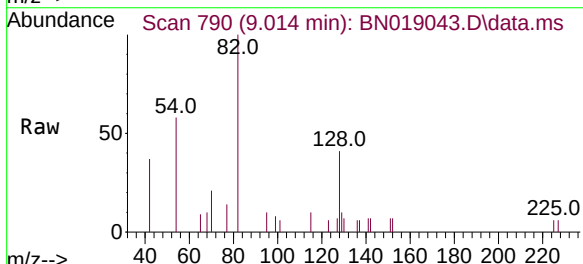
Instrument :  
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ClientSampleId :  
DUP06-20220316

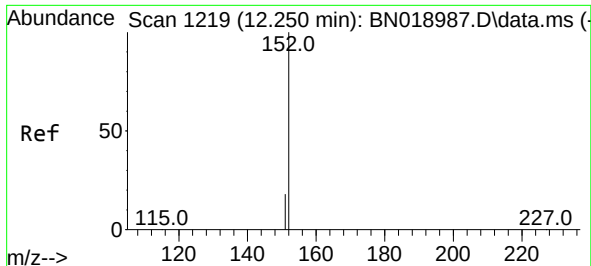
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14170 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.7  | 9.0   | 13.4  |
| 54       | 10.2  | 5.8   | 8.6#  |
| 68       | 7.6   | 4.6   | 7.0#  |



#8  
Nitrobenzene-d5  
Concen: 0.214 ng  
RT: 9.014 min Scan# 790  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2188  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 40.5  | 33.0  | 49.6  |
| 54       | 58.5  | 42.5  | 63.7  |

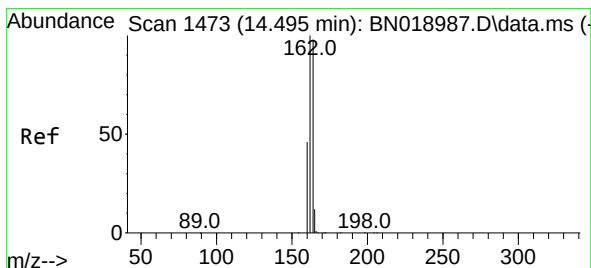
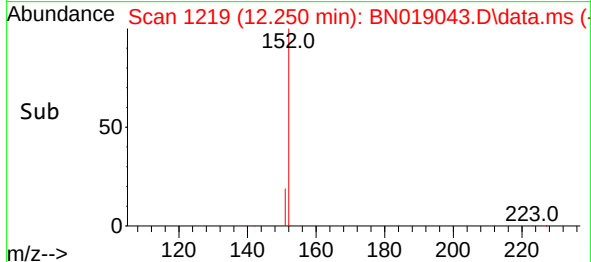
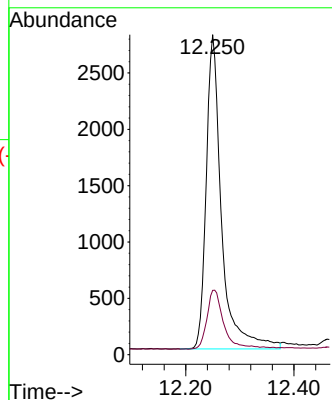
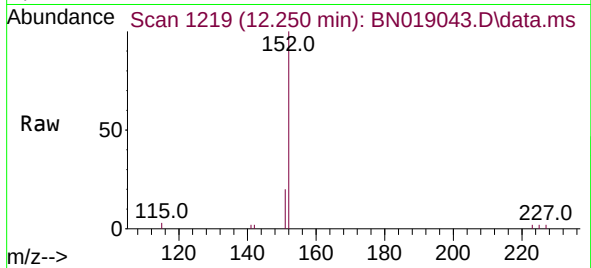




#11  
2-Methylnaphthalene-d10  
Concen: 0.233 ng  
RT: 12.250 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

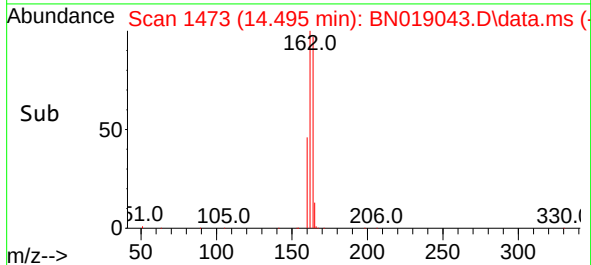
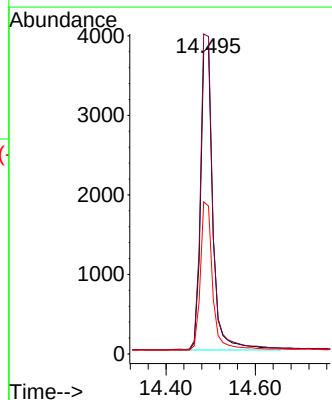
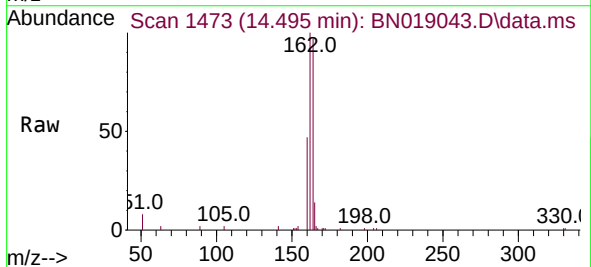
Instrument :  
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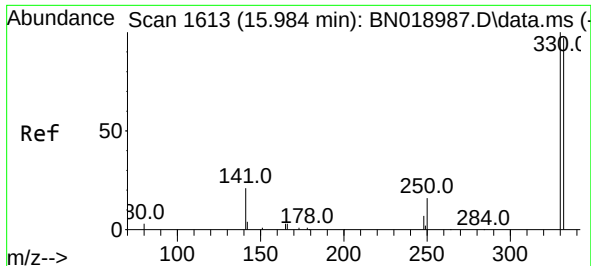
Tgt Ion:152 Resp: 5480  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.5 24.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 1473  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Tgt Ion:164 Resp: 7285  
Ion Ratio Lower Upper  
164 100  
162 103.4 85.2 127.8  
160 48.2 41.5 62.3

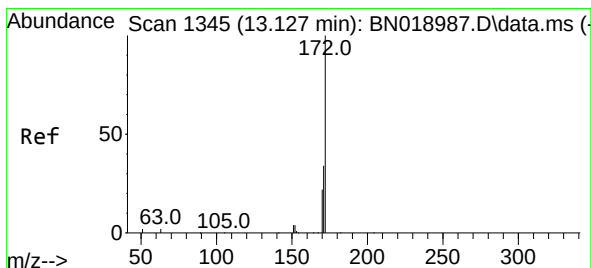
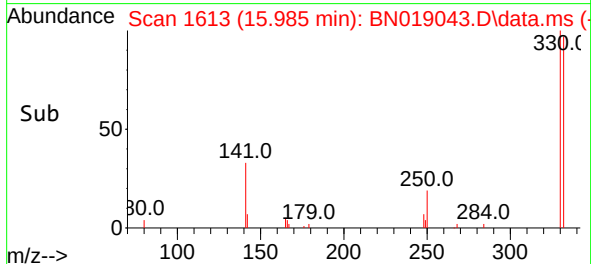
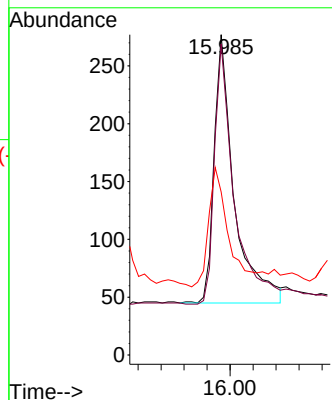
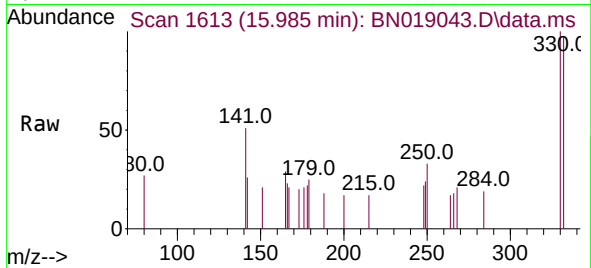




#14  
2,4,6-Tribromophenol  
Concen: 0.160 ng  
RT: 15.985 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

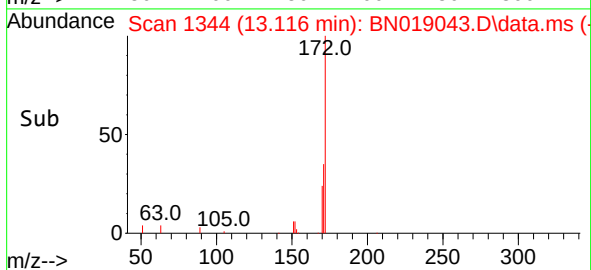
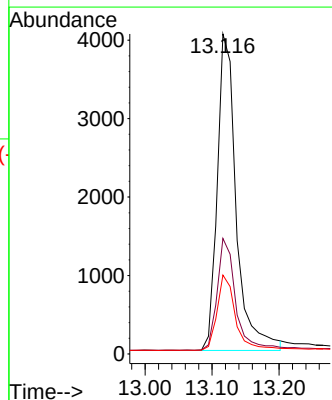
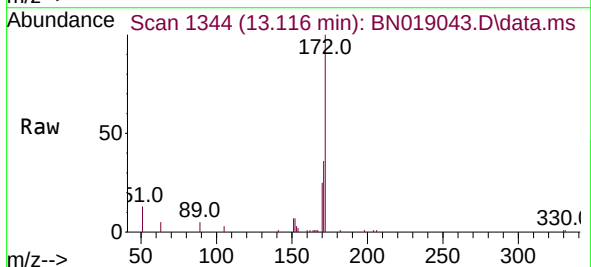
Instrument :  
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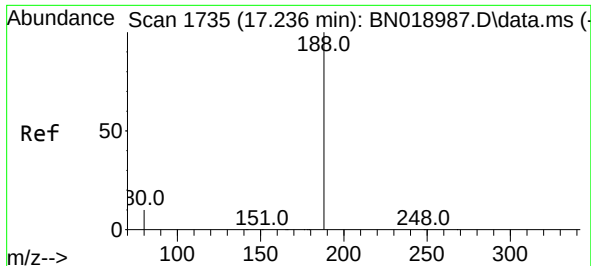
Tgt Ion:330 Resp: 562  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.8 115.2  
141 44.3 32.2 48.2



#15  
2-Fluorobiphenyl  
Concen: 0.272 ng  
RT: 13.116 min Scan# 1344  
Delta R.T. -0.011 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Tgt Ion:172 Resp: 7948  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.2 42.2  
170 24.6 18.7 28.1

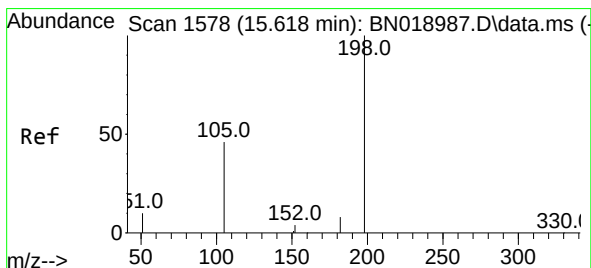
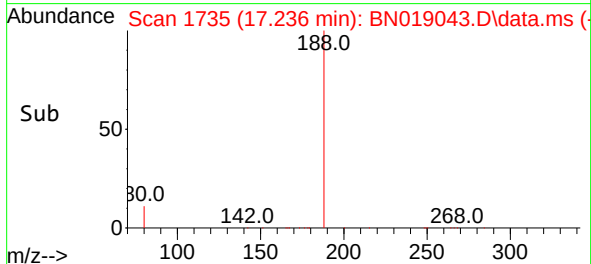
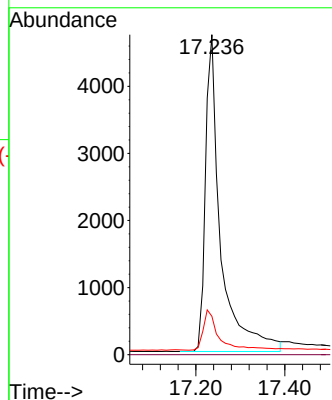
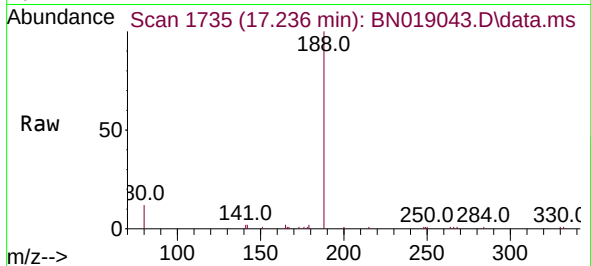




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.236 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

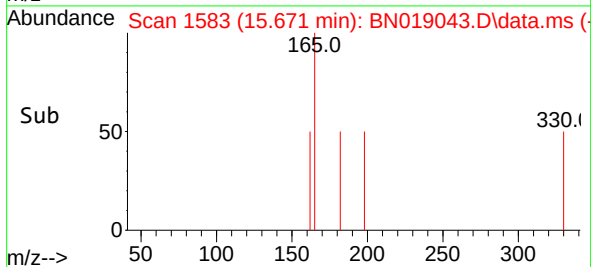
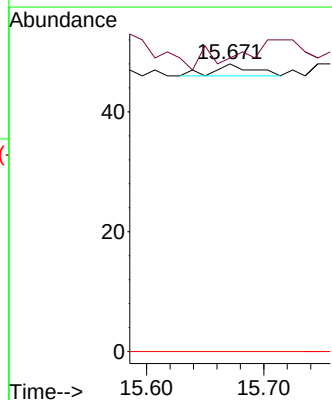
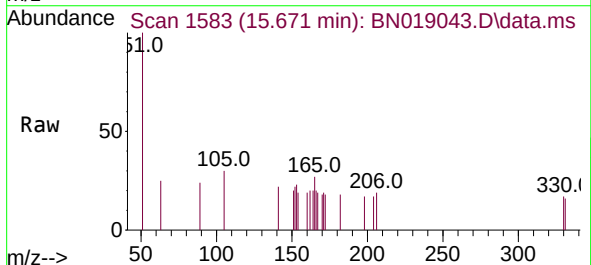
Instrument :  
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Tgt Ion:188 Resp: 11190  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.0 11.8 17.8

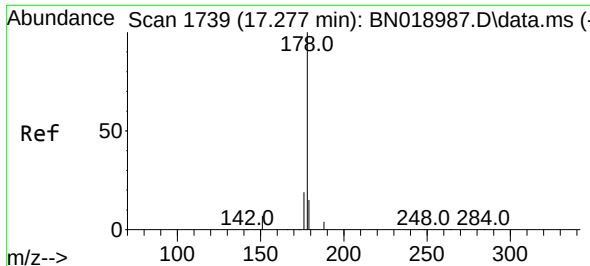


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.111 ng  
RT: 15.671 min Scan# 1583  
Delta R.T. 0.053 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
182 102.1 13.0 19.4#  
77 0.0 0.0 0.0



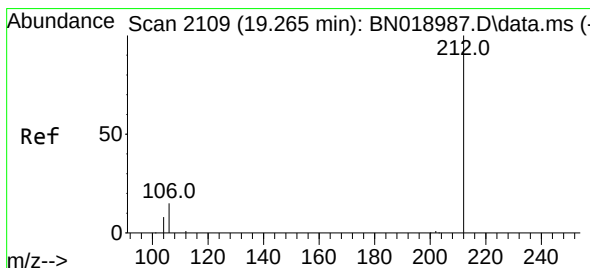
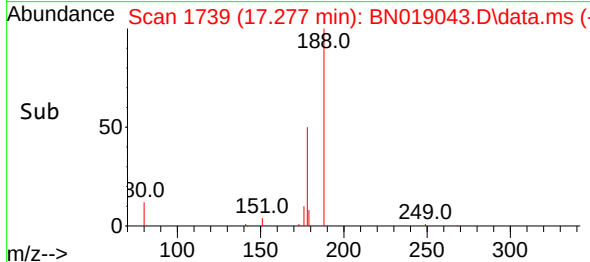
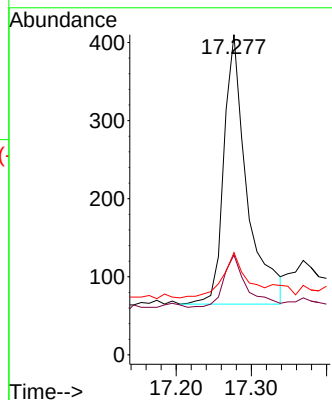
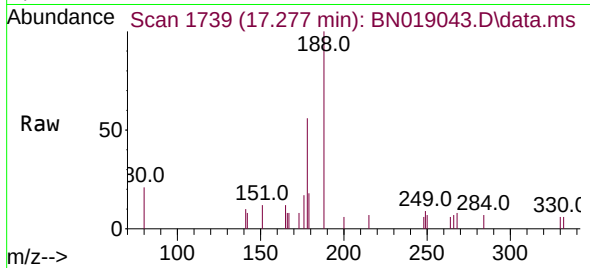




#25  
Phenanthrene  
Concen: 0.021 ng  
RT: 17.277 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

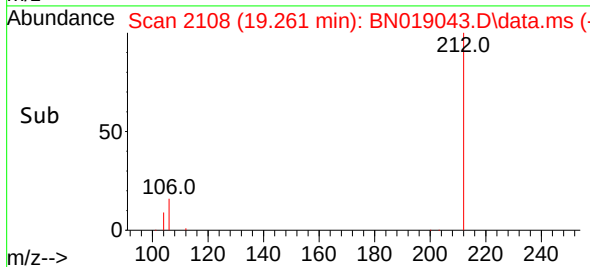
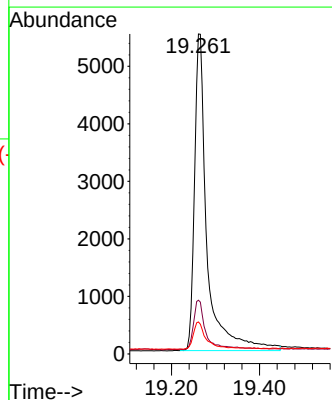
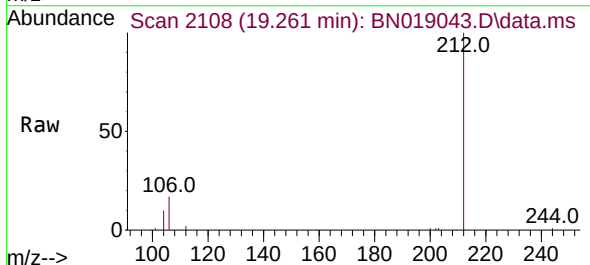
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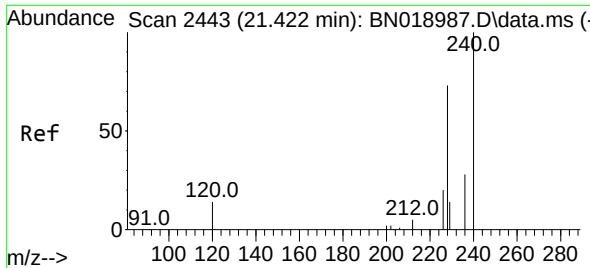
Tgt Ion:178 Resp: 736  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.4 23.0  
179 17.5 12.2 18.2



#27  
Fluoranthene-d10  
Concen: 0.327 ng  
RT: 19.261 min Scan# 2108  
Delta R.T. -0.004 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Tgt Ion:212 Resp: 10869  
Ion Ratio Lower Upper  
212 100  
106 15.8 12.7 19.1  
104 8.9 7.1 10.7





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.413 min Scan# 2443

Delta R.T. -0.009 min

Lab File: BN019043.D

Acq: 22 Mar 2022 04:42

Instrument :

BNA\_N

ClientSampleId :

DUP06-20220316

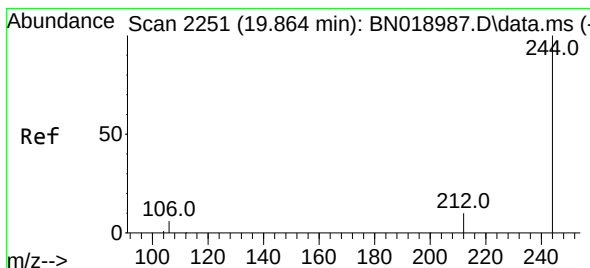
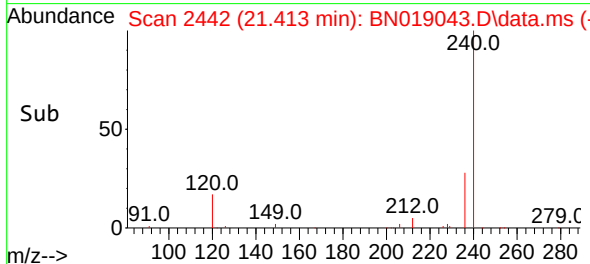
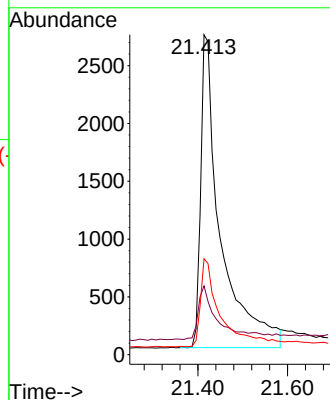
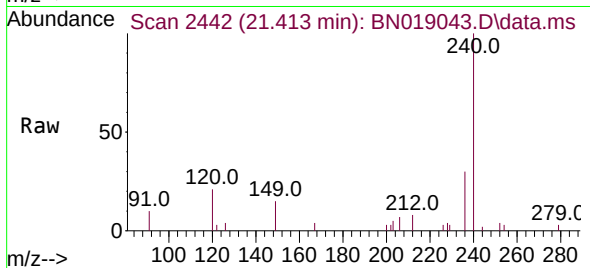
Tgt Ion:240 Resp: 8330

Ion Ratio Lower Upper

240 100

120 21.5 8.5 12.7#

236 30.0 22.4 33.6



#31

Terphenyl-d14

Concen: 0.395 ng

RT: 19.860 min Scan# 2250

Delta R.T. -0.004 min

Lab File: BN019043.D

Acq: 22 Mar 2022 04:42

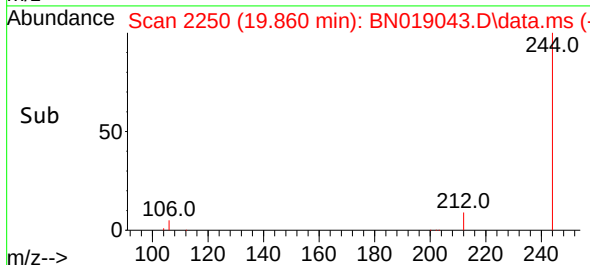
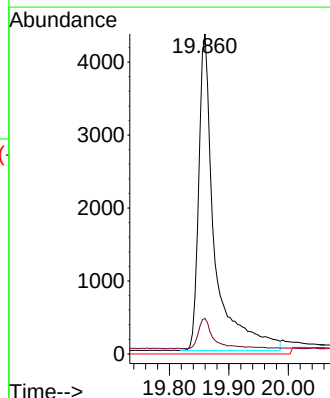
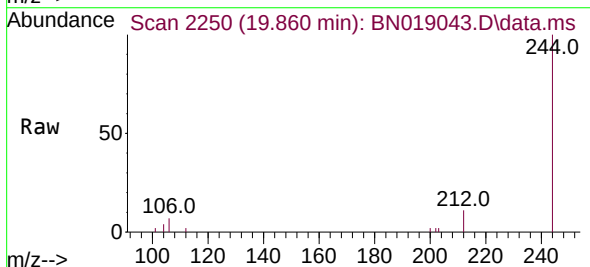
Tgt Ion:244 Resp: 8073

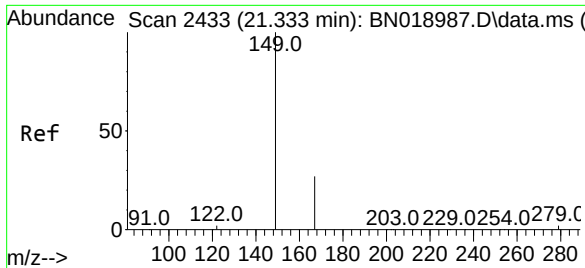
Ion Ratio Lower Upper

244 100

212 11.1 8.2 12.4

122 0.0 0.0 0.0

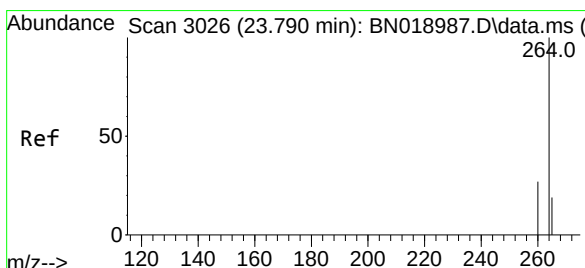
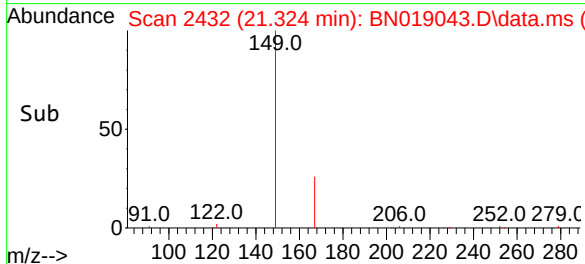
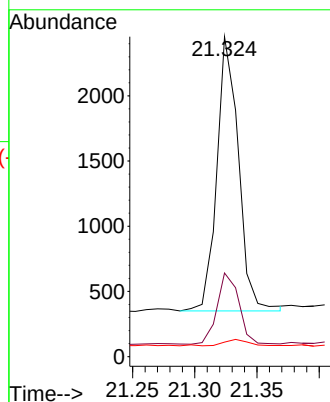
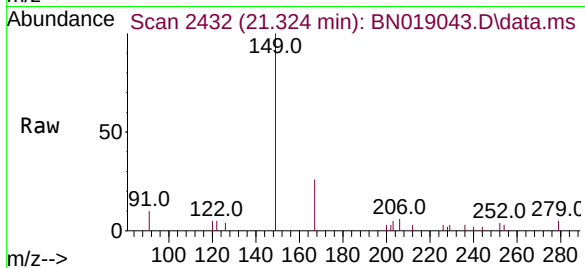




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.149 ng  
RT: 21.324 min Scan# 2432  
Delta R.T. -0.009 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Instrument :  
BNA\_N  
ClientSampleId :  
DUP06-20220316

Tgt Ion:149 Resp: 2543  
Ion Ratio Lower Upper  
149 100  
167 26.2 21.8 32.8  
279 2.5 2.0 3.0



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.782 min Scan# 3023  
Delta R.T. -0.009 min  
Lab File: BN019043.D  
Acq: 22 Mar 2022 04:42

Tgt Ion:264 Resp: 7797  
Ion Ratio Lower Upper  
264 100  
260 29.4 22.4 33.6  
265 44.2 25.3 37.9#

