

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100923\  
 Data File : BN028183.D  
 Acq On : 10 Oct 2023 05:38  
 Operator : MA/JU  
 Sample : 04740-04  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 FW9D

Quant Time: Oct 10 06:08:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN100223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 10 00:42:22 2023  
 Response via : Initial Calibration

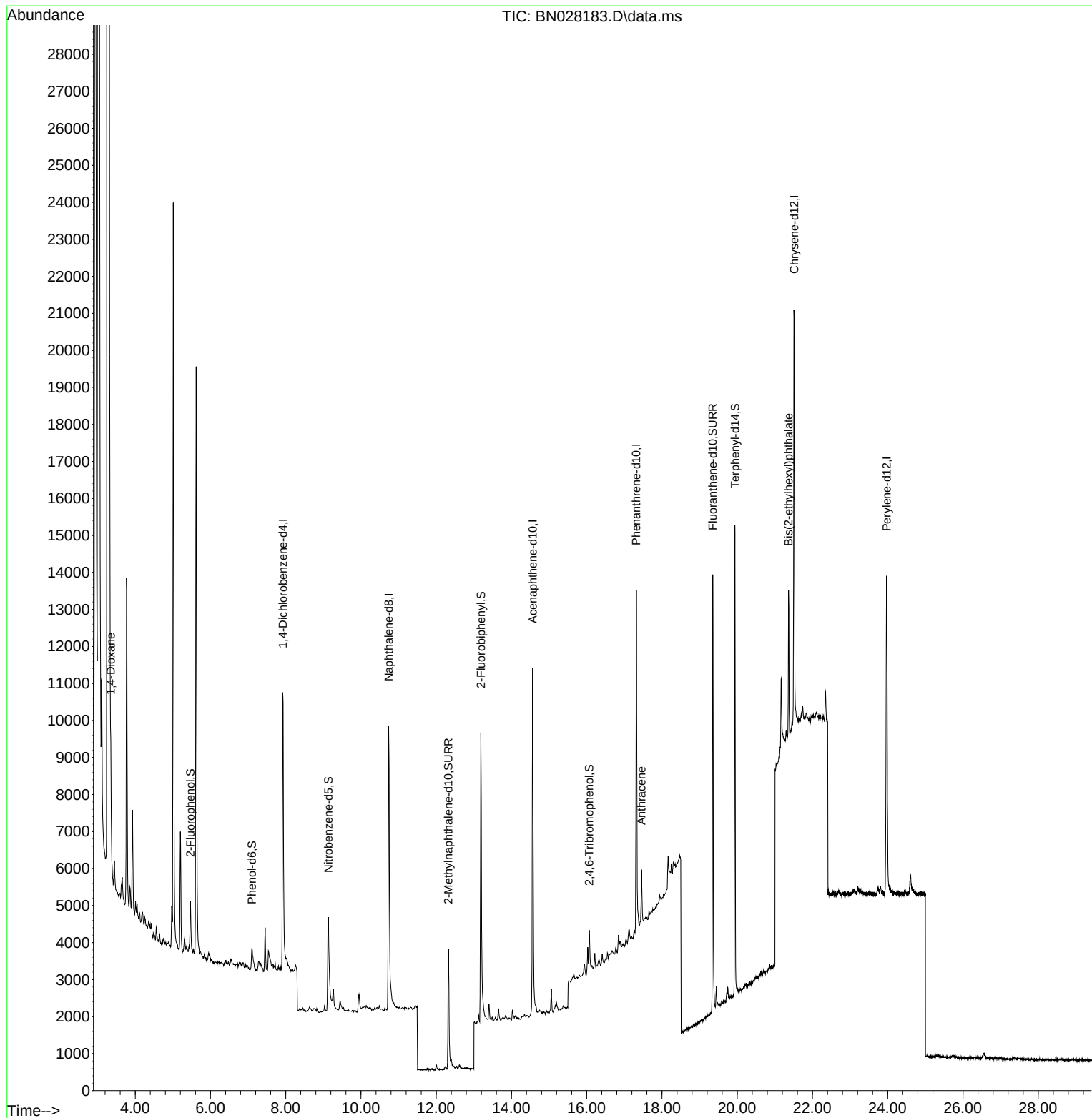
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|-------|-------|-------------|
| -----                         |        |      |          |       |       |             |
| Internal Standards            |        |      |          |       |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 4414     | 0.400 | ng    | 0.00        |
| 7) Naphthalene-d8             | 10.735 | 136  | 12633    | 0.400 | ng    | 0.00        |
| 13) Acenaphthene-d10          | 14.566 | 164  | 6624     | 0.400 | ng    | 0.00        |
| 19) Phenanthrene-d10          | 17.319 | 188  | 13198    | 0.400 | ng    | 0.00        |
| 29) Chrysene-d12              | 21.515 | 240  | 11997    | 0.400 | ng    | 0.00        |
| 35) Perylene-d12              | 23.972 | 264  | 12884    | 0.400 | ng    | 0.00        |
| System Monitoring Compounds   |        |      |          |       |       |             |
| 4) 2-Fluorophenol             | 5.466  | 112  | 1402     | 0.107 | ng    | 0.00        |
| 5) Phenol-d6                  | 7.106  | 99   | 915      | 0.055 | ng    | 0.01        |
| 8) Nitrobenzene-d5            | 9.134  | 82   | 3605     | 0.335 | ng    | 0.01        |
| 11) 2-Methylnaphthalene-d10   | 12.324 | 152  | 5970     | 0.319 | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol      | 16.065 | 330  | 743      | 0.245 | ng    | -0.01       |
| 15) 2-Fluorobiphenyl          | 13.187 | 172  | 8834     | 0.370 | ng    | 0.00        |
| 27) Fluoranthene-d10          | 19.351 | 212  | 13216    | 0.399 | ng    | 0.00        |
| 31) Terphenyl-d14             | 19.941 | 244  | 12994    | 0.464 | ng    | 0.00        |
| Target Compounds              |        |      |          |       |       |             |
| 2) 1,4-Dioxane                | 3.350  | 88   | 1250     | 0.252 | ng    | Qvalue # 71 |
| 26) Anthracene                | 17.455 | 178  | 1969     | 0.059 | ng    | 96          |
| 34) Bis(2-ethylhexyl)phtha... | 21.363 | 149  | 3760     | 0.140 | ng    | 99          |
| -----                         |        |      |          |       |       |             |

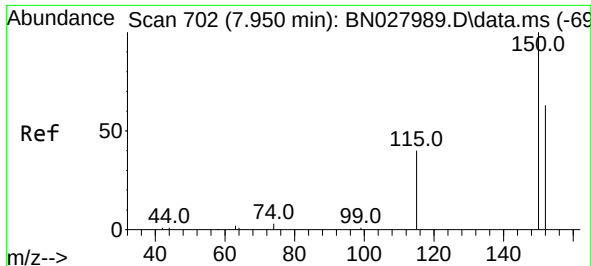
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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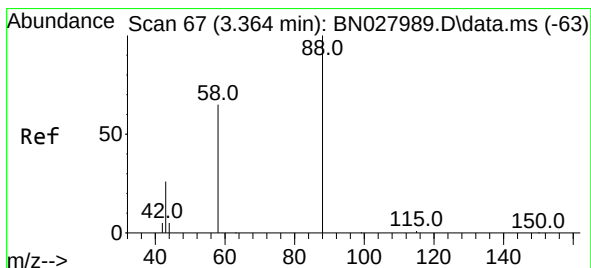
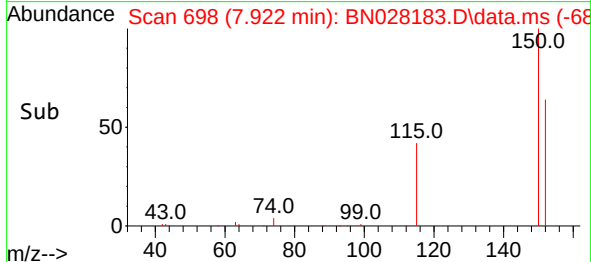
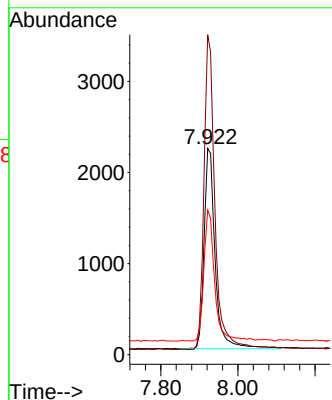
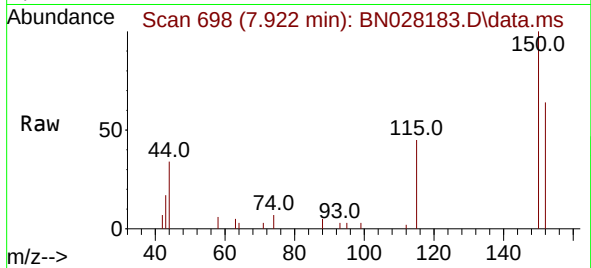




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.922 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN028183.D  
 Acq: 10 Oct 2023 05:38

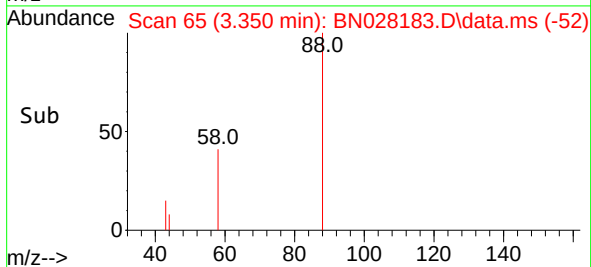
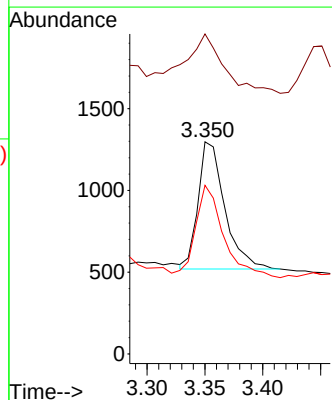
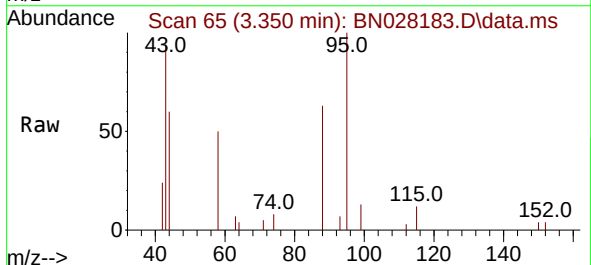
Instrument :  
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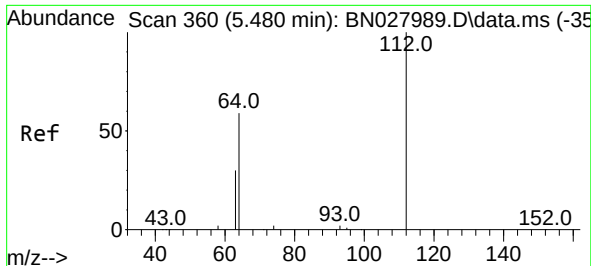
Tgt Ion:152 Resp: 4414  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 125.6 188.4  
 115 70.1 54.8 82.2



#2  
 1,4-Dioxane  
 Concen: 0.252 ng  
 RT: 3.350 min Scan# 65  
 Delta R.T. -0.007 min  
 Lab File: BN028183.D  
 Acq: 10 Oct 2023 05:38

Tgt Ion: 88 Resp: 1250  
 Ion Ratio Lower Upper  
 88 100  
 43 67.4 24.6 36.8#  
 58 76.6 53.8 80.6





#4

2-Fluorophenol

Concen: 0.107 ng

RT: 5.466 min Scan# 3

Delta R.T. 0.000 min

Lab File: BN028183.D

Acq: 10 Oct 2023 05:38

Instrument :

BNA\_N

ClientSampleId :

FW9D

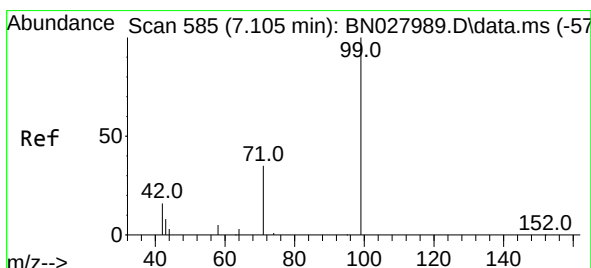
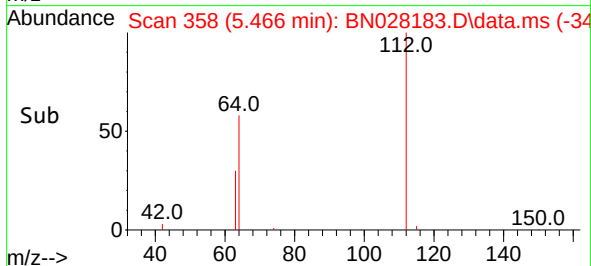
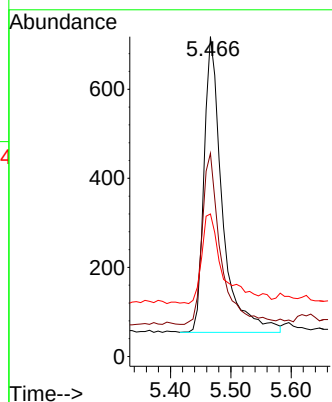
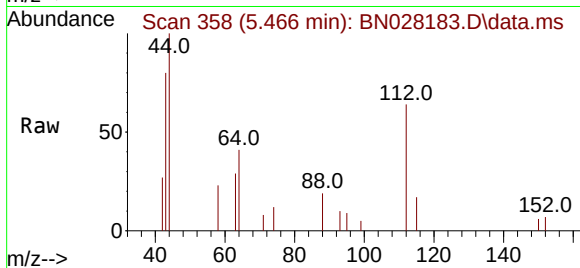
Tgt Ion:112 Resp: 1402

Ion Ratio Lower Upper

112 100

64 58.7 45.0 67.6

63 35.2 23.4 35.0#



#5

Phenol-d6

Concen: 0.055 ng

RT: 7.106 min Scan# 585

Delta R.T. 0.014 min

Lab File: BN028183.D

Acq: 10 Oct 2023 05:38

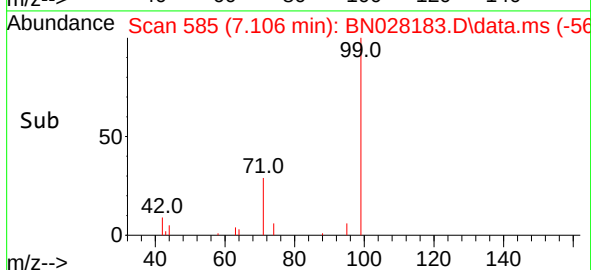
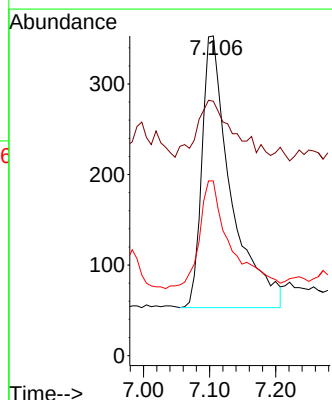
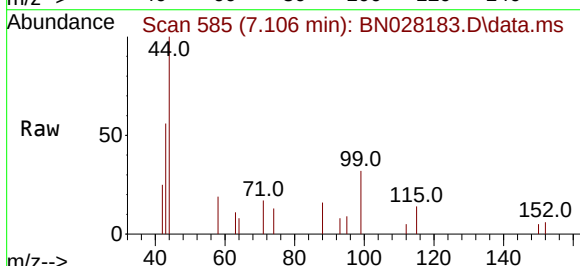
Tgt Ion: 99 Resp: 915

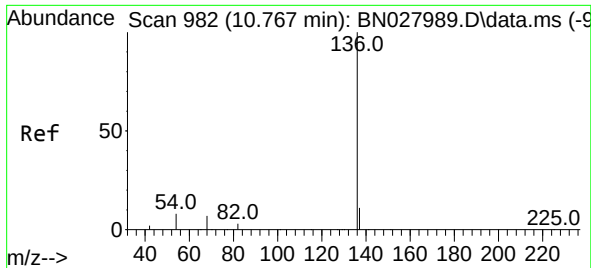
Ion Ratio Lower Upper

99 100

42 25.6 14.6 22.0#

71 42.5 28.3 42.5#

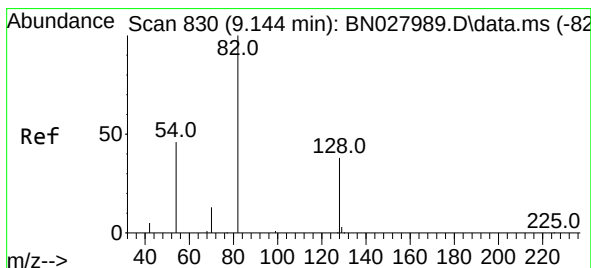
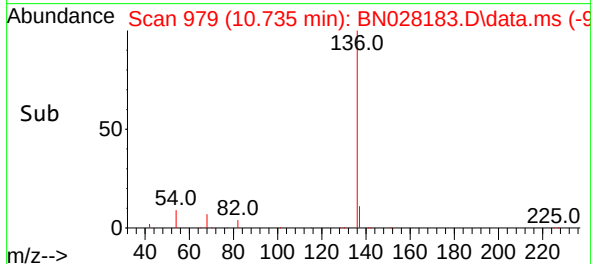
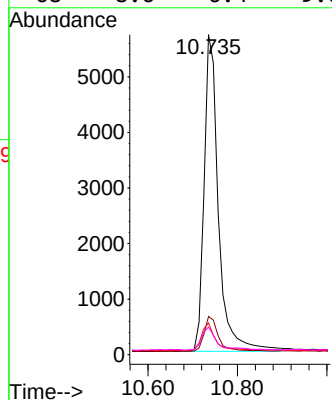
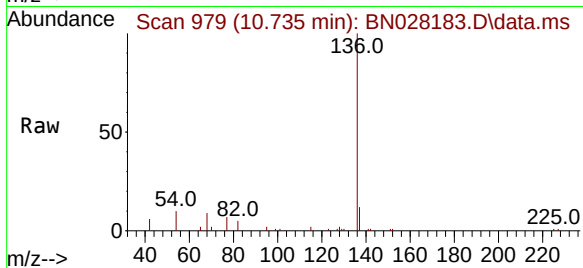




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.735 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

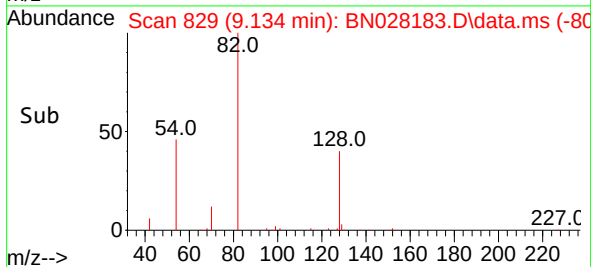
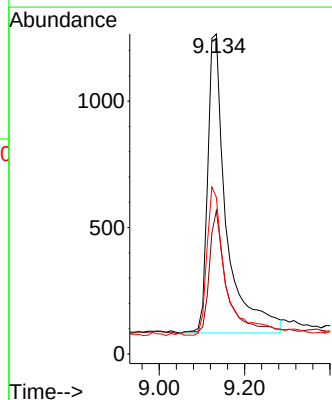
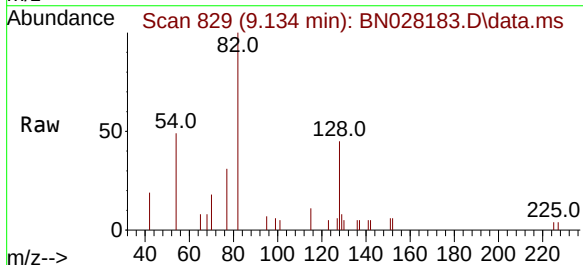
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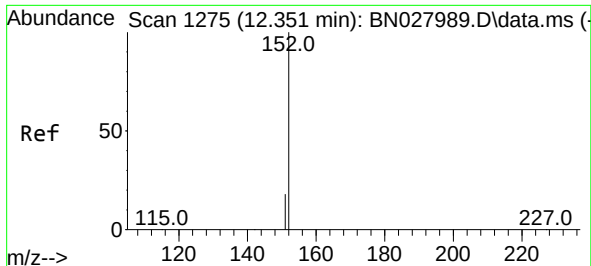
Tgt Ion:136 Resp: 12633  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.4 14.0  
54 9.9 7.0 10.6  
68 8.6 6.4 9.6



#8  
Nitrobenzene-d5  
Concen: 0.335 ng  
RT: 9.134 min Scan# 829  
Delta R.T. 0.011 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

Tgt Ion: 82 Resp: 3605  
Ion Ratio Lower Upper  
82 100  
128 44.8 32.7 49.1  
54 49.0 38.7 58.1





#11

2-Methylnaphthalene-d10

Concen: 0.319 ng

RT: 12.324 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN028183.D

Acq: 10 Oct 2023 05:38

Instrument :

BNA\_N

ClientSampleId :

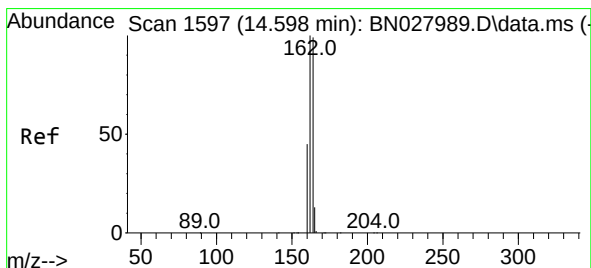
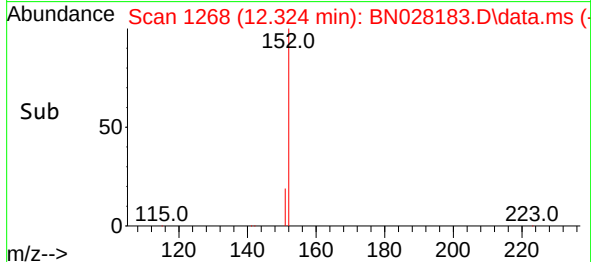
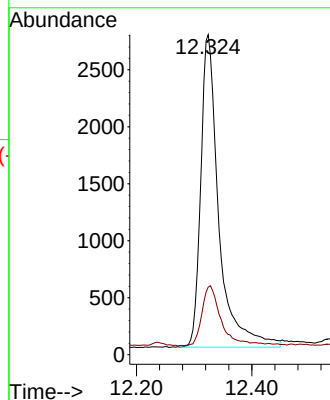
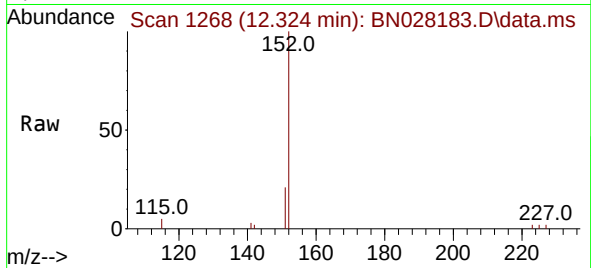
FW9D

Tgt Ion:152 Resp: 5970

Ion Ratio Lower Upper

152 100

151 19.7 16.5 24.7



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.566 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BN028183.D

Acq: 10 Oct 2023 05:38

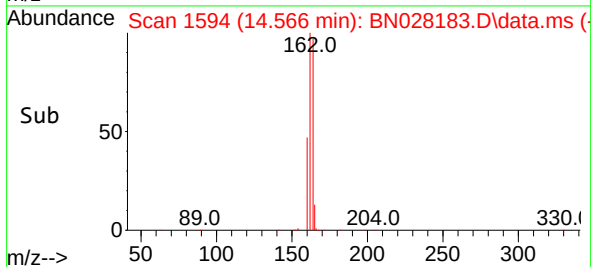
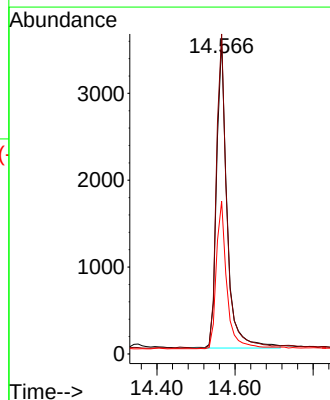
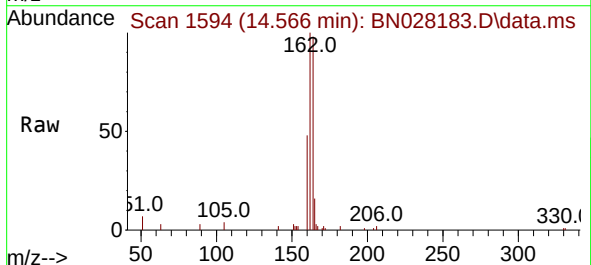
Tgt Ion:164 Resp: 6624

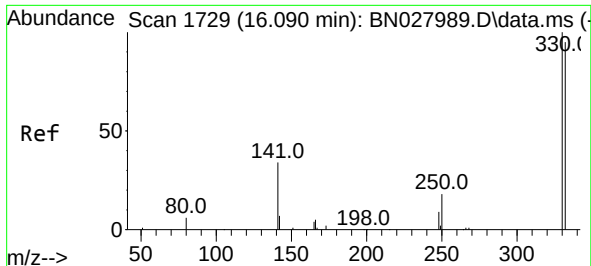
Ion Ratio Lower Upper

164 100

162 101.9 80.8 121.2

160 48.6 36.4 54.6

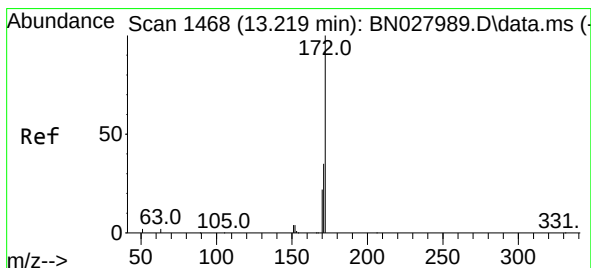
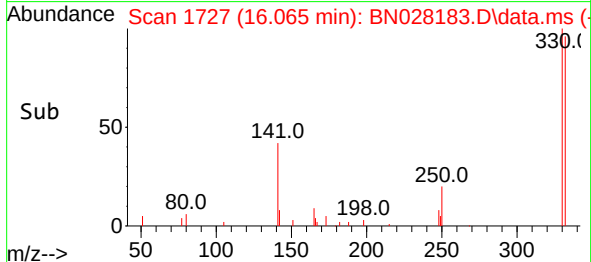
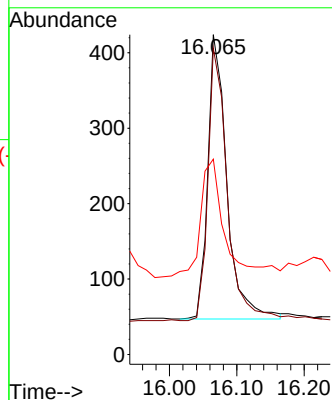
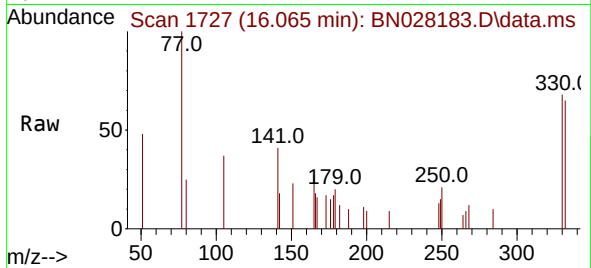




#14  
2,4,6-Tribromophenol  
Concen: 0.245 ng  
RT: 16.065 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

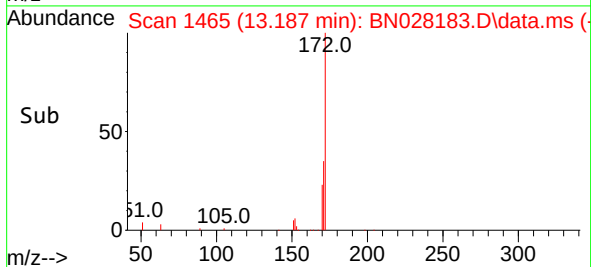
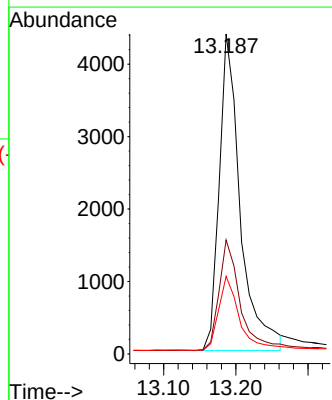
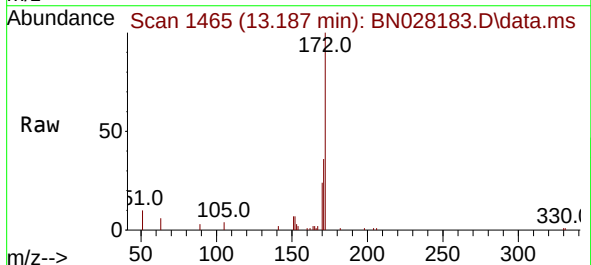
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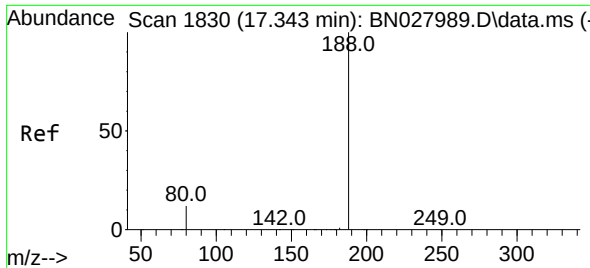
Tgt Ion:330 Resp: 743  
Ion Ratio Lower Upper  
330 100  
332 96.8 78.1 117.1  
141 48.7 33.4 50.2



#15  
2-Fluorobiphenyl  
Concen: 0.370 ng  
RT: 13.187 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

Tgt Ion:172 Resp: 8834  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.1 42.1  
170 24.2 18.4 27.6

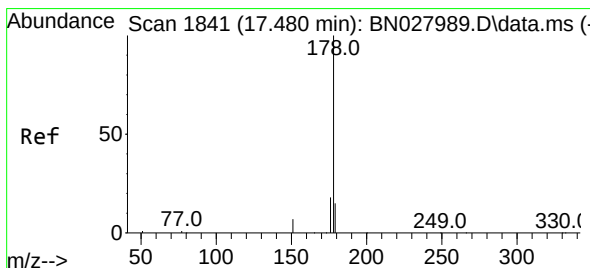
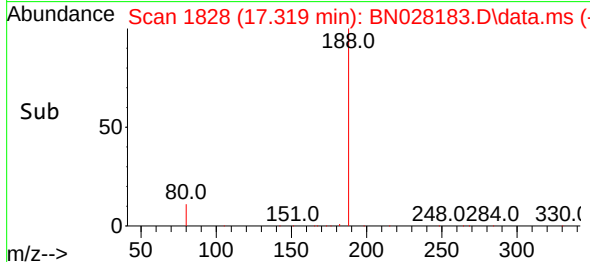
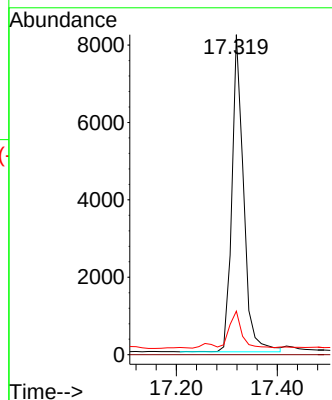
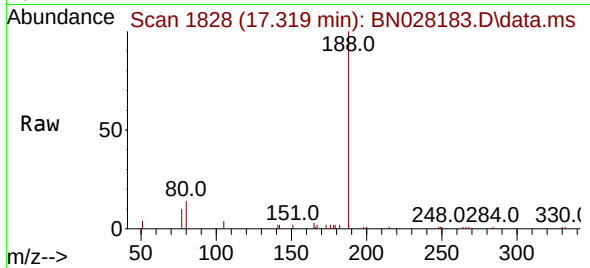




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.319 min Scan# 1828  
Delta R.T. 0.000 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

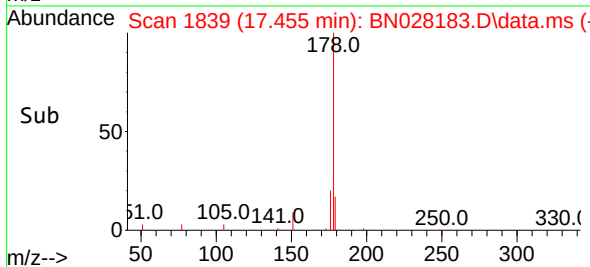
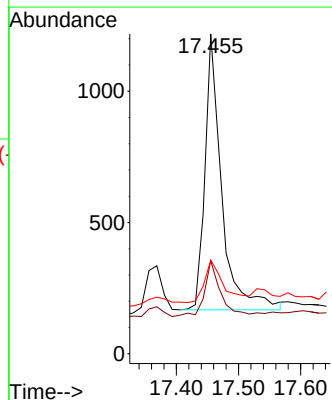
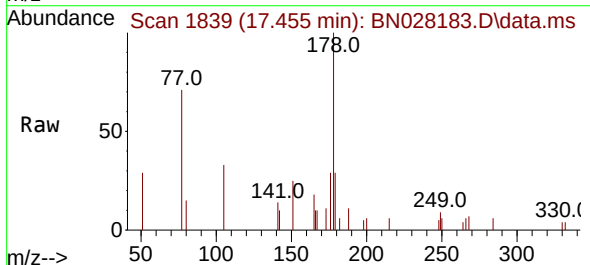
Instrument :  
BNA\_N  
ClientSampleId :  
FW9D

Tgt Ion:188 Resp: 13198  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.6 10.2 15.4

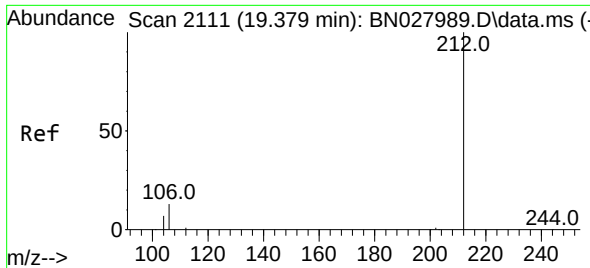


#26  
Anthracene  
Concen: 0.059 ng  
RT: 17.455 min Scan# 1839  
Delta R.T. 0.000 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

Tgt Ion:178 Resp: 1969  
Ion Ratio Lower Upper  
178 100  
176 19.3 14.7 22.1  
179 17.9 12.2 18.2



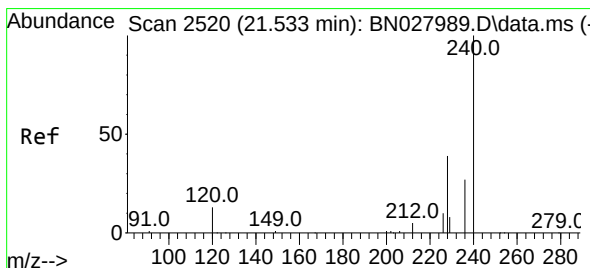
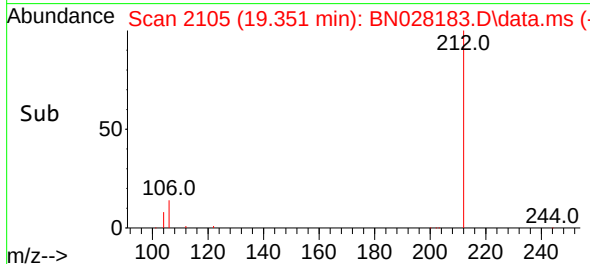
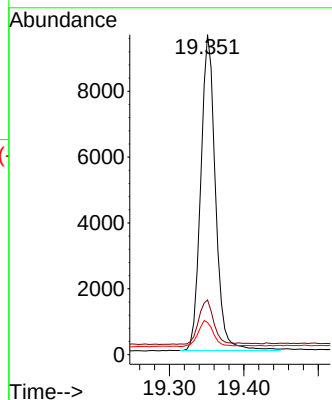
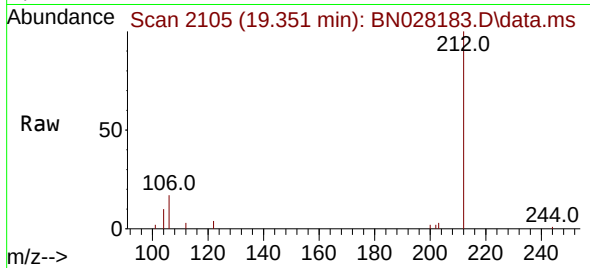




#27  
Fluoranthene-d10  
Concen: 0.399 ng  
RT: 19.351 min Scan# 2111  
Delta R.T. -0.005 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

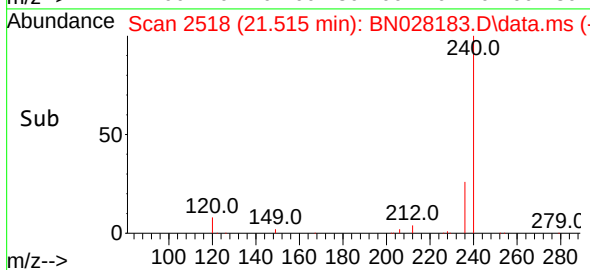
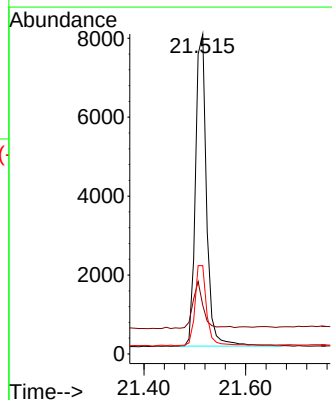
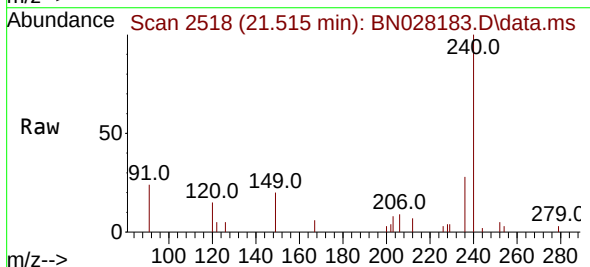
Instrument :  
BNA\_N  
ClientSampleId :  
FW9D

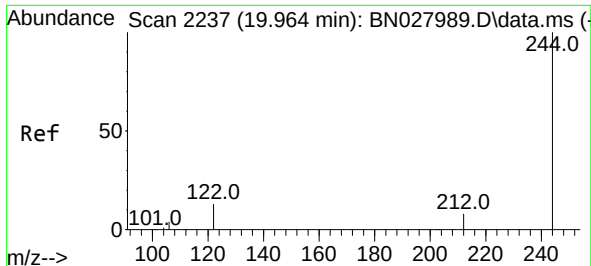
Tgt Ion:212 Resp: 13216  
Ion Ratio Lower Upper  
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106 14.7 11.3 16.9  
104 8.5 6.4 9.6



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.515 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: BN028183.D  
Acq: 10 Oct 2023 05:38

Tgt Ion:240 Resp: 11997  
Ion Ratio Lower Upper  
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120 15.2 13.8 20.6  
236 27.6 22.6 33.8

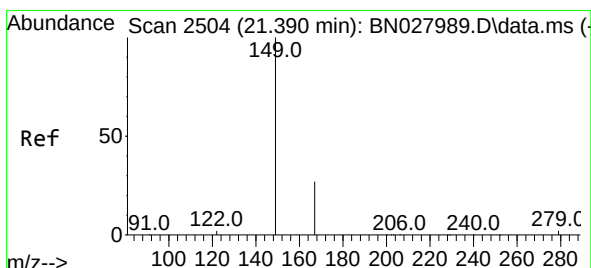
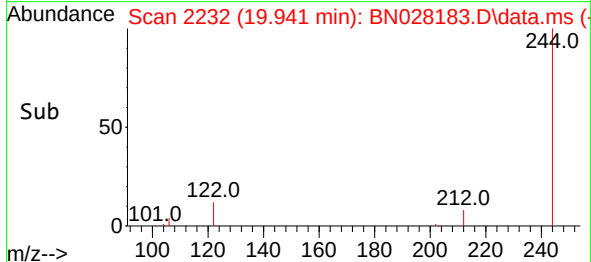
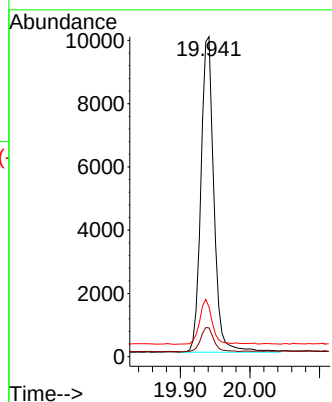
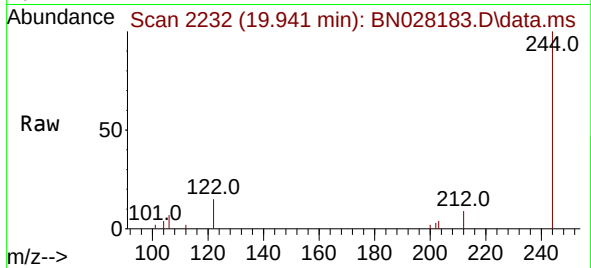




#31  
 Terphenyl-d14  
 Concen: 0.464 ng  
 RT: 19.941 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN028183.D  
 Acq: 10 Oct 2023 05:38

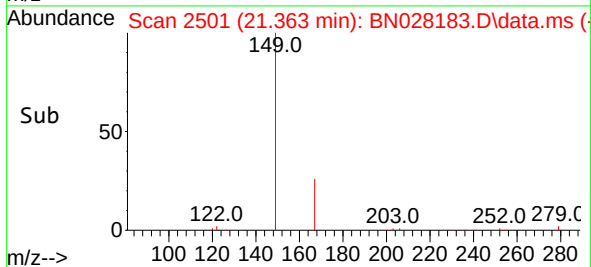
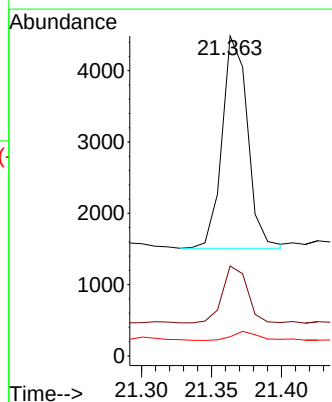
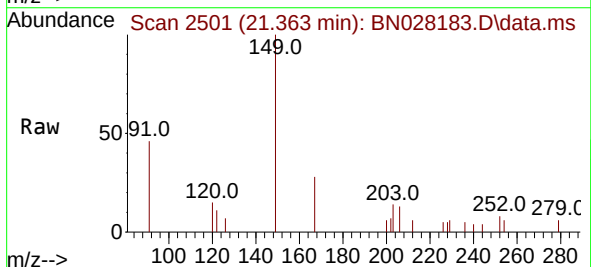
Instrument :  
 BNA\_N  
 ClientSampleId :  
 FW9D

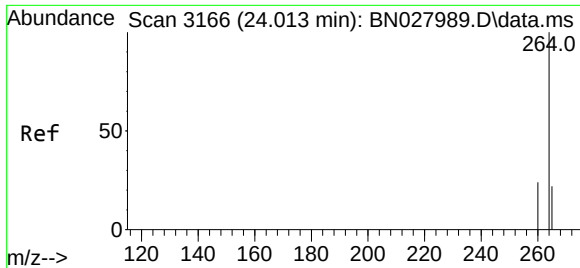
Tgt Ion:244 Resp: 12994  
 Ion Ratio Lower Upper  
 244 100  
 212 9.0 6.6 9.8  
 122 15.5 11.4 17.0



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.140 ng  
 RT: 21.363 min Scan# 2501  
 Delta R.T. 0.000 min  
 Lab File: BN028183.D  
 Acq: 10 Oct 2023 05:38

Tgt Ion:149 Resp: 3760  
 Ion Ratio Lower Upper  
 149 100  
 167 27.4 22.1 33.1  
 279 4.8 3.4 5.0





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.972 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: BN028183.D  
 Acq: 10 Oct 2023 05:38

Instrument :  
 BNA\_N  
 ClientSampleId :  
 FW9D

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:264 | Resp: | 12884       |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 25.8  | 20.2 30.4   |
| 265         | 71.3  | 54.8 82.2   |

