

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092324\  
 Data File : BN034160.D  
 Acq On : 23 Sep 2024 11:18  
 Operator : JU/RC  
 Sample : P4003-10DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE120D3-20240912DL

Quant Time: Sep 23 11:43:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 16:09:28 2024  
 Response via : Initial Calibration

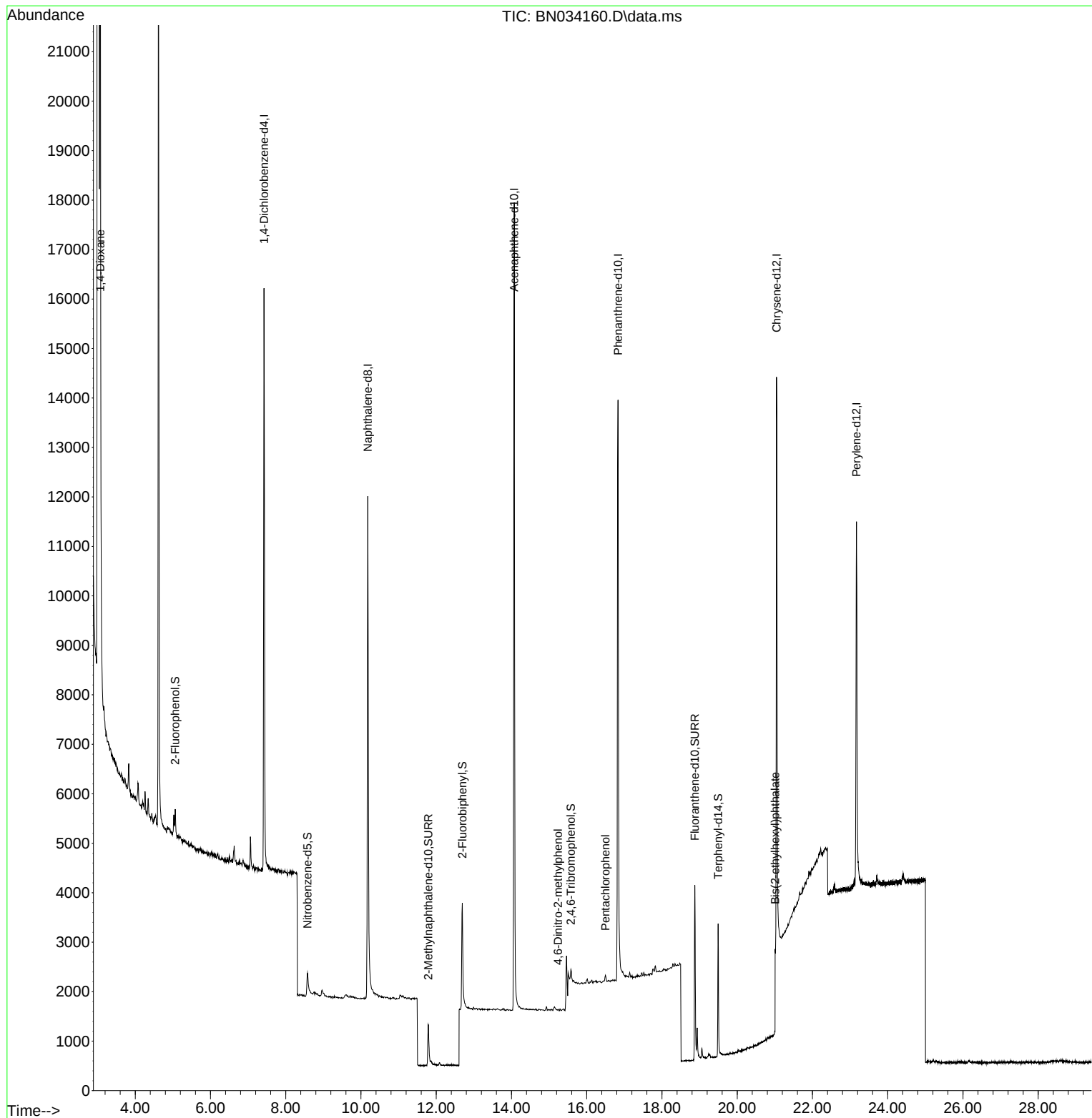
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.423  | 152  | 5699     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.180 | 136  | 15553    | 0.400 | ng    | #-0.02   |
| 13) Acenaphthene-d10          | 14.073 | 164  | 9603     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.833 | 188  | 20065    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.044 | 240  | 12926    | 0.400 | ng    | #-0.01   |
| 35) Perylene-d12              | 23.168 | 264  | 10433    | 0.400 | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.062  | 112  | 419      | 0.026 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.629  | 99   | 338      | 0.018 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.579  | 82   | 699      | 0.059 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.788 | 152  | 1621     | 0.071 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.580 | 330  | 212      | 0.049 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.693 | 172  | 3117     | 0.080 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.871 | 212  | 4486     | 0.089 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.494 | 244  | 2734     | 0.106 | ng    | -0.01    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.068  | 88   | 12365    | 1.735 | ng    | # 83     |
| 20) 4,6-Dinitro-2-methylph... | 15.238 | 198  | 3        | 0.139 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.498 | 266  | 104      | 0.025 | ng    | 92       |
| 34) Bis(2-ethylhexyl)phtha... | 21.008 | 149  | 473      | 0.028 | ng    | # 82     |
| -----                         |        |      |          |       |       |          |

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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RE120D3-20240912DL

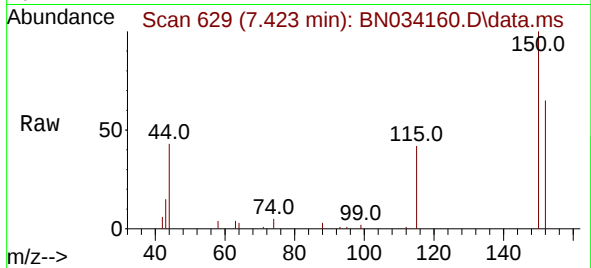
Quant Time: Sep 23 11:43:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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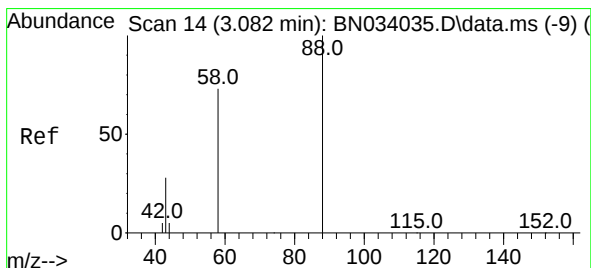
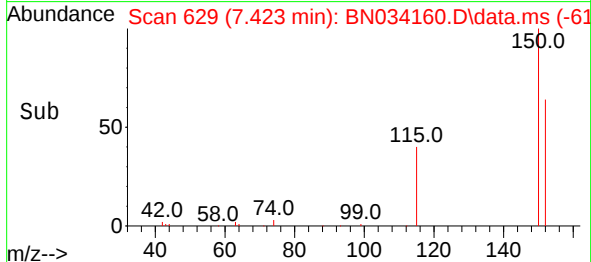
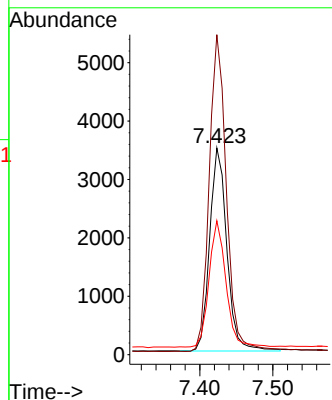


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.423 min Scan# 61  
Delta R.T. -0.014 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

Instrument :  
BNA\_N  
ClientSampleId :  
RE120D3-20240912DL

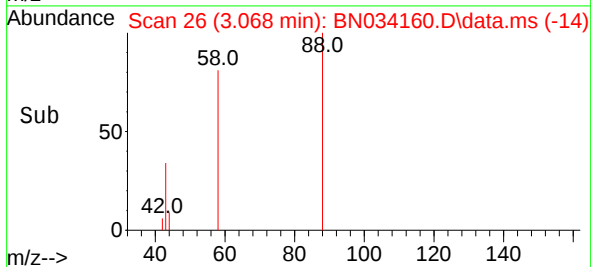
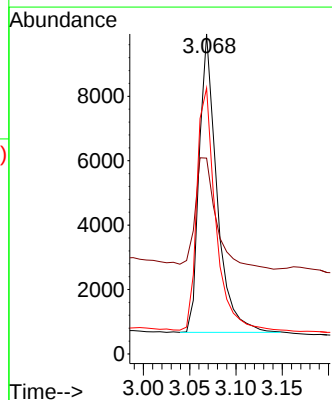
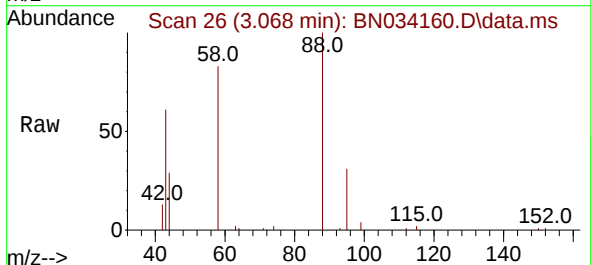


Tgt Ion:152 Resp: 5699  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.6 187.0  
115 64.8 50.0 75.0



#2  
1,4-Dioxane  
Concen: 1.735 ng  
RT: 3.068 min Scan# 26  
Delta R.T. -0.013 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

Tgt Ion: 88 Resp: 12365  
Ion Ratio Lower Upper  
88 100  
43 44.7 25.8 38.8#  
58 85.6 58.8 88.2

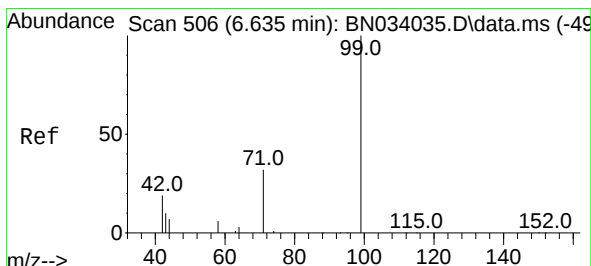
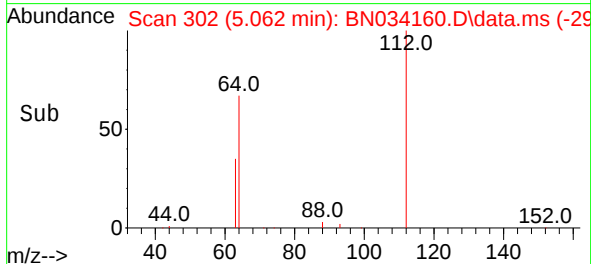
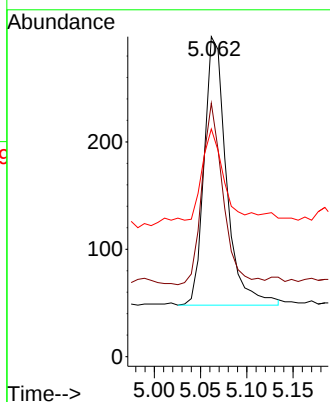
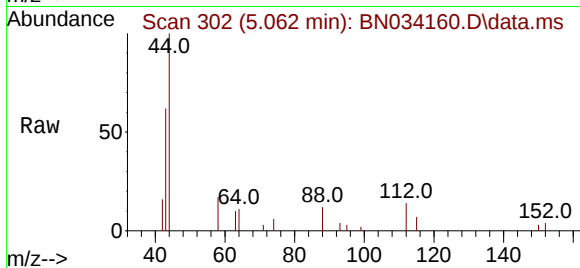




#4  
2-Fluorophenol  
Concen: 0.026 ng  
RT: 5.062 min Scan# 302  
Delta R.T. -0.013 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

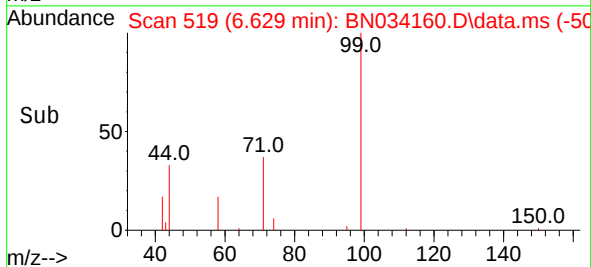
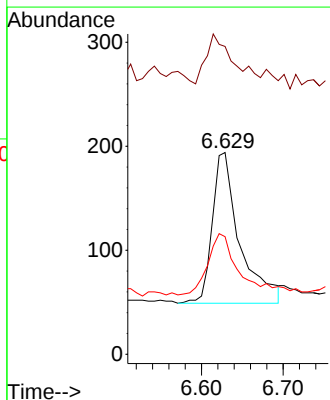
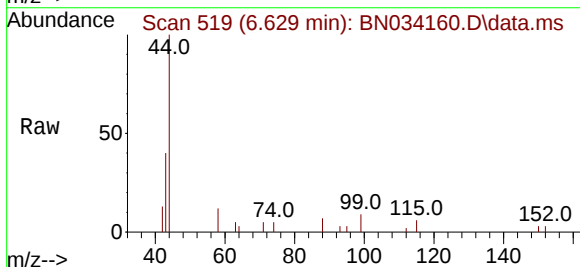
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BNA\_N  
ClientSampleId :  
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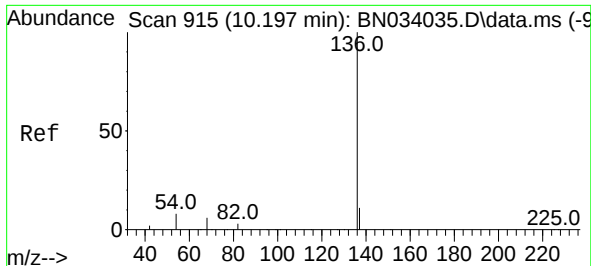
Tgt Ion:112 Resp: 419  
Ion Ratio Lower Upper  
112 100  
64 64.0 48.6 72.8  
63 48.2 25.6 38.4#



#5  
Phenol-d6  
Concen: 0.018 ng  
RT: 6.629 min Scan# 519  
Delta R.T. -0.006 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

Tgt Ion: 99 Resp: 338  
Ion Ratio Lower Upper  
99 100  
42 32.2 17.8 26.8#  
71 44.1 26.2 39.2#

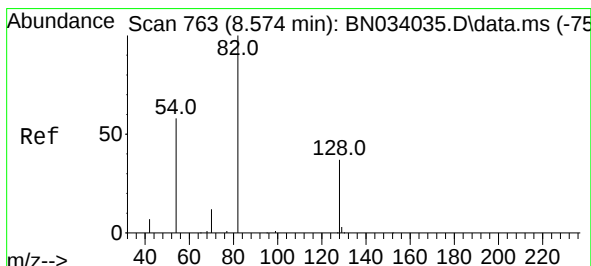
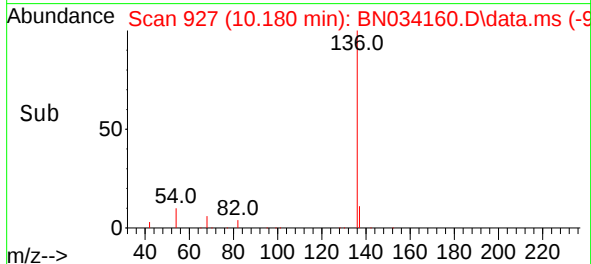
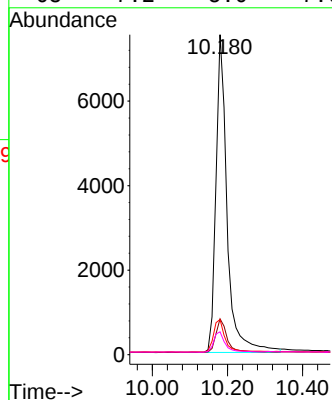
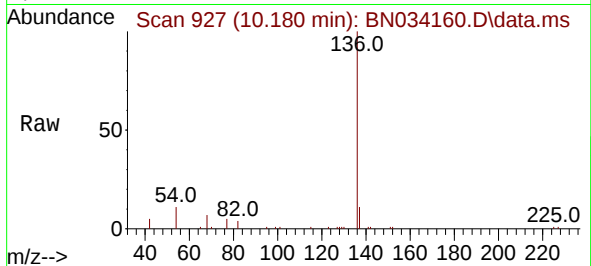




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.180 min Scan# 915  
Delta R.T. -0.017 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

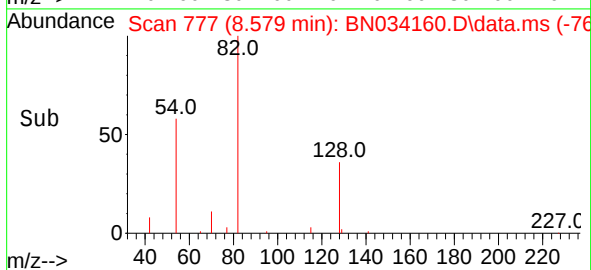
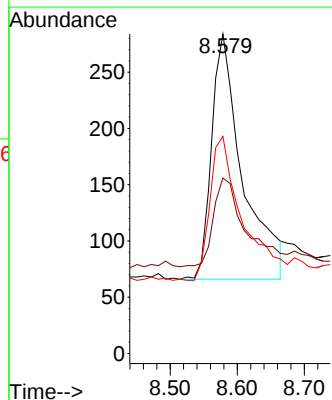
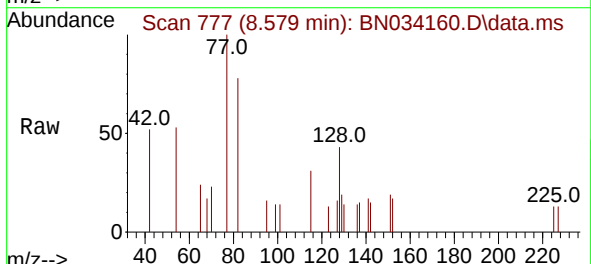
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D3-20240912DL

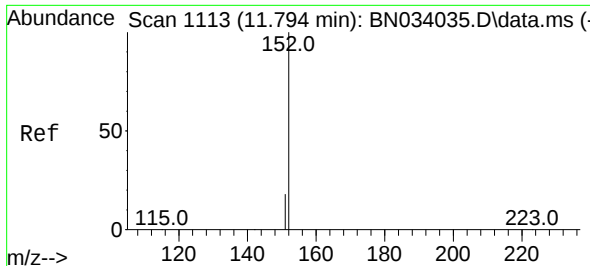
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 15553 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 9.0   | 13.6  |
| 54        | 11.0  | 6.8   | 10.2# |
| 68        | 7.2   | 5.0   | 7.6   |



#8  
Nitrobenzene-d5  
Concen: 0.059 ng  
RT: 8.579 min Scan# 777  
Delta R.T. 0.005 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 699   |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 54.9  | 31.4  | 47.2# |
| 54        | 68.0  | 47.4  | 71.0  |





#11

2-Methylnaphthalene-d10

Concen: 0.071 ng

RT: 11.788 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BN034160.D

Acq: 23 Sep 2024 11:18

Instrument :

BNA\_N

ClientSampleId :

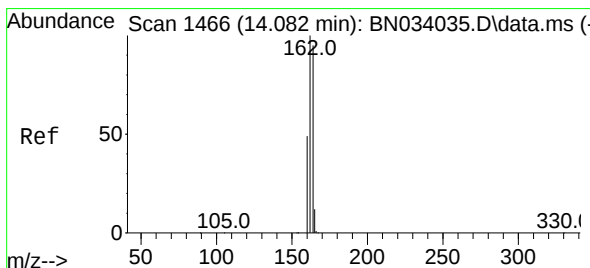
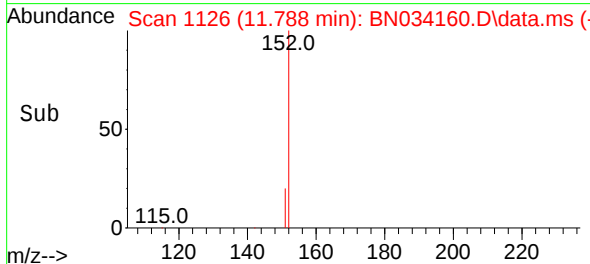
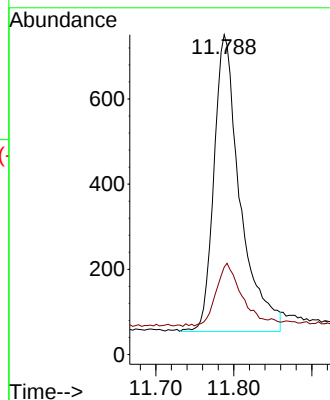
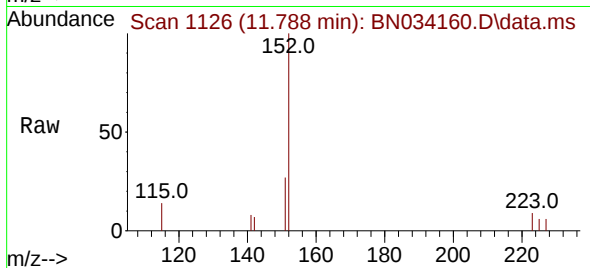
RE120D3-20240912DL

Tgt Ion:152 Resp: 1621

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.073 min Scan# 1480

Delta R.T. -0.009 min

Lab File: BN034160.D

Acq: 23 Sep 2024 11:18

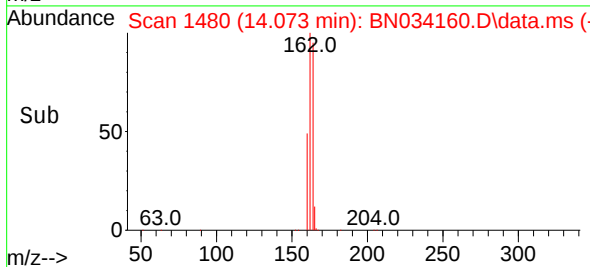
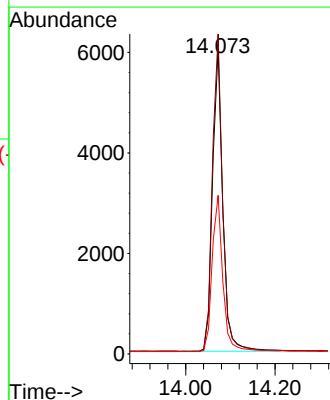
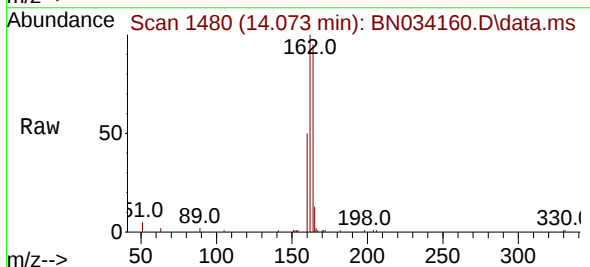
Tgt Ion:164 Resp: 9603

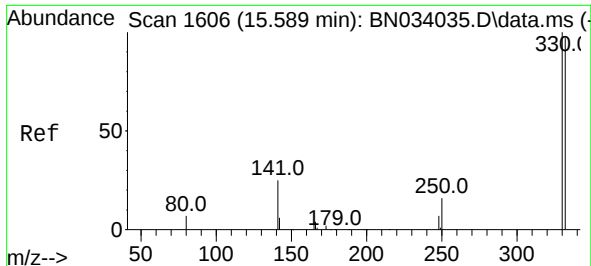
Ion Ratio Lower Upper

164 100

162 105.0 84.2 126.2

160 52.0 41.7 62.5

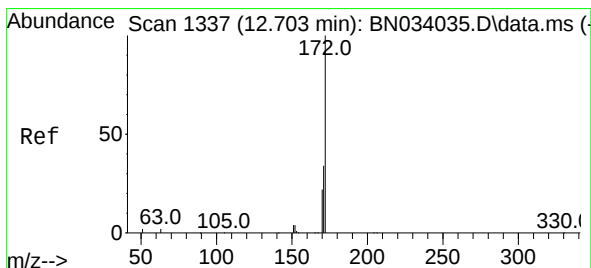
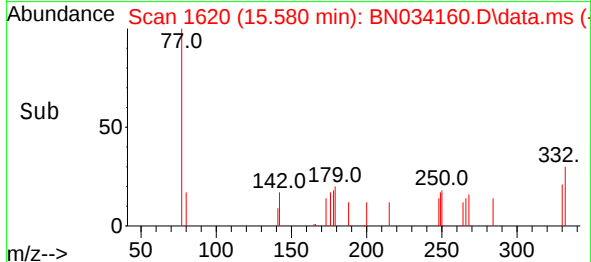
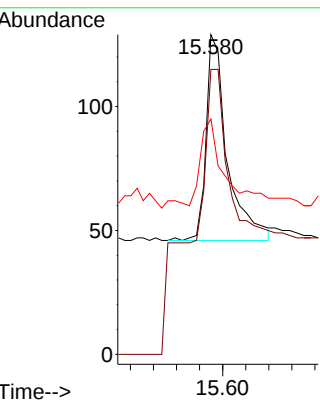
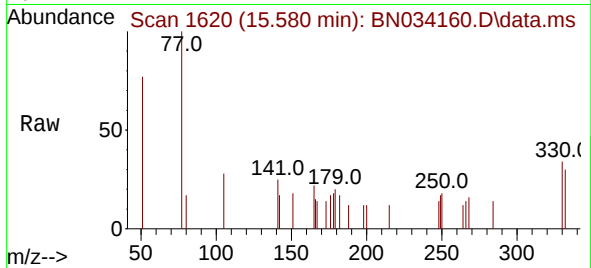




#14  
2,4,6-Tribromophenol  
Concen: 0.049 ng  
RT: 15.580 min Scan# 1  
Delta R.T. -0.009 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

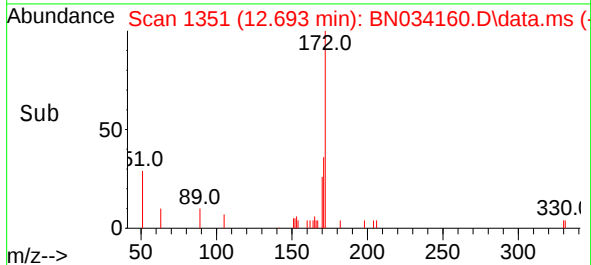
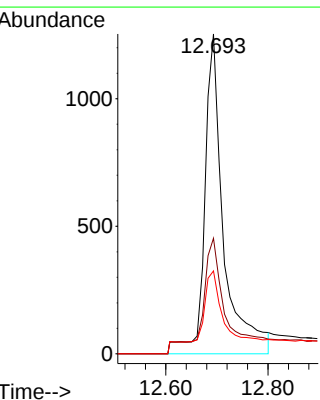
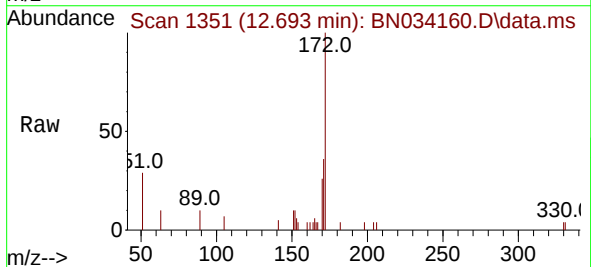
Instrument :  
BNA\_N  
ClientSampleId :  
RE120D3-20240912DL

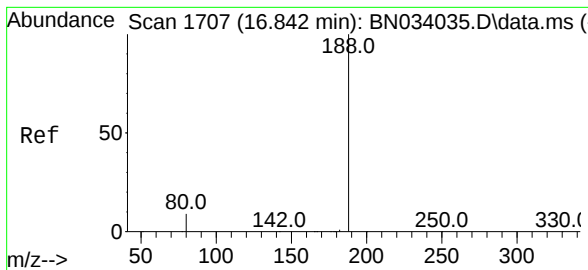
Tgt Ion:330 Resp: 212  
Ion Ratio Lower Upper  
330 100  
332 87.3 77.4 116.0  
141 46.7 35.9 53.9



#15  
2-Fluorobiphenyl  
Concen: 0.080 ng  
RT: 12.693 min Scan# 1351  
Delta R.T. -0.009 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

Tgt Ion:172 Resp: 3117  
Ion Ratio Lower Upper  
172 100  
171 36.1 27.3 40.9  
170 25.9 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.833 min Scan# 1

Delta R.T. -0.009 min

Lab File: BN034160.D

Acq: 23 Sep 2024 11:18

Instrument :

BNA\_N

ClientSampleId :

RE120D3-20240912DL

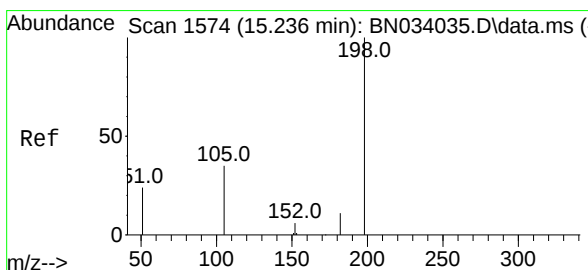
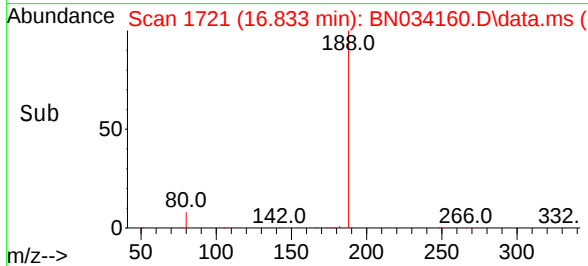
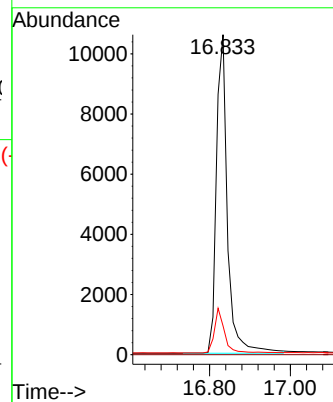
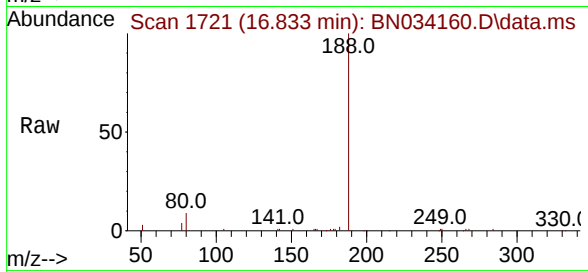
Tgt Ion:188 Resp: 20065

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.0 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.139 ng

RT: 15.238 min Scan# 1589

Delta R.T. 0.002 min

Lab File: BN034160.D

Acq: 23 Sep 2024 11:18

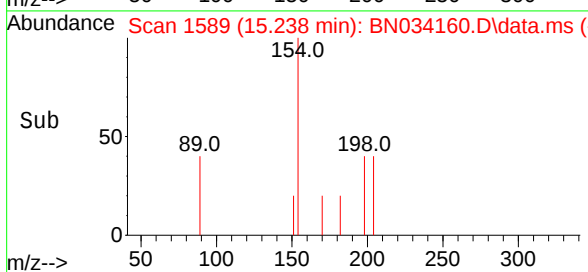
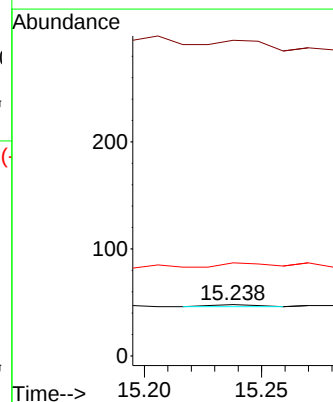
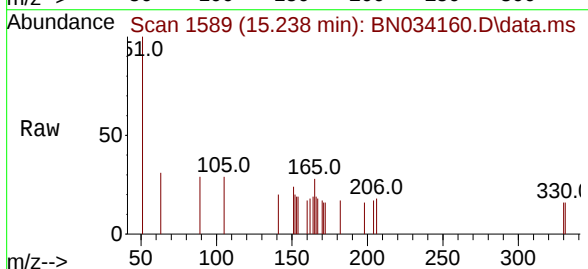
Tgt Ion:198 Resp: 3

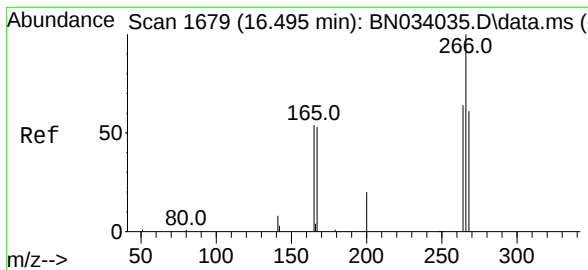
Ion Ratio Lower Upper

198 100

51 614.6 106.4 159.6#

105 181.3 38.5 57.7#

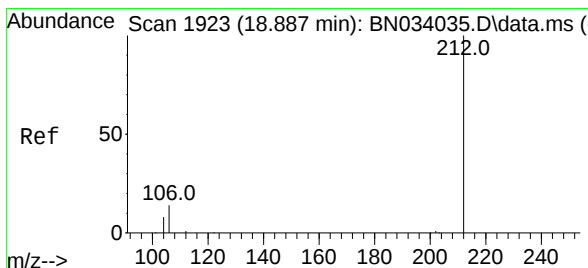
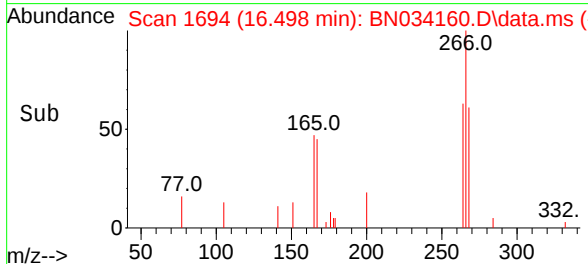
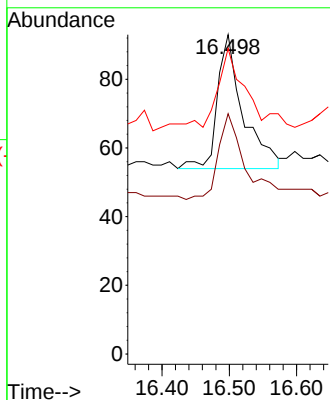
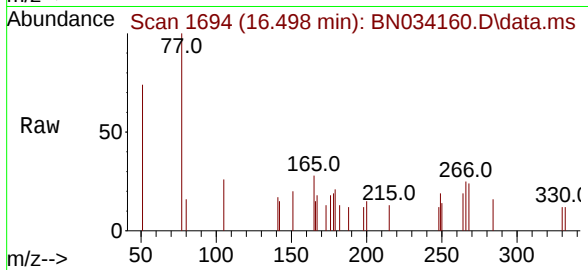




#24  
 Pentachlorophenol  
 Concen: 0.025 ng  
 RT: 16.498 min Scan# 1694  
 Delta R.T. 0.003 min  
 Lab File: BN034160.D  
 Acq: 23 Sep 2024 11:18

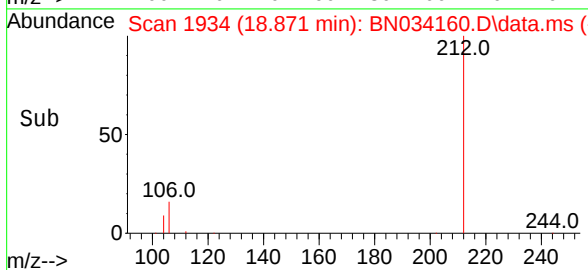
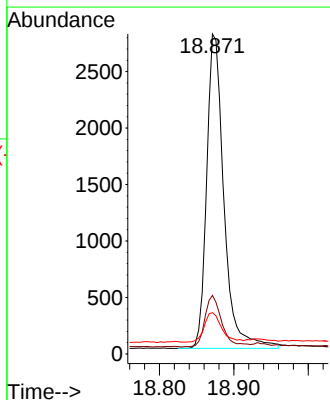
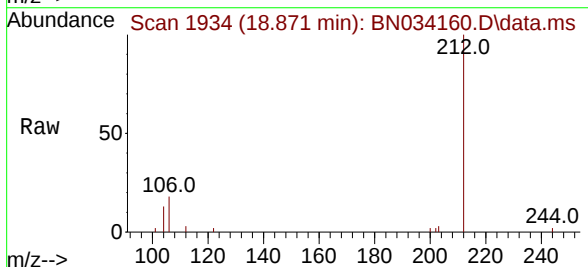
Instrument :  
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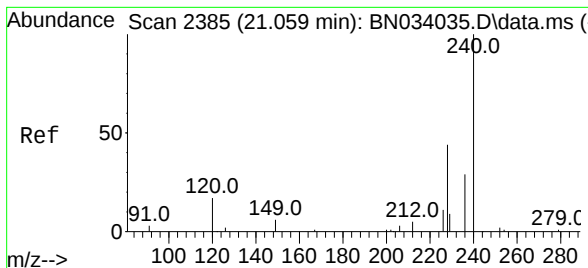
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|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 104  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 66.3  | 50.2  | 75.2 |
| 268       | 54.8  | 51.0  | 76.4 |



#27  
 Fluoranthene-d10  
 Concen: 0.089 ng  
 RT: 18.871 min Scan# 1934  
 Delta R.T. -0.015 min  
 Lab File: BN034160.D  
 Acq: 23 Sep 2024 11:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 4486 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 16.1  | 13.4  | 20.2 |
| 104       | 9.4   | 7.8   | 11.6 |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.044 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN034160.D

Acq: 23 Sep 2024 11:18

Instrument :

BNA\_N

ClientSampleId :

RE120D3-20240912DL

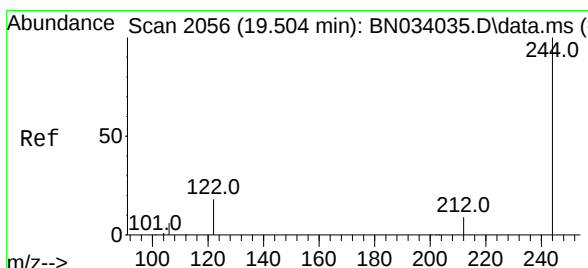
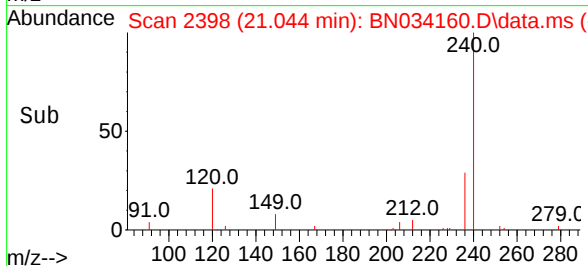
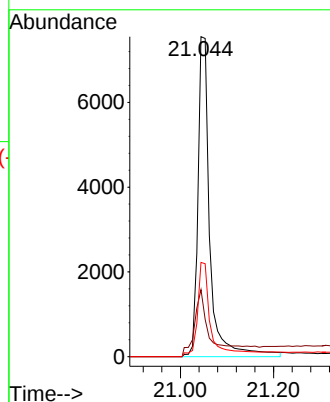
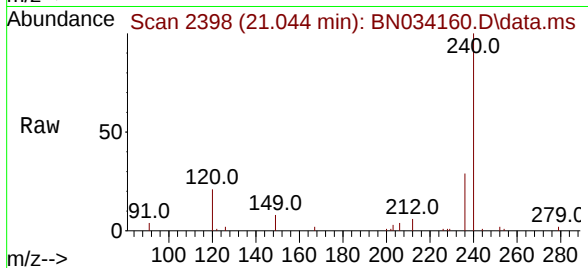
Tgt Ion:240 Resp: 12926

Ion Ratio Lower Upper

240 100

120 20.9 13.5 20.3#

236 29.4 23.4 35.0



#31

Terphenyl-d14

Concen: 0.106 ng

RT: 19.494 min Scan# 2068

Delta R.T. -0.011 min

Lab File: BN034160.D

Acq: 23 Sep 2024 11:18

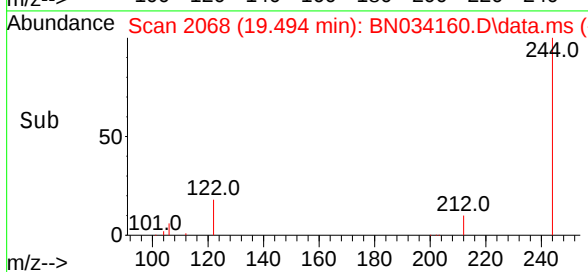
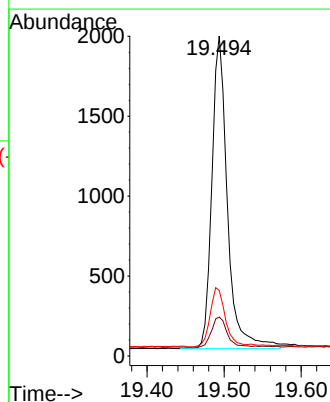
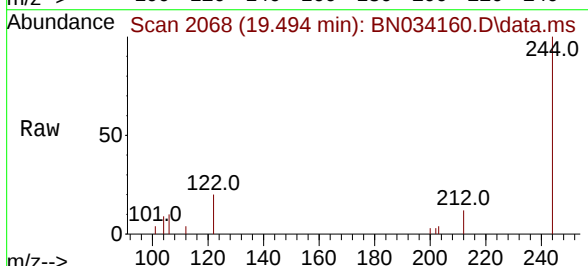
Tgt Ion:244 Resp: 2734

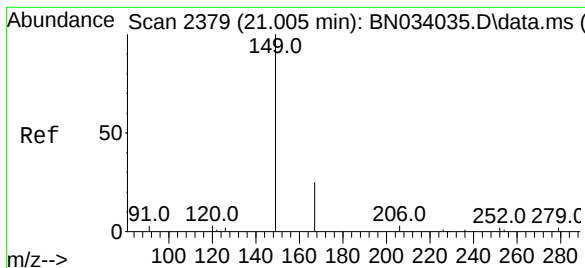
Ion Ratio Lower Upper

244 100

212 12.1 7.8 11.6#

122 20.4 14.8 22.2

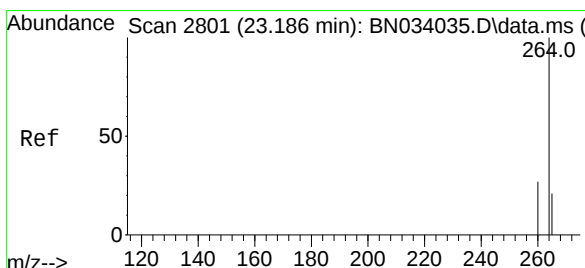
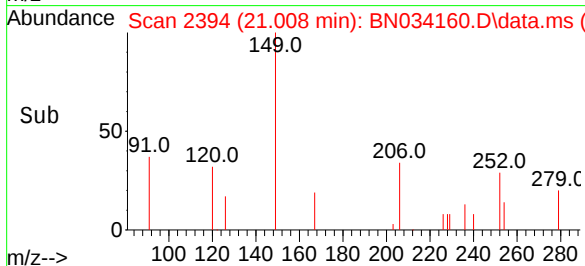
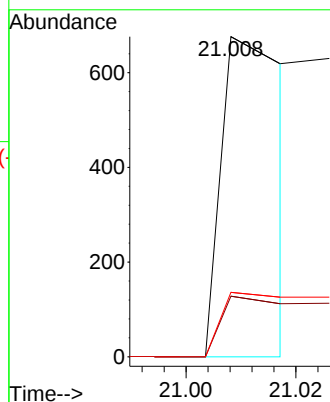
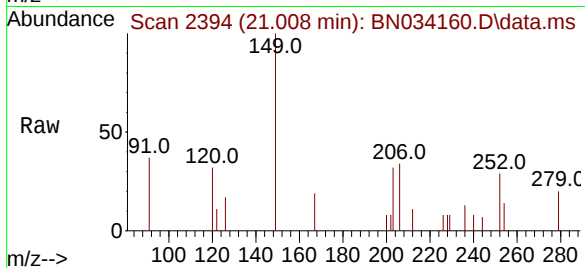




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.028 ng  
RT: 21.008 min Scan# 2111  
Delta R.T. 0.003 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

Instrument :  
BNA\_N  
ClientSampleId :  
RE120D3-20240912DL

Tgt Ion:149 Resp: 473  
Ion Ratio Lower Upper  
149 100  
167 18.6 19.9 29.9#  
279 20.3 4.6 6.8#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.168 min Scan# 2811  
Delta R.T. -0.017 min  
Lab File: BN034160.D  
Acq: 23 Sep 2024 11:18

Tgt Ion:264 Resp: 10433  
Ion Ratio Lower Upper  
264 100  
260 26.3 21.7 32.5  
265 70.0 52.1 78.1

