

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092624\  
 Data File : BN034267.D  
 Acq On : 27 Sep 2024 06:45  
 Operator : RC/JU  
 Sample : P4164-23  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB02-20240920

Quant Time: Sep 27 07:13:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 26 14:44:02 2024  
 Response via : Initial Calibration

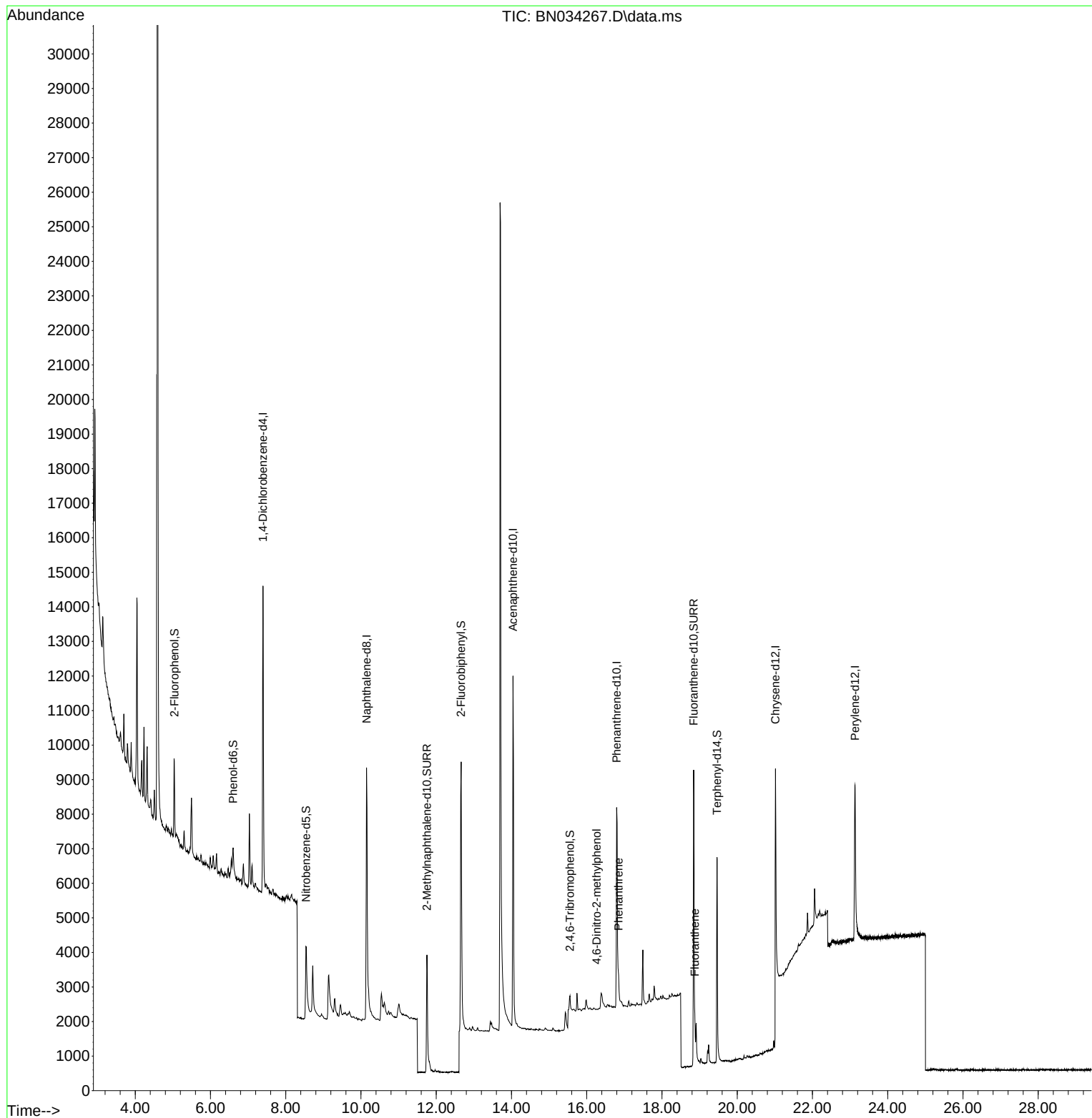
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.394  | 152  | 4544     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.148 | 136  | 12051    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.040 | 164  | 6032     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.796 | 188  | 10716    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.017 | 240  | 7265     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.130 | 264  | 7133     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.040  | 112  | 1793     | 0.139 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.600  | 99   | 1108     | 0.074 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.536  | 82   | 2935     | 0.318 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.754 | 152  | 6247     | 0.351 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.555 | 330  | 324      | 0.119 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.661 | 172  | 8671     | 0.353 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.843 | 212  | 10382    | 0.384 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.466 | 244  | 6492     | 0.447 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 20) 4,6-Dinitro-2-methylph... | 16.262 | 198  | 5        | 0.140 | ng    | # 1      |
| 25) Phenanthrene              | 16.846 | 178  | 714      | 0.023 | ng    | # 97     |
| 28) Fluoranthene              | 18.876 | 202  | 780      | 0.022 | ng    | # 92     |
| -----                         |        |      |          |       |       |          |

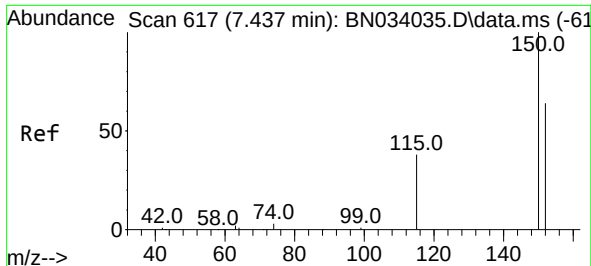
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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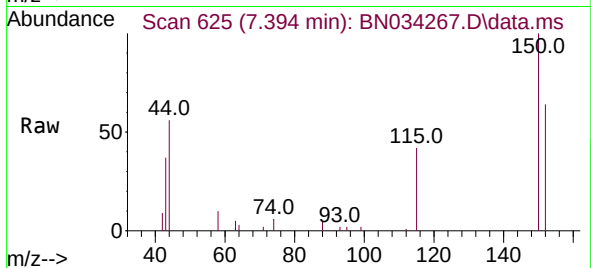
Quant Time: Sep 27 07:13:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 26 14:44:02 2024  
Response via : Initial Calibration



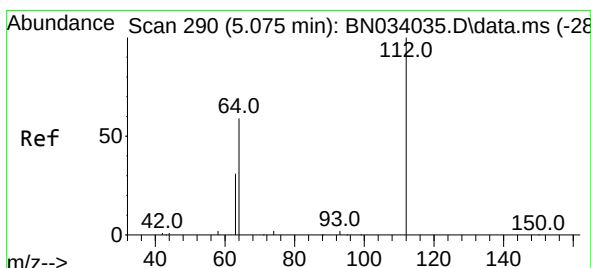
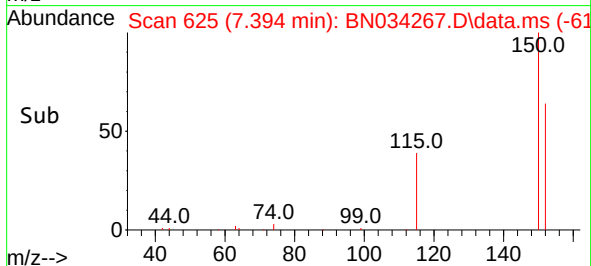
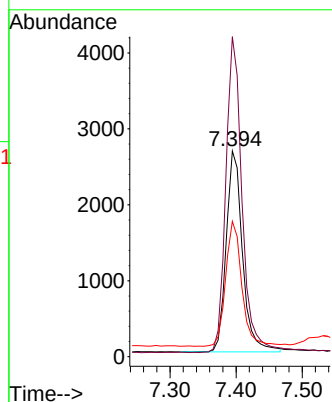


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.394 min Scan# 617  
Delta R.T. 0.000 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-20240920

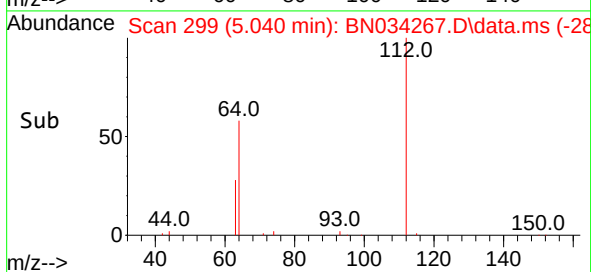
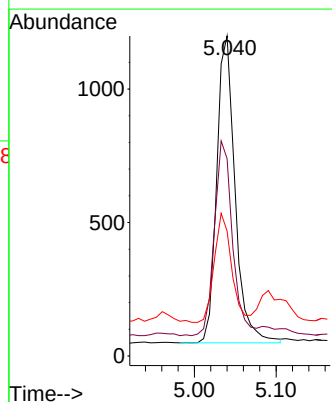
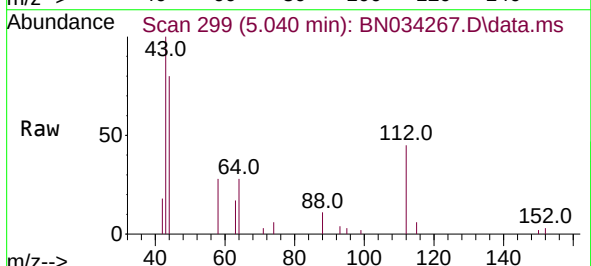


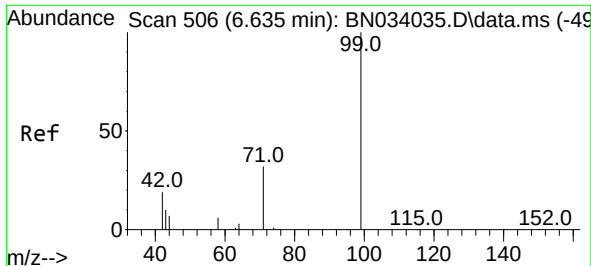
Tgt Ion:152 Resp: 4544  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.6 187.0  
115 65.8 50.0 75.0



#4  
2-Fluorophenol  
Concen: 0.139 ng  
RT: 5.040 min Scan# 299  
Delta R.T. 0.007 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Tgt Ion:112 Resp: 1793  
Ion Ratio Lower Upper  
112 100  
64 62.6 48.6 72.8  
63 32.9 25.6 38.4

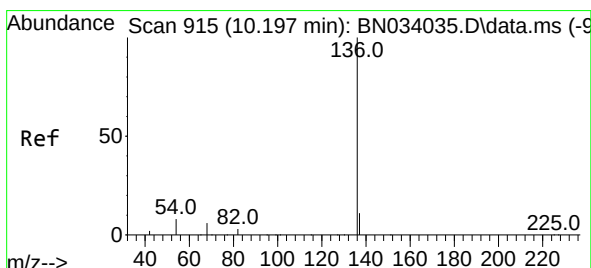
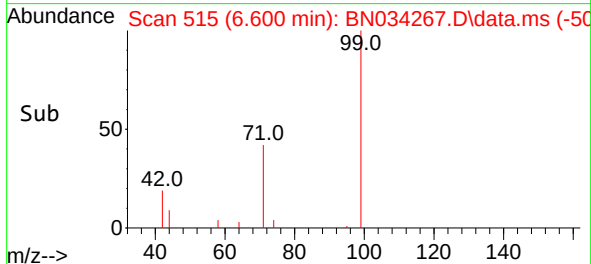
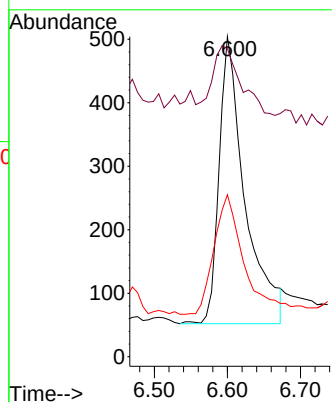
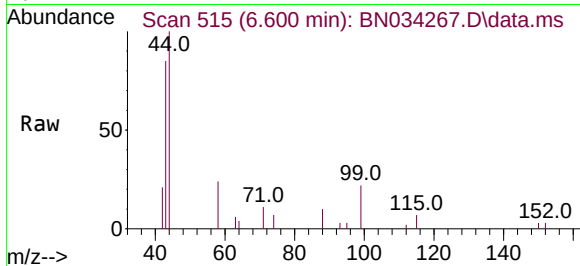




#5  
Phenol-d6  
Concen: 0.074 ng  
RT: 6.600 min Scan# 515  
Delta R.T. 0.000 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

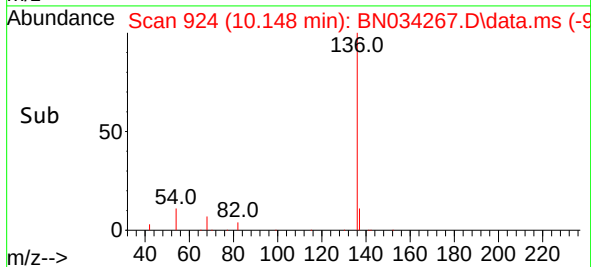
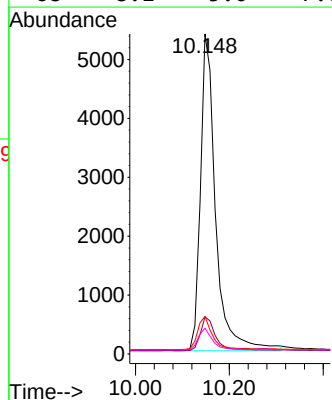
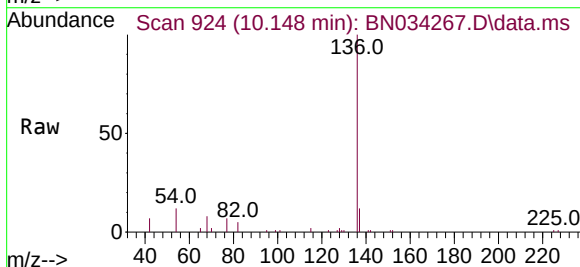
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BNA\_N  
ClientSampleId :  
EB02-20240920

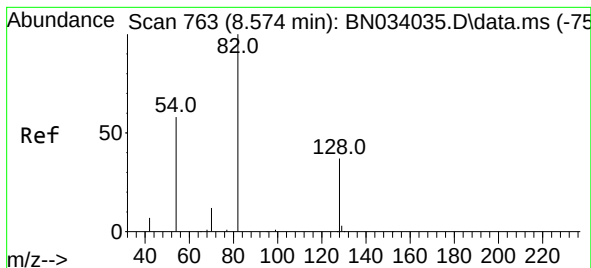
Tgt Ion: 99 Resp: 1108  
Ion Ratio Lower Upper  
99 100  
42 26.1 17.8 26.8  
71 47.2 26.2 39.2#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.148 min Scan# 924  
Delta R.T. 0.000 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Tgt Ion: 136 Resp: 12051  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.0 13.6  
54 11.7 6.8 10.2#  
68 8.1 5.0 7.6#

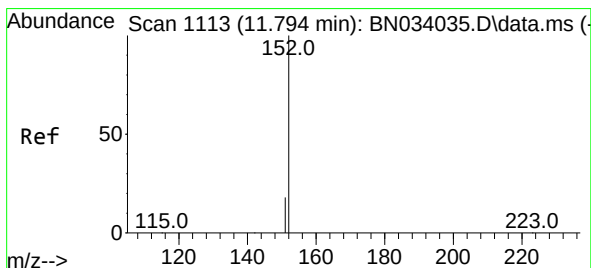
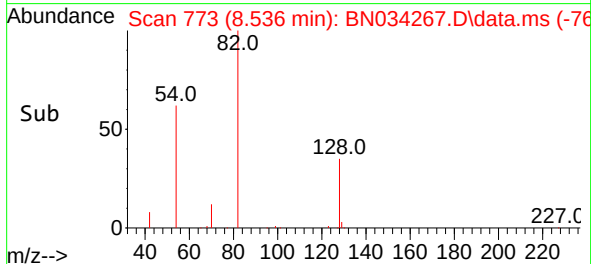
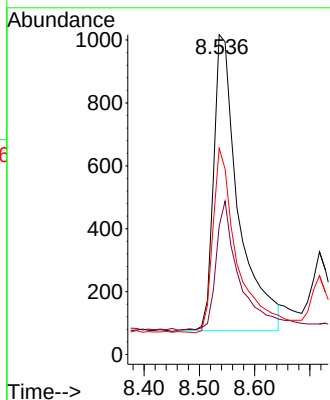
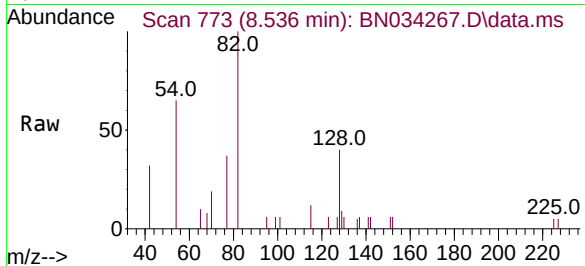




#8  
Nitrobenzene-d5  
Concen: 0.318 ng  
RT: 8.536 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

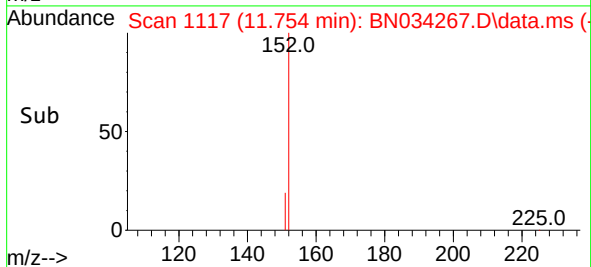
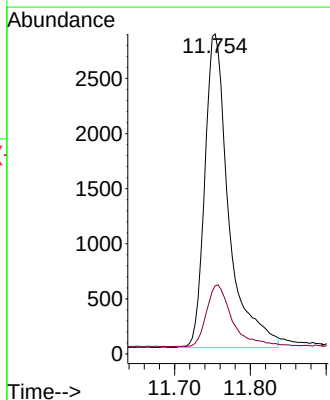
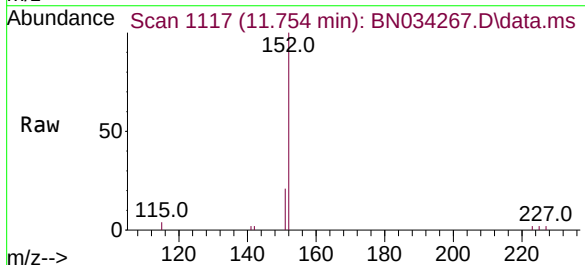
Instrument :  
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ClientSampleId :  
EB02-20240920

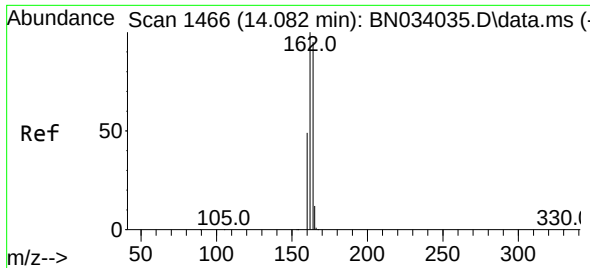
Tgt Ion: 82 Resp: 2935  
Ion Ratio Lower Upper  
82 100  
128 40.1 31.4 47.2  
54 64.5 47.4 71.0



#11  
2-Methylnaphthalene-d10  
Concen: 0.351 ng  
RT: 11.754 min Scan# 1117  
Delta R.T. 0.000 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Tgt Ion: 152 Resp: 6247  
Ion Ratio Lower Upper  
152 100  
151 21.2 16.8 25.2

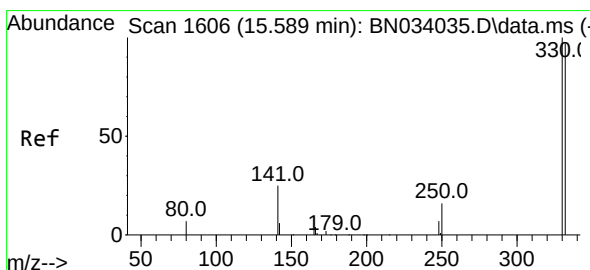
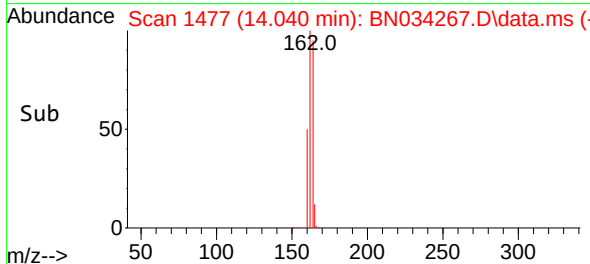
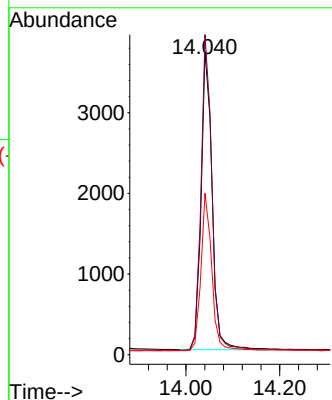
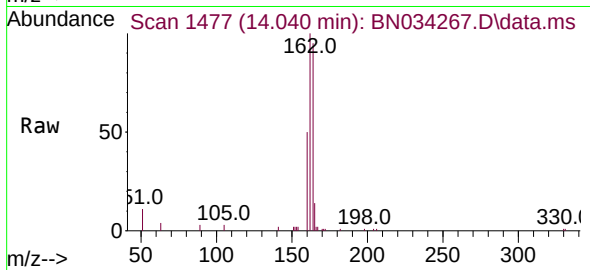




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.040 min Scan# 14  
Delta R.T. -0.007 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

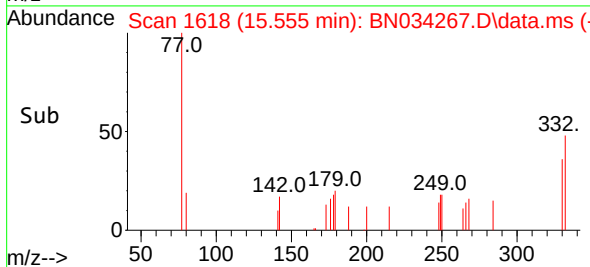
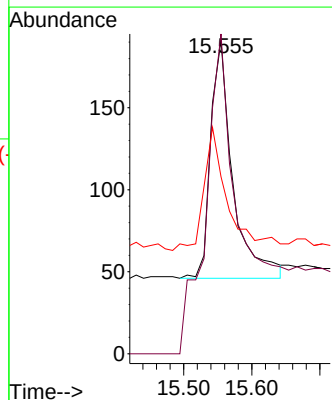
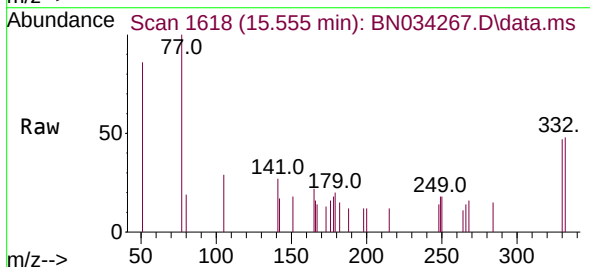
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-20240920

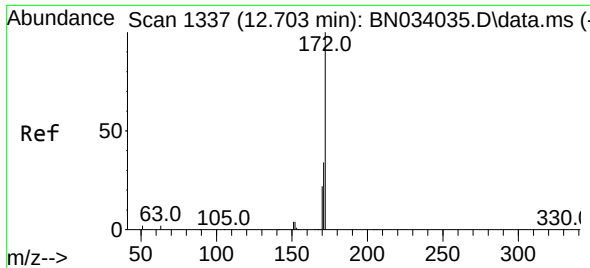
Tgt Ion:164 Resp: 6032  
Ion Ratio Lower Upper  
164 100  
162 105.6 84.2 126.2  
160 53.3 41.7 62.5



#14  
2,4,6-Tribromophenol  
Concen: 0.119 ng  
RT: 15.555 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Tgt Ion:330 Resp: 324  
Ion Ratio Lower Upper  
330 100  
332 219.8 77.4 116.0#  
141 55.2 35.9 53.9#

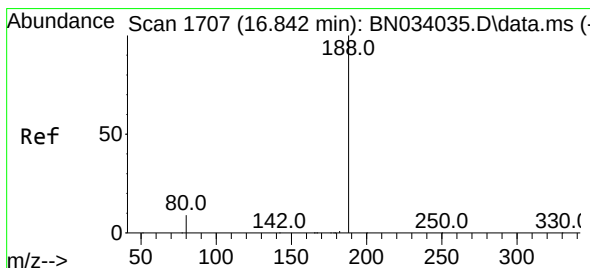
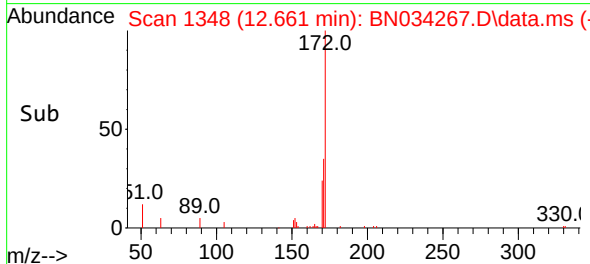
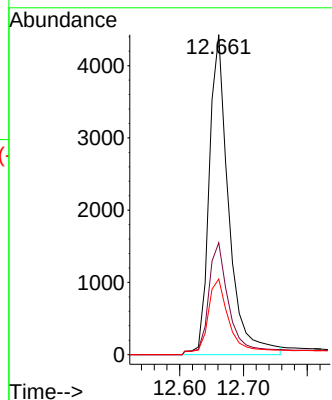
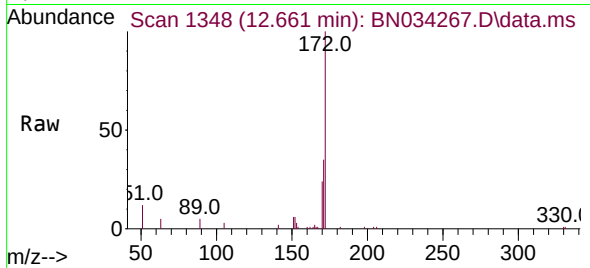




#15  
2-Fluorobiphenyl  
Concen: 0.353 ng  
RT: 12.661 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

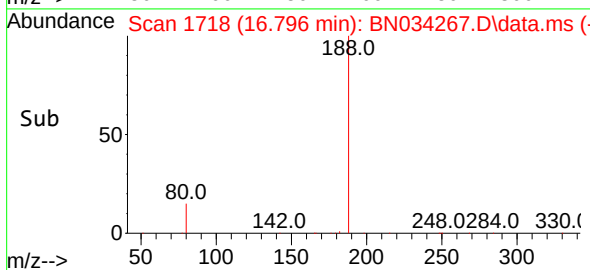
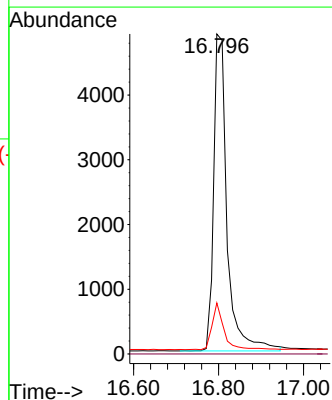
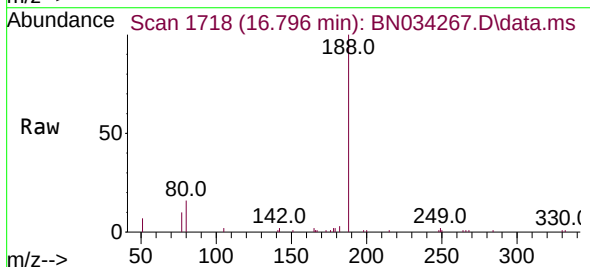
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-20240920

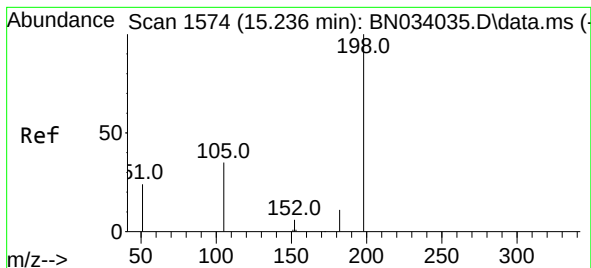
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|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 8671 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 35.0  | 27.3  | 40.9 |
| 170       | 23.7  | 18.1  | 27.1 |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.796 min Scan# 1718  
Delta R.T. -0.007 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 10716 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 15.9  | 7.4   | 11.0  |

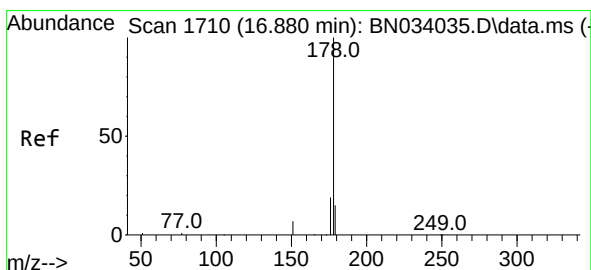
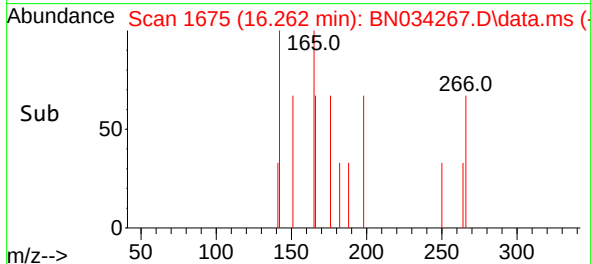
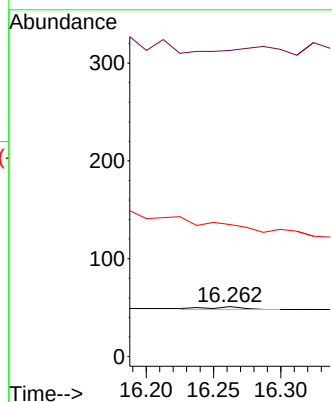
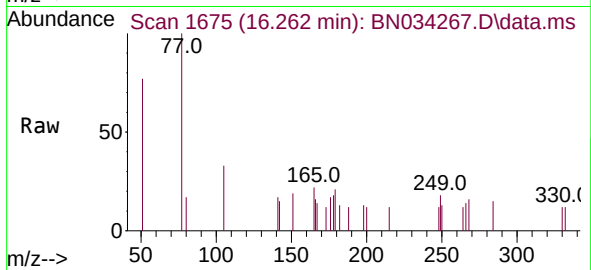




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.140 ng  
RT: 16.262 min Scan# 1  
Delta R.T. -0.044 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

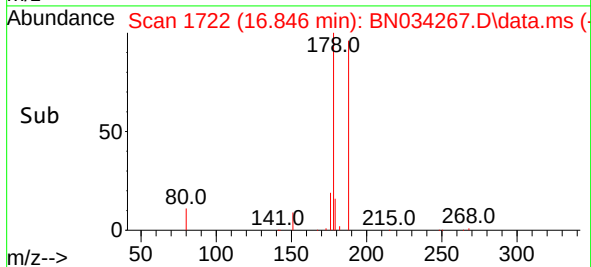
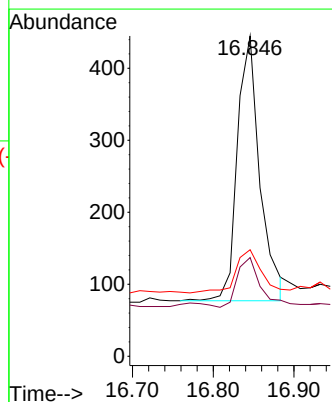
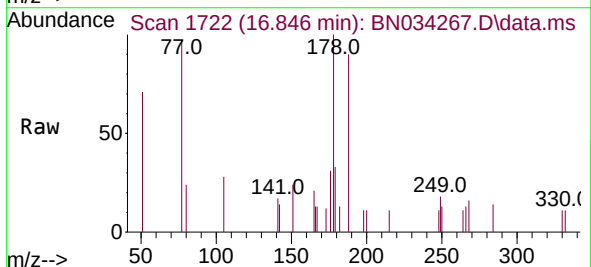
Instrument :  
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Tgt Ion:198 Resp: 5  
Ion Ratio Lower Upper  
198 100  
51 613.7 106.4 159.6#  
105 264.7 38.5 57.7#

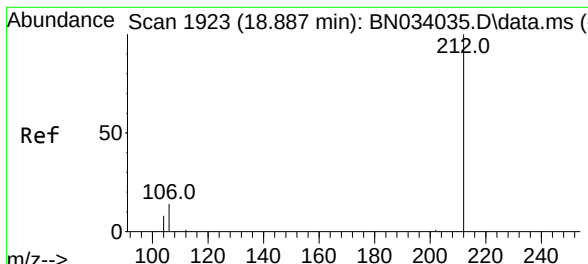


#25  
Phenanthrene  
Concen: 0.023 ng  
RT: 16.846 min Scan# 1722  
Delta R.T. 0.006 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Tgt Ion:178 Resp: 714  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 18.2 12.1 18.1#



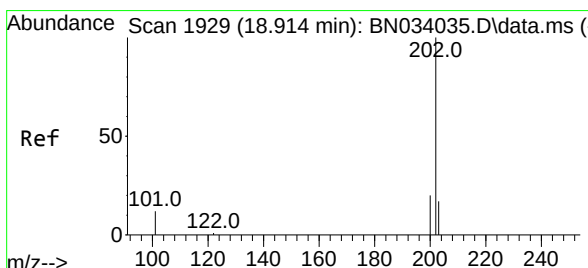
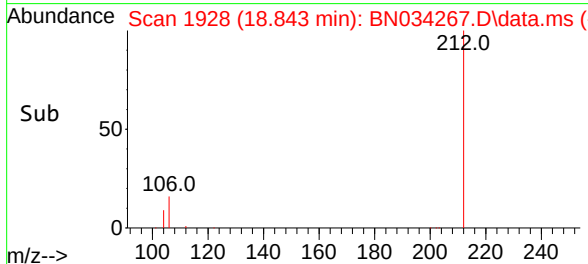
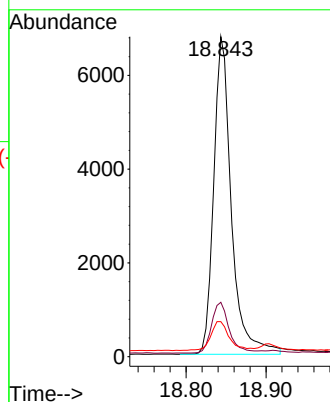
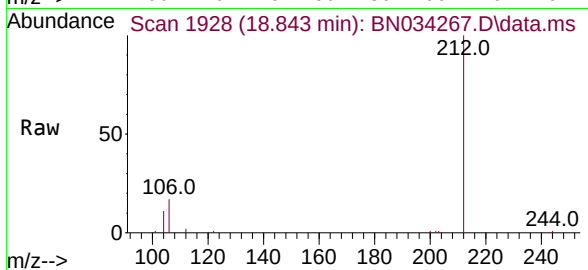




#27  
Fluoranthene-d10  
Concen: 0.384 ng  
RT: 18.843 min Scan# 1928  
Delta R.T. -0.002 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

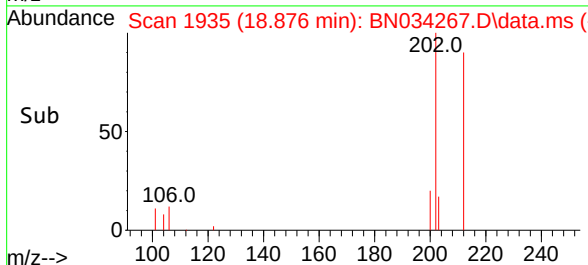
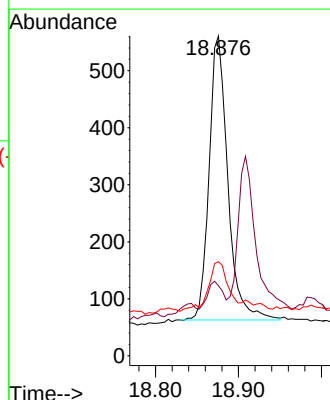
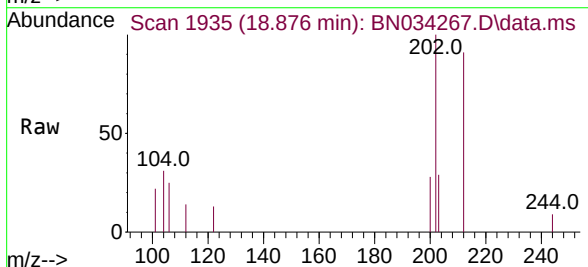
Instrument :  
BNA\_N  
ClientSampleId :  
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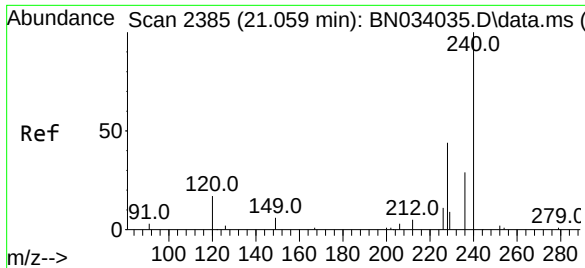
Tgt Ion:212 Resp: 10382  
Ion Ratio Lower Upper  
212 100  
106 16.0 13.4 20.2  
104 9.8 7.8 11.6



#28  
Fluoranthene  
Concen: 0.022 ng  
RT: 18.876 min Scan# 1935  
Delta R.T. -0.002 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Tgt Ion:202 Resp: 780  
Ion Ratio Lower Upper  
202 100  
101 7.9 10.1 15.1#  
203 19.1 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.017 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN034267.D

Acq: 27 Sep 2024 06:45

Instrument :

BNA\_N

ClientSampleId :

EB02-20240920

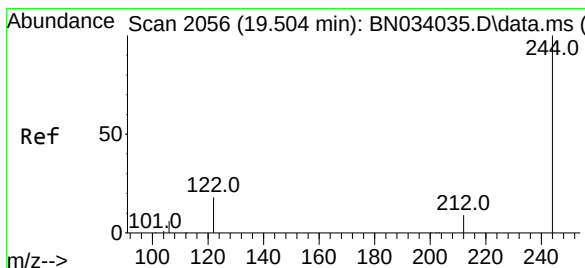
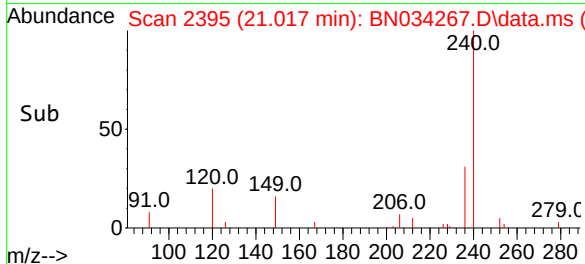
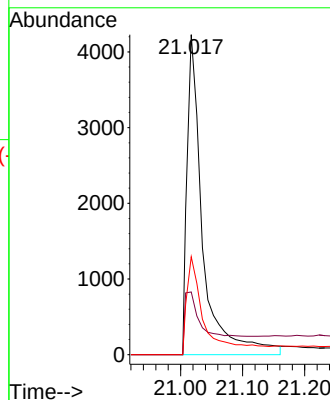
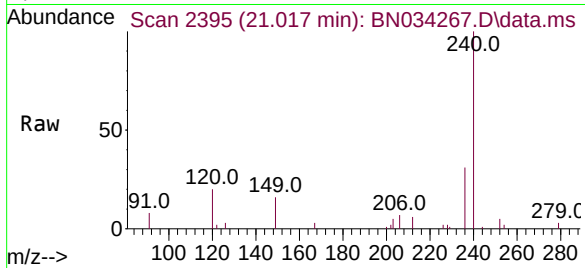
Tgt Ion:240 Resp: 7265

Ion Ratio Lower Upper

240 100

120 19.6 13.5 20.3

236 30.6 23.4 35.0



#31

Terphenyl-d14

Concen: 0.447 ng

RT: 19.466 min Scan# 2062

Delta R.T. -0.002 min

Lab File: BN034267.D

Acq: 27 Sep 2024 06:45

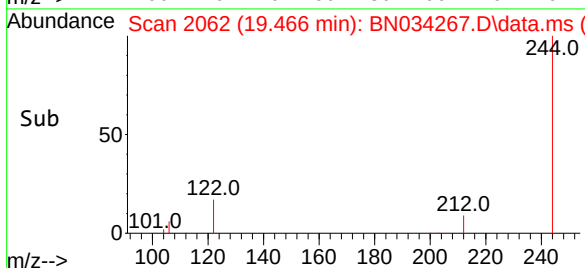
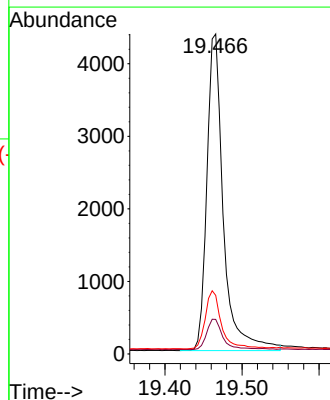
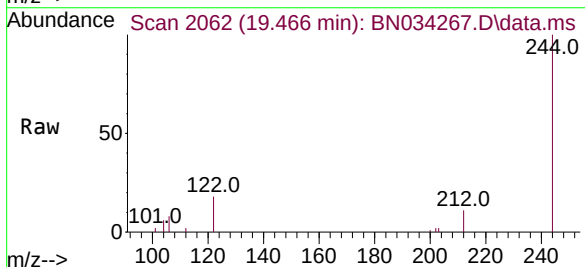
Tgt Ion:244 Resp: 6492

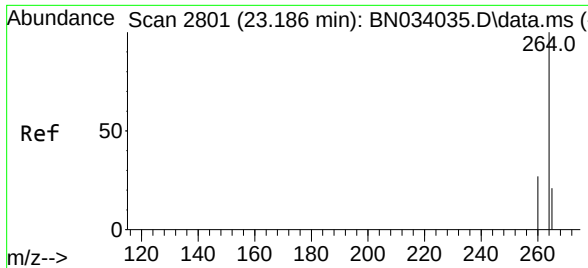
Ion Ratio Lower Upper

244 100

212 10.8 7.8 11.6

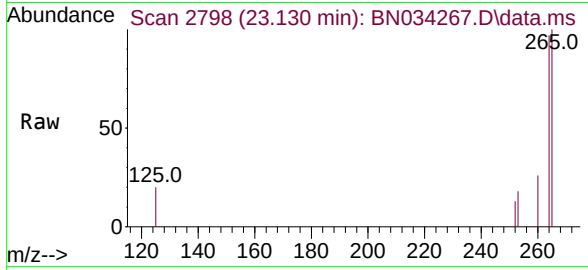
122 18.3 14.8 22.2





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.130 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BN034267.D  
Acq: 27 Sep 2024 06:45

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-20240920



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 264   | Resp: | 7133  |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 26.9  | 21.7  | 32.5  |
| 265      | 103.6 | 52.1  | 78.1  |

