

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070924\  
 Data File : BN032591.D  
 Acq On : 09 Jul 2024 17:03  
 Operator : MA/JU  
 Sample : P3173-04  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 09 17:37:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 02:39:48 2024  
 Response via : Initial Calibration

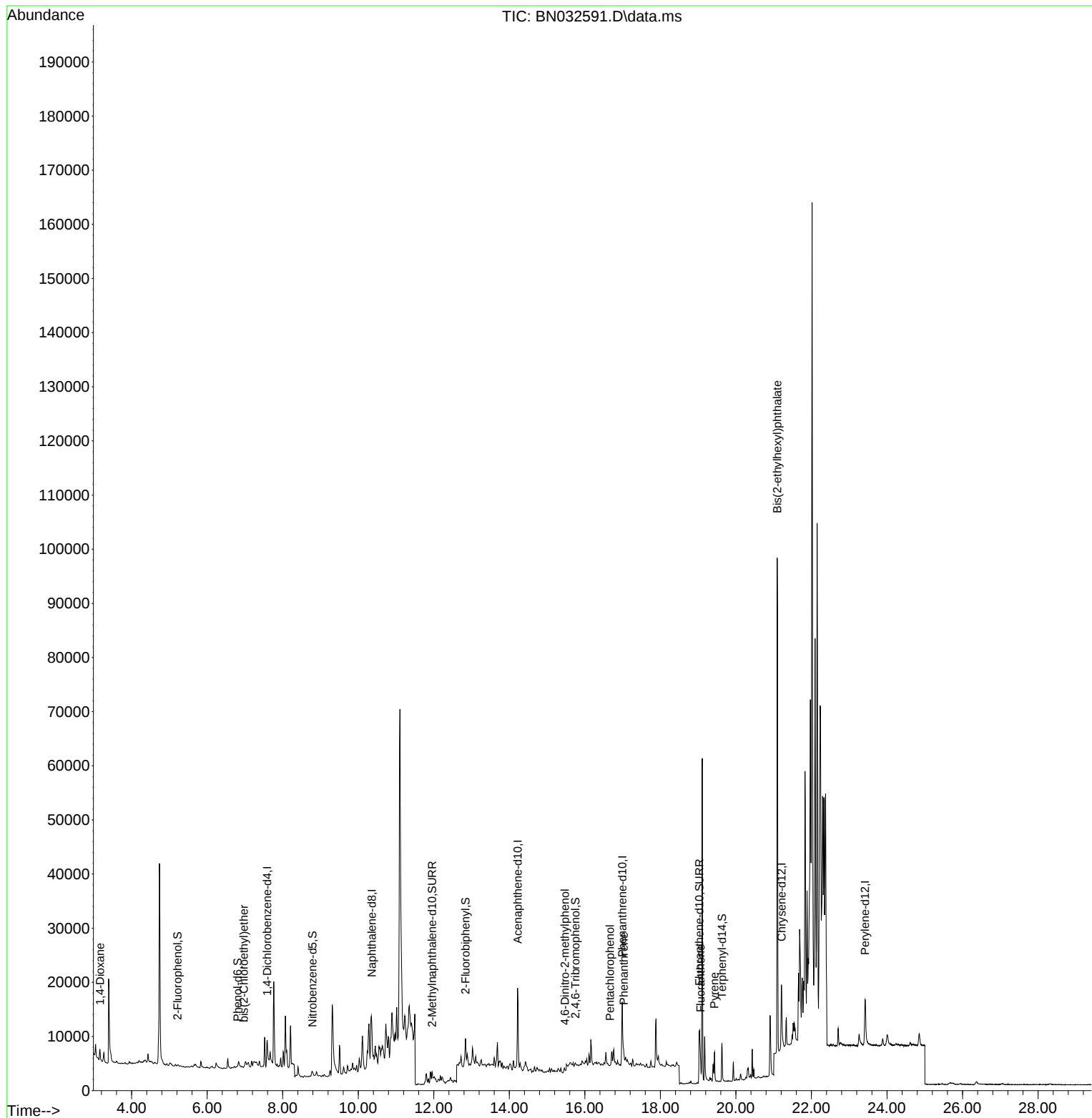
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.588  | 152  | 3951     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.357 | 136  | 13398    | 0.400 | ng    | #-0.02   |
| 13) Acenaphthene-d10          | 14.220 | 164  | 9304     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.991 | 188  | 19578    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.211 | 240  | 15442    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.422 | 264  | 14141    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.219  | 112  | 596      | 0.060 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.808  | 99   | 608      | 0.048 | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 8.787  | 82   | 1639     | 0.164 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 11.956 | 152  | 3777     | 0.178 | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol      | 15.750 | 330  | 361      | 0.086 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.841 | 172  | 5934     | 0.173 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.035 | 212  | 9978     | 0.196 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.629 | 244  | 6816     | 0.181 | ng    | -0.02    |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.161  | 88   | 1484     | 0.285 | ng    | # 77     |
| 6) bis(2-Chloroethyl)ether    | 6.974  | 93   | 114      | 0.096 | ng    | # 24     |
| 20) 4,6-Dinitro-2-methylph... | 15.471 | 198  | 54       | 0.215 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.668 | 266  | 57       | 0.178 | ng    | # 73     |
| 25) Phenanthrene              | 17.028 | 178  | 1804     | 0.034 | ng    | # 75     |
| 28) Fluoranthene              | 19.063 | 202  | 1838     | 0.029 | ng    | # 1      |
| 30) Pyrene                    | 19.430 | 202  | 2013     | 0.032 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.094 | 149  | 87628    | 2.525 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

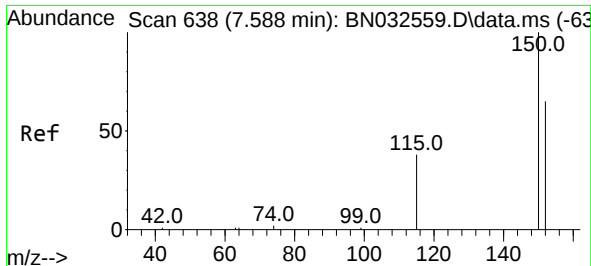
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070924\  
Data File : BN032591.D  
Acq On : 09 Jul 2024 17:03  
Operator : MA/JU  
Sample : P3173-04  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

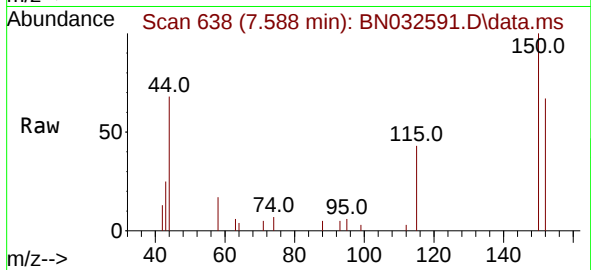
Quant Time: Jul 09 17:37:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN070924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 09 02:39:48 2024  
Response via : Initial Calibration



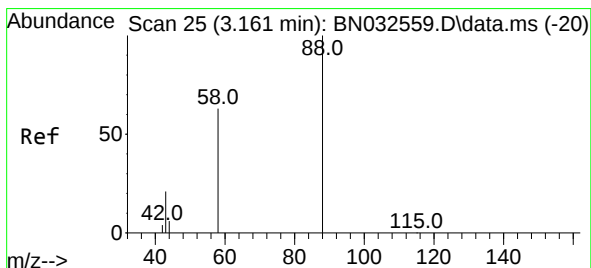
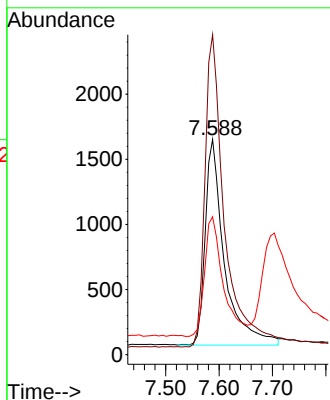
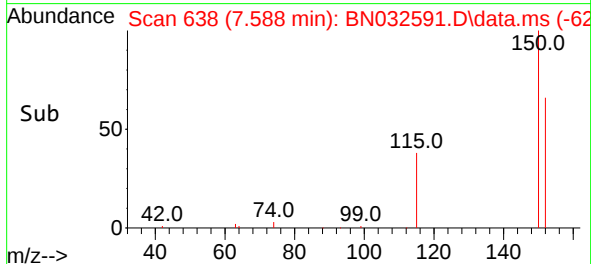


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.588 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN032591.D  
 Acq: 09 Jul 2024 17:03

Instrument :  
 BNA\_N  
 ClientSampleId :

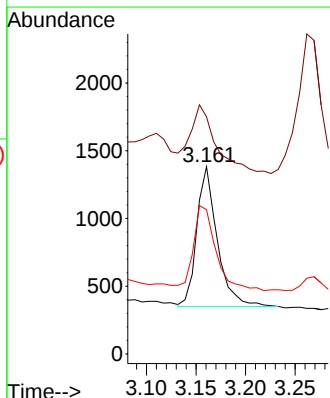
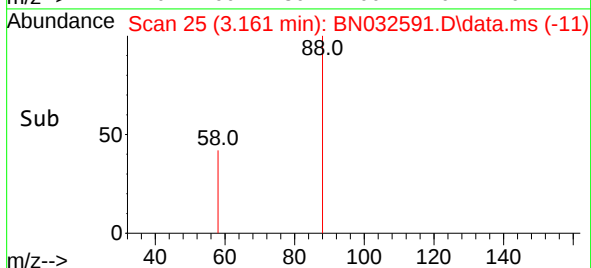
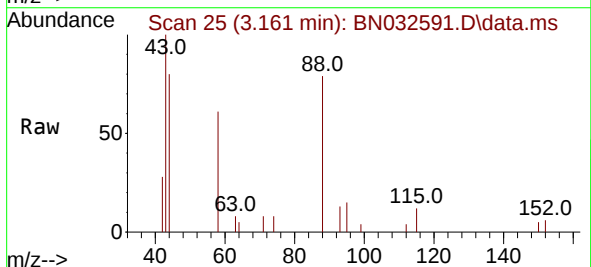


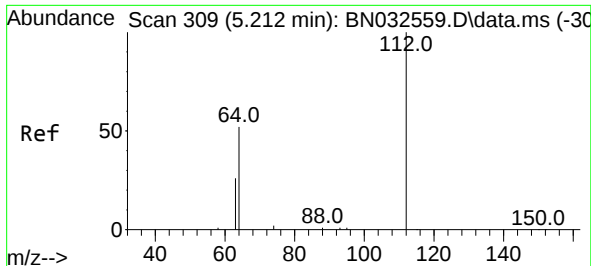
Tgt Ion:152 Resp: 3951  
 Ion Ratio Lower Upper  
 152 100  
 150 148.6 121.6 182.4  
 115 64.1 53.1 79.7



#2  
 1,4-Dioxane  
 Concen: 0.285 ng  
 RT: 3.161 min Scan# 25  
 Delta R.T. -0.000 min  
 Lab File: BN032591.D  
 Acq: 09 Jul 2024 17:03

Tgt Ion: 88 Resp: 1484  
 Ion Ratio Lower Upper  
 88 100  
 43 62.8 20.4 30.6#  
 58 65.4 51.0 76.6

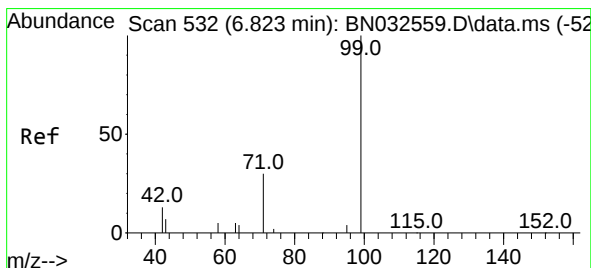
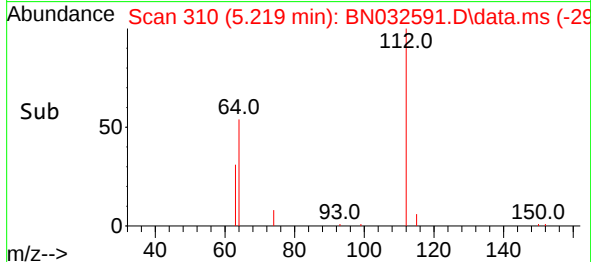
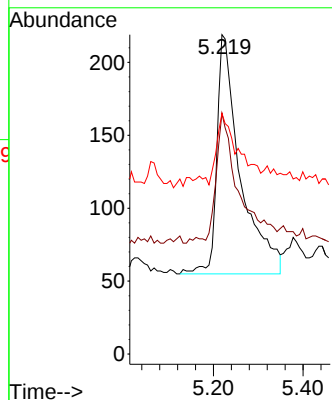
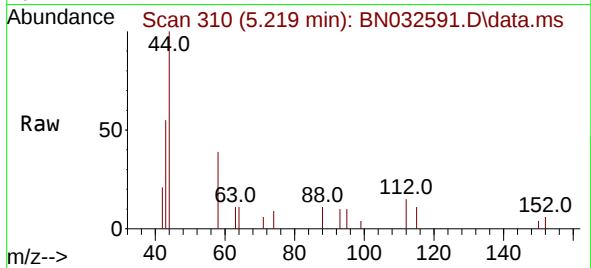




#4  
2-Fluorophenol  
Concen: 0.060 ng  
RT: 5.219 min Scan# 310  
Delta R.T. 0.007 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

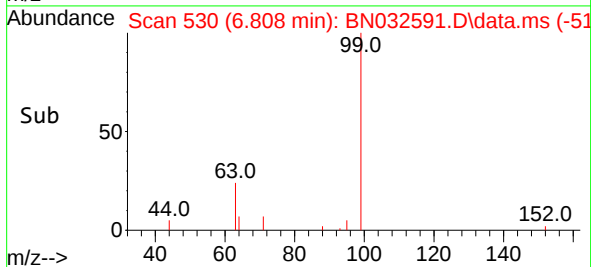
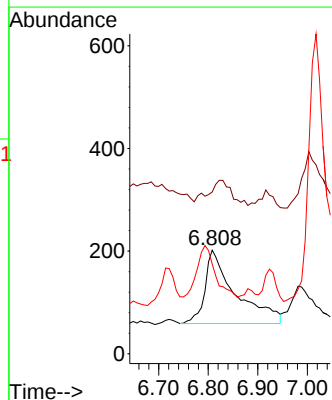
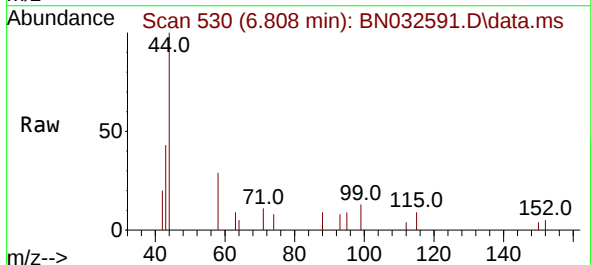
Instrument :  
BNA\_N  
ClientSampleId :

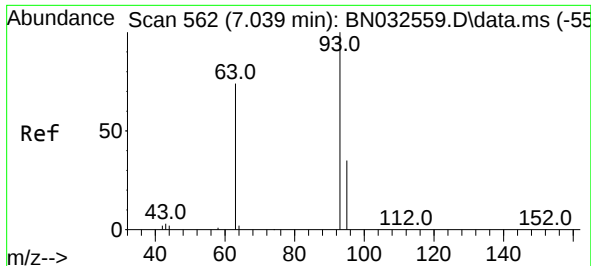
Tgt Ion:112 Resp: 596  
Ion Ratio Lower Upper  
112 100  
64 49.0 41.2 61.8  
63 27.7 21.6 32.4



#5  
Phenol-d6  
Concen: 0.048 ng  
RT: 6.808 min Scan# 530  
Delta R.T. -0.015 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion: 99 Resp: 608  
Ion Ratio Lower Upper  
99 100  
42 21.1 10.6 16.0#  
71 0.0 25.2 37.8#

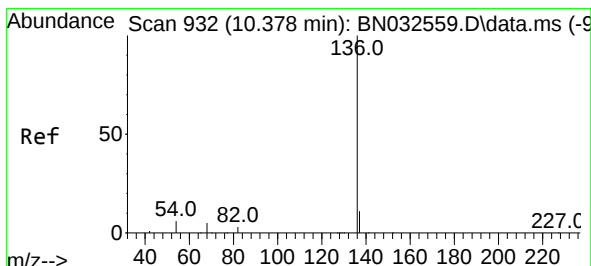
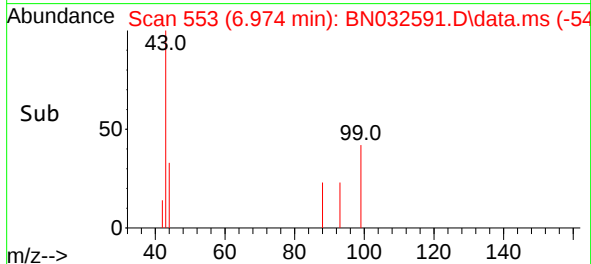
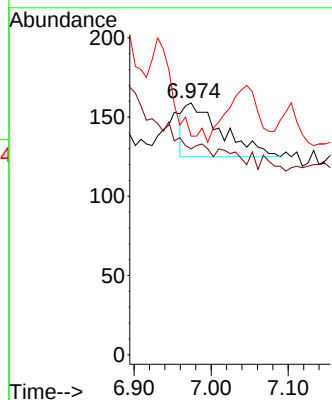
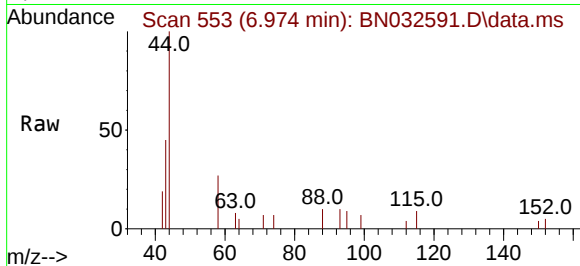




#6  
bis(2-Chloroethyl)ether  
Concen: 0.096 ng  
RT: 6.974 min Scan# 511  
Delta R.T. -0.065 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

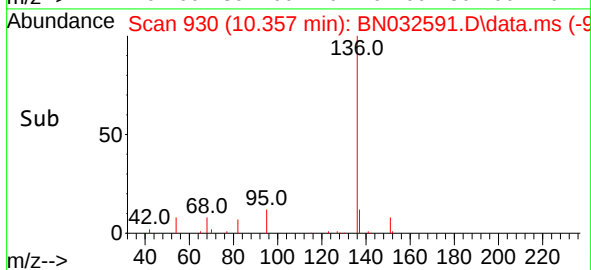
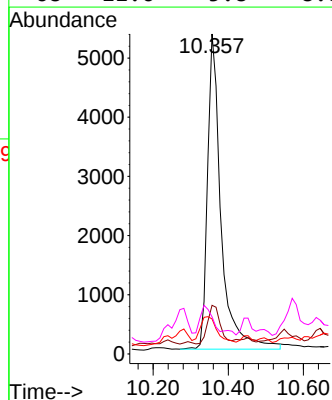
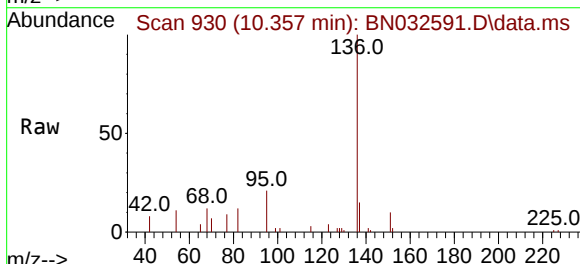
Instrument :  
BNA\_N  
ClientSampleId :

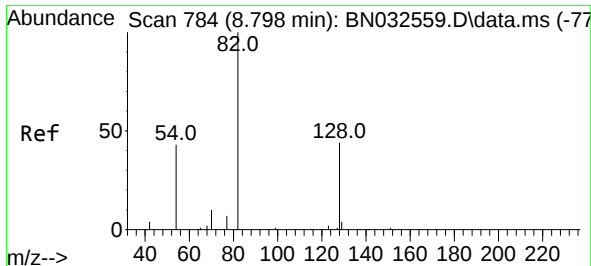
Tgt Ion: 93 Resp: 114  
Ion Ratio Lower Upper  
93 100  
63 0.0 54.1 81.1#  
95 0.0 30.5 45.7#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.357 min Scan# 930  
Delta R.T. -0.021 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion:136 Resp: 13398  
Ion Ratio Lower Upper  
136 100  
137 15.2 10.0 15.0#  
54 10.9 6.6 9.8#  
68 11.6 5.8 8.8#

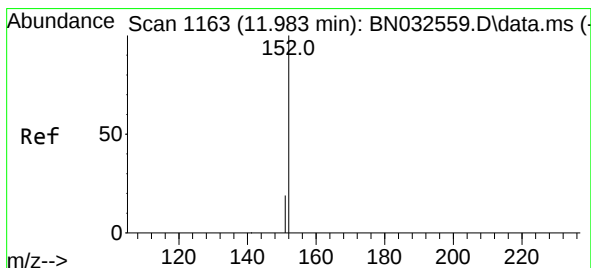
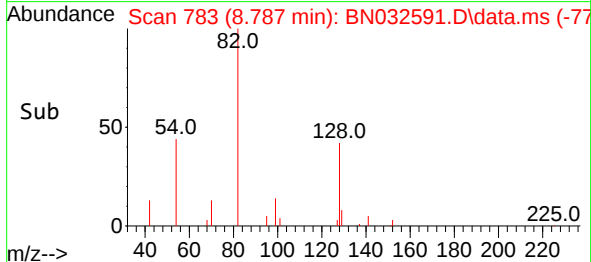
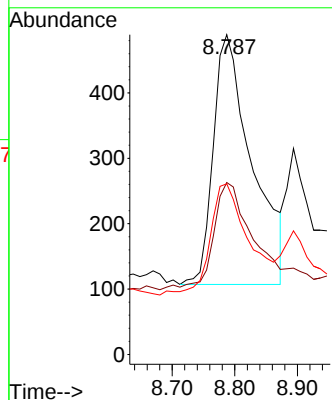
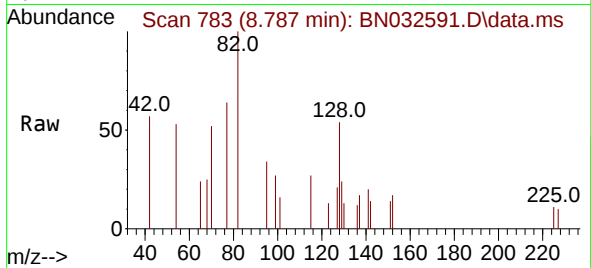




#8  
Nitrobenzene-d5  
Concen: 0.164 ng  
RT: 8.787 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

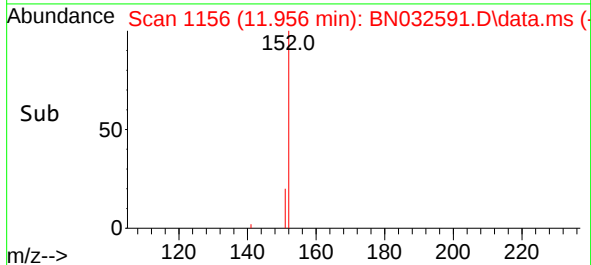
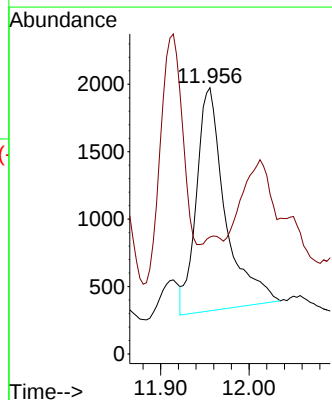
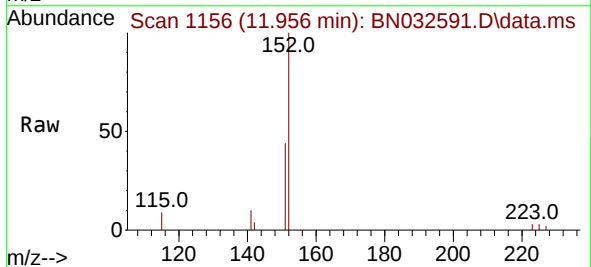
Instrument :  
BNA\_N  
ClientSampleId :

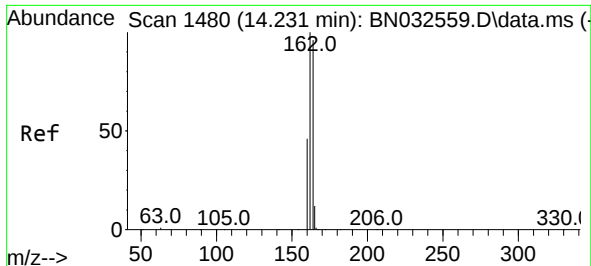
Tgt Ion: 82 Resp: 1639  
Ion Ratio Lower Upper  
82 100  
128 53.8 43.4 65.2  
54 53.4 40.2 60.2



#11  
2-Methylnaphthalene-d10  
Concen: 0.178 ng  
RT: 11.956 min Scan# 1156  
Delta R.T. -0.027 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion:152 Resp: 3777  
Ion Ratio Lower Upper  
152 100  
151 0.0 16.4 24.6#

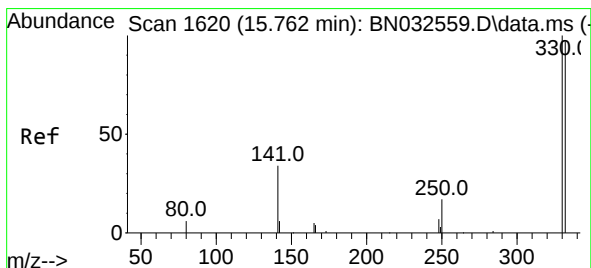
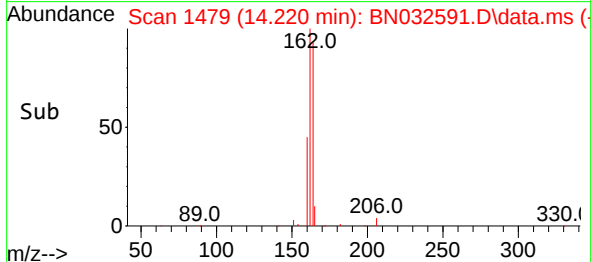
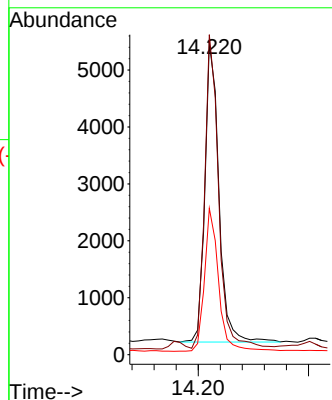
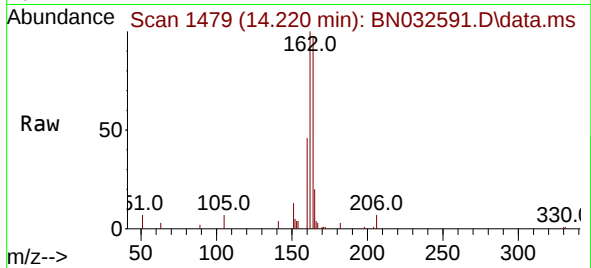




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.220 min Scan# 14  
Delta R.T. -0.011 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

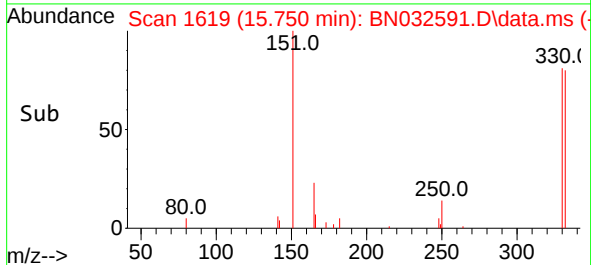
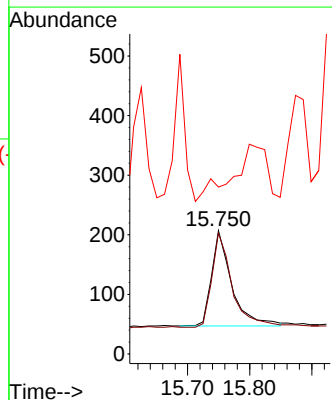
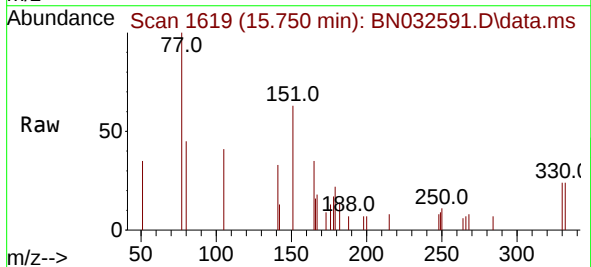
Instrument :  
BNA\_N  
ClientSampleId :

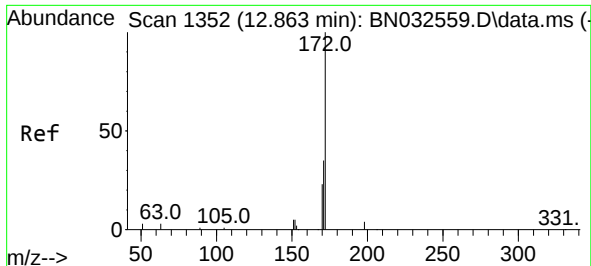
Tgt Ion:164 Resp: 9304  
Ion Ratio Lower Upper  
164 100  
162 102.7 83.2 124.8  
160 47.0 38.6 57.8



#14  
2,4,6-Tribromophenol  
Concen: 0.086 ng  
RT: 15.750 min Scan# 1619  
Delta R.T. -0.013 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion:330 Resp: 361  
Ion Ratio Lower Upper  
330 100  
332 98.9 77.7 116.5  
141 0.0 31.8 47.8#

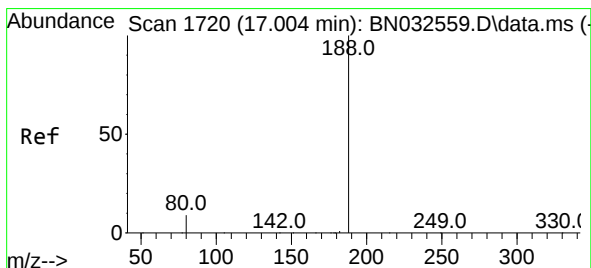
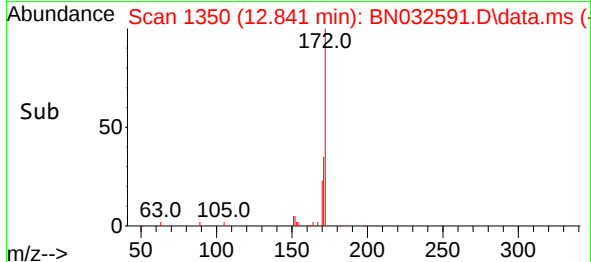
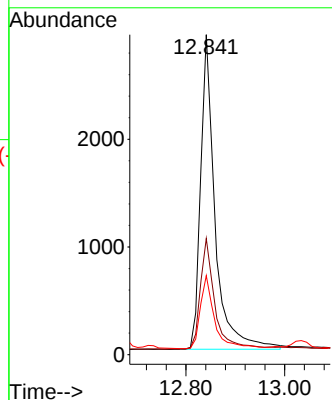
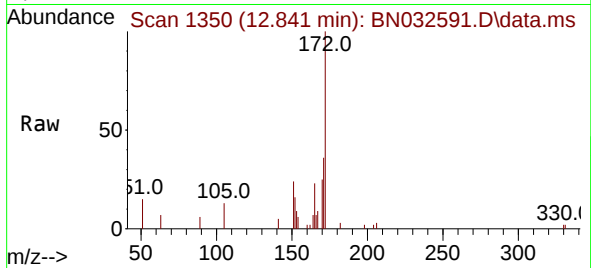




#15  
2-Fluorobiphenyl  
Concen: 0.173 ng  
RT: 12.841 min Scan# 11  
Delta R.T. -0.022 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

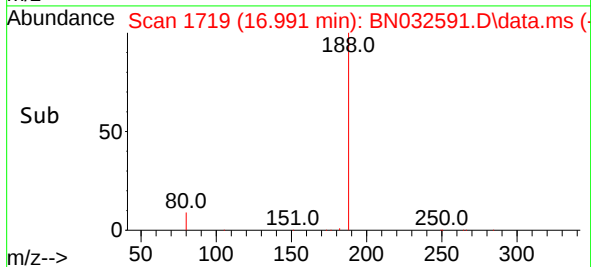
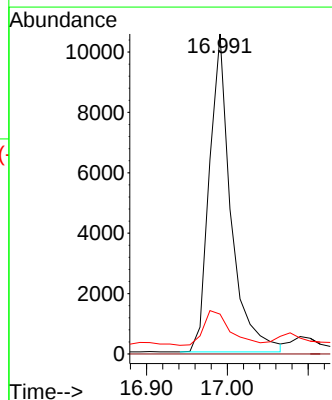
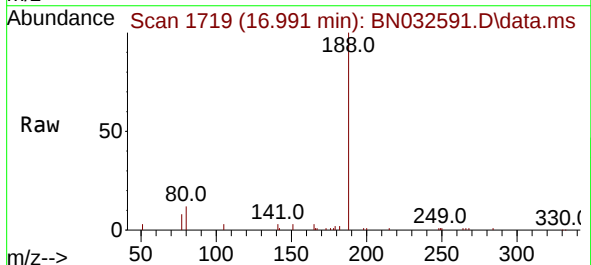
Instrument :  
BNA\_N  
ClientSampleId :

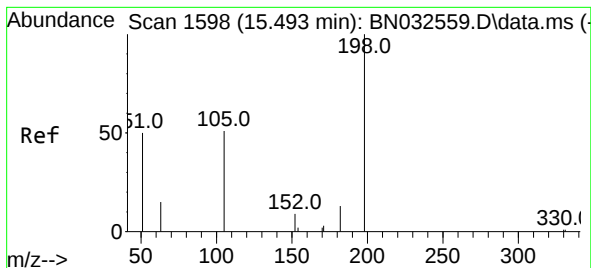
Tgt Ion:172 Resp: 5934  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.5 42.7  
170 24.7 19.2 28.8



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.991 min Scan# 1719  
Delta R.T. -0.013 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion:188 Resp: 19578  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.5 7.8 11.6#

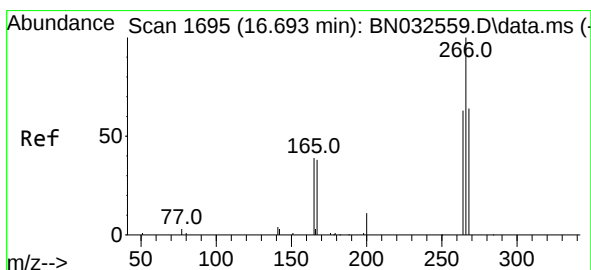
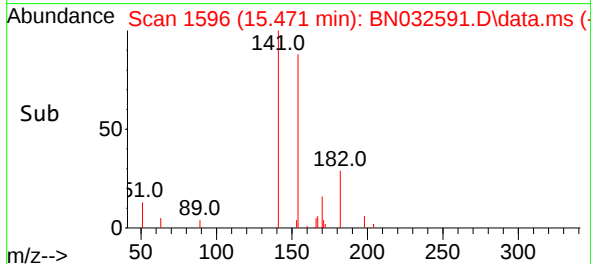
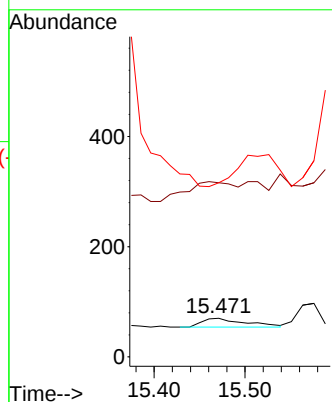
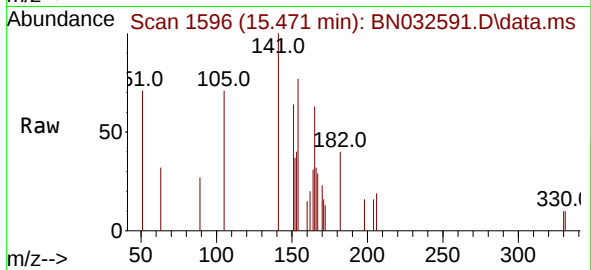




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.215 ng  
RT: 15.471 min Scan# 1598  
Delta R.T. -0.022 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

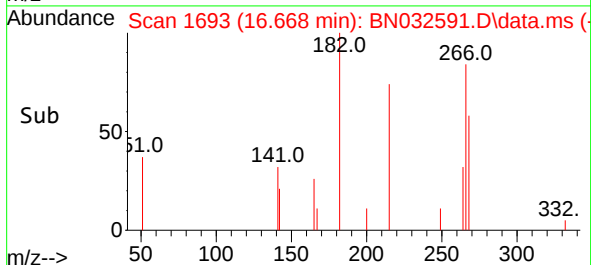
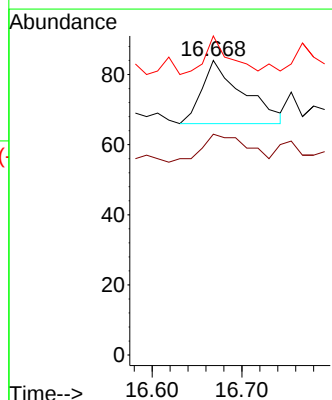
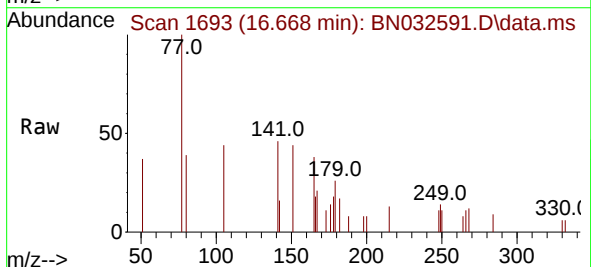
Instrument :  
BNA\_N  
ClientSampleId :

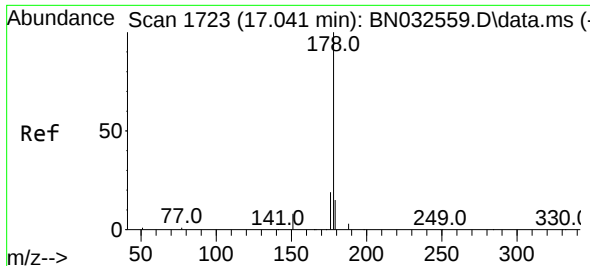
Tgt Ion:198 Resp: 54  
Ion Ratio Lower Upper  
198 100  
51 451.4 123.4 185.2#  
105 451.4 79.5 119.3#



#24  
Pentachlorophenol  
Concen: 0.178 ng  
RT: 16.668 min Scan# 1693  
Delta R.T. -0.025 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

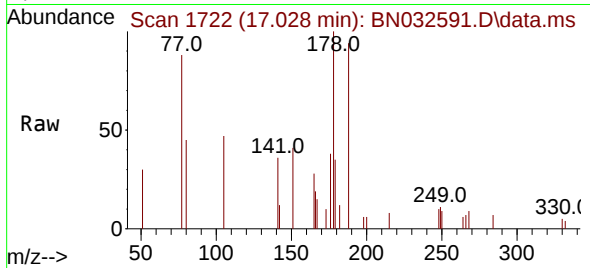
Tgt Ion:266 Resp: 57  
Ion Ratio Lower Upper  
266 100  
264 49.1 49.6 74.4#  
268 36.8 52.2 78.2#



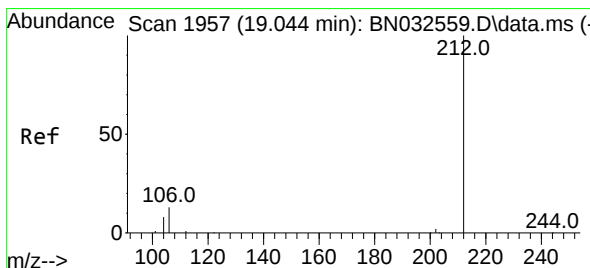
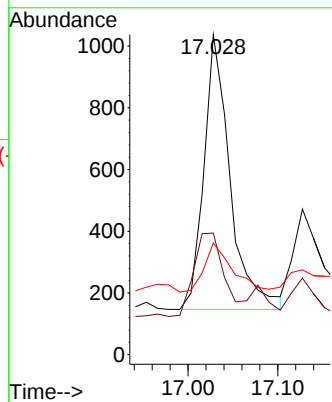
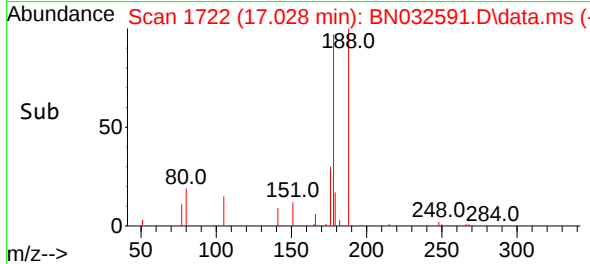


#25  
Phenanthrene  
Concen: 0.034 ng  
RT: 17.028 min Scan# 1722  
Delta R.T. -0.013 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

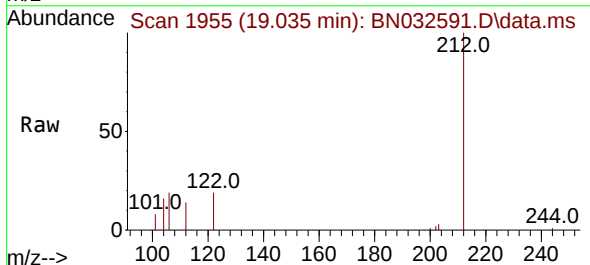
Instrument :  
BNA\_N  
ClientSampleId :



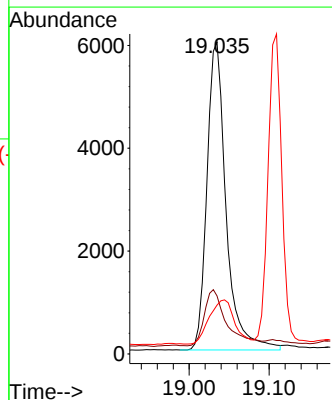
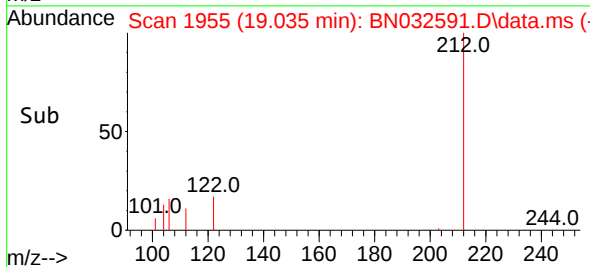
Tgt Ion:178 Resp: 1804  
Ion Ratio Lower Upper  
178 100  
176 35.9 15.2 22.8#  
179 19.1 12.2 18.4#

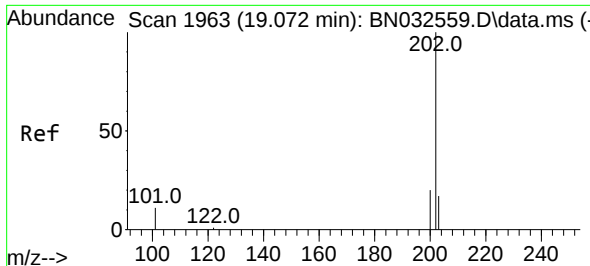


#27  
Fluoranthene-d10  
Concen: 0.196 ng  
RT: 19.035 min Scan# 1955  
Delta R.T. -0.010 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03



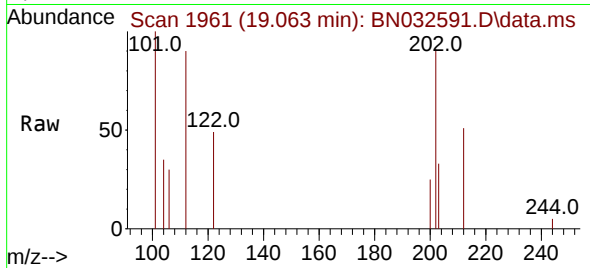
Tgt Ion:212 Resp: 9978  
Ion Ratio Lower Upper  
212 100  
106 21.4 11.8 17.8#  
104 19.1 6.9 10.3#



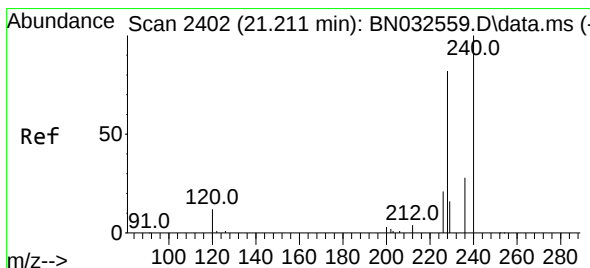
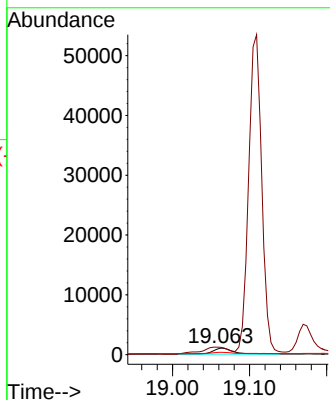
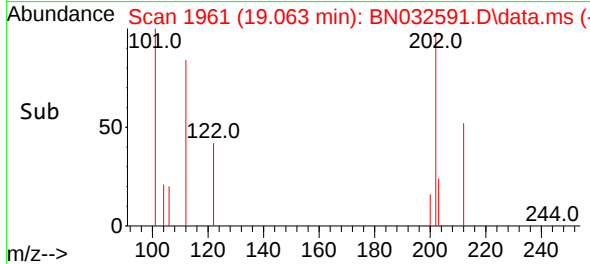


#28  
Fluoranthene  
Concen: 0.029 ng  
RT: 19.063 min Scan# 1961  
Delta R.T. -0.010 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Instrument :  
BNA\_N  
ClientSampleId :

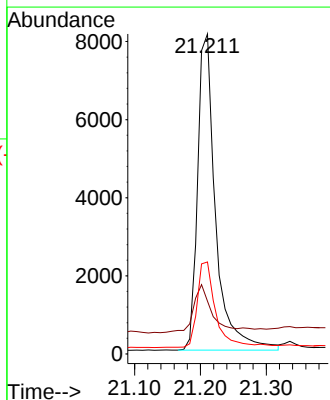
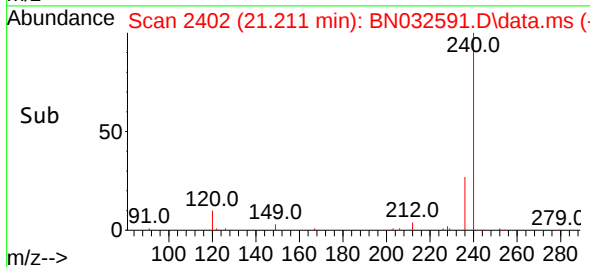
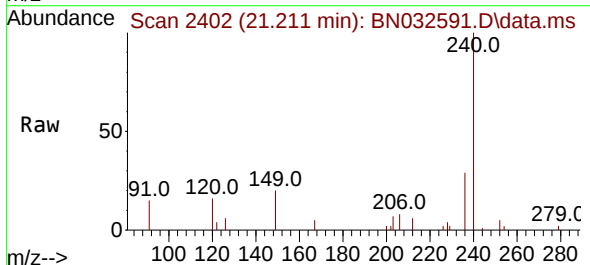


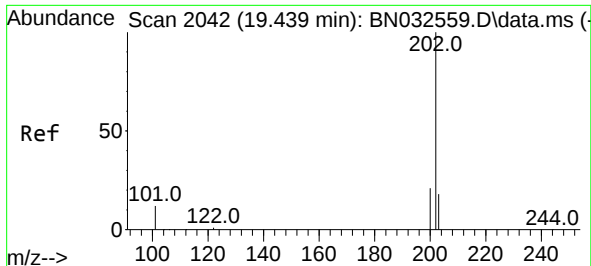
Tgt Ion:202 Resp: 1838  
Ion Ratio Lower Upper  
202 100  
101 149.8 9.5 14.3#  
203 33.8 13.8 20.6#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.211 min Scan# 2402  
Delta R.T. -0.000 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion:240 Resp: 15442  
Ion Ratio Lower Upper  
240 100  
120 16.5 13.0 19.4  
236 28.8 23.1 34.7

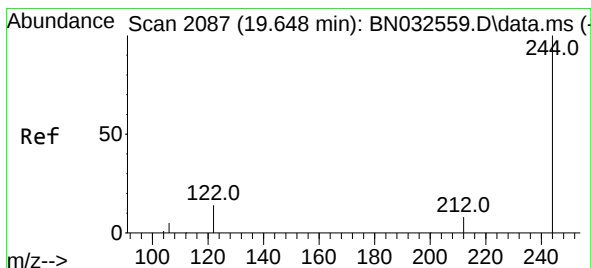
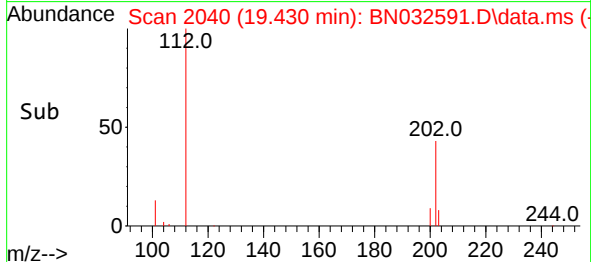
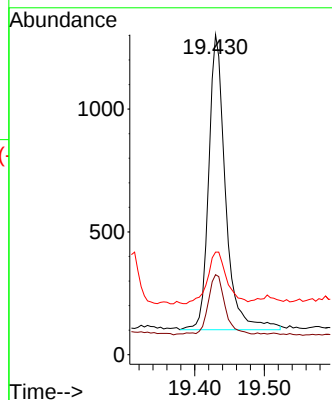
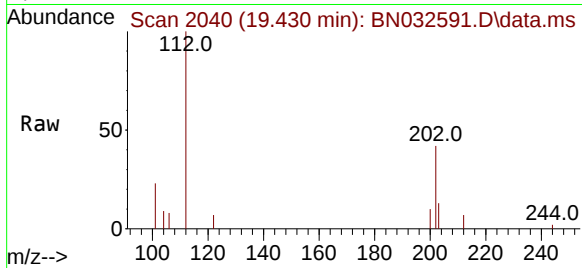




#30  
Pyrene  
Concen: 0.032 ng  
RT: 19.430 min Scan# 2040  
Delta R.T. -0.010 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

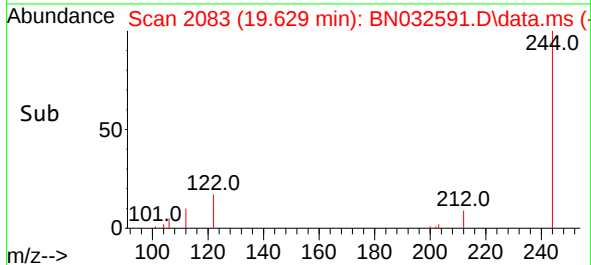
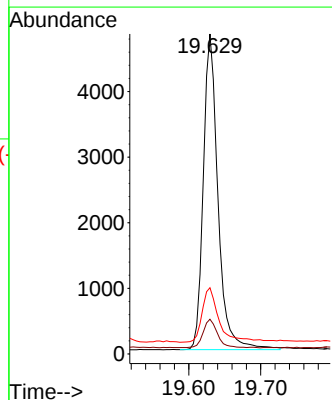
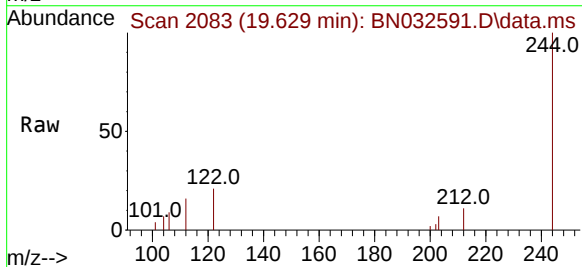
Instrument :  
BNA\_N  
ClientSampleId :

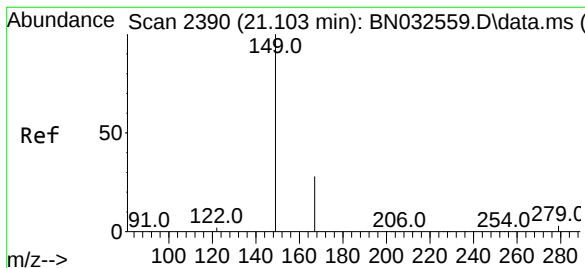
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 16.6  | 24.8  |
| 203     | 20.0  | 14.4  | 21.6  |



#31  
Terphenyl-d14  
Concen: 0.181 ng  
RT: 19.629 min Scan# 2083  
Delta R.T. -0.019 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.9  | 7.2   | 10.8# |
| 122     | 20.7  | 12.1  | 18.1# |

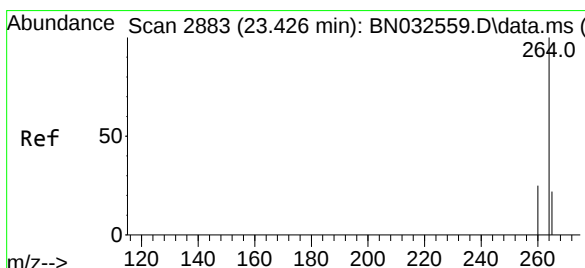
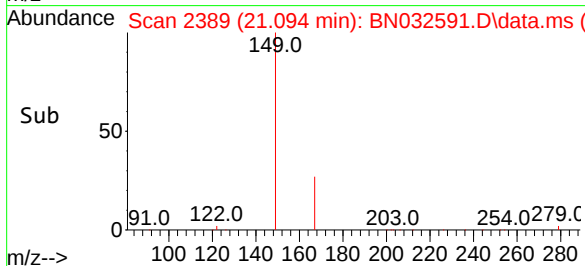
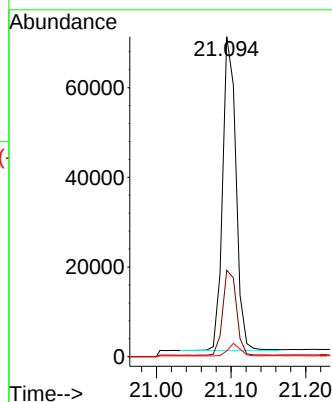
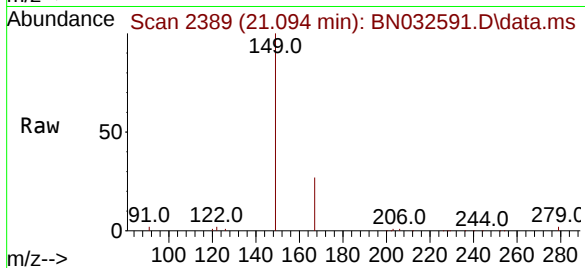




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 2.525 ng  
RT: 21.094 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Instrument :  
BNA\_N  
ClientSampleId :

Tgt Ion:149 Resp: 87628  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.6 32.4  
279 3.6 3.0 4.6



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.422 min Scan# 2882  
Delta R.T. -0.003 min  
Lab File: BN032591.D  
Acq: 09 Jul 2024 17:03

Tgt Ion:264 Resp: 14141  
Ion Ratio Lower Upper  
264 100  
260 26.8 21.0 31.6  
265 103.5 76.6 115.0

