

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090222\  
 Data File : BN021566.D  
 Acq On : 02 Sep 2022 18:00  
 Operator : CG/JU  
 Sample : N4454-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13A-8-13-083022

Quant Time: Sep 03 03:08:30 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 00:53:31 2022  
 Response via : Initial Calibration

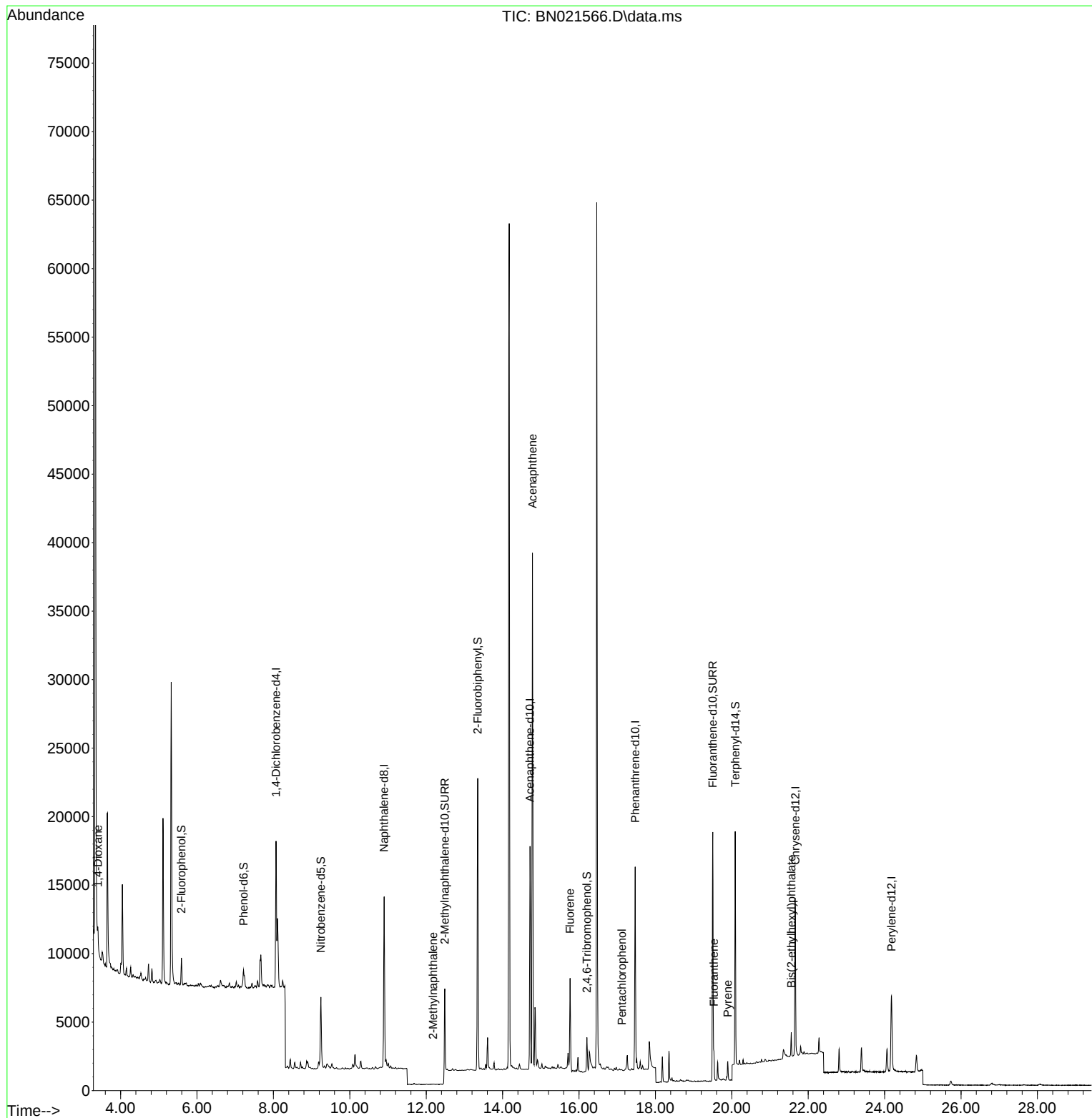
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.069  | 152  | 5178     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.898 | 136  | 16546    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.718 | 164  | 9182     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.470 | 188  | 19151    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.664 | 240  | 11479    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.179 | 264  | 8710     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.591  | 112  | 1696     | 0.167 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.216  | 99   | 1228     | 0.095 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.243  | 82   | 4335     | 0.388 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.486 | 152  | 13872    | 0.372 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.208 | 330  | 1204     | 0.399 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.349 | 172  | 18351    | 0.457 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.501 | 212  | 18982    | 0.386 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.088 | 244  | 14137    | 0.548 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.410  | 88   | 707      | 0.109 | ng    | # 62     |
| 12) 2-Methylnaphthalene       | 12.183 | 142  | 32       | 0.131 | ng    | # 1      |
| 17) Acenaphthene              | 14.782 | 154  | 18102    | 0.597 | ng    | 99       |
| 18) Fluorene                  | 15.765 | 166  | 3871     | 0.103 | ng    | 99       |
| 24) Pentachlorophenol         | 17.121 | 266  | 50       | 0.214 | ng    | # 66     |
| 28) Fluoranthene              | 19.531 | 202  | 1751     | 0.025 | ng    | # 88     |
| 30) Pyrene                    | 19.893 | 202  | 1225     | 0.020 | ng    | # 86     |
| 34) Bis(2-ethylhexyl)phtha... | 21.556 | 149  | 1587     | 0.099 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

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Sample : N4454-01  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
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MW-13A-8-13-083022

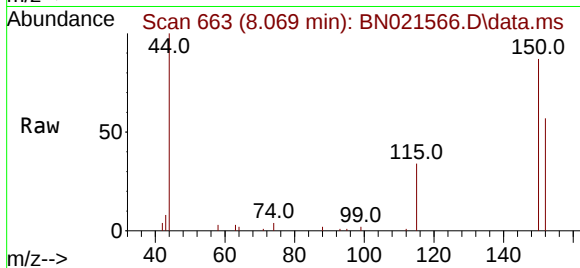
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 02 00:53:31 2022  
Response via : Initial Calibration



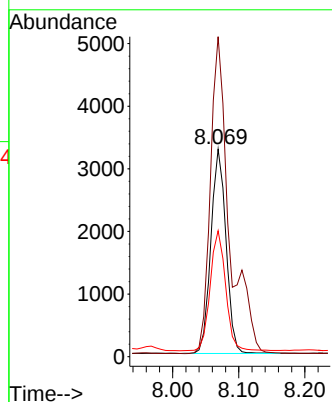
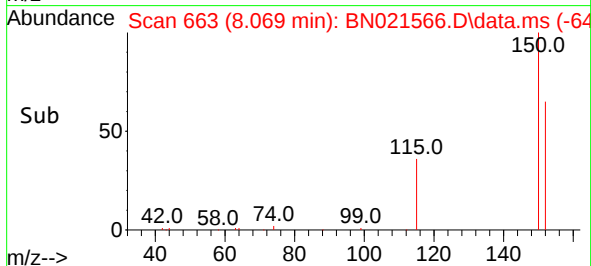


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.069 min Scan# 663  
 Delta R.T. -0.000 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13A-8-13-083022

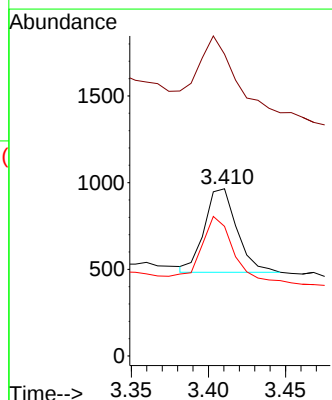
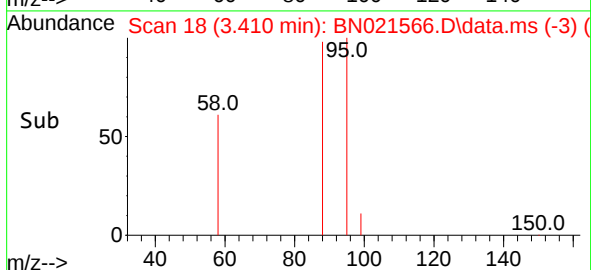
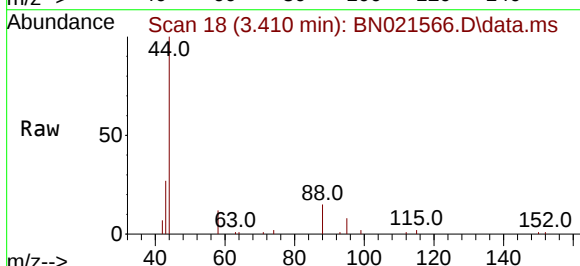


Tgt Ion:152 Resp: 5178  
 Ion Ratio Lower Upper  
 152 100  
 150 154.2 121.4 182.0  
 115 60.7 48.6 72.8



#2  
 1,4-Dioxane  
 Concen: 0.109 ng  
 RT: 3.410 min Scan# 18  
 Delta R.T. 0.007 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

Tgt Ion: 88 Resp: 707  
 Ion Ratio Lower Upper  
 88 100  
 43 108.2 35.8 53.8#  
 58 72.4 57.1 85.7

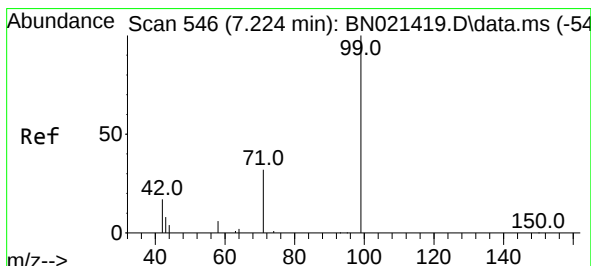
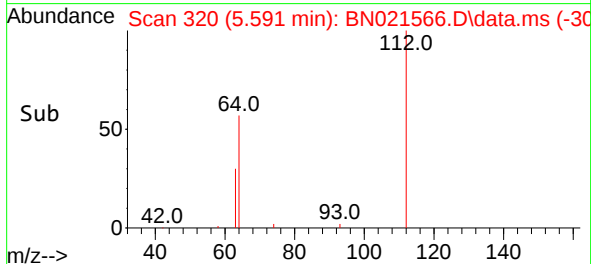
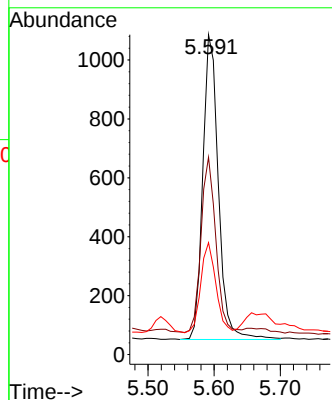
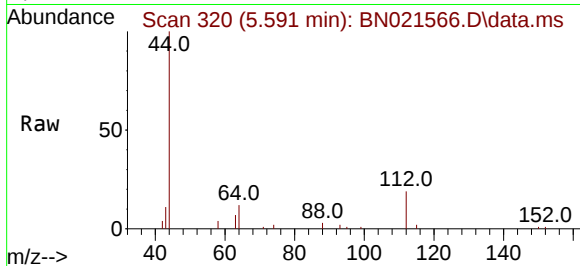




#4  
2-Fluorophenol  
Concen: 0.167 ng  
RT: 5.591 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

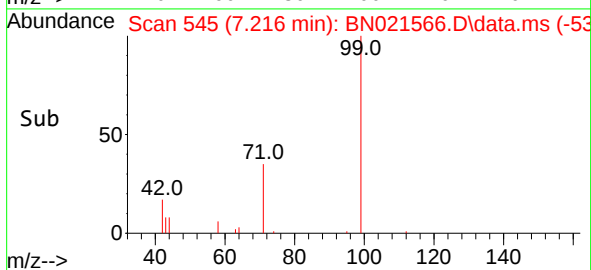
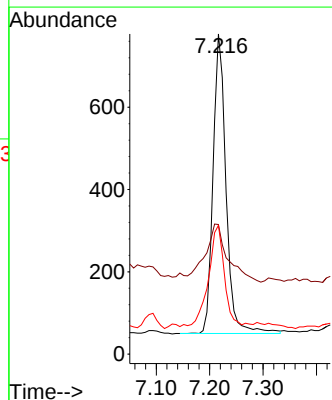
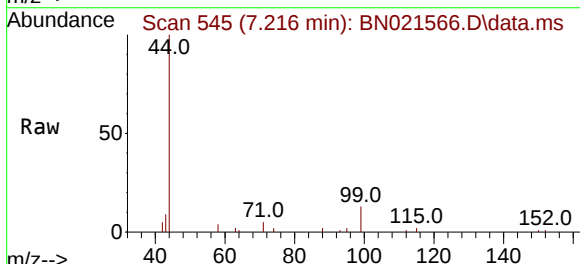
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13A-8-13-083022

Tgt Ion:112 Resp: 1696  
Ion Ratio Lower Upper  
112 100  
64 54.8 43.5 65.3  
63 28.7 22.6 34.0



#5  
Phenol-d6  
Concen: 0.095 ng  
RT: 7.216 min Scan# 545  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

Tgt Ion: 99 Resp: 1228  
Ion Ratio Lower Upper  
99 100  
42 34.0 15.5 23.3#  
71 40.4 24.2 36.2#

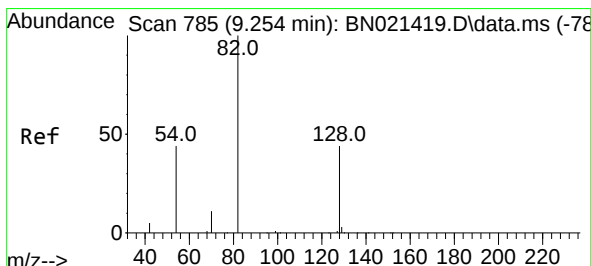
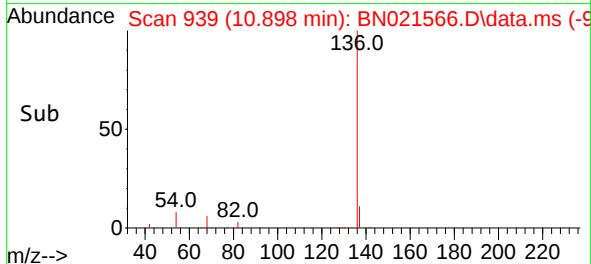
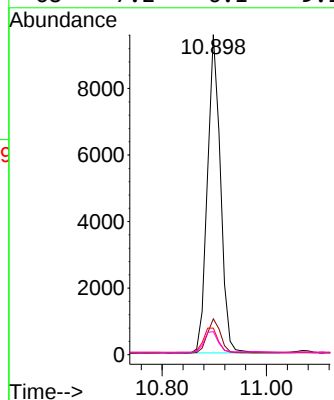
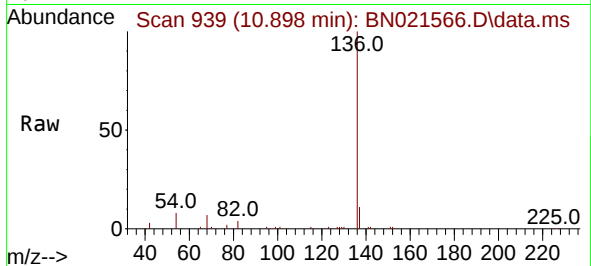




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.898 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

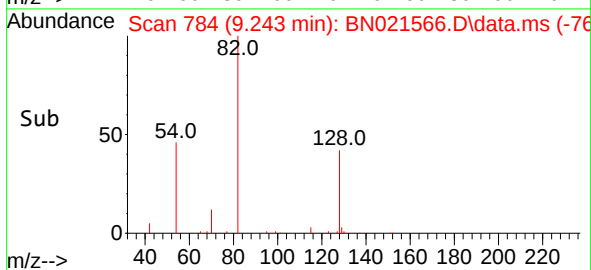
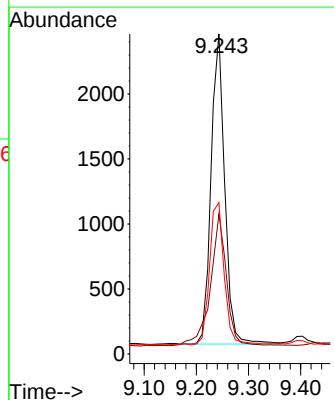
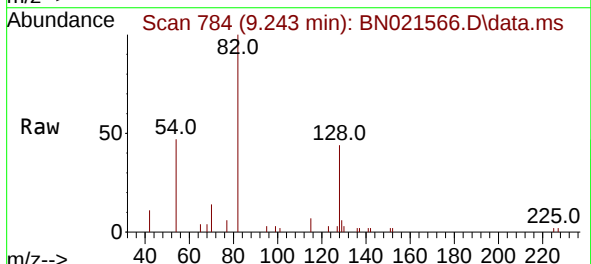
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13A-8-13-083022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16546 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 9.3   | 13.9  |
| 54        | 8.3   | 6.9   | 10.3  |
| 68        | 7.2   | 6.1   | 9.1   |



#8  
Nitrobenzene-d5  
Concen: 0.388 ng  
RT: 9.243 min Scan# 784  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 4335 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.7  | 30.9  | 46.3 |
| 54        | 47.3  | 42.7  | 64.1 |





#11

2-Methylnaphthalene-d10

Concen: 0.372 ng

RT: 12.486 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BN021566.D

Acq: 02 Sep 2022 18:00

Instrument :

BNA\_N

ClientSampleId :

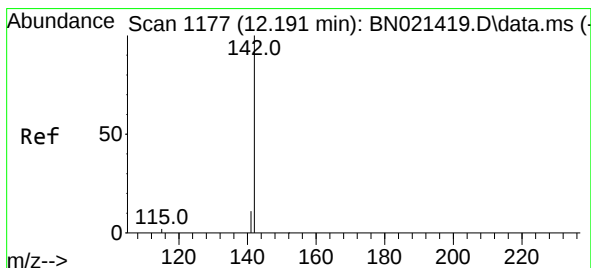
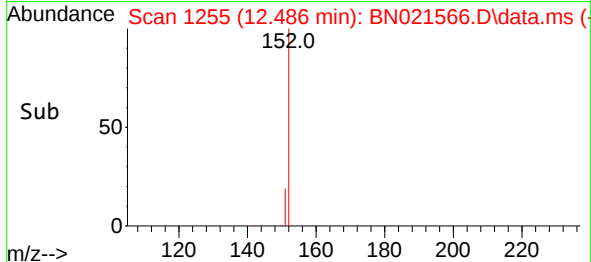
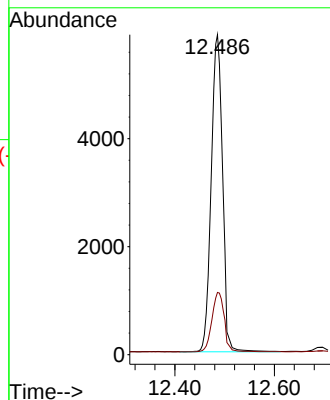
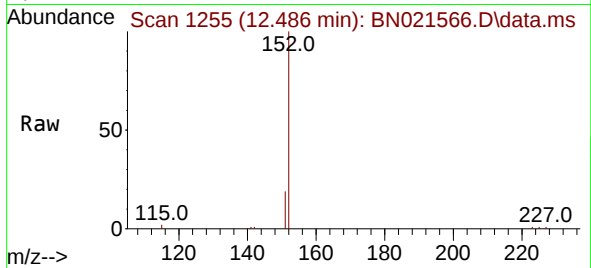
MW-13A-8-13-083022

Tgt Ion:152 Resp: 13872

Ion Ratio Lower Upper

152 100

151 18.3 14.5 21.7



#12

2-Methylnaphthalene

Concen: 0.131 ng

RT: 12.183 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BN021566.D

Acq: 02 Sep 2022 18:00

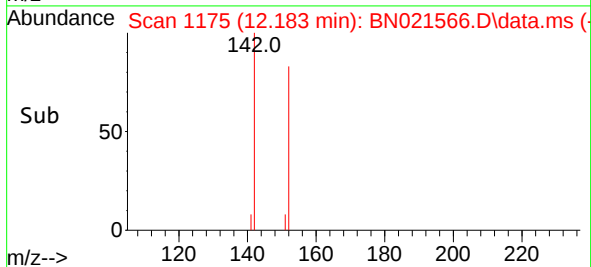
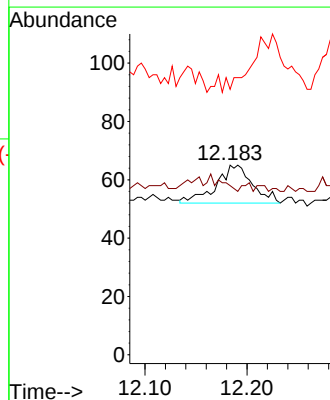
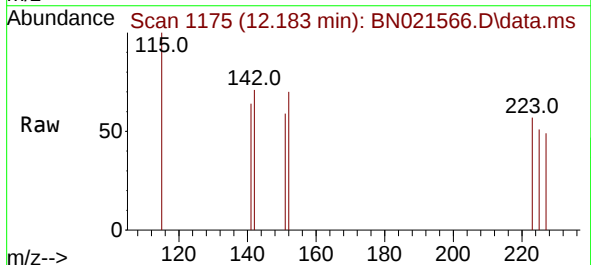
Tgt Ion:142 Resp: 32

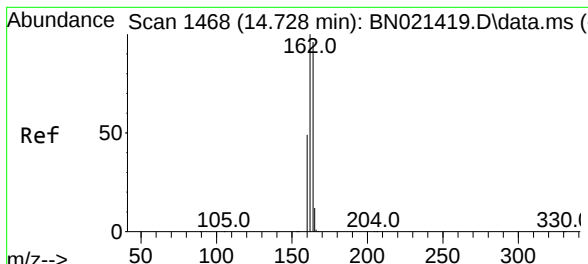
Ion Ratio Lower Upper

142 100

141 89.2 12.2 18.2#

115 140.0 7.9 11.9#

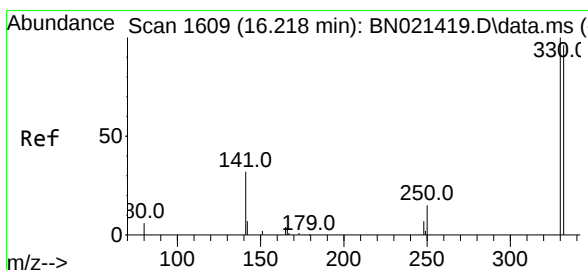
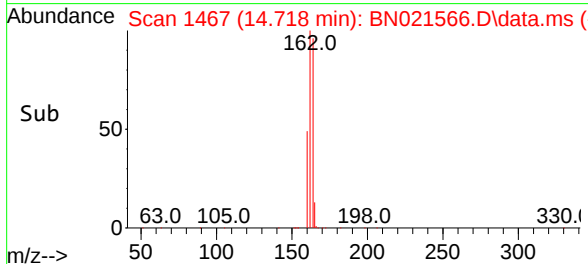
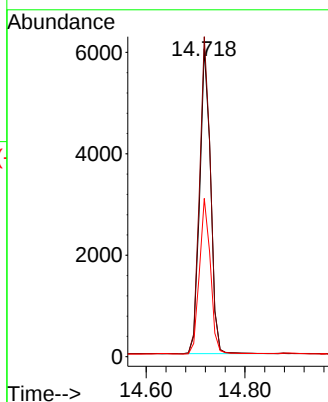
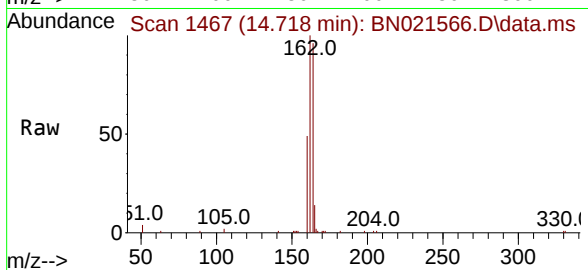




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.718 min Scan# 14  
 Delta R.T. -0.000 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

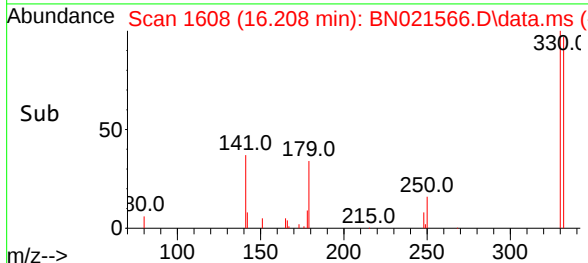
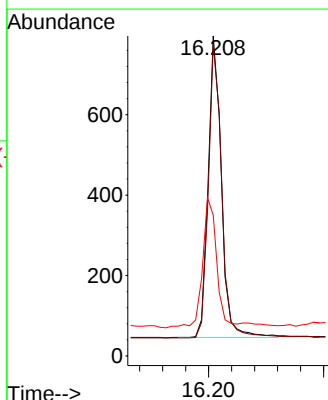
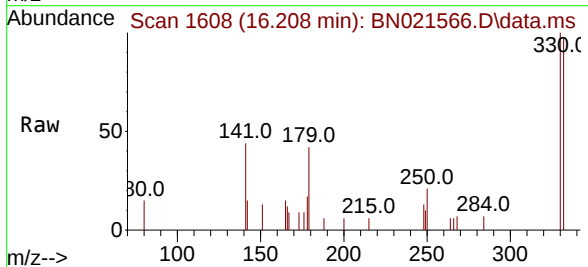
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13A-8-13-083022

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 9182  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 103.9 | 82.2  | 123.4 |
| 160      | 51.4  | 39.5  | 59.3  |



#14  
 2,4,6-Tribromophenol  
 Concen: 0.399 ng  
 RT: 16.208 min Scan# 1608  
 Delta R.T. -0.010 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 1204  |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 98.3  | 79.3  | 118.9 |
| 141      | 43.3  | 37.1  | 55.7  |

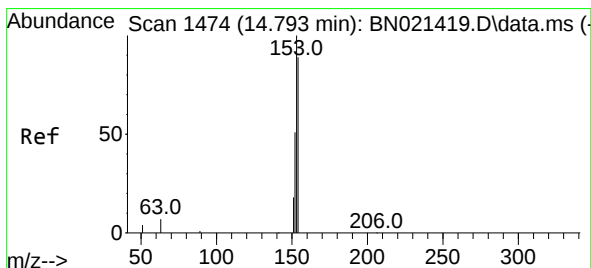
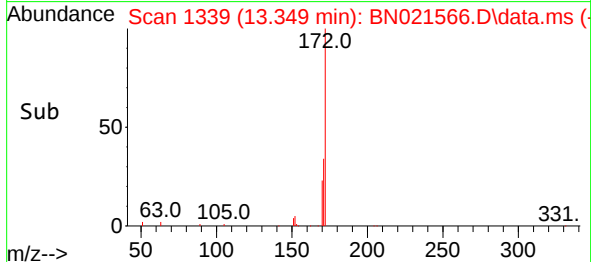
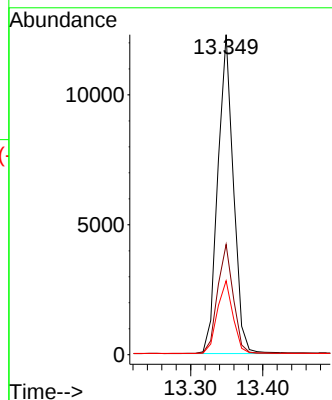
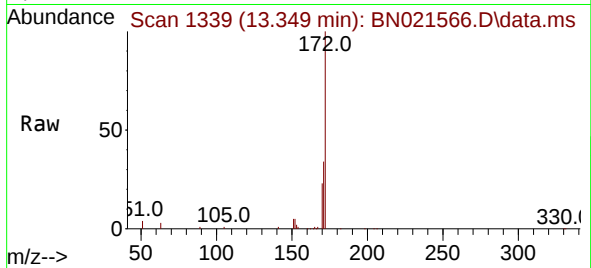




#15  
2-Fluorobiphenyl  
Concen: 0.457 ng  
RT: 13.349 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

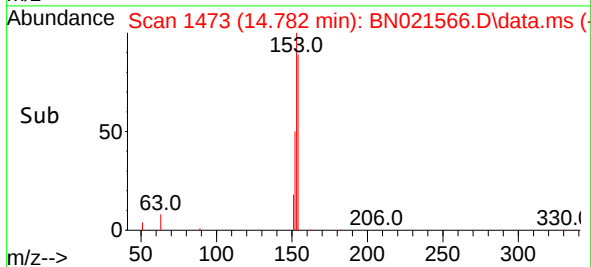
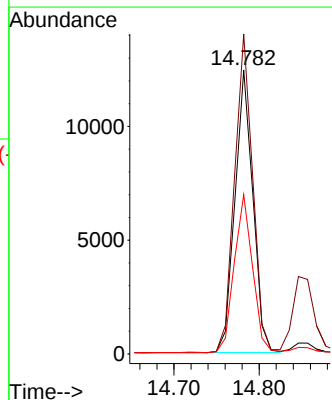
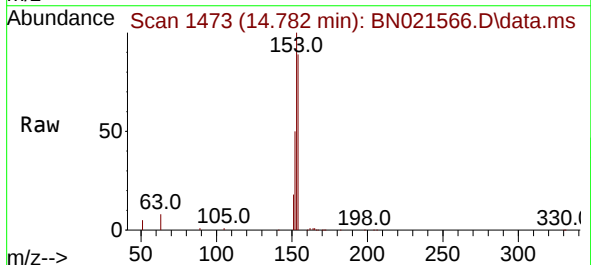
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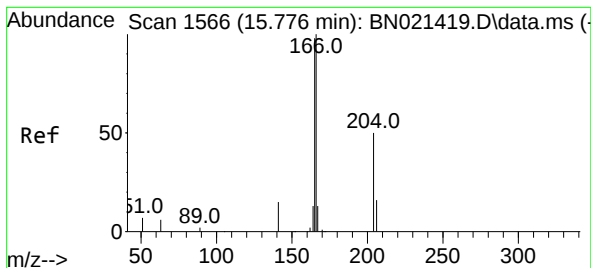
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Ion Ratio Lower Upper  
172 100  
171 34.4 27.8 41.6  
170 23.1 18.6 28.0



#17  
Acenaphthene  
Concen: 0.597 ng  
RT: 14.782 min Scan# 1473  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

Tgt Ion:154 Resp: 18102  
Ion Ratio Lower Upper  
154 100  
153 113.7 89.5 134.3  
152 57.4 45.5 68.3





#18

Fluorene

Concen: 0.103 ng

RT: 15.765 min Scan# 1565

Delta R.T. -0.000 min

Lab File: BN021566.D

Acq: 02 Sep 2022 18:00

Instrument :

BNA\_N

ClientSampleId :

MW-13A-8-13-083022

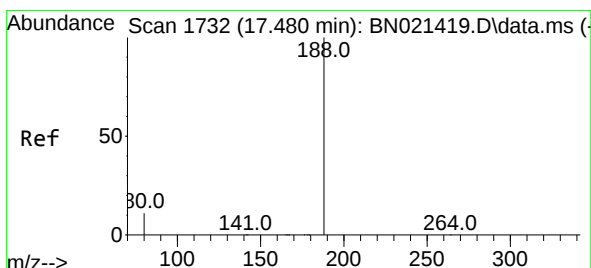
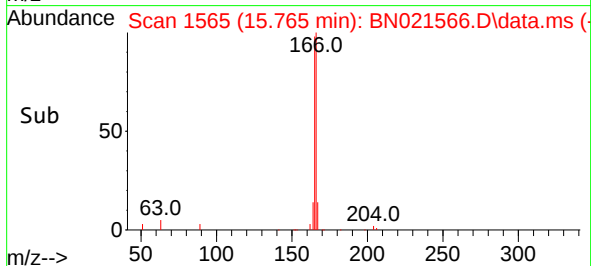
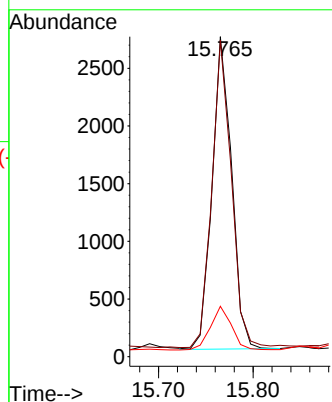
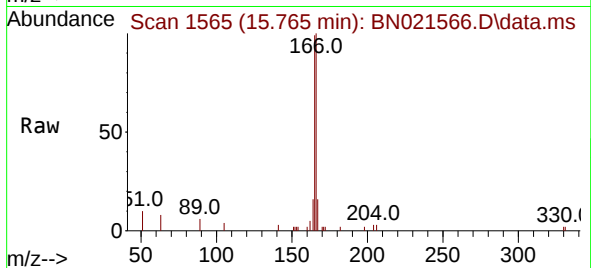
Tgt Ion:166 Resp: 3871

Ion Ratio Lower Upper

166 100

165 97.9 78.7 118.1

167 15.2 10.6 16.0



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.470 min Scan# 1731

Delta R.T. -0.000 min

Lab File: BN021566.D

Acq: 02 Sep 2022 18:00

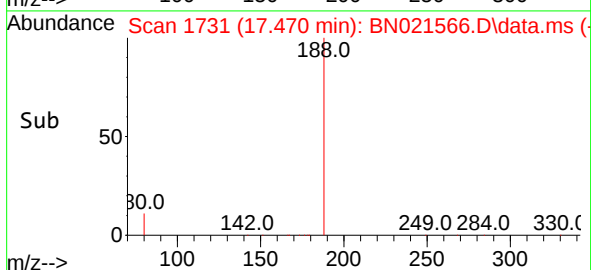
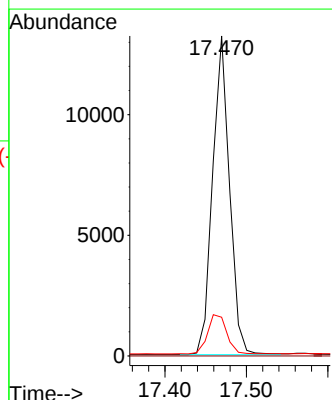
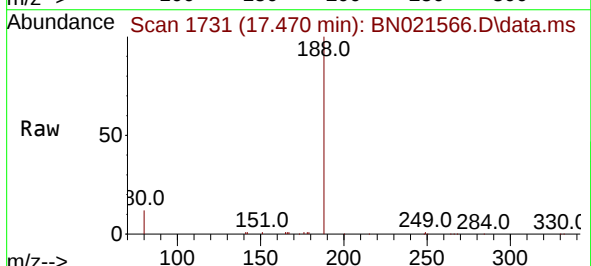
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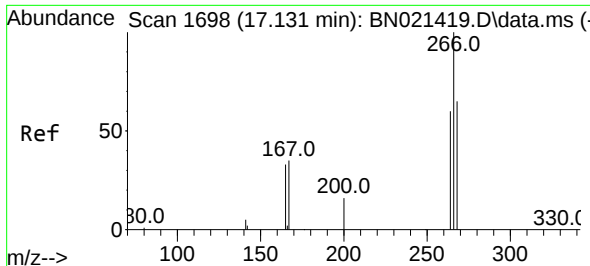
Ion Ratio Lower Upper

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80 12.1 9.5 14.3

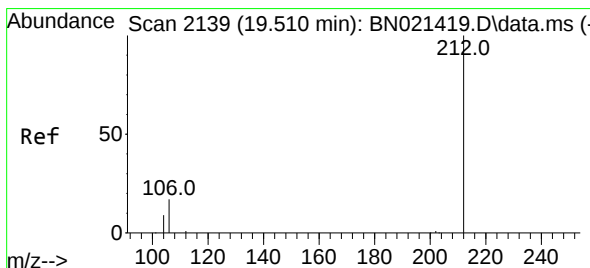
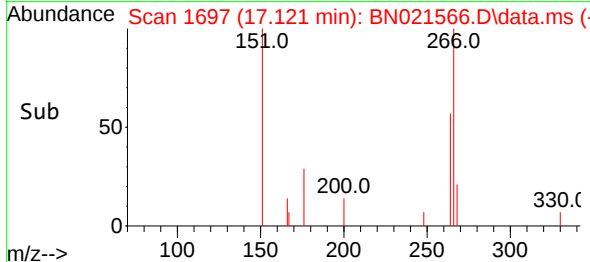
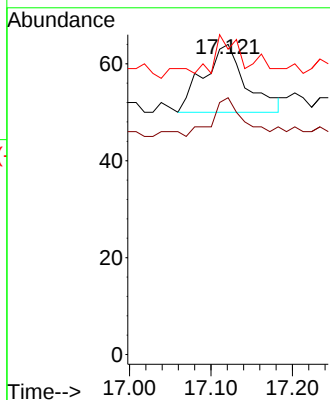
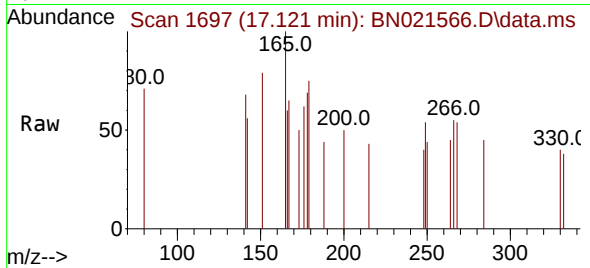




#24  
 Pentachlorophenol  
 Concen: 0.214 ng  
 RT: 17.121 min Scan# 1697  
 Delta R.T. -0.000 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

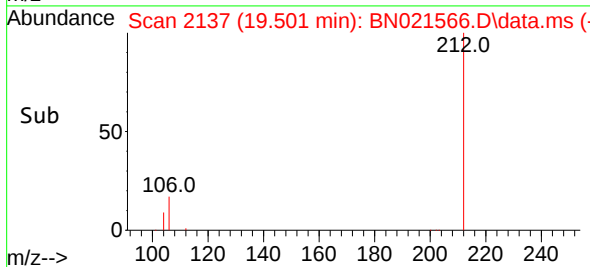
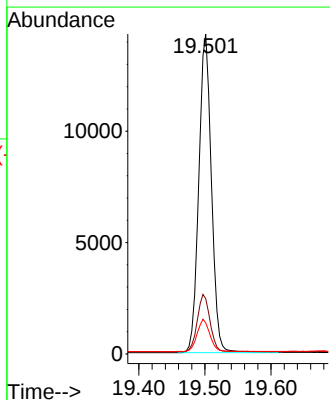
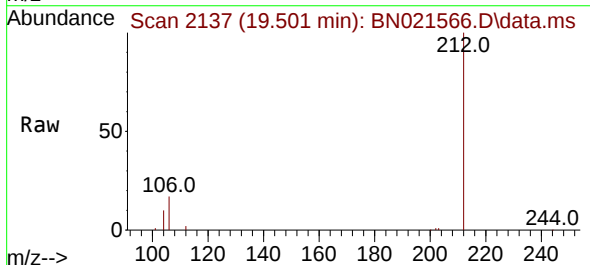
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13A-8-13-083022

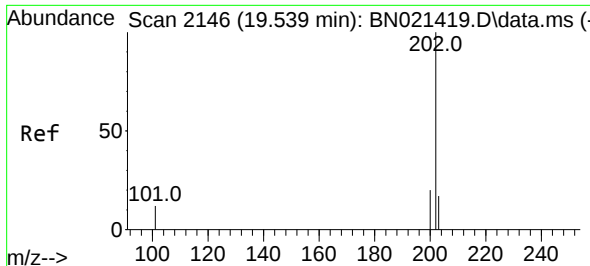
Tgt Ion:266 Resp: 50  
 Ion Ratio Lower Upper  
 266 100  
 264 42.0 49.0 73.6#  
 268 30.0 50.9 76.3#



#27  
 Fluoranthene-d10  
 Concen: 0.386 ng  
 RT: 19.501 min Scan# 2137  
 Delta R.T. -0.000 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

Tgt Ion:212 Resp: 18982  
 Ion Ratio Lower Upper  
 212 100  
 106 18.0 14.2 21.2  
 104 10.3 7.8 11.6

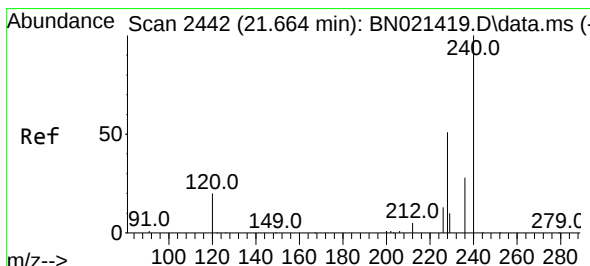
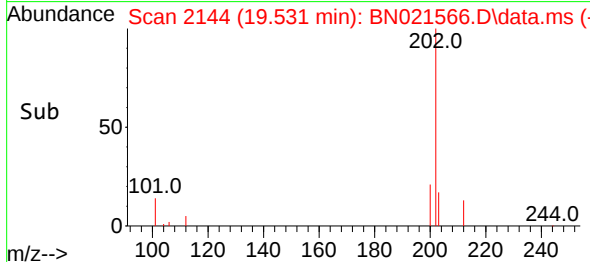
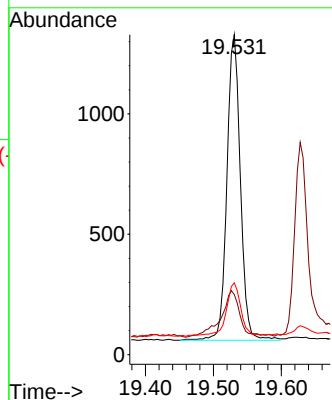
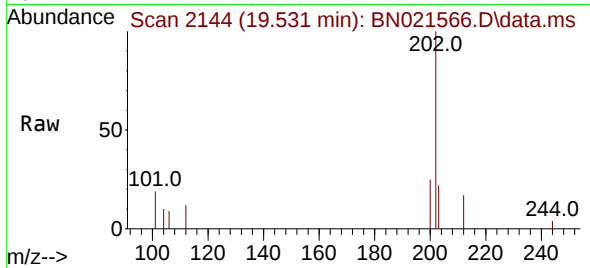




#28  
Fluoranthene  
Concen: 0.025 ng  
RT: 19.531 min Scan# 2144  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

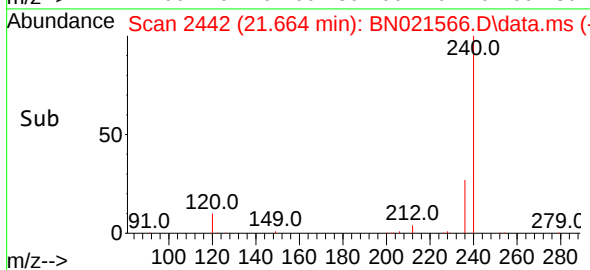
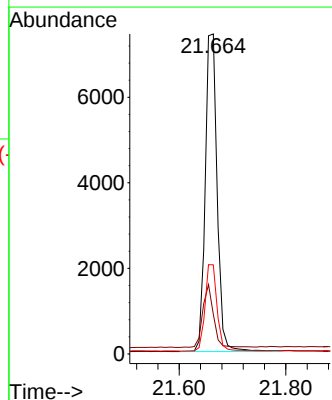
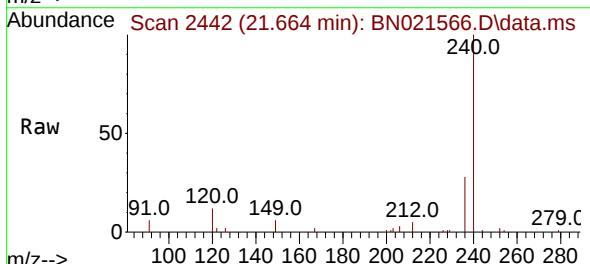
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13A-8-13-083022

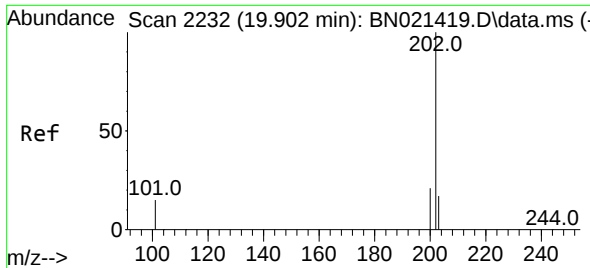
Tgt Ion:202 Resp: 1751  
Ion Ratio Lower Upper  
202 100  
101 21.9 10.9 16.3#  
203 19.5 13.8 20.6



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.664 min Scan# 2442  
Delta R.T. -0.000 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

Tgt Ion:240 Resp: 11479  
Ion Ratio Lower Upper  
240 100  
120 12.4 10.2 15.4  
236 27.9 22.1 33.1

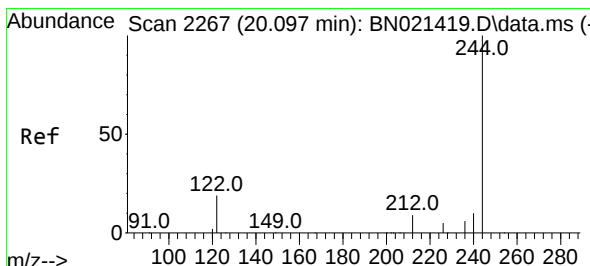
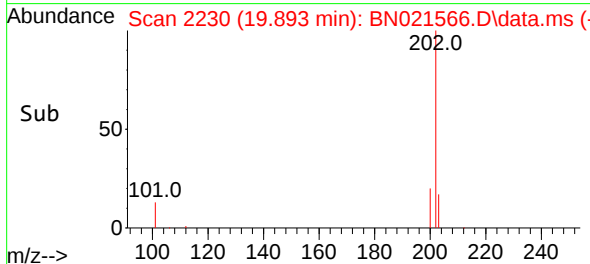
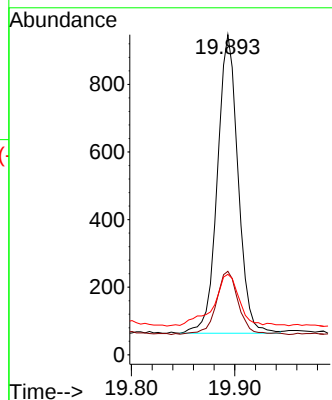
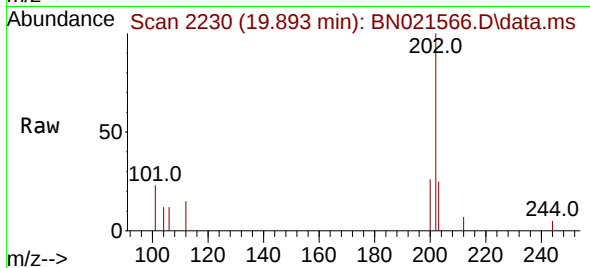




#30  
Pyrene  
Concen: 0.020 ng  
RT: 19.893 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

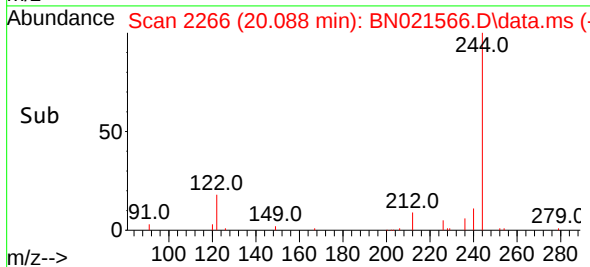
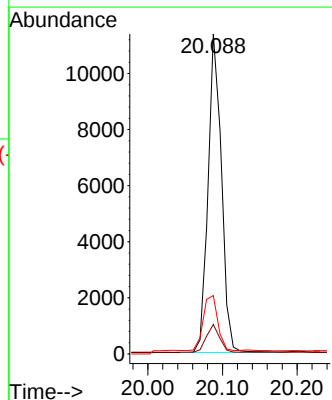
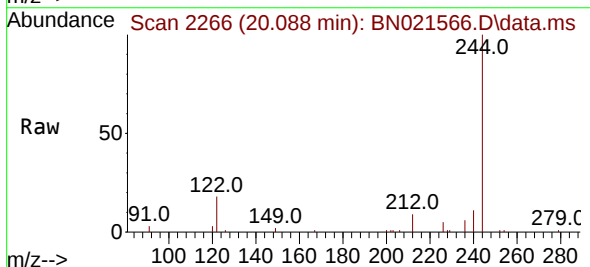
Instrument :  
BNA\_N  
ClientSampleId :  
MW-13A-8-13-083022

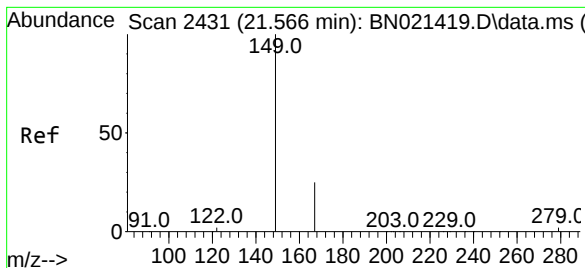
Tgt Ion:202 Resp: 1225  
Ion Ratio Lower Upper  
202 100  
200 22.9 13.9 20.9#  
203 21.4 11.9 17.9#



#31  
Terphenyl-d14  
Concen: 0.548 ng  
RT: 20.088 min Scan# 2266  
Delta R.T. -0.009 min  
Lab File: BN021566.D  
Acq: 02 Sep 2022 18:00

Tgt Ion:244 Resp: 14137  
Ion Ratio Lower Upper  
244 100  
212 9.2 6.5 9.7  
122 18.2 9.1 13.7#

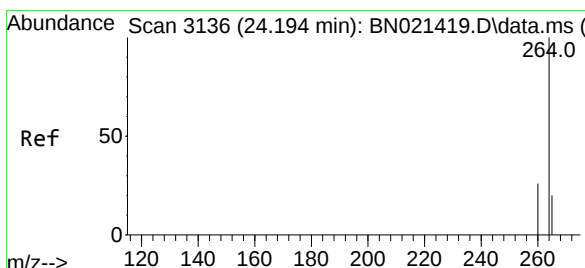
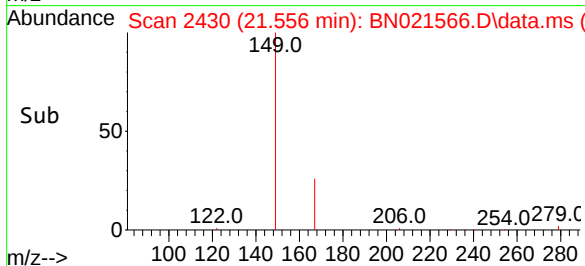
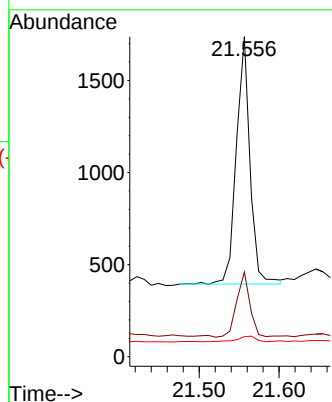
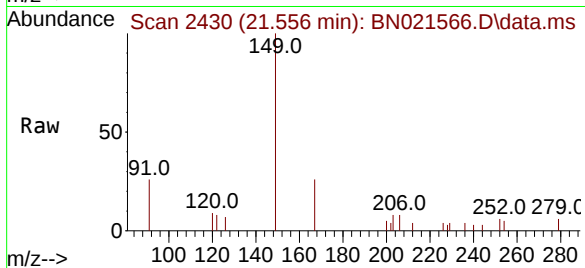




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.099 ng  
 RT: 21.556 min Scan# 2431  
 Delta R.T. -0.000 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-13A-8-13-083022

Tgt Ion:149 Resp: 1587  
 Ion Ratio Lower Upper  
 149 100  
 167 25.6 21.4 32.0  
 279 3.0 2.2 3.2



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.179 min Scan# 3131  
 Delta R.T. -0.006 min  
 Lab File: BN021566.D  
 Acq: 02 Sep 2022 18:00

Tgt Ion:264 Resp: 8710  
 Ion Ratio Lower Upper  
 264 100  
 260 27.2 21.0 31.6  
 265 35.9 32.2 48.2

