

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122823\  
 Data File : BN029214.D  
 Acq On : 28 Dec 2023 15:01  
 Operator : MA/JU  
 Sample : 05967-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 COLS7

Quant Time: Dec 28 16:23:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 28 01:20:47 2023  
 Response via : Initial Calibration

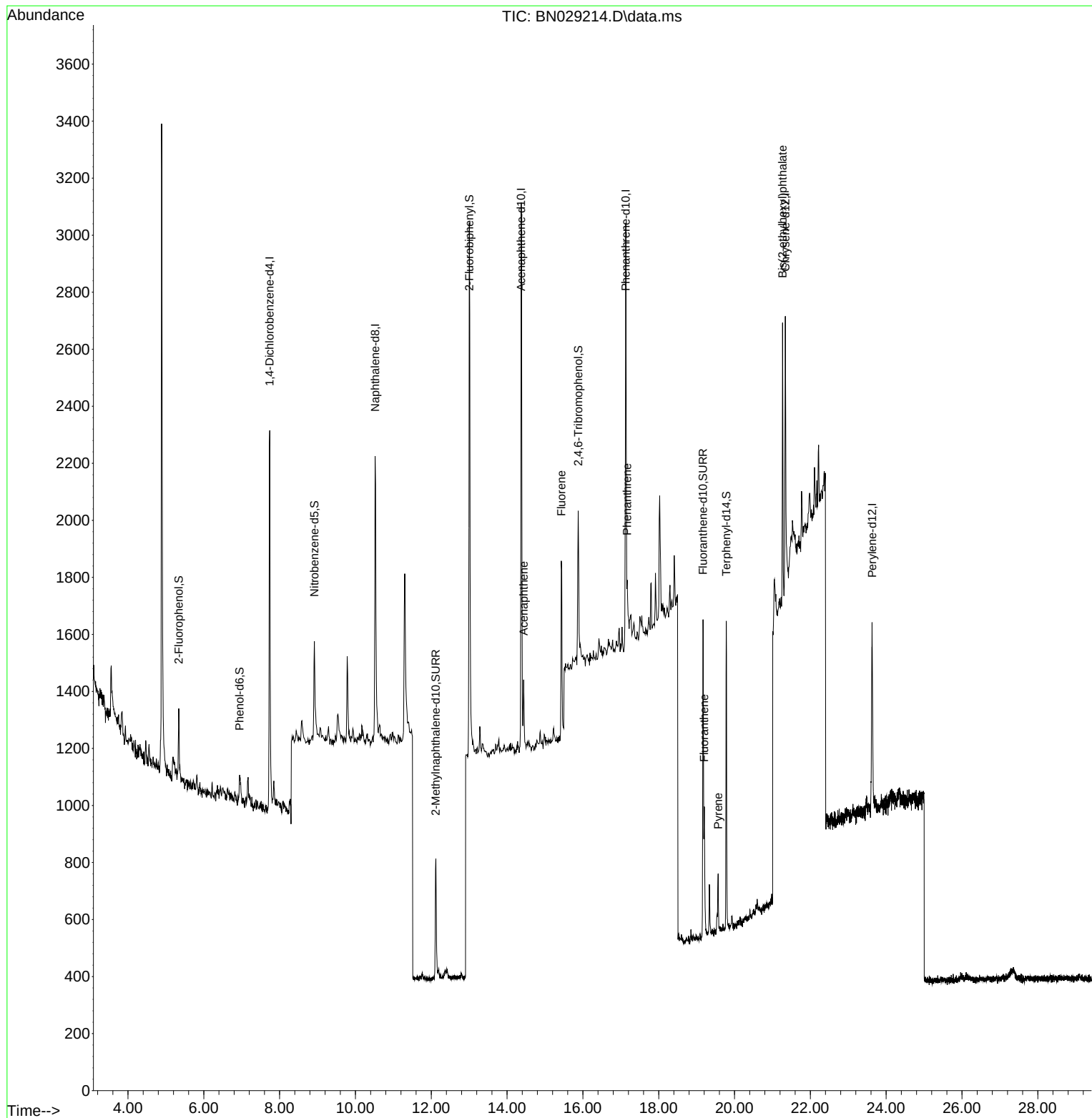
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.739  | 152  | 793      | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.519 | 136  | 1740     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.372 | 164  | 1188     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.131 | 188  | 2079     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.340 | 240  | 788      | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.628 | 264  | 811      | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.341  | 112  | 201      | 0.109 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.944  | 99   | 114      | 0.055 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.918  | 82   | 475      | 0.218 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.117 | 152  | 722      | 0.240 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.878 | 330  | 298      | 0.325 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.004 | 172  | 1963     | 0.308 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.169 | 212  | 1296     | 0.306 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.782 | 244  | 916      | 0.375 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 17) Acenaphthene              | 14.436 | 154  | 116      | 0.024 | ng    | 98       |
| 18) Fluorene                  | 15.430 | 166  | 383      | 0.055 | ng    | # 96     |
| 25) Phenanthrene              | 17.168 | 178  | 186      | 0.020 | ng    | # 92     |
| 28) Fluoranthene              | 19.201 | 202  | 341      | 0.041 | ng    | # 75     |
| 30) Pyrene                    | 19.568 | 202  | 205      | 0.026 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.268 | 149  | 871      | 0.132 | ng    | # 96     |
| -----                         |        |      |          |       |       |          |

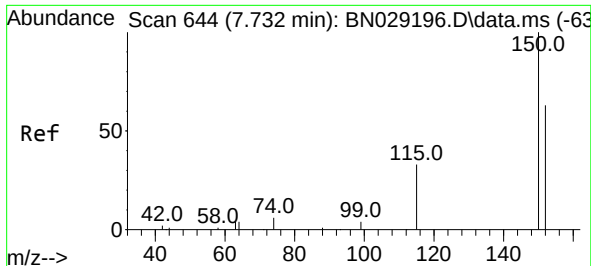
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122823\  
Data File : BN029214.D  
Acq On : 28 Dec 2023 15:01  
Operator : MA/JU  
Sample : 05967-06  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

Quant Time: Dec 28 16:23:52 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 28 01:20:47 2023  
Response via : Initial Calibration

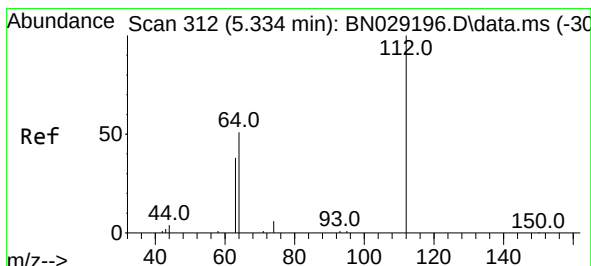
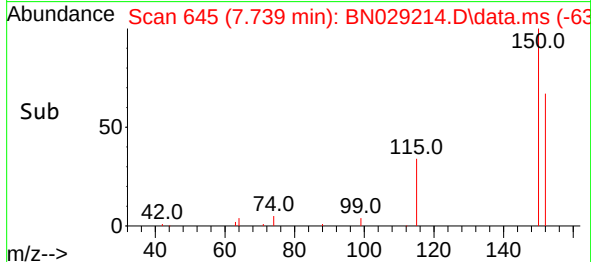
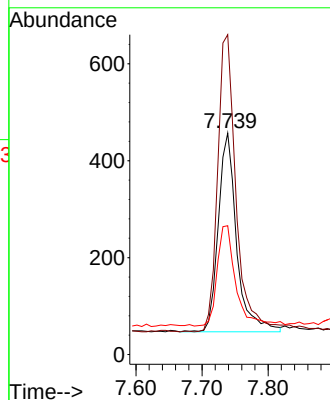
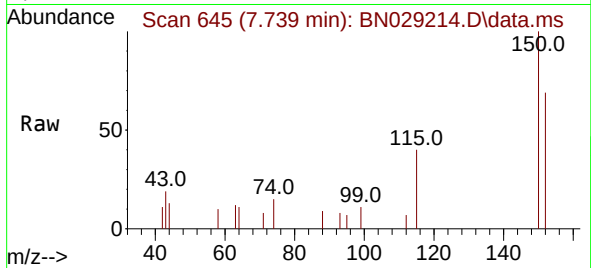




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.739 min Scan# 644  
Delta R.T. 0.007 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

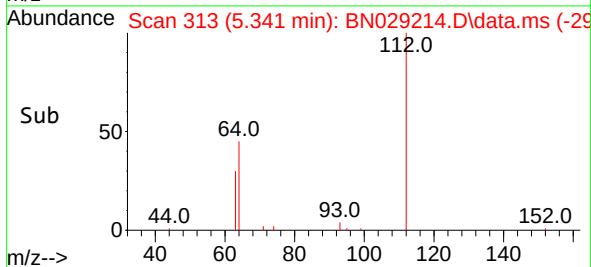
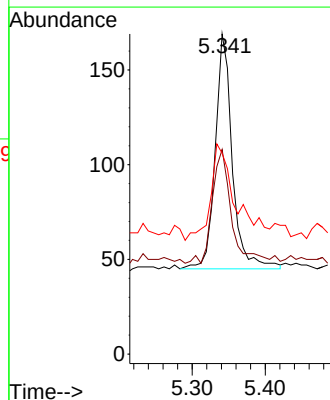
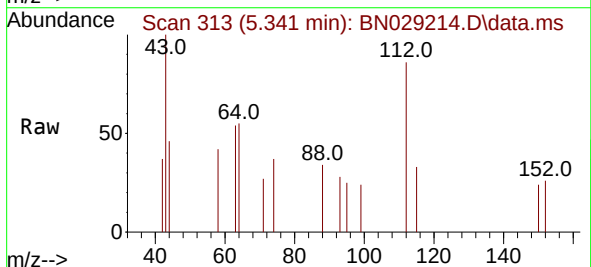
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

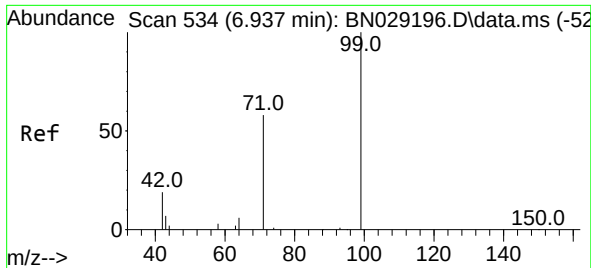
Tgt Ion:152 Resp: 793  
Ion Ratio Lower Upper  
152 100  
150 144.4 122.2 183.2  
115 58.2 48.2 72.4



#4  
2-Fluorophenol  
Concen: 0.109 ng  
RT: 5.341 min Scan# 313  
Delta R.T. 0.007 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion:112 Resp: 201  
Ion Ratio Lower Upper  
112 100  
64 54.7 38.8 58.2  
63 60.7 30.6 45.8#

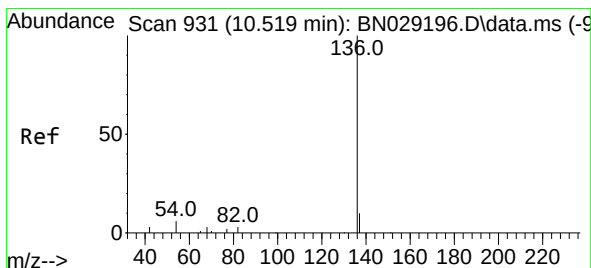
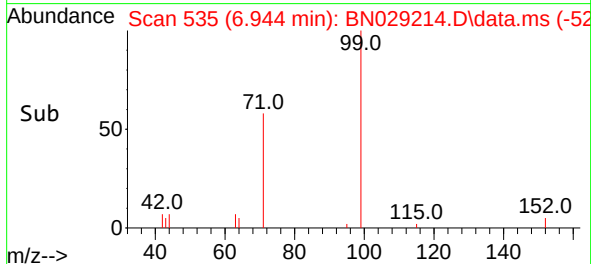
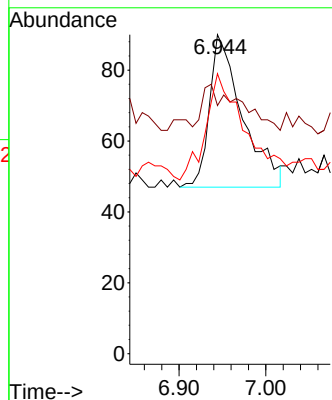
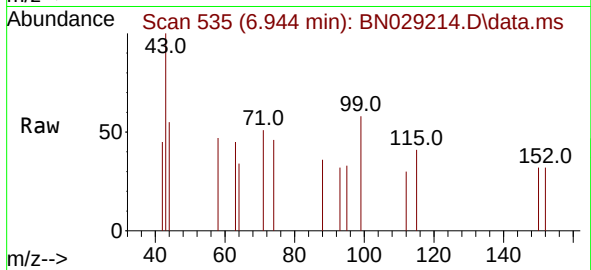




#5  
Phenol-d6  
Concen: 0.055 ng  
RT: 6.944 min Scan# 511  
Delta R.T. 0.007 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

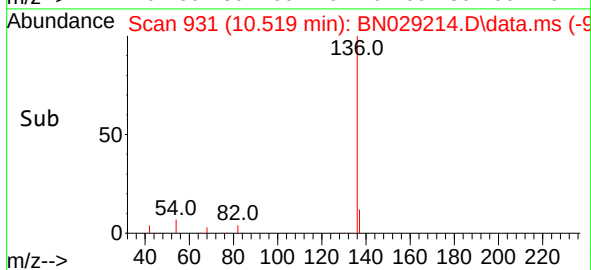
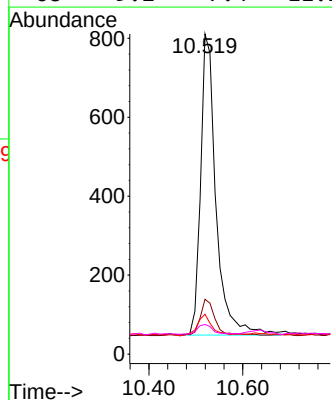
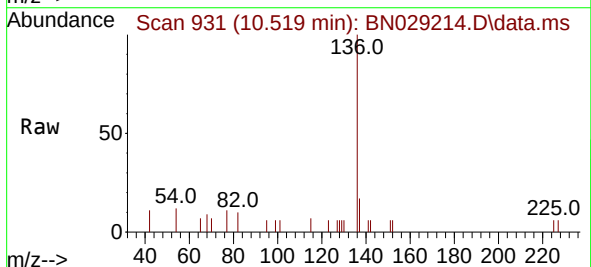
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

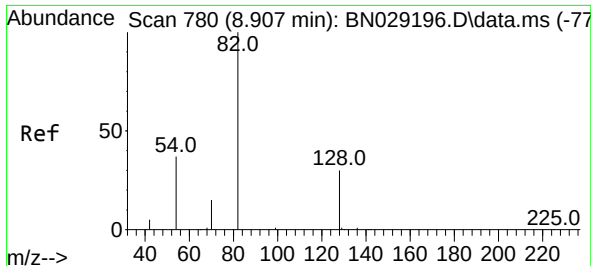
Tgt Ion: 99 Resp: 114  
Ion Ratio Lower Upper  
99 100  
42 36.8 18.3 27.5#  
71 82.5 48.6 73.0#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.519 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion: 136 Resp: 1740  
Ion Ratio Lower Upper  
136 100  
137 17.1 13.0 19.4  
54 12.5 9.8 14.6  
68 9.2 7.4 11.2

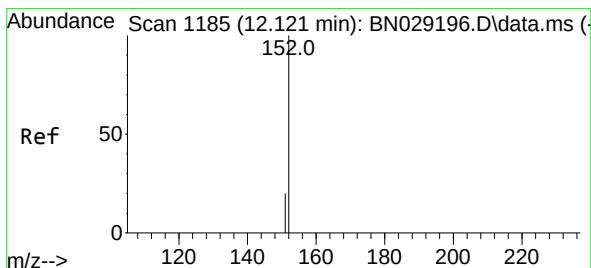
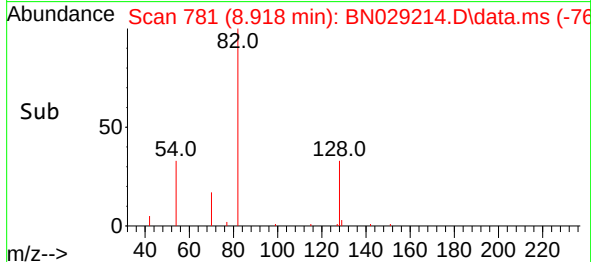
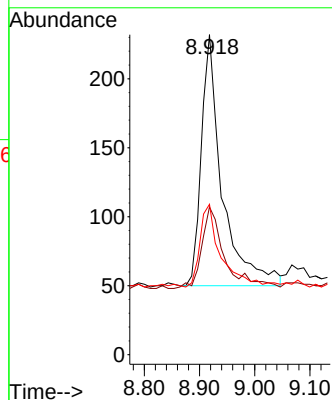
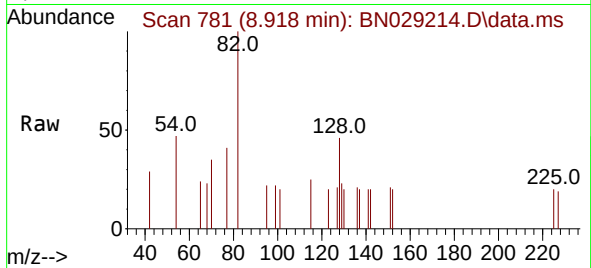




#8  
Nitrobenzene-d5  
Concen: 0.218 ng  
RT: 8.918 min Scan# 780  
Delta R.T. 0.011 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

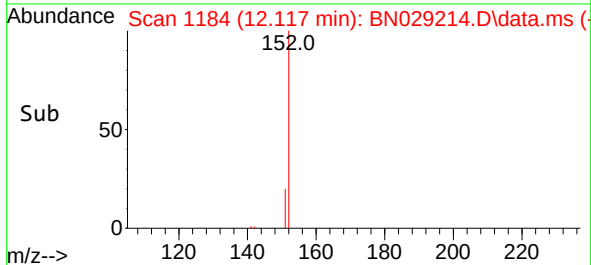
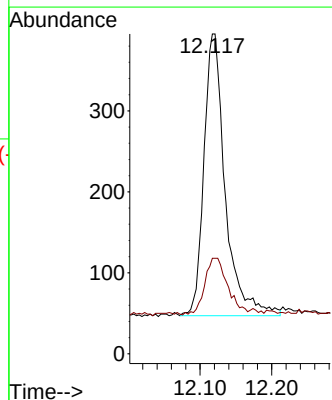
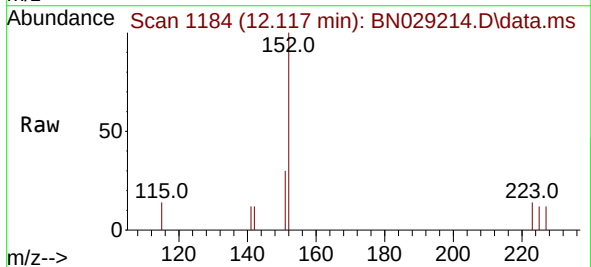
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

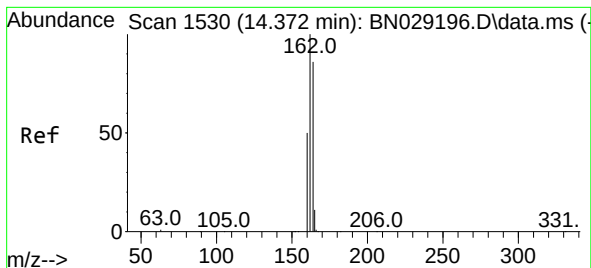
Tgt Ion: 82 Resp: 475  
Ion Ratio Lower Upper  
82 100  
128 46.1 34.2 51.2  
54 47.0 38.8 58.2



#11  
2-Methylnaphthalene-d10  
Concen: 0.240 ng  
RT: 12.117 min Scan# 1184  
Delta R.T. -0.004 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion: 152 Resp: 722  
Ion Ratio Lower Upper  
152 100  
151 21.7 16.6 24.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.372 min Scan# 1530

Delta R.T. -0.000 min

Lab File: BN029214.D

Acq: 28 Dec 2023 15:01

Instrument :

BNA\_N

ClientSampleId :

C0LS7

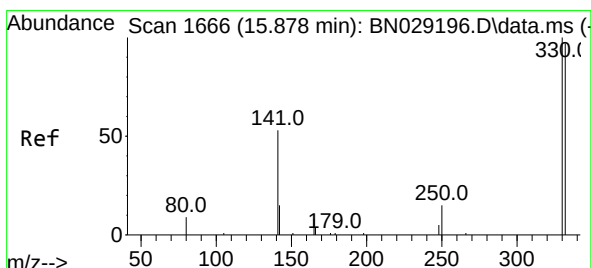
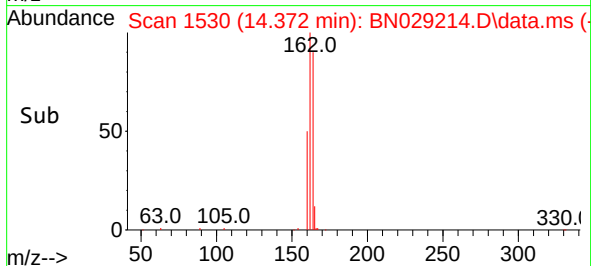
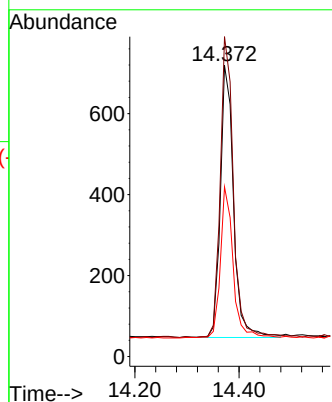
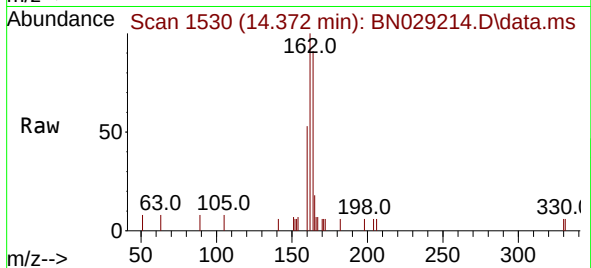
Tgt Ion:164 Resp: 1188

Ion Ratio Lower Upper

164 100

162 109.9 91.8 137.8

160 58.3 49.4 74.2



#14

2,4,6-Tribromophenol

Concen: 0.325 ng

RT: 15.878 min Scan# 1666

Delta R.T. -0.000 min

Lab File: BN029214.D

Acq: 28 Dec 2023 15:01

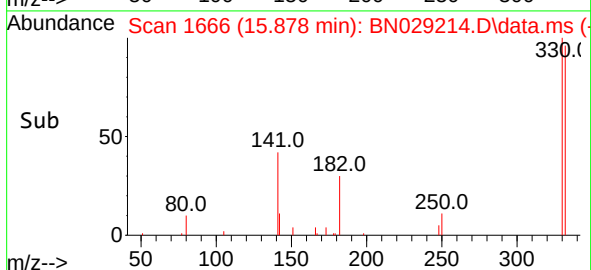
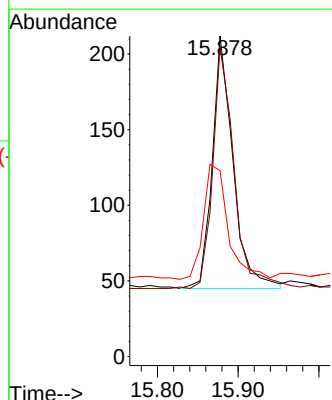
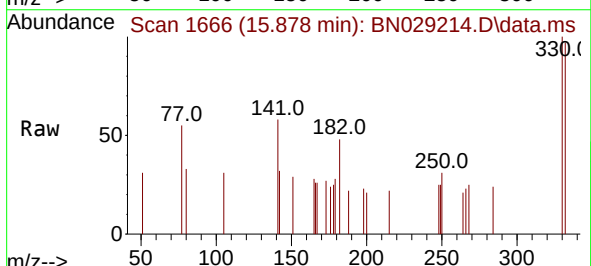
Tgt Ion:330 Resp: 298

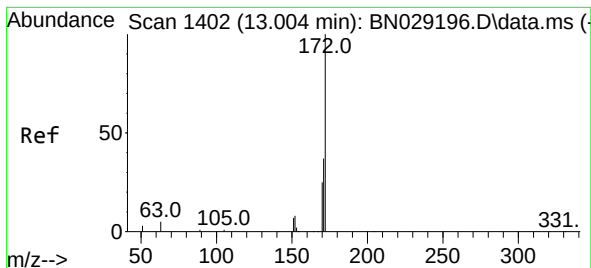
Ion Ratio Lower Upper

330 100

332 98.3 74.4 111.6

141 54.0 46.7 70.1

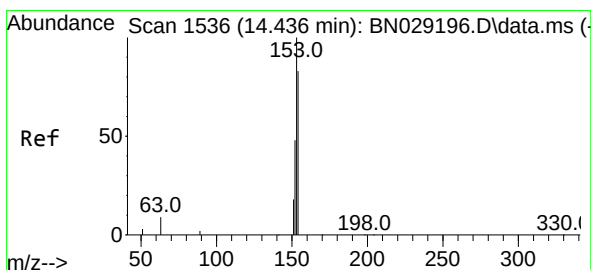
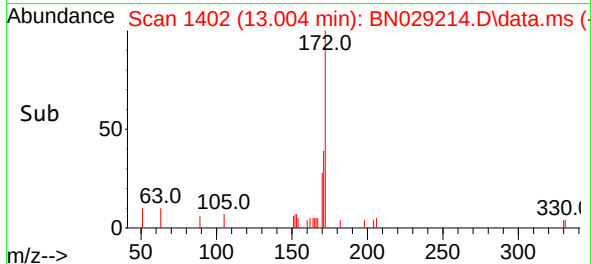
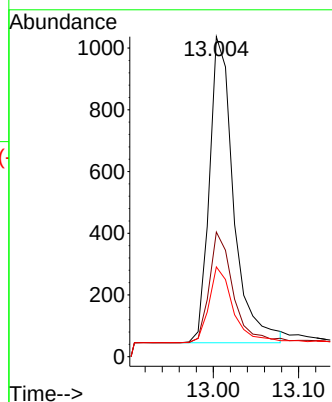
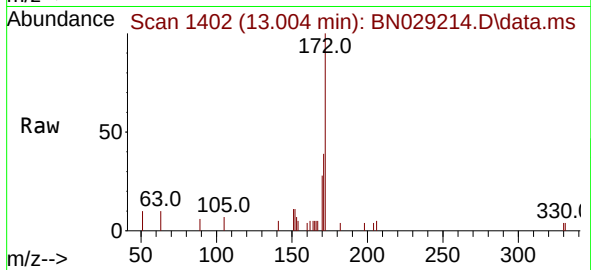




#15  
2-Fluorobiphenyl  
Concen: 0.308 ng  
RT: 13.004 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

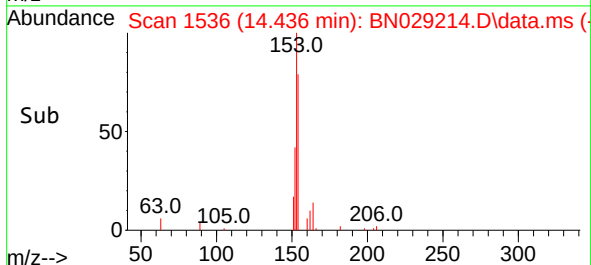
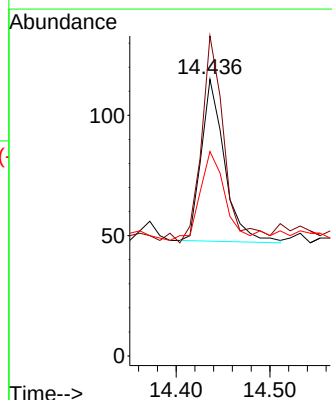
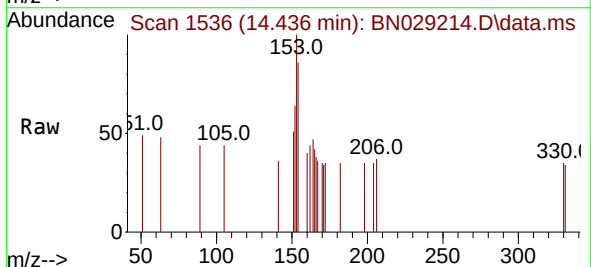
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

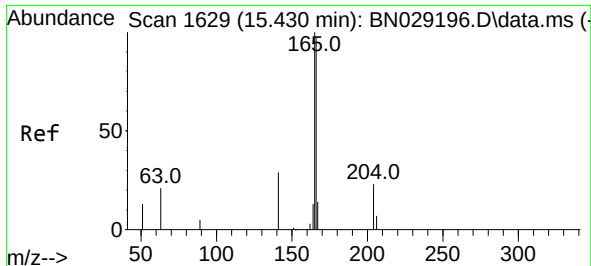
Tgt Ion:172 Resp: 1963  
Ion Ratio Lower Upper  
172 100  
171 39.0 32.8 49.2  
170 28.1 24.0 36.0



#17  
Acenaphthene  
Concen: 0.024 ng  
RT: 14.436 min Scan# 1536  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion:154 Resp: 116  
Ion Ratio Lower Upper  
154 100  
153 120.7 94.6 141.8  
152 57.8 46.4 69.6

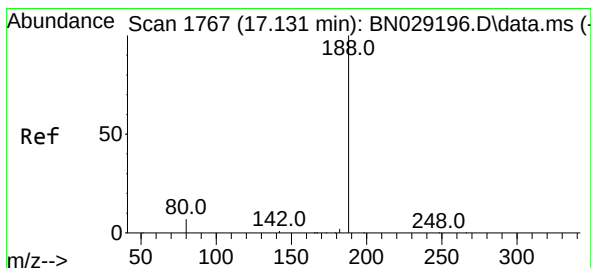
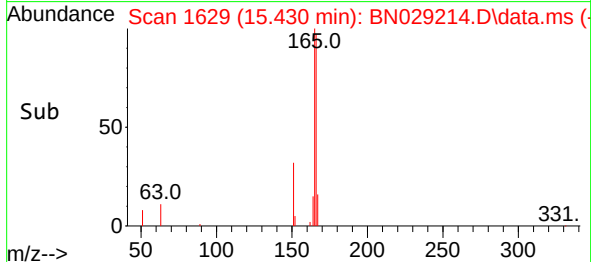
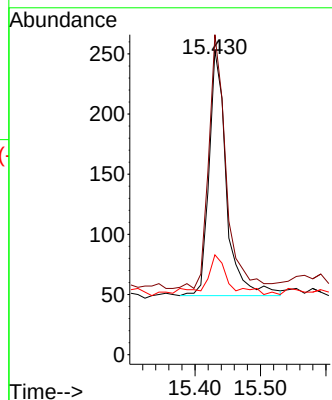
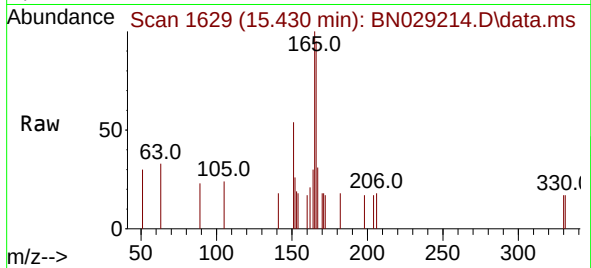




#18  
 Fluorene  
 Concen: 0.055 ng  
 RT: 15.430 min Scan# 1629  
 Delta R.T. -0.000 min  
 Lab File: BN029214.D  
 Acq: 28 Dec 2023 15:01

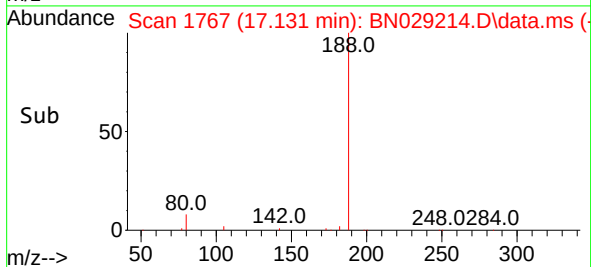
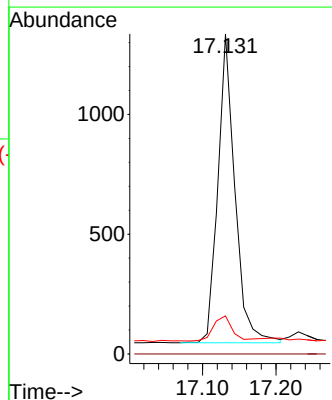
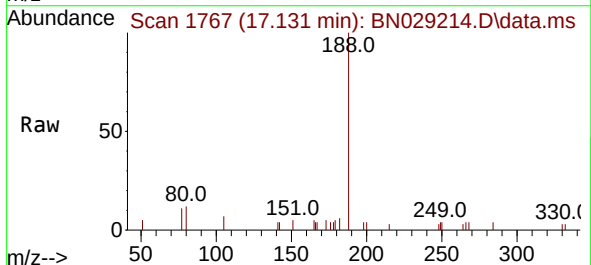
Instrument :  
 BNA\_N  
 ClientSampleId :  
 COLS7

Tgt Ion:166 Resp: 383  
 Ion Ratio Lower Upper  
 166 100  
 165 102.1 82.8 124.2  
 167 23.8 11.4 17.2#

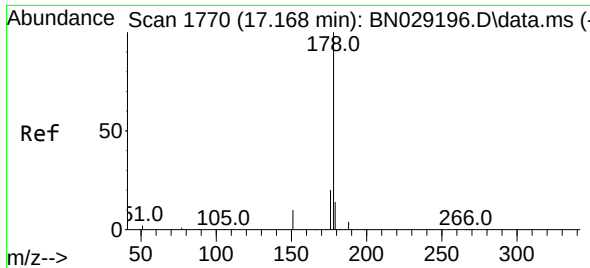


#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.131 min Scan# 1767  
 Delta R.T. -0.000 min  
 Lab File: BN029214.D  
 Acq: 28 Dec 2023 15:01

Tgt Ion:188 Resp: 2079  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 11.9 8.8 13.2



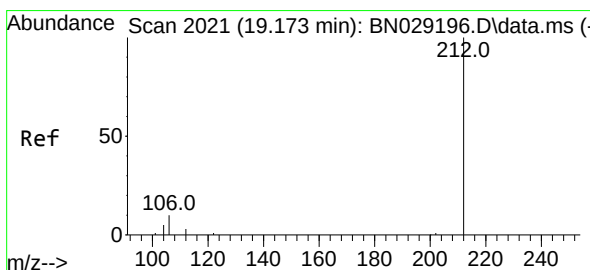
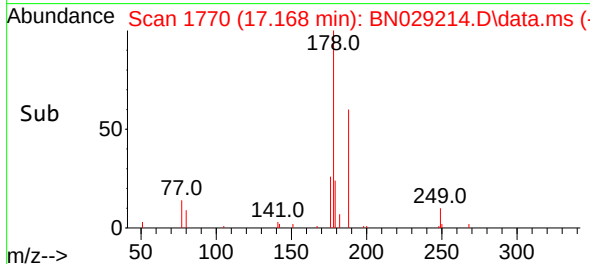
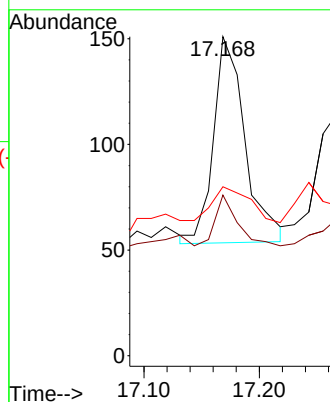
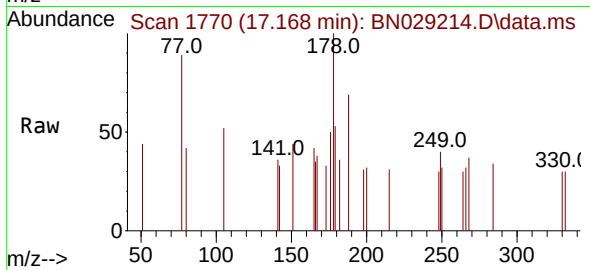




#25  
Phenanthrene  
Concen: 0.020 ng  
RT: 17.168 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

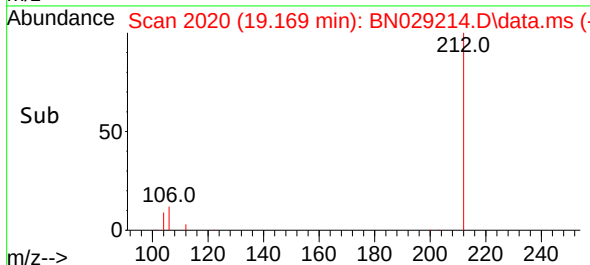
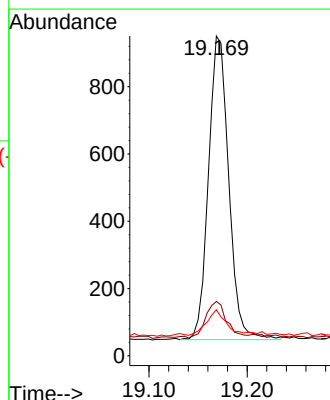
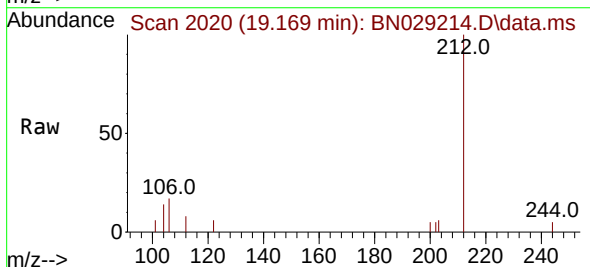
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

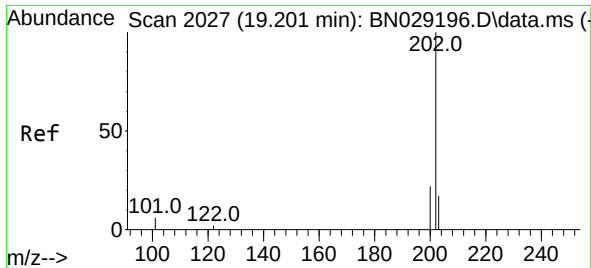
Tgt Ion:178 Resp: 186  
Ion Ratio Lower Upper  
178 100  
176 23.1 16.7 25.1  
179 21.5 12.8 19.2#



#27  
Fluoranthene-d10  
Concen: 0.306 ng  
RT: 19.169 min Scan# 2020  
Delta R.T. -0.005 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion:212 Resp: 1296  
Ion Ratio Lower Upper  
212 100  
106 11.9 9.7 14.5  
104 8.8 6.3 9.5

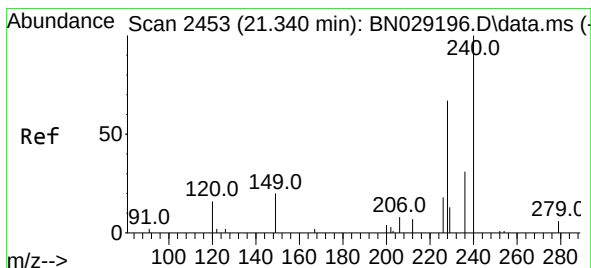
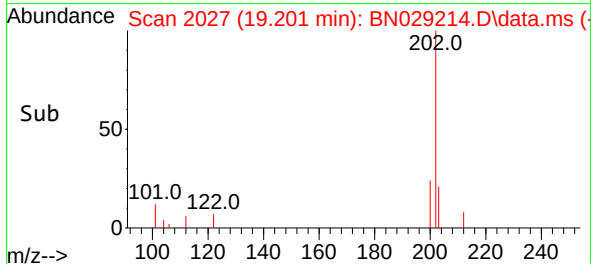
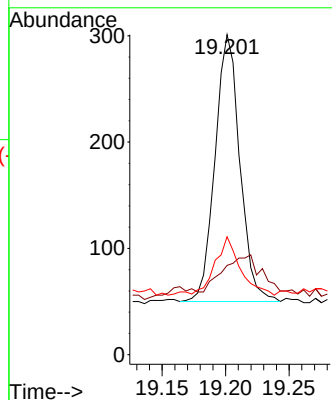
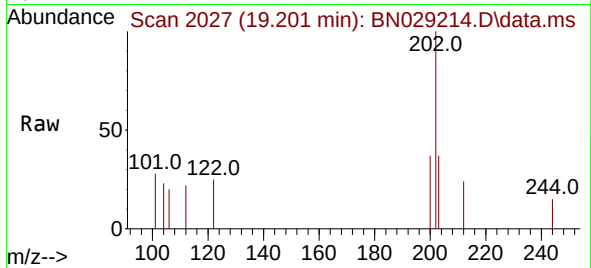




#28  
Fluoranthene  
Concen: 0.041 ng  
RT: 19.201 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

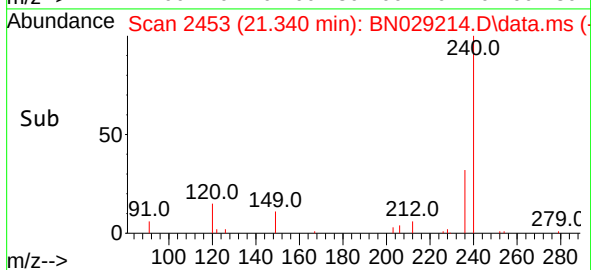
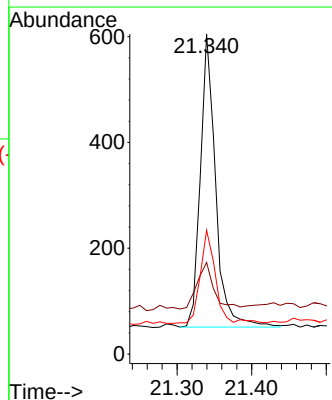
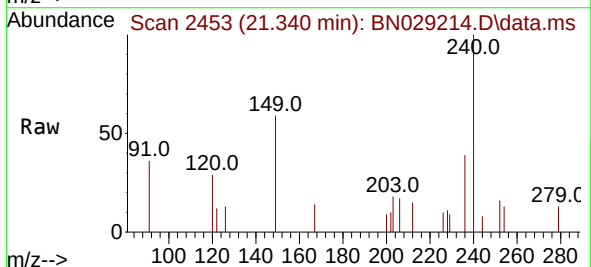
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

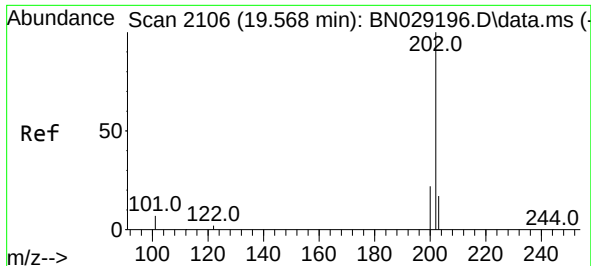
Tgt Ion:202 Resp: 341  
Ion Ratio Lower Upper  
202 100  
101 25.2 5.8 8.6#  
203 22.6 13.6 20.4#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.340 min Scan# 2453  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion:240 Resp: 788  
Ion Ratio Lower Upper  
240 100  
120 28.6 24.6 36.8  
236 38.7 32.0 48.0

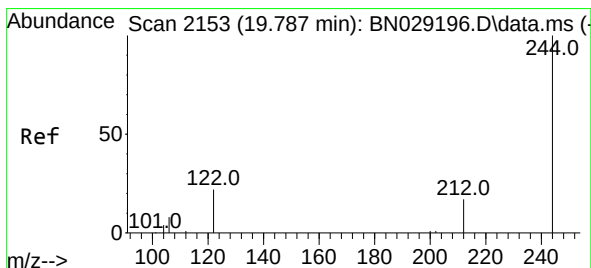
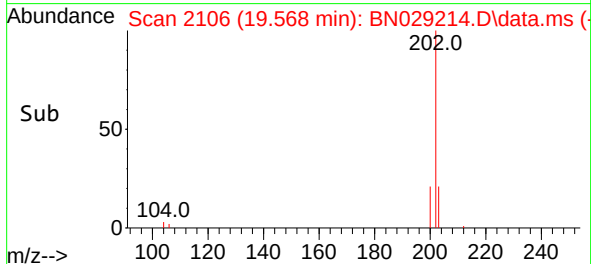
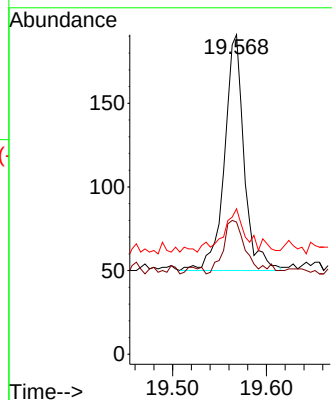
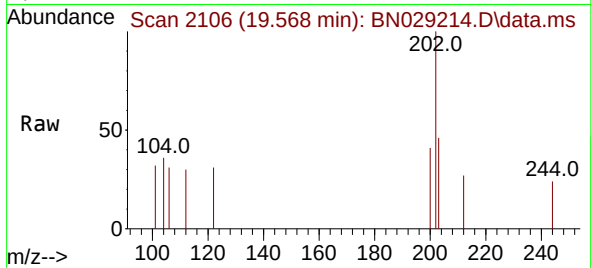




#30  
Pyrene  
Concen: 0.026 ng  
RT: 19.568 min Scan# 2106  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

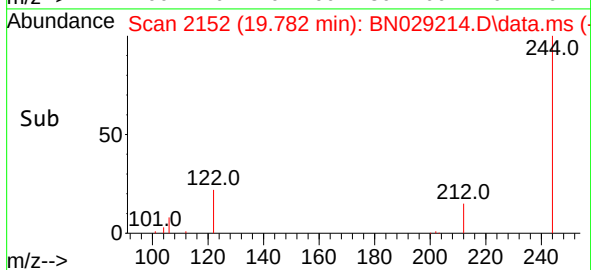
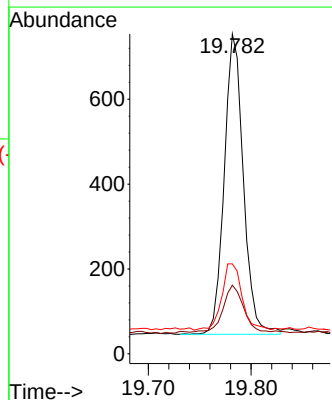
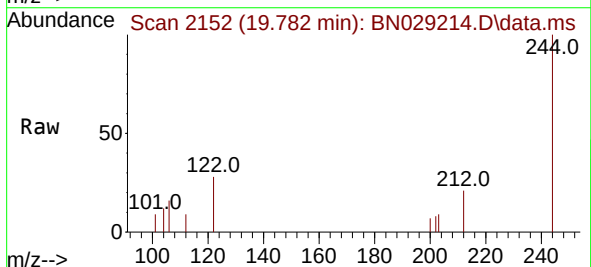
Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

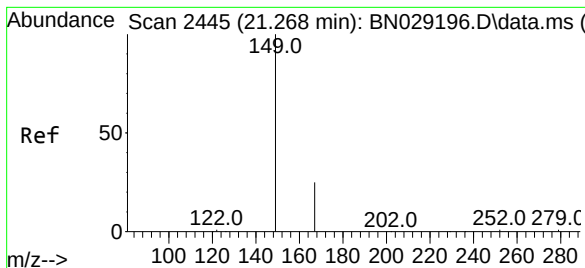
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 205   |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 200      | 24.4  | 18.2  | 27.4  |
| 203      | 17.1  | 14.8  | 22.2  |



#31  
Terphenyl-d14  
Concen: 0.375 ng  
RT: 19.782 min Scan# 2152  
Delta R.T. -0.005 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 244   | Resp: | 916   |
| Ion      | Ratio | Lower | Upper |
| 244      | 100   |       |       |
| 212      | 21.5  | 20.1  | 30.1  |
| 122      | 28.1  | 23.9  | 35.9  |

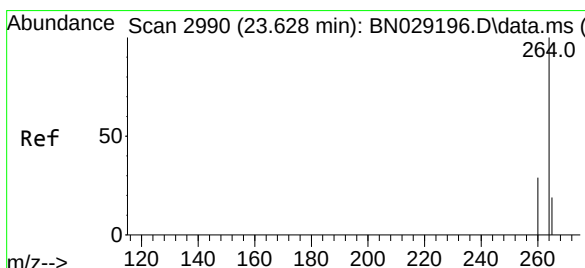
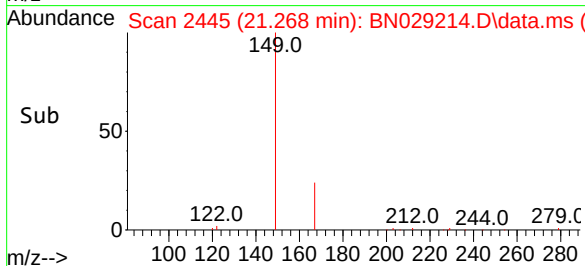
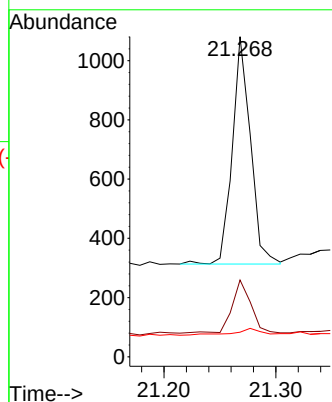
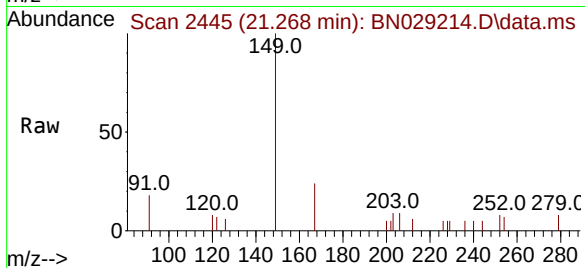




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.132 ng  
RT: 21.268 min Scan# 2445  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Instrument :  
BNA\_N  
ClientSampleId :  
COLS7

Tgt Ion:149 Resp: 871  
Ion Ratio Lower Upper  
149 100  
167 24.0 20.7 31.1  
279 4.5 2.4 3.6#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.628 min Scan# 2990  
Delta R.T. -0.000 min  
Lab File: BN029214.D  
Acq: 28 Dec 2023 15:01

Tgt Ion:264 Resp: 811  
Ion Ratio Lower Upper  
264 100  
260 35.6 30.2 45.4  
265 111.9 88.1 132.1

