

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101123\  
 Data File : BN028236.D  
 Acq On : 11 Oct 2023 17:13  
 Operator : MA/JU  
 Sample : 04793-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-201-20231005

Quant Time: Oct 12 04:05:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN100223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 12 04:03:12 2023  
 Response via : Initial Calibration

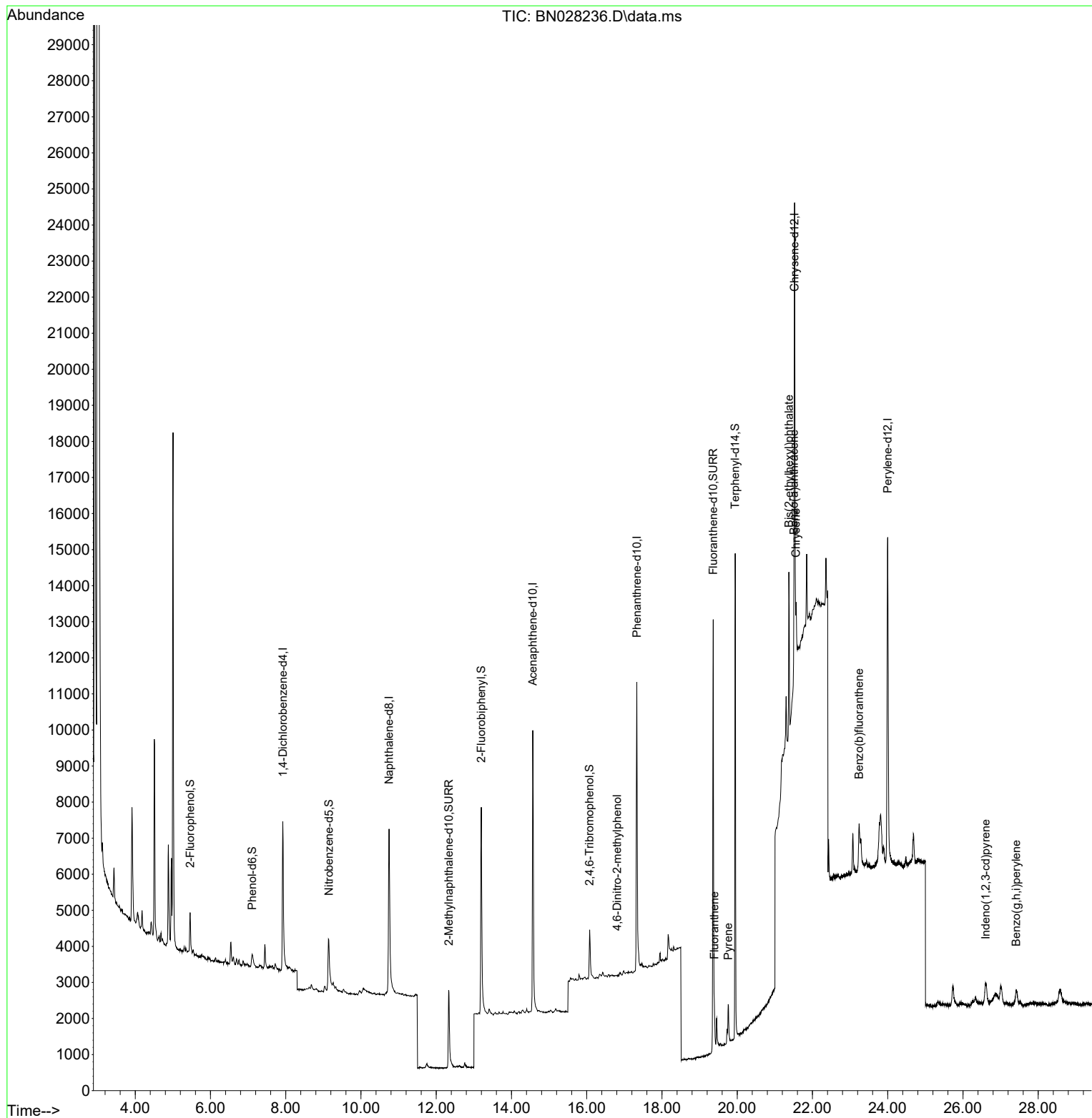
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 2773     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.746 | 136  | 8769     | 0.400 | ng    | # 0.01   |
| 13) Acenaphthene-d10          | 14.566 | 164  | 5436     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.331 | 188  | 12688    | 0.400 | ng    | 0.01     |
| 29) Chrysene-d12              | 21.524 | 240  | 13357    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.999 | 264  | 14161    | 0.400 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.459  | 112  | 1174     | 0.142 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.106  | 99   | 753      | 0.072 | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 9.144  | 82   | 2456     | 0.329 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.332 | 152  | 4375     | 0.337 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.077 | 330  | 986      | 0.396 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.197 | 172  | 6766     | 0.345 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.360 | 212  | 13940    | 0.438 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.946 | 244  | 14369    | 0.461 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 20) 4,6-Dinitro-2-methylph... | 16.810 | 198  | 7        | 0.042 | ng    | # 1      |
| 28) Fluoranthene              | 19.393 | 202  | 1261     | 0.032 | ng    | # 94     |
| 30) Pyrene                    | 19.760 | 202  | 1223     | 0.025 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.506 | 228  | 1447     | 0.032 | ng    | # 42     |
| 33) Chrysene                  | 21.560 | 228  | 1757     | 0.040 | ng    | # 59     |
| 34) Bis(2-ethylhexyl)phtha... | 21.372 | 149  | 4311     | 0.144 | ng    | 92       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.604 | 276  | 1028     | 0.022 | ng    | # 81     |
| 37) Benzo(b)fluoranthene      | 23.238 | 252  | 2481     | 0.054 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 27.416 | 276  | 1004     | 0.025 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

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

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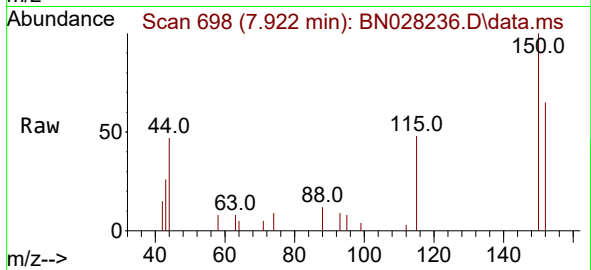
Quant Time: Oct 12 04:05:01 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN100223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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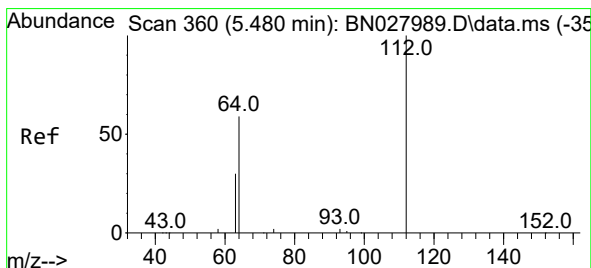
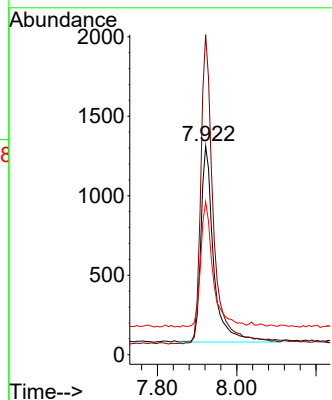
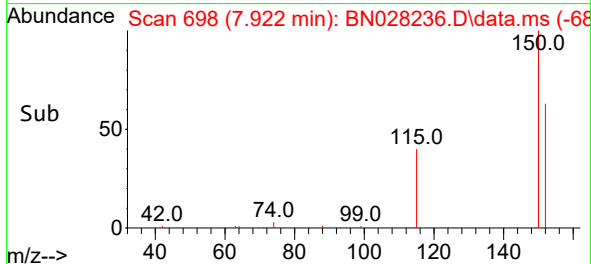


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.922 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Instrument :  
BNA\_N  
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SP-201-20231005

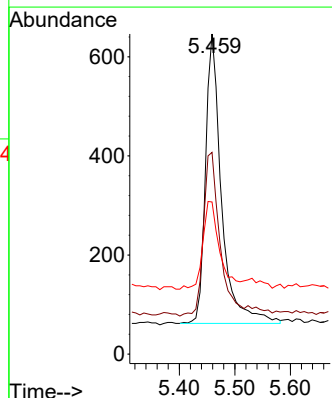
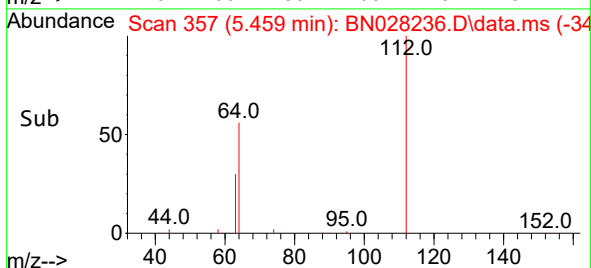
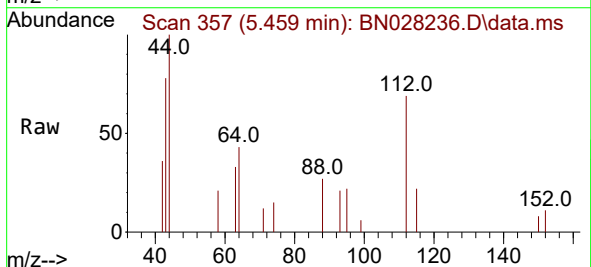


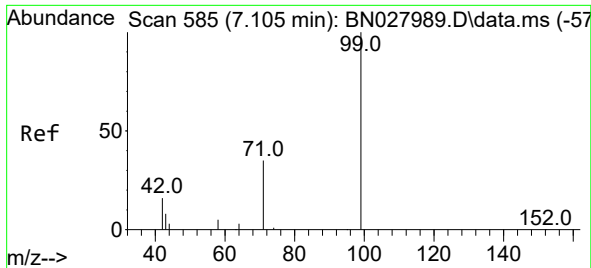
Tgt Ion:152 Resp: 2773  
Ion Ratio Lower Upper  
152 100  
150 153.3 125.6 188.4  
115 73.3 54.8 82.2



#4  
2-Fluorophenol  
Concen: 0.142 ng  
RT: 5.459 min Scan# 357  
Delta R.T. -0.007 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion:112 Resp: 1174  
Ion Ratio Lower Upper  
112 100  
64 57.8 45.0 67.6  
63 31.6 23.4 35.0

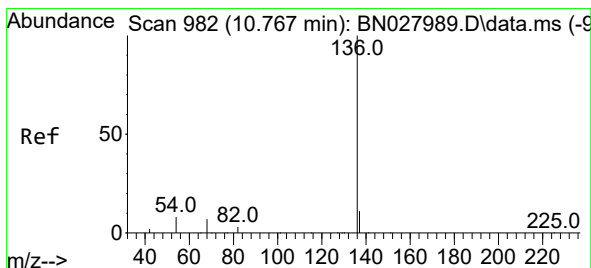
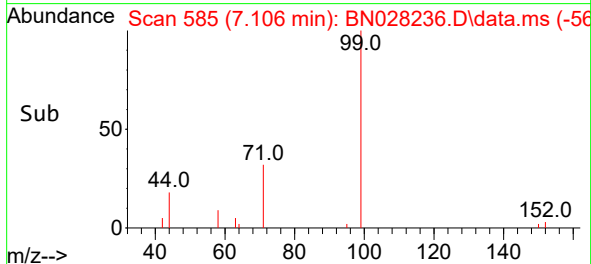
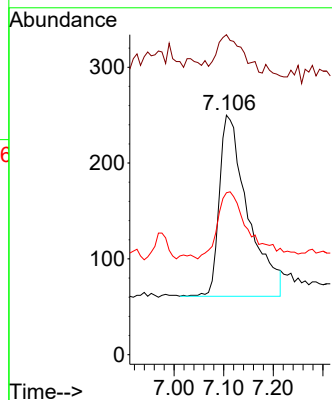
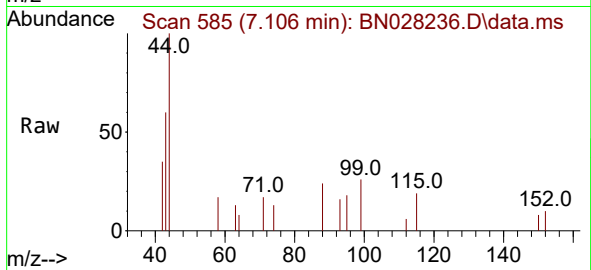




#5  
Phenol-d6  
Concen: 0.072 ng  
RT: 7.106 min Scan# 51  
Delta R.T. 0.014 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

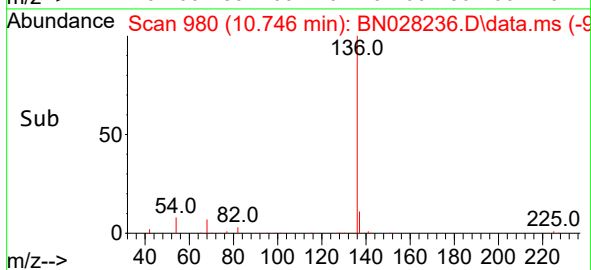
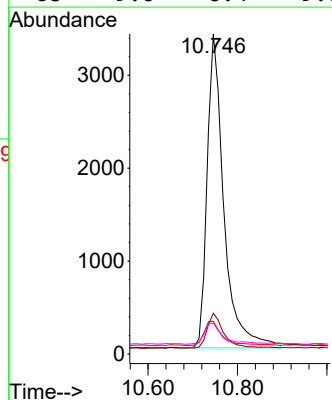
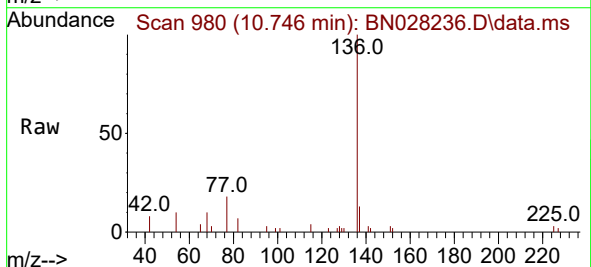
Instrument :  
BNA\_N  
ClientSampleId :  
SP-201-20231005

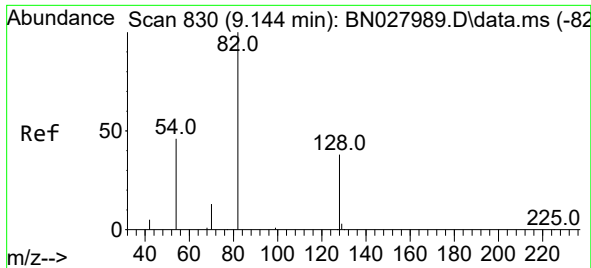
Tgt Ion: 99 Resp: 753  
Ion Ratio Lower Upper  
99 100  
42 18.7 14.6 22.0  
71 38.8 28.3 42.5



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.746 min Scan# 980  
Delta R.T. 0.011 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion: 136 Resp: 8769  
Ion Ratio Lower Upper  
136 100  
137 12.7 9.4 14.0  
54 10.2 7.0 10.6  
68 9.6 6.4 9.6#

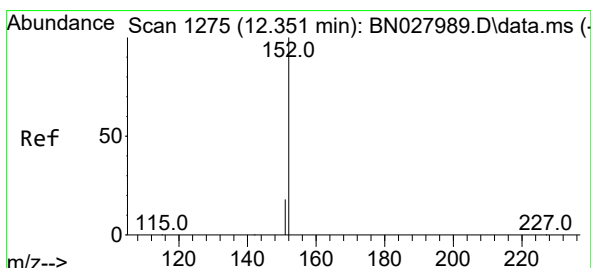
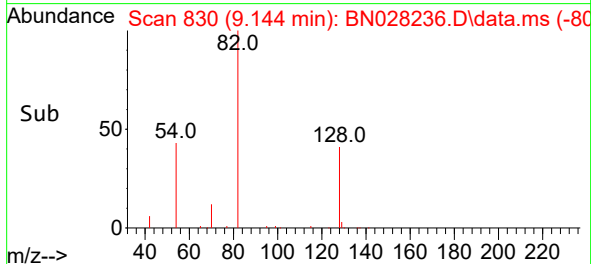
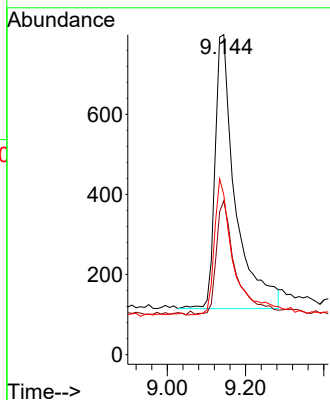
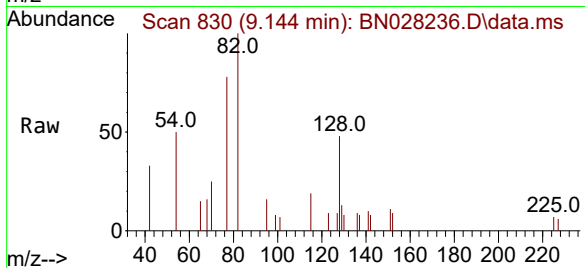




#8  
Nitrobenzene-d5  
Concen: 0.329 ng  
RT: 9.144 min Scan# 81  
Delta R.T. 0.021 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

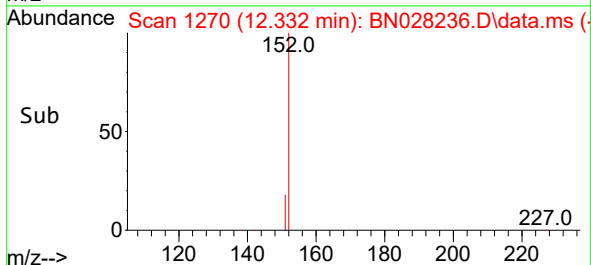
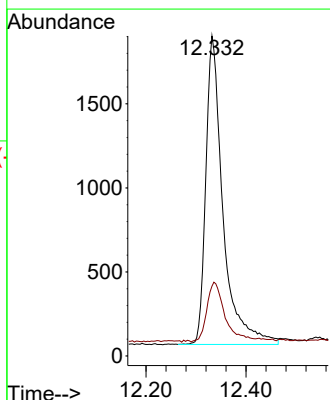
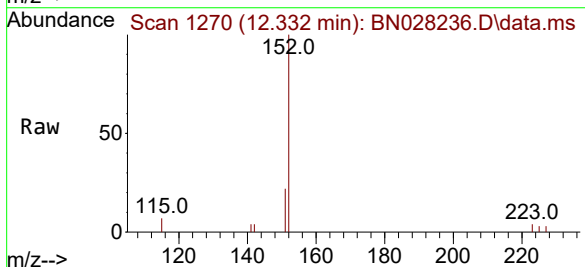
Instrument :  
BNA\_N  
ClientSampleId :  
SP-201-20231005

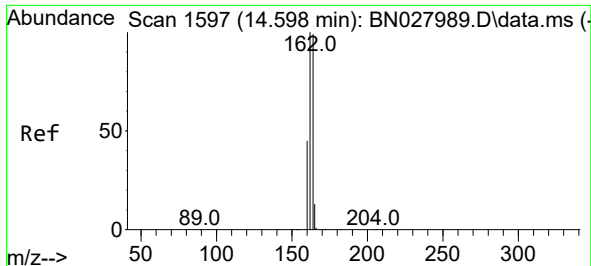
Tgt Ion: 82 Resp: 2456  
Ion Ratio Lower Upper  
82 100  
128 48.1 32.7 49.1  
54 49.9 38.7 58.1



#11  
2-Methylnaphthalene-d10  
Concen: 0.337 ng  
RT: 12.332 min Scan# 1270  
Delta R.T. 0.007 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion:152 Resp: 4375  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.5 24.7

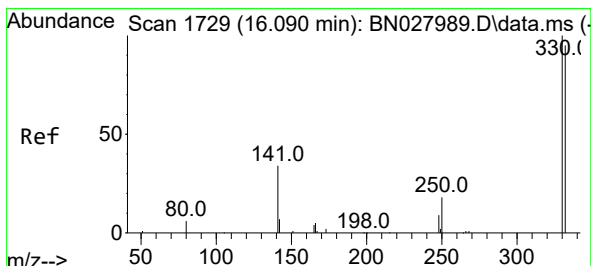
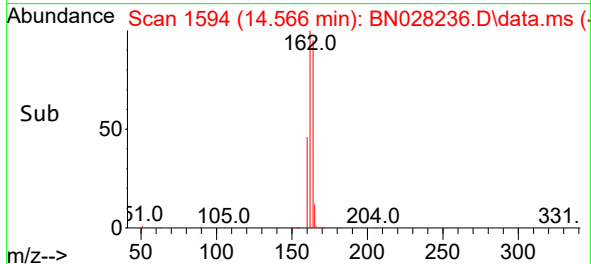
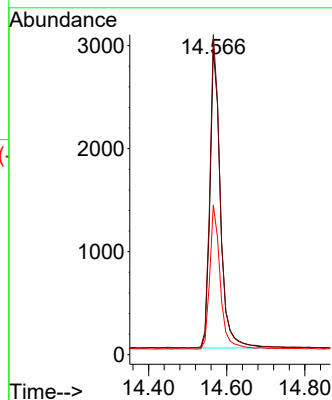
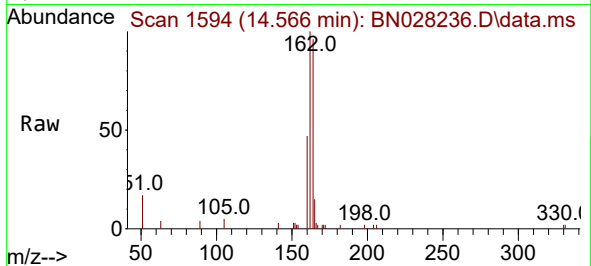




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.566 min Scan# 1594  
Delta R.T. -0.000 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

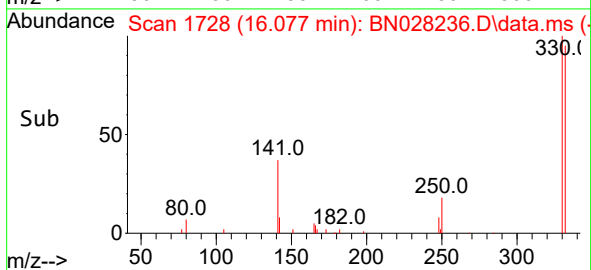
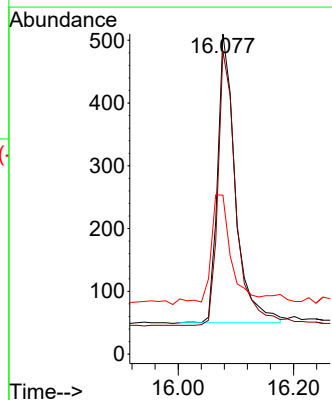
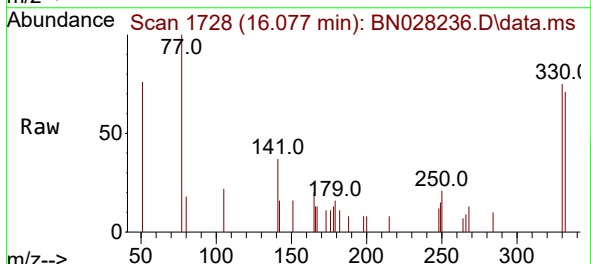
Instrument :  
BNA\_N  
ClientSampleId :  
SP-201-20231005

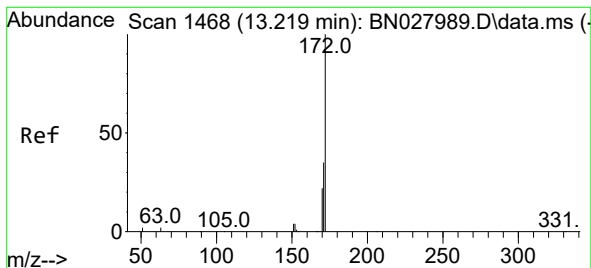
Tgt Ion:164 Resp: 5436  
Ion Ratio Lower Upper  
164 100  
162 104.5 80.8 121.2  
160 48.9 36.4 54.6



#14  
2,4,6-Tribromophenol  
Concen: 0.396 ng  
RT: 16.077 min Scan# 1728  
Delta R.T. -0.000 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion:330 Resp: 986  
Ion Ratio Lower Upper  
330 100  
332 96.3 78.1 117.1  
141 38.1 33.4 50.2

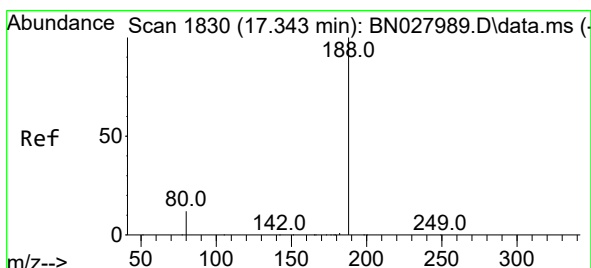
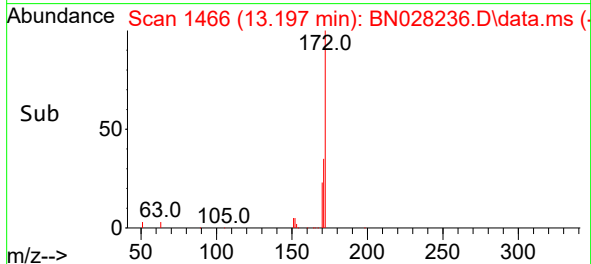
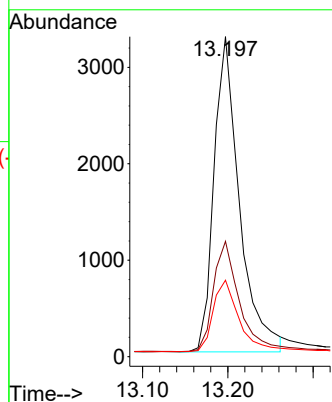
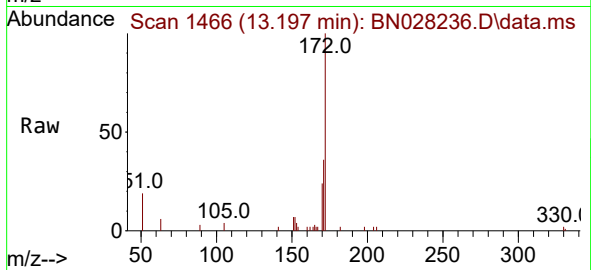




#15  
2-Fluorobiphenyl  
Concen: 0.345 ng  
RT: 13.197 min Scan# 1466  
Delta R.T. 0.011 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

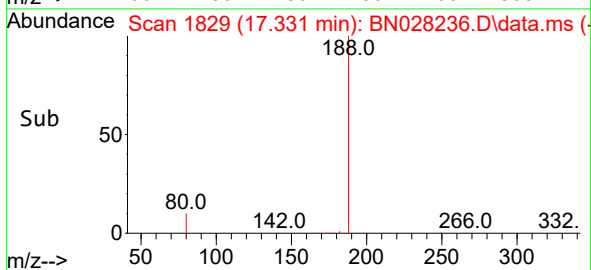
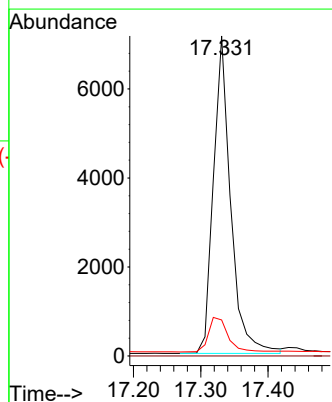
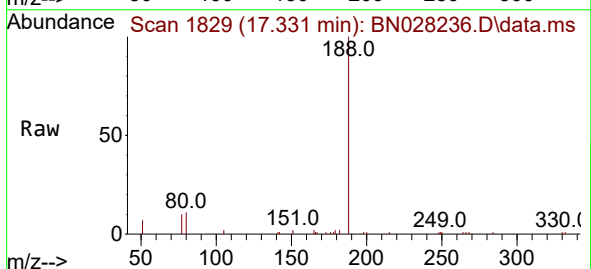
Instrument :  
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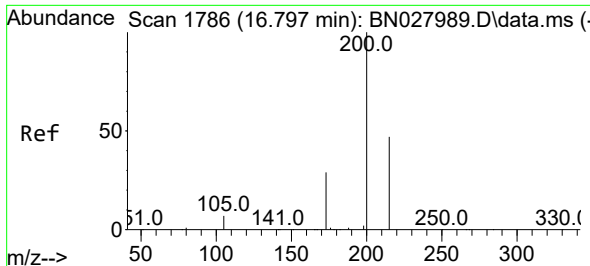
Tgt Ion:172 Resp: 6766  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.1 42.1  
170 23.9 18.4 27.6



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.331 min Scan# 1829  
Delta R.T. 0.012 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

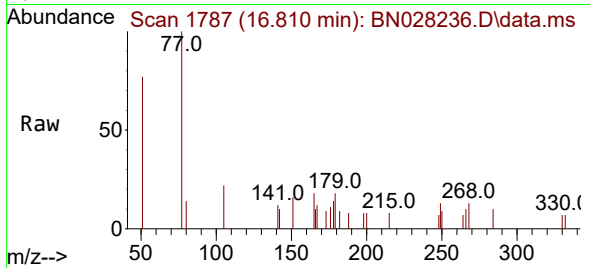
Tgt Ion:188 Resp: 12688  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.2 10.2 15.4



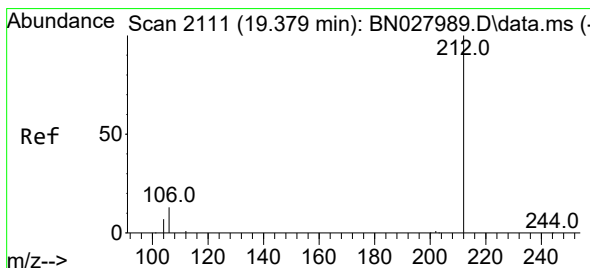
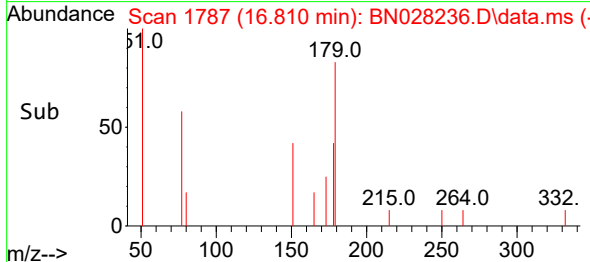
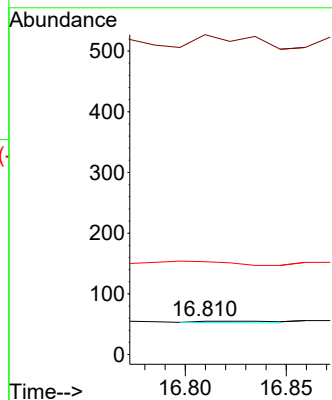


#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.042 ng  
RT: 16.810 min Scan# 11  
Delta R.T. 0.025 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Instrument :  
BNA\_N  
ClientSampleId :  
SP-201-20231005

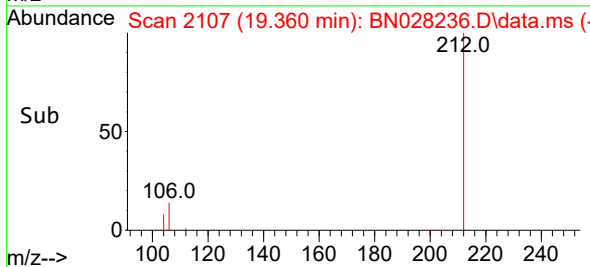
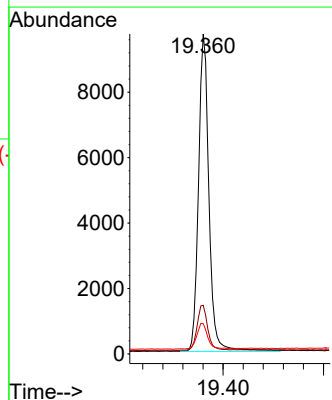
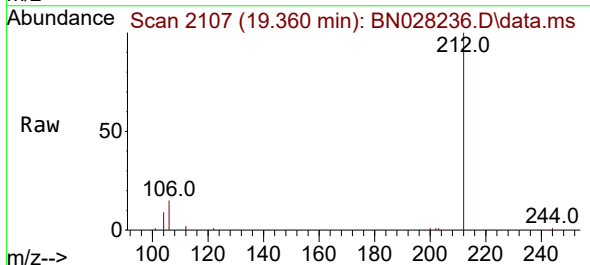


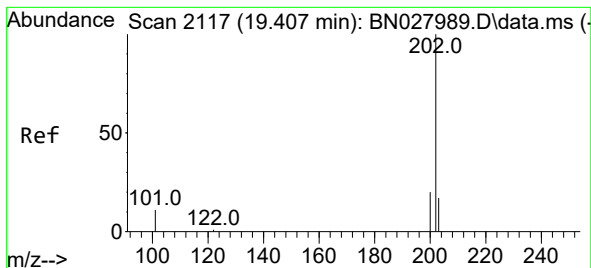
Tgt Ion:198 Resp: 7  
Ion Ratio Lower Upper  
198 100  
51 958.2 180.7 271.1#  
105 278.2 222.2 333.2



#27  
Fluoranthene-d10  
Concen: 0.438 ng  
RT: 19.360 min Scan# 2107  
Delta R.T. 0.005 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion:212 Resp: 13940  
Ion Ratio Lower Upper  
212 100  
106 14.5 11.3 16.9  
104 8.8 6.4 9.6





#28

Fluoranthene

Concen: 0.032 ng

RT: 19.393 min Scan# 2114

Delta R.T. 0.009 min

Lab File: BN028236.D

Acq: 11 Oct 2023 17:13

Instrument :

BNA\_N

ClientSampleId :

SP-201-20231005

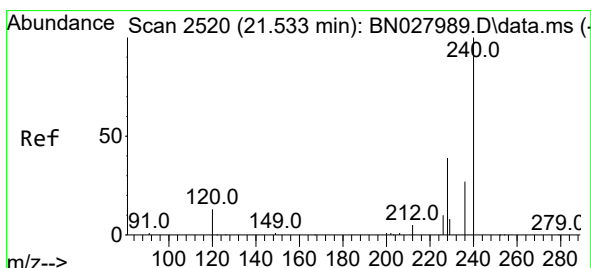
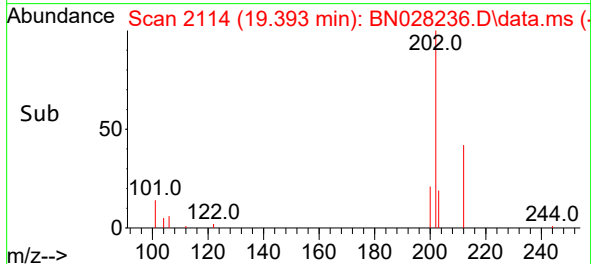
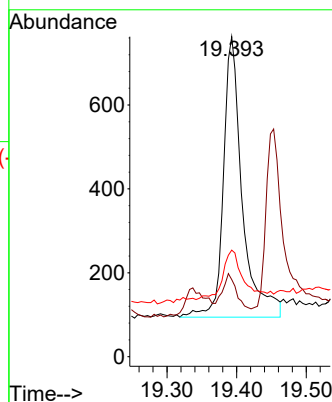
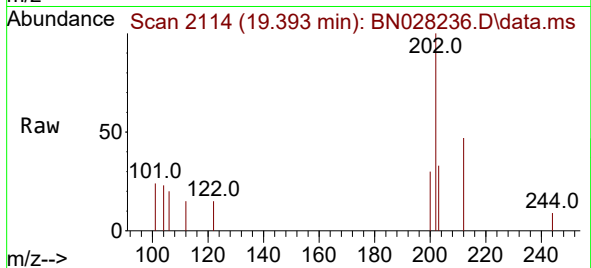
Tgt Ion:202 Resp: 1261

Ion Ratio Lower Upper

202 100

101 8.8 9.8 14.6#

203 19.3 13.8 20.8



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.524 min Scan# 2519

Delta R.T. 0.009 min

Lab File: BN028236.D

Acq: 11 Oct 2023 17:13

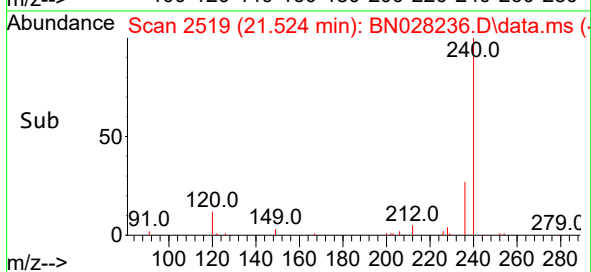
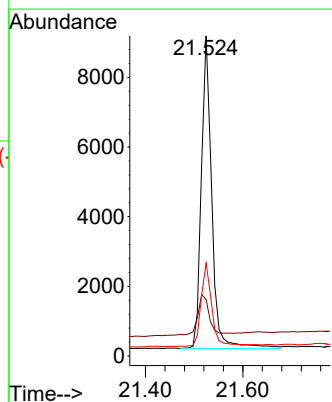
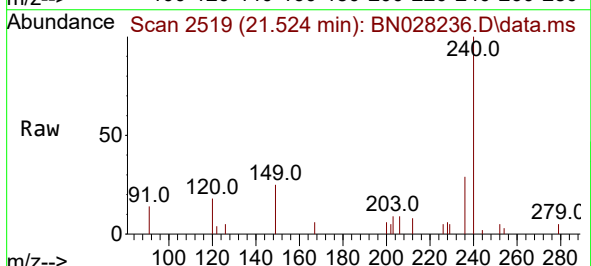
Tgt Ion:240 Resp: 13357

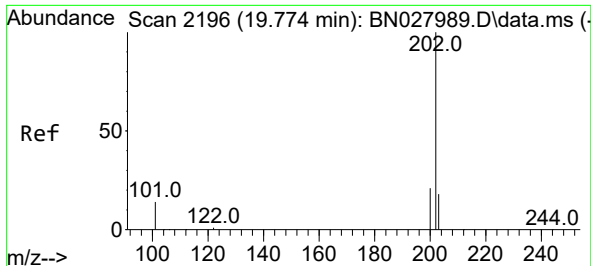
Ion Ratio Lower Upper

240 100

120 17.6 13.8 20.6

236 29.0 22.6 33.8

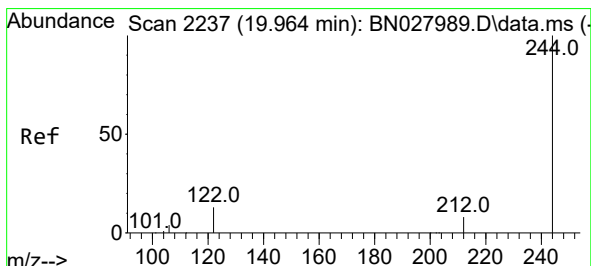
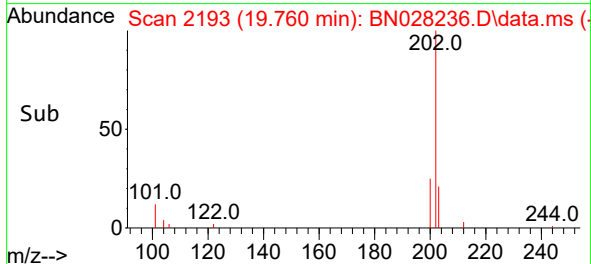
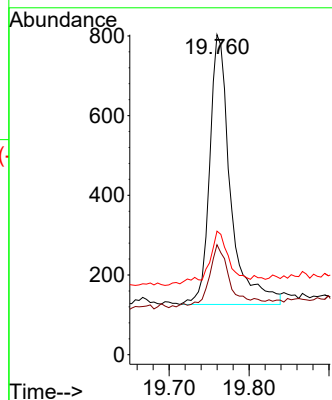
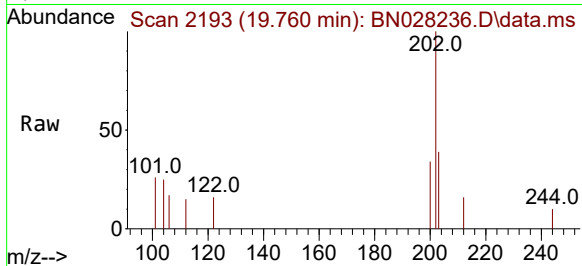




#30  
 Pyrene  
 Concen: 0.025 ng  
 RT: 19.760 min Scan# 2196  
 Delta R.T. 0.009 min  
 Lab File: BN028236.D  
 Acq: 11 Oct 2023 17:13

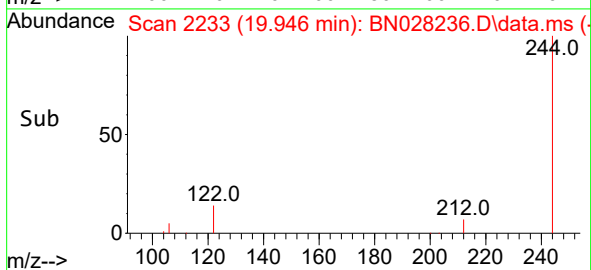
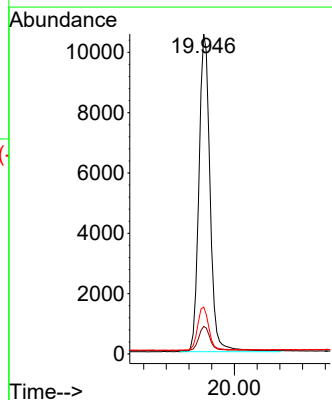
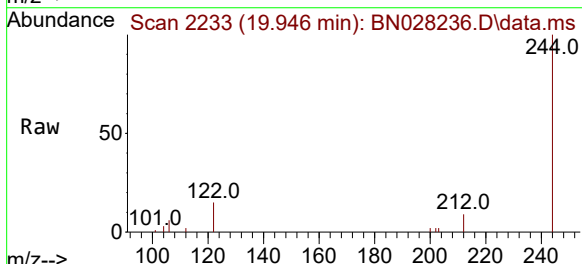
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-201-20231005

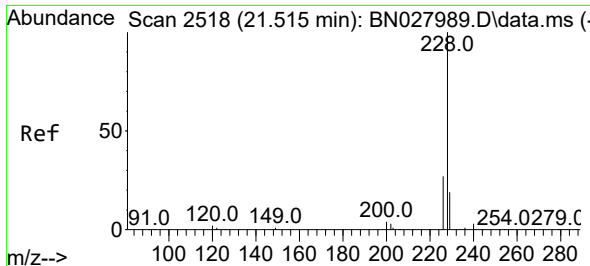
Tgt Ion:202 Resp: 1223  
 Ion Ratio Lower Upper  
 202 100  
 200 20.2 16.5 24.7  
 203 20.3 14.7 22.1



#31  
 Terphenyl-d14  
 Concen: 0.461 ng  
 RT: 19.946 min Scan# 2233  
 Delta R.T. 0.005 min  
 Lab File: BN028236.D  
 Acq: 11 Oct 2023 17:13

Tgt Ion:244 Resp: 14369  
 Ion Ratio Lower Upper  
 244 100  
 212 8.6 6.6 9.8  
 122 14.6 11.4 17.0

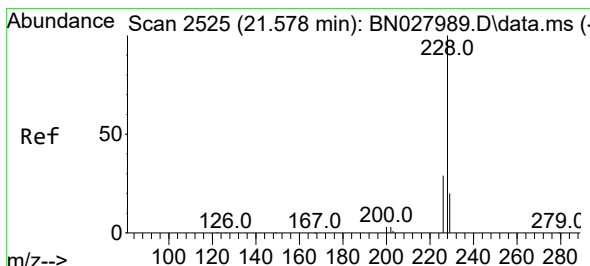
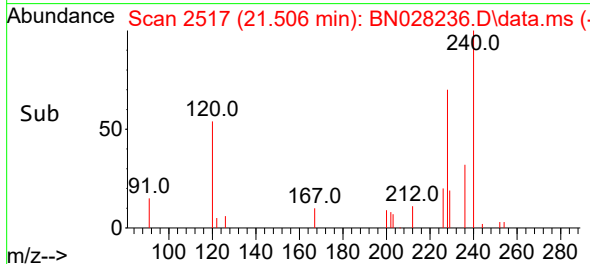
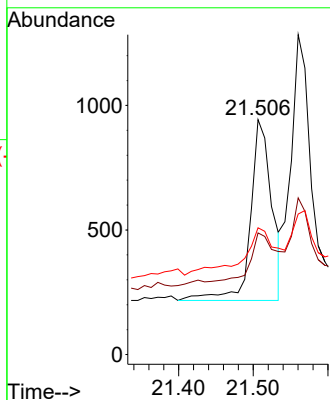
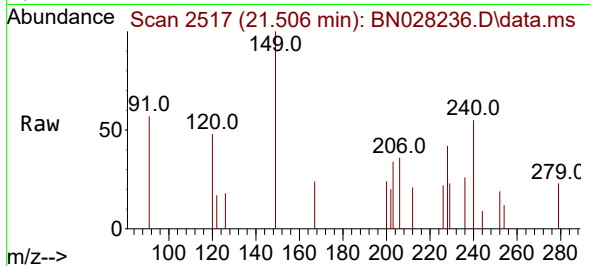




#32  
Benzo(a)anthracene  
Concen: 0.032 ng  
RT: 21.506 min Scan# 2151  
Delta R.T. 0.009 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

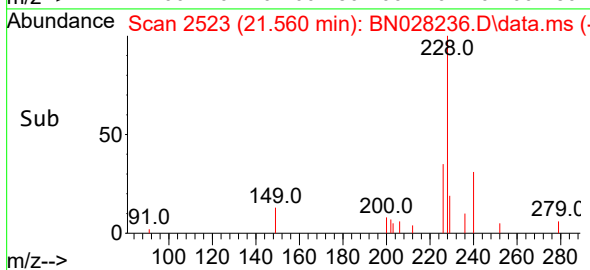
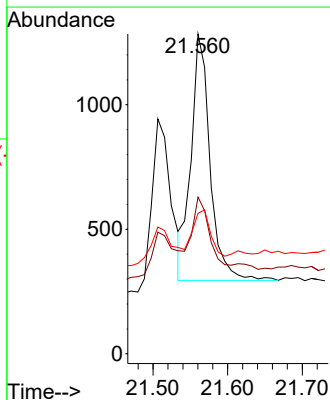
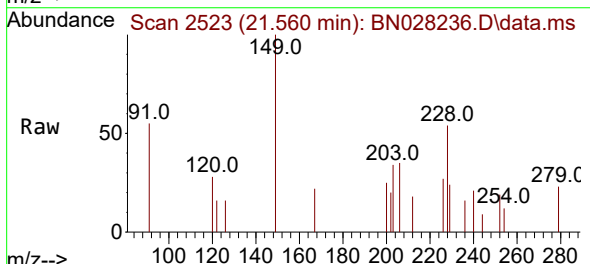
Instrument :  
BNA\_N  
ClientSampleId :  
SP-201-20231005

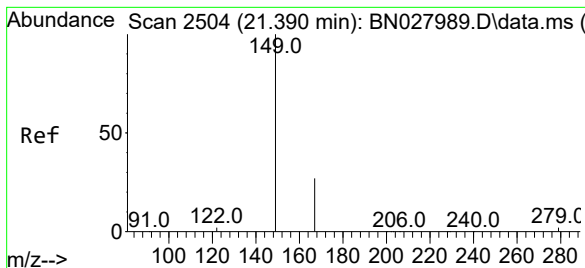
Tgt Ion:228 Resp: 1447  
Ion Ratio Lower Upper  
228 100  
226 51.7 22.0 33.0#  
229 54.0 16.0 24.0#



#33  
Chrysene  
Concen: 0.040 ng  
RT: 21.560 min Scan# 2523  
Delta R.T. 0.009 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion:228 Resp: 1757  
Ion Ratio Lower Upper  
228 100  
226 49.0 23.8 35.8#  
229 43.9 16.6 25.0#

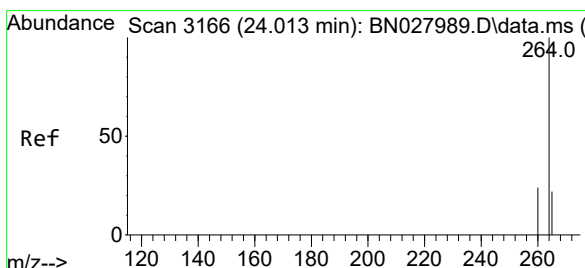
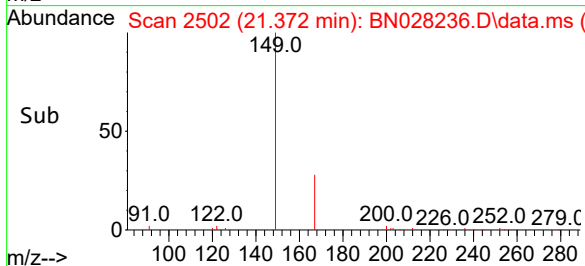
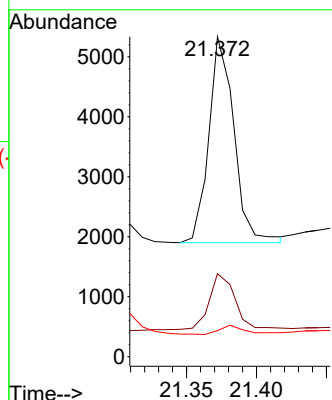
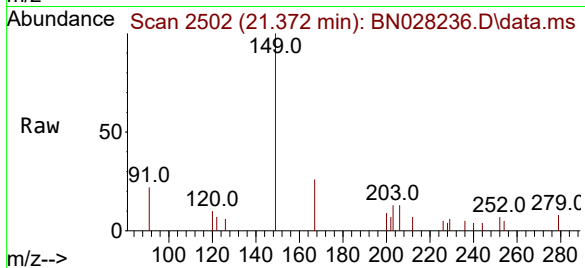




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.144 ng  
 RT: 21.372 min Scan# 2137  
 Delta R.T. 0.009 min  
 Lab File: BN028236.D  
 Acq: 11 Oct 2023 17:13

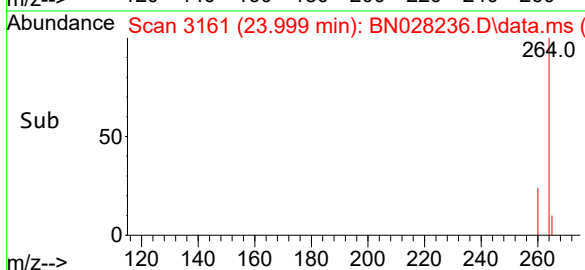
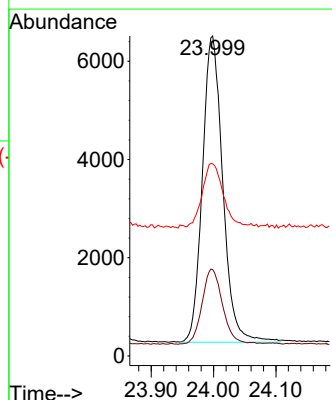
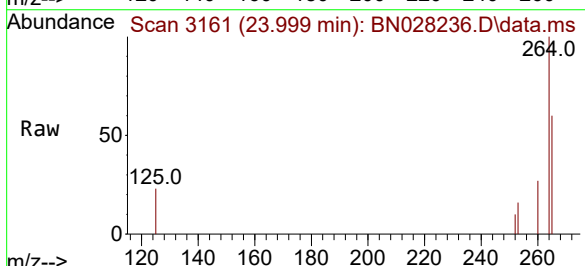
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SP-201-20231005

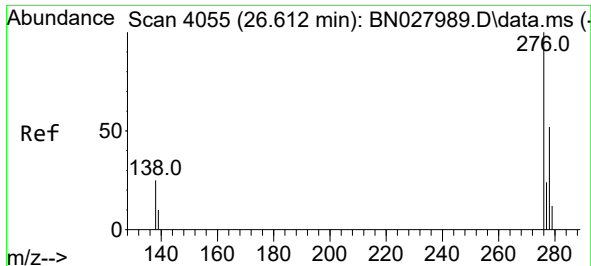
Tgt Ion:149 Resp: 4311  
 Ion Ratio Lower Upper  
 149 100  
 167 32.3 22.1 33.1  
 279 4.1 3.4 5.0



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.999 min Scan# 3161  
 Delta R.T. 0.023 min  
 Lab File: BN028236.D  
 Acq: 11 Oct 2023 17:13

Tgt Ion:264 Resp: 14161  
 Ion Ratio Lower Upper  
 264 100  
 260 27.0 20.2 30.4  
 265 60.1 54.8 82.2

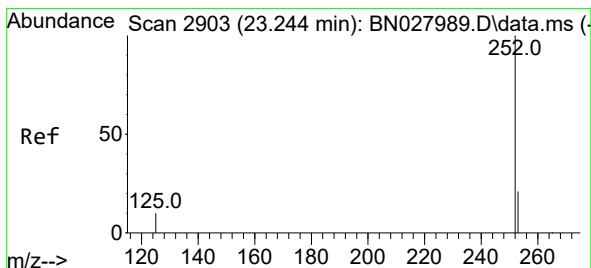
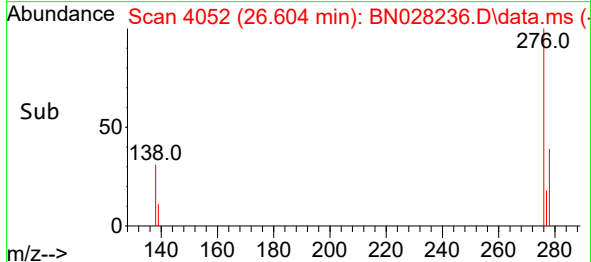
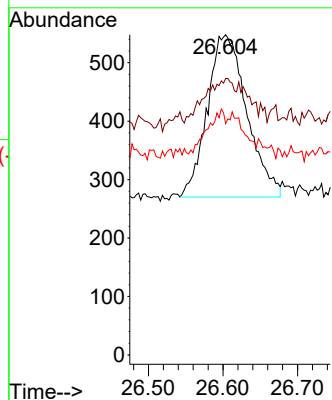
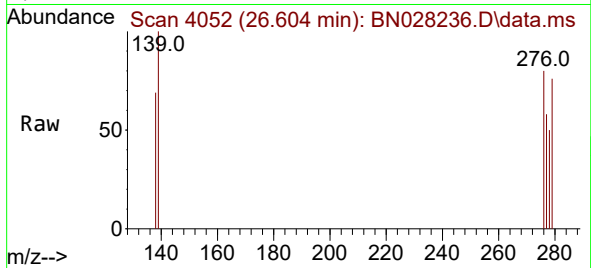




#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.022 ng  
RT: 26.604 min Scan# 4055  
Delta R.T. 0.047 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

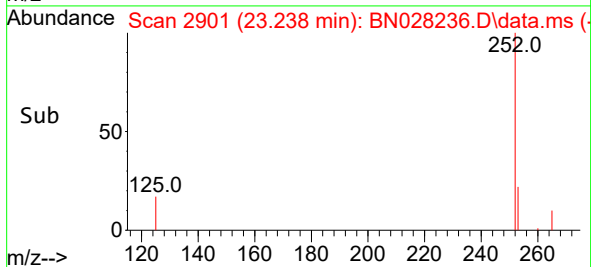
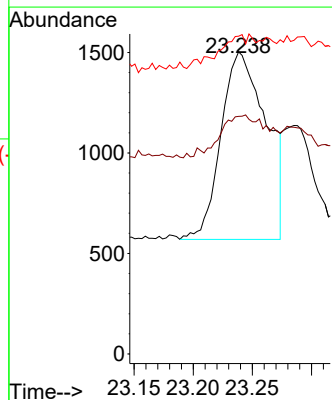
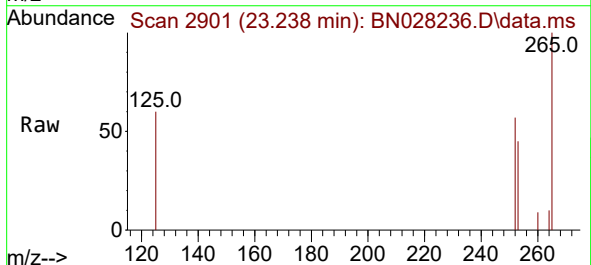
Instrument :  
BNA\_N  
ClientSampleId :  
SP-201-20231005

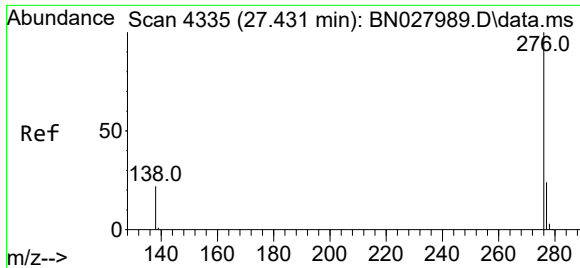
Tgt Ion:276 Resp: 1028  
Ion Ratio Lower Upper  
276 100  
138 20.0 20.9 31.3#  
277 12.0 19.8 29.6#



#37  
Benzo(b)fluoranthene  
Concen: 0.054 ng  
RT: 23.238 min Scan# 2901  
Delta R.T. 0.026 min  
Lab File: BN028236.D  
Acq: 11 Oct 2023 17:13

Tgt Ion:252 Resp: 2481  
Ion Ratio Lower Upper  
252 100  
253 78.6 22.9 34.3#  
125 105.2 13.8 20.8#





#41

Benzo(g,h,i)perylene

Concen: 0.025 ng

RT: 27.416 min Scan# 41

Delta R.T. 0.050 min

Lab File: BN028236.D

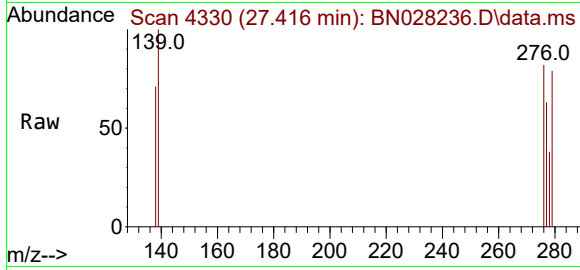
Acq: 11 Oct 2023 17:13

Instrument :

BNA\_N

ClientSampleId :

SP-201-20231005



Tgt Ion:276 Resp: 1004

Ion Ratio Lower Upper

276 100

277 76.3 22.1 33.1#

138 85.6 20.8 31.2#

