

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082224\  
 Data File : BN033574.D  
 Acq On : 23 Aug 2024 04:42  
 Operator : MA/JU  
 Sample : P3671-07  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-905-J-SO-0-0.5-081924-FD

Quant Time: Aug 23 05:11:51 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN081924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 00:22:18 2024  
 Response via : Initial Calibration

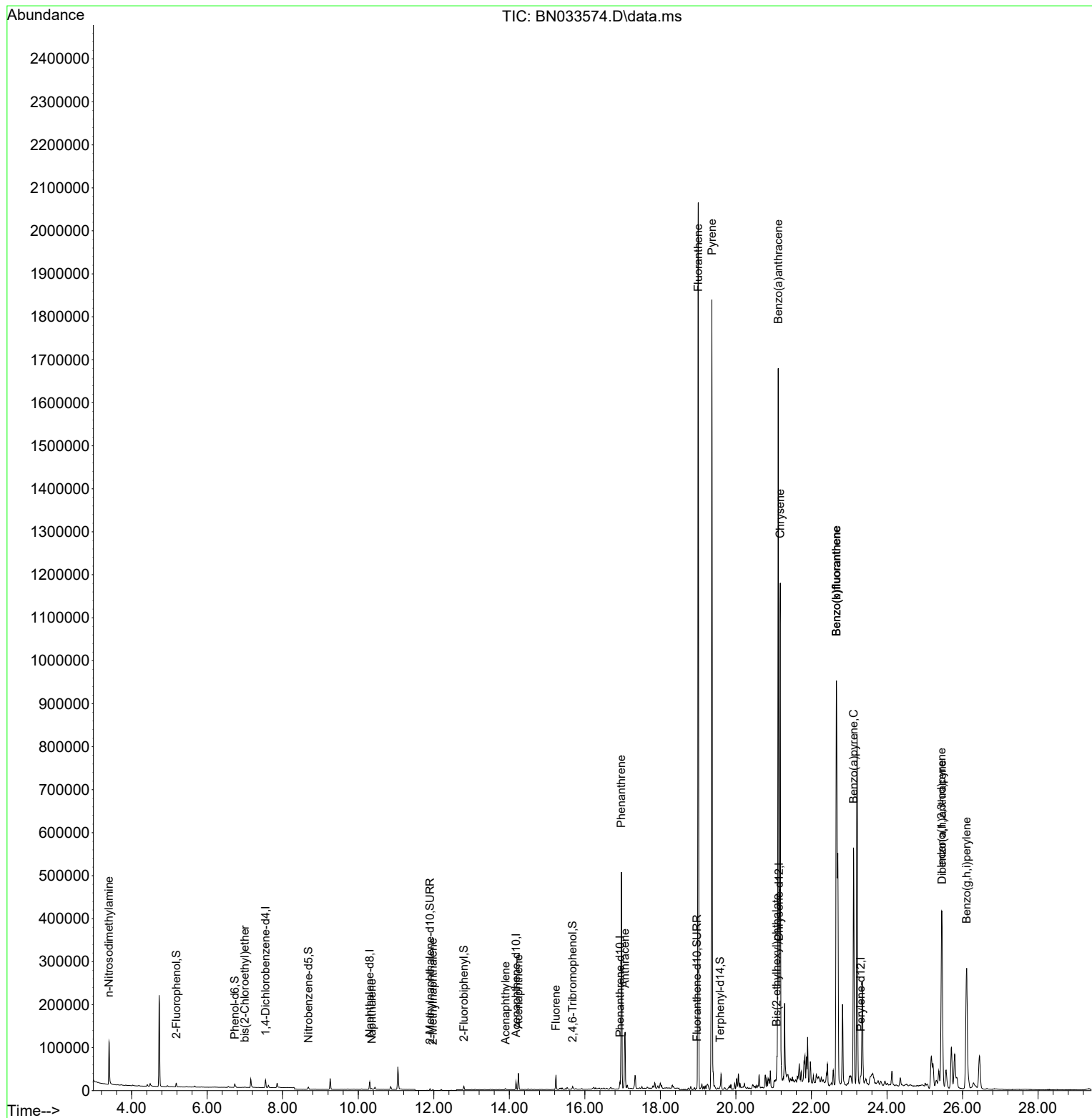
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.545  | 152  | 8063     | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.304 | 136  | 20827    | 0.400  | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.178 | 164  | 10022    | 0.400  | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.929 | 188  | 20045    | 0.400  | ng    | 0.00     |
| 29) Chrysene-d12              | 21.139 | 240  | 22012    | 0.400  | ng    | 0.00     |
| 35) Perylene-d12              | 23.303 | 264  | 22949    | 0.400  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.183  | 112  | 6327     | 0.247  | ng    | 0.00     |
| 5) Phenol-d6                  | 6.729  | 99   | 7016     | 0.230  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.681  | 82   | 4180     | 0.242  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.903 | 152  | 5182     | 0.174  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.676 | 330  | 1087     | 0.202  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.799 | 172  | 6614     | 0.162  | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.970 | 212  | 6634     | 0.138  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.583 | 244  | 4810     | 0.096  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 3) n-Nitrosodimethylamine     | 3.399  | 42   | 14074    | 1.304  | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 6.996  | 93   | 1365     | 0.063  | ng    | # 24     |
| 9) Naphthalene                | 10.357 | 128  | 2666     | 0.048  | ng    | # 90     |
| 12) 2-Methylnaphthalene       | 11.975 | 142  | 1226     | 0.035  | ng    | # 91     |
| 16) Acenaphthylene            | 13.900 | 152  | 3215     | 0.073  | ng    | 98       |
| 17) Acenaphthene              | 14.242 | 154  | 17697    | 0.572  | ng    | 98       |
| 18) Fluorene                  | 15.236 | 166  | 20096    | 0.516  | ng    | 99       |
| 25) Phenanthrene              | 16.966 | 178  | 518372   | 9.296  | ng    | 100      |
| 26) Anthracene                | 17.066 | 178  | 151975   | 3.080  | ng    | 98       |
| 28) Fluoranthene              | 19.003 | 202  | 1801050  | 29.226 | ng    | 100      |
| 30) Pyrene                    | 19.365 | 202  | 1607538  | 16.363 | ng    | # 93     |
| 32) Benzo(a)anthracene        | 21.121 | 228  | 1300011  | 16.336 | ng    | 98       |
| 33) Chrysene                  | 21.175 | 228  | 1034754  | 13.081 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.077 | 149  | 10347    | 0.205  | ng    | # 66     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.446 | 276  | 602379   | 6.323  | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 22.662 | 252  | 1485702  | 17.336 | ng    | # 93     |
| 38) Benzo(k)fluoranthene      | 22.662 | 252  | 1485702  | 17.613 | ng    | # 90     |
| 39) Benzo(a)pyrene            | 23.116 | 252  | 683984   | 9.646  | ng    | 92       |
| 40) Dibenzo(a,h)anthracene    | 25.460 | 278  | 158541   | 2.081  | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.109 | 276  | 543217   | 6.668  | ng    | 98       |
| -----                         |        |      |          |        |       |          |

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

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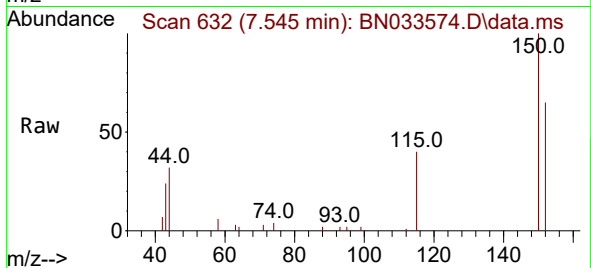
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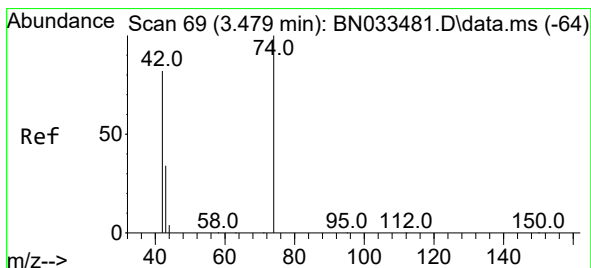
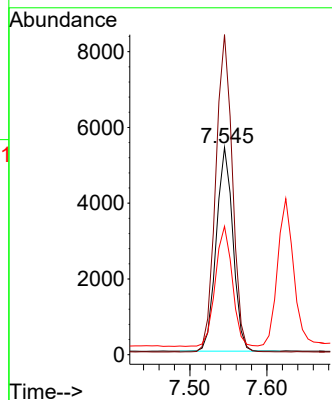
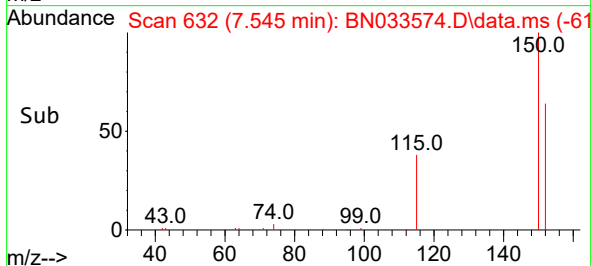


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.545 min Scan# 61  
 Delta R.T. -0.000 min  
 Lab File: BN033574.D  
 Acq: 23 Aug 2024 04:42

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-905-J-SO-0-0.5-081924-FD

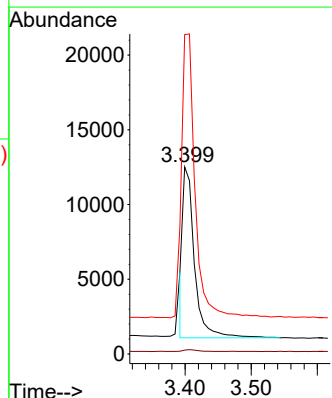
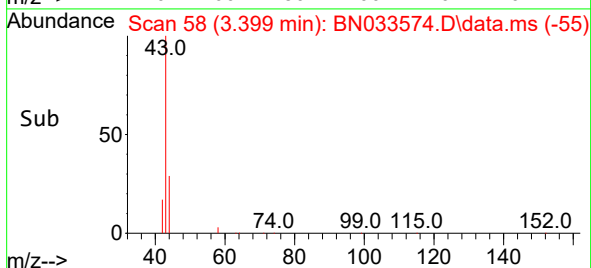
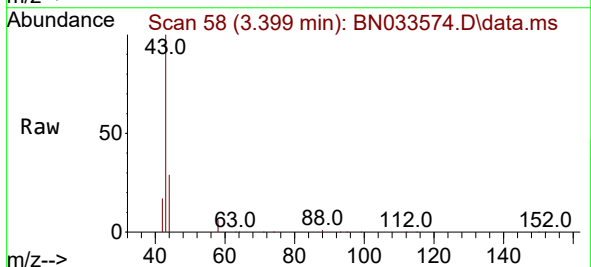


Tgt Ion:152 Resp: 8063  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 122.2 183.2  
 115 61.9 47.2 70.8



#3  
 n-Nitrosodimethylamine  
 Concen: 1.304 ng  
 RT: 3.399 min Scan# 58  
 Delta R.T. -0.080 min  
 Lab File: BN033574.D  
 Acq: 23 Aug 2024 04:42

Tgt Ion: 42 Resp: 14074  
 Ion Ratio Lower Upper  
 42 100  
 74 1.0 100.2 150.2#  
 44 171.2 5.3 7.9#

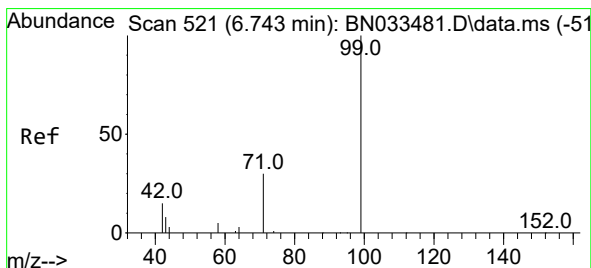
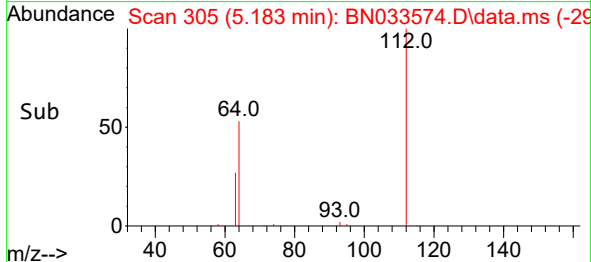
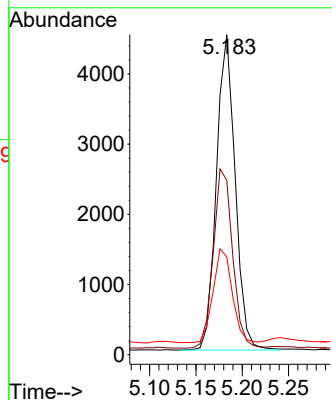
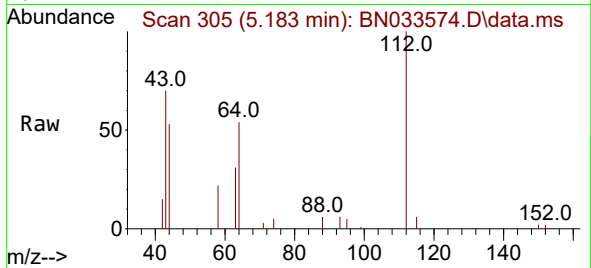




#4  
2-Fluorophenol  
Concen: 0.247 ng  
RT: 5.183 min Scan# 306  
Delta R.T. 0.007 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

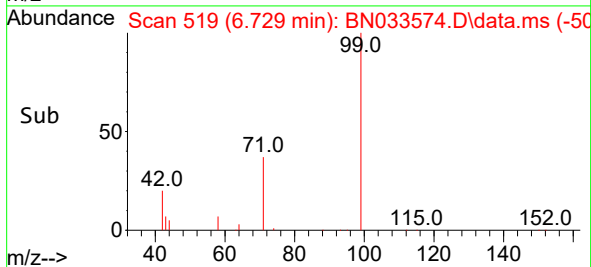
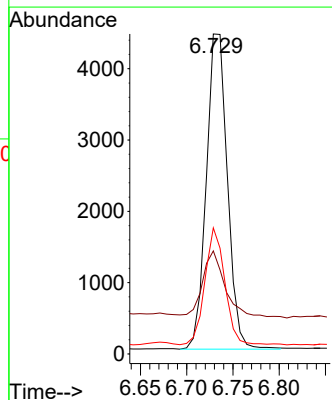
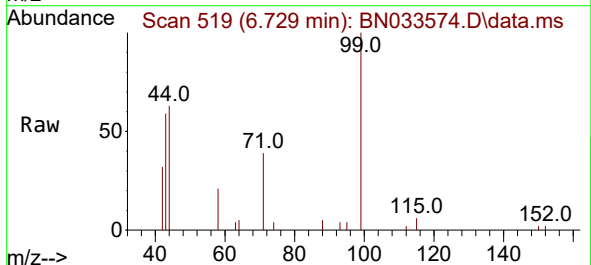
Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

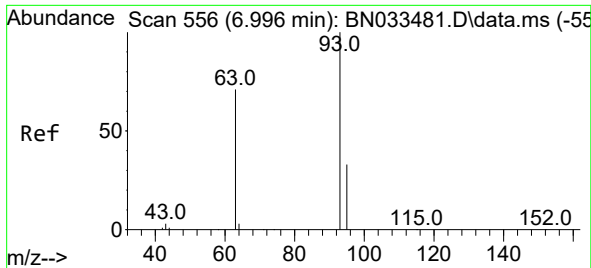
Tgt Ion:112 Resp: 6327  
Ion Ratio Lower Upper  
112 100  
64 58.6 47.1 70.7  
63 30.3 24.9 37.3



#5  
Phenol-d6  
Concen: 0.230 ng  
RT: 6.729 min Scan# 519  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion: 99 Resp: 7016  
Ion Ratio Lower Upper  
99 100  
42 21.6 16.6 24.8  
71 34.9 26.2 39.4

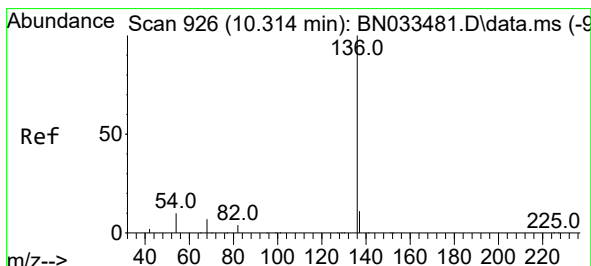
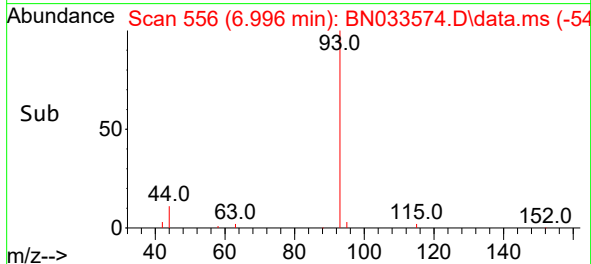
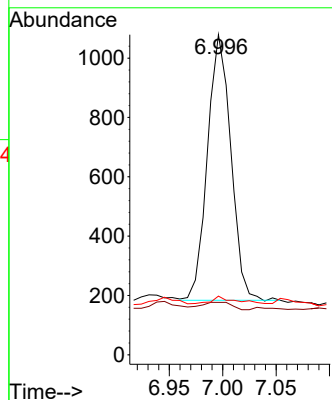
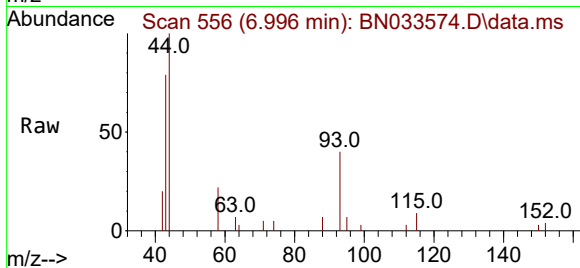




#6  
bis(2-Chloroethyl)ether  
Concen: 0.063 ng  
RT: 6.996 min Scan# 556  
Delta R.T. 0.014 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

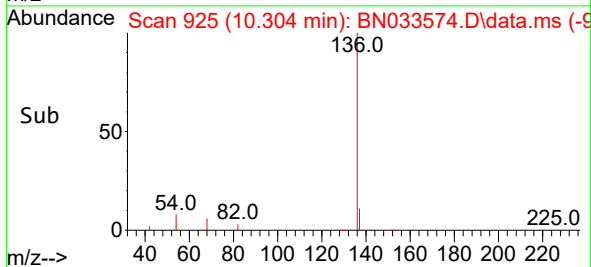
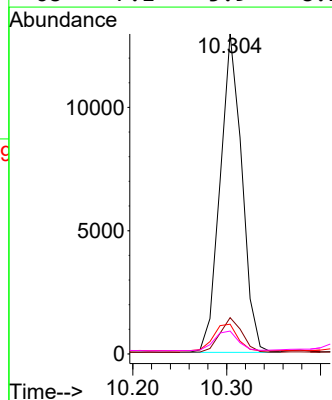
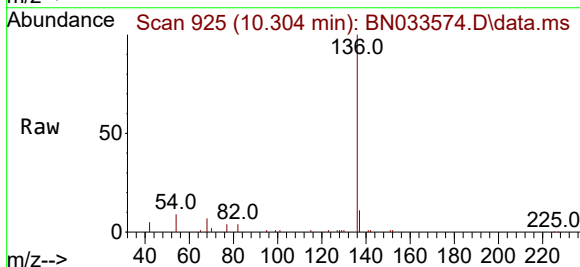
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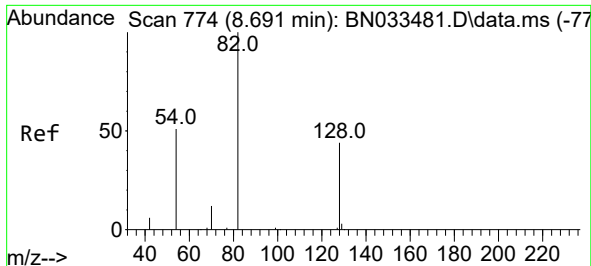
Tgt Ion: 93 Resp: 1365  
Ion Ratio Lower Upper  
93 100  
63 3.7 63.0 94.4#  
95 2.6 26.0 39.0#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.304 min Scan# 925  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion: 136 Resp: 20827  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.0 13.6  
54 9.3 8.3 12.5  
68 7.1 5.9 8.9

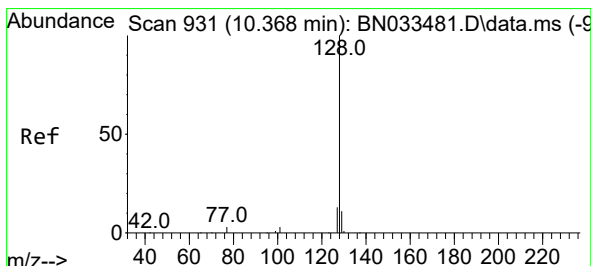
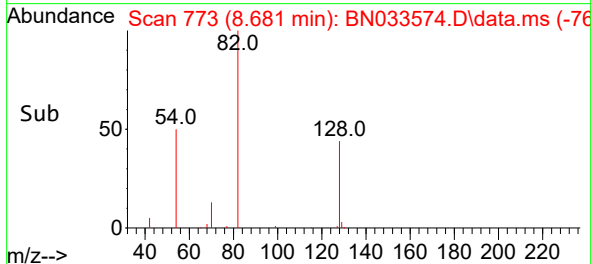
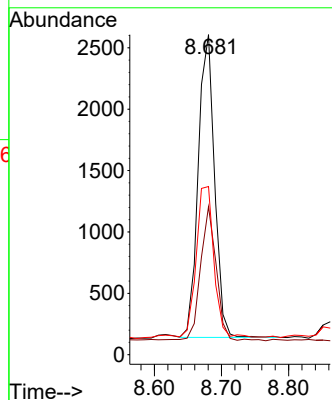
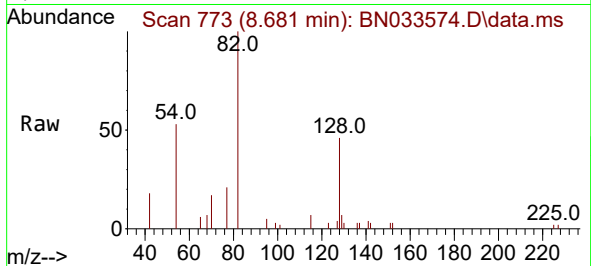




#8  
Nitrobenzene-d5  
Concen: 0.242 ng  
RT: 8.681 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

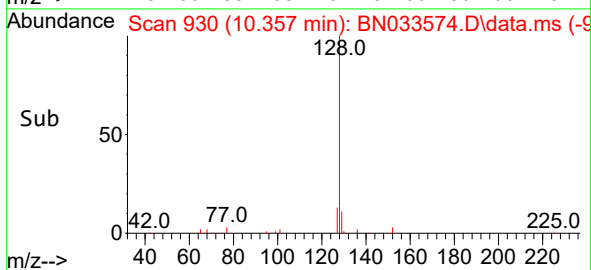
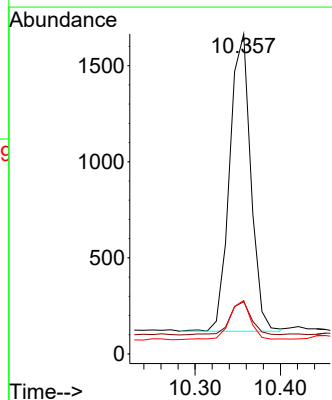
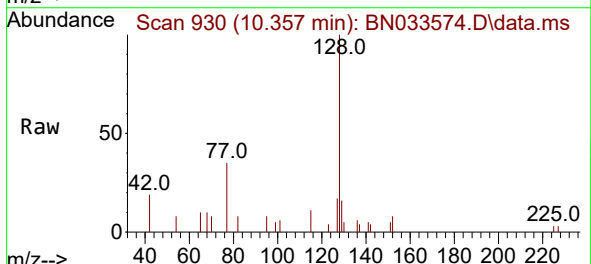
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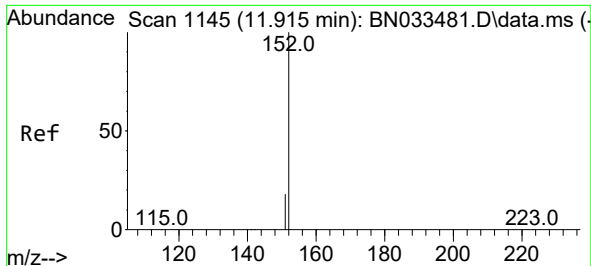
Tgt Ion: 82 Resp: 4180  
Ion Ratio Lower Upper  
82 100  
128 46.3 36.0 54.0  
54 52.6 42.0 63.0



#9  
Naphthalene  
Concen: 0.048 ng  
RT: 10.357 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion: 128 Resp: 2666  
Ion Ratio Lower Upper  
128 100  
129 16.3 9.1 13.7#  
127 16.7 10.7 16.1#





#11

2-Methylnaphthalene-d10

Concen: 0.174 ng

RT: 11.903 min Scan# 1142

Delta R.T. -0.000 min

Lab File: BN033574.D

Acq: 23 Aug 2024 04:42

Instrument :

BNA\_N

ClientSampleId :

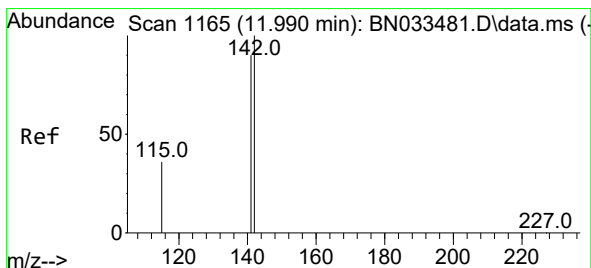
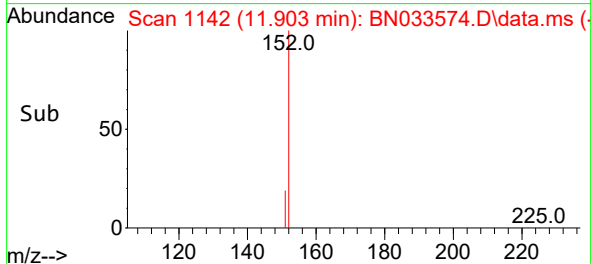
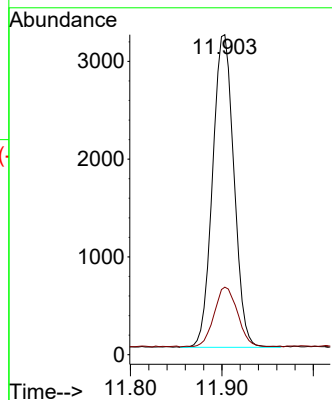
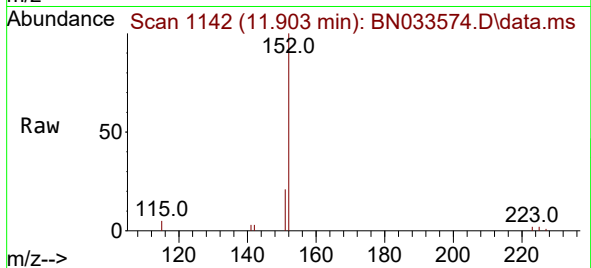
S-905-J-SO-0-0.5-081924-FD

Tgt Ion:152 Resp: 5182

Ion Ratio Lower Upper

152 100

151 21.0 16.6 25.0



#12

2-Methylnaphthalene

Concen: 0.035 ng

RT: 11.975 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BN033574.D

Acq: 23 Aug 2024 04:42

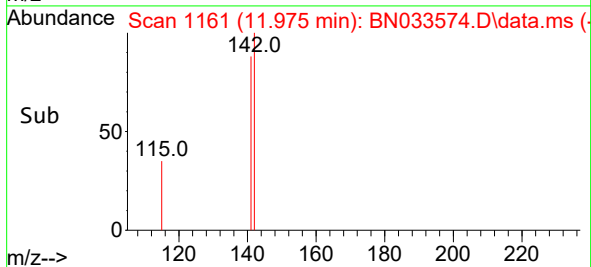
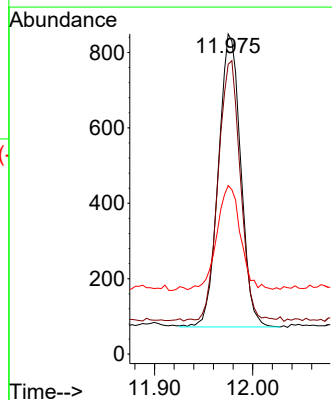
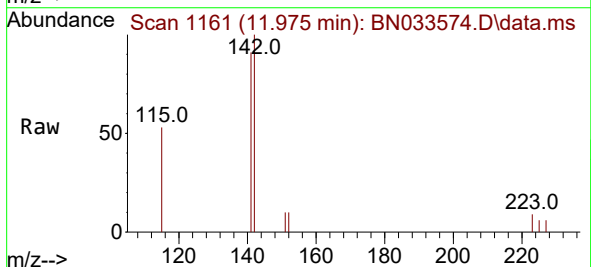
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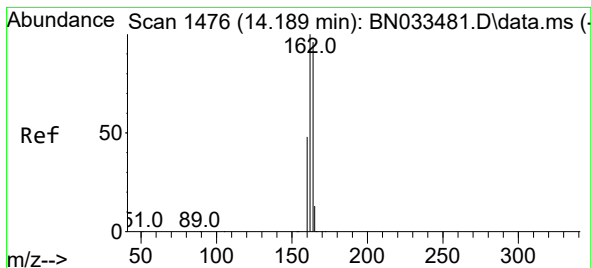
Ion Ratio Lower Upper

142 100

141 90.6 71.7 107.5

115 52.7 29.4 44.2#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.000 min

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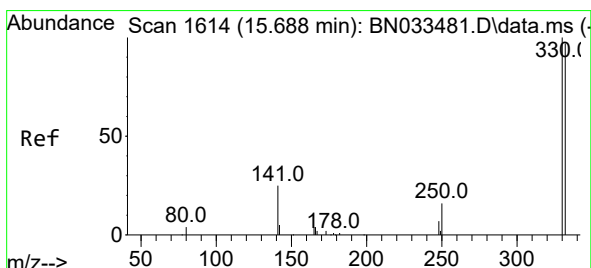
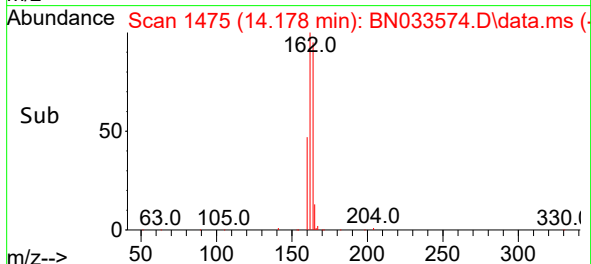
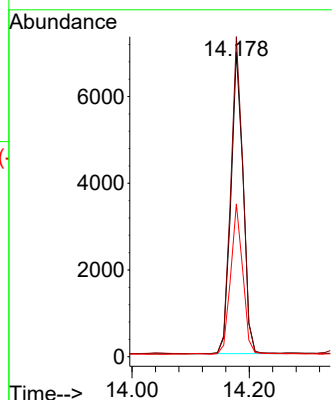
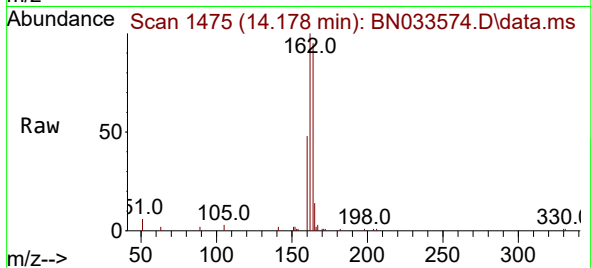
Tgt Ion:164 Resp: 10022

Ion Ratio Lower Upper

164 100

162 104.9 83.5 125.3

160 50.1 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.202 ng

RT: 15.676 min Scan# 1613

Delta R.T. -0.000 min

Lab File: BN033574.D

Acq: 23 Aug 2024 04:42

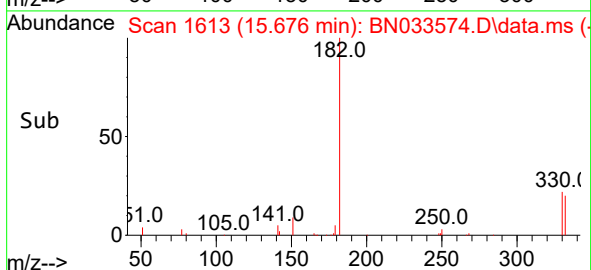
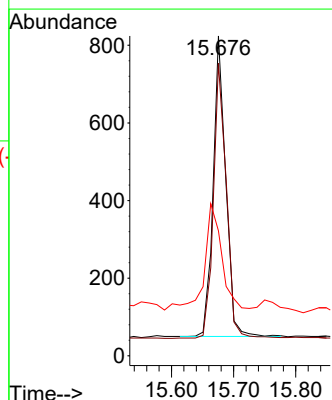
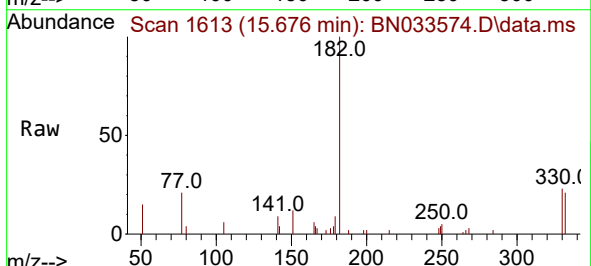
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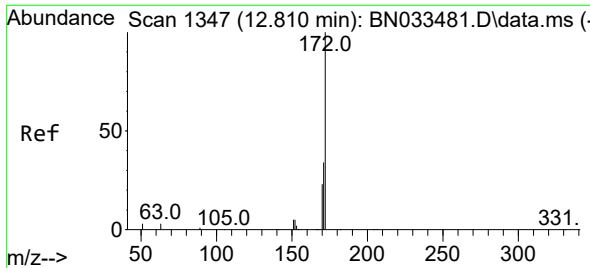
Ion Ratio Lower Upper

330 100

332 94.8 77.5 116.3

141 44.2 33.9 50.9

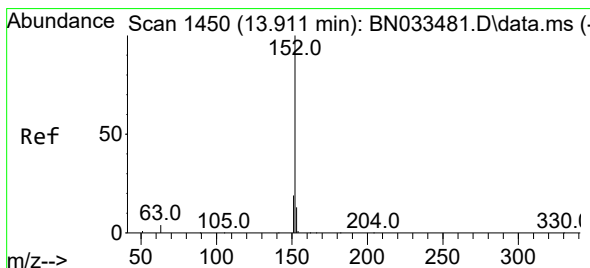
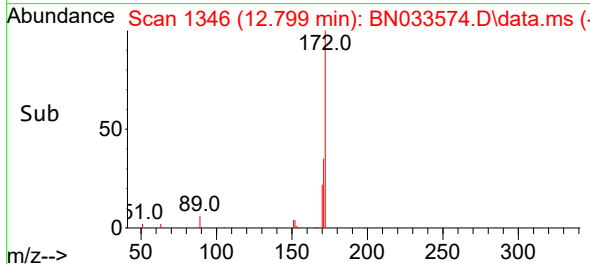
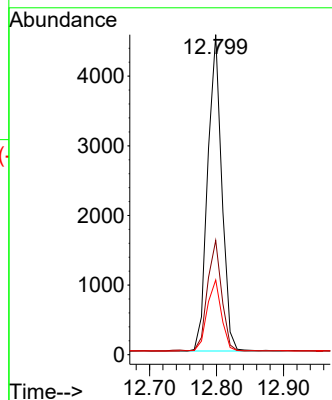
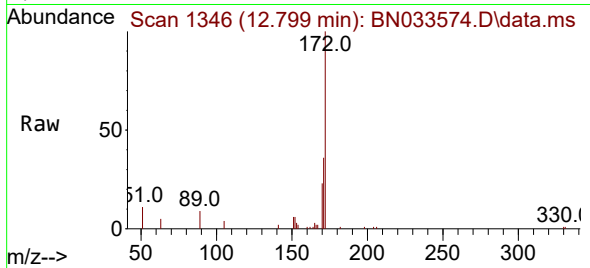




#15  
2-Fluorobiphenyl  
Concen: 0.162 ng  
RT: 12.799 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

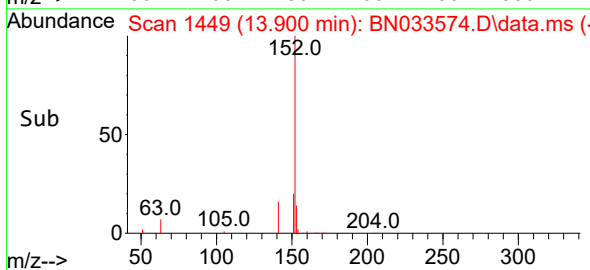
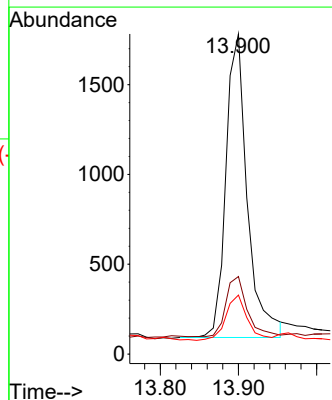
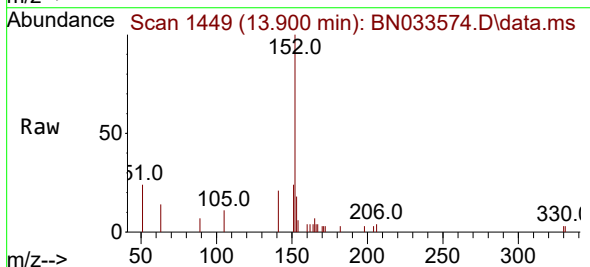
Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

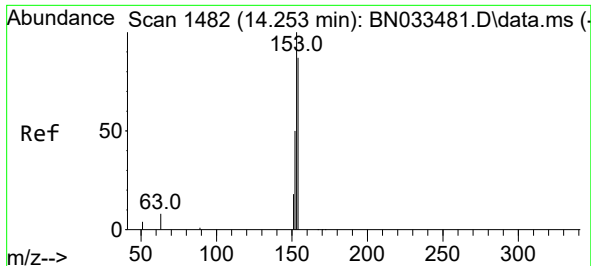
Tgt Ion:172 Resp: 6614  
Ion Ratio Lower Upper  
172 100  
171 35.7 27.7 41.5  
170 23.4 18.3 27.5



#16  
Acenaphthylene  
Concen: 0.073 ng  
RT: 13.900 min Scan# 1449  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion:152 Resp: 3215  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.7 23.5  
153 15.1 10.3 15.5

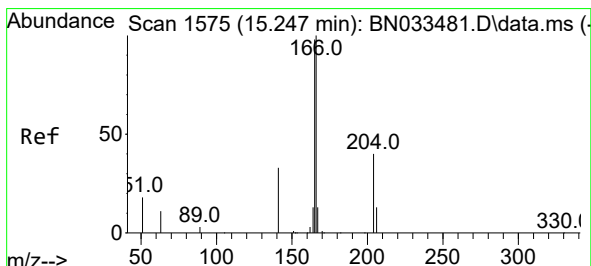
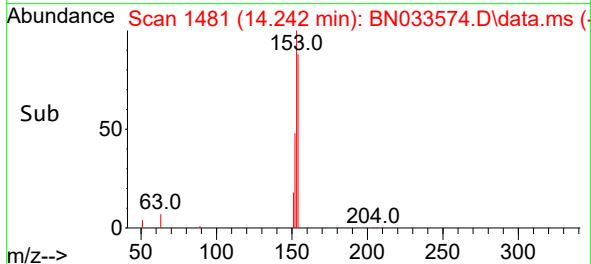
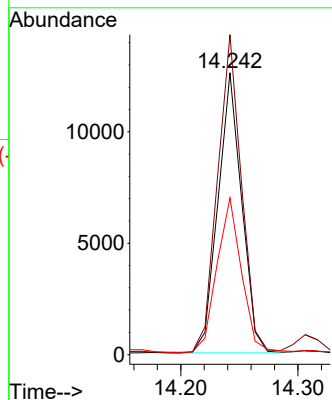
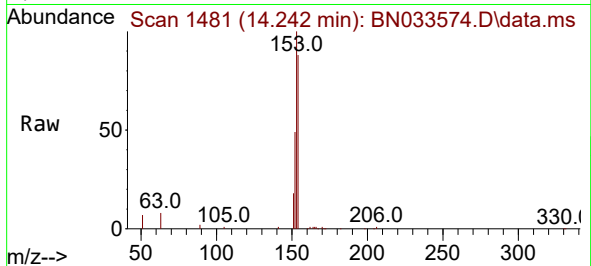




#17  
Acenaphthene  
Concen: 0.572 ng  
RT: 14.242 min Scan# 1482  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

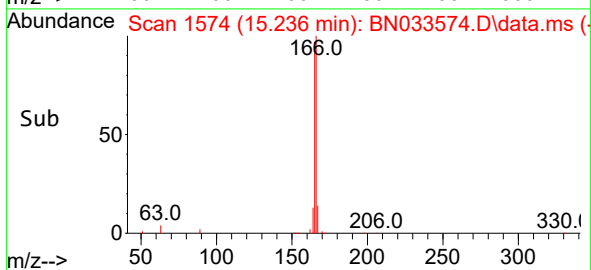
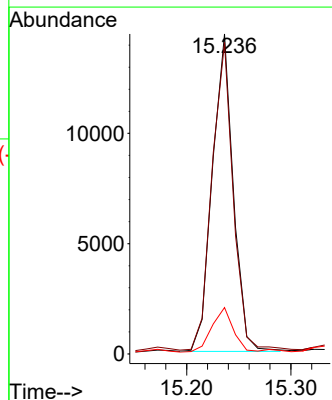
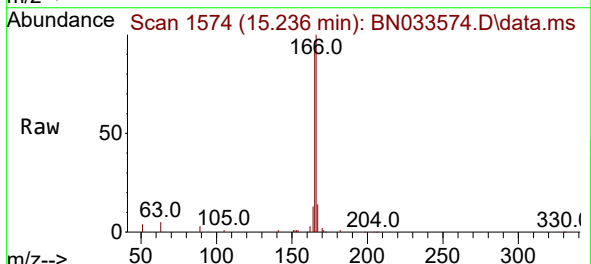
Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

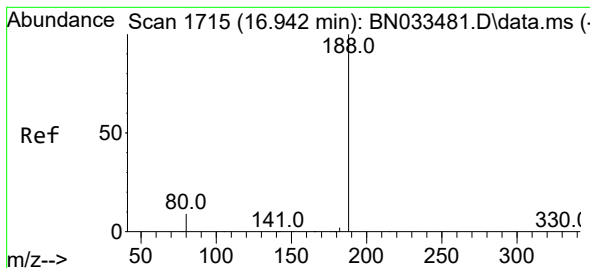
Tgt Ion:154 Resp: 17697  
Ion Ratio Lower Upper  
154 100  
153 114.6 89.0 133.6  
152 57.0 45.2 67.8



#18  
Fluorene  
Concen: 0.516 ng  
RT: 15.236 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion:166 Resp: 20096  
Ion Ratio Lower Upper  
166 100  
165 97.5 78.2 117.4  
167 14.4 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033574.D

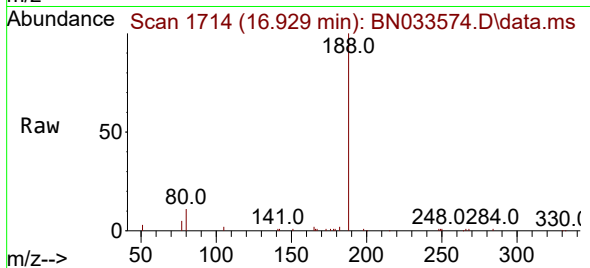
Acq: 23 Aug 2024 04:42

Instrument :

BNA\_N

ClientSampleId :

S-905-J-SO-0-0.5-081924-FD



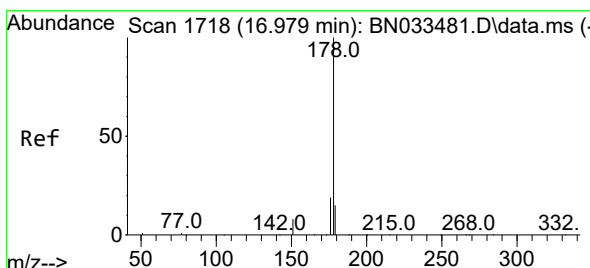
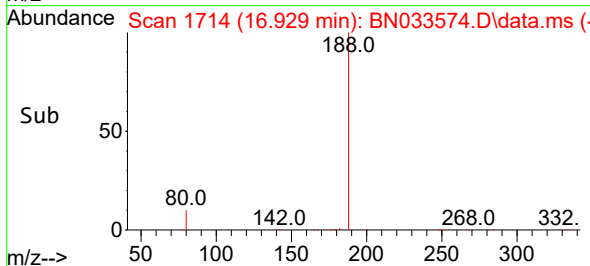
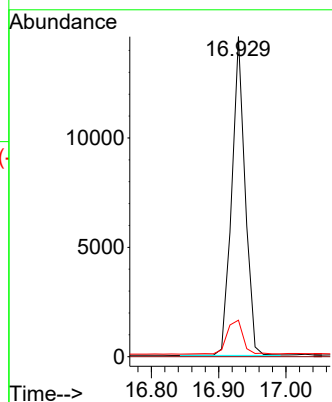
Tgt Ion:188 Resp: 20045

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 7.8 11.8



#25

Phenanthrene

Concen: 9.296 ng

RT: 16.966 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033574.D

Acq: 23 Aug 2024 04:42

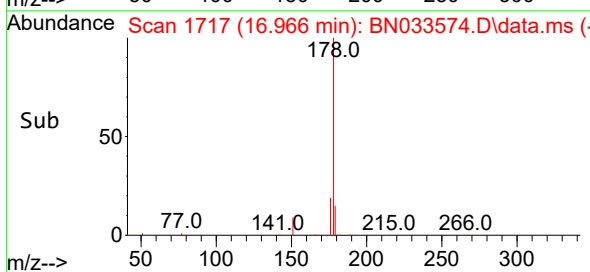
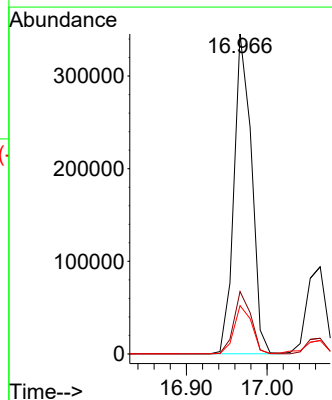
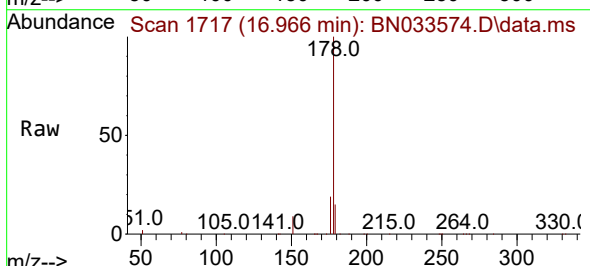
Tgt Ion:178 Resp: 518372

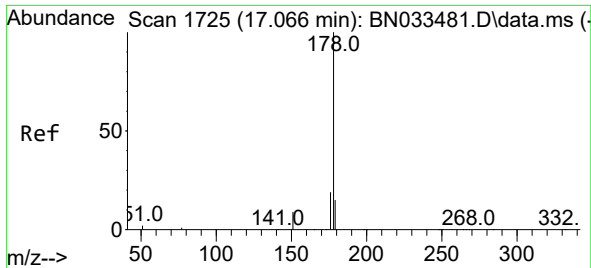
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.2 12.3 18.5

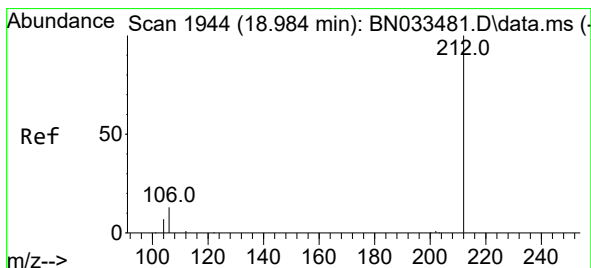
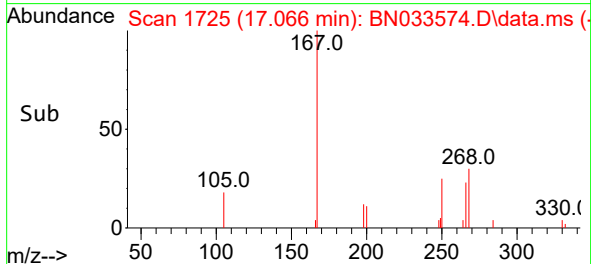
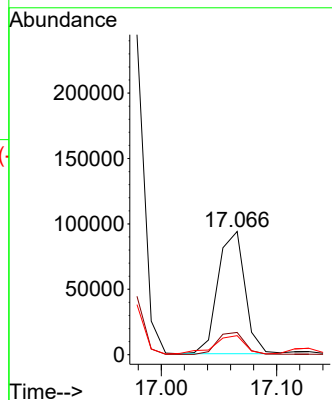
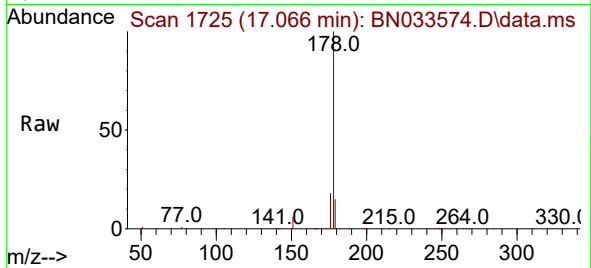




#26  
 Anthracene  
 Concen: 3.080 ng  
 RT: 17.066 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BN033574.D  
 Acq: 23 Aug 2024 04:42

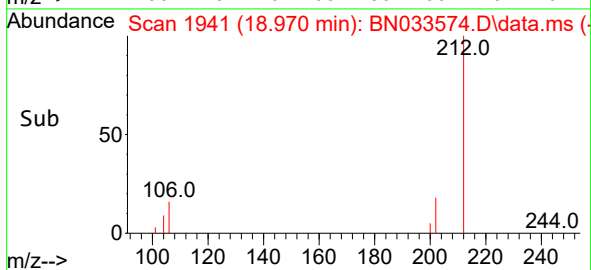
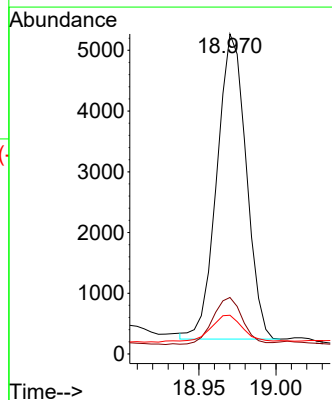
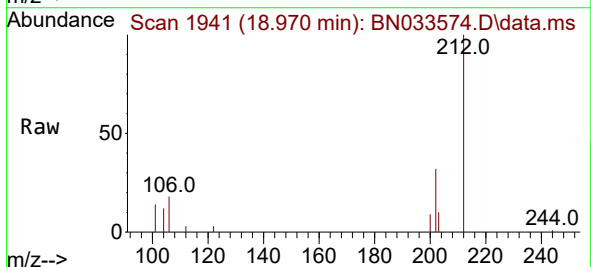
Instrument :  
 BNA\_N  
 ClientSampleId :  
 S-905-J-SO-0-0.5-081924-FD

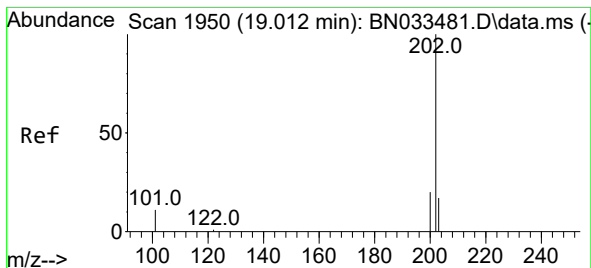
Tgt Ion:178 Resp: 151975  
 Ion Ratio Lower Upper  
 178 100  
 176 18.7 15.0 22.6  
 179 17.3 12.4 18.6



#27  
 Fluoranthene-d10  
 Concen: 0.138 ng  
 RT: 18.970 min Scan# 1941  
 Delta R.T. -0.000 min  
 Lab File: BN033574.D  
 Acq: 23 Aug 2024 04:42

Tgt Ion:212 Resp: 6634  
 Ion Ratio Lower Upper  
 212 100  
 106 15.8 12.3 18.5  
 104 10.1 7.0 10.4





#28

Fluoranthene

Concen: 29.226 ng

RT: 19.003 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN033574.D

Acq: 23 Aug 2024 04:42

Instrument :

BNA\_N

ClientSampleId :

S-905-J-SO-0-0.5-081924-FD

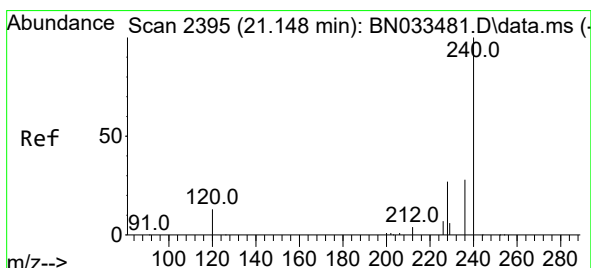
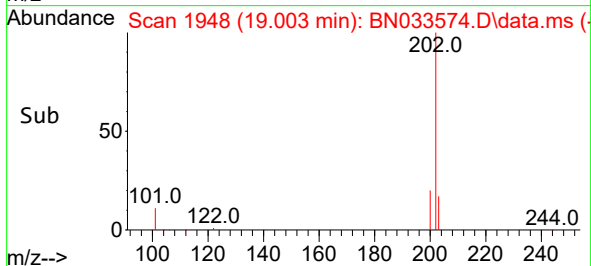
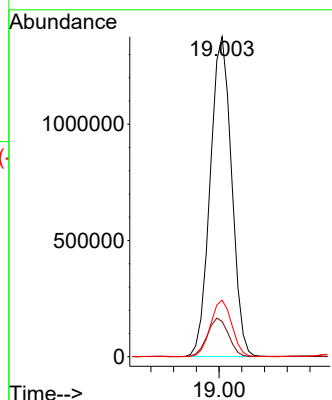
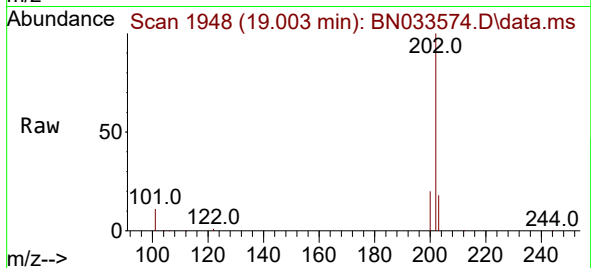
Tgt Ion:202 Resp: 1801050

Ion Ratio Lower Upper

202 100

101 11.9 9.5 14.3

203 17.5 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 2394

Delta R.T. -0.000 min

Lab File: BN033574.D

Acq: 23 Aug 2024 04:42

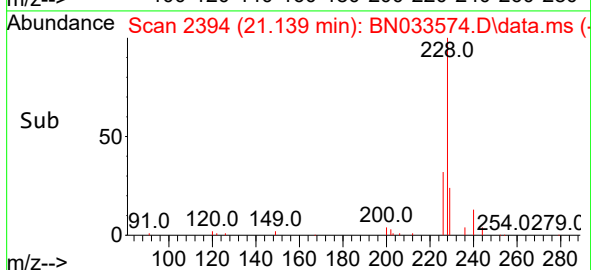
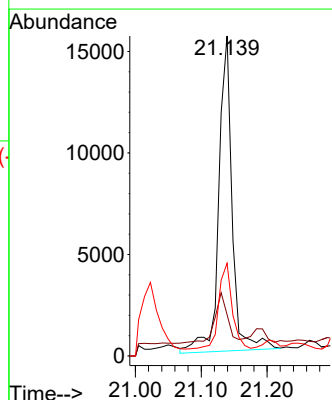
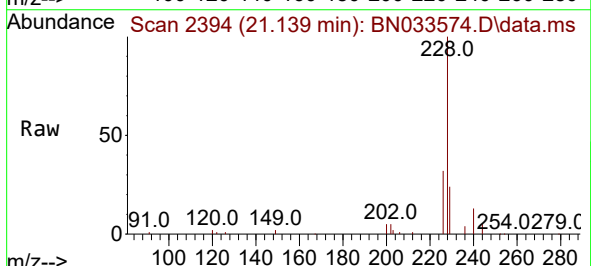
Tgt Ion:240 Resp: 22012

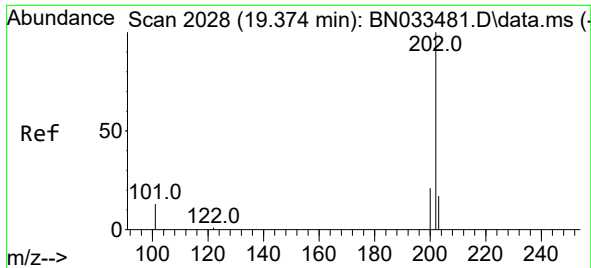
Ion Ratio Lower Upper

240 100

120 12.9 12.4 18.6

236 28.9 23.0 34.6

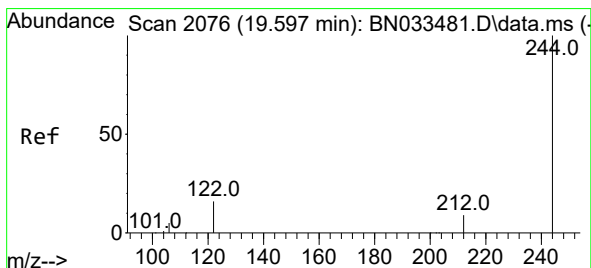
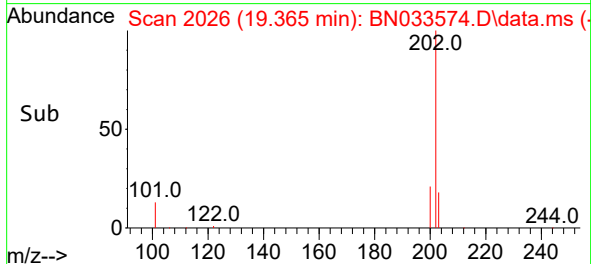
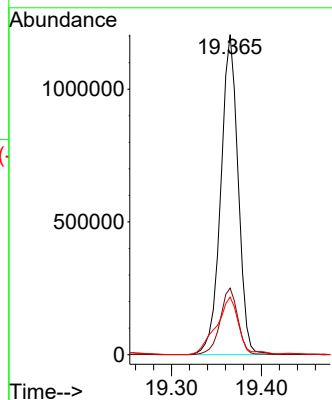
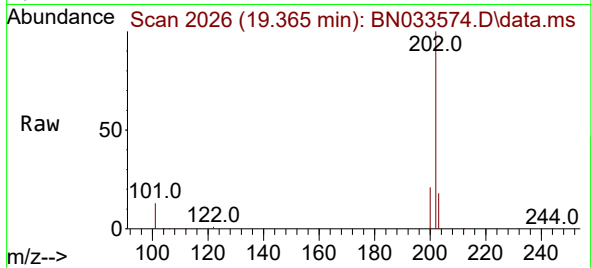




#30  
Pyrene  
Concen: 16.363 ng  
RT: 19.365 min Scan# 2028  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

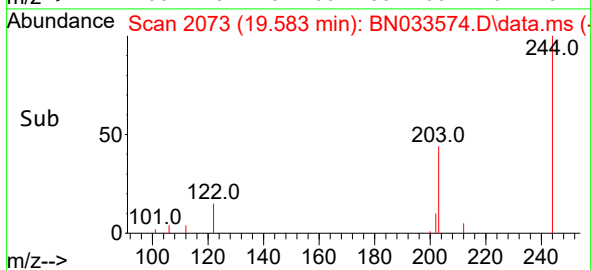
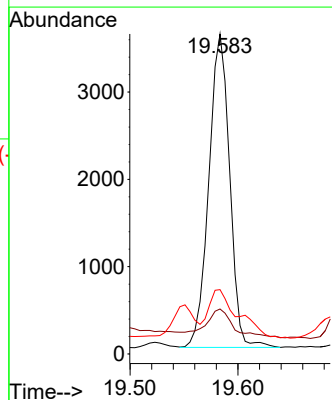
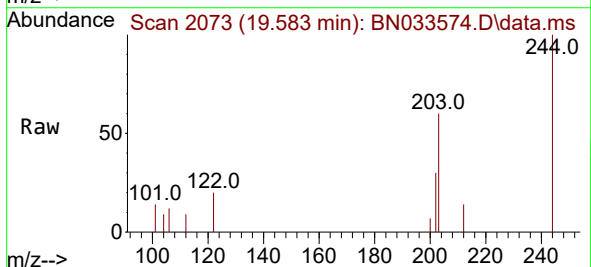
Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

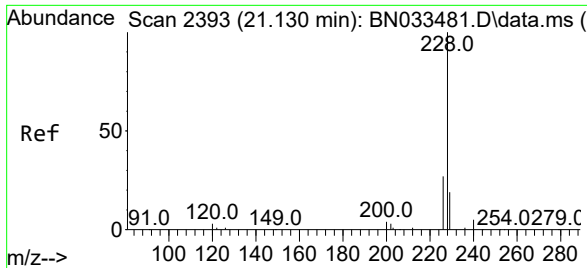
Tgt Ion:202 Resp: 1607538  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.6 24.8  
203 23.4 14.2 21.4#



#31  
Terphenyl-d14  
Concen: 0.096 ng  
RT: 19.583 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion:244 Resp: 4810  
Ion Ratio Lower Upper  
244 100  
212 14.1 7.8 11.6#  
122 20.1 13.3 19.9#

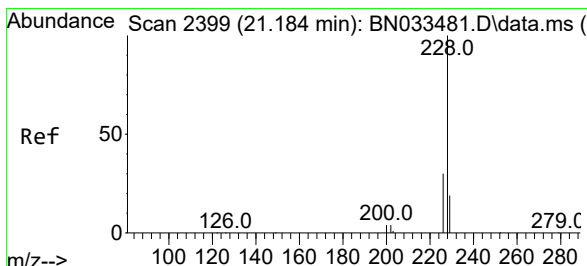
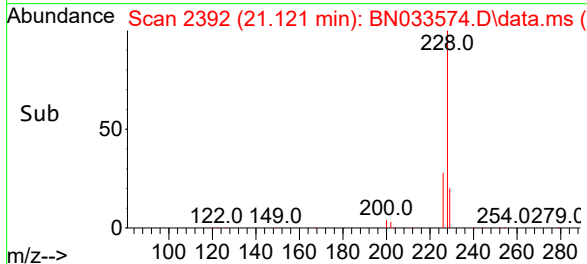
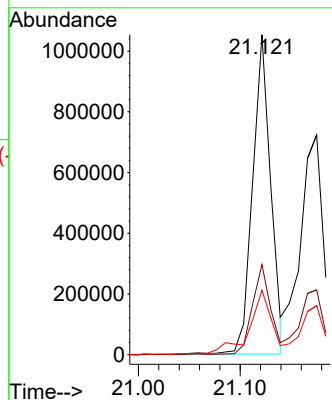
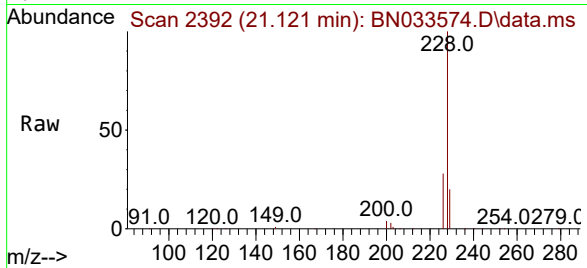




#32  
Benzo(a)anthracene  
Concen: 16.336 ng  
RT: 21.121 min Scan# 2111  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

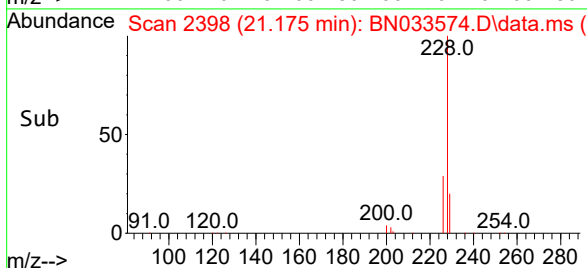
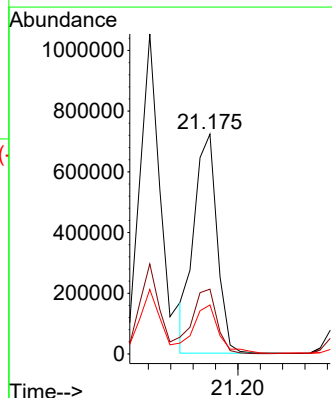
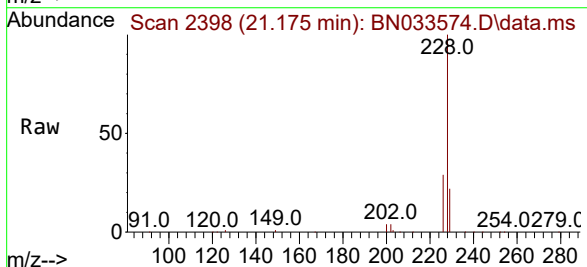
Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

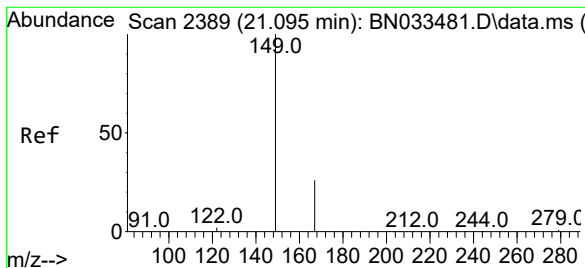
Tgt Ion:228 Resp: 1300011  
Ion Ratio Lower Upper  
228 100  
226 28.2 21.8 32.6  
229 20.2 15.8 23.6



#33  
Chrysene  
Concen: 13.081 ng  
RT: 21.175 min Scan# 2398  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion:228 Resp: 1034754  
Ion Ratio Lower Upper  
228 100  
226 29.5 23.8 35.8  
229 22.3 15.6 23.4

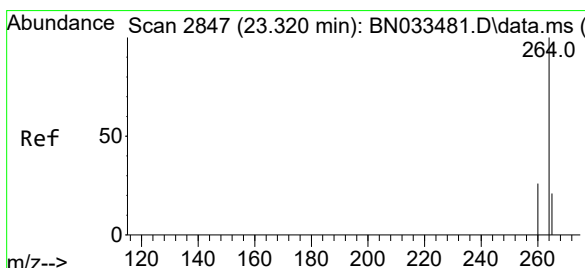
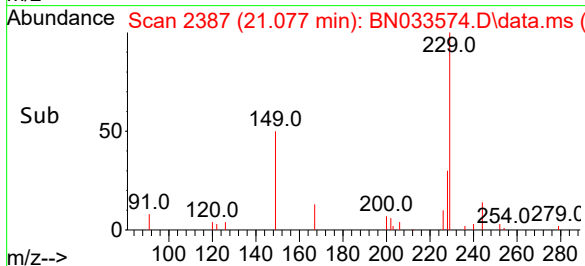
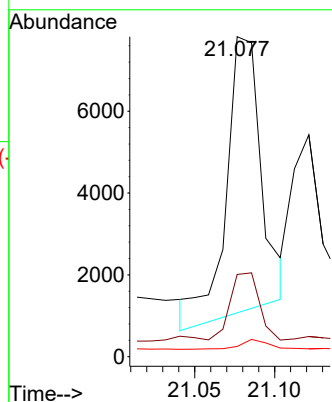
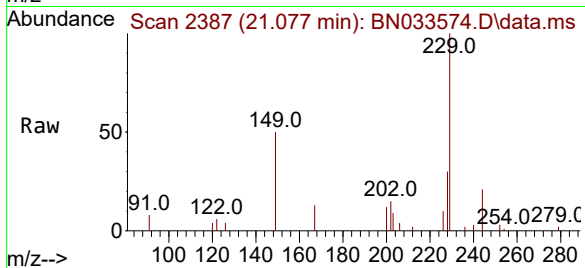




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.205 ng  
RT: 21.077 min Scan# 2109  
Delta R.T. -0.009 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

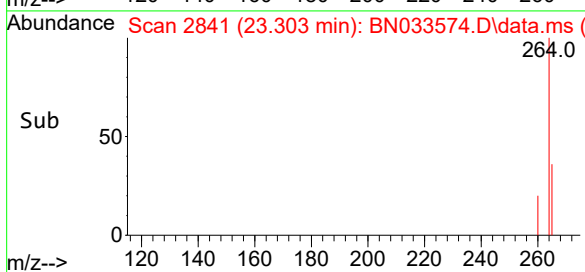
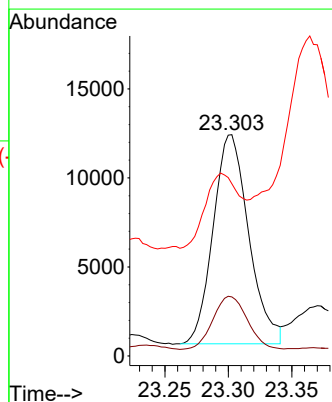
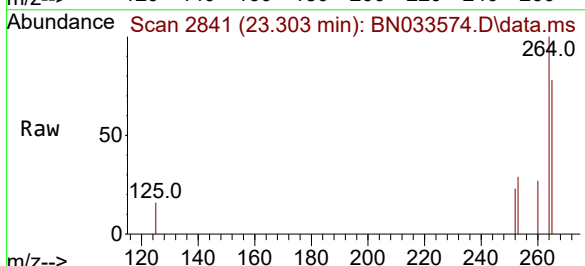
Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

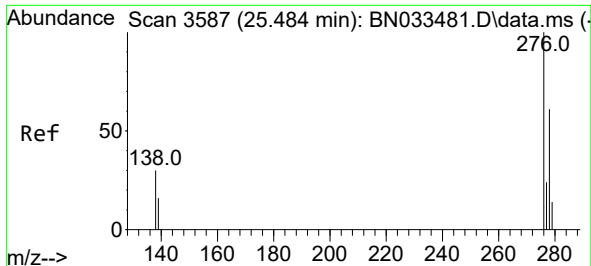
Tgt Ion:149 Resp: 10347  
Ion Ratio Lower Upper  
149 100  
167 46.2 21.5 32.3#  
279 4.2 2.2 3.2#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.303 min Scan# 2841  
Delta R.T. -0.000 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

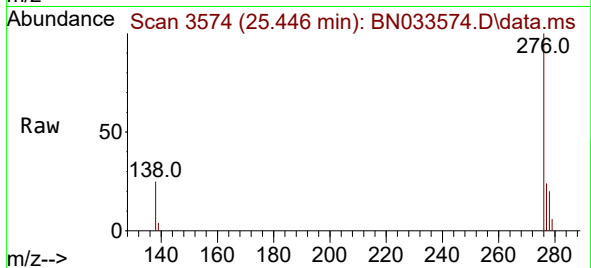
Tgt Ion:264 Resp: 22949  
Ion Ratio Lower Upper  
264 100  
260 26.7 20.8 31.2  
265 77.8 52.2 78.2



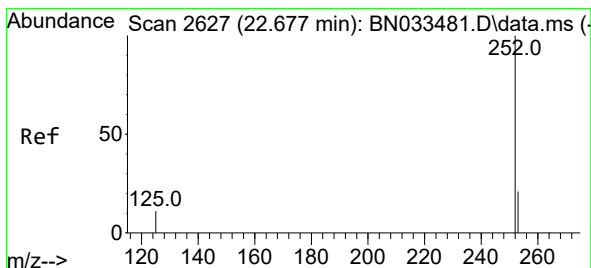
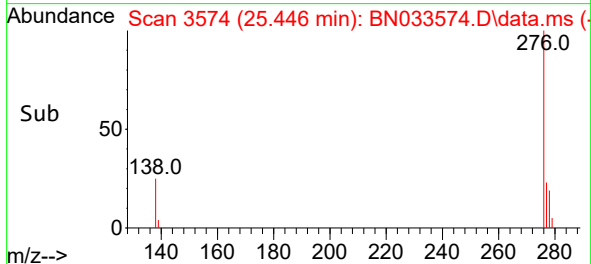
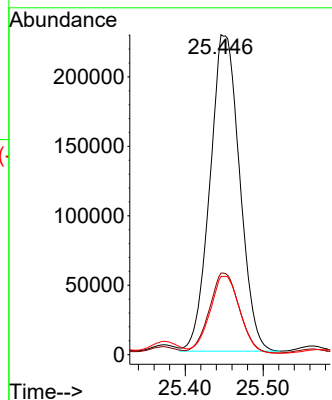


#36  
Indeno(1,2,3-cd)pyrene  
Concen: 6.323 ng  
RT: 25.446 min Scan# 3574  
Delta R.T. -0.003 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

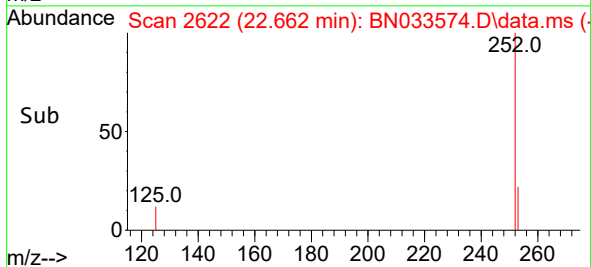
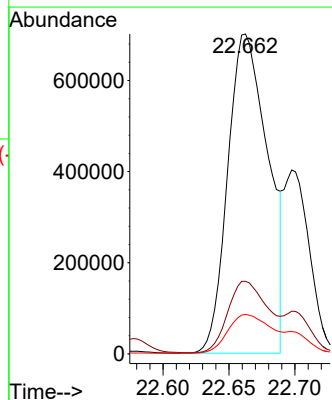
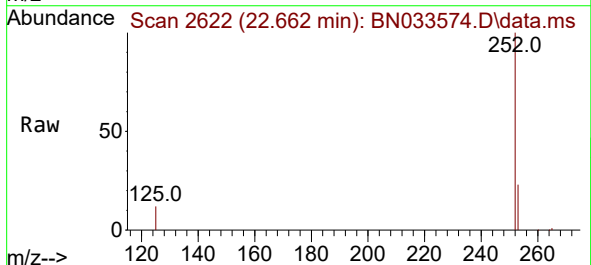


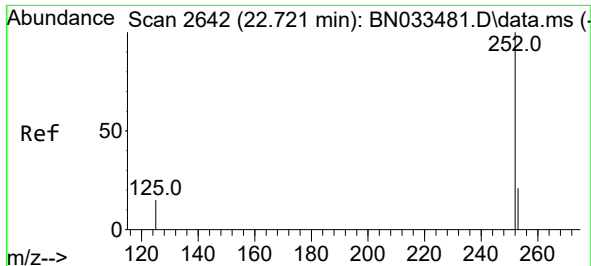
Tgt Ion:276 Resp: 602379  
Ion Ratio Lower Upper  
276 100  
138 25.6 24.4 36.6  
277 24.5 19.8 29.6



#37  
Benzo(b)fluoranthene  
Concen: 17.336 ng  
RT: 22.662 min Scan# 2622  
Delta R.T. 0.003 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

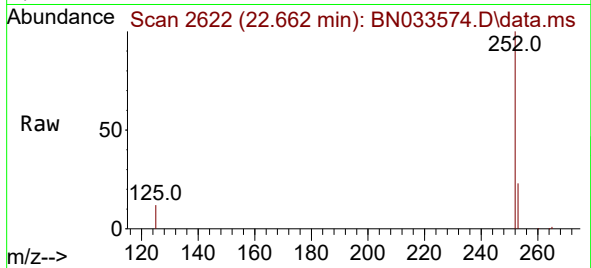
Tgt Ion:252 Resp: 1485702  
Ion Ratio Lower Upper  
252 100  
253 22.7 19.8 29.8  
125 12.4 13.9 20.9#



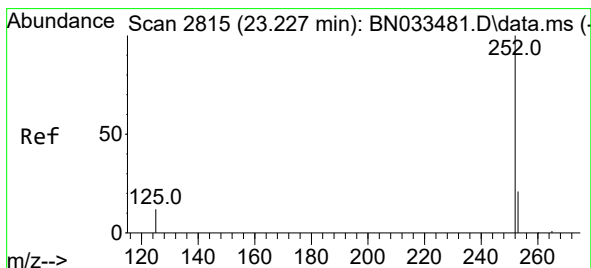
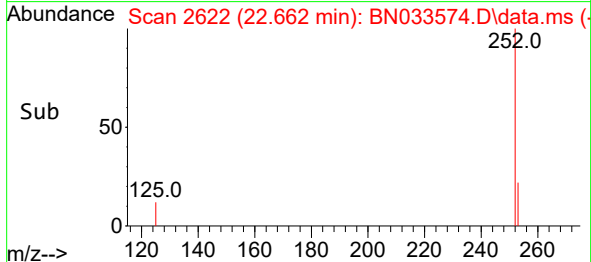
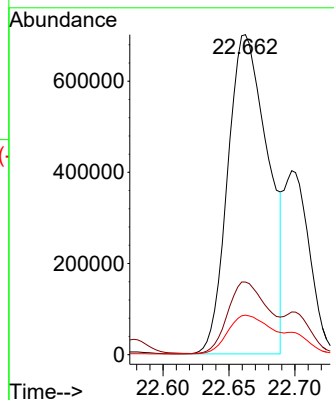


#38  
Benzo(k)fluoranthene  
Concen: 17.613 ng  
RT: 22.662 min Scan# 2  
Delta R.T. -0.041 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD

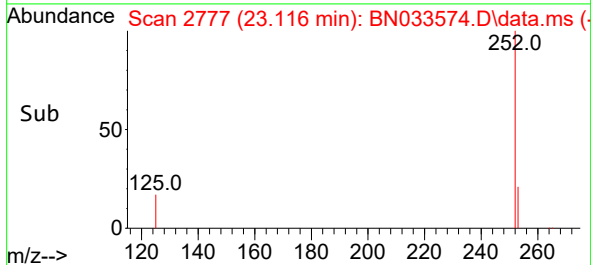
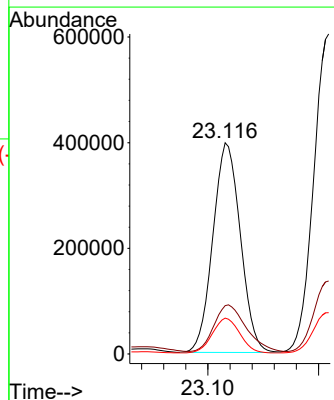
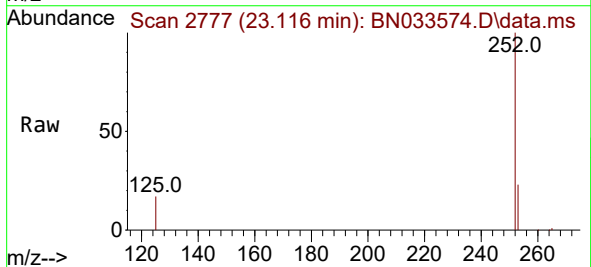


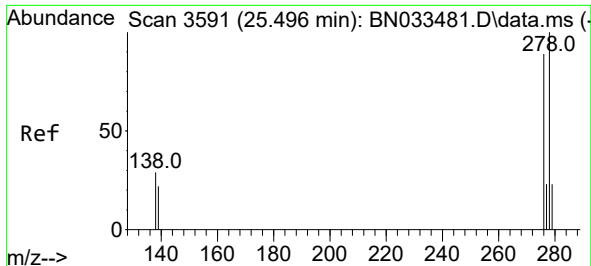
Tgt Ion:252 Resp: 1485702  
Ion Ratio Lower Upper  
252 100  
253 22.7 19.8 29.8  
125 12.4 15.8 23.8#



#39  
Benzo(a)pyrene  
Concen: 9.646 ng  
RT: 23.116 min Scan# 2777  
Delta R.T. -0.094 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

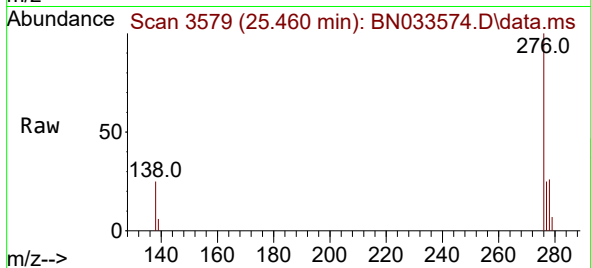
Tgt Ion:252 Resp: 683984  
Ion Ratio Lower Upper  
252 100  
253 22.9 21.5 32.3  
125 17.0 17.0 25.4



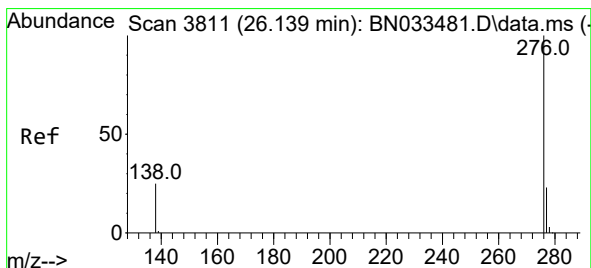
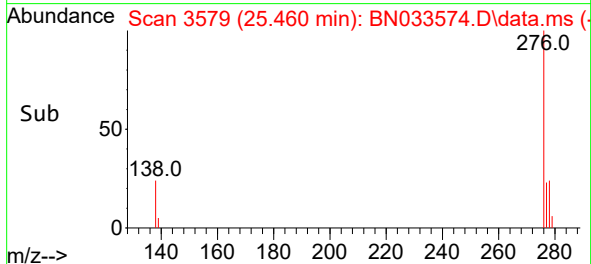
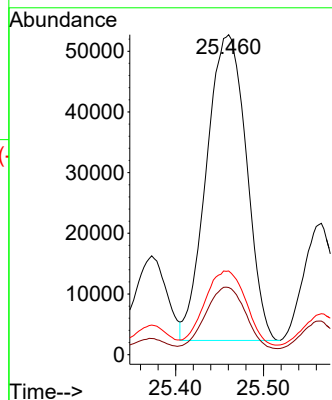


#40  
Dibenzo(a,h)anthracene  
Concen: 2.081 ng  
RT: 25.460 min Scan# 31  
Delta R.T. -0.009 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Instrument :  
BNA\_N  
ClientSampleId :  
S-905-J-SO-0-0.5-081924-FD



Tgt Ion:278 Resp: 158541  
Ion Ratio Lower Upper  
278 100  
139 21.0 19.1 28.7  
279 26.1 21.0 31.4



#41  
Benzo(g,h,i)perylene  
Concen: 6.668 ng  
RT: 26.109 min Scan# 3801  
Delta R.T. 0.006 min  
Lab File: BN033574.D  
Acq: 23 Aug 2024 04:42

Tgt Ion:276 Resp: 543217  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.7 29.5  
138 25.6 21.8 32.6

