

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN022424\  
 Data File : BN030009.D  
 Acq On : 25 Feb 2024 01:08  
 Operator : MA/JU  
 Sample : P1532-04  
 Misc :  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D3-20240216

Quant Time: Feb 26 02:46:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 26 02:39:45 2024  
 Response via : Initial Calibration

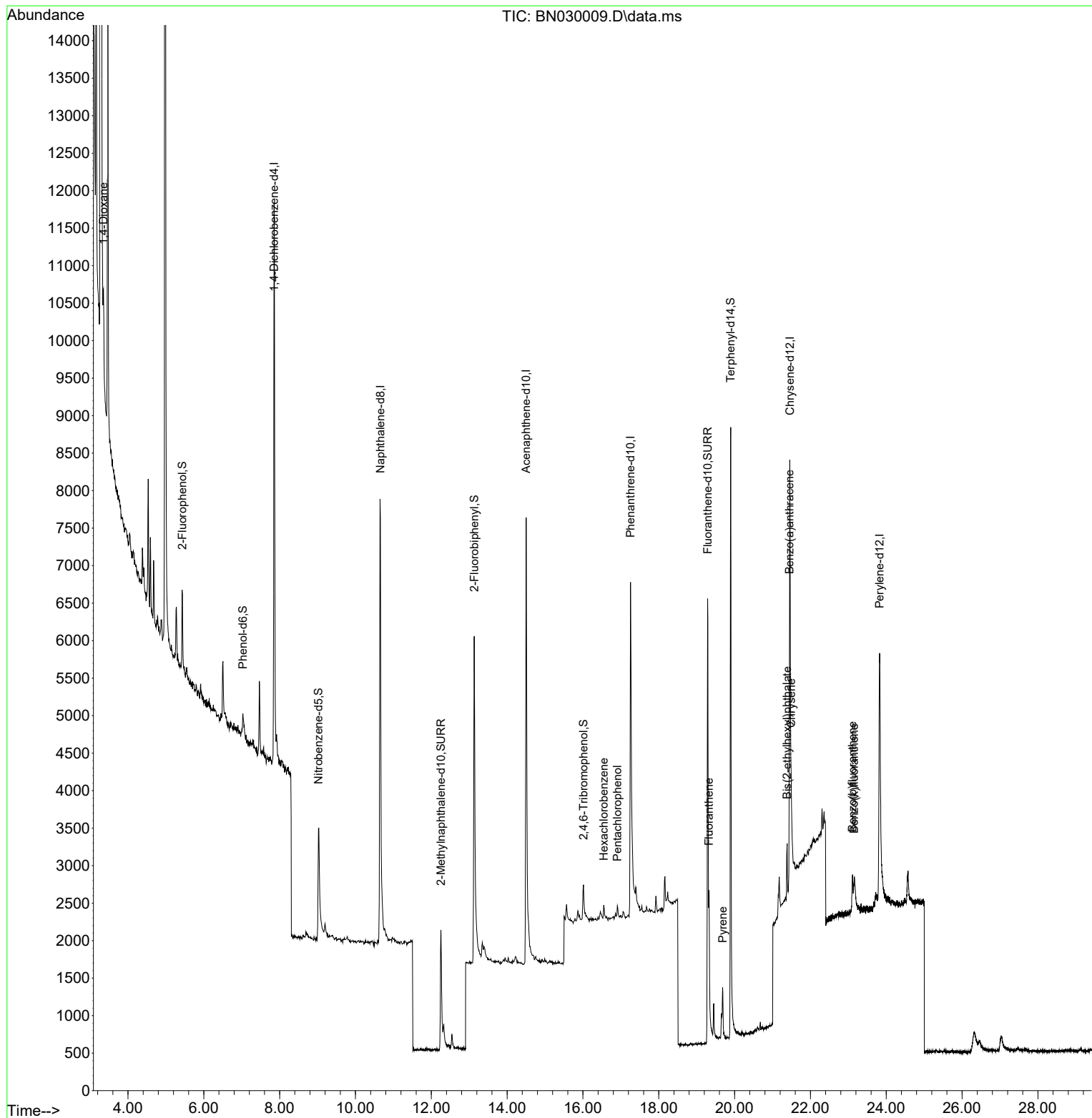
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 4163     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.658 | 136  | 10453    | 0.400 | ng    | 0.01     |
| 13) Acenaphthene-d10          | 14.500 | 164  | 4804     | 0.400 | ng    | 0.01     |
| 19) Phenanthrene-d10          | 17.255 | 188  | 9900     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.456 | 240  | 7545     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.823 | 264  | 7194     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.435  | 112  | 885      | 0.088 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.031  | 99   | 512      | 0.044 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.025  | 82   | 2291     | 0.263 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.253 | 152  | 3397     | 0.239 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.014 | 330  | 413      | 0.268 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 13.132 | 172  | 5748     | 0.279 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.289 | 212  | 8719     | 0.364 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.898 | 244  | 9747     | 0.520 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.355  | 88   | 708      | 0.121 | ng    | # 42     |
| 22) Hexachlorobenzene         | 16.548 | 284  | 172      | 0.024 | ng    | 94       |
| 24) Pentachlorophenol         | 16.908 | 266  | 121      | 0.053 | ng    | # 87     |
| 28) Fluoranthene              | 19.322 | 202  | 732      | 0.022 | ng    | # 4      |
| 30) Pyrene                    | 19.684 | 202  | 714      | 0.021 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.447 | 228  | 648      | 0.025 | ng    | # 81     |
| 33) Chrysene                  | 21.492 | 228  | 792      | 0.027 | ng    | # 84     |
| 34) Bis(2-ethylhexyl)phtha... | 21.384 | 149  | 865      | 0.049 | ng    | # 96     |
| 37) Benzo(b)fluoranthene      | 23.107 | 252  | 834      | 0.032 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 23.154 | 252  | 774      | 0.029 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN022424\  
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Acq On : 25 Feb 2024 01:08  
Operator : MA/JU  
Sample : P1532-04  
Misc :  
ALS Vial : 58 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D3-20240216

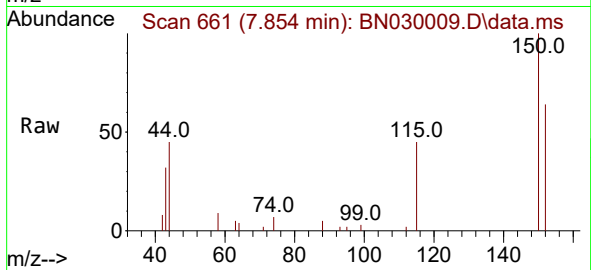
Quant Time: Feb 26 02:46:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 26 02:39:45 2024  
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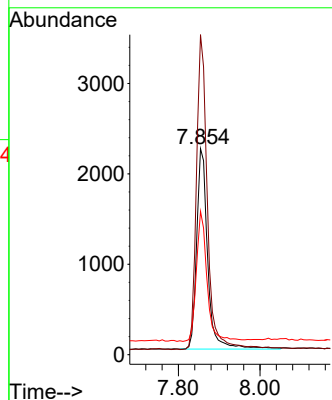
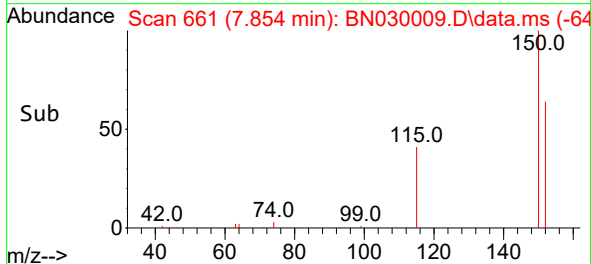


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.854 min Scan# 668  
 Delta R.T. 0.000 min  
 Lab File: BN030009.D  
 Acq: 25 Feb 2024 01:08

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D3-20240216

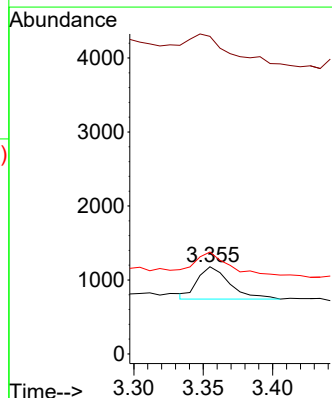
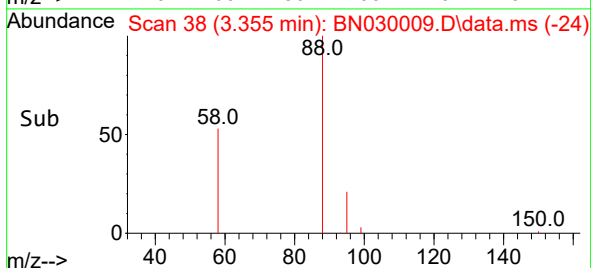
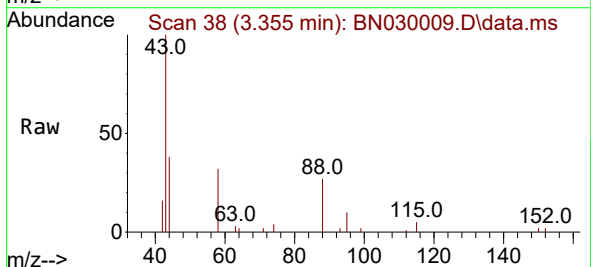


Tgt Ion:152 Resp: 4163  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 123.0 184.4  
 115 69.6 51.4 77.0



#2  
 1,4-Dioxane  
 Concen: 0.121 ng  
 RT: 3.355 min Scan# 38  
 Delta R.T. -0.000 min  
 Lab File: BN030009.D  
 Acq: 25 Feb 2024 01:08

Tgt Ion: 88 Resp: 708  
 Ion Ratio Lower Upper  
 88 100  
 43 119.6 23.3 34.9#  
 58 74.6 53.8 80.6

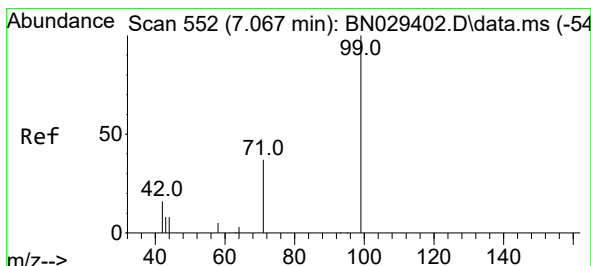
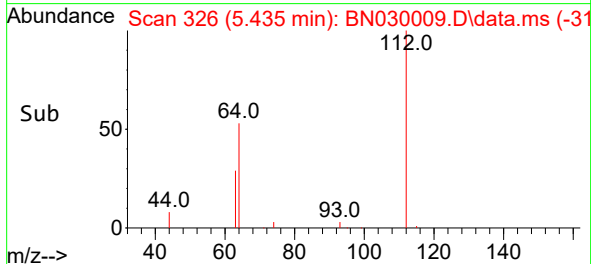
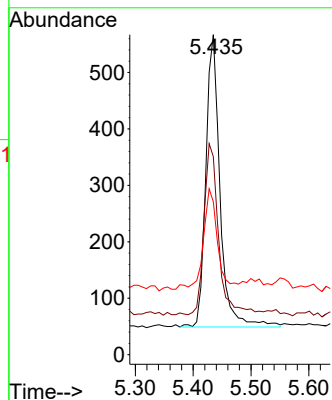
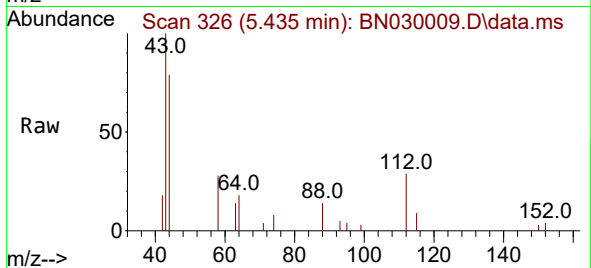




#4  
2-Fluorophenol  
Concen: 0.088 ng  
RT: 5.435 min Scan# 311  
Delta R.T. 0.007 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

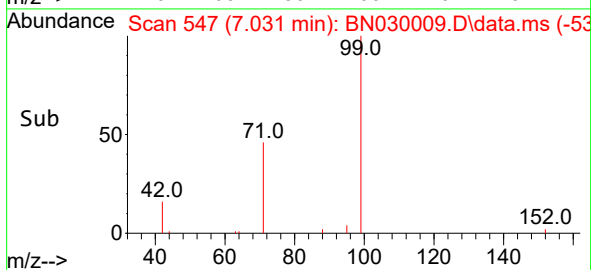
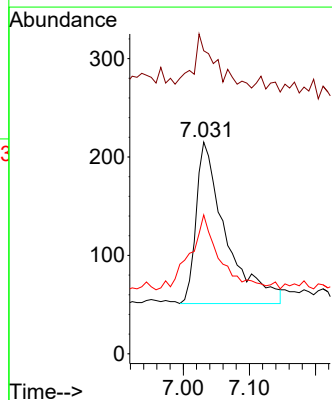
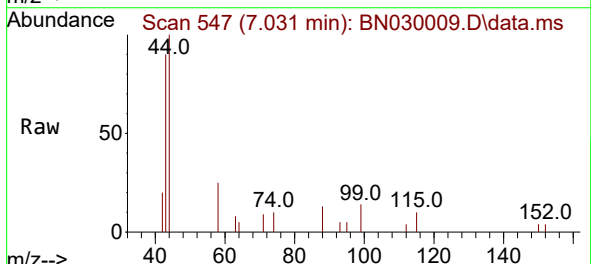
Instrument :  
BNA\_N  
ClientSampleId :  
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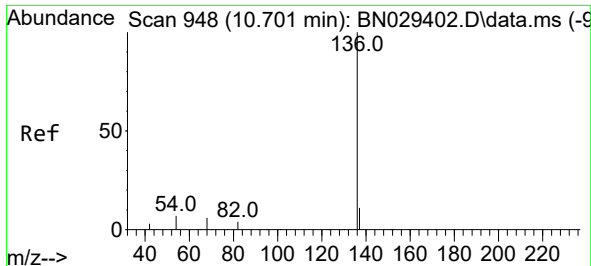
Tgt Ion:112 Resp: 885  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.2 70.8  
63 34.6 25.8 38.6



#5  
Phenol-d6  
Concen: 0.044 ng  
RT: 7.031 min Scan# 547  
Delta R.T. 0.007 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Tgt Ion: 99 Resp: 512  
Ion Ratio Lower Upper  
99 100  
42 26.0 16.9 25.3#  
71 46.5 30.0 45.0#

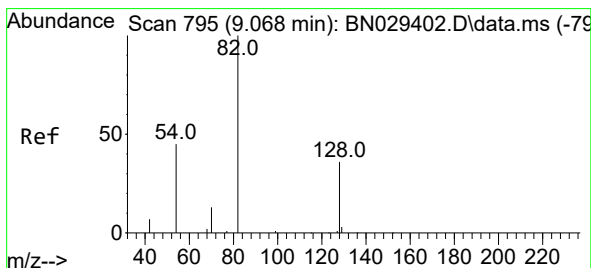
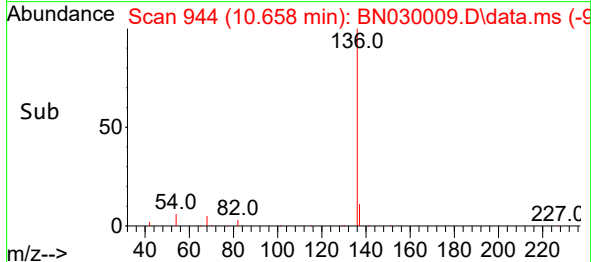
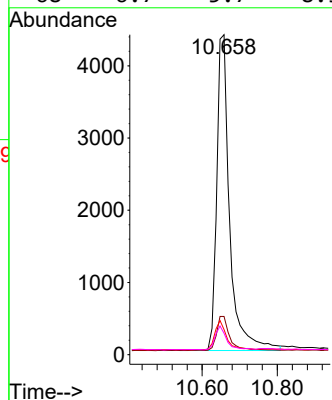
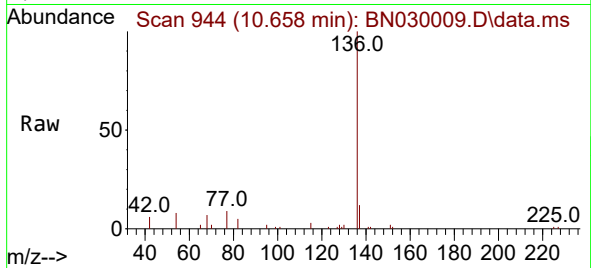




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.658 min Scan# 948  
Delta R.T. 0.011 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

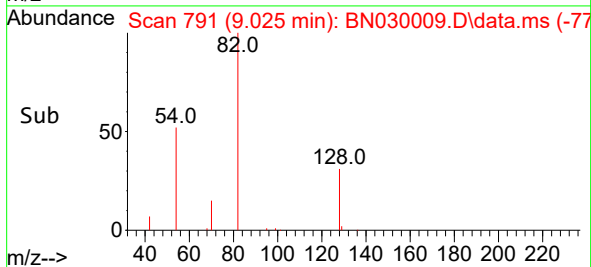
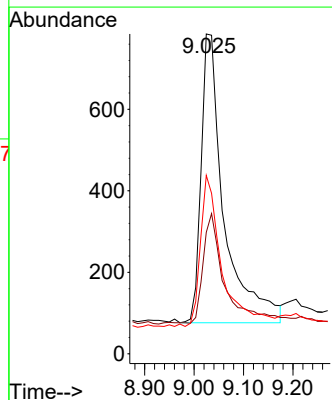
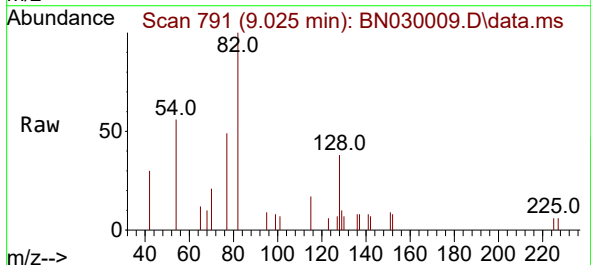
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D3-20240216

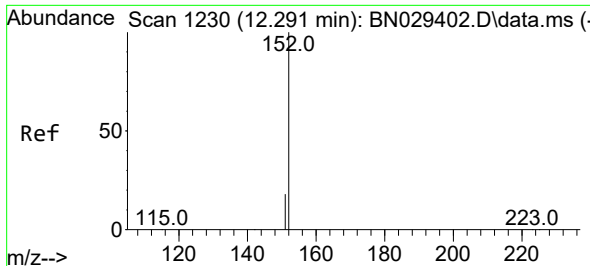
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 10453 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 12.0  | 9.7   | 14.5  |
| 54        | 7.9   | 6.6   | 10.0  |
| 68        | 6.7   | 5.7   | 8.5   |



#8  
Nitrobenzene-d5  
Concen: 0.263 ng  
RT: 9.025 min Scan# 791  
Delta R.T. 0.011 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 2291 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 38.0  | 31.6  | 47.4 |
| 54        | 55.8  | 38.2  | 57.4 |

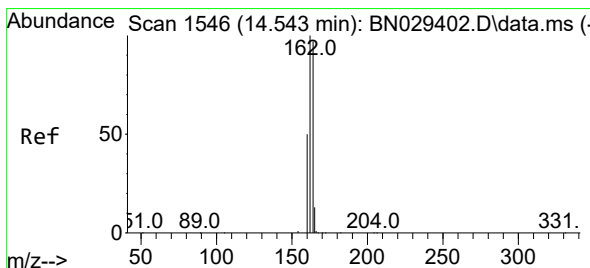
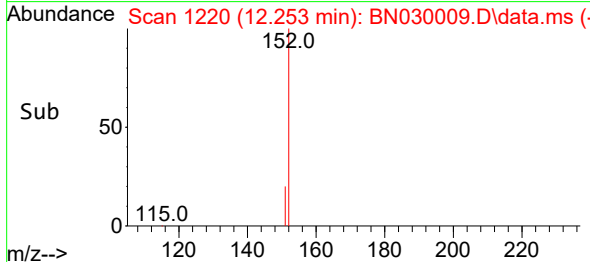
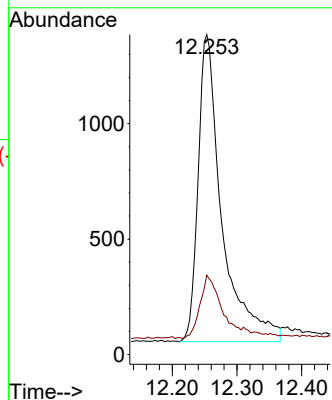
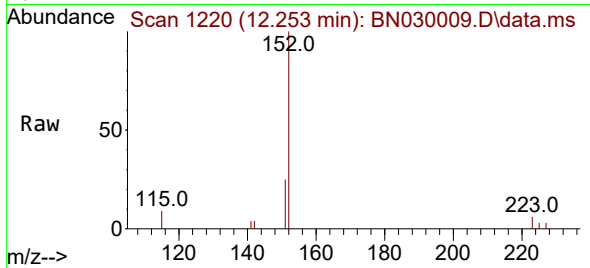




#11  
2-Methylnaphthalene-d10  
Concen: 0.239 ng  
RT: 12.253 min Scan# 11  
Delta R.T. 0.008 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

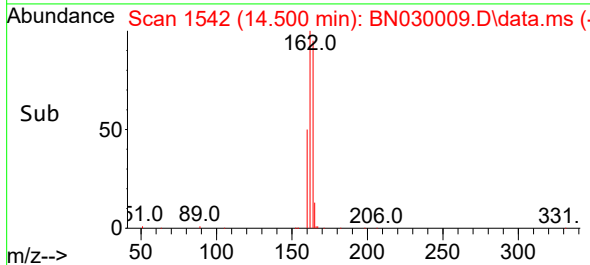
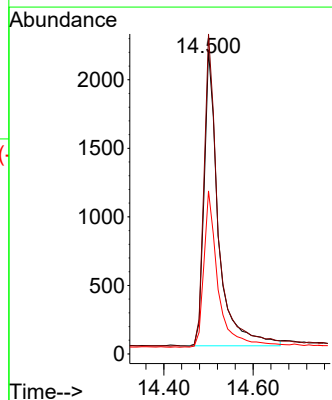
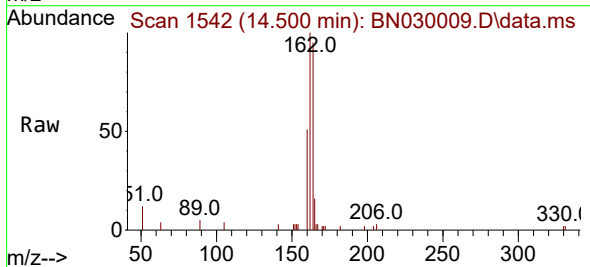
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D3-20240216

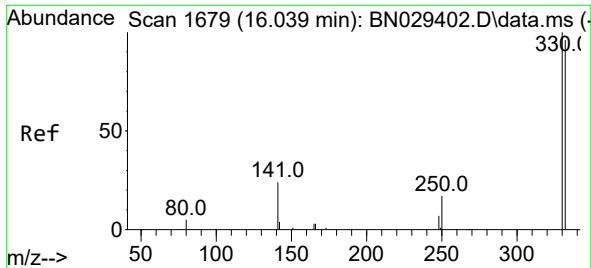
Tgt Ion:152 Resp: 3397  
Ion Ratio Lower Upper  
152 100  
151 18.4 17.1 25.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.500 min Scan# 1542  
Delta R.T. 0.011 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Tgt Ion:164 Resp: 4804  
Ion Ratio Lower Upper  
164 100  
162 105.5 82.6 123.8  
160 53.7 41.5 62.3

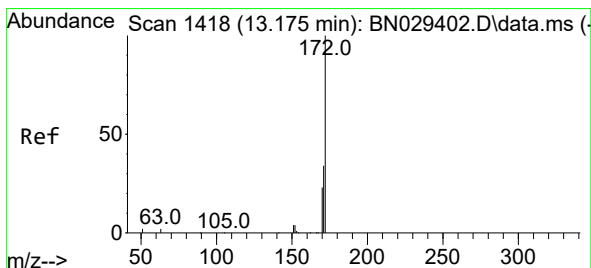
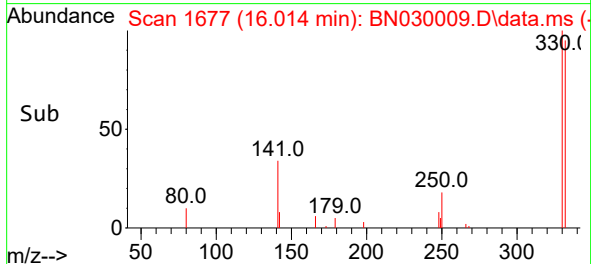
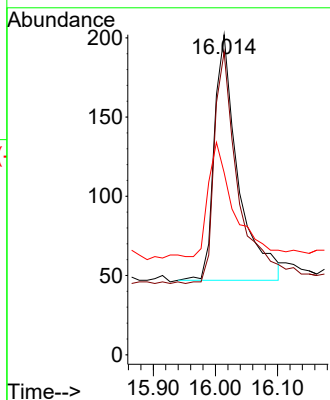
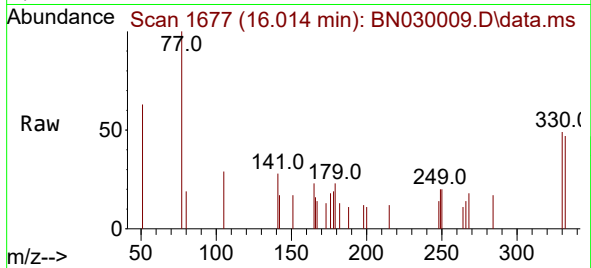




#14  
2,4,6-Tribromophenol  
Concen: 0.268 ng  
RT: 16.014 min Scan# 1  
Delta R.T. 0.012 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

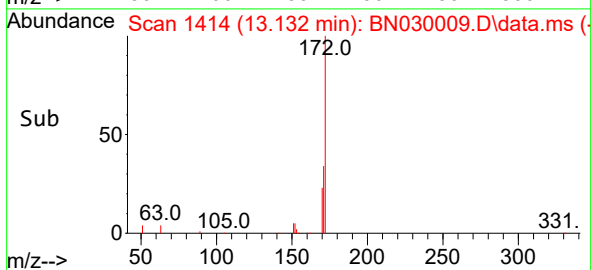
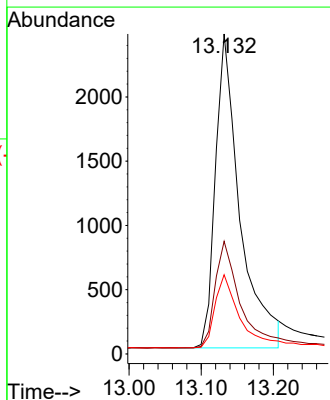
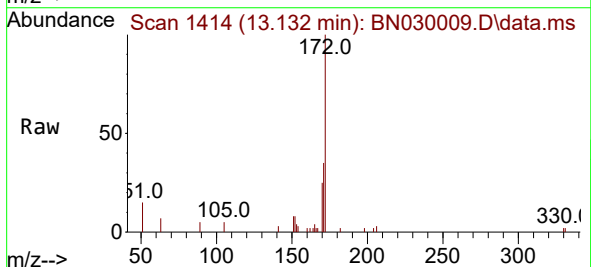
Instrument :  
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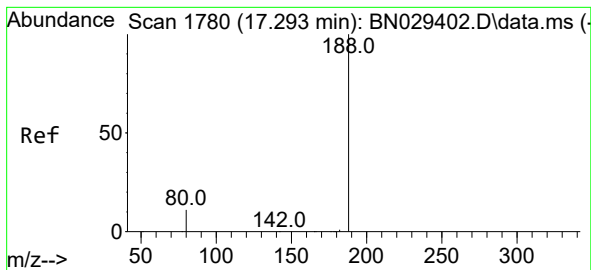
Tgt Ion:330 Resp: 413  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.0 114.0  
141 49.9 43.4 65.2



#15  
2-Fluorobiphenyl  
Concen: 0.279 ng  
RT: 13.132 min Scan# 1414  
Delta R.T. 0.011 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Tgt Ion:172 Resp: 5748  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.0 42.0  
170 24.7 18.7 28.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.255 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN030009.D

Acq: 25 Feb 2024 01:08

Instrument :

BNA\_N

ClientSampleId :

RE103D3-20240216

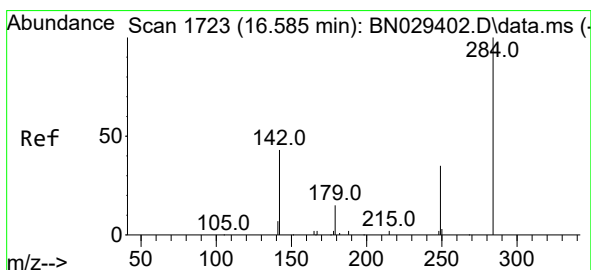
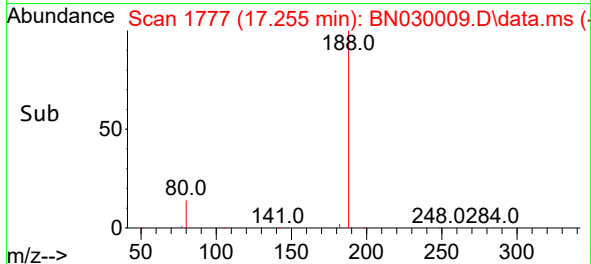
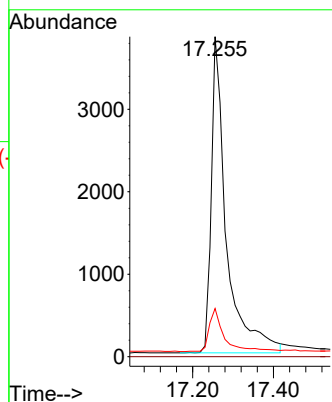
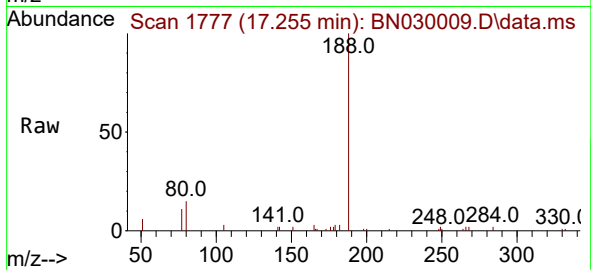
Tgt Ion:188 Resp: 9900

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.1 10.0 15.0#



#22

Hexachlorobenzene

Concen: 0.024 ng

RT: 16.548 min Scan# 1720

Delta R.T. -0.000 min

Lab File: BN030009.D

Acq: 25 Feb 2024 01:08

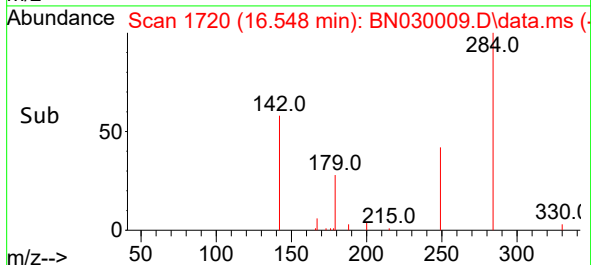
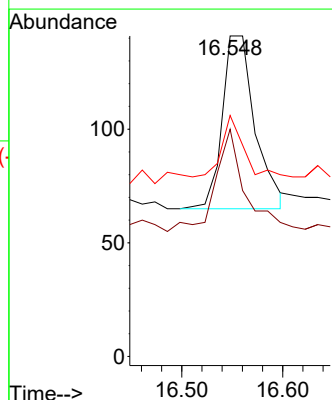
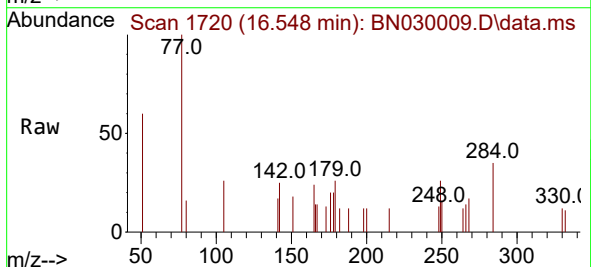
Tgt Ion:284 Resp: 172

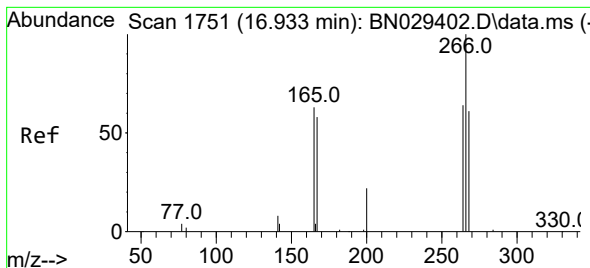
Ion Ratio Lower Upper

284 100

142 52.9 39.4 59.2

249 37.2 26.9 40.3





#24

Pentachlorophenol

Concen: 0.053 ng

RT: 16.908 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN030009.D

Acq: 25 Feb 2024 01:08

Instrument :

BNA\_N

ClientSampleId :

RE103D3-20240216

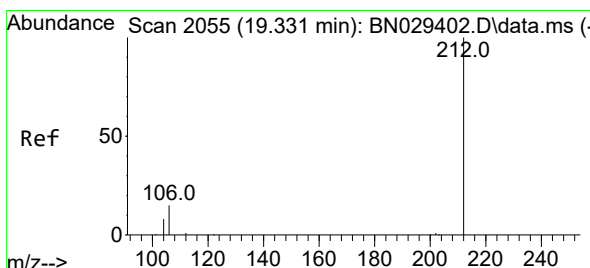
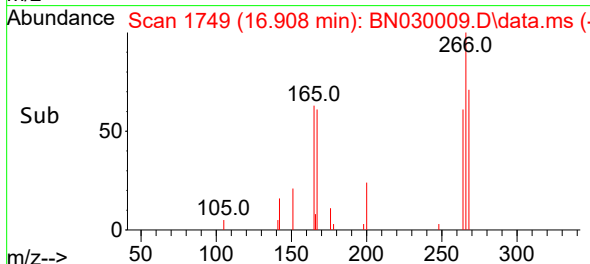
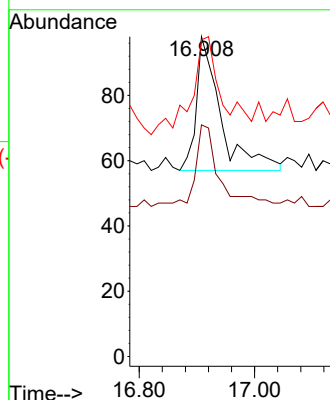
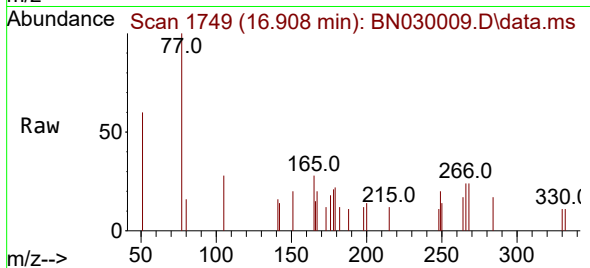
Tgt Ion:266 Resp: 121

Ion Ratio Lower Upper

266 100

264 49.6 50.8 76.2#

268 58.7 51.5 77.3



#27

Fluoranthene-d10

Concen: 0.364 ng

RT: 19.289 min Scan# 2046

Delta R.T. -0.000 min

Lab File: BN030009.D

Acq: 25 Feb 2024 01:08

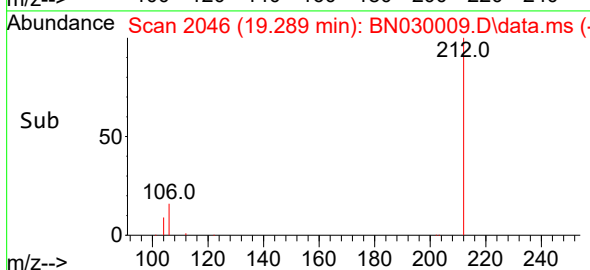
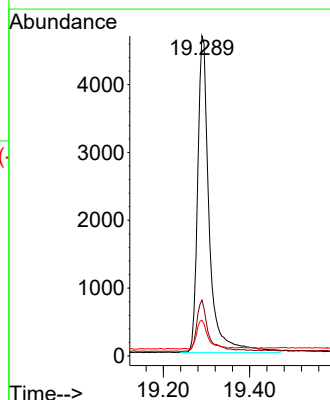
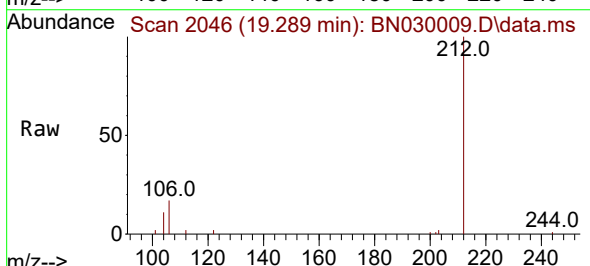
Tgt Ion:212 Resp: 8719

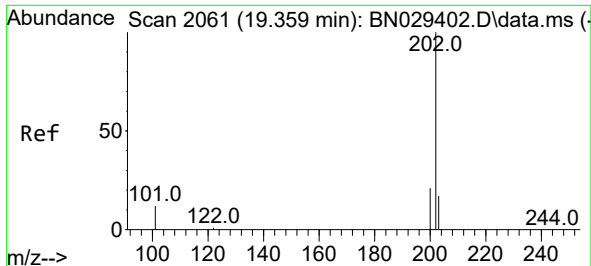
Ion Ratio Lower Upper

212 100

106 15.8 13.2 19.8

104 9.0 7.7 11.5

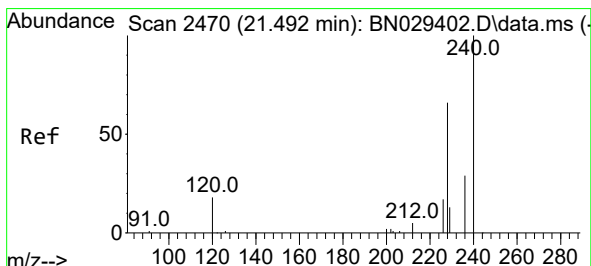
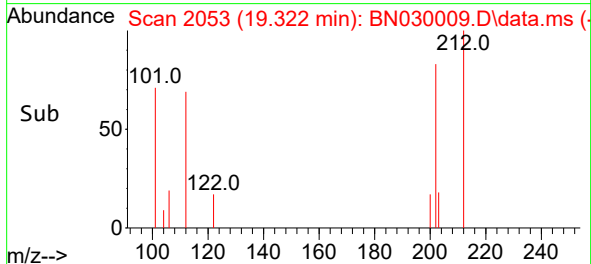
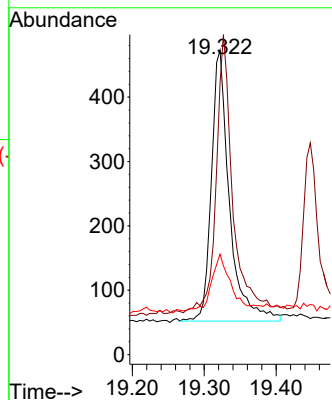
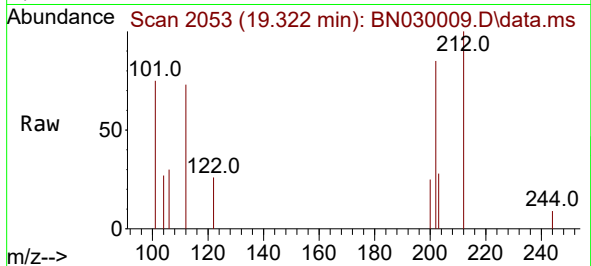




#28  
Fluoranthene  
Concen: 0.022 ng  
RT: 19.322 min Scan# 2061  
Delta R.T. 0.005 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

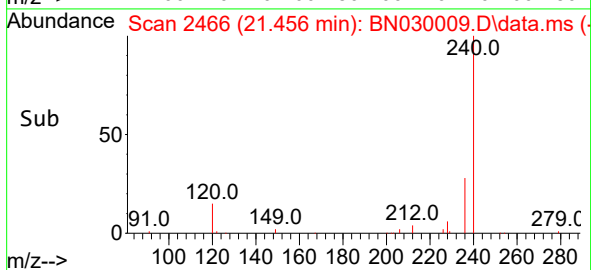
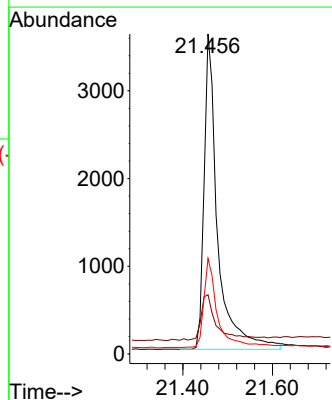
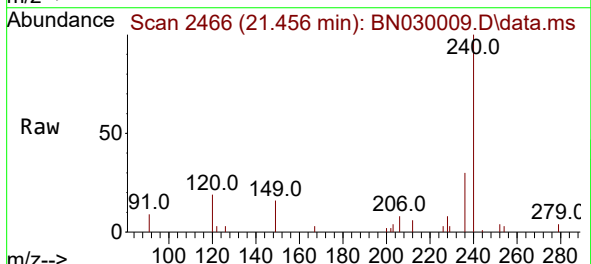
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D3-20240216

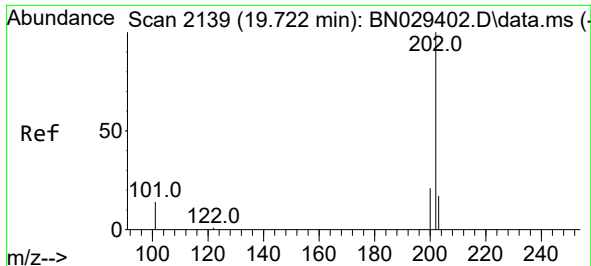
Tgt Ion:202 Resp: 732  
Ion Ratio Lower Upper  
202 100  
101 95.1 10.5 15.7#  
203 21.4 13.5 20.3#



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.456 min Scan# 2466  
Delta R.T. -0.000 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Tgt Ion:240 Resp: 7545  
Ion Ratio Lower Upper  
240 100  
120 18.5 16.7 25.1  
236 29.9 23.9 35.9

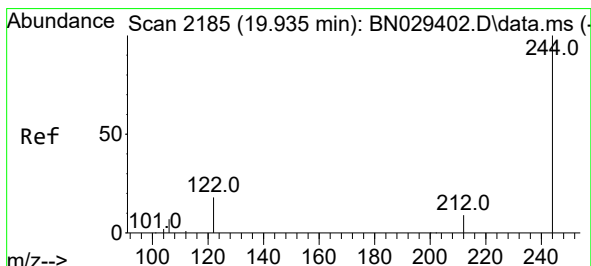
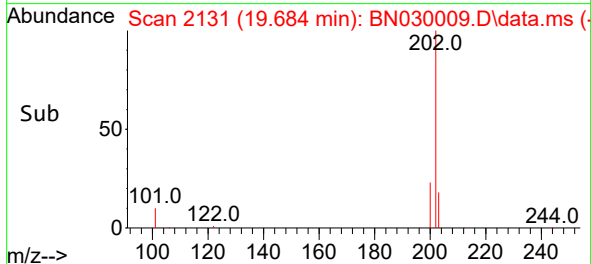
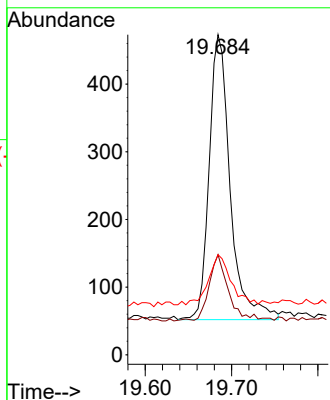
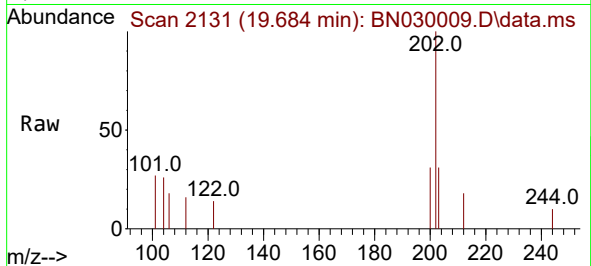




#30  
 Pyrene  
 Concen: 0.021 ng  
 RT: 19.684 min Scan# 2111  
 Delta R.T. -0.000 min  
 Lab File: BN030009.D  
 Acq: 25 Feb 2024 01:08

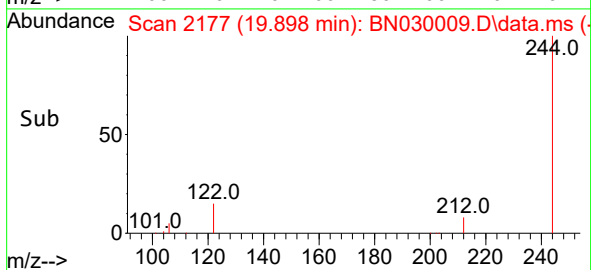
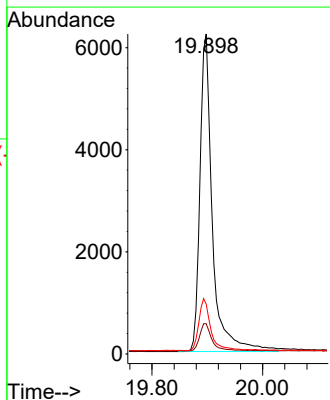
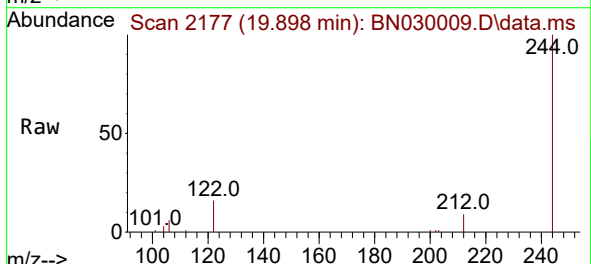
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D3-20240216

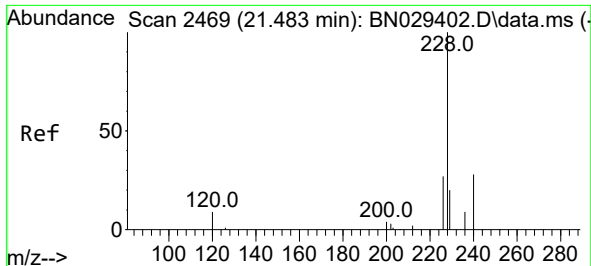
Tgt Ion:202 Resp: 714  
 Ion Ratio Lower Upper  
 202 100  
 200 21.0 16.6 25.0  
 203 19.0 14.2 21.4



#31  
 Terphenyl-d14  
 Concen: 0.520 ng  
 RT: 19.898 min Scan# 2177  
 Delta R.T. -0.000 min  
 Lab File: BN030009.D  
 Acq: 25 Feb 2024 01:08

Tgt Ion:244 Resp: 9747  
 Ion Ratio Lower Upper  
 244 100  
 212 9.4 8.2 12.4  
 122 15.6 15.6 23.4

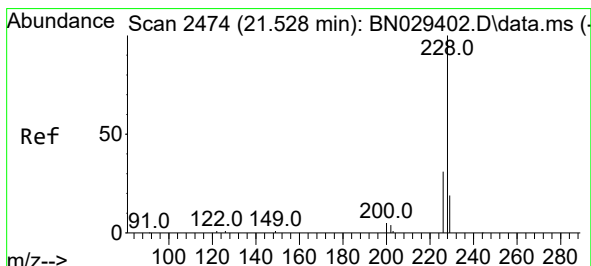
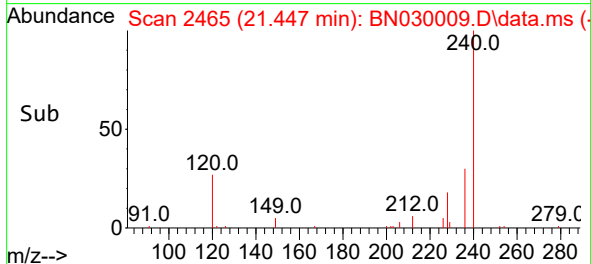
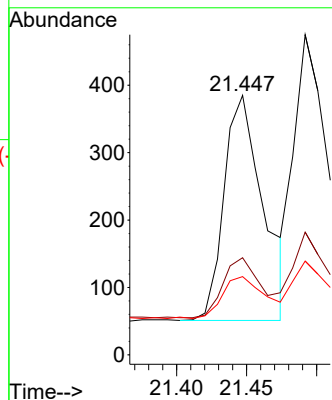
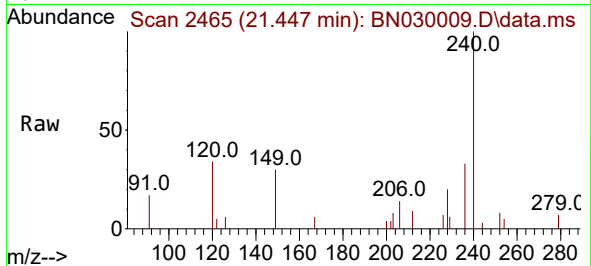




#32  
Benzo(a)anthracene  
Concen: 0.025 ng  
RT: 21.447 min Scan# 2465  
Delta R.T. 0.009 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

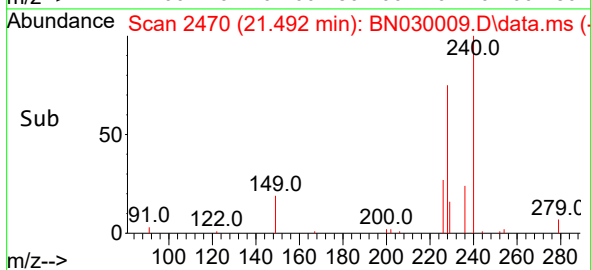
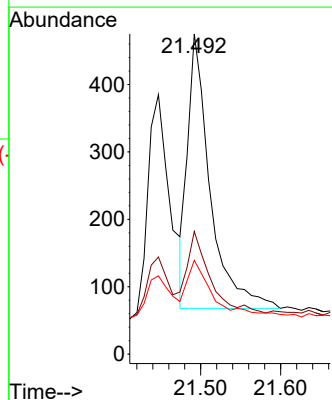
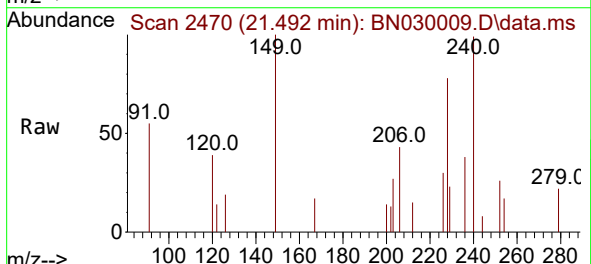
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D3-20240216

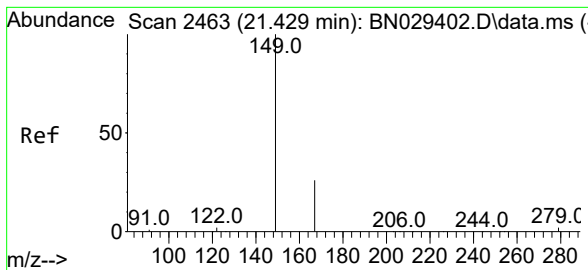
Tgt Ion:228 Resp: 648  
Ion Ratio Lower Upper  
228 100  
226 37.4 22.2 33.4#  
229 30.1 16.5 24.7#



#33  
Chrysene  
Concen: 0.027 ng  
RT: 21.492 min Scan# 2470  
Delta R.T. -0.000 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Tgt Ion:228 Resp: 792  
Ion Ratio Lower Upper  
228 100  
226 38.3 24.9 37.3#  
229 29.3 15.9 23.9#

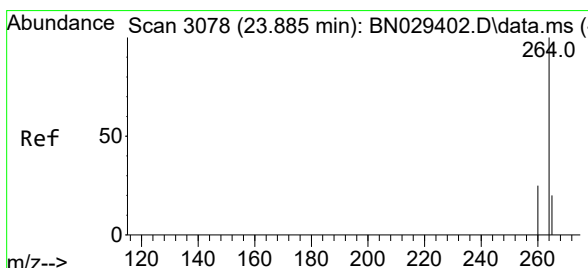
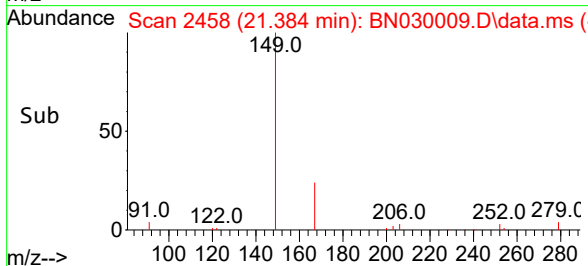
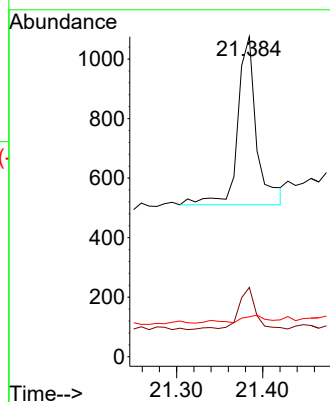
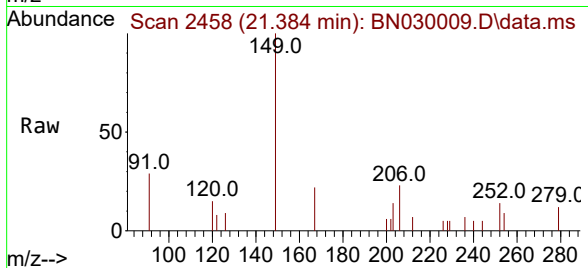




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.049 ng  
 RT: 21.384 min Scan# 2458  
 Delta R.T. -0.000 min  
 Lab File: BN030009.D  
 Acq: 25 Feb 2024 01:08

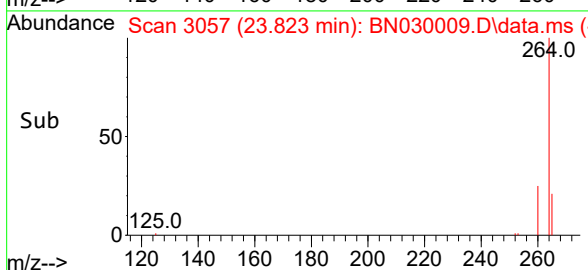
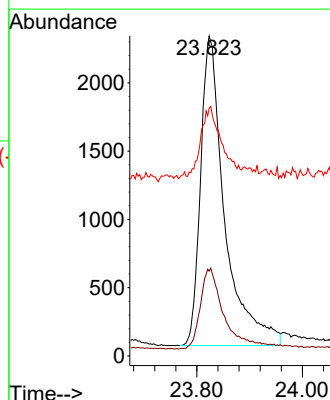
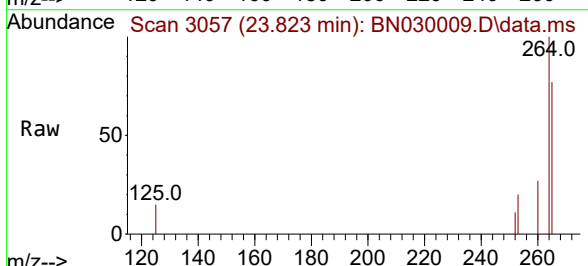
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D3-20240216

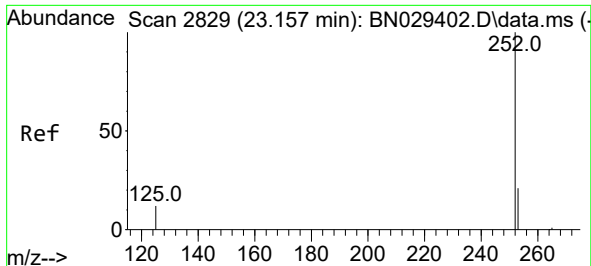
Tgt Ion:149 Resp: 865  
 Ion Ratio Lower Upper  
 149 100  
 167 23.4 20.1 30.1  
 279 5.1 2.5 3.7#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.823 min Scan# 3057  
 Delta R.T. 0.003 min  
 Lab File: BN030009.D  
 Acq: 25 Feb 2024 01:08

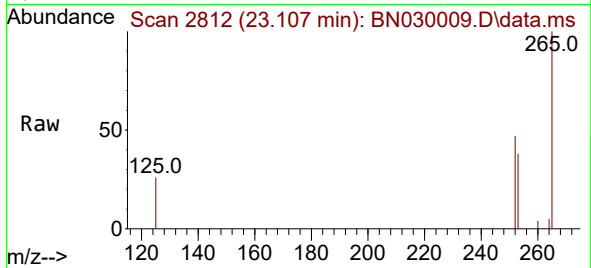
Tgt Ion:264 Resp: 7194  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 21.2 31.8  
 265 77.5 41.5 62.3#



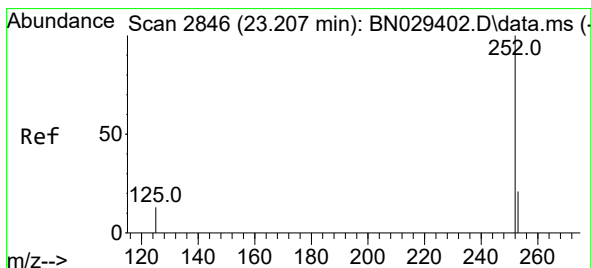
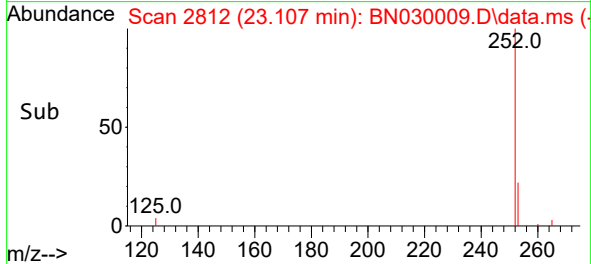
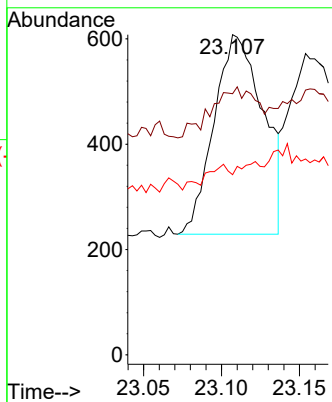


#37  
Benzo(b)fluoranthene  
Concen: 0.032 ng  
RT: 23.107 min Scan# 2812  
Delta R.T. 0.009 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D3-20240216



Tgt Ion:252 Resp: 834  
Ion Ratio Lower Upper  
252 100  
253 81.6 21.7 32.5#  
125 56.2 13.3 19.9#



#38  
Benzo(k)fluoranthene  
Concen: 0.029 ng  
RT: 23.154 min Scan# 2828  
Delta R.T. 0.006 min  
Lab File: BN030009.D  
Acq: 25 Feb 2024 01:08

Tgt Ion:252 Resp: 774  
Ion Ratio Lower Upper  
252 100  
253 87.9 21.8 32.8#  
125 65.0 13.9 20.9#

