

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080324\  
 Data File : BF138777.D  
 Acq On : 03 Aug 2024 18:50  
 Operator : RC/JU  
 Sample : P3448-15  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LINNETT-CONC

Quant Time: Aug 05 00:53:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

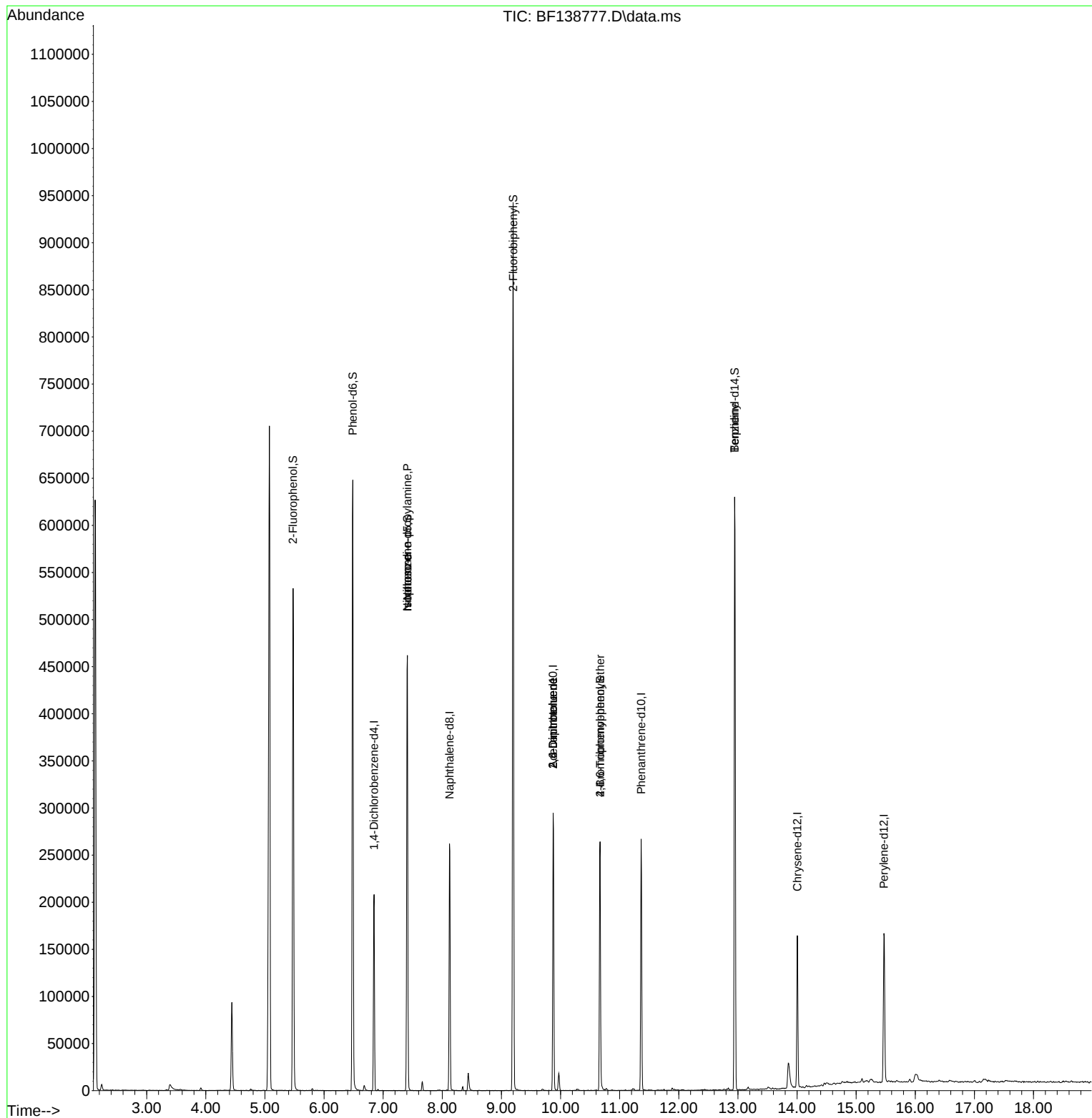
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.846  | 152  | 40592    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 160557   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 87328    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 138756   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 75241    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 92728    | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 178383   | 67.836 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 281981   | 79.870 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 205119   | 62.461 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 41410    | 57.889 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 385338   | 66.298 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 304881   | 67.842 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 26956    | 12.641 | ng    | # 76     |
| 25) Isophorone                | 7.410  | 82   | 205117   | 36.579 | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 11031    | 8.754  | ng    | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 11031    | 6.861  | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 3053     | 2.032  | ng    | # 1      |
| 77) Benzidine                 | 12.945 | 184  | 4391     | 2.440  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

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

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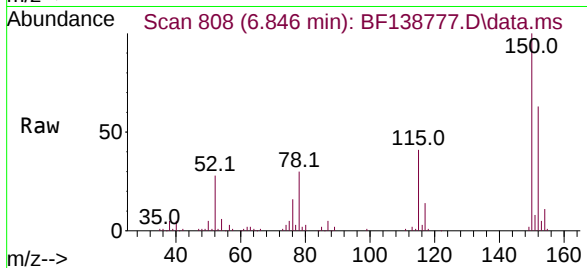
Quant Time: Aug 05 00:53:59 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 30 17:50:01 2024  
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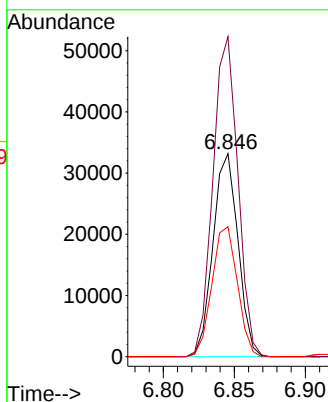
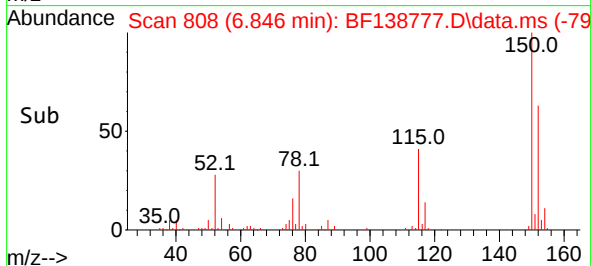


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.846 min Scan# 80  
Delta R.T. 0.001 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

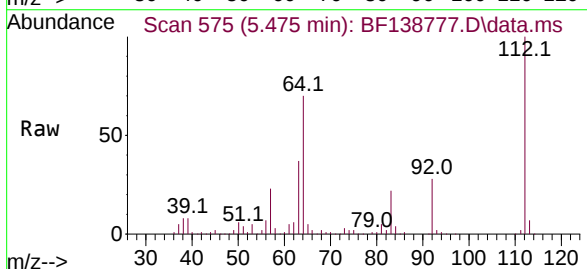
Instrument :  
BNA\_F  
ClientSampleId :  
LINNETT-CONC



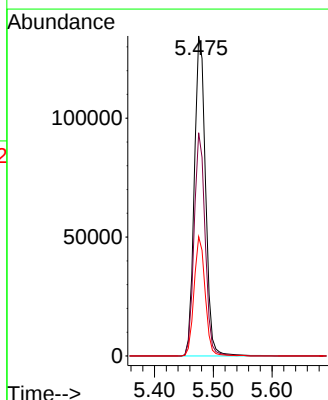
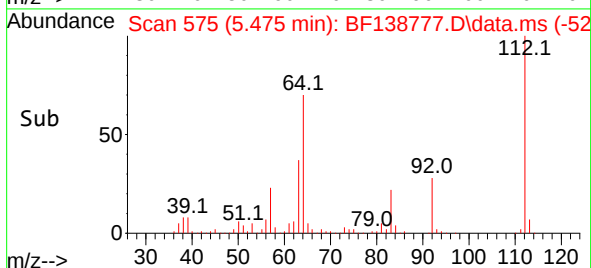
Tgt Ion:152 Resp: 40592  
Ion Ratio Lower Upper  
152 100  
150 157.6 126.0 189.0  
115 64.0 51.7 77.5



#5  
2-Fluorophenol  
Concen: 67.836 ng  
RT: 5.475 min Scan# 575  
Delta R.T. 0.006 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50



Tgt Ion:112 Resp: 178383  
Ion Ratio Lower Upper  
112 100  
64 69.7 54.2 81.4  
63 37.2 28.7 43.1

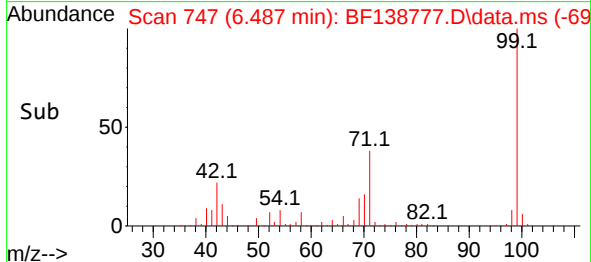
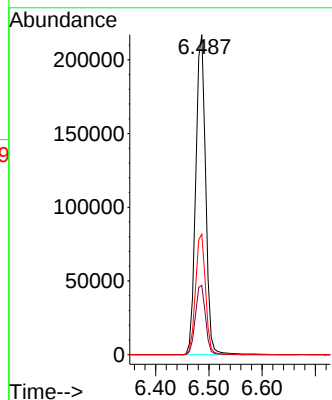
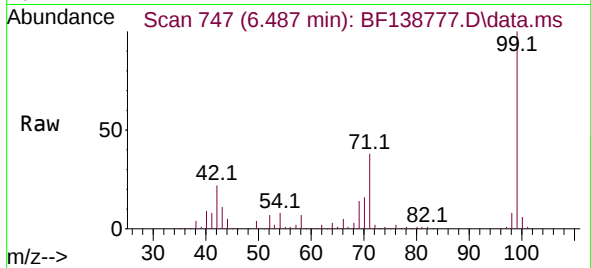




#7  
Phenol-d6  
Concen: 79.870 ng  
RT: 6.487 min Scan# 74  
Delta R.T. 0.000 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

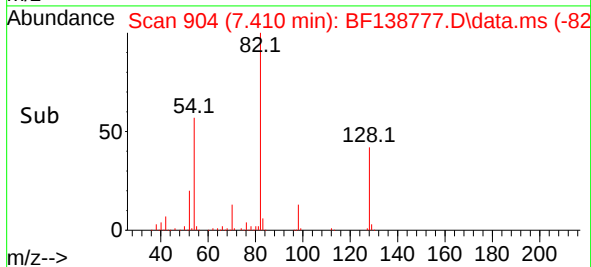
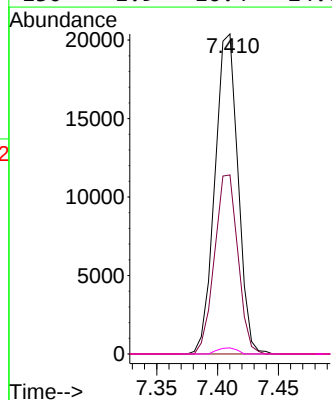
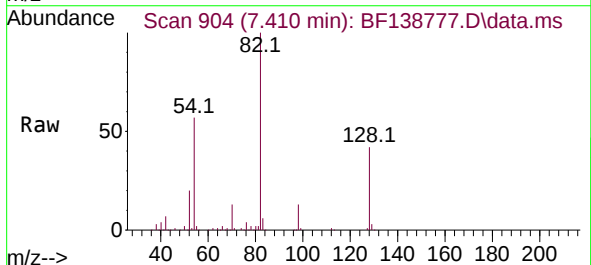
Instrument :  
BNA\_F  
ClientSampleId :  
LINNETT-CONC

Tgt Ion: 99 Resp: 281981  
Ion Ratio Lower Upper  
99 100  
42 21.7 17.4 26.0  
71 37.7 28.1 42.1



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.641 ng  
RT: 7.410 min Scan# 904  
Delta R.T. 0.153 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

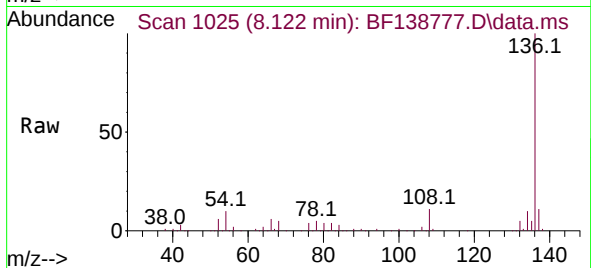
Tgt Ion: 70 Resp: 26956  
Ion Ratio Lower Upper  
70 100  
42 55.9 57.4 86.0#  
101 0.0 7.5 11.3#  
130 1.9 16.4 24.6#





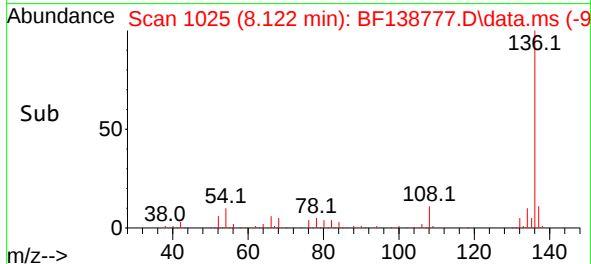
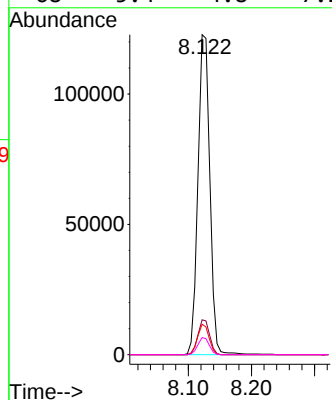
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

Instrument :  
BNA\_F  
ClientSampleId :  
LINNETT-CONC



Tgt Ion:136 Resp: 160557

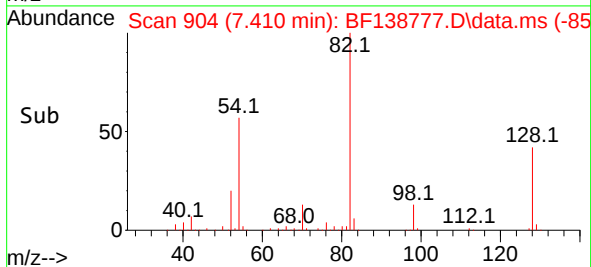
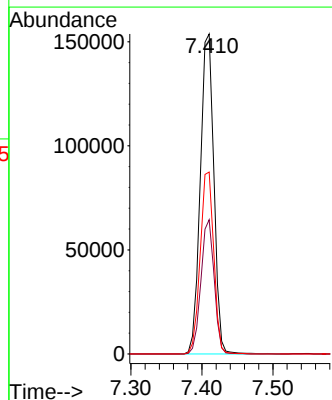
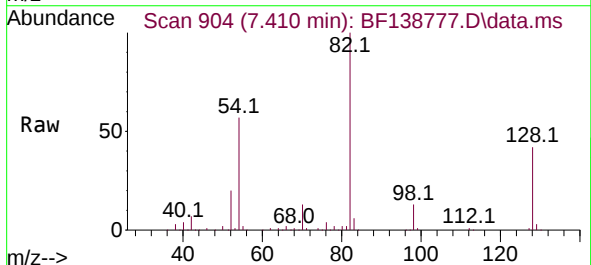
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.9   | 13.3  |
| 54  | 9.5   | 8.6   | 12.8  |
| 68  | 5.4   | 4.8   | 7.2   |



#23  
Nitrobenzene-d5  
Concen: 62.461 ng  
RT: 7.410 min Scan# 904  
Delta R.T. 0.000 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

Tgt Ion: 82 Resp: 205119

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.9  | 32.8  | 49.2  |
| 54  | 56.9  | 48.3  | 72.5  |

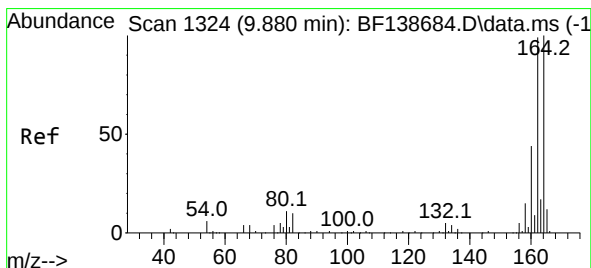
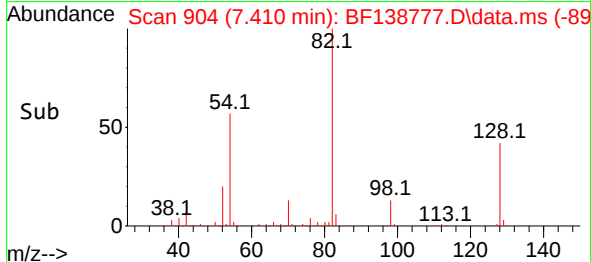
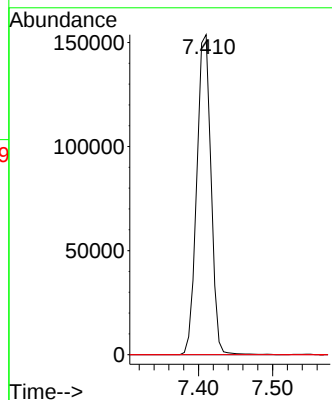
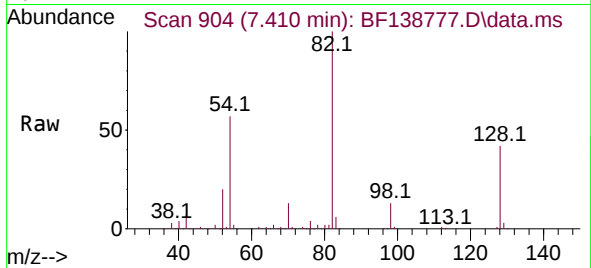




#25  
Isophorone  
Concen: 36.579 ng  
RT: 7.410 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

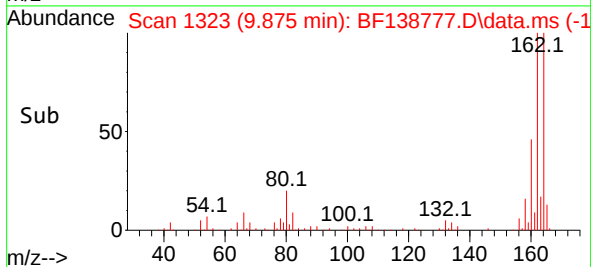
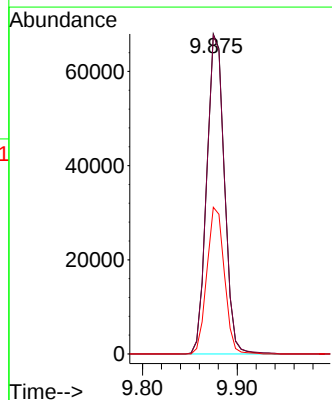
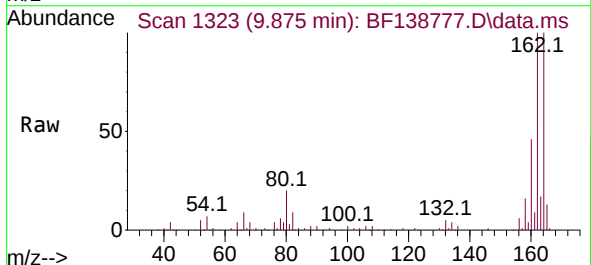
Instrument :  
BNA\_F  
ClientSampleId :  
LINNETT-CONC

Tgt Ion: 82 Resp: 205117  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.7 20.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

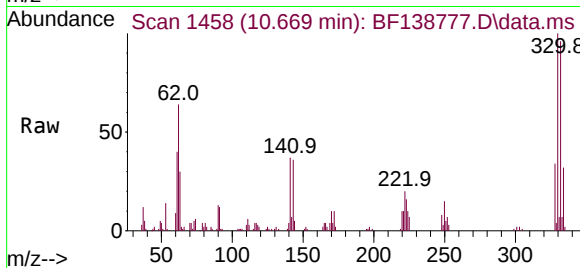
Tgt Ion: 164 Resp: 87328  
Ion Ratio Lower Upper  
164 100  
162 99.7 79.4 119.0  
160 45.9 35.1 52.7



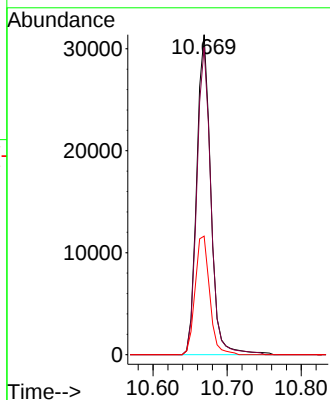
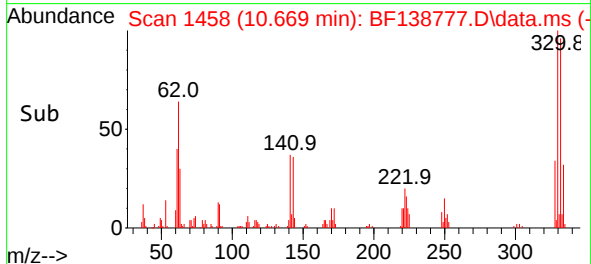


#42  
2,4,6-Tribromophenol  
Concen: 57.889 ng  
RT: 10.669 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

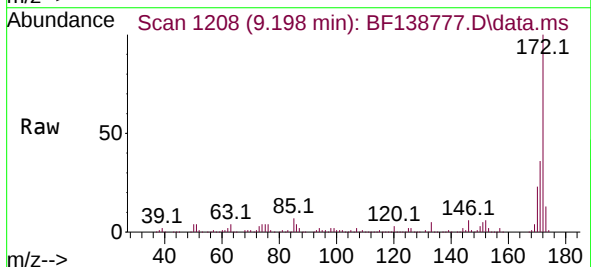
Instrument :  
BNA\_F  
ClientSampleId :  
LINNETT-CONC



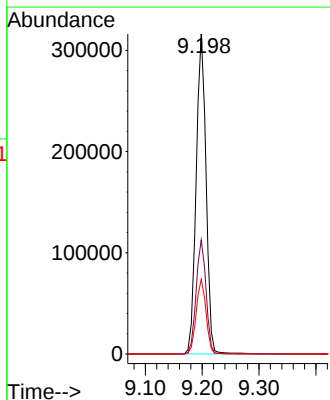
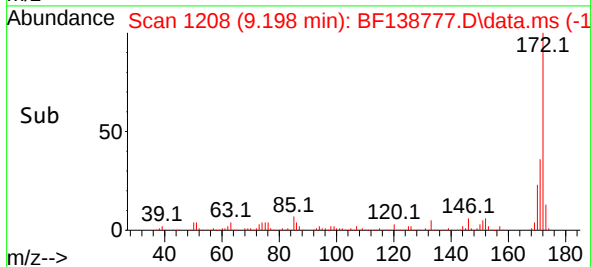
Tgt Ion:330 Resp: 41410  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.4 114.6  
141 38.2 31.1 46.7



#45  
2-Fluorobiphenyl  
Concen: 66.298 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50



Tgt Ion:172 Resp: 385338  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.3 42.5  
170 23.3 18.8 28.2

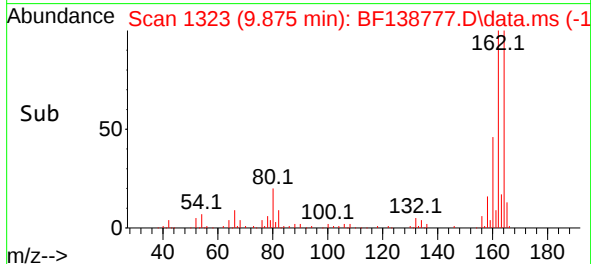
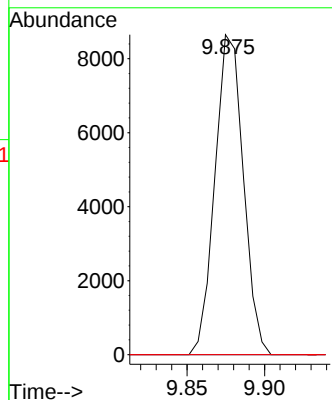
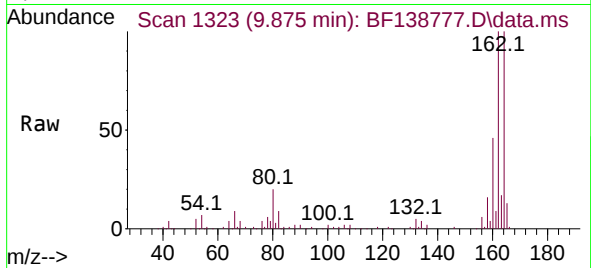




#51  
2,6-Dinitrotoluene  
Concen: 8.754 ng  
RT: 9.875 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

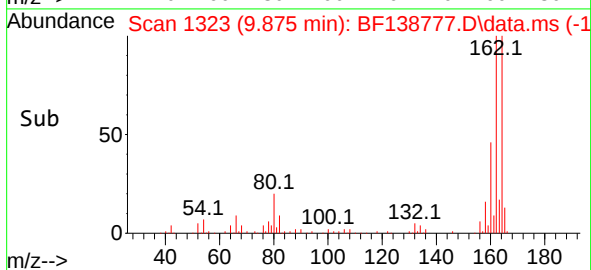
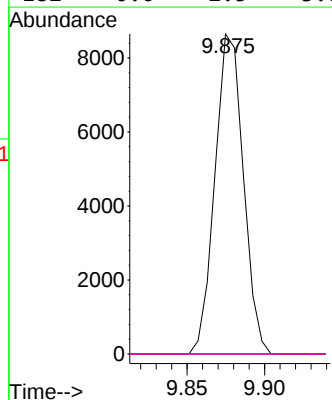
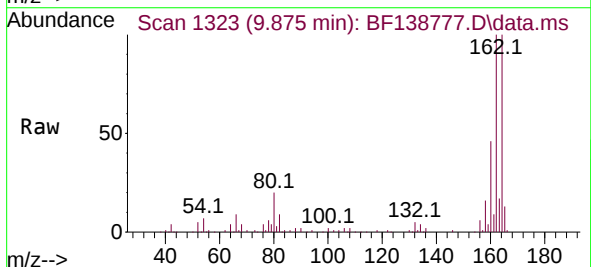
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:165 Resp: 11031  
Ion Ratio Lower Upper  
165 100  
63 0.0 52.0 78.0#  
89 0.0 47.0 70.6#



#57  
2,4-Dinitrotoluene  
Concen: 6.861 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. -0.194 min  
Lab File: BF138777.D  
Acq: 03 Aug 2024 18:50

Tgt Ion:165 Resp: 11031  
Ion Ratio Lower Upper  
165 100  
63 0.0 46.3 69.5#  
89 0.0 64.2 96.4#  
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138777.D

Acq: 03 Aug 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

LINNETT-CONC

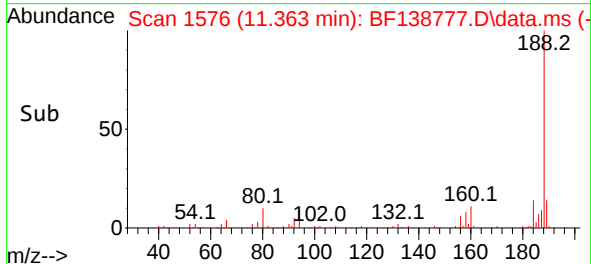
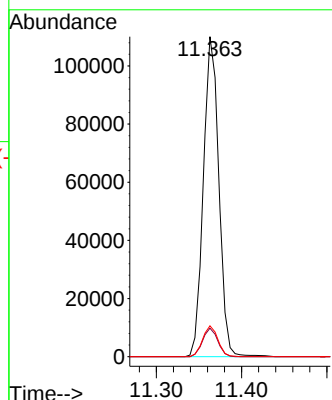
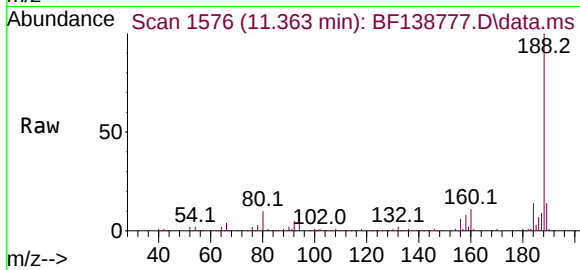
Tgt Ion:188 Resp: 138756

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.7 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.032 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138777.D

Acq: 03 Aug 2024 18:50

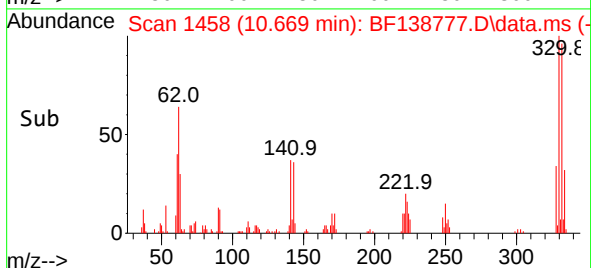
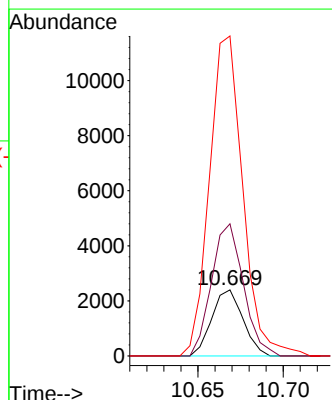
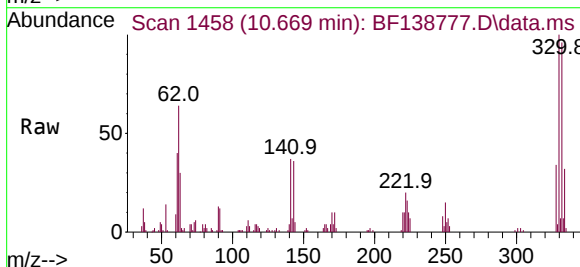
Tgt Ion:248 Resp: 3053

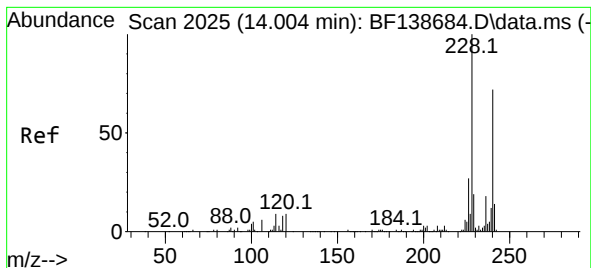
Ion Ratio Lower Upper

248 100

250 200.2 77.7 116.5#

141 484.6 68.0 102.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138777.D

Acq: 03 Aug 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

LINNETT-CONC

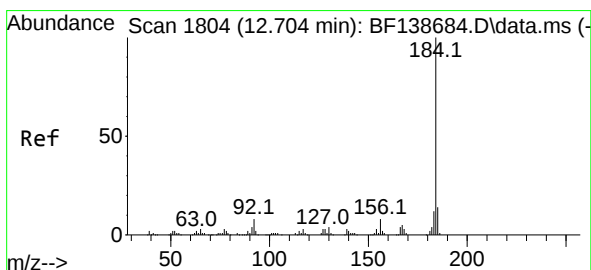
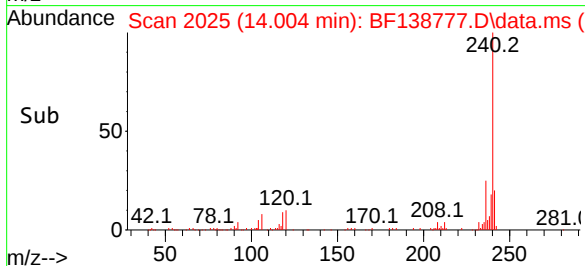
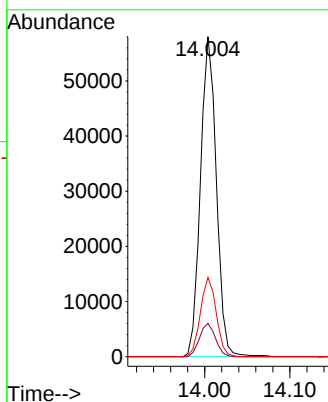
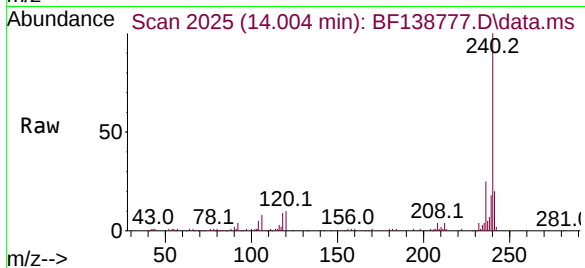
Tgt Ion:240 Resp: 75241

Ion Ratio Lower Upper

240 100

120 10.4 10.2 15.4

236 24.7 19.8 29.8



#77

Benzidine

Concen: 2.440 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.241 min

Lab File: BF138777.D

Acq: 03 Aug 2024 18:50

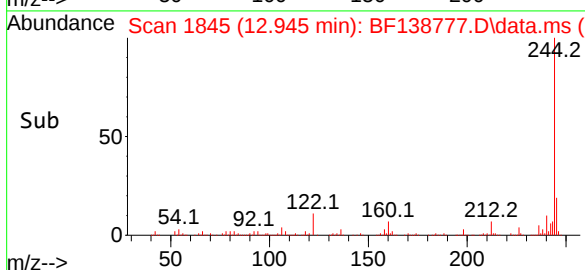
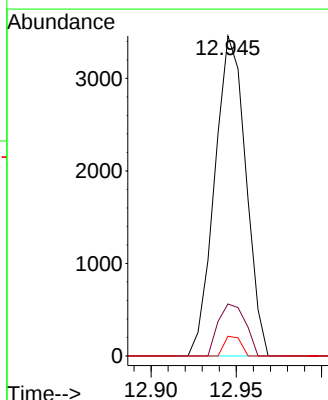
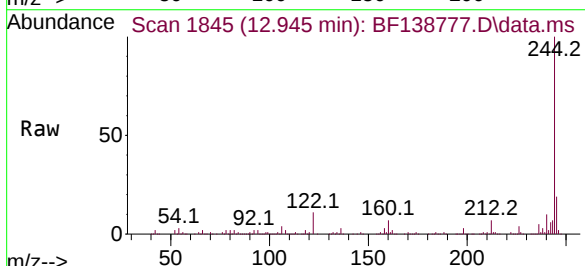
Tgt Ion:184 Resp: 4391

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

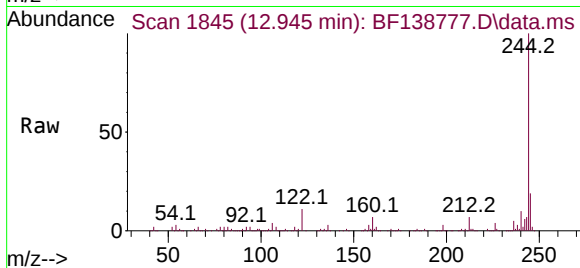
183 6.2 9.6 14.4#



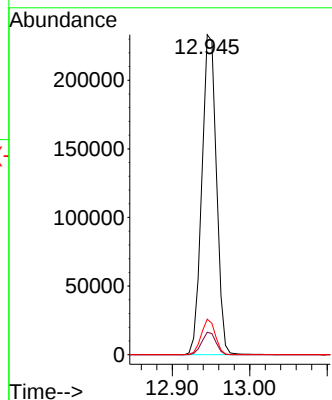
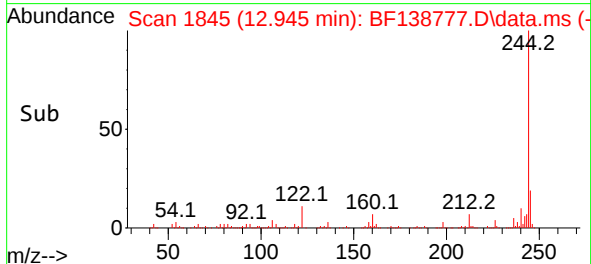


#79  
 Terphenyl-d14  
 Concen: 67.842 ng  
 RT: 12.945 min Scan# 1845  
 Delta R.T. 0.000 min  
 Lab File: BF138777.D  
 Acq: 03 Aug 2024 18:50

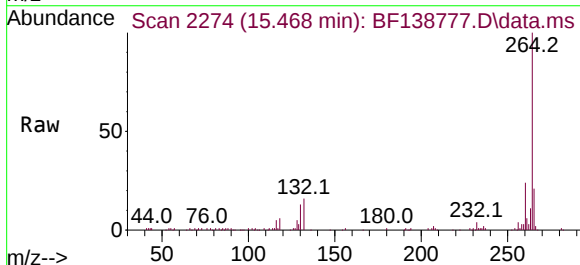
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LINNETT-CONC



Tgt Ion:244 Resp: 304881  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.2  
 122 11.1 9.6 14.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.468 min Scan# 2274  
 Delta R.T. 0.000 min  
 Lab File: BF138777.D  
 Acq: 03 Aug 2024 18:50



Tgt Ion:264 Resp: 92728  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.0 28.6  
 265 21.5 17.0 25.6

