

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020122\  
 Data File : BF126772.D  
 Acq On : 01 Feb 2022 14:24  
 Operator : CG/JU  
 Sample : N1325-11  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 02 04:58:00 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 27 03:09:40 2022  
 Response via : Initial Calibration

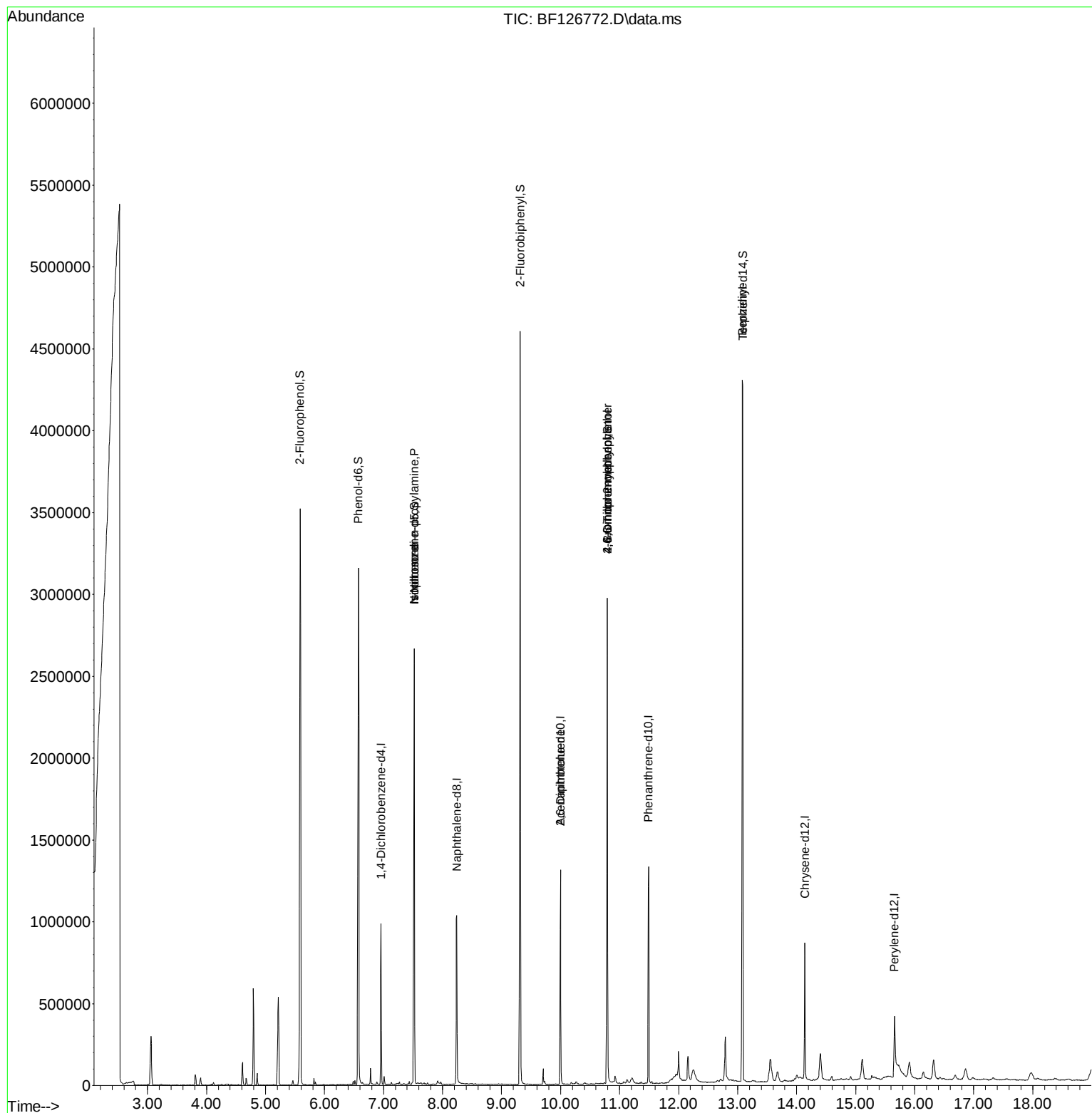
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.957  | 152  | 118830   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.239  | 136  | 453576   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 254350   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.492 | 188  | 445452   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.139 | 240  | 276877   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.657 | 264  | 162798   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 1025897  | 113.606   | ng    | 0.02     |
| 7) Phenol-d6                  | 6.575  | 99   | 1255682  | 100.082   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.522  | 82   | 1119516  | 96.608    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.792 | 330  | 371920   | 156.248   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 1453692  | 87.530    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.086 | 244  | 1688372  | 102.278   | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.510  | 77   | 1065     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.522  | 70   | 148793   | 16.249    | ng    | # 67     |
| 25) Isophorone                | 7.522  | 82   | 1112983  | 49.524    | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 32277    | 10.354    | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 10.792 | 198  | 709      | 7.653     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 23962    | 4.667     | ng    | # 1      |
| 77) Benzidine                 | 13.080 | 184  | 21707    | 2.273     | ng    | # 91     |
| -----                         |        |      |          |           |       |          |

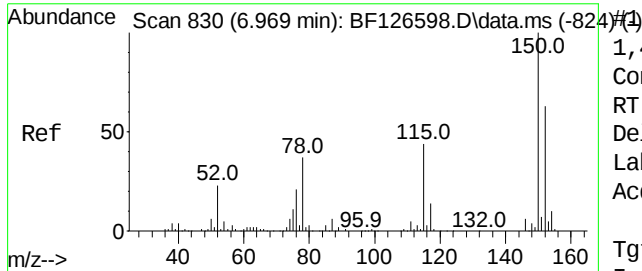
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_F  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 27 03:09:40 2022  
Response via : Initial Calibration

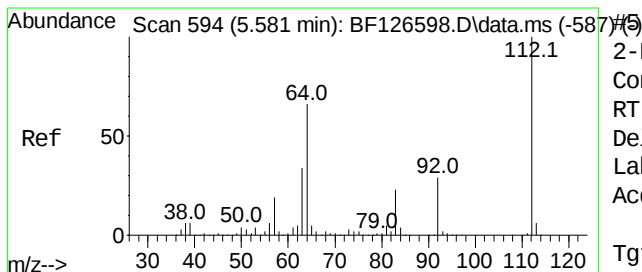
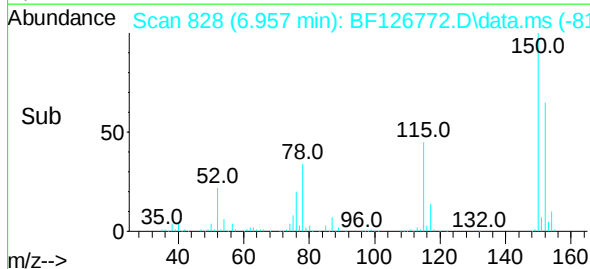
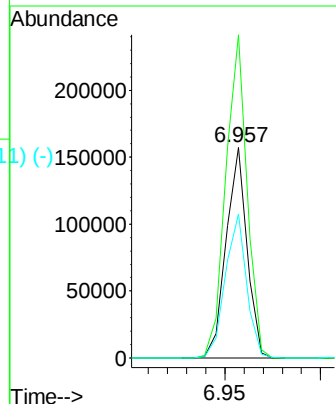
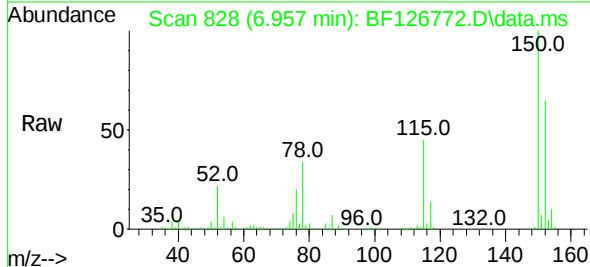




1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.957 min Scan# 830  
 Delta R.T. 0.000 min  
 Lab File: BF126772.D  
 Acq: 01 Feb 2022 14:24

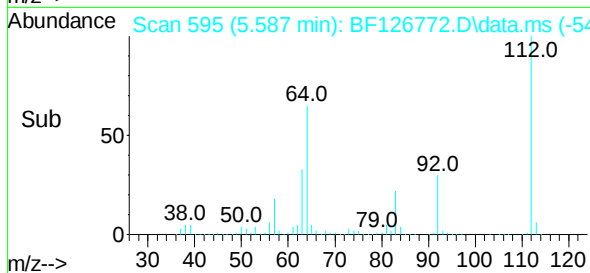
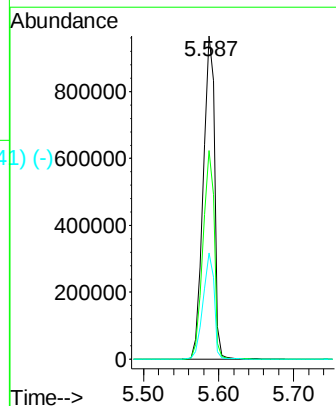
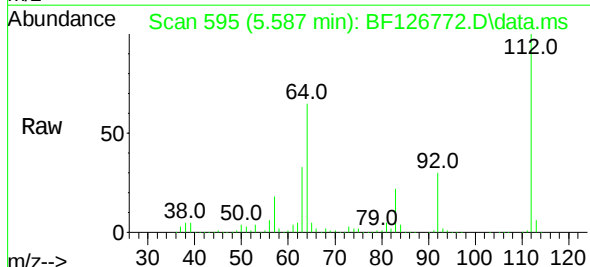
Instrument :  
 BNA\_F  
 ClientSampleId :

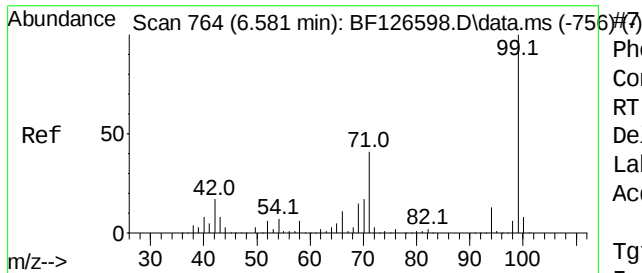
Tgt Ion:152 Resp: 118830  
 Ion Ratio Lower Upper  
 152 100  
 150 153.3 128.1 192.1  
 115 68.3 56.7 85.1



2-Fluorophenol  
 Concen: 113.606 ng  
 RT: 5.587 min Scan# 595  
 Delta R.T. 0.018 min  
 Lab File: BF126772.D  
 Acq: 01 Feb 2022 14:24

Tgt Ion:112 Resp: 1025897  
 Ion Ratio Lower Upper  
 112 100  
 64 64.5 49.5 74.3  
 63 32.9 23.9 35.9

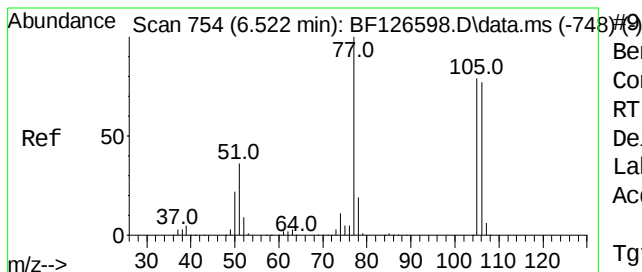
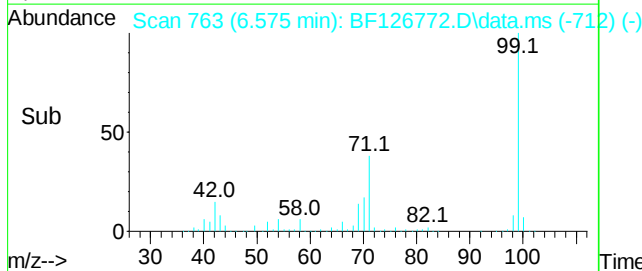
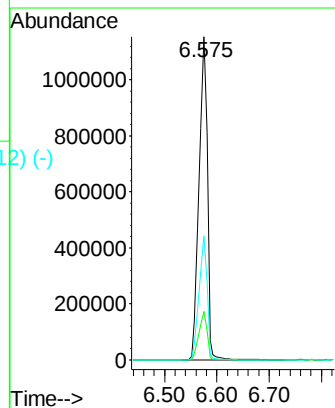
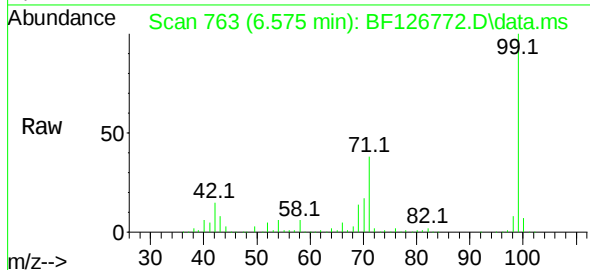




Phenol-d6  
 Concen: 100.082 ng  
 RT: 6.575 min Scan#  
 Delta R.T. 0.000 min  
 Lab File: BF126772.D  
 Acq: 01 Feb 2022 14:24

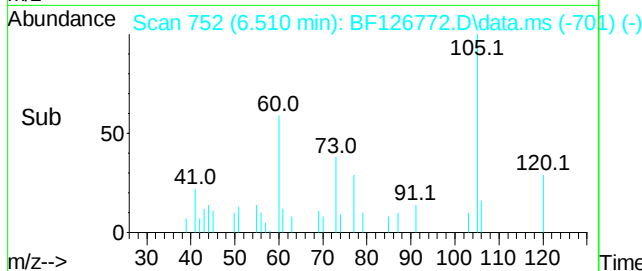
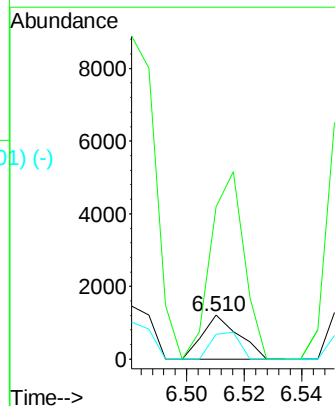
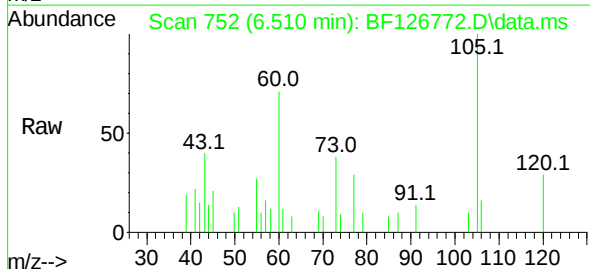
Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion: 99 Resp: 1255682  
 Ion Ratio Lower Upper  
 99 100  
 42 15.0 14.2 21.4  
 71 38.4 24.3 36.5#

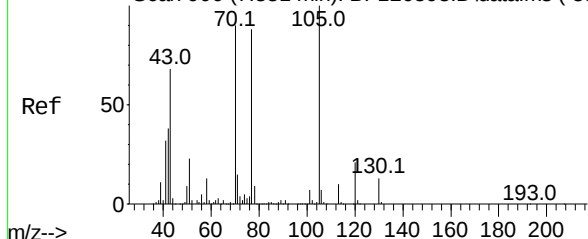


Benzaldehyde  
 Concen: Below Cal  
 RT: 6.510 min Scan# 752  
 Delta R.T. 0.000 min  
 Lab File: BF126772.D  
 Acq: 01 Feb 2022 14:24

Tgt Ion: 77 Resp: 1065  
 Ion Ratio Lower Upper  
 77 100  
 105 346.9 74.9 114.9#  
 106 57.0 72.4 112.4#



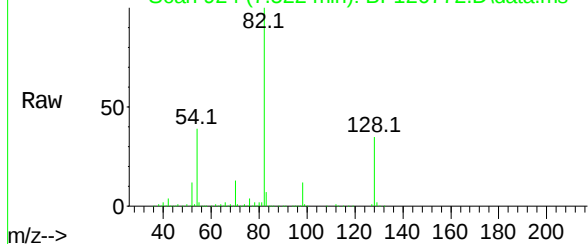
Abundance Scan 900 (7.381 min): BF126598.D\data.ms (-889) (-)



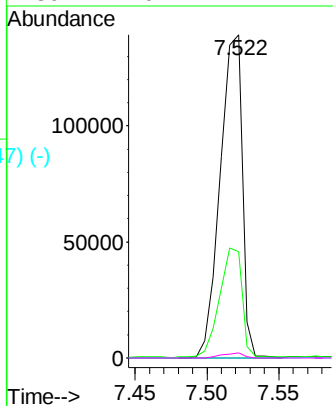
n-Nitroso-di-n-propylamine  
Concen: 16.249 ng  
RT: 7.522 min Scan# 924  
Delta R.T. 0.153 min  
Lab File: BF126772.D  
Acq: 01 Feb 2022 14:24

Instrument :  
BNA\_F  
ClientSampleId :

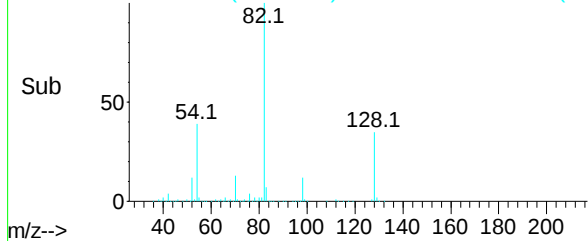
Abundance Scan 924 (7.522 min): BF126772.D\data.ms



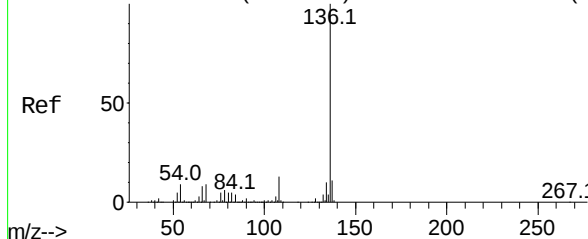
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 32.9  | 45.8  | 68.8# |
| 101     | 0.0   | 6.9   | 10.3# |
| 130     | 1.6   | 14.4  | 21.6# |



Abundance Scan 924 (7.522 min): BF126772.D\data.ms (-847) (-)



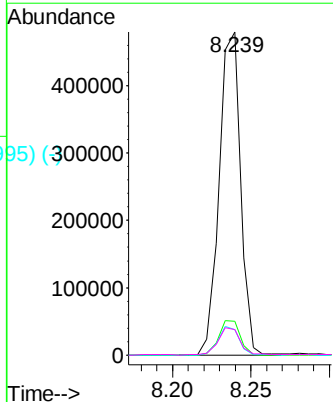
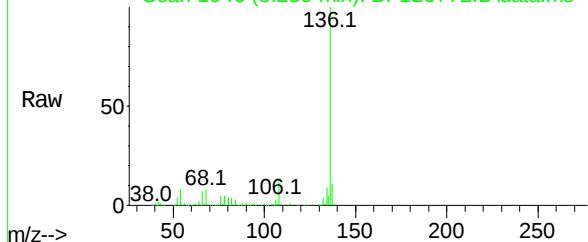
Abundance Scan 1048 (8.251 min): BF126598.D\data.ms (-1042) (-)



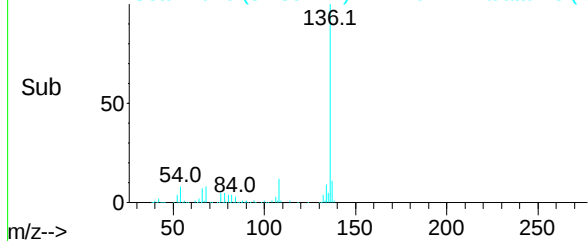
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF126772.D  
Acq: 01 Feb 2022 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.6  | 8.6   | 13.0  |
| 54      | 7.9   | 7.8   | 11.6  |
| 68      | 7.9   | 6.3   | 9.5   |

Abundance Scan 1046 (8.239 min): BF126772.D\data.ms



Abundance Scan 1046 (8.239 min): BF126772.D\data.ms (-995) (-)



Abundance Scan 926 (7.534 min): BF126598.D\data.ms (-920) #23

Nitrobenzene-d5

Concen: 96.608 ng

RT: 7.522 min Scan# 924

Delta R.T. 0.000 min

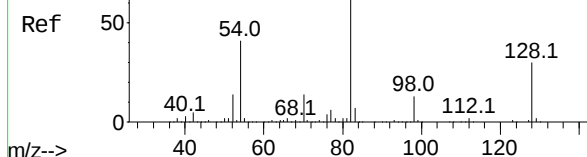
Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

Instrument :

BNA\_F

ClientSampleId :



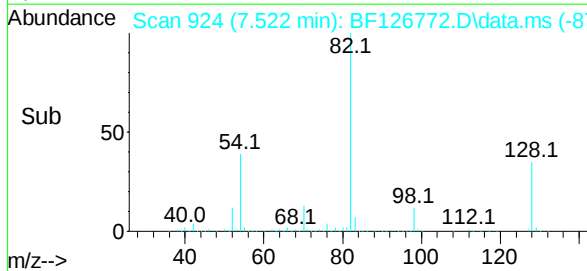
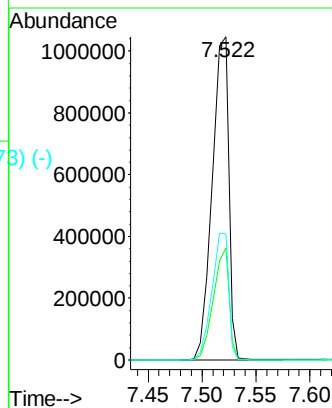
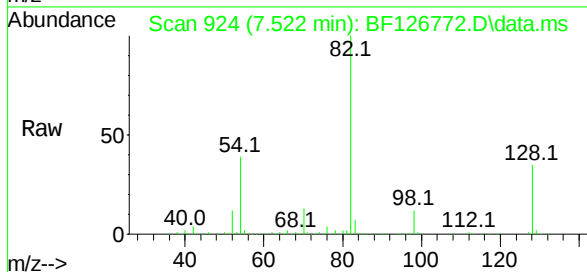
Tgt Ion: 82 Resp: 1119516

Ion Ratio Lower Upper

82 100

128 34.5 32.7 49.1

54 38.9 41.7 62.5#



Abundance Scan 969 (7.787 min): BF126598.D\data.ms (-962) #25

Isophorone

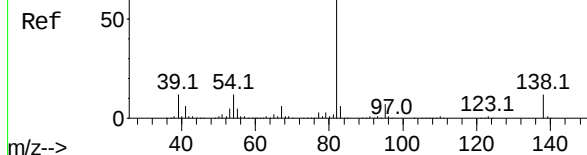
Concen: 49.524 ng

RT: 7.522 min Scan# 924

Delta R.T. -0.259 min

Lab File: BF126772.D

Acq: 01 Feb 2022 14:24



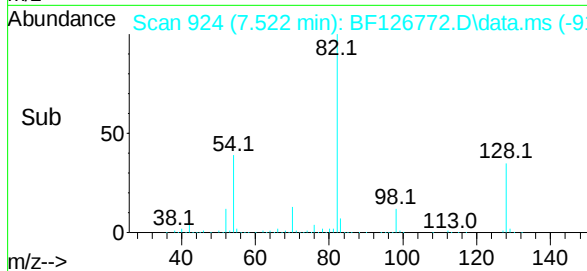
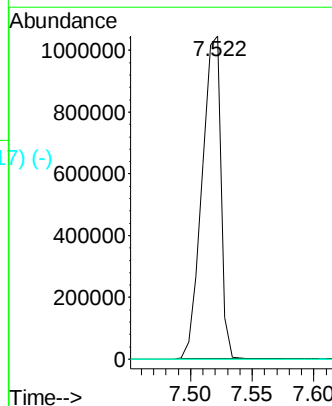
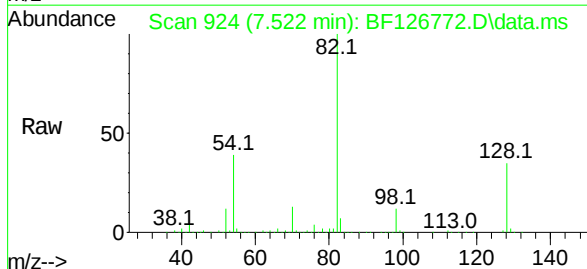
Tgt Ion: 82 Resp: 1112983

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#



Abundance Scan 1347 (10.010 min): BF126598.D\data.ms (-1349) (-)

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.000 min

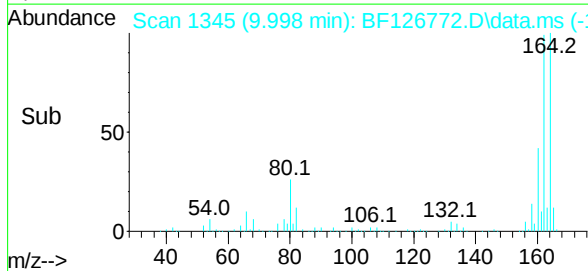
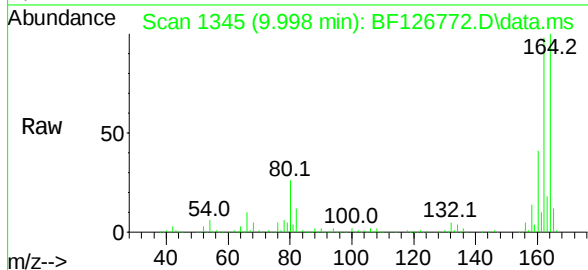
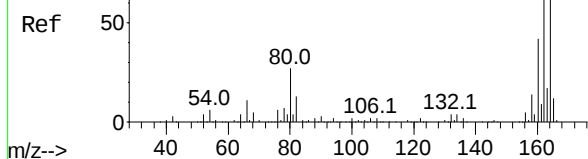
Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

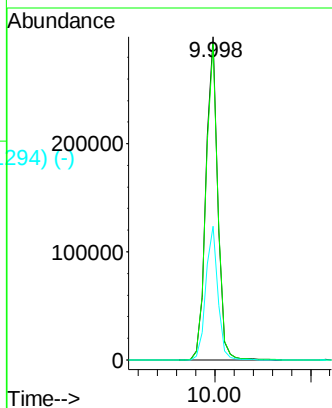
Instrument :

BNA\_F

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 254350 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 97.9  | 81.4  | 122.0  |
| 160      | 41.5  | 36.6  | 54.8   |



Abundance Scan 1481 (10.798 min): BF126598.D\data.ms (-1483) (-)

2,4,6-Tribromophenol

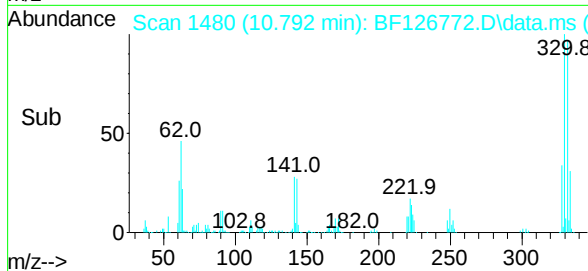
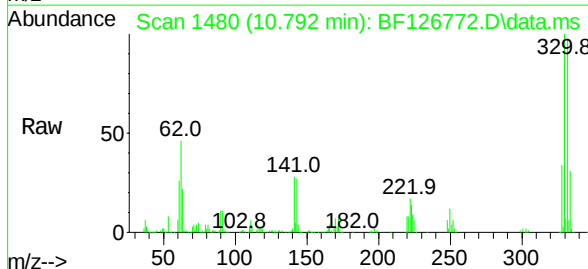
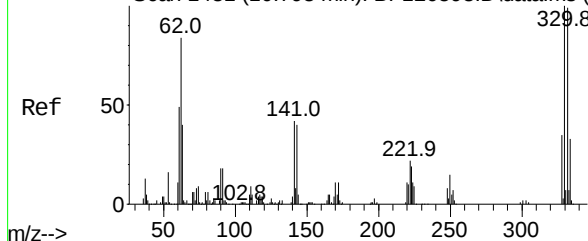
Concen: 156.248 ng

RT: 10.792 min Scan# 1480

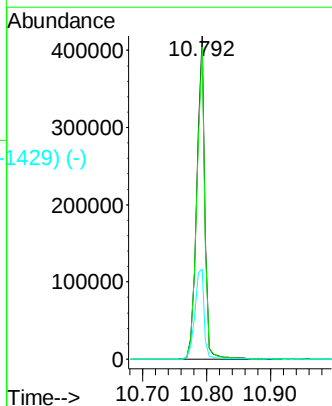
Delta R.T. 0.000 min

Lab File: BF126772.D

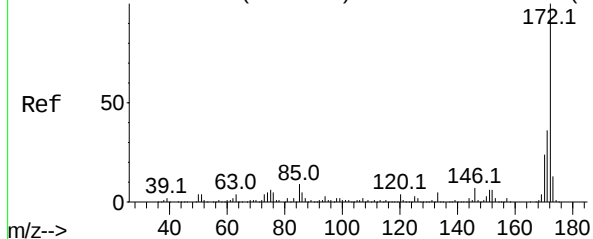
Acq: 01 Feb 2022 14:24



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 371920 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.9  | 76.0  | 114.0  |
| 141      | 32.1  | 30.1  | 45.1   |



Abundance Scan 1231 (9.328 min): BF126598.D\data.ms (-12745)



2-Fluorobiphenyl

Concen: 87.530 ng

RT: 9.316 min Scan# 1

Delta R.T. 0.000 min

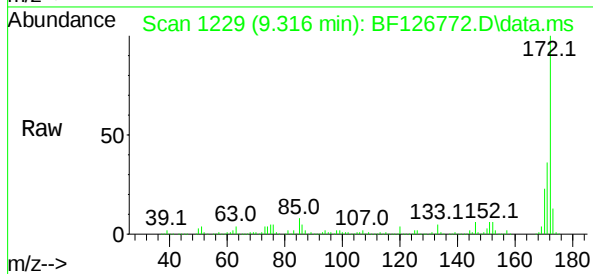
Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

Instrument :

BNA\_F

ClientSampleId :



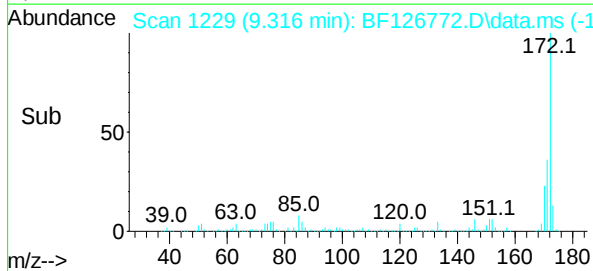
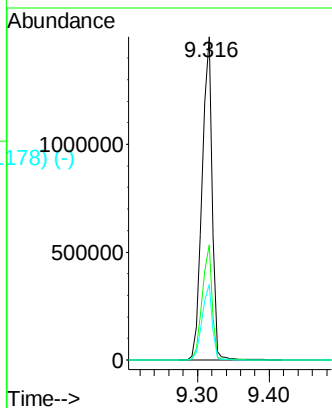
Tgt Ion:172 Resp: 1453692

Ion Ratio Lower Upper

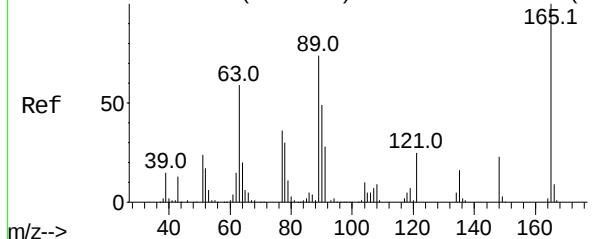
172 100

171 35.5 28.3 42.5

170 23.4 19.0 28.6



Abundance Scan 1310 (9.792 min): BF126598.D\data.ms (-13051)



2,6-Dinitrotoluene

Concen: 10.354 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.218 min

Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

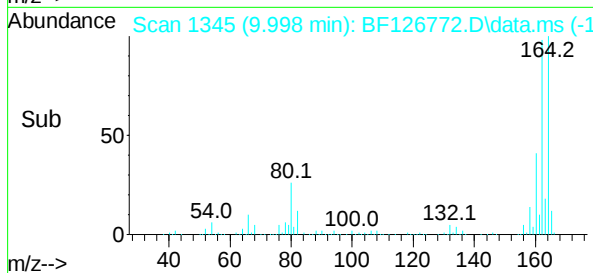
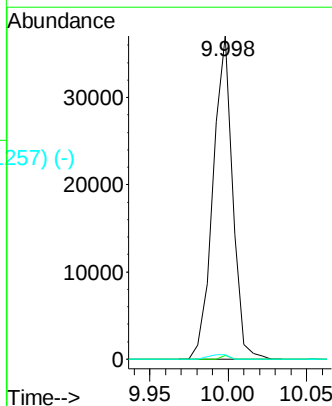
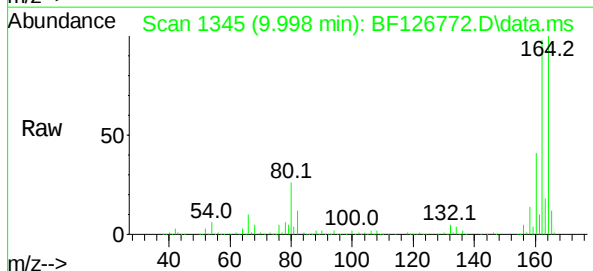
Tgt Ion:165 Resp: 32277

Ion Ratio Lower Upper

165 100

63 1.1 48.4 72.6#

89 1.4 50.5 75.7#



Abundance Scan 1600 (11.498 min): BF126598.D\data.ms (-1554) (-)

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.000 min

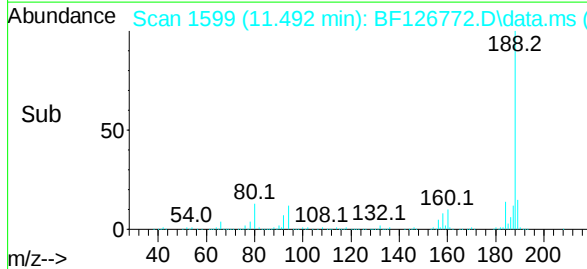
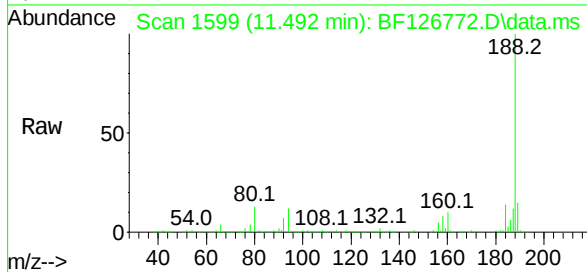
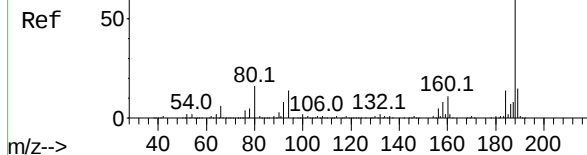
Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

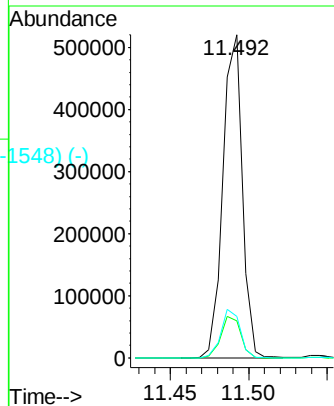
Instrument :

BNA\_F

ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 445452 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 11.6  | 10.1  | 15.1   |
| 80        | 12.8  | 11.8  | 17.6   |



Abundance Scan 1447 (10.598 min): BF126598.D\data.ms (-1405) (-)

4,6-Dinitro-2-methylphenol

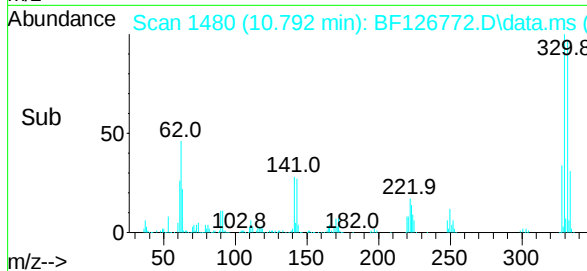
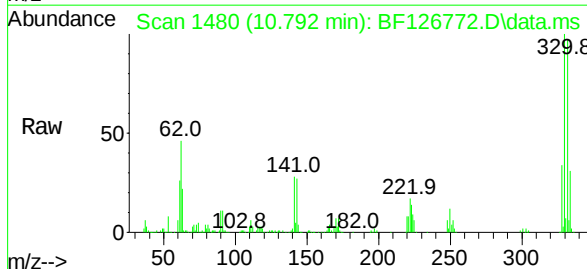
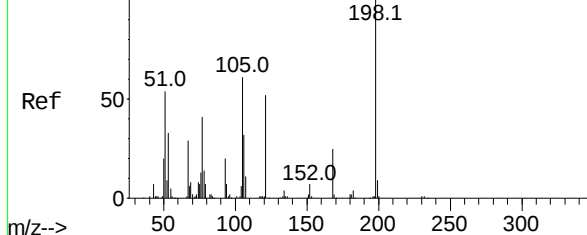
Concen: 7.653 ng

RT: 10.792 min Scan# 1480

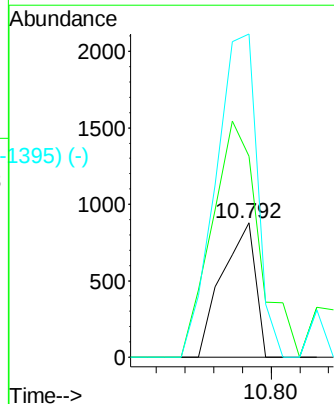
Delta R.T. 0.200 min

Lab File: BF126772.D

Acq: 01 Feb 2022 14:24



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 709   |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 149.8 | 32.0  | 72.0# |
| 105       | 240.8 | 32.7  | 72.7# |



Abundance Scan 1523 (11.045 min): BF126598.D\data.ms (-1523) (-)

4-Bromophenyl-phenylether

Concen: 4.667 ng

RT: 10.792 min Scan# 1523

Delta R.T. -0.241 min

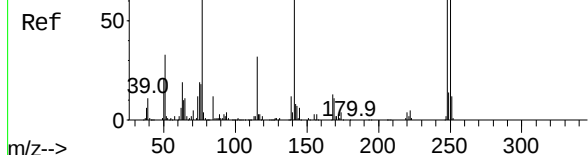
Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

Instrument :

BNA\_F

ClientSampleId :



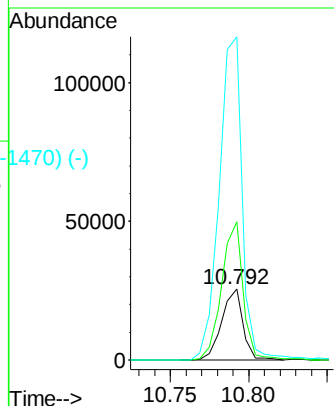
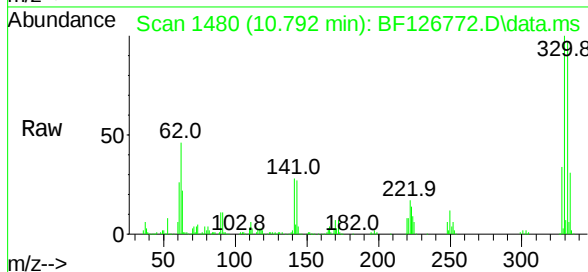
Tgt Ion:248 Resp: 23962

Ion Ratio Lower Upper

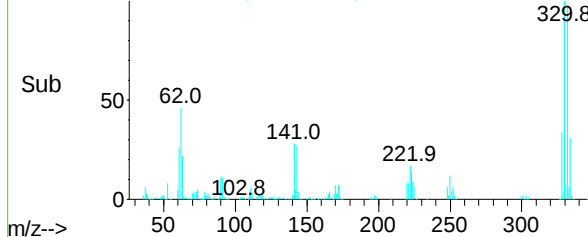
248 100

250 194.8 76.2 114.4#

141 455.5 66.2 99.4#



Abundance Scan 1480 (10.792 min): BF126772.D\data.ms (-1470) (-)



Abundance Scan 2051 (14.151 min): BF126598.D\data.ms (-2049) (-)

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 2049

Delta R.T. -0.006 min

Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

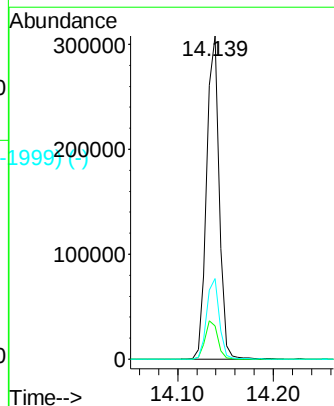
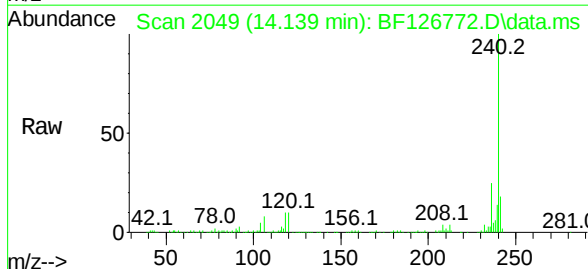
Tgt Ion:240 Resp: 276877

Ion Ratio Lower Upper

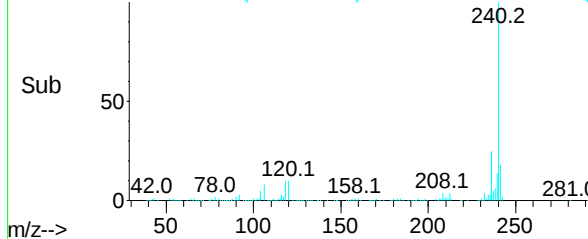
240 100

120 10.4 14.4 21.6#

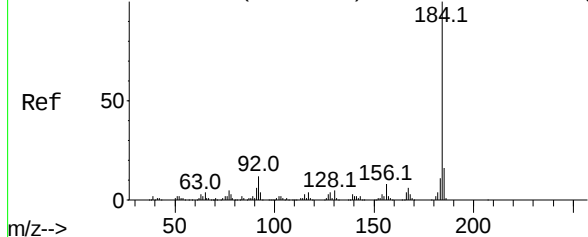
236 24.9 20.5 30.7



Abundance Scan 2049 (14.139 min): BF126772.D\data.ms (-1999) (-)



Abundance Scan 1827 (12.833 min): BF126598.D\data.ms (-1827) (-)



Benzidine

Concen: 2.273 ng

RT: 13.080 min Scan# 1827

Delta R.T. 0.253 min

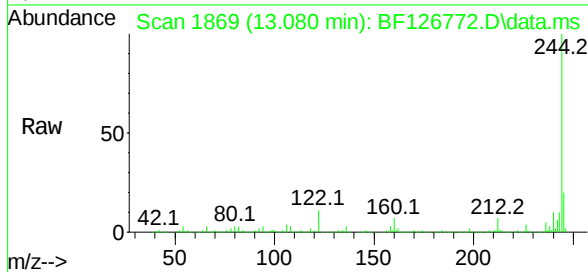
Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

Instrument :

BNA\_F

ClientSampleId :



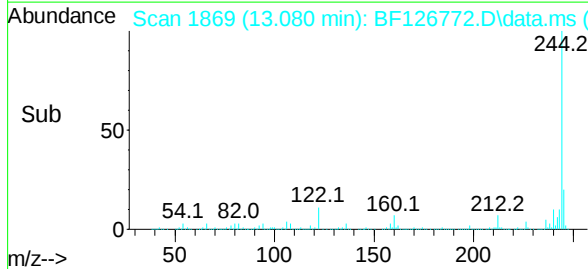
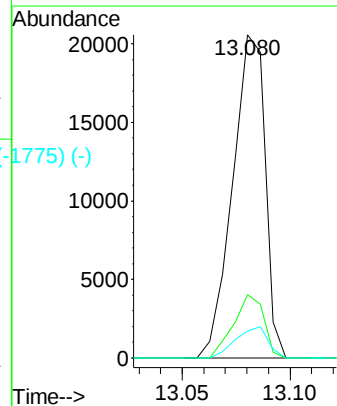
Tgt Ion:184 Resp: 21707

Ion Ratio Lower Upper

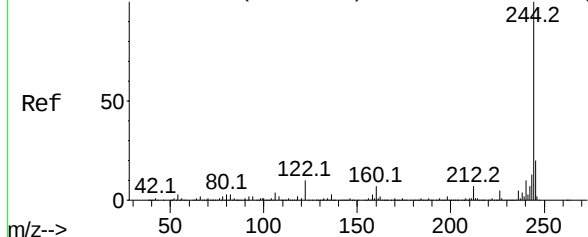
184 100

185 19.6 11.8 17.8#

183 8.2 8.2 12.2



Abundance Scan 1871 (13.092 min): BF126598.D\data.ms (-1871) (-)



Terphenyl-d14

Concen: 102.278 ng

RT: 13.086 min Scan# 1870

Delta R.T. 0.006 min

Lab File: BF126772.D

Acq: 01 Feb 2022 14:24

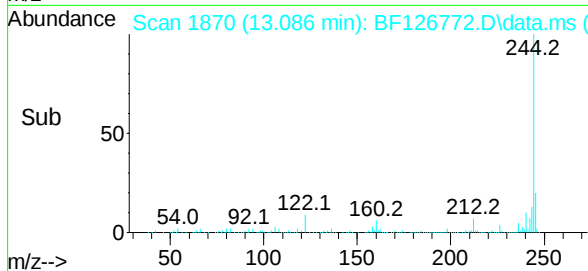
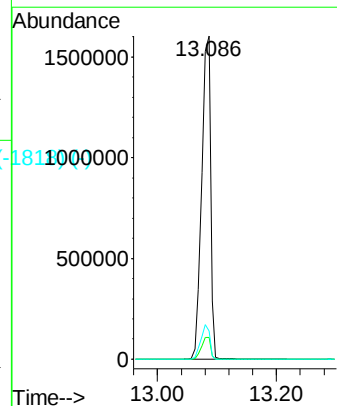
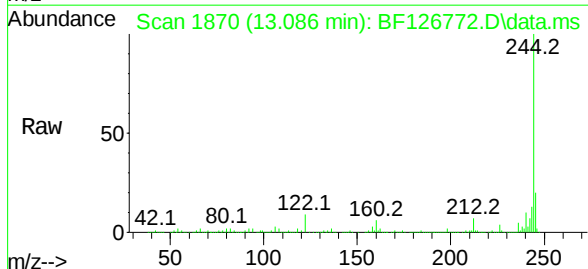
Tgt Ion:244 Resp: 1688372

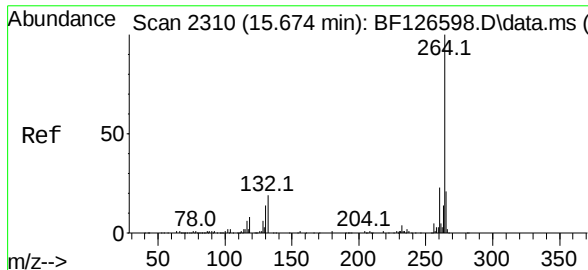
Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

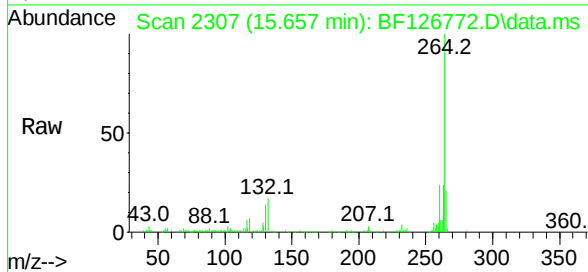
122 8.8 13.3 19.9#





Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.657 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: BF126772.D  
 Acq: 01 Feb 2022 14:24

Instrument :  
 BNA\_F  
 ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 162798 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.5  | 19.2  | 28.8   |
| 265      | 21.0  | 17.4  | 26.2   |

