

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110824\  
 Data File : BF140299.D  
 Acq On : 08 Nov 2024 15:24  
 Operator : RC/JU  
 Sample : P4737-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP2

Quant Time: Nov 08 16:14:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 05 16:47:56 2024  
 Response via : Initial Calibration

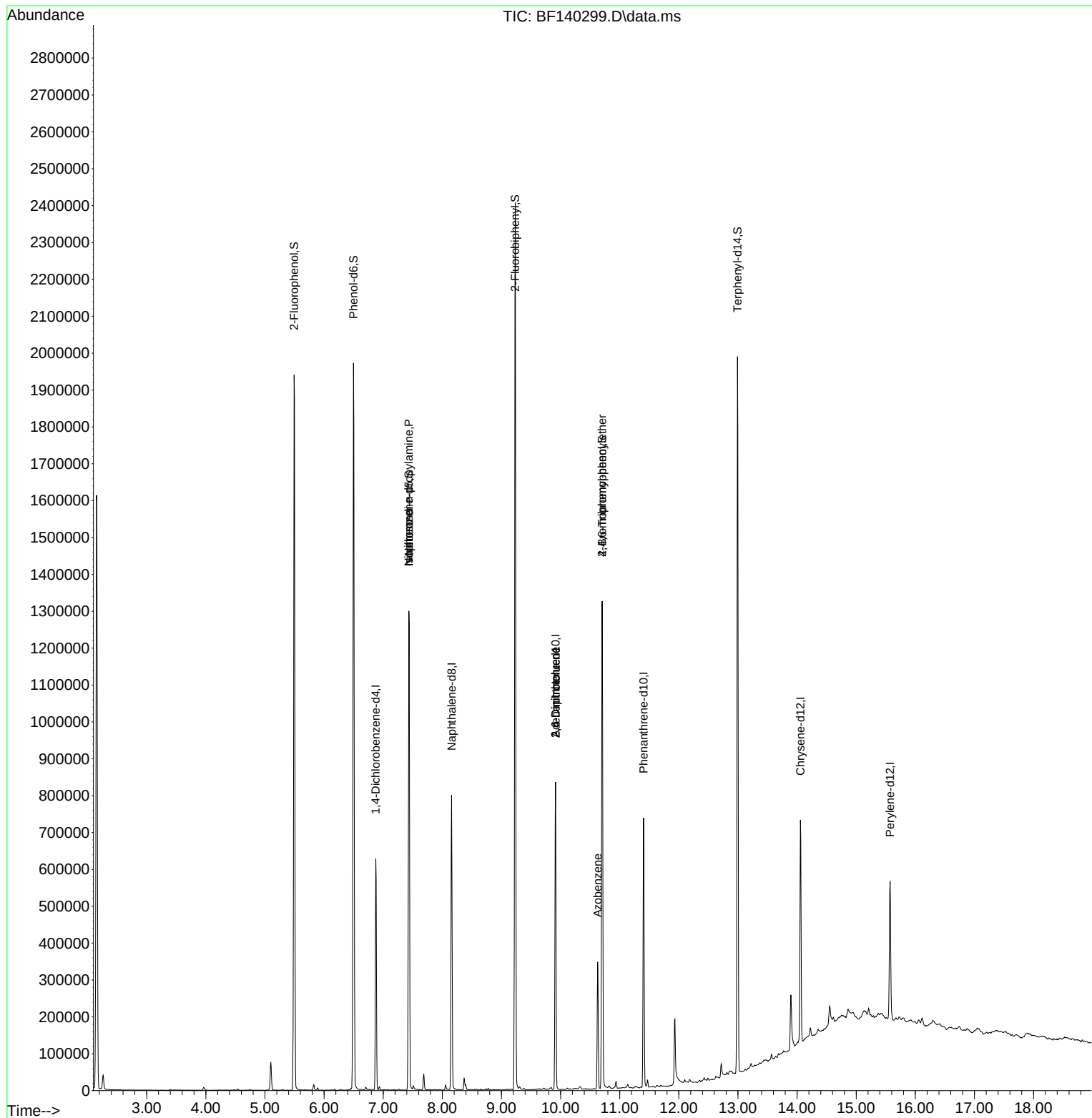
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 126400   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 480686   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 253851   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 386774   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 299224   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.574 | 264  | 236503   | 20.000 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 722164   | 94.682 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 922388   | 94.020 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 587786   | 60.796 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 227803   | 90.788 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1060204  | 66.690 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 977931   | 53.538 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 80575    | 12.874 | ng    | # 75     |
| 25) Isophorone                | 7.434  | 82   | 582175   | 34.971 | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 33128    | 9.015  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 33128    | 6.947  | ng    | # 19     |
| 63) Azobenzene                | 10.627 | 77   | 85952    | 5.337  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 14660    | 3.520  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

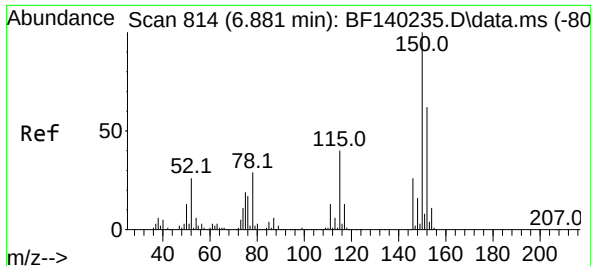
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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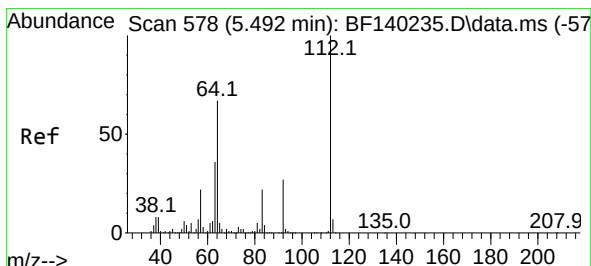
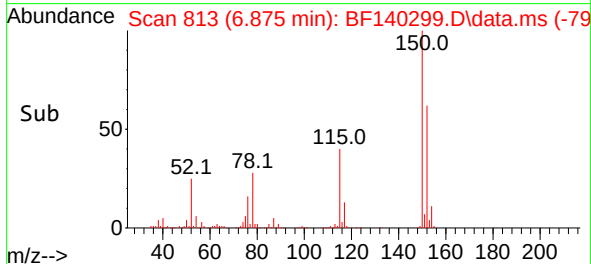
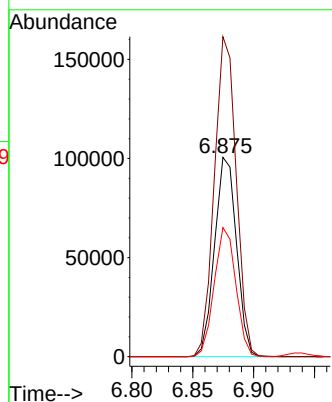
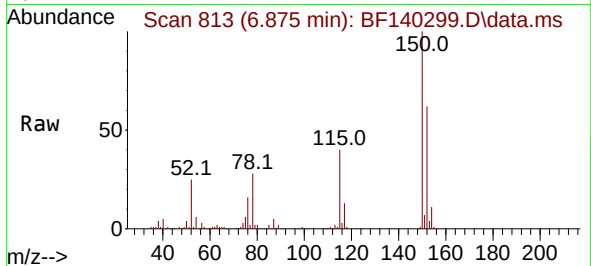




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

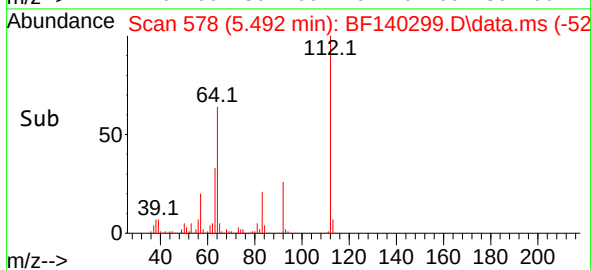
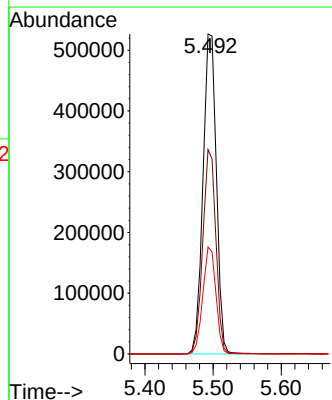
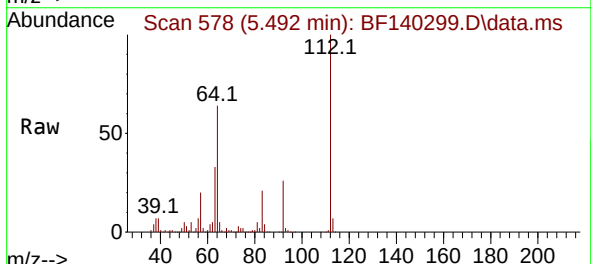
Instrument :  
BNA\_F  
ClientSampleId :  
TP2

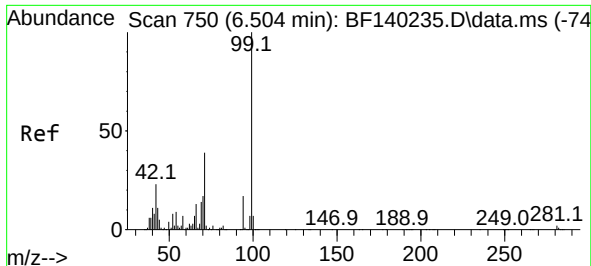
Tgt Ion:152 Resp: 126400  
Ion Ratio Lower Upper  
152 100  
150 160.5 129.4 194.2  
115 64.8 51.5 77.3



#5  
2-Fluorophenol  
Concen: 94.682 ng  
RT: 5.492 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Tgt Ion:112 Resp: 722164  
Ion Ratio Lower Upper  
112 100  
64 63.8 53.4 80.2  
63 33.4 28.9 43.3

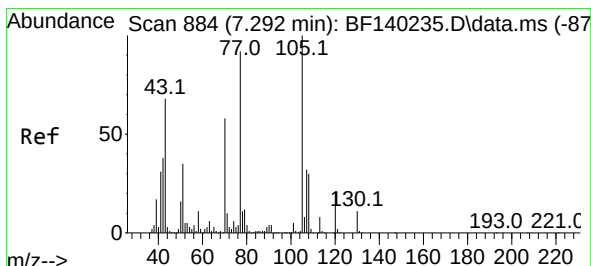
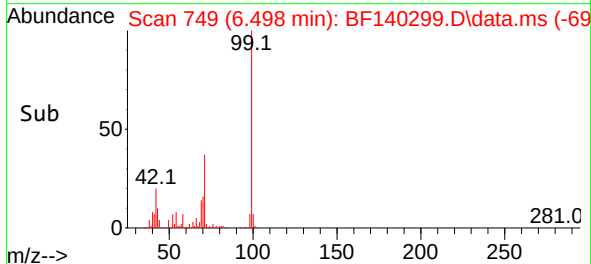
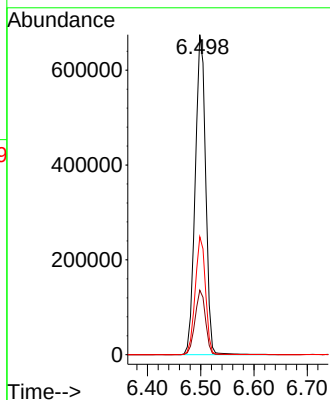
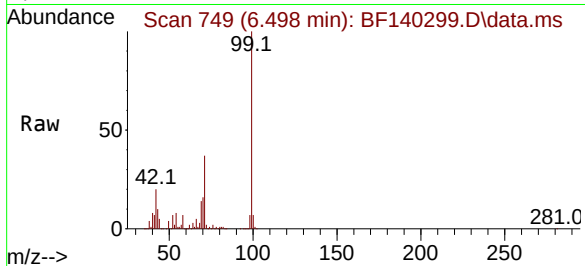




#7  
Phenol-d6  
Concen: 94.020 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

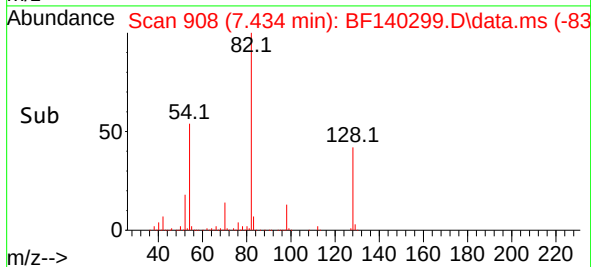
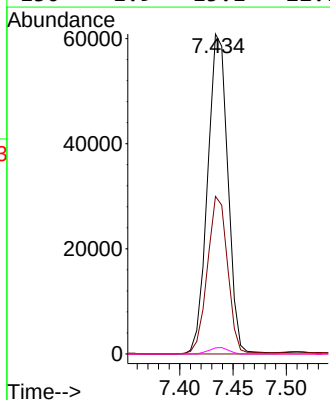
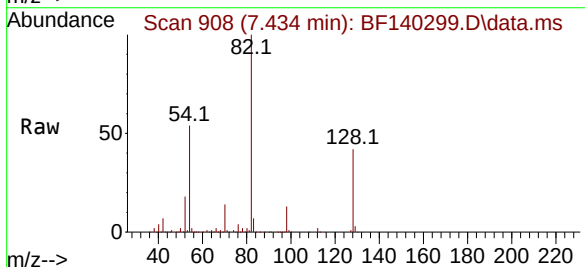
Instrument :  
BNA\_F  
ClientSampleId :  
TP2

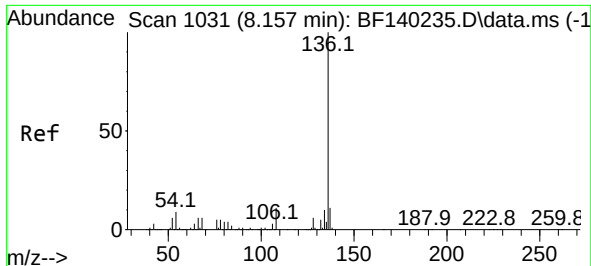
Tgt Ion: 99 Resp: 922388  
Ion Ratio Lower Upper  
99 100  
42 20.1 18.2 27.2  
71 36.9 30.9 46.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.874 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Tgt Ion: 70 Resp: 80575  
Ion Ratio Lower Upper  
70 100  
42 49.3 52.8 79.2#  
101 0.0 7.4 11.2#  
130 1.9 15.1 22.7#



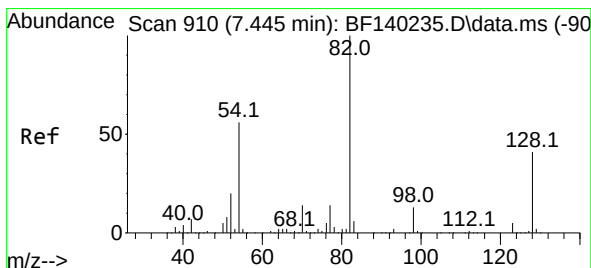
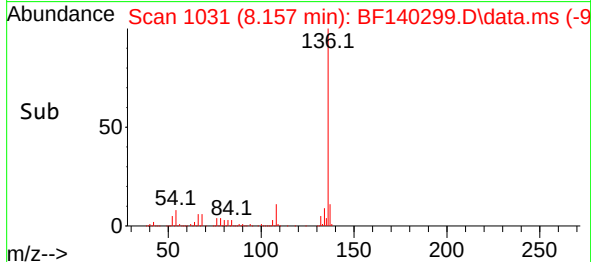
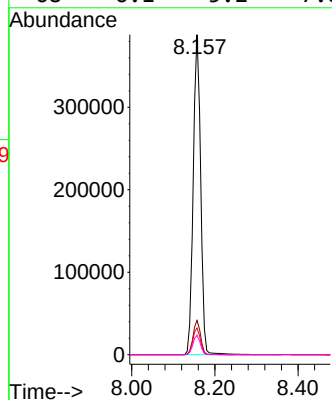
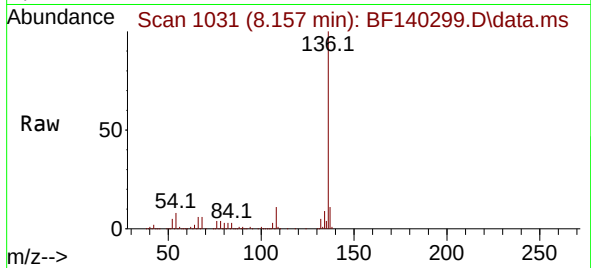


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP2

Tgt Ion:136 Resp: 480686

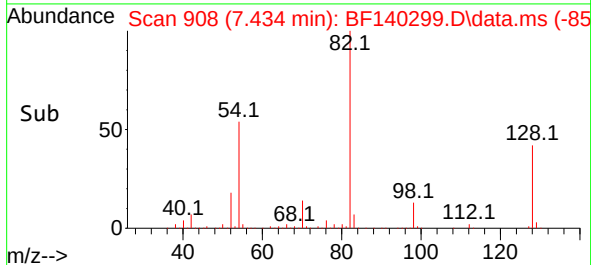
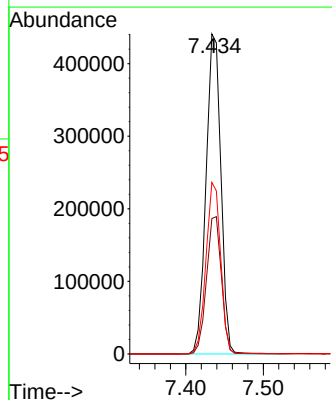
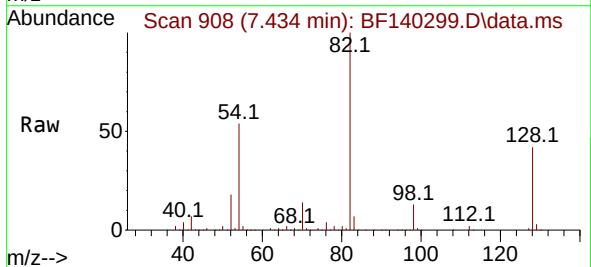
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 9.0   | 13.6  |
| 54  | 8.3   | 7.7   | 11.5  |
| 68  | 6.1   | 5.2   | 7.8   |

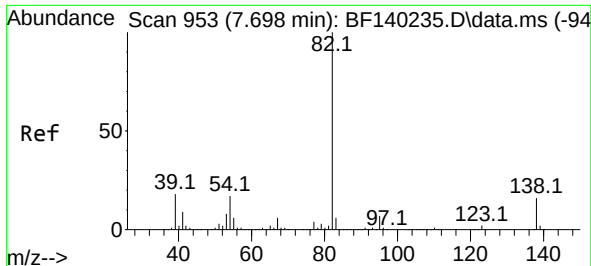


#23  
Nitrobenzene-d5  
Concen: 60.796 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.012 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Tgt Ion: 82 Resp: 587786

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.4  | 32.8  | 49.2  |
| 54  | 53.6  | 44.3  | 66.5  |

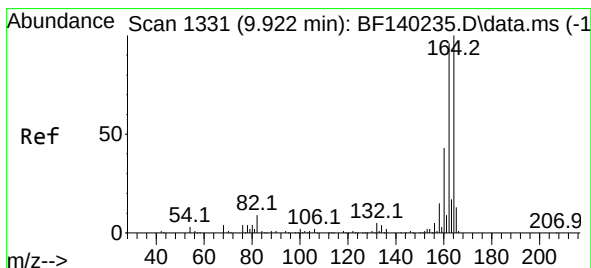
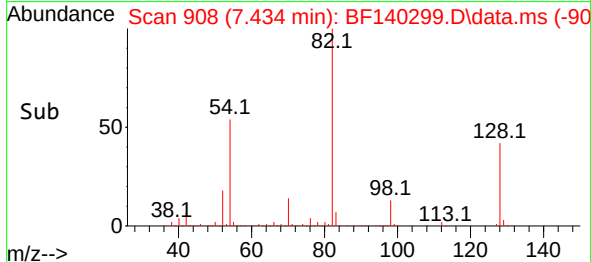
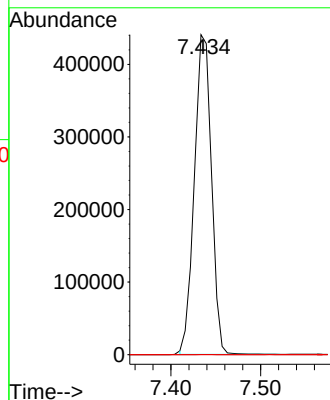
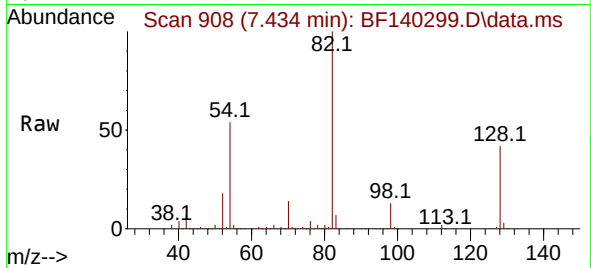




#25  
Isophorone  
Concen: 34.971 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

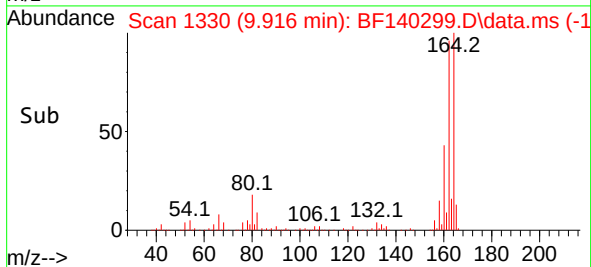
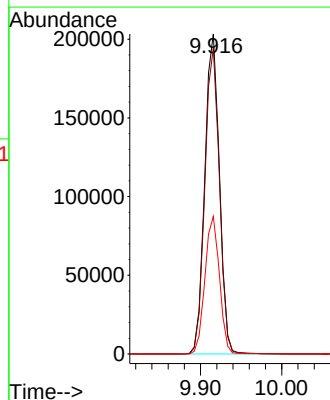
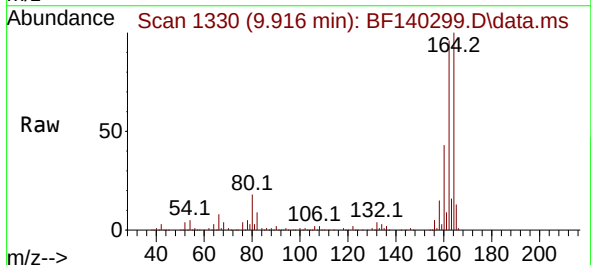
Instrument :  
BNA\_F  
ClientSampleId :  
TP2

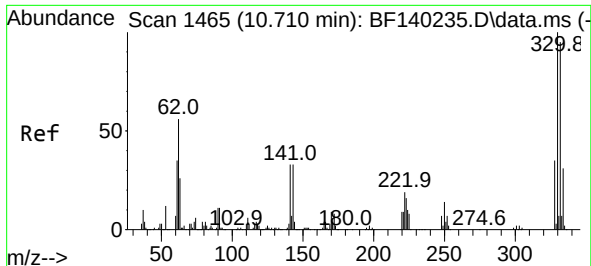
Tgt Ion: 82 Resp: 582175  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 12.9 19.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. -0.006 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Tgt Ion:164 Resp: 253851  
Ion Ratio Lower Upper  
164 100  
162 95.6 77.0 115.4  
160 43.0 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 90.788 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140299.D

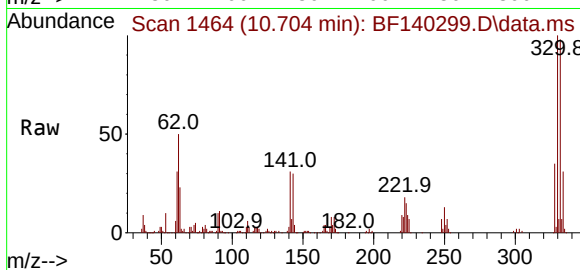
Acq: 08 Nov 2024 15:24

Instrument :

BNA\_F

ClientSampleId :

TP2



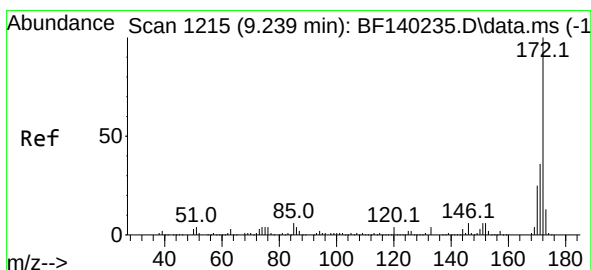
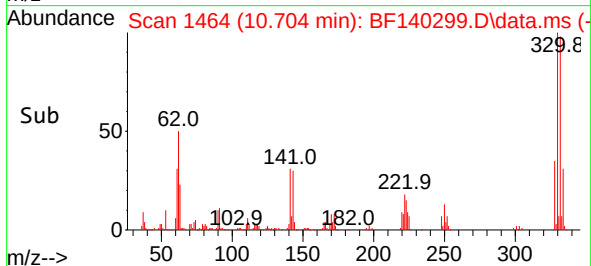
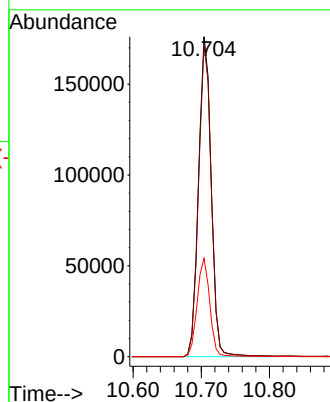
Tgt Ion:330 Resp: 227803

Ion Ratio Lower Upper

330 100

332 97.2 76.4 114.6

141 30.5 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 66.690 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140299.D

Acq: 08 Nov 2024 15:24

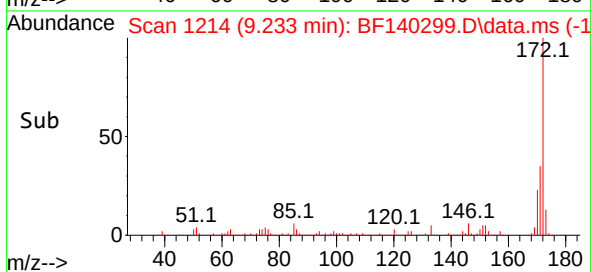
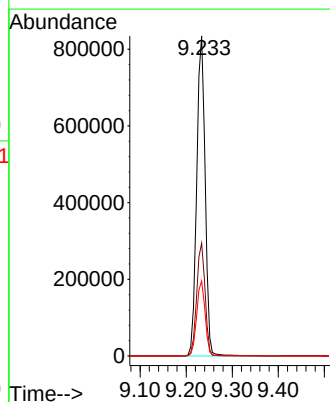
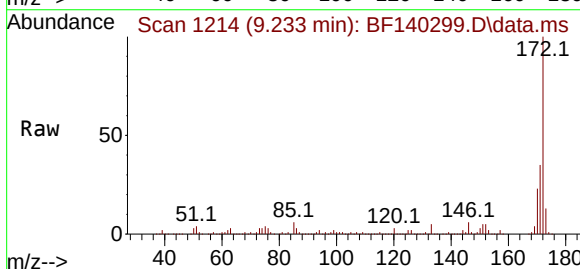
Tgt Ion:172 Resp: 1060204

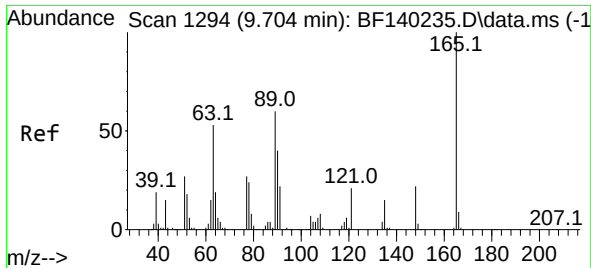
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.4 19.6 29.4

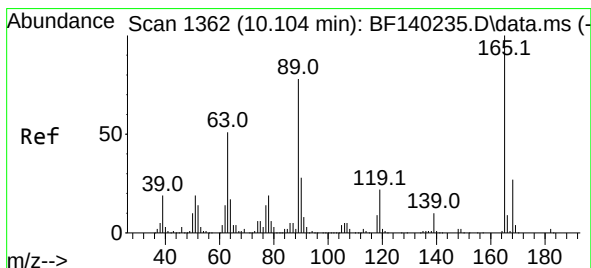
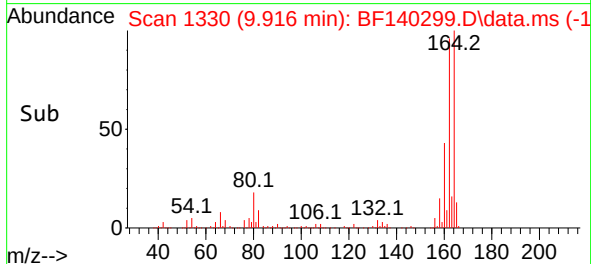
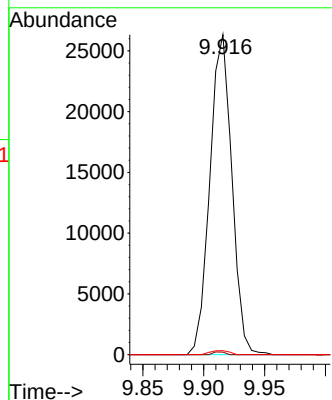
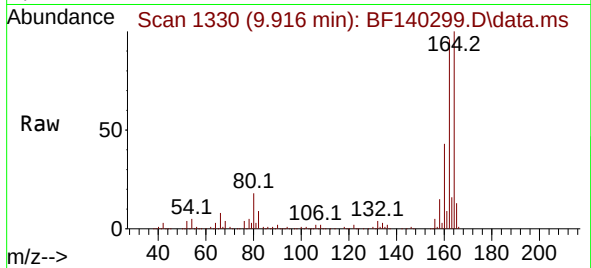




#51  
2,6-Dinitrotoluene  
Concen: 9.015 ng  
RT: 9.916 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

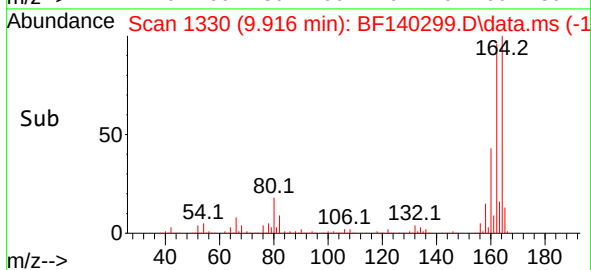
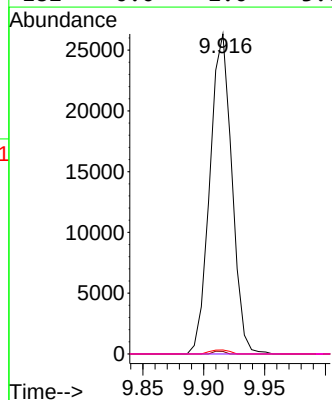
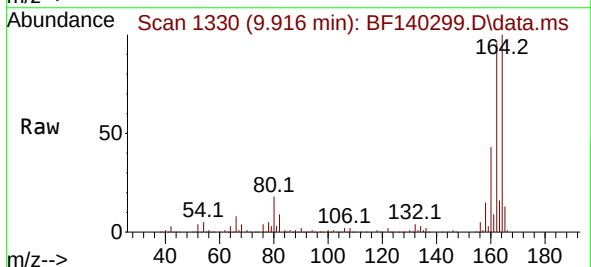
Instrument :  
BNA\_F  
ClientSampleId :  
TP2

Tgt Ion:165 Resp: 33128  
Ion Ratio Lower Upper  
165 100  
63 0.8 48.8 73.2#  
89 1.2 48.1 72.1#

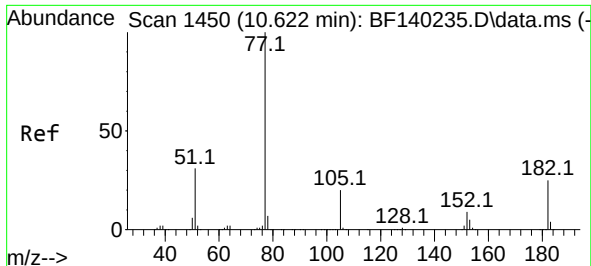


#57  
2,4-Dinitrotoluene  
Concen: 6.947 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. -0.188 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Tgt Ion:165 Resp: 33128  
Ion Ratio Lower Upper  
165 100  
63 0.8 41.3 61.9#  
89 1.2 62.6 94.0#  
182 0.0 2.0 3.0#



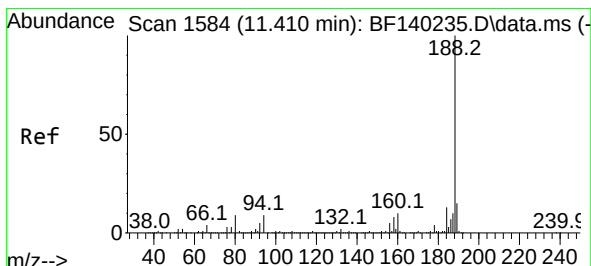
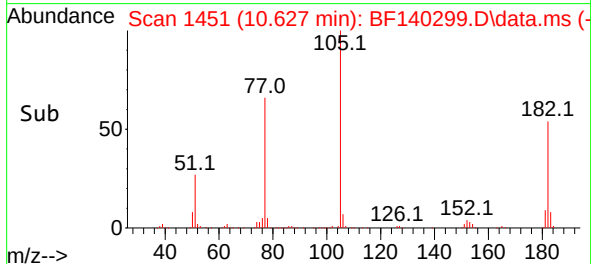
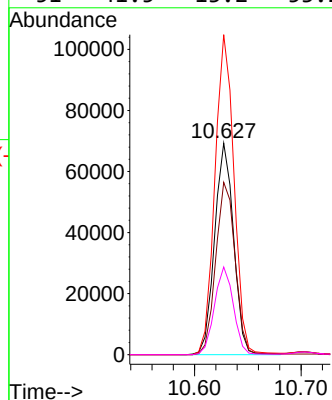
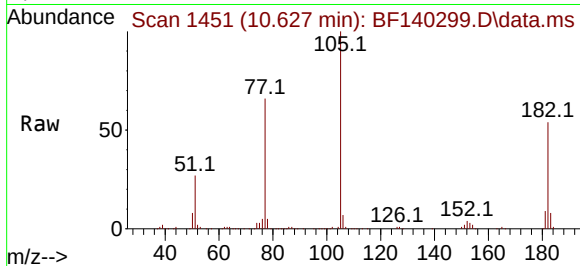




#63  
Azobenzene  
Concen: 5.337 ng  
RT: 10.627 min Scan# 1450  
Delta R.T. 0.006 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

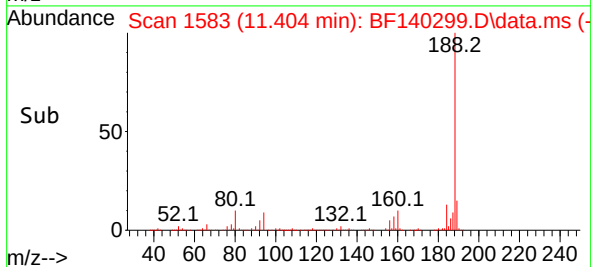
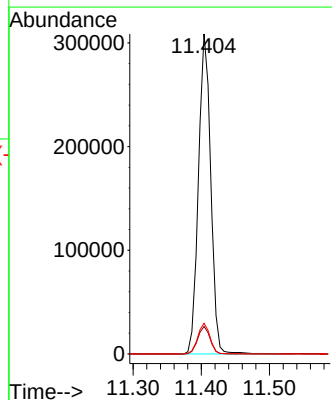
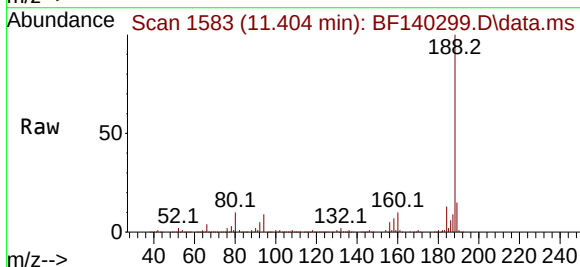
Instrument :  
BNA\_F  
ClientSampleId :  
TP2

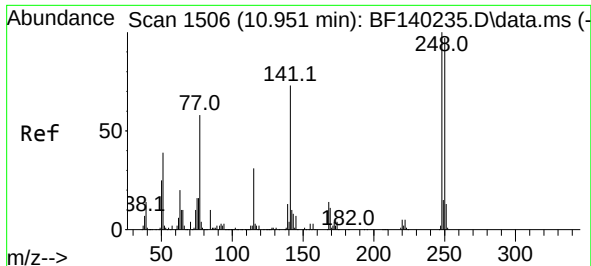
|             |                 |
|-------------|-----------------|
| Tgt Ion: 77 | Resp: 85952     |
| Ion Ratio   | Lower Upper     |
| 77          | 100             |
| 182         | 81.5 4.7 44.7#  |
| 105         | 151.3 0.0 40.0# |
| 51          | 41.5 13.2 53.2  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 386774 |
| Ion Ratio    | Lower Upper  |
| 188          | 100          |
| 94           | 8.6 6.9 10.3 |
| 80           | 9.6 7.5 11.3 |

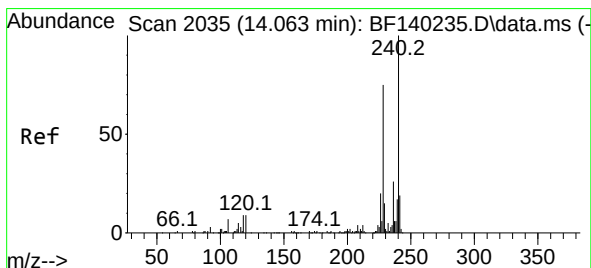
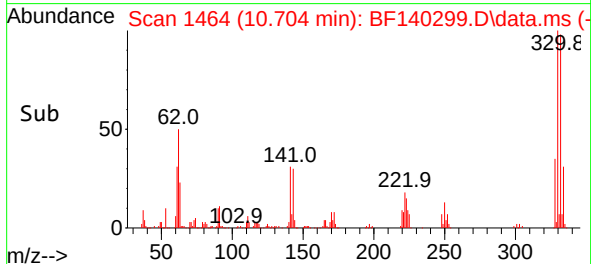
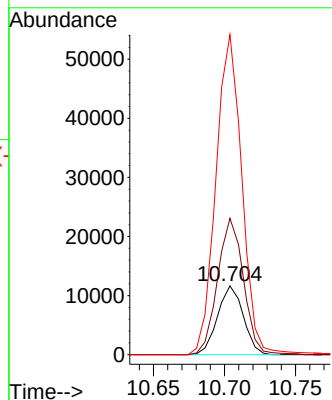
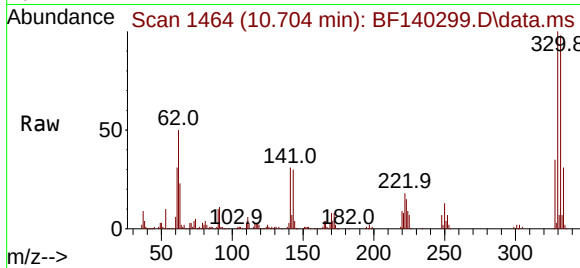




#67  
4-Bromophenyl-phenylether  
Concen: 3.520 ng  
RT: 10.704 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF140299.D  
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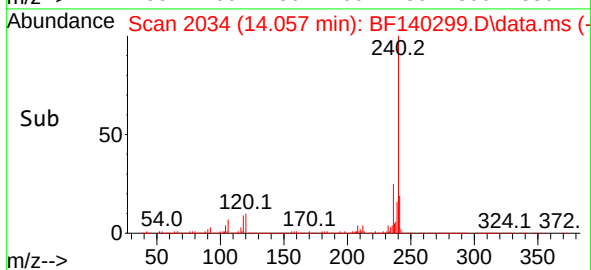
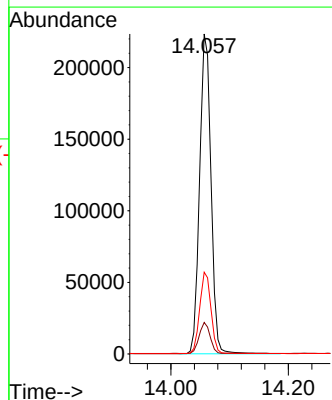
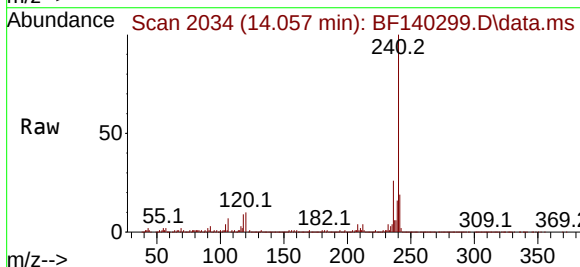
Instrument :  
BNA\_F  
ClientSampleId :  
TP2

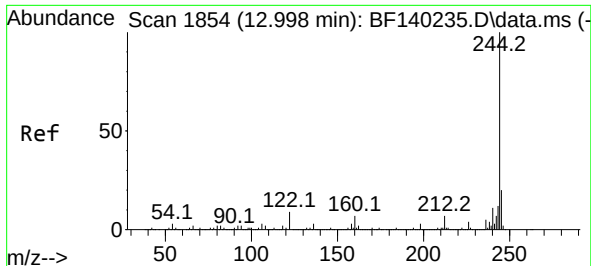
Tgt Ion:248 Resp: 14660  
Ion Ratio Lower Upper  
248 100  
250 198.4 77.9 116.9#  
141 465.6 58.6 88.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF140299.D  
Acq: 08 Nov 2024 15:24

Tgt Ion:240 Resp: 299224  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.5 11.3  
236 25.5 20.9 31.3

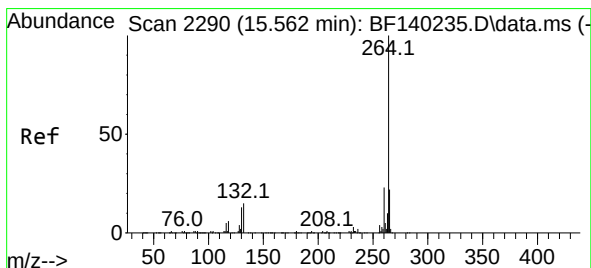
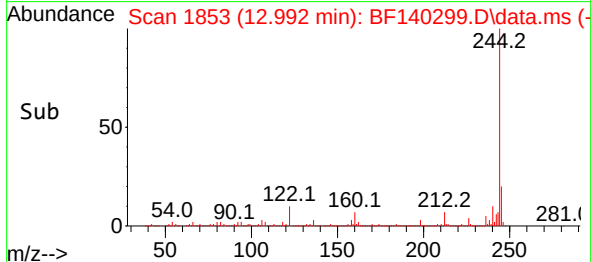
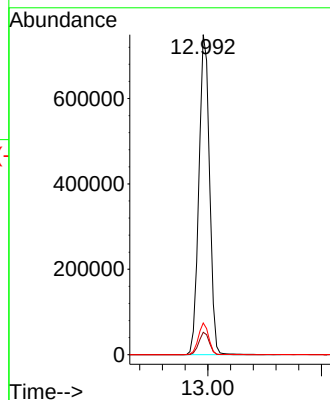
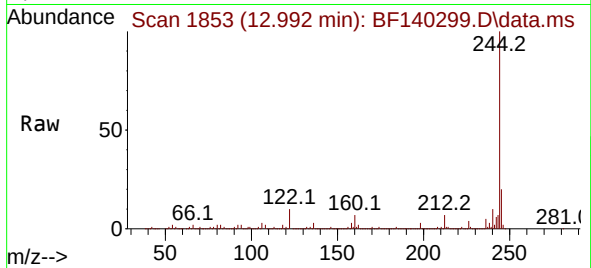




#79  
 Terphenyl-d14  
 Concen: 53.538 ng  
 RT: 12.992 min Scan# 1853  
 Delta R.T. -0.006 min  
 Lab File: BF140299.D  
 Acq: 08 Nov 2024 15:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP2

Tgt Ion:244 Resp: 977931  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.0 9.0  
 122 9.9 7.6 11.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.574 min Scan# 2292  
 Delta R.T. 0.012 min  
 Lab File: BF140299.D  
 Acq: 08 Nov 2024 15:24

Tgt Ion:264 Resp: 236503  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.8 28.2  
 265 21.1 17.3 25.9

