

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110724\  
 Data File : BF140269.D  
 Acq On : 07 Nov 2024 12:40  
 Operator : RC/JU  
 Sample : P4697-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: Nov 07 13:33:53 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

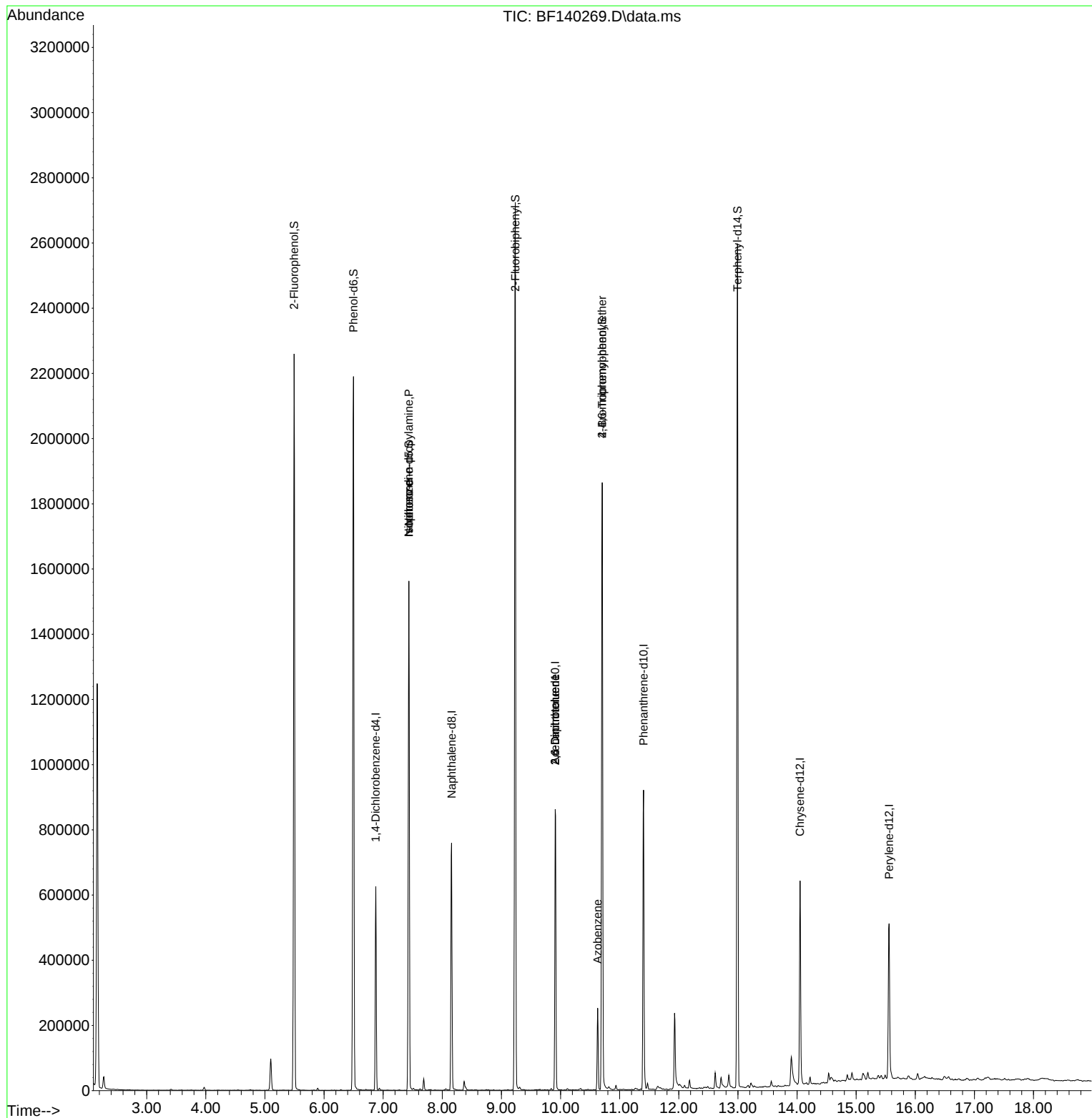
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 123710   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 471834   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 271556   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 492226   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 289097   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.557 | 264  | 294829   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 814365   | 109.092 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 1040960  | 108.413 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 688286   | 72.526  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 316508   | 117.916 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 1228021  | 72.210  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1279816  | 72.519  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 93886    | 15.327  | ng    | # 76     |
| 25) Isophorone                | 7.434  | 82   | 678612   | 41.529  | ng    | # 67     |
| 51) 2,6-Dinitrotoluene        | 9.910  | 165  | 34820    | 8.857   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 34820    | 6.826   | ng    | # 19     |
| 63) Azobenzene                | 10.628 | 77   | 62854    | 3.648   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 21009    | 3.964   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

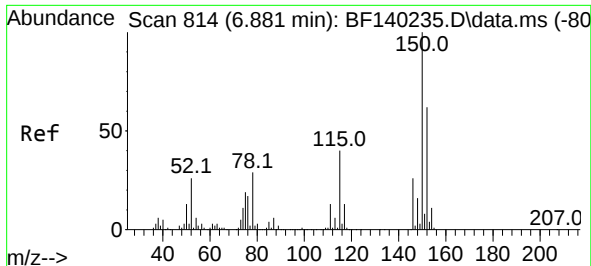
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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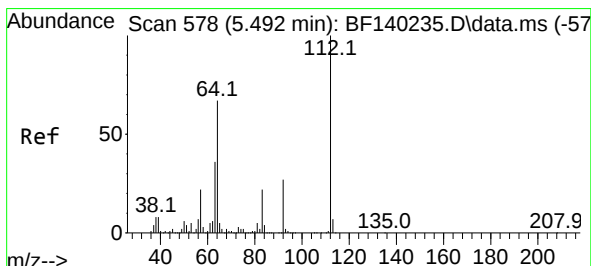
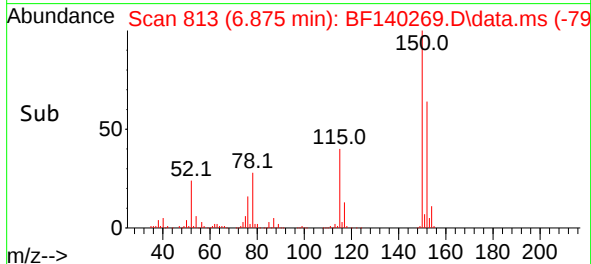
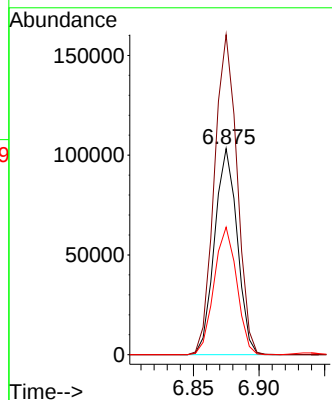
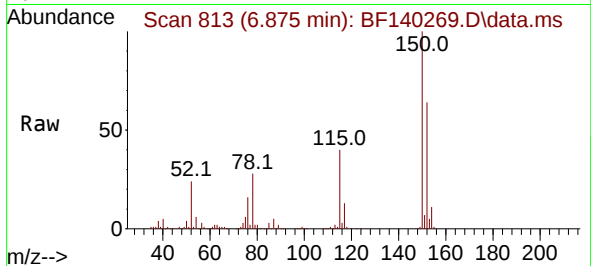




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

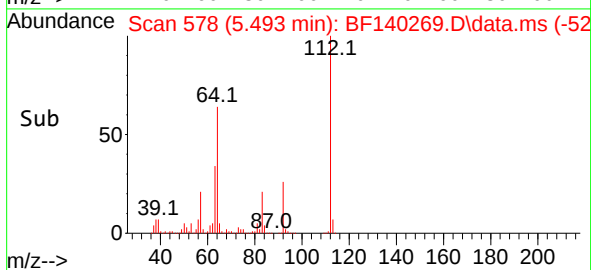
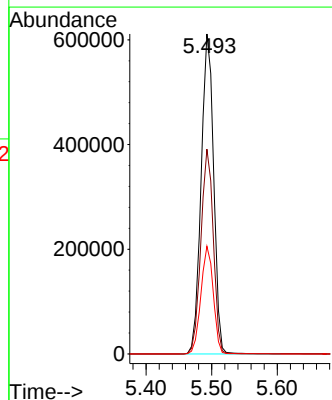
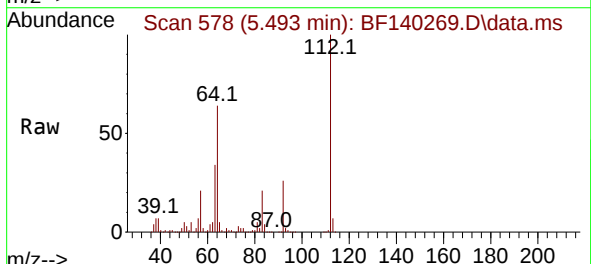
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

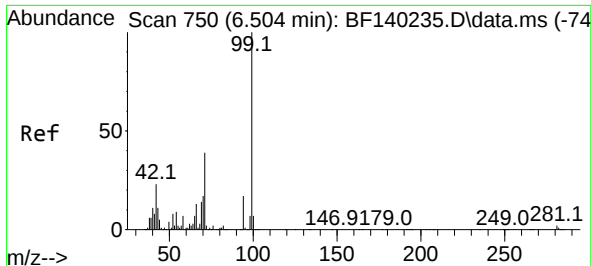
Tgt Ion:152 Resp: 123710  
Ion Ratio Lower Upper  
152 100  
150 155.3 129.4 194.2  
115 61.9 51.5 77.3



#5  
2-Fluorophenol  
Concen: 109.092 ng  
RT: 5.493 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Tgt Ion:112 Resp: 814365  
Ion Ratio Lower Upper  
112 100  
64 64.0 53.4 80.2  
63 33.6 28.9 43.3



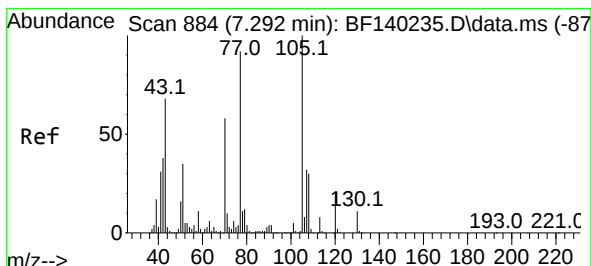
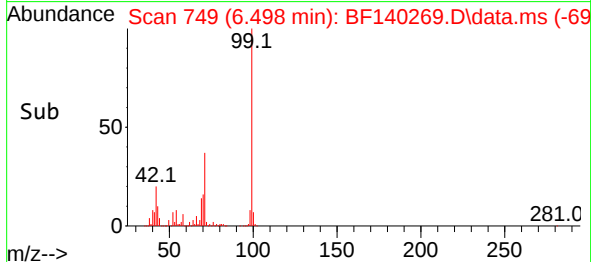
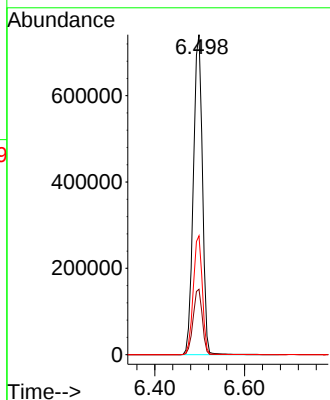
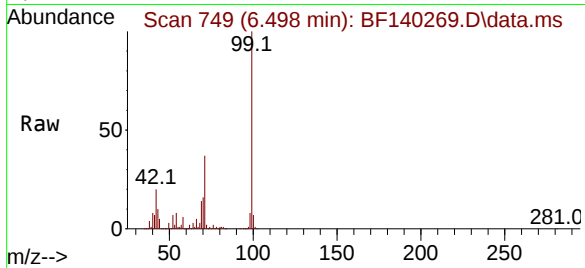


#7  
Phenol-d6  
Concen: 108.413 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Instrument :  
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ClientSampleId :  
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Tgt Ion: 99 Resp: 1040960

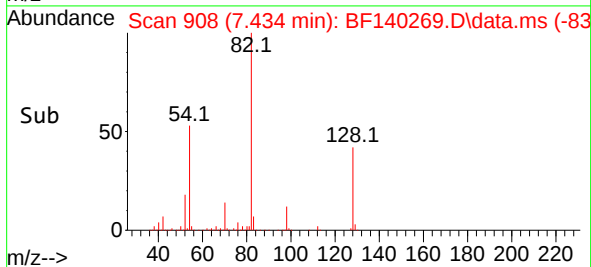
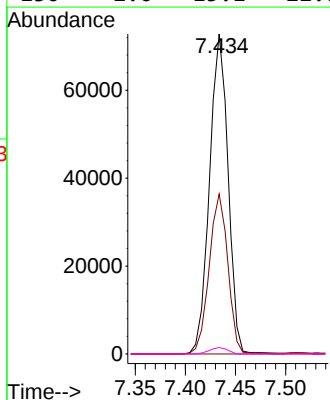
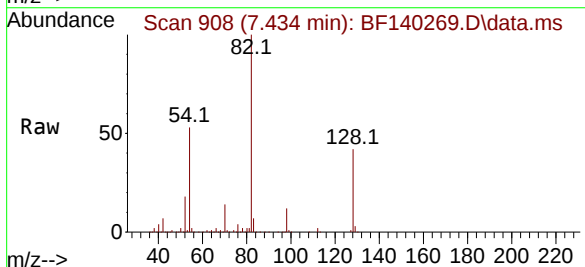
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.5  | 18.2  | 27.2  |
| 71  | 37.1  | 30.9  | 46.3  |

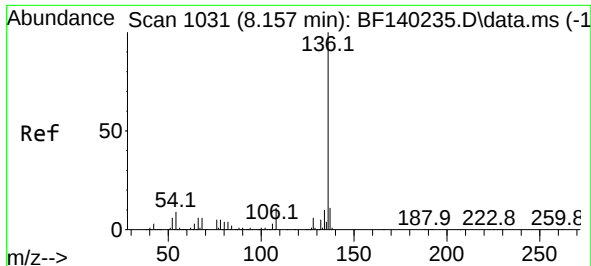


#19  
n-Nitroso-di-n-propylamine  
Concen: 15.327 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.141 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Tgt Ion: 70 Resp: 93886

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 50.0  | 52.8  | 79.2# |
| 101 | 0.0   | 7.4   | 11.2# |
| 130 | 2.0   | 15.1  | 22.7# |



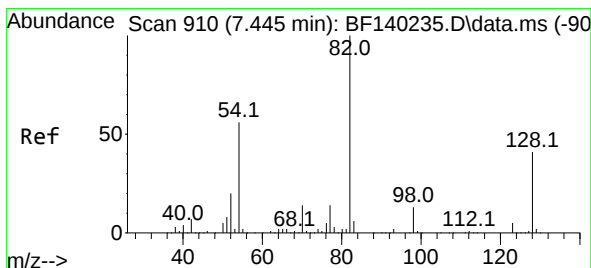
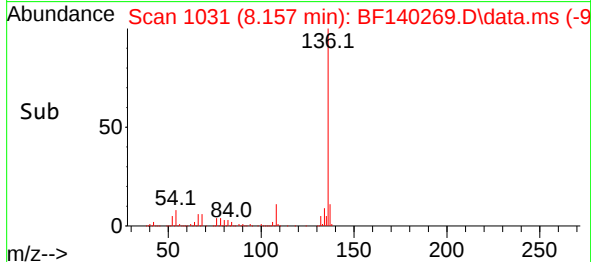
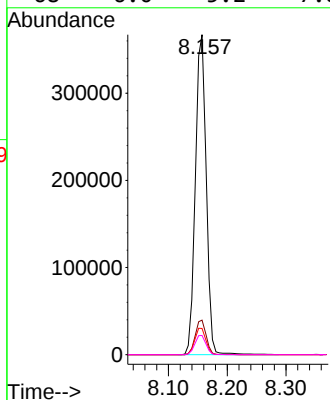
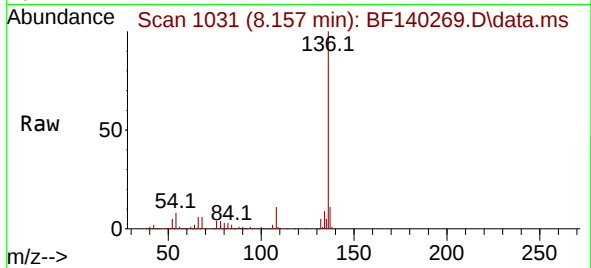


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Instrument :  
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Tgt Ion:136 Resp: 471834

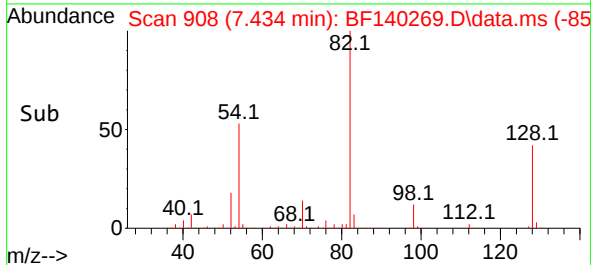
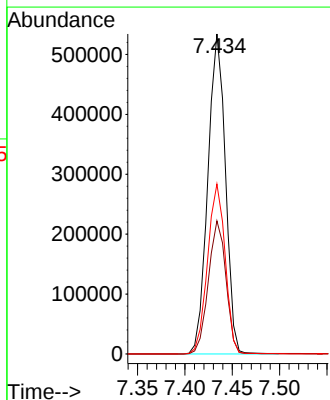
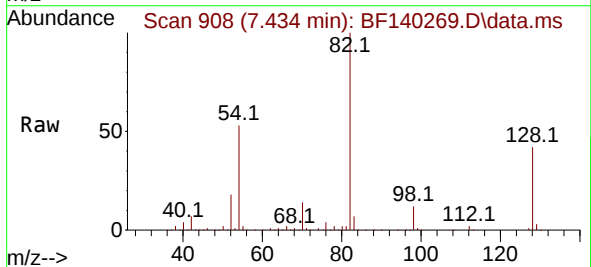
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.0   | 13.6  |
| 54  | 8.2   | 7.7   | 11.5  |
| 68  | 6.0   | 5.2   | 7.8   |

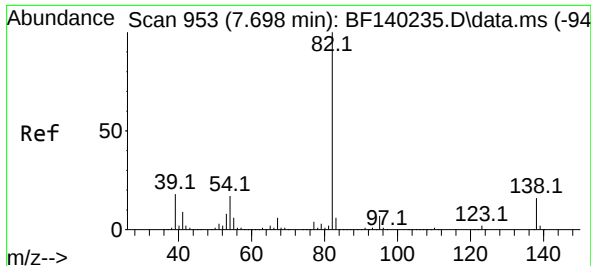


#23  
Nitrobenzene-d5  
Concen: 72.526 ng  
RT: 7.434 min Scan# 908  
Delta R.T. -0.012 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Tgt Ion: 82 Resp: 688286

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.6  | 32.8  | 49.2  |
| 54  | 53.1  | 44.3  | 66.5  |

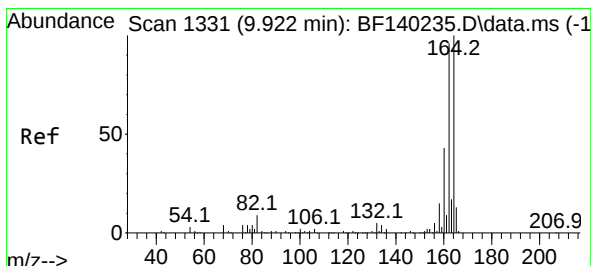
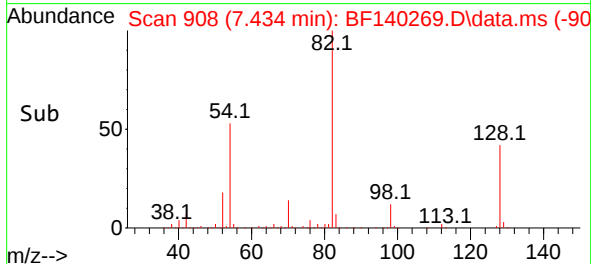
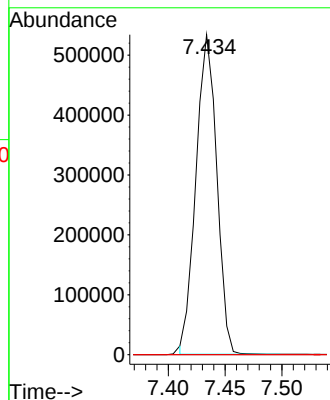
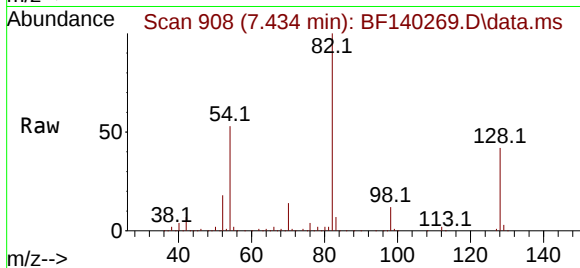




#25  
Isophorone  
Concen: 41.529 ng  
RT: 7.434 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

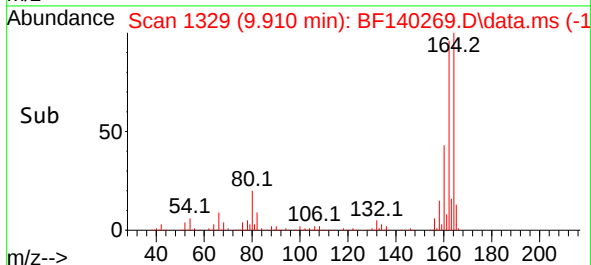
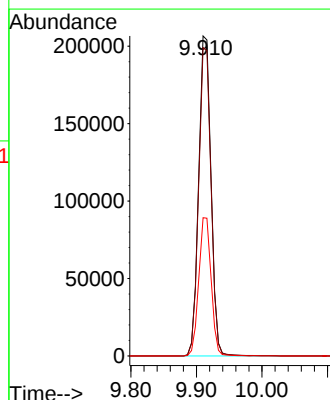
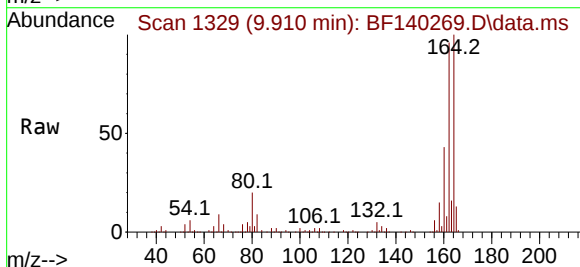
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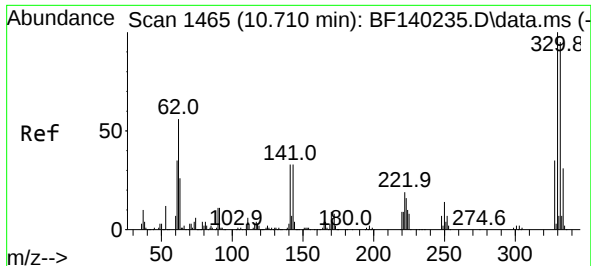
Tgt Ion: 82 Resp: 678612  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 12.9 19.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.012 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Tgt Ion: 164 Resp: 271556  
Ion Ratio Lower Upper  
164 100  
162 96.3 77.0 115.4  
160 43.2 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 117.916 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140269.D

Acq: 07 Nov 2024 12:40

Instrument :

BNA\_F

ClientSampleId :

TP-1

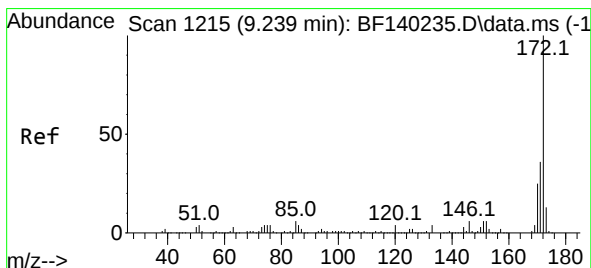
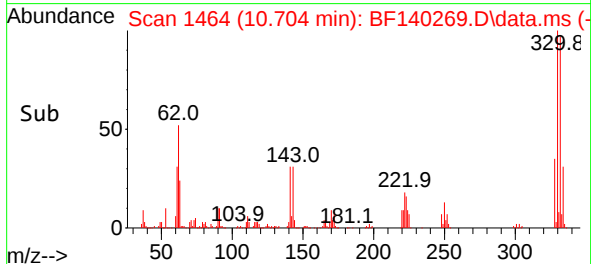
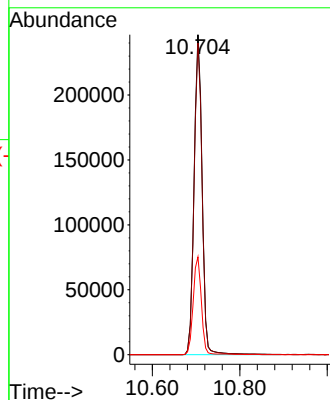
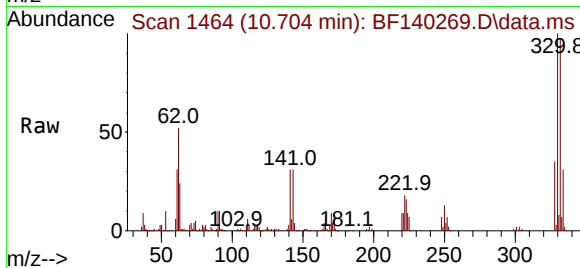
Tgt Ion:330 Resp: 316508

Ion Ratio Lower Upper

330 100

332 97.5 76.4 114.6

141 31.0 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 72.210 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140269.D

Acq: 07 Nov 2024 12:40

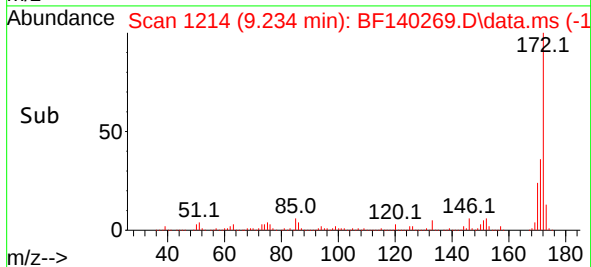
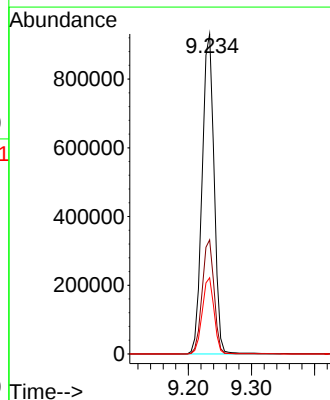
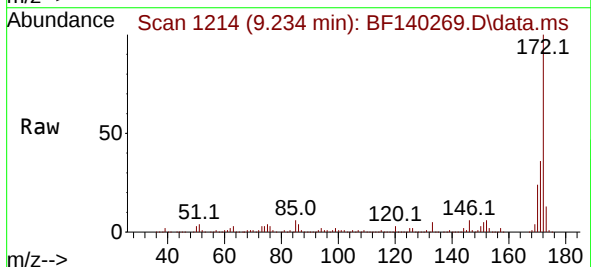
Tgt Ion:172 Resp: 1228021

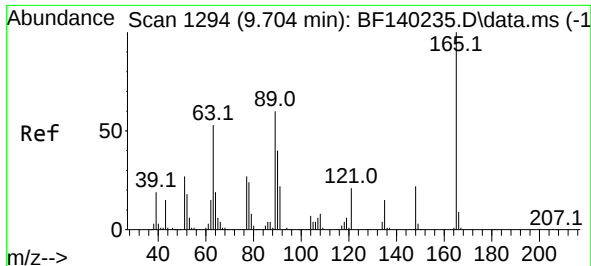
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.8 19.6 29.4

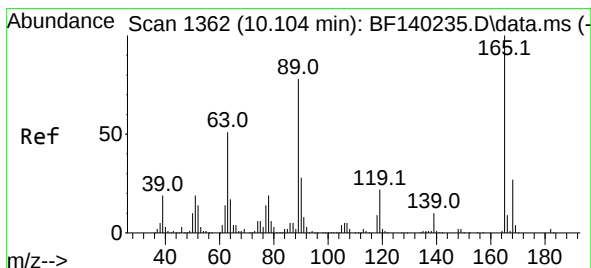
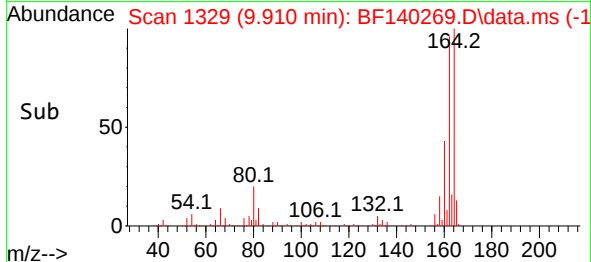
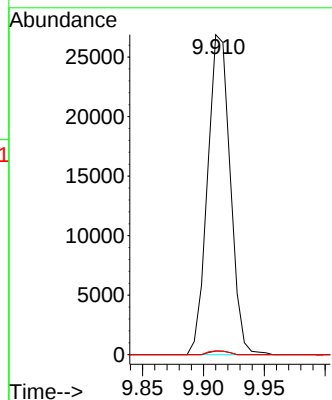
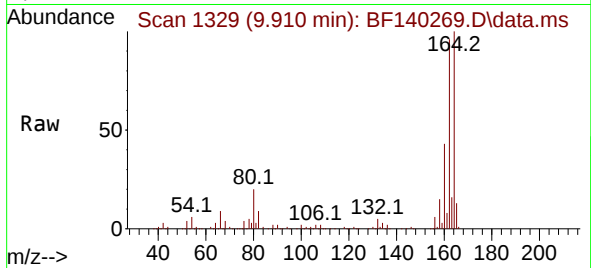




#51  
2,6-Dinitrotoluene  
Concen: 8.857 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. 0.206 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

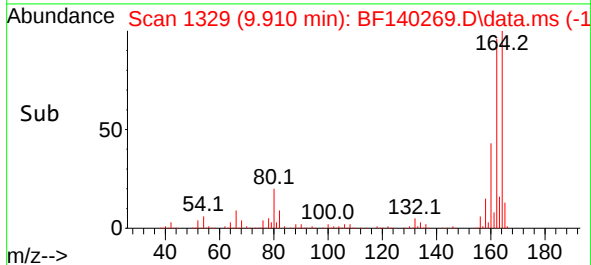
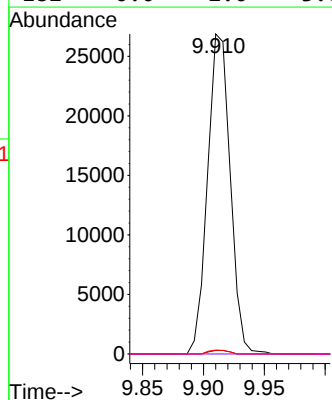
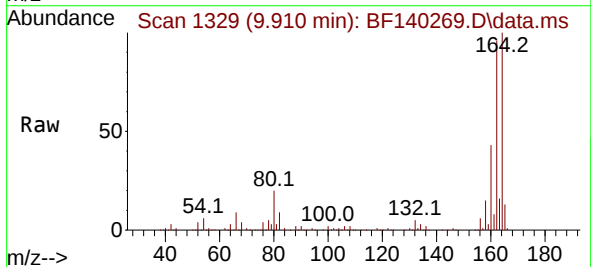
Instrument :  
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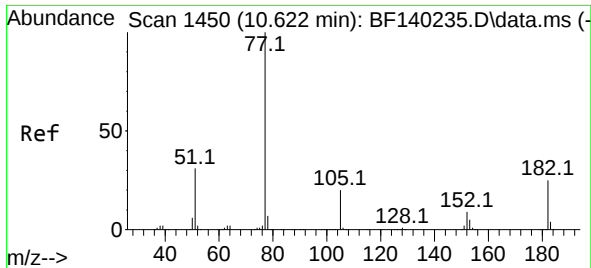
Tgt Ion:165 Resp: 34820  
Ion Ratio Lower Upper  
165 100  
63 1.1 48.8 73.2#  
89 1.2 48.1 72.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.826 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.194 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Tgt Ion:165 Resp: 34820  
Ion Ratio Lower Upper  
165 100  
63 1.1 41.3 61.9#  
89 1.2 62.6 94.0#  
182 0.0 2.0 3.0#

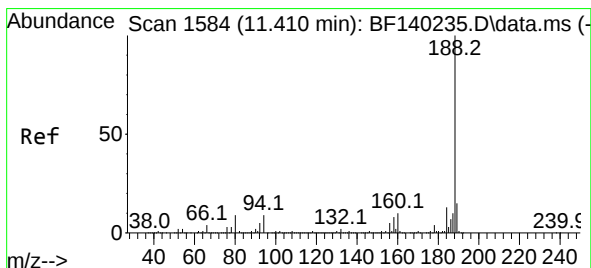
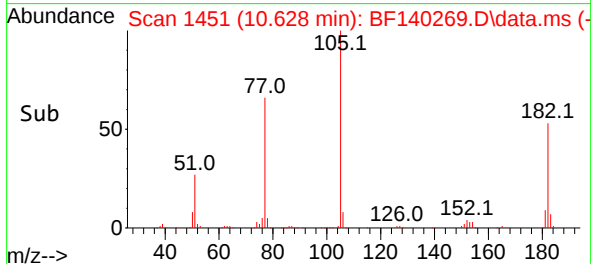
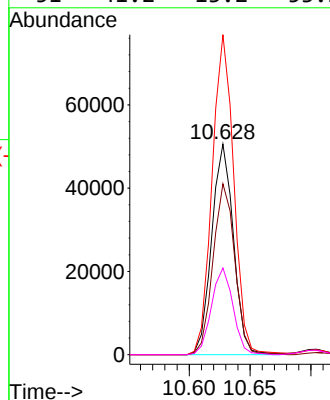
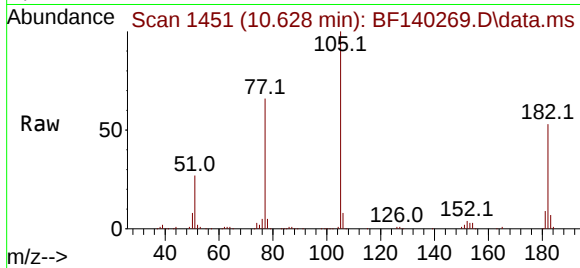




#63  
Azobenzene  
Concen: 3.648 ng  
RT: 10.628 min Scan# 1450  
Delta R.T. 0.006 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

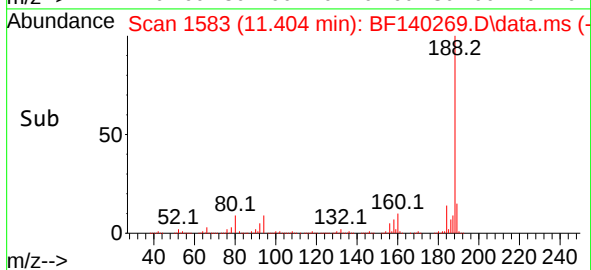
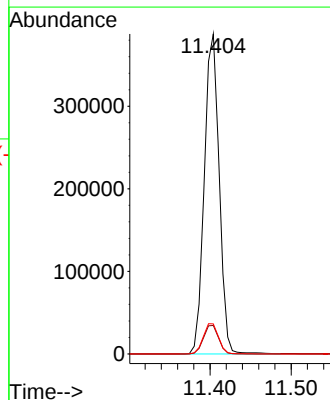
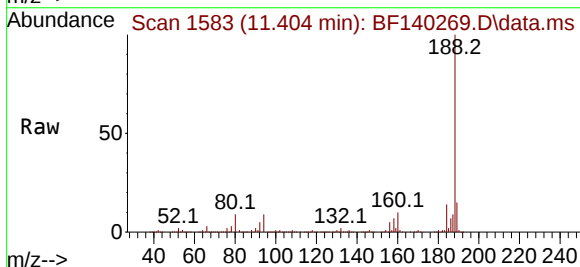
Instrument :  
BNA\_F  
ClientSampleId :  
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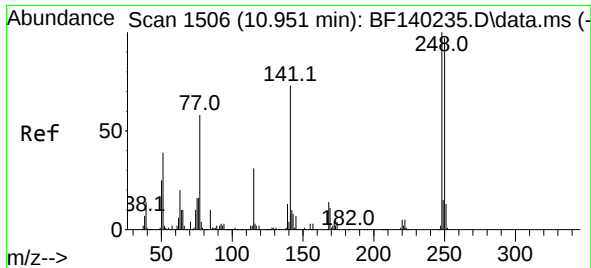
|             |                 |
|-------------|-----------------|
| Tgt Ion: 77 | Resp: 62854     |
| Ion Ratio   | Lower Upper     |
| 77          | 100             |
| 182         | 81.2 4.7 44.7#  |
| 105         | 151.9 0.0 40.0# |
| 51          | 41.2 13.2 53.2  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 492226 |
| Ion Ratio    | Lower Upper  |
| 188          | 100          |
| 94           | 8.9 6.9 10.3 |
| 80           | 9.4 7.5 11.3 |

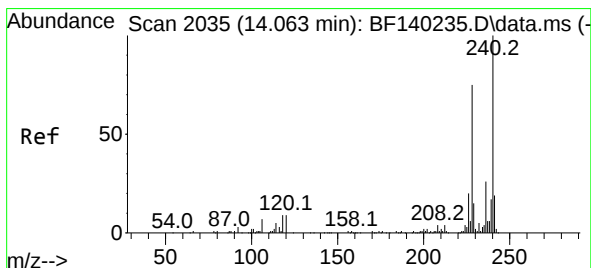
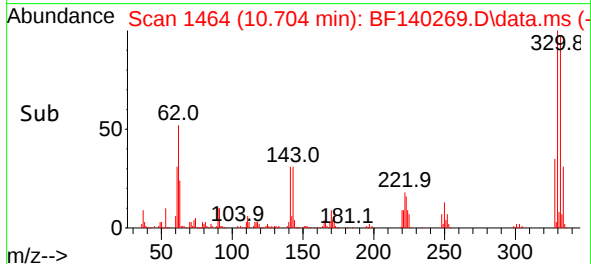
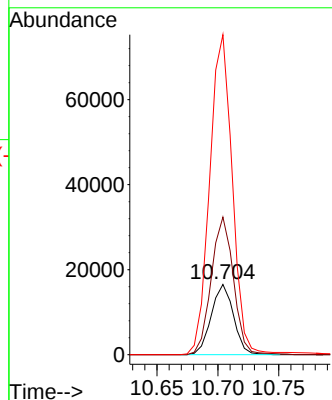
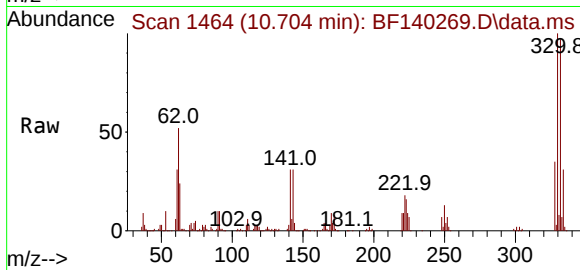




#67  
4-Bromophenyl-phenylether  
Concen: 3.964 ng  
RT: 10.704 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

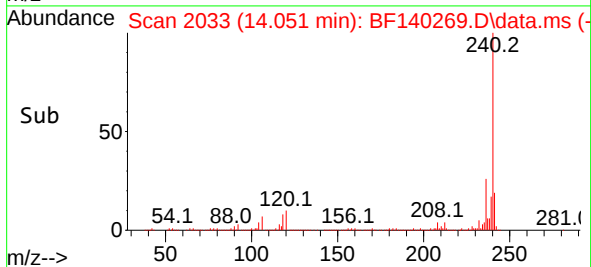
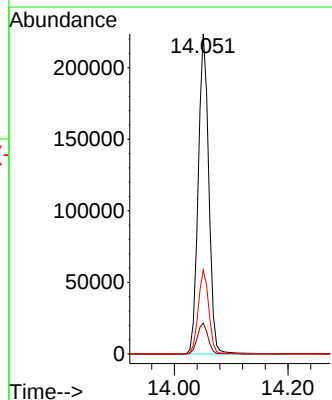
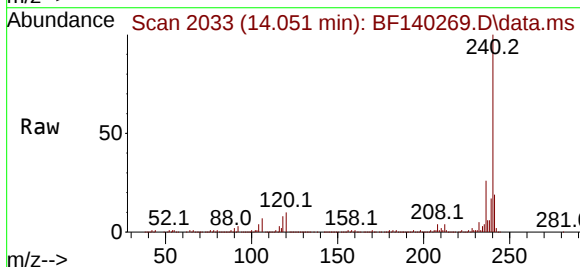
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

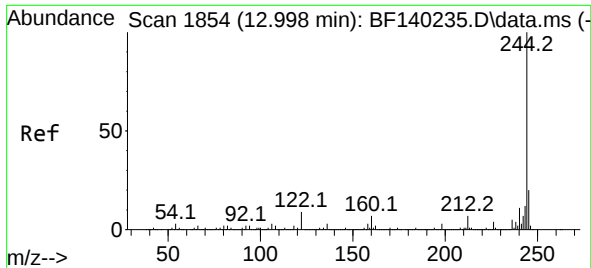
Tgt Ion:248 Resp: 21009  
Ion Ratio Lower Upper  
248 100  
250 195.8 77.9 116.9#  
141 455.5 58.6 88.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.012 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

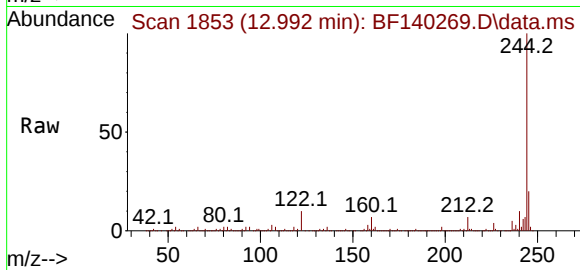
Tgt Ion:240 Resp: 289097  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.5 11.3  
236 26.3 20.9 31.3



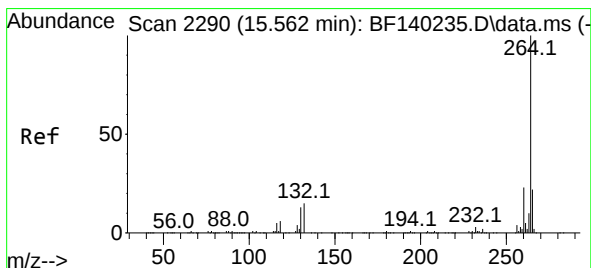
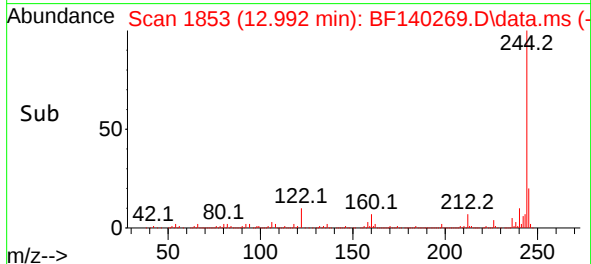
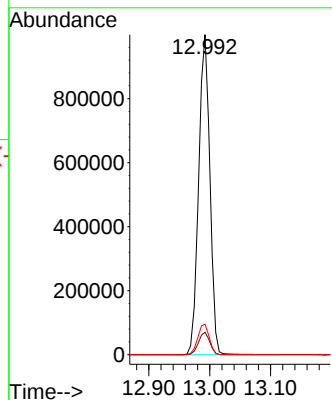


#79  
Terphenyl-d14  
Concen: 72.519 ng  
RT: 12.992 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1



Tgt Ion:244 Resp: 1279816  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 9.6 7.6 11.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 2289  
Delta R.T. -0.006 min  
Lab File: BF140269.D  
Acq: 07 Nov 2024 12:40

Tgt Ion:264 Resp: 294829  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.8 28.2  
265 21.5 17.3 25.9

