

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050124\  
 Data File : BF137797.D  
 Acq On : 01 May 2024 17:53  
 Operator : CG\JU  
 Sample : P2306-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 01 18:27:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:25:08 2024  
 Response via : Initial Calibration

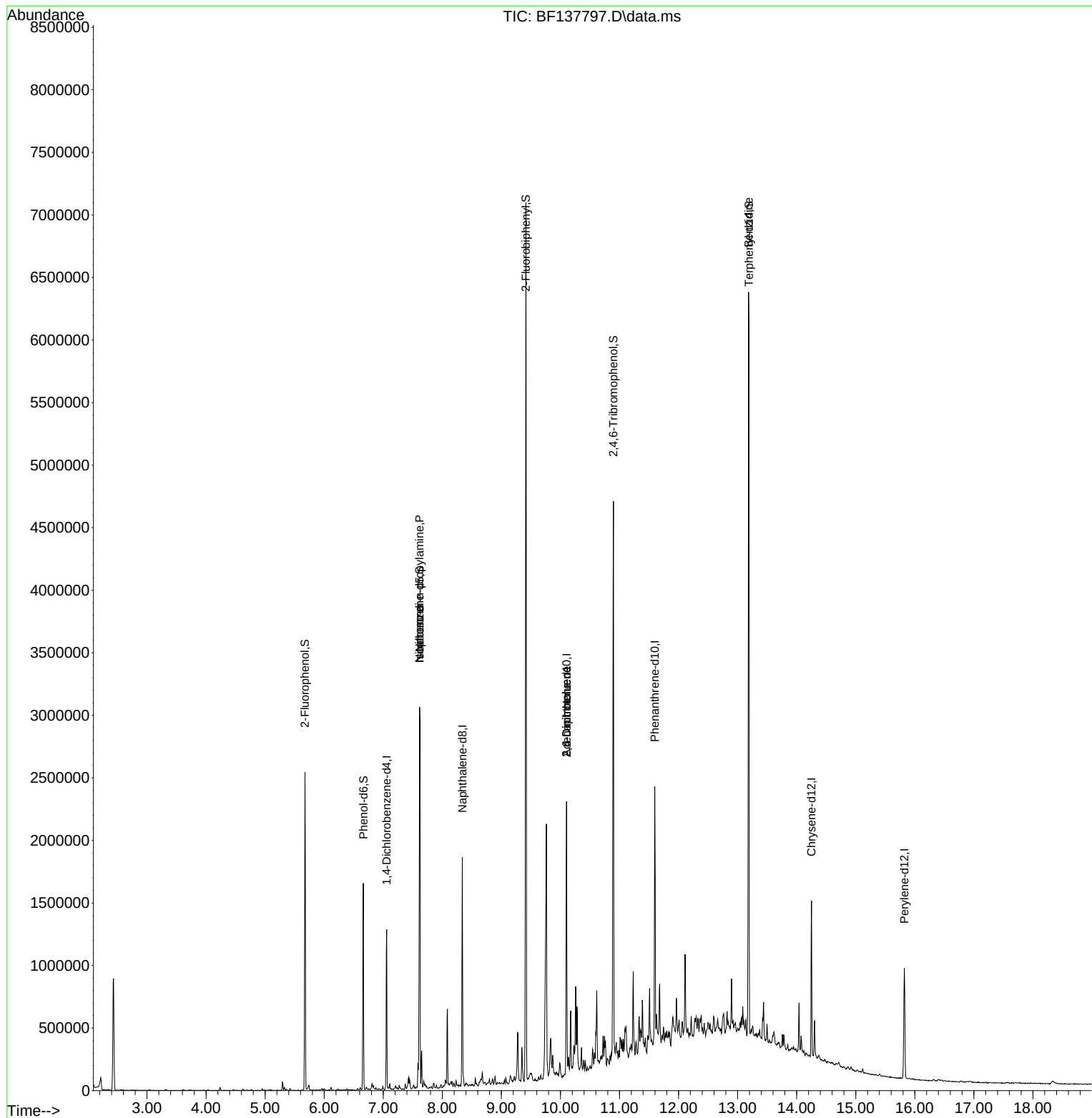
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.057  | 152  | 186937   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.339  | 136  | 737834   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.104 | 164  | 420916   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.598 | 188  | 701836   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.251 | 240  | 395857   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.821 | 264  | 420401   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.675  | 112  | 686504   | 61.486  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.663  | 99   | 536584   | 37.889  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.616  | 82   | 1140361  | 89.794  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.898 | 330  | 579918   | 134.938 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.416  | 172  | 2198686  | 84.745  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.192 | 244  | 2291140  | 96.995  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.616  | 70   | 150842   | 17.823  | ng    | # 76     |
| 25) Isophorone                | 7.616  | 82   | 1140361  | 49.802  | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.104 | 165  | 54418    | 8.961   | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 54383    | 6.855   | ng    | # 29     |
| 77) Benzidine                 | 13.186 | 184  | 27762    | 3.032   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

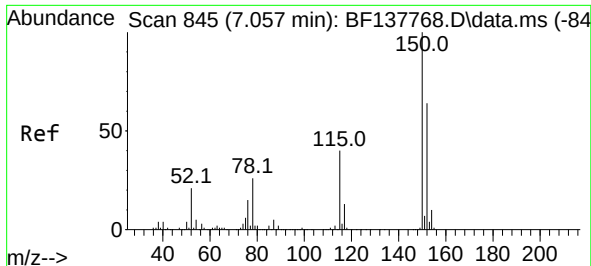
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: May 01 18:27:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF043024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 01 03:25:08 2024  
Response via : Initial Calibration

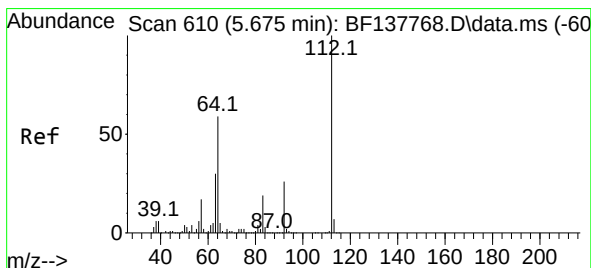
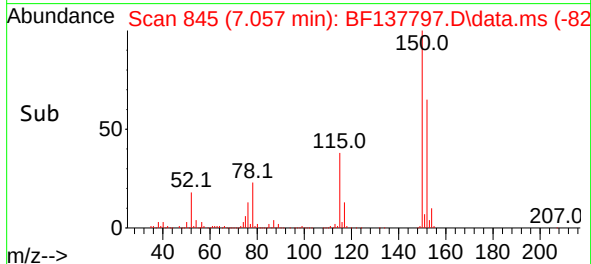
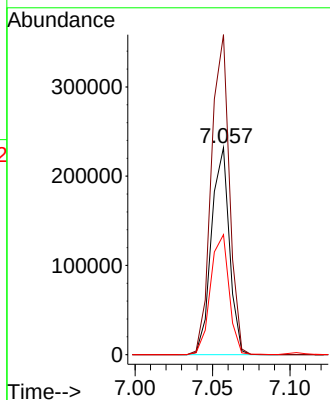
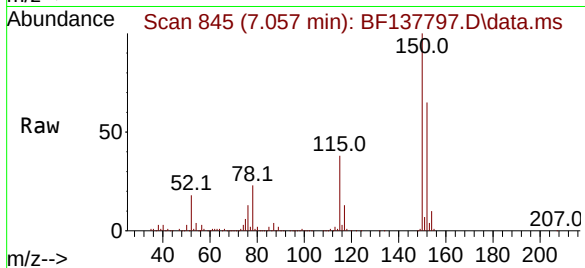




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.057 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: BF137797.D  
 Acq: 01 May 2024 17:53

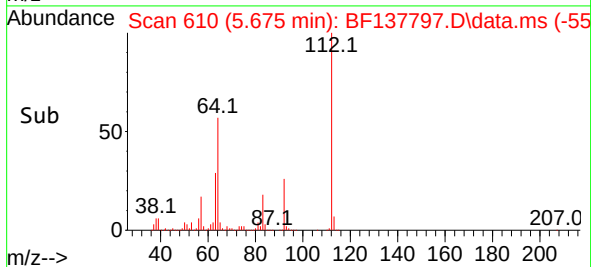
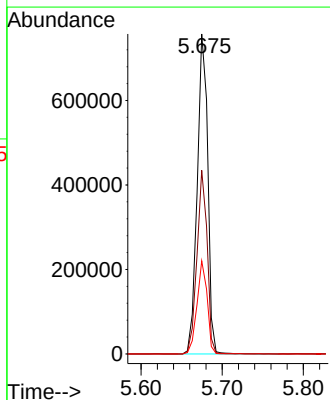
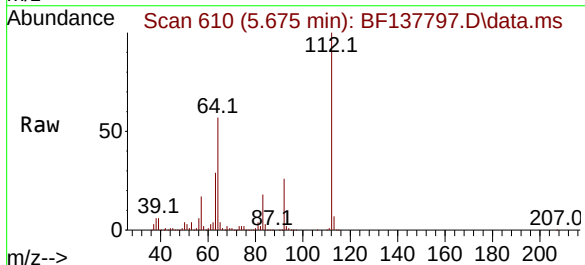
Instrument :  
 BNA\_F  
 ClientSampleId :

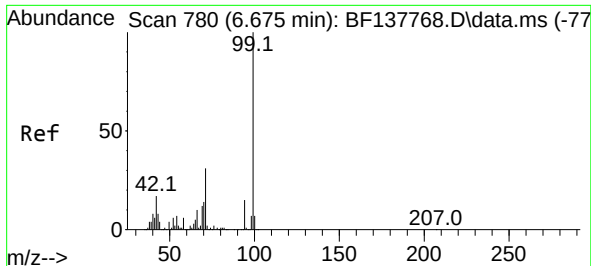
Tgt Ion:152 Resp: 186937  
 Ion Ratio Lower Upper  
 152 100  
 150 154.6 124.1 186.1  
 115 58.0 49.1 73.7



#5  
 2-Fluorophenol  
 Concen: 61.486 ng  
 RT: 5.675 min Scan# 610  
 Delta R.T. -0.000 min  
 Lab File: BF137797.D  
 Acq: 01 May 2024 17:53

Tgt Ion:112 Resp: 686504  
 Ion Ratio Lower Upper  
 112 100  
 64 57.4 47.3 70.9  
 63 29.1 23.7 35.5

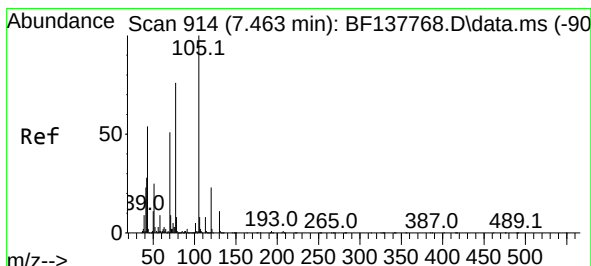
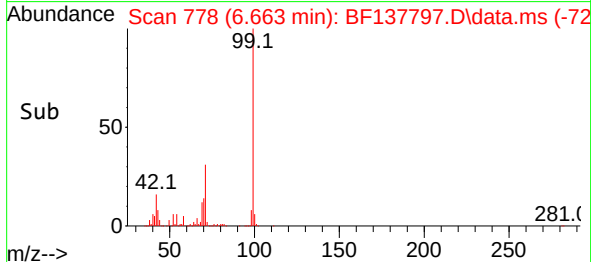
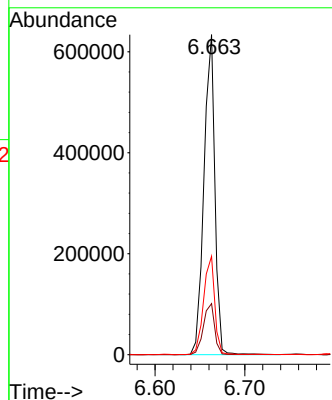
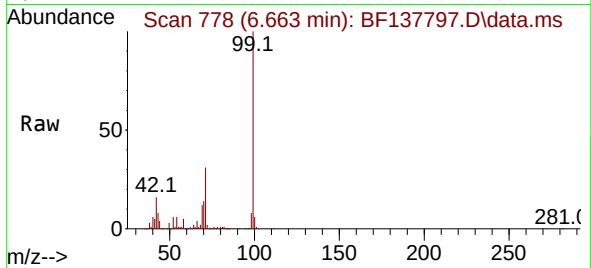




#7  
Phenol-d6  
Concen: 37.889 ng  
RT: 6.663 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

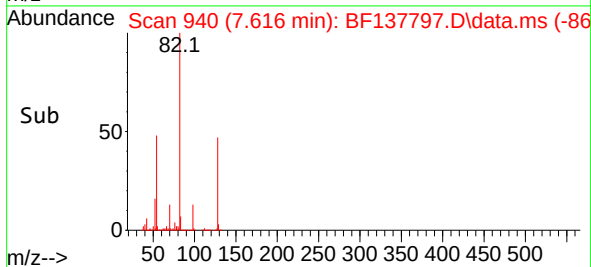
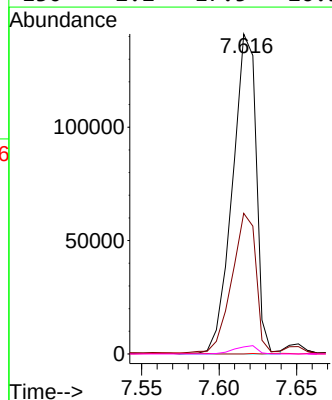
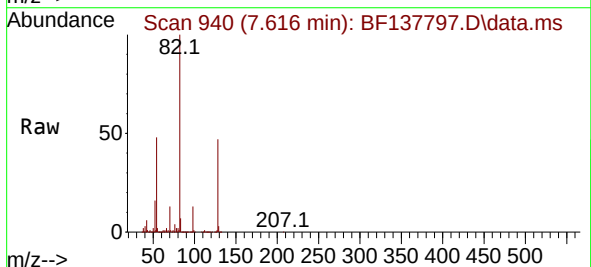
Instrument :  
BNA\_F  
ClientSampleId :

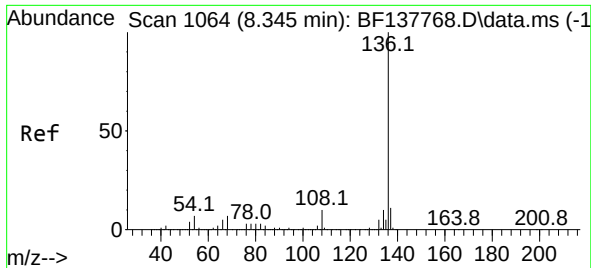
Tgt Ion: 99 Resp: 536584  
Ion Ratio Lower Upper  
99 100  
42 16.0 13.2 19.8  
71 30.7 25.0 37.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.823 ng  
RT: 7.616 min Scan# 940  
Delta R.T. 0.153 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

Tgt Ion: 70 Resp: 150842  
Ion Ratio Lower Upper  
70 100  
42 43.9 44.6 66.8#  
101 0.0 7.8 11.6#  
130 2.2 17.5 26.3#



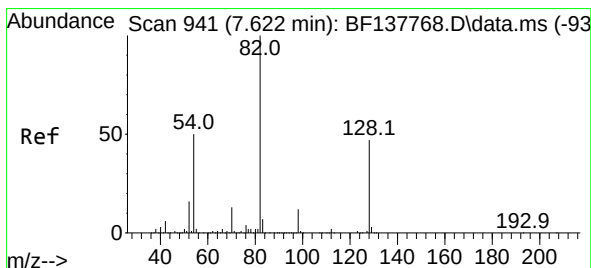
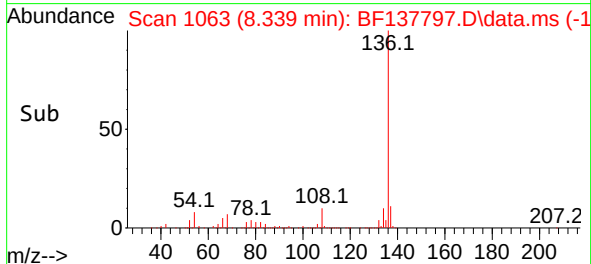
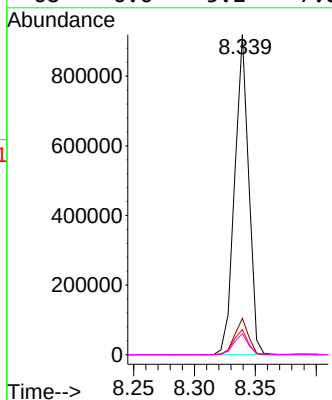
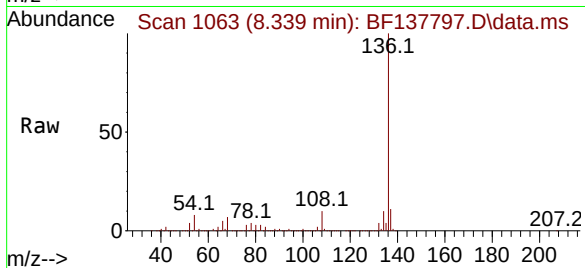


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.339 min Scan# 1063  
Delta R.T. -0.006 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:136 Resp: 737834

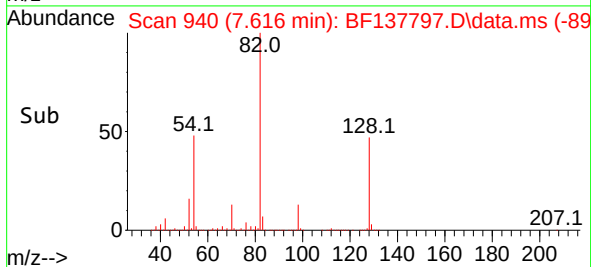
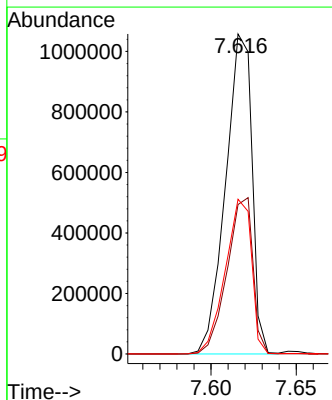
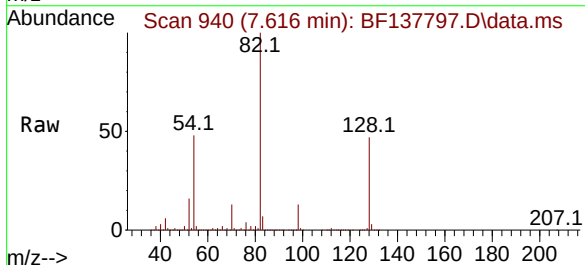
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.8   | 13.2  |
| 54  | 7.8   | 5.8   | 8.8   |
| 68  | 6.6   | 5.2   | 7.8   |

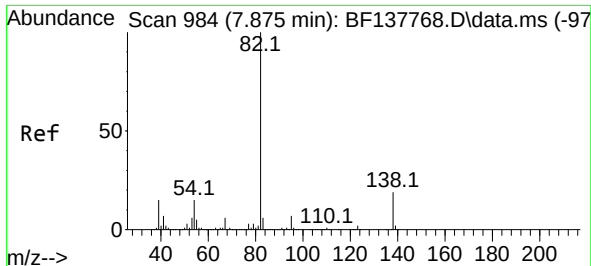


#23  
Nitrobenzene-d5  
Concen: 89.794 ng  
RT: 7.616 min Scan# 940  
Delta R.T. -0.006 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

Tgt Ion: 82 Resp: 1140361

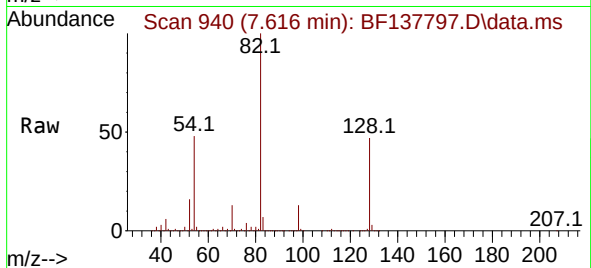
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.7  | 37.5  | 56.3  |
| 54  | 48.4  | 39.8  | 59.6  |



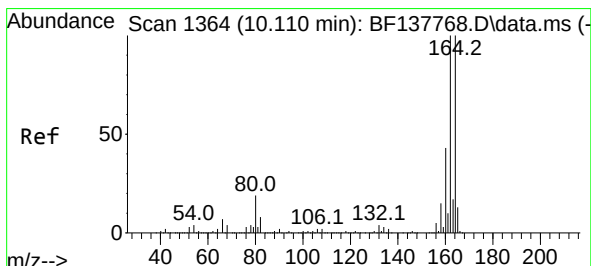
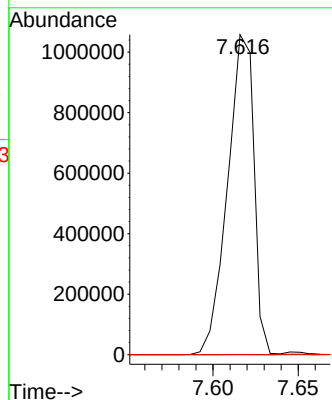
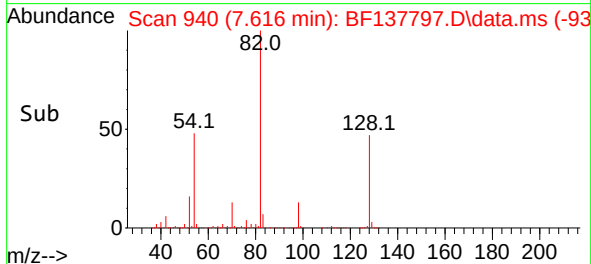


#25  
Isophorone  
Concen: 49.802 ng  
RT: 7.616 min Scan# 94  
Delta R.T. -0.259 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

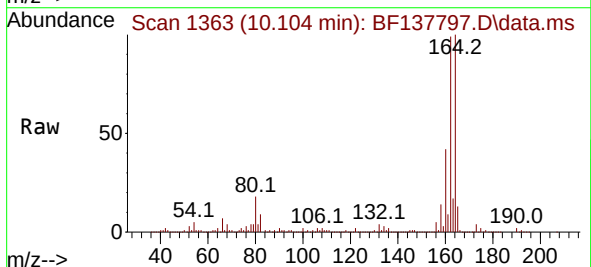
Instrument :  
BNA\_F  
ClientSampleId :



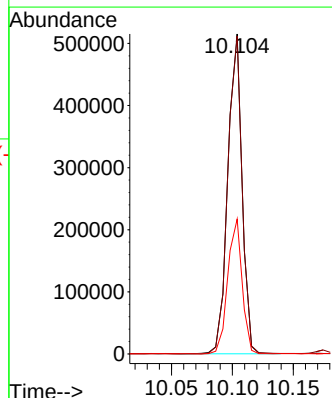
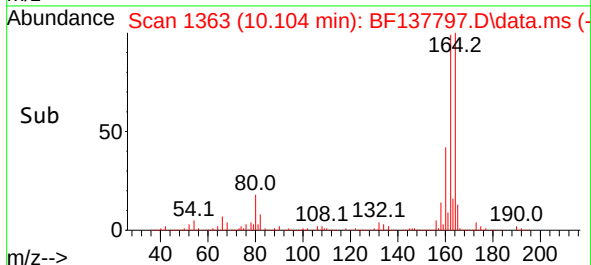
Tgt Ion: 82 Resp: 1140361  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 15.0 22.6#

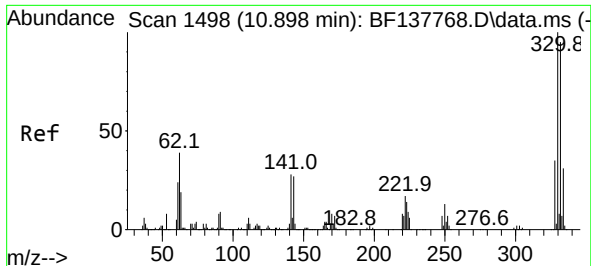


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. -0.006 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53



Tgt Ion:164 Resp: 420916  
Ion Ratio Lower Upper  
164 100  
162 99.4 79.8 119.6  
160 42.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 134.938 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.000 min

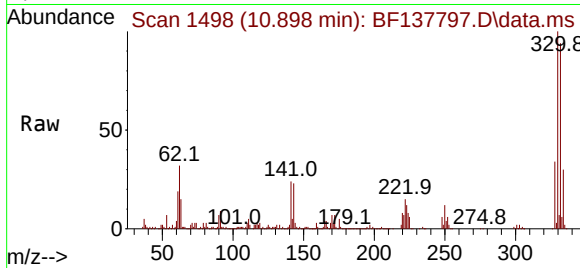
Lab File: BF137797.D

Acq: 01 May 2024 17:53

Instrument :

BNA\_F

ClientSampleId :



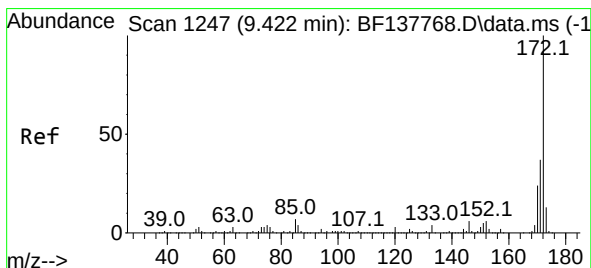
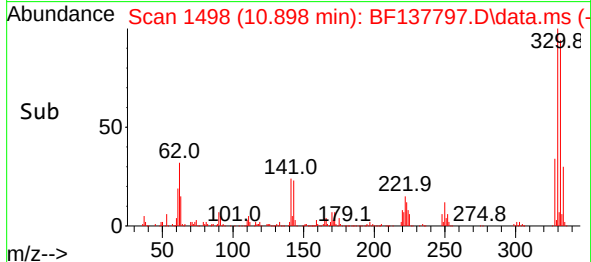
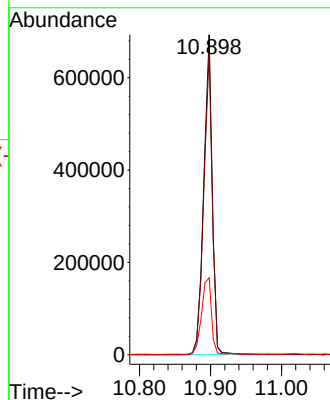
Tgt Ion:330 Resp: 579918

Ion Ratio Lower Upper

330 100

332 95.0 77.3 115.9

141 27.9 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 84.745 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF137797.D

Acq: 01 May 2024 17:53

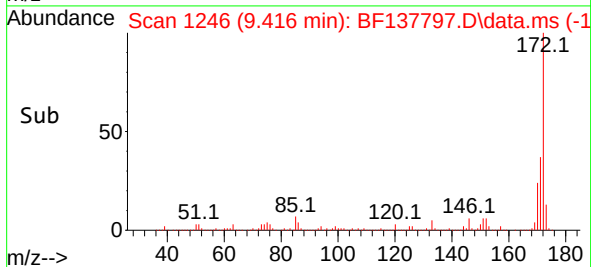
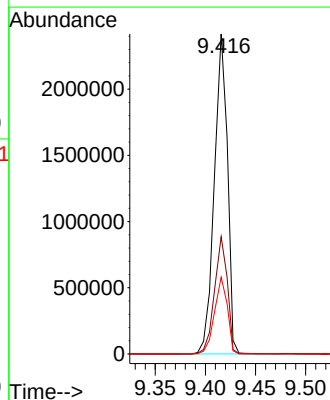
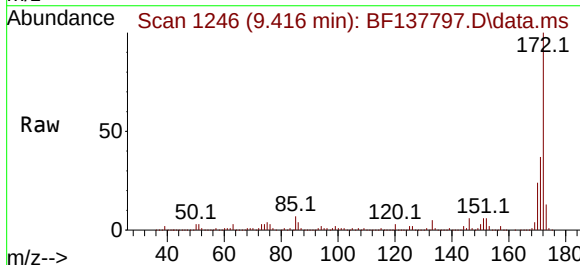
Tgt Ion:172 Resp: 2198686

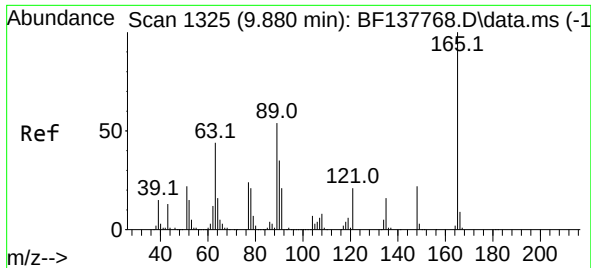
Ion Ratio Lower Upper

172 100

171 36.6 29.6 44.4

170 24.0 19.4 29.2

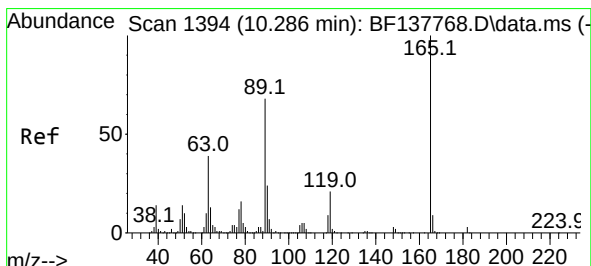
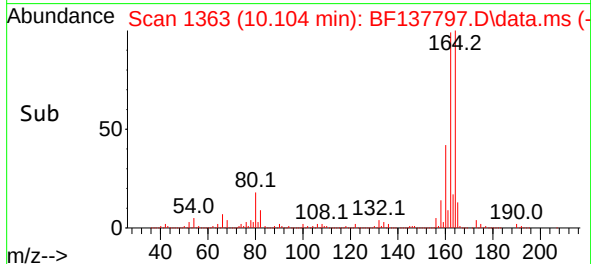
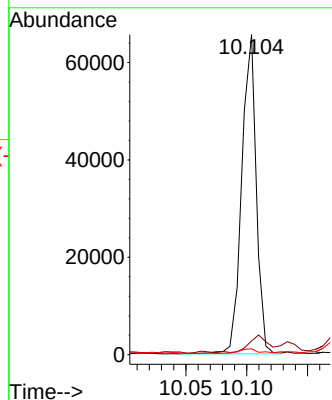
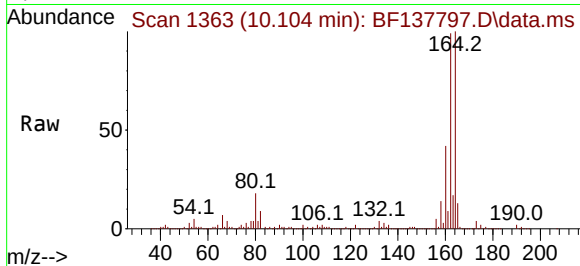




#51  
2,6-Dinitrotoluene  
Concen: 8.961 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. 0.223 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

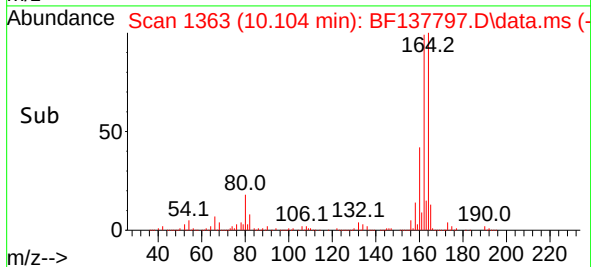
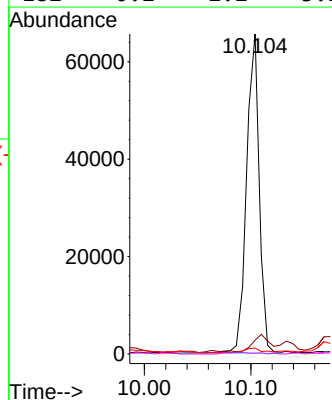
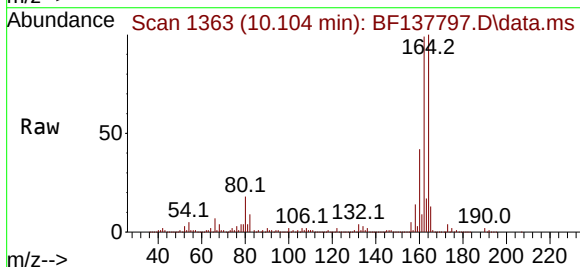
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:165 Resp: 54418  
Ion Ratio Lower Upper  
165 100  
63 4.3 41.9 62.9#  
89 1.9 43.2 64.8#

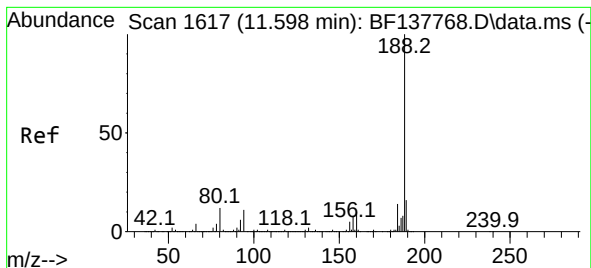


#57  
2,4-Dinitrotoluene  
Concen: 6.855 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. -0.182 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

Tgt Ion:165 Resp: 54383  
Ion Ratio Lower Upper  
165 100  
63 4.3 31.3 46.9#  
89 1.9 54.2 81.4#  
182 0.2 2.2 3.2#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137797.D

Acq: 01 May 2024 17:53

Instrument :

BNA\_F

ClientSampleId :

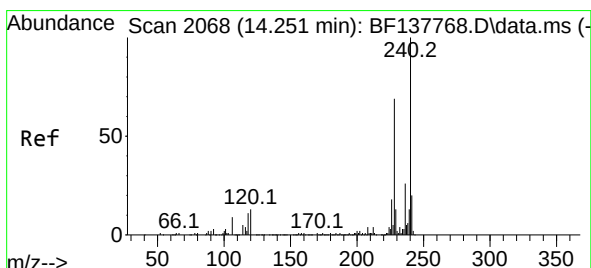
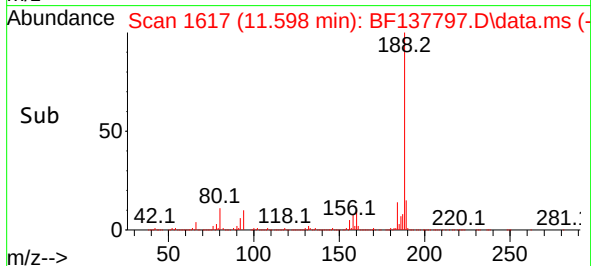
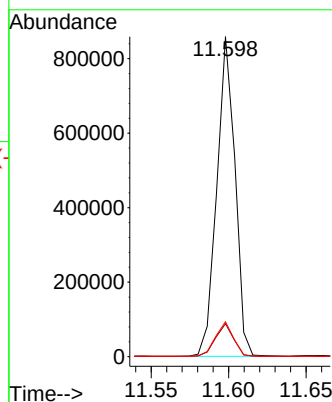
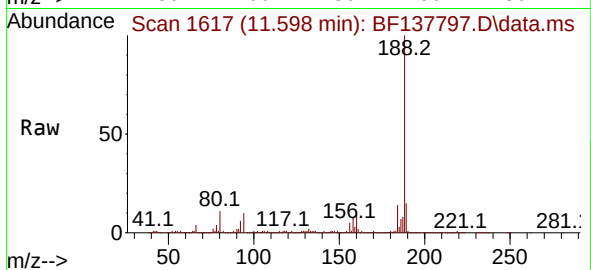
Tgt Ion:188 Resp: 701836

Ion Ratio Lower Upper

188 100

94 10.3 8.8 13.2

80 10.9 9.6 14.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.000 min

Lab File: BF137797.D

Acq: 01 May 2024 17:53

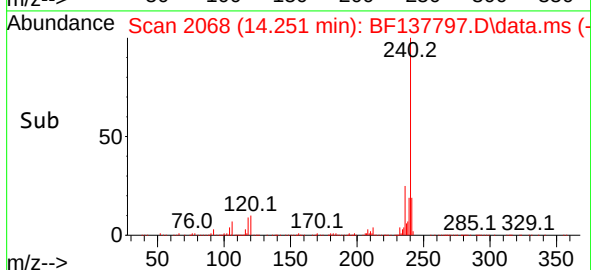
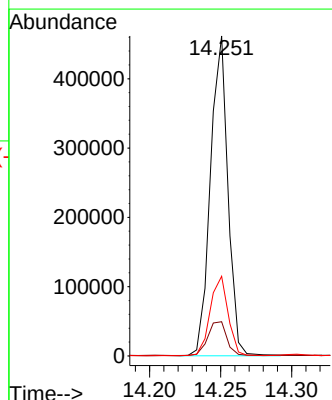
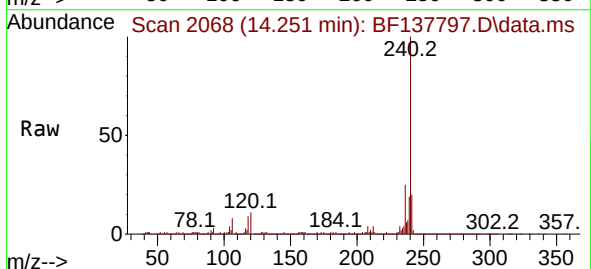
Tgt Ion:240 Resp: 395857

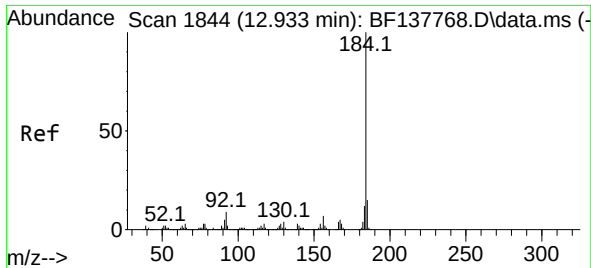
Ion Ratio Lower Upper

240 100

120 10.7 10.4 15.6

236 24.9 20.4 30.6

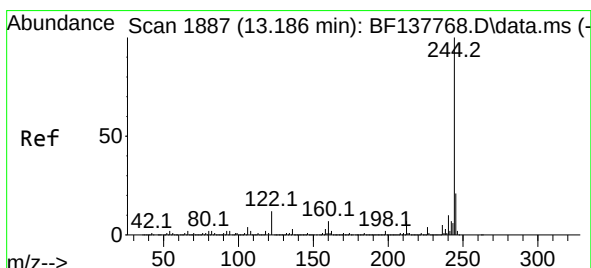
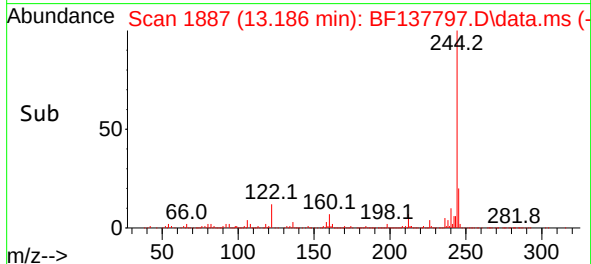
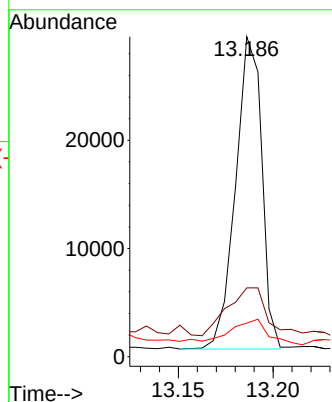
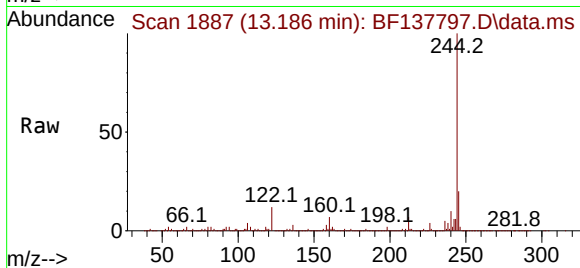




#77  
Benzidine  
Concen: 3.032 ng  
RT: 13.186 min Scan# 1887  
Delta R.T. 0.253 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

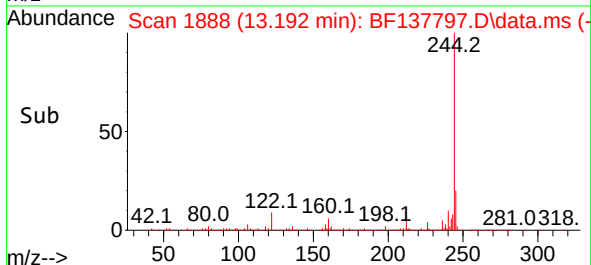
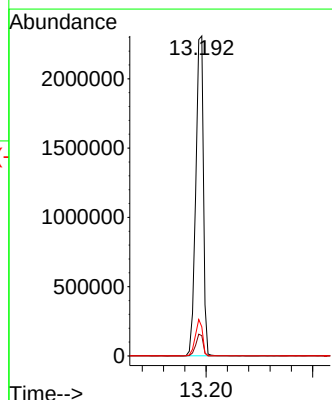
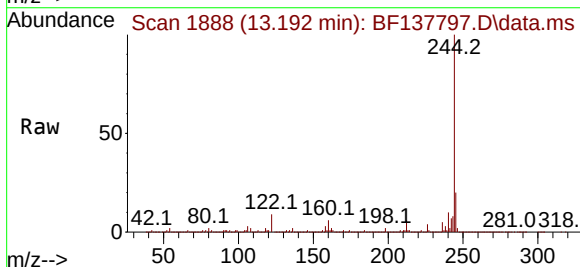
Instrument :  
BNA\_F  
ClientSampleId :

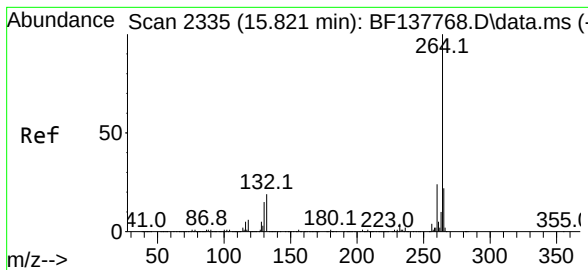
Tgt Ion:184 Resp: 27762  
Ion Ratio Lower Upper  
184 100  
185 21.5 12.3 18.5#  
183 10.5 9.2 13.8



#79  
Terphenyl-d14  
Concen: 96.995 ng  
RT: 13.192 min Scan# 1888  
Delta R.T. 0.006 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

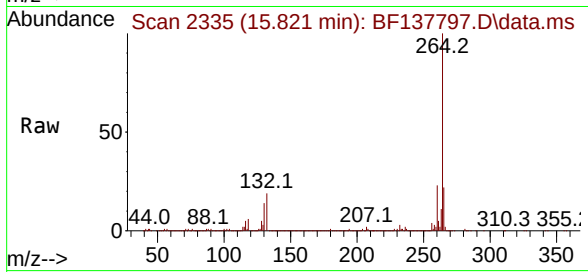
Tgt Ion:244 Resp: 2291140  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.5 8.3  
122 9.1 9.4 14.2#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.821 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF137797.D  
Acq: 01 May 2024 17:53

Instrument :  
BNA\_F  
ClientSampleId :



Tgt Ion:264 Resp: 420401  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.9 28.3  
265 21.7 17.4 26.0

