

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020824\  
 Data File : BF137335.D  
 Acq On : 08 Feb 2024 13:20  
 Operator : CG\JU  
 Sample : PB158857BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB158857BL

Quant Time: Feb 08 13:44:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 04:56:22 2024  
 Response via : Initial Calibration

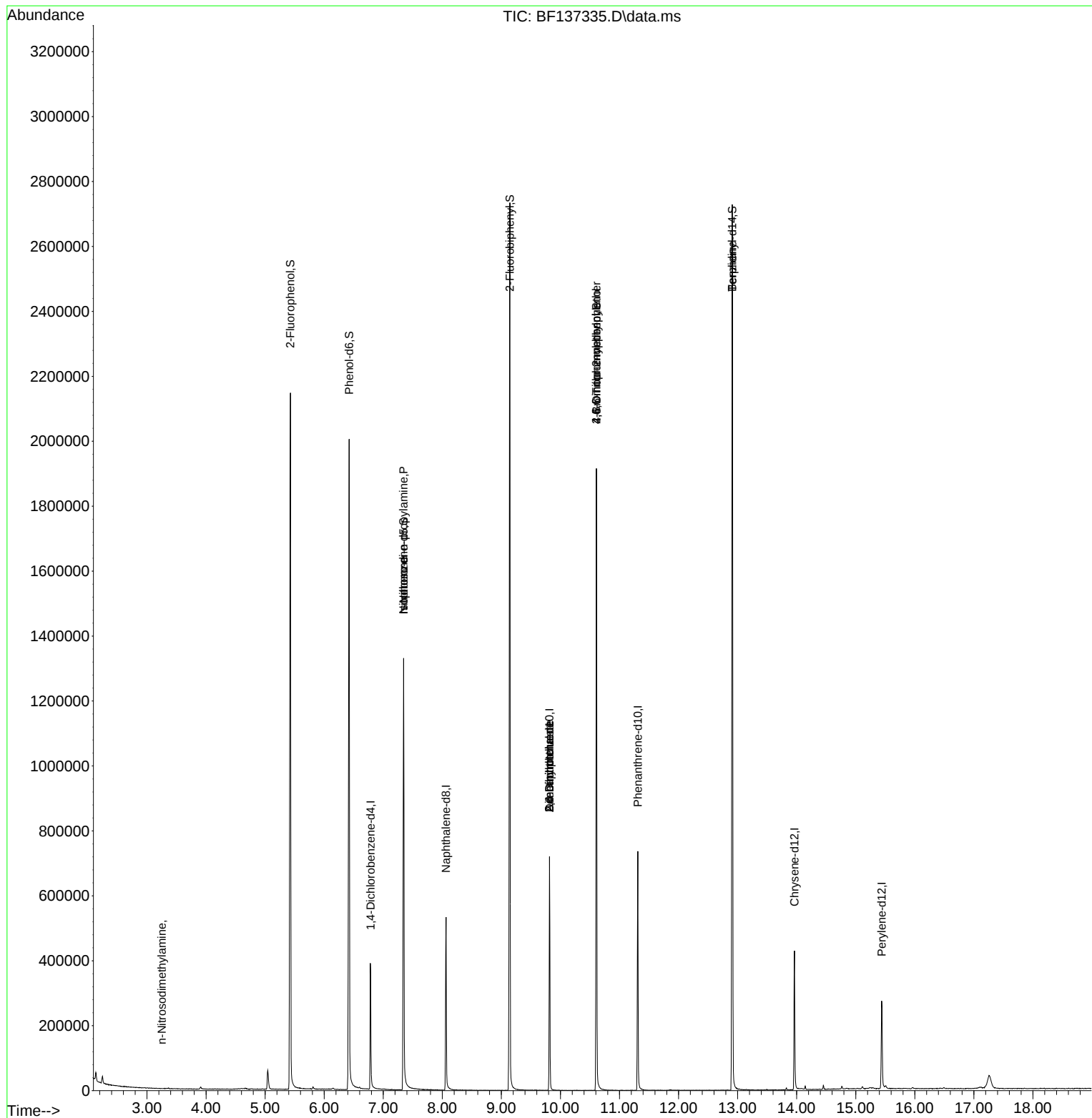
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 60541    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 236713   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 145913   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 273964   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.963 | 240  | 167375   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.439 | 264  | 140261   | 20.000  | ng    | -0.02    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 558898   | 152.331 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.422  | 99   | 726495   | 138.750 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 496625   | 93.931  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 230708   | 140.004 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 925819   | 87.223  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1057081  | 85.858  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.251  | 42   | 53       | 6.083   | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 66197    | 18.439  | ng    | # 80     |
| 25) Isophorone                | 7.345  | 82   | 496620   | 50.888  | ng    | # 67     |
| 50) Dimethylphthalate         | 9.816  | 163  | 24757    | 2.511   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 18358    | 8.734   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 18358    | 6.731   | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 702      | 5.883   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 15443    | 5.126   | ng    | # 1      |
| 77) Benzidine                 | 12.910 | 184  | 12823    | 4.278   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

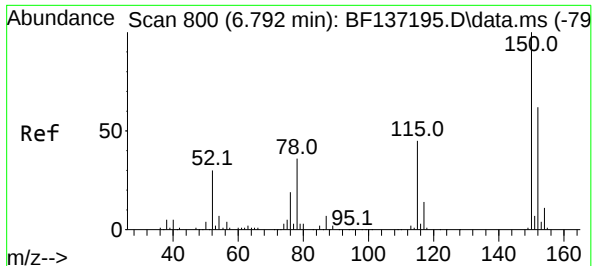
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020824\  
Data File : BF137335.D  
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Sample : PB158857BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

Quant Time: Feb 08 13:44:43 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 31 04:56:22 2024  
Response via : Initial Calibration

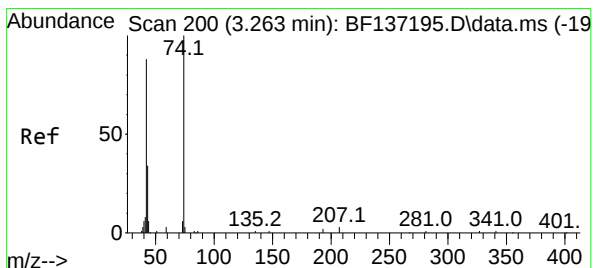
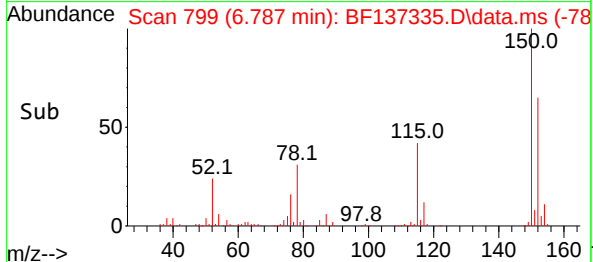
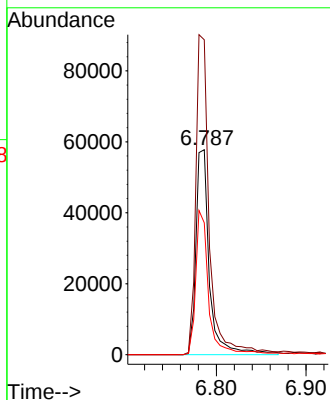
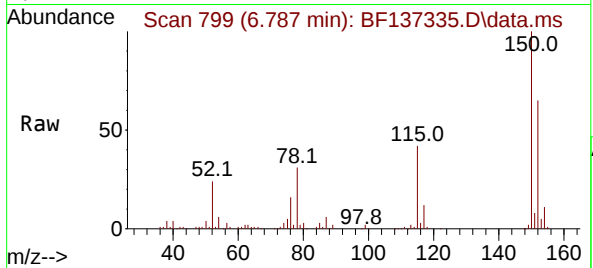




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

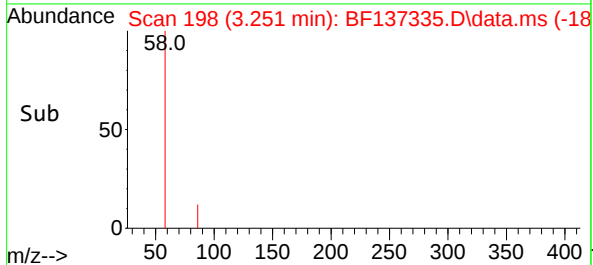
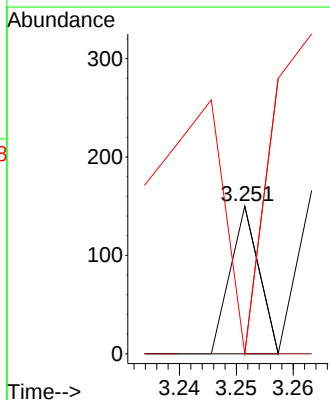
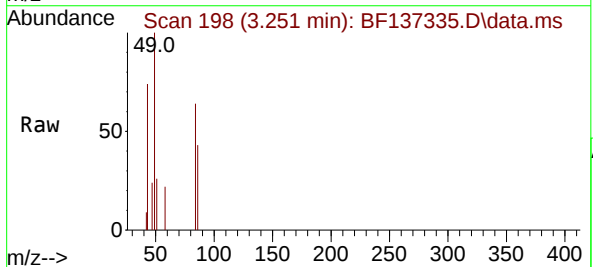
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

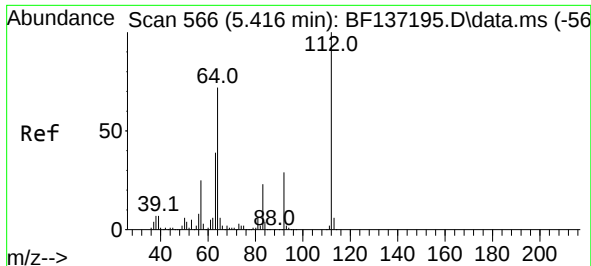
Tgt Ion:152 Resp: 60541  
Ion Ratio Lower Upper  
152 100  
150 153.7 129.8 194.8  
115 64.3 58.5 87.7



#4  
n-Nitrosodimethylamine  
Concen: 6.083 ng  
RT: 3.251 min Scan# 198  
Delta R.T. -0.012 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion: 42 Resp: 53  
Ion Ratio Lower Upper  
42 100  
74 0.0 90.5 135.7#  
44 0.0 6.1 9.1#

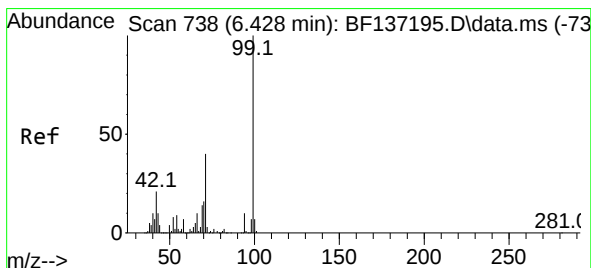
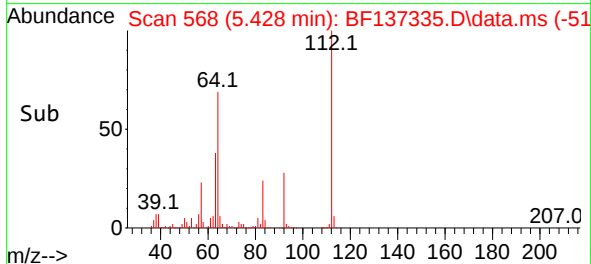
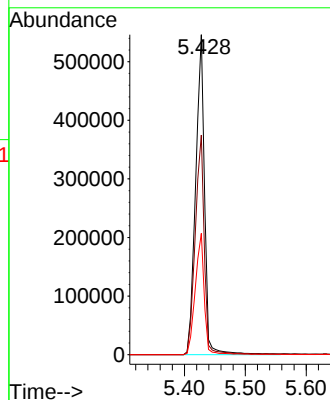
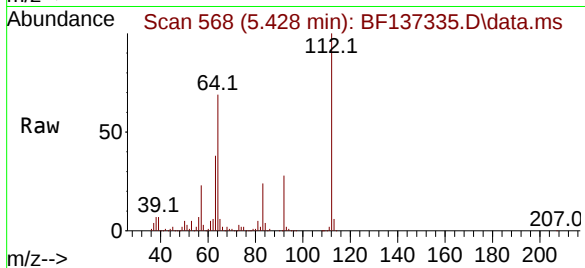




#5  
2-Fluorophenol  
Concen: 152.331 ng  
RT: 5.428 min Scan# 501  
Delta R.T. 0.012 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

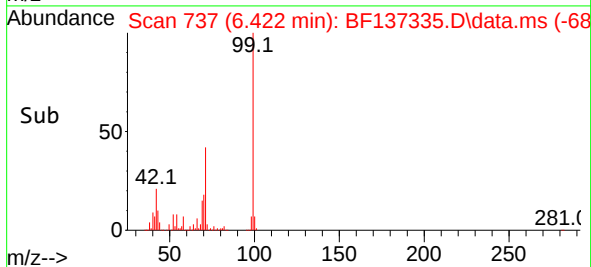
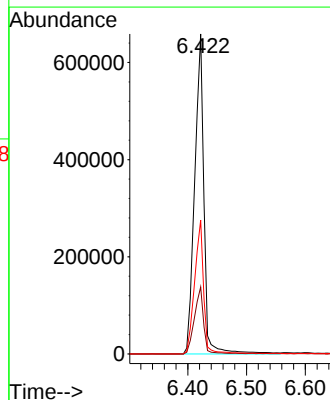
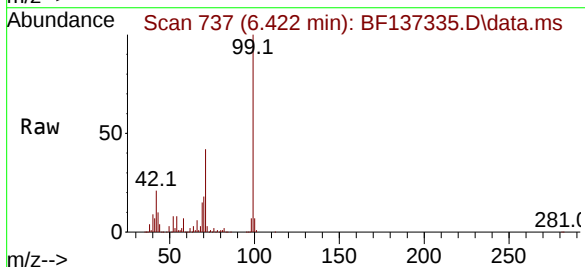
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

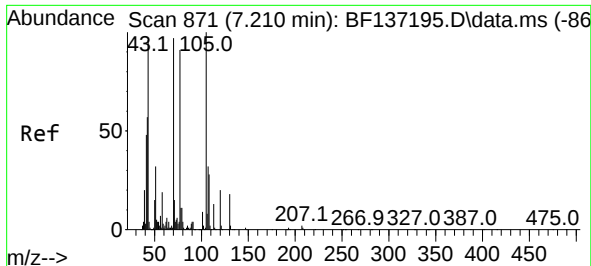
Tgt Ion:112 Resp: 558898  
Ion Ratio Lower Upper  
112 100  
64 68.6 57.8 86.6  
63 37.9 31.4 47.0



#7  
Phenol-d6  
Concen: 138.750 ng  
RT: 6.422 min Scan# 737  
Delta R.T. -0.006 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion: 99 Resp: 726495  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.4 24.6  
71 41.8 32.4 48.6

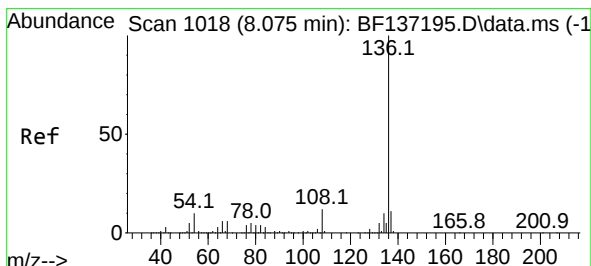
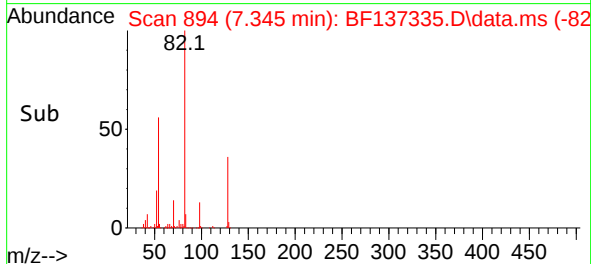
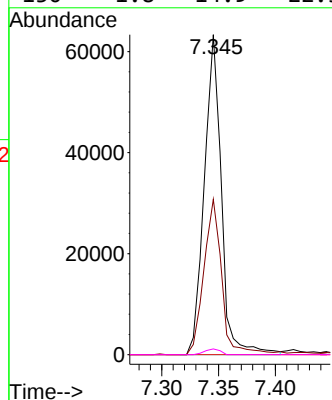
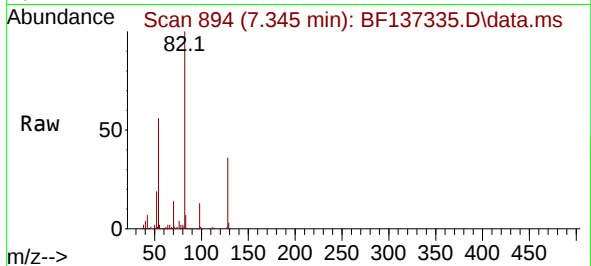




#19  
n-Nitroso-di-n-propylamine  
Concen: 18.439 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

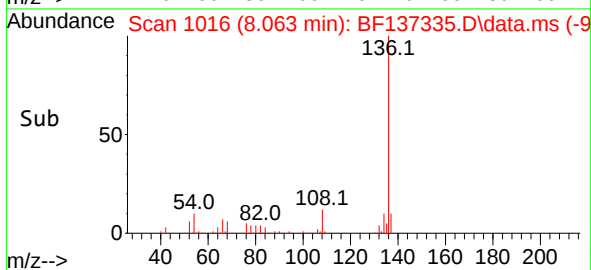
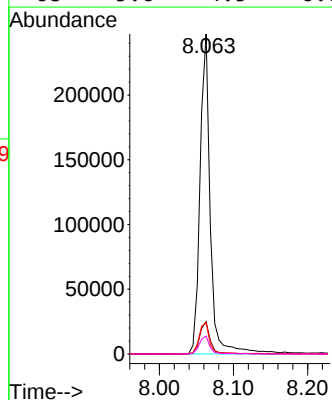
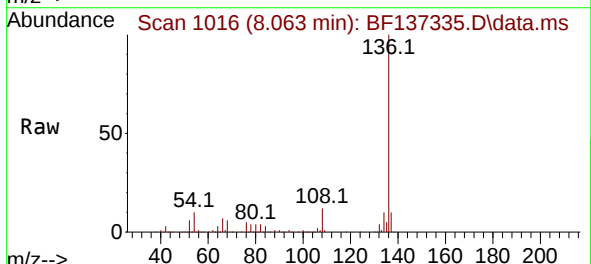
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

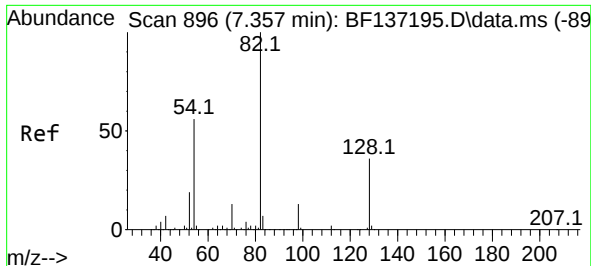
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 66197 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 48.6  | 47.2  | 70.8  |
| 101      | 0.0   | 7.4   | 11.0# |
| 130      | 1.8   | 14.9  | 22.3# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.012 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 236713 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.1  | 8.9   | 13.3   |
| 54       | 9.7   | 7.8   | 11.8   |
| 68       | 5.6   | 4.5   | 6.7    |





#23

Nitrobenzene-d5

Concen: 93.931 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137335.D

Acq: 08 Feb 2024 13:20

Instrument :

BNA\_F

ClientSampleId :

PB158857BL

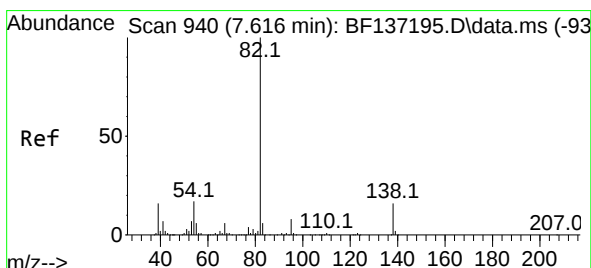
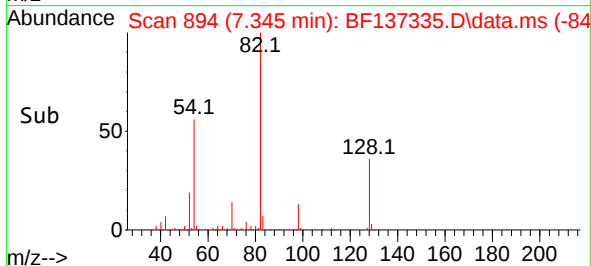
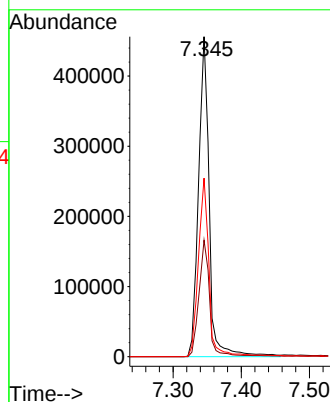
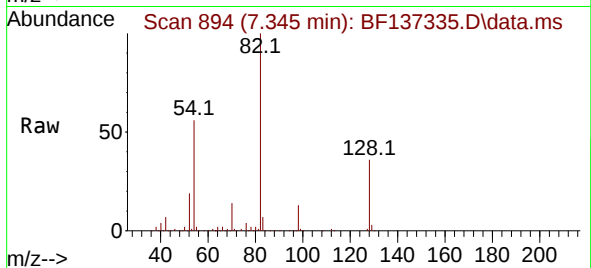
Tgt Ion: 82 Resp: 496625

Ion Ratio Lower Upper

82 100

128 36.4 29.1 43.7

54 55.8 45.0 67.6



#25

Isophorone

Concen: 50.888 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF137335.D

Acq: 08 Feb 2024 13:20

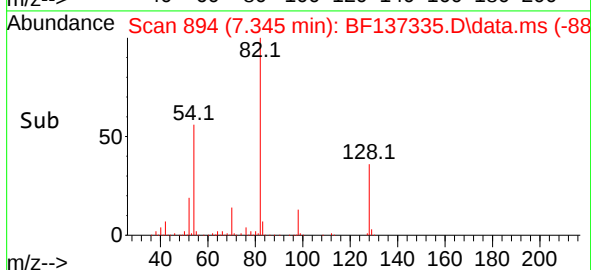
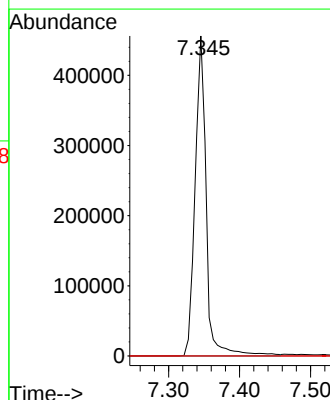
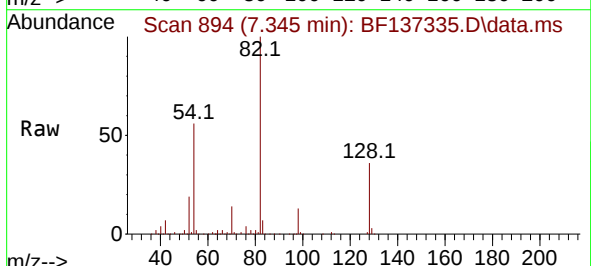
Tgt Ion: 82 Resp: 496620

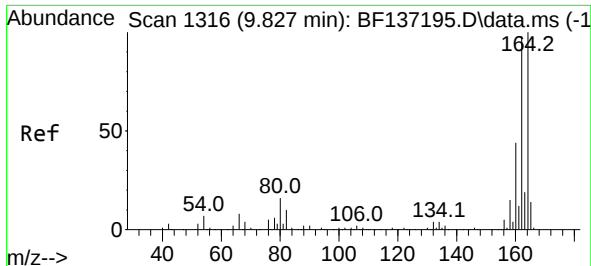
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

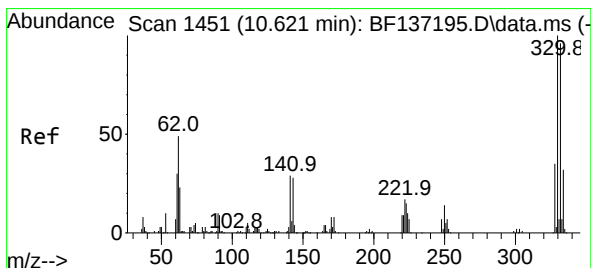
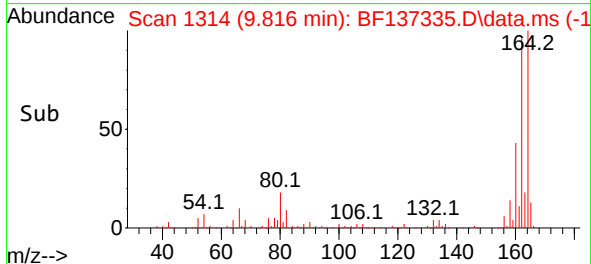
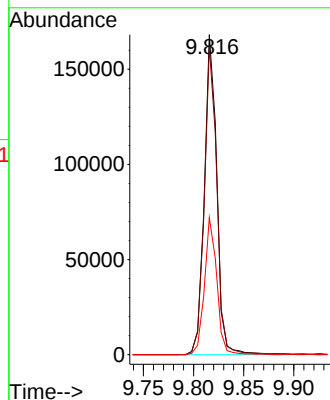
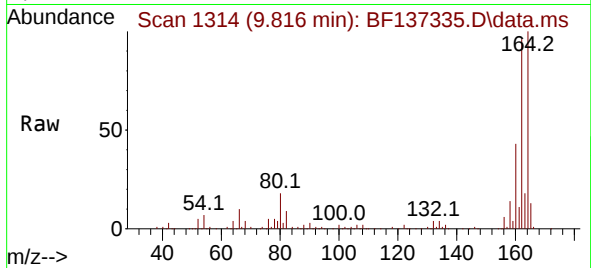




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

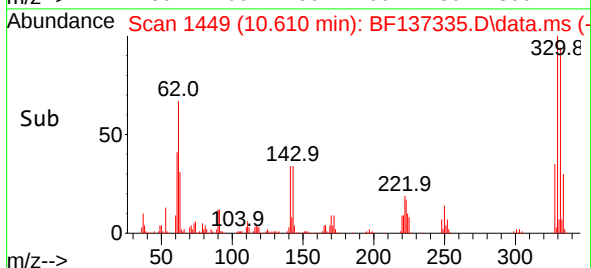
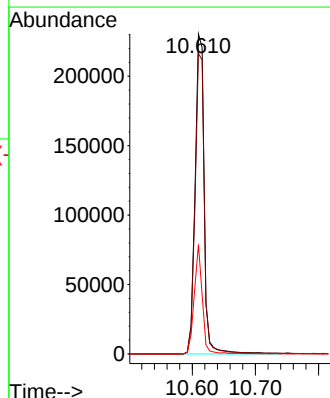
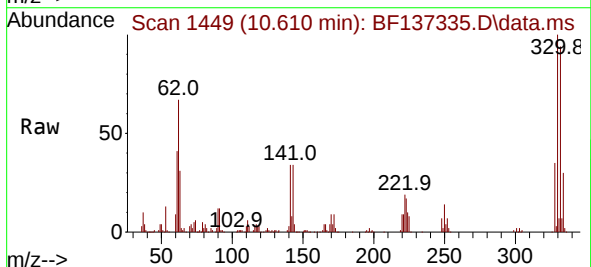
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

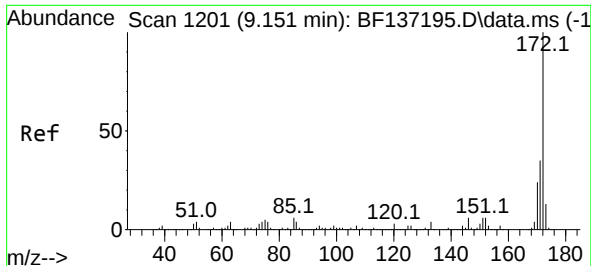
Tgt Ion:164 Resp: 145913  
Ion Ratio Lower Upper  
164 100  
162 96.3 78.3 117.5  
160 42.8 35.4 53.2



#42  
2,4,6-Tribromophenol  
Concen: 140.004 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion:330 Resp: 230708  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.3 115.9  
141 30.6 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 87.223 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137335.D

Acq: 08 Feb 2024 13:20

Instrument :

BNA\_F

ClientSampleId :

PB158857BL

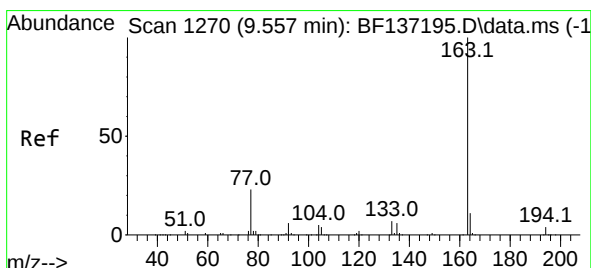
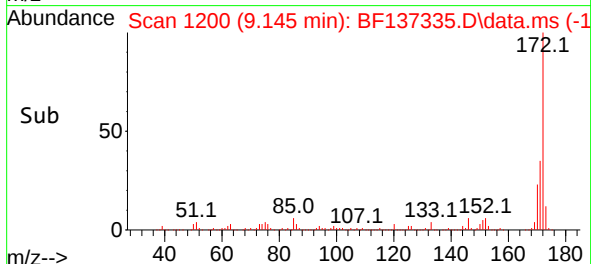
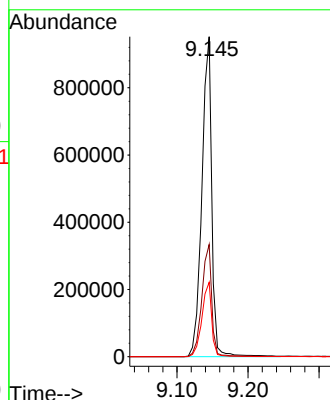
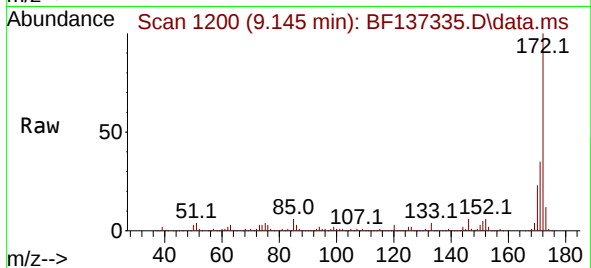
Tgt Ion:172 Resp: 925819

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.3 19.1 28.7



#50

Dimethylphthalate

Concen: 2.511 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF137335.D

Acq: 08 Feb 2024 13:20

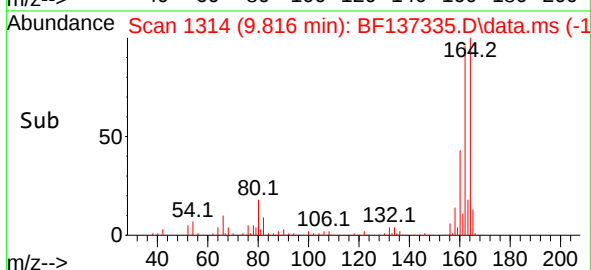
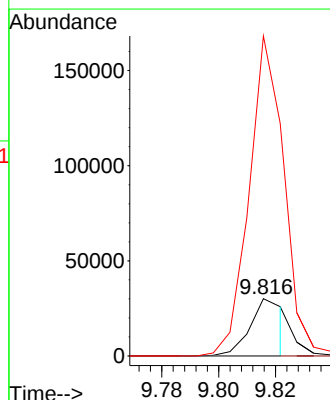
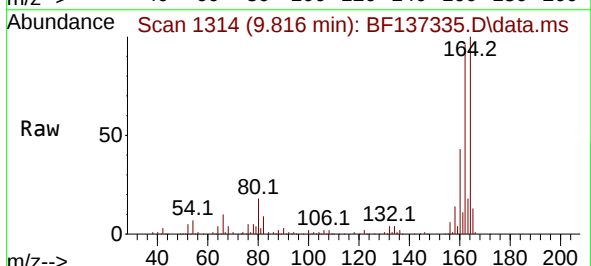
Tgt Ion:163 Resp: 24757

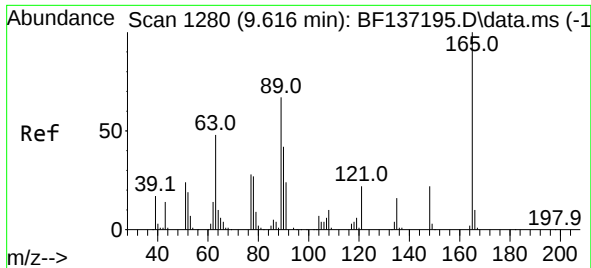
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 557.8 8.6 13.0#

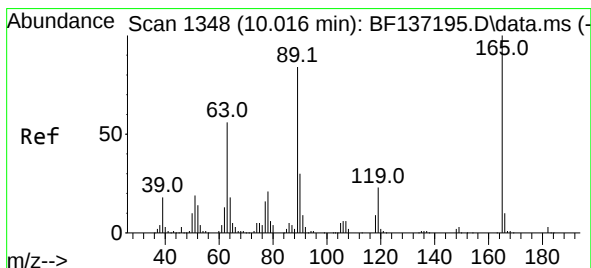
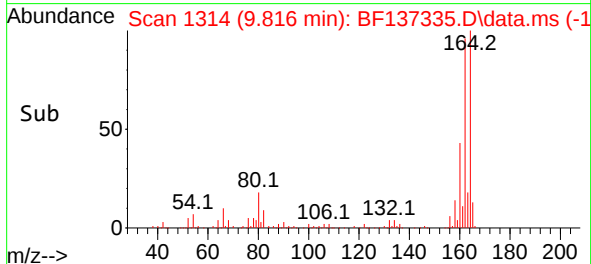
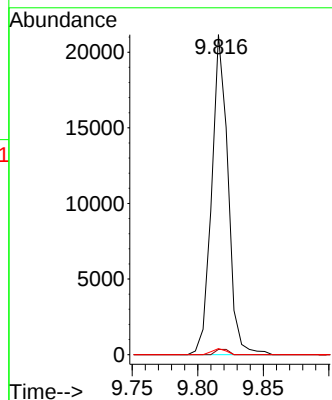
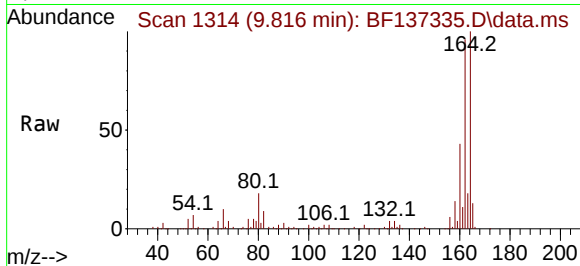




#51  
2,6-Dinitrotoluene  
Concen: 8.734 ng  
RT: 9.816 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

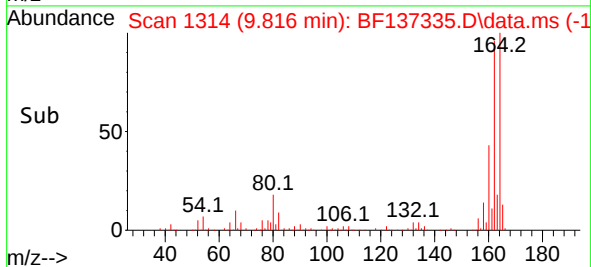
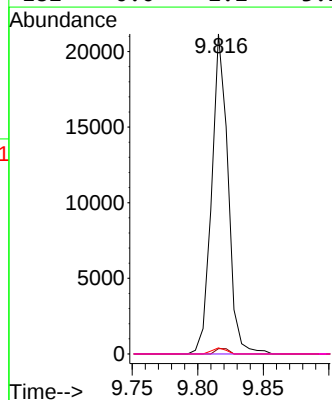
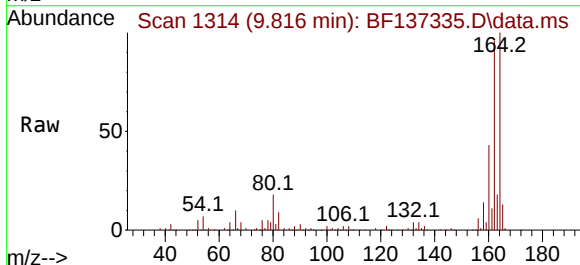
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

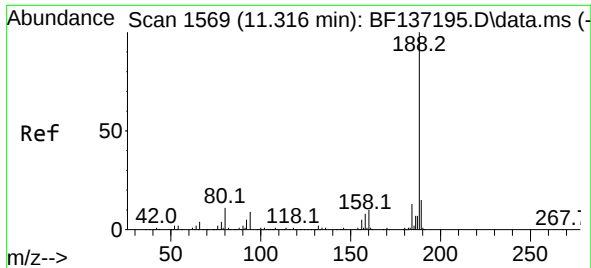
Tgt Ion:165 Resp: 18358  
Ion Ratio Lower Upper  
165 100  
63 1.6 55.1 82.7#  
89 1.9 53.5 80.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.731 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.200 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion:165 Resp: 18358  
Ion Ratio Lower Upper  
165 100  
63 1.6 46.1 69.1#  
89 1.9 67.5 101.3#  
182 0.0 2.2 3.2#

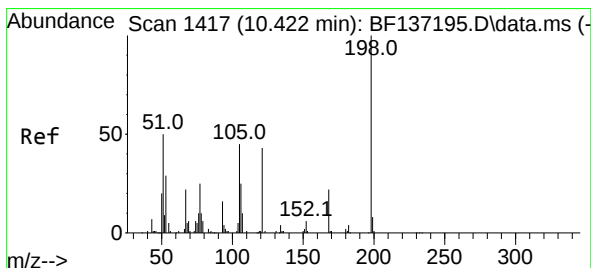
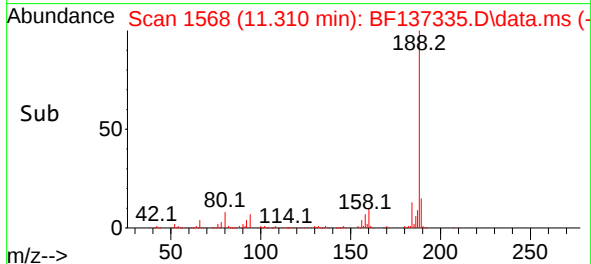
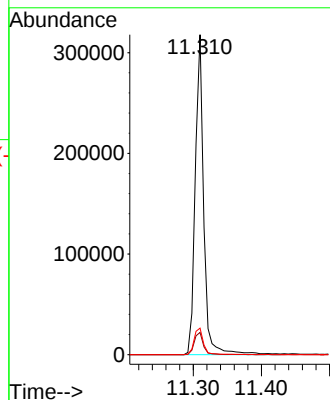
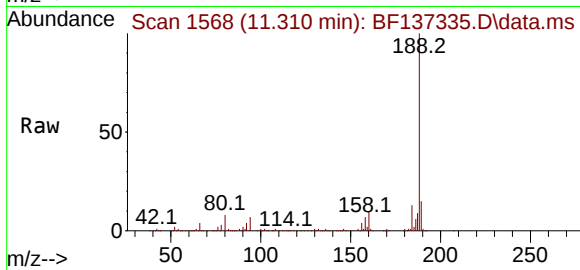




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

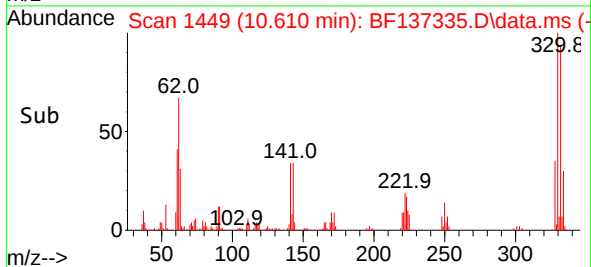
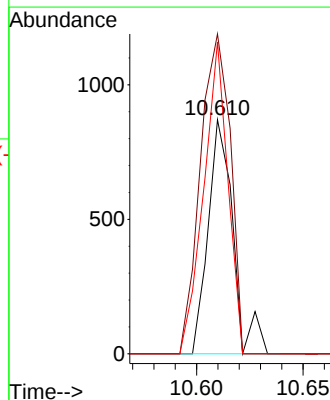
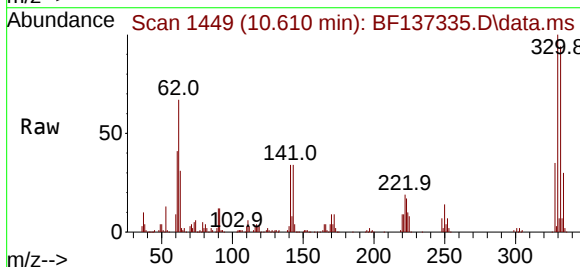
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

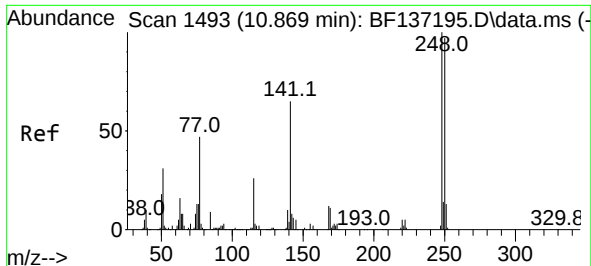
Tgt Ion:188 Resp: 273964  
Ion Ratio Lower Upper  
188 100  
94 7.0 7.0 10.4  
80 8.3 8.8 13.2#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.883 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. 0.188 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion:198 Resp: 702  
Ion Ratio Lower Upper  
198 100  
51 136.7 40.9 80.9#  
105 133.2 26.5 66.5#

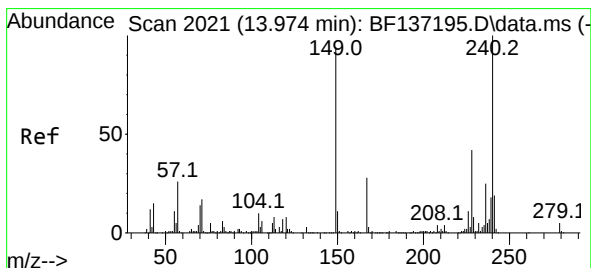
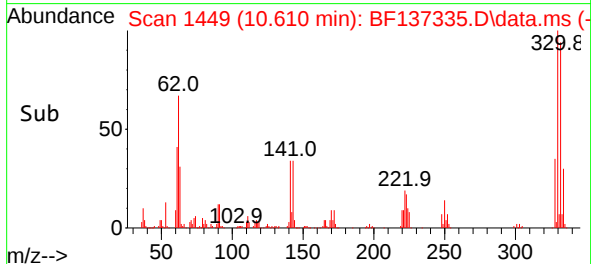
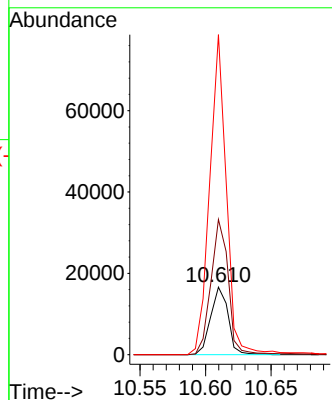
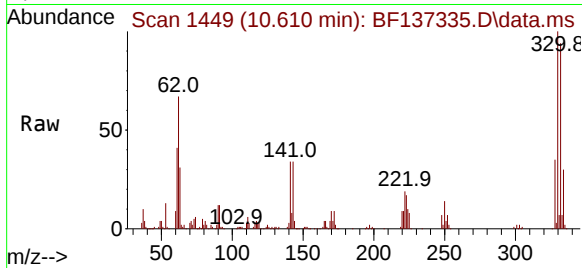




#67  
4-Bromophenyl-phenylether  
Concen: 5.126 ng  
RT: 10.610 min Scan# 1493  
Delta R.T. -0.259 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

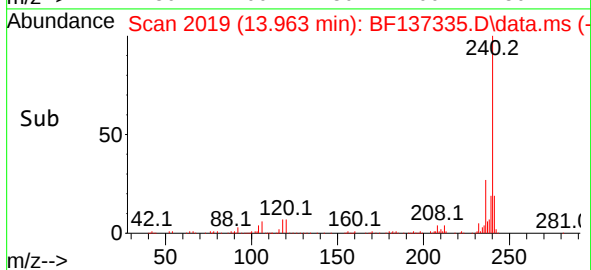
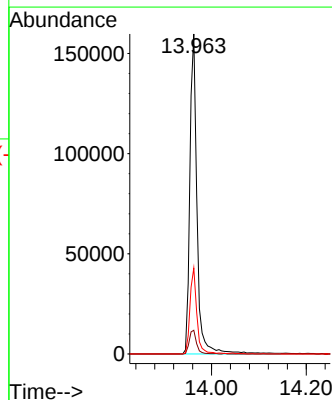
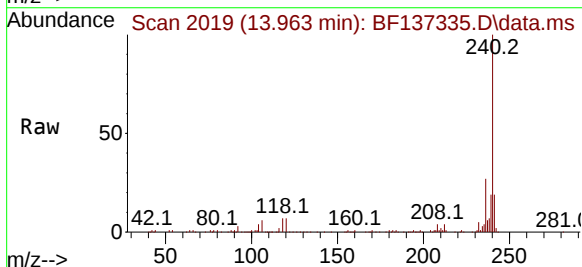
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

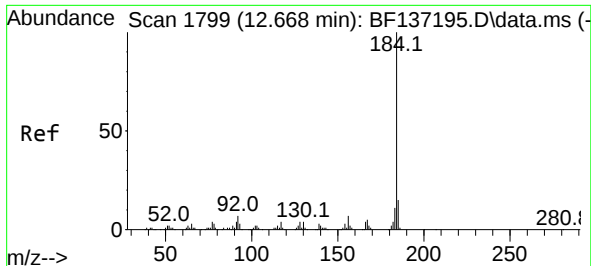
Tgt Ion:248 Resp: 15443  
Ion Ratio Lower Upper  
248 100  
250 200.1 77.7 116.5#  
141 473.6 51.6 77.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.012 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion:240 Resp: 167375  
Ion Ratio Lower Upper  
240 100  
120 7.4 6.3 9.5  
236 26.8 20.3 30.5

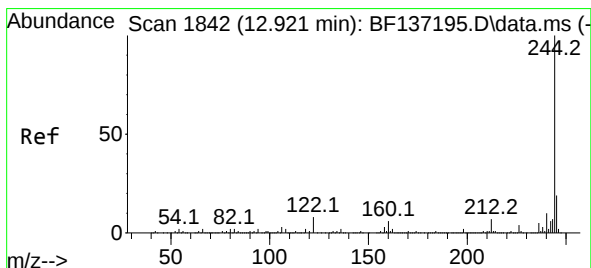
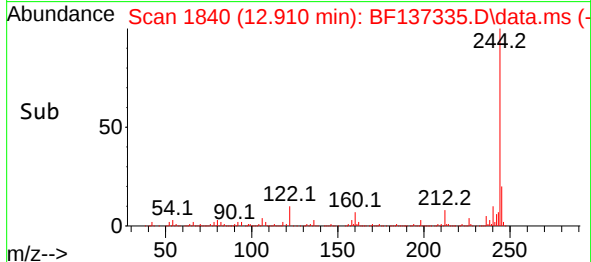
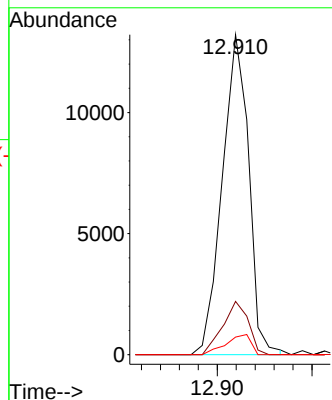
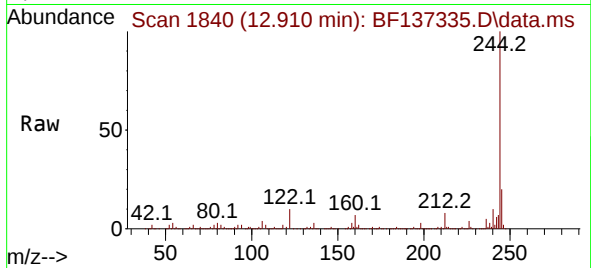




#77  
Benzidine  
Concen: 4.278 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. 0.242 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

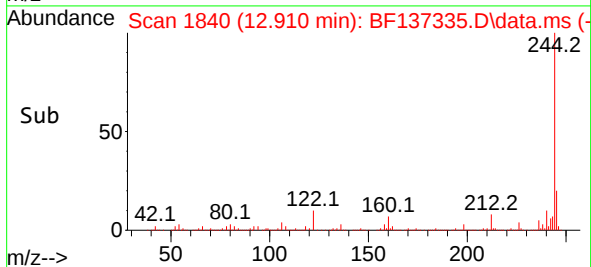
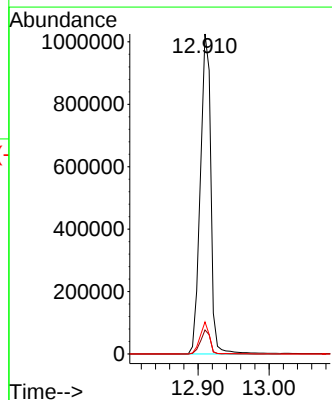
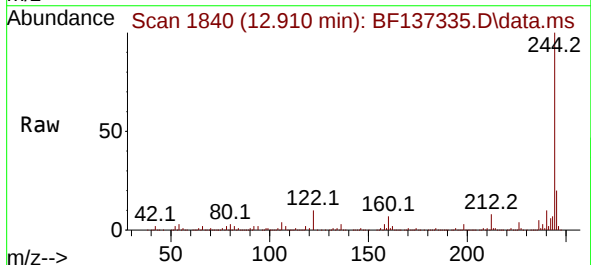
Instrument :  
BNA\_F  
ClientSampleId :  
PB158857BL

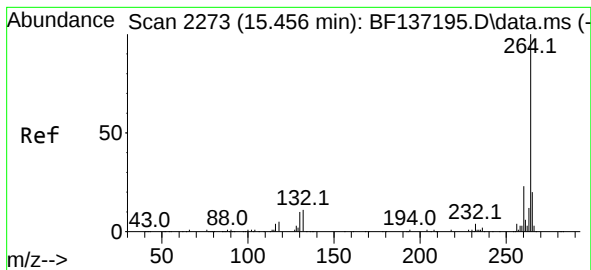
Tgt Ion:184 Resp: 12823  
Ion Ratio Lower Upper  
184 100  
185 16.7 11.9 17.9  
183 5.5 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 85.858 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. -0.012 min  
Lab File: BF137335.D  
Acq: 08 Feb 2024 13:20

Tgt Ion:244 Resp: 1057081  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.5 8.3  
122 10.0 6.2 9.4#





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.439 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: BF137335.D  
 Acq: 08 Feb 2024 13:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB158857BL

Tgt Ion:264 Resp: 140261  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.2 27.4  
 265 21.3 16.2 24.2

