

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020124\  
 Data File : BF137239.D  
 Acq On : 01 Feb 2024 18:54  
 Operator : CG\JU  
 Sample : P1311-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

Quant Time: Feb 02 01:16:05 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

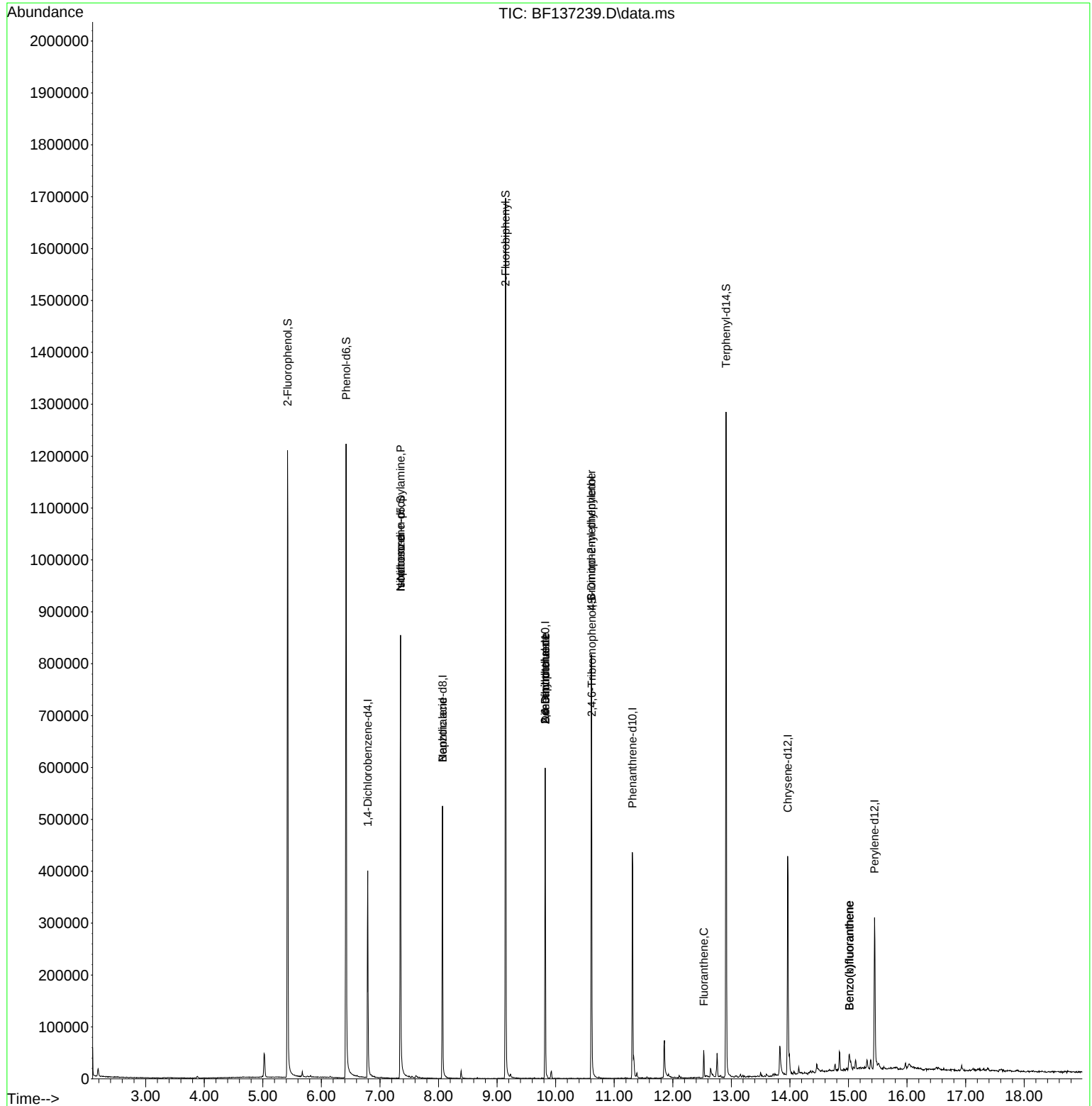
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 55255    | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 216256   | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 111173   | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 177699   | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 13.963 | 240  | 154313   | 20.000 | ng     | -0.01    |
| 86) Perylene-d12              | 15.445 | 264  | 143097   | 20.000 | ng     | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 324345   | 96.859 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.422  | 99   | 426260   | 89.198 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 279635   | 57.893 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 96631    | 76.964 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 472937   | 58.479 | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 457523   | 40.306 | ng     | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 35822    | 10.933 | ng     | # 78     |
| 25) Isophorone                | 7.351  | 82   | 279632   | 31.364 | ng     | # 67     |
| 32) Benzoic acid              | 8.069  | 122  | 53       | 8.342  | ng     | # 1      |
| 50) Dimethylphthalate         | 9.822  | 163  | 20812    | 2.771  | ng     | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 13971    | 8.723  | ng     | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 13971    | 6.723  | ng     | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 204      | 5.647  | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 6786     | 3.473  | ng     | # 1      |
| 75) Fluoranthene              | 12.527 | 202  | 23686    | 2.433  | ng     | 99       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 23404    | 2.659  | ng     | # 98     |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 23404    | 2.514  | ng     | # 98     |
| -----                         |        |      |          |        |        |          |

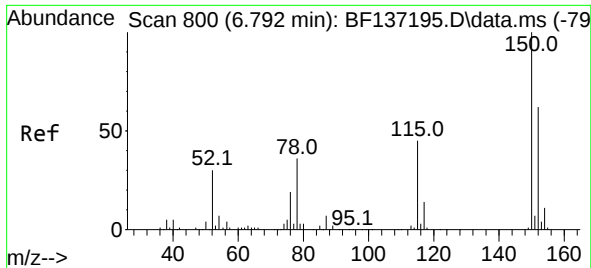
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 02 01:16:05 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

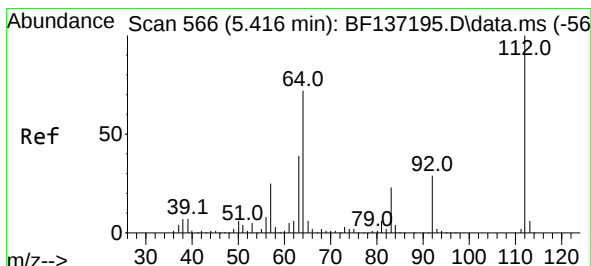
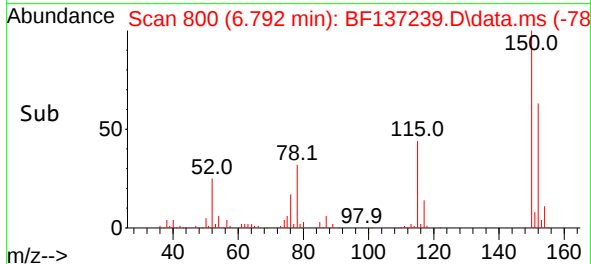
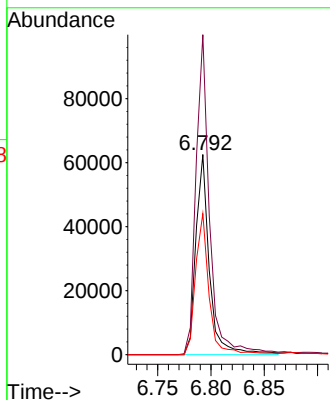
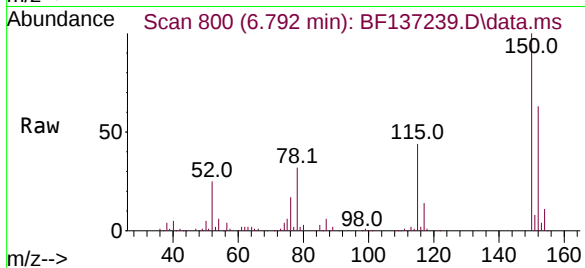




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

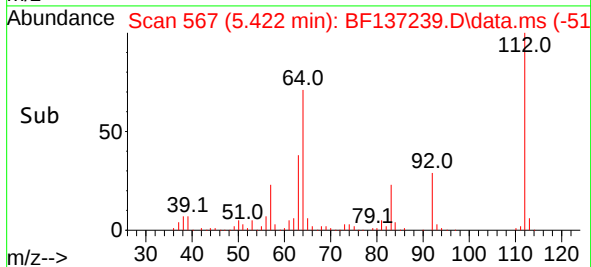
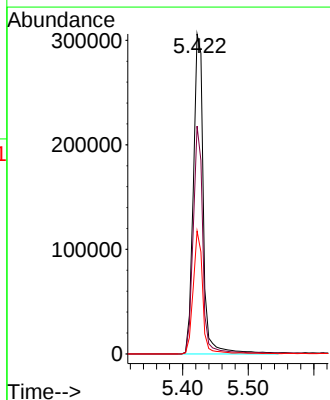
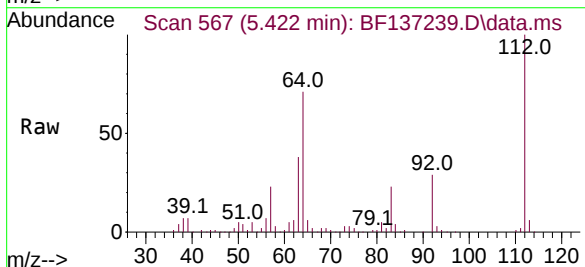
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

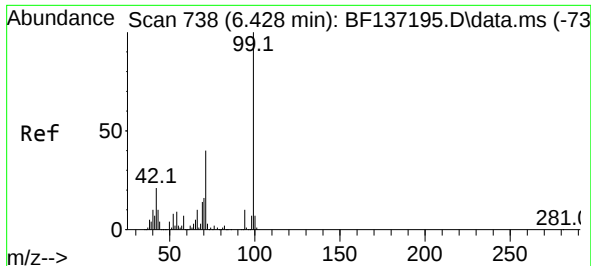
Tgt Ion:152 Resp: 55255  
Ion Ratio Lower Upper  
152 100  
150 160.0 129.8 194.8  
115 70.5 58.5 87.7



#5  
2-Fluorophenol  
Concen: 96.859 ng  
RT: 5.422 min Scan# 567  
Delta R.T. 0.006 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion:112 Resp: 324345  
Ion Ratio Lower Upper  
112 100  
64 71.2 57.8 86.6  
63 38.4 31.4 47.0

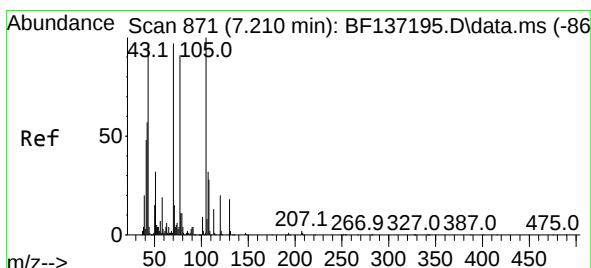
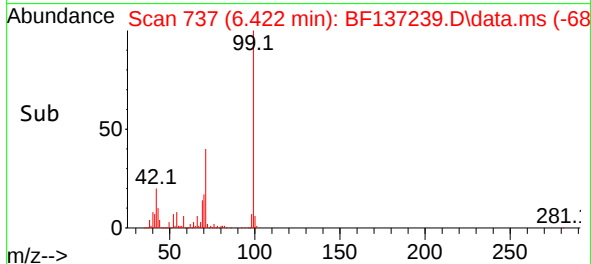
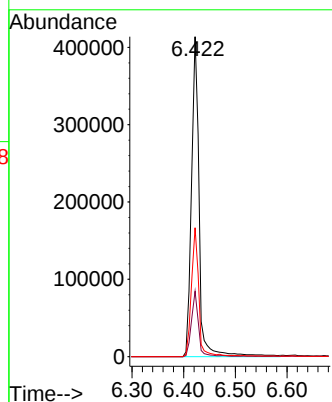
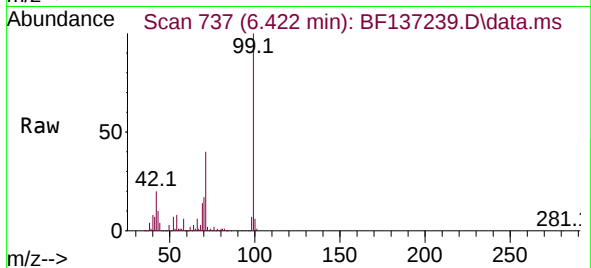




#7  
Phenol-d6  
Concen: 89.198 ng  
RT: 6.422 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

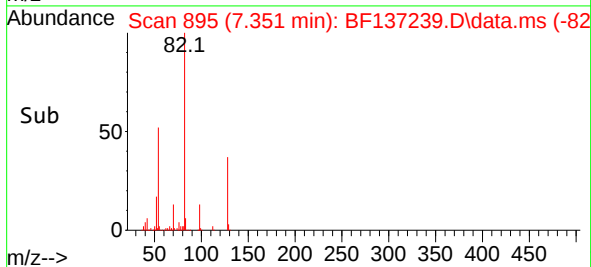
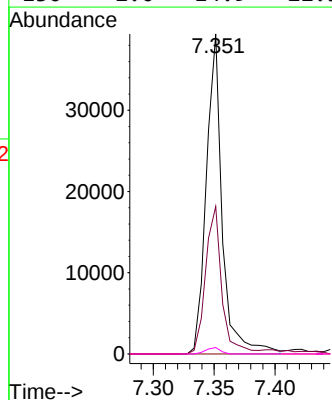
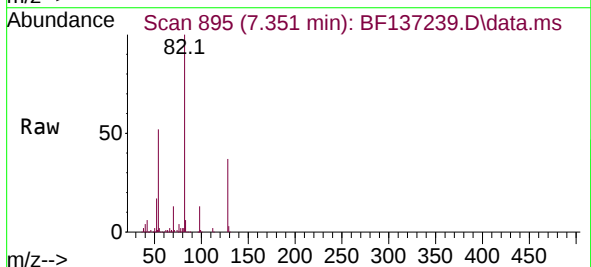
Instrument :  
BNA\_F  
ClientSampleId :  
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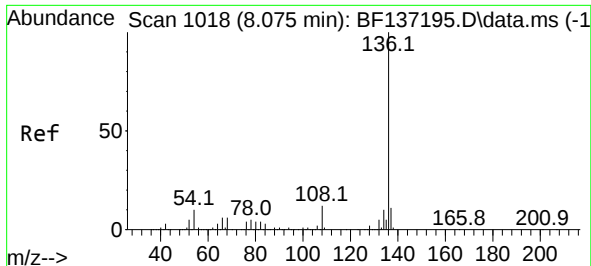
Tgt Ion: 99 Resp: 426260  
Ion Ratio Lower Upper  
99 100  
42 20.4 16.4 24.6  
71 40.3 32.4 48.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.933 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.141 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion: 70 Resp: 35822  
Ion Ratio Lower Upper  
70 100  
42 46.1 47.2 70.8#  
101 0.0 7.4 11.0#  
130 2.0 14.9 22.3#



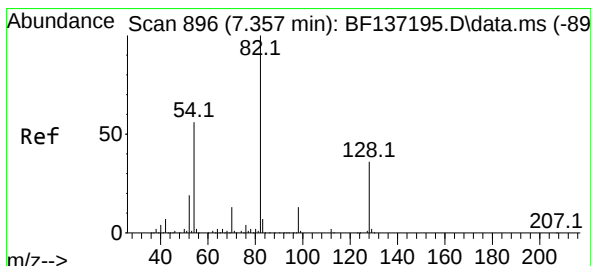
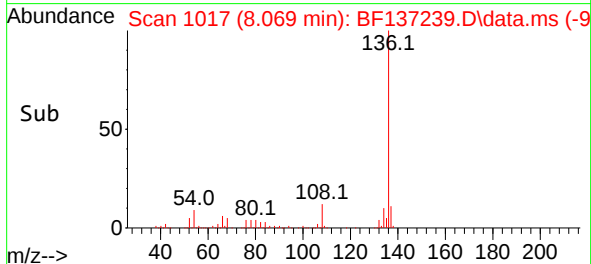
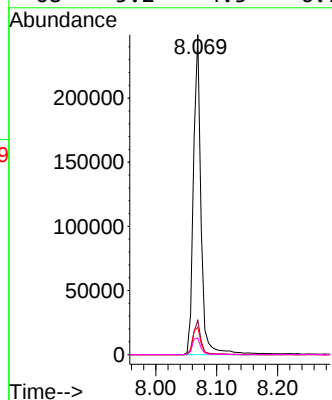
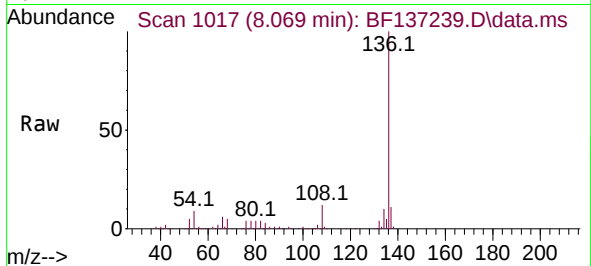


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Instrument :  
BNA\_F  
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Tgt Ion:136 Resp: 216256

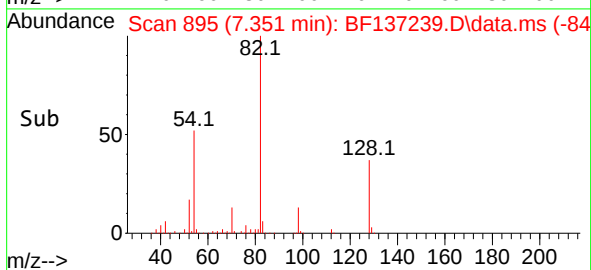
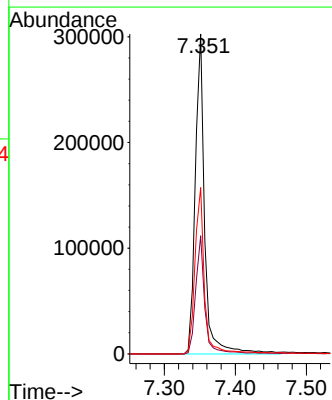
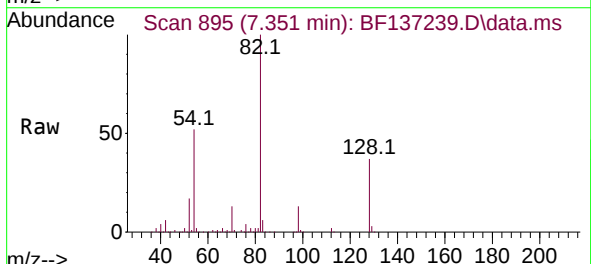
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 8.6   | 7.8   | 11.8  |
| 68  | 5.2   | 4.5   | 6.7   |

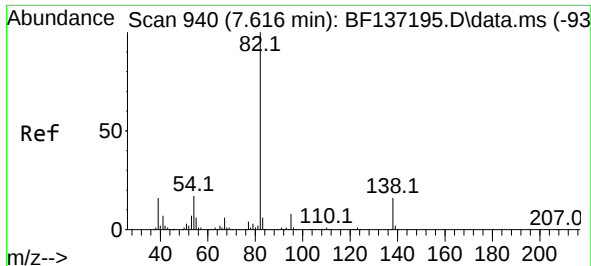


#23  
Nitrobenzene-d5  
Concen: 57.893 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion: 82 Resp: 279635

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.9  | 29.1  | 43.7  |
| 54  | 52.0  | 45.0  | 67.6  |

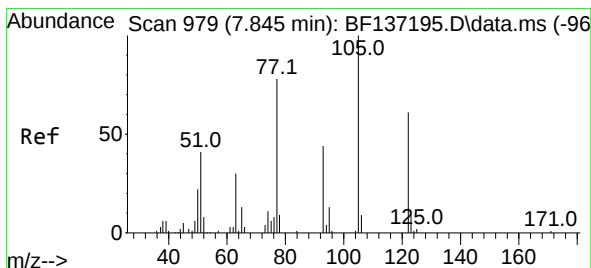
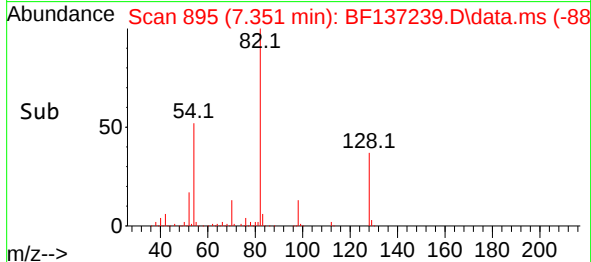
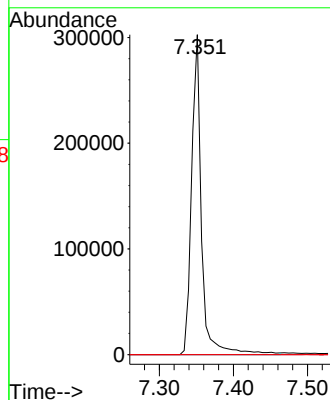
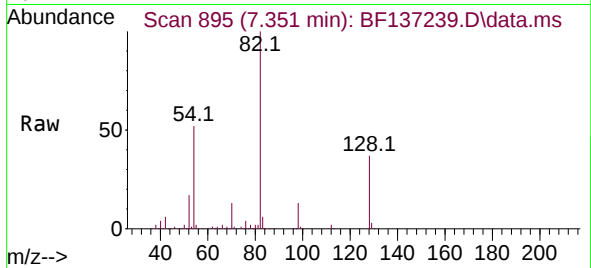




#25  
Isophorone  
Concen: 31.364 ng  
RT: 7.351 min Scan# 89  
Delta R.T. -0.265 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

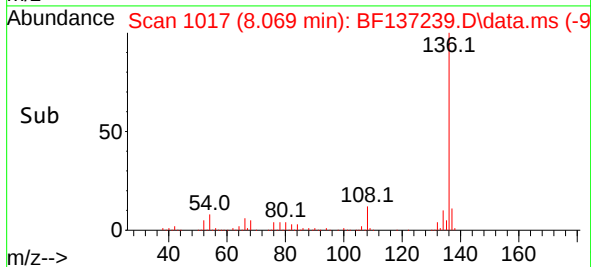
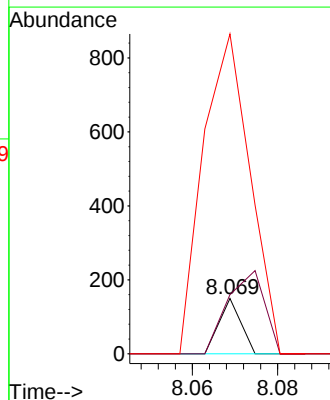
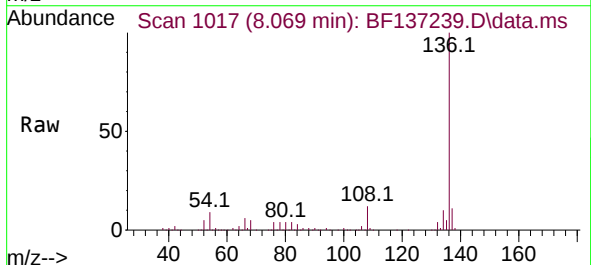
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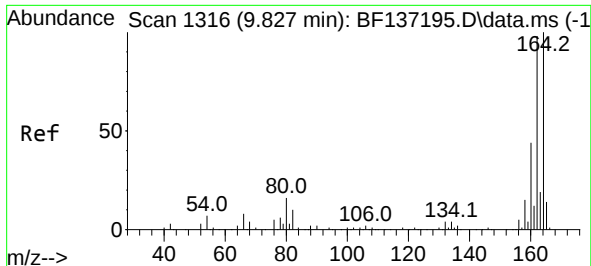
Tgt Ion: 82 Resp: 279632  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 12.7 19.1#



#32  
Benzoic acid  
Concen: 8.342 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. 0.224 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion: 122 Resp: 53  
Ion Ratio Lower Upper  
122 100  
105 106.7 122.5 162.5#  
77 576.7 96.4 136.4#

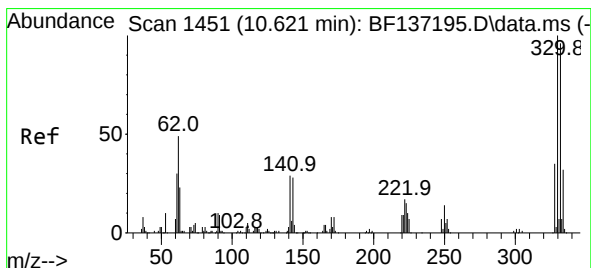
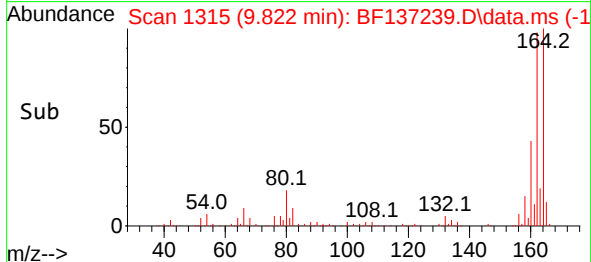
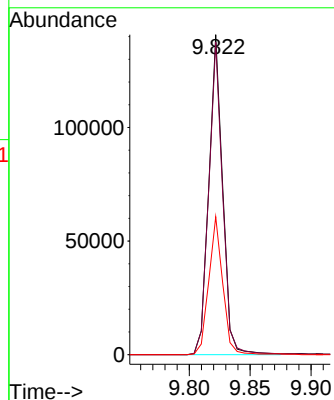
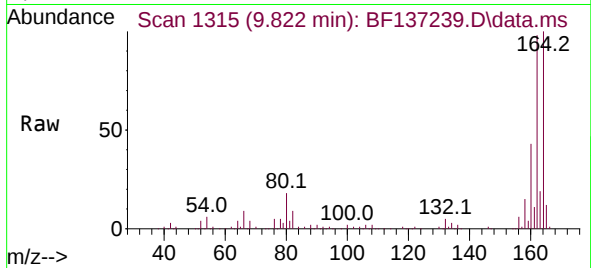




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1316  
Delta R.T. -0.005 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

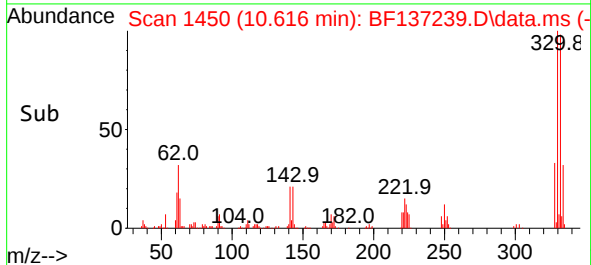
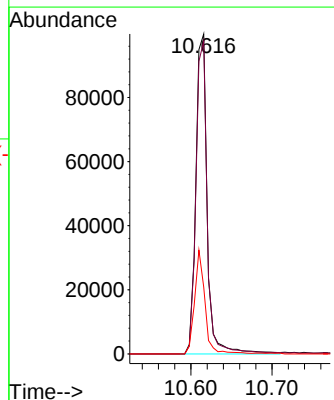
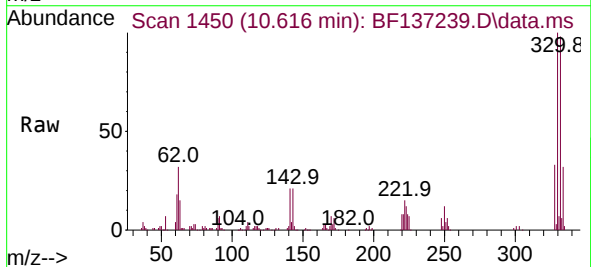
Instrument :  
BNA\_F  
ClientSampleId :  
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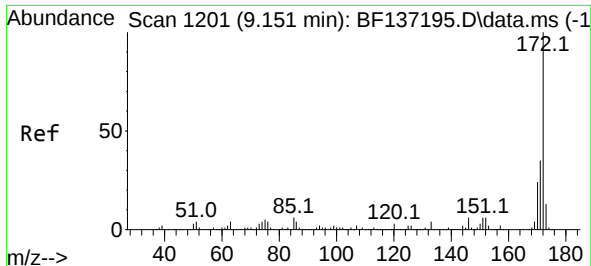
Tgt Ion:164 Resp: 111173  
Ion Ratio Lower Upper  
164 100  
162 97.6 78.3 117.5  
160 43.1 35.4 53.2



#42  
2,4,6-Tribromophenol  
Concen: 76.964 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion:330 Resp: 96631  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.3 115.9  
141 29.4 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 58.479 ng

RT: 9.145 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF137239.D

Acq: 01 Feb 2024 18:54

Instrument :

BNA\_F

ClientSampleId :

TP-2

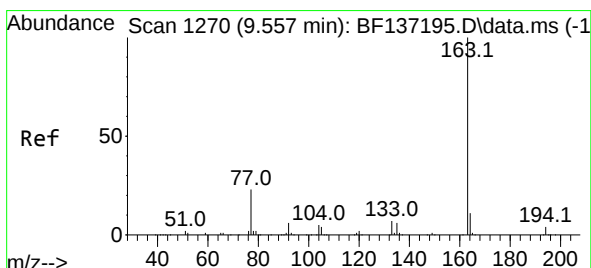
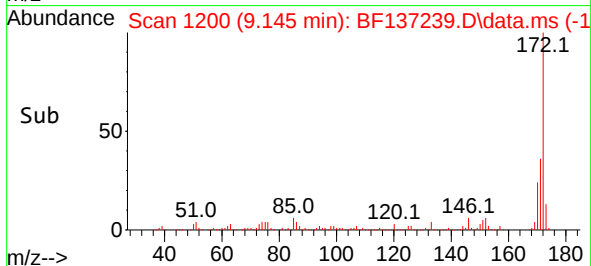
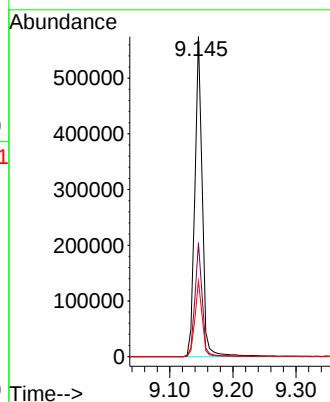
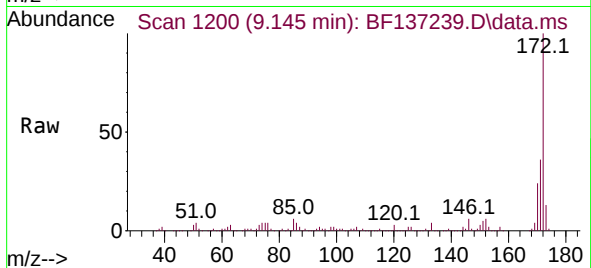
Tgt Ion:172 Resp: 472937

Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.6 19.1 28.7



#50

Dimethylphthalate

Concen: 2.771 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137239.D

Acq: 01 Feb 2024 18:54

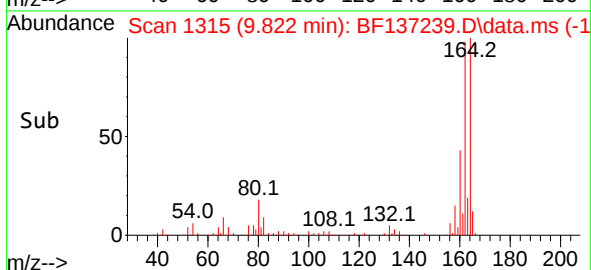
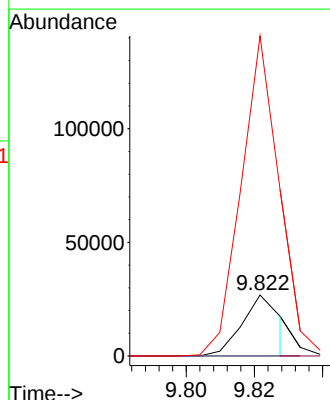
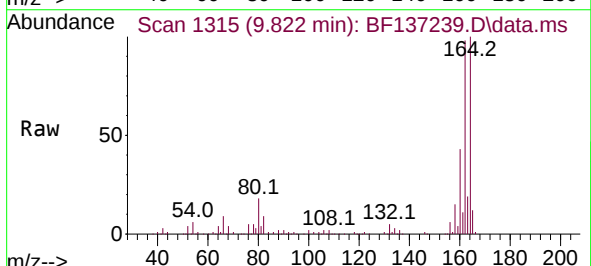
Tgt Ion:163 Resp: 20812

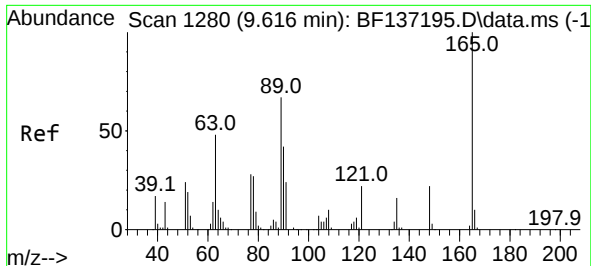
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 525.3 8.6 13.0#

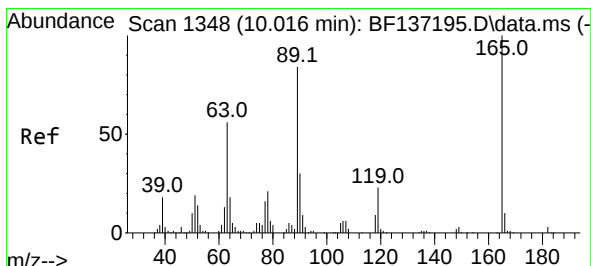
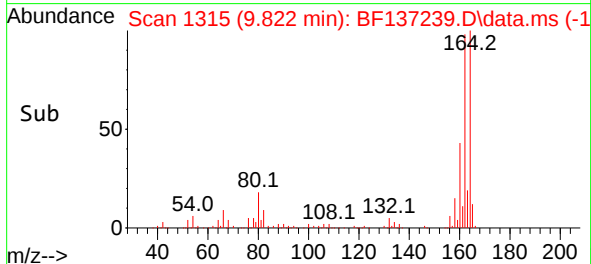
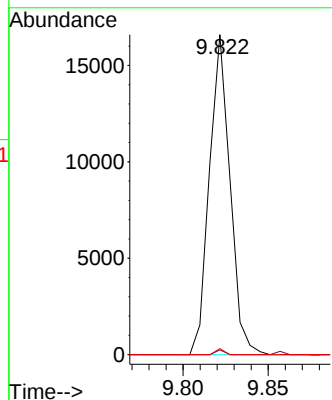
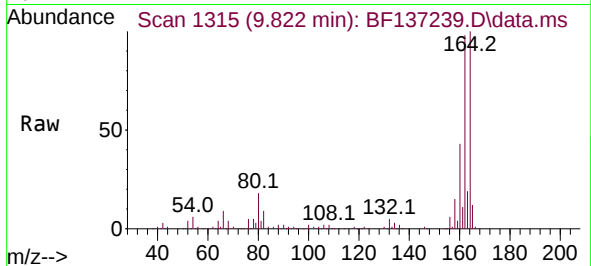




#51  
2,6-Dinitrotoluene  
Concen: 8.723 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.206 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

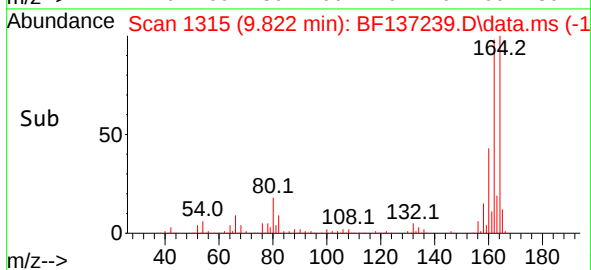
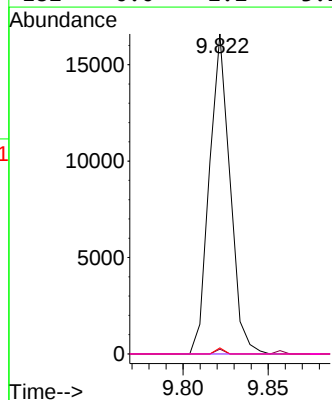
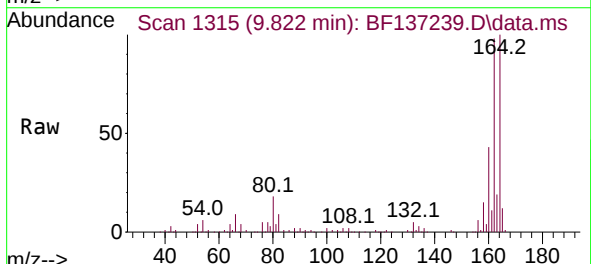
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

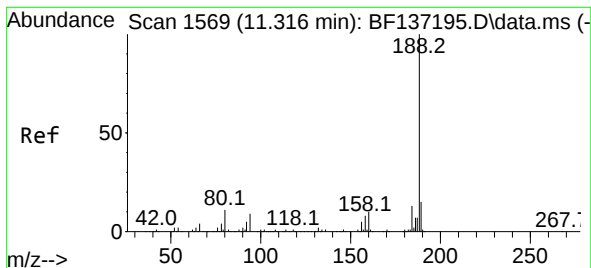
Tgt Ion:165 Resp: 13971  
Ion Ratio Lower Upper  
165 100  
63 1.5 55.1 82.7#  
89 1.9 53.5 80.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.723 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.194 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion:165 Resp: 13971  
Ion Ratio Lower Upper  
165 100  
63 1.5 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: BF137239.D

Acq: 01 Feb 2024 18:54

Instrument :

BNA\_F

ClientSampleId :

TP-2

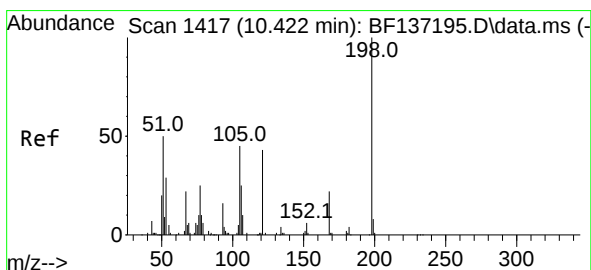
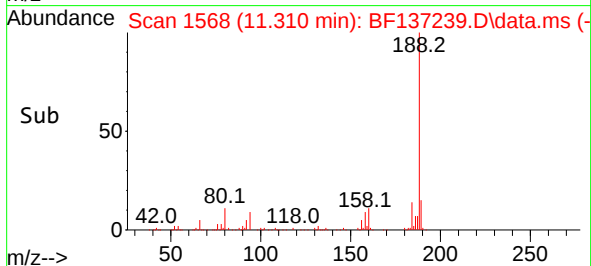
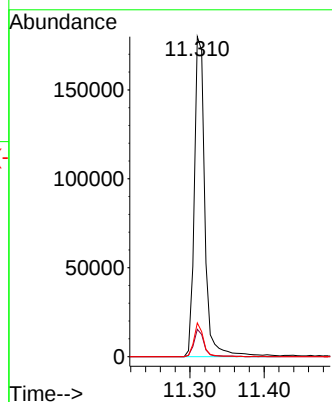
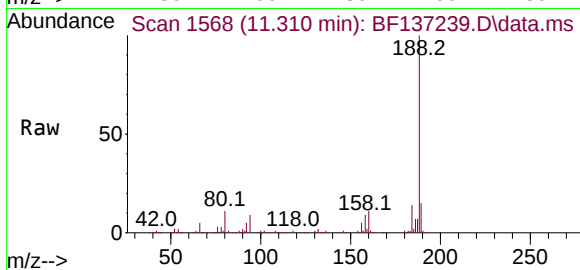
Tgt Ion:188 Resp: 177699

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

80 10.5 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.647 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137239.D

Acq: 01 Feb 2024 18:54

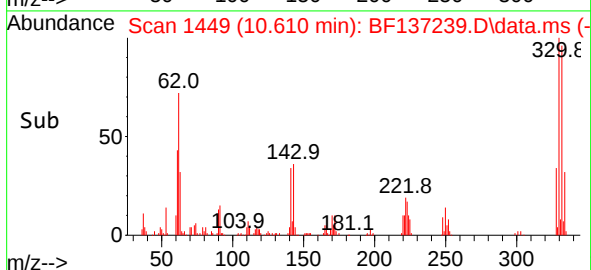
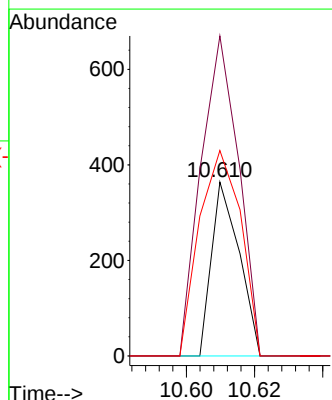
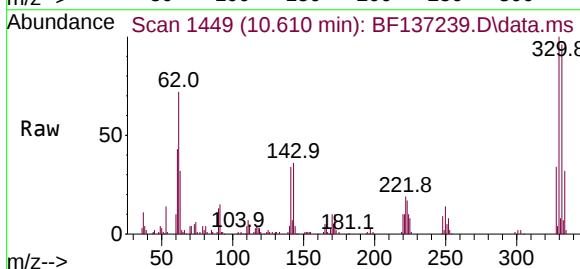
Tgt Ion:198 Resp: 204

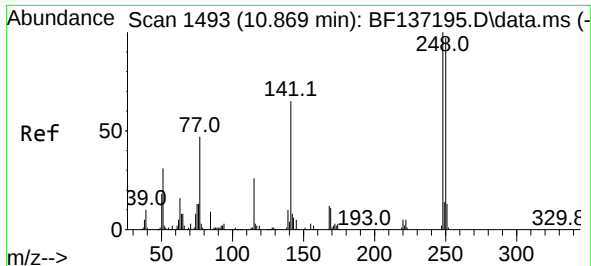
Ion Ratio Lower Upper

198 100

51 184.1 40.9 80.9#

105 118.1 26.5 66.5#

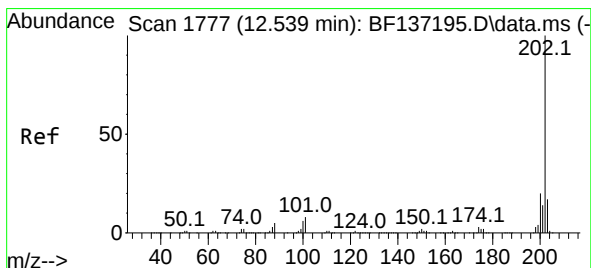
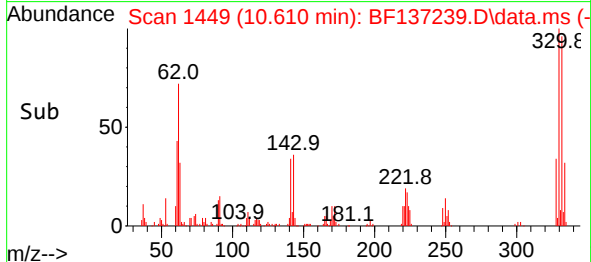
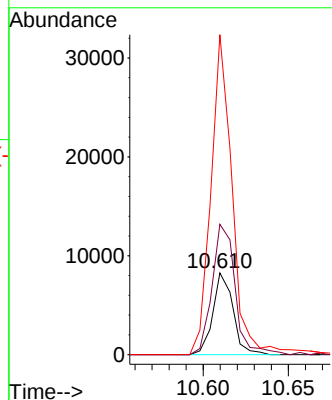
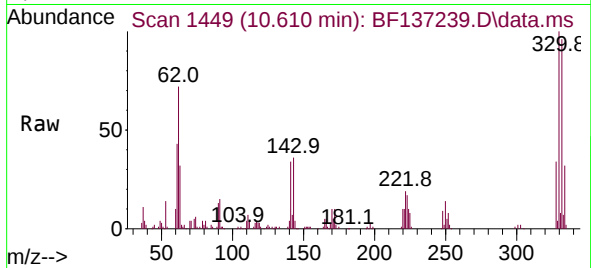




#67  
4-Bromophenyl-phenylether  
Concen: 3.473 ng  
RT: 10.610 min Scan# 1493  
Delta R.T. -0.259 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

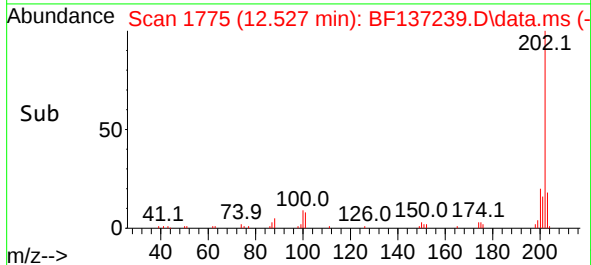
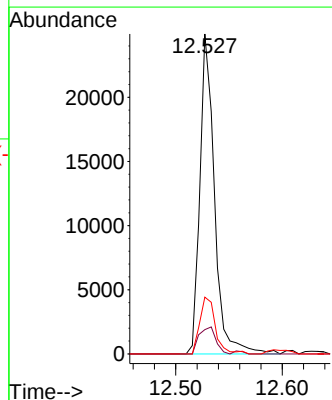
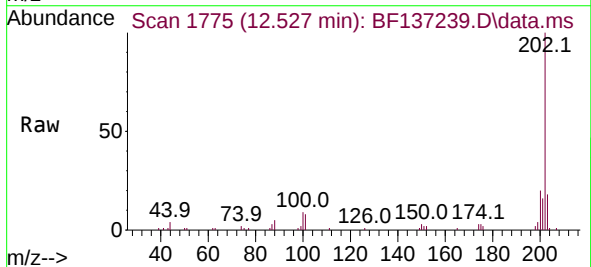
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

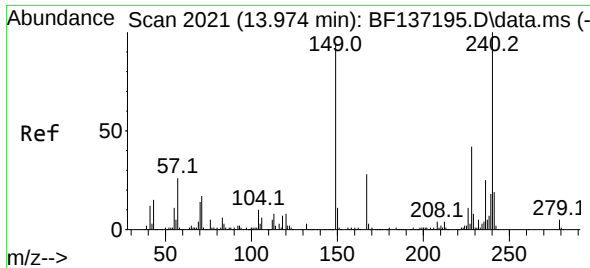
Tgt Ion:248 Resp: 6786  
Ion Ratio Lower Upper  
248 100  
250 159.5 77.7 116.5#  
141 391.4 51.6 77.4#



#75  
Fluoranthene  
Concen: 2.433 ng  
RT: 12.527 min Scan# 1775  
Delta R.T. -0.012 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion:202 Resp: 23686  
Ion Ratio Lower Upper  
202 100  
101 7.6 0.0 28.4  
203 17.7 0.0 37.3

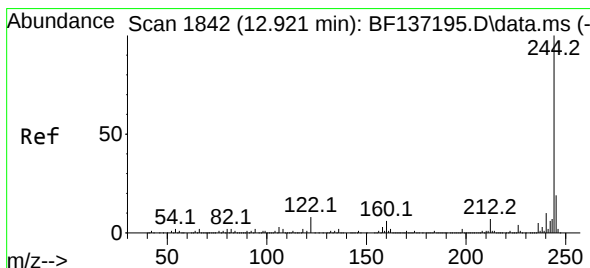
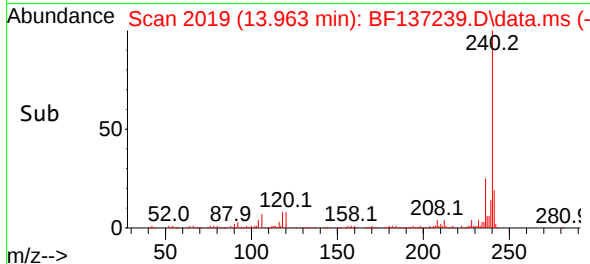
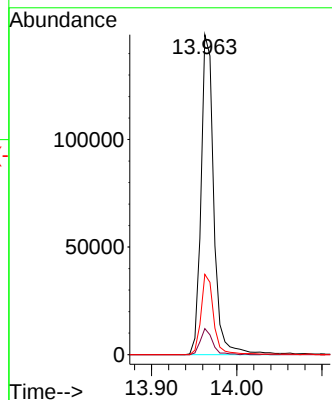
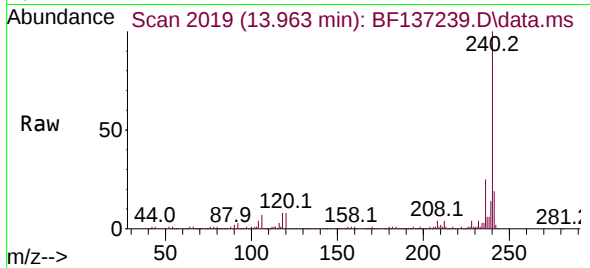




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

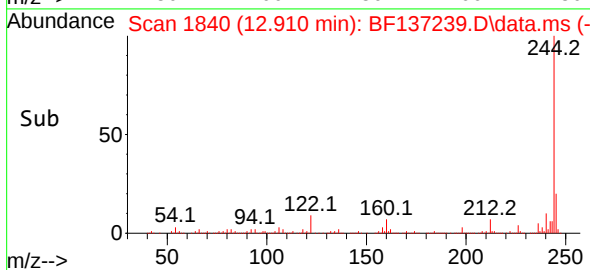
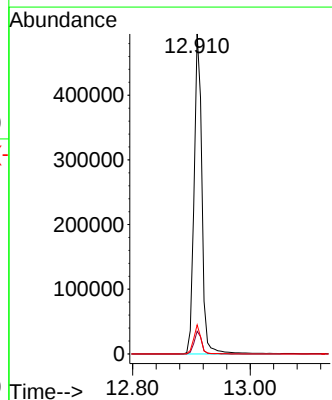
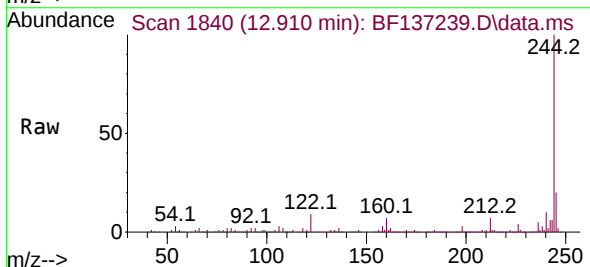
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

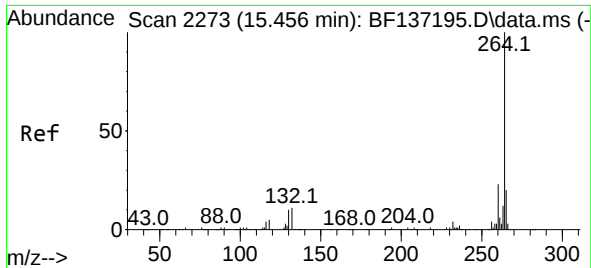
Tgt Ion:240 Resp: 154313  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.3 9.5  
236 25.1 20.3 30.5



#79  
Terphenyl-d14  
Concen: 40.306 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. -0.012 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Tgt Ion:244 Resp: 457523  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.5 8.3  
122 9.1 6.2 9.4

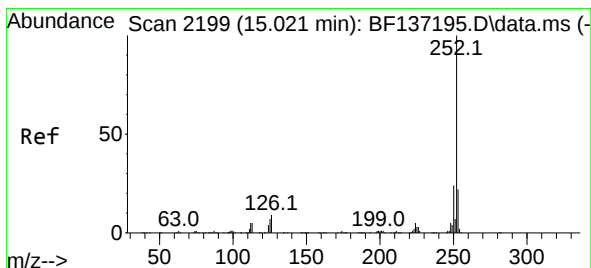
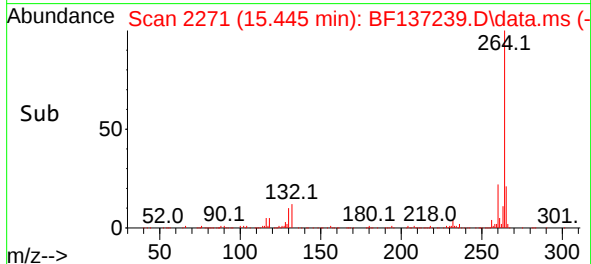
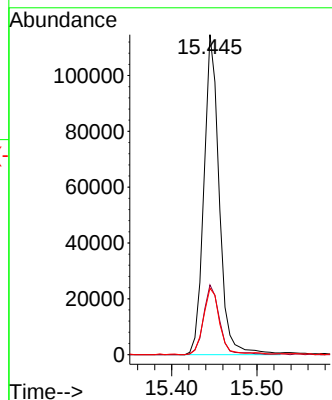
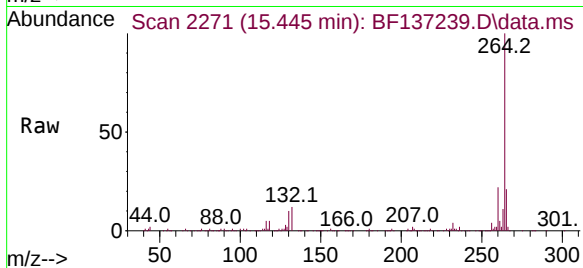




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

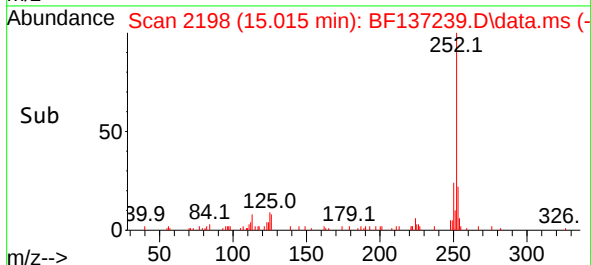
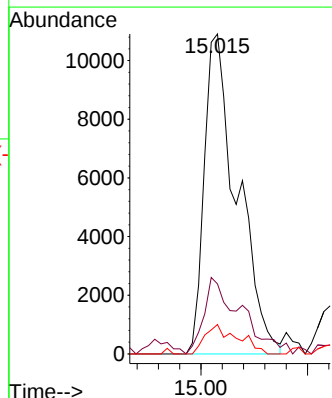
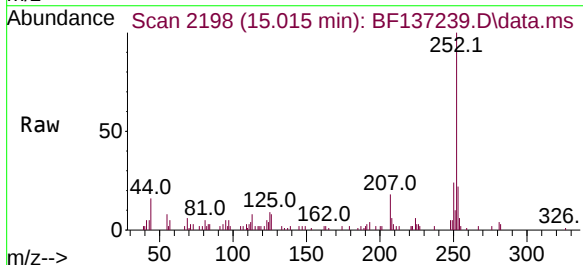
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

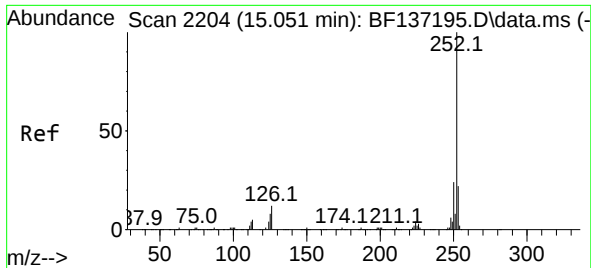
Tgt Ion:264 Resp: 143097  
Ion Ratio Lower Upper  
264 100  
260 21.8 18.2 27.4  
265 20.7 16.2 24.2



#88  
Benzo(b)fluoranthene  
Concen: 2.659 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

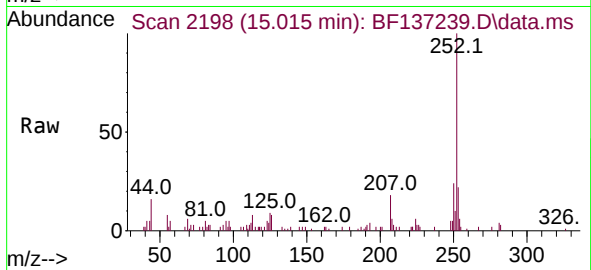
Tgt Ion:252 Resp: 23404  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.9 26.9  
125 9.2 5.4 8.2#





#89  
Benzo(k)fluoranthene  
Concen: 2.514 ng  
RT: 15.015 min Scan# 21  
Delta R.T. -0.035 min  
Lab File: BF137239.D  
Acq: 01 Feb 2024 18:54

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2



Tgt Ion:252 Resp: 23404  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.6  
125 9.2 5.9 8.9#

