

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121622\  
 Data File : BF131678.D  
 Acq On : 16 Dec 2022 21:28  
 Operator : CG\JU  
 Sample : N6037-20  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-26-(2-4)

Quant Time: Dec 17 03:59:06 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 16 01:44:46 2022  
 Response via : Initial Calibration

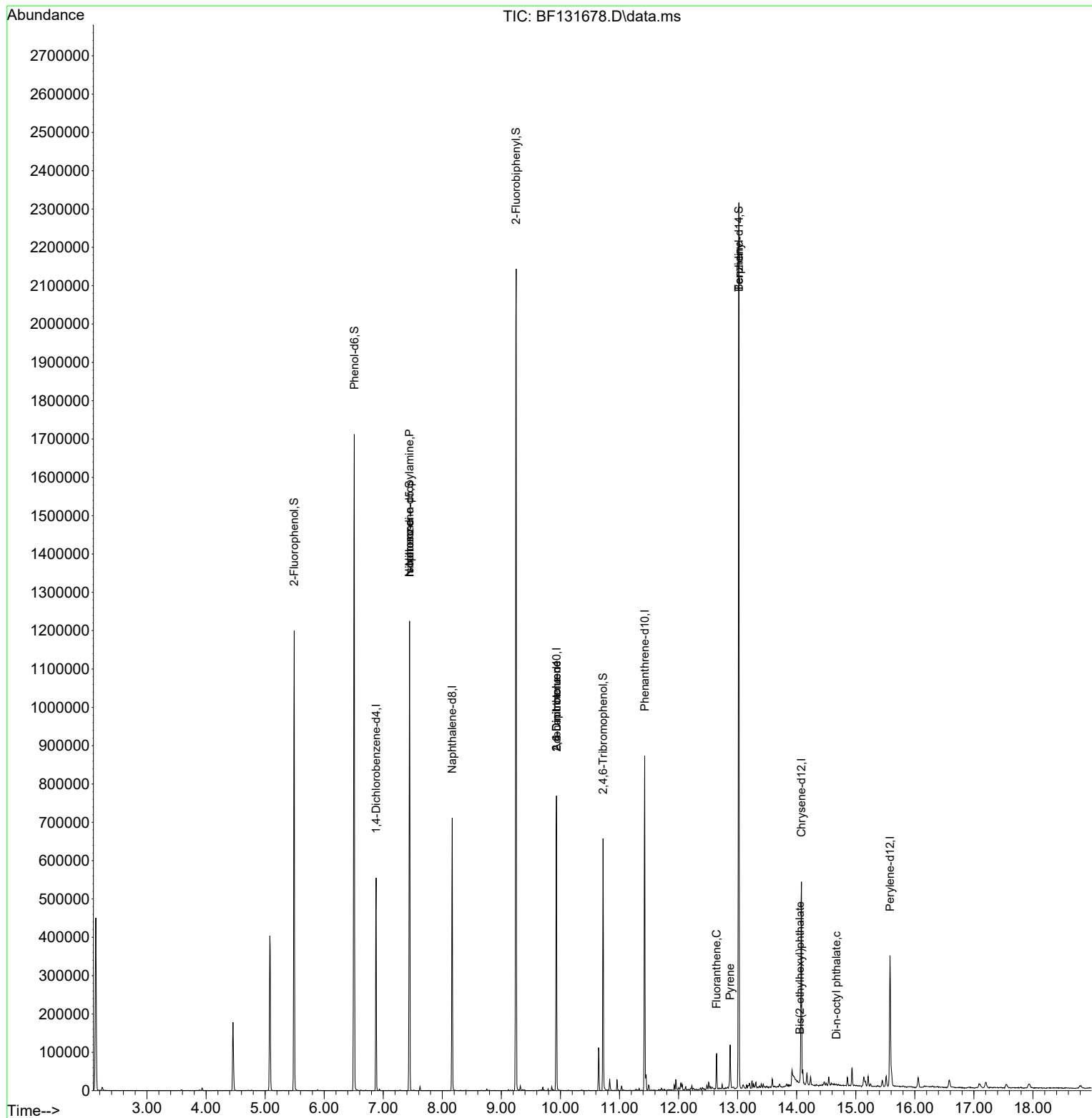
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 72896    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 266978   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.933  | 164  | 149900   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 293577   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.080 | 240  | 168937   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.580 | 264  | 157677   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 275306   | 63.006 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 543956   | 94.999 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 389976   | 55.225 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 62202    | 37.349 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 659108   | 55.440 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.021 | 244  | 745781   | 60.541 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 54449    | 12.682 | ng    | # 76     |
| 25) Isophorone                | 7.445  | 82   | 389968   | 34.284 | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.933  | 165  | 18944    | 8.030  | ng    | # 10     |
| 57) 2,4-Dinitrotoluene        | 9.933  | 165  | 18944    | 6.054  | ng    | # 16     |
| 75) Fluoranthene              | 12.645 | 202  | 36246    | 2.151  | ng    | 98       |
| 77) Benzidine                 | 13.021 | 184  | 11686    | 2.582  | ng    | # 91     |
| 78) Pyrene                    | 12.874 | 202  | 43252    | 2.596  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.057 | 149  | 2192     | 3.345  | ng    | # 86     |
| 85) Di-n-octyl phthalate      | 14.674 | 149  | 60       | 5.224  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

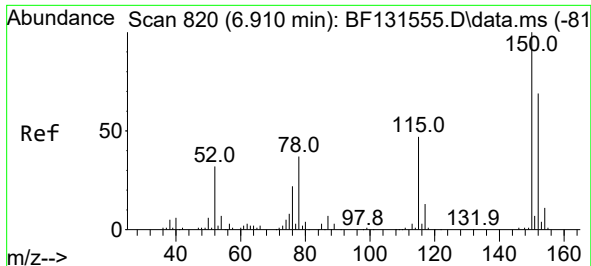
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N6037-20  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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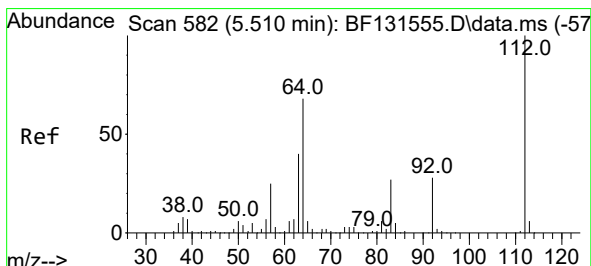
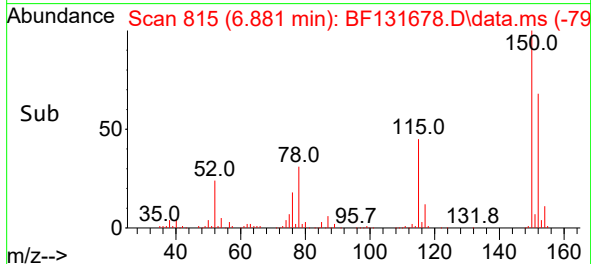
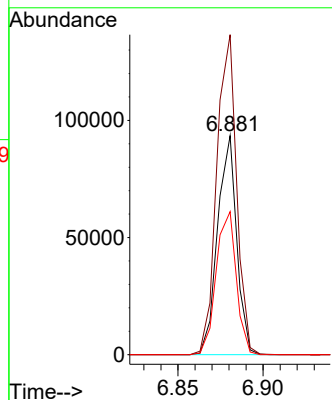
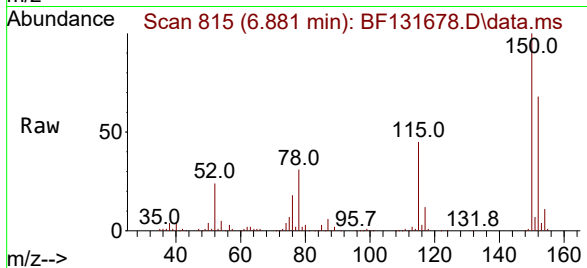




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

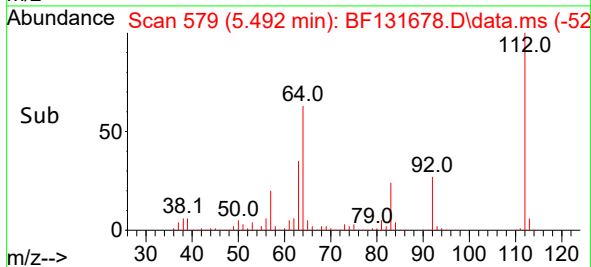
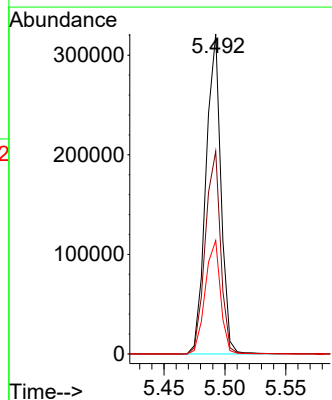
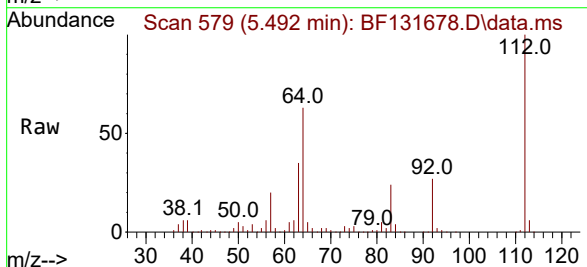
Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

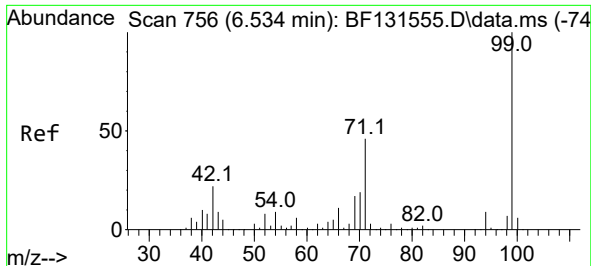
Tgt Ion:152 Resp: 72896  
Ion Ratio Lower Upper  
152 100  
150 146.1 116.7 175.1  
115 65.3 54.6 82.0



#5  
2-Fluorophenol  
Concen: 63.006 ng  
RT: 5.492 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:112 Resp: 275306  
Ion Ratio Lower Upper  
112 100  
64 63.4 54.5 81.7  
63 35.4 31.9 47.9

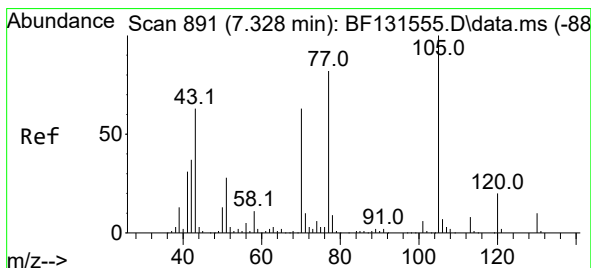
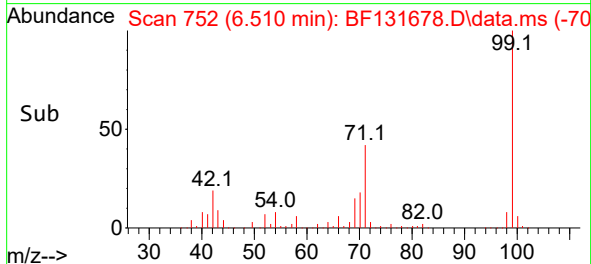
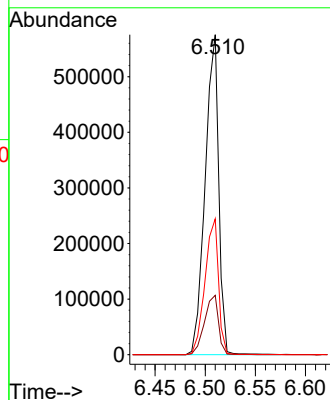
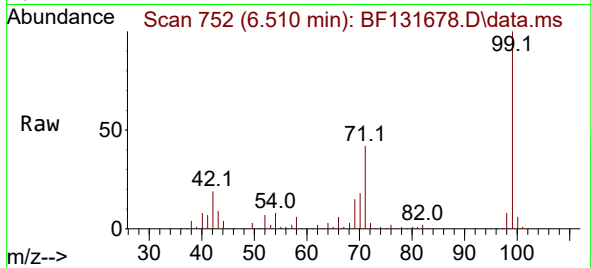




#7  
Phenol-d6  
Concen: 94.999 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

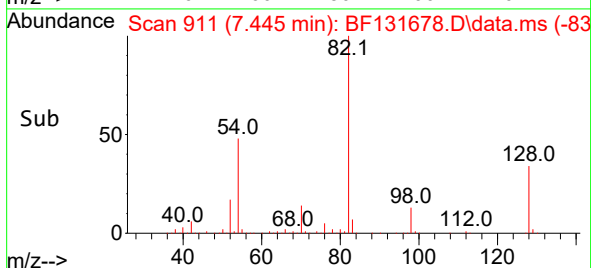
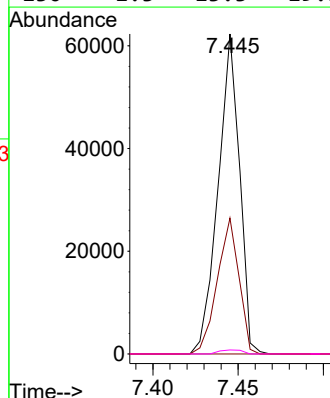
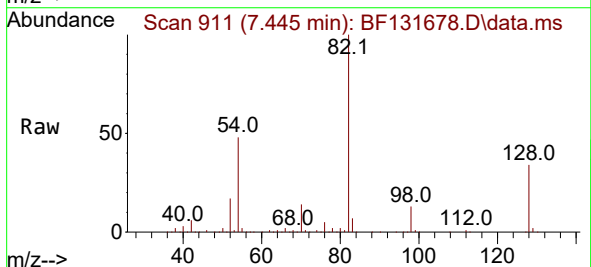
Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

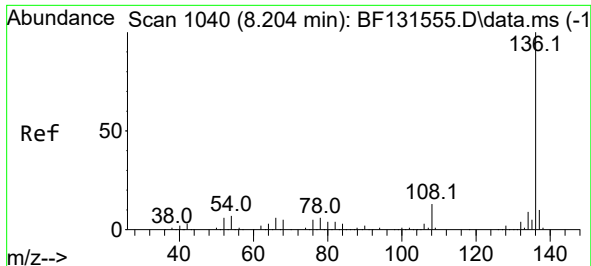
Tgt Ion: 99 Resp: 543956  
Ion Ratio Lower Upper  
99 100  
42 18.5 17.9 26.9  
71 42.4 37.2 55.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.682 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.147 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion: 70 Resp: 54449  
Ion Ratio Lower Upper  
70 100  
42 42.5 46.4 69.6#  
101 0.0 7.2 10.8#  
130 1.3 13.3 19.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1040

Delta R.T. -0.006 min

Lab File: BF131678.D

Acq: 16 Dec 2022 21:28

Instrument :

BNA\_F

ClientSampleId :

RB-26-(2-4)

Tgt Ion:136 Resp: 266978

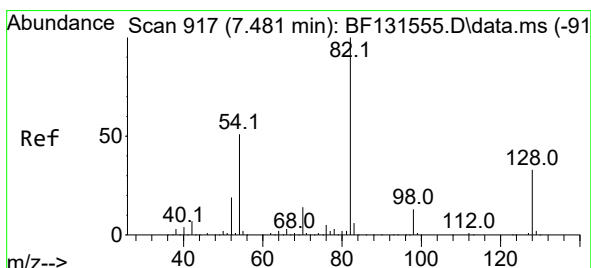
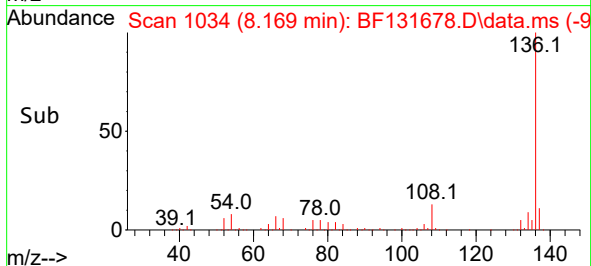
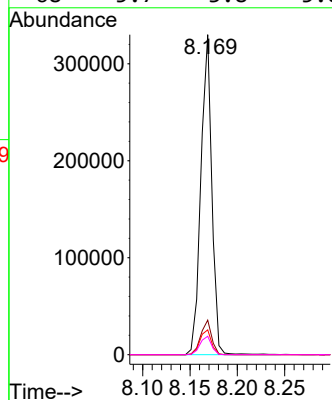
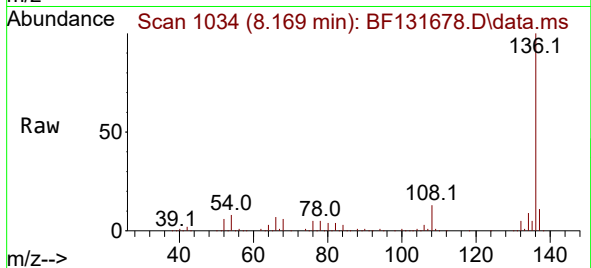
Ion Ratio Lower Upper

136 100

137 10.8 8.1 12.1

54 7.7 6.0 9.0

68 5.7 3.8 5.8



#23

Nitrobenzene-d5

Concen: 55.225 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF131678.D

Acq: 16 Dec 2022 21:28

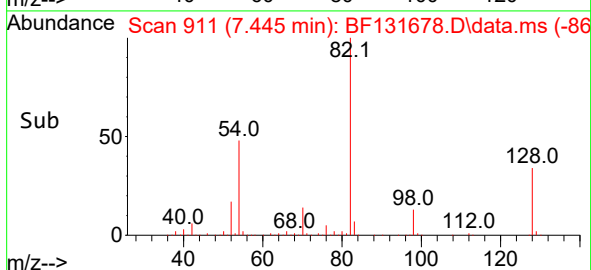
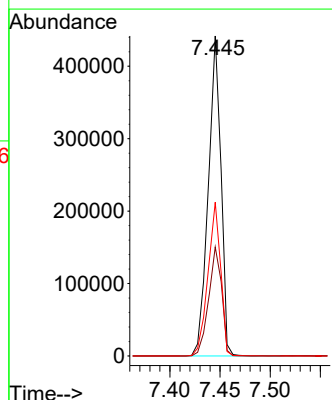
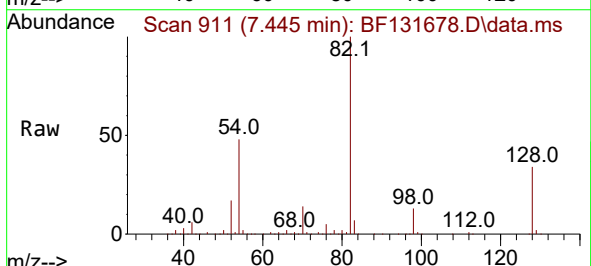
Tgt Ion: 82 Resp: 389976

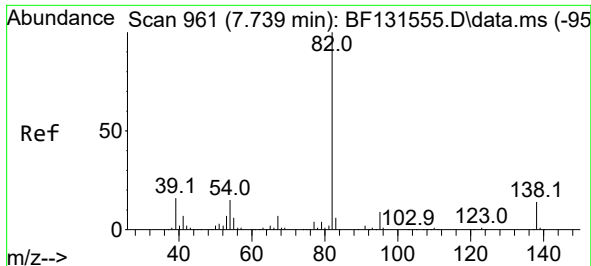
Ion Ratio Lower Upper

82 100

128 34.0 26.1 39.1

54 48.1 40.6 60.8

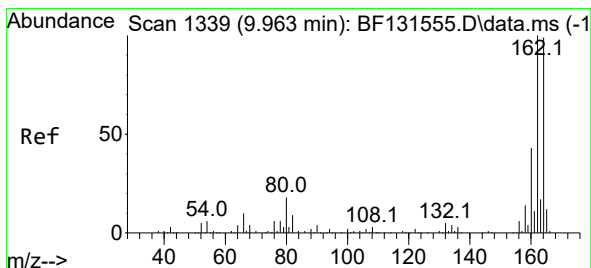
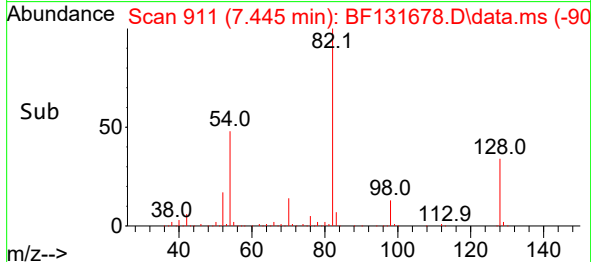
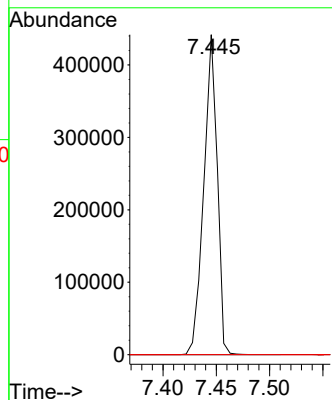
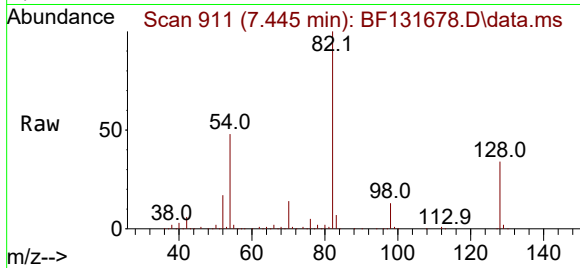




#25  
Isophorone  
Concen: 34.284 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.265 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

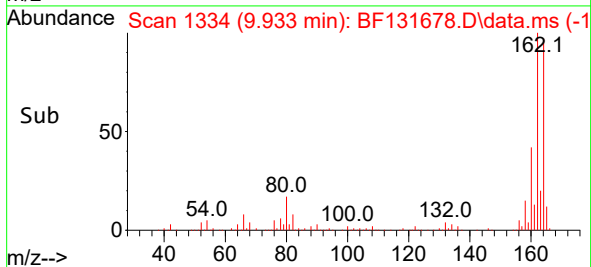
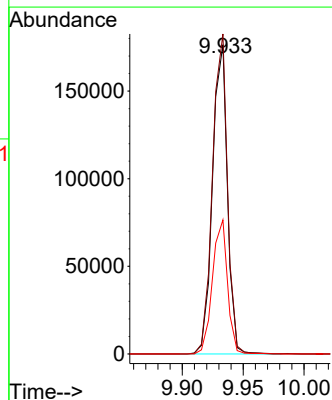
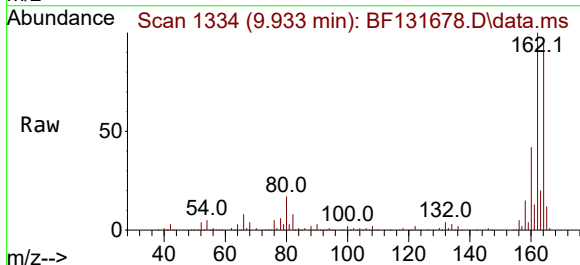
Instrument :  
BNA\_F  
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RB-26-(2-4)

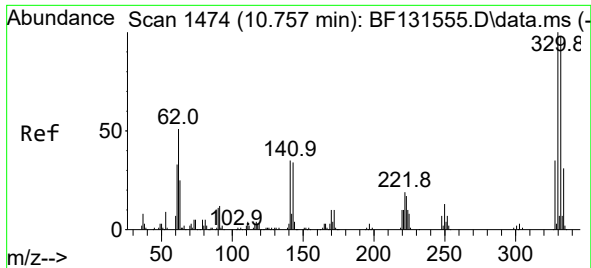
Tgt Ion: 82 Resp: 389968  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.9 10.3#  
138 0.0 11.4 17.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

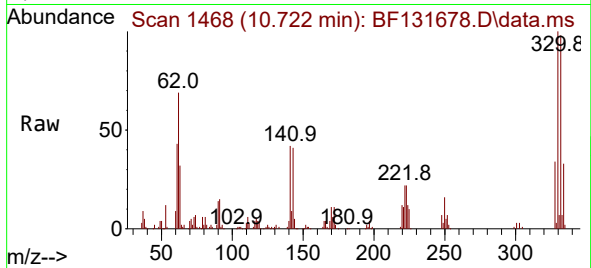
Tgt Ion:164 Resp: 149900  
Ion Ratio Lower Upper  
164 100  
162 103.4 81.0 121.6  
160 43.4 35.0 52.6



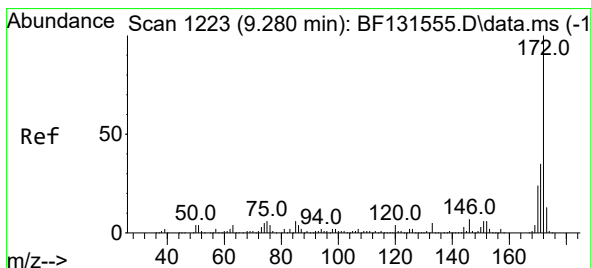
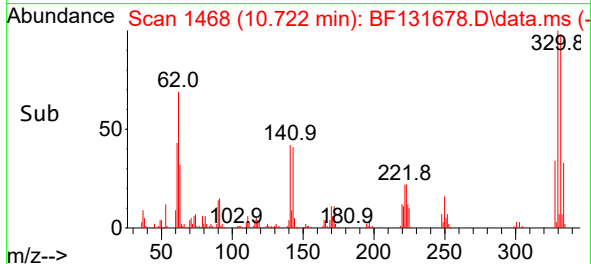
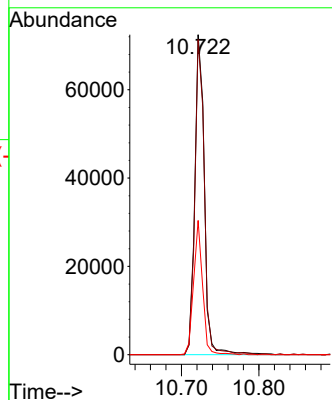


#42  
2,4,6-Tribromophenol  
Concen: 37.349 ng  
RT: 10.722 min Scan# 1474  
Delta R.T. -0.012 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

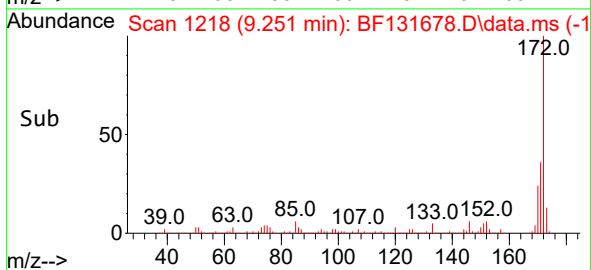
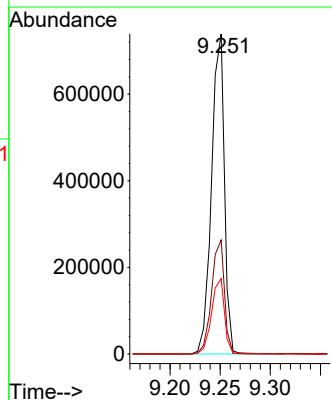
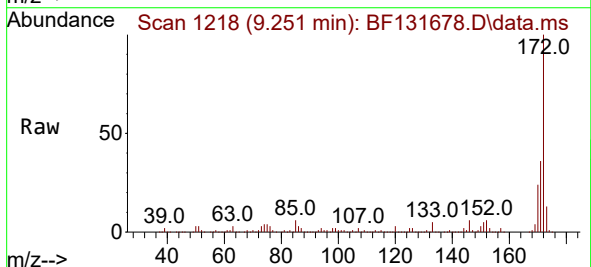


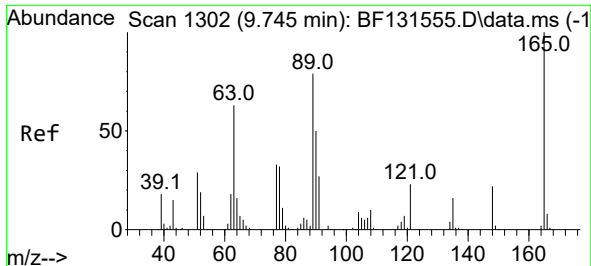
Tgt Ion:330 Resp: 62202  
Ion Ratio Lower Upper  
330 100  
332 97.3 78.3 117.5  
141 39.3 32.6 49.0



#45  
2-Fluorobiphenyl  
Concen: 55.440 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:172 Resp: 659108  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.3 42.5  
170 23.6 19.3 28.9

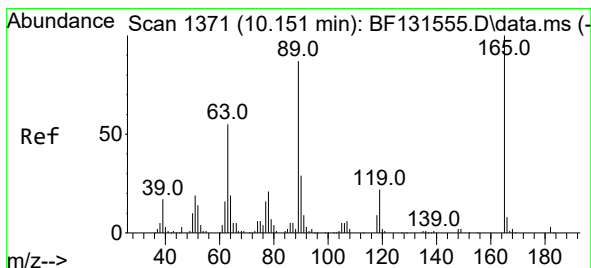
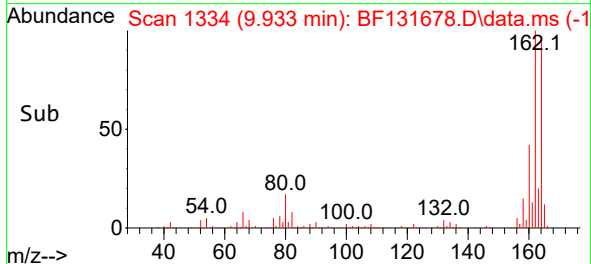
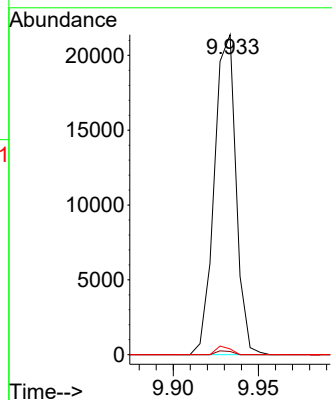
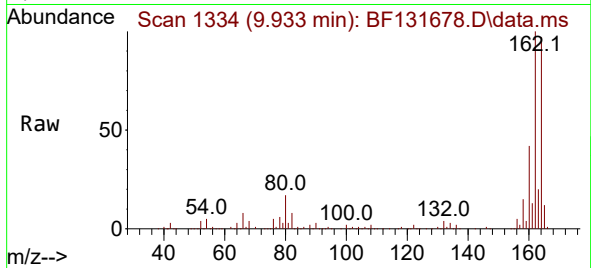




#51  
2,6-Dinitrotoluene  
Concen: 8.030 ng  
RT: 9.933 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

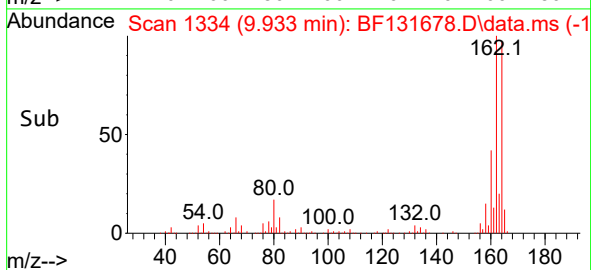
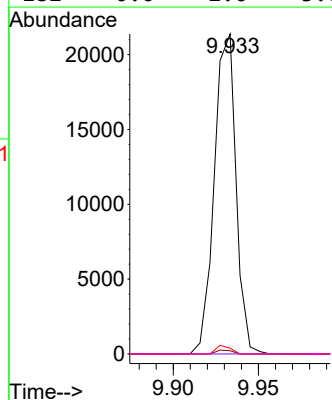
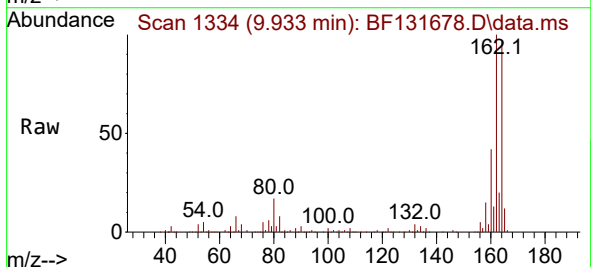
Instrument :  
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ClientSampleId :  
RB-26-(2-4)

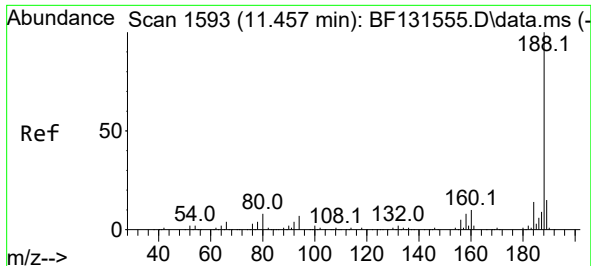
Tgt Ion:165 Resp: 18944  
Ion Ratio Lower Upper  
165 100  
63 1.0 67.9 101.9#  
89 1.8 63.2 94.8#



#57  
2,4-Dinitrotoluene  
Concen: 6.054 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. -0.194 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:165 Resp: 18944  
Ion Ratio Lower Upper  
165 100  
63 1.0 44.4 66.6#  
89 1.8 69.6 104.4#  
182 0.0 2.0 3.0#

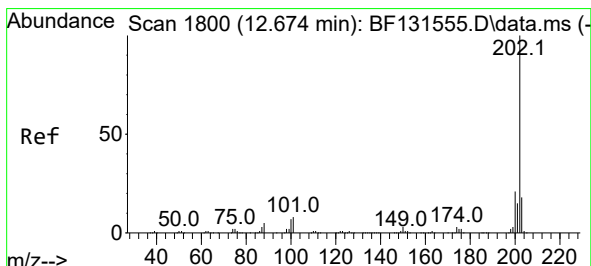
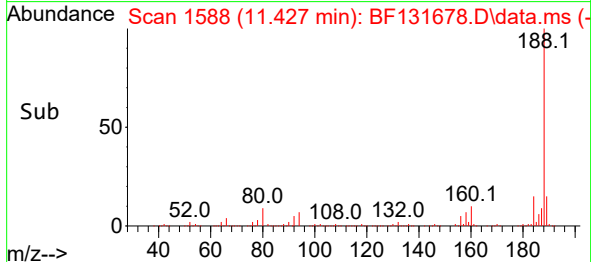
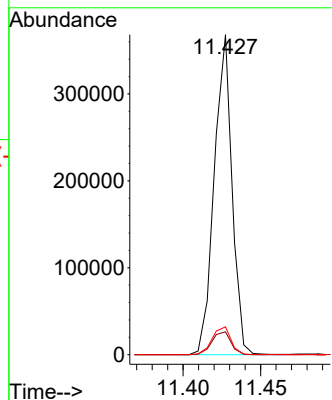
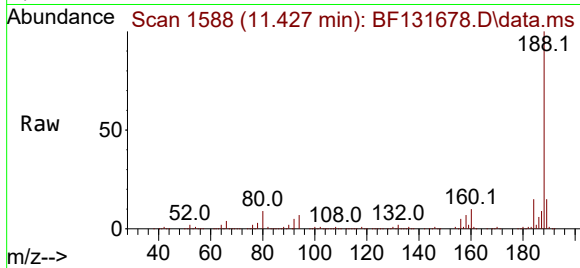




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.427 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

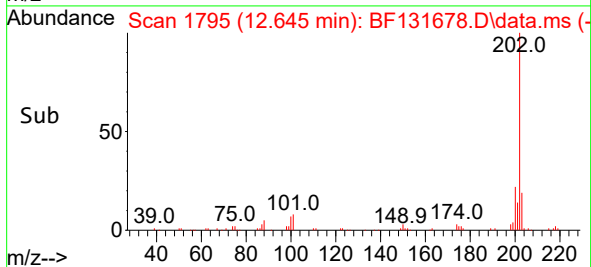
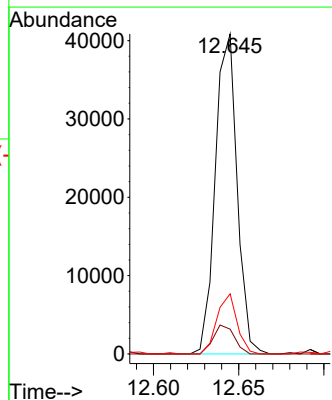
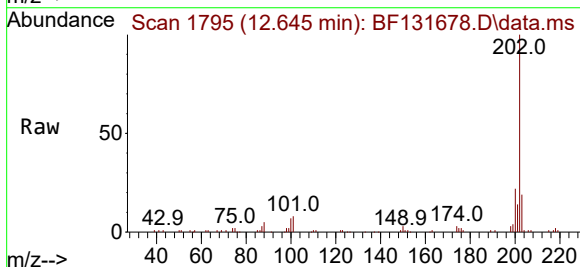
Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

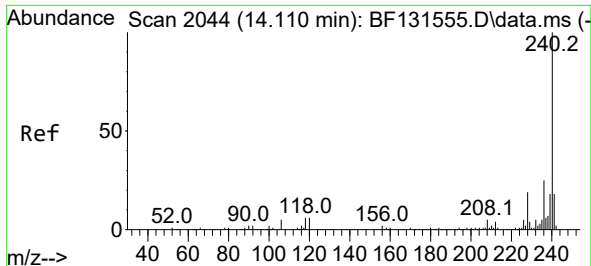
Tgt Ion:188 Resp: 293577  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.5 8.3  
80 8.7 6.6 10.0



#75  
Fluoranthene  
Concen: 2.151 ng  
RT: 12.645 min Scan# 1795  
Delta R.T. -0.006 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:202 Resp: 36246  
Ion Ratio Lower Upper  
202 100  
101 7.7 0.0 27.7  
203 18.8 0.0 37.7

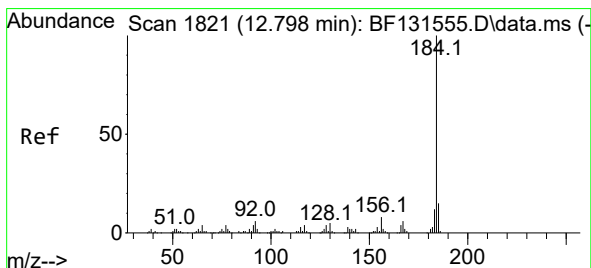
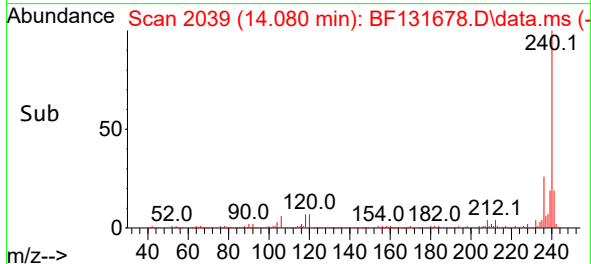
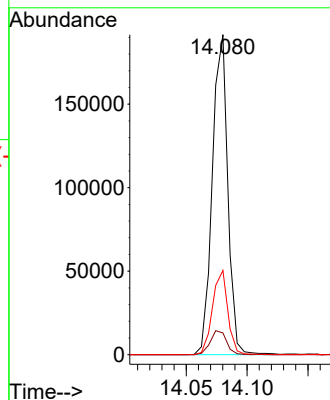
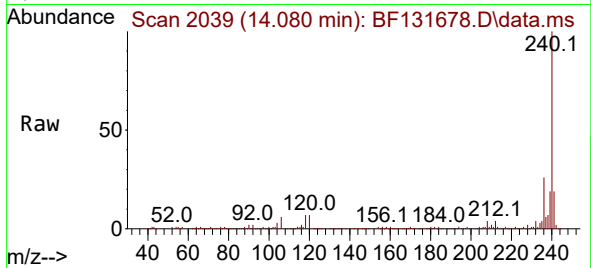




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.080 min Scan# 2044  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

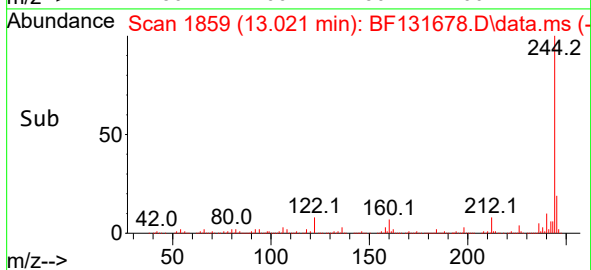
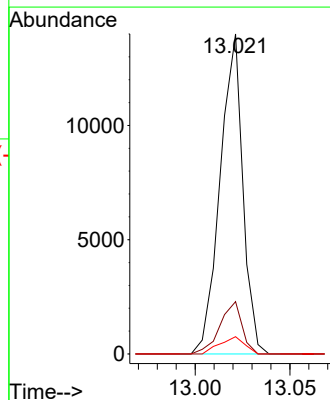
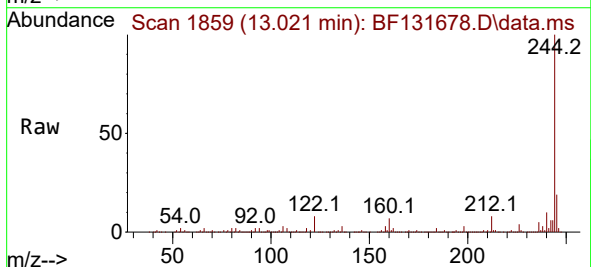
Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

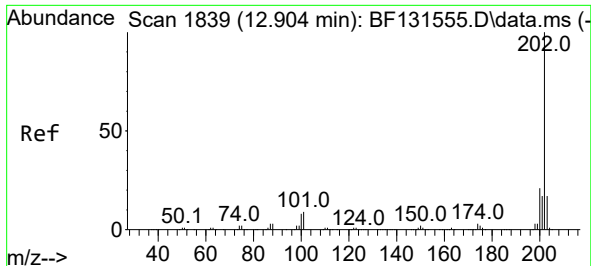
Tgt Ion:240 Resp: 168937  
Ion Ratio Lower Upper  
240 100  
120 6.8 4.6 7.0  
236 26.3 20.2 30.2



#77  
Benzidine  
Concen: 2.582 ng  
RT: 13.021 min Scan# 1859  
Delta R.T. 0.247 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:184 Resp: 11686  
Ion Ratio Lower Upper  
184 100  
185 16.3 12.2 18.2  
183 5.4 9.3 13.9#

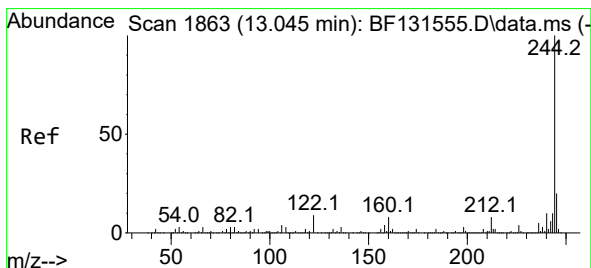
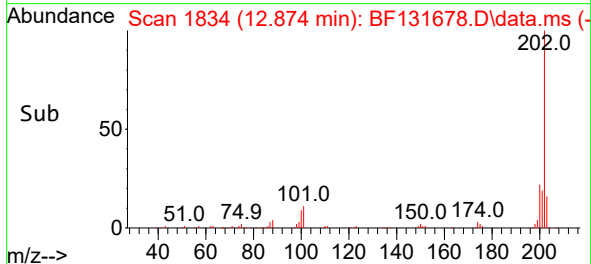
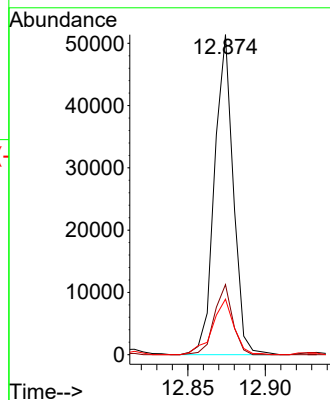
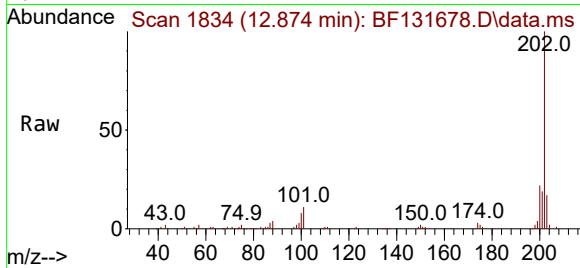




#78  
Pyrene  
Concen: 2.596 ng  
RT: 12.874 min Scan# 1834  
Delta R.T. -0.006 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

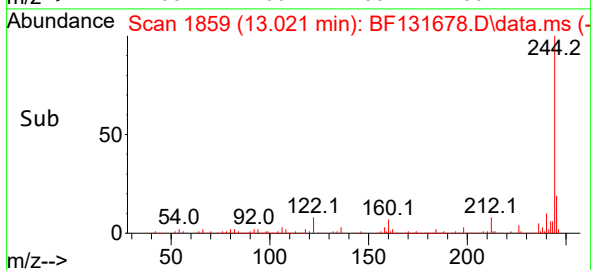
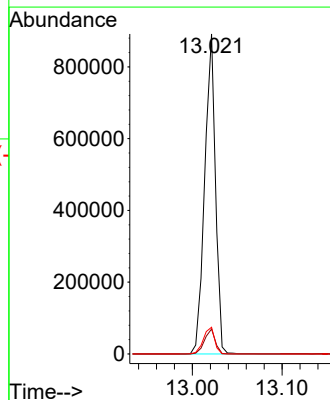
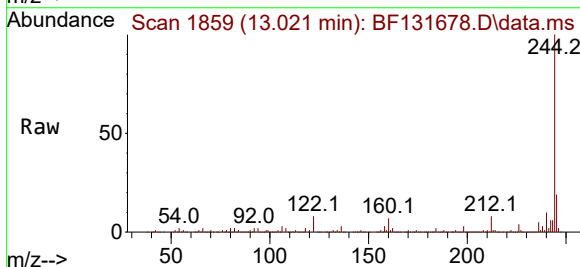
Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

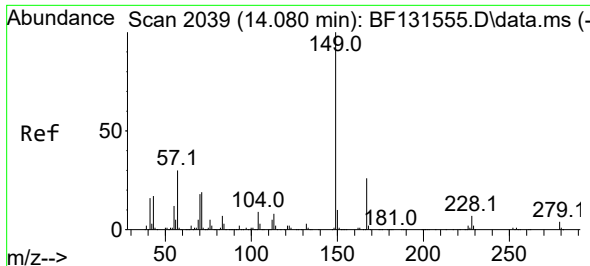
Tgt Ion:202 Resp: 43252  
Ion Ratio Lower Upper  
202 100  
200 21.9 16.7 25.1  
203 17.3 13.8 20.6



#79  
Terphenyl-d14  
Concen: 60.541 ng  
RT: 13.021 min Scan# 1859  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:244 Resp: 745781  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.5 9.7  
122 8.3 7.1 10.7

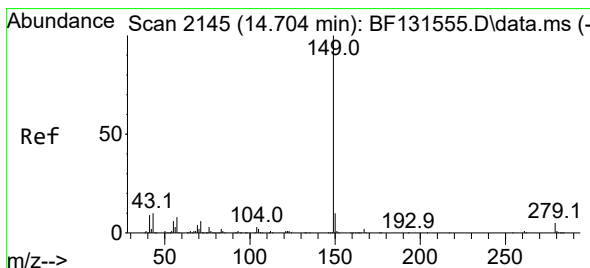
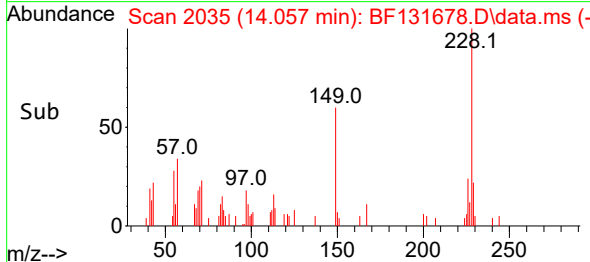
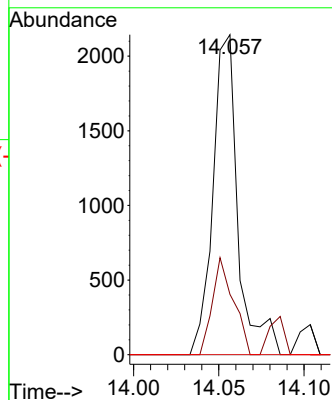
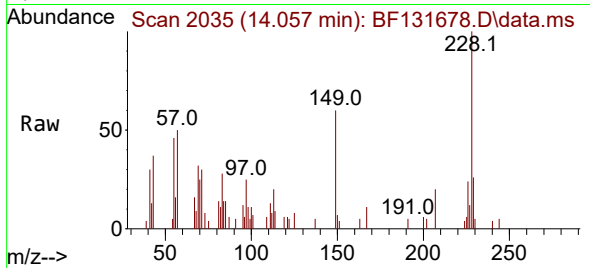




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.345 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

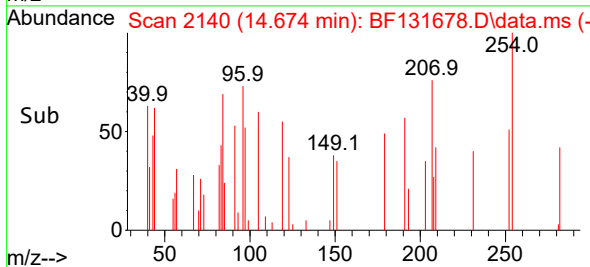
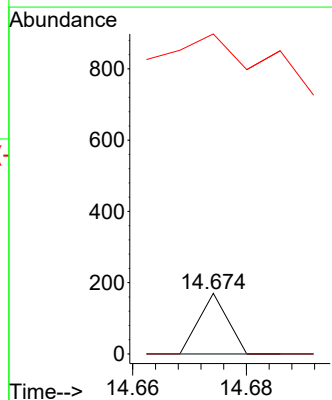
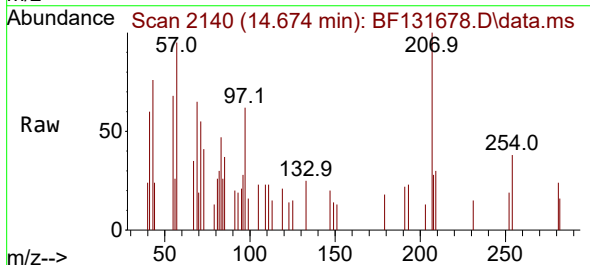
Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

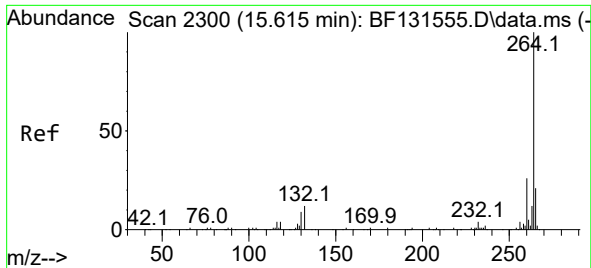
Tgt Ion:149 Resp: 2192  
Ion Ratio Lower Upper  
149 100  
167 18.8 20.8 31.2#  
279 0.0 3.3 4.9#



#85  
Di-n-octyl phthalate  
Concen: 5.224 ng  
RT: 14.674 min Scan# 2140  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Tgt Ion:149 Resp: 60  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 733.3 8.6 13.0#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.580 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF131678.D  
Acq: 16 Dec 2022 21:28

Instrument :  
BNA\_F  
ClientSampleId :  
RB-26-(2-4)

Tgt Ion:264 Resp: 157677  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.0  | 20.6  | 30.8  |
| 265 | 21.0  | 16.8  | 25.2  |

