

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111122\  
 Data File : BF131161.D  
 Acq On : 11 Nov 2022 19:17  
 Operator : CG\JU  
 Sample : N5506-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Quant Time: Nov 12 00:06:11 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 12 00:03:31 2022  
 Response via : Initial Calibration

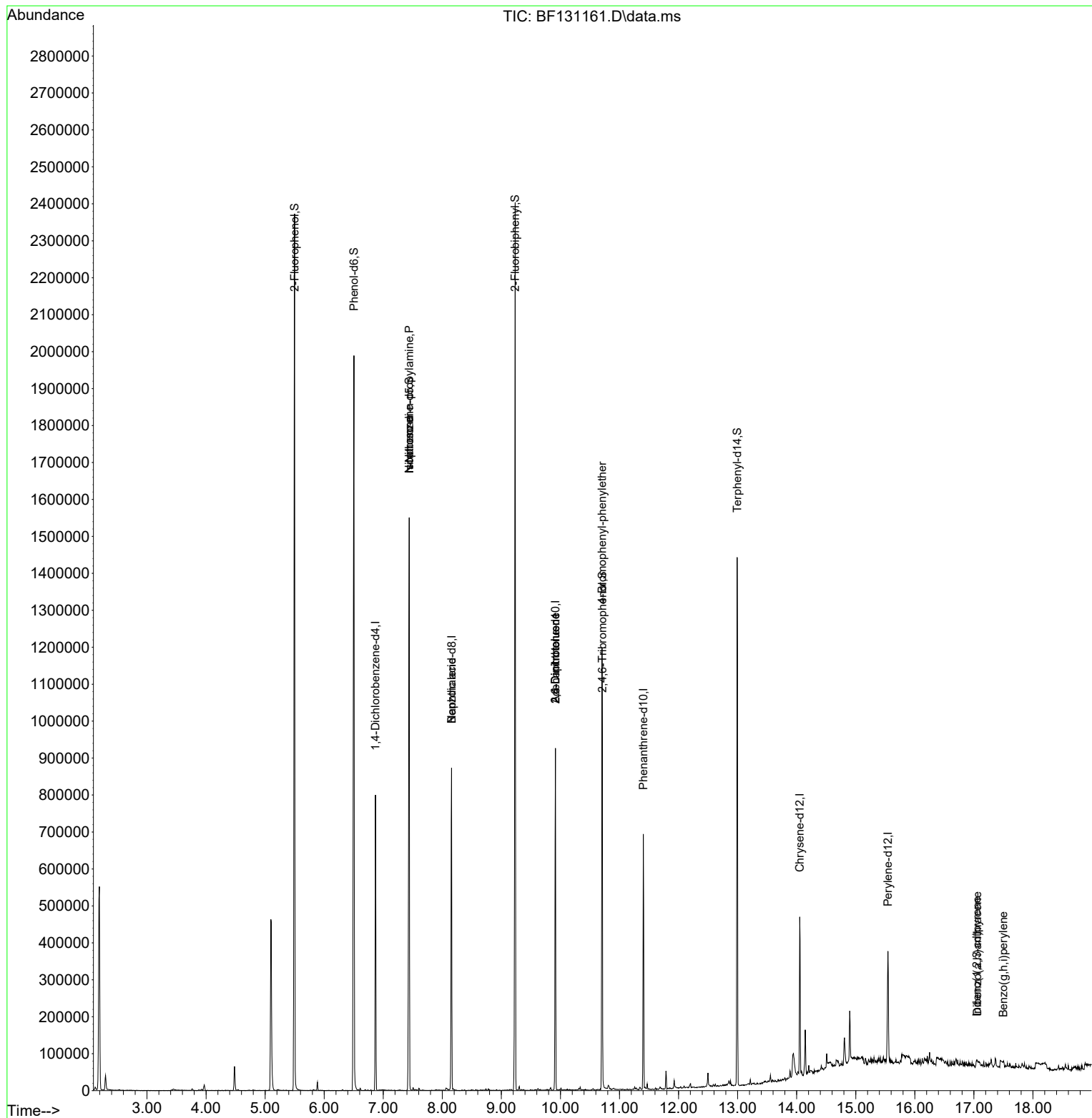
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 102360   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 349431   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 169564   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 224984   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 141665   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.545 | 264  | 127017   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 563889   | 93.685 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 644967   | 81.962 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 483021   | 62.368 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 124445   | 71.014 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 666502   | 54.871 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 455550   | 56.381 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 66462    | 12.864 | ng    | # 75     |
| 25) Isophorone                | 7.439  | 82   | 481431   | 40.203 | ng    | # 68     |
| 32) Benzoic acid              | 8.157  | 122  | 55       | 5.731  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 21695    | 8.185  | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 21695    | 6.157  | ng    | # 16     |
| 67) 4-Bromophenyl-phenylether | 10.704 | 248  | 7909     | 3.109  | ng    | # 1      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.051 | 276  | 1841     | 4.028  | ng    | # 41     |
| 91) Dibenzo(a,h)anthracene    | 17.057 | 278  | 1350     | 3.986  | ng    | # 13     |
| 92) Benzo(g,h,i)perylene      | 17.498 | 276  | 2341     | 4.604  | ng    | # 73     |
| -----                         |        |      |          |        |       |          |

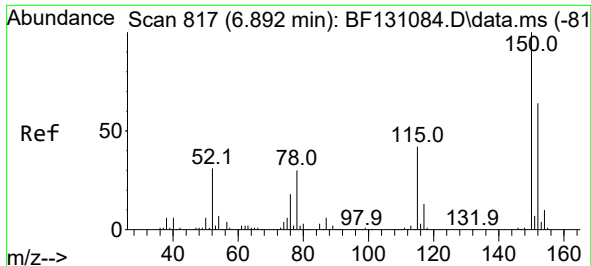
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 00:06:11 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Nov 12 00:03:31 2022  
Response via : Initial Calibration

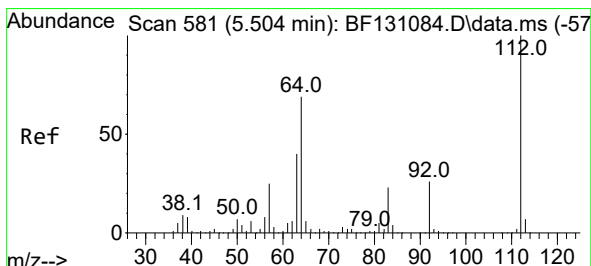
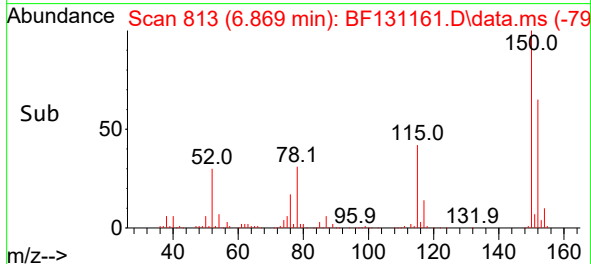
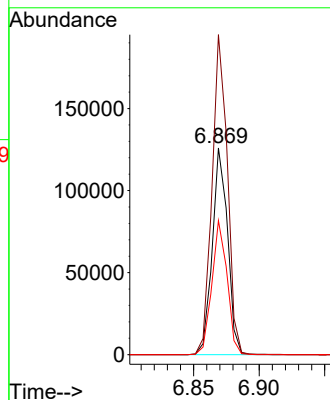
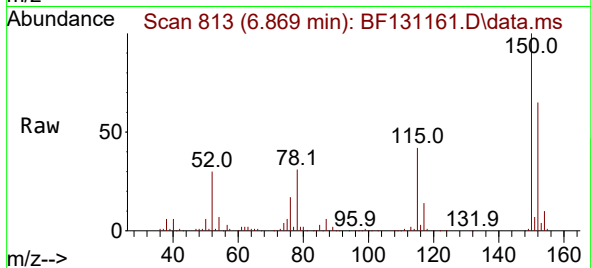




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.869 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

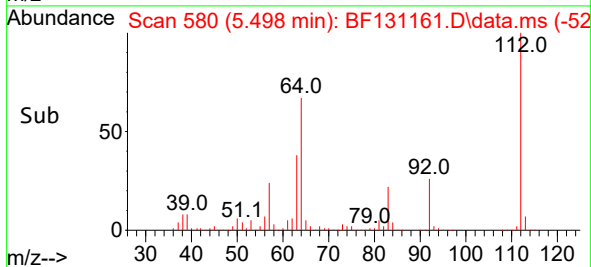
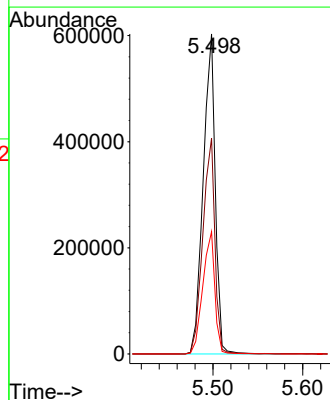
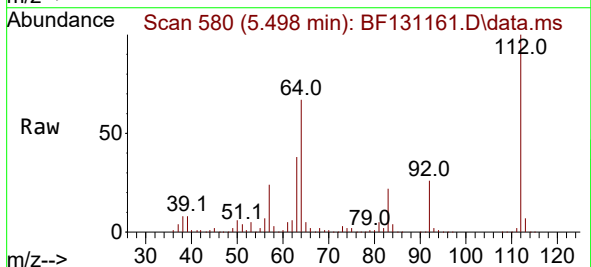
Instrument :  
 BNA\_F  
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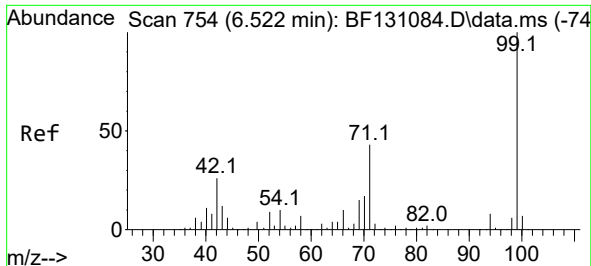
Tgt Ion:152 Resp: 102360  
 Ion Ratio Lower Upper  
 152 100  
 150 154.7 125.5 188.3  
 115 64.8 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 93.685 ng  
 RT: 5.498 min Scan# 580  
 Delta R.T. 0.012 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

Tgt Ion:112 Resp: 563889  
 Ion Ratio Lower Upper  
 112 100  
 64 67.5 55.1 82.7  
 63 38.2 32.4 48.6

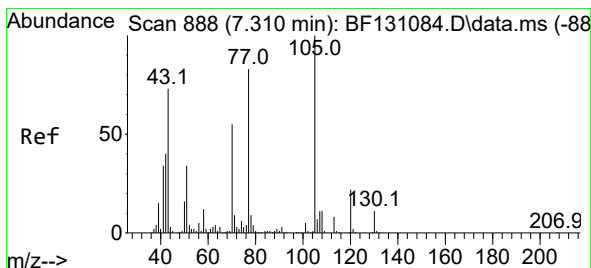
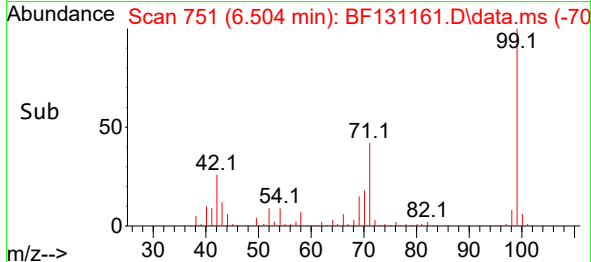
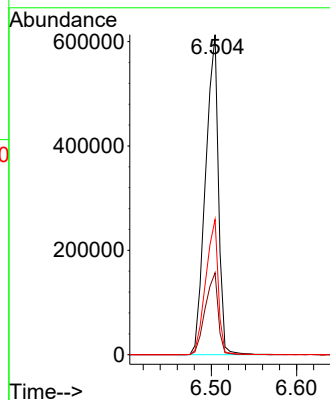
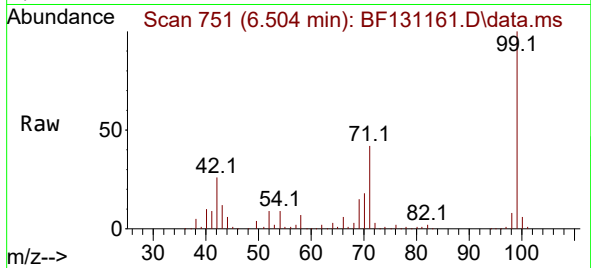




#7  
Phenol-d6  
Concen: 81.962 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

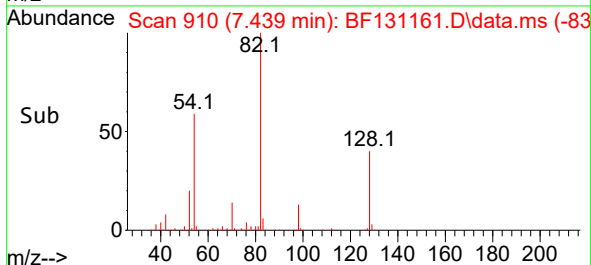
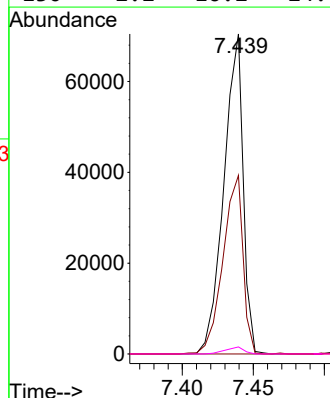
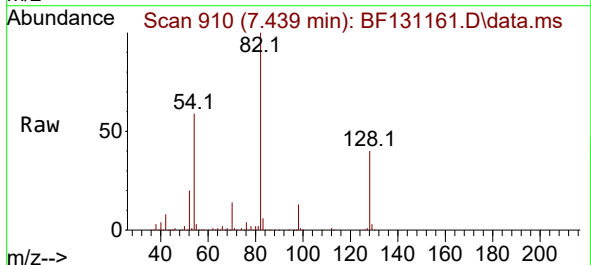
Instrument :  
BNA\_F  
ClientSampleId :  
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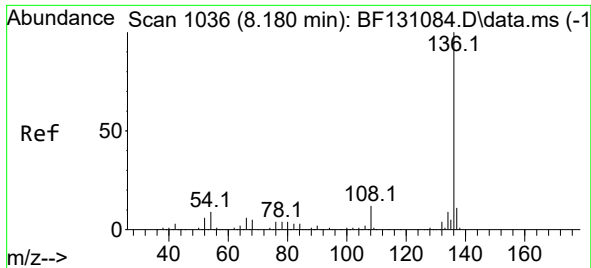
Tgt Ion: 99 Resp: 644967  
Ion Ratio Lower Upper  
99 100  
42 25.6 20.8 31.2  
71 42.2 34.2 51.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.864 ng  
RT: 7.439 min Scan# 910  
Delta R.T. 0.147 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

Tgt Ion: 70 Resp: 66462  
Ion Ratio Lower Upper  
70 100  
42 55.8 58.3 87.5#  
101 0.0 7.4 11.2#  
130 2.2 16.2 24.4#

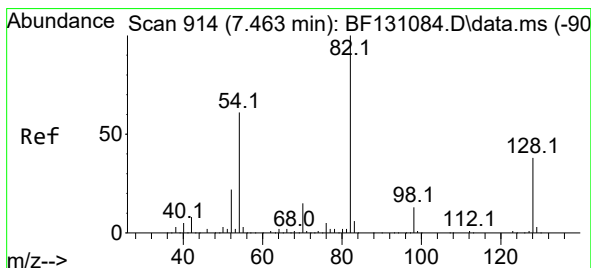
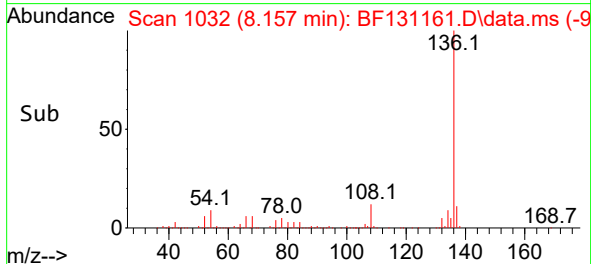
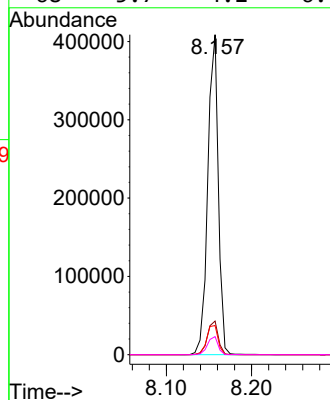
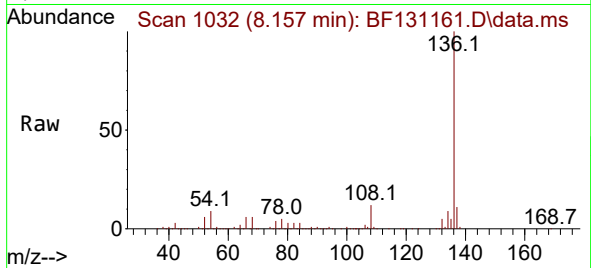




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

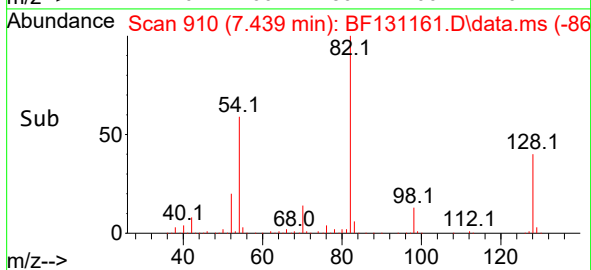
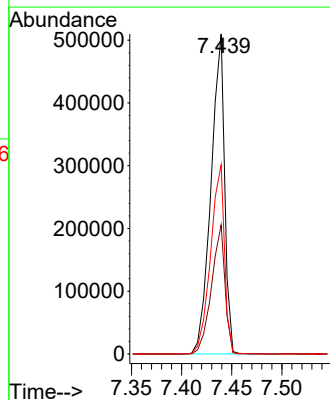
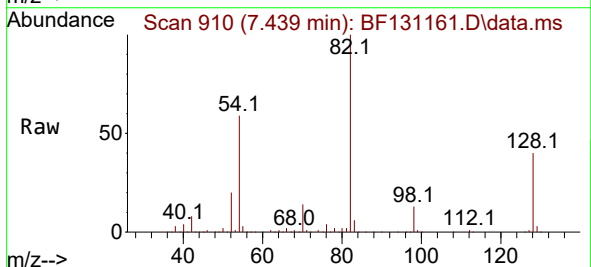
Instrument :  
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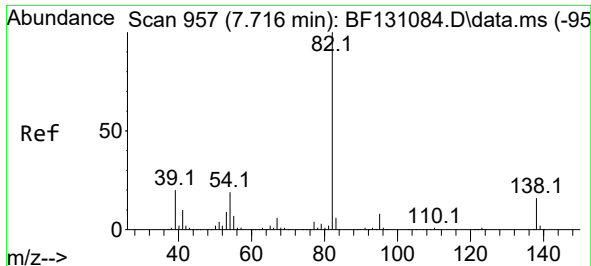
Tgt Ion:136 Resp: 349431  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 12.8  
54 9.1 7.2 10.8  
68 5.7 4.2 6.4



#23  
Nitrobenzene-d5  
Concen: 62.368 ng  
RT: 7.439 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

Tgt Ion: 82 Resp: 483021  
Ion Ratio Lower Upper  
82 100  
128 40.3 30.5 45.7  
54 59.1 49.1 73.7

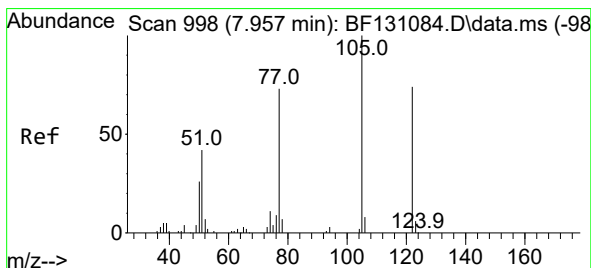
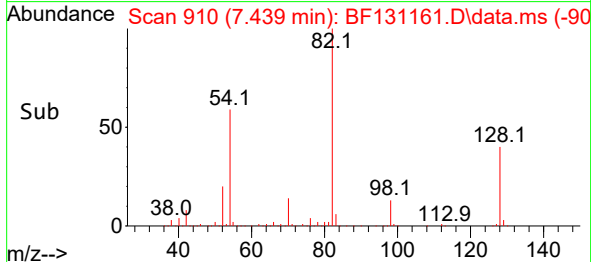
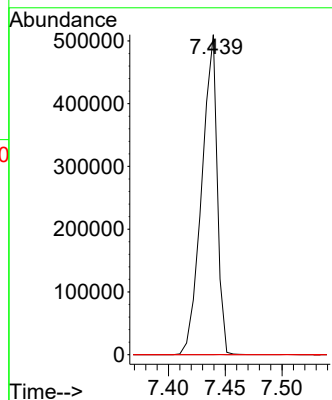
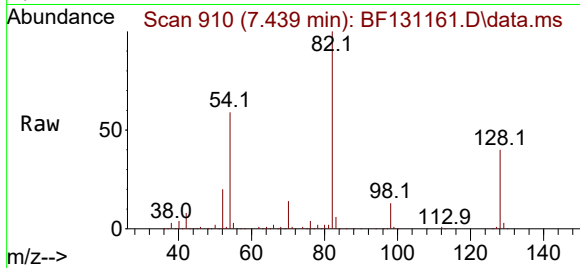




#25  
Isophorone  
Concen: 40.203 ng  
RT: 7.439 min Scan# 91  
Delta R.T. -0.259 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

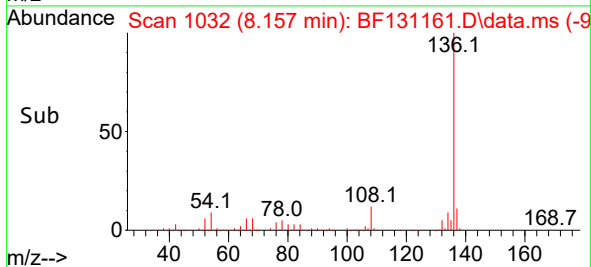
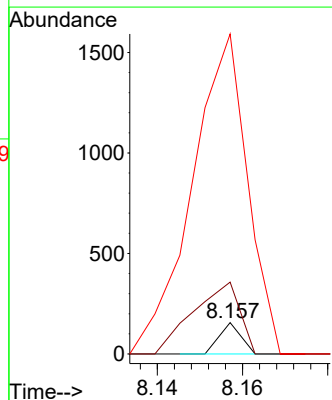
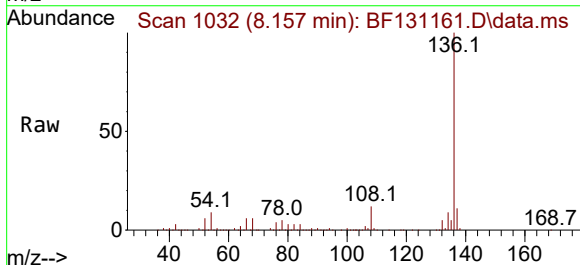
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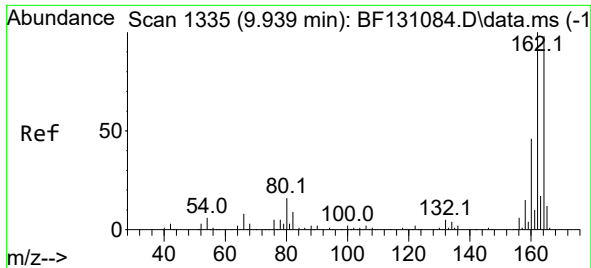
Tgt Ion: 82 Resp: 481431  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.5 18.7#



#32  
Benzoic acid  
Concen: 5.731 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. 0.218 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

Tgt Ion: 122 Resp: 55  
Ion Ratio Lower Upper  
122 100  
105 228.8 113.0 153.0#  
77 1020.5 78.7 118.7#

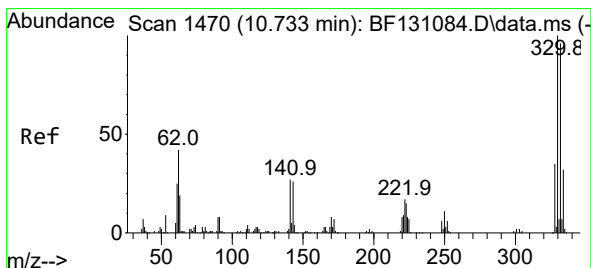
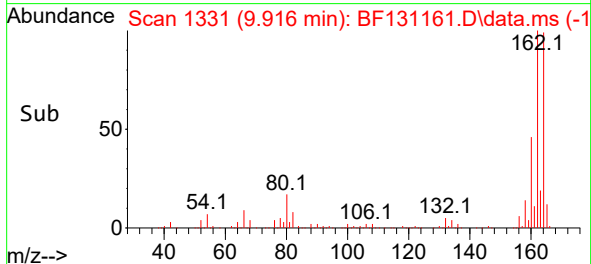
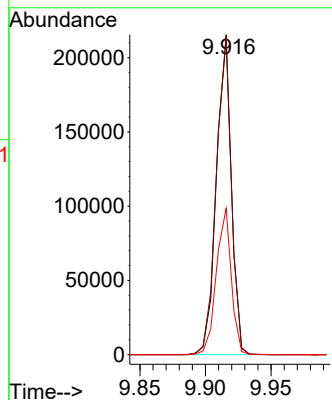
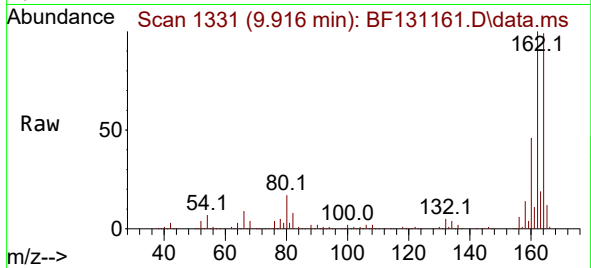




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

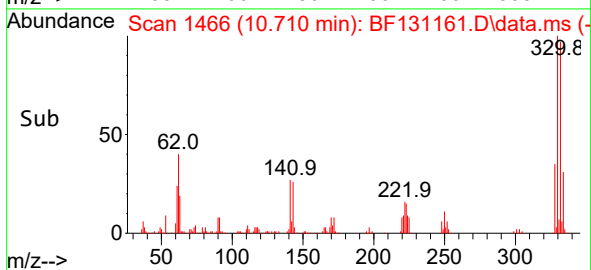
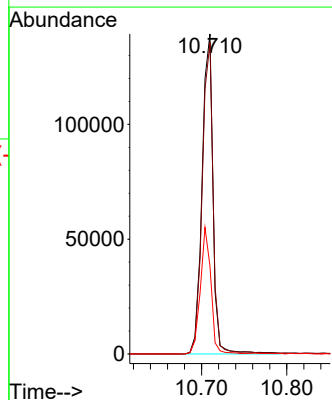
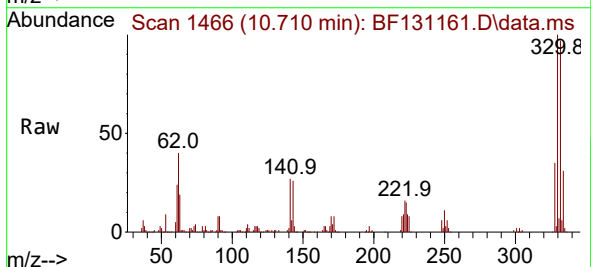
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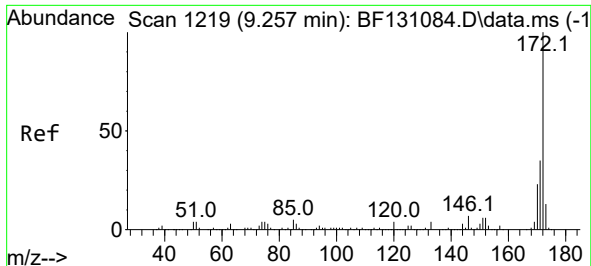
Tgt Ion:164 Resp: 169564  
Ion Ratio Lower Upper  
164 100  
162 101.2 81.7 122.5  
160 46.2 37.4 56.2



#42  
2,4,6-Tribromophenol  
Concen: 71.014 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.000 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

Tgt Ion:330 Resp: 124445  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.0 115.4  
141 38.3 28.5 42.7

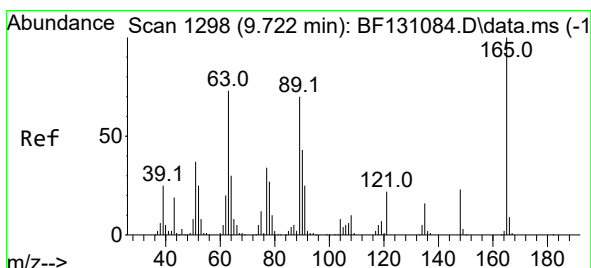
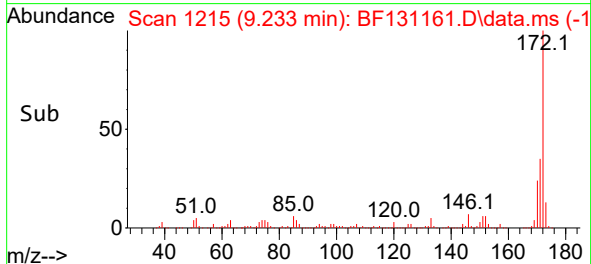
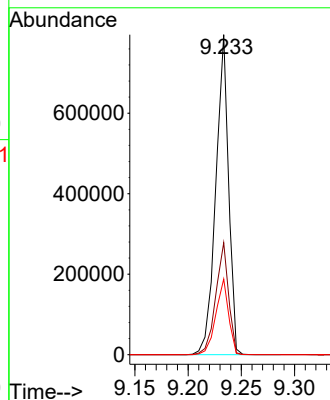
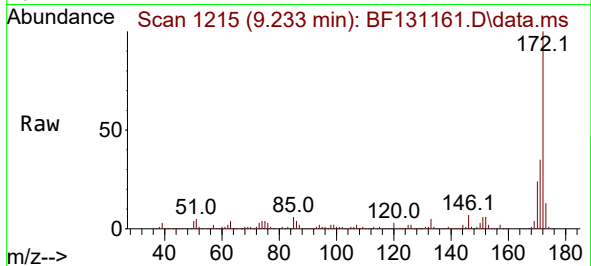




#45  
2-Fluorobiphenyl  
Concen: 54.871 ng  
RT: 9.233 min Scan# 1311  
Delta R.T. -0.006 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

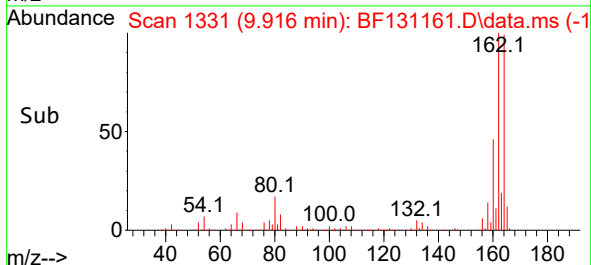
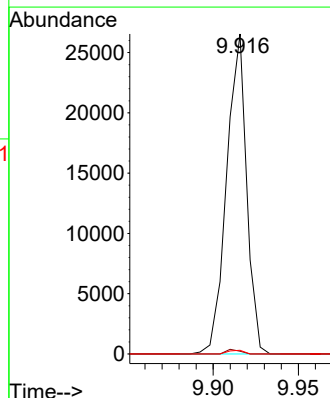
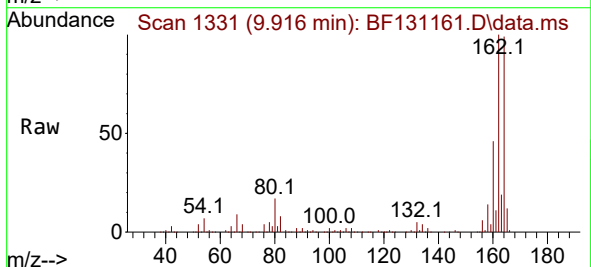
Instrument :  
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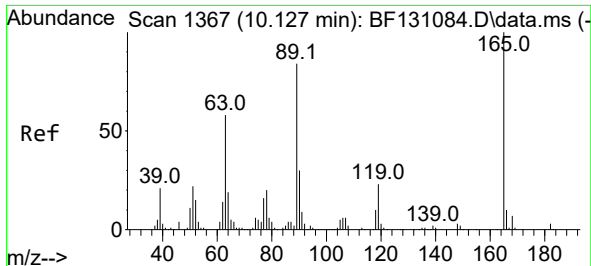
Tgt Ion:172 Resp: 666502  
Ion Ratio Lower Upper  
172 100  
171 35.0 27.7 41.5  
170 23.7 18.8 28.2



#51  
2,6-Dinitrotoluene  
Concen: 8.185 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.212 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

Tgt Ion:165 Resp: 21695  
Ion Ratio Lower Upper  
165 100  
63 0.8 61.4 92.2#  
89 1.2 56.0 84.0#

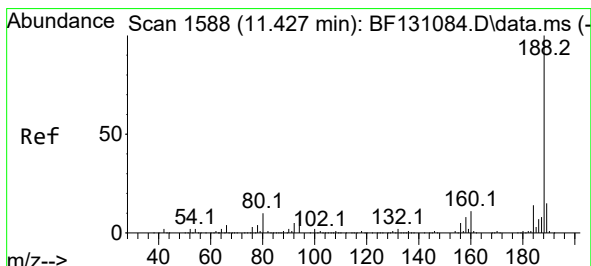
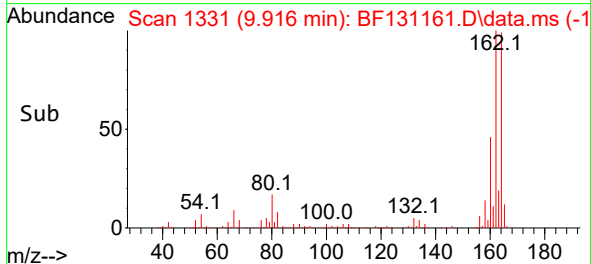
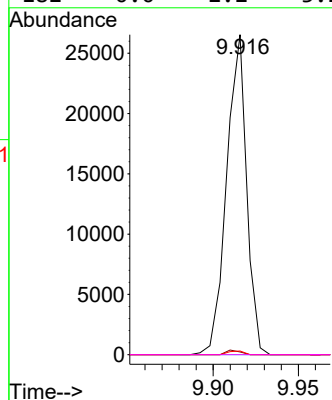
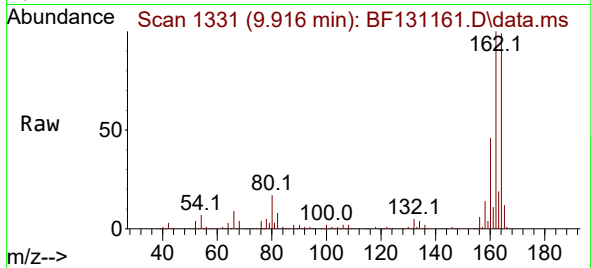




#57  
2,4-Dinitrotoluene  
Concen: 6.157 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

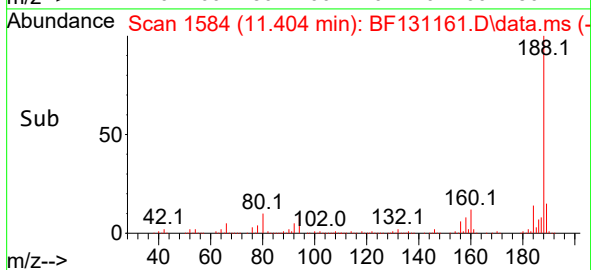
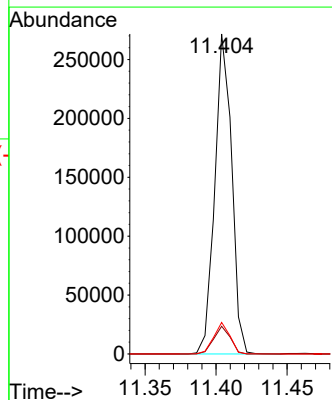
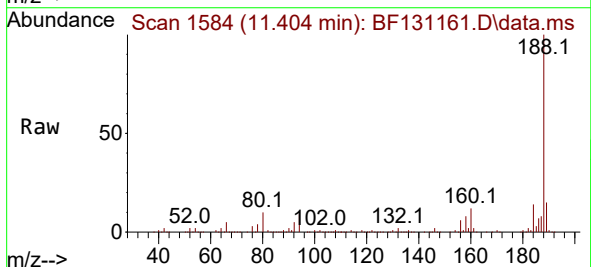
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

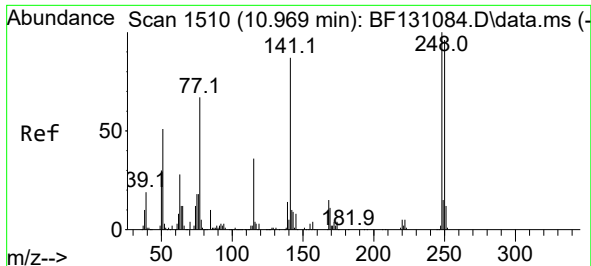
Tgt Ion:165 Resp: 21695  
Ion Ratio Lower Upper  
165 100  
63 0.8 46.9 70.3#  
89 1.2 66.9 100.3#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.006 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

Tgt Ion:188 Resp: 224984  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.0 10.6  
80 9.8 7.9 11.9

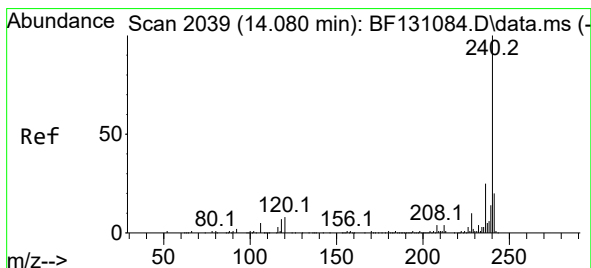
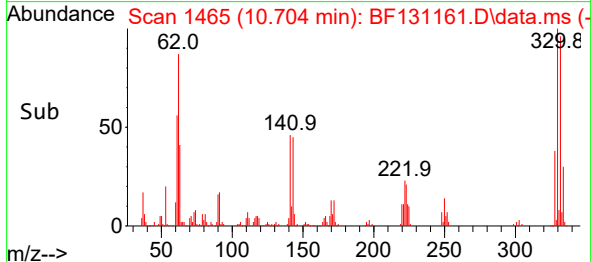
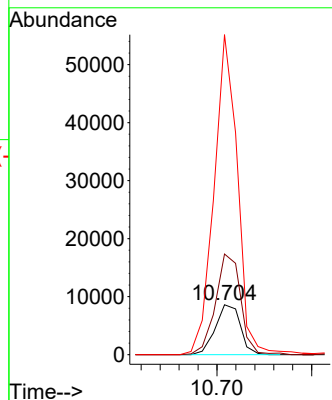
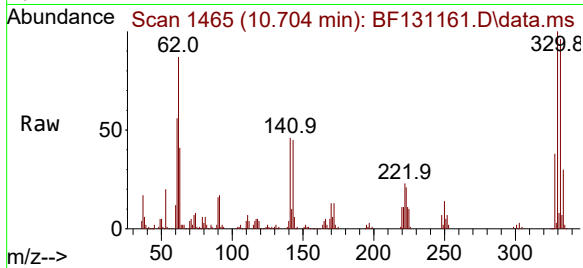




#67  
4-Bromophenyl-phenylether  
Concen: 3.109 ng  
RT: 10.704 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

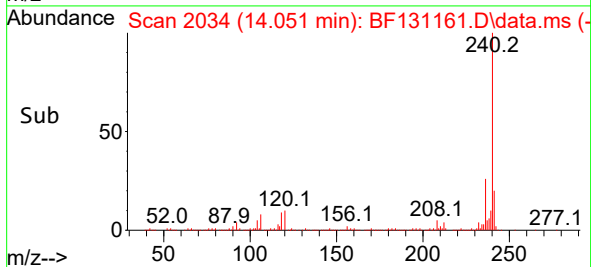
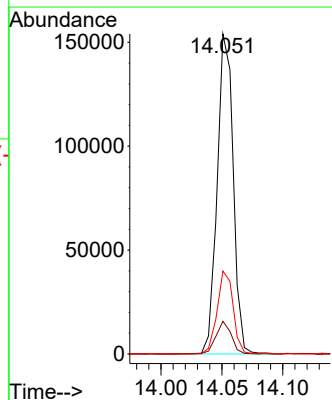
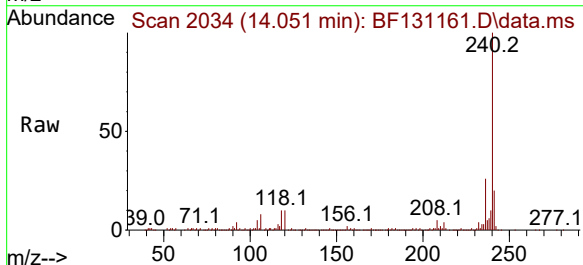
Instrument :  
BNA\_F  
ClientSampleId :  
TP-6

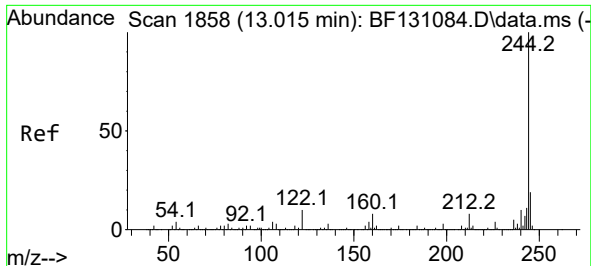
Tgt Ion:248 Resp: 7909  
Ion Ratio Lower Upper  
248 100  
250 201.6 77.0 115.6#  
141 640.5 69.7 104.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF131161.D  
Acq: 11 Nov 2022 19:17

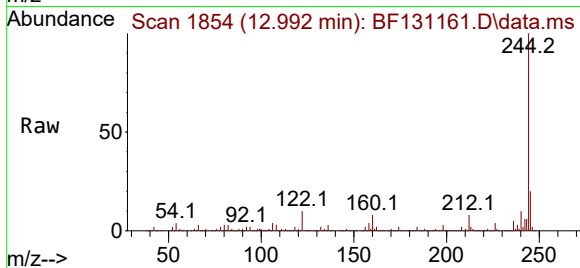
Tgt Ion:240 Resp: 141665  
Ion Ratio Lower Upper  
240 100  
120 10.2 6.5 9.7#  
236 25.9 19.7 29.5



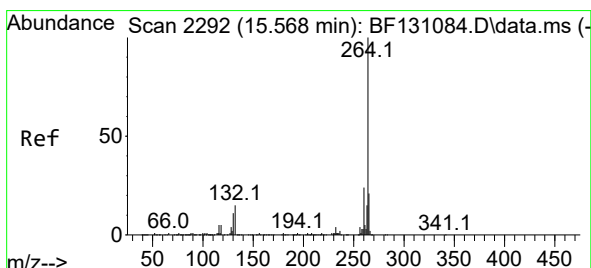
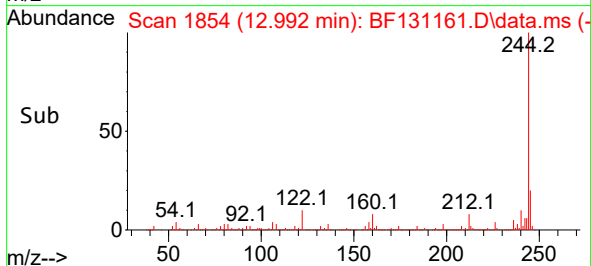
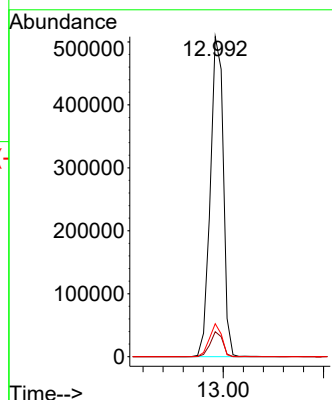


#79  
 Terphenyl-d14  
 Concen: 56.381 ng  
 RT: 12.992 min Scan# 1854  
 Delta R.T. -0.006 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

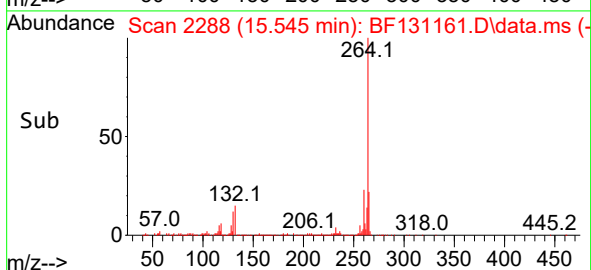
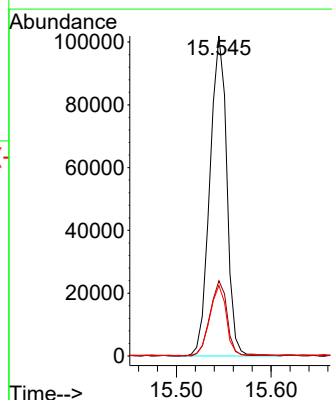
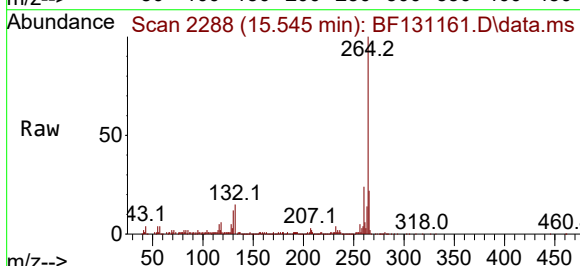


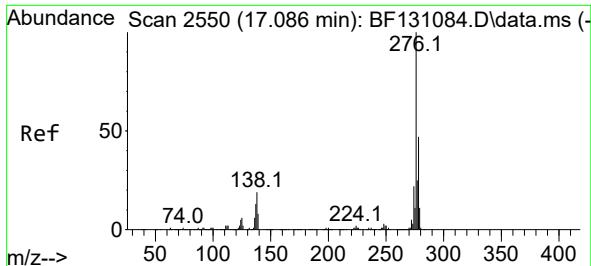
Tgt Ion:244 Resp: 455550  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.2 9.2  
 122 10.3 7.8 11.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 2288  
 Delta R.T. -0.000 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

Tgt Ion:264 Resp: 127017  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.1 28.7  
 265 22.0 16.7 25.1

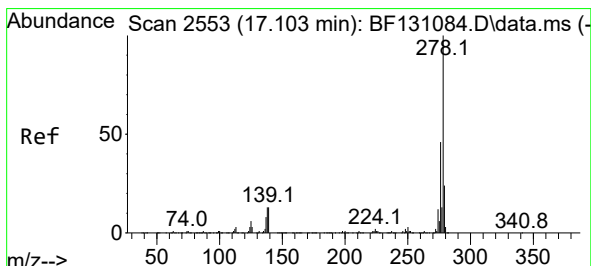
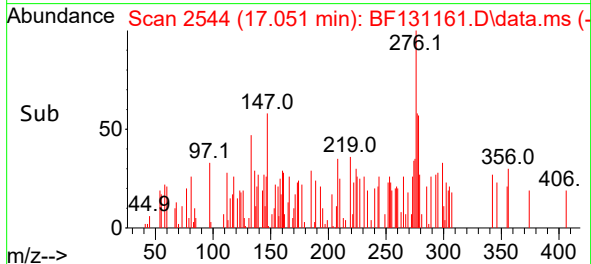
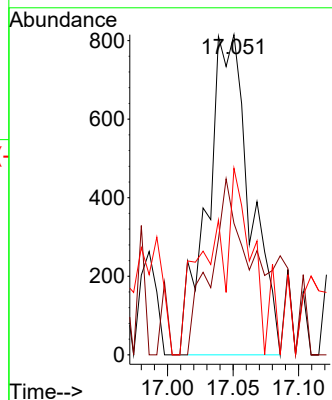
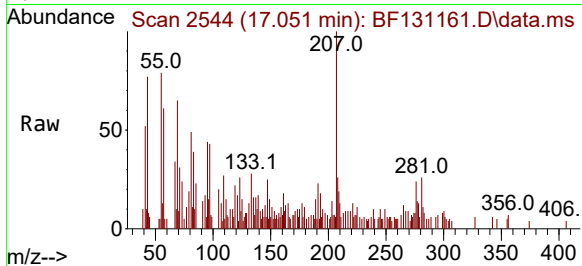




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.028 ng  
 RT: 17.051 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

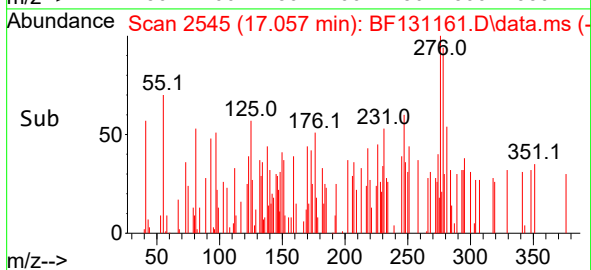
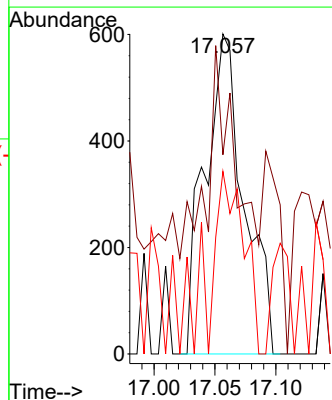
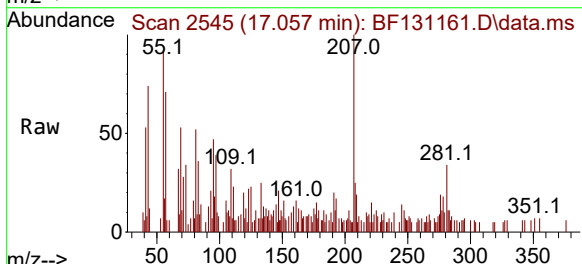
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

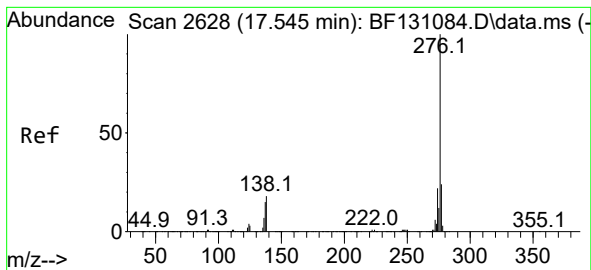
Tgt Ion:276 Resp: 1841  
 Ion Ratio Lower Upper  
 276 100  
 138 49.8 16.9 25.3#  
 277 54.8 20.3 30.5#



#91  
 Dibenzo(a,h)anthracene  
 Concen: 3.986 ng  
 RT: 17.057 min Scan# 2545  
 Delta R.T. -0.018 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

Tgt Ion:278 Resp: 1350  
 Ion Ratio Lower Upper  
 278 100  
 139 62.2 10.8 16.2#  
 279 57.1 19.2 28.8#





#92  
 Benzo(g,h,i)perylene  
 Concen: 4.604 ng  
 RT: 17.498 min Scan# 20  
 Delta R.T. -0.018 min  
 Lab File: BF131161.D  
 Acq: 11 Nov 2022 19:17

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-6

Tgt Ion:276 Resp: 2341  
 Ion Ratio Lower Upper  
 276 100  
 277 34.4 19.0 28.4#  
 138 32.7 14.6 21.8#

