

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111122\  
 Data File : BF131158.D  
 Acq On : 11 Nov 2022 17:34  
 Operator : CG\JU  
 Sample : PB148951BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148951BL

Quant Time: Nov 12 00:05:30 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

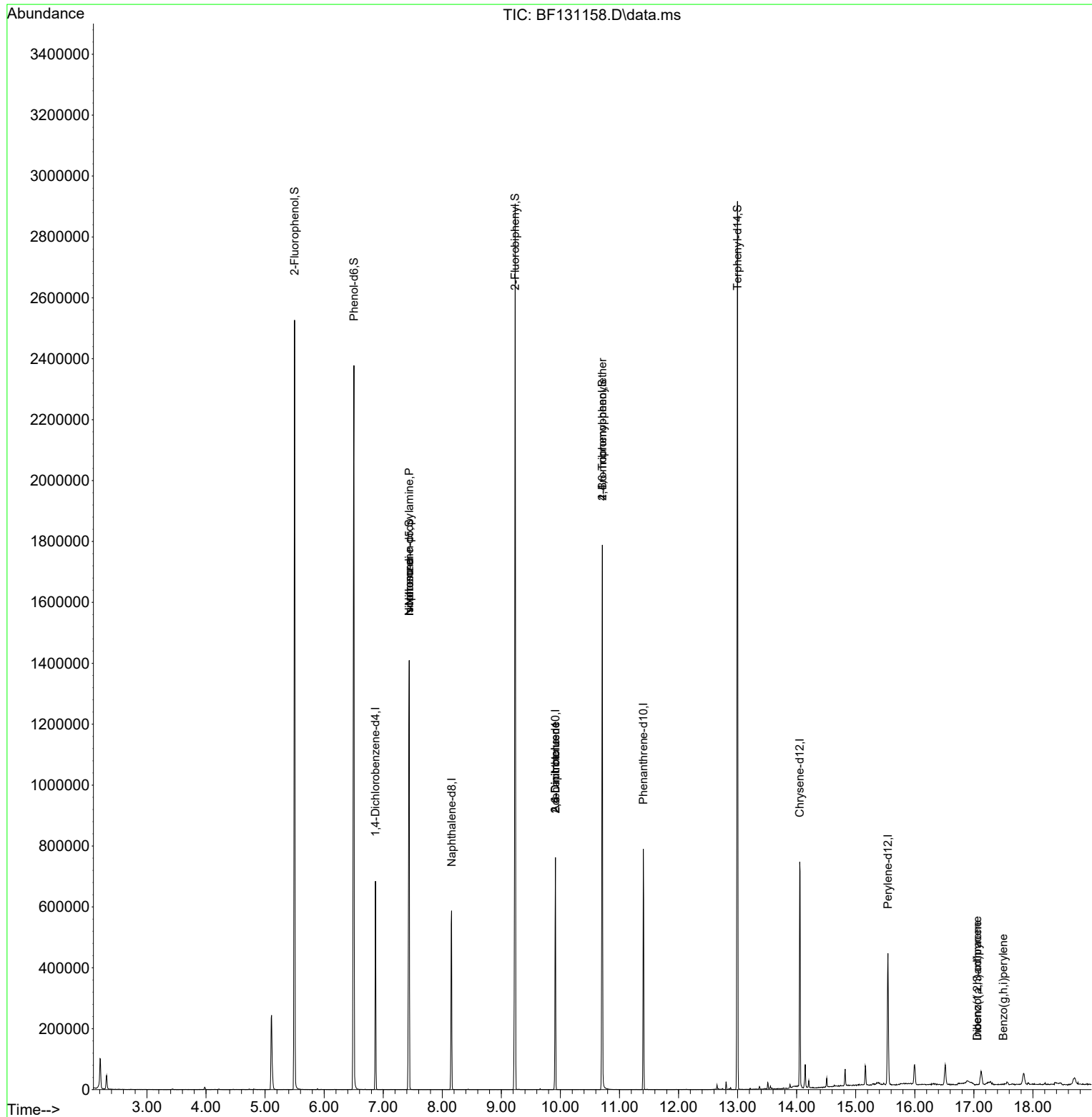
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 85682    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 254810   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 139172   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 265692   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 263670   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.545 | 264  | 161208   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 643533   | 127.728 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 796026   | 120.849 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 472151   | 83.603  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 185730   | 129.131 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 886260   | 88.897  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 969162   | 64.446  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.440  | 70   | 67684    | 15.650  | ng    | # 74     |
| 25) Isophorone                | 7.440  | 82   | 471203   | 53.961  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 18218    | 8.374   | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 18218    | 6.299   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 12215    | 4.066   | ng    | # 1      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.057 | 276  | 612      | 3.908   | ng    | # 52     |
| 91) Dibenzo(a,h)anthracene    | 17.057 | 278  | 648      | 3.895   | ng    | # 57     |
| 92) Benzo(g,h,i)perylene      | 17.498 | 276  | 760      | 4.427   | ng    | # 64     |

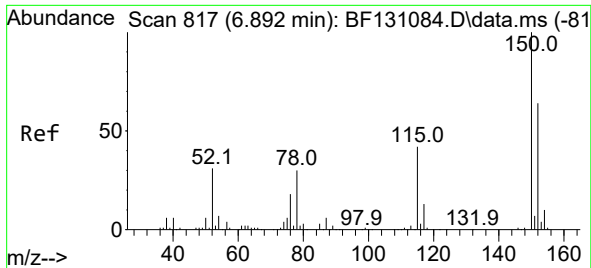
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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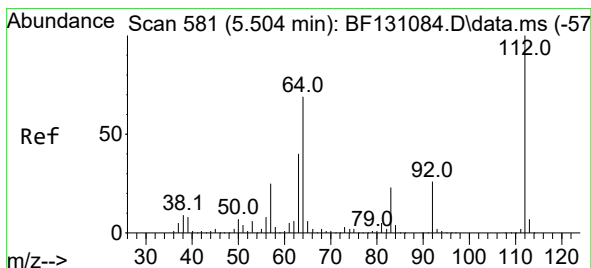
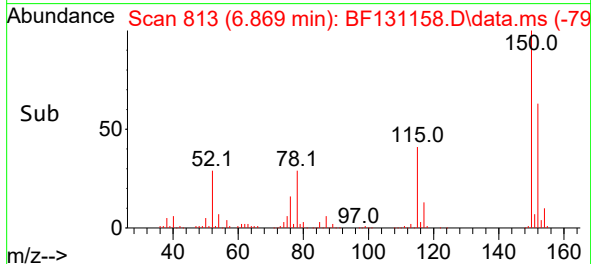
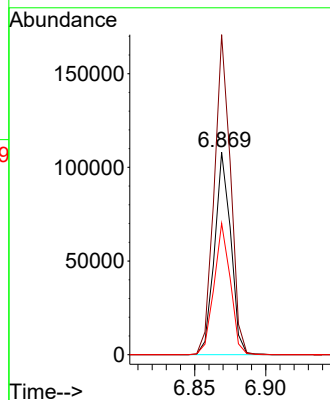
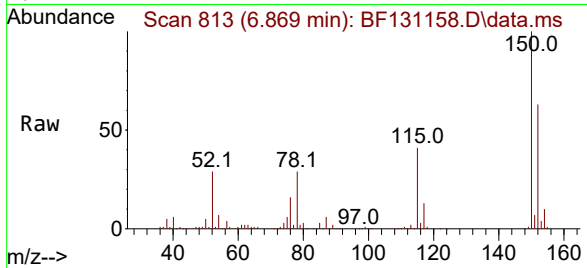




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

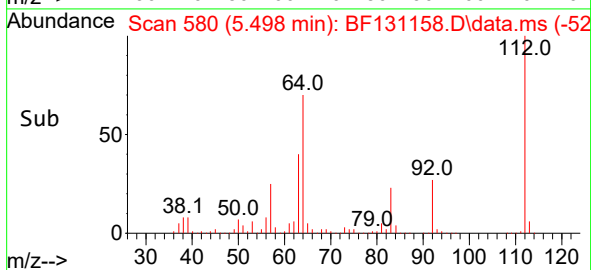
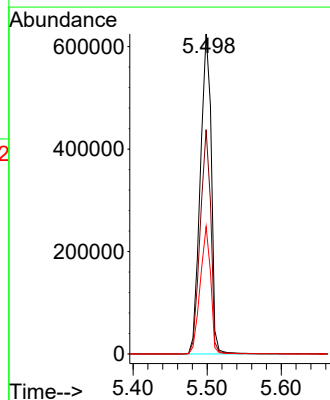
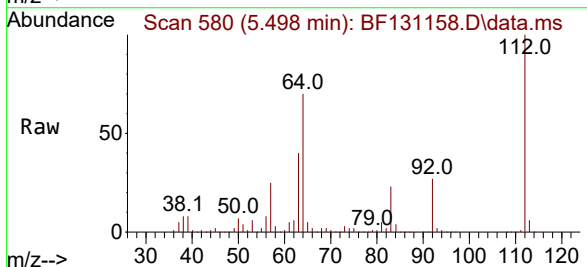
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ClientSampleId :  
PB148951BL

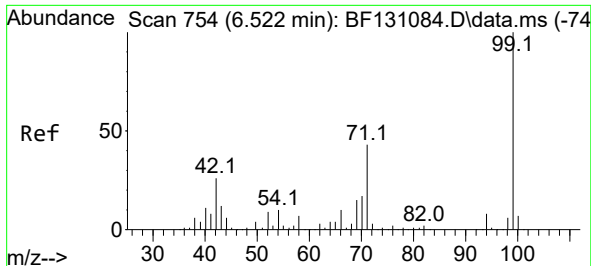
Tgt Ion:152 Resp: 85682  
Ion Ratio Lower Upper  
152 100  
150 158.0 125.5 188.3  
115 64.9 52.2 78.2



#5  
2-Fluorophenol  
Concen: 127.728 ng  
RT: 5.498 min Scan# 580  
Delta R.T. 0.012 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion:112 Resp: 643533  
Ion Ratio Lower Upper  
112 100  
64 70.1 55.1 82.7  
63 39.8 32.4 48.6

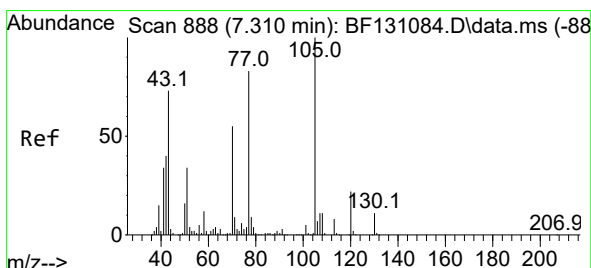
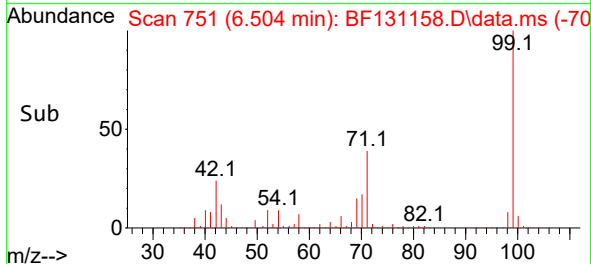
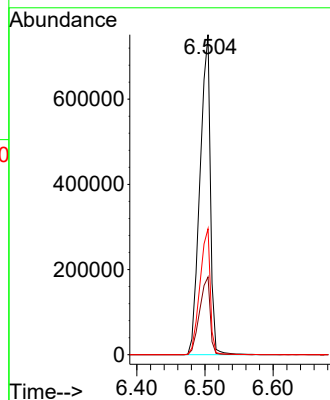
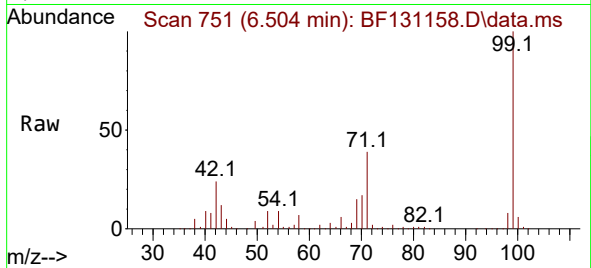




#7  
Phenol-d6  
Concen: 120.849 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

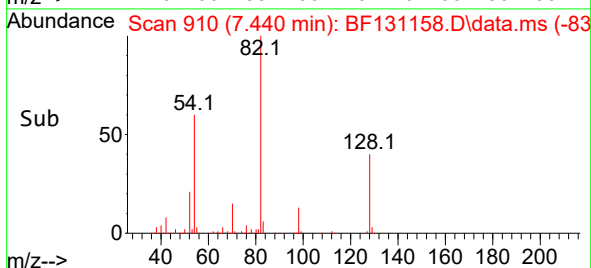
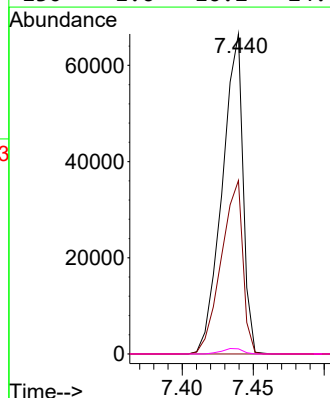
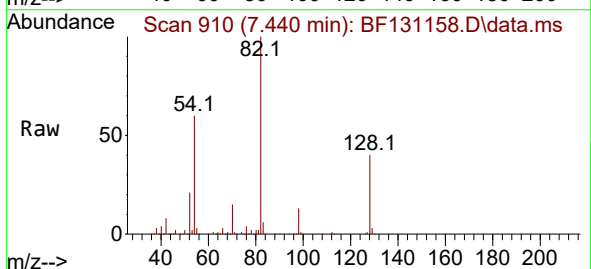
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ClientSampleId :  
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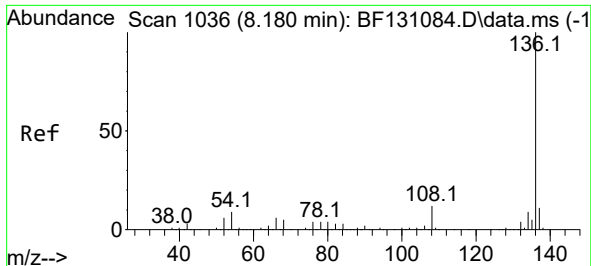
Tgt Ion: 99 Resp: 796026  
Ion Ratio Lower Upper  
99 100  
42 24.3 20.8 31.2  
71 39.4 34.2 51.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.650 ng  
RT: 7.440 min Scan# 910  
Delta R.T. 0.147 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion: 70 Resp: 67684  
Ion Ratio Lower Upper  
70 100  
42 54.2 58.3 87.5#  
101 0.0 7.4 11.2#  
130 1.6 16.2 24.4#

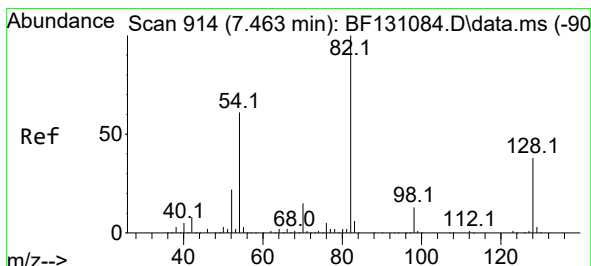
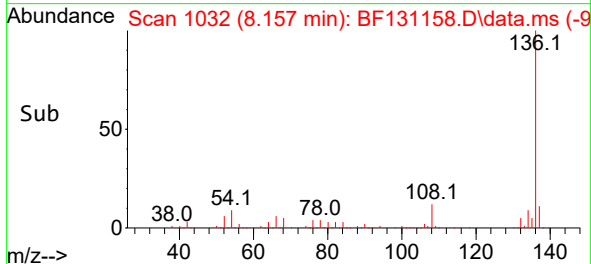
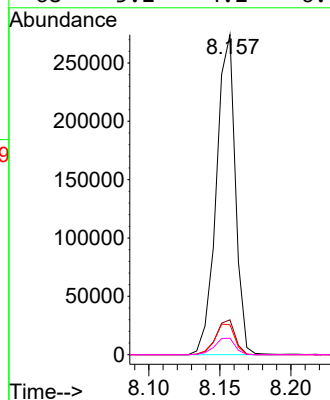
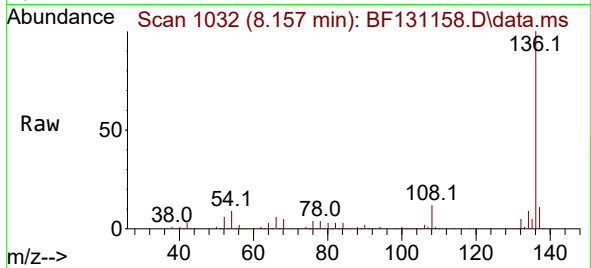




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

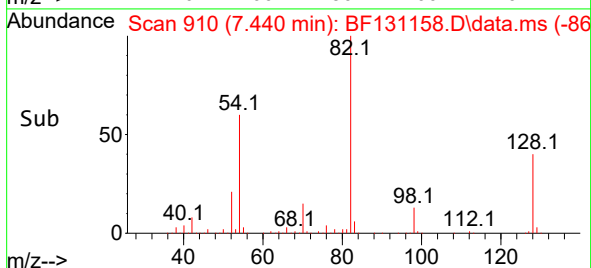
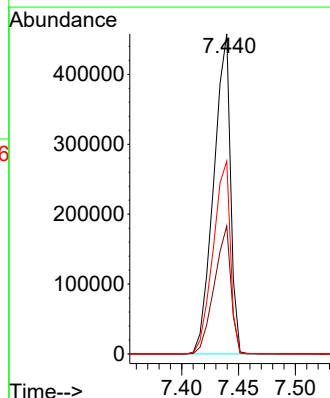
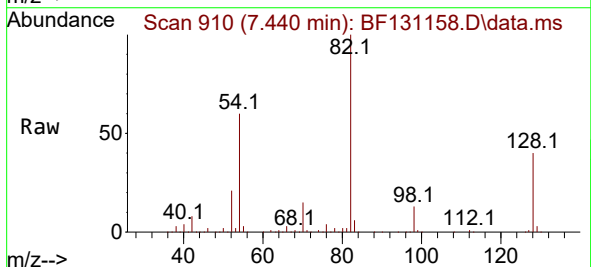
Instrument :  
BNA\_F  
ClientSampleId :  
PB148951BL

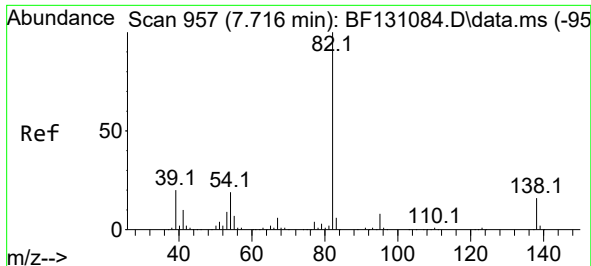
Tgt Ion:136 Resp: 254810  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 9.4 7.2 10.8  
68 5.2 4.2 6.4



#23  
Nitrobenzene-d5  
Concen: 83.603 ng  
RT: 7.440 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion: 82 Resp: 472151  
Ion Ratio Lower Upper  
82 100  
128 40.0 30.5 45.7  
54 60.2 49.1 73.7

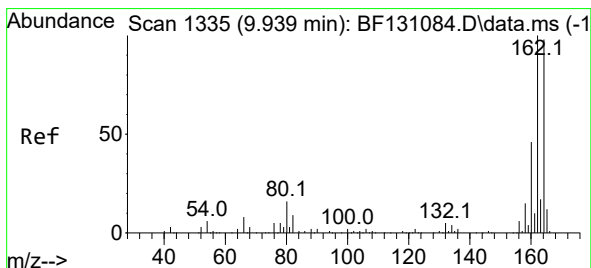
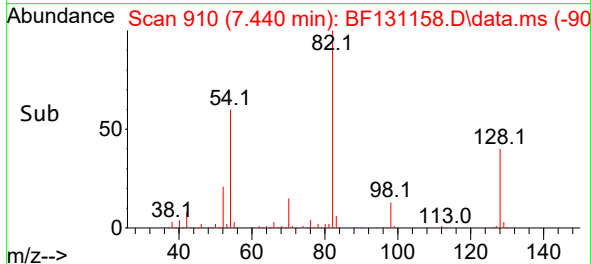
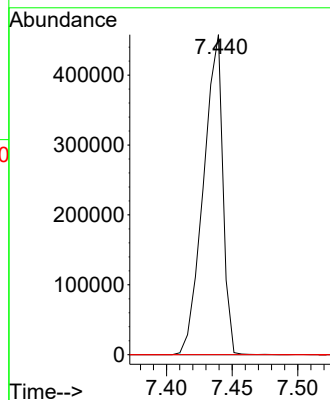
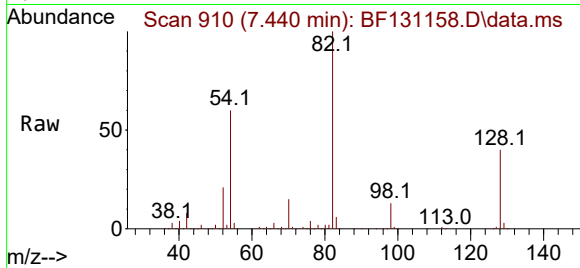




#25  
Isophorone  
Concen: 53.961 ng  
RT: 7.440 min Scan# 91  
Delta R.T. -0.259 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

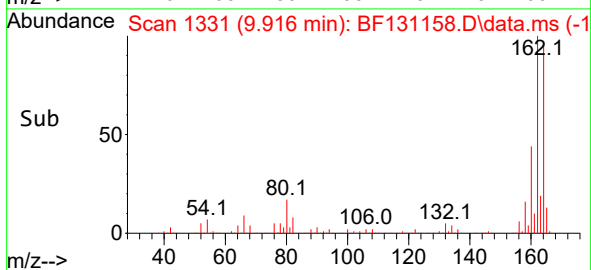
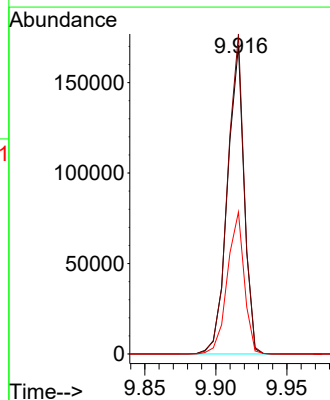
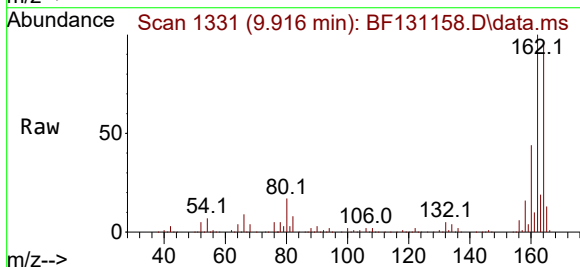
Instrument :  
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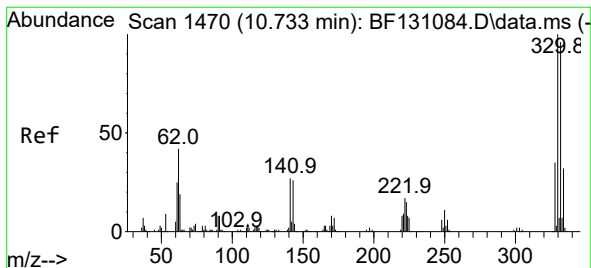
Tgt Ion: 82 Resp: 471203  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.006 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

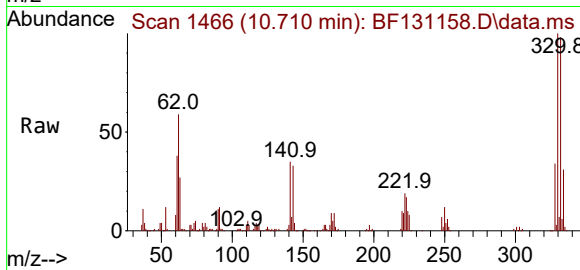
Tgt Ion:164 Resp: 139172  
Ion Ratio Lower Upper  
164 100  
162 103.7 81.7 122.5  
160 46.0 37.4 56.2



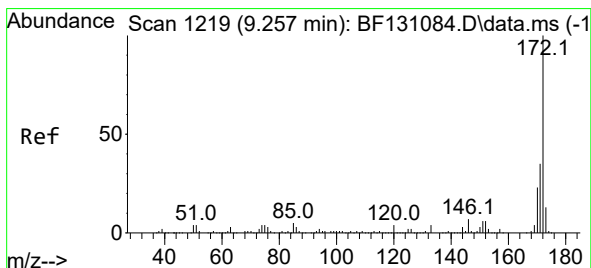
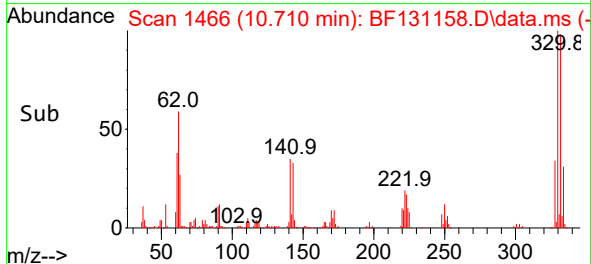
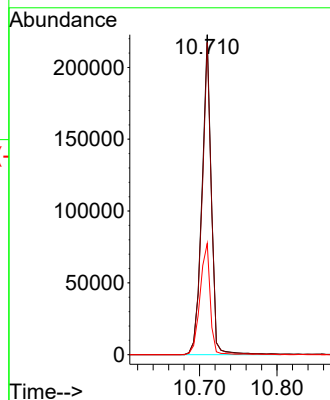


#42  
 2,4,6-Tribromophenol  
 Concen: 129.131 ng  
 RT: 10.710 min Scan# 1466  
 Delta R.T. -0.000 min  
 Lab File: BF131158.D  
 Acq: 11 Nov 2022 17:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148951BL

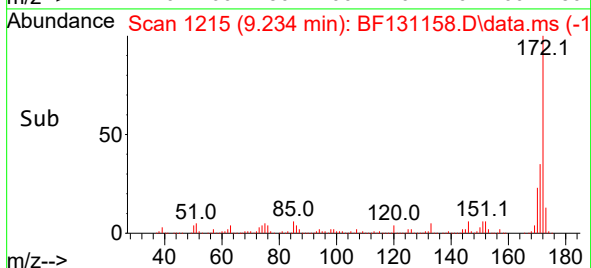
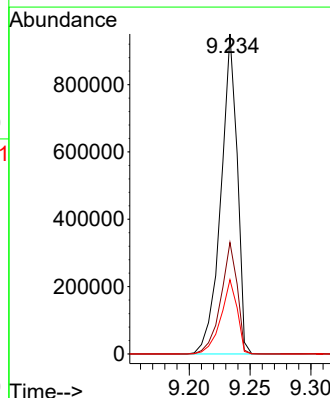
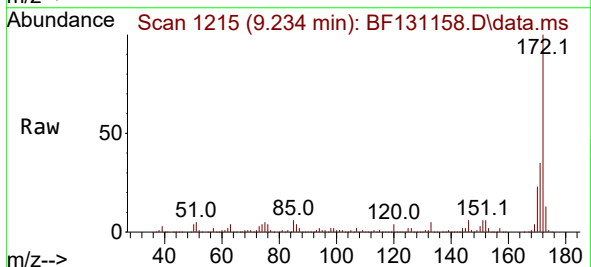


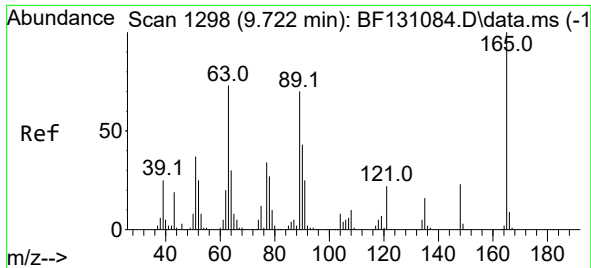
Tgt Ion:330 Resp: 185730  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.4  
 141 38.1 28.5 42.7



#45  
 2-Fluorobiphenyl  
 Concen: 88.897 ng  
 RT: 9.234 min Scan# 1215  
 Delta R.T. -0.006 min  
 Lab File: BF131158.D  
 Acq: 11 Nov 2022 17:34

Tgt Ion:172 Resp: 886260  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 27.7 41.5  
 170 23.2 18.8 28.2

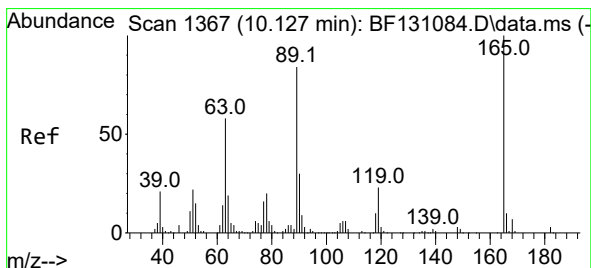
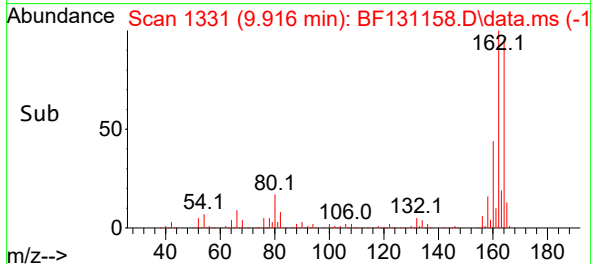
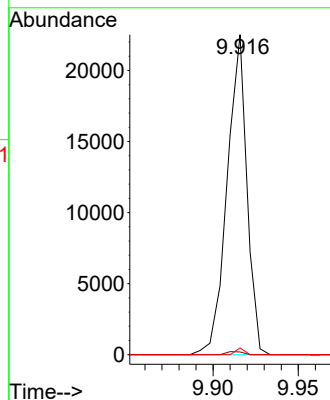
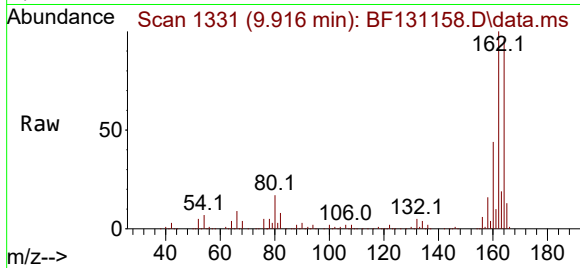




#51  
2,6-Dinitrotoluene  
Concen: 8.374 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.212 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

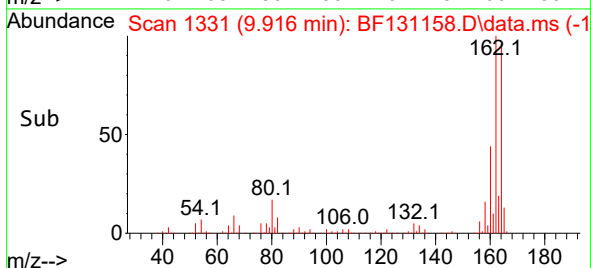
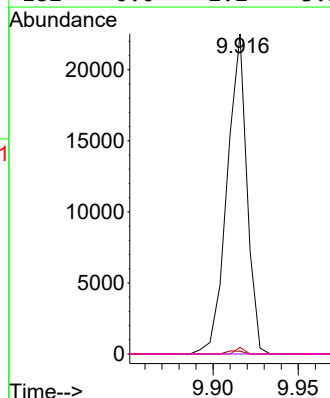
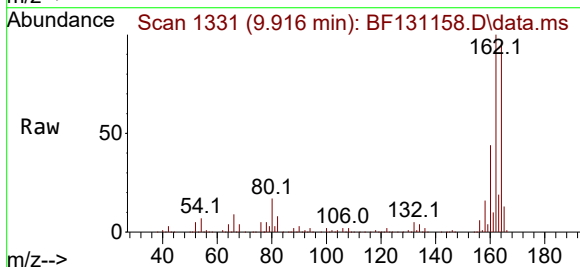
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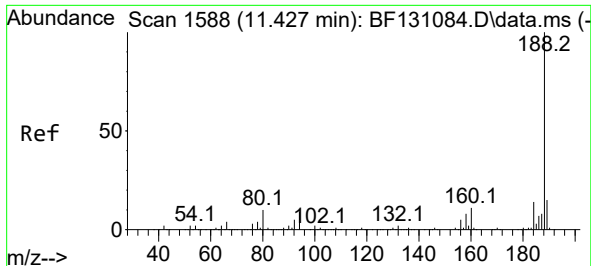
Tgt Ion:165 Resp: 18218  
Ion Ratio Lower Upper  
165 100  
63 0.8 61.4 92.2#  
89 2.1 56.0 84.0#



#57  
2,4-Dinitrotoluene  
Concen: 6.299 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.194 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion:165 Resp: 18218  
Ion Ratio Lower Upper  
165 100  
63 0.8 46.9 70.3#  
89 2.1 66.9 100.3#  
182 0.0 2.2 3.2#

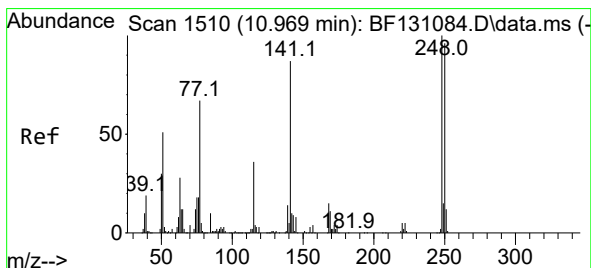
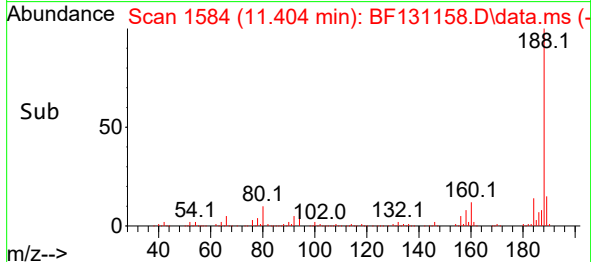
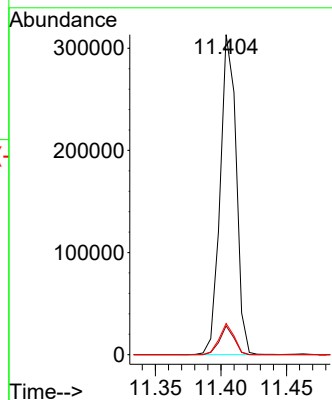
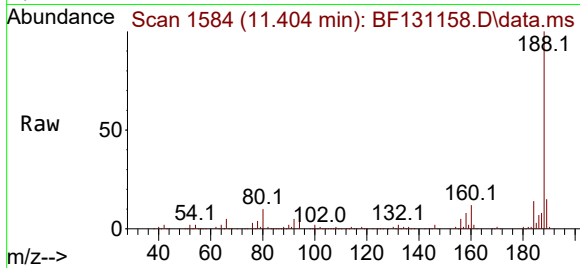




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

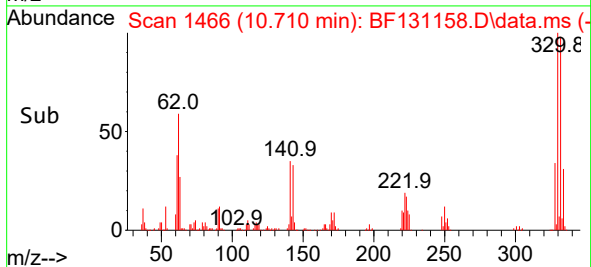
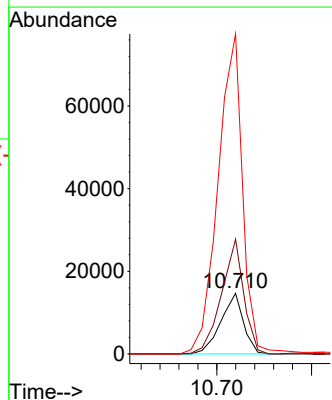
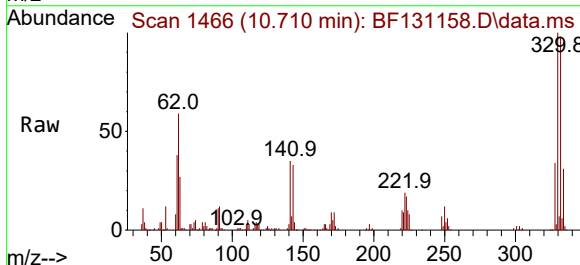
Instrument :  
BNA\_F  
ClientSampleId :  
PB148951BL

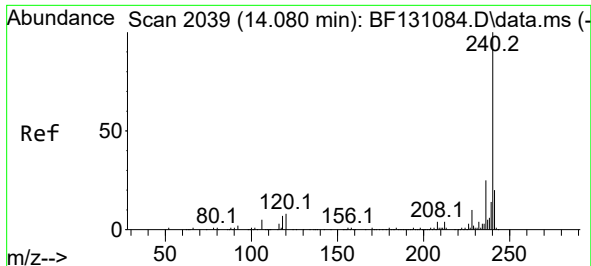
Tgt Ion:188 Resp: 265692  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.6  
80 9.8 7.9 11.9



#67  
4-Bromophenyl-phenylether  
Concen: 4.066 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.241 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion:248 Resp: 12215  
Ion Ratio Lower Upper  
248 100  
250 189.1 77.0 115.6#  
141 527.2 69.7 104.5#

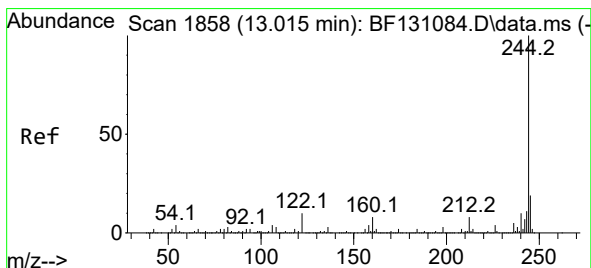
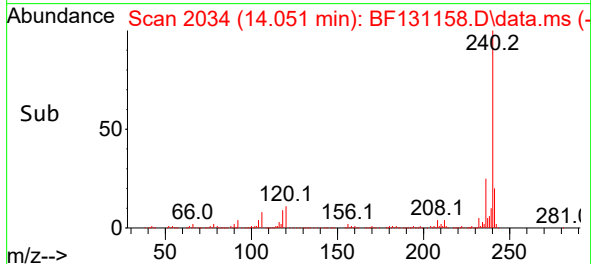
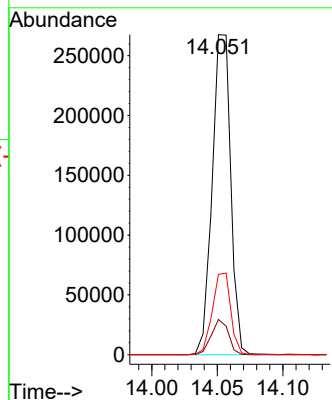
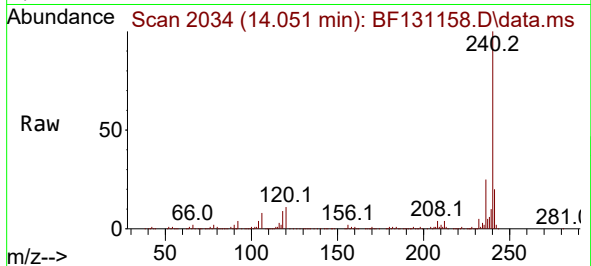




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

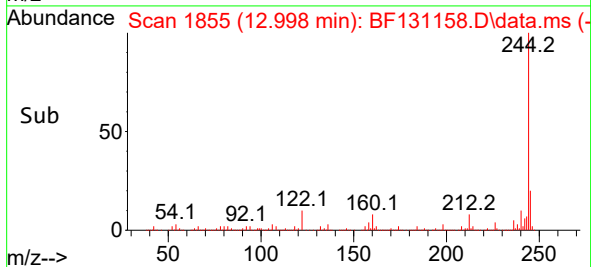
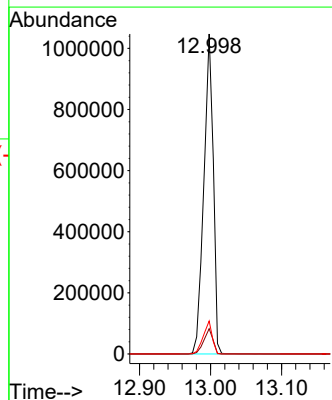
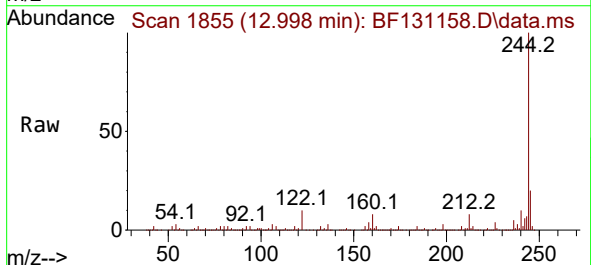
Instrument :  
BNA\_F  
ClientSampleId :  
PB148951BL

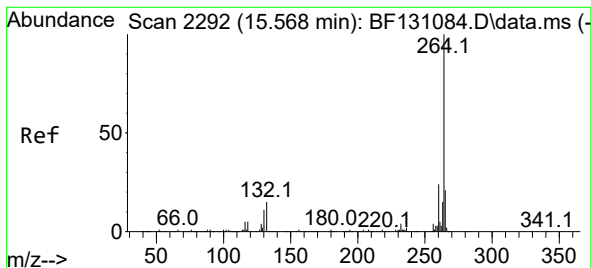
Tgt Ion:240 Resp: 263670  
Ion Ratio Lower Upper  
240 100  
120 11.0 6.5 9.7#  
236 25.1 19.7 29.5



#79  
Terphenyl-d14  
Concen: 64.446 ng  
RT: 12.998 min Scan# 1855  
Delta R.T. -0.000 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion:244 Resp: 969162  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.2 9.2  
122 10.3 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131158.D

Acq: 11 Nov 2022 17:34

Instrument :

BNA\_F

ClientSampleId :

PB148951BL

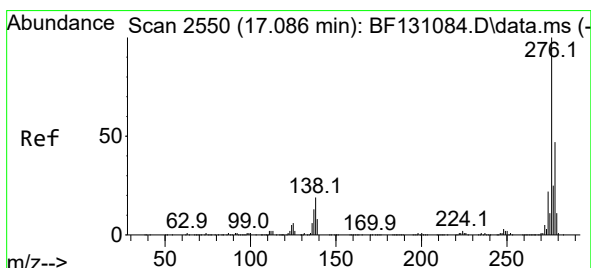
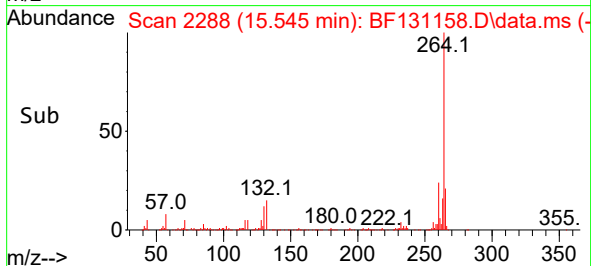
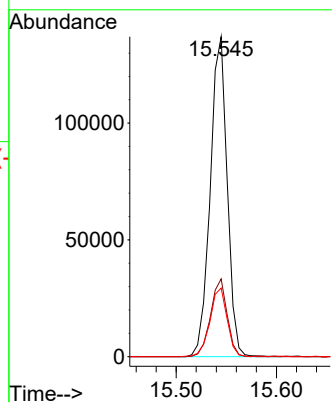
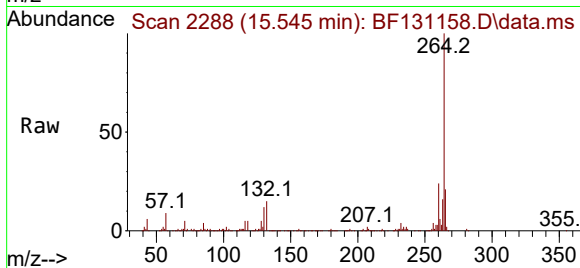
Tgt Ion:264 Resp: 161208

Ion Ratio Lower Upper

264 100

260 24.3 19.1 28.7

265 21.5 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.908 ng

RT: 17.057 min Scan# 2545

Delta R.T. -0.000 min

Lab File: BF131158.D

Acq: 11 Nov 2022 17:34

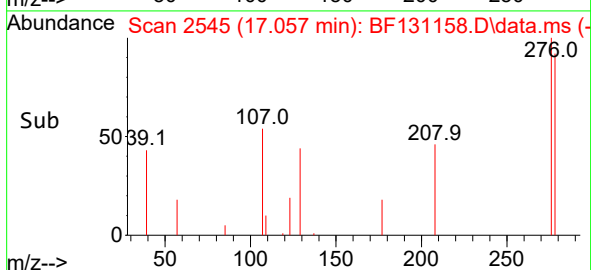
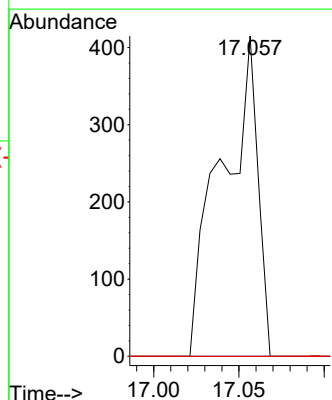
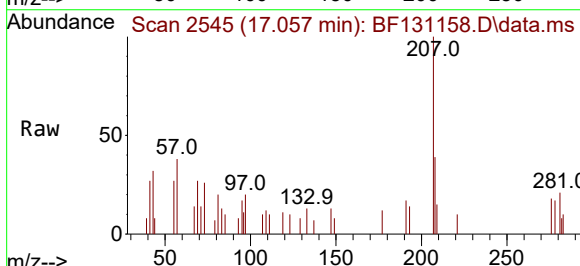
Tgt Ion:276 Resp: 612

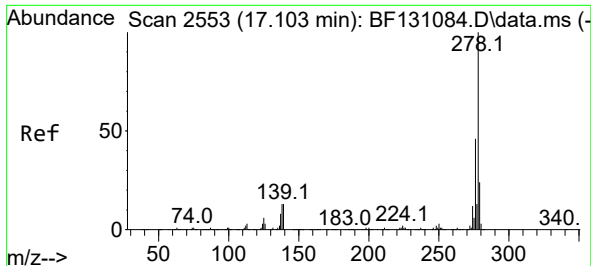
Ion Ratio Lower Upper

276 100

138 0.0 16.9 25.3#

277 0.0 20.3 30.5#

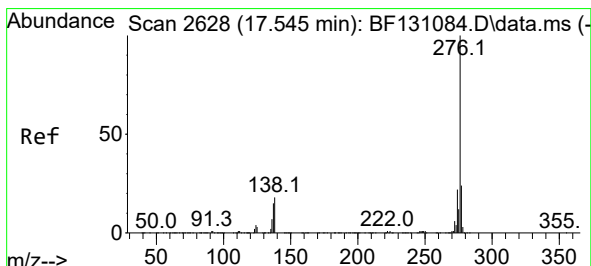
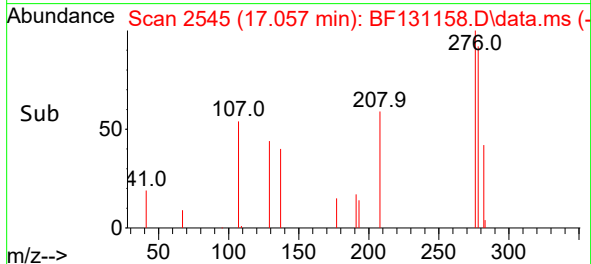
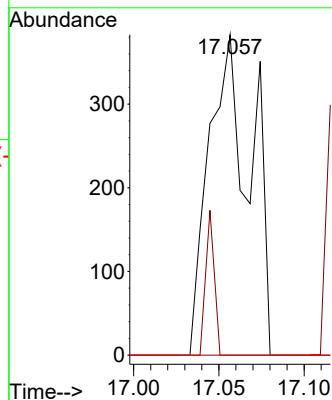
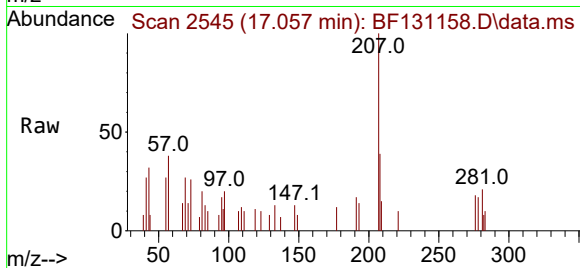




#91  
Dibenzo(a,h)anthracene  
Concen: 3.895 ng  
RT: 17.057 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB148951BL

Tgt Ion:278 Resp: 648  
Ion Ratio Lower Upper  
278 100  
139 0.0 10.8 16.2#  
279 0.0 19.2 28.8#



#92  
Benzo(g,h,i)perylene  
Concen: 4.427 ng  
RT: 17.498 min Scan# 2620  
Delta R.T. -0.018 min  
Lab File: BF131158.D  
Acq: 11 Nov 2022 17:34

Tgt Ion:276 Resp: 760  
Ion Ratio Lower Upper  
276 100  
277 39.8 19.0 28.4#  
138 0.0 14.6 21.8#

