

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111522\  
 Data File : BF131244.D  
 Acq On : 15 Nov 2022 21:44  
 Operator : CG\JU  
 Sample : PB148901BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148901BL

Quant Time: Nov 16 07:03:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF111522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 16 06:35:36 2022  
 Response via : Initial Calibration

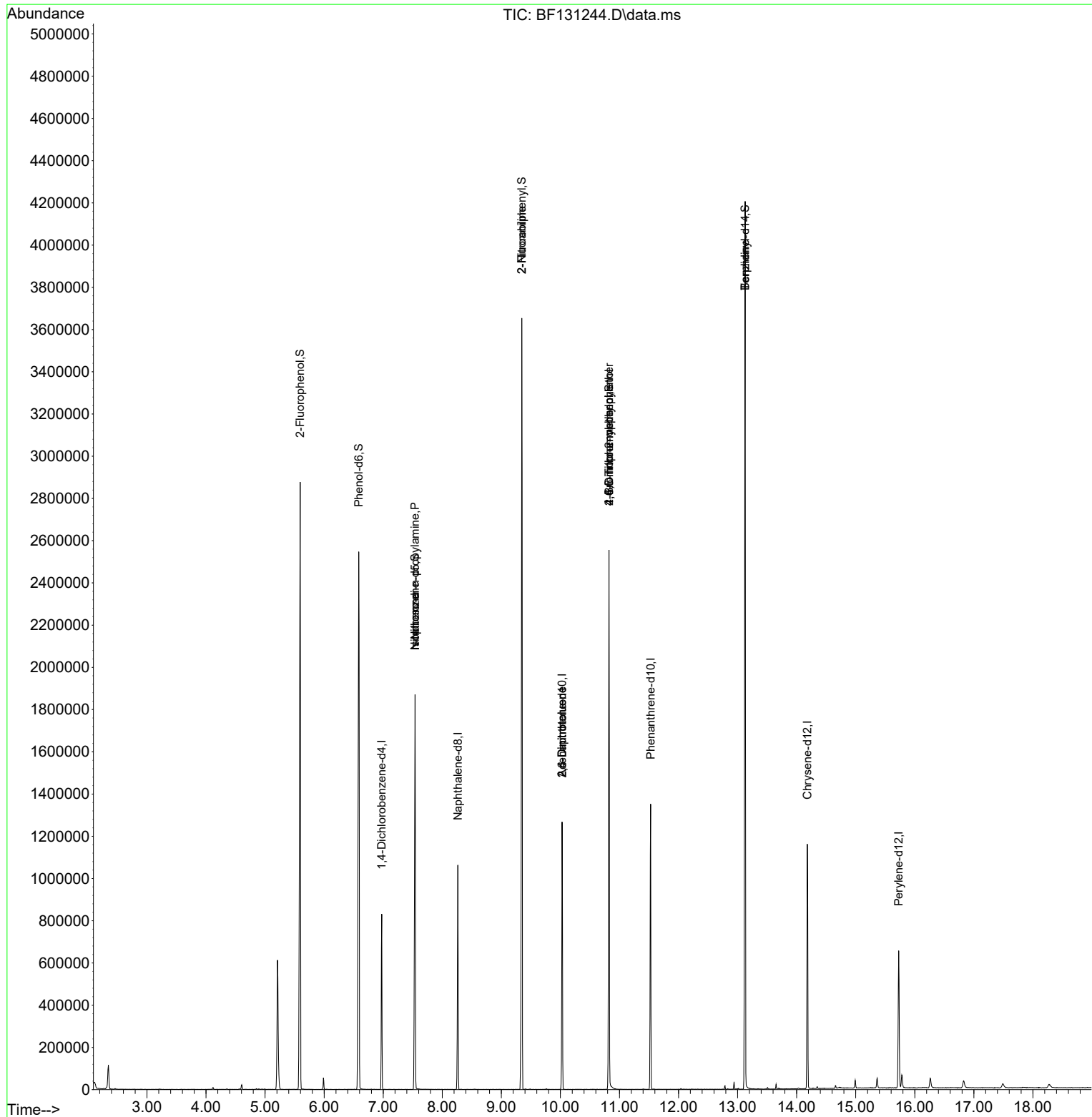
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.975  | 152  | 109934   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.263  | 136  | 429155   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.028 | 164  | 249763   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.528 | 188  | 467192   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.180 | 240  | 390443   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.727 | 264  | 307400   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.593  | 112  | 770676   | 124.136 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.587  | 99   | 978413   | 124.428 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.540  | 82   | 626343   | 81.920  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.822 | 330  | 294456   | 123.422 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.345  | 172  | 1219512  | 71.453  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.127 | 244  | 1528265  | 67.217  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.540  | 70   | 88162    | 16.090  | ng    | # 76     |
| 25) Isophorone                | 7.540  | 82   | 625947   | 40.980  | ng    | # 67     |
| 48) 2-Nitroaniline            | 9.345  | 65   | 2341     | 4.487   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 10.028 | 165  | 32241    | 11.592  | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 10.028 | 165  | 32241    | 10.987  | ng    | # 17     |
| 65) 4,6-Dinitro-2-methylph... | 10.822 | 198  | 716      | 8.301   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.822 | 248  | 19623    | 3.577   | ng    | # 1      |
| 77) Benzidine                 | 13.127 | 184  | 21035    | 2.514   | ng    | # 96     |
| -----                         |        |      |          |         |       |          |

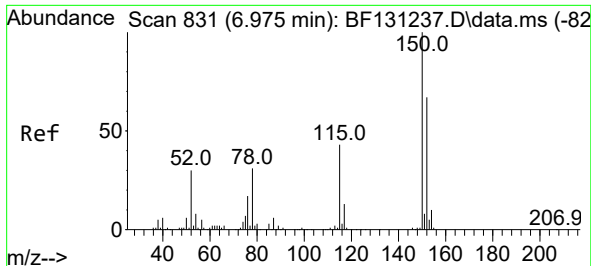
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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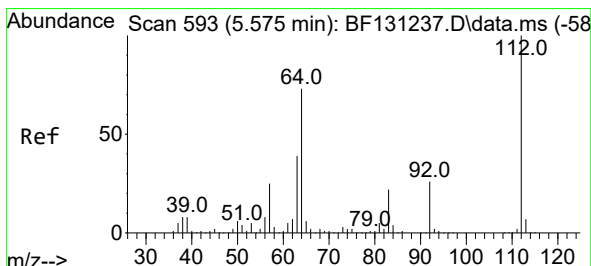
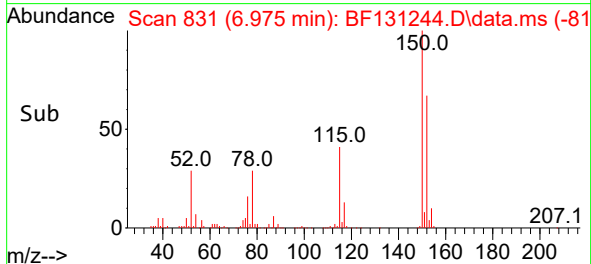
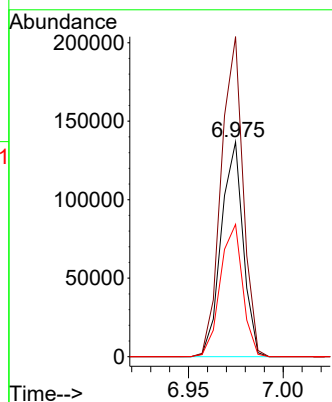
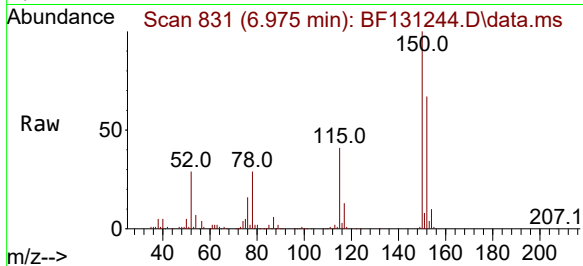




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.975 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

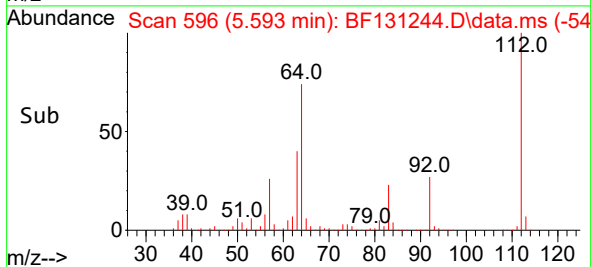
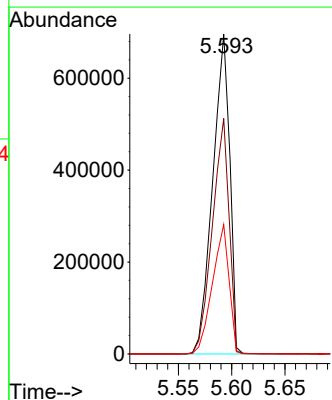
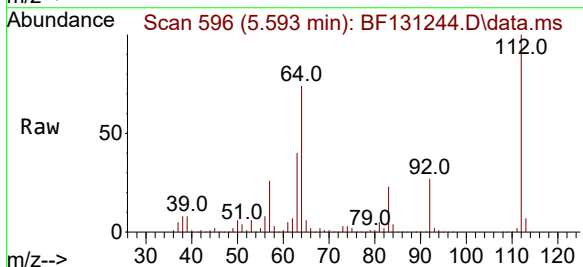
Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

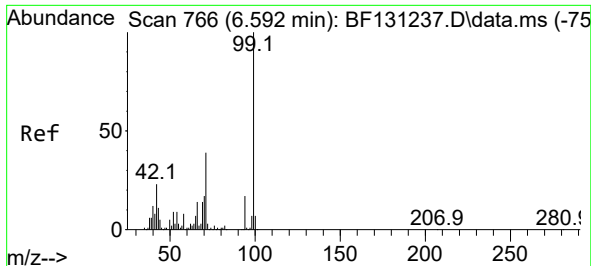
Tgt Ion:152 Resp: 109934  
Ion Ratio Lower Upper  
152 100  
150 149.0 120.2 180.4  
115 61.6 51.8 77.8



#5  
2-Fluorophenol  
Concen: 124.136 ng  
RT: 5.593 min Scan# 596  
Delta R.T. 0.018 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion:112 Resp: 770676  
Ion Ratio Lower Upper  
112 100  
64 73.6 58.4 87.6  
63 40.5 31.6 47.4

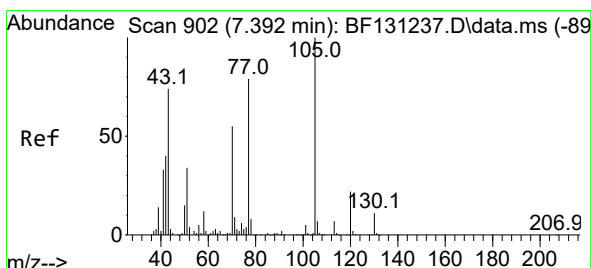
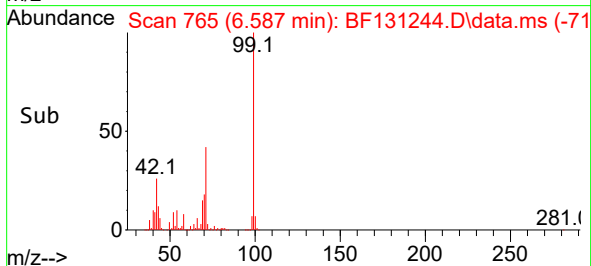
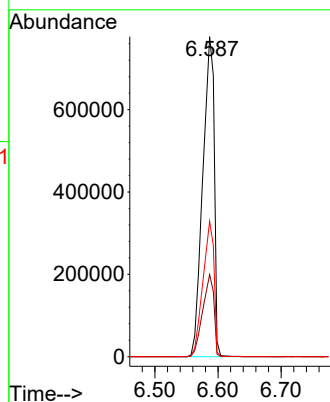
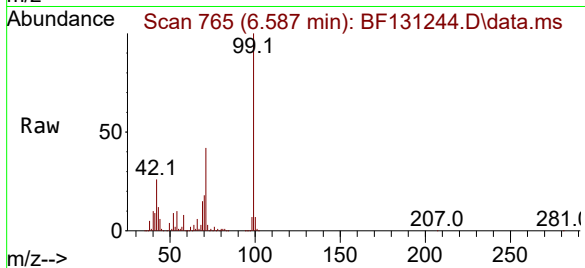




#7  
Phenol-d6  
Concen: 124.428 ng  
RT: 6.587 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

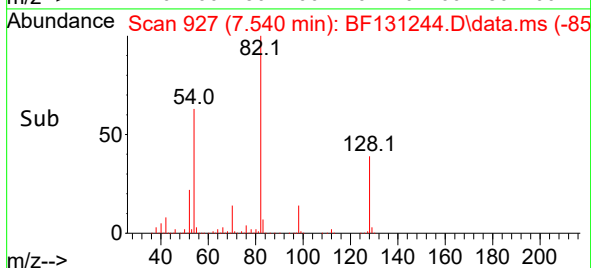
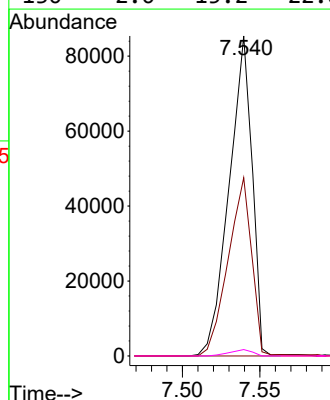
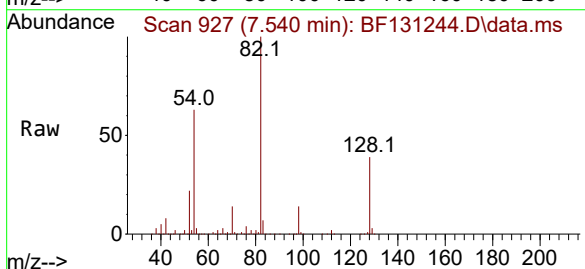
Instrument :  
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ClientSampleId :  
PB148901BL

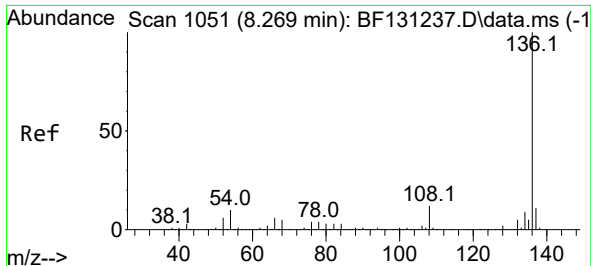
Tgt Ion: 99 Resp: 978413  
Ion Ratio Lower Upper  
99 100  
42 25.6 18.6 28.0  
71 42.3 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.090 ng  
RT: 7.540 min Scan# 927  
Delta R.T. 0.147 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion: 70 Resp: 88162  
Ion Ratio Lower Upper  
70 100  
42 55.7 58.3 87.5#  
101 0.0 7.2 10.8#  
130 2.0 15.2 22.8#

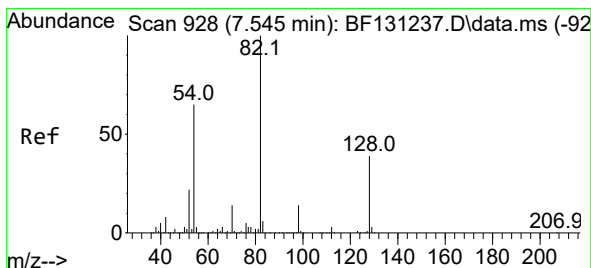
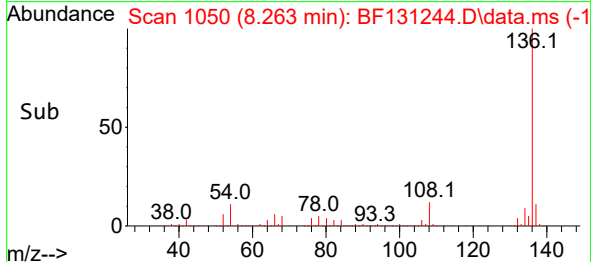
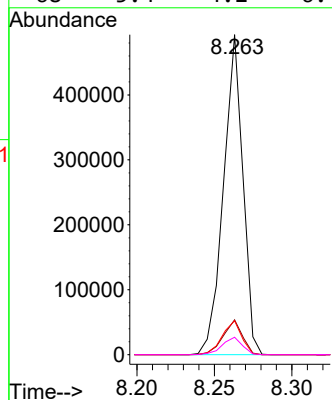
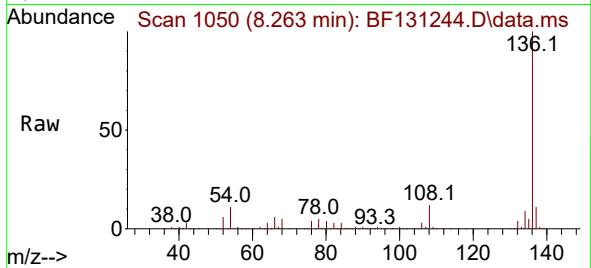




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.263 min Scan# 1050  
Delta R.T. -0.006 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

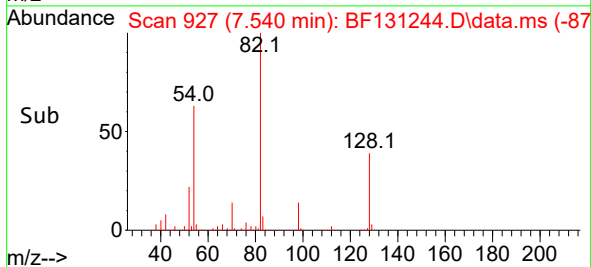
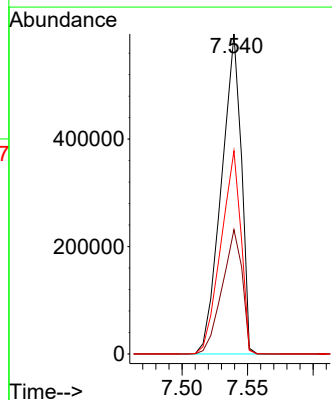
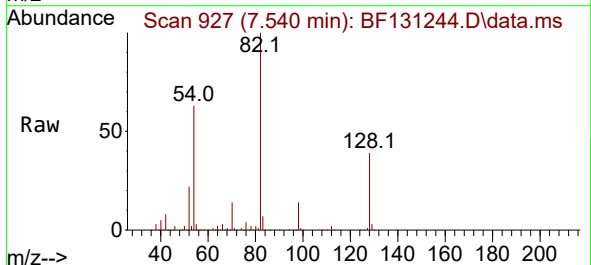
Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

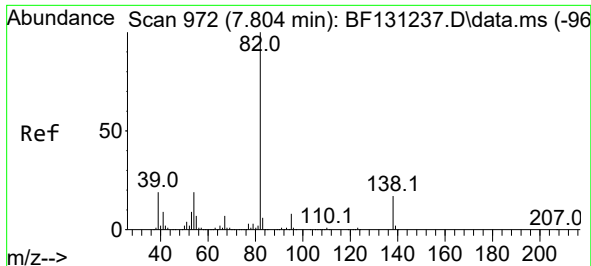
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 429155 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.5   | 12.7   |
| 54       | 10.6  | 7.8   | 11.8   |
| 68       | 5.4   | 4.2   | 6.4    |



#23  
Nitrobenzene-d5  
Concen: 81.920 ng  
RT: 7.540 min Scan# 927  
Delta R.T. -0.005 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 626343 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.9  | 31.1  | 46.7   |
| 54       | 63.4  | 51.8  | 77.6   |

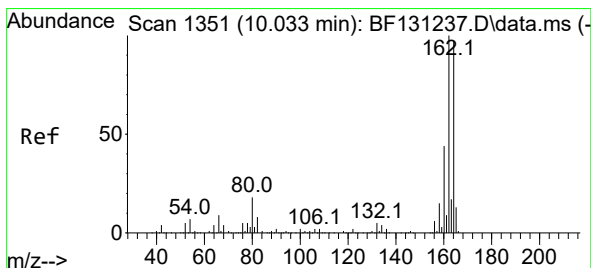
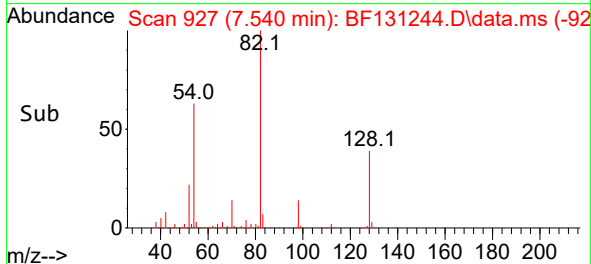
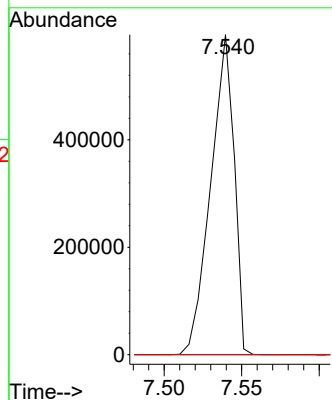
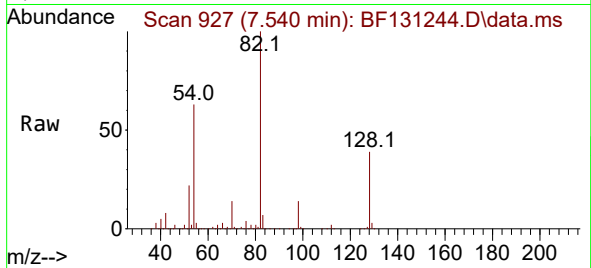




#25  
Isophorone  
Concen: 40.980 ng  
RT: 7.540 min Scan# 91  
Delta R.T. -0.264 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

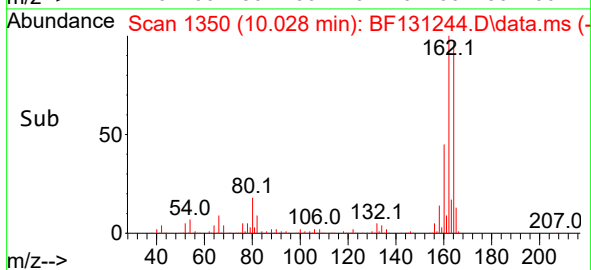
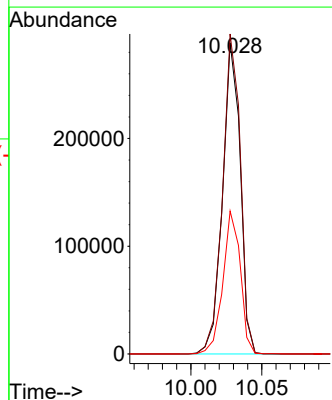
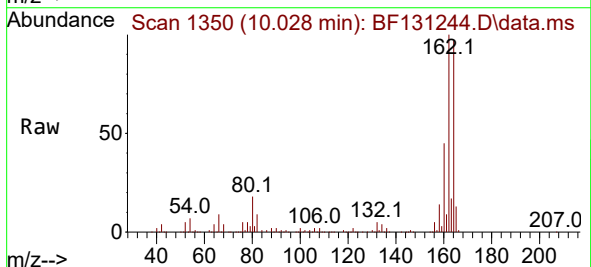
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ClientSampleId :  
PB148901BL

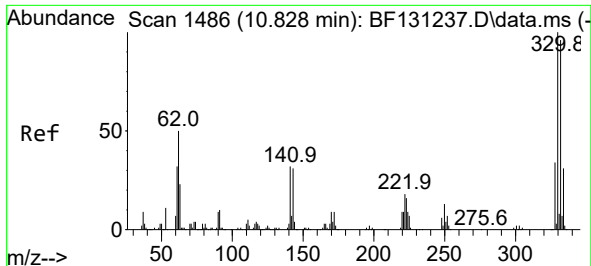
Tgt Ion: 82 Resp: 625947  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 13.4 20.0#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.028 min Scan# 1350  
Delta R.T. -0.005 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion:164 Resp: 249763  
Ion Ratio Lower Upper  
164 100  
162 102.8 82.1 123.1  
160 45.9 36.2 54.4

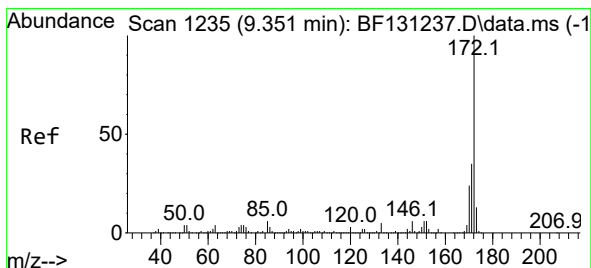
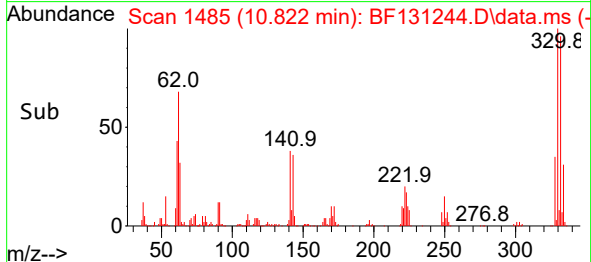
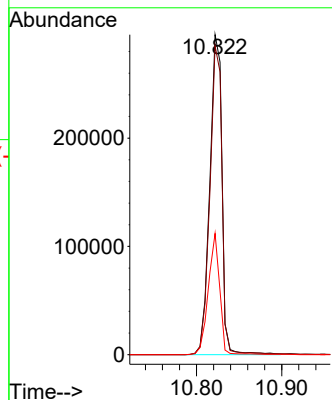
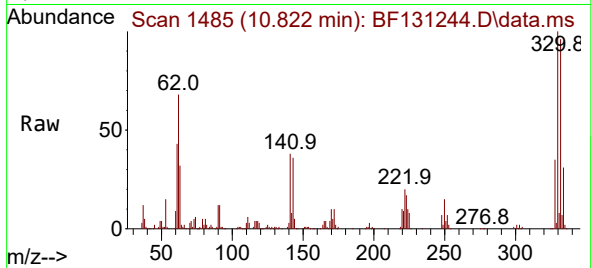




#42  
2,4,6-Tribromophenol  
Concen: 123.422 ng  
RT: 10.822 min Scan# 1486  
Delta R.T. -0.006 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

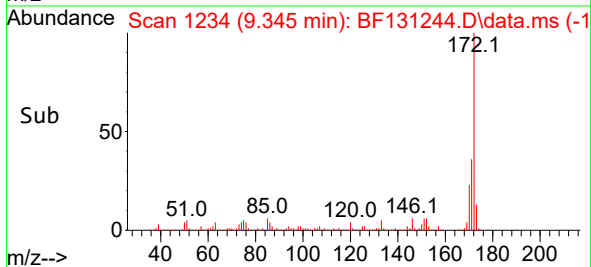
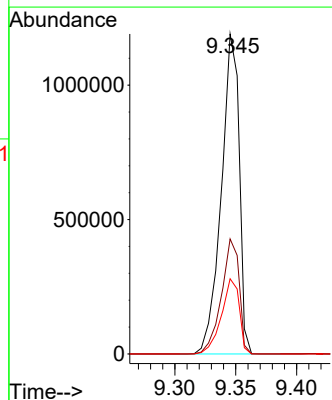
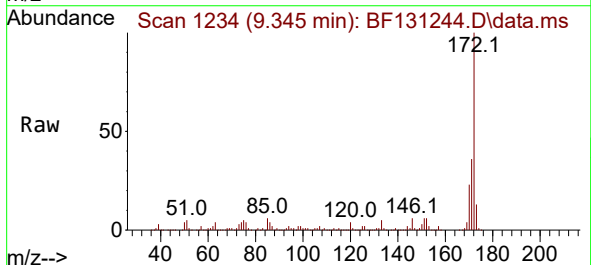
Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

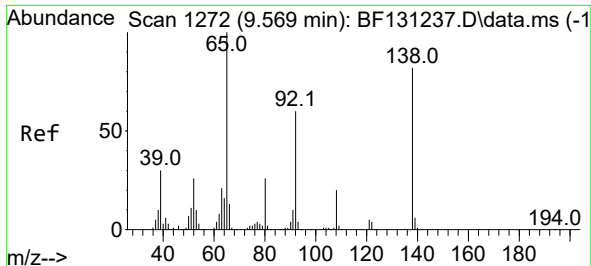
Tgt Ion:330 Resp: 294456  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.8 115.2  
141 35.5 29.6 44.4



#45  
2-Fluorobiphenyl  
Concen: 71.453 ng  
RT: 9.345 min Scan# 1234  
Delta R.T. -0.006 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion:172 Resp: 1219512  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.2 42.2  
170 23.5 18.8 28.2

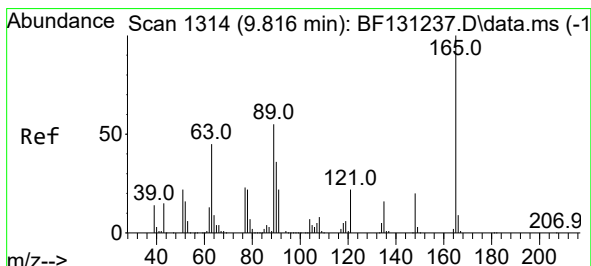
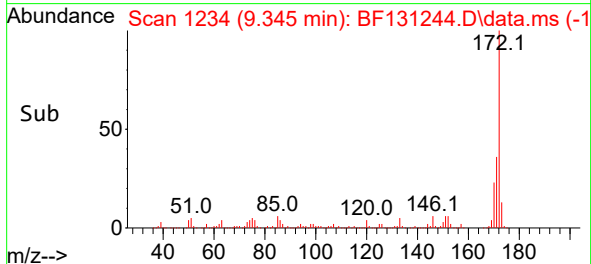
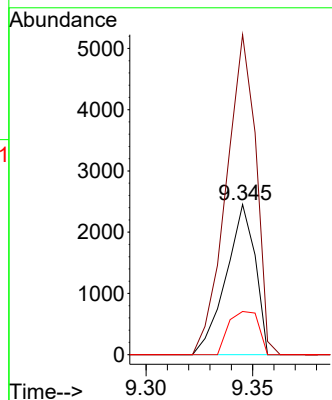
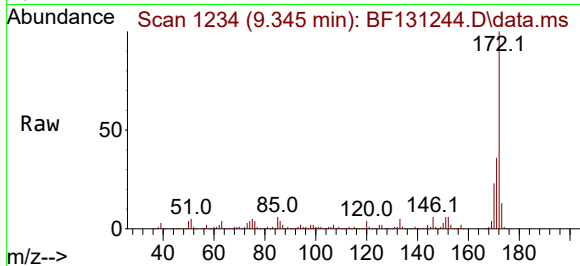




#48  
2-Nitroaniline  
Concen: 4.487 ng  
RT: 9.345 min Scan# 11  
Delta R.T. -0.224 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

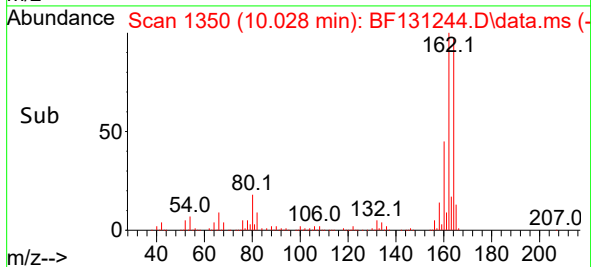
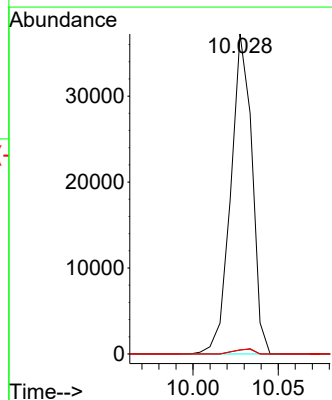
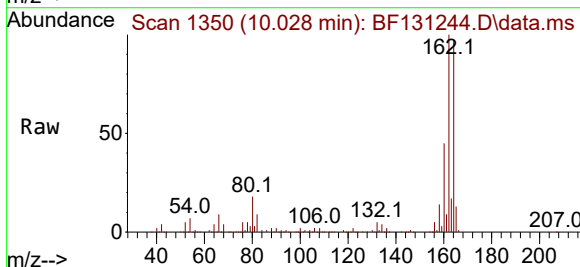
Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

Tgt Ion: 65 Resp: 2341  
Ion Ratio Lower Upper  
65 100  
92 213.0 48.2 72.2#  
138 28.8 65.8 98.8#

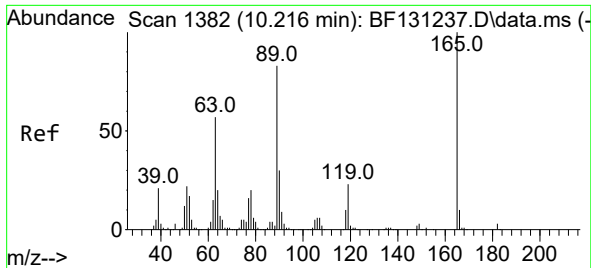


#51  
2,6-Dinitrotoluene  
Concen: 11.592 ng  
RT: 10.028 min Scan# 1350  
Delta R.T. 0.212 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion: 165 Resp: 32241  
Ion Ratio Lower Upper  
165 100  
63 1.2 49.8 74.6#  
89 1.3 44.5 66.7#

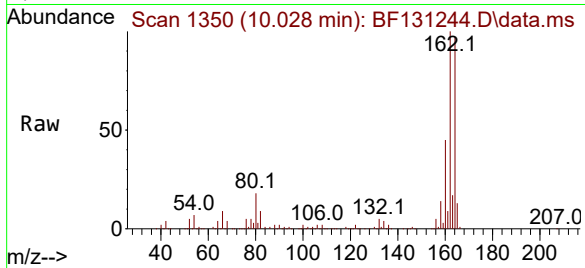




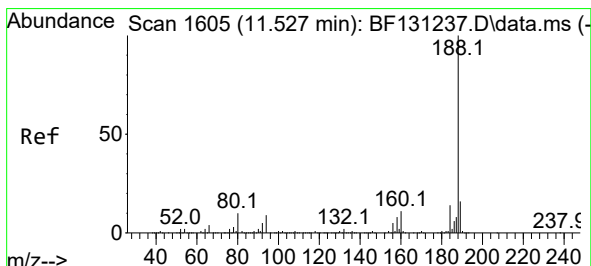
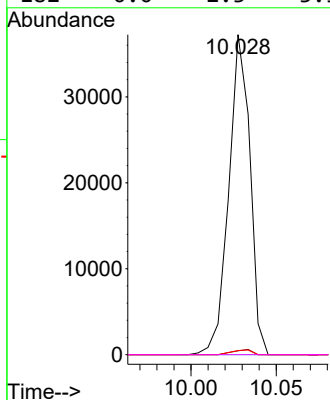
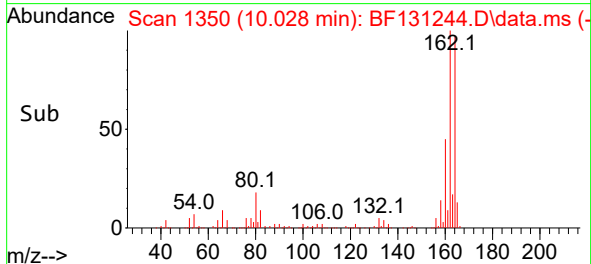


#57  
2,4-Dinitrotoluene  
Concen: 10.987 ng  
RT: 10.028 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

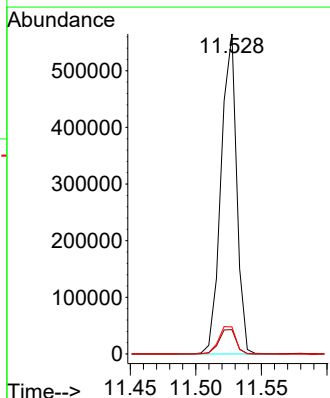
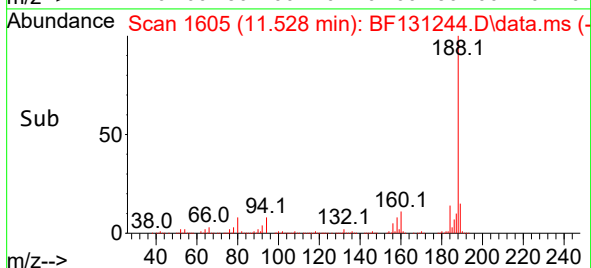
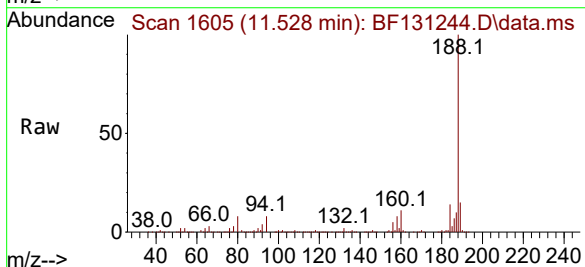


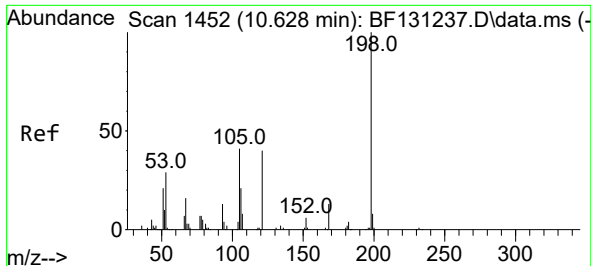
Tgt Ion:165 Resp: 32241  
Ion Ratio Lower Upper  
165 100  
63 1.2 46.0 69.0#  
89 1.3 66.2 99.4#  
182 0.0 2.3 3.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.528 min Scan# 1605  
Delta R.T. 0.000 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion:188 Resp: 467192  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.8 10.2  
80 8.4 8.0 12.0

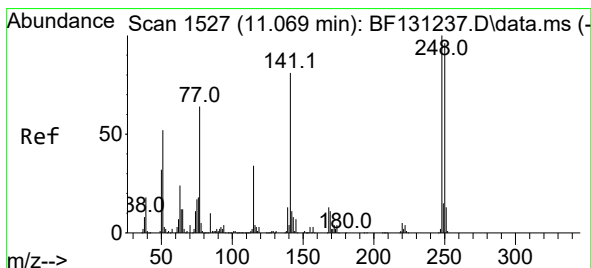
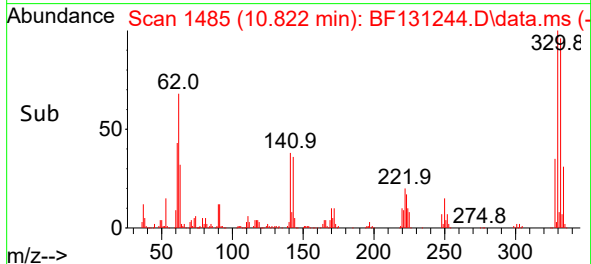
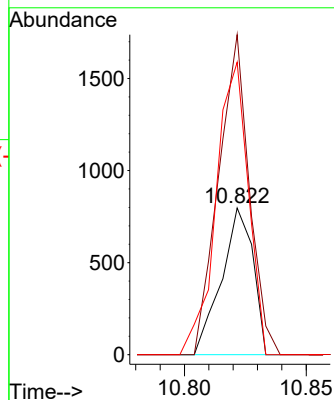
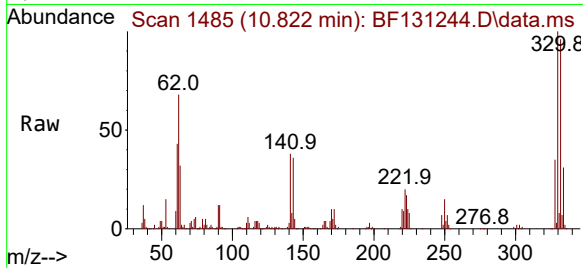




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.301 ng  
RT: 10.822 min Scan# 1452  
Delta R.T. 0.194 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

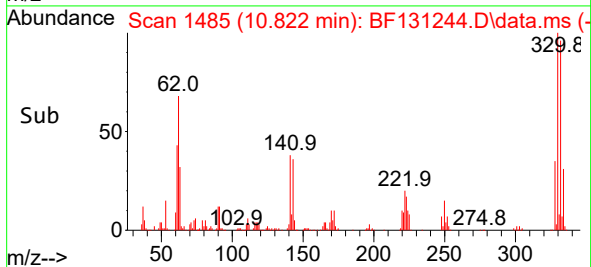
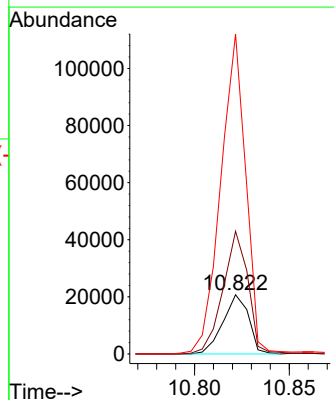
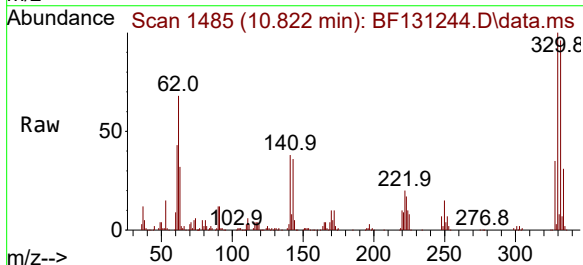
Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

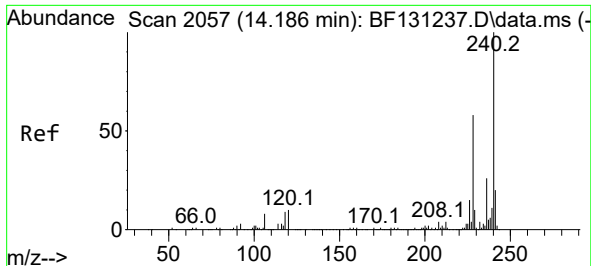
Tgt Ion:198 Resp: 716  
Ion Ratio Lower Upper  
198 100  
51 218.1 29.4 69.4#  
105 199.4 22.2 62.2#



#67  
4-Bromophenyl-phenylether  
Concen: 3.577 ng  
RT: 10.822 min Scan# 1485  
Delta R.T. -0.247 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion:248 Resp: 19623  
Ion Ratio Lower Upper  
248 100  
250 207.3 76.6 114.8#  
141 540.5 64.7 97.1#

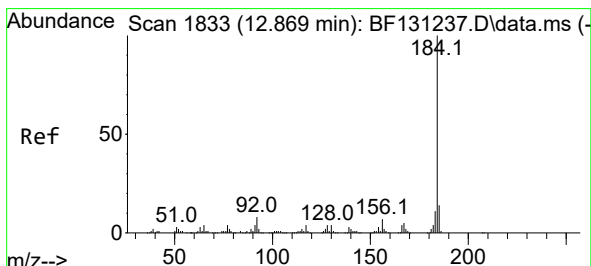
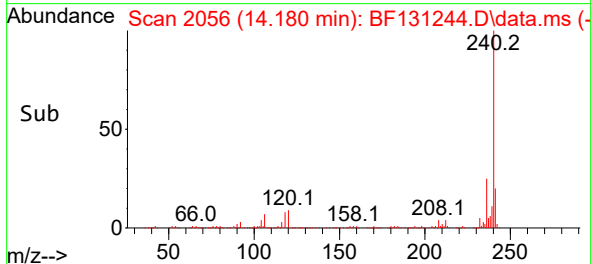
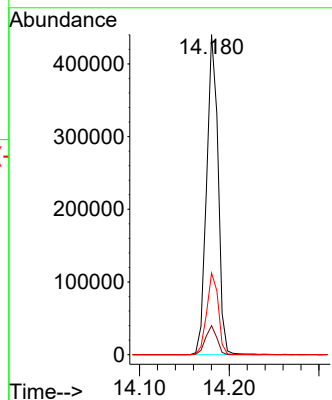
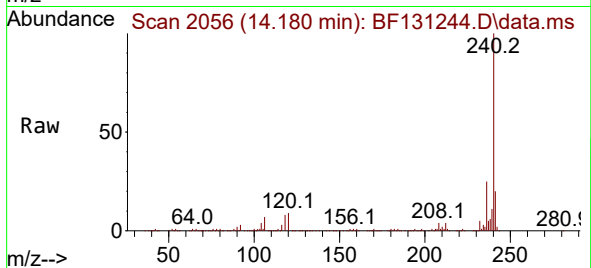




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.180 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

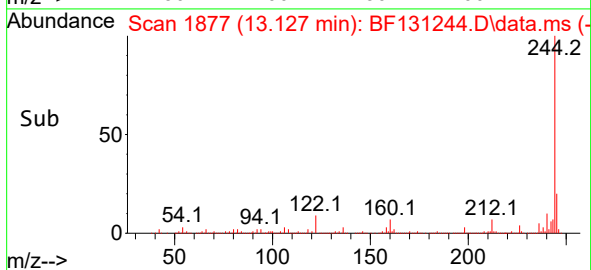
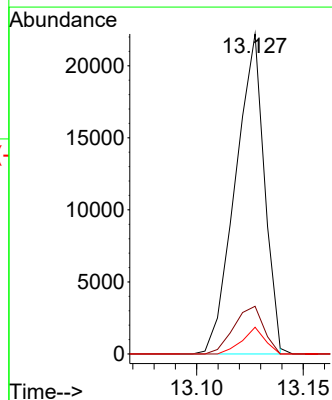
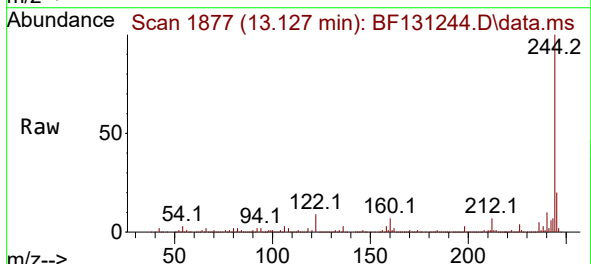
Instrument :  
BNA\_F  
ClientSampleId :  
PB148901BL

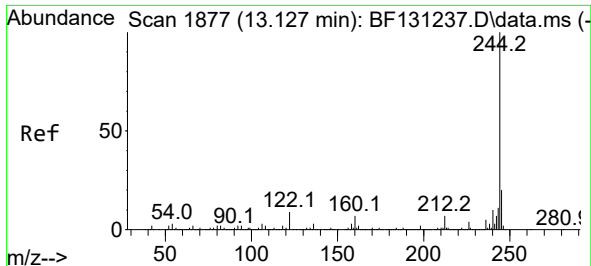
Tgt Ion:240 Resp: 390443  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.8 11.6  
236 25.5 20.6 31.0



#77  
Benzidine  
Concen: 2.514 ng  
RT: 13.127 min Scan# 1877  
Delta R.T. 0.258 min  
Lab File: BF131244.D  
Acq: 15 Nov 2022 21:44

Tgt Ion:184 Resp: 21035  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.4 17.2  
183 8.3 9.0 13.4#

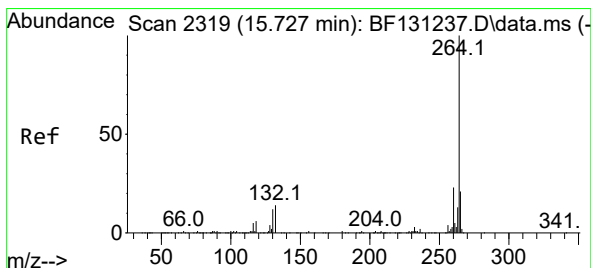
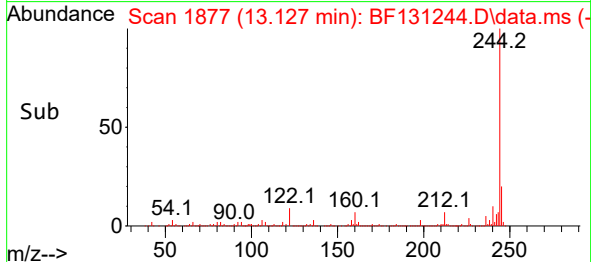
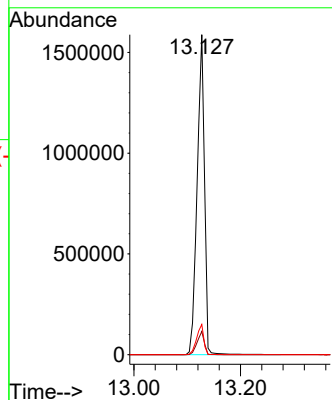
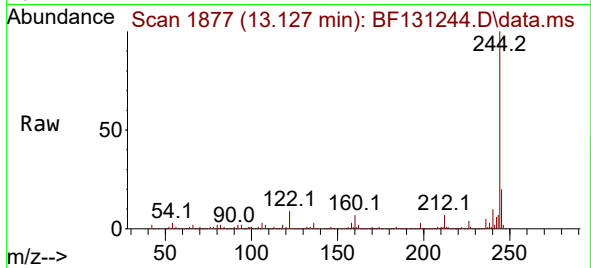




#79  
 Terphenyl-d14  
 Concen: 67.217 ng  
 RT: 13.127 min Scan# 1877  
 Delta R.T. 0.000 min  
 Lab File: BF131244.D  
 Acq: 15 Nov 2022 21:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB148901BL

Tgt Ion:244 Resp: 1528265  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.6  
 122 9.4 7.4 11.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.727 min Scan# 2319  
 Delta R.T. 0.000 min  
 Lab File: BF131244.D  
 Acq: 15 Nov 2022 21:44

Tgt Ion:264 Resp: 307400  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 18.6 27.8  
 265 21.0 16.6 24.8

