

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072922\  
 Data File : BF129444.D  
 Acq On : 29 Jul 2022 16:21  
 Operator : CG\JU  
 Sample : PB146544TB  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146544TB

Quant Time: Jul 29 18:22:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 25 17:24:17 2022  
 Response via : Initial Calibration

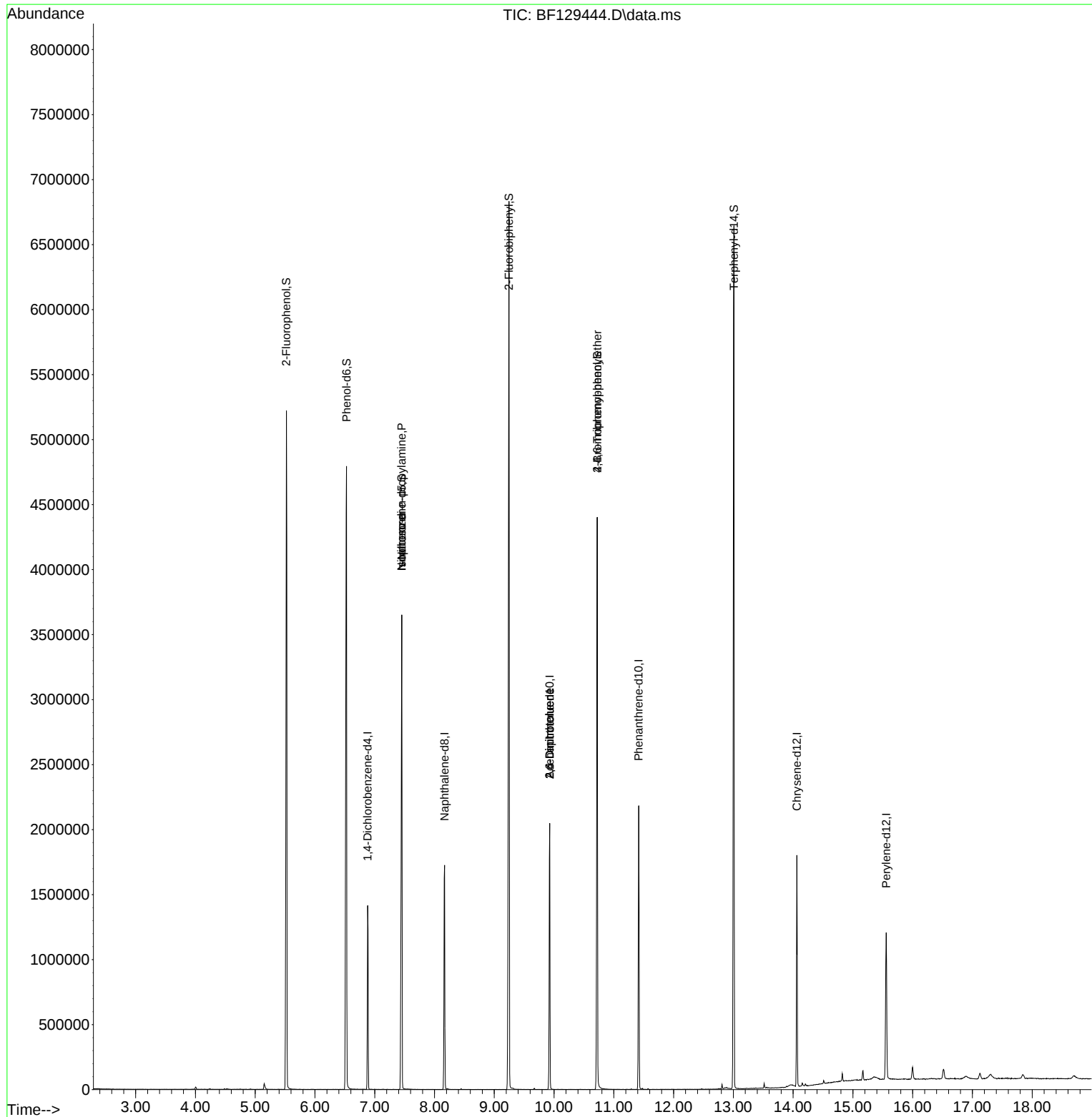
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 201516   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 819048   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 435517   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 744436   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 563683   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 471229   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 1572637  | 127.128 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.528  | 99   | 1975328  | 127.039 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1304298  | 86.930  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 522332   | 124.746 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2249604  | 79.906  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 2446320  | 81.875  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 173111   | 18.390  | ng    | # 74     |
| 25) Isophorone                | 7.451  | 82   | 1297777  | 48.254  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.928  | 165  | 56405    | 8.382   | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.928  | 165  | 56405    | 6.416   | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 33163    | 4.068   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

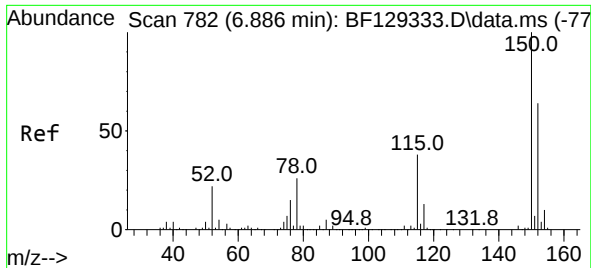
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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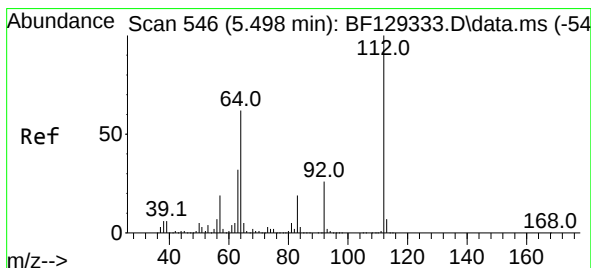
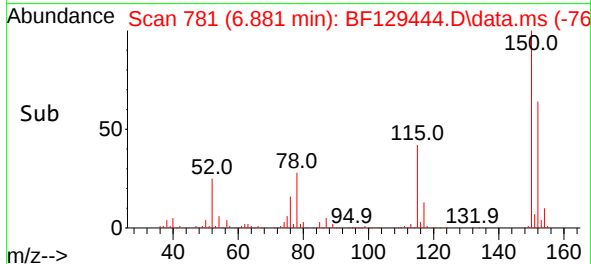
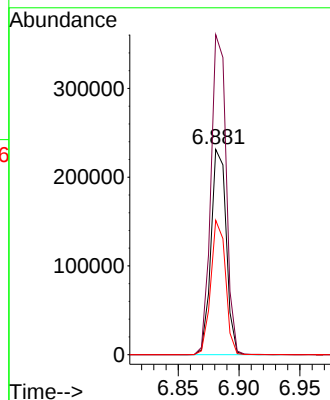
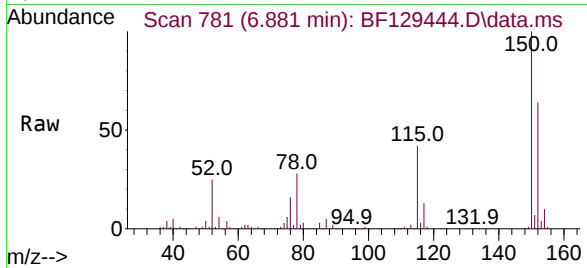




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

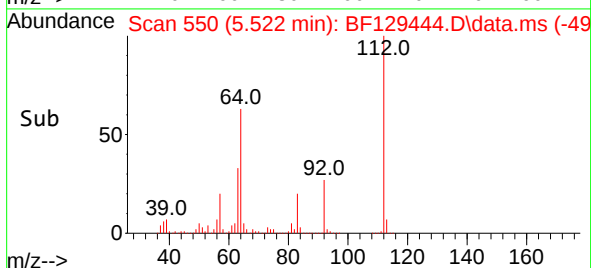
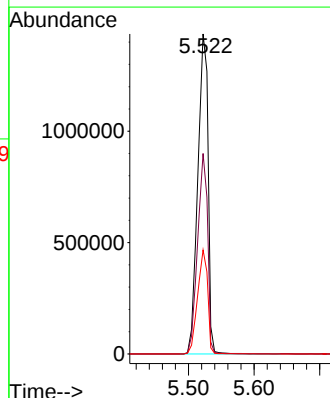
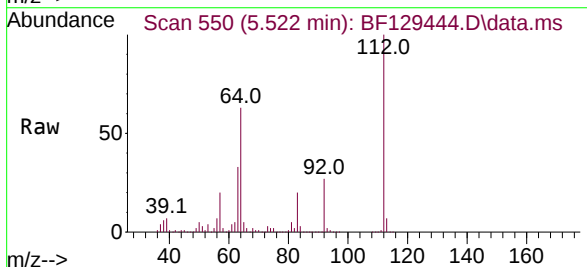
Instrument :  
BNA\_F  
ClientSampleId :  
PB146544TB

Tgt Ion:152 Resp: 201516  
Ion Ratio Lower Upper  
152 100  
150 155.9 123.7 185.5  
115 65.5 49.9 74.9



#5  
2-Fluorophenol  
Concen: 127.128 ng  
RT: 5.522 min Scan# 550  
Delta R.T. 0.024 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion:112 Resp: 1572637  
Ion Ratio Lower Upper  
112 100  
64 62.6 53.3 79.9  
63 32.5 28.0 42.0

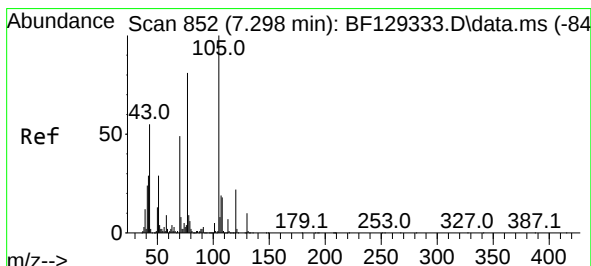
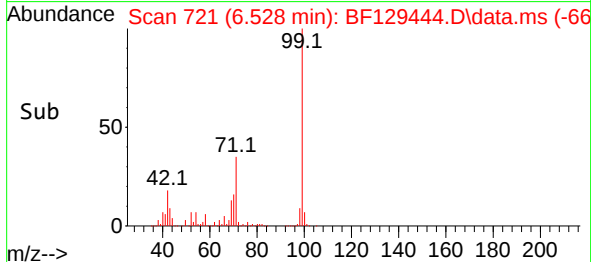
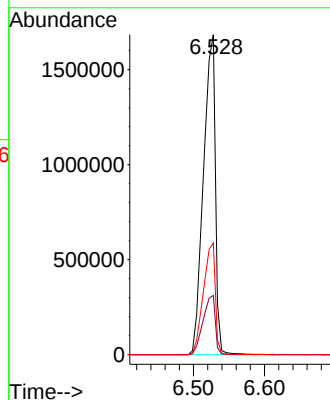
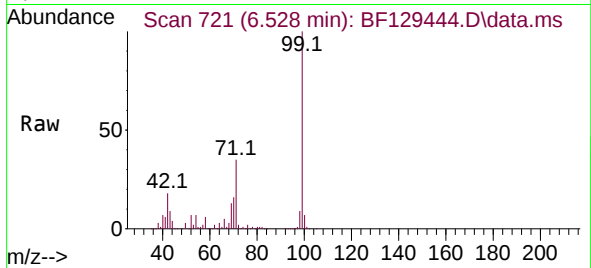




#7  
Phenol-d6  
Concen: 127.039 ng  
RT: 6.528 min Scan# 719  
Delta R.T. 0.012 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

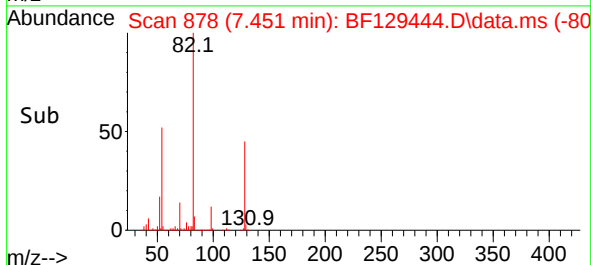
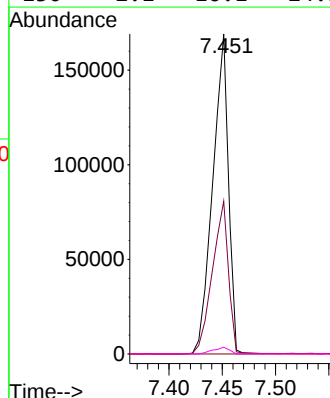
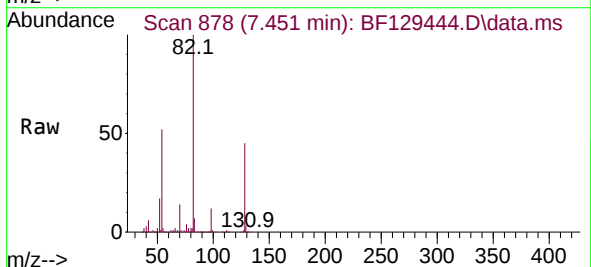
Instrument :  
BNA\_F  
ClientSampleId :  
PB146544TB

Tgt Ion: 99 Resp: 1975328  
Ion Ratio Lower Upper  
99 100  
42 18.5 17.3 25.9  
71 34.9 28.9 43.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.390 ng  
RT: 7.451 min Scan# 878  
Delta R.T. 0.153 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion: 70 Resp: 173111  
Ion Ratio Lower Upper  
70 100  
42 47.7 52.3 78.5#  
101 0.0 7.5 11.3#  
130 2.1 16.1 24.1#



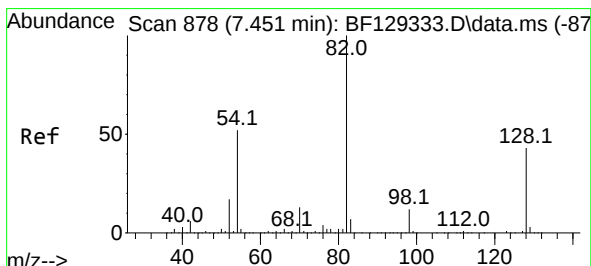
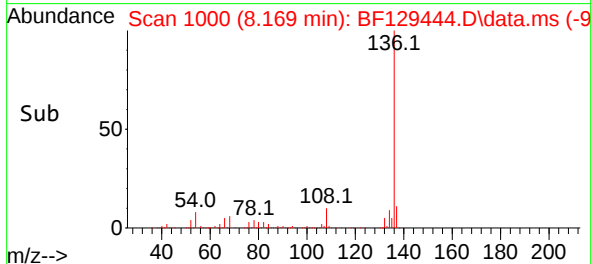
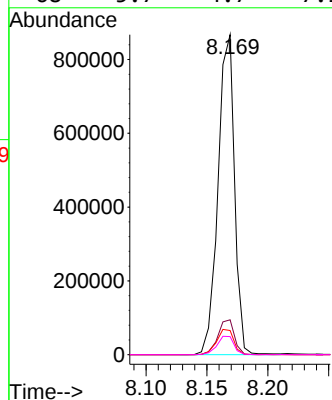
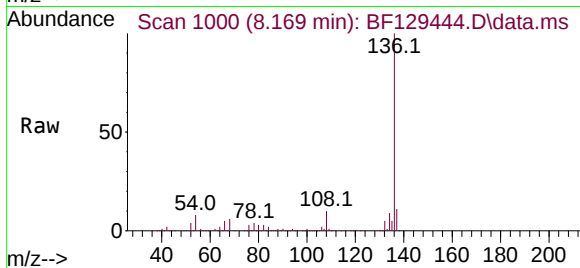


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB146544TB

Tgt Ion:136 Resp: 819048

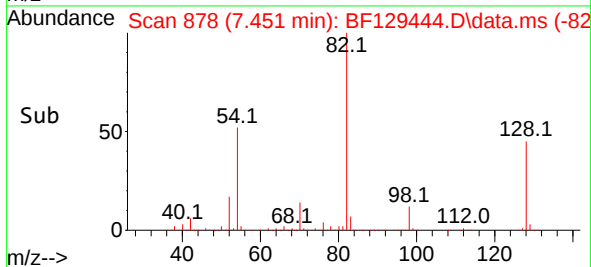
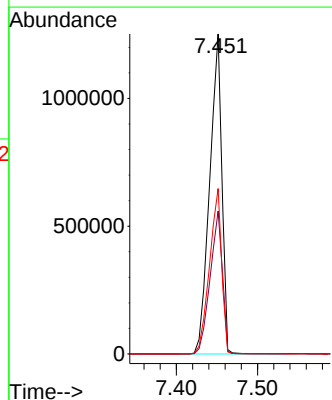
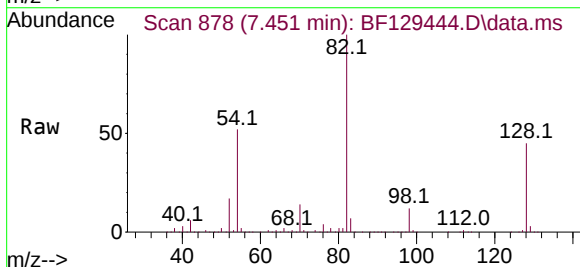
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 7.5   | 7.5   | 11.3  |
| 68  | 5.7   | 4.7   | 7.1   |

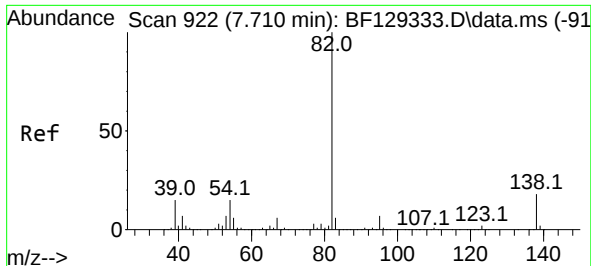


#23  
Nitrobenzene-d5  
Concen: 86.930 ng  
RT: 7.451 min Scan# 878  
Delta R.T. 0.000 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion: 82 Resp: 1304298

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.6  | 34.0  | 51.0  |
| 54  | 51.7  | 46.9  | 70.3  |

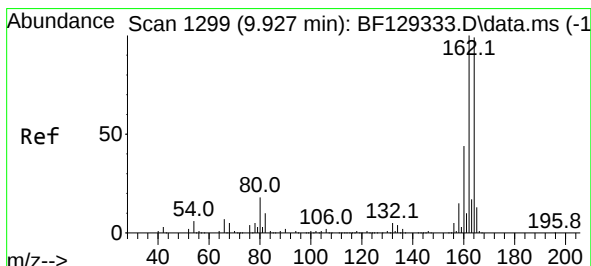
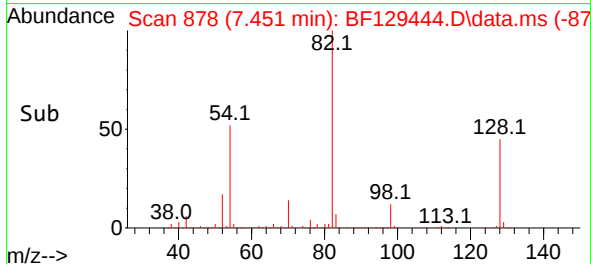
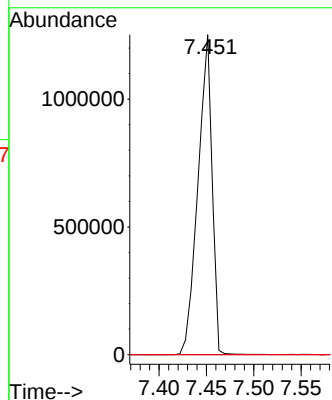
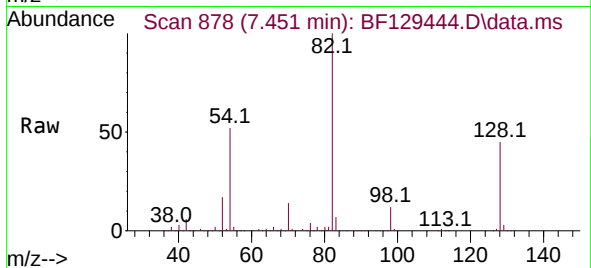




#25  
Isophorone  
Concen: 48.254 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

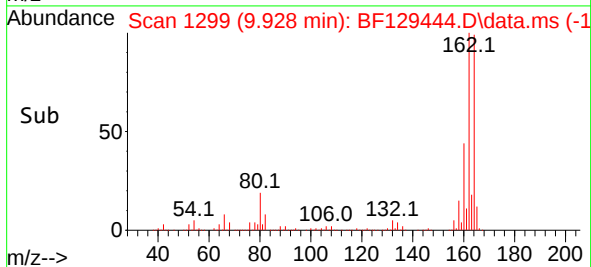
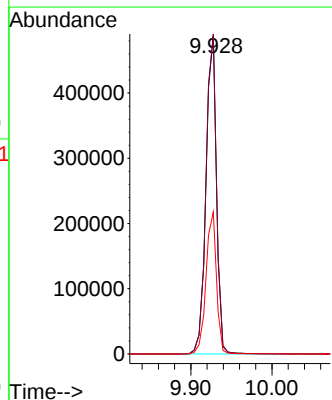
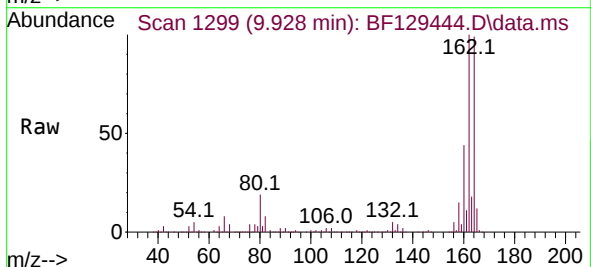
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ClientSampleId :  
PB146544TB

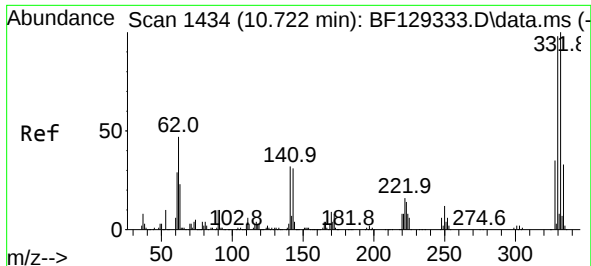
Tgt Ion: 82 Resp: 1297777  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. 0.000 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion:164 Resp: 435517  
Ion Ratio Lower Upper  
164 100  
162 100.5 79.5 119.3  
160 44.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 124.746 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129444.D

Acq: 29 Jul 2022 16:21

Instrument :

BNA\_F

ClientSampleId :

PB146544TB

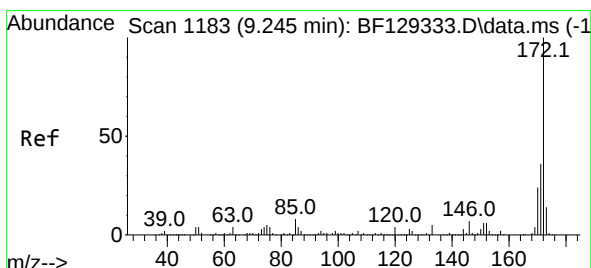
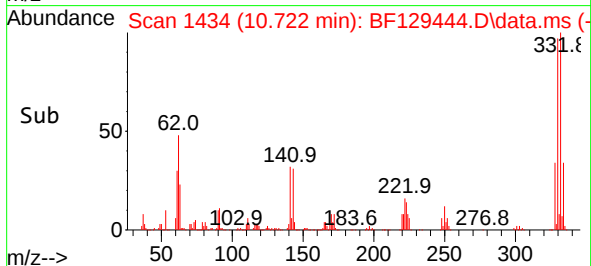
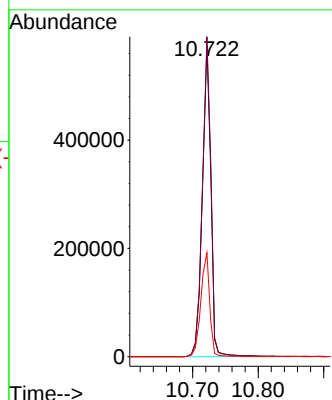
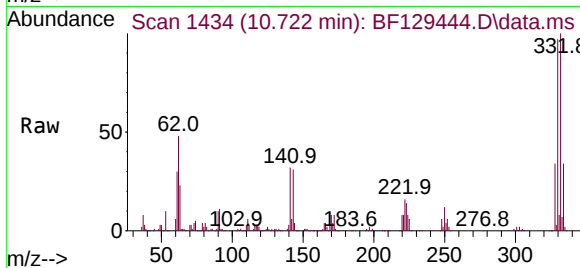
Tgt Ion:330 Resp: 522332

Ion Ratio Lower Upper

330 100

332 103.4 76.8 115.2

141 34.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 79.906 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129444.D

Acq: 29 Jul 2022 16:21

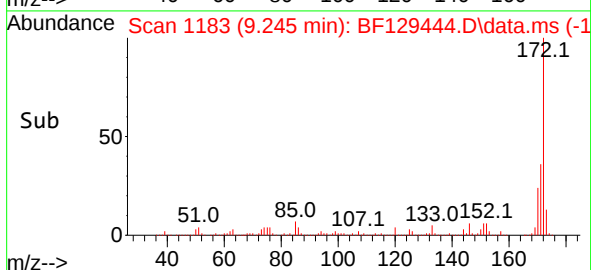
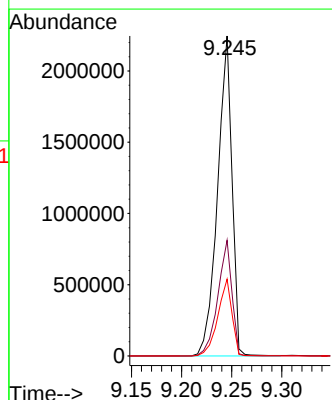
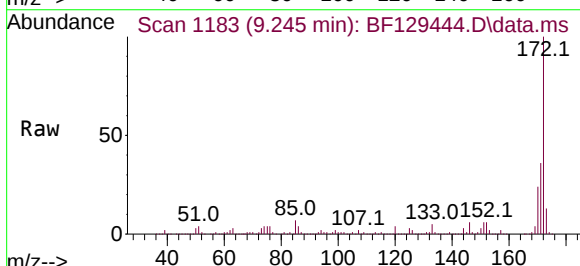
Tgt Ion:172 Resp: 2249604

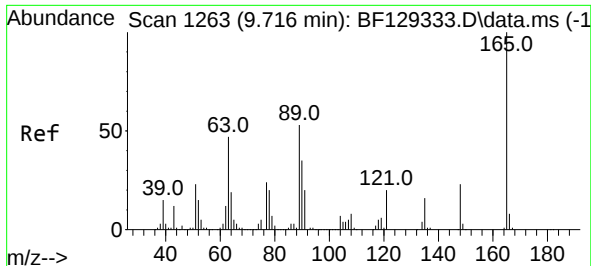
Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 24.0 19.8 29.8

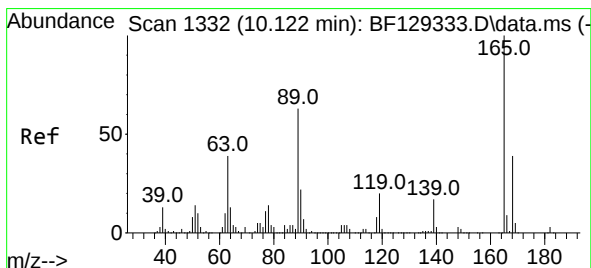
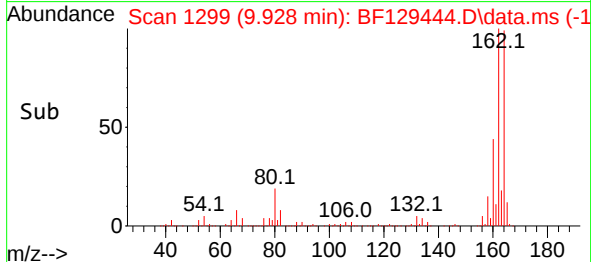
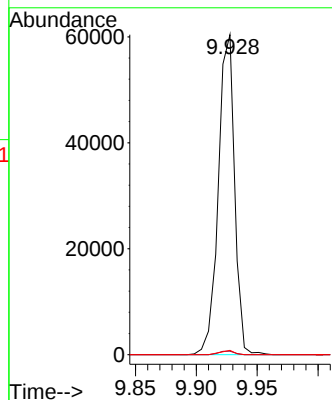
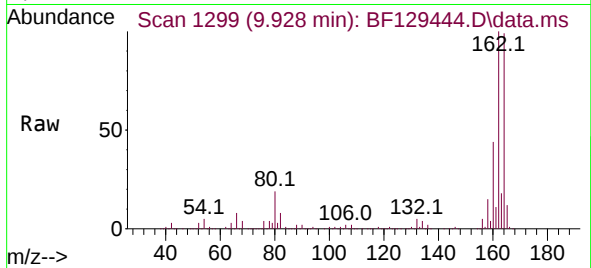




#51  
2,6-Dinitrotoluene  
Concen: 8.382 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. 0.212 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

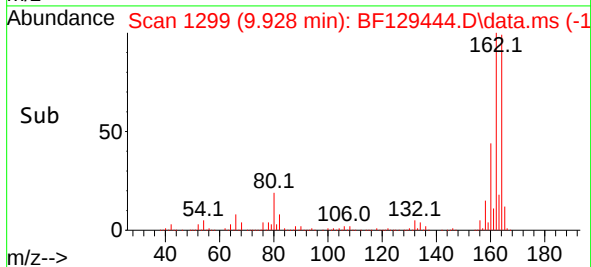
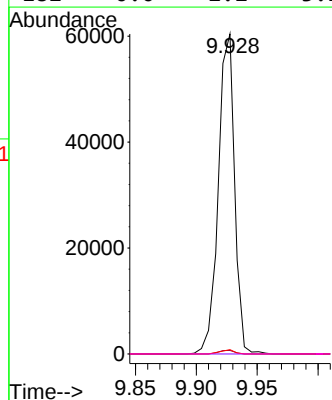
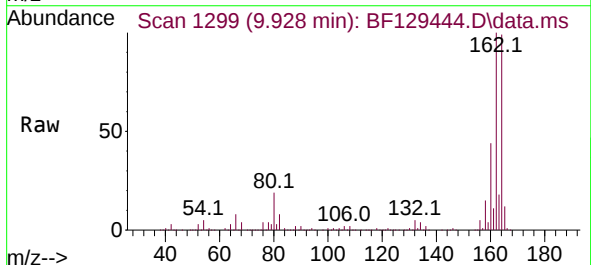
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PB146544TB

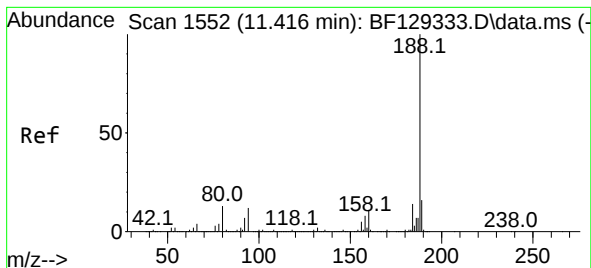
Tgt Ion:165 Resp: 56405  
Ion Ratio Lower Upper  
165 100  
63 1.1 44.9 67.3#  
89 1.3 43.6 65.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.416 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.194 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion:165 Resp: 56405  
Ion Ratio Lower Upper  
165 100  
63 1.1 39.8 59.6#  
89 1.3 60.2 90.2#  
182 0.0 2.2 3.2#

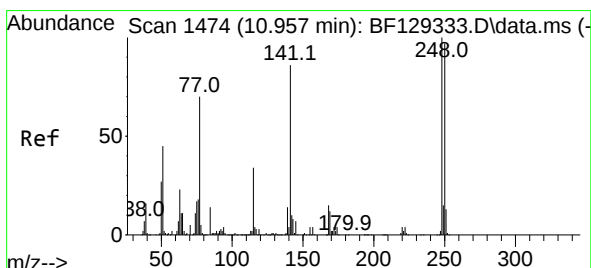
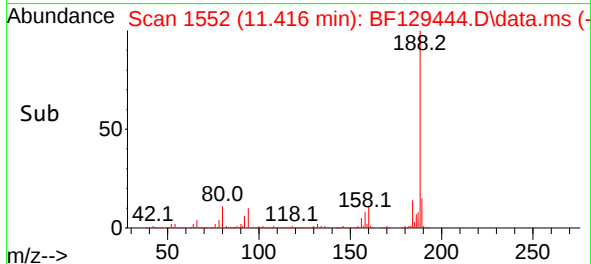
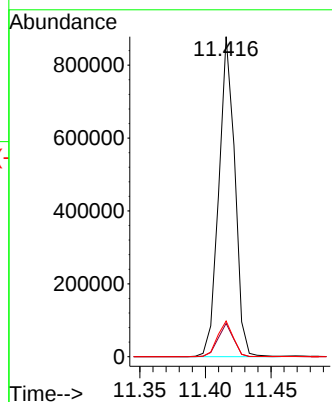
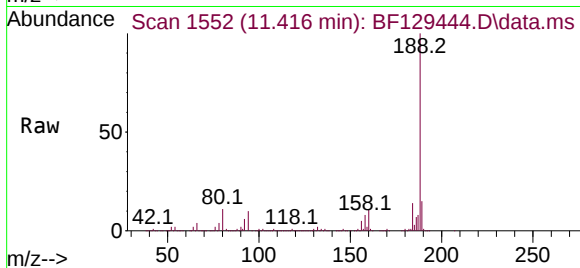




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

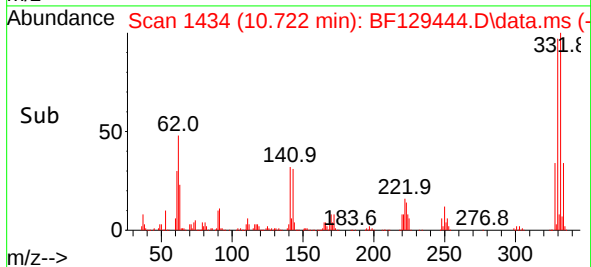
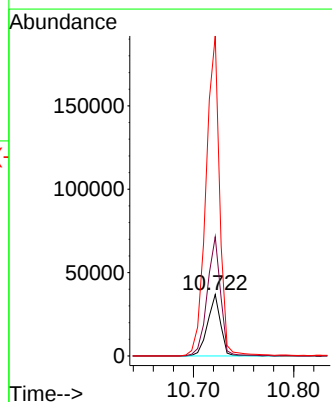
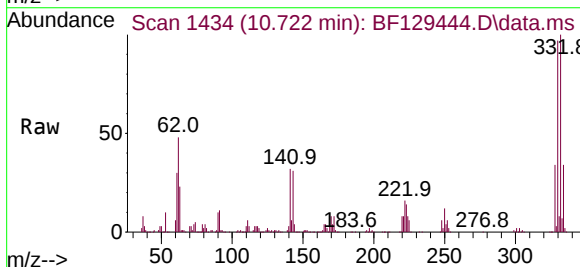
Instrument :  
BNA\_F  
ClientSampleId :  
PB146544TB

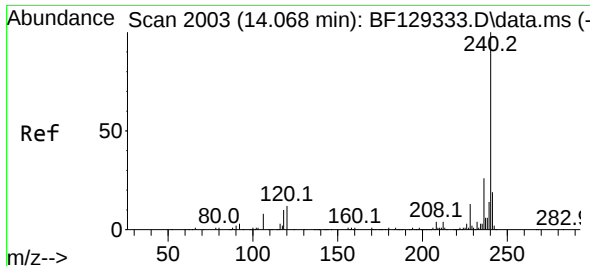
Tgt Ion:188 Resp: 744436  
Ion Ratio Lower Upper  
188 100  
94 10.4 7.0 10.6  
80 11.2 7.6 11.4



#67  
4-Bromophenyl-phenylether  
Concen: 4.068 ng  
RT: 10.722 min Scan# 1434  
Delta R.T. -0.235 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion:248 Resp: 33163  
Ion Ratio Lower Upper  
248 100  
250 194.1 80.6 120.8#  
141 520.9 58.9 88.3#

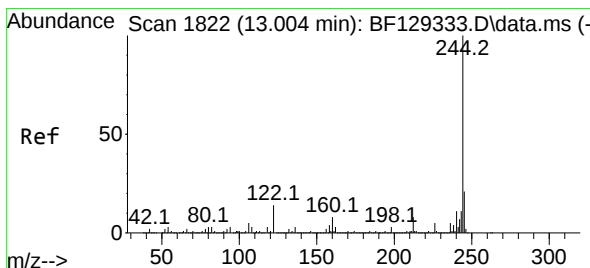
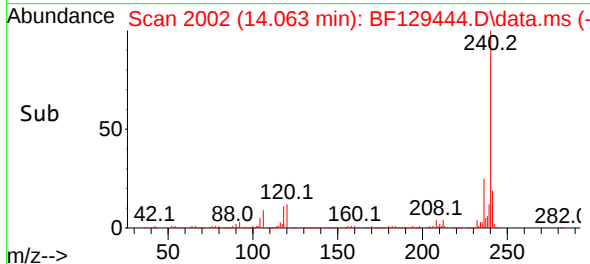
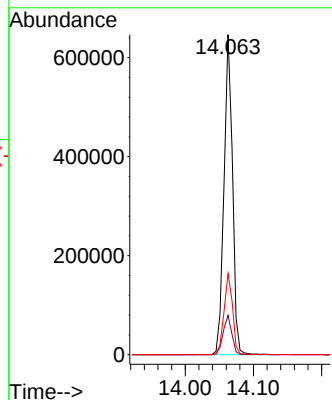
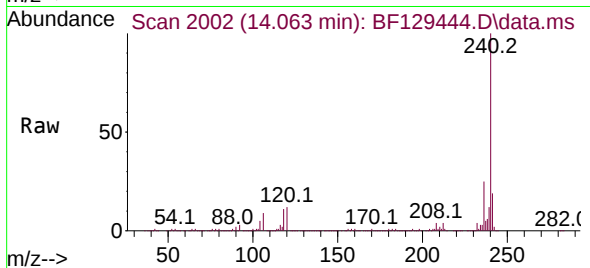




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2003  
Delta R.T. -0.006 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

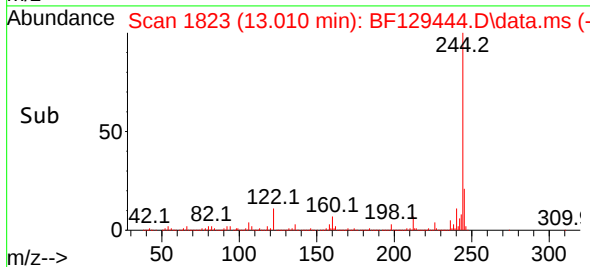
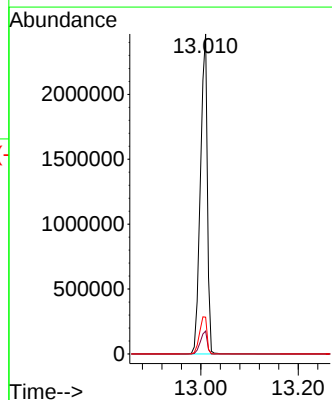
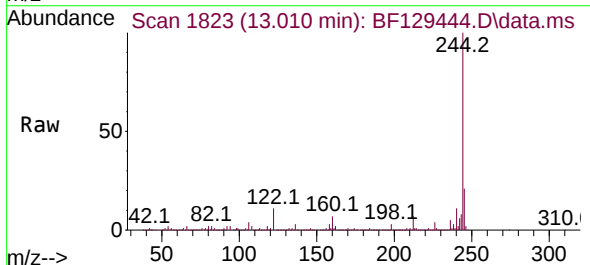
Instrument :  
BNA\_F  
ClientSampleId :  
PB146544TB

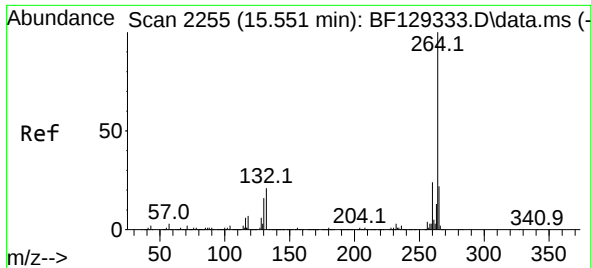
Tgt Ion:240 Resp: 563683  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.9 13.3  
236 25.3 20.8 31.2



#79  
Terphenyl-d14  
Concen: 81.875 ng  
RT: 13.010 min Scan# 1823  
Delta R.T. 0.006 min  
Lab File: BF129444.D  
Acq: 29 Jul 2022 16:21

Tgt Ion:244 Resp: 2446320  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.1 9.1  
122 11.5 8.8 13.2





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.557 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF129444.D  
 Acq: 29 Jul 2022 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146544TB

Tgt Ion:264 Resp: 471229  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.4 27.6  
 265 21.4 17.2 25.8

