

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121020\  
 Data File : BF122644.D  
 Acq On : 10 Dec 2020 12:53  
 Operator : JU/CG  
 Sample : PB133503TB  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133511BS

Quant Time: Dec 10 14:17:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:08:49 2020  
 Response via : Initial Calibration

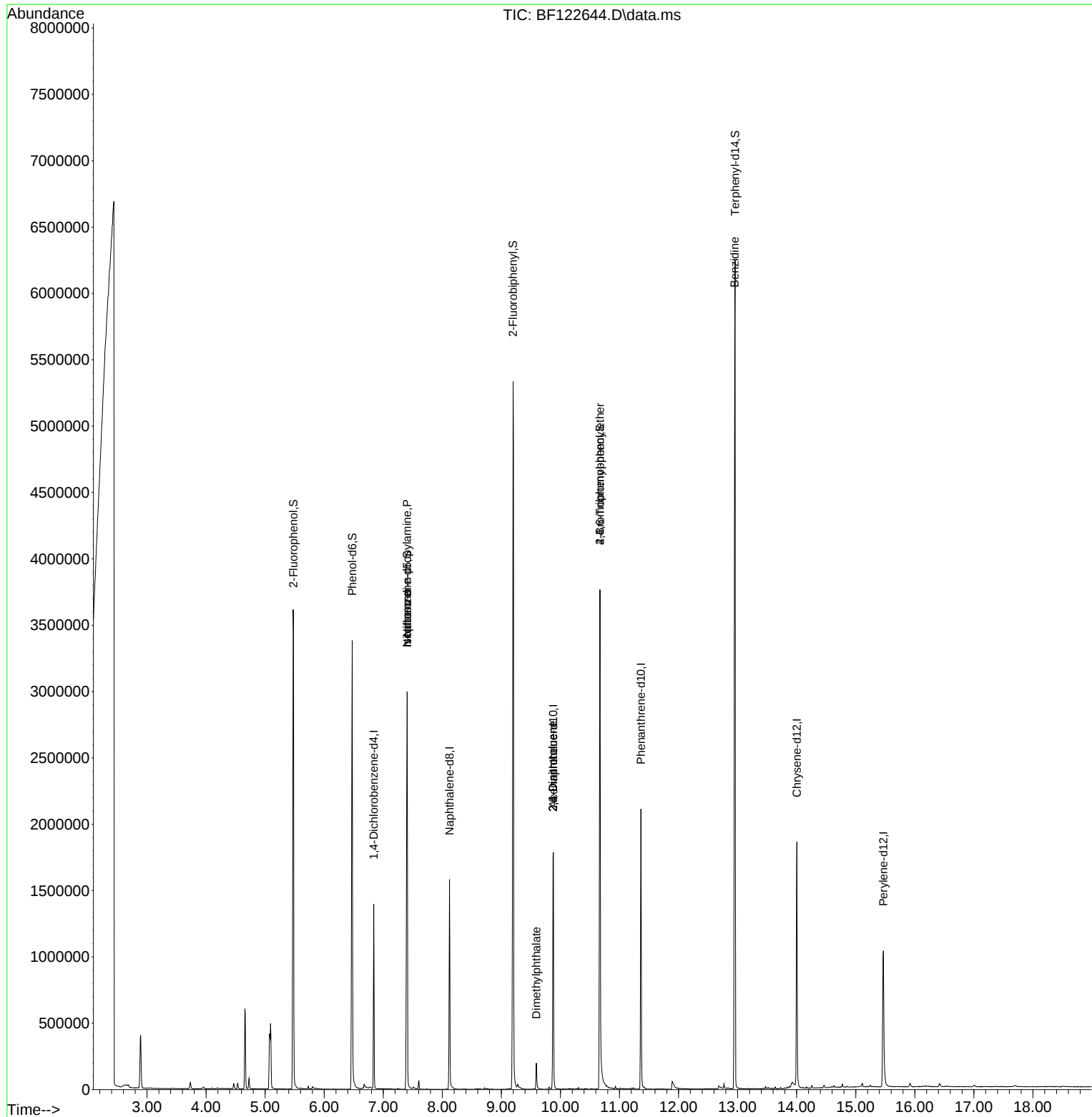
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min)       |
|-------------------------------|--------|------|----------|--------|-------|----------------|
| -----                         |        |      |          |        |       |                |
| Internal Standards            |        |      |          |        |       |                |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 188137   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8            | 8.122  | 136  | 756346   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10          | 9.880  | 164  | 421349   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10          | 11.363 | 188  | 794742   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12              | 14.004 | 240  | 687470   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12              | 15.468 | 264  | 593222   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds   |        |      |          |        |       |                |
| 5) 2-Fluorophenol             | 5.481  | 112  | 1217784  | 102.48 | ng    | 0.02           |
| 7) Phenol-d6                  | 6.475  | 99   | 1353261  | 85.86  | ng    | 0.00           |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 1130102  | 74.86  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 625105   | 113.34 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 2005034  | 64.36  | ng    | 0.00           |
| 79) Terphenyl-d14             | 12.957 | 244  | 2410224  | 61.37  | ng    | 0.00           |
| Target Compounds              |        |      |          |        |       |                |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 150830   | 16.71  | ng    | Qvalue<br># 77 |
| 25) Isophorone                | 7.404  | 82   | 1122801  | 43.18  | ng    | # 65           |
| 50) Dimethylphthalate         | 9.592  | 163  | 97176    | 2.89   | ng    | 100            |
| 51) 2,6-Dinitrotoluene        | 9.874  | 165  | 54183    | 7.62   | ng    | # 31           |
| 57) 2,4-Dinitrotoluene        | 9.874  | 165  | 54183    | 5.72   | ng    | # 25           |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 38127    | 3.54   | ng    | # 1            |
| 77) Benzidine                 | 12.951 | 184  | 30921    | 2.08   | ng    | 94             |
| -----                         |        |      |          |        |       |                |

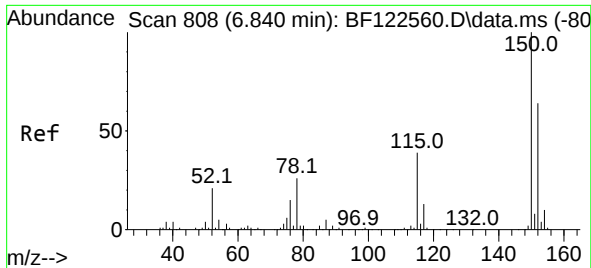
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121020\  
Data File : BF122644.D  
Acq On : 10 Dec 2020 12:53  
Operator : JU/CG  
Sample : PB133503TB  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

Quant Time: Dec 10 14:17:14 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 07 12:08:49 2020  
Response via : Initial Calibration

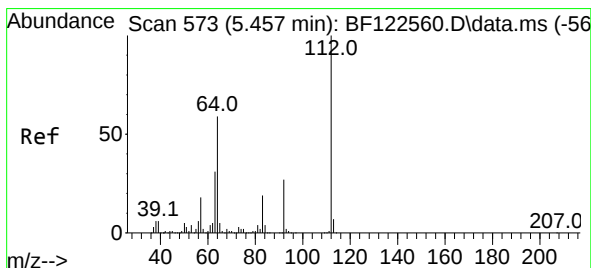
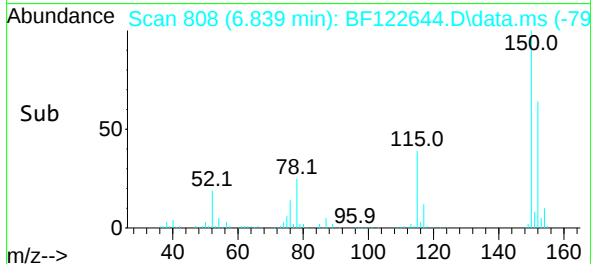
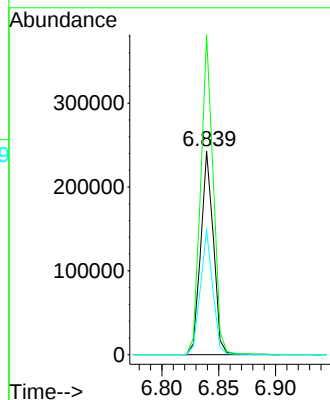
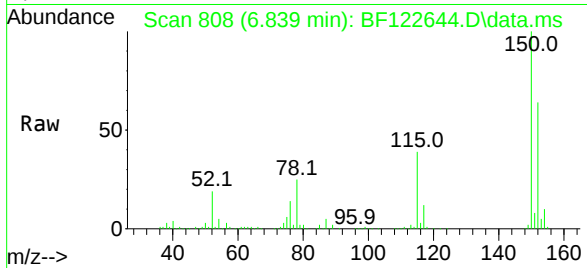




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.839 min Scan# 808  
Delta R.T. -0.001 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

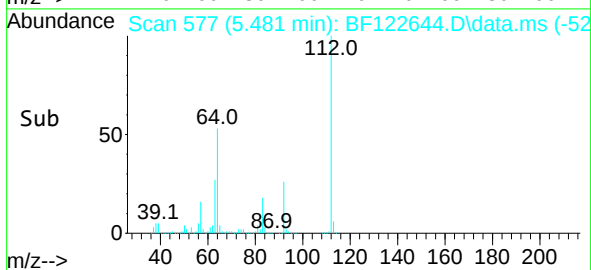
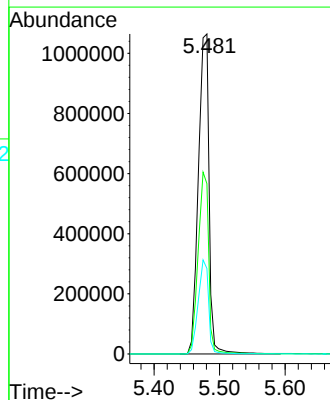
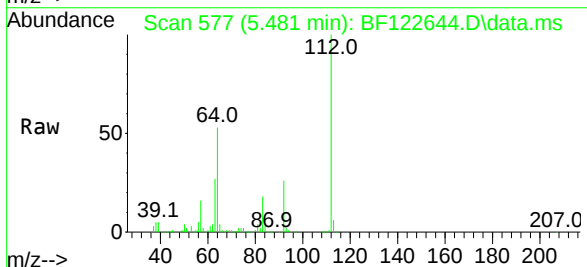
Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

Tgt Ion:152 Resp: 188137  
Ion Ratio Lower Upper  
152 100  
150 157.3 125.8 188.6  
115 61.3 49.3 73.9



#5  
2-Fluorophenol  
Concen: 102.48 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.023 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Tgt Ion:112 Resp: 1217784  
Ion Ratio Lower Upper  
112 100  
64 53.2 46.9 70.3  
63 26.7 24.5 36.7



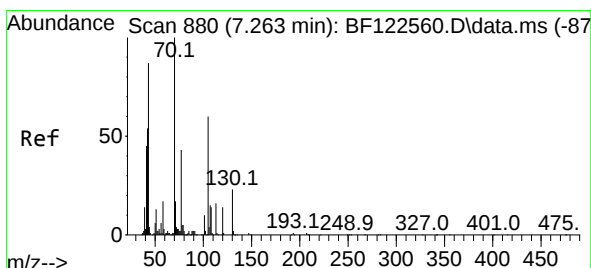
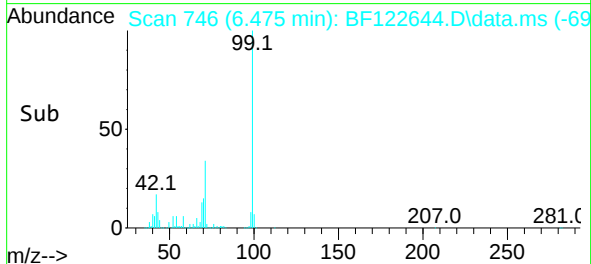
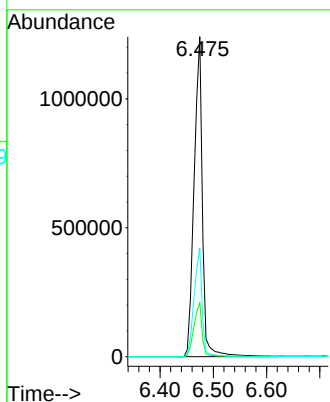
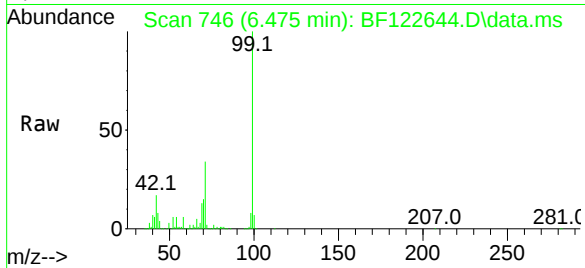


#7  
Phenol-d6  
Concen: 85.86 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

Tgt Ion: 99 Resp: 1353261

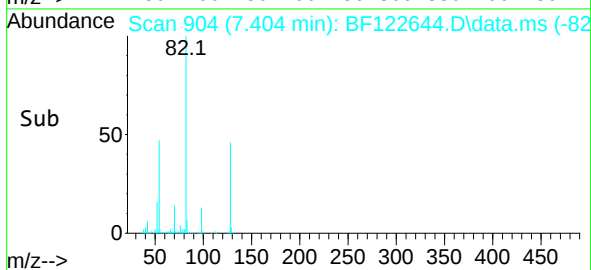
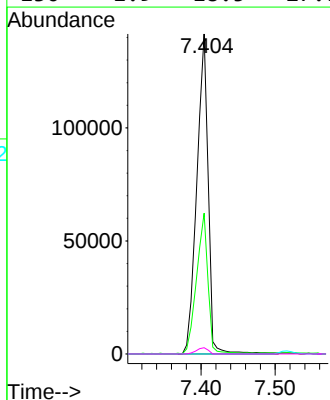
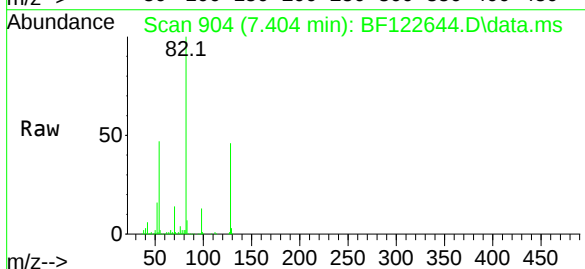
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.8  | 13.8  | 20.6  |
| 71  | 33.9  | 26.9  | 40.3  |



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.71 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.141 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Tgt Ion: 70 Resp: 150830

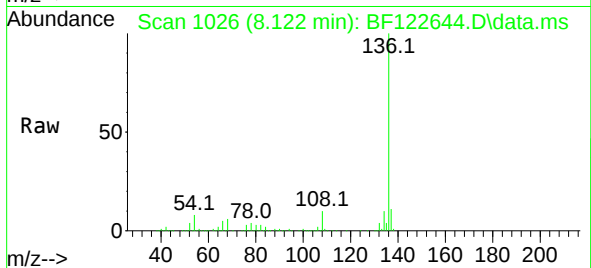
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 44.0  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 1.9   | 18.5  | 27.7# |





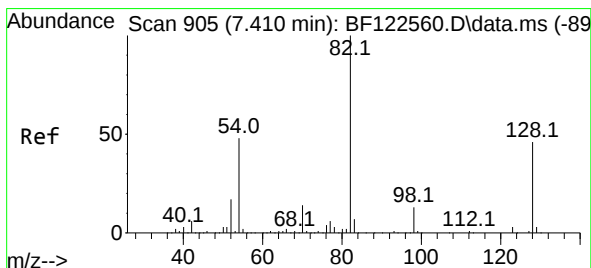
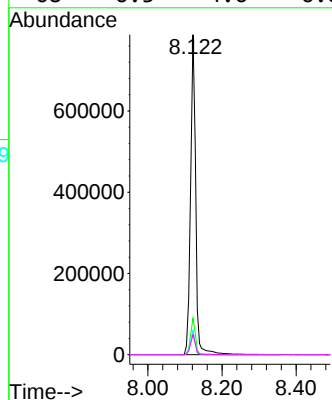
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

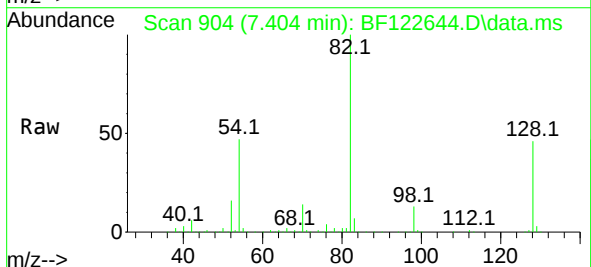


Tgt Ion:136 Resp: 756346

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.5  | 8.8   | 13.2  |
| 54  | 7.6   | 5.5   | 8.3   |
| 68  | 6.3   | 4.6   | 6.8   |

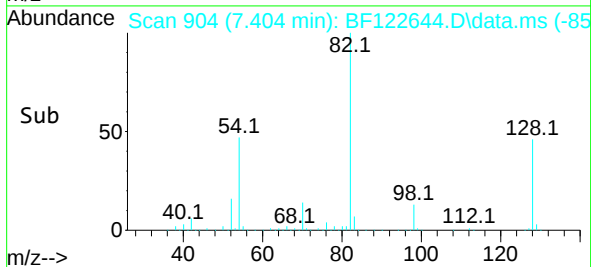
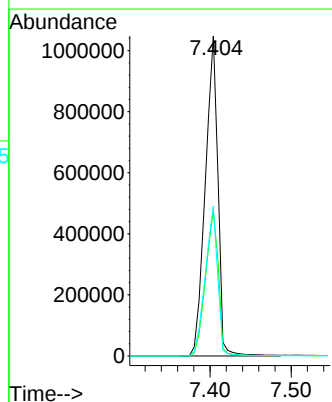


#23  
Nitrobenzene-d5  
Concen: 74.86 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53



Tgt Ion: 82 Resp: 1130102

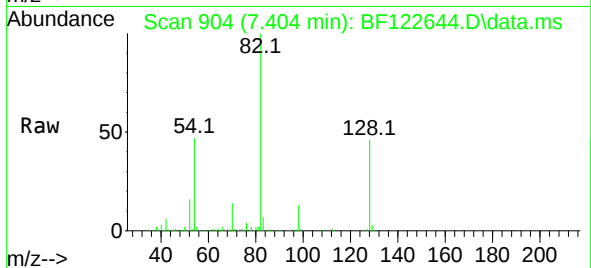
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.6  | 37.0  | 55.4  |
| 54  | 46.8  | 38.4  | 57.6  |



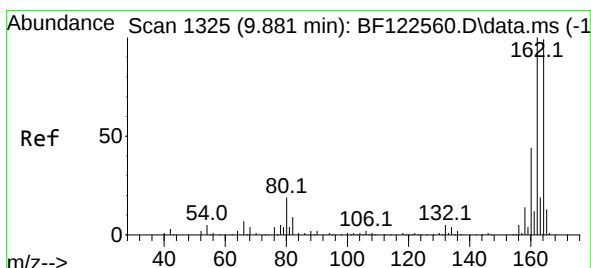
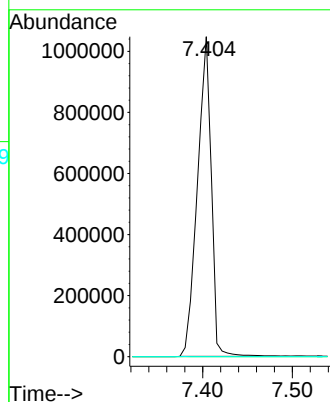
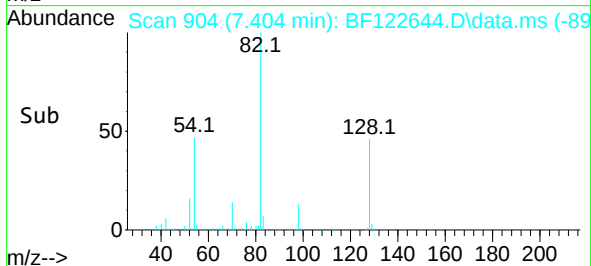


#25  
Isophorone  
Concen: 43.18 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.265 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

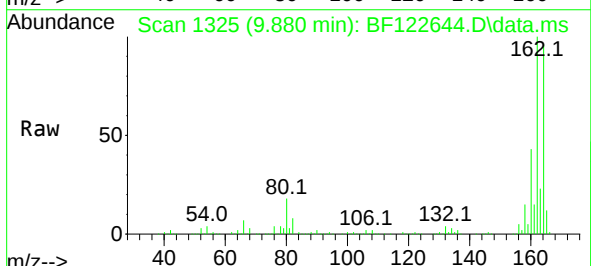
Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS



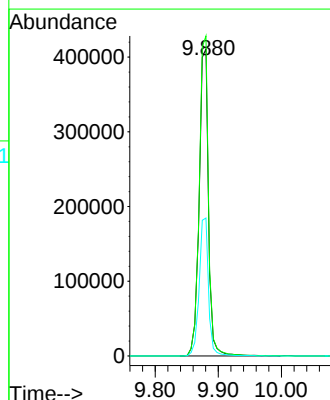
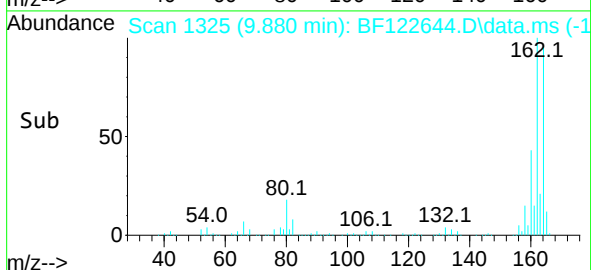
Tgt Ion: 82 Resp: 1122801  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#

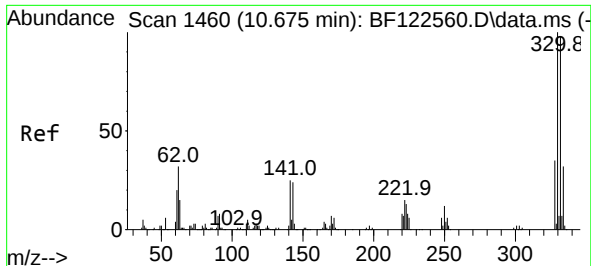


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.001 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53



Tgt Ion: 164 Resp: 421349  
Ion Ratio Lower Upper  
164 100  
162 104.2 80.8 121.2  
160 44.9 35.4 53.0

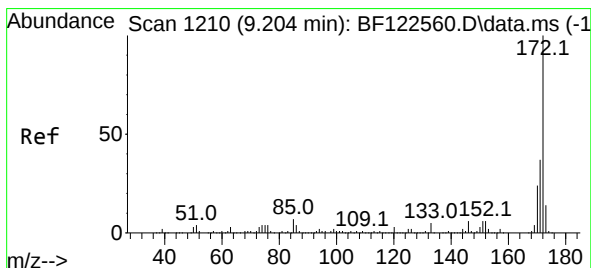
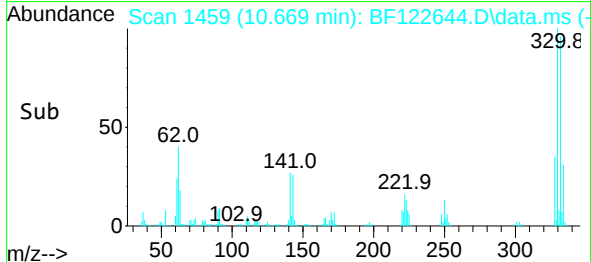
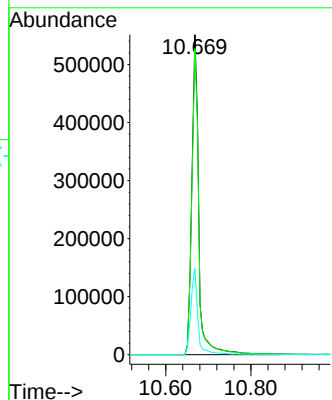
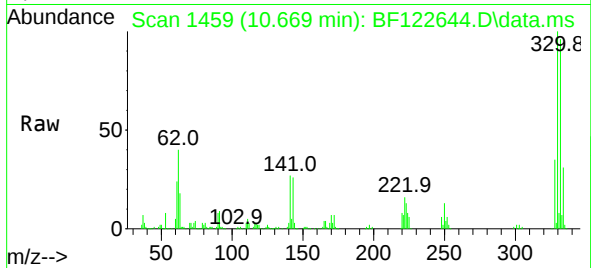




#42  
2,4,6-Tribromophenol  
Concen: 113.34 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

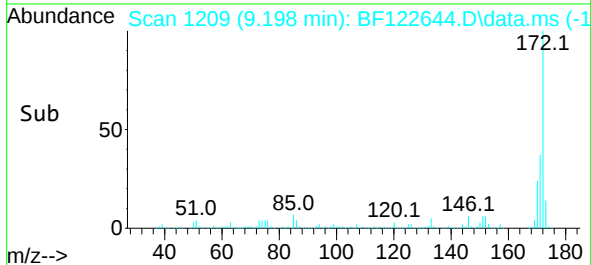
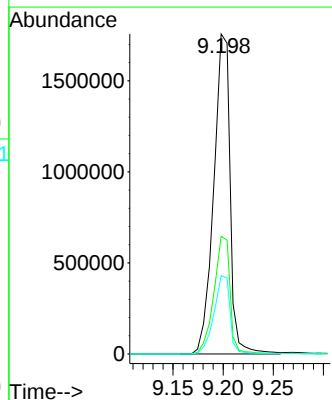
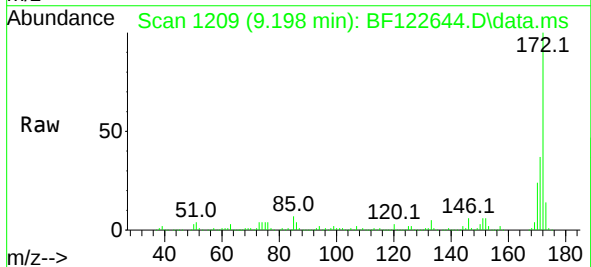
Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

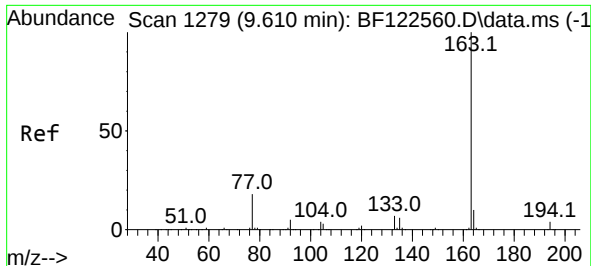
Tgt Ion: 330 Resp: 625105  
Ion Ratio Lower Upper  
330 100  
332 97.2 77.5 116.3  
141 27.2 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 64.36 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Tgt Ion: 172 Resp: 2005034  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.6 44.4  
170 24.5 19.5 29.3

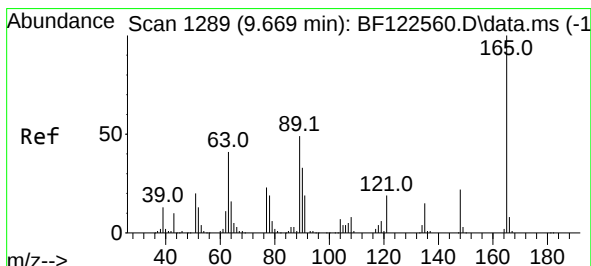
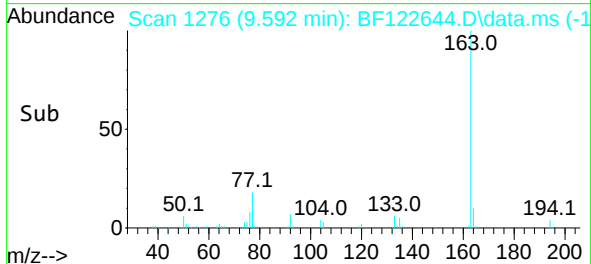
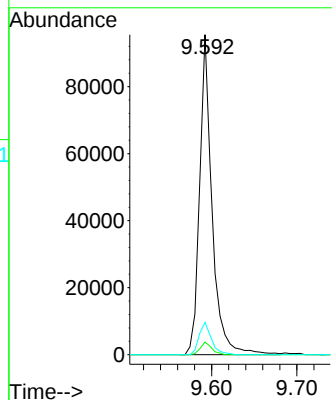
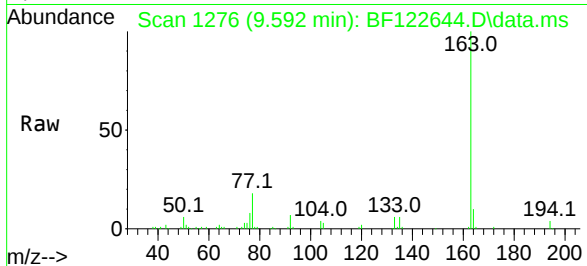




#50  
Dimethylphthalate  
Concen: 2.89 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. -0.018 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

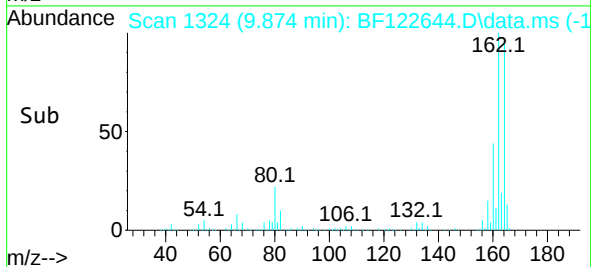
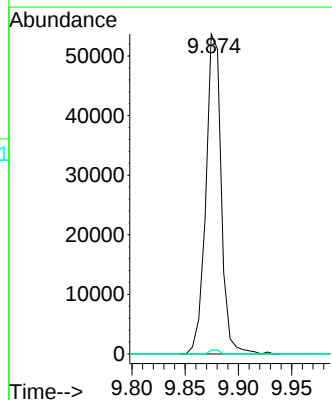
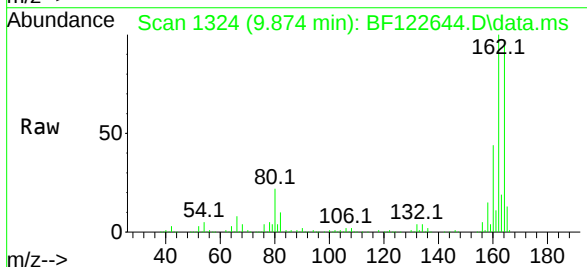
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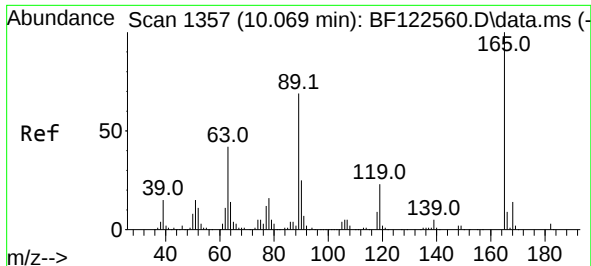
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Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 10.1 8.1 12.1



#51  
2,6-Dinitrotoluene  
Concen: 7.62 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. 0.206 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

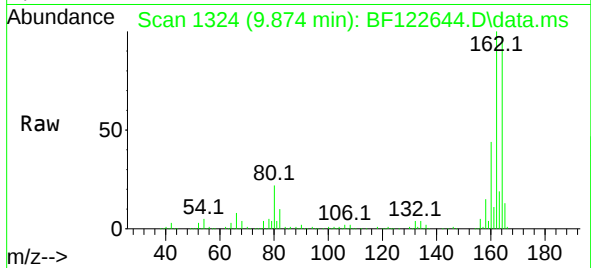
Tgt Ion:165 Resp: 54183  
Ion Ratio Lower Upper  
165 100  
63 1.2 36.6 55.0#  
89 1.2 39.4 59.0#



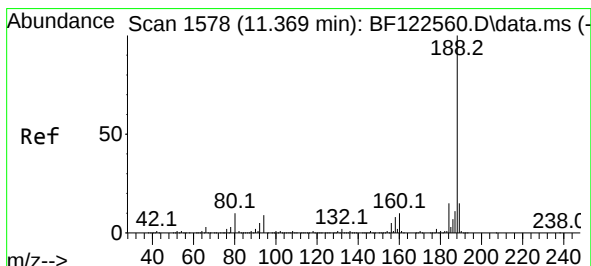
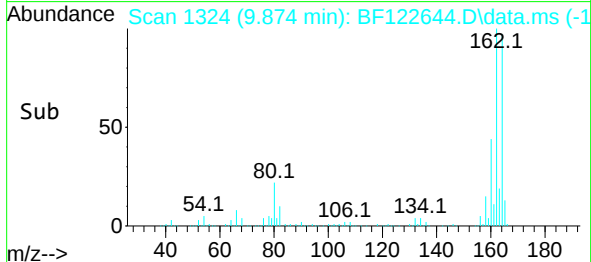
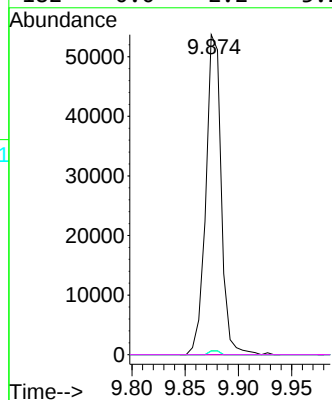


#57  
2,4-Dinitrotoluene  
Concen: 5.72 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. -0.194 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

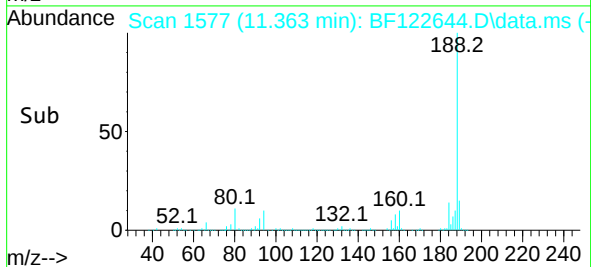
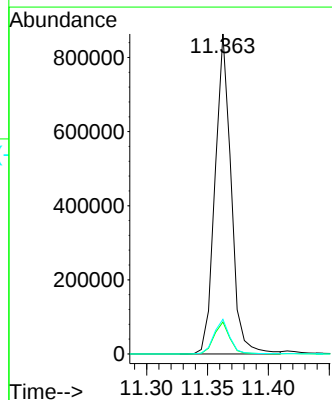
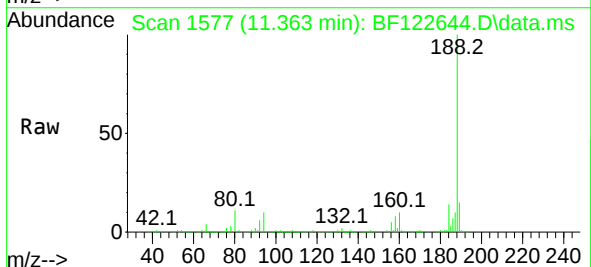


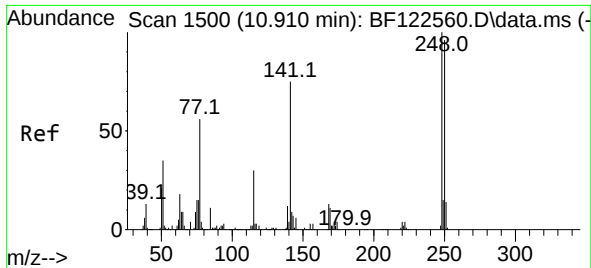
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Ion Ratio Lower Upper  
165 100  
63 1.2 34.3 51.5#  
89 1.2 55.2 82.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Tgt Ion:188 Resp: 794742  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.2  
80 10.8 8.2 12.4

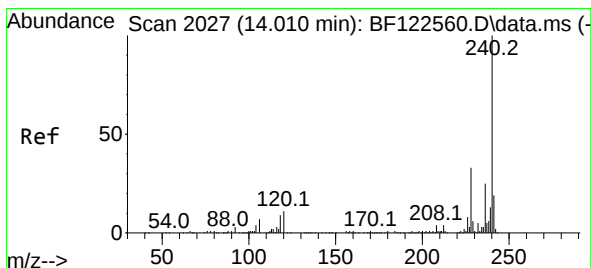
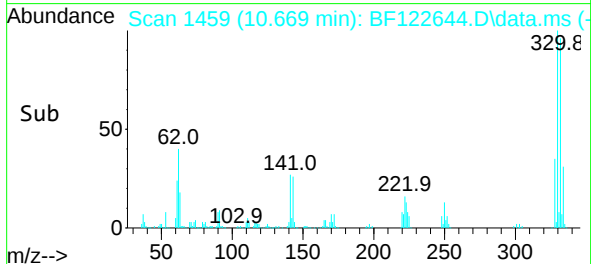
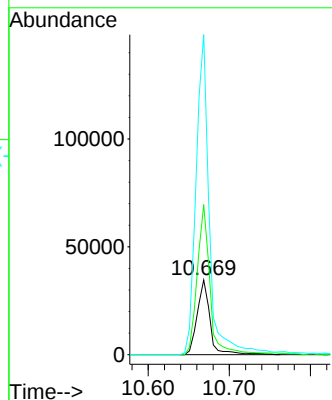
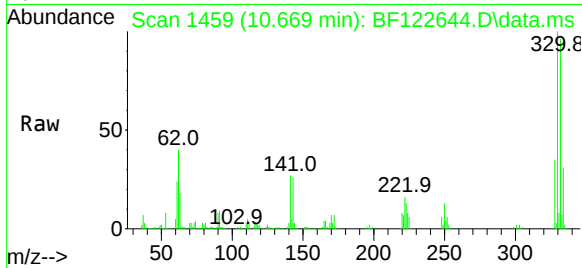




#67  
4-Bromophenyl-phenylether  
Concen: 3.54 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.241 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

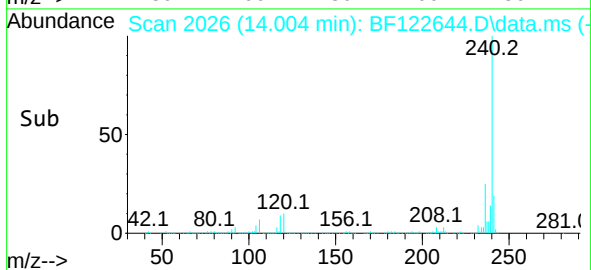
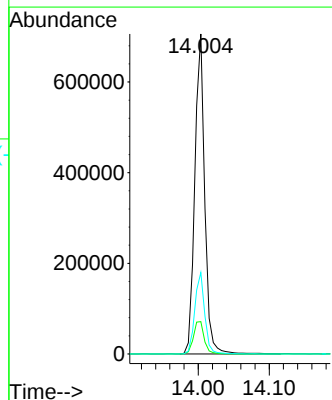
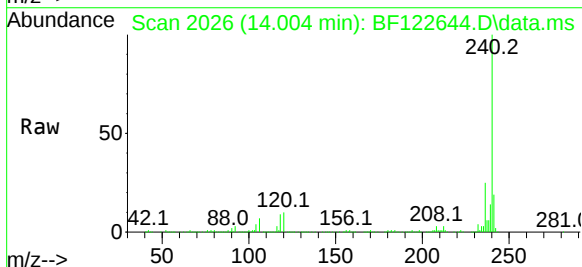
Instrument :  
BNA\_F  
ClientSampleId :  
PB133511BS

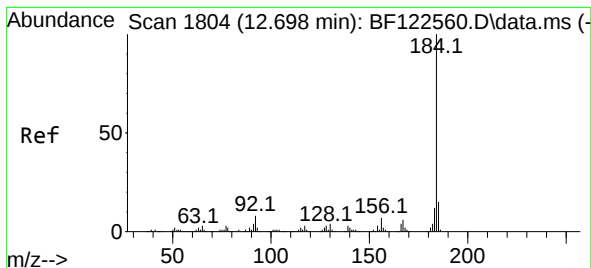
Tgt Ion:248 Resp: 38127  
Ion Ratio Lower Upper  
248 100  
250 201.0 76.8 115.2#  
141 428.7 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF122644.D  
Acq: 10 Dec 2020 12:53

Tgt Ion:240 Resp: 687470  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.6 12.8  
236 25.5 20.3 30.5





#77

Benzidine

Concen: 2.08 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF122644.D

Acq: 10 Dec 2020 12:53

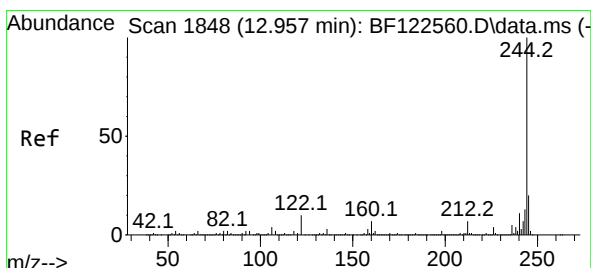
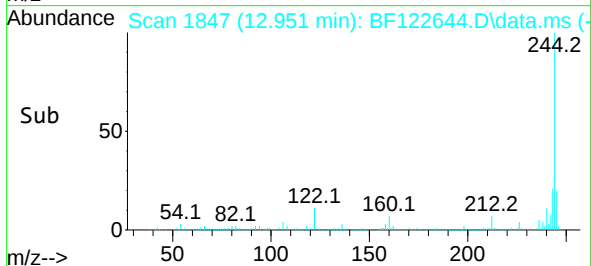
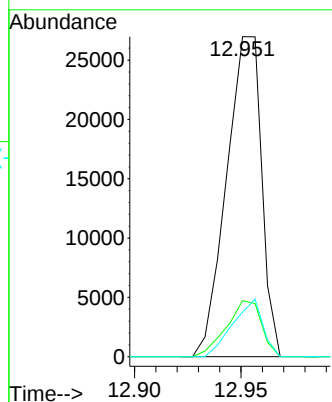
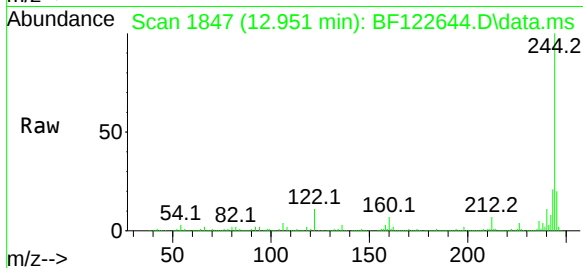
Tgt Ion:184 Resp: 30921

Ion Ratio Lower Upper

184 100

185 17.5 11.8 17.6

183 14.0 9.7 14.5



#79

Terphenyl-d14

Concen: 61.37 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.000 min

Lab File: BF122644.D

Acq: 10 Dec 2020 12:53

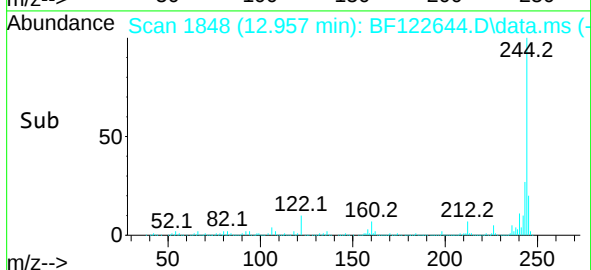
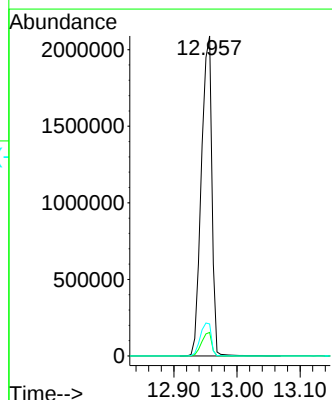
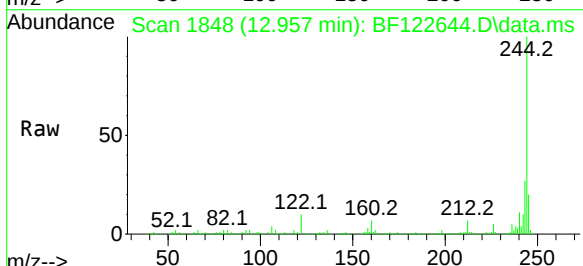
Tgt Ion:244 Resp: 2410224

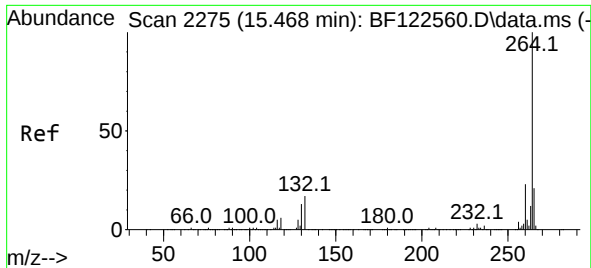
Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 10.0 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.468 min Scan# 2275  
 Delta R.T. -0.000 min  
 Lab File: BF122644.D  
 Acq: 10 Dec 2020 12:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133511BS

Tgt Ion:264 Resp: 593222  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.6 28.0  
 265 21.3 17.0 25.6

