

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081921\  
 Data File : BF125123.D  
 Acq On : 19 Aug 2021 19:58  
 Operator : JU/CG  
 Sample : M3430-02  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-2

Quant Time: Aug 20 02:53:27 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 18 17:03:50 2021  
 Response via : Initial Calibration

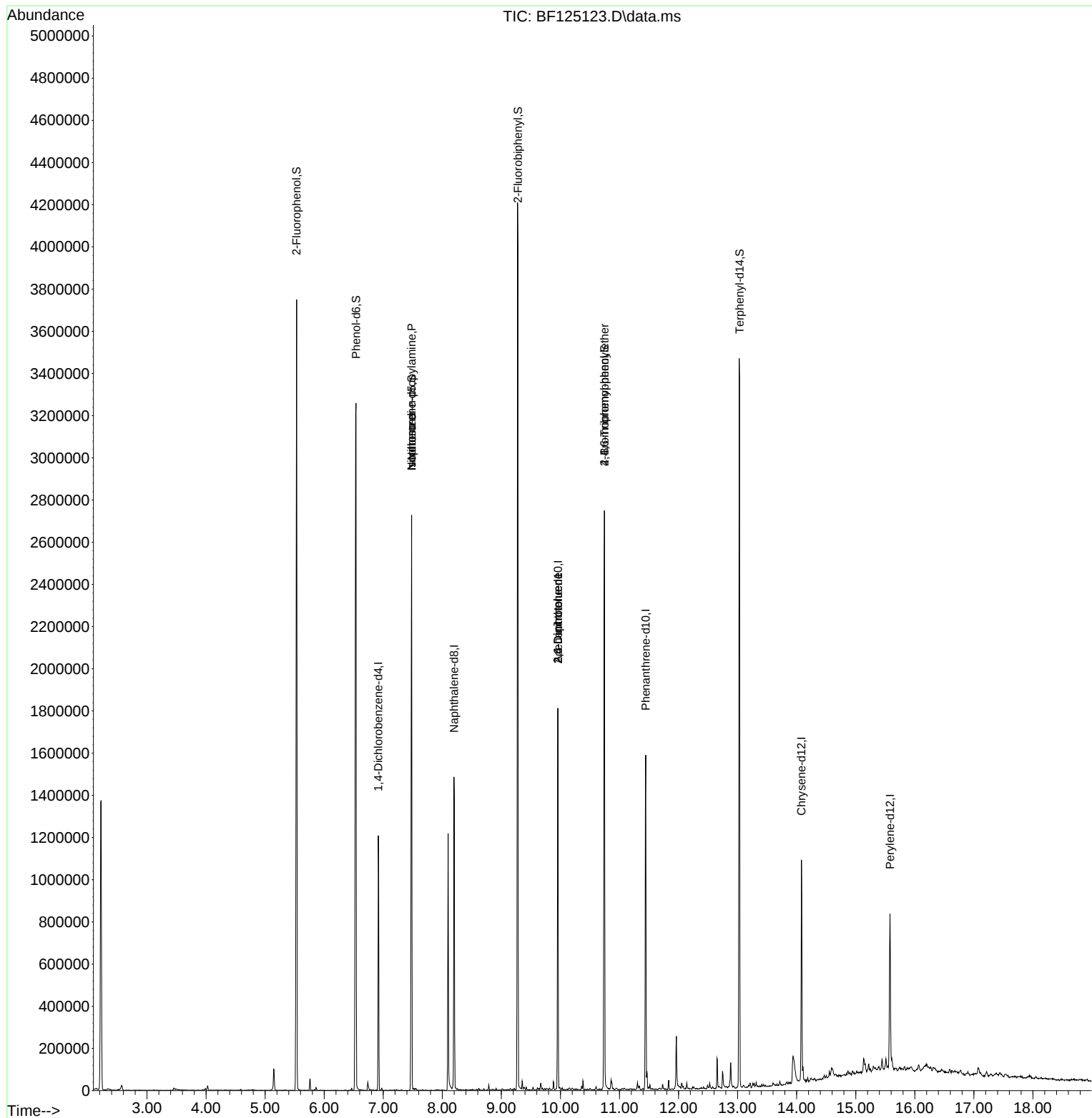
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.916  | 152  | 164394   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.198  | 136  | 633802   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.957  | 164  | 323052   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.445 | 188  | 557076   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.080 | 240  | 344249   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.580 | 264  | 335783   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 945957   | 87.096  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.539  | 99   | 1231229  | 87.651  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 802551   | 63.748  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 327857   | 101.668 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.280  | 172  | 1374218  | 59.287  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 1295135  | 59.935  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.481  | 70   | 111192   | 13.160  | ng    | # 58     |
| 25) Isophorone                | 7.481  | 82   | 802540   | 33.045  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.957  | 165  | 42786    | 8.814   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 42786    | 7.282   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.745 | 248  | 20760    | 3.103   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

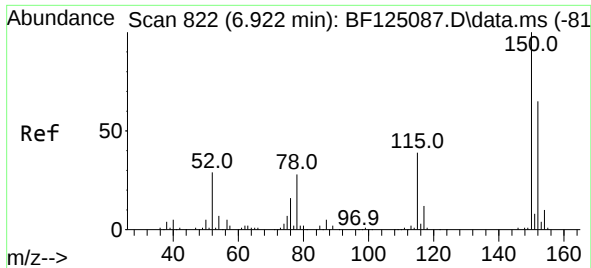
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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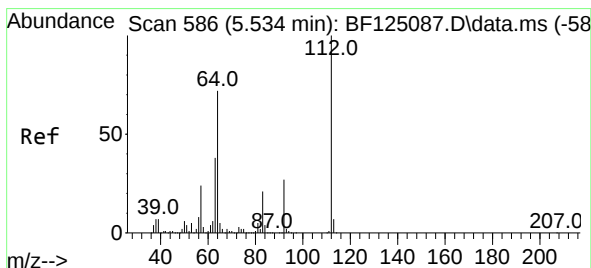
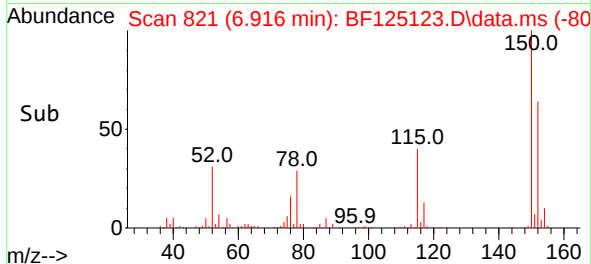
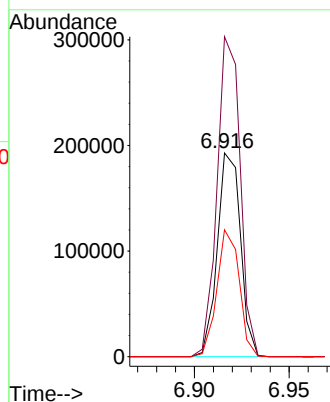
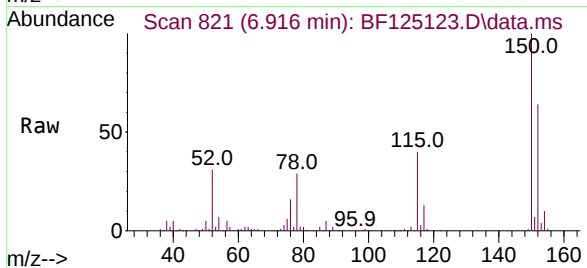




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.916 min Scan# 821  
Delta R.T. -0.006 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

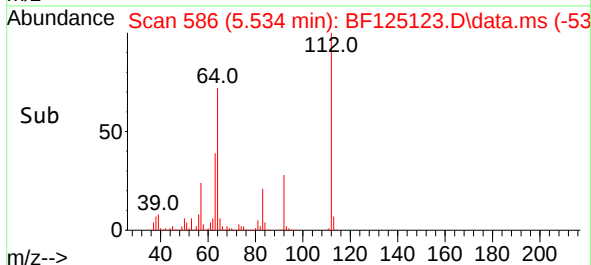
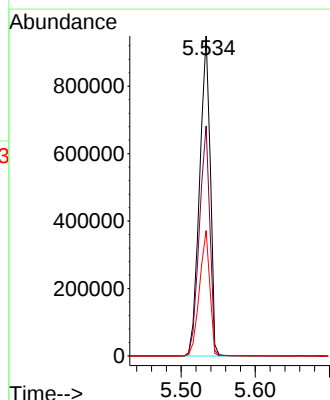
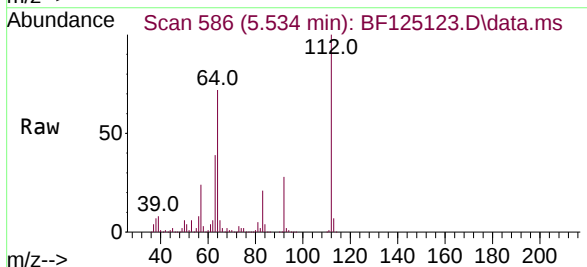
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

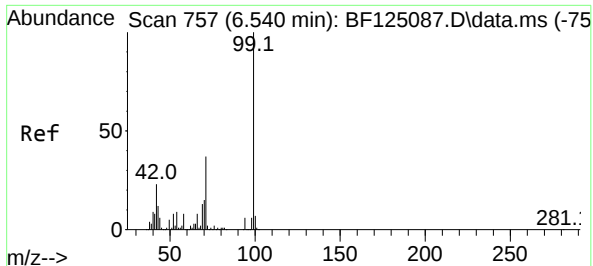
Tgt Ion:152 Resp: 164394  
Ion Ratio Lower Upper  
152 100  
150 157.0 117.6 176.4  
115 62.3 47.1 70.7



#5  
2-Fluorophenol  
Concen: 87.096 ng  
RT: 5.534 min Scan# 586  
Delta R.T. -0.000 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Tgt Ion:112 Resp: 945957  
Ion Ratio Lower Upper  
112 100  
64 71.9 44.2 66.2#  
63 39.2 26.2 39.2

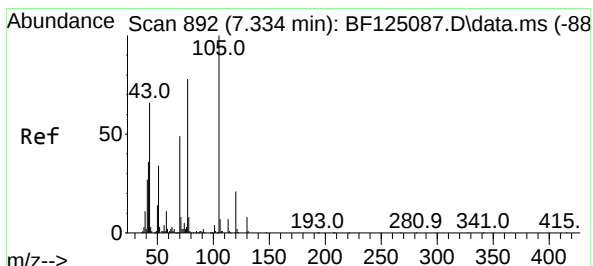
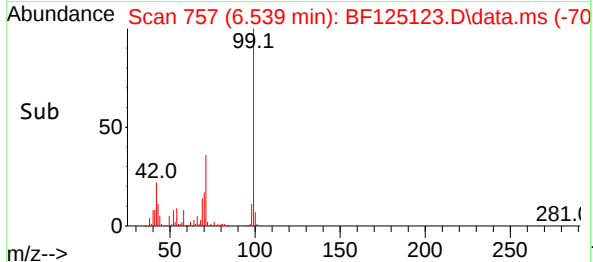
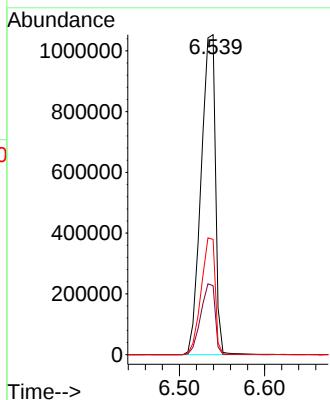
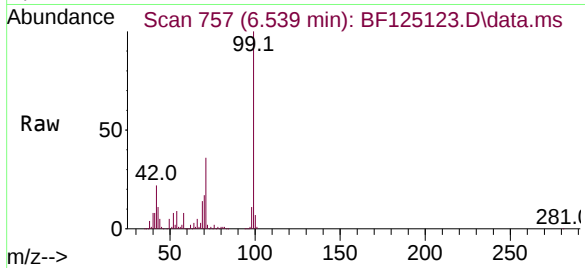




#7  
Phenol-d6  
Concen: 87.651 ng  
RT: 6.539 min Scan# 757  
Delta R.T. -0.000 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

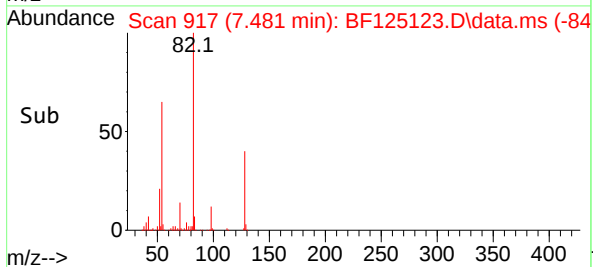
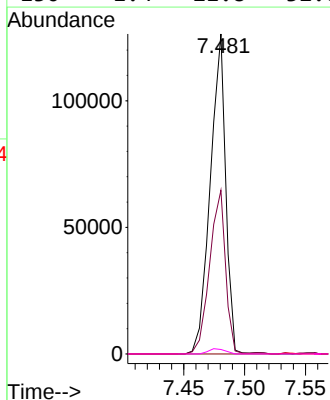
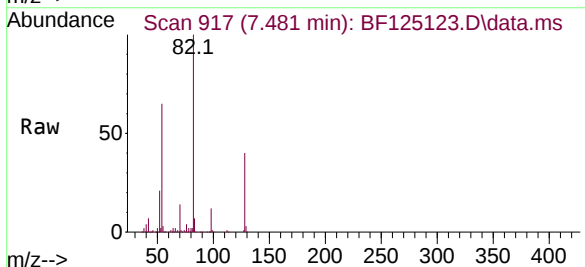
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

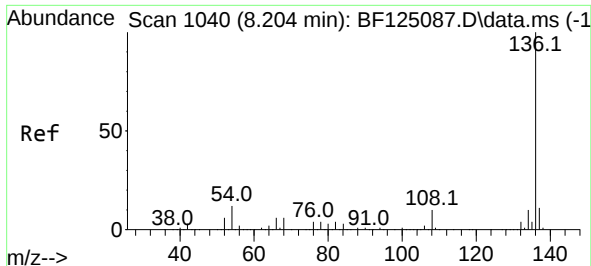
Tgt Ion: 99 Resp: 1231229  
Ion Ratio Lower Upper  
99 100  
42 21.5 23.5 35.3#  
71 36.0 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.160 ng  
RT: 7.481 min Scan# 917  
Delta R.T. 0.147 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Tgt Ion: 70 Resp: 111192  
Ion Ratio Lower Upper  
70 100  
42 51.2 72.2 108.2#  
101 0.0 7.8 11.8#  
130 1.4 21.8 32.6#

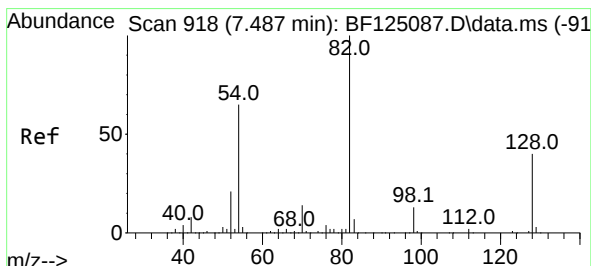
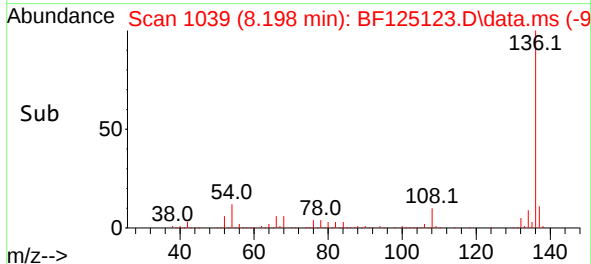
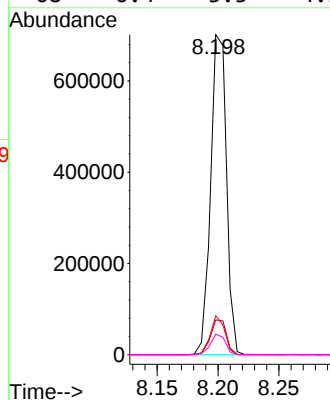
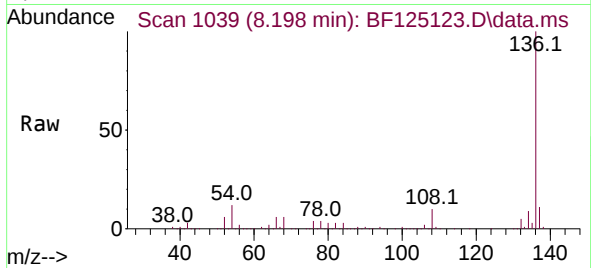




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

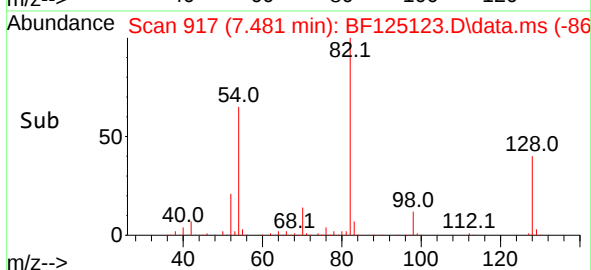
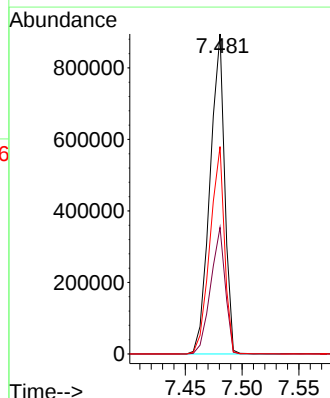
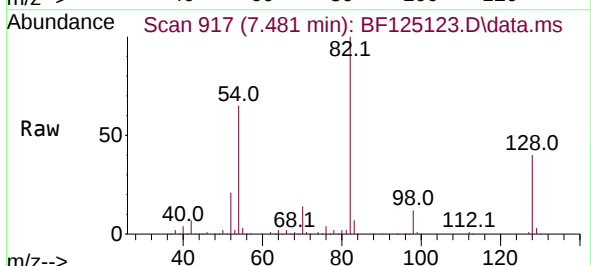
Instrument :  
BNA\_F  
ClientSampled :  
PE-2

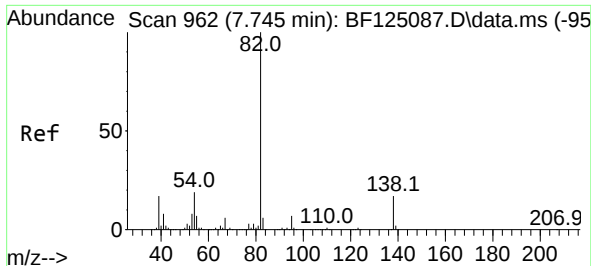
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 633802 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 9.8 14.6     |
| 54 12.2     | 6.4 9.6#     |
| 68 6.4      | 3.3 4.9#     |



#23  
Nitrobenzene-d5  
Concen: 63.748 ng  
RT: 7.481 min Scan# 917  
Delta R.T. -0.006 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 802551 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 39.5    | 40.6 60.8#   |
| 54 64.8     | 49.6 74.4    |

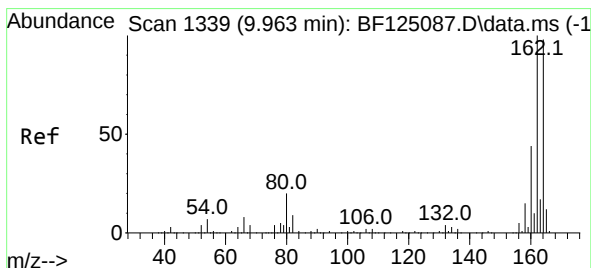
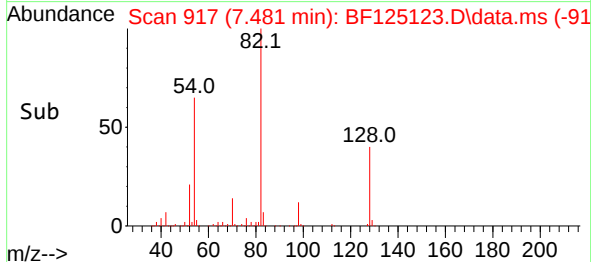
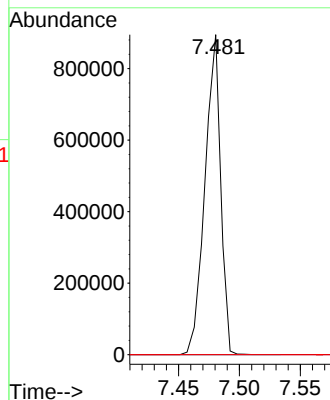
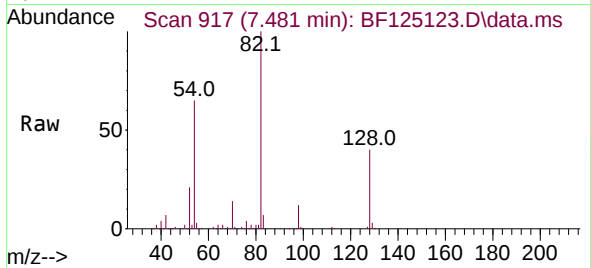




#25  
Isophorone  
Concen: 33.045 ng  
RT: 7.481 min Scan# 917  
Delta R.T. -0.265 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

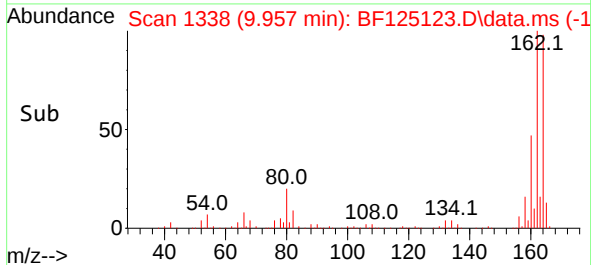
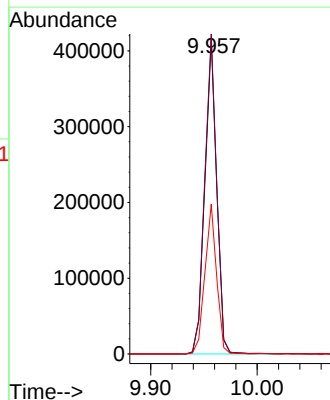
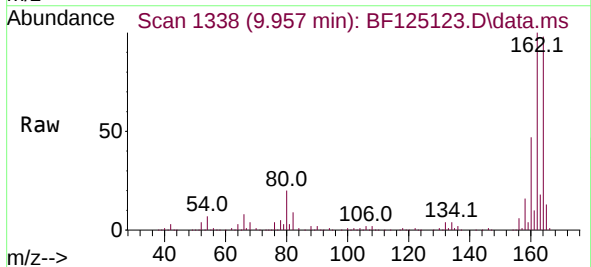
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

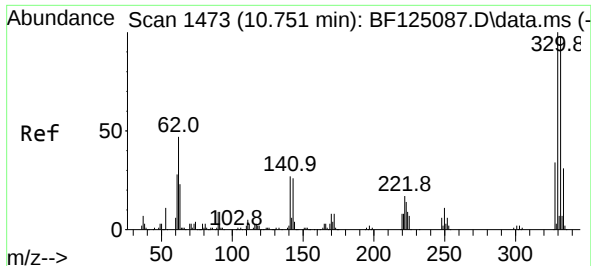
Tgt Ion: 82 Resp: 802540  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.006 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Tgt Ion: 164 Resp: 323052  
Ion Ratio Lower Upper  
164 100  
162 101.7 81.3 121.9  
160 47.6 38.0 57.0

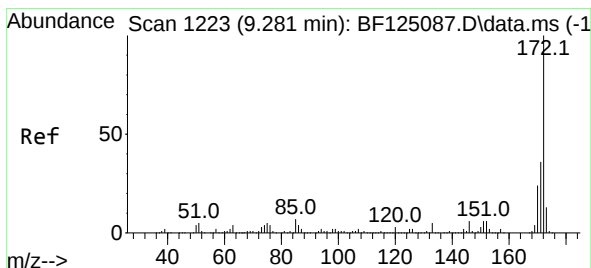
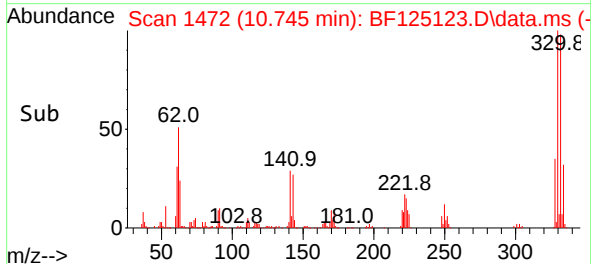
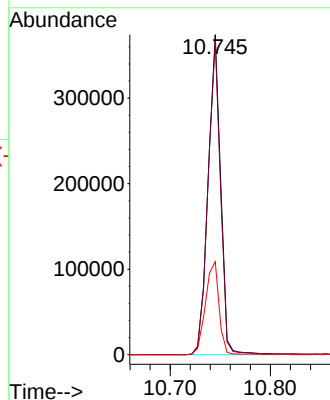
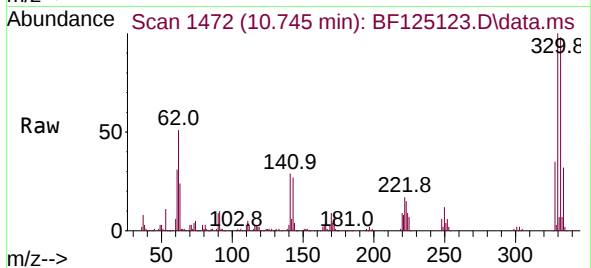




#42  
2,4,6-Tribromophenol  
Concen: 101.668 ng  
RT: 10.745 min Scan# 1472  
Delta R.T. -0.006 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

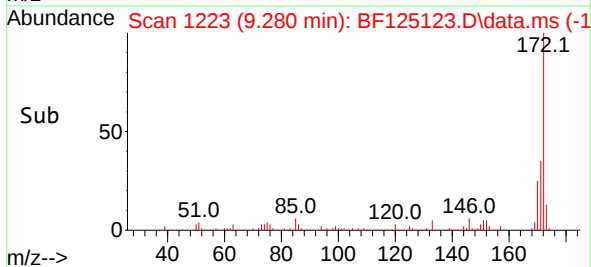
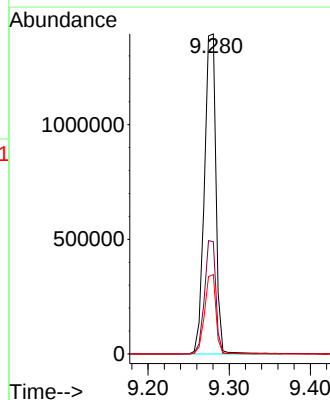
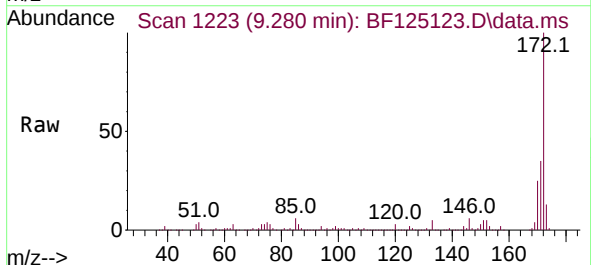
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

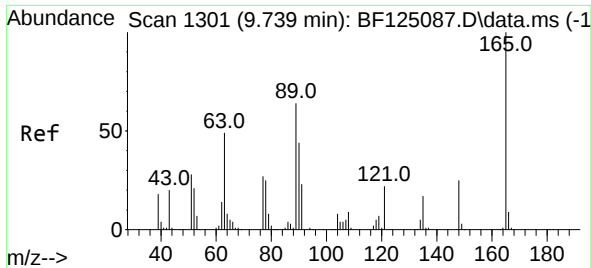
Tgt Ion: 330 Resp: 327857  
Ion Ratio Lower Upper  
330 100  
332 97.9 76.2 114.4  
141 31.5 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 59.287 ng  
RT: 9.280 min Scan# 1223  
Delta R.T. -0.000 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Tgt Ion: 172 Resp: 1374218  
Ion Ratio Lower Upper  
172 100  
171 35.1 26.5 39.7  
170 24.8 18.8 28.2

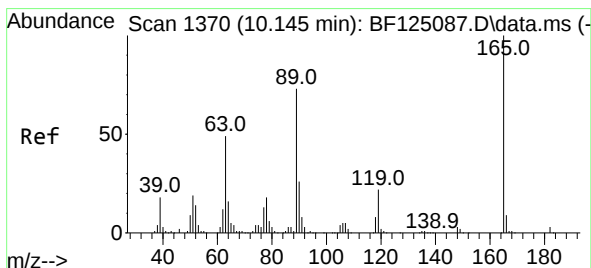
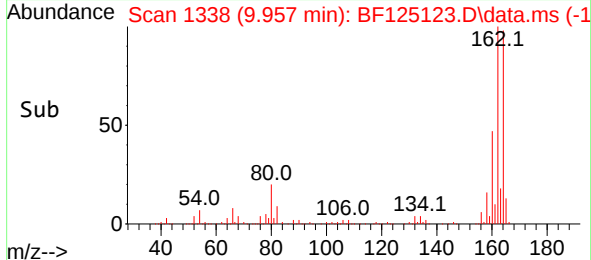
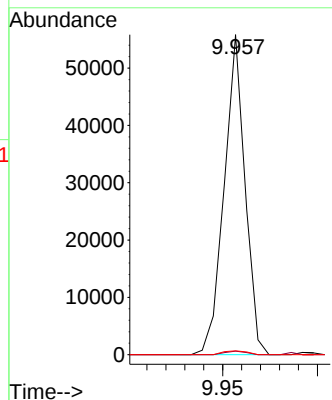
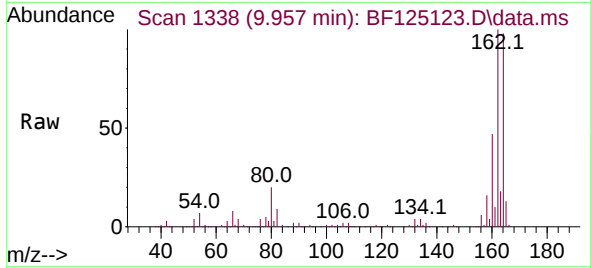




#51  
2,6-Dinitrotoluene  
Concen: 8.814 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. 0.217 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

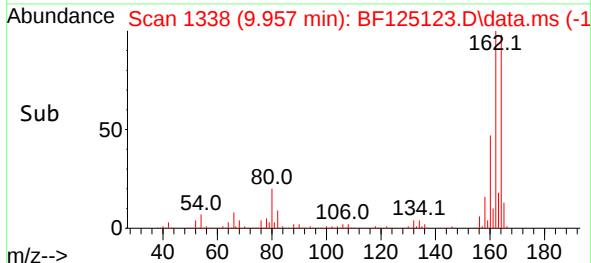
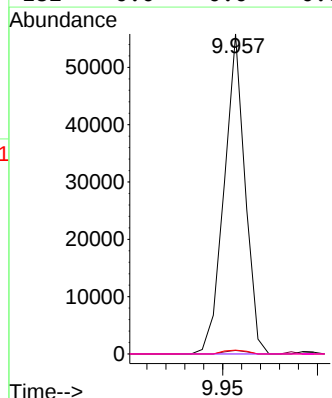
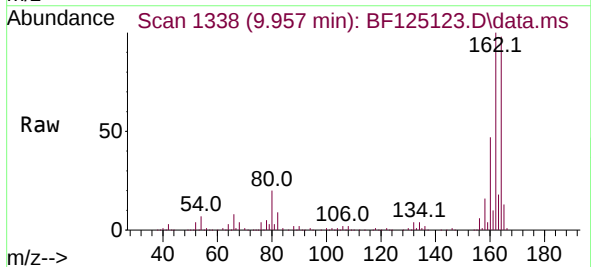
Instrument :  
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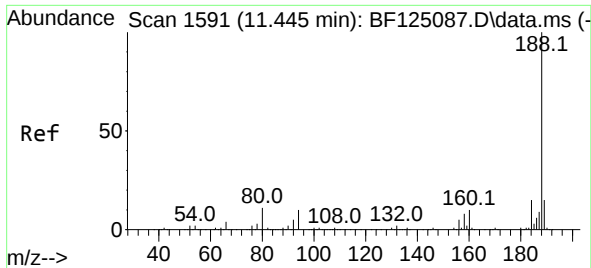
Tgt Ion:165 Resp: 42786  
Ion Ratio Lower Upper  
165 100  
63 1.1 42.6 63.8#  
89 1.2 40.6 60.8#



#57  
2,4-Dinitrotoluene  
Concen: 7.282 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.188 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Tgt Ion:165 Resp: 42786  
Ion Ratio Lower Upper  
165 100  
63 1.1 40.9 61.3#  
89 1.2 59.7 89.5#  
182 0.0 0.0 0.0

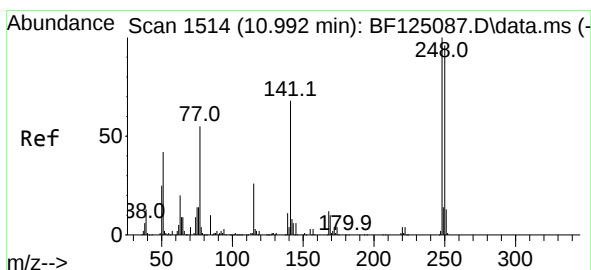
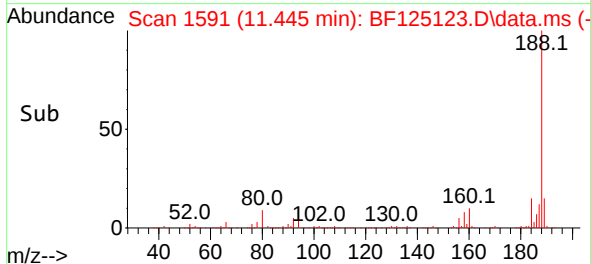
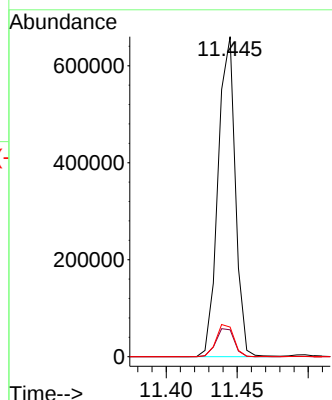
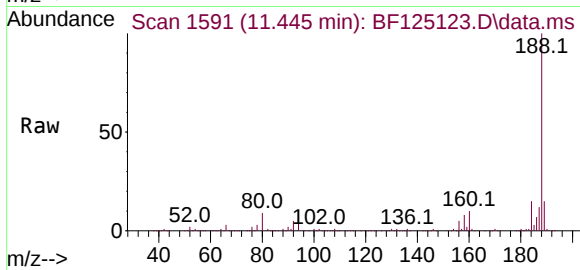




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.445 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

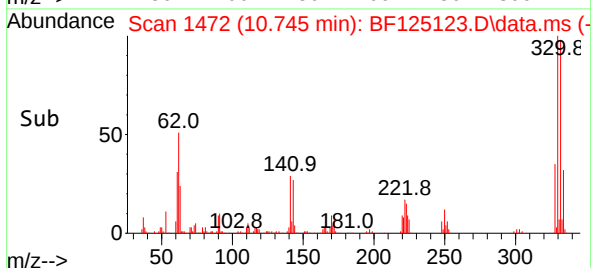
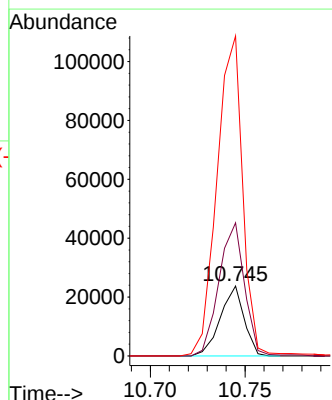
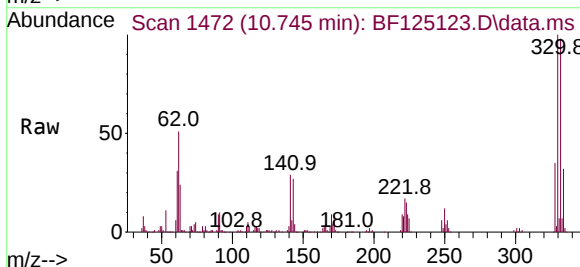
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

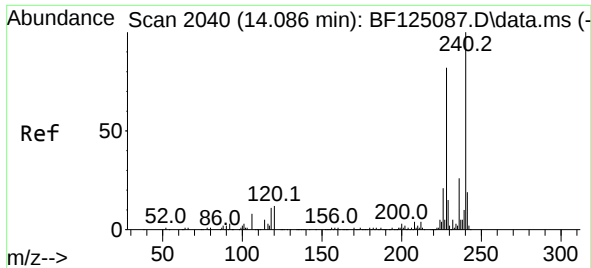
Tgt Ion:188 Resp: 557076  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.7 10.1  
80 9.2 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.103 ng  
RT: 10.745 min Scan# 1472  
Delta R.T. -0.247 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Tgt Ion:248 Resp: 20760  
Ion Ratio Lower Upper  
248 100  
250 190.4 74.2 111.4#  
141 457.8 60.4 90.6#

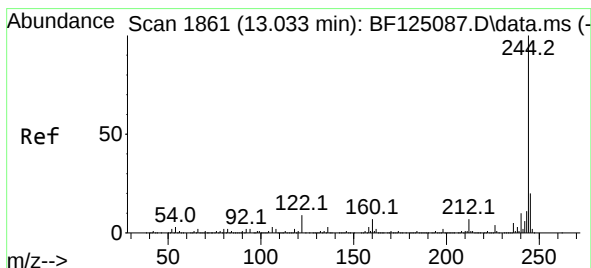
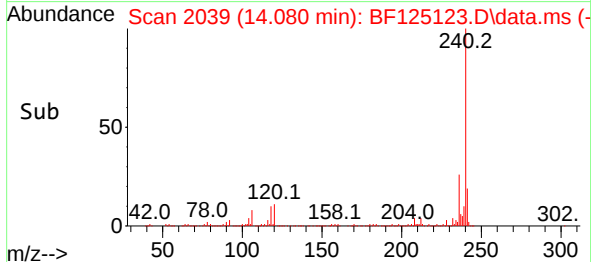
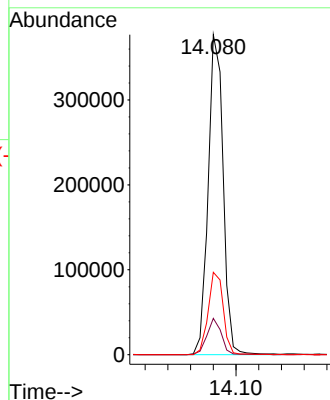
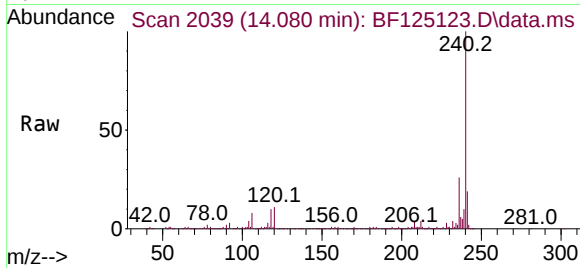




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.080 min Scan# 2039  
Delta R.T. -0.006 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

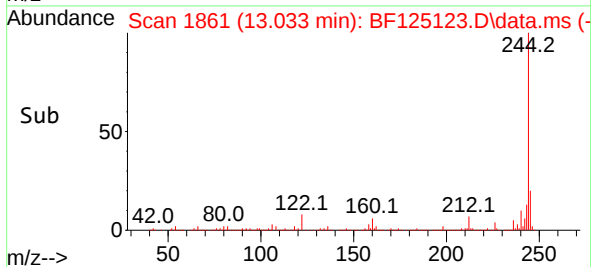
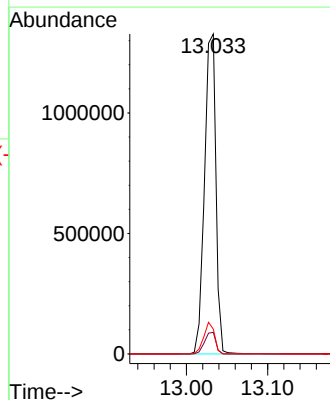
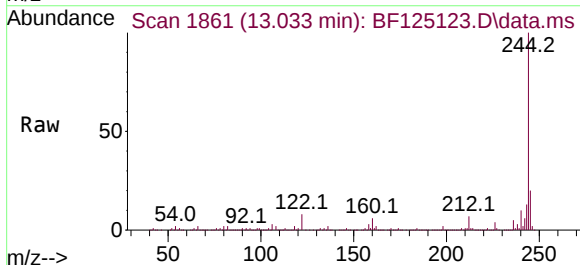
Instrument :  
BNA\_F  
ClientSampleId :  
PE-2

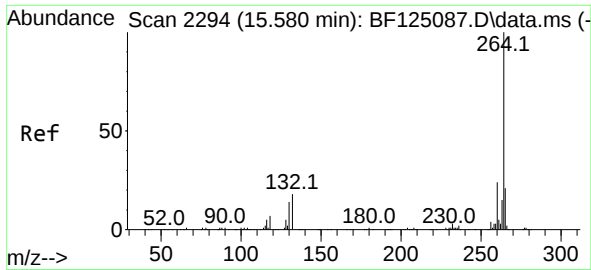
|             |                |
|-------------|----------------|
| Tgt Ion:240 | Resp: 344249   |
| Ion Ratio   | Lower Upper    |
| 240         | 100            |
| 120         | 11.4 10.8 16.2 |
| 236         | 25.8 21.6 32.4 |



#79  
Terphenyl-d14  
Concen: 59.935 ng  
RT: 13.033 min Scan# 1861  
Delta R.T. -0.000 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

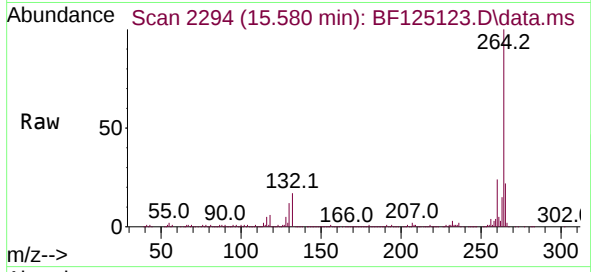
|             |               |
|-------------|---------------|
| Tgt Ion:244 | Resp: 1295135 |
| Ion Ratio   | Lower Upper   |
| 244         | 100           |
| 212         | 6.7 5.9 8.9   |
| 122         | 7.8 9.0 13.4# |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.580 min Scan# 2294  
Delta R.T. -0.000 min  
Lab File: BF125123.D  
Acq: 19 Aug 2021 19:58

Instrument :  
BNA\_F  
ClientSampleId :  
PE-2



Tgt Ion:264 Resp: 335783  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.6  | 29.4  |
| 265 | 21.5  | 17.2  | 25.8  |

