

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020421\  
 Data File : BF123115.D  
 Acq On : 4 Feb 2021 15:10  
 Operator : JU/CG  
 Sample : M1291-10  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU421-008-0002

Quant Time: Feb 04 15:31:15 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 29 12:29:00 2021  
 Response via : Initial Calibration

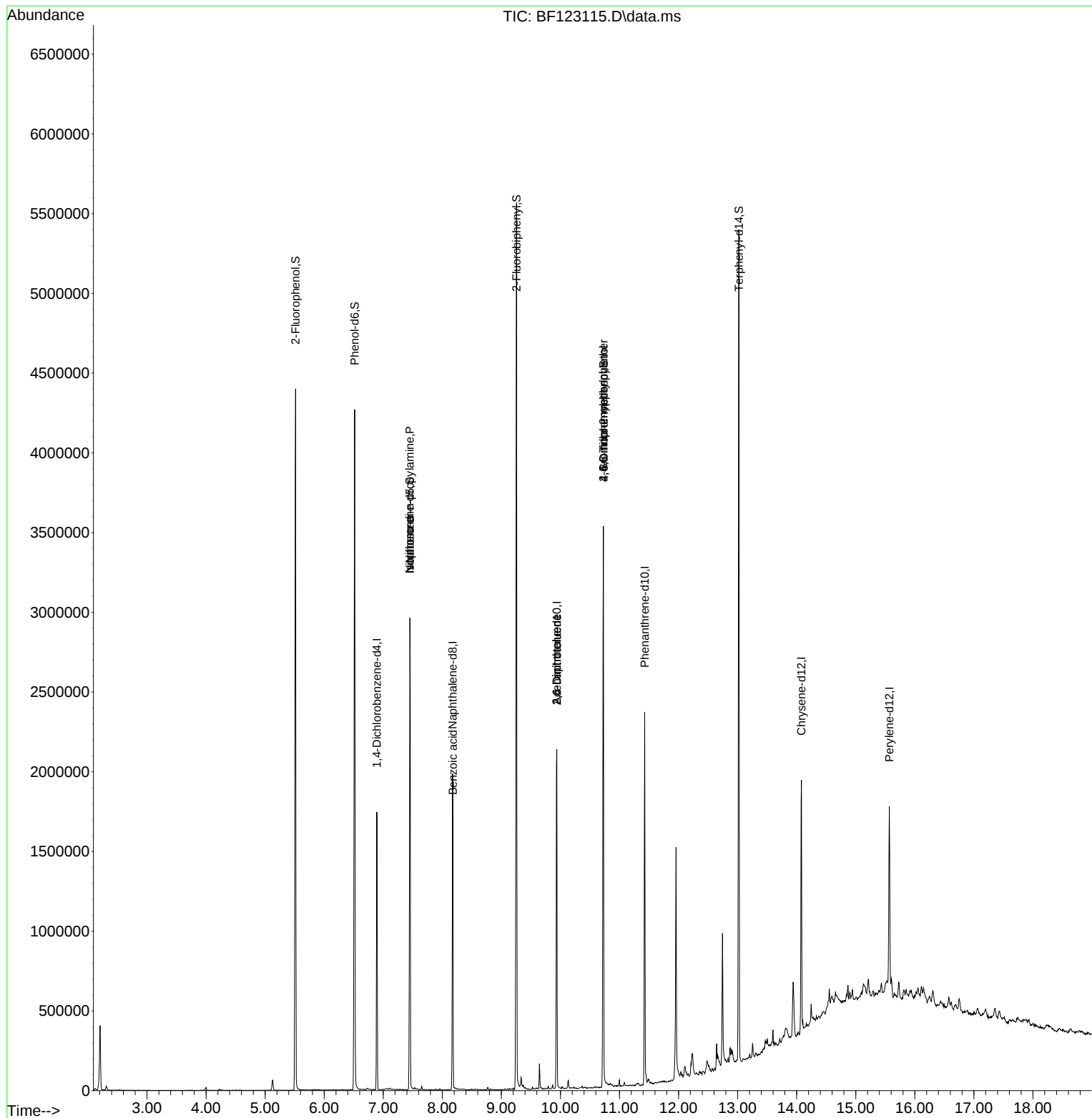
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 231445   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 875644   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.939  | 164  | 463387   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 786295   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.080 | 240  | 552508   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 534439   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1269766  | 84.63 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 1597922  | 78.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1008397  | 57.96 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 435231   | 86.52 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 1761987  | 56.52 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.021 | 244  | 1627486  | 57.87 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 137014   | 11.20 | ng    | # 79     |
| 25) Isophorone                | 7.451  | 82   | 1008388  | 31.64 | ng    | # 65     |
| 32) Benzoic acid              | 8.181  | 122  | 111      | 4.92  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.939  | 165  | 59194    | 7.64  | ng    | # 31     |
| 57) 2,4-Dinitrotoluene        | 9.939  | 165  | 59194    | 5.88  | ng    | # 26     |
| 65) 4,6-Dinitro-2-methylph... | 10.727 | 198  | 1102     | 5.20  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.727 | 248  | 28451    | 2.84  | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

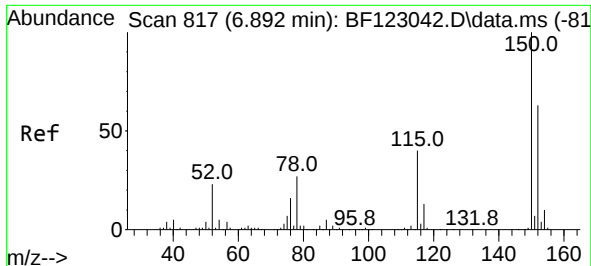
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020421\  
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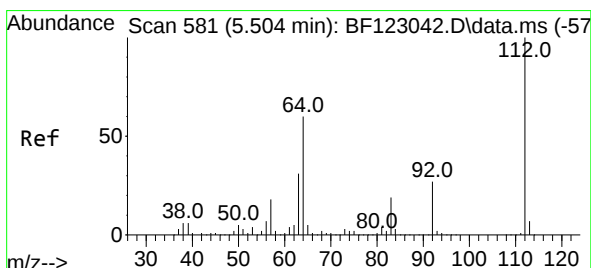
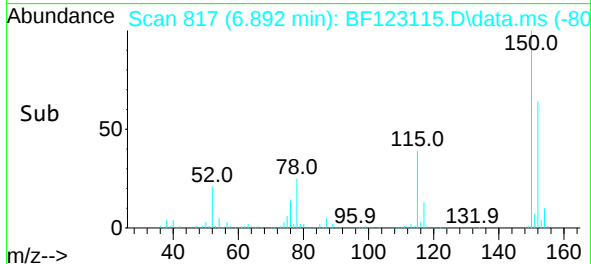
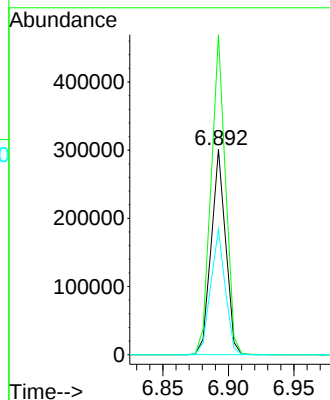
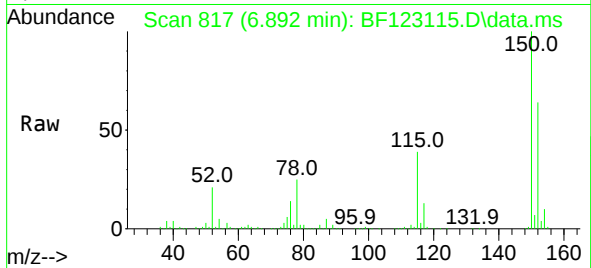




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.892 min Scan# 817  
Delta R.T. 0.000 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

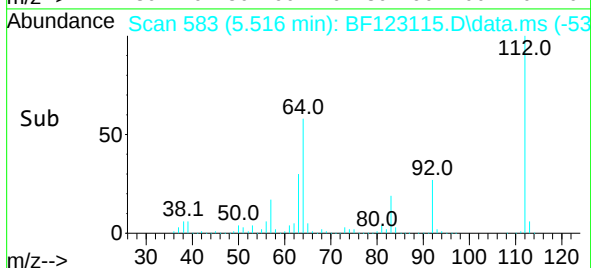
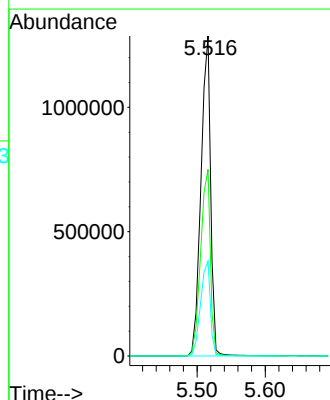
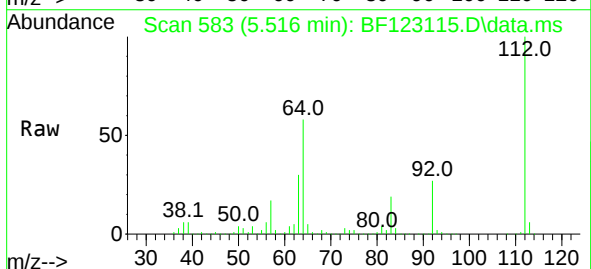
Instrument :  
BNA\_F  
ClientSampleId :  
OU421-008-0002

Tgt Ion:152 Resp: 231445  
Ion Ratio Lower Upper  
152 100  
150 155.9 125.8 188.6  
115 61.2 49.3 73.9



#5  
2-Fluorophenol  
Concen: 84.63 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.012 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

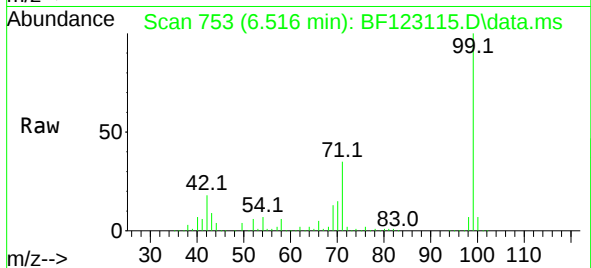
Tgt Ion:112 Resp: 1269766  
Ion Ratio Lower Upper  
112 100  
64 58.3 46.9 70.3  
63 29.7 24.5 36.7





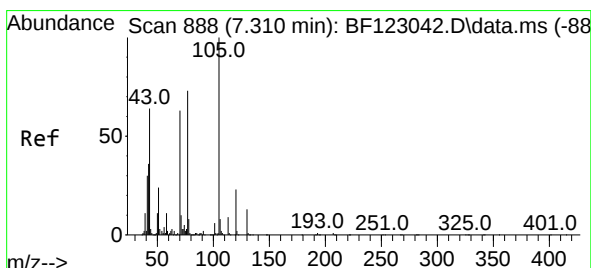
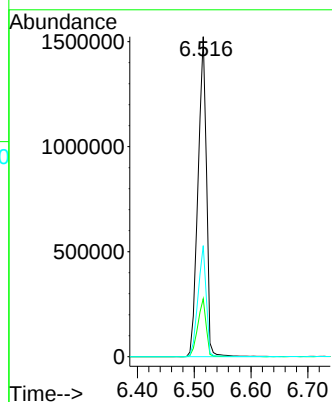
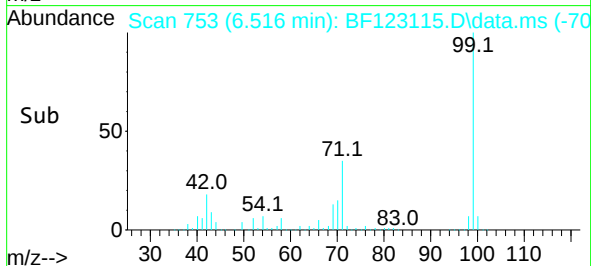
#7  
Phenol-d6  
Concen: 78.57 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

Instrument :  
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OU421-008-0002

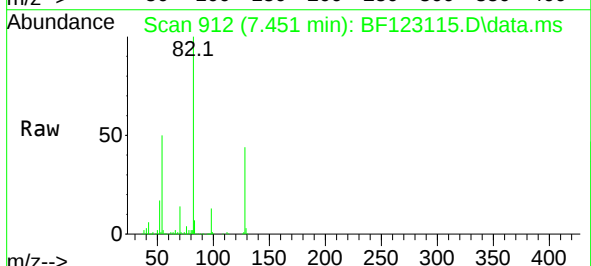


Tgt Ion: 99 Resp: 1597922

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.1  | 13.8  | 20.6  |
| 71  | 34.7  | 26.9  | 40.3  |

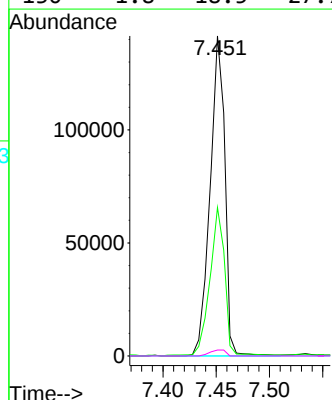
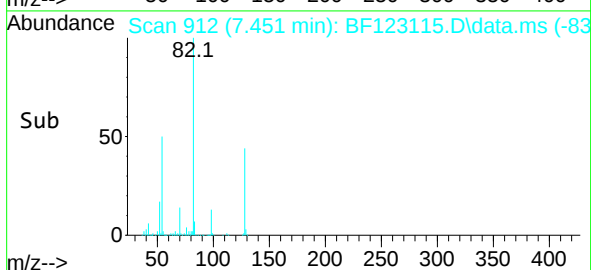


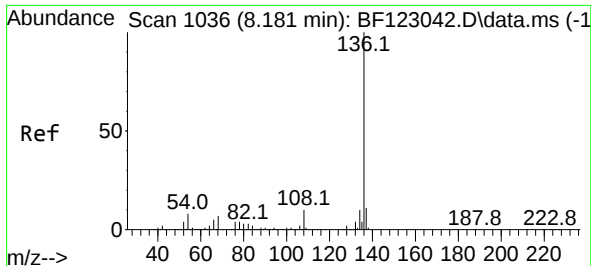
#19  
n-Nitroso-di-n-propylamine  
Concen: 11.20 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10



Tgt Ion: 70 Resp: 137014

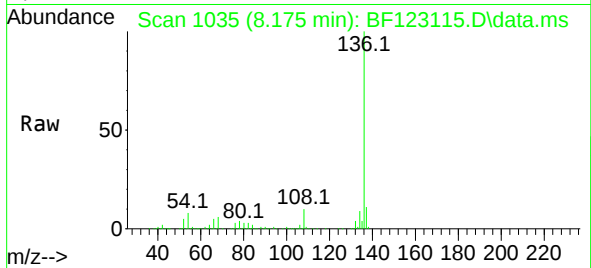
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 46.4  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 1.8   | 18.5  | 27.7# |



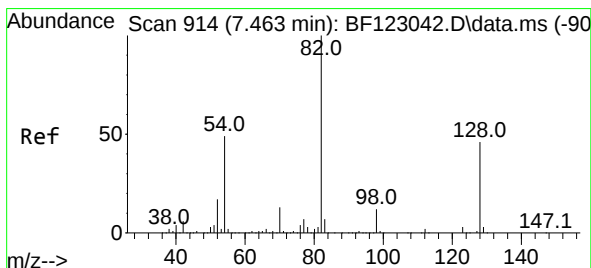
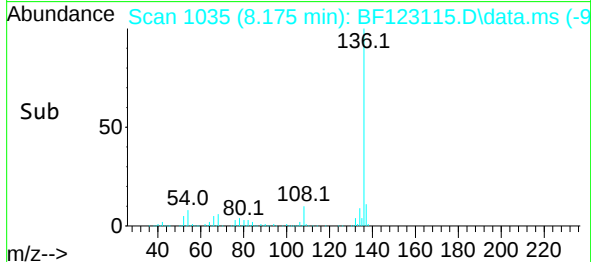
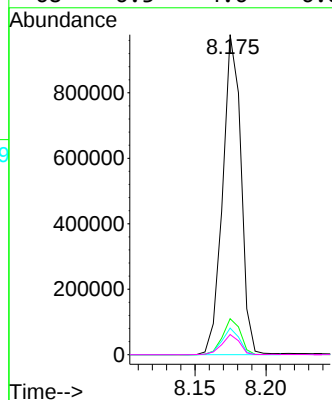


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

Instrument :  
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OU421-008-0002

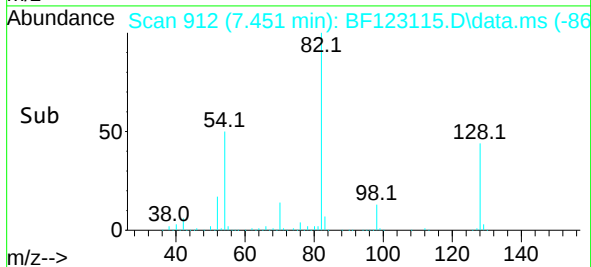
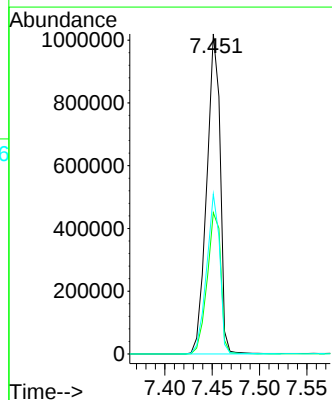
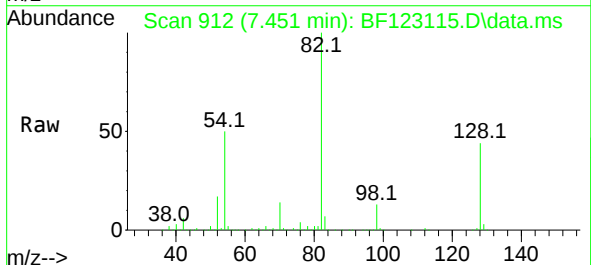


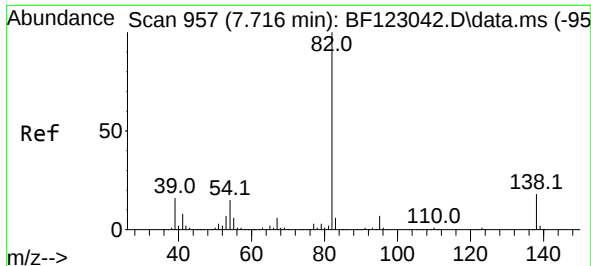
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 875644 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.8   | 13.2   |
| 54       | 8.3   | 5.5   | 8.3#   |
| 68       | 6.3   | 4.6   | 6.8    |



#23  
Nitrobenzene-d5  
Concen: 57.96 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1008397 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 44.2  | 37.0  | 55.4    |
| 54       | 49.9  | 38.4  | 57.6    |

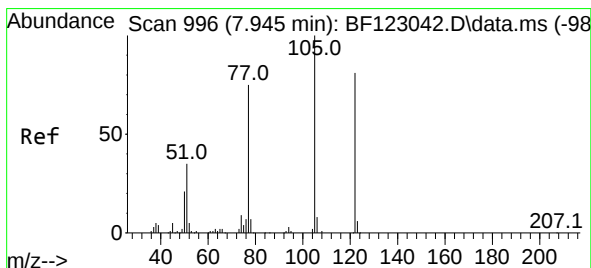
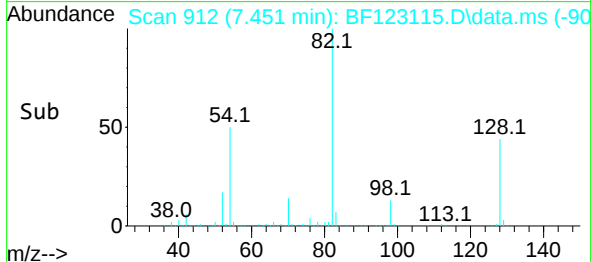
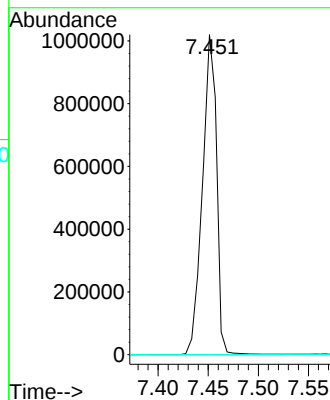
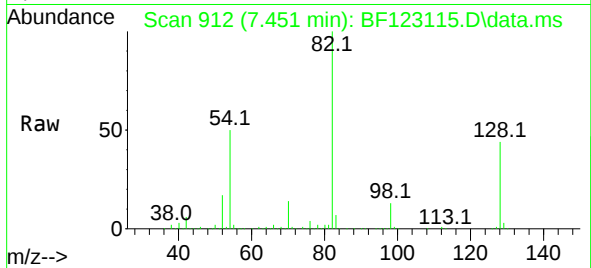




#25  
Isophorone  
Concen: 31.64 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.265 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

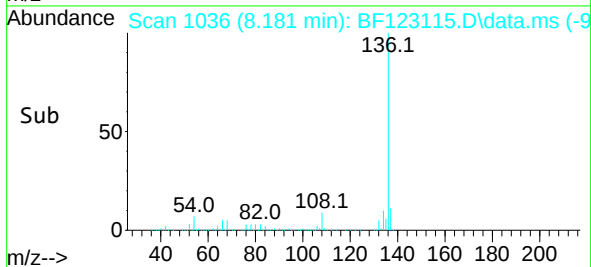
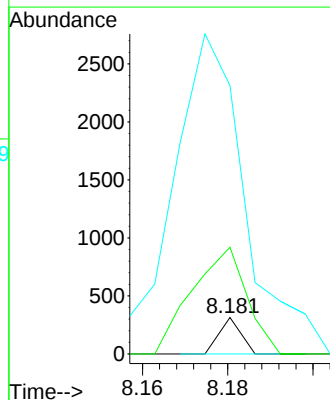
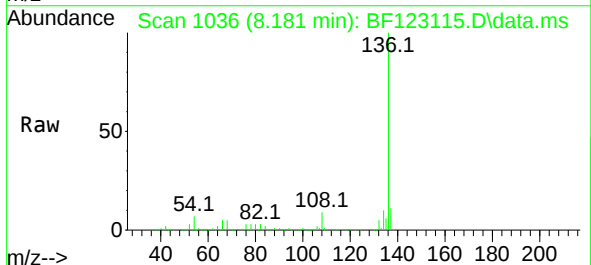
Instrument :  
BNA\_F  
ClientSampleId :  
OU421-008-0002

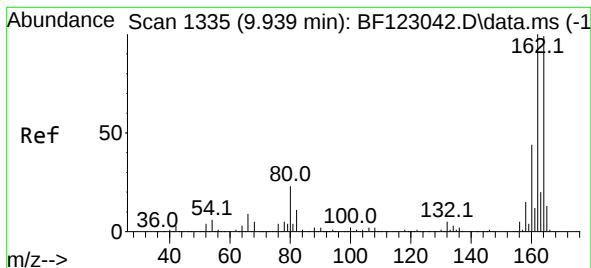
Tgt Ion: 82 Resp: 1008388  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#32  
Benzoic acid  
Concen: 4.92 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. 0.236 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

Tgt Ion:122 Resp: 111  
Ion Ratio Lower Upper  
122 100  
105 293.0 104.8 144.8#  
77 736.3 71.0 111.0#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.000 min

Lab File: BF123115.D

Acq: 4 Feb 2021 15:10

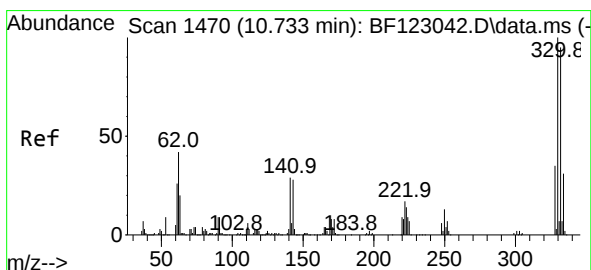
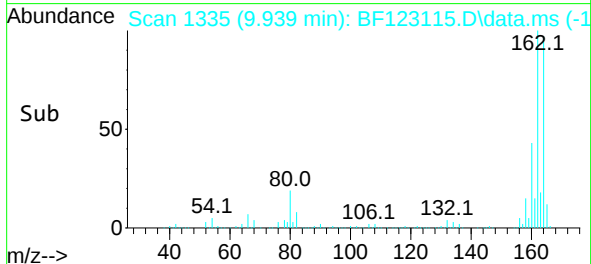
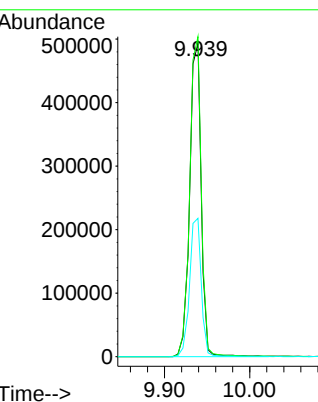
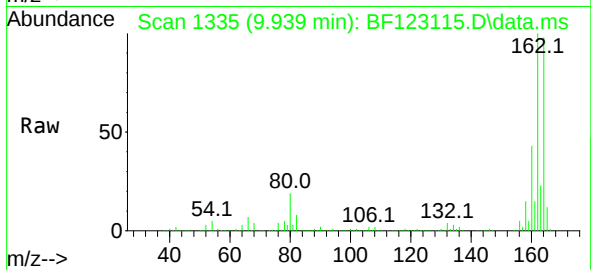
Tgt Ion:164 Resp: 463387

Ion Ratio Lower Upper

164 100

162 102.1 80.8 121.2

160 44.2 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 86.52 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF123115.D

Acq: 4 Feb 2021 15:10

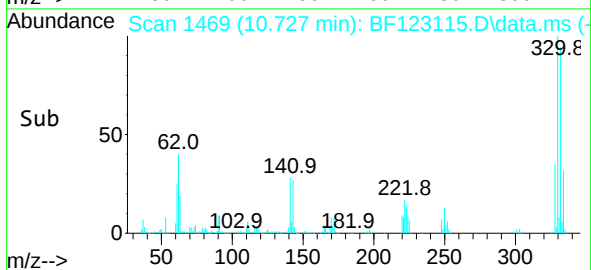
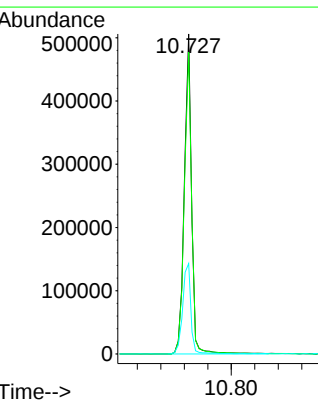
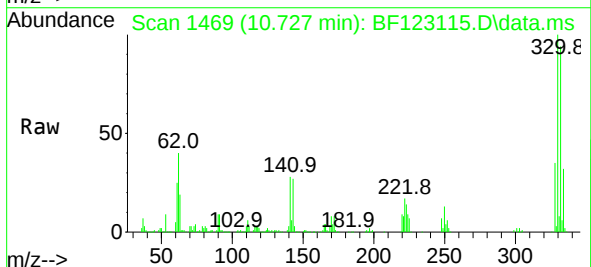
Tgt Ion:330 Resp: 435231

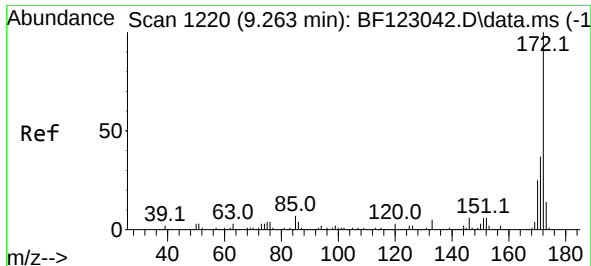
Ion Ratio Lower Upper

330 100

332 96.4 77.5 116.3

141 32.3 23.8 35.8

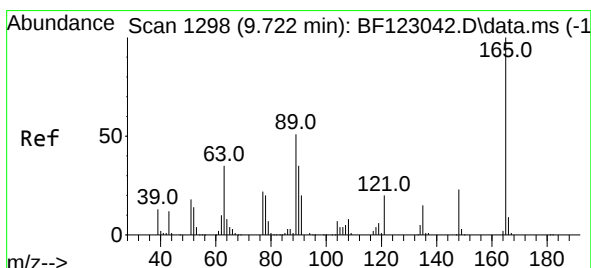
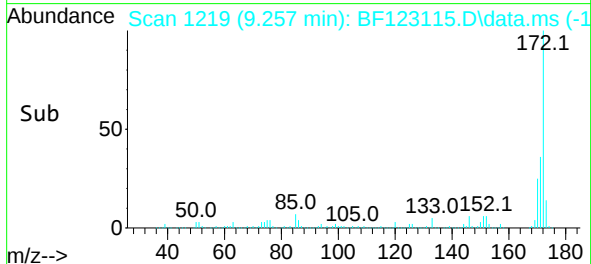
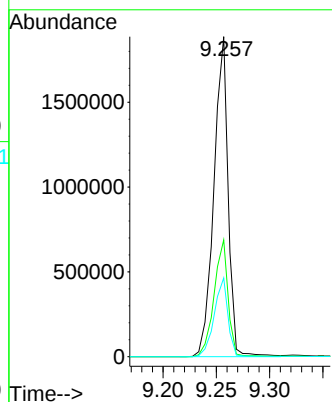
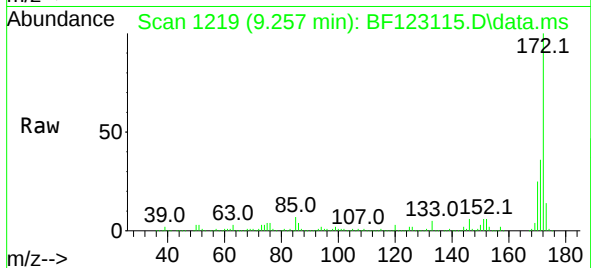




#45  
2-Fluorobiphenyl  
Concen: 56.52 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

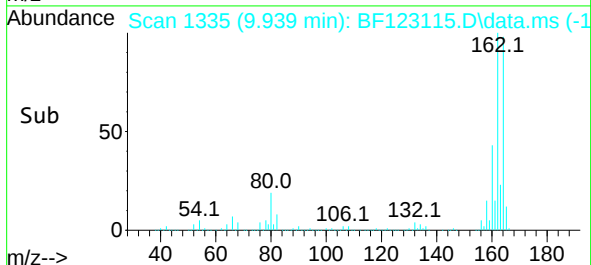
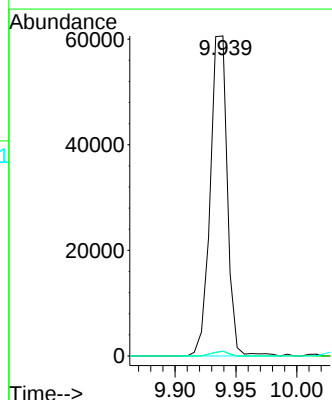
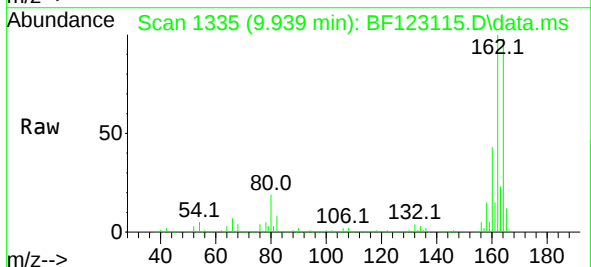
Instrument :  
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OU421-008-0002

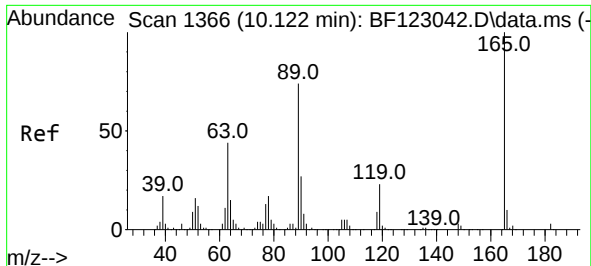
Tgt Ion:172 Resp: 1761987  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 24.6 19.5 29.3



#51  
2,6-Dinitrotoluene  
Concen: 7.64 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. 0.218 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

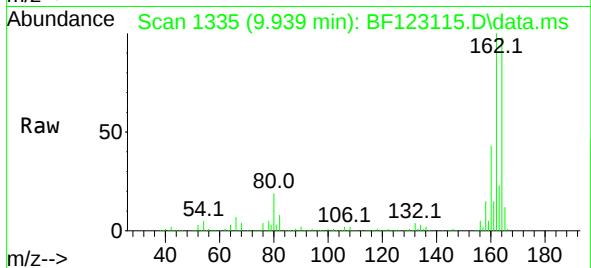
Tgt Ion:165 Resp: 59194  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.6 55.0#  
89 1.6 39.4 59.0#



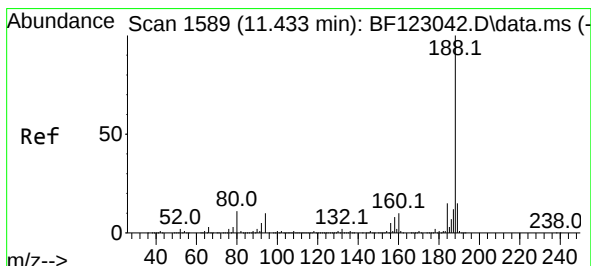
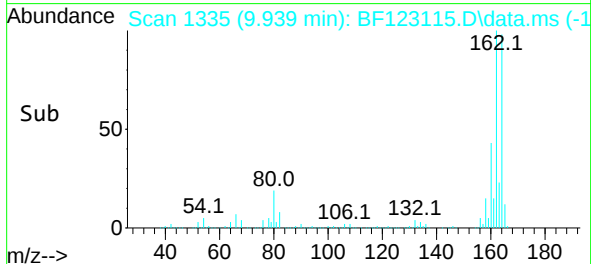
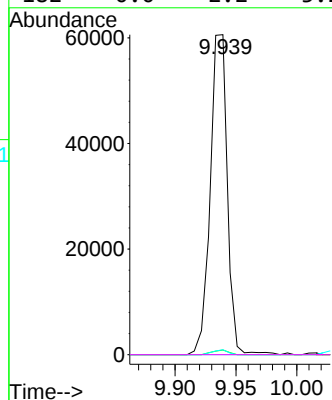


#57  
2,4-Dinitrotoluene  
Concen: 5.88 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.182 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

Instrument :  
BNA\_F  
ClientSampleId :  
OU421-008-0002

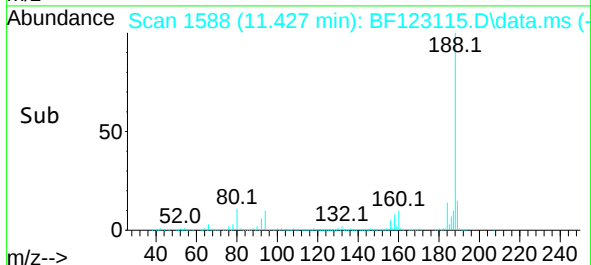
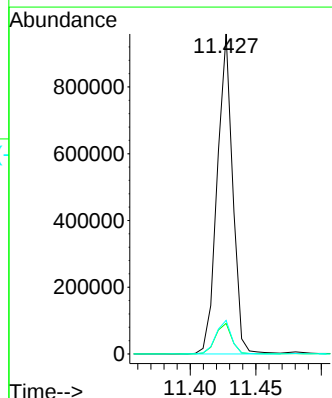
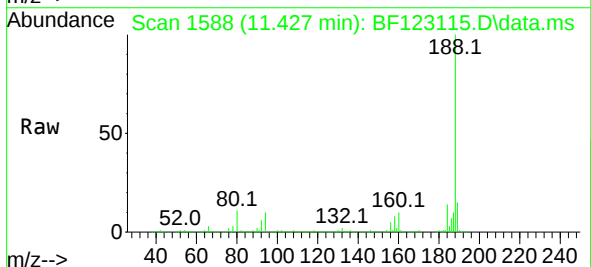


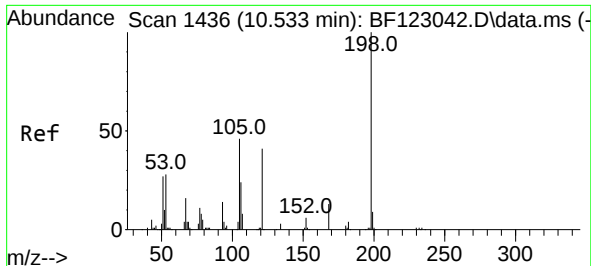
Tgt Ion:165 Resp: 59194  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.3 51.5#  
89 1.6 55.2 82.8#  
182 0.0 2.2 3.2#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. -0.006 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

Tgt Ion:188 Resp: 786295  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.4 11.2  
80 10.5 8.2 12.4

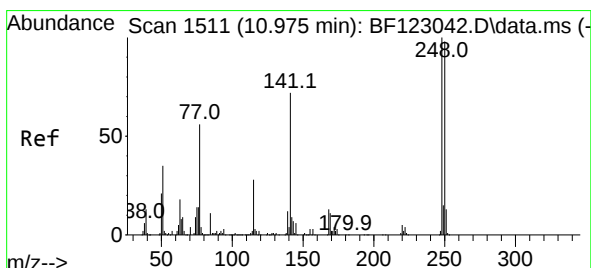
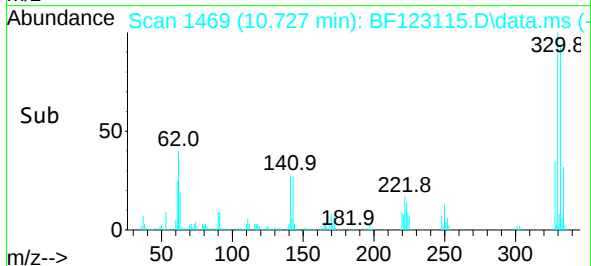
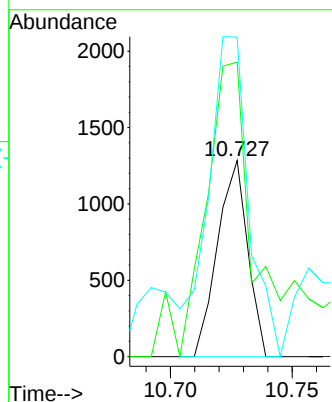
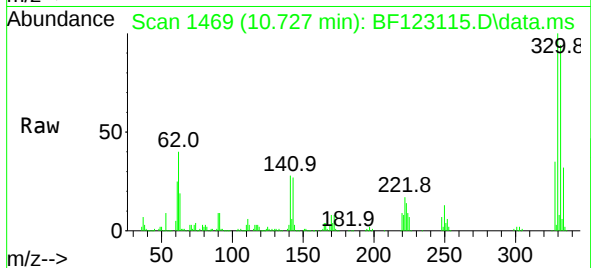




#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.20 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. 0.194 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

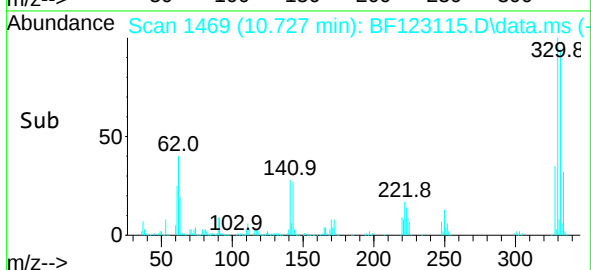
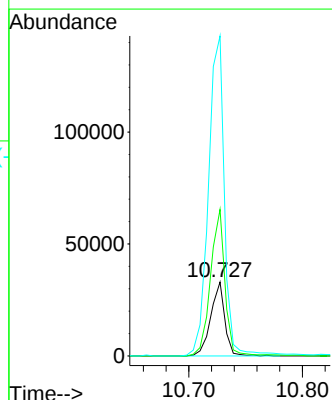
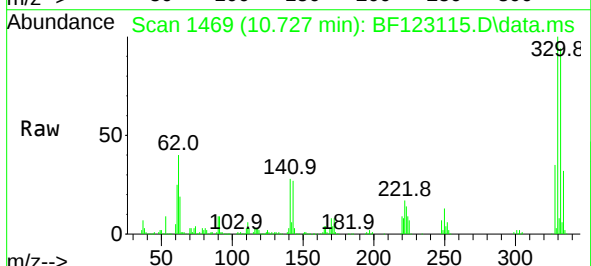
Instrument :  
BNA\_F  
ClientSampleId :  
OU421-008-0002

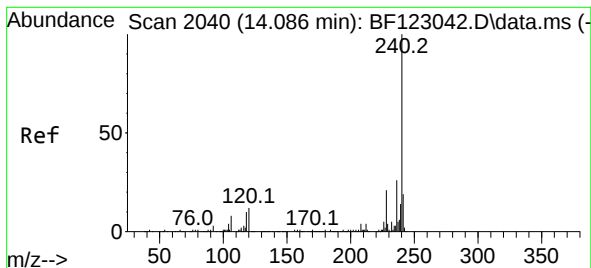
Tgt Ion:198 Resp: 1102  
Ion Ratio Lower Upper  
198 100  
51 150.2 20.3 60.3#  
105 162.9 23.0 63.0#



#67  
4-Bromophenyl-phenylether  
Concen: 2.84 ng  
RT: 10.727 min Scan# 1469  
Delta R.T. -0.247 min  
Lab File: BF123115.D  
Acq: 4 Feb 2021 15:10

Tgt Ion:248 Resp: 28451  
Ion Ratio Lower Upper  
248 100  
250 198.1 76.8 115.2#  
141 432.5 59.8 89.8#





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF123115.D

Acq: 4 Feb 2021 15:10

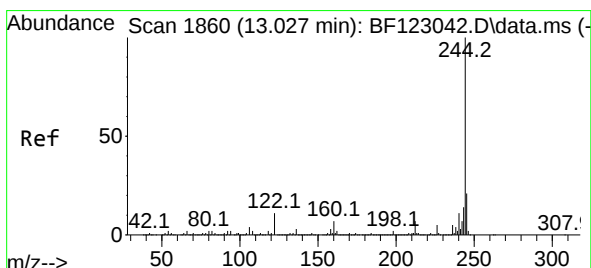
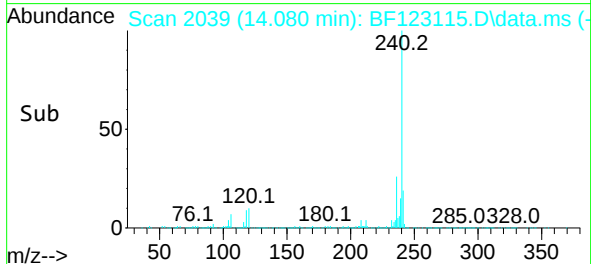
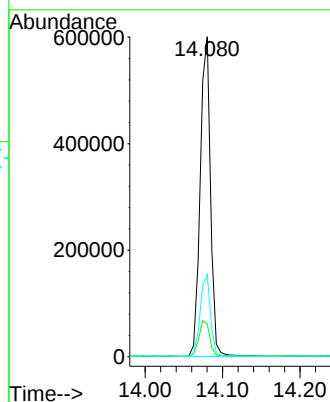
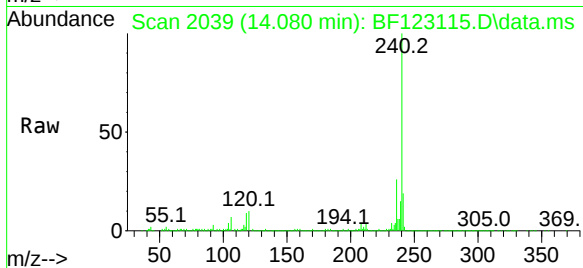
Instrument :

BNA\_F

ClientSampleId :

OU421-008-0002

|             |                |
|-------------|----------------|
| Tgt Ion:240 | Resp: 552508   |
| Ion Ratio   | Lower Upper    |
| 240         | 100            |
| 120         | 10.2 8.6 12.8  |
| 236         | 25.7 20.3 30.5 |



#79

Terphenyl-d14

Concen: 57.87 ng

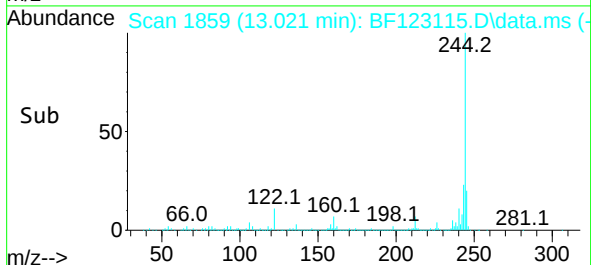
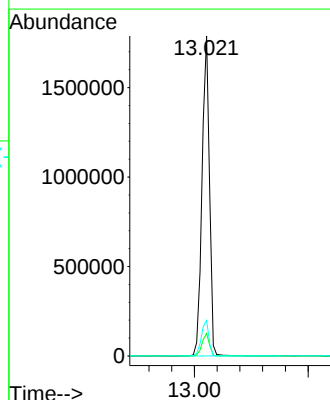
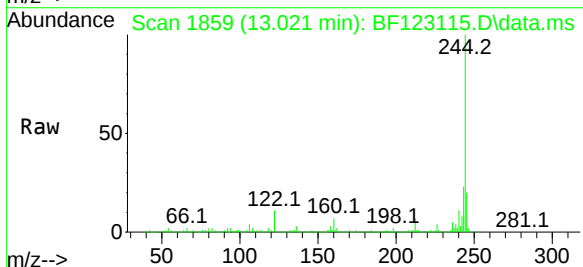
RT: 13.021 min Scan# 1859

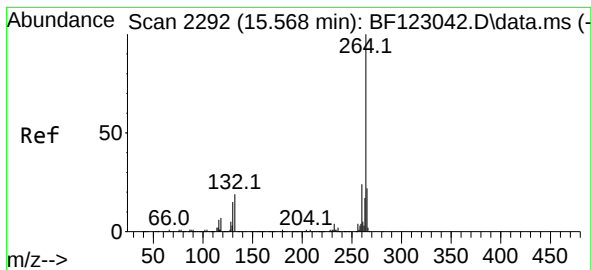
Delta R.T. -0.006 min

Lab File: BF123115.D

Acq: 4 Feb 2021 15:10

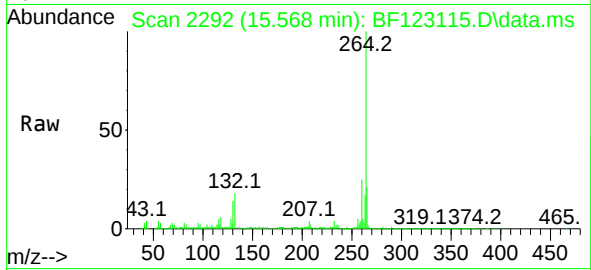
|             |               |
|-------------|---------------|
| Tgt Ion:244 | Resp: 1627486 |
| Ion Ratio   | Lower Upper   |
| 244         | 100           |
| 212         | 7.0 5.7 8.5   |
| 122         | 11.1 8.3 12.5 |





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.568 min Scan# 2292  
 Delta R.T. -0.000 min  
 Lab File: BF123115.D  
 Acq: 4 Feb 2021 15:10

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OU421-008-0002



Tgt Ion:264 Resp: 534439  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 18.6 28.0  
 265 21.4 17.0 25.6

