

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF123021\  
 Data File : BF126439.D  
 Acq On : 31 Dec 2021 1:47  
 Operator : JU/CG  
 Sample : M5244-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-5A

Quant Time: Dec 31 05:38:38 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 30 04:30:49 2021  
 Response via : Initial Calibration

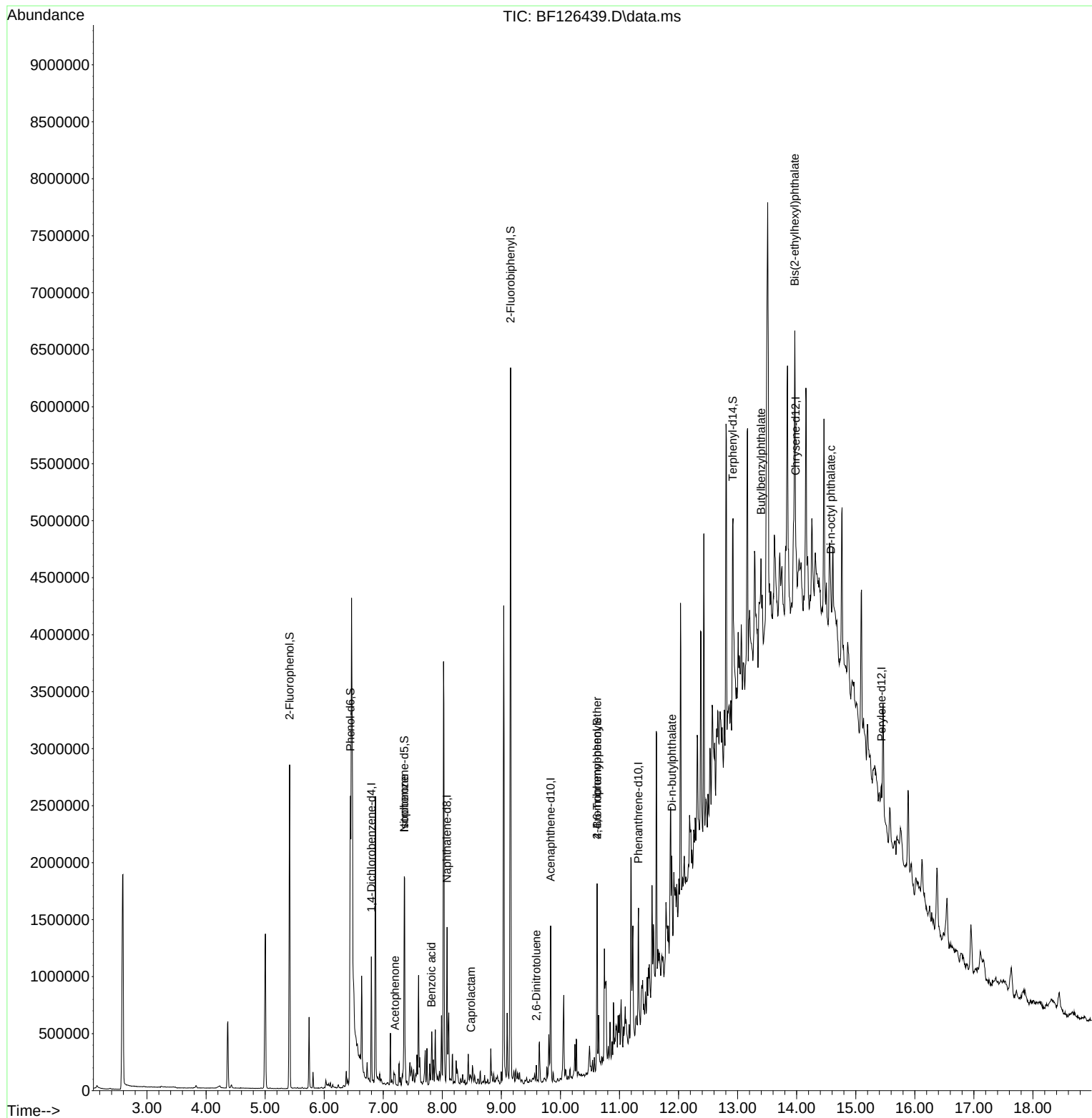
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 138389   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.080  | 136  | 534197   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 238766   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.321 | 188  | 403803   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 146267   | 20.000    | ng    | 0.02     |
| 86) Perylene-d12              | 15.433 | 264  | 145188   | 20.000    | ng    | 0.04     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 844562   | 87.640    | ng    | 0.01     |
| 7) Phenol-d6                  | 6.445  | 99   | 968003   | 77.555    | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 638207   | 61.343    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.621 | 330  | 185557   | 100.570   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 616139   | 45.410    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.915 | 244  | 660540   | 87.743    | ng    | 0.01     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 22) Acetophenone              | 7.198  | 105  | 30816    | 2.495     | ng    | # 65     |
| 25) Isophorone                | 7.357  | 82   | 634124   | 34.048    | ng    | # 69     |
| 32) Benzoic acid              | 7.816  | 122  | 1446     | 7.311     | ng    | # 1      |
| 35) Caprolactam               | 8.486  | 113  | 5554     | 3.313     | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 9.592  | 165  | 10179    | 3.162     | ng    | # 30     |
| 67) 4-Bromophenyl-phenylether | 10.621 | 248  | 10505    | 2.931     | ng    | # 1      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 161186   | 6.999     | ng    | 98       |
| 77) Benzidine                 | 12.680 | 184  | 707      | Below Cal |       | # 1      |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 198870   | 36.308    | ng    | 93       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 1021640  | 179.979   | ng    | # 100    |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 87675    | 8.906     | ng    | # 70     |
| -----                         |        |      |          |           |       |          |

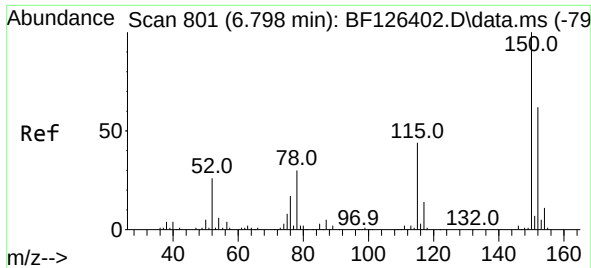
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF126439.D  
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Sample : M5244-11  
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Quant Time: Dec 31 05:38:38 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 30 04:30:49 2021  
Response via : Initial Calibration

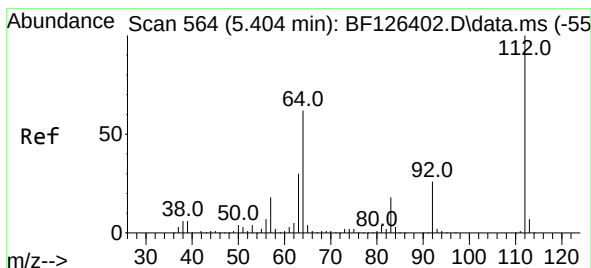
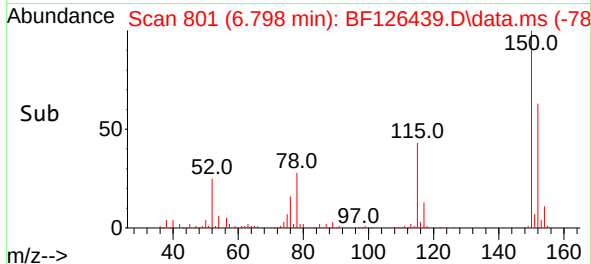
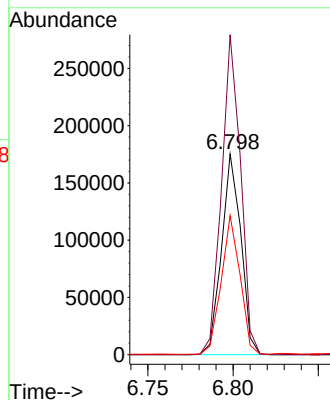
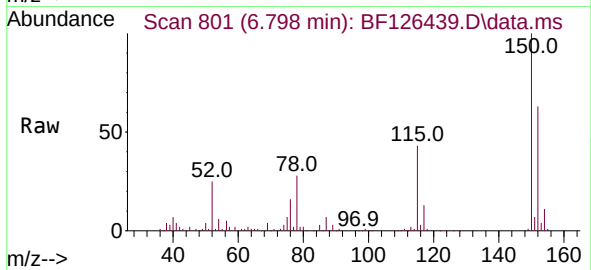




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

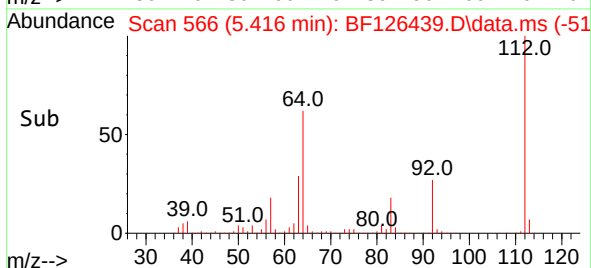
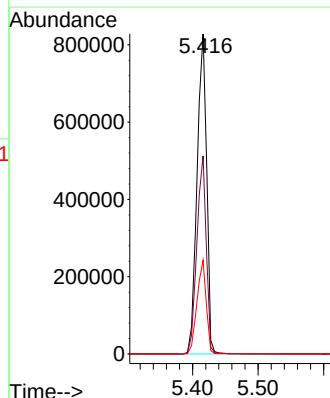
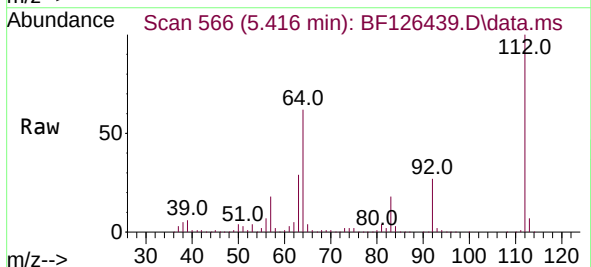
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A

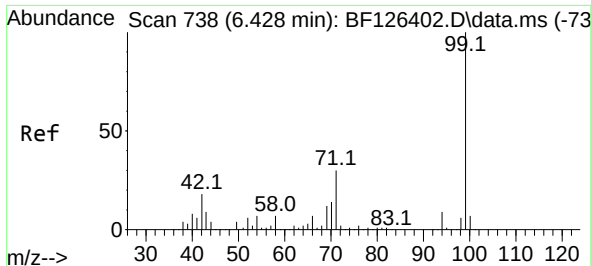
Tgt Ion:152 Resp: 138389  
Ion Ratio Lower Upper  
152 100  
150 159.4 128.1 192.1  
115 69.3 56.7 85.1



#5  
2-Fluorophenol  
Concen: 87.640 ng  
RT: 5.416 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

Tgt Ion:112 Resp: 844562  
Ion Ratio Lower Upper  
112 100  
64 61.9 49.5 74.3  
63 29.3 23.9 35.9

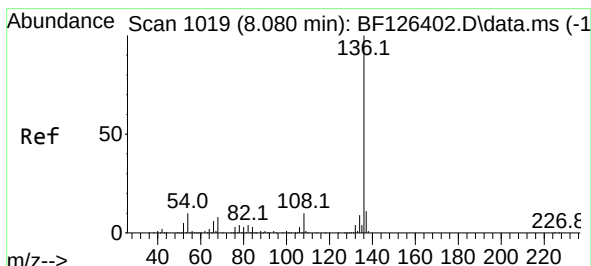
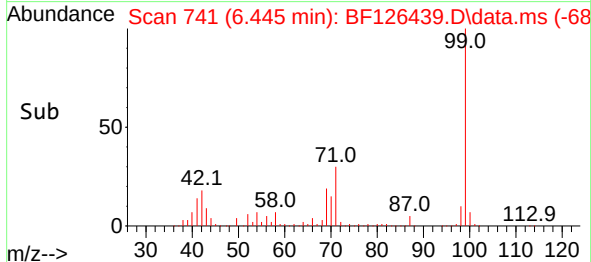
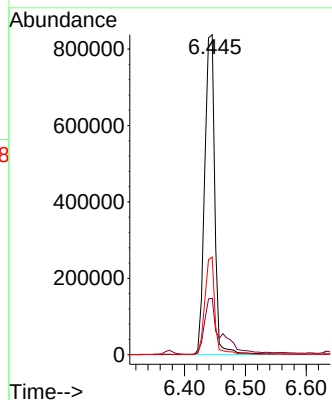
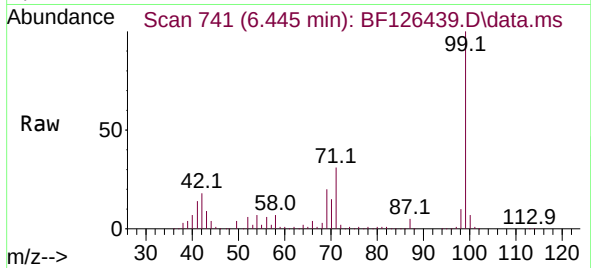




#7  
Phenol-d6  
Concen: 77.555 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.018 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

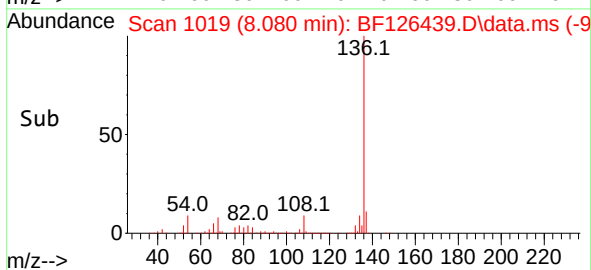
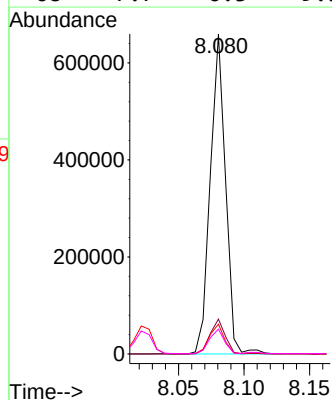
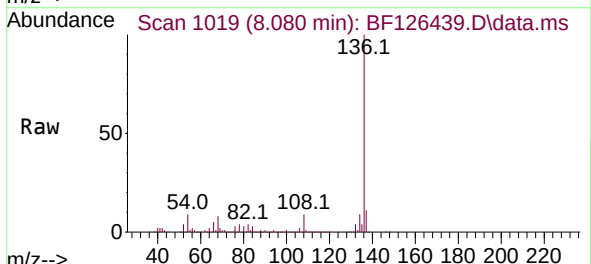
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A

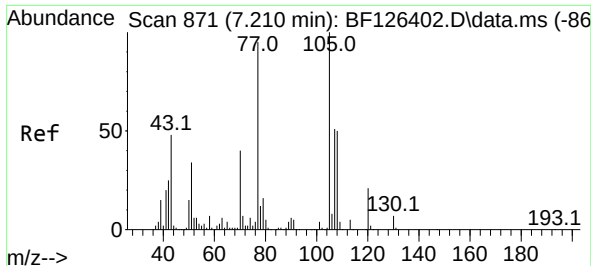
Tgt Ion: 99 Resp: 968003  
Ion Ratio Lower Upper  
99 100  
42 17.7 14.2 21.4  
71 30.5 24.3 36.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.080 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

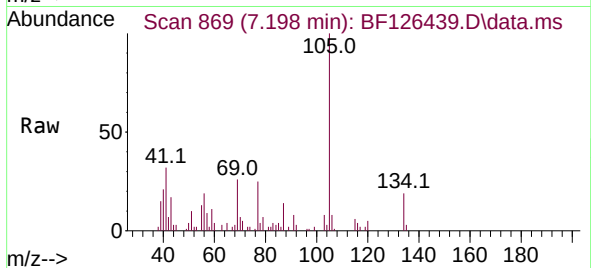
Tgt Ion: 136 Resp: 534197  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.3 7.8 11.6  
68 7.7 6.3 9.5



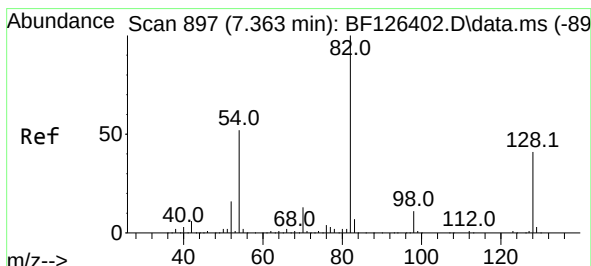
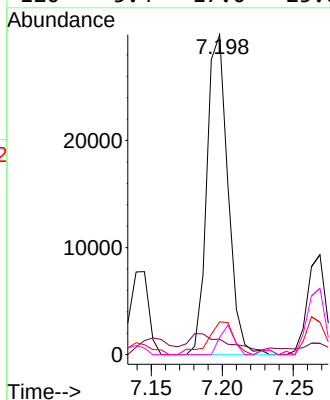
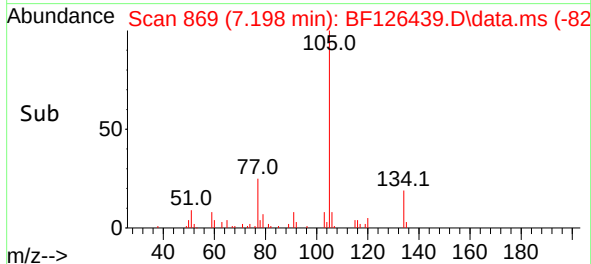


#22  
Acetophenone  
Concen: 2.495 ng  
RT: 7.198 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

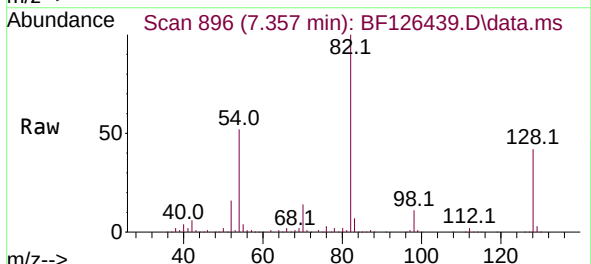
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A



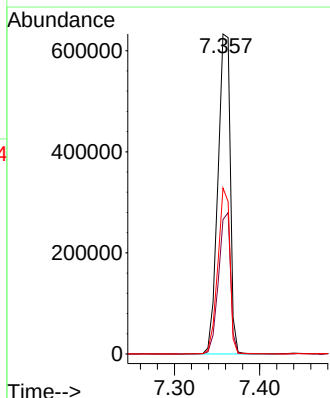
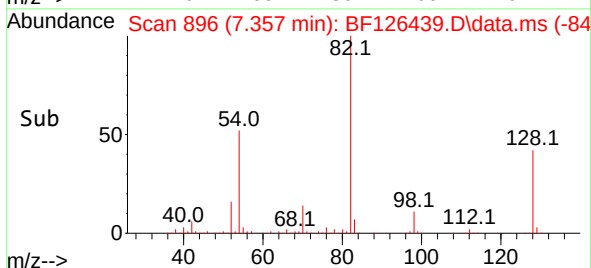
Tgt Ion:105 Resp: 30816  
Ion Ratio Lower Upper  
105 100  
71 4.8 5.4 8.0#  
51 10.3 27.4 41.0#  
120 5.4 17.0 25.6#

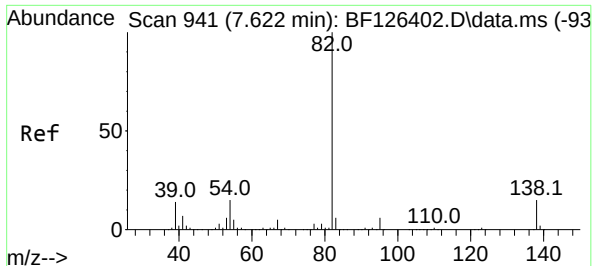


#23  
Nitrobenzene-d5  
Concen: 61.343 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.006 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47



Tgt Ion: 82 Resp: 638207  
Ion Ratio Lower Upper  
82 100  
128 42.0 32.7 49.1  
54 51.8 41.7 62.5

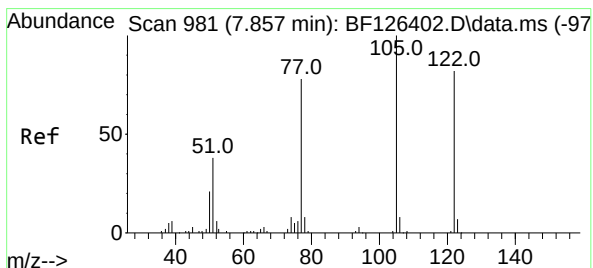
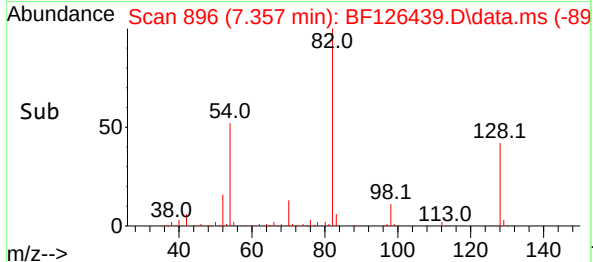
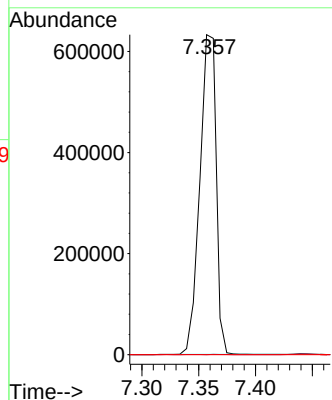
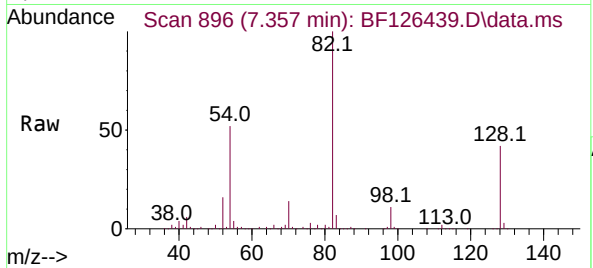




#25  
Isophorone  
Concen: 34.048 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

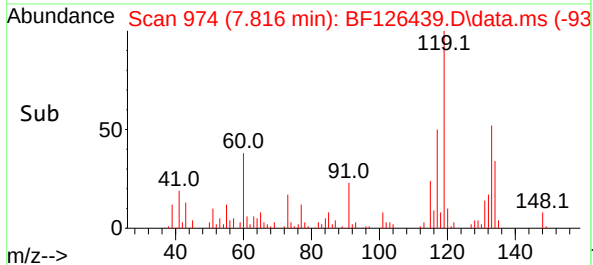
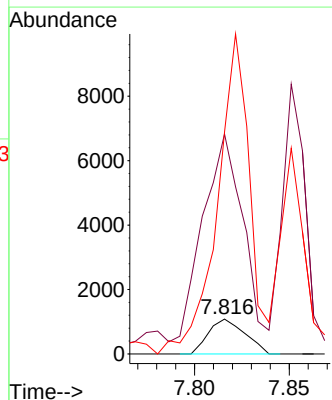
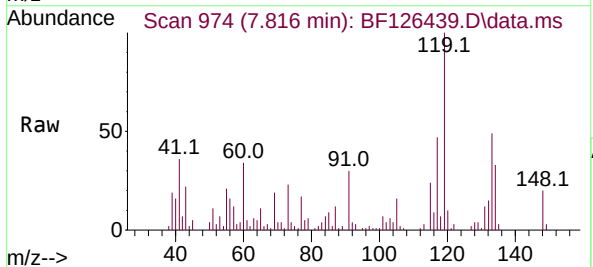
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ClientSampleId :  
CONC-5A

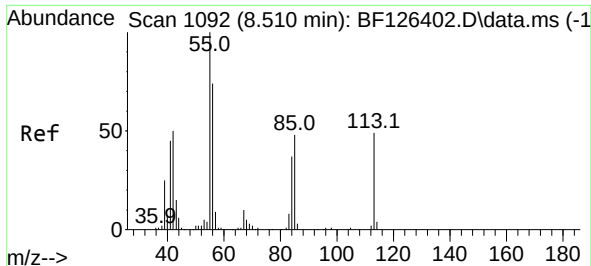
Tgt Ion: 82 Resp: 634124  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



#32  
Benzoic acid  
Concen: 7.311 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.041 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

Tgt Ion:122 Resp: 1446  
Ion Ratio Lower Upper  
122 100  
105 630.4 101.0 141.0#  
77 635.4 74.5 114.5#

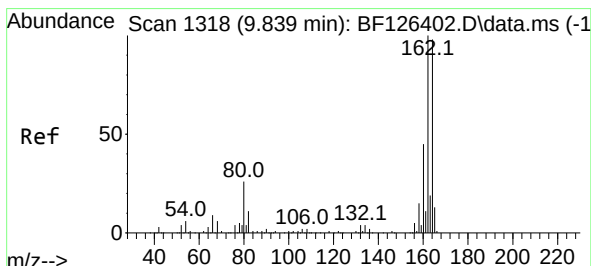
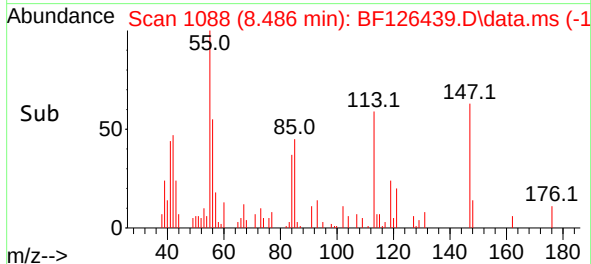
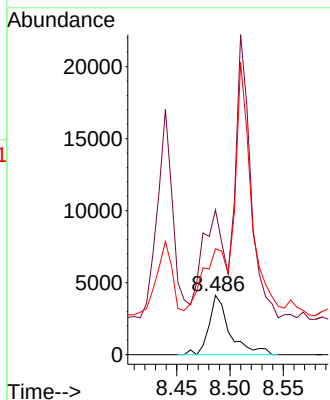
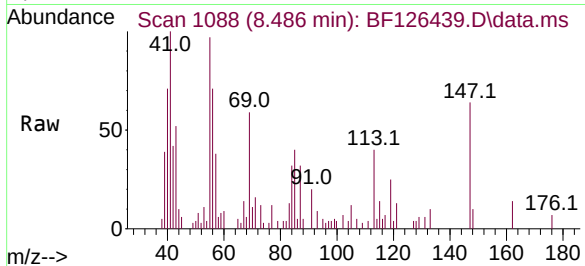




#35  
 Caprolactam  
 Concen: 3.313 ng  
 RT: 8.486 min Scan# 1092  
 Delta R.T. -0.024 min  
 Lab File: BF126439.D  
 Acq: 31 Dec 2021 1:47

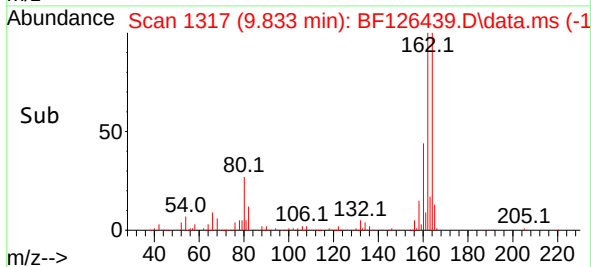
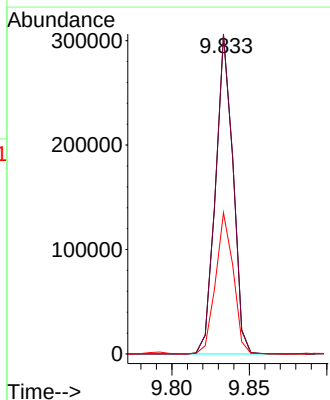
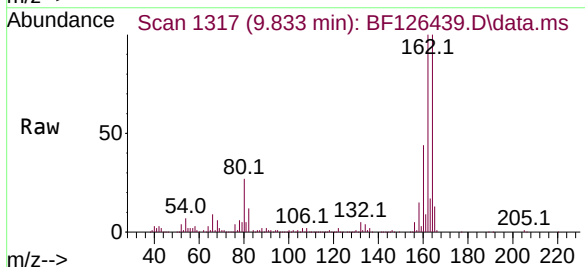
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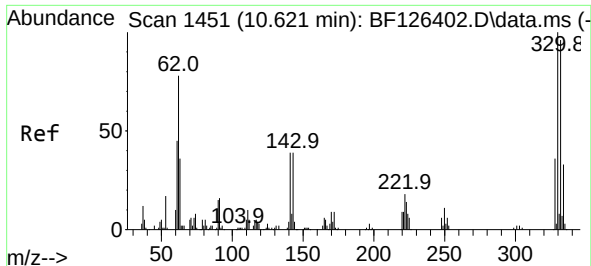
Tgt Ion:113 Resp: 5554  
 Ion Ratio Lower Upper  
 113 100  
 55 244.0 183.9 223.9#  
 56 178.6 129.9 169.9#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.833 min Scan# 1317  
 Delta R.T. -0.006 min  
 Lab File: BF126439.D  
 Acq: 31 Dec 2021 1:47

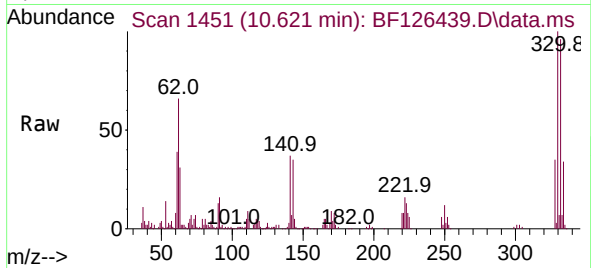
Tgt Ion:164 Resp: 238766  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 81.4 122.0  
 160 44.3 36.6 54.8



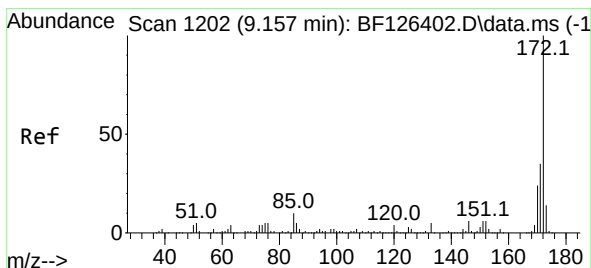
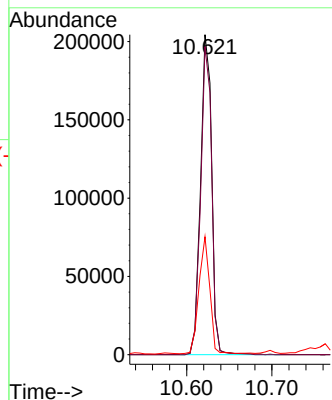
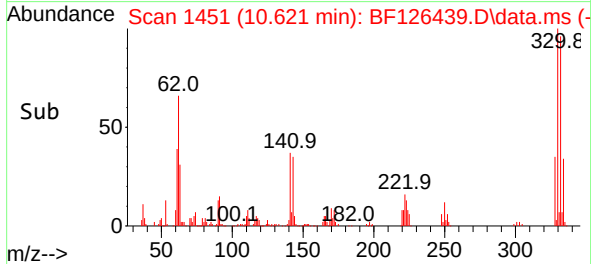


#42  
 2,4,6-Tribromophenol  
 Concen: 100.570 ng  
 RT: 10.621 min Scan# 1451  
 Delta R.T. -0.000 min  
 Lab File: BF126439.D  
 Acq: 31 Dec 2021 1:47

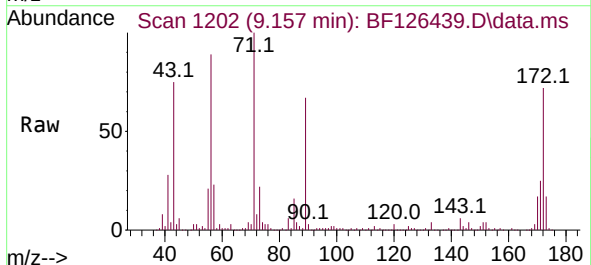
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 CONC-5A



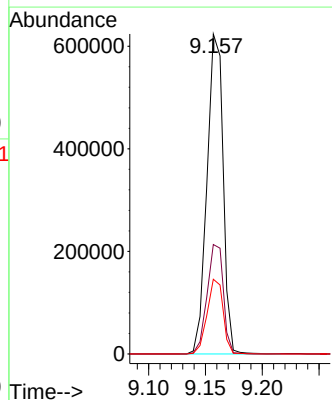
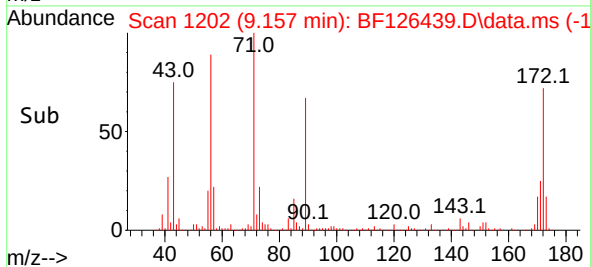
Tgt Ion:330 Resp: 185557  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 76.0 114.0  
 141 35.6 30.1 45.1



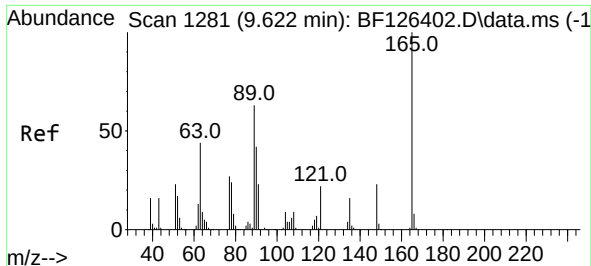
#45  
 2-Fluorobiphenyl  
 Concen: 45.410 ng  
 RT: 9.157 min Scan# 1202  
 Delta R.T. -0.000 min  
 Lab File: BF126439.D  
 Acq: 31 Dec 2021 1:47



Tgt Ion:172 Resp: 616139  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 28.3 42.5  
 170 23.4 19.0 28.6







#51

2,6-Dinitrotoluene

Concen: 3.162 ng

RT: 9.592 min Scan# 1

Delta R.T. -0.029 min

Lab File: BF126439.D

Acq: 31 Dec 2021 1:47

Instrument :

BNA\_F

ClientSampleId :

CONC-5A

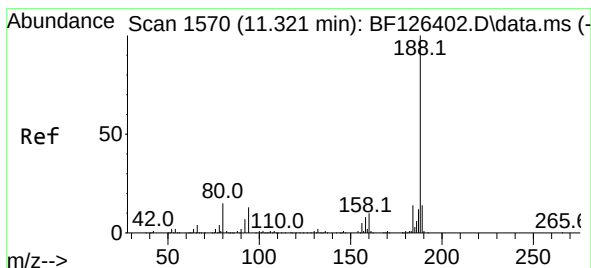
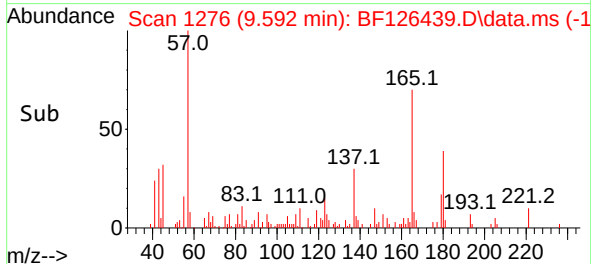
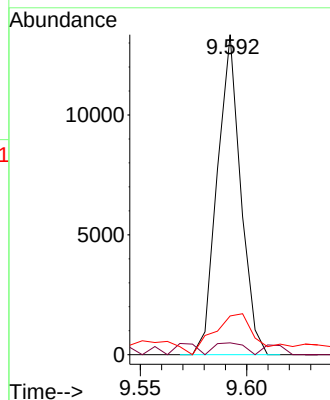
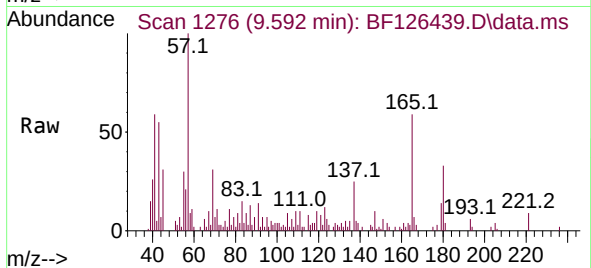
Tgt Ion:165 Resp: 10179

Ion Ratio Lower Upper

165 100

63 3.7 48.4 72.6#

89 12.1 50.5 75.7#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1570

Delta R.T. -0.000 min

Lab File: BF126439.D

Acq: 31 Dec 2021 1:47

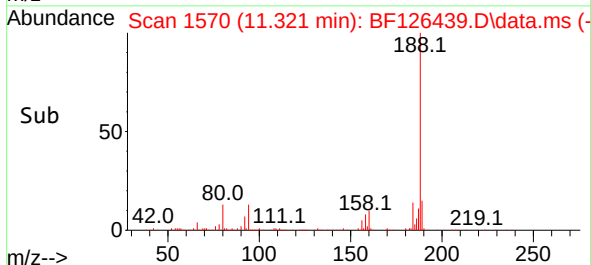
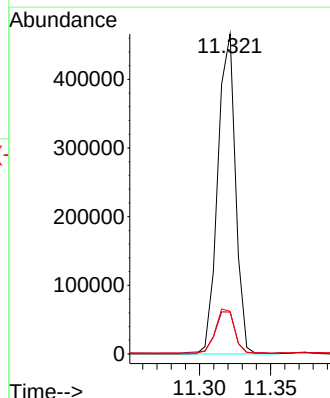
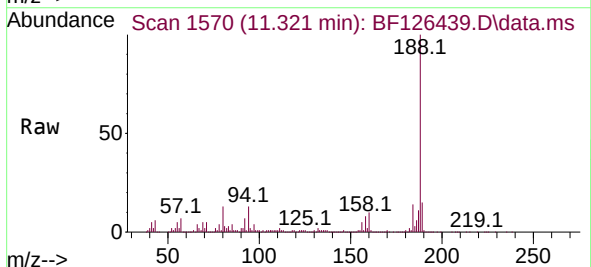
Tgt Ion:188 Resp: 403803

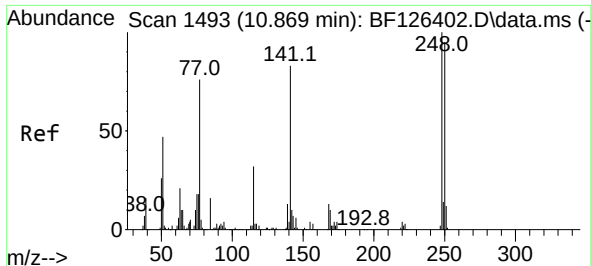
Ion Ratio Lower Upper

188 100

94 13.1 10.1 15.1

80 13.4 11.8 17.6

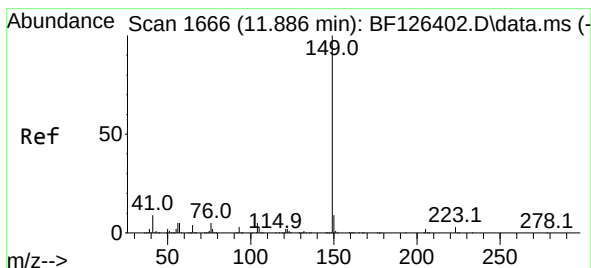
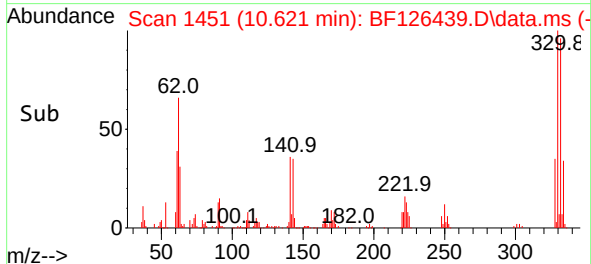
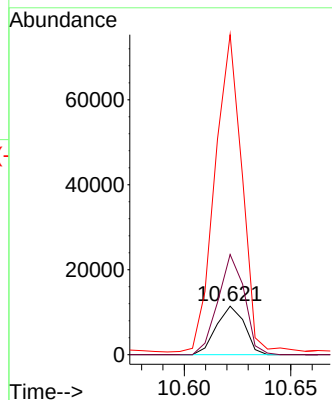
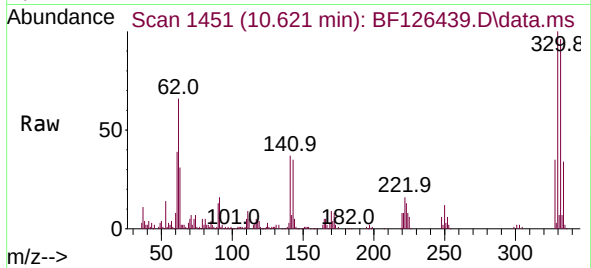




#67  
4-Bromophenyl-phenylether  
Concen: 2.931 ng  
RT: 10.621 min Scan# 1493  
Delta R.T. -0.247 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

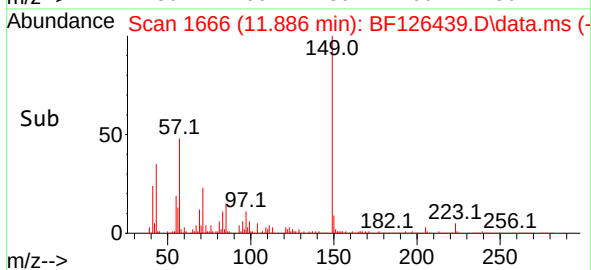
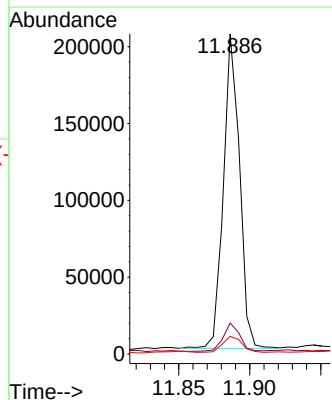
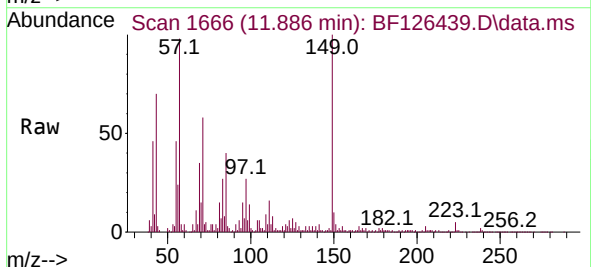
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A

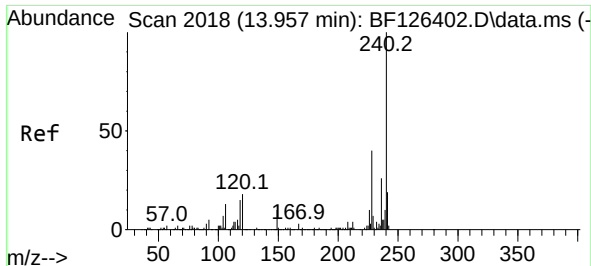
Tgt Ion:248 Resp: 10505  
Ion Ratio Lower Upper  
248 100  
250 206.2 76.2 114.4#  
141 658.9 66.2 99.4#



#74  
Di-n-butylphthalate  
Concen: 6.999 ng  
RT: 11.886 min Scan# 1666  
Delta R.T. -0.000 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

Tgt Ion:149 Resp: 161186  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.2 10.8  
104 5.5 4.2 6.2

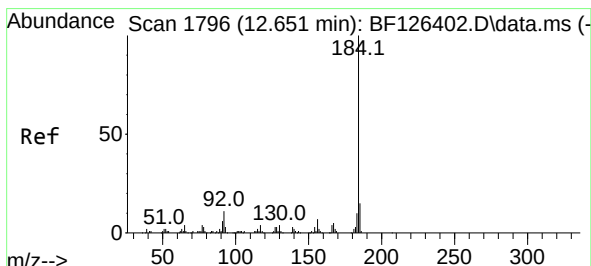
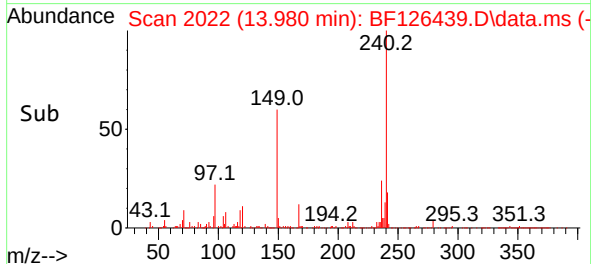
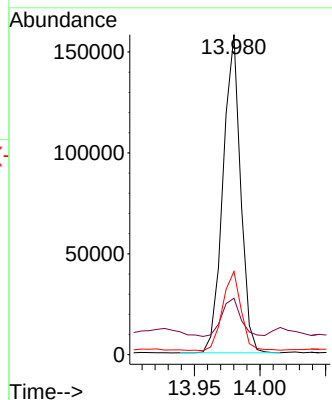
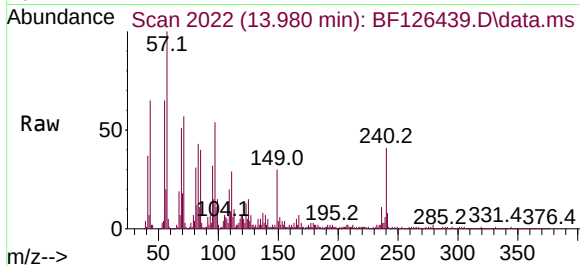




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 20  
Delta R.T. 0.024 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

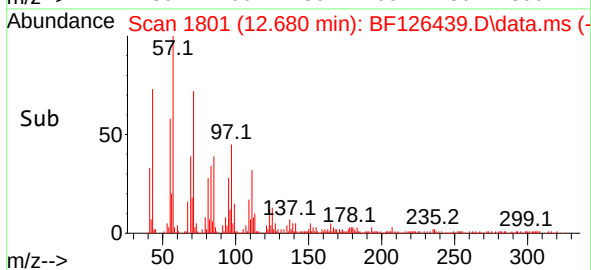
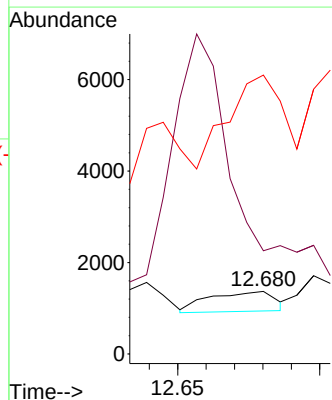
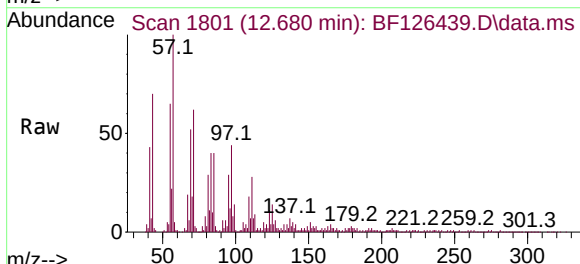
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A

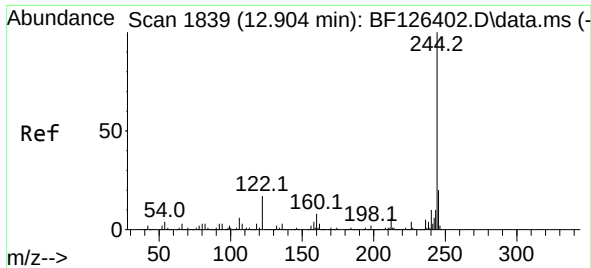
Tgt Ion:240 Resp: 146267  
Ion Ratio Lower Upper  
240 100  
120 17.7 14.4 21.6  
236 26.0 20.5 30.7



#77  
Benzidine  
Concen: Below Cal  
RT: 12.680 min Scan# 1801  
Delta R.T. 0.029 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

Tgt Ion:184 Resp: 707  
Ion Ratio Lower Upper  
184 100  
185 164.9 11.8 17.8#  
183 445.4 8.2 12.2#

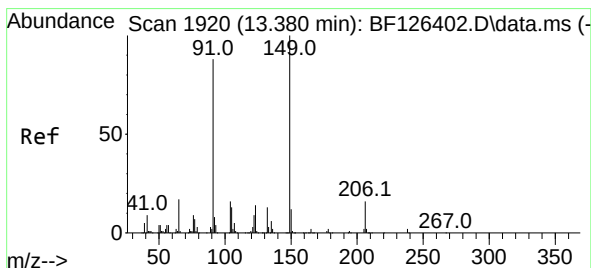
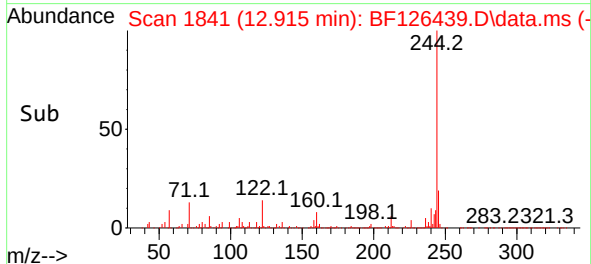
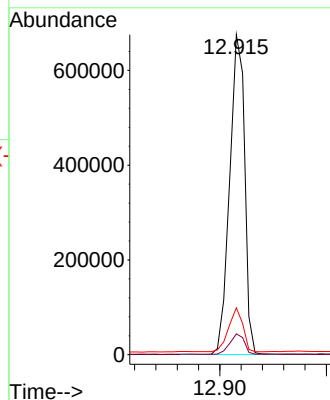
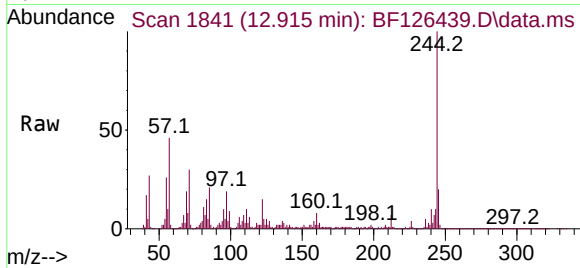




#79  
 Terphenyl-d14  
 Concen: 87.743 ng  
 RT: 12.915 min Scan# 1841  
 Delta R.T. 0.012 min  
 Lab File: BF126439.D  
 Acq: 31 Dec 2021 1:47

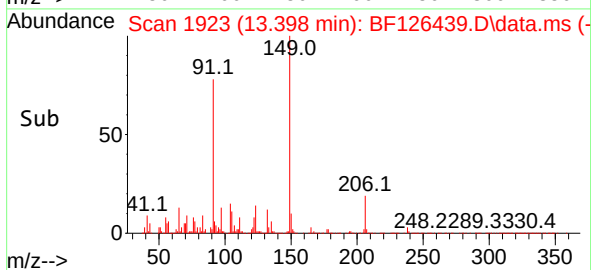
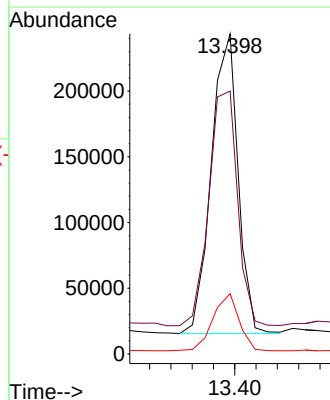
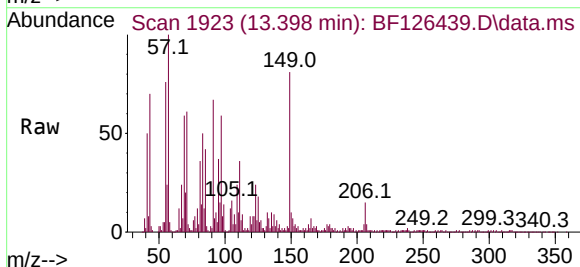
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-5A

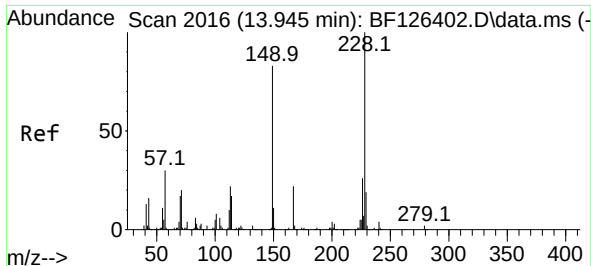
Tgt Ion:244 Resp: 660540  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 14.7 13.3 19.9



#80  
 Butylbenzylphthalate  
 Concen: 36.308 ng  
 RT: 13.398 min Scan# 1923  
 Delta R.T. 0.018 min  
 Lab File: BF126439.D  
 Acq: 31 Dec 2021 1:47

Tgt Ion:149 Resp: 198870  
 Ion Ratio Lower Upper  
 149 100  
 91 82.2 70.5 105.7  
 206 18.8 12.6 19.0

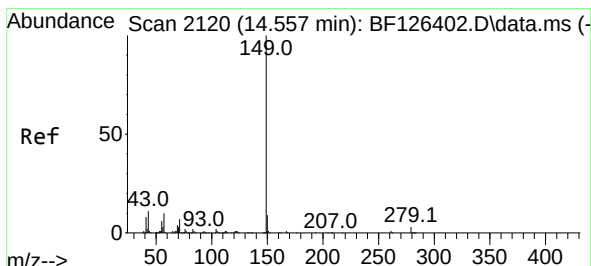
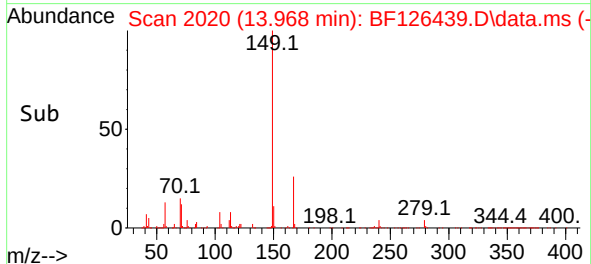
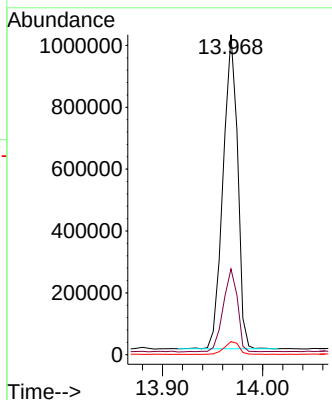
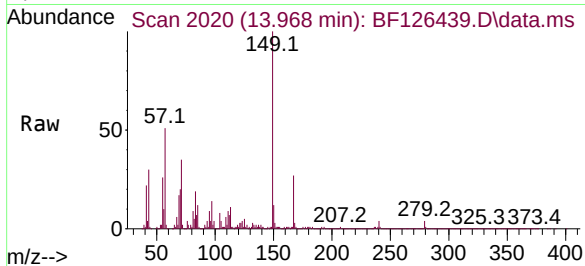




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 179.979 ng  
RT: 13.968 min Scan# 2016  
Delta R.T. 0.024 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

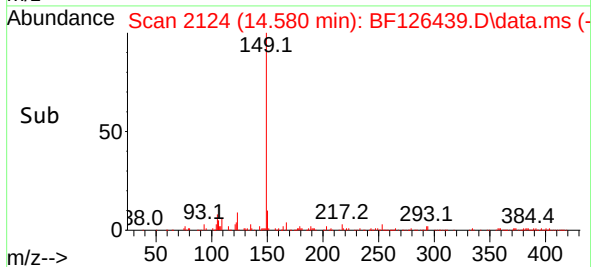
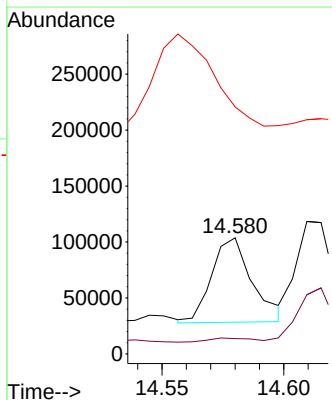
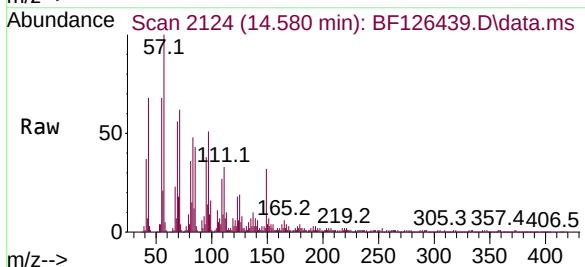
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A

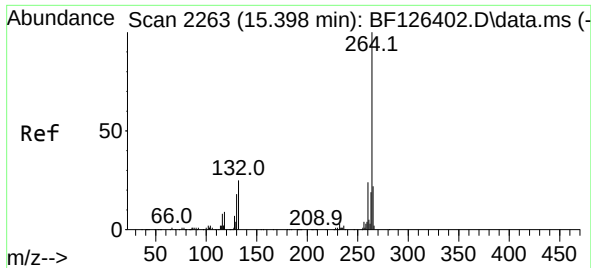
Tgt Ion:149 Resp: 1021640  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.4 32.2  
279 4.1 2.4 3.6#



#85  
Di-n-octyl phthalate  
Concen: 8.906 ng  
RT: 14.580 min Scan# 2124  
Delta R.T. 0.024 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

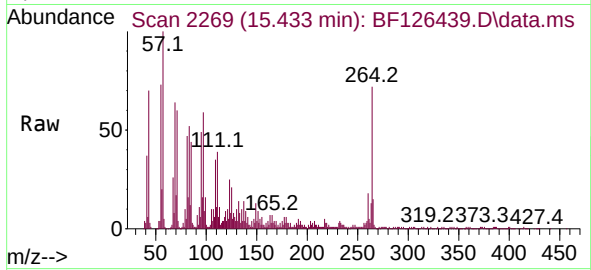
Tgt Ion:149 Resp: 87675  
Ion Ratio Lower Upper  
149 100  
167 6.6 1.1 1.7#  
43 0.0 9.9 14.9#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.433 min Scan# 21  
Delta R.T. 0.035 min  
Lab File: BF126439.D  
Acq: 31 Dec 2021 1:47

Instrument :  
BNA\_F  
ClientSampleId :  
CONC-5A



Tgt Ion:264 Resp: 145188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.9  | 19.2  | 28.8  |
| 265 | 20.9  | 17.4  | 26.2  |

