

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020723\  
 Data File : BF132351.D  
 Acq On : 07 Feb 2023 18:43  
 Operator : CG\JU  
 Sample : 01463-19  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-7

Quant Time: Feb 08 04:00:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 07 04:05:36 2023  
 Response via : Initial Calibration

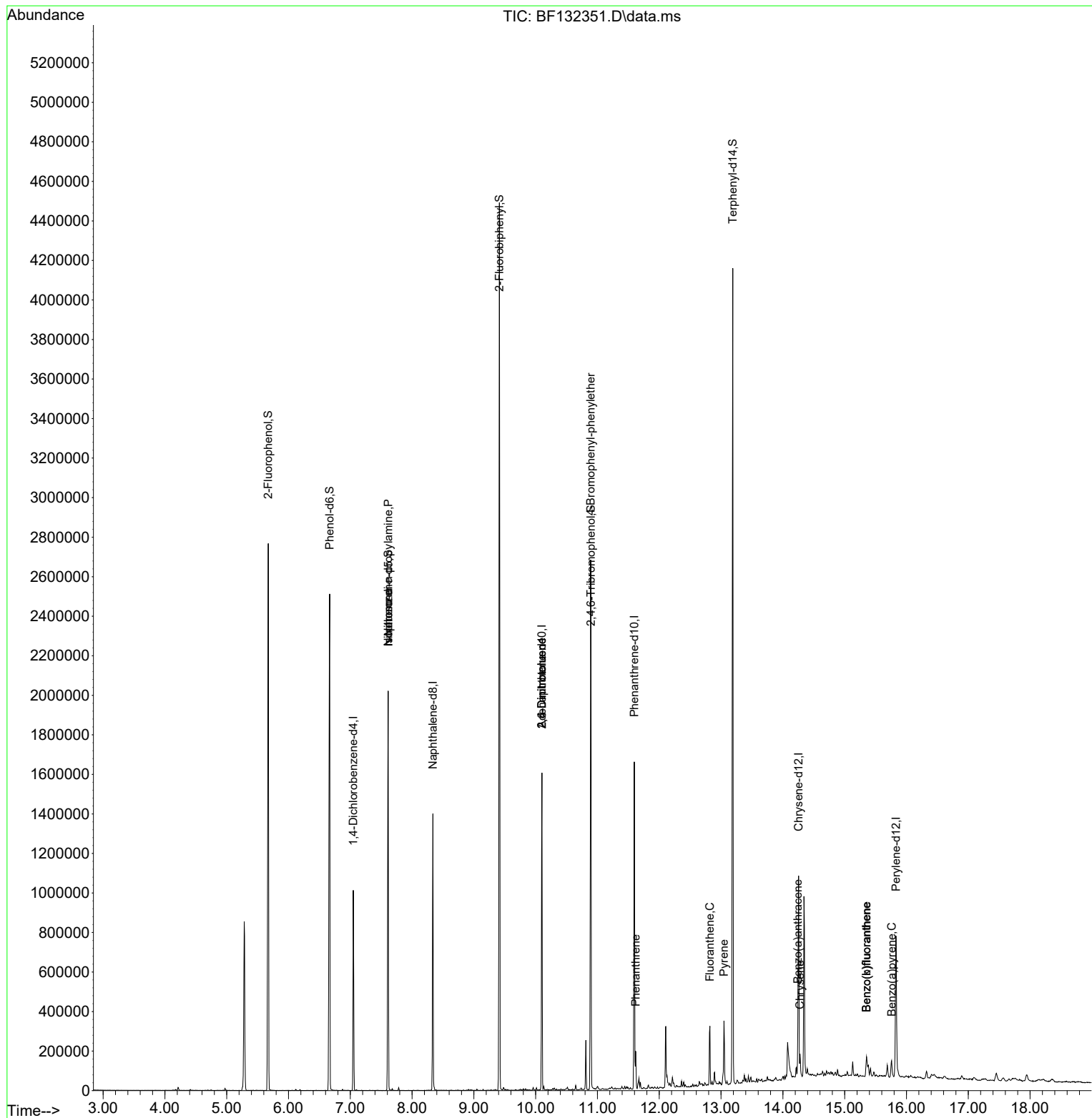
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.048  | 152  | 149405   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.336  | 136  | 578863   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.101 | 164  | 301472   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.595 | 188  | 561812   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.254 | 240  | 302813   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.830 | 264  | 339619   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.672  | 112  | 869649   | 93.563    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.666  | 99   | 1068850  | 93.274    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.613  | 82   | 640359   | 61.559    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.895 | 330  | 343106   | 110.671   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.413  | 172  | 1281186  | 65.627    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.189 | 244  | 1346050  | 85.987    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.601  | 77   | 177      | Below Cal | #     | 73       |
| 19) n-Nitroso-di-n-propyla... | 7.613  | 70   | 77437    | 11.897    | ng    | # 76     |
| 25) Isophorone                | 7.613  | 82   | 640352   | 32.433    | ng    | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.101 | 165  | 39117    | 8.306     | ng    | # 24     |
| 57) 2,4-Dinitrotoluene        | 10.101 | 165  | 39117    | 6.394     | ng    | # 23     |
| 67) 4-Bromophenyl-phenylether | 10.889 | 248  | 19527    | 3.394     | ng    | # 1      |
| 71) Phenanthrene              | 11.619 | 178  | 62894    | 2.142     | ng    | 99       |
| 75) Fluoranthene              | 12.819 | 202  | 109852   | 3.667     | ng    | 96       |
| 78) Pyrene                    | 13.048 | 202  | 121930   | 5.006     | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.242 | 228  | 49816    | 2.352     | ng    | 98       |
| 83) Chrysene                  | 14.277 | 228  | 43120    | 2.174     | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.354 | 252  | 84131    | 3.897     | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.354 | 252  | 84131    | 4.083     | ng    | # 96     |
| 90) Benzo(a)pyrene            | 15.759 | 252  | 45299    | 2.253     | ng    | 98       |
| -----                         |        |      |          |           |       |          |

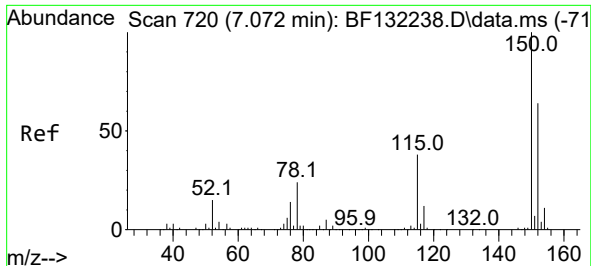
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020723\  
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ALS Vial : 12 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
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Quant Time: Feb 08 04:00:57 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 07 04:05:36 2023  
Response via : Initial Calibration

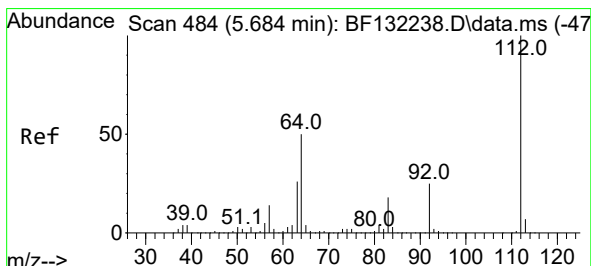
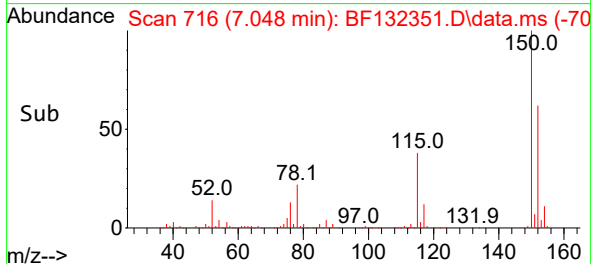
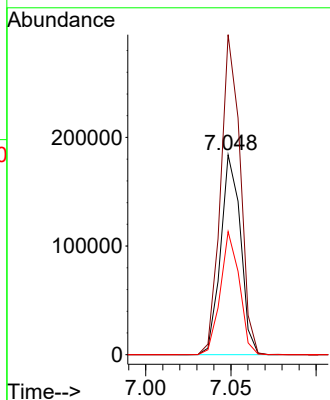
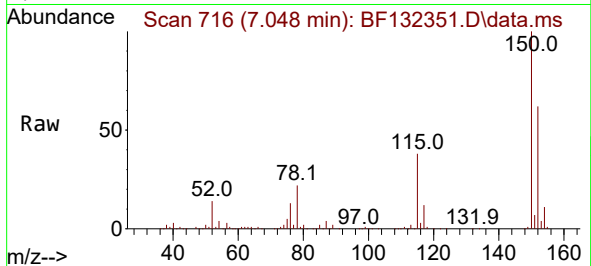




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.048 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF132351.D  
 Acq: 07 Feb 2023 18:43

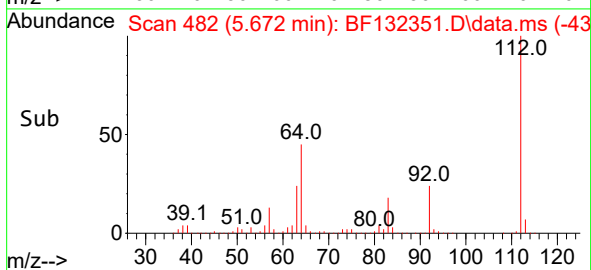
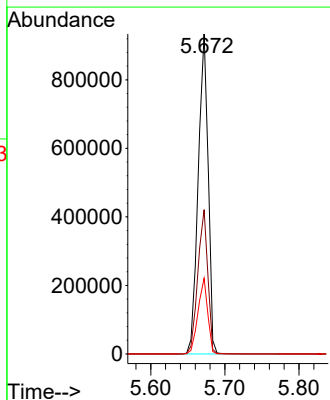
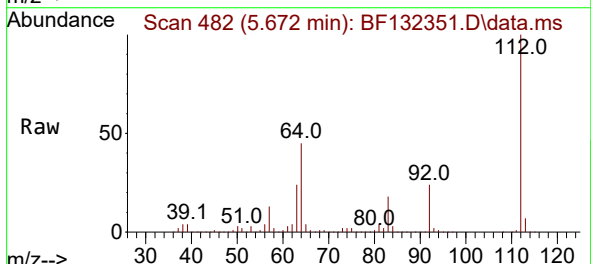
Instrument :  
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 ClientSampleId :  
 COMP-7

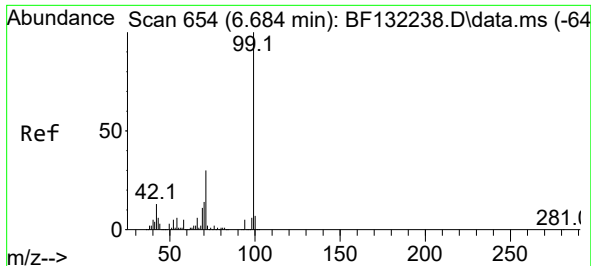
Tgt Ion:152 Resp: 149405  
 Ion Ratio Lower Upper  
 152 100  
 150 160.2 124.2 186.2  
 115 61.6 47.3 70.9



#5  
 2-Fluorophenol  
 Concen: 93.563 ng  
 RT: 5.672 min Scan# 482  
 Delta R.T. 0.006 min  
 Lab File: BF132351.D  
 Acq: 07 Feb 2023 18:43

Tgt Ion:112 Resp: 869649  
 Ion Ratio Lower Upper  
 112 100  
 64 45.1 40.0 60.0  
 63 23.7 20.5 30.7

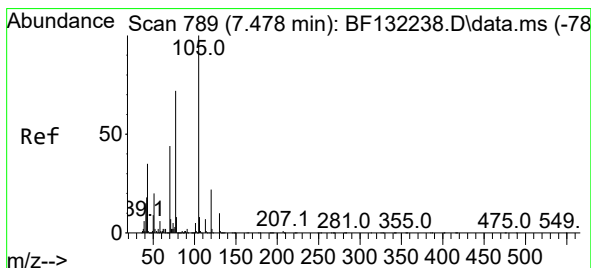
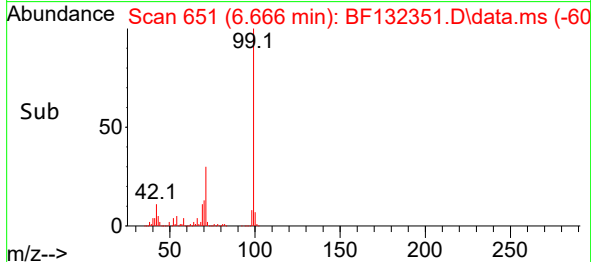
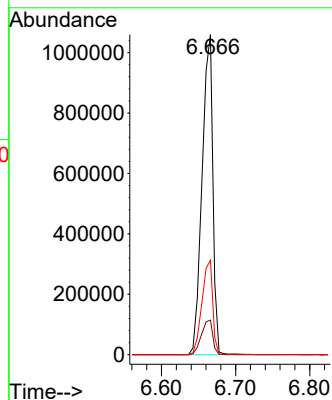
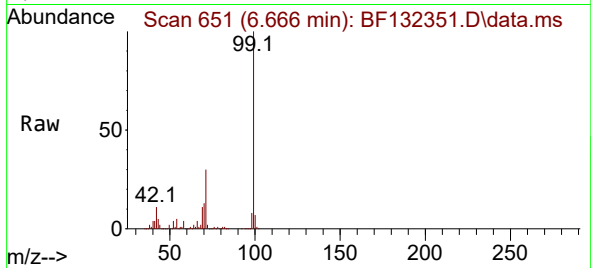




#7  
Phenol-d6  
Concen: 93.274 ng  
RT: 6.666 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

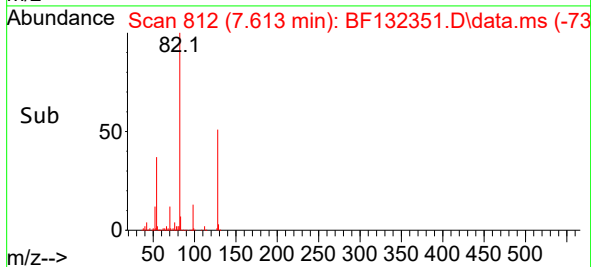
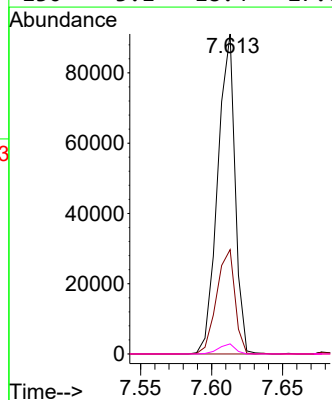
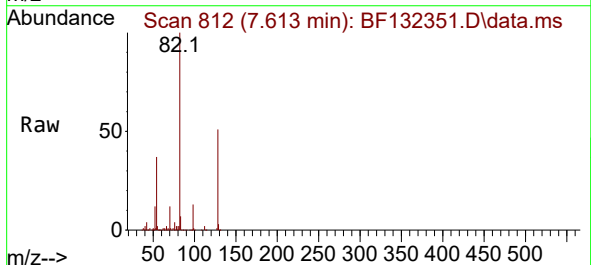
Instrument :  
BNA\_F  
ClientSampleId :  
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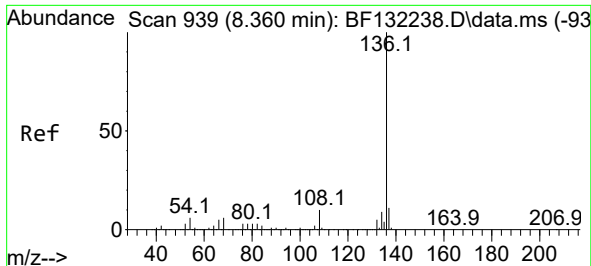
Tgt Ion: 99 Resp: 1068850  
Ion Ratio Lower Upper  
99 100  
42 10.8 10.1 15.1  
71 29.5 24.2 36.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.897 ng  
RT: 7.613 min Scan# 812  
Delta R.T. 0.153 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion: 70 Resp: 77437  
Ion Ratio Lower Upper  
70 100  
42 32.6 33.4 50.0#  
101 0.0 8.2 12.4#  
130 3.1 18.4 27.6#

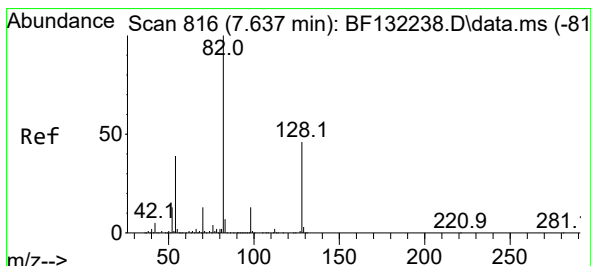
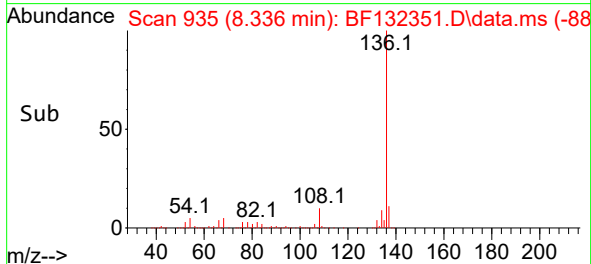
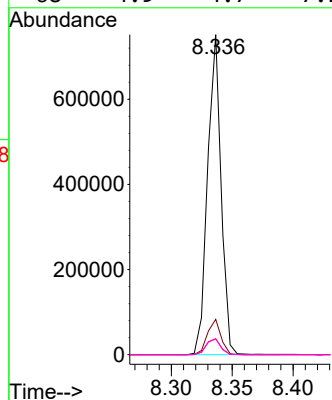
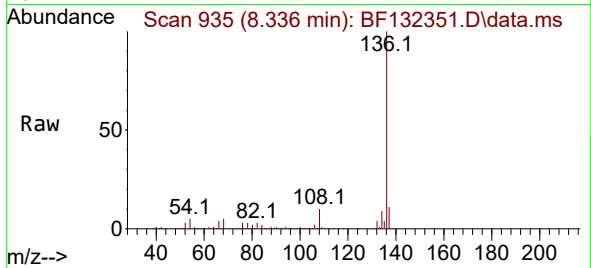




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.336 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

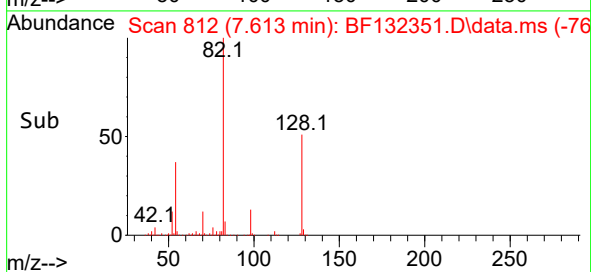
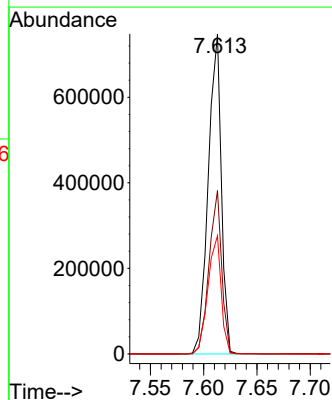
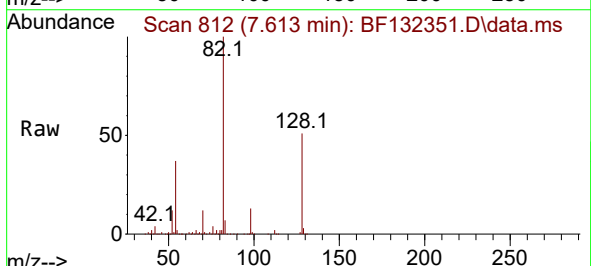
Instrument :  
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ClientSampleId :  
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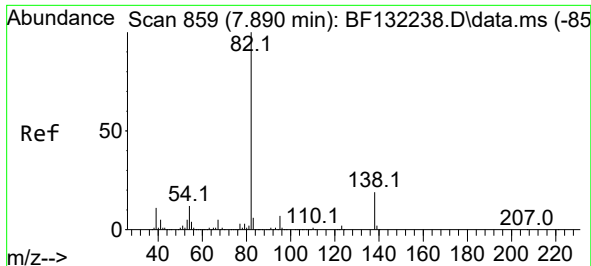
Tgt Ion:136 Resp: 578863  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 5.0 4.9 7.3  
68 4.9 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 61.559 ng  
RT: 7.613 min Scan# 812  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion: 82 Resp: 640359  
Ion Ratio Lower Upper  
82 100  
128 51.1 37.0 55.4  
54 36.9 31.5 47.3

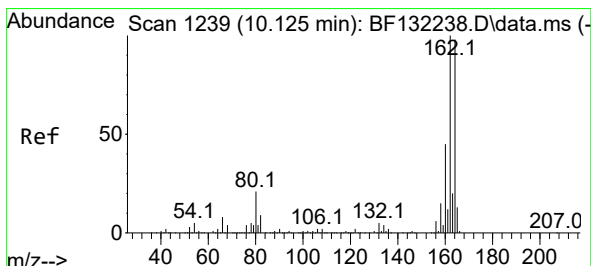
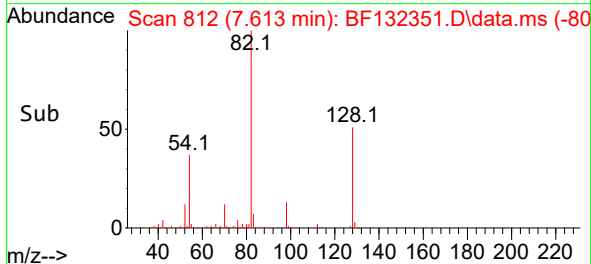
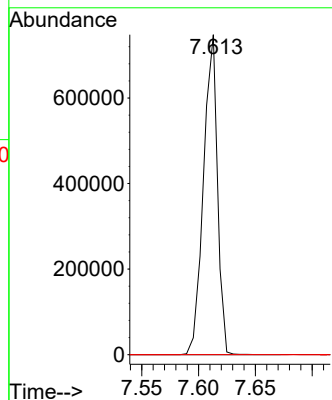
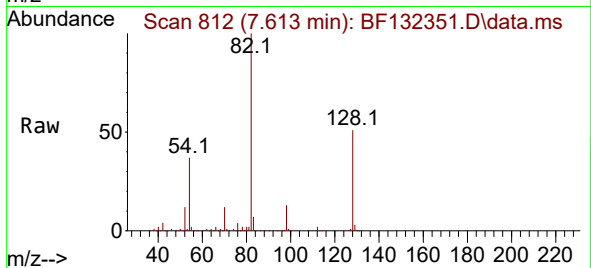




#25  
Isophorone  
Concen: 32.433 ng  
RT: 7.613 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

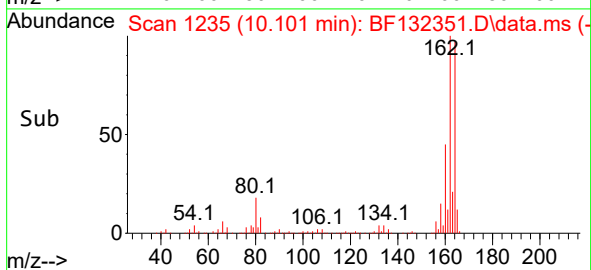
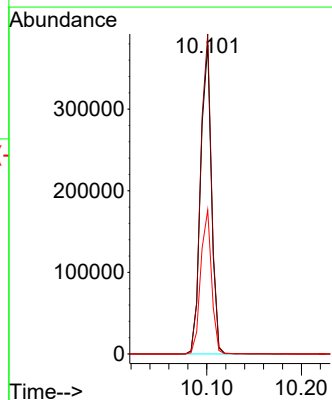
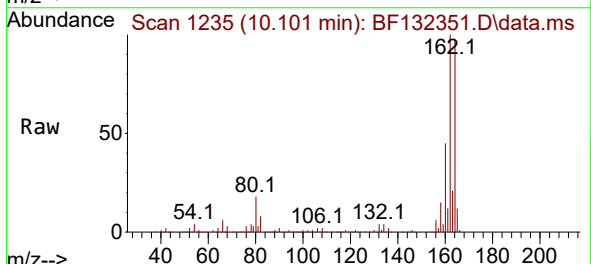
Instrument :  
BNA\_F  
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Tgt Ion: 82 Resp: 640352  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 15.0 22.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.101 min Scan# 1235  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion: 164 Resp: 301472  
Ion Ratio Lower Upper  
164 100  
162 103.6 82.0 123.0  
160 46.6 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 110.671 ng

RT: 10.895 min Scan# 1118

Delta R.T. -0.006 min

Lab File: BF132351.D

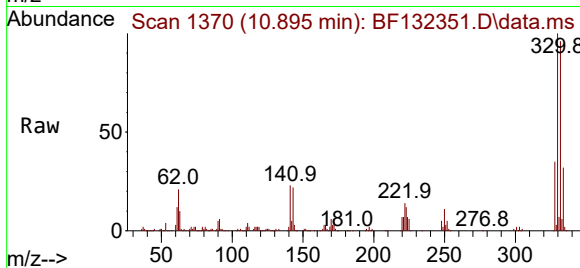
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Instrument :

BNA\_F

ClientSampleId :

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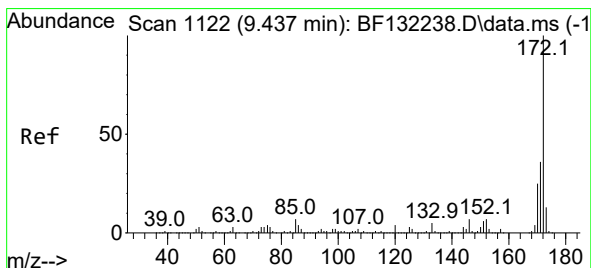
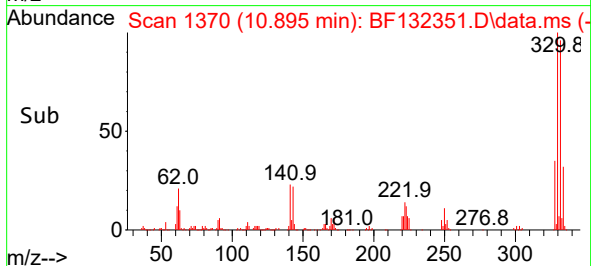
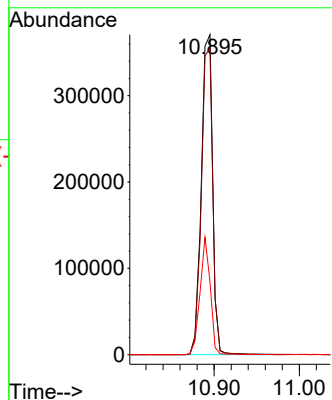
Tgt Ion:330 Resp: 343106

Ion Ratio Lower Upper

330 100

332 96.0 77.9 116.9

141 33.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 65.627 ng

RT: 9.413 min Scan# 1118

Delta R.T. -0.006 min

Lab File: BF132351.D

Acq: 07 Feb 2023 18:43

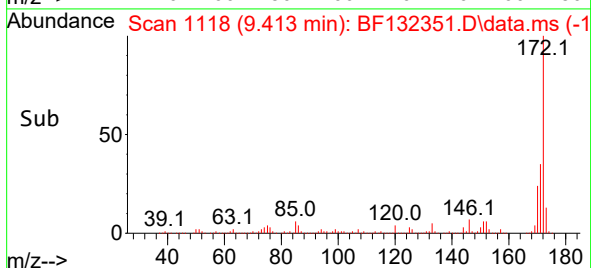
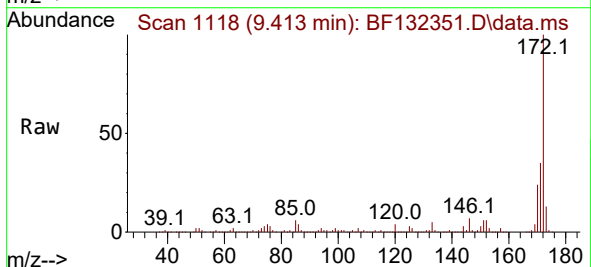
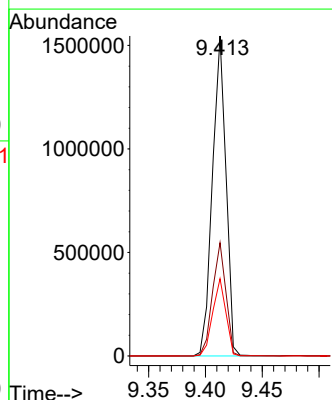
Tgt Ion:172 Resp: 1281186

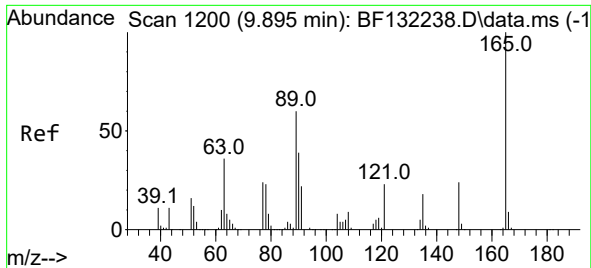
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 24.1 19.7 29.5

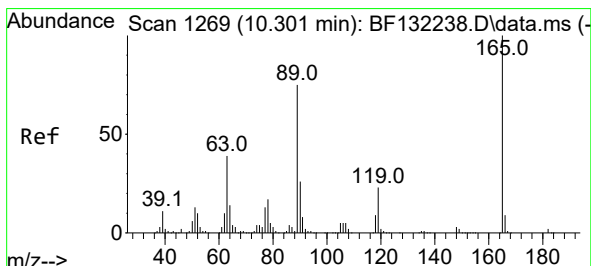
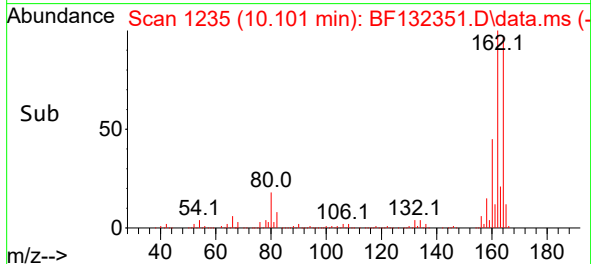
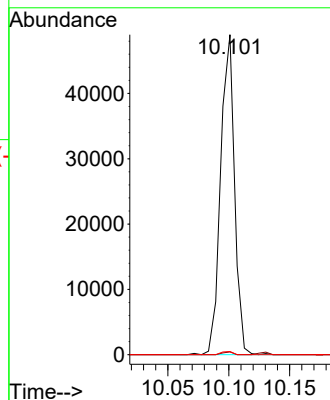
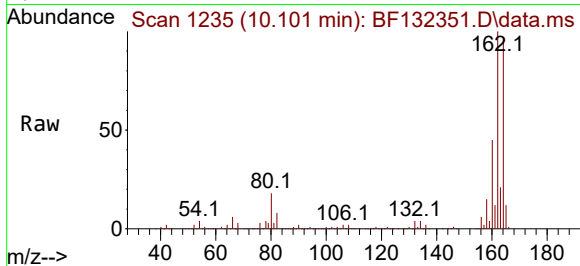




#51  
2,6-Dinitrotoluene  
Concen: 8.306 ng  
RT: 10.101 min Scan# 1235  
Delta R.T. 0.218 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

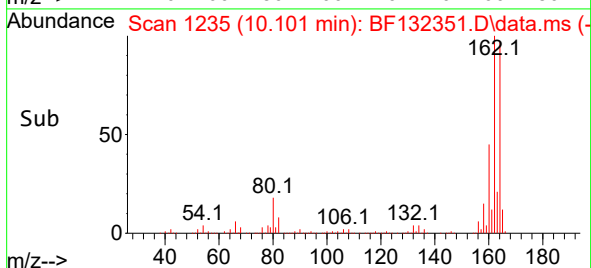
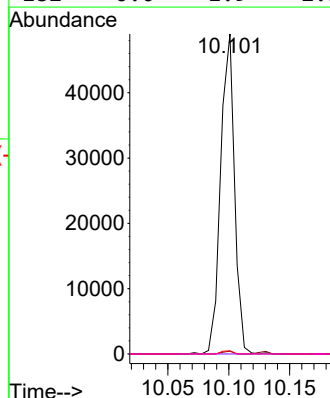
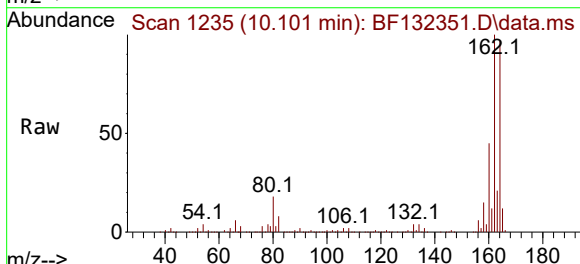
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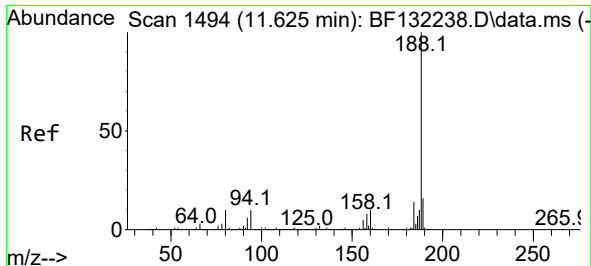
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Ion Ratio Lower Upper  
165 100  
63 0.9 41.5 62.3#  
89 1.0 48.1 72.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.394 ng  
RT: 10.101 min Scan# 1235  
Delta R.T. -0.182 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion:165 Resp: 39117  
Ion Ratio Lower Upper  
165 100  
63 0.9 30.9 46.3#  
89 1.0 60.1 90.1#  
182 0.0 1.9 2.9#

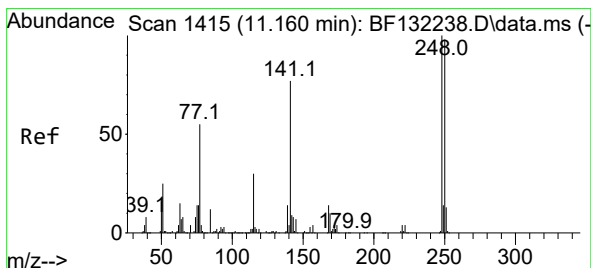
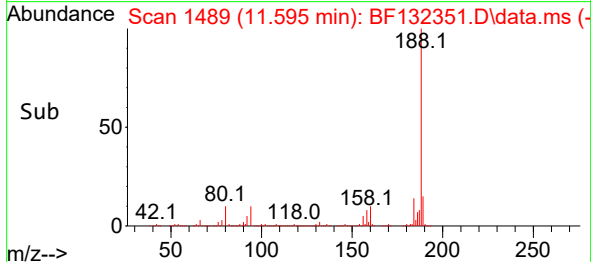
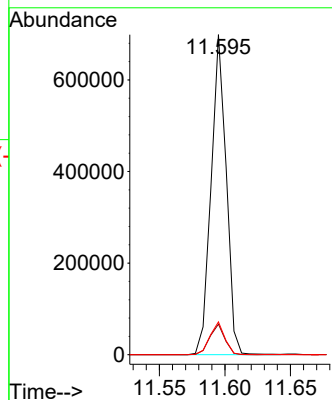
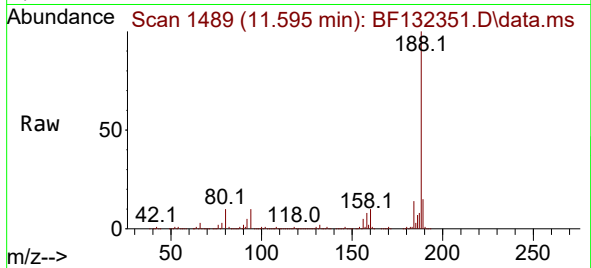




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.595 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

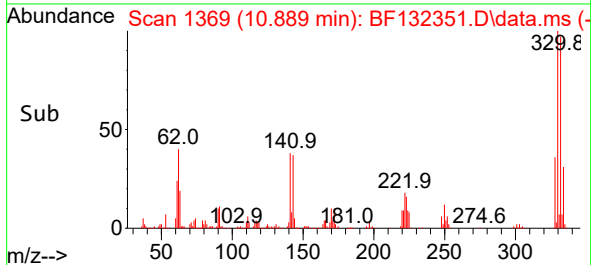
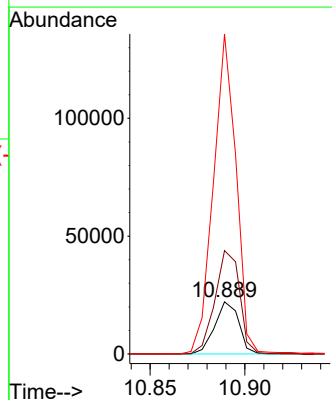
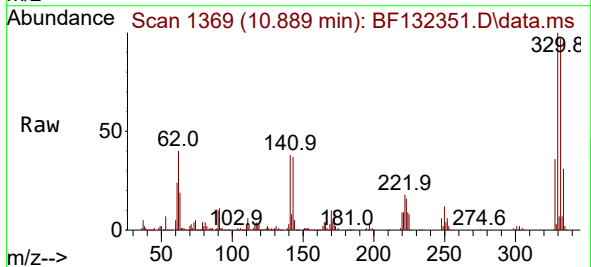
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-7

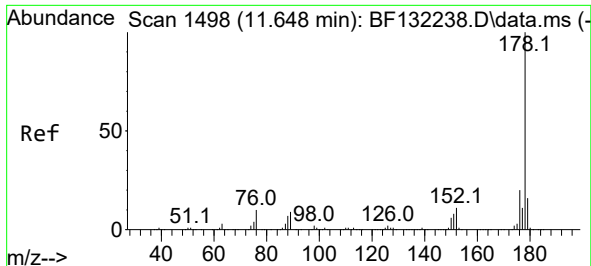
Tgt Ion:188 Resp: 561812  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.2 12.2  
80 10.3 8.3 12.5



#67  
4-Bromophenyl-phenylether  
Concen: 3.394 ng  
RT: 10.889 min Scan# 1369  
Delta R.T. -0.247 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion:248 Resp: 19527  
Ion Ratio Lower Upper  
248 100  
250 198.1 78.6 117.8#  
141 613.5 61.6 92.4#

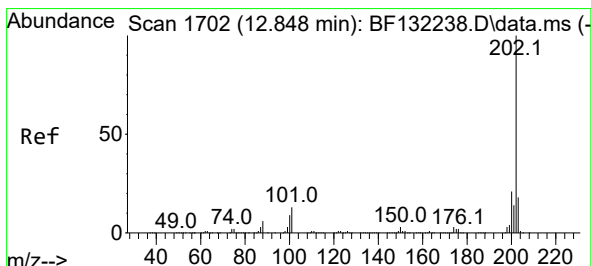
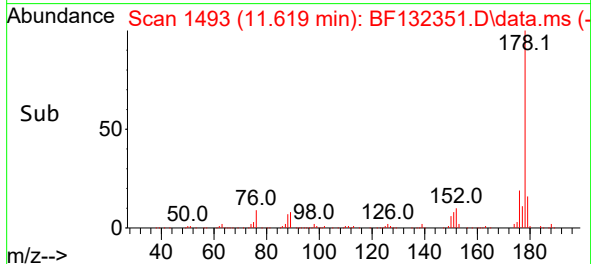
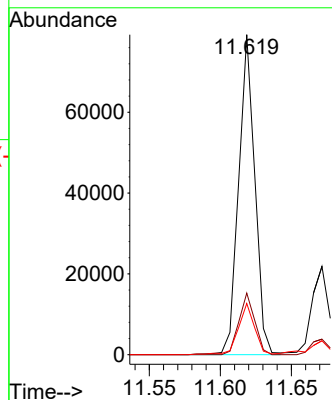
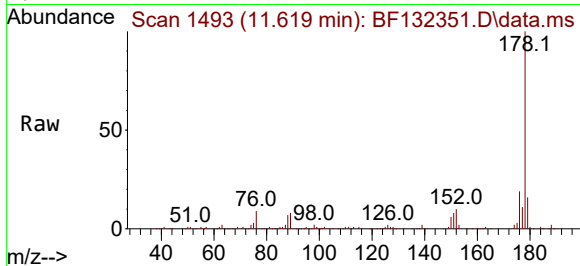




#71  
Phenanthrene  
Concen: 2.142 ng  
RT: 11.619 min Scan# 1498  
Delta R.T. -0.012 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

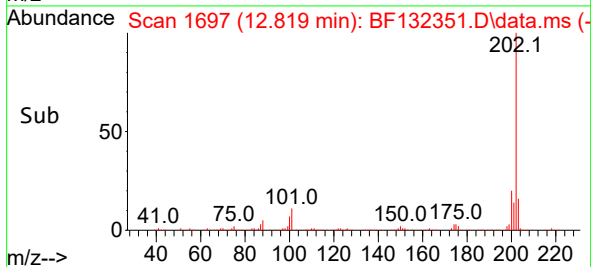
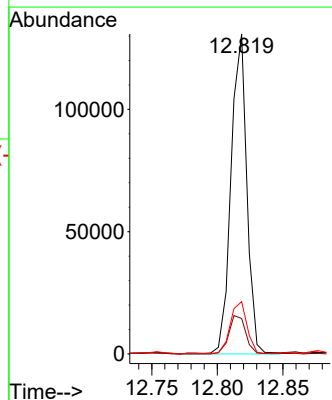
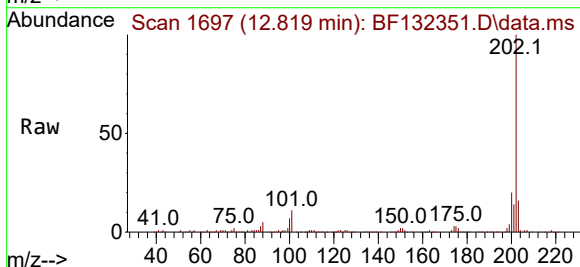
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-7

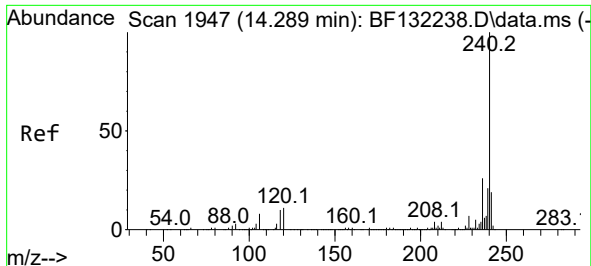
Tgt Ion:178 Resp: 62894  
Ion Ratio Lower Upper  
178 100  
176 19.3 16.2 24.4  
179 16.0 12.8 19.2



#75  
Fluoranthene  
Concen: 3.667 ng  
RT: 12.819 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion:202 Resp: 109852  
Ion Ratio Lower Upper  
202 100  
101 11.1 0.0 32.7  
203 16.4 0.0 37.9

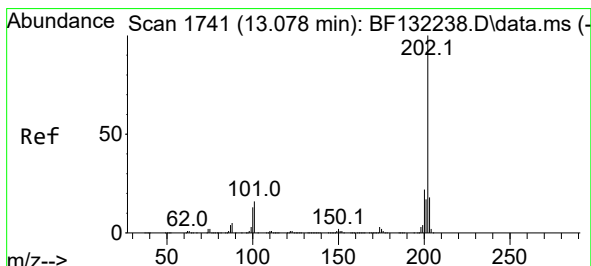
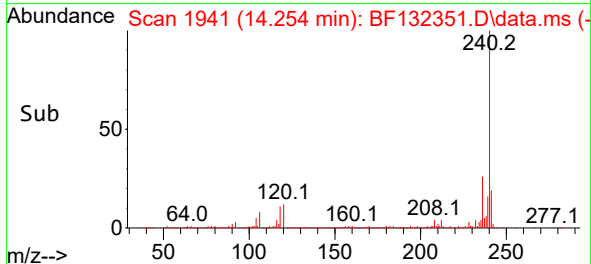
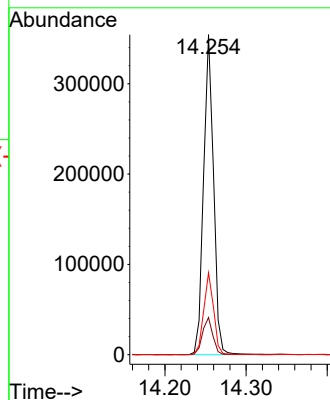
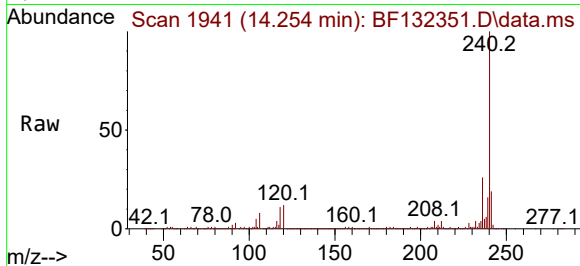




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.254 min Scan# 1941  
Delta R.T. -0.012 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

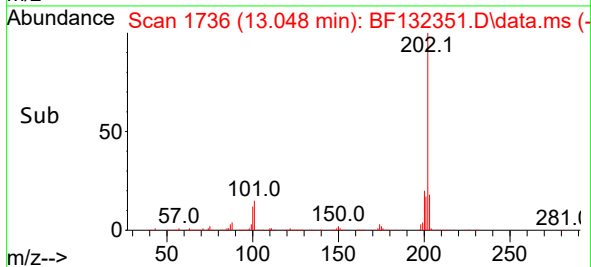
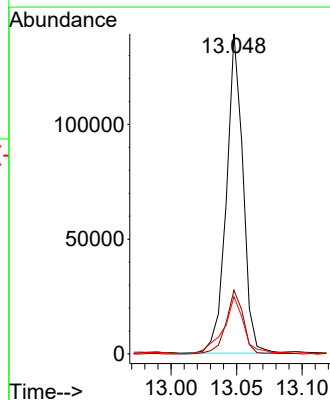
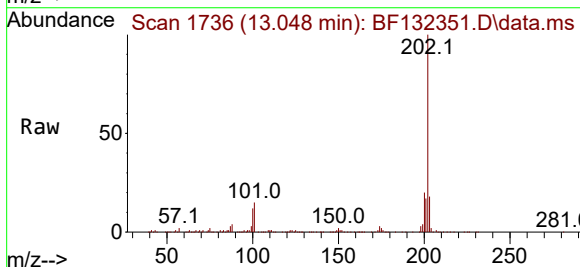
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-7

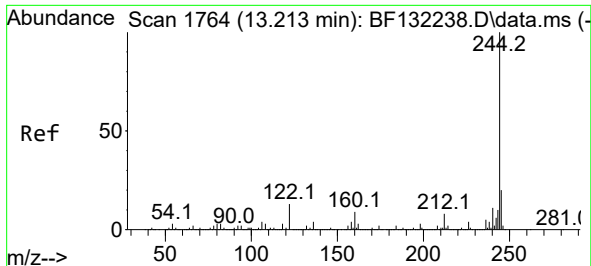
Tgt Ion:240 Resp: 302813  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.8 13.2  
236 25.6 21.0 31.6



#78  
Pyrene  
Concen: 5.006 ng  
RT: 13.048 min Scan# 1736  
Delta R.T. -0.012 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion:202 Resp: 121930  
Ion Ratio Lower Upper  
202 100  
200 19.9 17.3 25.9  
203 17.9 14.4 21.6

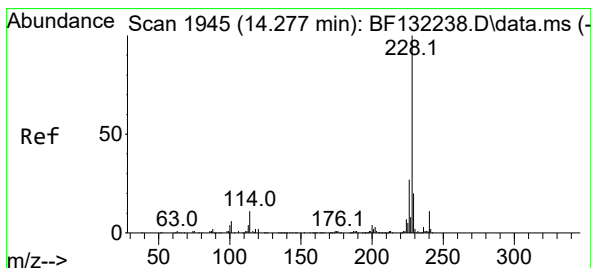
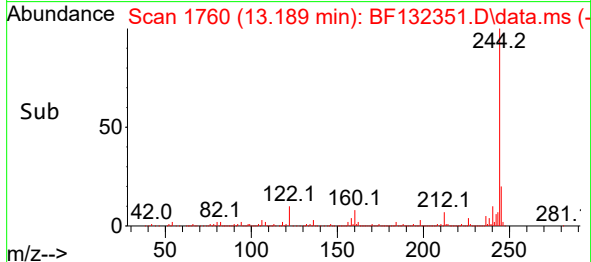
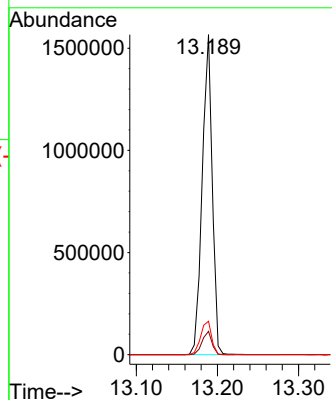
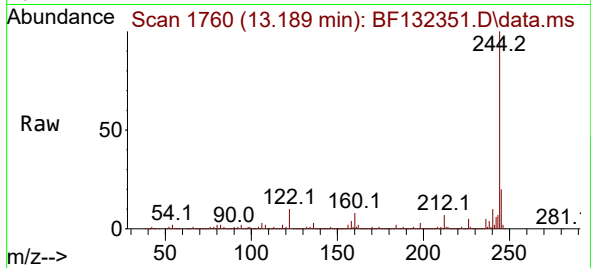




#79  
 Terphenyl-d14  
 Concen: 85.987 ng  
 RT: 13.189 min Scan# 1  
 Delta R.T. -0.006 min  
 Lab File: BF132351.D  
 Acq: 07 Feb 2023 18:43

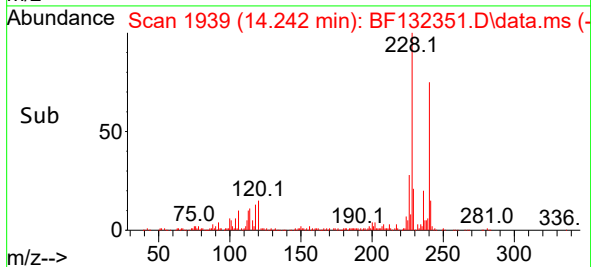
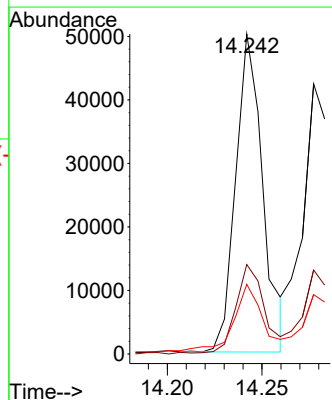
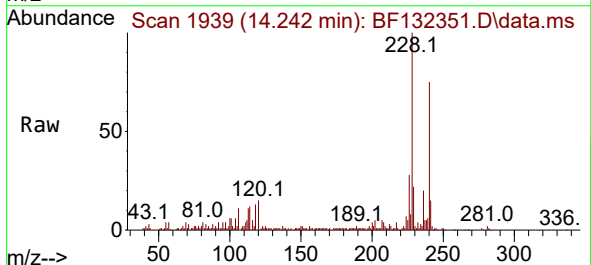
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-7

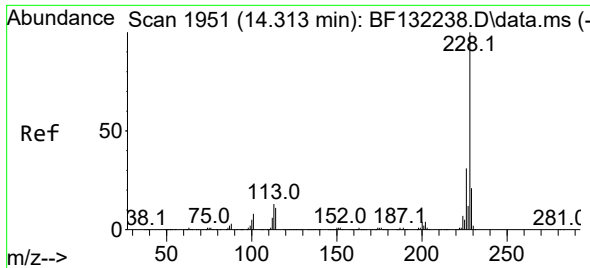
Tgt Ion:244 Resp: 1346050  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.4 9.6  
 122 10.5 10.5 15.7#



#81  
 Benzo(a)anthracene  
 Concen: 2.352 ng  
 RT: 14.242 min Scan# 1939  
 Delta R.T. -0.012 min  
 Lab File: BF132351.D  
 Acq: 07 Feb 2023 18:43

Tgt Ion:228 Resp: 49816  
 Ion Ratio Lower Upper  
 228 100  
 226 28.0 22.0 33.0  
 229 21.7 15.8 23.6

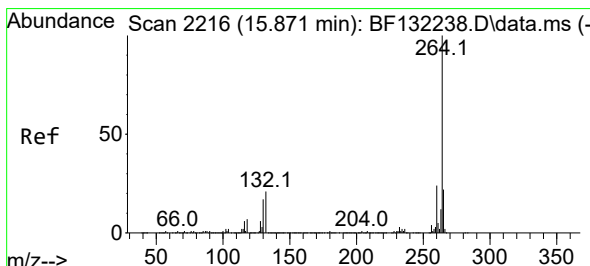
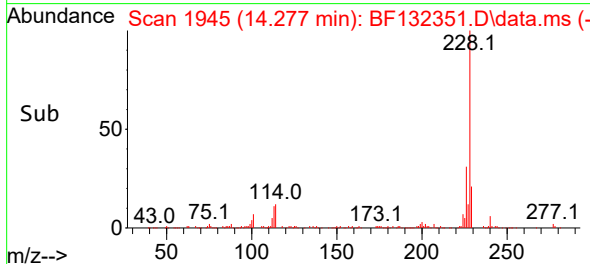
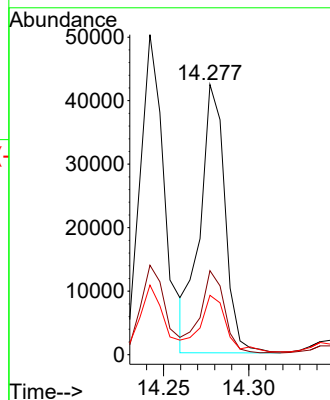
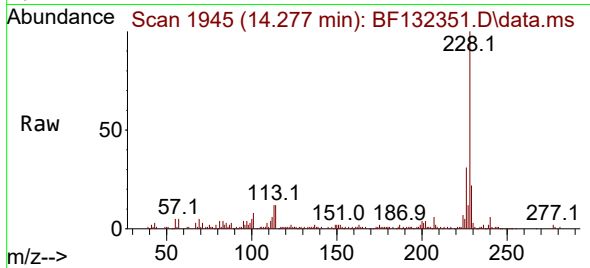




#83  
Chrysene  
Concen: 2.174 ng  
RT: 14.277 min Scan# 1945  
Delta R.T. -0.018 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

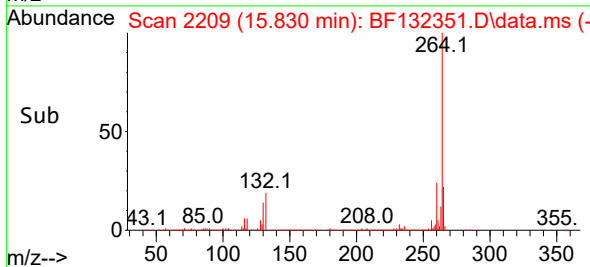
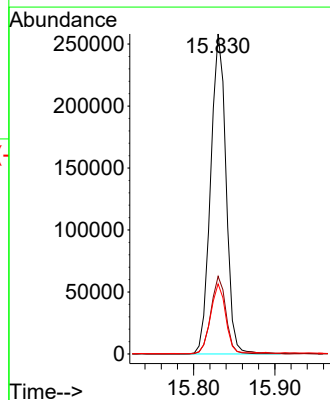
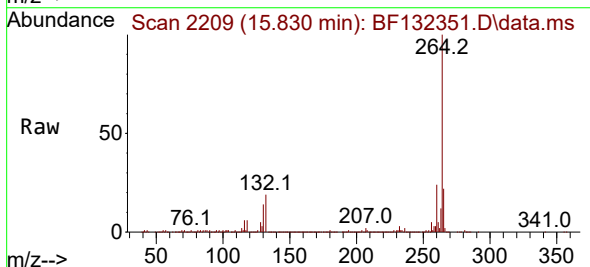
Instrument :  
BNA\_F  
ClientSampleId :  
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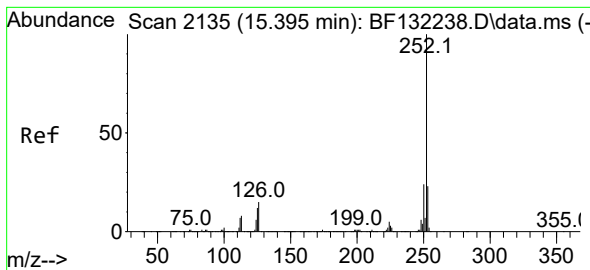
Tgt Ion:228 Resp: 43120  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.9 37.3  
229 22.0 16.4 24.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.830 min Scan# 2209  
Delta R.T. -0.006 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Tgt Ion:264 Resp: 339619  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.0 28.4  
265 21.9 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.897 ng

RT: 15.354 min Scan# 2135

Delta R.T. -0.012 min

Lab File: BF132351.D

Acq: 07 Feb 2023 18:43

Instrument :

BNA\_F

ClientSampleId :

COMP-7

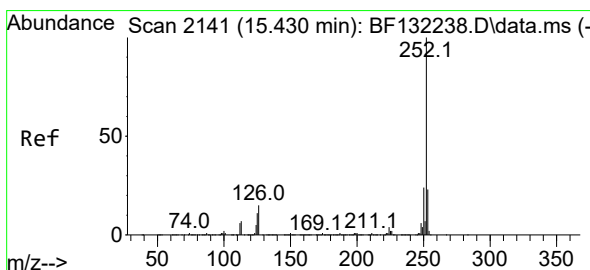
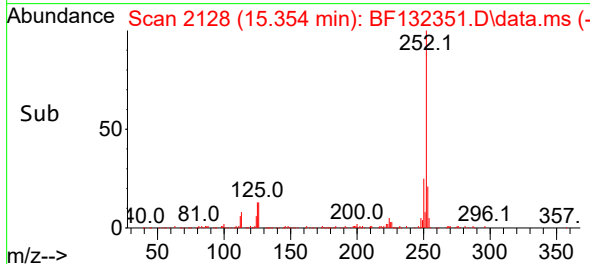
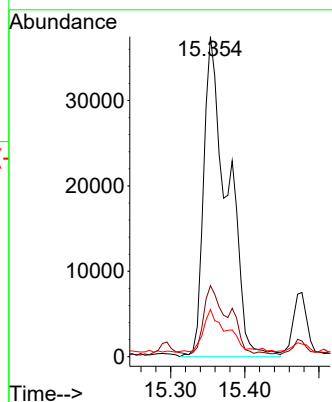
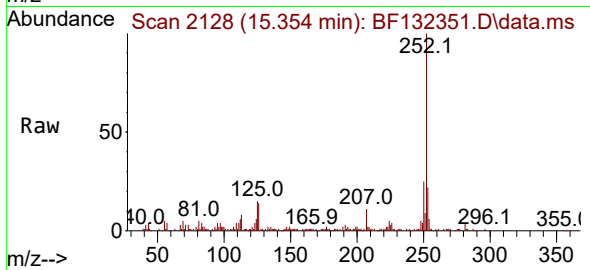
Tgt Ion:252 Resp: 84131

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 14.7 9.6 14.4#



#89

Benzo(k)fluoranthene

Concen: 4.083 ng

RT: 15.354 min Scan# 2128

Delta R.T. -0.047 min

Lab File: BF132351.D

Acq: 07 Feb 2023 18:43

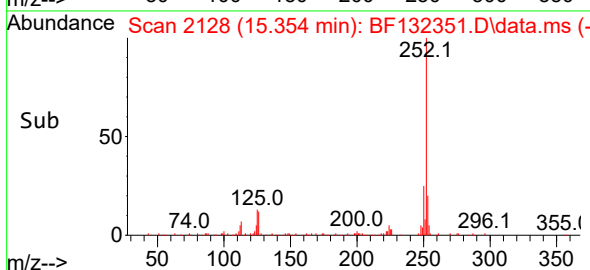
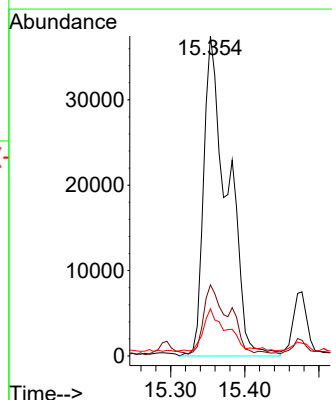
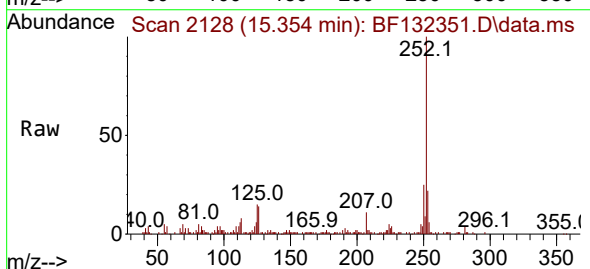
Tgt Ion:252 Resp: 84131

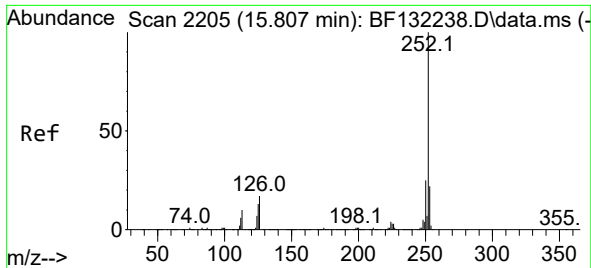
Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

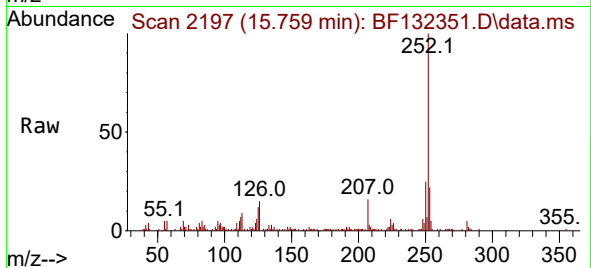
125 14.7 9.0 13.6#





#90  
Benzo(a)pyrene  
Concen: 2.253 ng  
RT: 15.759 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF132351.D  
Acq: 07 Feb 2023 18:43

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-7



Tgt Ion:252 Resp: 45299  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.8  
125 11.5 10.2 15.4

