

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121323\  
 Data File : BF136546.D  
 Acq On : 13 Dec 2023 19:45  
 Operator : CG\JU  
 Sample : 05551-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP11272023

Quant Time: Dec 14 01:44:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.792  | 152  | 107643   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.069  | 136  | 407531   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.828  | 164  | 195752   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.316 | 188  | 310059   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.968 | 240  | 216265   | 20.000 | ng    | #-0.01   |
| 86) Perylene-d12            | 15.451 | 264  | 219474   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.434  | 112  | 420852   | 57.740 | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 361505   | 39.752 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.357  | 82   | 528308   | 70.082 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.622 | 330  | 226962   | 94.033 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 1056886  | 73.671 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.916 | 244  | 975552   | 59.456 | ng    | 0.00     |

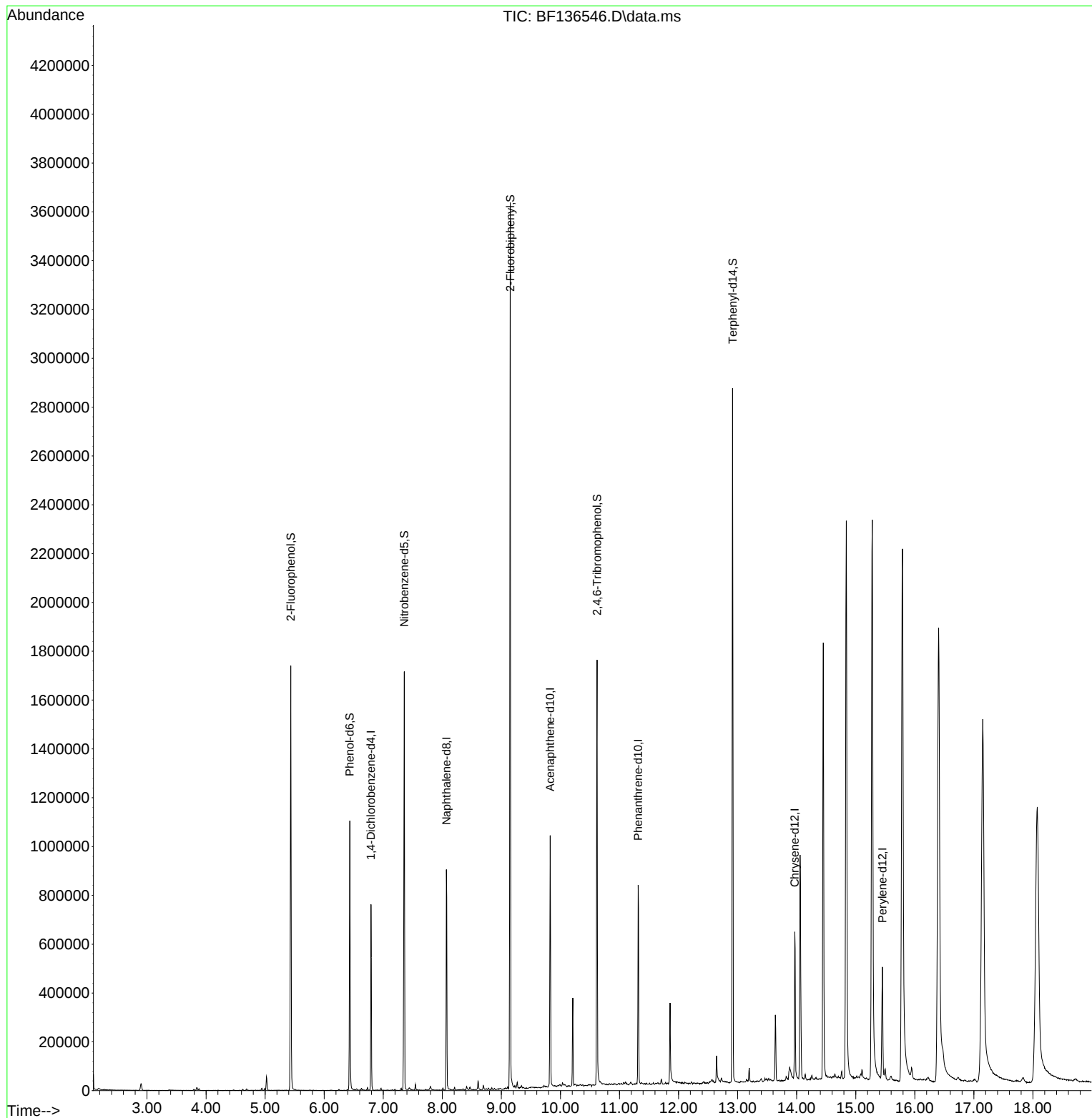
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

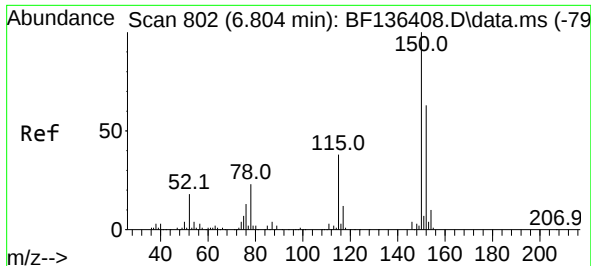
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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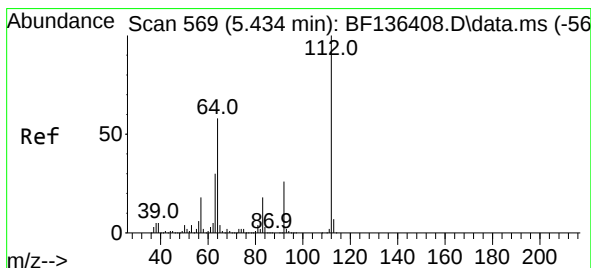
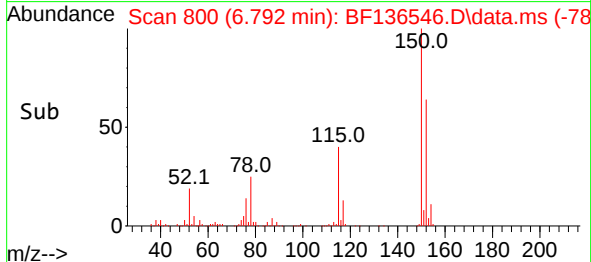
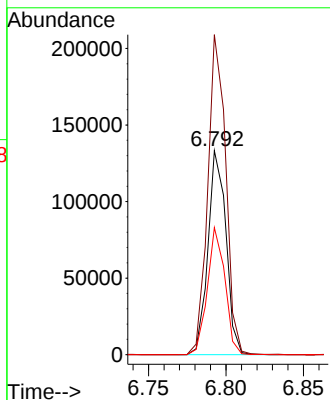
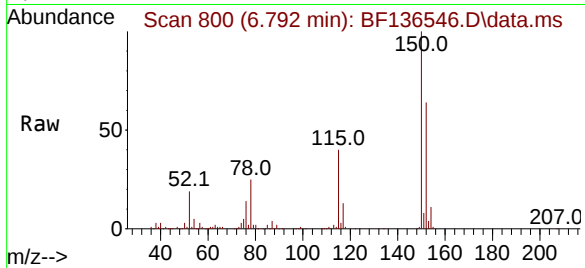




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.792 min Scan# 802  
 Delta R.T. -0.012 min  
 Lab File: BF136546.D  
 Acq: 13 Dec 2023 19:45

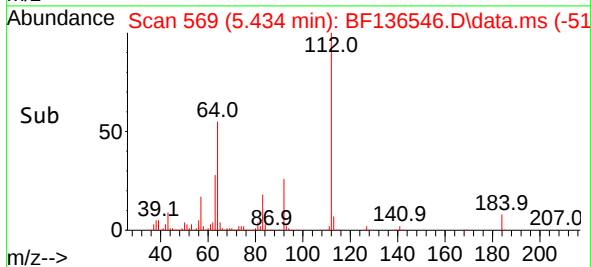
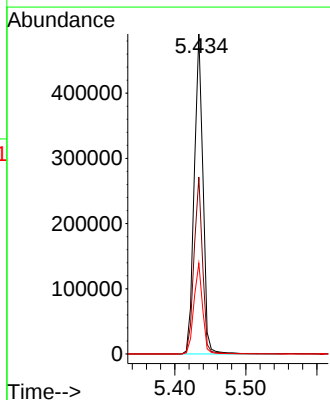
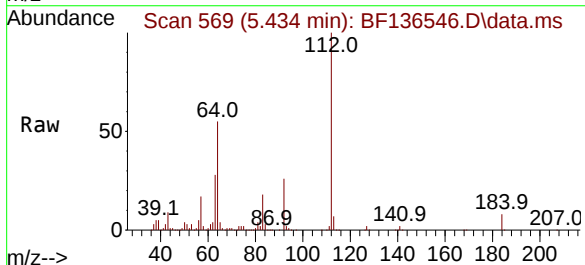
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP11272023

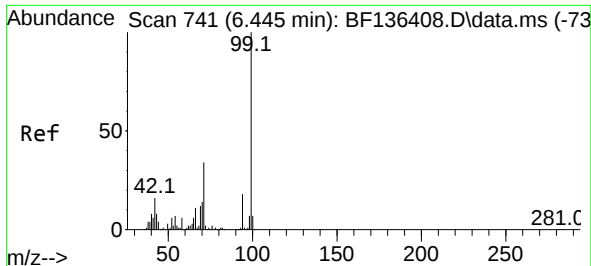
Tgt Ion:152 Resp: 107643  
 Ion Ratio Lower Upper  
 152 100  
 150 156.9 126.4 189.6  
 115 62.3 48.2 72.4



#5  
 2-Fluorophenol  
 Concen: 57.740 ng  
 RT: 5.434 min Scan# 569  
 Delta R.T. 0.000 min  
 Lab File: BF136546.D  
 Acq: 13 Dec 2023 19:45

Tgt Ion:112 Resp: 420852  
 Ion Ratio Lower Upper  
 112 100  
 64 55.3 46.5 69.7  
 63 28.4 23.9 35.9

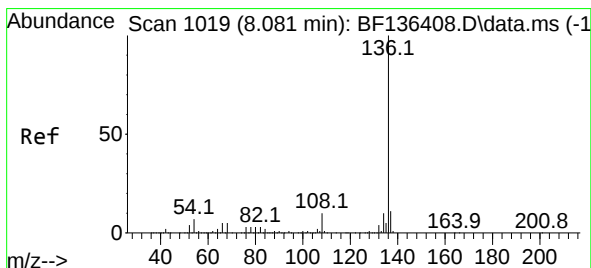
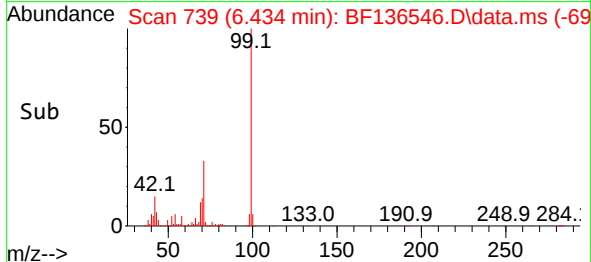
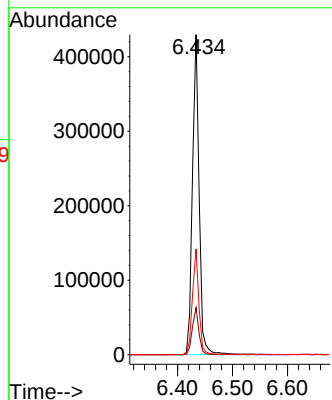
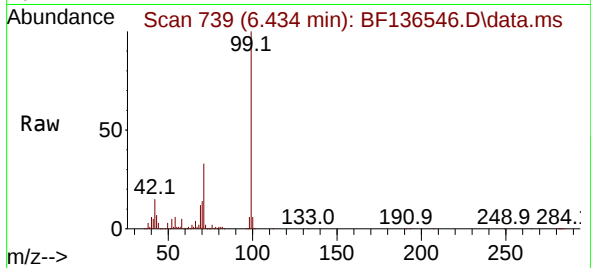




#7  
Phenol-d6  
Concen: 39.752 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136546.D  
Acq: 13 Dec 2023 19:45

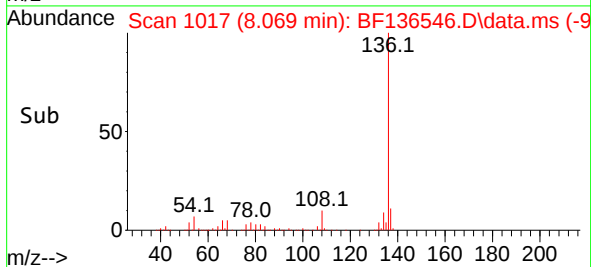
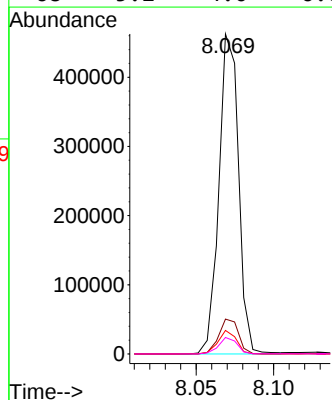
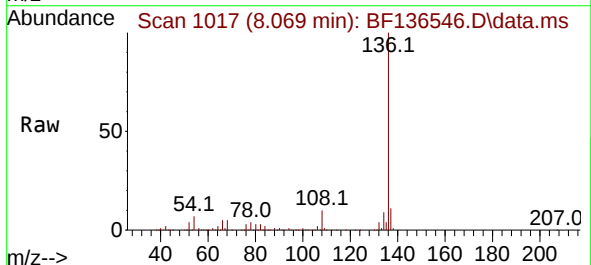
Instrument :  
BNA\_F  
ClientSampleId :  
DUP11272023

Tgt Ion: 99 Resp: 361505  
Ion Ratio Lower Upper  
99 100  
42 14.7 12.8 19.2  
71 33.0 27.0 40.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF136546.D  
Acq: 13 Dec 2023 19:45

Tgt Ion: 136 Resp: 407531  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 7.4 5.7 8.5  
68 5.2 4.0 6.0





#23

Nitrobenzene-d5

Concen: 70.082 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136546.D

Acq: 13 Dec 2023 19:45

Instrument :

BNA\_F

ClientSampleId :

DUP11272023

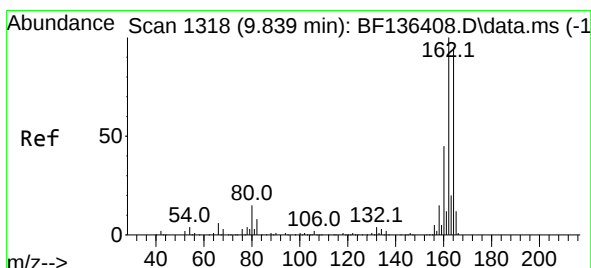
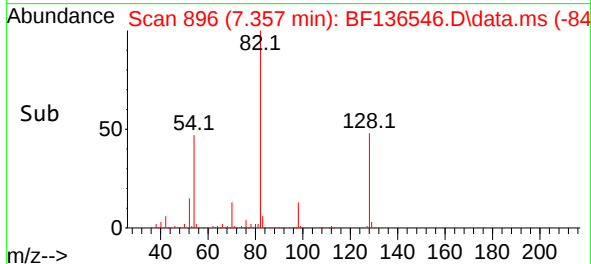
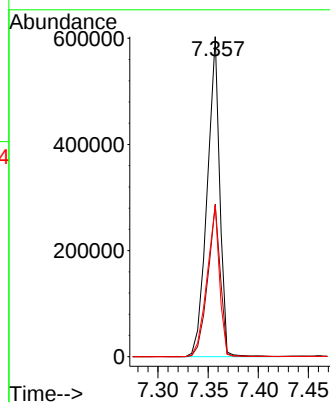
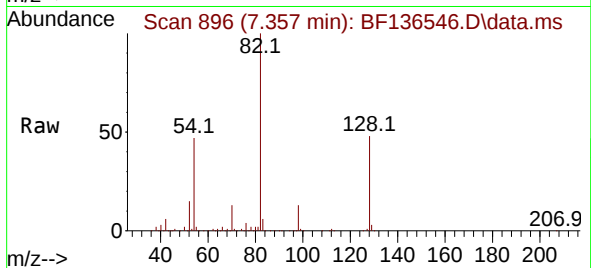
Tgt Ion: 82 Resp: 528308

Ion Ratio Lower Upper

82 100

128 47.6 36.3 54.5

54 47.4 39.0 58.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136546.D

Acq: 13 Dec 2023 19:45

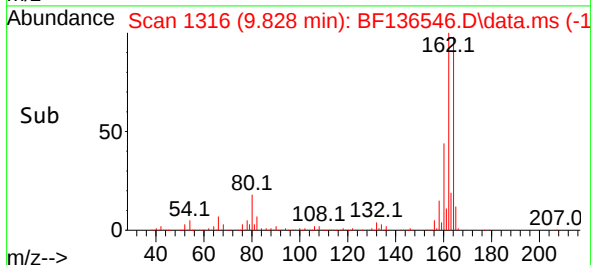
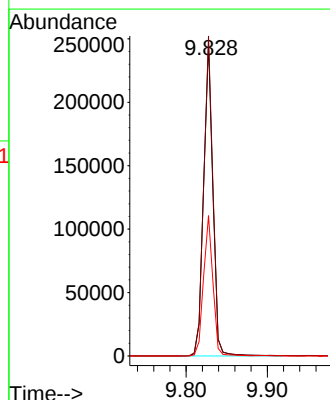
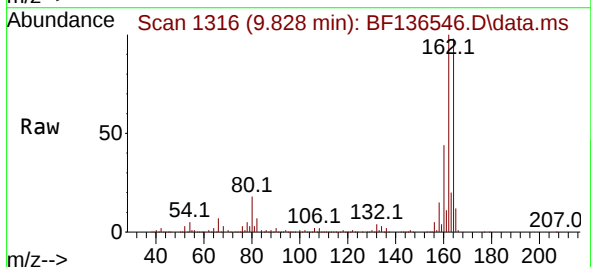
Tgt Ion: 164 Resp: 195752

Ion Ratio Lower Upper

164 100

162 102.5 84.4 126.6

160 45.0 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 94.033 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136546.D

Acq: 13 Dec 2023 19:45

Instrument :

BNA\_F

ClientSampleId :

DUP11272023

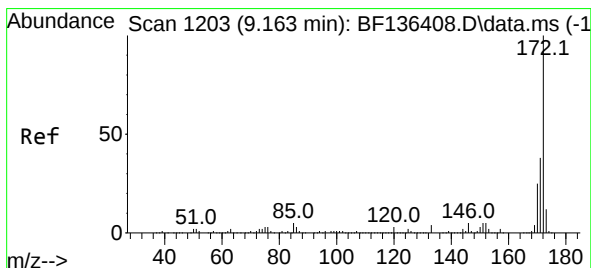
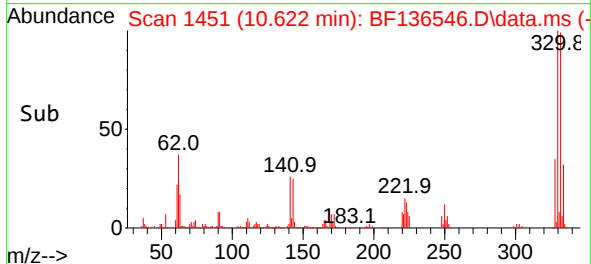
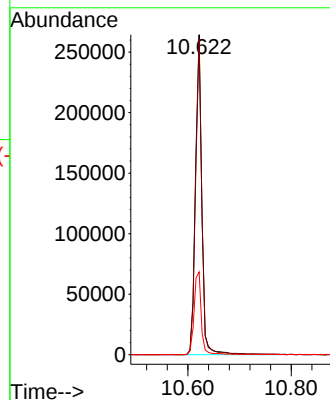
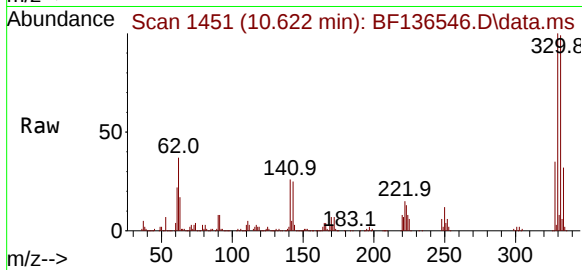
Tgt Ion:330 Resp: 226962

Ion Ratio Lower Upper

330 100

332 96.5 76.4 114.6

141 29.2 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 73.671 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136546.D

Acq: 13 Dec 2023 19:45

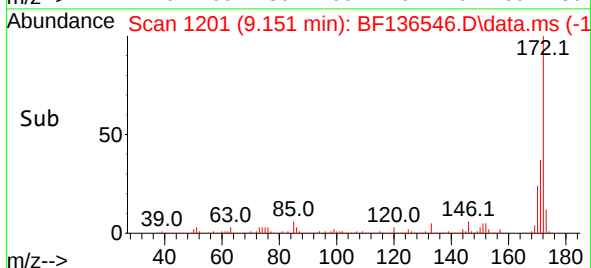
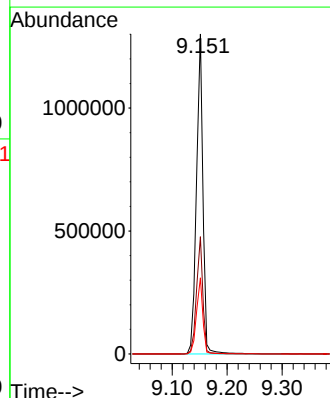
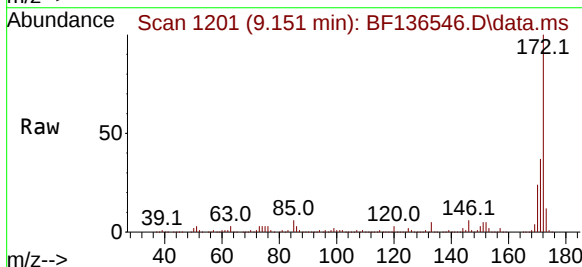
Tgt Ion:172 Resp: 1056886

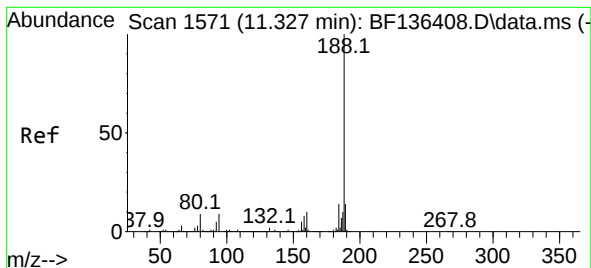
Ion Ratio Lower Upper

172 100

171 36.7 30.5 45.7

170 23.8 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136546.D

Acq: 13 Dec 2023 19:45

Instrument :

BNA\_F

ClientSampleId :

DUP11272023

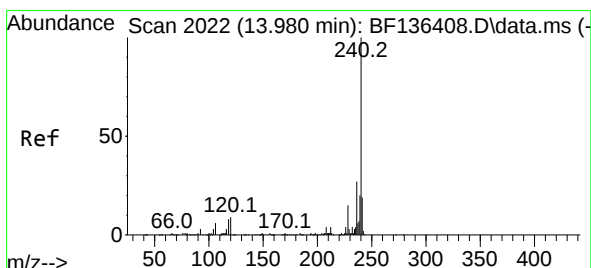
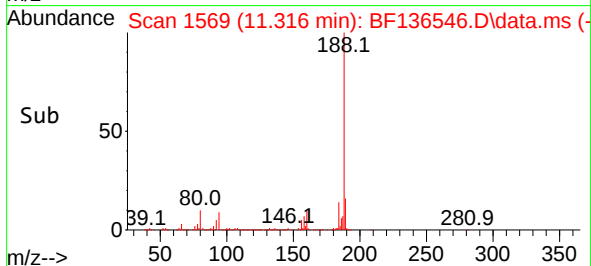
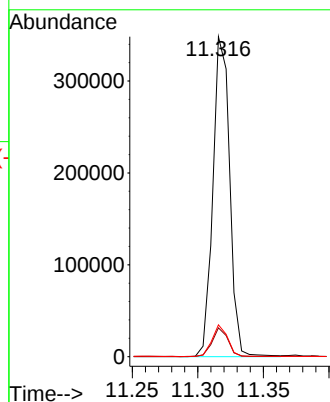
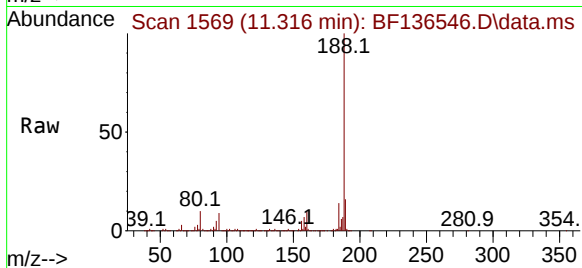
Tgt Ion:188 Resp: 310059

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

80 9.9 7.2 10.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF136546.D

Acq: 13 Dec 2023 19:45

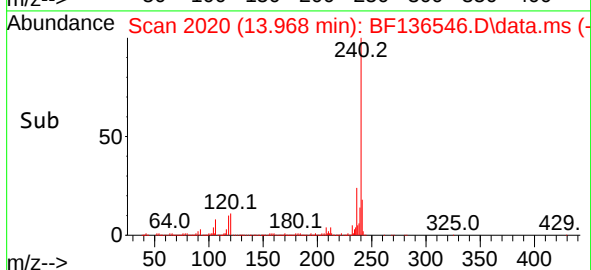
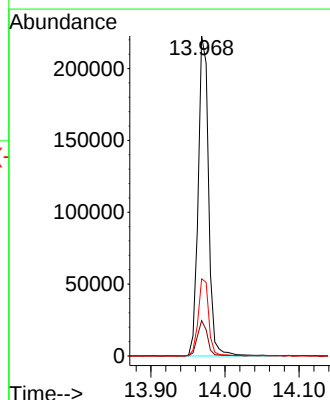
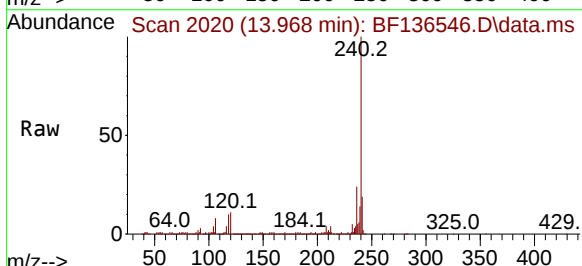
Tgt Ion:240 Resp: 216265

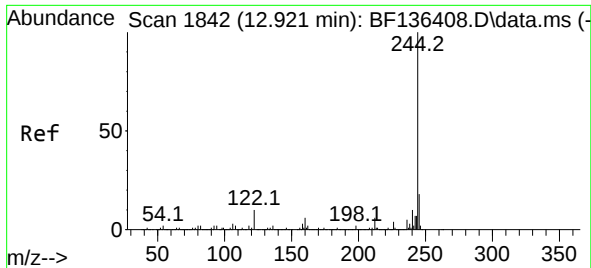
Ion Ratio Lower Upper

240 100

120 11.0 7.3 10.9#

236 24.1 21.3 31.9

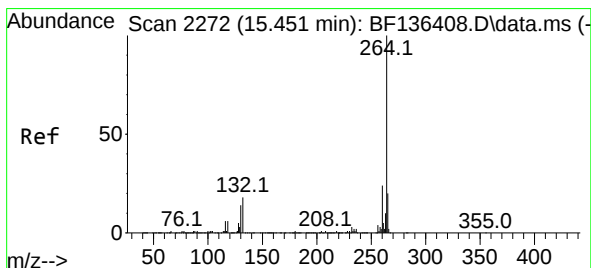
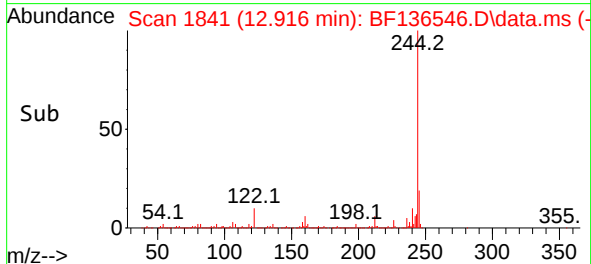
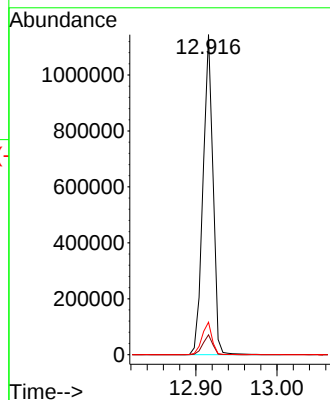
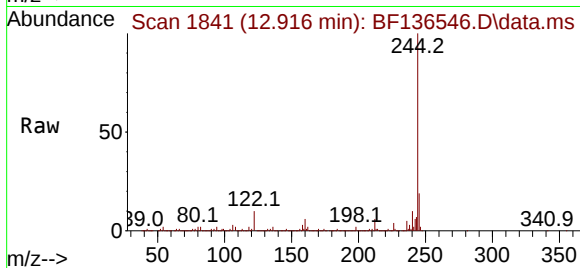




#79  
 Terphenyl-d14  
 Concen: 59.456 ng  
 RT: 12.916 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF136546.D  
 Acq: 13 Dec 2023 19:45

Instrument :  
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Tgt Ion:244 Resp: 975552  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 10.1 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2272  
 Delta R.T. 0.000 min  
 Lab File: BF136546.D  
 Acq: 13 Dec 2023 19:45

Tgt Ion:264 Resp: 219474  
 Ion Ratio Lower Upper  
 264 100  
 260 21.8 19.2 28.8  
 265 21.9 15.9 23.9

