

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102823\  
 Data File : BF136009.D  
 Acq On : 28 Oct 2023 17:08  
 Operator : CG\JU  
 Sample : 05081-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTAINMENT

Quant Time: Oct 30 00:27:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

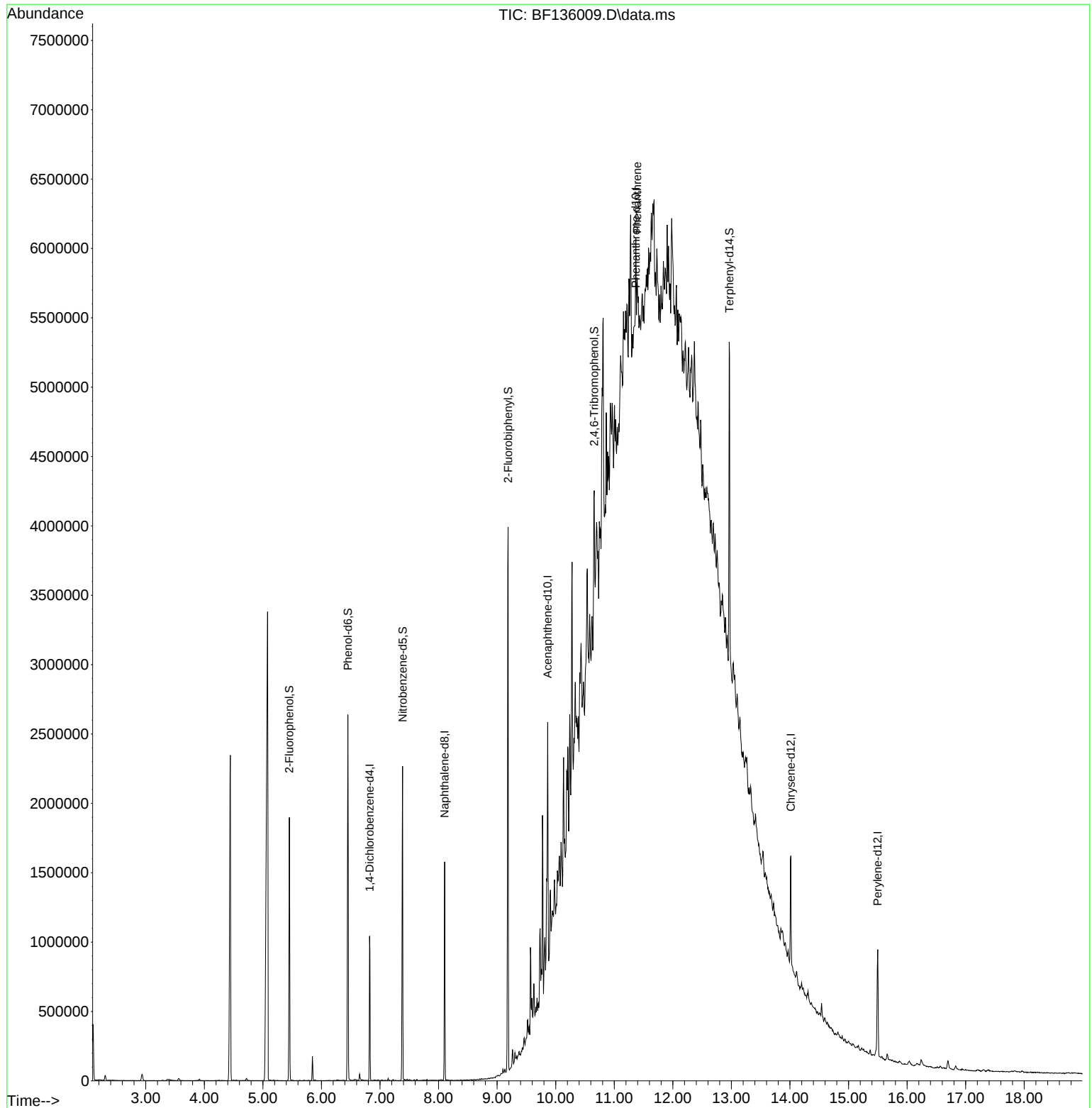
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.822  | 152  | 148078   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.104  | 136  | 591891   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.863  | 164  | 285614   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.368 | 188  | 393031   | 20.000 | ng    | # 0.02   |
| 76) Chrysene-d12            | 14.015 | 240  | 287609   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.498 | 264  | 359468   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.451  | 112  | 489488   | 51.044 | ng    | 0.00     |
| 7) Phenol-d6                | 6.451  | 99   | 928195   | 77.747 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.386  | 82   | 629668   | 70.576 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.657 | 330  | 105057   | 42.023 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.186  | 172  | 1225915  | 68.729 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.968 | 244  | 1016179  | 59.032 | ng    | 0.01     |
| Target Compounds            |        |      |          |        |       |          |
| 71) Phenanthrene            | 11.392 | 178  | 60907    | 3.063  | ng    | # 40     |
| -----                       |        |      |          |        |       |          |

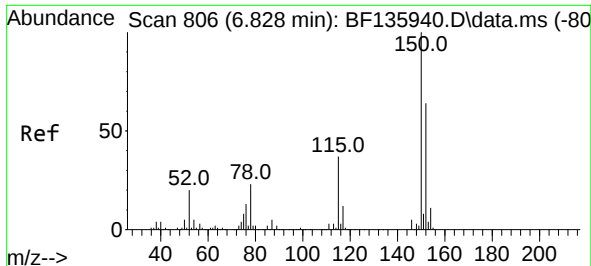
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102823\  
Data File : BF136009.D  
Acq On : 28 Oct 2023 17:08  
Operator : CG\JU  
Sample : 05081-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CONTAINMENT

Quant Time: Oct 30 00:27:22 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 26 03:58:01 2023  
Response via : Initial Calibration

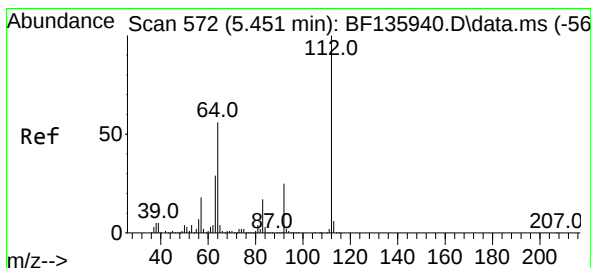
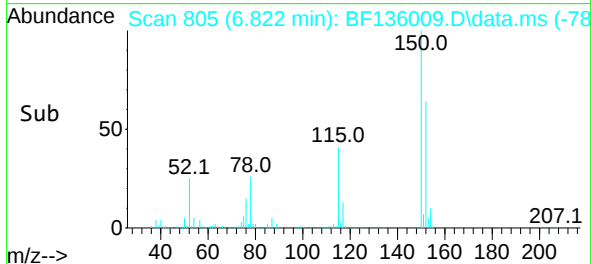
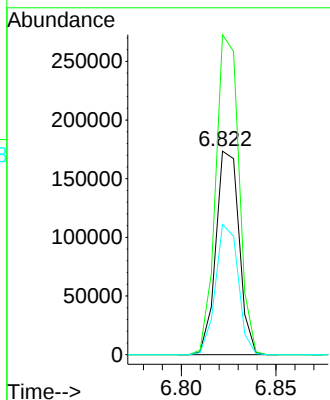
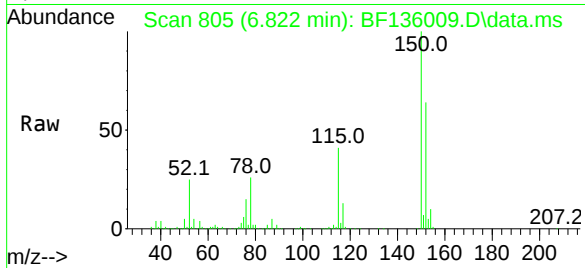




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 806  
Delta R.T. -0.006 min  
Lab File: BF136009.D  
Acq: 28 Oct 2023 17:08

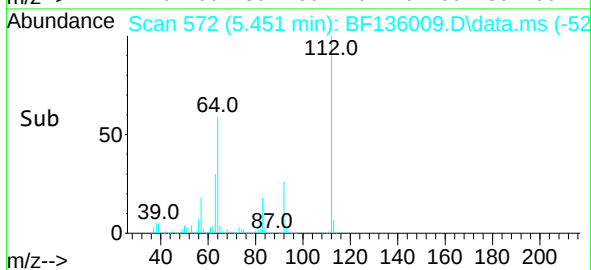
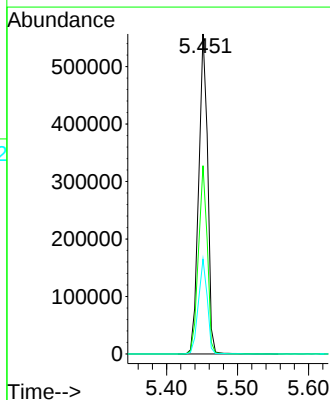
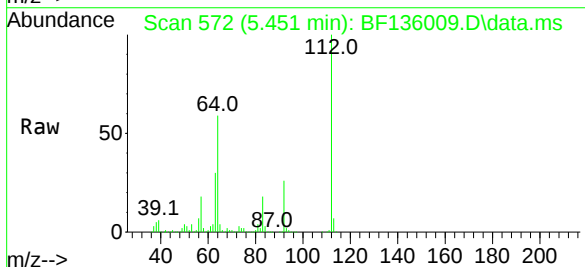
Instrument :  
BNA\_F  
ClientSampleId :  
CONTAINMENT

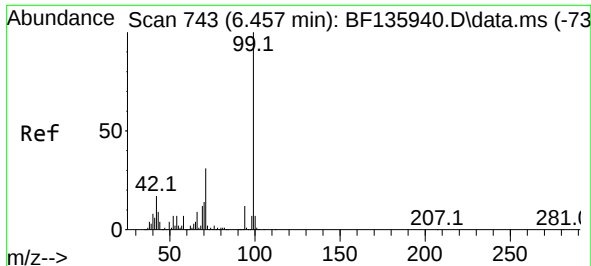
Tgt Ion:152 Resp: 148078  
Ion Ratio Lower Upper  
152 100  
150 157.2 124.6 186.8  
115 64.0 46.6 69.8



#5  
2-Fluorophenol  
Concen: 51.044 ng  
RT: 5.451 min Scan# 572  
Delta R.T. -0.000 min  
Lab File: BF136009.D  
Acq: 28 Oct 2023 17:08

Tgt Ion:112 Resp: 489488  
Ion Ratio Lower Upper  
112 100  
64 58.9 45.1 67.7  
63 29.7 23.0 34.4

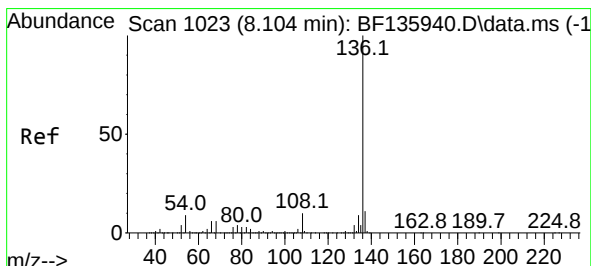
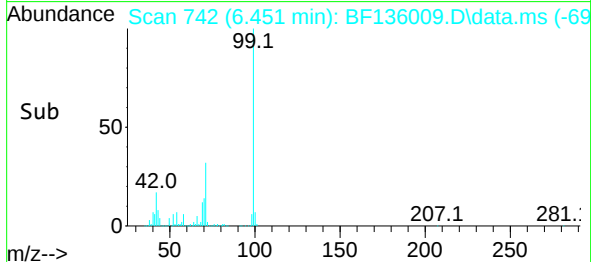
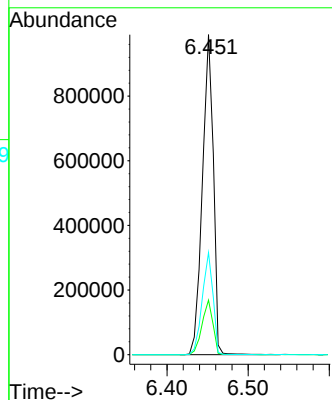
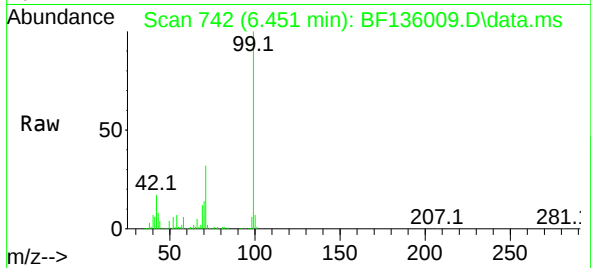




#7  
Phenol-d6  
Concen: 77.747 ng  
RT: 6.451 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF136009.D  
Acq: 28 Oct 2023 17:08

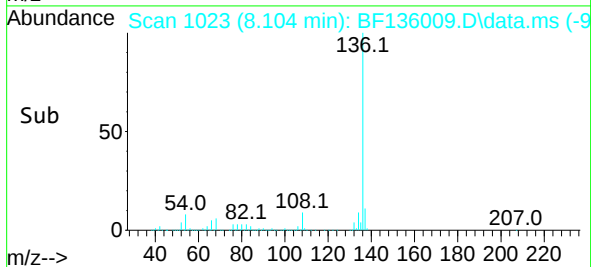
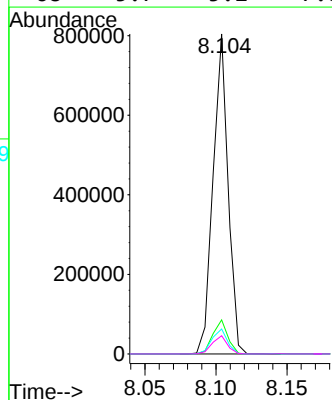
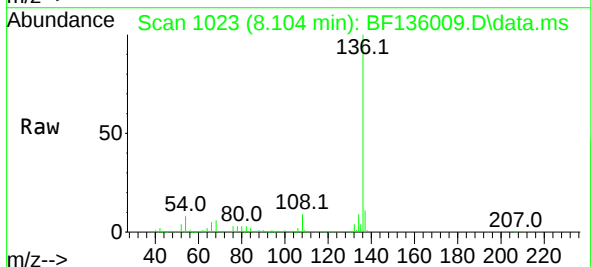
Instrument :  
BNA\_F  
ClientSampleId :  
CONTAINMENT

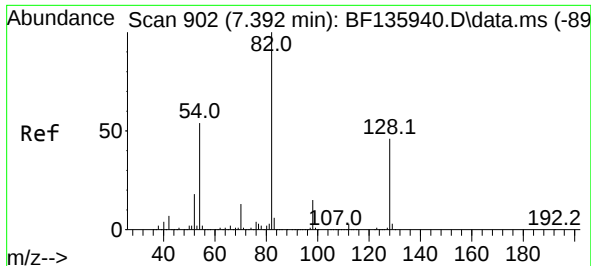
Tgt Ion: 99 Resp: 928195  
Ion Ratio Lower Upper  
99 100  
42 17.1 13.8 20.8  
71 31.9 25.1 37.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF136009.D  
Acq: 28 Oct 2023 17:08

Tgt Ion: 136 Resp: 591891  
Ion Ratio Lower Upper  
136 100  
137 10.6 9.0 13.6  
54 7.8 7.1 10.7  
68 5.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 70.576 ng

RT: 7.386 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA\_F

ClientSampleId :

CONTAINMENT

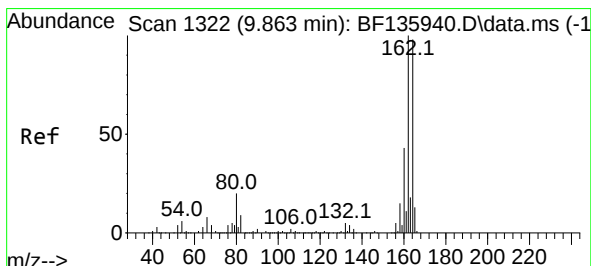
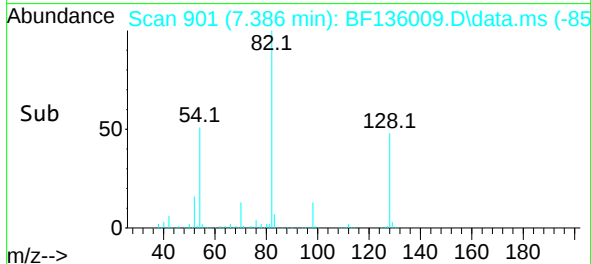
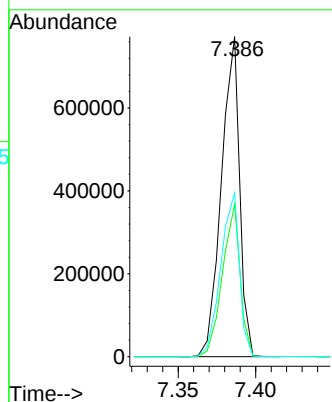
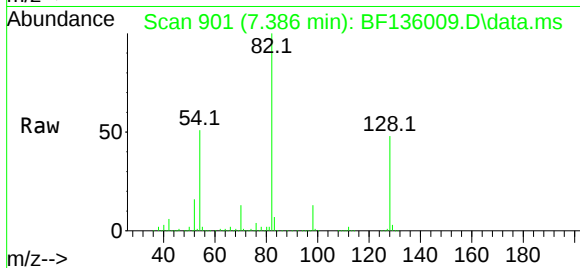
Tgt Ion: 82 Resp: 629668

Ion Ratio Lower Upper

82 100

128 47.6 36.8 55.2

54 51.2 43.4 65.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

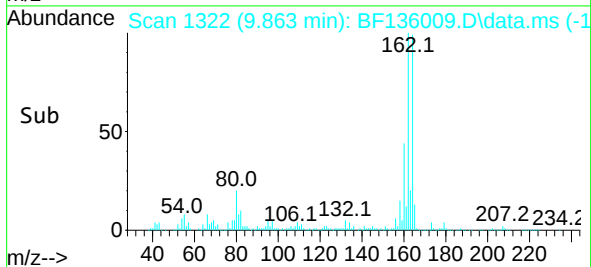
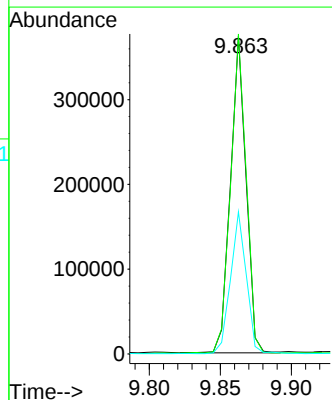
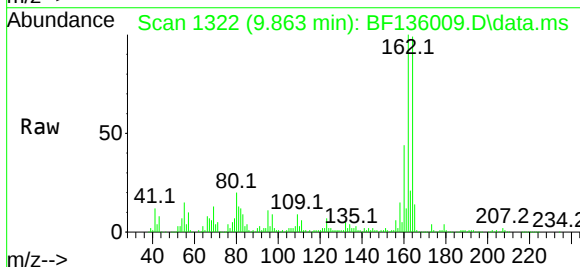
Tgt Ion: 164 Resp: 285614

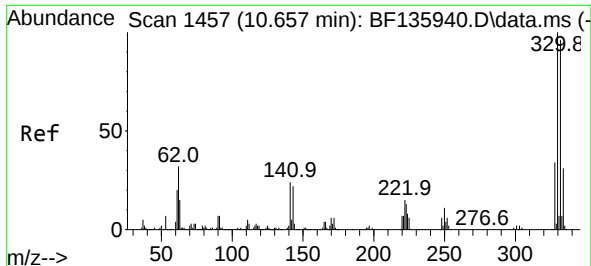
Ion Ratio Lower Upper

164 100

162 100.6 82.0 123.0

160 44.7 35.6 53.4

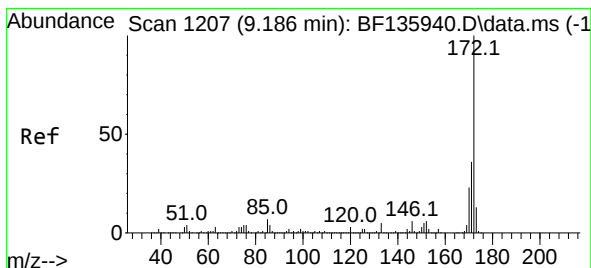
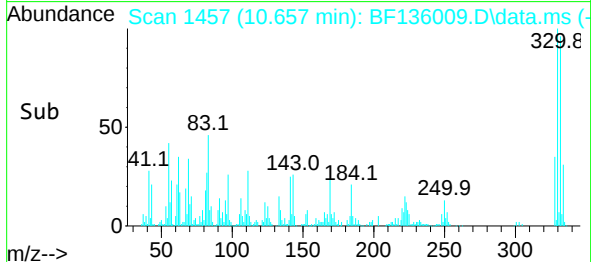
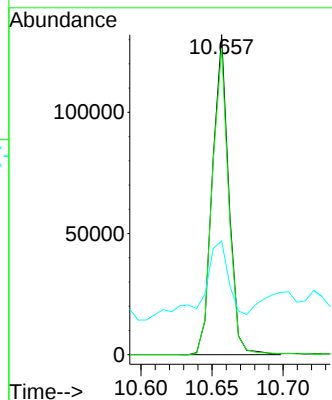
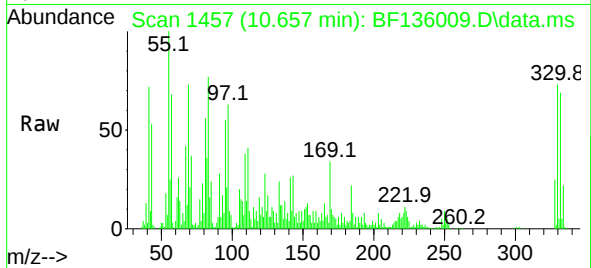




#42  
 2,4,6-Tribromophenol  
 Concen: 42.023 ng  
 RT: 10.657 min Scan# 1457  
 Delta R.T. -0.000 min  
 Lab File: BF136009.D  
 Acq: 28 Oct 2023 17:08

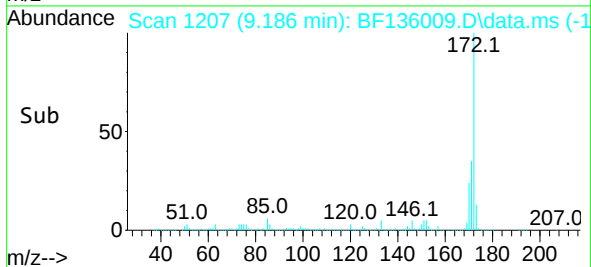
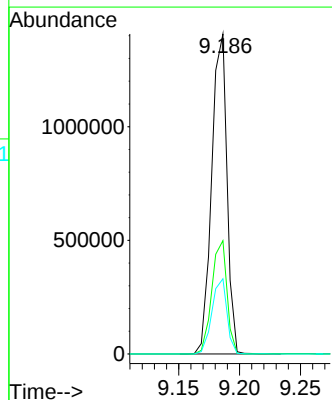
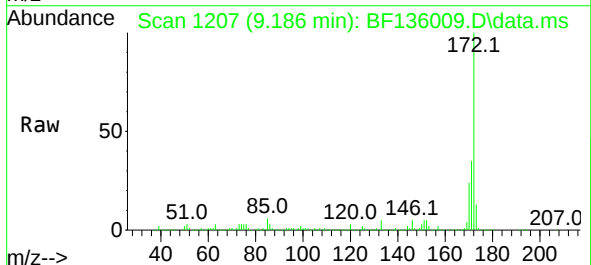
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTAINMENT

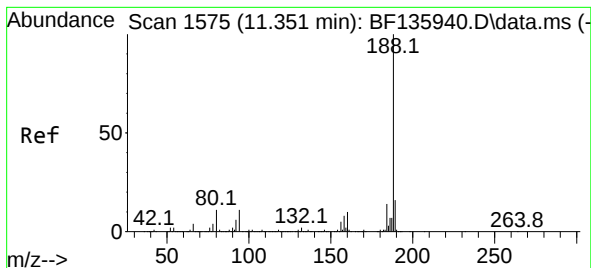
Tgt Ion:330 Resp: 105057  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.4 116.2  
 141 39.9 24.9 37.3#



#45  
 2-Fluorobiphenyl  
 Concen: 68.729 ng  
 RT: 9.186 min Scan# 1207  
 Delta R.T. -0.000 min  
 Lab File: BF136009.D  
 Acq: 28 Oct 2023 17:08

Tgt Ion:172 Resp: 1225915  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.6 43.0  
 170 23.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.368 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA\_F

ClientSampleId :

CONTAINMENT

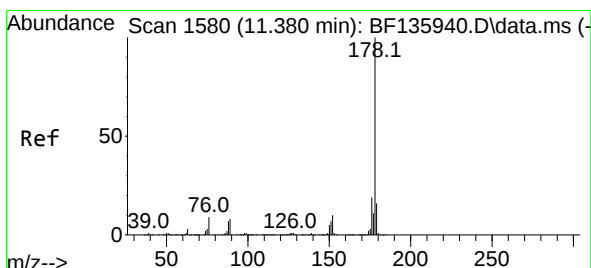
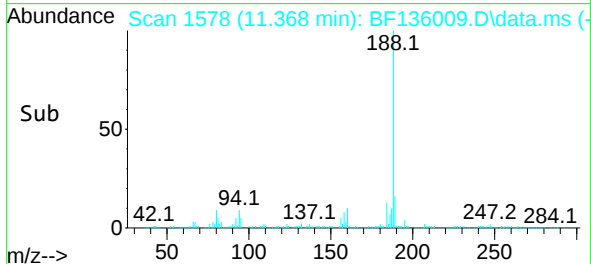
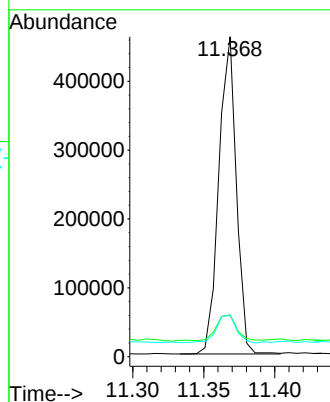
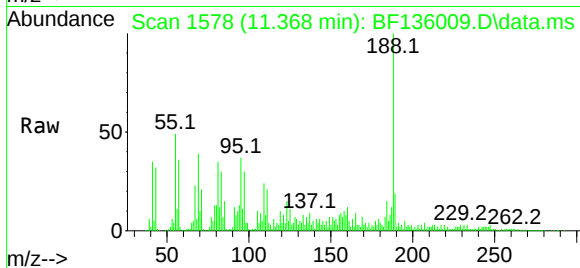
Tgt Ion:188 Resp: 393031

Ion Ratio Lower Upper

188 100

94 13.1 8.6 13.0#

80 13.0 9.0 13.6



#71

Phenanthrene

Concen: 3.063 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.012 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

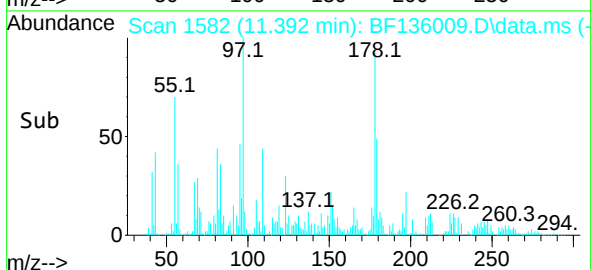
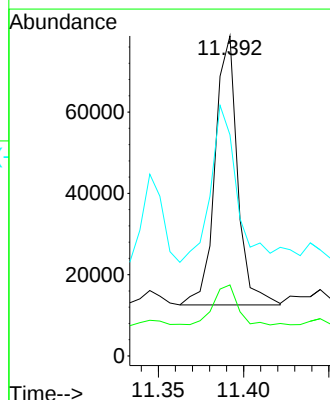
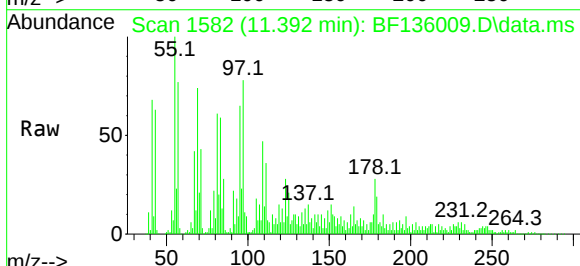
Tgt Ion:178 Resp: 60907

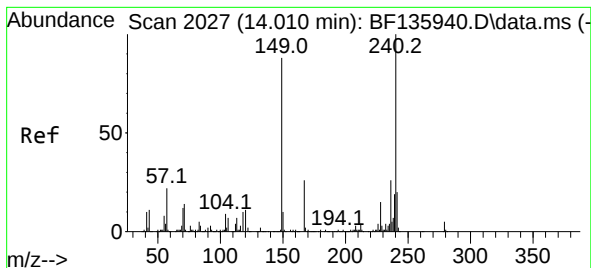
Ion Ratio Lower Upper

178 100

176 22.2 15.4 23.2

179 69.1 12.5 18.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

Instrument :

BNA\_F

ClientSampleId :

CONTAINMENT

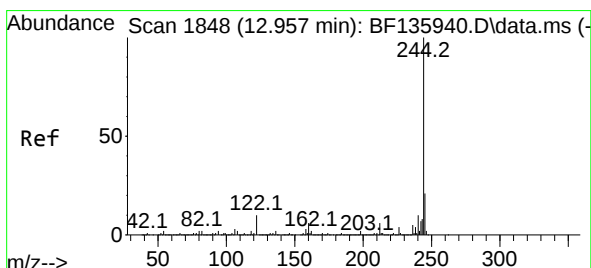
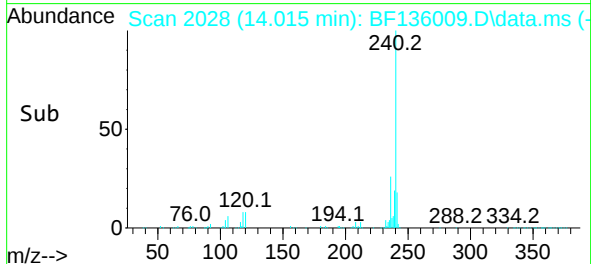
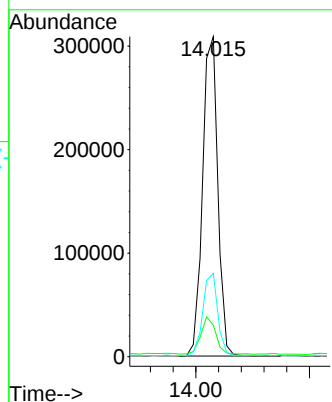
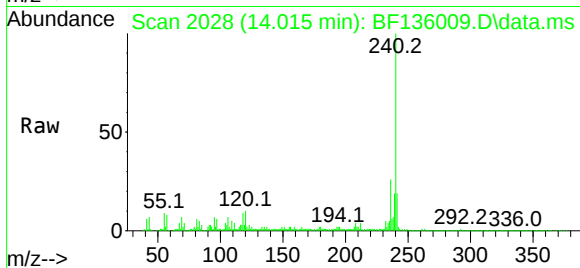
Tgt Ion:240 Resp: 287609

Ion Ratio Lower Upper

240 100

120 9.8 8.6 13.0

236 26.1 20.6 30.8



#79

Terphenyl-d14

Concen: 59.032 ng

RT: 12.968 min Scan# 1850

Delta R.T. 0.012 min

Lab File: BF136009.D

Acq: 28 Oct 2023 17:08

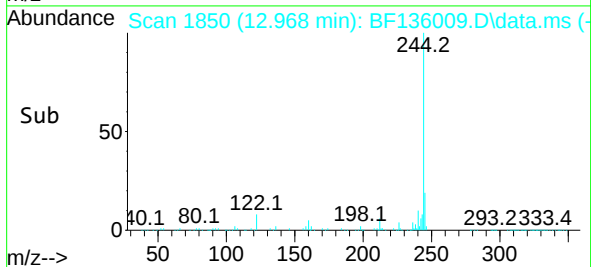
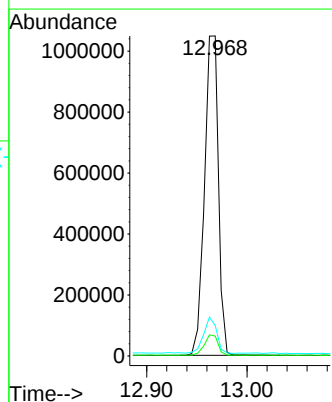
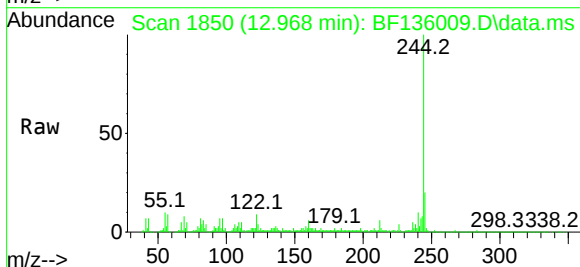
Tgt Ion:244 Resp: 1016179

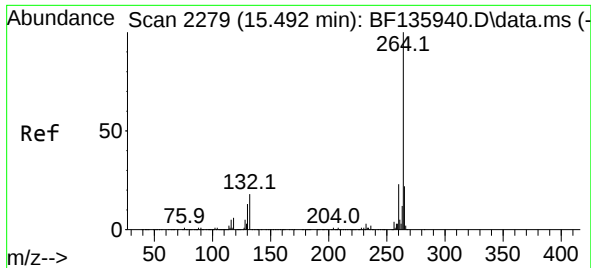
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.6

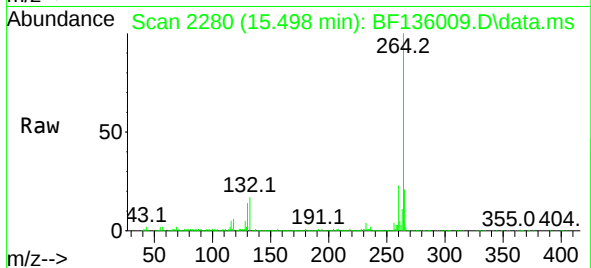
122 9.5 8.0 12.0





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.498 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF136009.D  
 Acq: 28 Oct 2023 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONTAINMENT



Tgt Ion:264 Resp: 359468

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 18.6  | 28.0  |
| 265 | 21.3  | 17.3  | 25.9  |

