

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030223\  
 Data File : BF132612.D  
 Acq On : 02 Mar 2023 17:37  
 Operator : CG\JU  
 Sample : 01749-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-7

Quant Time: Mar 02 17:57:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 24 23:17:30 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.998  | 152  | 200803   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.287  | 136  | 746027   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.045 | 164  | 393446   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.545 | 188  | 654850   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.204 | 240  | 367616   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.757 | 264  | 430550   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.628  | 112  | 1102794  | 89.132 | ng    | 0.00     |
| 7) Phenol-d6                | 6.622  | 99   | 1407962  | 87.195 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.563  | 82   | 907880   | 57.738 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.839 | 330  | 338844   | 79.746 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.363  | 172  | 1475297  | 57.095 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.133 | 244  | 1280384  | 58.888 | ng    | 0.00     |

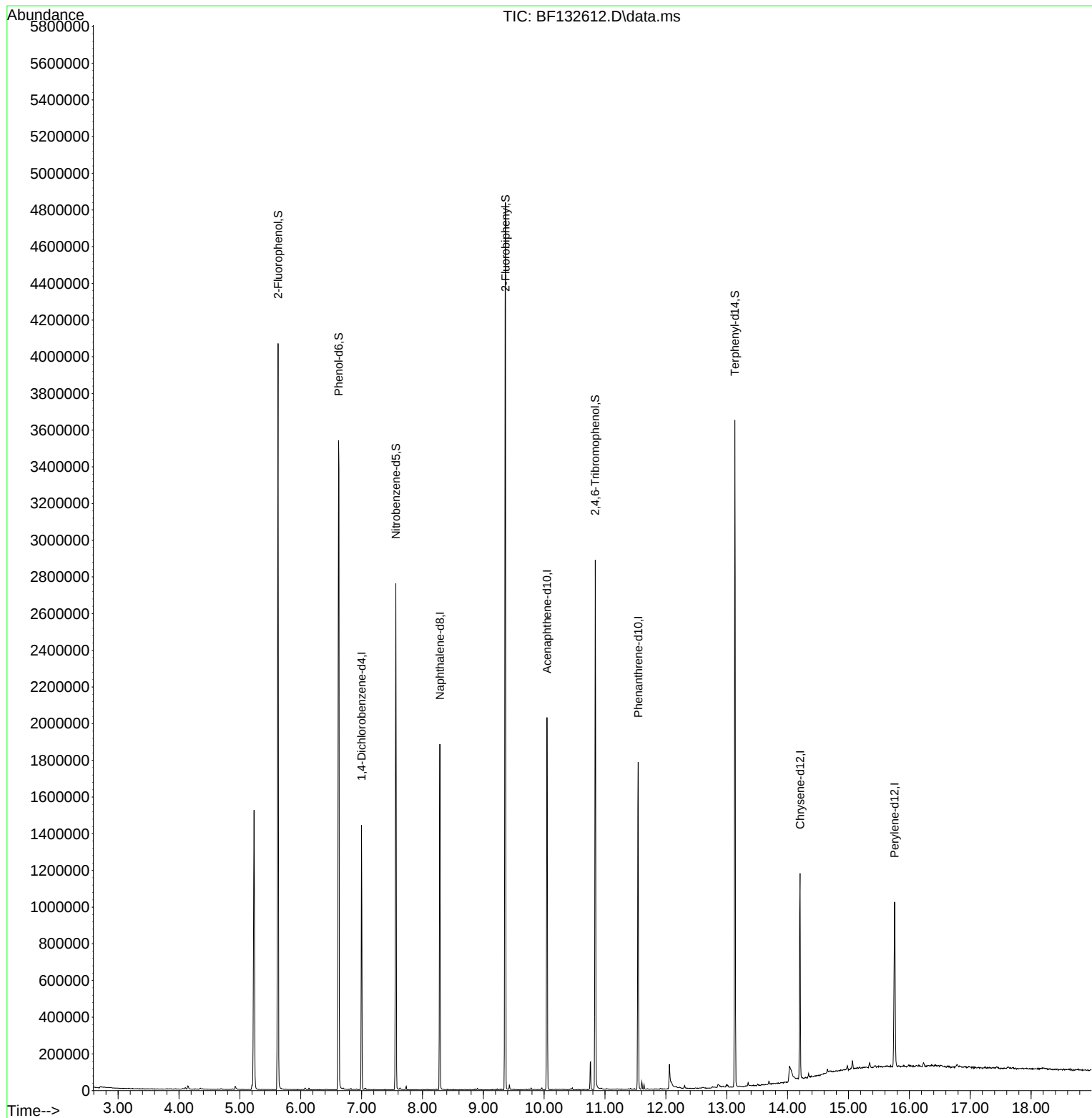
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

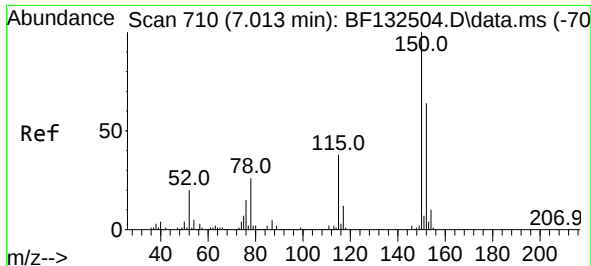
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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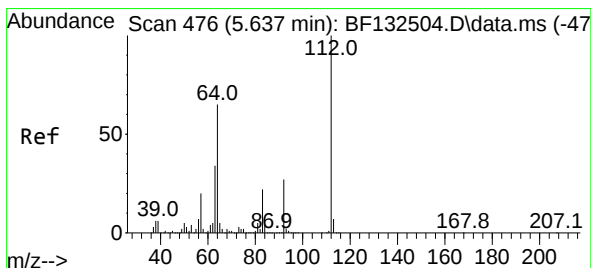
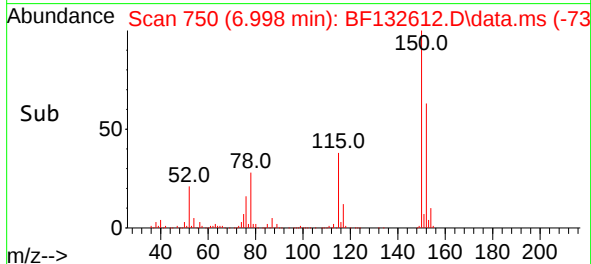
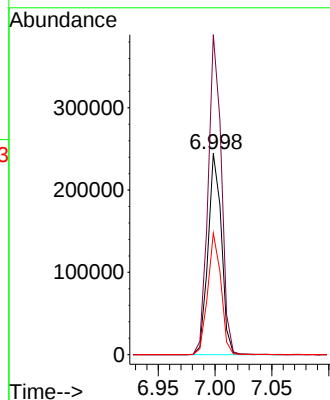
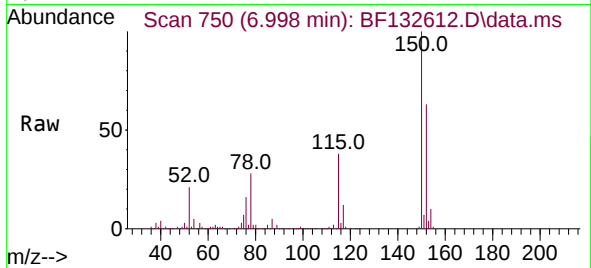




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.998 min Scan# 710  
Delta R.T. -0.009 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

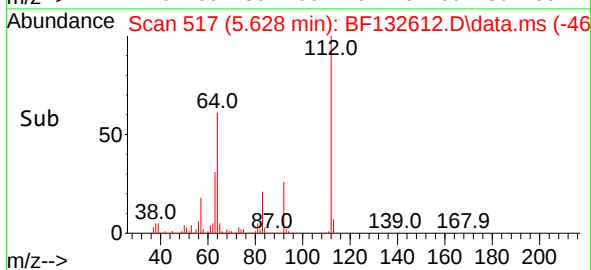
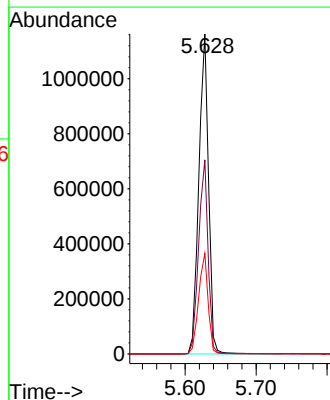
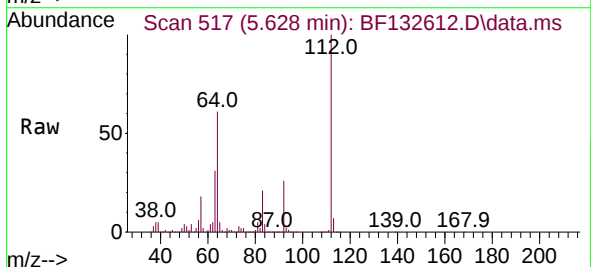
Instrument :  
BNA\_F  
ClientSampleId :  
CF-7

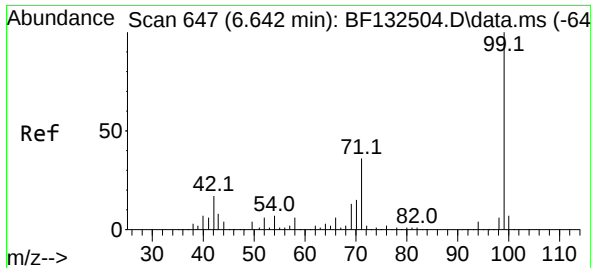
Tgt Ion:152 Resp: 200803  
Ion Ratio Lower Upper  
152 100  
150 159.1 125.4 188.2  
115 60.5 47.8 71.6



#5  
2-Fluorophenol  
Concen: 89.132 ng  
RT: 5.628 min Scan# 517  
Delta R.T. -0.003 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

Tgt Ion:112 Resp: 1102794  
Ion Ratio Lower Upper  
112 100  
64 60.6 51.6 77.4  
63 31.4 27.4 41.2



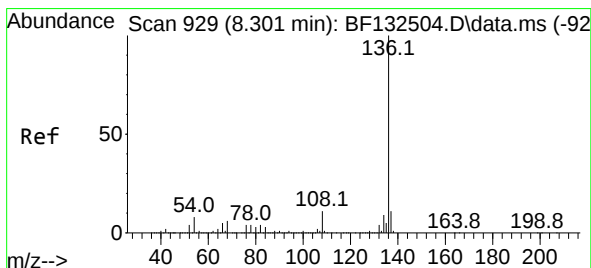
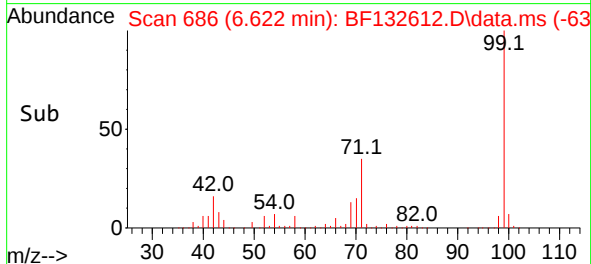
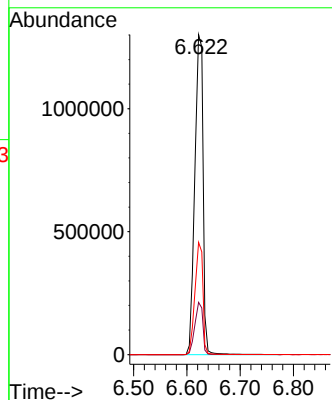
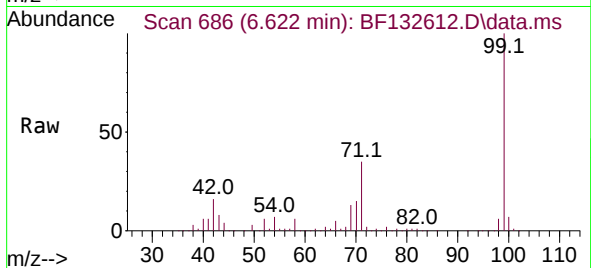


#7  
Phenol-d6  
Concen: 87.195 ng  
RT: 6.622 min Scan# 61  
Delta R.T. -0.015 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
CF-7

Tgt Ion: 99 Resp: 1407962

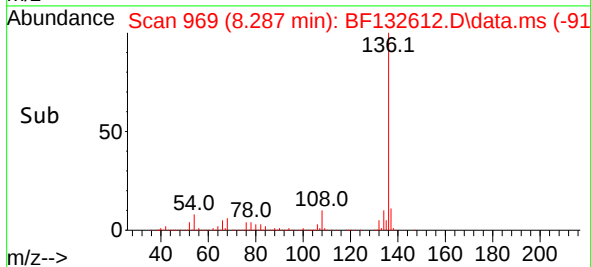
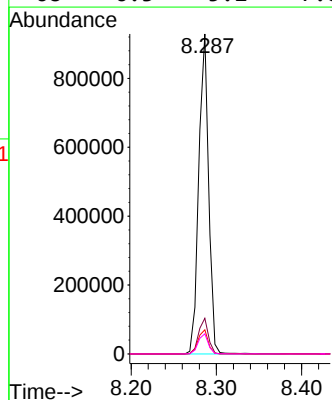
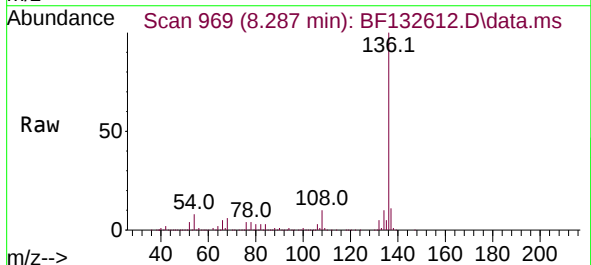
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.3  | 13.9  | 20.9  |
| 71  | 35.1  | 28.5  | 42.7  |

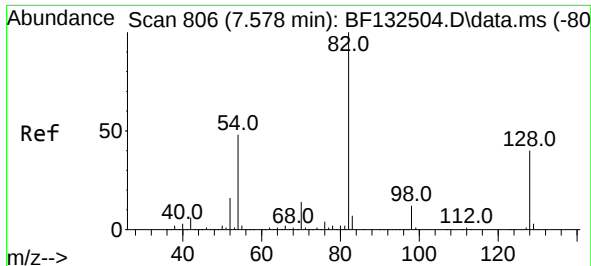


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.287 min Scan# 969  
Delta R.T. -0.003 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

Tgt Ion: 136 Resp: 746027

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 7.5   | 6.2   | 9.4   |
| 68  | 6.3   | 5.2   | 7.8   |





#23

Nitrobenzene-d5

Concen: 57.738 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7

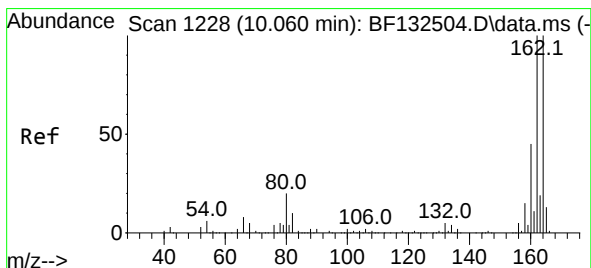
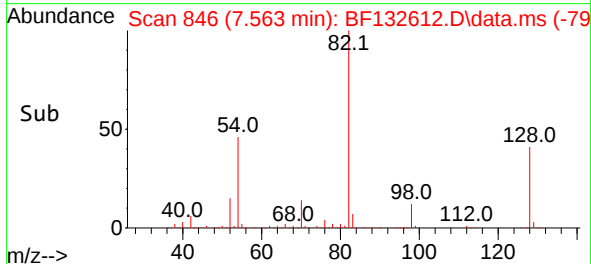
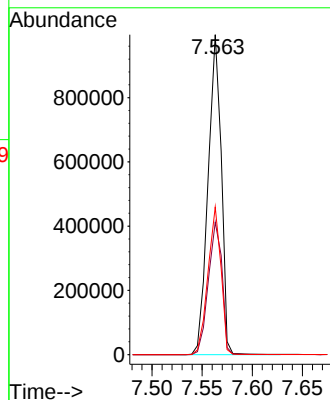
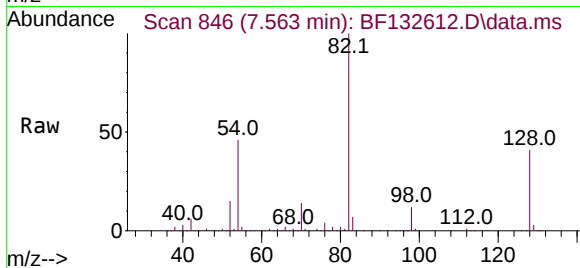
Tgt Ion: 82 Resp: 907880

Ion Ratio Lower Upper

82 100

128 41.4 32.2 48.2

54 46.1 38.4 57.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1268

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

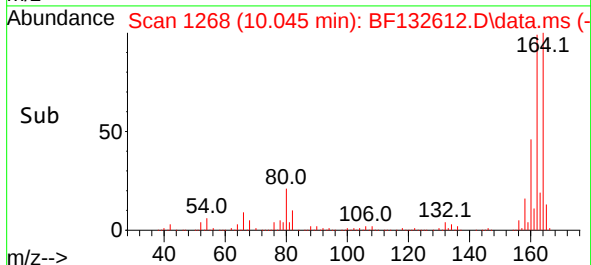
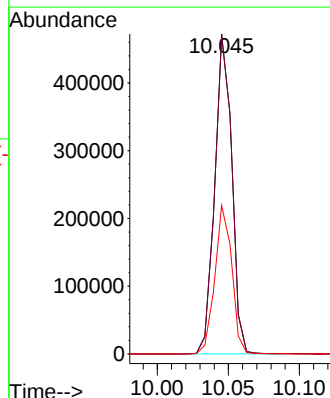
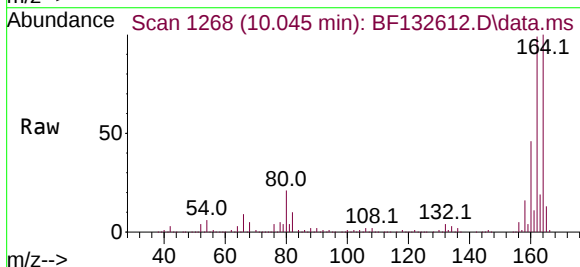
Tgt Ion: 164 Resp: 393446

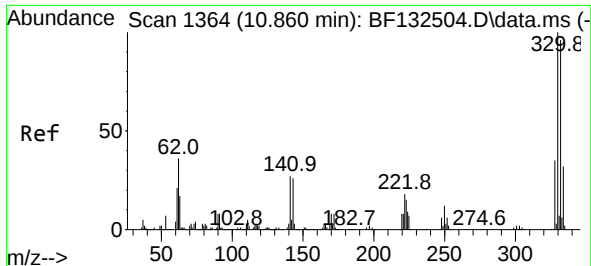
Ion Ratio Lower Upper

164 100

162 99.4 79.8 119.8

160 46.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 79.746 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7

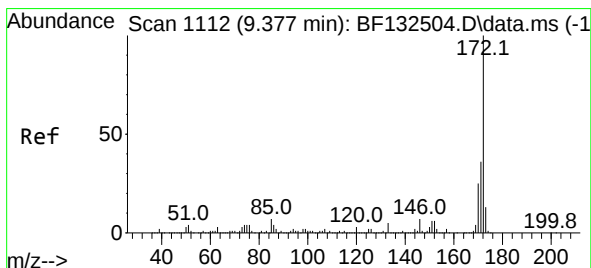
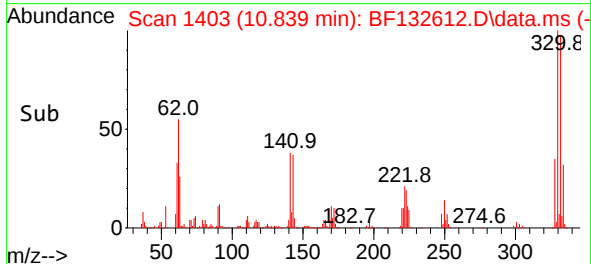
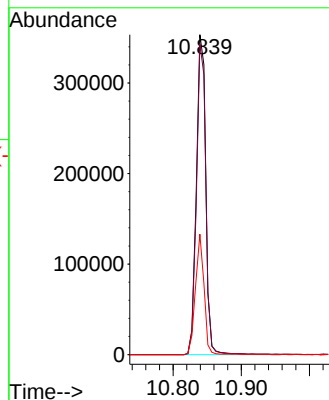
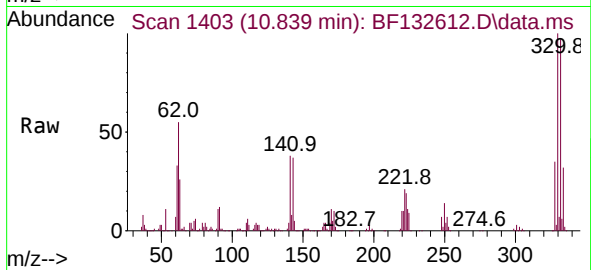
Tgt Ion:330 Resp: 338844

Ion Ratio Lower Upper

330 100

332 96.6 76.2 114.4

141 34.6 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 57.095 ng

RT: 9.363 min Scan# 1152

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

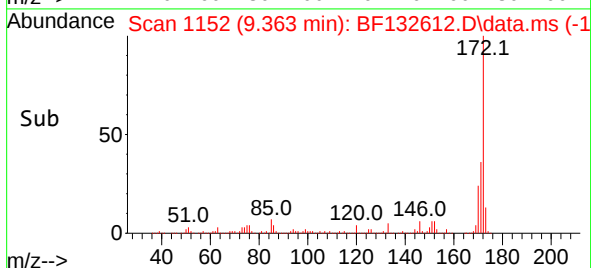
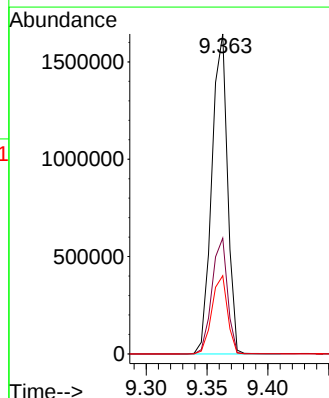
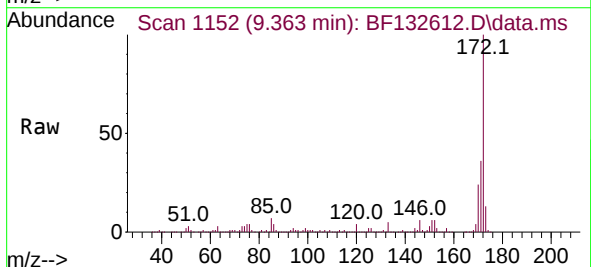
Tgt Ion:172 Resp: 1475297

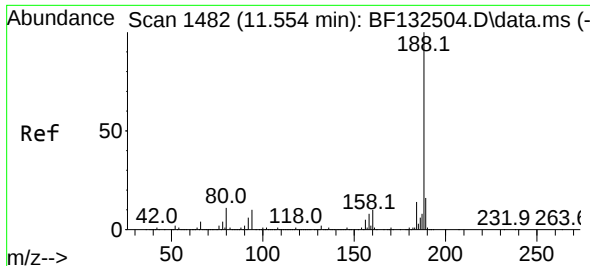
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.4 19.7 29.5

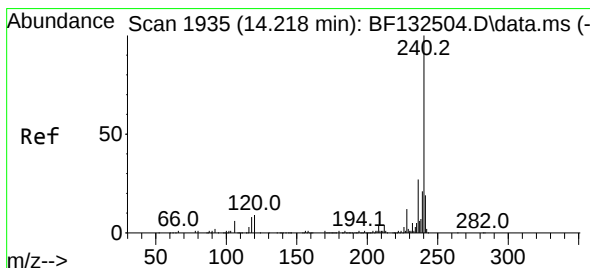
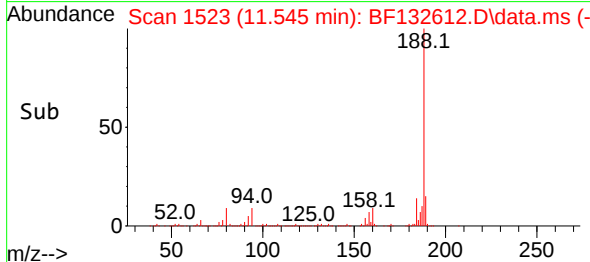
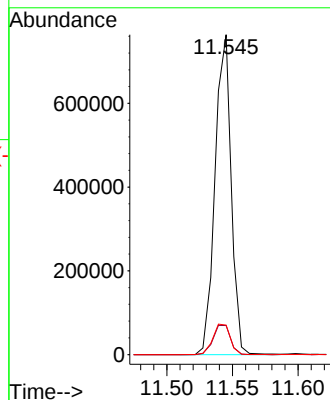
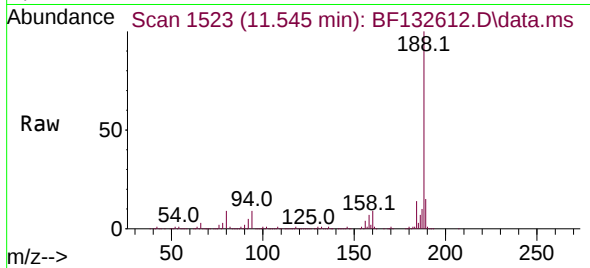




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.545 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

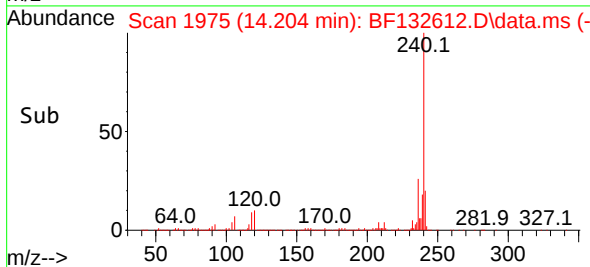
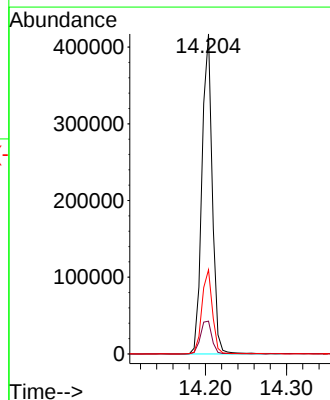
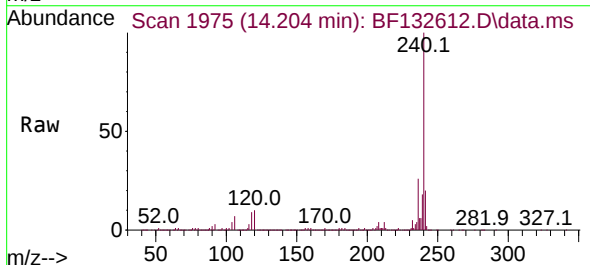
Instrument :  
BNA\_F  
ClientSampleId :  
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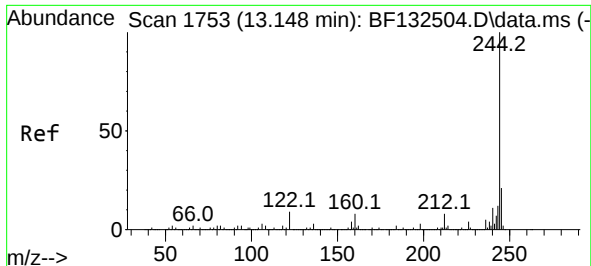
Tgt Ion:188 Resp: 654850  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.3 12.5  
80 9.2 8.7 13.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.204 min Scan# 1975  
Delta R.T. -0.003 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

Tgt Ion:240 Resp: 367616  
Ion Ratio Lower Upper  
240 100  
120 10.2 7.2 10.8  
236 26.3 21.8 32.6

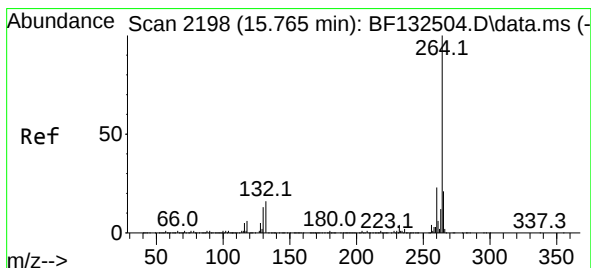
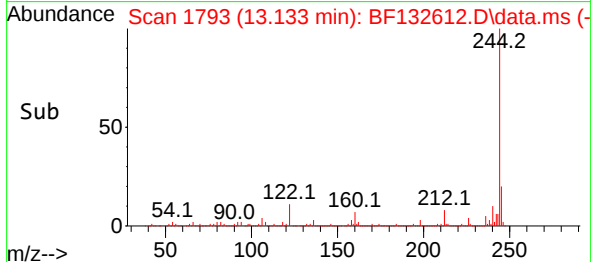
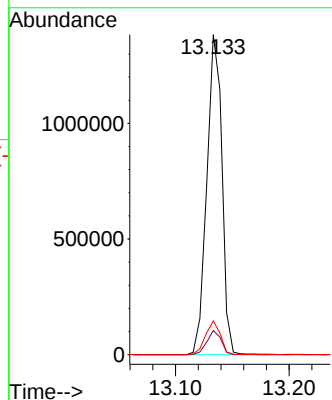
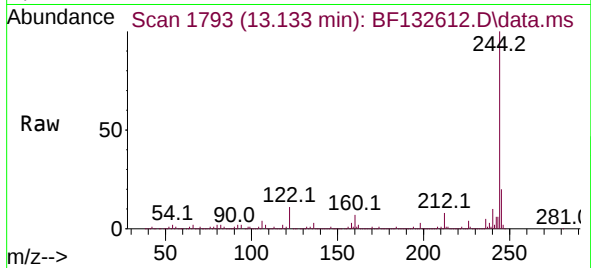




#79  
 Terphenyl-d14  
 Concen: 58.888 ng  
 RT: 13.133 min Scan# 11  
 Delta R.T. -0.009 min  
 Lab File: BF132612.D  
 Acq: 02 Mar 2023 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-7

Tgt Ion:244 Resp: 1280384  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.5 9.7  
 122 10.5 7.5 11.3



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.757 min Scan# 2239  
 Delta R.T. 0.003 min  
 Lab File: BF132612.D  
 Acq: 02 Mar 2023 17:37

Tgt Ion:264 Resp: 430550  
 Ion Ratio Lower Upper  
 264 100  
 260 25.3 18.8 28.2  
 265 21.3 17.1 25.7

