

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071524\  
 Data File : BF138567.D  
 Acq On : 15 Jul 2024 13:57  
 Operator : CG\JU  
 Sample : PB162036BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162036BL

Quant Time: Jul 15 14:20:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.863  | 152  | 146760   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.145  | 136  | 571399   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.904  | 164  | 332350   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.386 | 188  | 669450   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.021 | 240  | 456720   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.492 | 264  | 281071   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 1117787  | 120.626 | ng    | 0.02     |
| 7) Phenol-d6                | 6.510  | 99   | 1646782  | 133.588 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.433  | 82   | 944361   | 81.145  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 459726   | 148.005 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.227  | 172  | 1668017  | 78.440  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.980 | 244  | 2318396  | 82.697  | ng    | 0.00     |

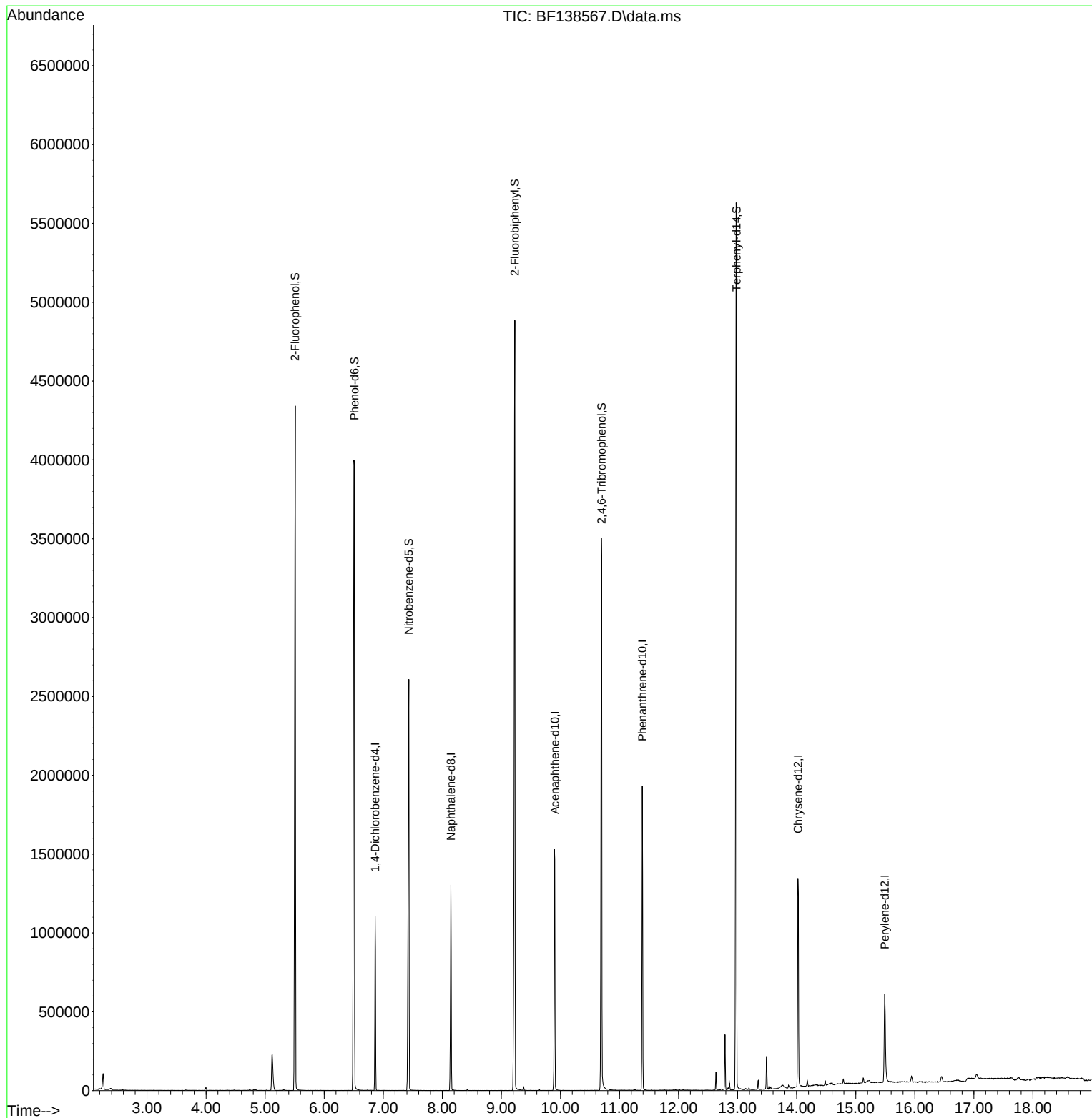
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

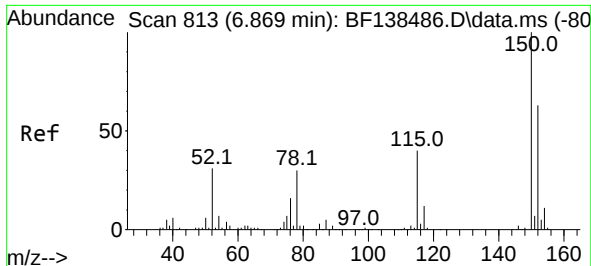
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 09 16:58:40 2024  
Response via : Initial Calibration

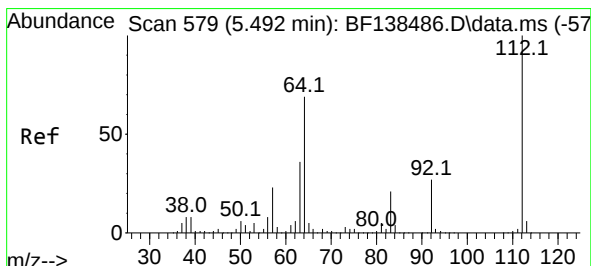
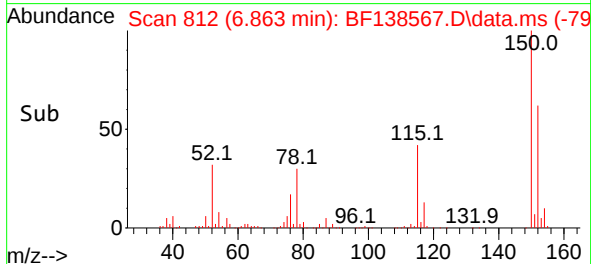
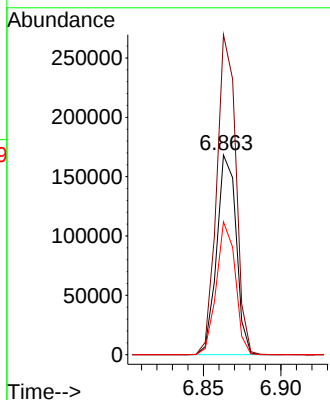
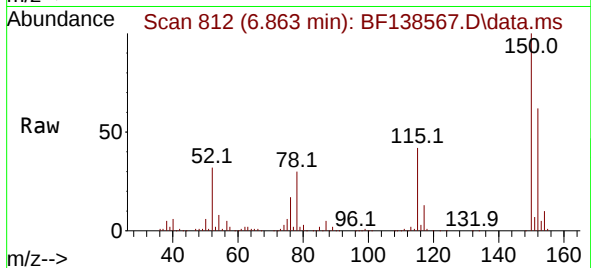




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF138567.D  
Acq: 15 Jul 2024 13:57

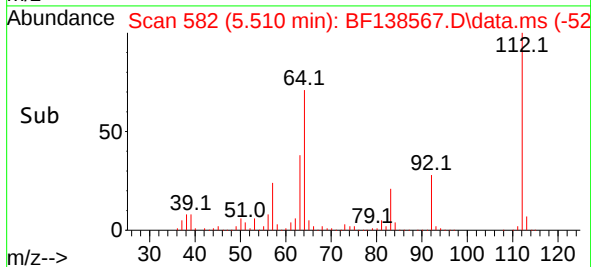
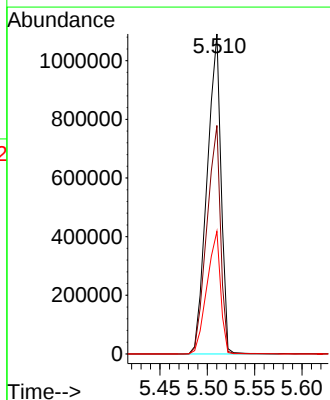
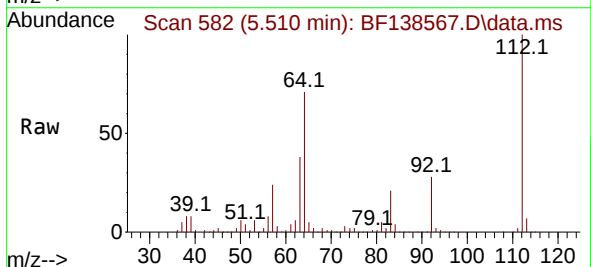
Instrument :  
BNA\_F  
ClientSampleId :  
PB162036BL

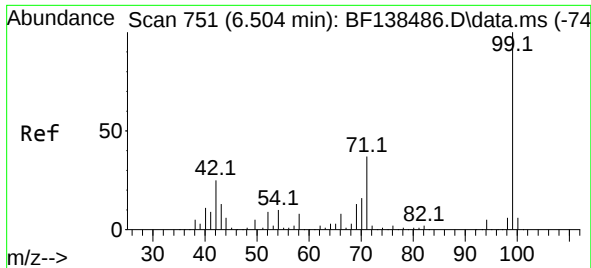
Tgt Ion:152 Resp: 146760  
Ion Ratio Lower Upper  
152 100  
150 160.2 126.2 189.4  
115 66.5 50.3 75.5



#5  
2-Fluorophenol  
Concen: 120.626 ng  
RT: 5.510 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF138567.D  
Acq: 15 Jul 2024 13:57

Tgt Ion:112 Resp: 1117787  
Ion Ratio Lower Upper  
112 100  
64 71.4 55.1 82.7  
63 38.3 29.0 43.6

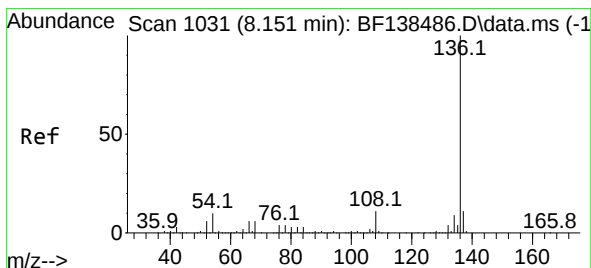
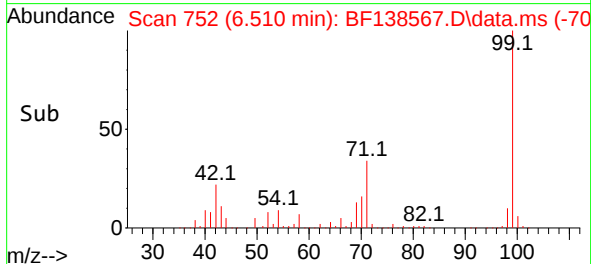
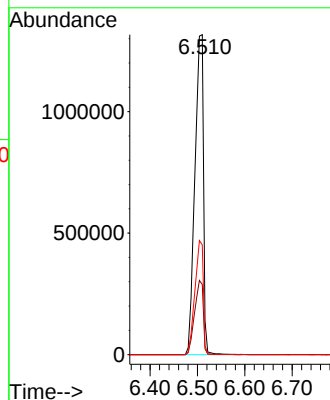
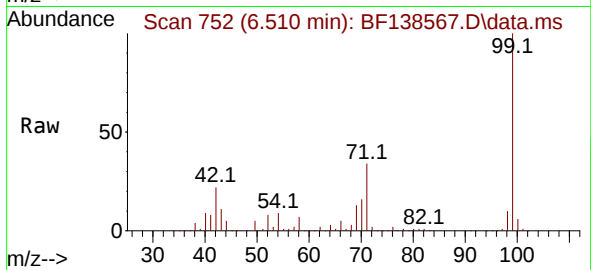




#7  
Phenol-d6  
Concen: 133.588 ng  
RT: 6.510 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF138567.D  
Acq: 15 Jul 2024 13:57

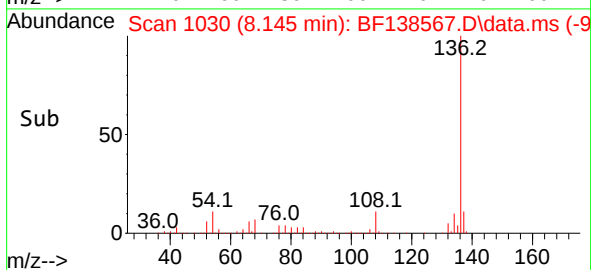
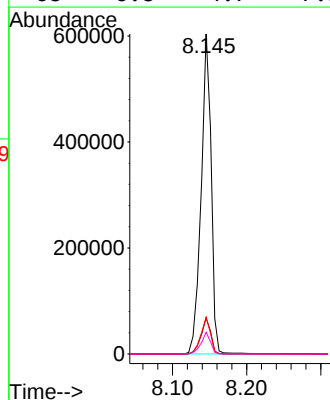
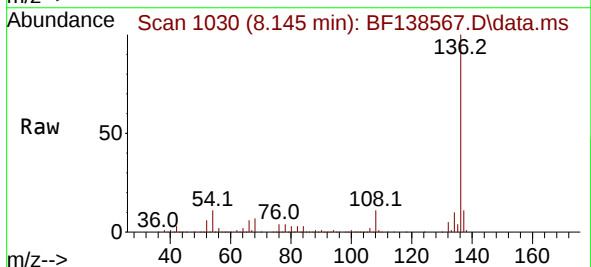
Instrument :  
BNA\_F  
ClientSampleId :  
PB162036BL

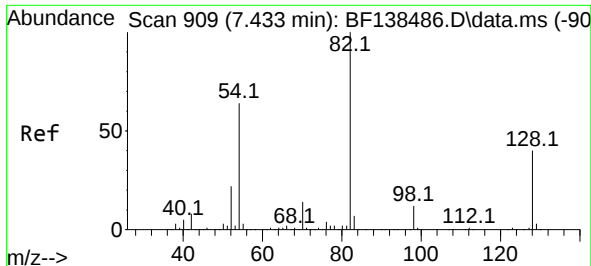
Tgt Ion: 99 Resp: 1646782  
Ion Ratio Lower Upper  
99 100  
42 21.9 19.7 29.5  
71 34.3 29.9 44.9



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF138567.D  
Acq: 15 Jul 2024 13:57

Tgt Ion: 136 Resp: 571399  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.5 12.7  
54 11.5 8.1 12.1  
68 6.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 81.145 ng

RT: 7.433 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF138567.D

Acq: 15 Jul 2024 13:57

Instrument :

BNA\_F

ClientSampleId :

PB162036BL

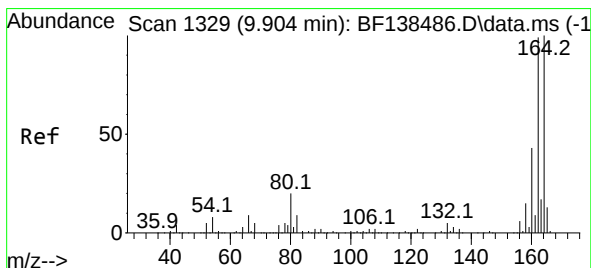
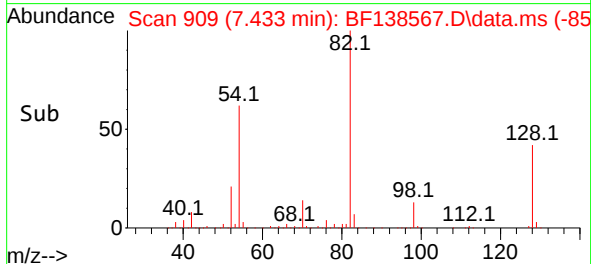
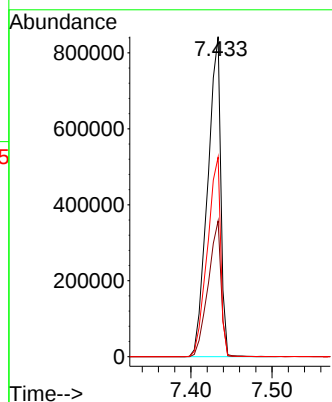
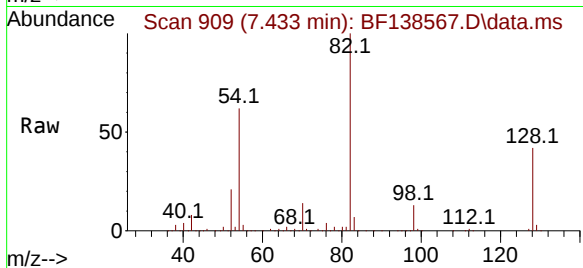
Tgt Ion: 82 Resp: 944361

Ion Ratio Lower Upper

82 100

128 42.5 32.3 48.5

54 62.3 51.4 77.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF138567.D

Acq: 15 Jul 2024 13:57

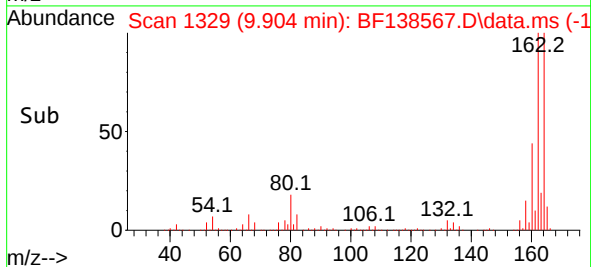
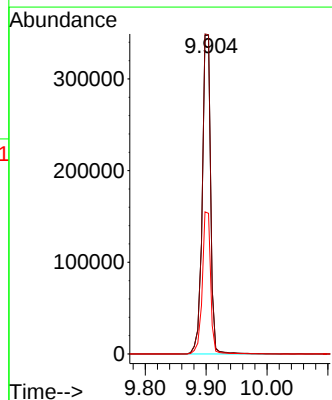
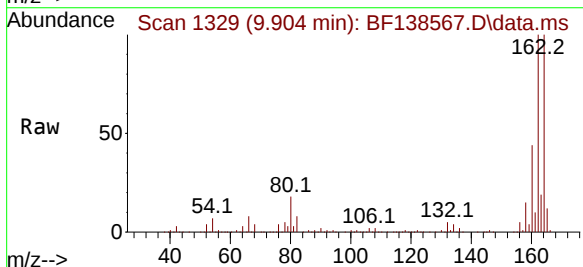
Tgt Ion: 164 Resp: 332350

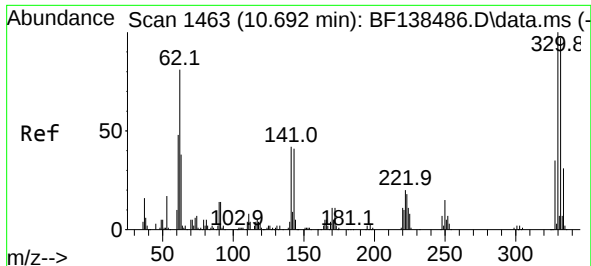
Ion Ratio Lower Upper

164 100

162 100.2 79.0 118.6

160 44.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 148.005 ng

RT: 10.698 min Scan# 1464

Delta R.T. 0.006 min

Lab File: BF138567.D

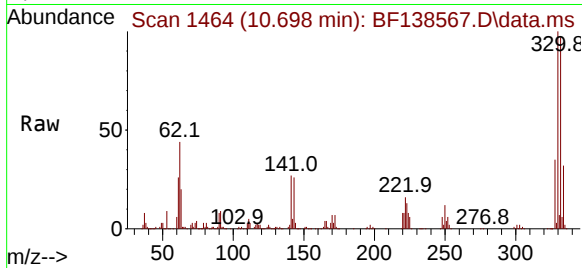
Acq: 15 Jul 2024 13:57

Instrument :

BNA\_F

ClientSampleId :

PB162036BL



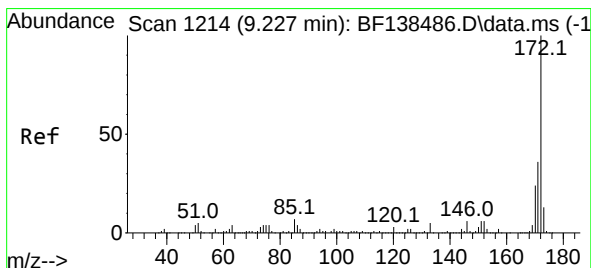
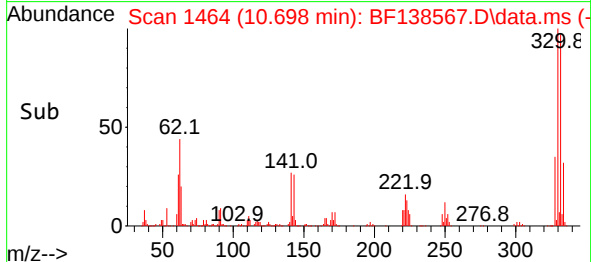
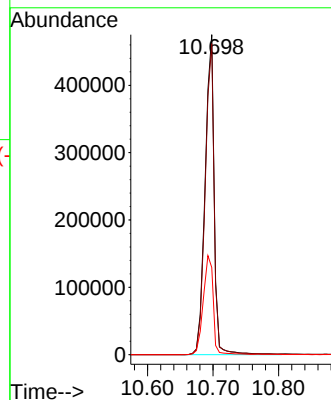
Tgt Ion:330 Resp: 459726

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

141 33.8 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 78.440 ng

RT: 9.227 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF138567.D

Acq: 15 Jul 2024 13:57

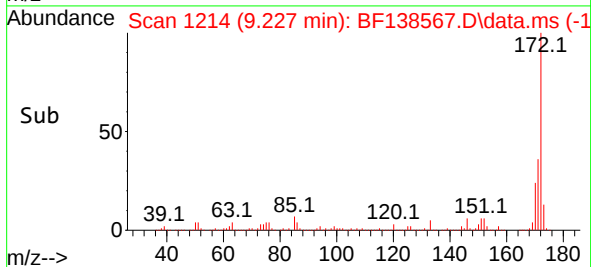
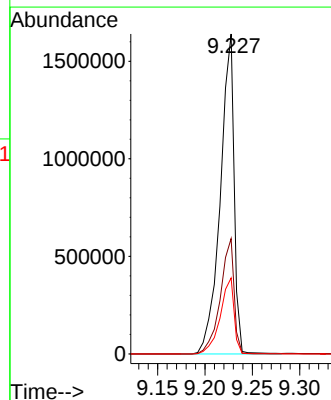
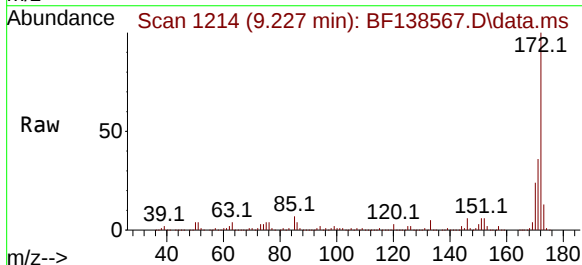
Tgt Ion:172 Resp: 1668017

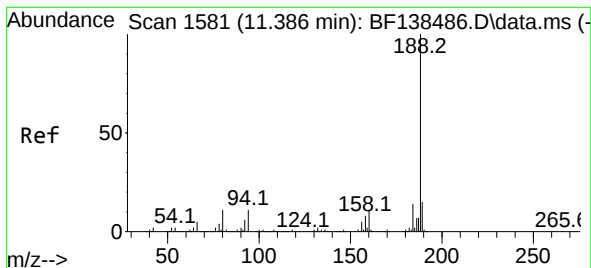
Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 23.7 18.9 28.3

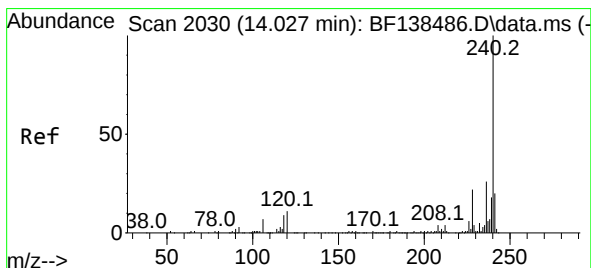
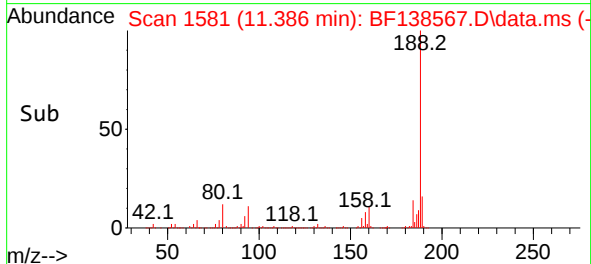
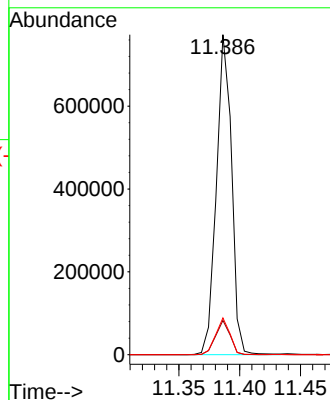
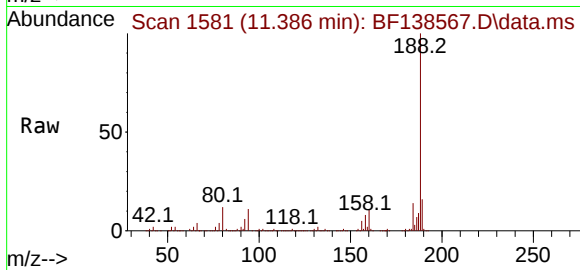




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138567.D  
Acq: 15 Jul 2024 13:57

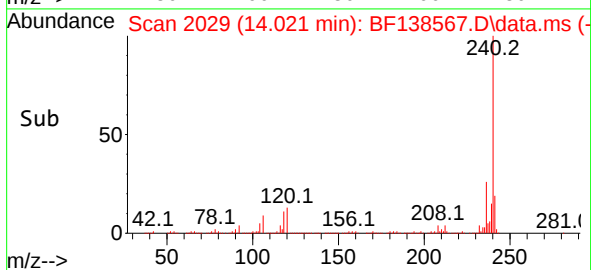
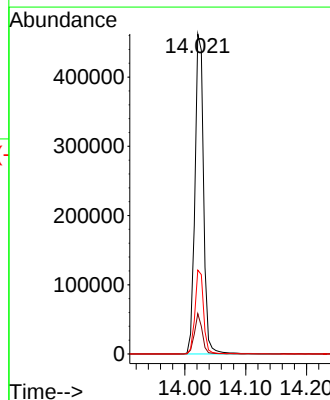
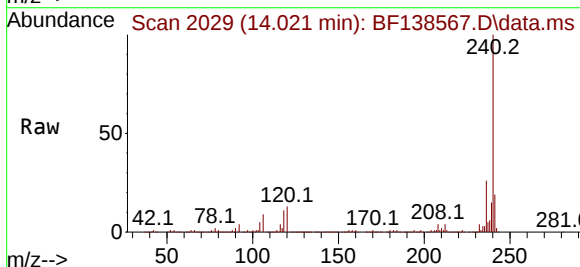
Instrument :  
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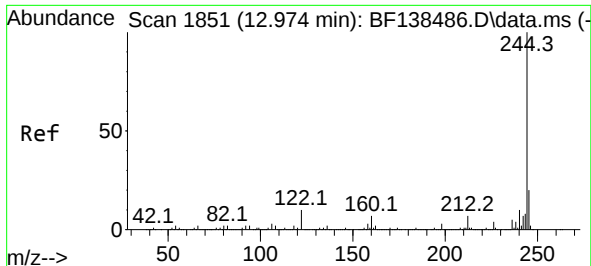
Tgt Ion:188 Resp: 669450  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.7 13.1  
80 11.5 9.0 13.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF138567.D  
Acq: 15 Jul 2024 13:57

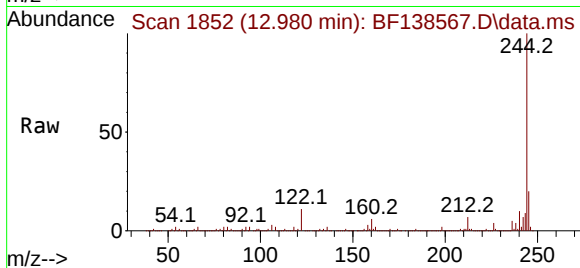
Tgt Ion:240 Resp: 456720  
Ion Ratio Lower Upper  
240 100  
120 12.6 8.6 12.8  
236 26.2 21.0 31.6





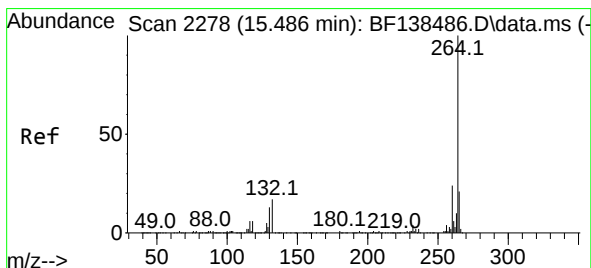
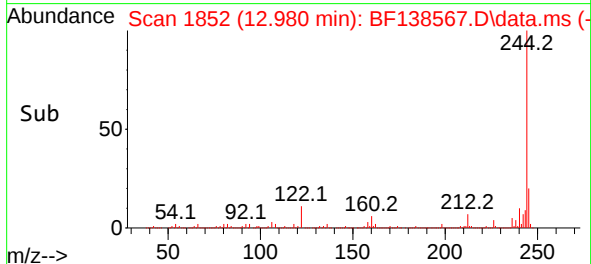
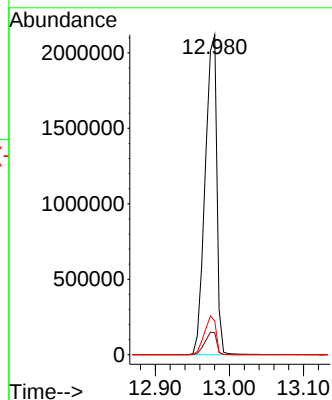
#79  
 Terphenyl-d14  
 Concen: 82.697 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. 0.006 min  
 Lab File: BF138567.D  
 Acq: 15 Jul 2024 13:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162036BL



Tgt Ion:244 Resp: 2318396  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.9   | 5.5   | 8.3   |
| 122 | 10.5  | 7.8   | 11.8  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.492 min Scan# 2279  
 Delta R.T. 0.006 min  
 Lab File: BF138567.D  
 Acq: 15 Jul 2024 13:57

Tgt Ion:264 Resp: 281071  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 19.0  | 28.6  |
| 265 | 21.6  | 17.0  | 25.4  |

