

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051823\  
 Data File : BF133441.D  
 Acq On : 18 May 2023 16:38  
 Operator : CG\JU  
 Sample : 02828-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4

Quant Time: May 18 19:06:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 18 18:12:00 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.710  | 152  | 188337   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.998  | 136  | 716331   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.751  | 164  | 339746   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.233 | 188  | 663235   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.868 | 240  | 642815   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.292 | 264  | 556306   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.328  | 112  | 1499016  | 120.233 | ng    | 0.00     |
| 7) Phenol-d6                | 6.363  | 99   | 1786576  | 115.450 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.281  | 82   | 1099682  | 82.863  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.539 | 330  | 437260   | 127.974 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.075  | 172  | 1796459  | 88.462  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.827 | 244  | 2573178  | 69.038  | ng    | 0.00     |

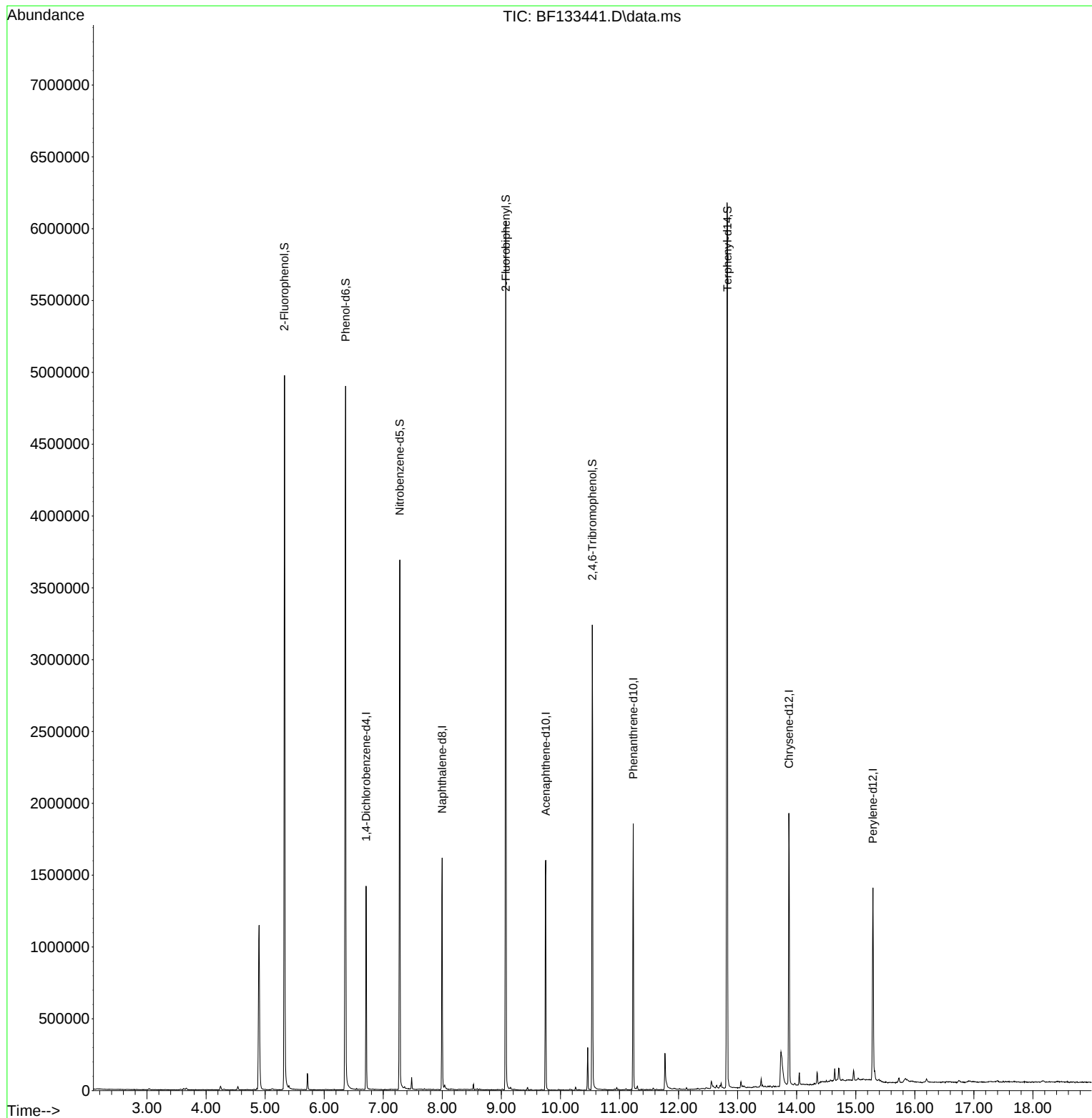
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

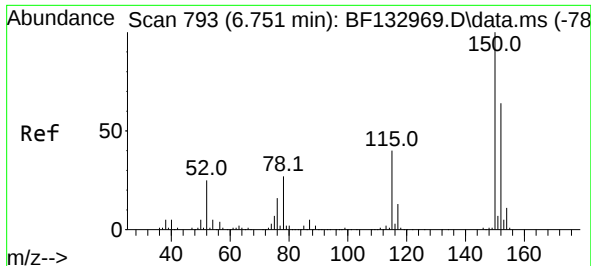
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 19:06:43 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 18 18:12:00 2023  
Response via : Initial Calibration

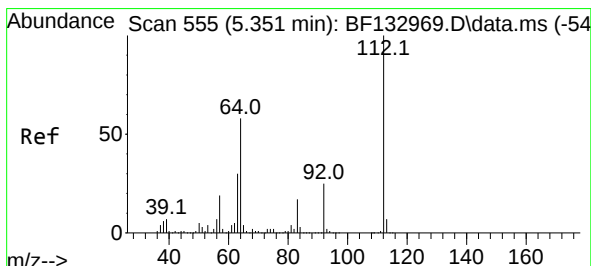
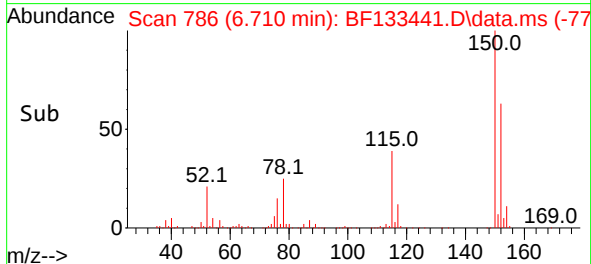
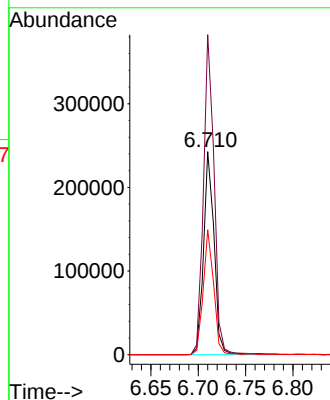
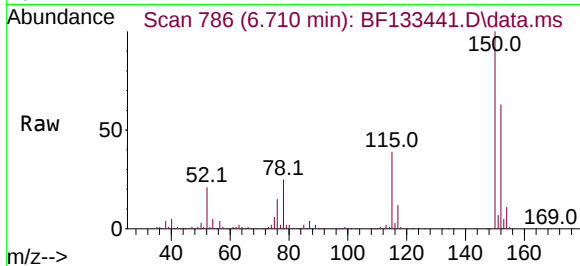




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.710 min Scan# 793  
 Delta R.T. -0.006 min  
 Lab File: BF133441.D  
 Acq: 18 May 2023 16:38

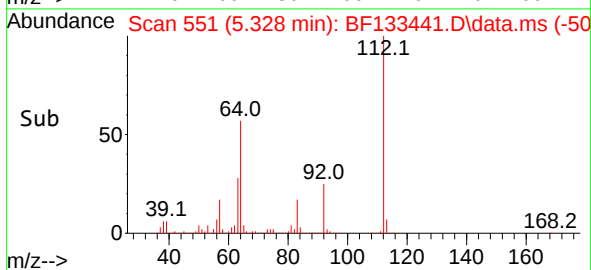
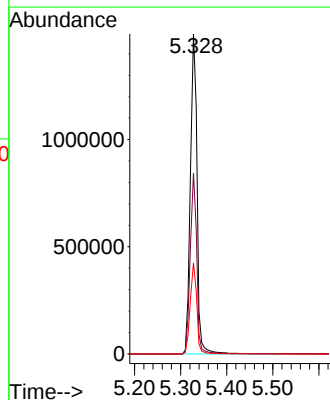
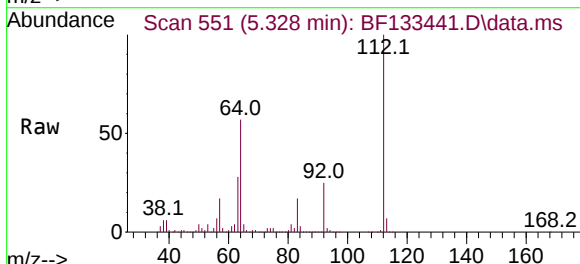
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-4

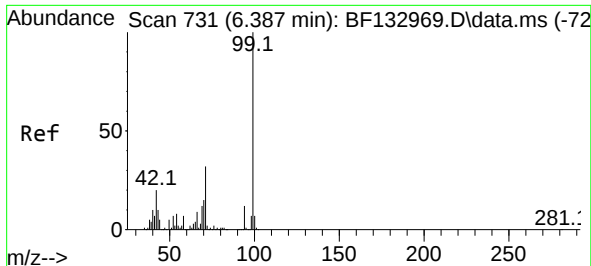
Tgt Ion:152 Resp: 188337  
 Ion Ratio Lower Upper  
 152 100  
 150 157.6 124.8 187.2  
 115 61.6 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 120.233 ng  
 RT: 5.328 min Scan# 551  
 Delta R.T. -0.000 min  
 Lab File: BF133441.D  
 Acq: 18 May 2023 16:38

Tgt Ion:112 Resp: 1499016  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 46.8 70.2  
 63 28.4 23.8 35.8

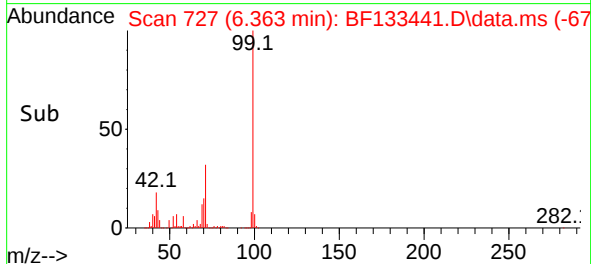
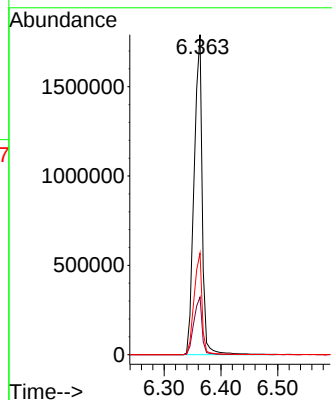
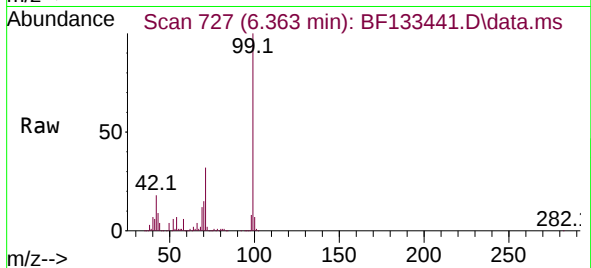




#7  
Phenol-d6  
Concen: 115.450 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF133441.D  
Acq: 18 May 2023 16:38

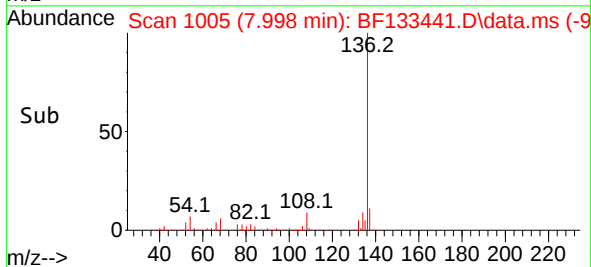
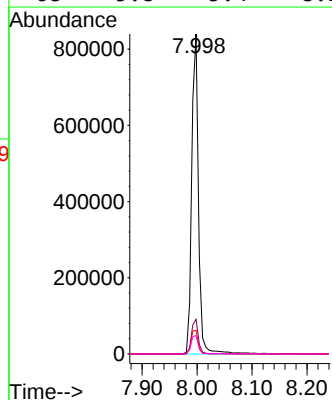
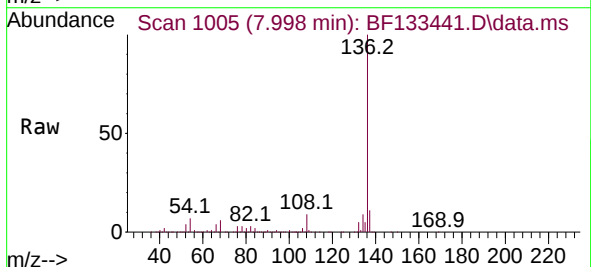
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4

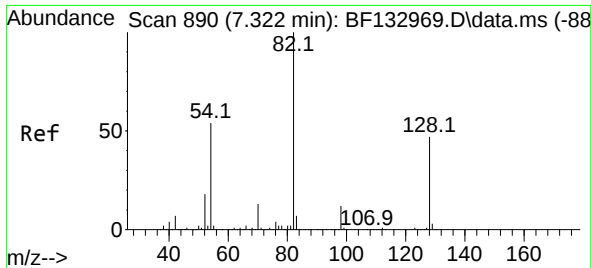
Tgt Ion: 99 Resp: 1786576  
Ion Ratio Lower Upper  
99 100  
42 18.0 16.3 24.5  
71 31.8 25.6 38.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.998 min Scan# 1005  
Delta R.T. -0.006 min  
Lab File: BF133441.D  
Acq: 18 May 2023 16:38

Tgt Ion: 136 Resp: 716331  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.4 7.0 10.4  
68 5.8 5.4 8.2

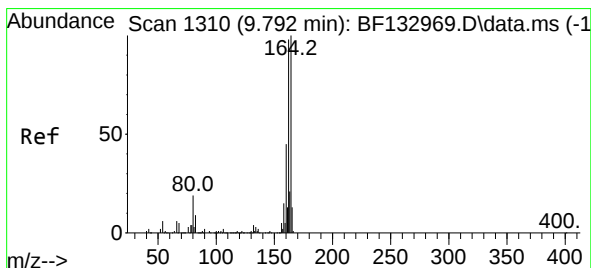
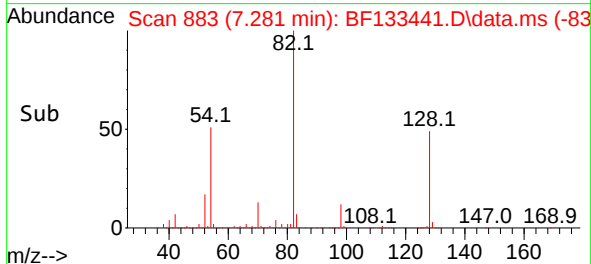
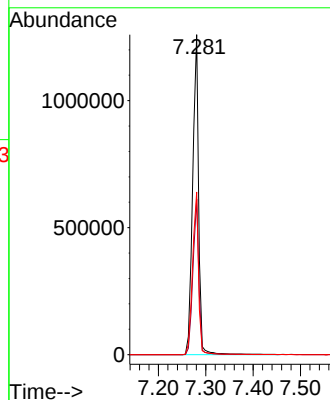
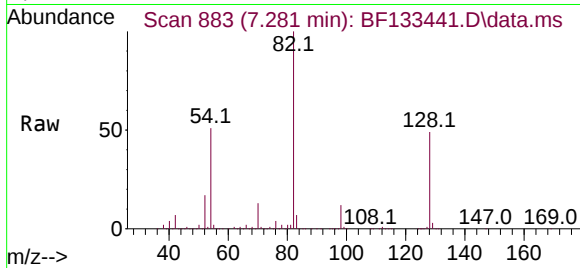




#23  
Nitrobenzene-d5  
Concen: 82.863 ng  
RT: 7.281 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF133441.D  
Acq: 18 May 2023 16:38

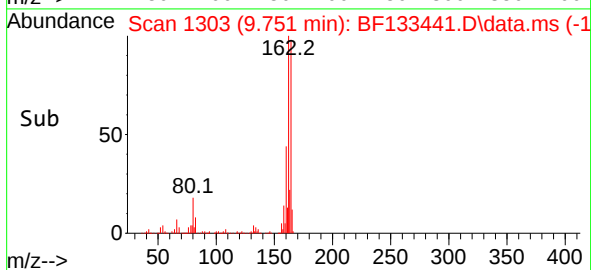
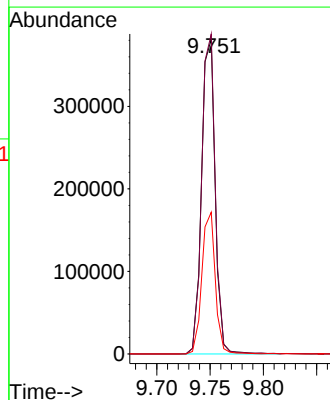
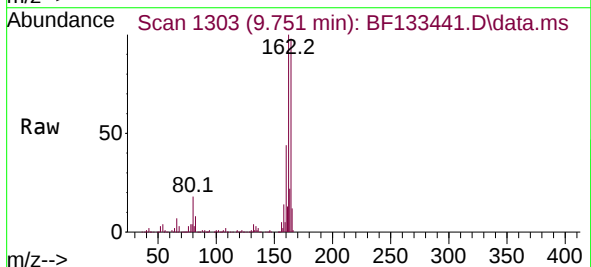
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4

Tgt Ion: 82 Resp: 1099682  
Ion Ratio Lower Upper  
82 100  
128 48.6 37.7 56.5  
54 50.9 43.0 64.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.751 min Scan# 1303  
Delta R.T. -0.006 min  
Lab File: BF133441.D  
Acq: 18 May 2023 16:38

Tgt Ion: 164 Resp: 339746  
Ion Ratio Lower Upper  
164 100  
162 101.6 78.7 118.1  
160 45.0 35.8 53.6

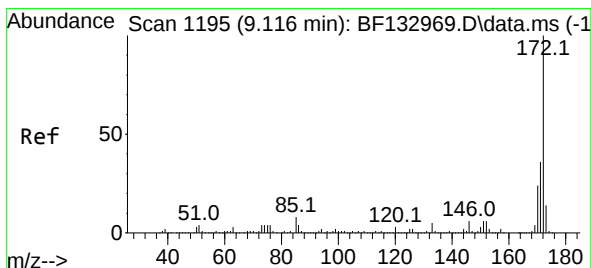
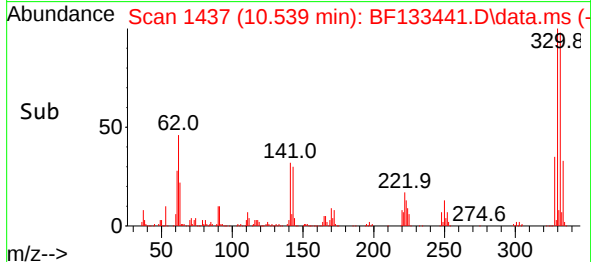
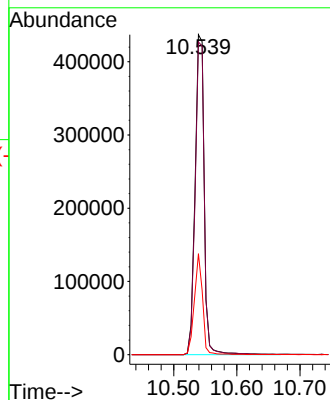
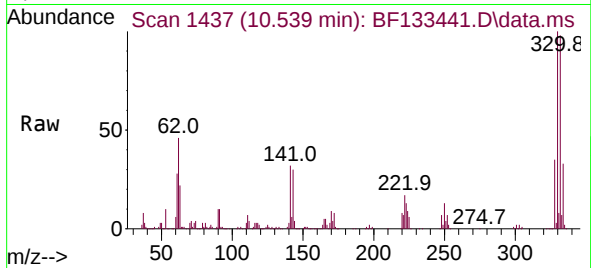




#42  
2,4,6-Tribromophenol  
Concen: 127.974 ng  
RT: 10.539 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: BF133441.D  
Acq: 18 May 2023 16:38

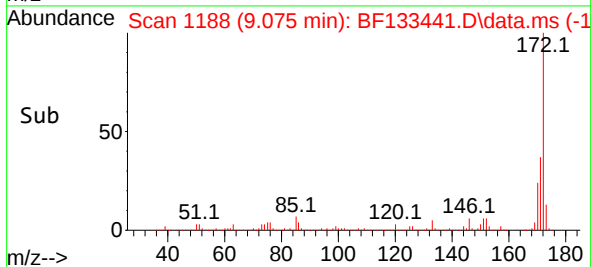
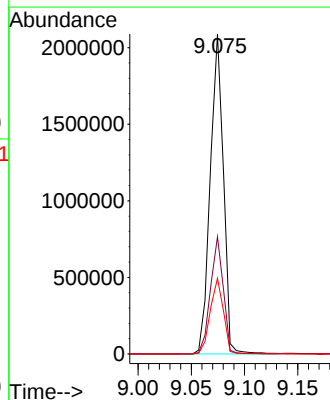
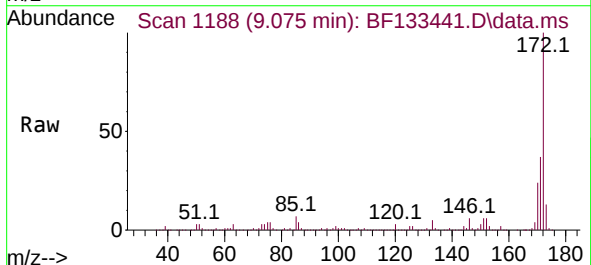
Instrument :  
BNA\_F  
ClientSampleId :  
SB-4

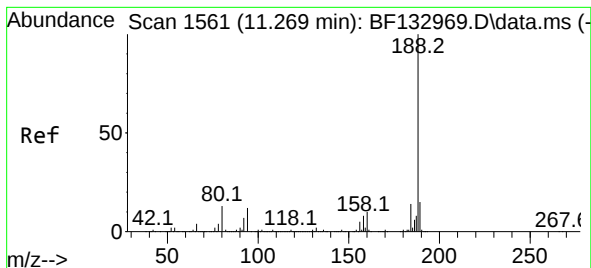
Tgt Ion:330 Resp: 437260  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.1 115.7  
141 28.4 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 88.462 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. -0.006 min  
Lab File: BF133441.D  
Acq: 18 May 2023 16:38

Tgt Ion:172 Resp: 1796459  
Ion Ratio Lower Upper  
172 100  
171 36.7 28.8 43.2  
170 23.7 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

Instrument :

BNA\_F

ClientSampleId :

SB-4

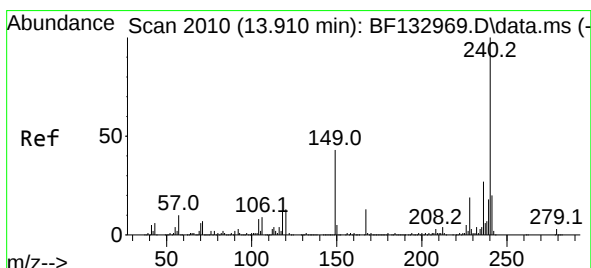
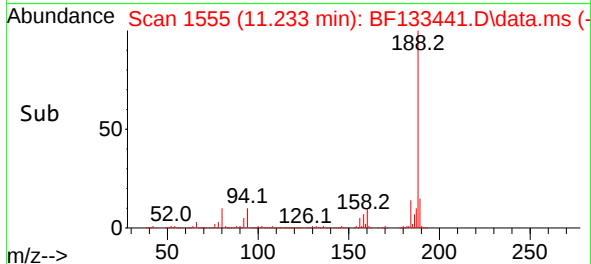
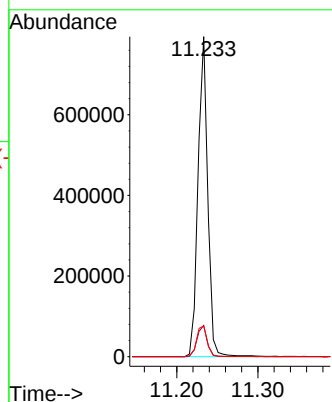
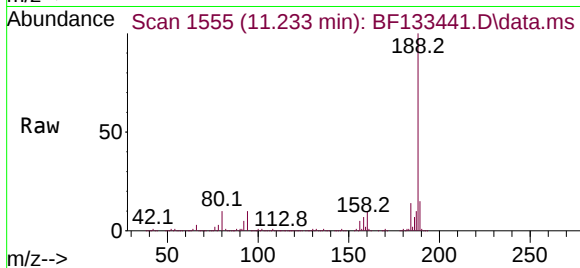
Tgt Ion:188 Resp: 663235

Ion Ratio Lower Upper

188 100

94 9.8 9.7 14.5

80 9.6 10.4 15.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133441.D

Acq: 18 May 2023 16:38

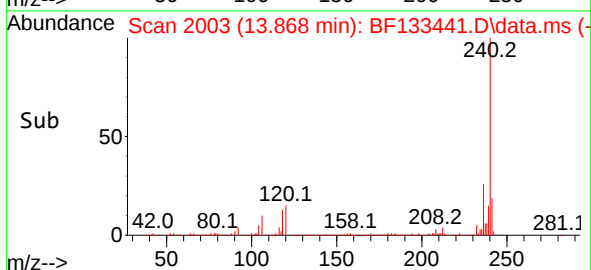
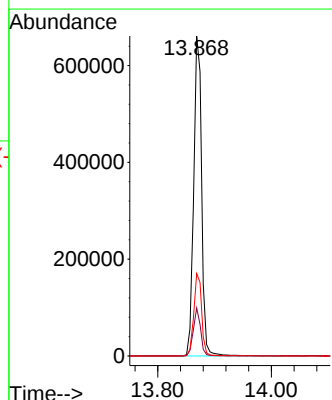
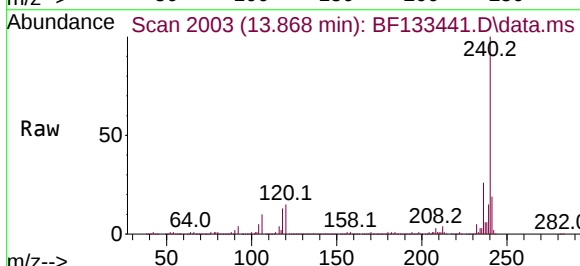
Tgt Ion:240 Resp: 642815

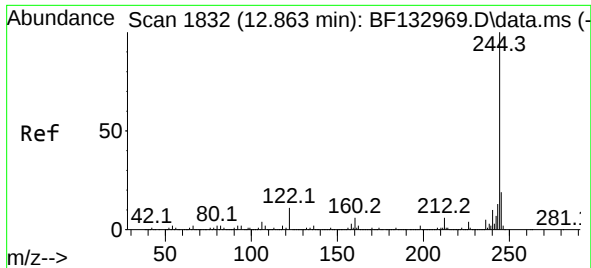
Ion Ratio Lower Upper

240 100

120 15.0 10.5 15.7

236 25.7 21.5 32.3

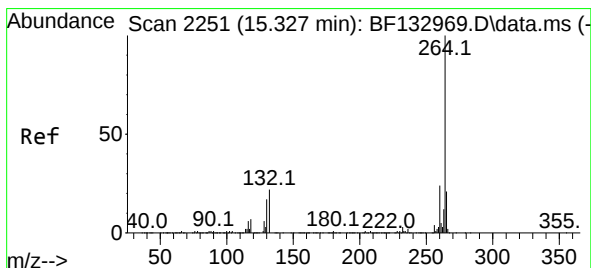
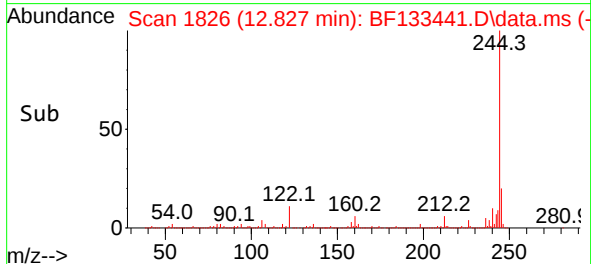
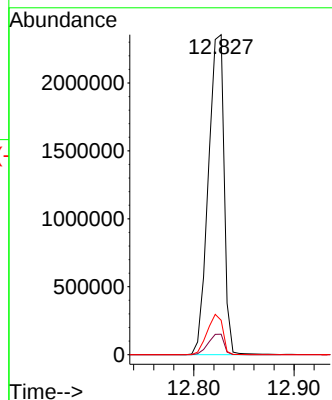
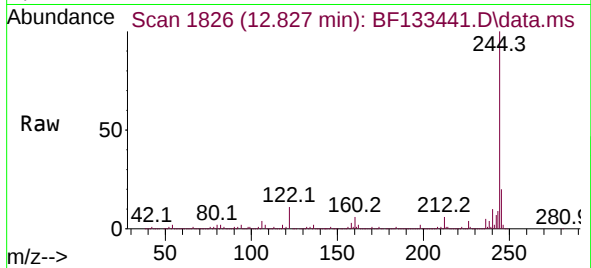




#79  
 Terphenyl-d14  
 Concen: 69.038 ng  
 RT: 12.827 min Scan# 1826  
 Delta R.T. -0.000 min  
 Lab File: BF133441.D  
 Acq: 18 May 2023 16:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:244 Resp: 2573178  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.1 7.7  
 122 10.8 8.6 13.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.292 min Scan# 2245  
 Delta R.T. -0.006 min  
 Lab File: BF133441.D  
 Acq: 18 May 2023 16:38

Tgt Ion:264 Resp: 556306  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.8 28.2  
 265 21.6 17.0 25.4

