

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
 Data File : BF136519.D  
 Acq On : 12 Dec 2023 16:49  
 Operator : CG\JU  
 Sample : 05701-01 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-06-120723

Quant Time: Dec 12 17:18:42 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

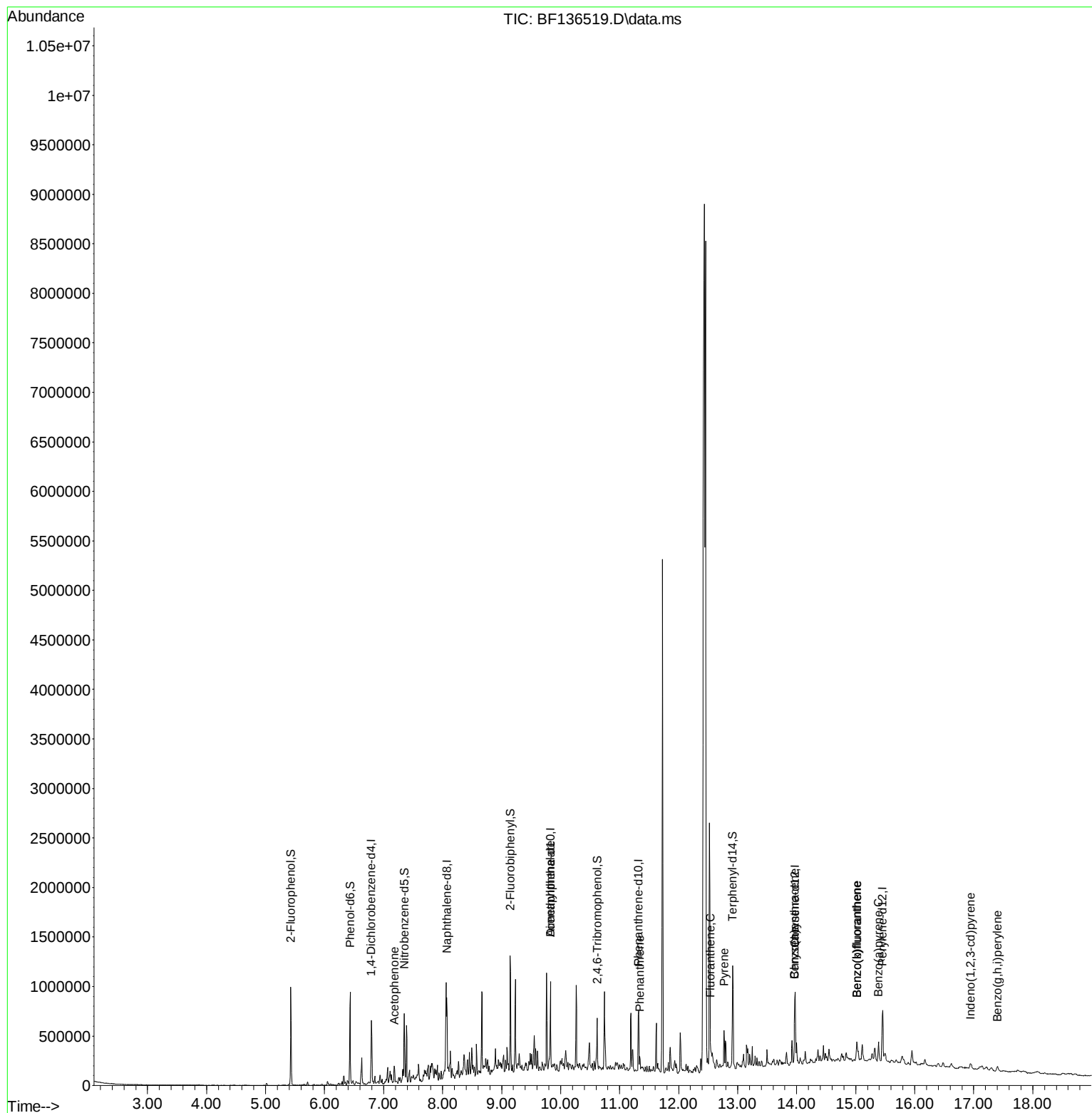
| Compound                    | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-----------|-------|----------|
| -----                       |        |      |          |           |       |          |
| Internal Standards          |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.793  | 152  | 88336    | 20.000    | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.069  | 136  | 324888   | 20.000    | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.828  | 164  | 148664   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.322 | 188  | 235980   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12            | 13.974 | 240  | 216368   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12            | 15.457 | 264  | 251563   | 20.000    | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 264004   | 44.137    | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 311986   | 41.805    | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.351  | 82   | 180029   | 29.956    | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.622 | 330  | 67769    | 36.971    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.145  | 172  | 355556   | 32.634    | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.916 | 244  | 342871   | 20.887    | ng    | 0.00     |
| Target Compounds            |        |      |          |           |       |          |
|                             |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde             | 6.351  | 77   | 1113     | Below Cal | #     | 1        |
| 22) Acetophenone            | 7.187  | 105  | 19611    | 2.444     | ng    | # 58     |
| 50) Dimethylphthalate       | 9.828  | 163  | 31256    | 2.856     | ng    | # 1      |
| 71) Phenanthrene            | 11.339 | 178  | 51203    | 3.948     | ng    | 96       |
| 75) Fluoranthene            | 12.539 | 202  | 92145    | 6.779     | ng    | 98       |
| 77) Benzidine               | 12.639 | 184  | 1231     | Below Cal | #     | 1        |
| 78) Pyrene                  | 12.769 | 202  | 143611   | 6.777     | ng    | 96       |
| 81) Benzo(a)anthracene      | 13.963 | 228  | 87698    | 5.819     | ng    | 91       |
| 83) Chrysene                | 13.963 | 228  | 87698    | 5.914     | ng    | 94       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.945 | 276  | 35490    | 2.031     | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.021 | 252  | 141847   | 8.247     | ng    | # 94     |
| 89) Benzo(k)fluoranthene    | 15.021 | 252  | 141847   | 8.751     | ng    | # 94     |
| 90) Benzo(a)pyrene          | 15.386 | 252  | 90065    | 6.341     | ng    | 95       |
| 92) Benzo(g,h,i)perylene    | 17.404 | 276  | 40949    | 2.786     | ng    | 96       |
| -----                       |        |      |          |           |       |          |

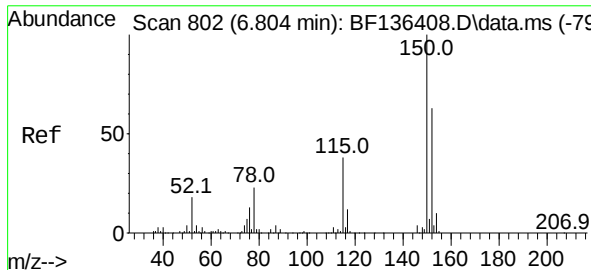
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
Data File : BF136519.D  
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Sample : 05701-01 2X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-120723

Quant Time: Dec 12 17:18:42 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





1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.793 min Scan# 802

Delta R.T. -0.011 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA\_F

ClientSampleId :

TR-06-120723

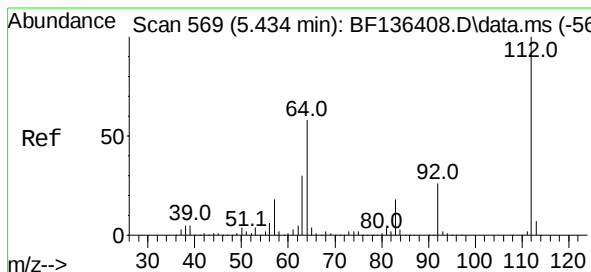
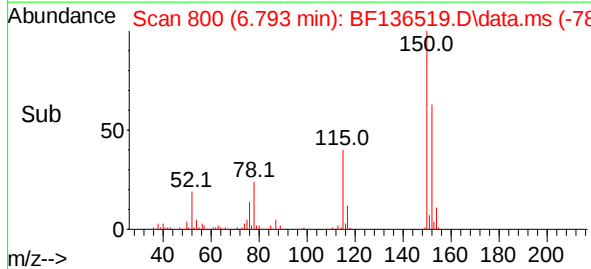
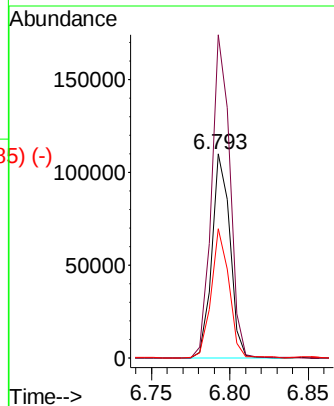
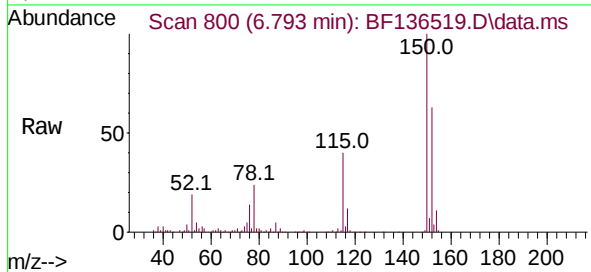
Tgt Ion:152 Resp: 88336

Ion Ratio Lower Upper

152 100

150 158.3 126.4 189.6

115 63.4 48.2 72.4



2-Fluorophenol

Concen: 44.137 ng

RT: 5.428 min Scan# 568

Delta R.T. -0.006 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

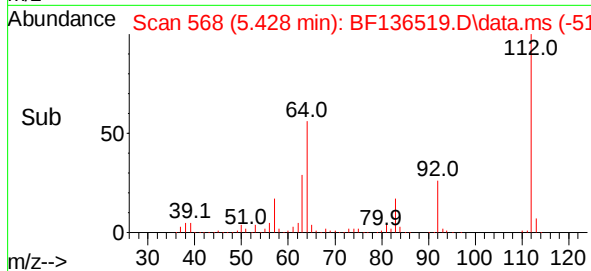
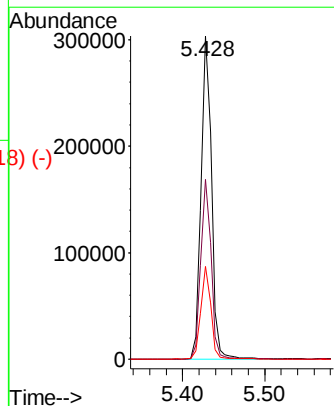
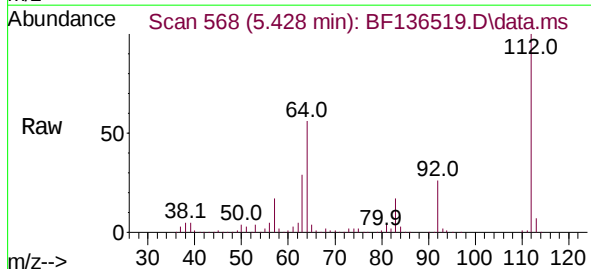
Tgt Ion:112 Resp: 264004

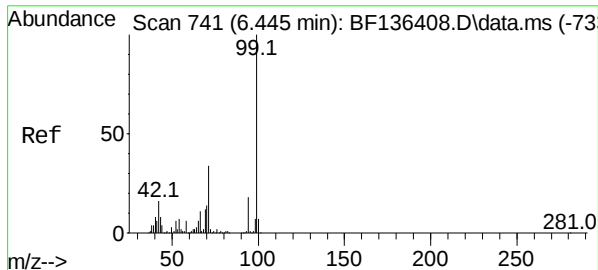
Ion Ratio Lower Upper

112 100

64 55.7 46.5 69.7

63 28.7 23.9 35.9





Phenol-d6

Concen: 41.805 ng

RT: 6.434 min Scan#

Delta R.T. -0.012 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA\_F

ClientSampleId :

TR-06-120723

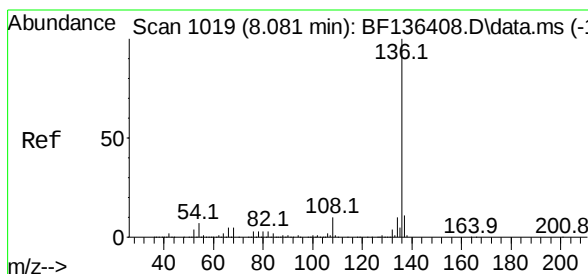
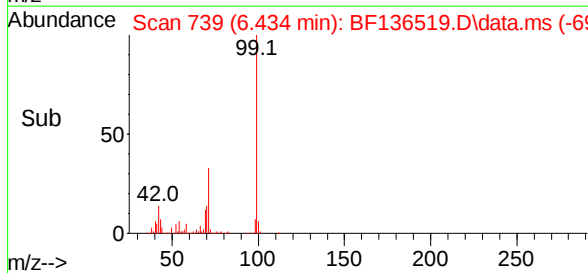
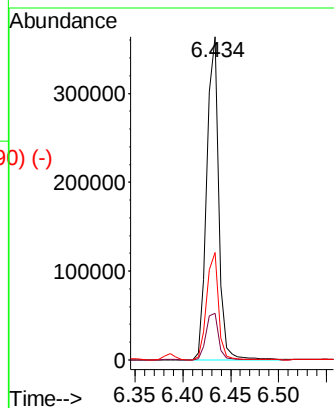
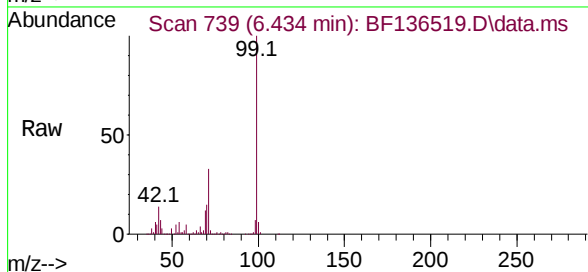
Tgt Ion: 99 Resp: 311986

Ion Ratio Lower Upper

99 100

42 14.4 12.8 19.2

71 33.4 27.0 40.4



Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Tgt Ion: 136 Resp: 324888

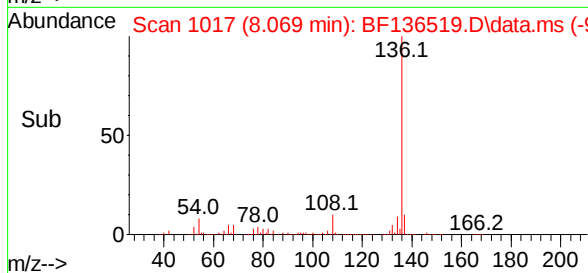
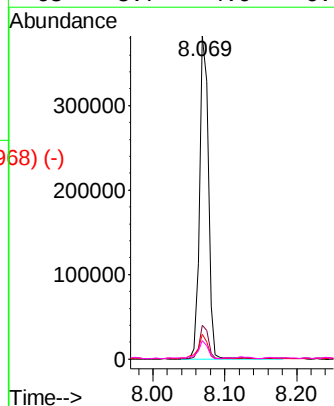
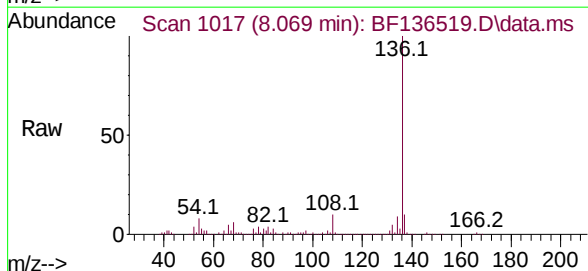
Ion Ratio Lower Upper

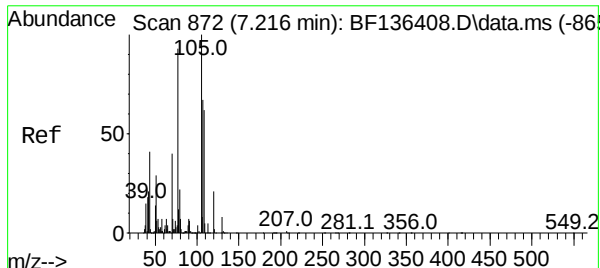
136 100

137 10.5 8.6 12.8

54 7.7 5.7 8.5

68 5.7 4.0 6.0





Acetophenone

Concen: 2.444 ng

RT: 7.187 min Scan# 867

Delta R.T. -0.029 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA\_F

ClientSampleId :

TR-06-120723

Tgt Ion:105 Resp: 19611

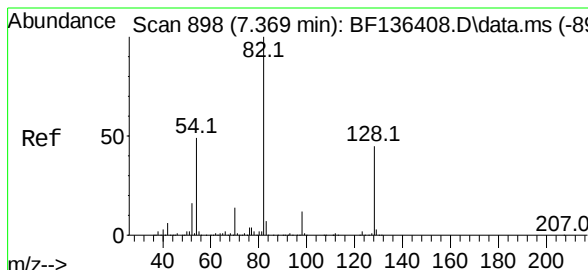
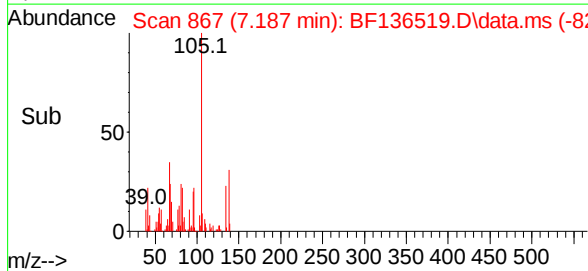
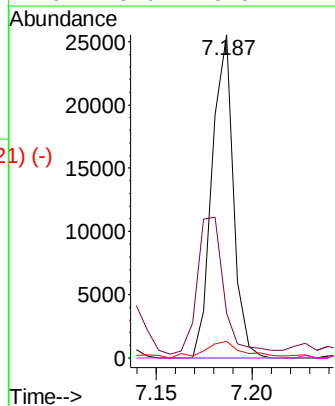
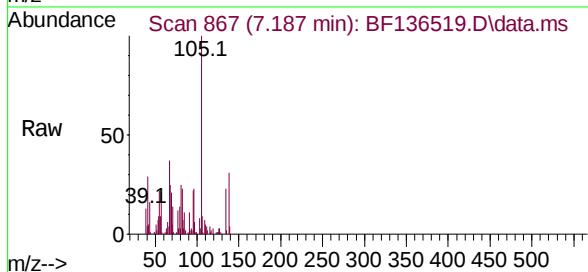
Ion Ratio Lower Upper

105 100

71 13.9 5.4 8.0#

51 5.1 23.4 35.2#

120 0.0 16.6 24.8#



Nitrobenzene-d5

Concen: 29.956 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

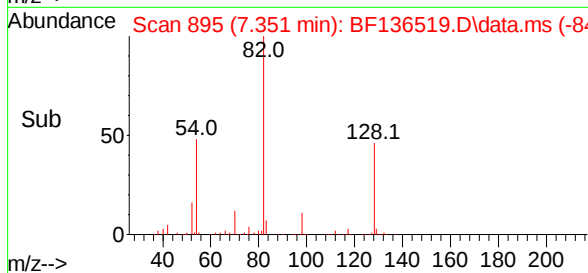
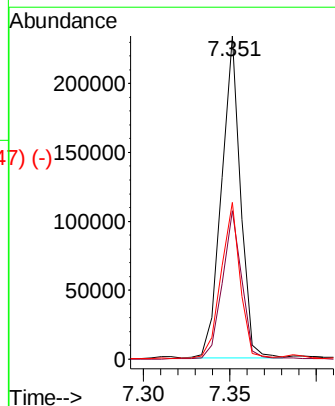
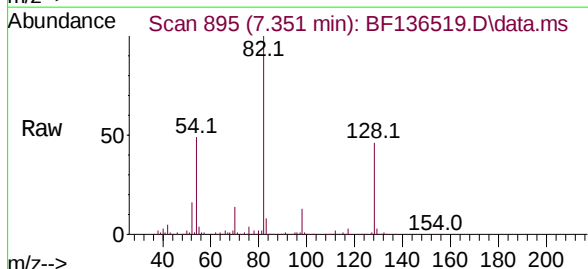
Tgt Ion: 82 Resp: 180029

Ion Ratio Lower Upper

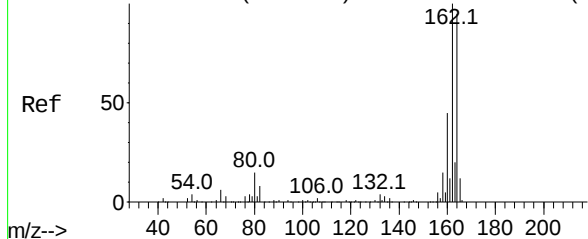
82 100

128 45.8 36.3 54.5

54 48.5 39.0 58.6



Abundance Scan 1318 (9.839 min): BF136408.D\data.ms (-1318) (-)



Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA\_F

ClientSampleId :

TR-06-120723

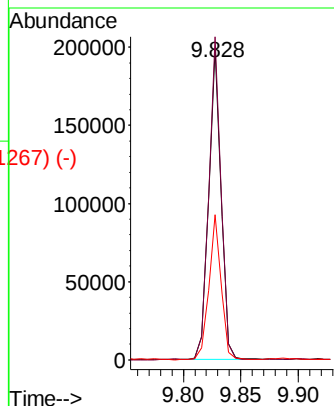
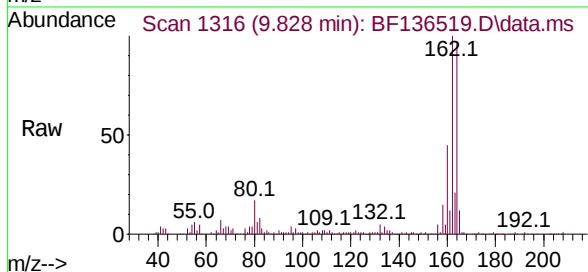
Tgt Ion:164 Resp: 148664

Ion Ratio Lower Upper

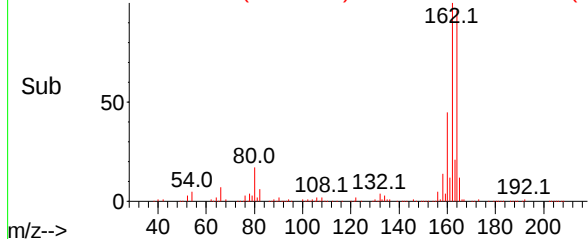
164 100

162 103.9 84.4 126.6

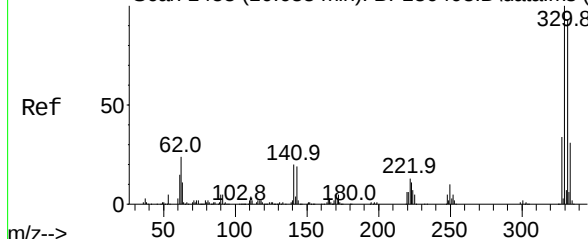
160 46.6 37.6 56.4



Abundance Scan 1316 (9.828 min): BF136519.D\data.ms (-1267) (-)



Abundance Scan 1453 (10.633 min): BF136408.D\data.ms (-1453) (-)



2,4,6-Tribromophenol

Concen: 36.971 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

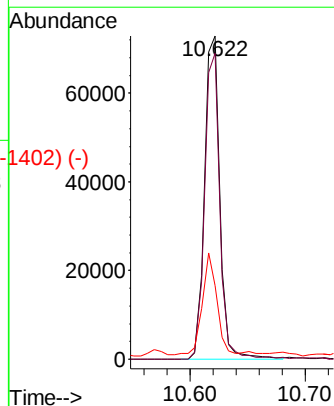
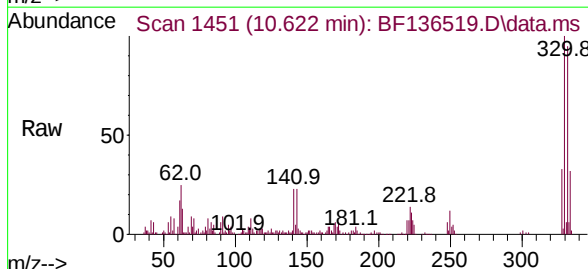
Tgt Ion:330 Resp: 67769

Ion Ratio Lower Upper

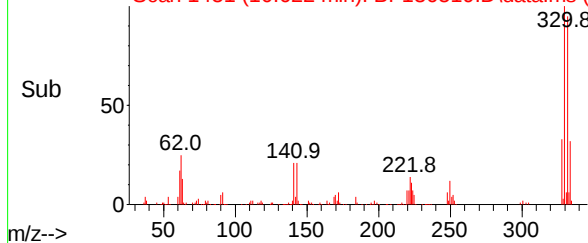
330 100

332 94.2 76.4 114.6

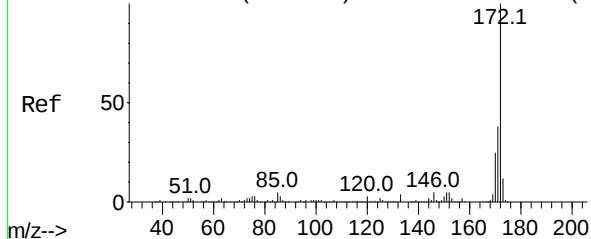
141 29.0 23.4 35.2



Abundance Scan 1451 (10.622 min): BF136519.D\data.ms (-1402) (-)



Abundance Scan 1203 (9.163 min): BF136408.D\data.ms (-119615)



2-Fluorobiphenyl

Concen: 32.634 ng

RT: 9.145 min Scan# 119615

Delta R.T. -0.018 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

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BNA\_F

ClientSampleId :

TR-06-120723

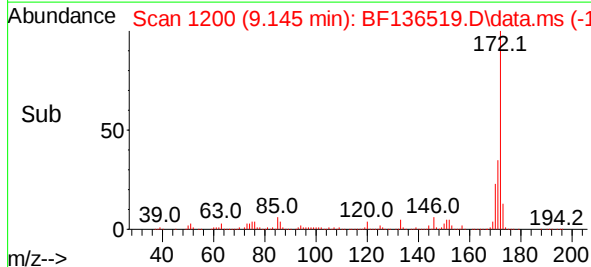
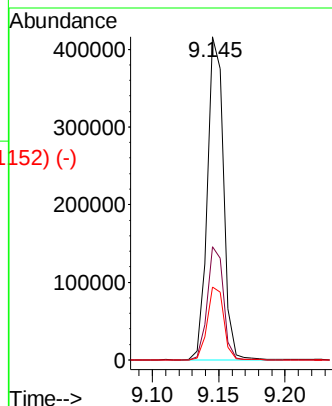
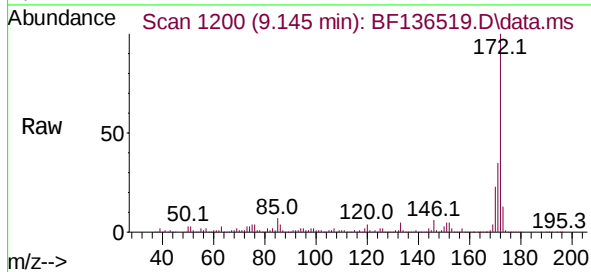
Tgt Ion:172 Resp: 355556

Ion Ratio Lower Upper

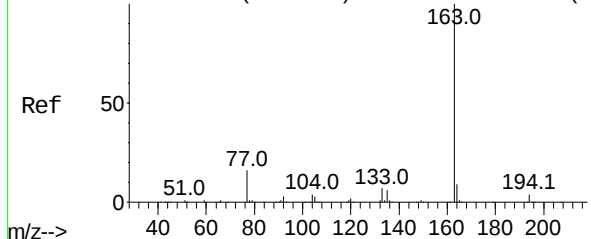
172 100

171 35.0 30.5 45.7

170 22.6 19.9 29.9



Abundance Scan 1272 (9.569 min): BF136408.D\data.ms (-126450)



Dimethylphthalate

Concen: 2.856 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

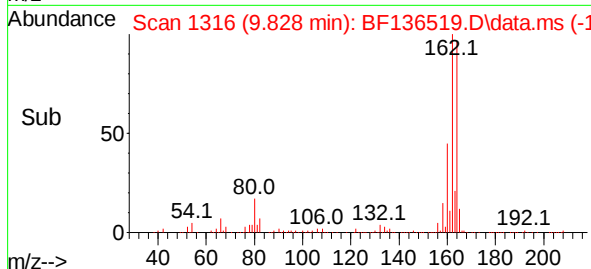
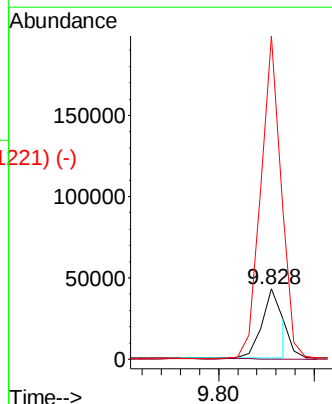
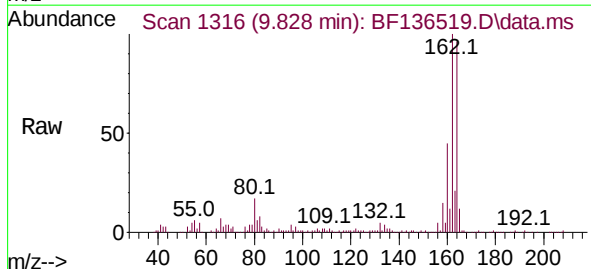
Tgt Ion:163 Resp: 31256

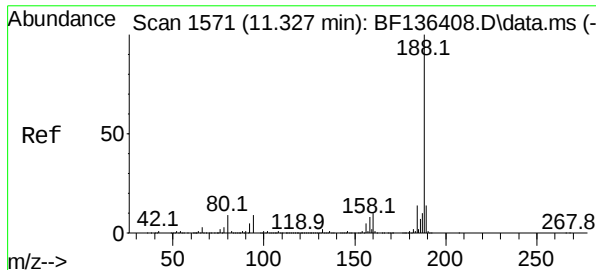
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 460.0 7.4 11.2#

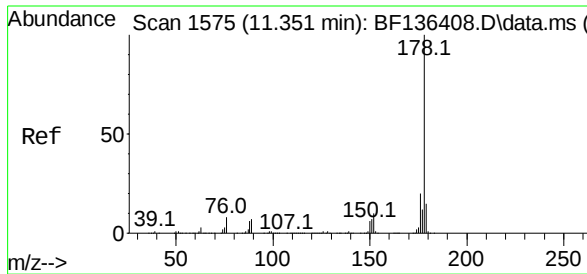
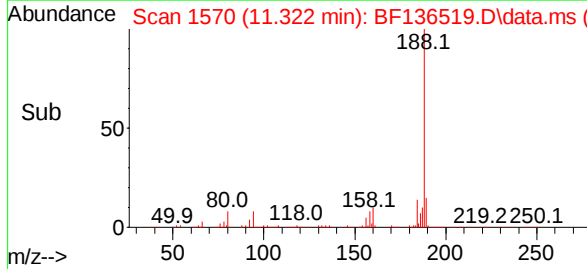
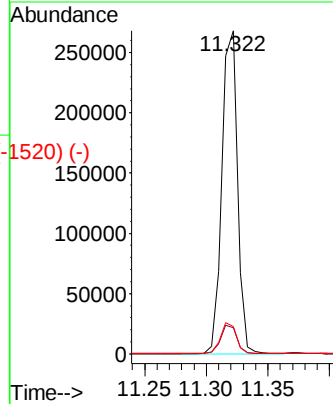
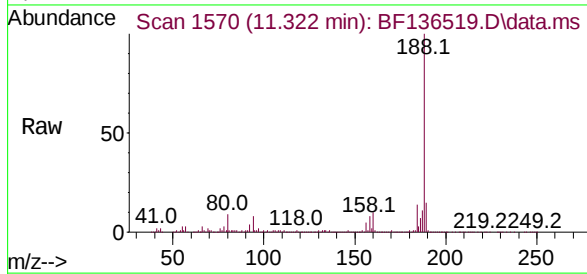




Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.322 min Scan# 1571  
 Delta R.T. -0.006 min  
 Lab File: BF136519.D  
 Acq: 12 Dec 2023 16:49

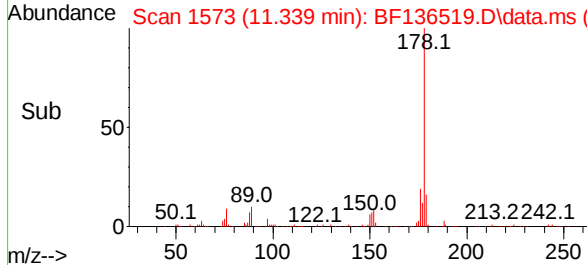
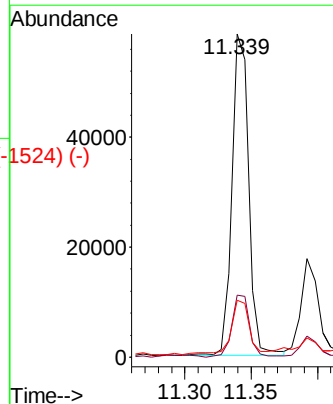
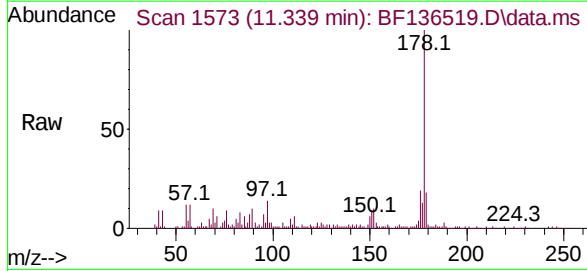
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-06-120723

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 235980 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.1   | 7.2   | 10.8   |
| 80       | 8.5   | 7.2   | 10.8   |

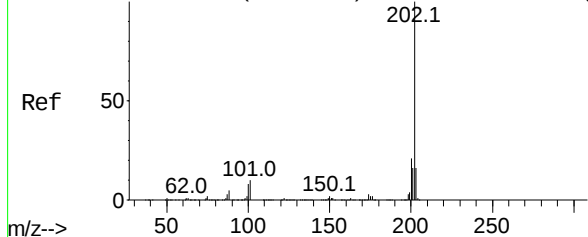


Phenanthrene  
 Concen: 3.948 ng  
 RT: 11.339 min Scan# 1573  
 Delta R.T. -0.012 min  
 Lab File: BF136519.D  
 Acq: 12 Dec 2023 16:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 51203 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 176      | 19.3  | 15.9  | 23.9  |
| 179      | 17.5  | 11.8  | 17.6  |



Abundance Scan 1778 (12.545 min): BF136408.D\data.ms (-1778) (-)



Fluoranthene

Concen: 6.779 ng

RT: 12.539 min Scan#

Delta R.T. -0.006 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

Instrument :

BNA\_F

ClientSampleId :

TR-06-120723

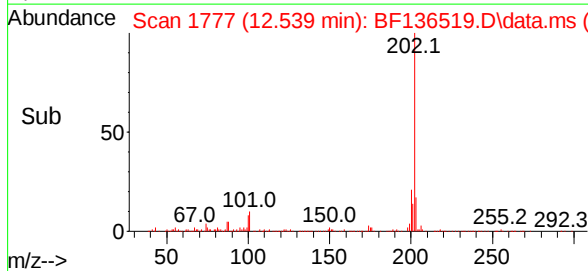
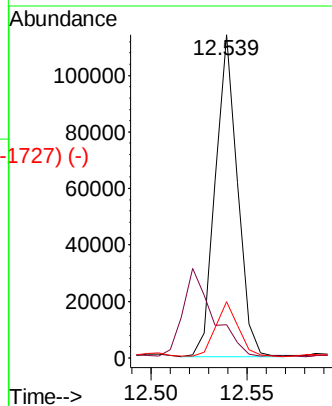
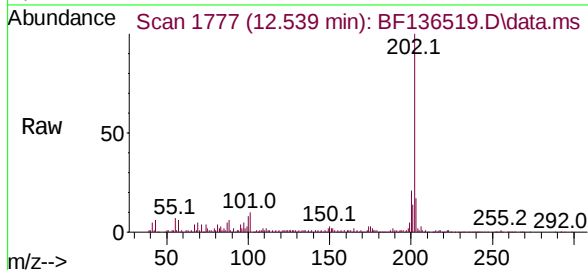
Tgt Ion:202 Resp: 92145

Ion Ratio Lower Upper

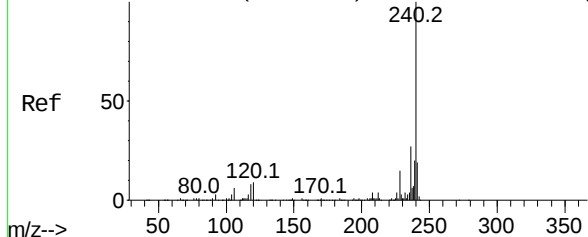
202 100

101 10.2 0.0 29.9

203 17.4 0.0 36.3



Abundance Scan 2022 (13.980 min): BF136408.D\data.ms (-2022) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF136519.D

Acq: 12 Dec 2023 16:49

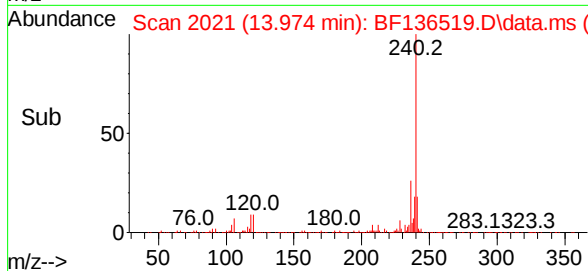
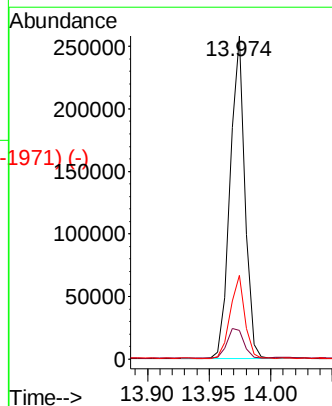
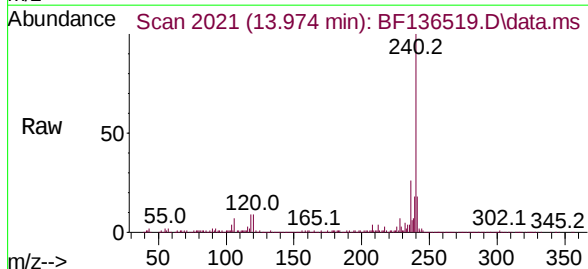
Tgt Ion:240 Resp: 216368

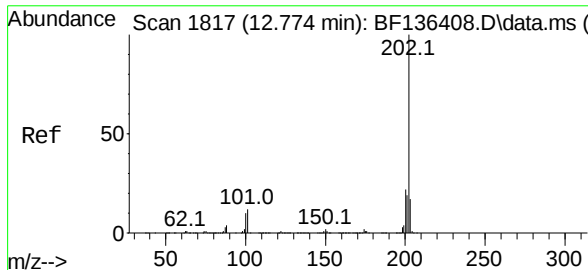
Ion Ratio Lower Upper

240 100

120 8.9 7.3 10.9

236 25.9 21.3 31.9

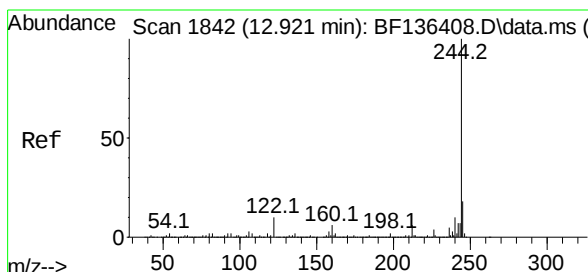
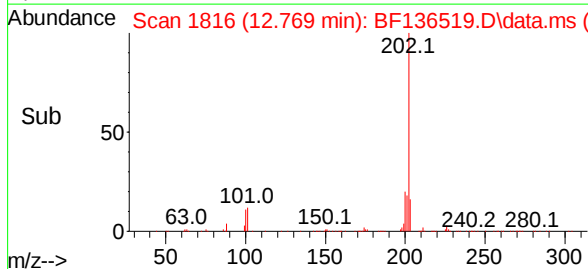
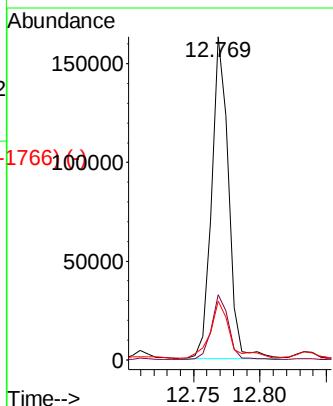
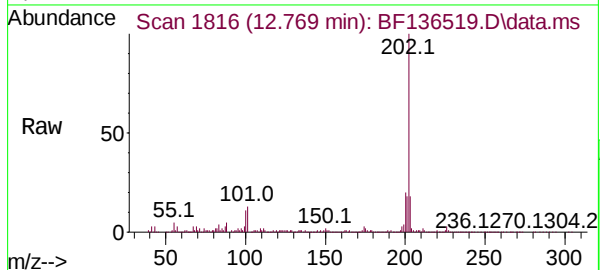




Pyrene  
Concen: 6.777 ng  
RT: 12.769 min Scan# 1816  
Delta R.T. -0.006 min  
Lab File: BF136519.D  
Acq: 12 Dec 2023 16:49

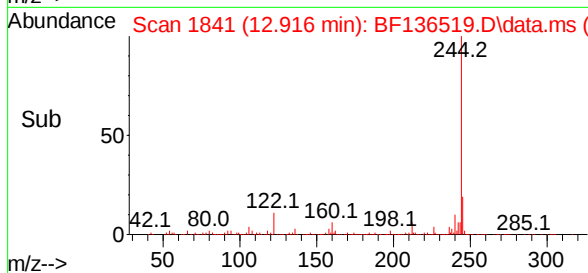
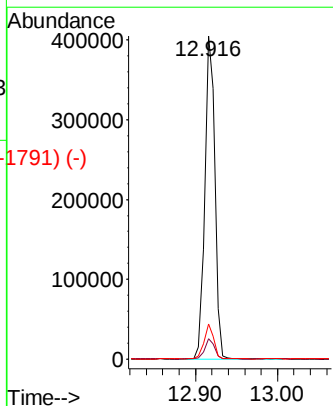
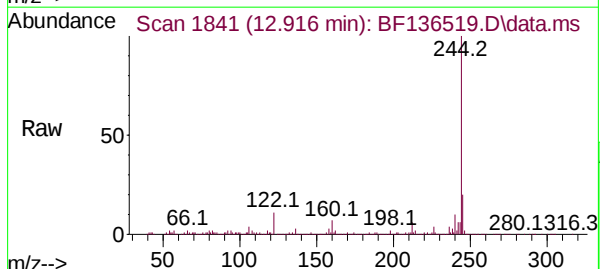
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-120723

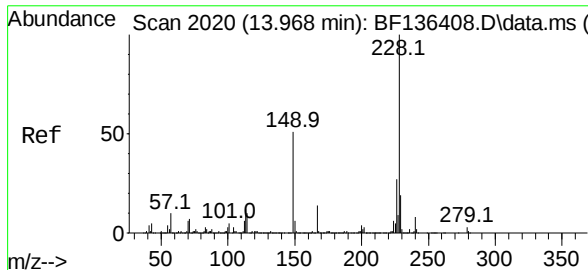
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 143611 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.3  | 18.0  | 27.0   |
| 203       | 18.2  | 13.5  | 20.3   |



Terphenyl-d14  
Concen: 20.887 ng  
RT: 12.916 min Scan# 1841  
Delta R.T. -0.006 min  
Lab File: BF136519.D  
Acq: 12 Dec 2023 16:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 342871 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 6.3   | 5.0   | 7.4    |
| 122       | 10.8  | 8.3   | 12.5   |

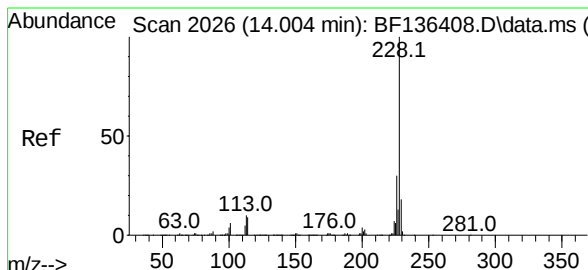
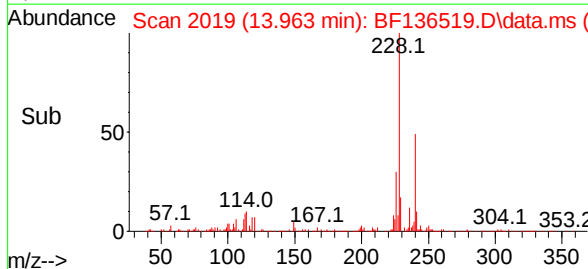
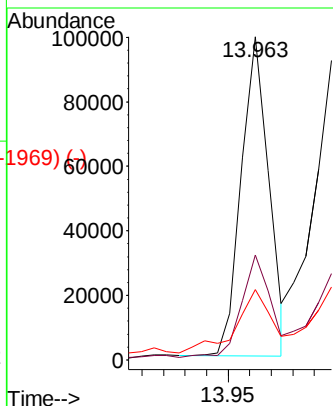
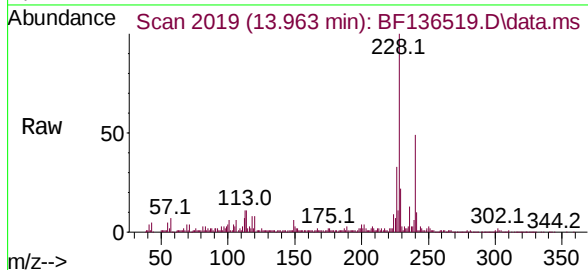




Benzo(a)anthracene  
Concen: 5.819 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF136519.D  
Acq: 12 Dec 2023 16:49

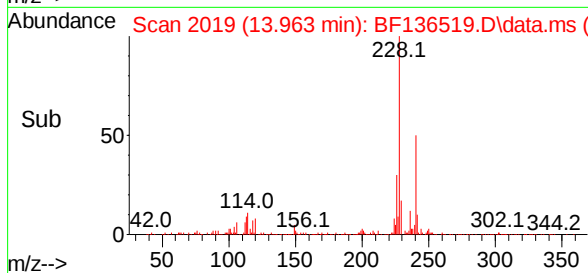
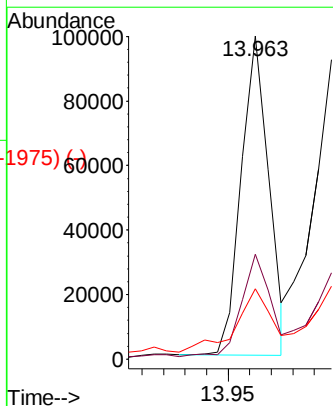
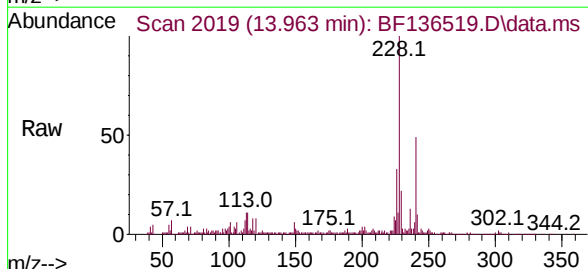
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-120723

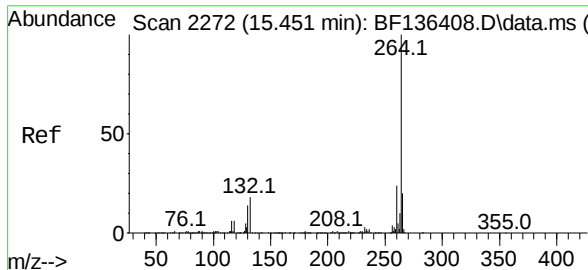
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 87698 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 32.6  | 21.8  | 32.8  |
| 229      | 21.7  | 15.0  | 22.4  |



Chrysene  
Concen: 5.914 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.041 min  
Lab File: BF136519.D  
Acq: 12 Dec 2023 16:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 87698 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 32.6  | 23.8  | 35.6  |
| 229      | 21.7  | 14.8  | 22.2  |

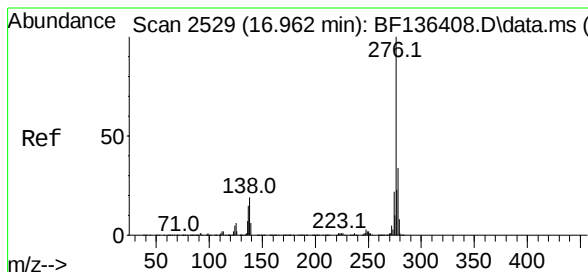
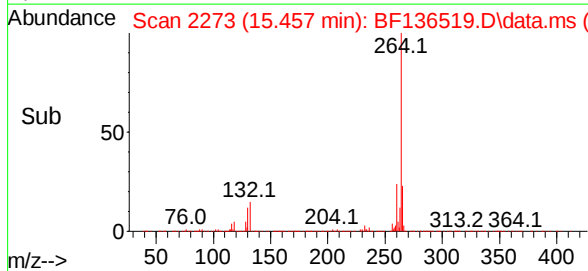
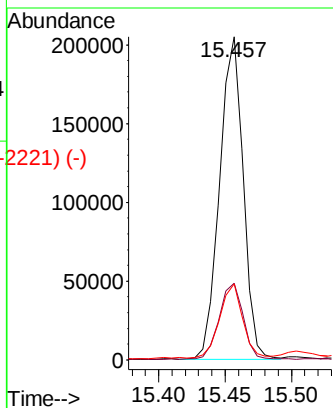
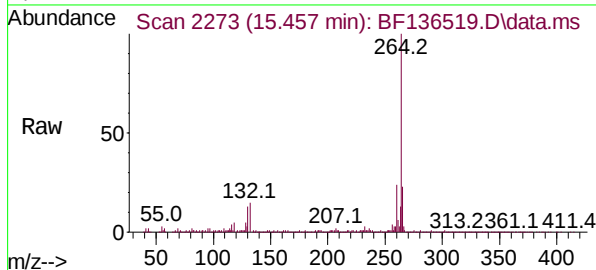




Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2286  
Delta R.T. 0.006 min  
Lab File: BF136519.D  
Acq: 12 Dec 2023 16:49

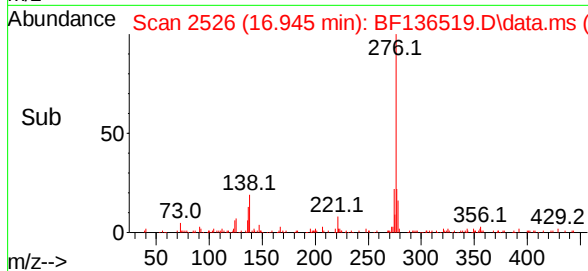
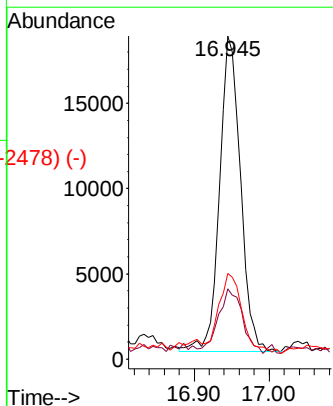
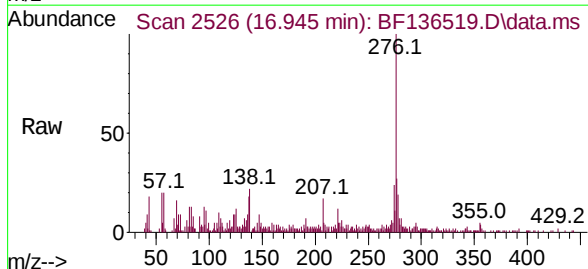
Instrument :  
BNA\_F  
ClientSampleId :  
TR-06-120723

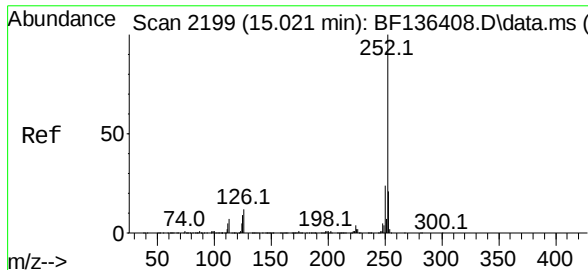
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 251563 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.7  | 19.2  | 28.8   |
| 265      | 23.5  | 15.9  | 23.9   |



Indeno(1,2,3-cd)pyrene  
Concen: 2.031 ng  
RT: 16.945 min Scan# 2526  
Delta R.T. -0.018 min  
Lab File: BF136519.D  
Acq: 12 Dec 2023 16:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 35490 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 24.1  | 19.0  | 28.4  |
| 277      | 29.4  | 20.0  | 30.0  |

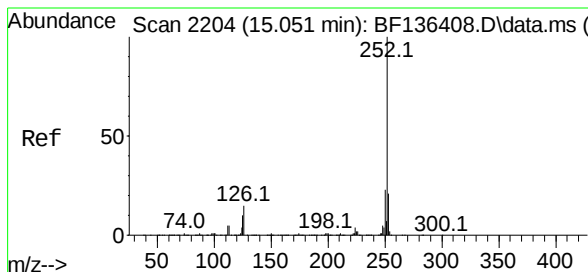
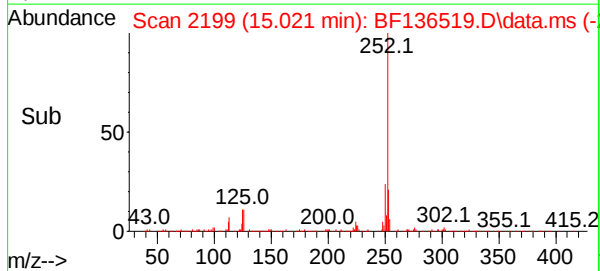
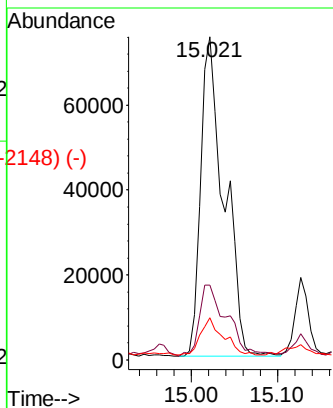
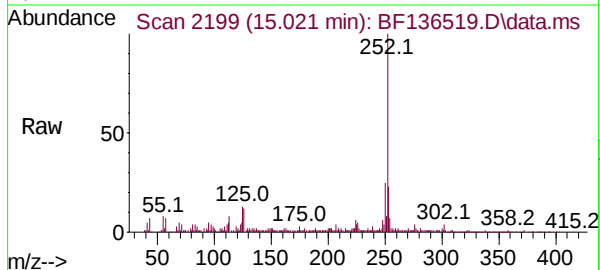




Benzo(b)fluoranthene  
 Concen: 8.247 ng  
 RT: 15.021 min Scan# 2199  
 Delta R.T. 0.000 min  
 Lab File: BF136519.D  
 Acq: 12 Dec 2023 16:49

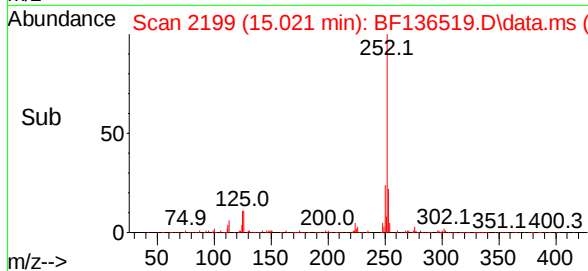
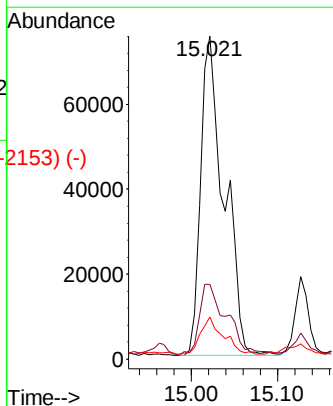
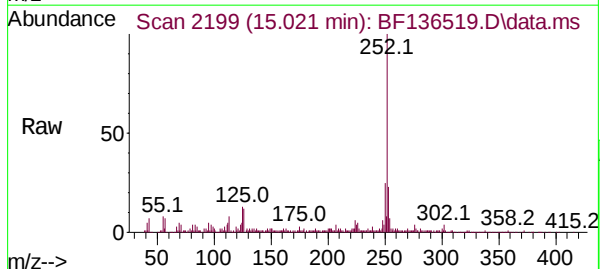
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-06-120723

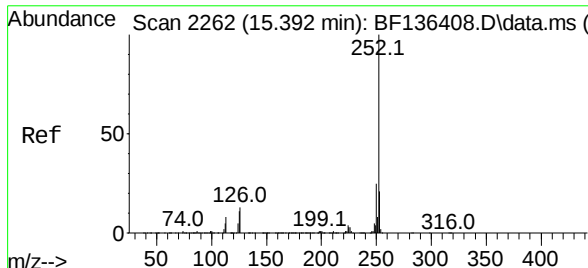
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 141847 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.2  | 16.9  | 25.3   |
| 125       | 13.0  | 7.4   | 11.2#  |



Benzo(k)fluoranthene  
 Concen: 8.751 ng  
 RT: 15.021 min Scan# 2199  
 Delta R.T. -0.029 min  
 Lab File: BF136519.D  
 Acq: 12 Dec 2023 16:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 141847 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.2  | 16.9  | 25.3   |
| 125       | 13.0  | 7.5   | 11.3#  |

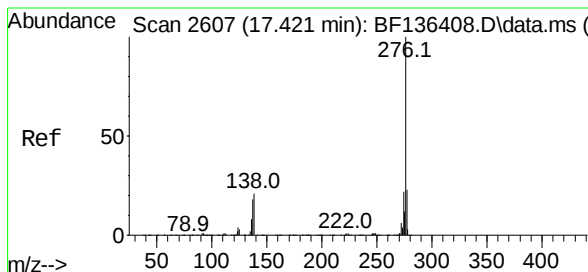
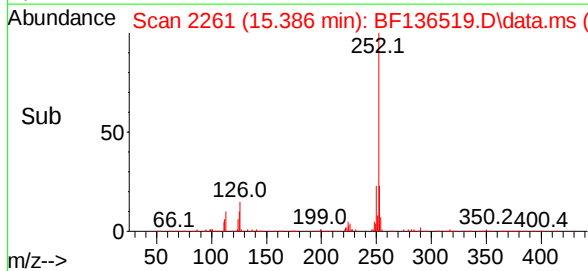
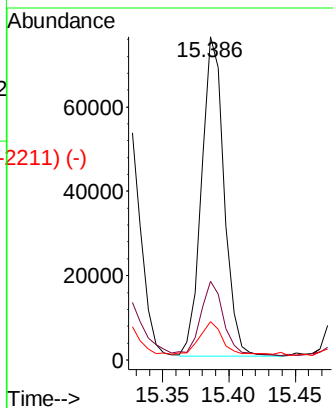
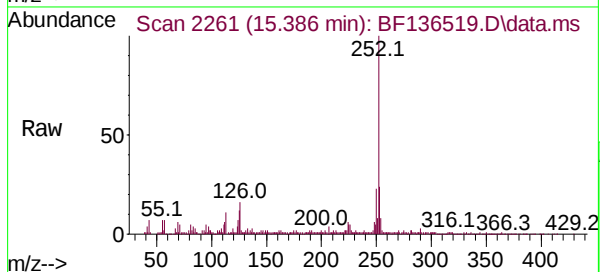




Benzo(a)pyrene  
 Concen: 6.341 ng  
 RT: 15.386 min Scan# 2261  
 Delta R.T. -0.006 min  
 Lab File: BF136519.D  
 Acq: 12 Dec 2023 16:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-06-120723

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 90065 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 24.4  | 17.0  | 25.4  |
| 125      | 11.9  | 8.6   | 13.0  |



Benzo(g,h,i)perylene  
 Concen: 2.786 ng  
 RT: 17.404 min Scan# 2604  
 Delta R.T. -0.018 min  
 Lab File: BF136519.D  
 Acq: 12 Dec 2023 16:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 40949 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 26.5  | 18.7  | 28.1  |
| 138      | 21.4  | 16.6  | 25.0  |

