

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

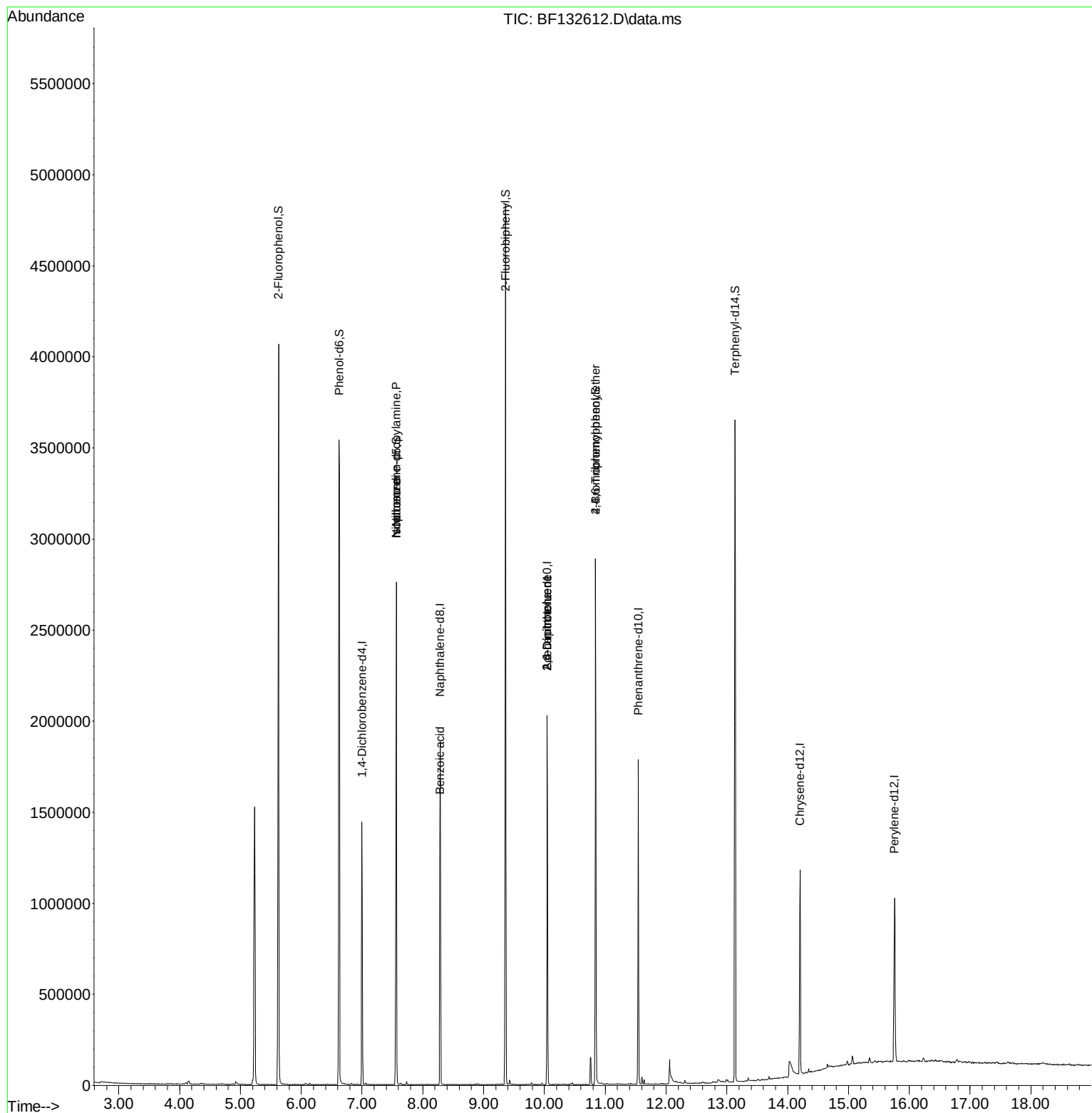
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 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              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.563  | 70   | 120498   | 12.125 | ng    | # 76     |
| 25) Isophorone                | 7.563  | 82   | 907861   | 30.114 | ng    | # 67     |
| 32) Benzoic acid              | 8.281  | 122  | 158      | 3.852  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 10.045 | 165  | 50137    | 7.685  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 50137    | 5.776  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.839 | 248  | 22317    | 3.013  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

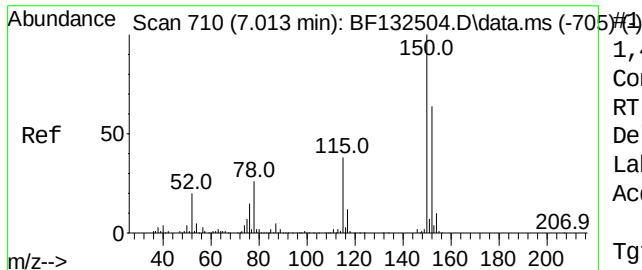
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.998 min Scan#

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7

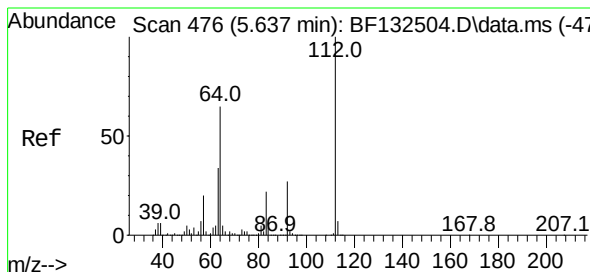
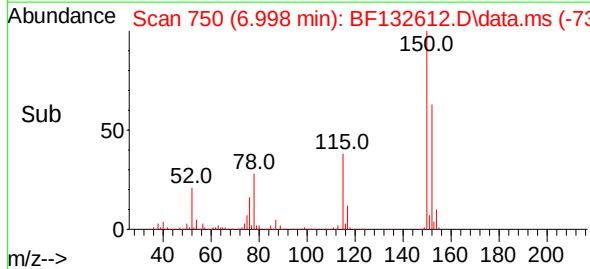
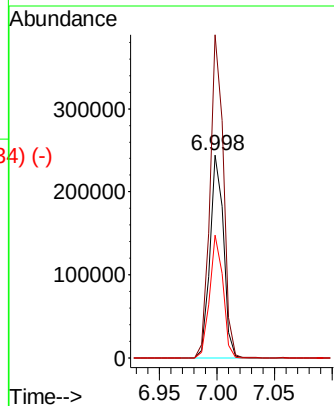
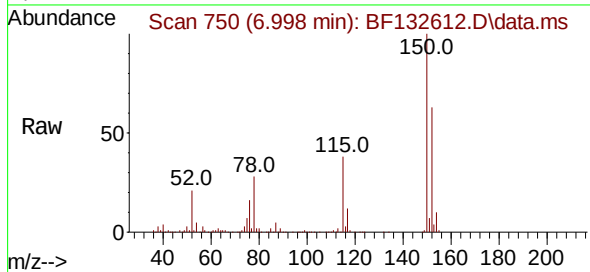
Tgt Ion:152 Resp: 200803

Ion Ratio Lower Upper

152 100

150 159.1 125.4 188.2

115 60.5 47.8 71.6



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

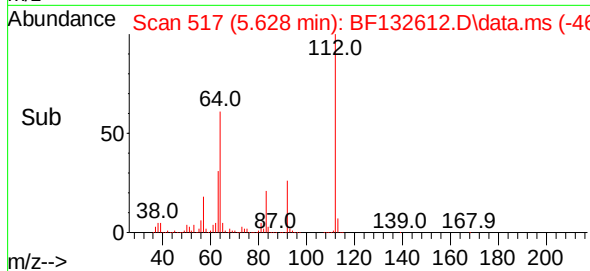
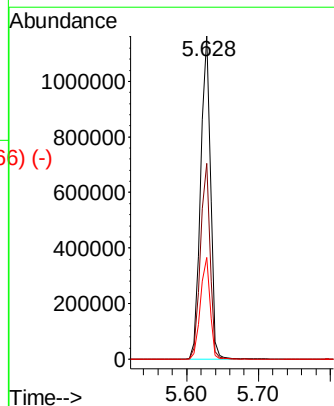
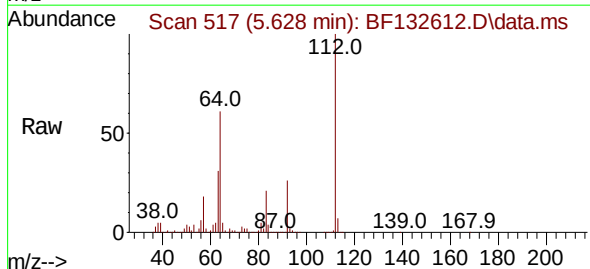
Tgt Ion:112 Resp: 1102794

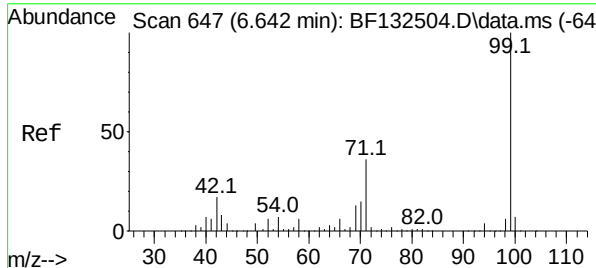
Ion Ratio Lower Upper

112 100

64 60.6 51.6 77.4

63 31.4 27.4 41.2





Phenol-d6

Concen: 87.195 ng

RT: 6.622 min Scan#

Delta R.T. -0.015 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7

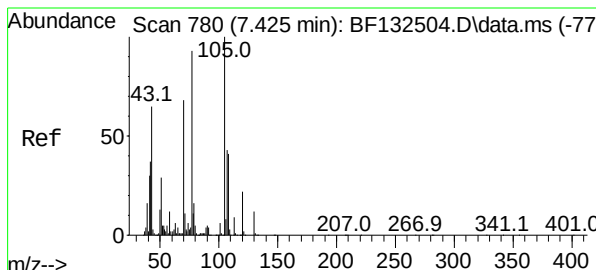
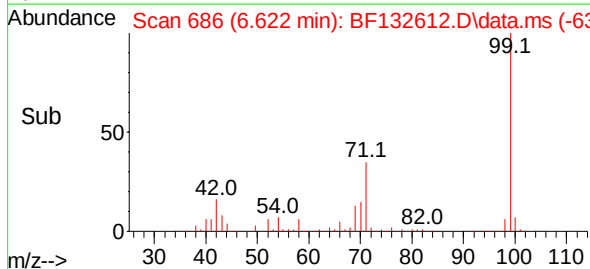
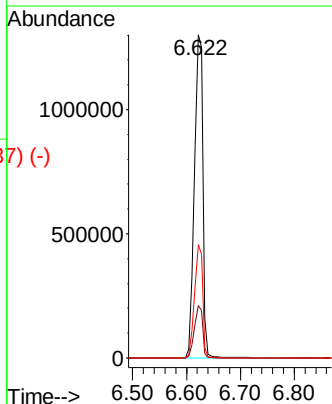
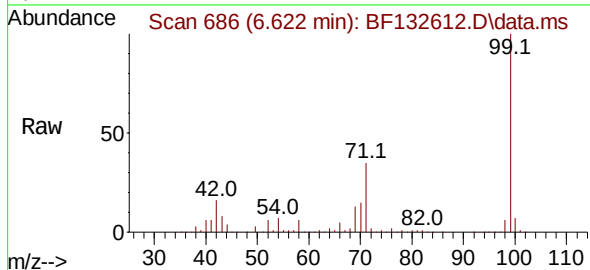
Tgt Ion: 99 Resp: 1407962

Ion Ratio Lower Upper

99 100

42 16.3 13.9 20.9

71 35.1 28.5 42.7



n-Nitroso-di-n-propylamine

Concen: 12.125 ng

RT: 7.563 min Scan# 846

Delta R.T. 0.144 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Tgt Ion: 70 Resp: 120498

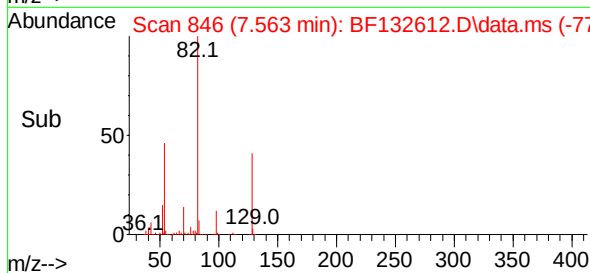
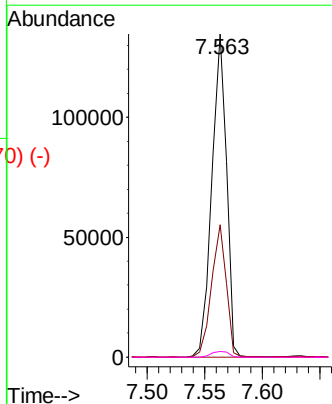
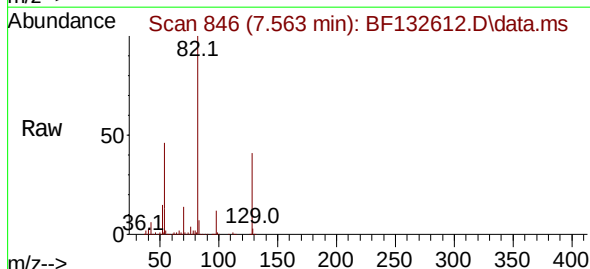
Ion Ratio Lower Upper

70 100

42 40.9 44.1 66.1#

101 0.0 7.4 11.2#

130 1.7 14.2 21.4#



Abundance Scan 929 (8.301 min): BF132504.D\data.ms (-922) #21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.287 min Scan# 969

Delta R.T. -0.003 min

Lab File: BF132612.D

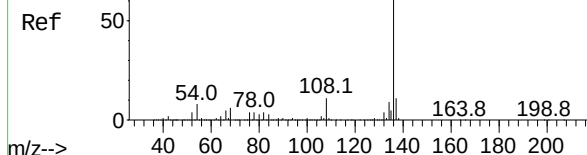
Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7



Tgt Ion:136 Resp: 746027

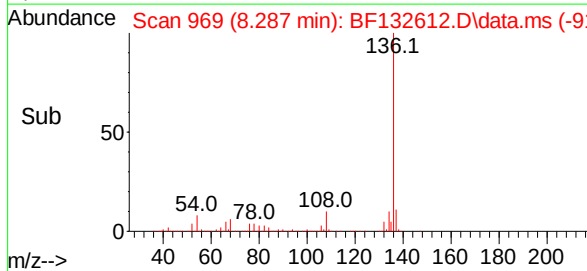
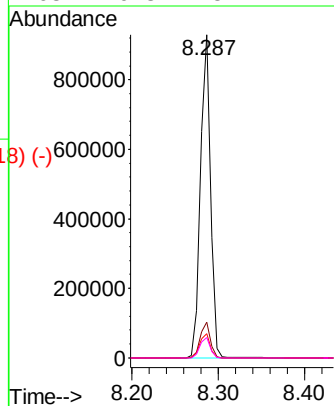
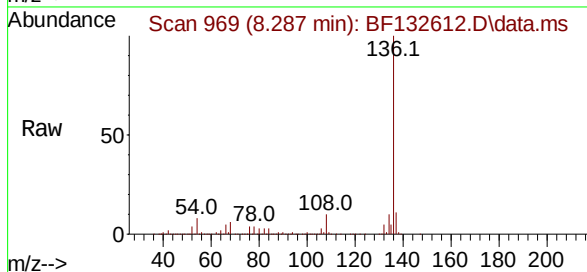
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.5 6.2 9.4

68 6.3 5.2 7.8



Abundance Scan 806 (7.578 min): BF132504.D\data.ms (-800) #23

Nitrobenzene-d5

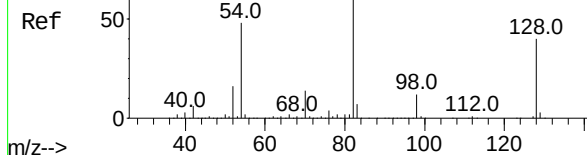
Concen: 57.738 ng

RT: 7.563 min Scan# 846

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37



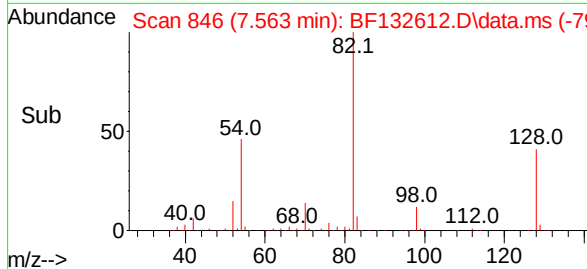
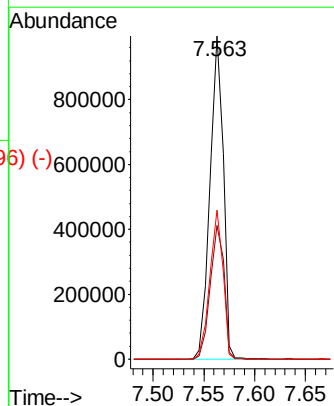
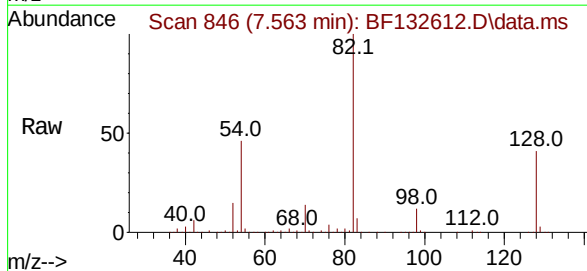
Tgt Ion: 82 Resp: 907880

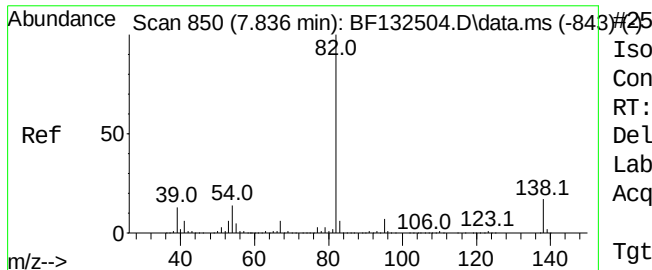
Ion Ratio Lower Upper

82 100

128 41.4 32.2 48.2

54 46.1 38.4 57.6





Isophorone

Concen: 30.114 ng

RT: 7.563 min Scan# 81

Delta R.T. -0.262 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7

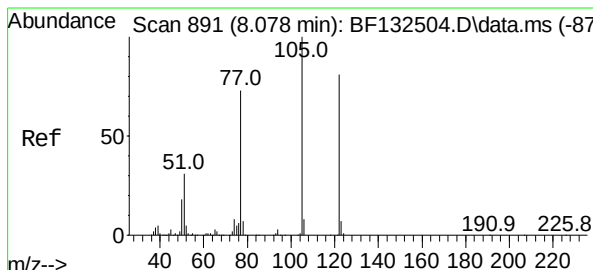
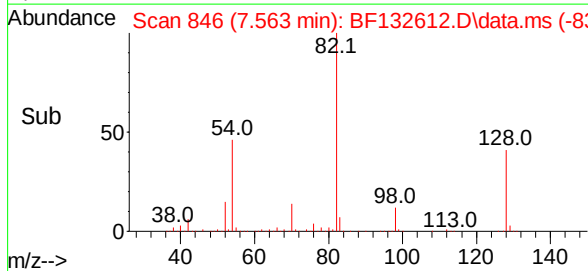
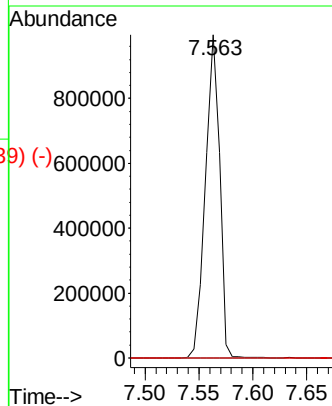
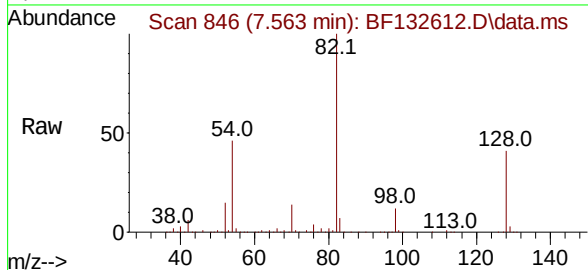
Tgt Ion: 82 Resp: 907861

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.3 19.9#



Benzoic acid

Concen: 3.852 ng

RT: 8.281 min Scan# 968

Delta R.T. 0.215 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

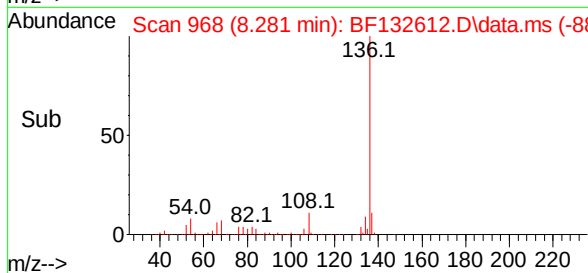
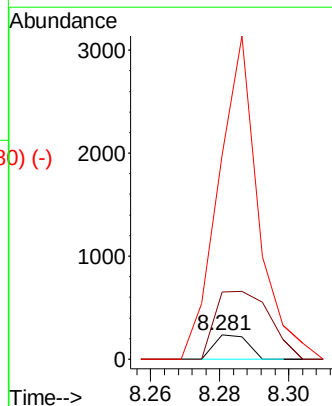
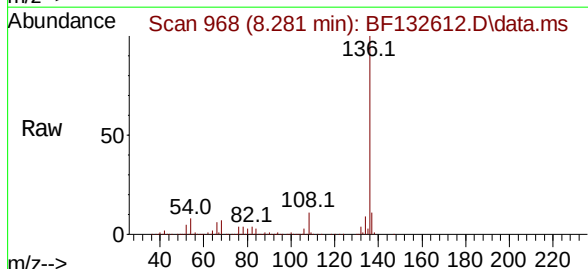
Tgt Ion: 122 Resp: 158

Ion Ratio Lower Upper

122 100

105 279.8 102.6 142.6#

77 850.2 70.2 110.2#



Abundance Scan 1228 (10.060 min): BF132504.D\data.ms (-1228) (-)

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1228

Delta R.T. -0.009 min

Lab File: BF132612.D

Acq: 02 Mar 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

CF-7

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

Abundance Scan 1268 (10.045 min): BF132612.D\data.ms (-1268) (-)

Ref 50

54.0 80.0 106.0 132.0 162.1

m/z-->

Abundance Scan 1268 (10.045 min): BF132612.D\data.ms (-1268) (-)

Raw 50

54.0 80.0 108.1 132.1 164.1

m/z-->

Abundance Scan 1268 (10.045 min): BF132612.D\data.ms (-1268) (-)

Sub 50

54.0 80.0 106.0 132.1 164.1

m/z-->

Abundance

10.045

400000

300000

200000

100000

0

Time-->

Abundance Scan 1364 (10.860 min): BF132504.D\data.ms (-1364) (-)

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

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

Abundance Scan 1403 (10.839 min): BF132612.D\data.ms (-1403) (-)

Ref 50

62.0 102.8 140.9 182.7 221.8 274.6 329.8

m/z-->

Abundance Scan 1403 (10.839 min): BF132612.D\data.ms (-1403) (-)

Raw 50

62.0 102.9 140.9 182.7 221.8 274.6 329.8

m/z-->

Abundance Scan 1403 (10.839 min): BF132612.D\data.ms (-1403) (-)

Sub 50

62.0 102.9 140.9 182.7 221.8 274.6 329.8

m/z-->

Abundance

10.839

300000

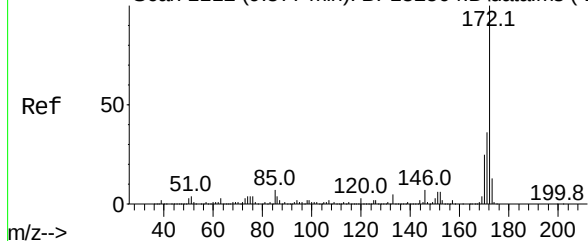
200000

100000

0

Time-->

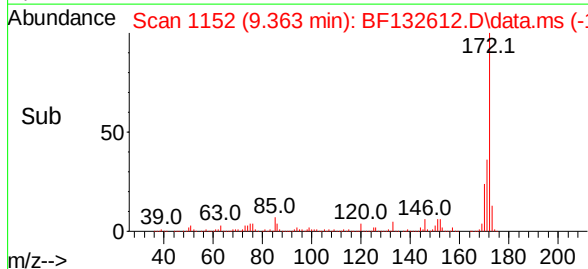
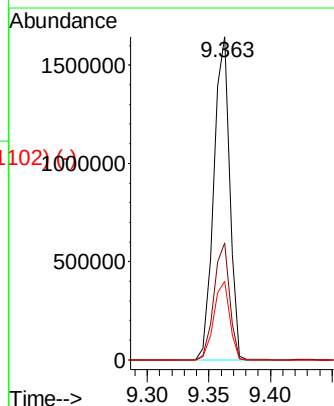
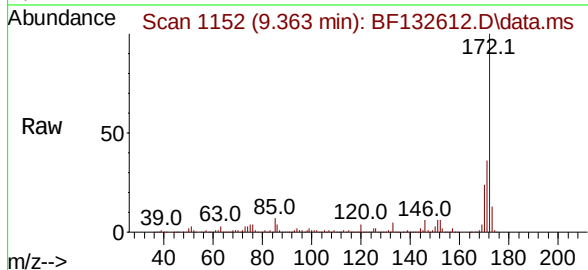
Abundance Scan 1112 (9.377 min): BF132504.D\data.ms (-11021)



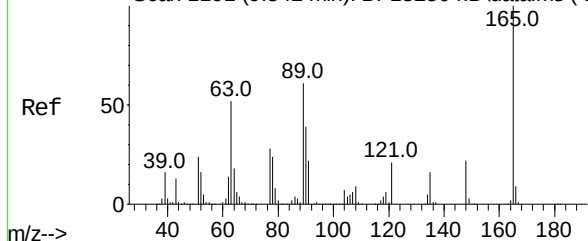
2-Fluorobiphenyl  
Concen: 57.095 ng  
RT: 9.363 min Scan# 11021  
Delta R.T. -0.009 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

Instrument :  
BNA\_F  
ClientSampleId :  
CF-7

|          |       |       |         |
|----------|-------|-------|---------|
| 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    |

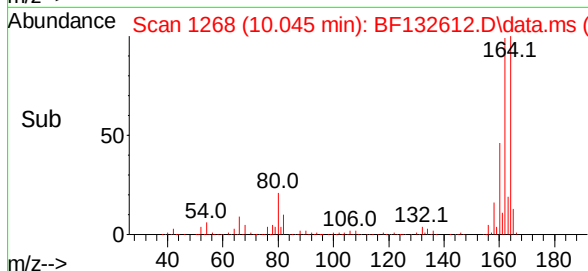
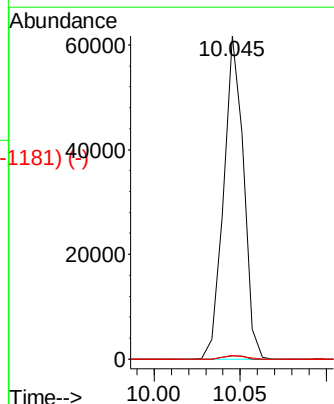
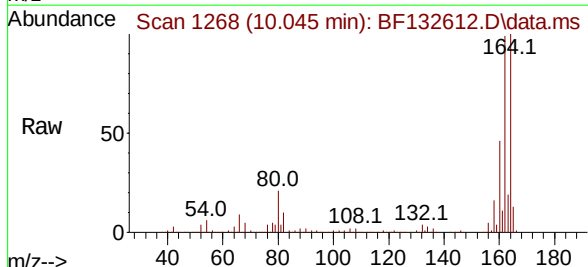


Abundance Scan 1191 (9.842 min): BF132504.D\data.ms (-11051)

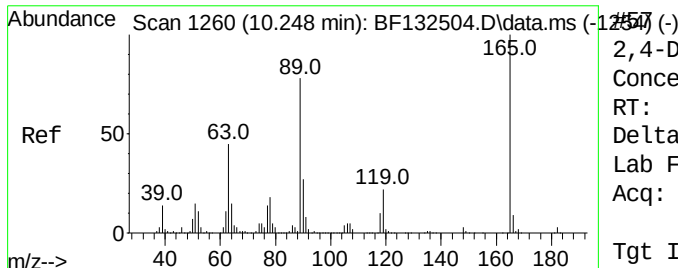


2,6-Dinitrotoluene  
Concen: 7.685 ng  
RT: 10.045 min Scan# 1268  
Delta R.T. 0.209 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 50137 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.0   | 47.3  | 70.9# |
| 89       | 1.2   | 48.9  | 73.3# |



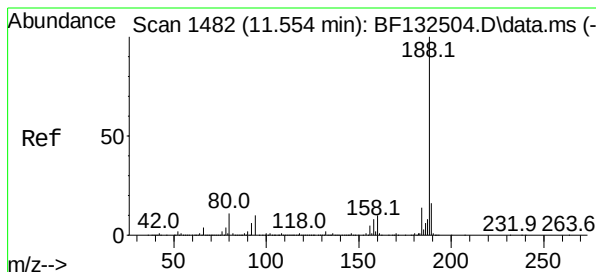
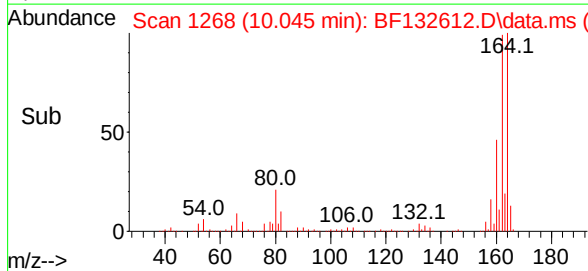
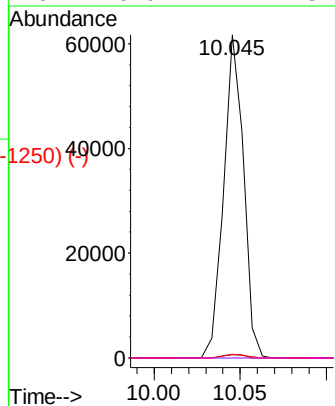
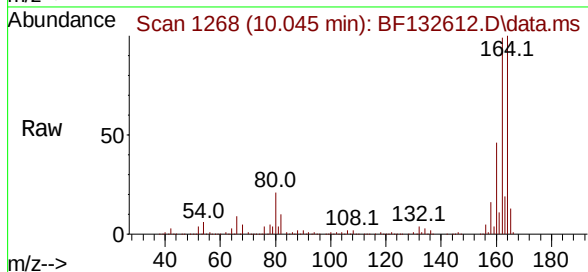




2,4-Dinitrotoluene  
Concen: 5.776 ng  
RT: 10.045 min Scan# 1522  
Delta R.T. -0.197 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

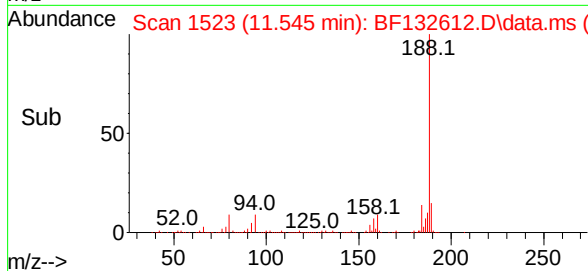
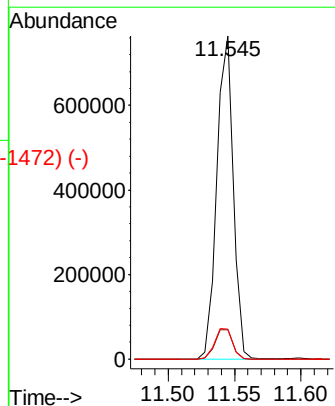
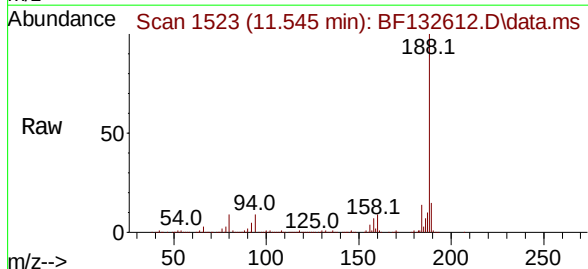
Instrument :  
BNA\_F  
ClientSampleId :  
CF-7

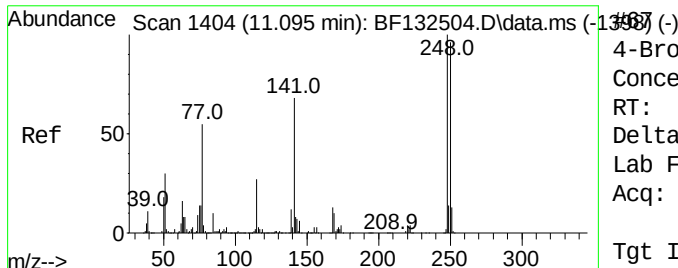
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 50137 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.0   | 36.5  | 54.7# |
| 89       | 1.2   | 62.4  | 93.6# |
| 182      | 0.0   | 2.1   | 3.1#  |



Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.545 min Scan# 1523  
Delta R.T. -0.003 min  
Lab File: BF132612.D  
Acq: 02 Mar 2023 17:37

|          |       |       |        |
|----------|-------|-------|--------|
| 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   |

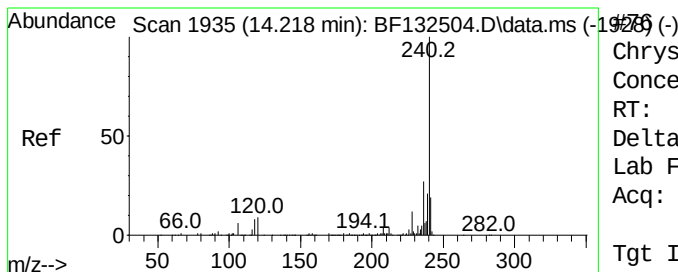
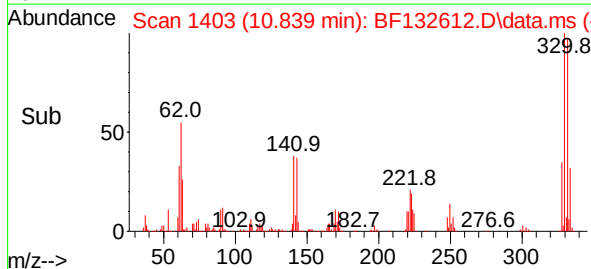
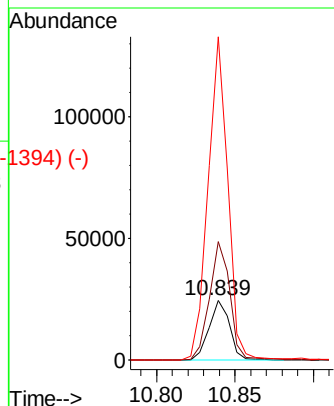
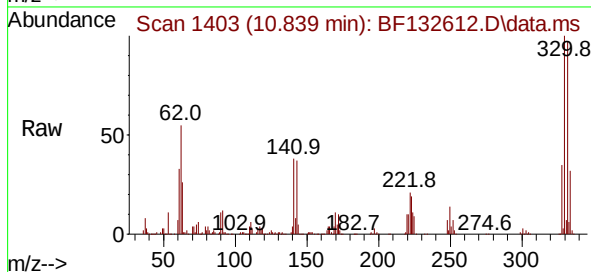




4-Bromophenyl-phenylether  
 Concen: 3.013 ng  
 RT: 10.839 min Scan# 1358  
 Delta R.T. -0.250 min  
 Lab File: BF132612.D  
 Acq: 02 Mar 2023 17:37

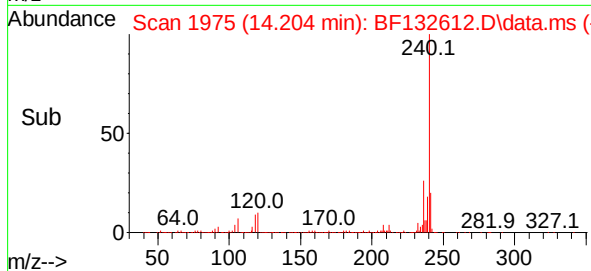
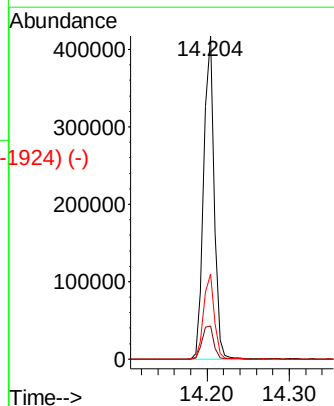
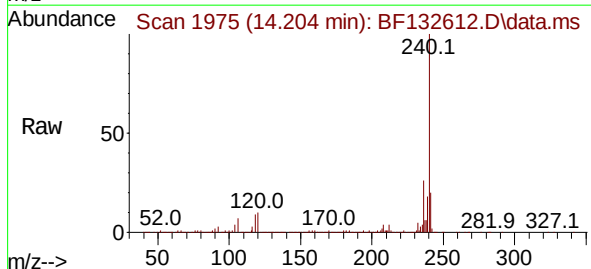
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CF-7

Tgt Ion:248 Resp: 22317  
 Ion Ratio Lower Upper  
 248 100  
 250 198.4 77.0 115.4#  
 141 541.5 54.2 81.2#



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



Abundance Scan 1753 (13.148 min): BF132504.D\data.ms (-1749) (-)

Terphenyl-d14

Concen: 58.888 ng

RT: 13.133 min Scan# 1793

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

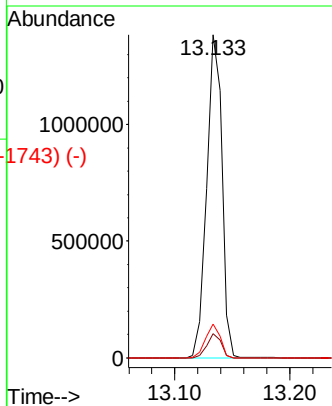
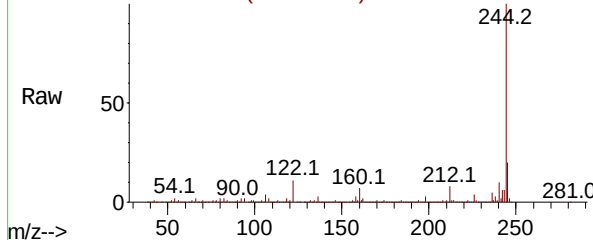
Ion Ratio Lower Upper

244 100

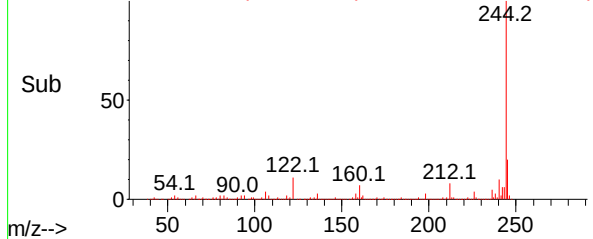
212 7.5 6.5 9.7

122 10.5 7.5 11.3

Abundance Scan 1793 (13.133 min): BF132612.D\data.ms



Abundance Scan 1793 (13.133 min): BF132612.D\data.ms (-1743) (-)



Abundance Scan 2198 (15.765 min): BF132504.D\data.ms (-2196) (-)

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

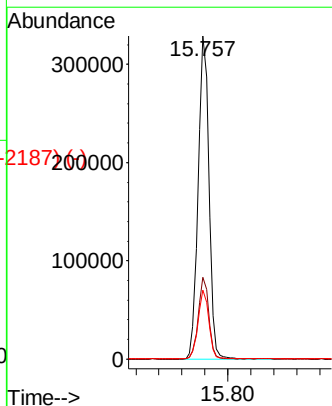
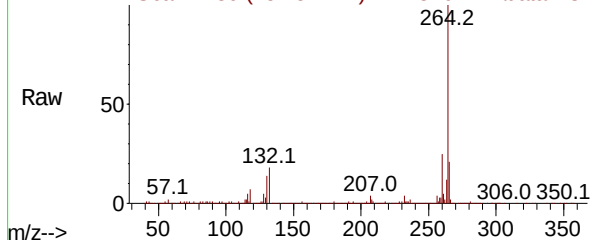
Ion Ratio Lower Upper

264 100

260 25.3 18.8 28.2

265 21.3 17.1 25.7

Abundance Scan 2239 (15.757 min): BF132612.D\data.ms



Abundance Scan 2239 (15.757 min): BF132612.D\data.ms (-2187) (-)

