

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\  
 Data File : BF116120.D  
 Acq On : 9 Aug 2019 18:51  
 Operator : HP/JU  
 Sample : K4219-07  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 355-35-76

Quant Time: Aug 10 05:07:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

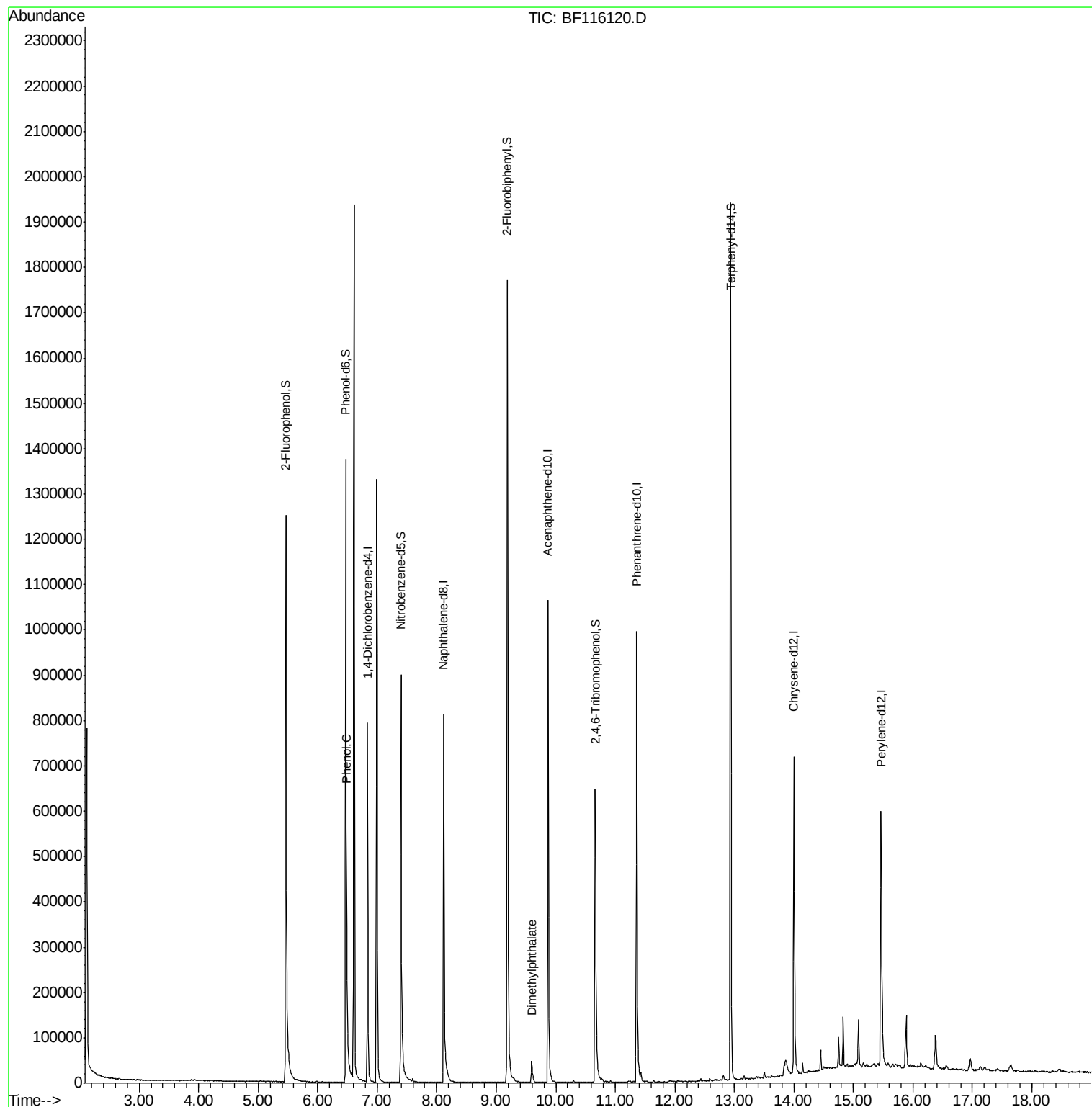
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 126757   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 504159   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.87  | 164  | 263609   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 452166   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.00 | 240  | 298321   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.47 | 264  | 301488   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 457608   | 60.44 | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 628995   | 65.84 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 385357   | 44.12 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 118390   | 46.32 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 699691   | 49.72 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.94 | 244  | 724819   | 51.20 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.49  | 94   | 45318    | 4.028 | ng    | 90       |
| 50) Dimethylphthalate       | 9.60  | 163  | 40586    | 2.261 | ng    | 99       |

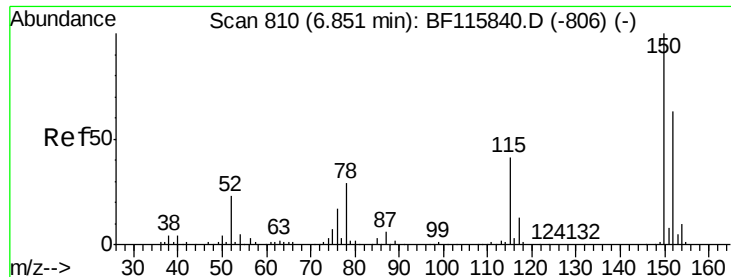
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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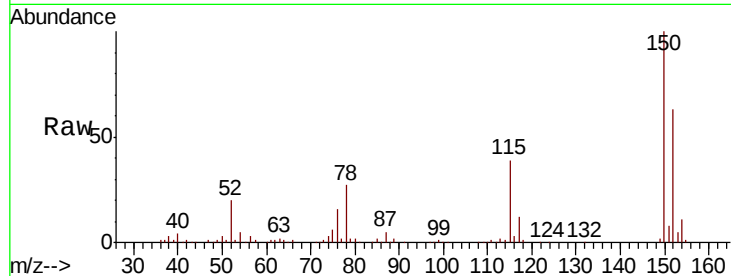


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF116120.D  
Acq: 9 Aug 2019 18:51

Instrument :  
BNA\_F  
ClientSampled :  
355-35-76

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.9 | 126.2 | 189.2 |
| 115     | 61.4  | 49.9  | 74.9  |

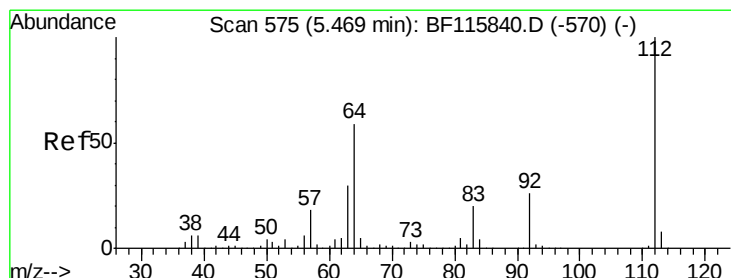
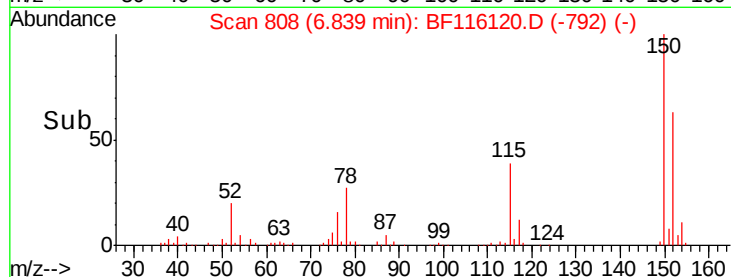
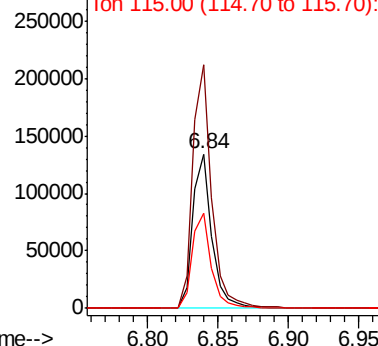


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

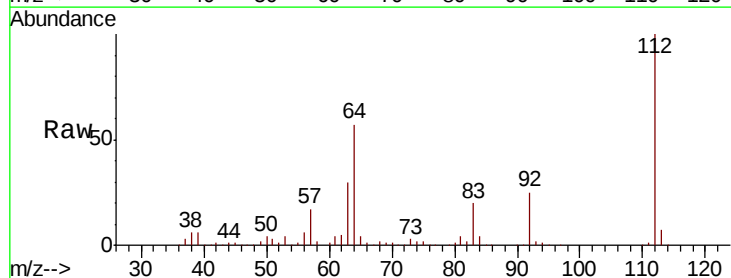
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 60.436 ng  
RT: 5.46 min Scan# 574  
Delta R.T. -0.01 min  
Lab File: BF116120.D  
Acq: 9 Aug 2019 18:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.2  | 45.4  | 68.2  |
| 63      | 29.8  | 23.7  | 35.5  |

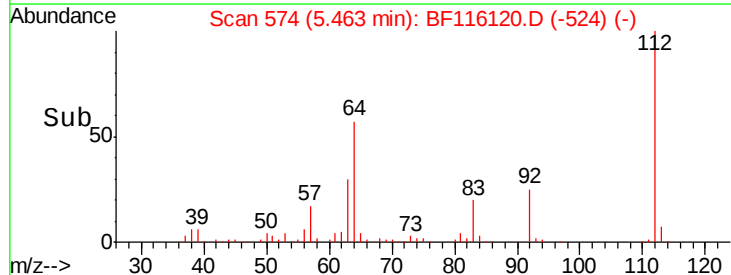
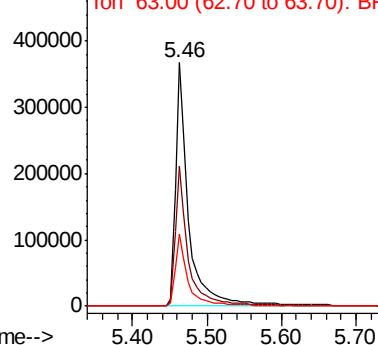


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 65.841 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

Instrument :

BNA\_F

ClientSampleId :

355-35-76

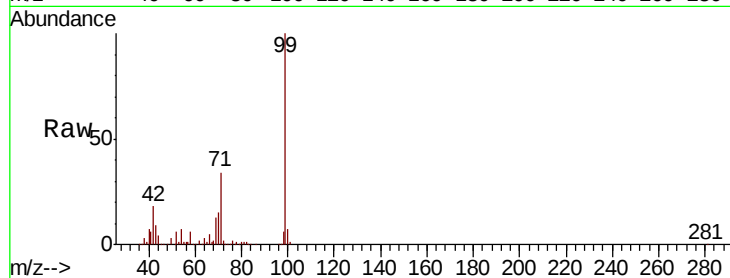
Tot Ion: 99 Resp: 628995

Ion Ratio Lower Upper

99 100

42 17.5 13.8 20.8

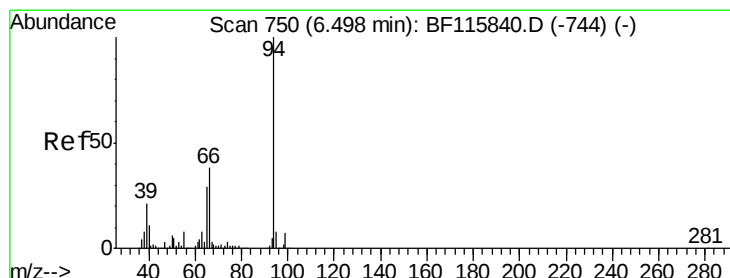
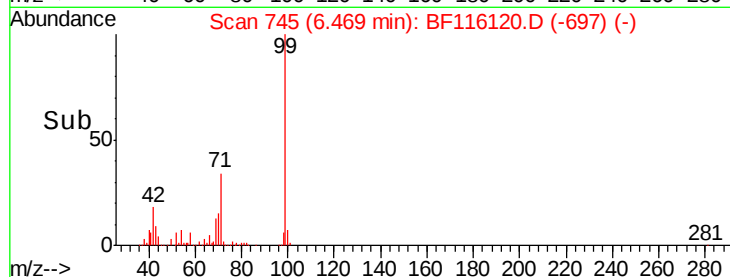
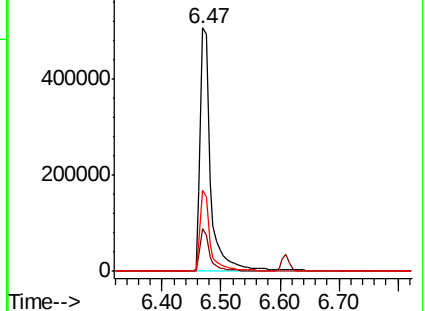
71 33.5 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.028 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

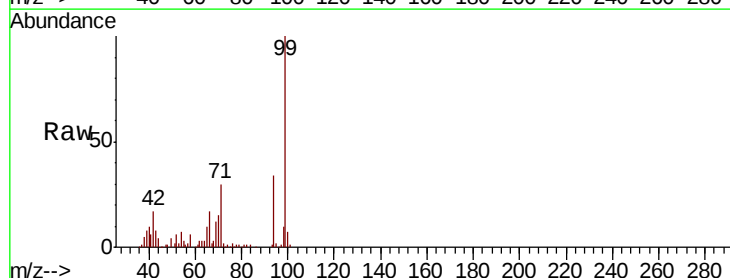
Tgt Ion: 94 Resp: 45318

Ion Ratio Lower Upper

94 100

65 28.5 16.8 56.8

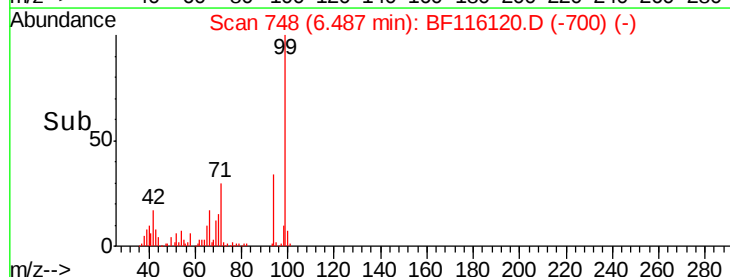
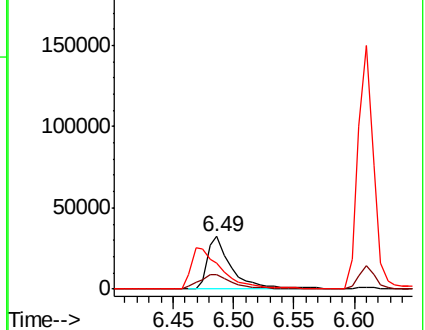
66 48.7 34.2 74.2

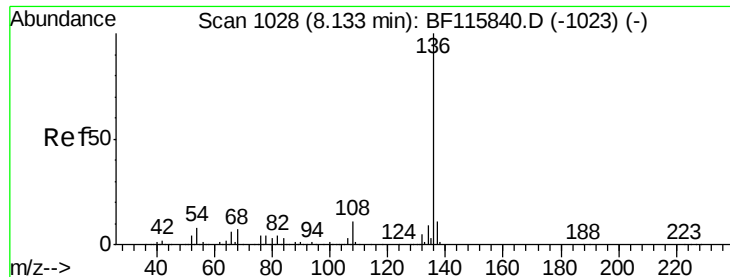


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

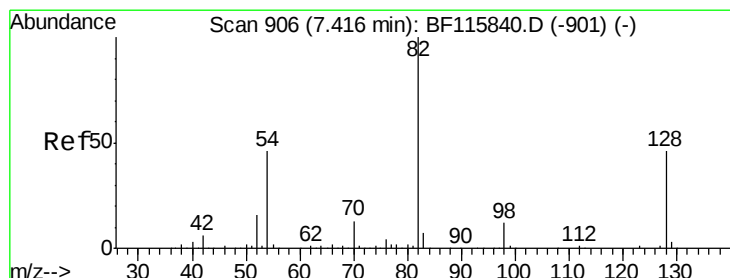
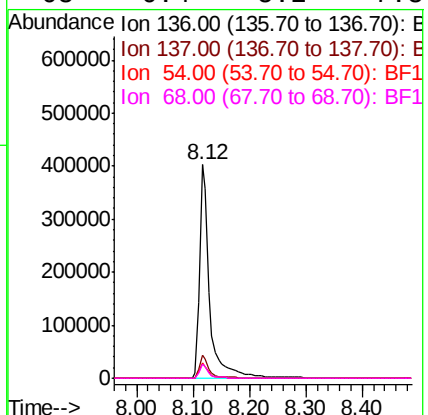
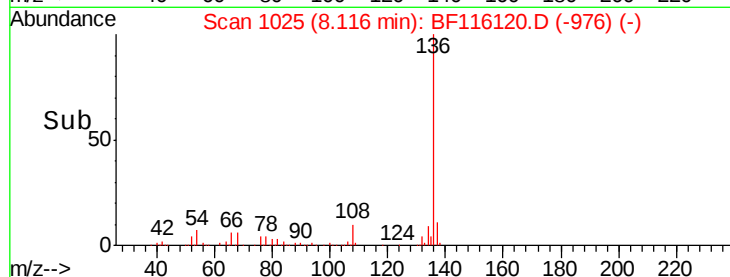
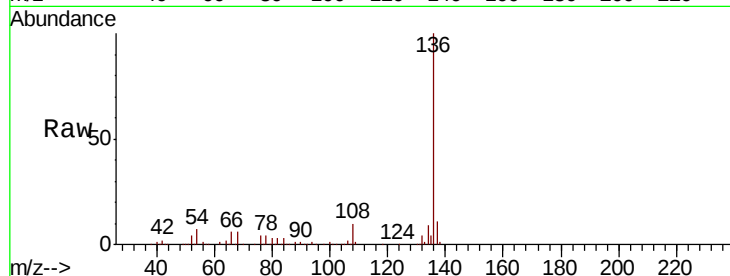




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BF116120.D  
Acq: 9 Aug 2019 18:51

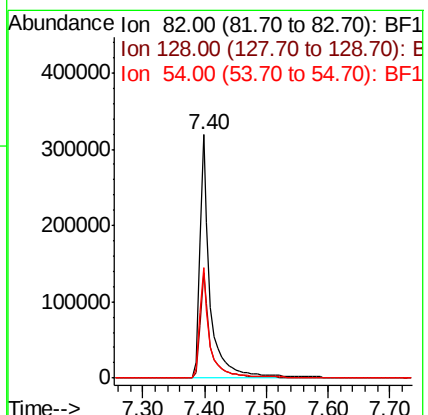
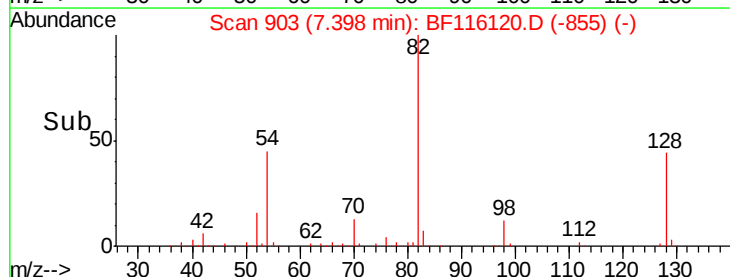
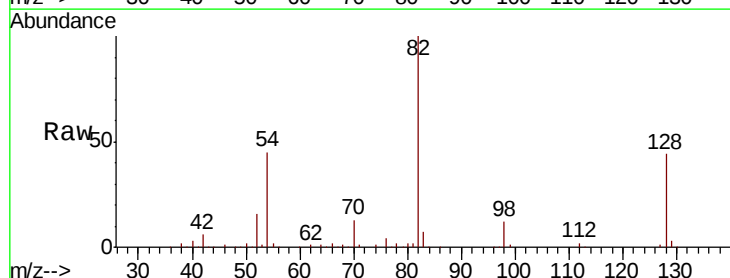
Instrument :  
BNA\_F  
ClientSampleId :  
355-35-76

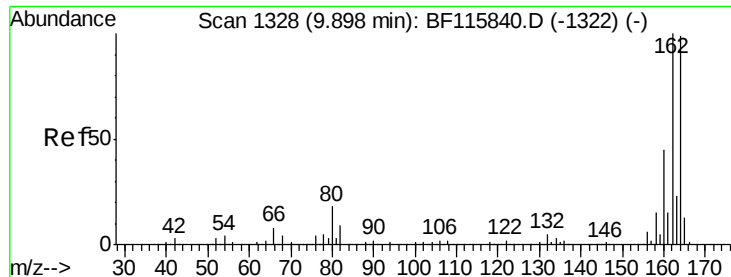
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 504159      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 9.0 13.4    |
| 54          | 7.3   | 5.8 8.6     |
| 68          | 6.4   | 5.2 7.8     |



#23  
Nitrobenzene-d5  
Concen: 44.121 ng  
RT: 7.40 min Scan# 903  
Delta R.T. -0.02 min  
Lab File: BF116120.D  
Acq: 9 Aug 2019 18:51

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 385357      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 43.5  | 36.5 54.7   |
| 54          | 45.3  | 36.0 54.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

Instrument :

BNA\_F

ClientSampleId :

355-35-76

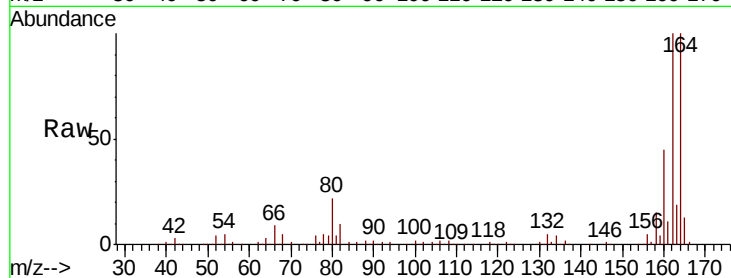
Tot Ion:164 Resp: 263609

Ion Ratio Lower Upper

164 100

162 99.6 82.6 124.0

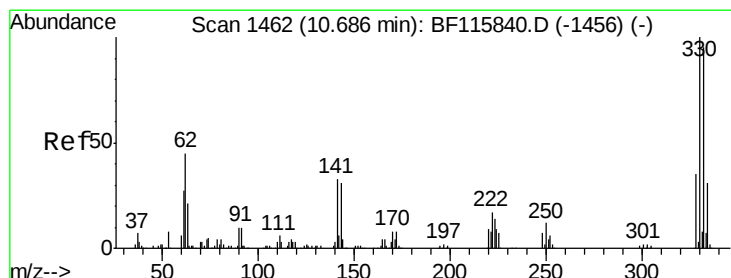
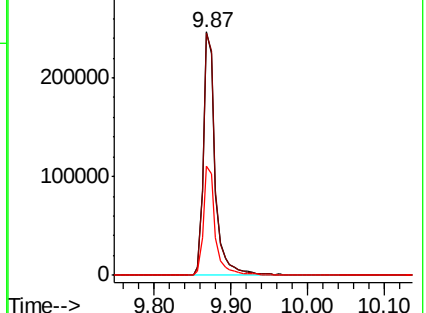
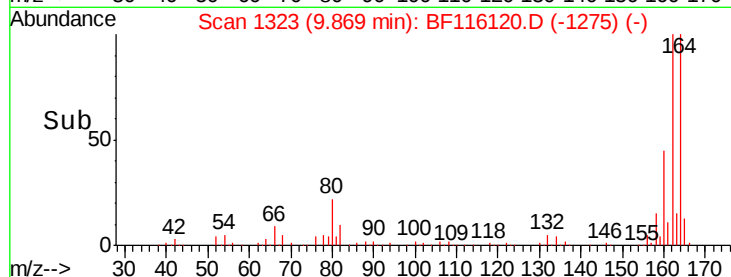
160 44.8 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 46.323 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

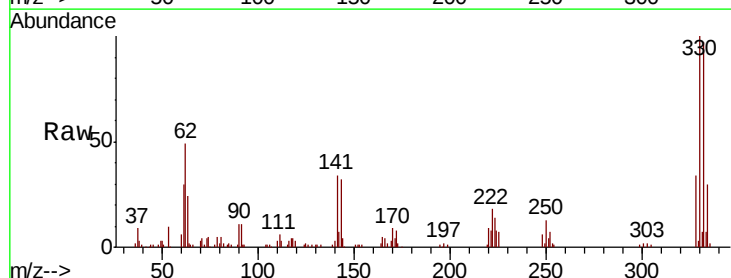
Tgt Ion:330 Resp: 118390

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

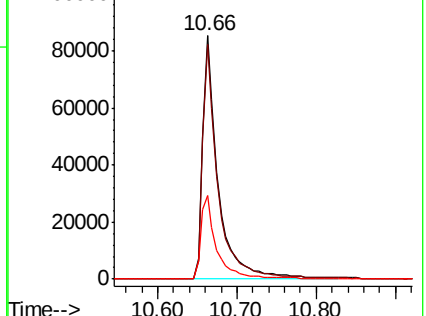
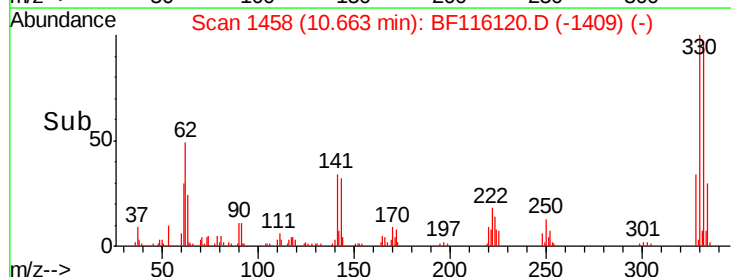
141 35.0 26.3 39.5

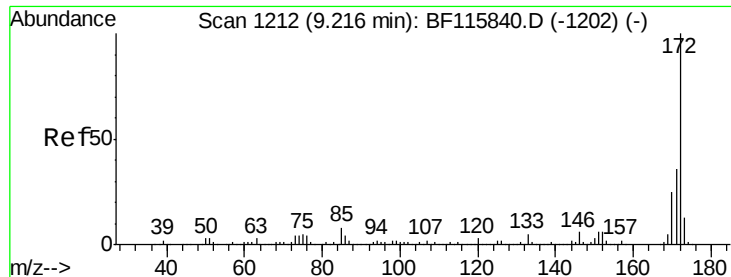


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

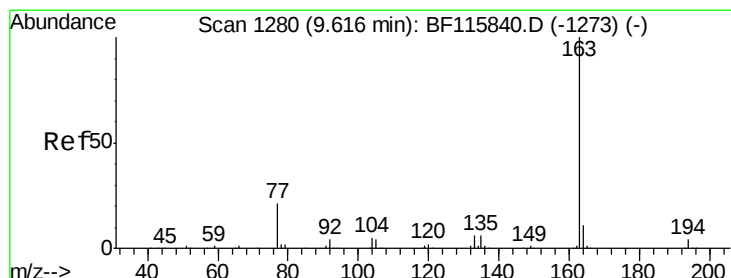
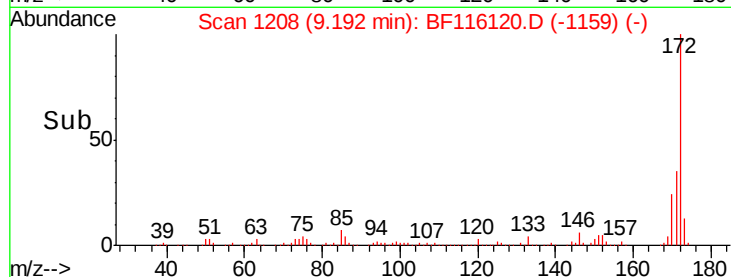
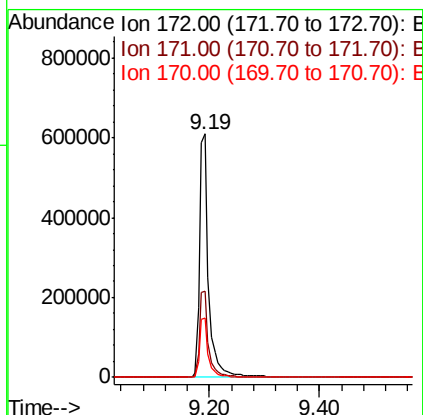
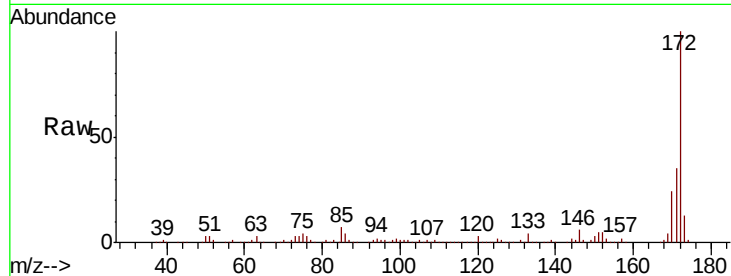




#45  
2-Fluorobiphenyl  
Concen: 49.717 ng  
RT: 9.19 min Scan# 1208  
Delta R.T. -0.01 min  
Lab File: BF116120.D  
Acq: 9 Aug 2019 18:51

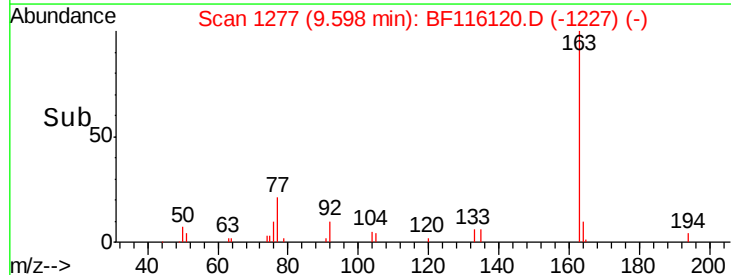
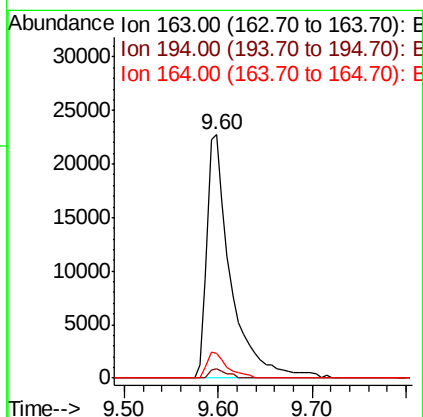
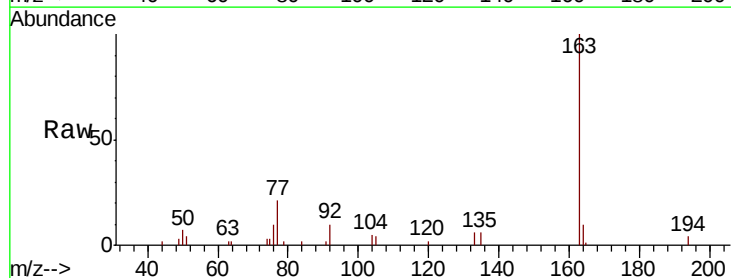
Instrument :  
BNA\_F  
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355-35-76

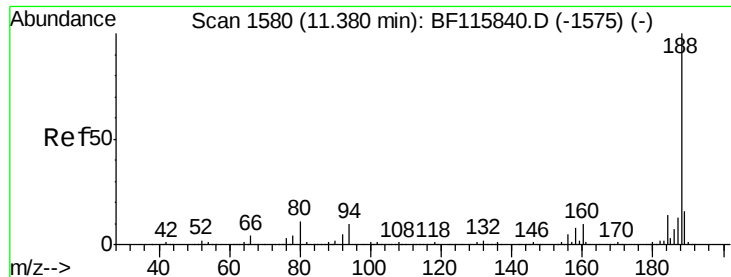
Tot Ion:172 Resp: 699691  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.6 44.4  
170 24.3 20.1 30.1



#50  
Dimethylphthalate  
Concen: 2.261 ng  
RT: 9.60 min Scan# 1277  
Delta R.T. -0.01 min  
Lab File: BF116120.D  
Acq: 9 Aug 2019 18:51

Tgt Ion:163 Resp: 40586  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.0 4.6  
164 10.3 8.4 12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

Instrument :

BNA\_F

ClientSampleId :

355-35-76

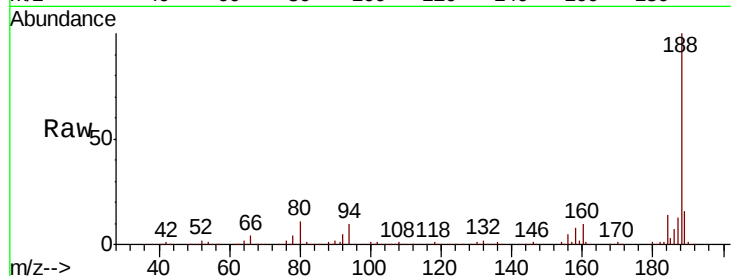
Tot Ion:188 Resp: 452166

Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

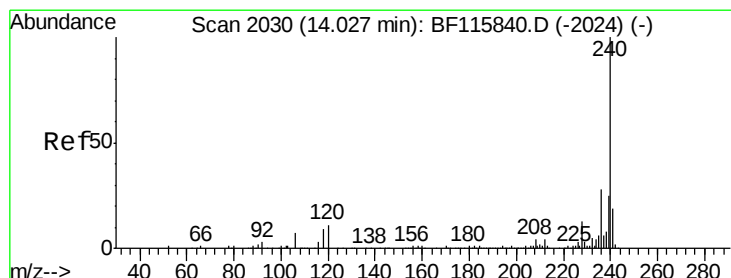
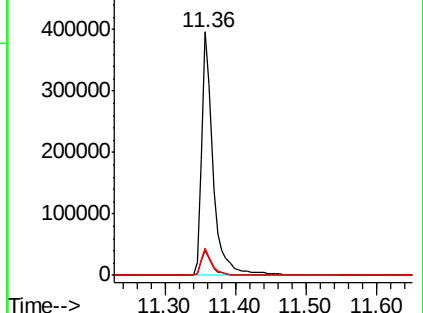
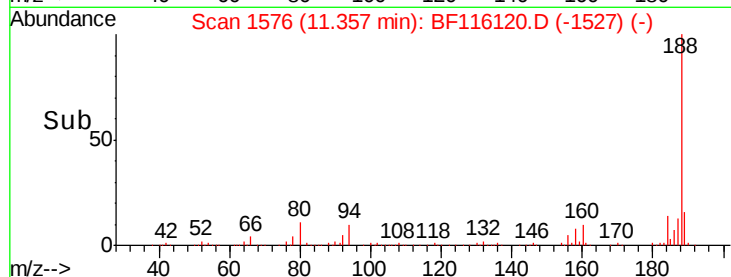
80 11.2 8.7 13.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

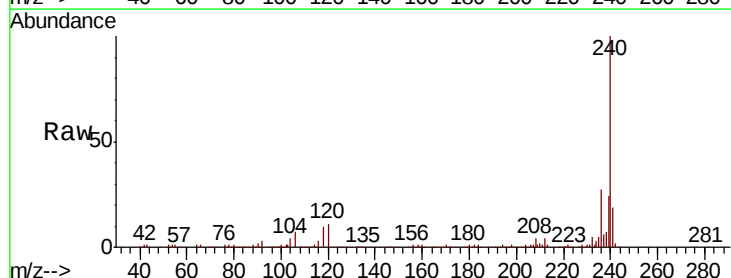
Tgt Ion:240 Resp: 298321

Ion Ratio Lower Upper

240 100

120 10.6 10.7 16.1#

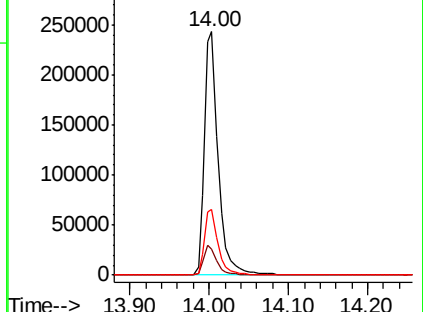
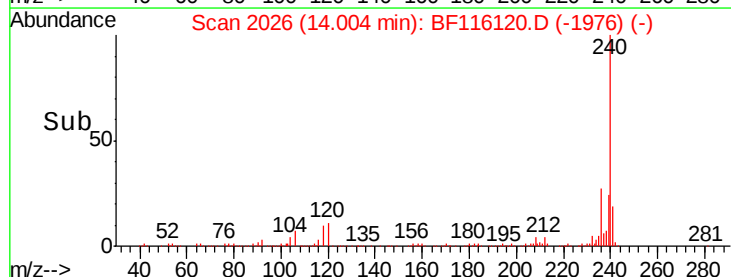
236 26.9 22.2 33.2

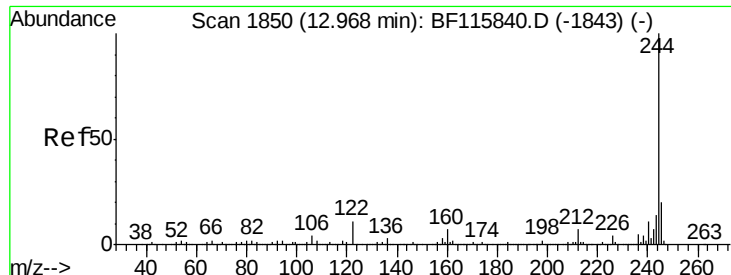


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 51.197 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

Instrument :

BNA\_F

ClientSampleId :

355-35-76

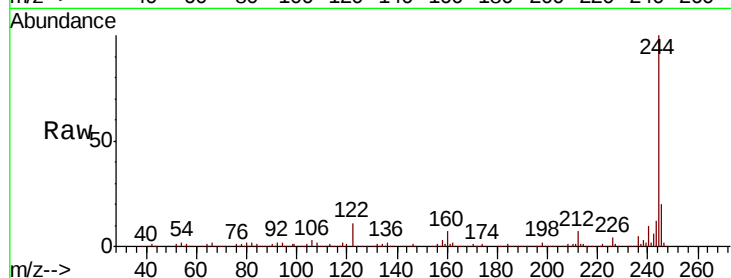
Tot Ion:244 Resp: 724819

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 10.5 9.0 13.4

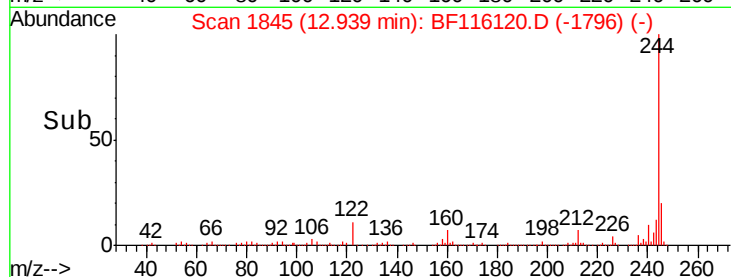


Abundance Ion 244.00 (243.70 to 244.70): E

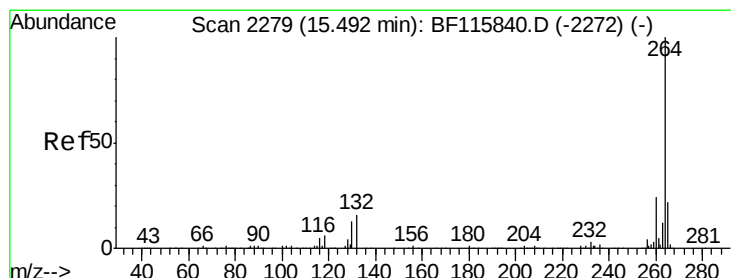
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.94



Time--> 12.80 13.00 13.20



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116120.D

Acq: 9 Aug 2019 18:51

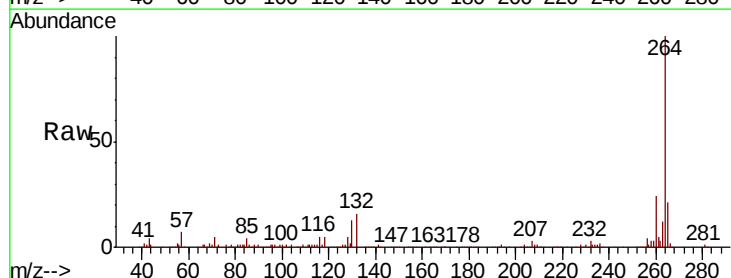
Tgt Ion:264 Resp: 301488

Ion Ratio Lower Upper

264 100

260 23.7 19.7 29.5

265 20.7 17.4 26.0

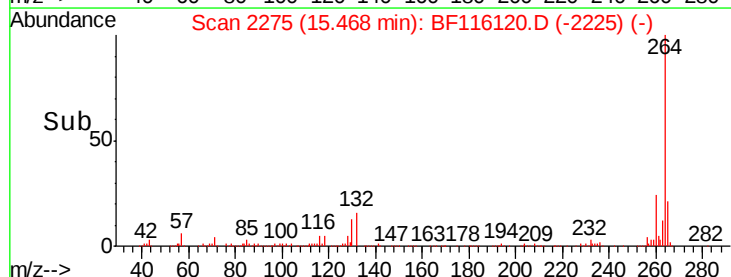


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.47



Time--> 15.40 15.60