

Data File : BF116327.D  
Acq On : 16 Aug 2019 19:39  
Operator : HP/JU  
Sample : K4356-09RE  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

Quant Time: Aug 17 03:09:39 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

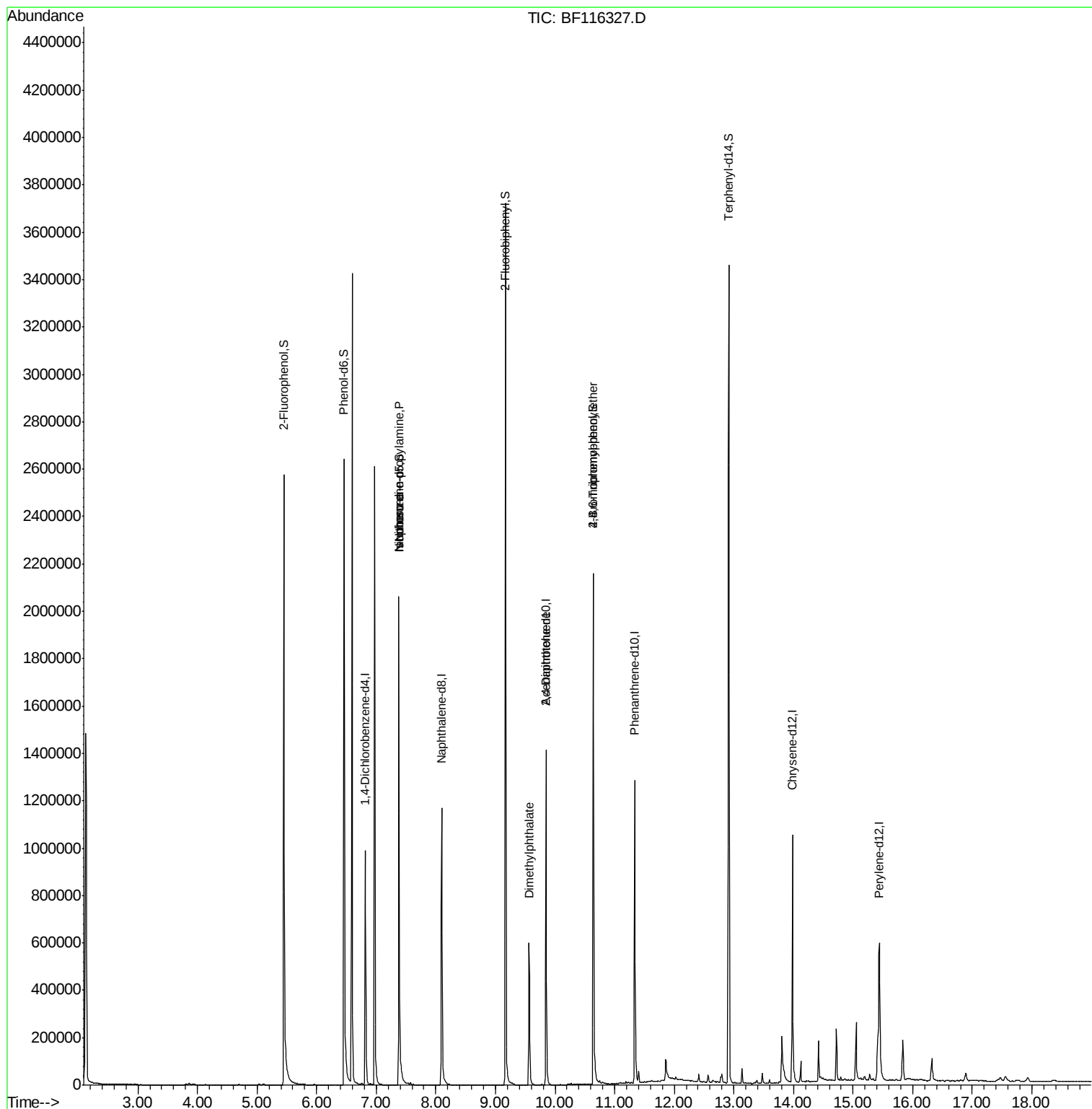
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 156025   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.10  | 136  | 603324   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10           | 9.85  | 164  | 317980   | 20.00  | ng    | -0.04    |
| 64) Phenanthrene-d10           | 11.33 | 188  | 541214   | 20.00  | ng    | -0.04    |
| 76) Chrysene-d12               | 13.98 | 240  | 380907   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 15.44 | 264  | 342005   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 915471   | 98.22  | ng    | -0.02    |
| 7) Phenol-d6                   | 6.46  | 99   | 1194248  | 101.56 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.38  | 82   | 757818   | 72.50  | ng    | -0.04    |
| 42) 2,4,6-Tribromophenol       | 10.64 | 330  | 301504   | 97.80  | ng    | -0.04    |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1195383  | 70.41  | ng    | -0.04    |
| 79) Terphenyl-d14              | 12.92 | 244  | 1184579  | 65.53  | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.38  | 70   | 99132    | 13.604 | ng    | # 80     |
| 25) Isophorone                 | 7.38  | 82   | 757814   | 37.917 | ng    | # 65     |
| 50) Dimethylphthalate          | 9.56  | 163  | 277713   | 12.827 | ng    | 100      |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 40405    | 6.450  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.64 | 248  | 18373    | 3.171  | ng    | # 1      |

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

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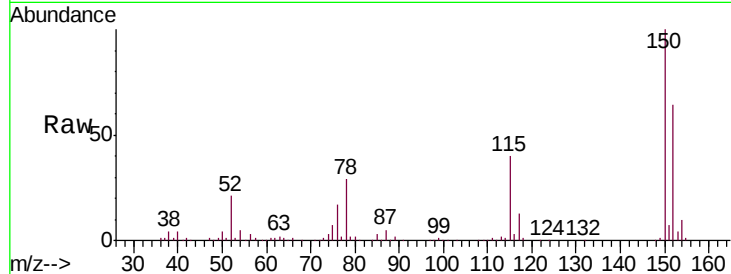


#1

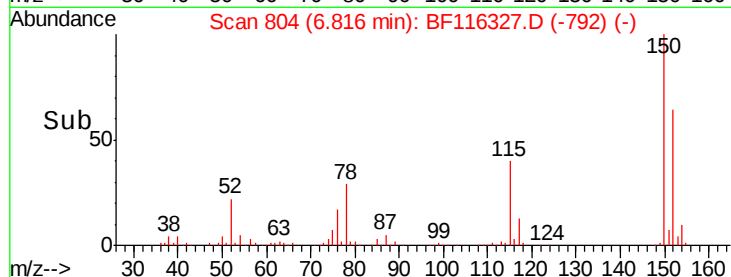
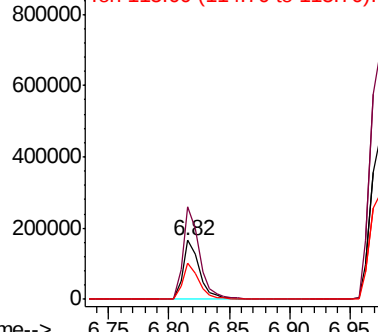
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. -0.03 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

Tgt Ion:152 Resp: 156025  
Ion Ratio Lower Upper  
152 100  
150 156.7 126.2 189.2  
115 62.2 49.9 74.9



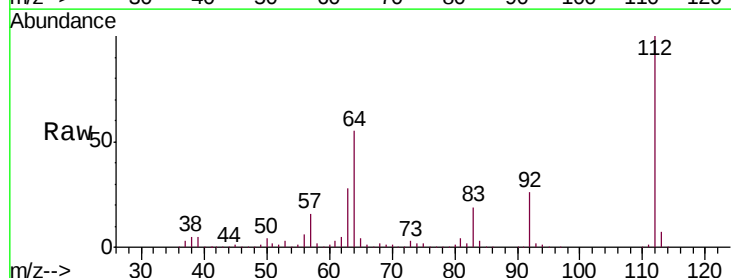
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



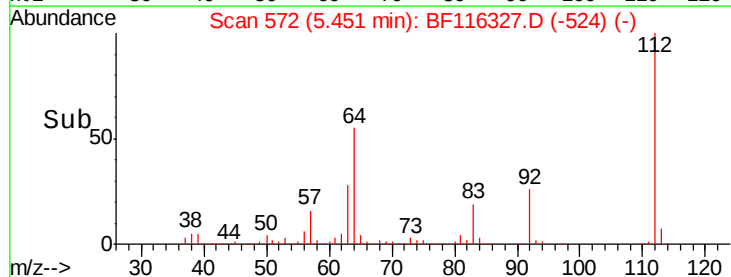
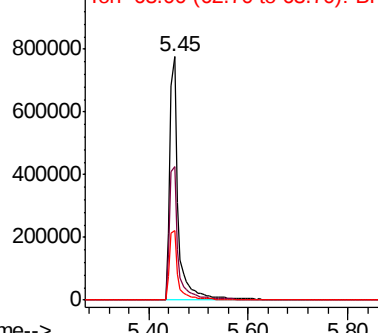
#5

2-Fluorophenol  
Concen: 98.225 ng  
RT: 5.45 min Scan# 572  
Delta R.T. -0.02 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

Tgt Ion:112 Resp: 915471  
Ion Ratio Lower Upper  
112 100  
64 55.0 45.4 68.2  
63 28.5 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: 101.560 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116327.D

Acq: 16 Aug 2019 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-5

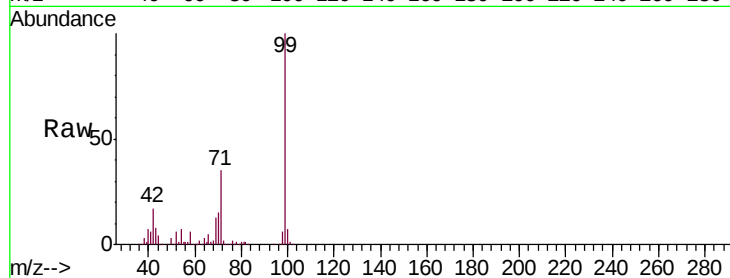
Tgt Ion: 99 Resp: 1194248

Ion Ratio Lower Upper

99 100

42 17.3 13.8 20.8

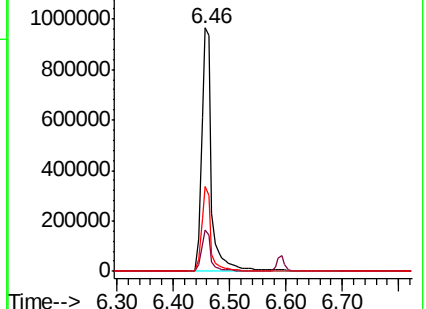
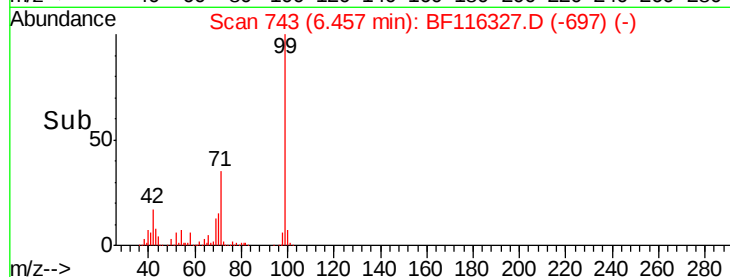
71 34.7 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.604 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116327.D

Acq: 16 Aug 2019 19:39

Tgt Ion: 70 Resp: 99132

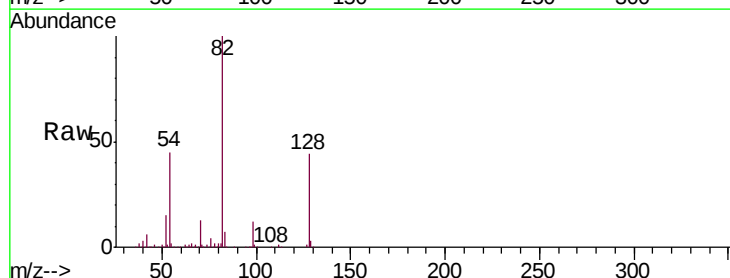
Ion Ratio Lower Upper

70 100

42 43.8 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

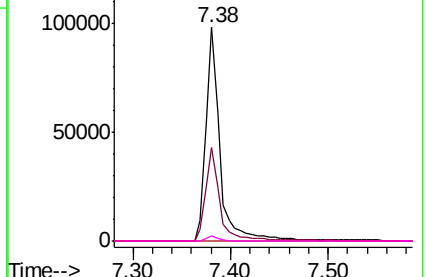
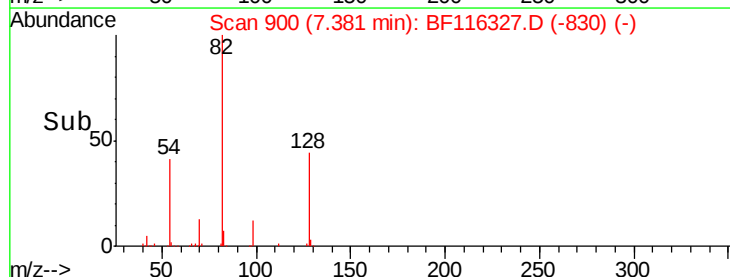


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

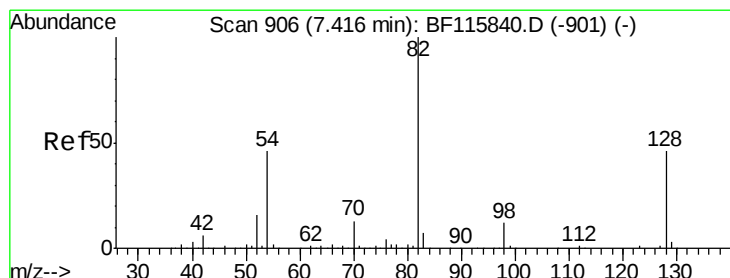
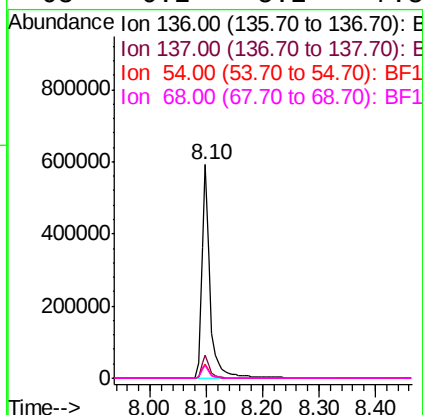
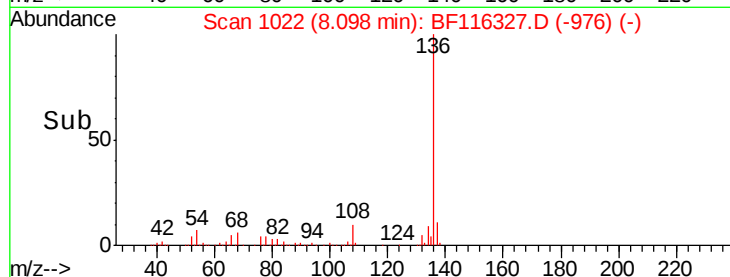
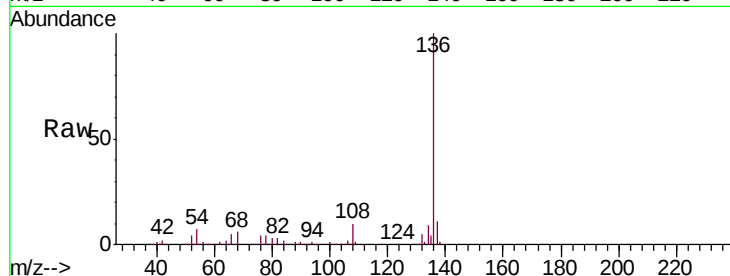




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1022  
Delta R.T. -0.03 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

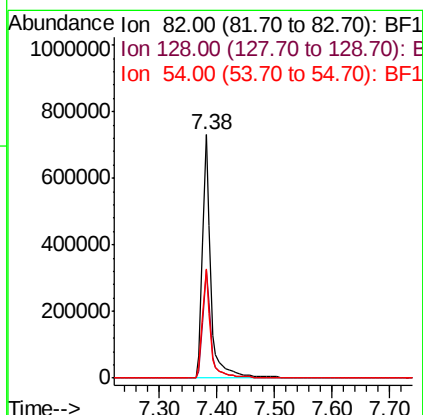
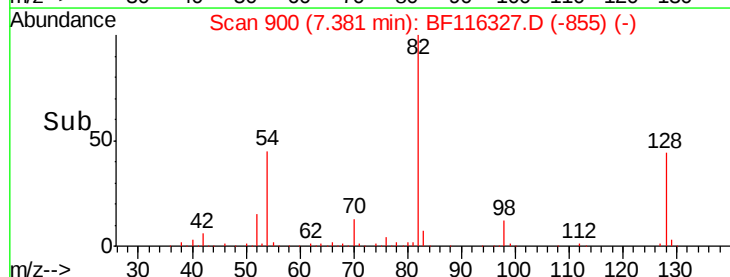
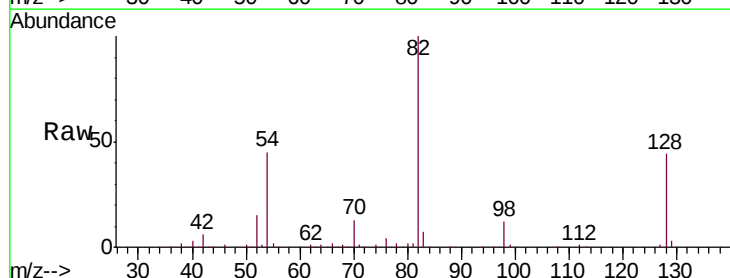
Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 603324 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.0   | 13.4   |
| 54       | 6.8   | 5.8   | 8.6    |
| 68       | 6.2   | 5.2   | 7.8    |



#23  
Nitrobenzene-d5  
Concen: 72.504 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.04 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 757818 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.4  | 36.5  | 54.7   |
| 54       | 45.0  | 36.0  | 54.0   |

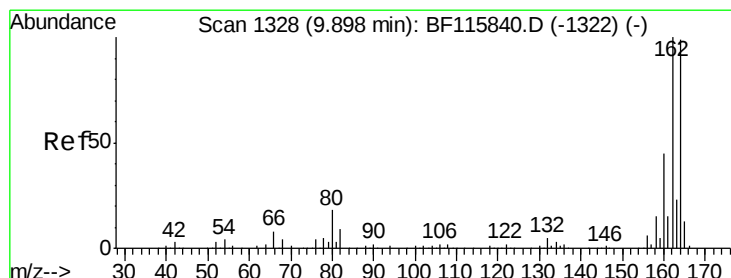
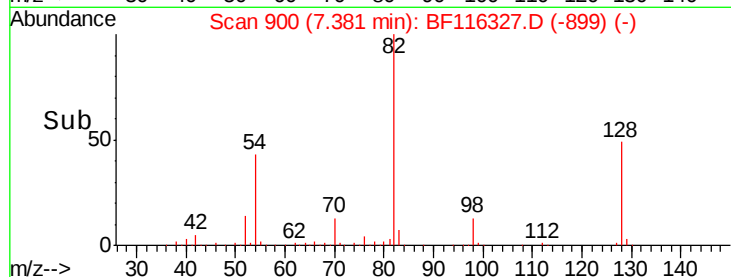
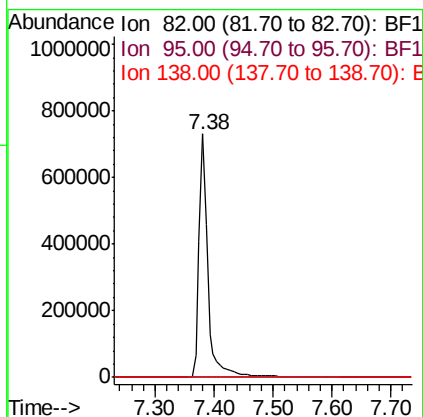
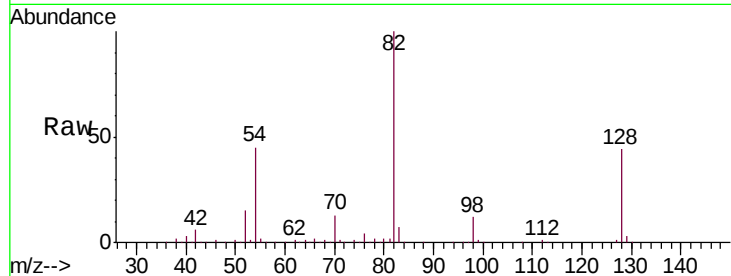




#25  
Isophorone  
Concen: 37.917 ng  
RT: 7.38 min Scan# 900  
Delta R.T. -0.29 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

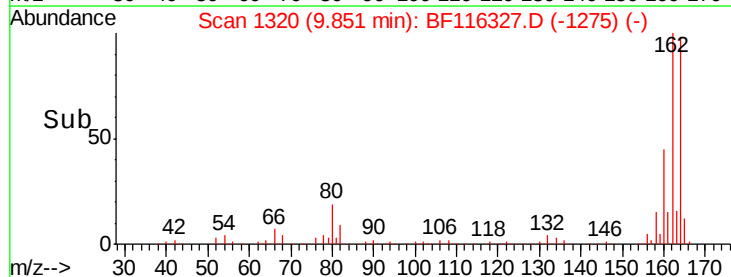
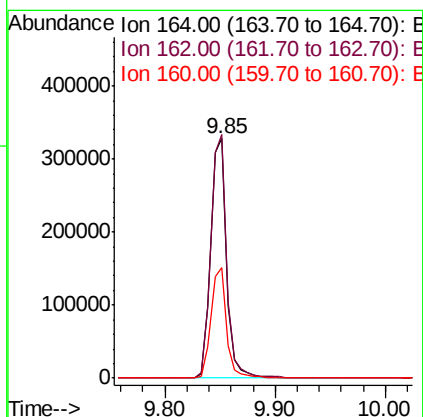
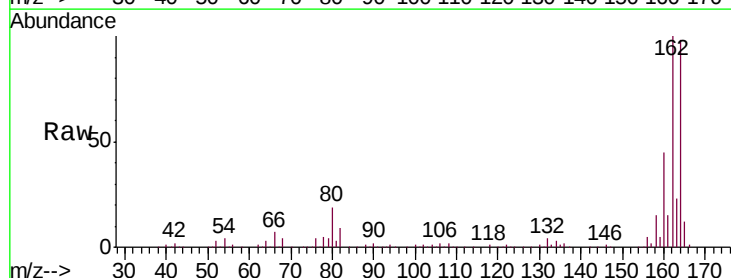
Instrument :  
BNA\_F  
ClientSampled :  
TP-5

Tgt Ion: 82 Resp: 757814  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1320  
Delta R.T. -0.04 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

Tgt Ion: 164 Resp: 317980  
Ion Ratio Lower Upper  
164 100  
162 101.8 82.6 124.0  
160 46.1 37.6 56.4

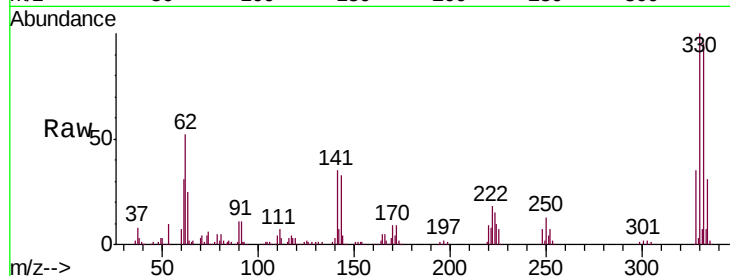




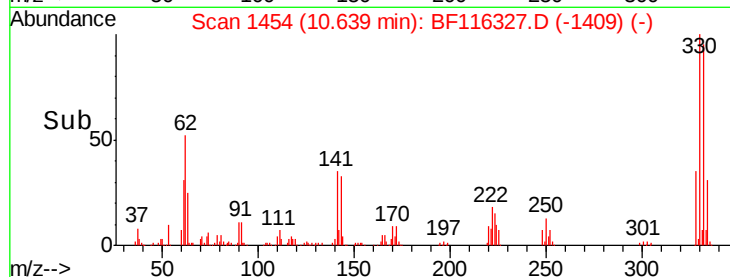
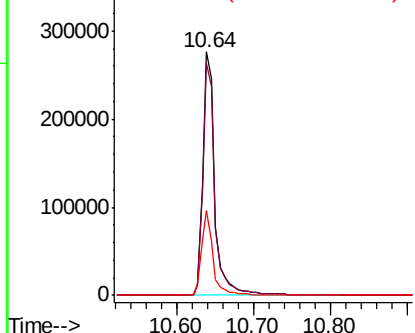
#42  
 2,4,6-Tribromophenol  
 Concen: 97.799 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.04 min  
 Lab File: BF116327.D  
 Acq: 16 Aug 2019 19:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-5

Tgt Ion:330 Resp: 301504  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 76.8 115.2  
 141 33.8 26.3 39.5

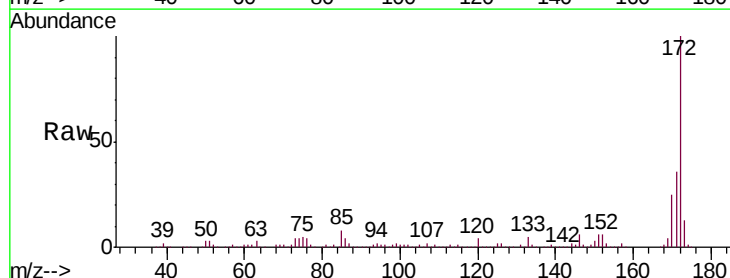


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

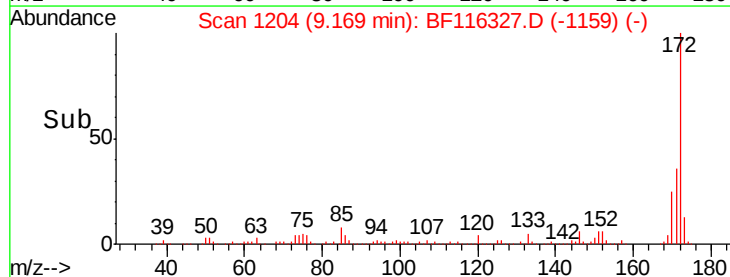
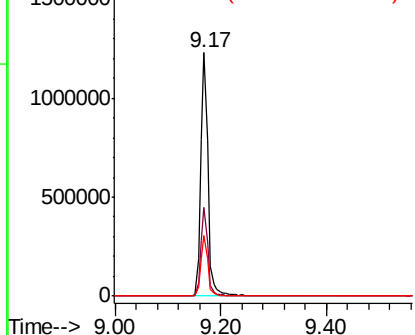


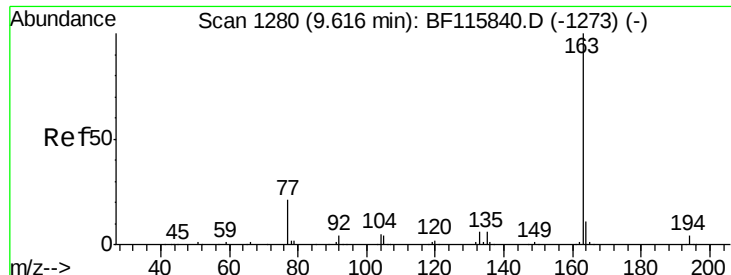
#45  
 2-Fluorobiphenyl  
 Concen: 70.415 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.04 min  
 Lab File: BF116327.D  
 Acq: 16 Aug 2019 19:39

Tgt Ion:172 Resp: 1195383  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.6 44.4  
 170 24.7 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

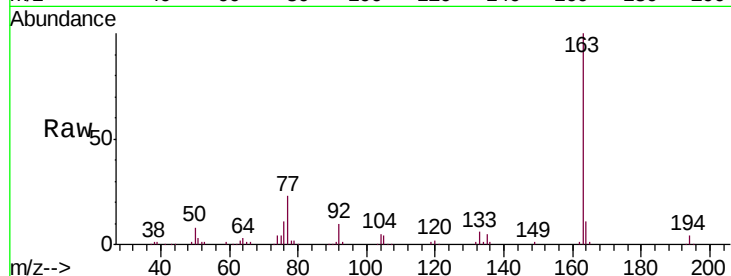




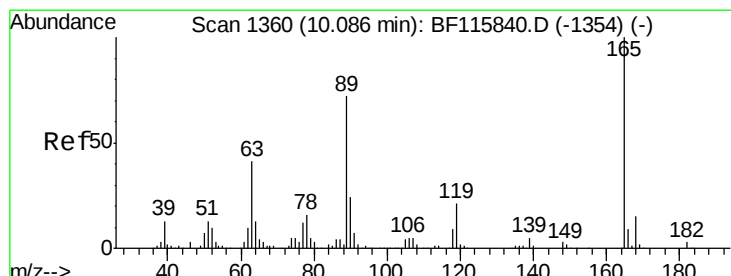
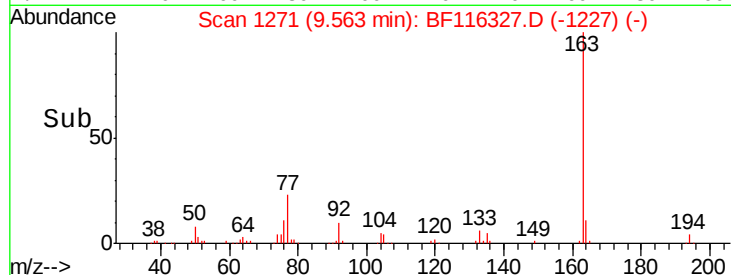
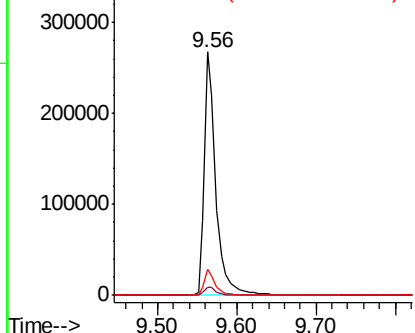
#50  
Dimethylphthalate  
Concen: 12.827 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.04 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

Tgt Ion:163 Resp: 277713  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.0 4.6  
164 10.5 8.4 12.6

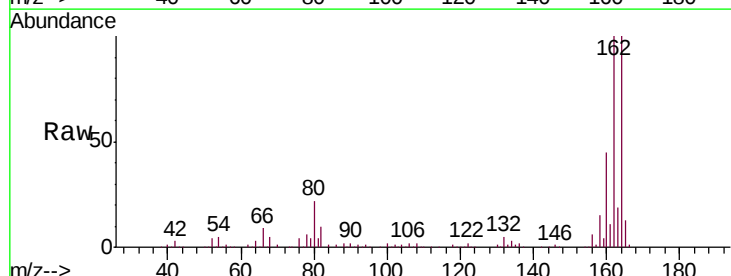


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

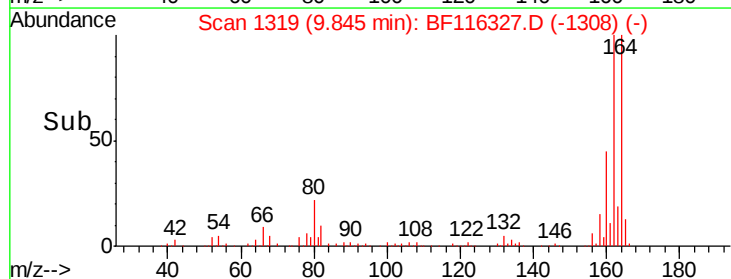
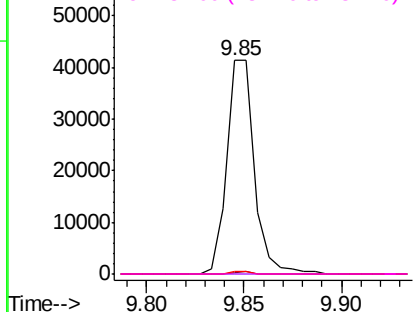


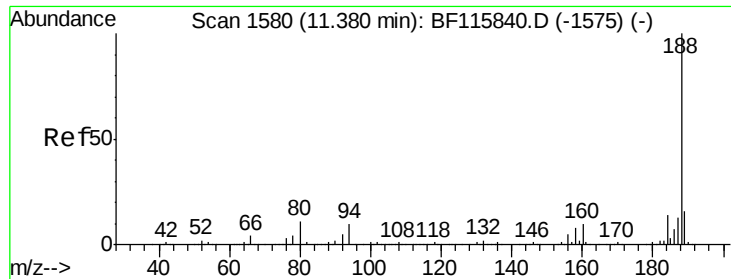
#57  
2,4-Dinitrotoluene  
Concen: 6.450 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.24 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

Tgt Ion:165 Resp: 40405  
Ion Ratio Lower Upper  
165 100  
63 0.9 39.6 59.4#  
89 1.4 62.2 93.2#  
182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.04 min

Lab File: BF116327.D

Acq: 16 Aug 2019 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-5

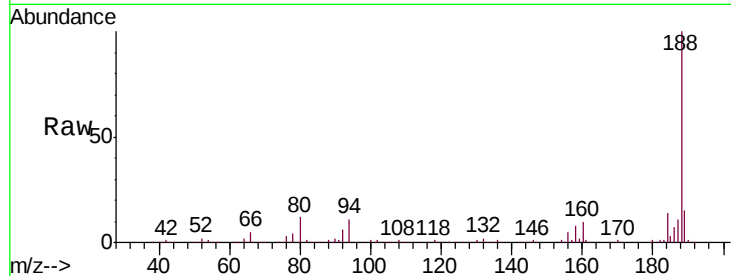
Tgt Ion:188 Resp: 541214

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

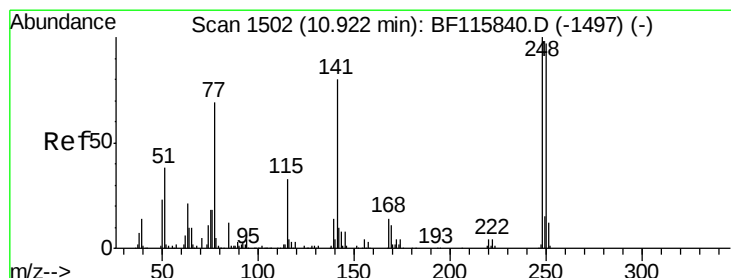
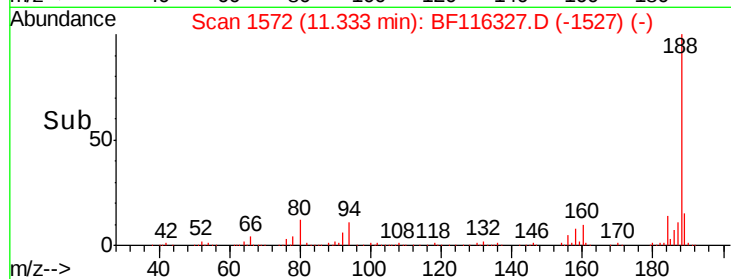
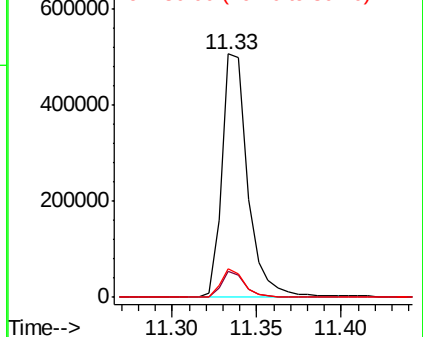
80 11.9 8.7 13.1



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



#67

4-Bromophenyl-phenylether

Concen: 3.171 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.27 min

Lab File: BF116327.D

Acq: 16 Aug 2019 19:39

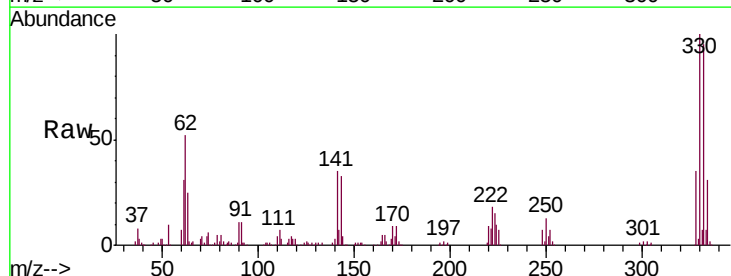
Tgt Ion:248 Resp: 18373

Ion Ratio Lower Upper

248 100

250 185.8 77.4 116.2#

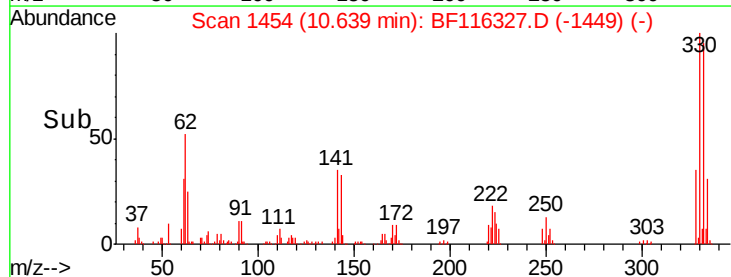
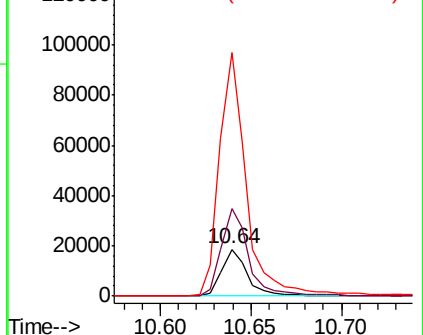
141 519.8 56.8 85.2#

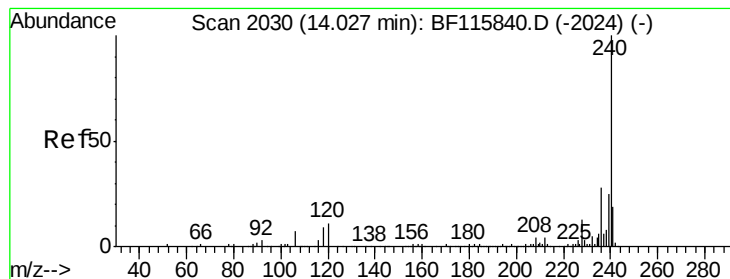


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF116327.D

Acq: 16 Aug 2019 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-5

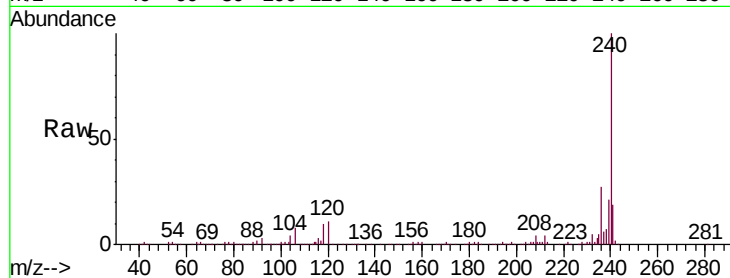
Tgt Ion:240 Resp: 380907

Ion Ratio Lower Upper

240 100

120 10.8 10.7 16.1

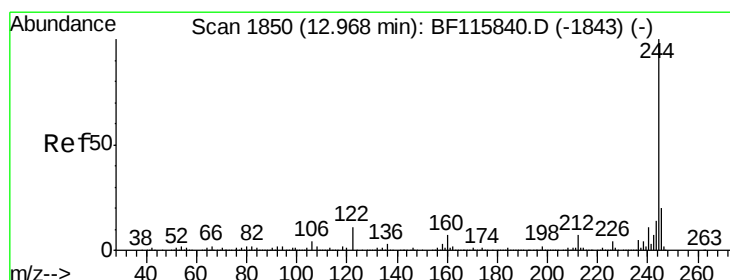
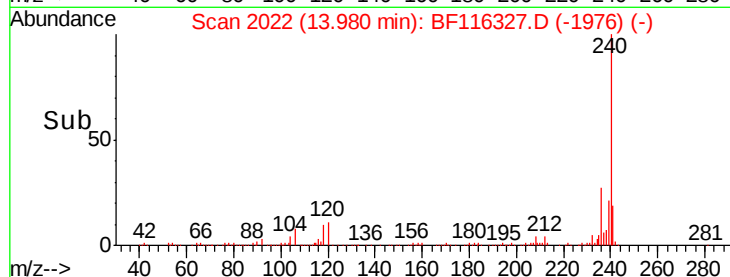
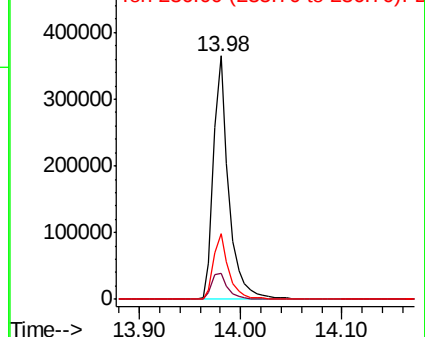
236 27.1 22.2 33.2



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: 65.531 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116327.D

Acq: 16 Aug 2019 19:39

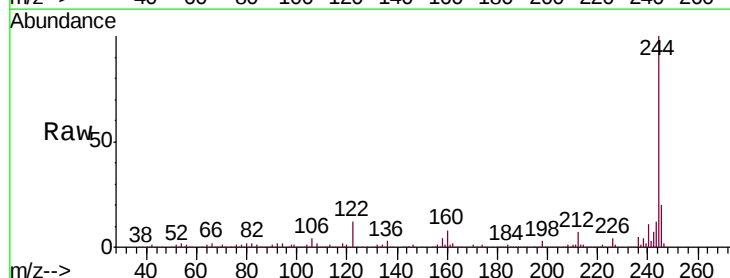
Tgt Ion:244 Resp: 1184579

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

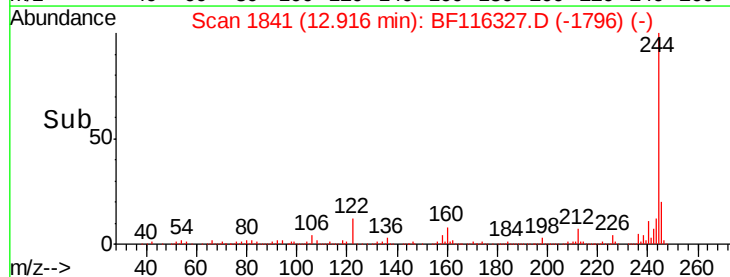
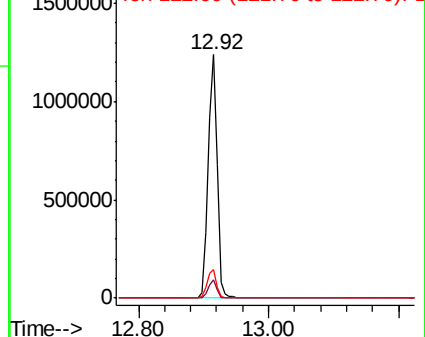
122 11.8 9.0 13.4

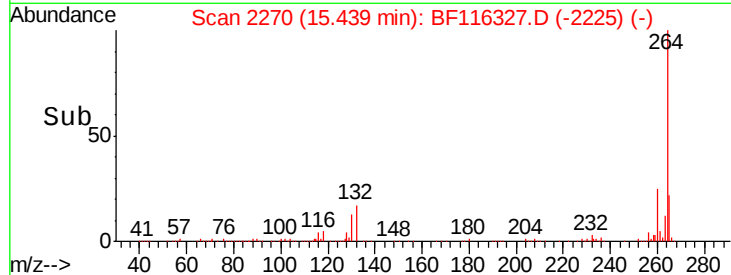
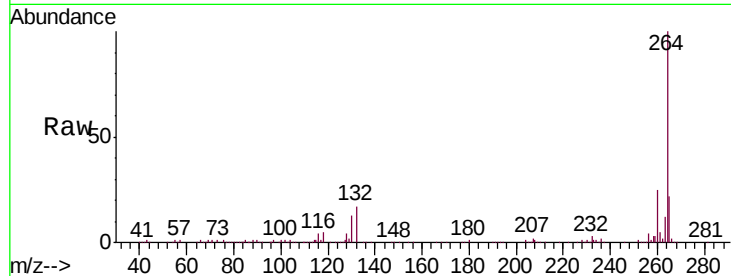
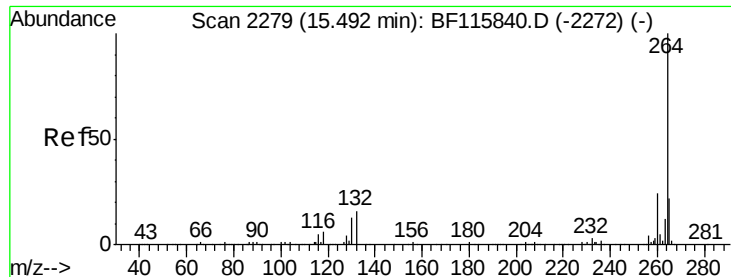


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.44 min Scan# 2270  
Delta R.T. -0.04 min  
Lab File: BF116327.D  
Acq: 16 Aug 2019 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
TP-5

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 342005 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 25.0  | 19.7  | 29.5   |
| 265      | 21.5  | 17.4  | 26.0   |

