

Data File : BF116055.D  
Acq On : 7 Aug 2019 18:54  
Operator : HP/JU  
Sample : K4154-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TRIPLE-BARREL-BC-EAST

Quant Time: Aug 08 07:44:17 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

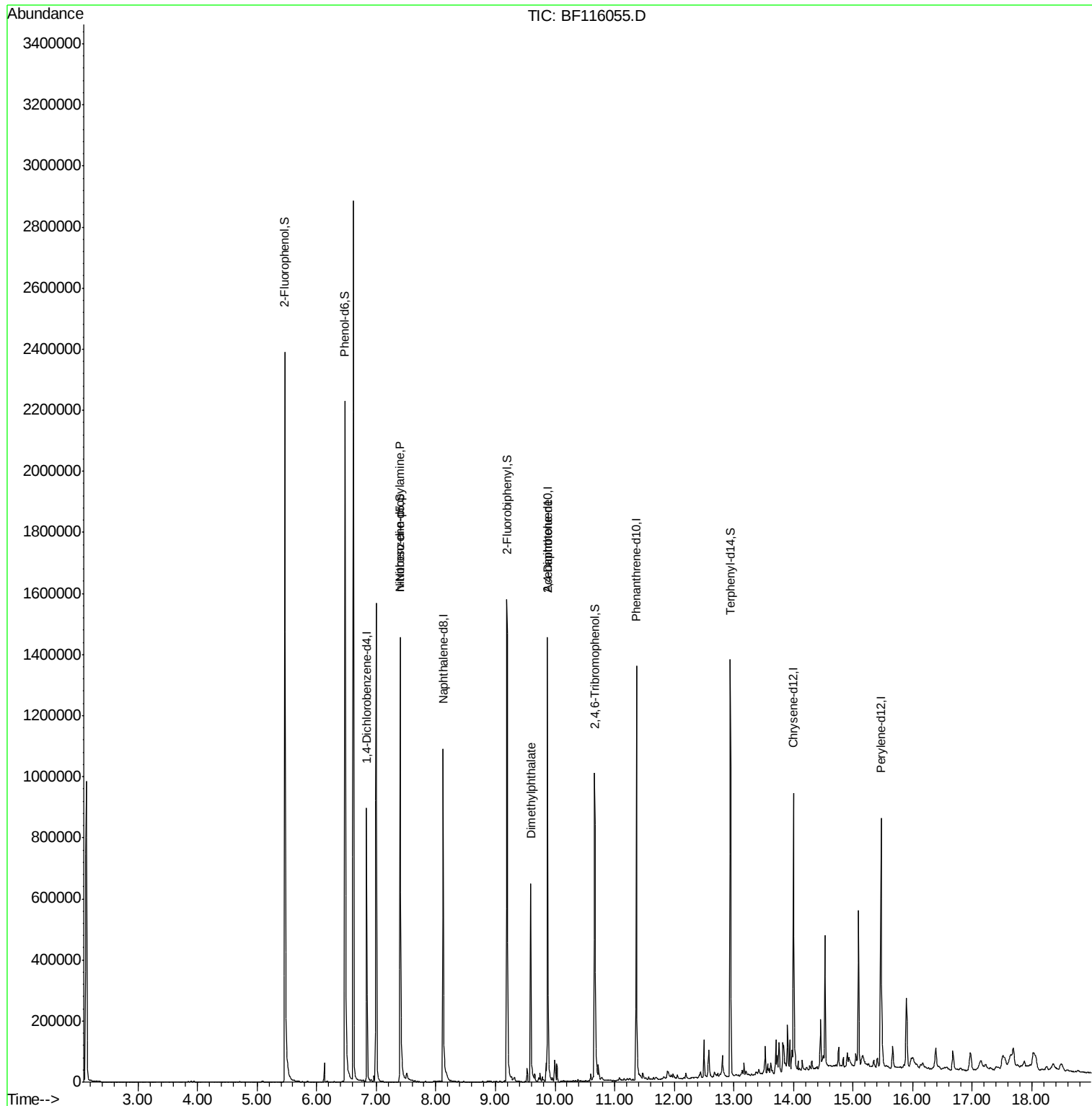
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 145214   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.12  | 136  | 584336   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 9.87  | 164  | 304854   | 20.00  | ng    | -0.01       |
| 64) Phenanthrene-d10           | 11.36 | 188  | 520456   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12               | 14.00 | 240  | 307555   | 20.00  | ng    | 0.00        |
| 87) Perylene-d12               | 15.47 | 264  | 372155   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.47  | 112  | 739591   | 85.26  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.48  | 99   | 969445   | 88.58  | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 542031   | 53.54  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 149983   | 50.74  | ng    | 0.00        |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 572435   | 35.17  | ng    | -0.01       |
| 79) Terphenyl-d14              | 12.94 | 244  | 470392   | 32.23  | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 71781    | 10.584 | ng    | Qvalue # 80 |
| 50) Dimethylphthalate          | 9.59  | 163  | 334761   | 16.128 | ng    | 99          |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 39196    | 6.526  | ng    | # 20        |

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

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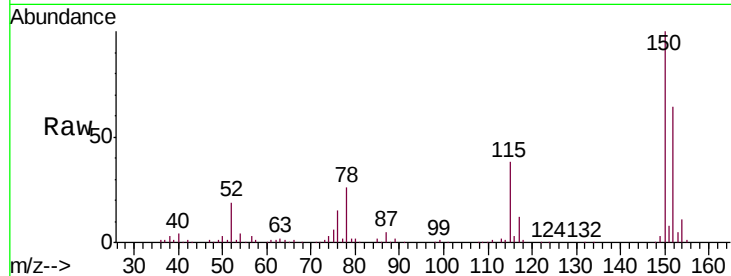




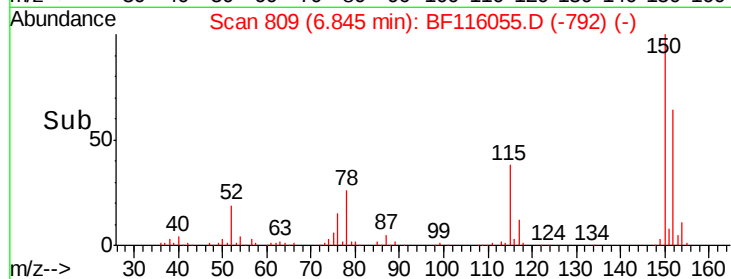
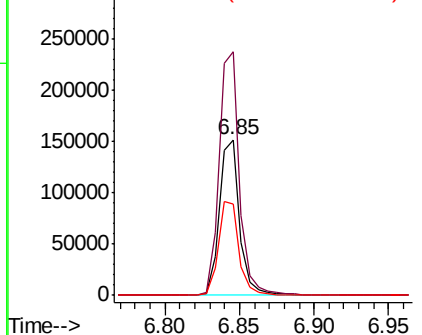
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.00 min  
 Lab File: BF116055.D  
 Acq: 7 Aug 2019 18:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRIPLE-BARREL-BC-EAST

Tgt Ion:152 Resp: 145214  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 126.2 189.2  
 115 59.0 49.9 74.9

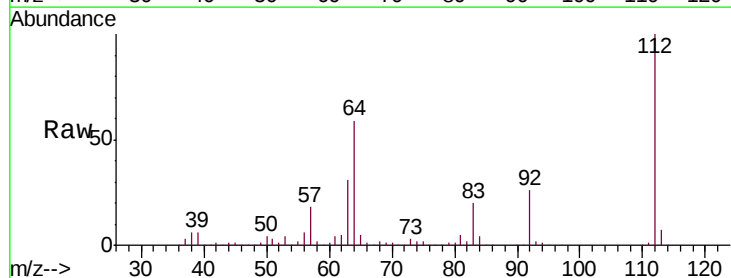


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

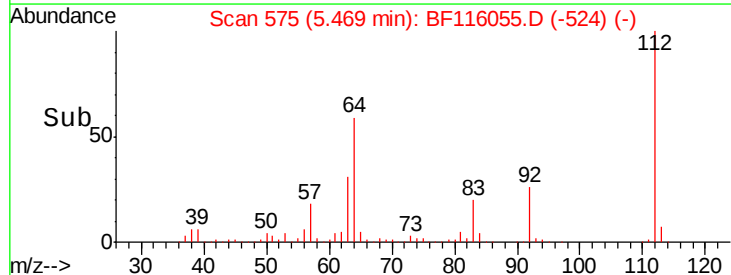
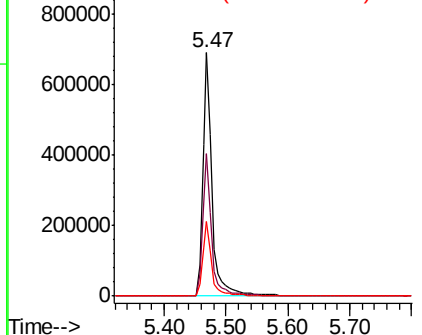


#5  
 2-Fluorophenol  
 Concen: 85.262 ng  
 RT: 5.47 min Scan# 575  
 Delta R.T. -0.00 min  
 Lab File: BF116055.D  
 Acq: 7 Aug 2019 18:54

Tgt Ion:112 Resp: 739591  
 Ion Ratio Lower Upper  
 112 100  
 64 58.6 45.4 68.2  
 63 30.6 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: 88.581 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 18:54

Instrument :

BNA\_F

ClientSampleId :

TRIPLE-BARREL-BC-EAST

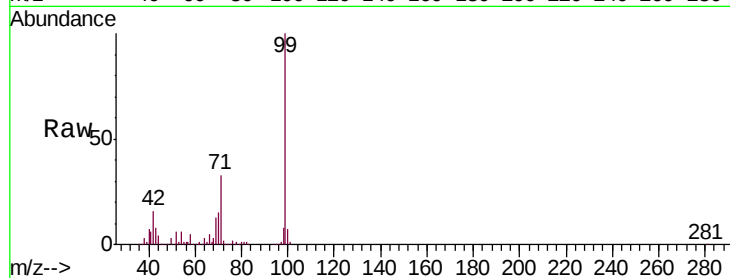
Tgt Ion: 99 Resp: 969445

Ion Ratio Lower Upper

99 100

42 16.1 13.8 20.8

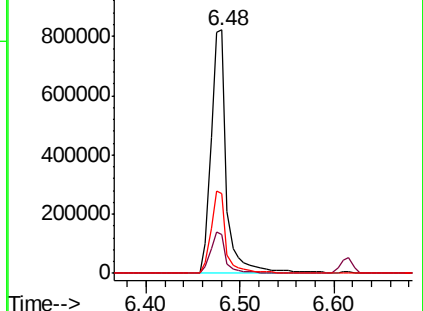
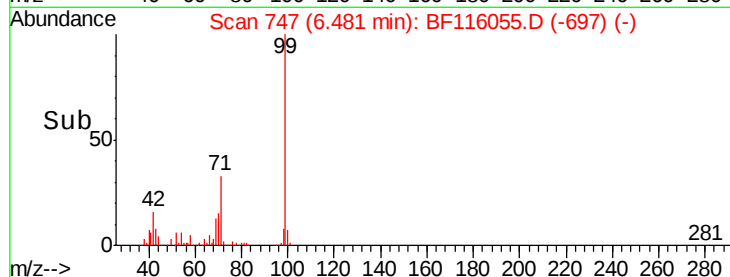
71 32.9 27.3 40.9



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: 10.584 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116055.D

Acq: 7 Aug 2019 18:54

Tgt Ion: 70 Resp: 71781

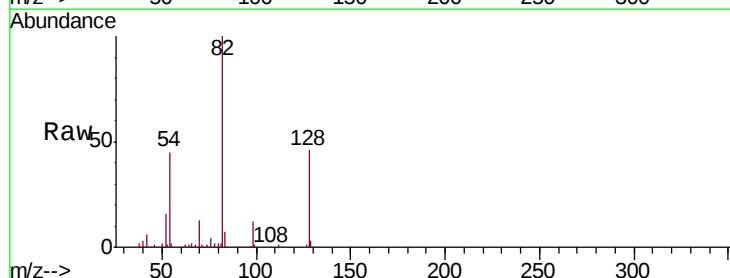
Ion Ratio Lower Upper

70 100

42 43.8 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

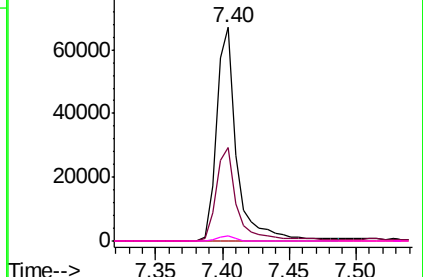
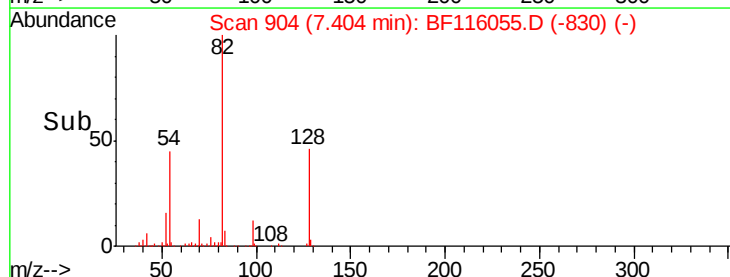


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

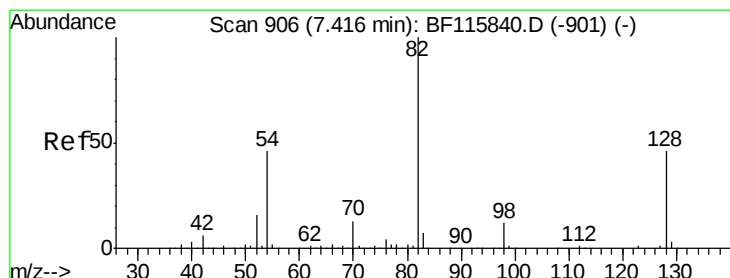
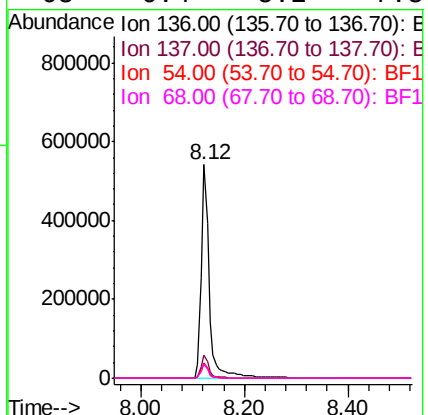
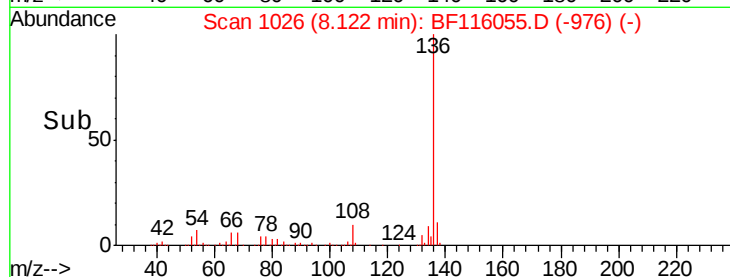
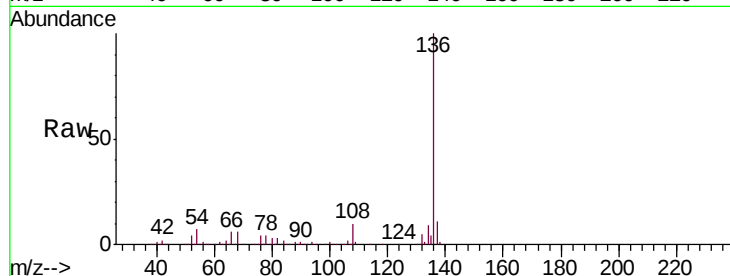




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.12 min Scan# 1026  
Delta R.T. -0.01 min  
Lab File: BF116055.D  
Acq: 7 Aug 2019 18:54

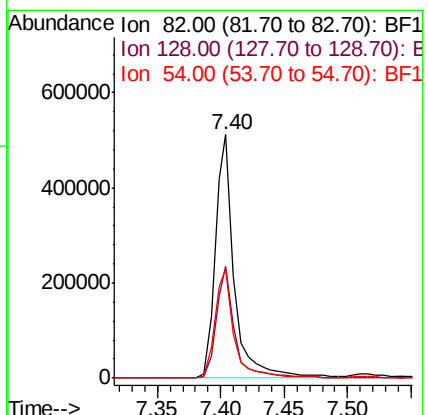
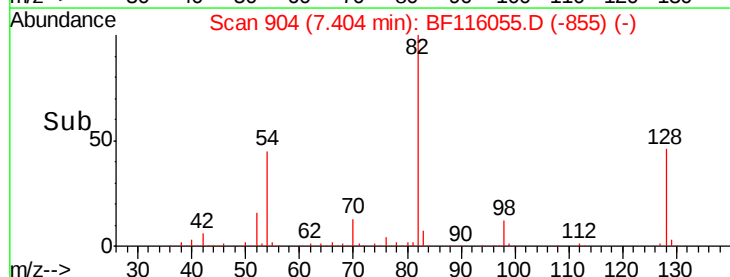
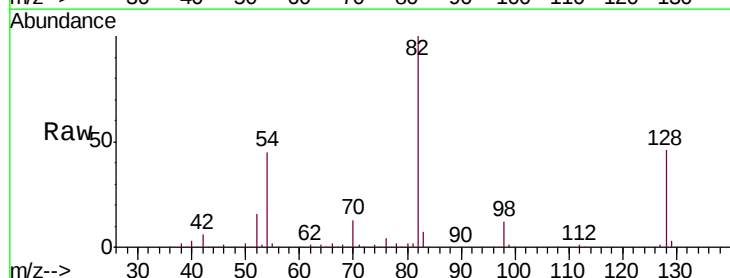
Instrument :  
BNA\_F  
ClientSampleId :  
TRIPLE-BARREL-BC-EAST

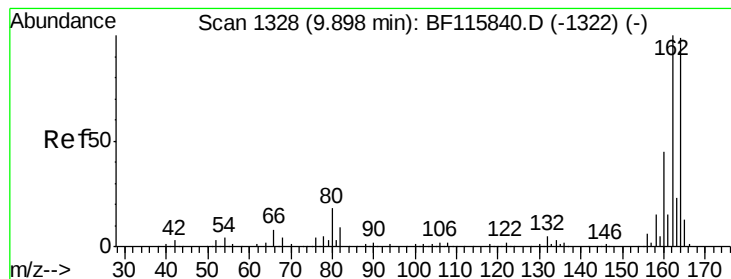
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 584336 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.0   | 13.4   |
| 54       | 7.1   | 5.8   | 8.6    |
| 68       | 6.4   | 5.2   | 7.8    |



#23  
Nitrobenzene-d5  
Concen: 53.544 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.01 min  
Lab File: BF116055.D  
Acq: 7 Aug 2019 18:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 542031 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 45.9  | 36.5  | 54.7   |
| 54       | 45.0  | 36.0  | 54.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 18:54

Instrument :

BNA\_F

ClientSampleId :

TRIPLE-BARREL-BC-EAST

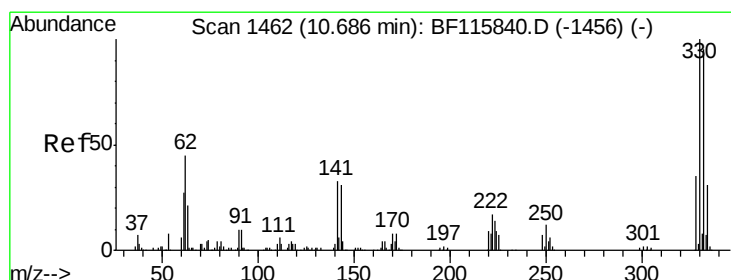
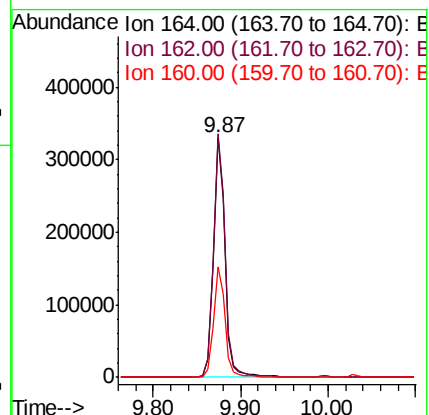
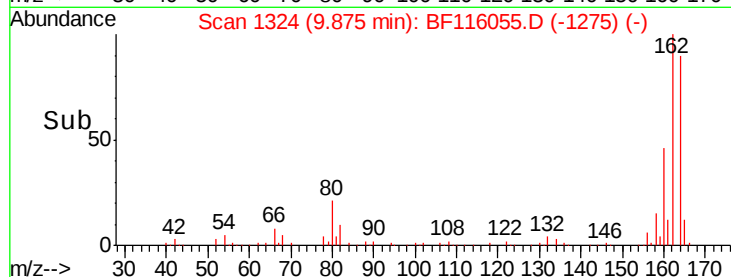
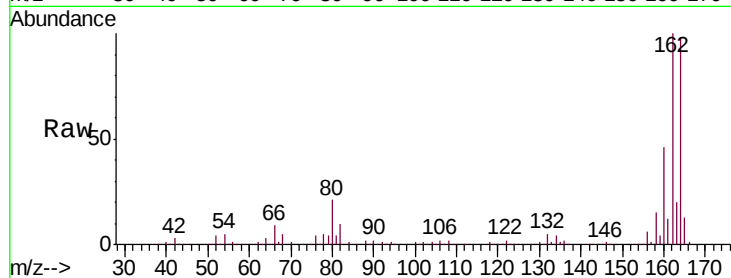
Tgt Ion:164 Resp: 304854

Ion Ratio Lower Upper

164 100

162 101.8 82.6 124.0

160 46.4 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 50.745 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 18:54

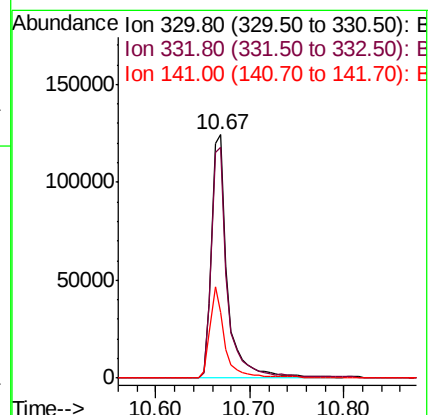
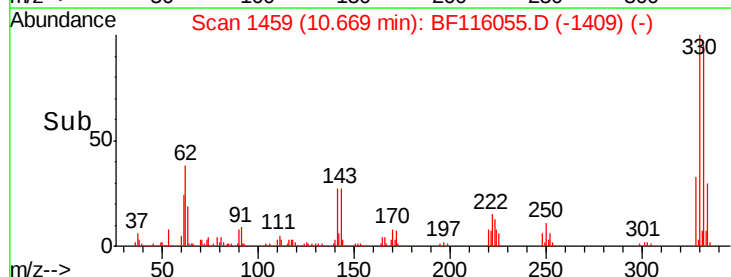
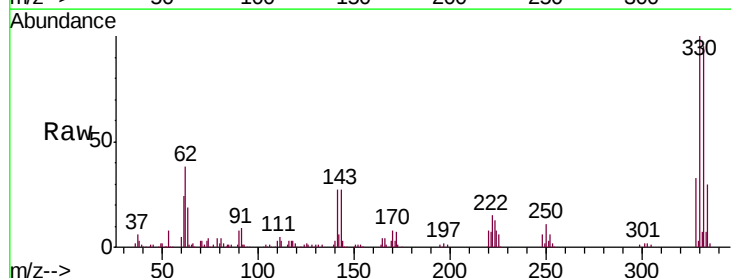
Tgt Ion:330 Resp: 149983

Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 34.8 26.3 39.5

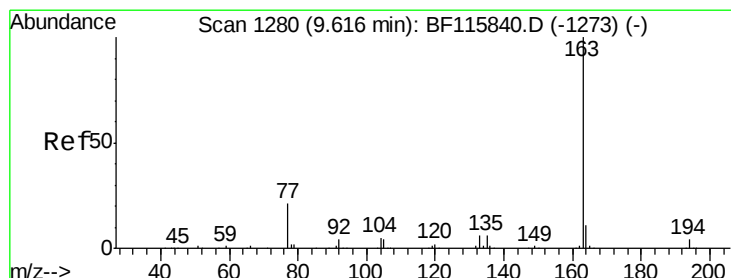
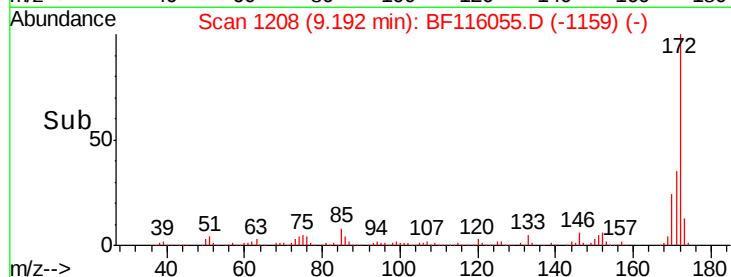
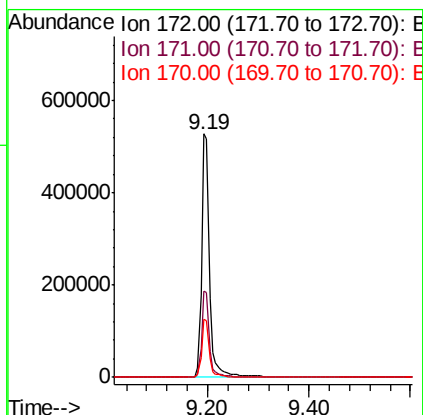
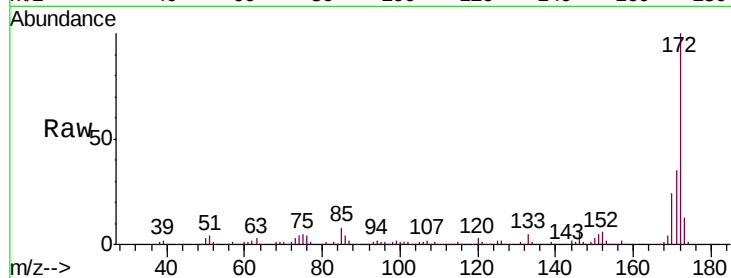




#45  
 2-Fluorobiphenyl  
 Concen: 35.171 ng  
 RT: 9.19 min Scan# 1208  
 Delta R.T. -0.01 min  
 Lab File: BF116055.D  
 Acq: 7 Aug 2019 18:54

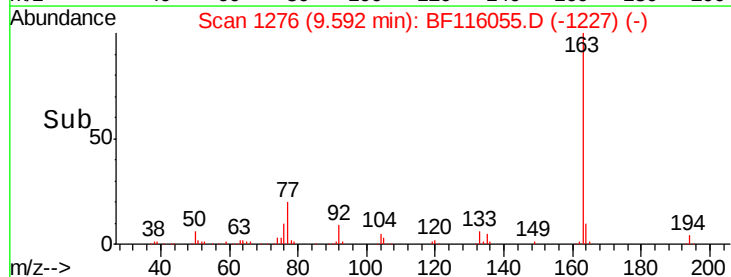
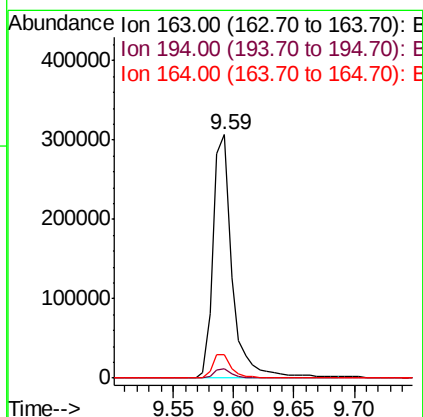
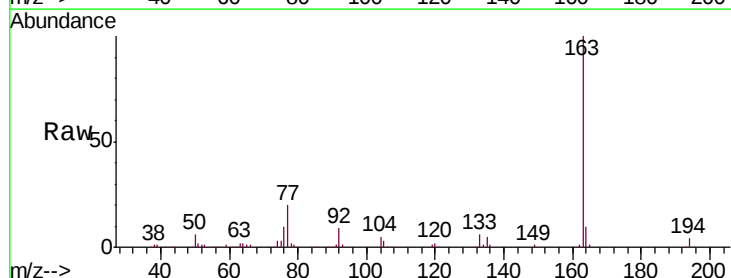
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRIPLE-BARREL-BC-EAST

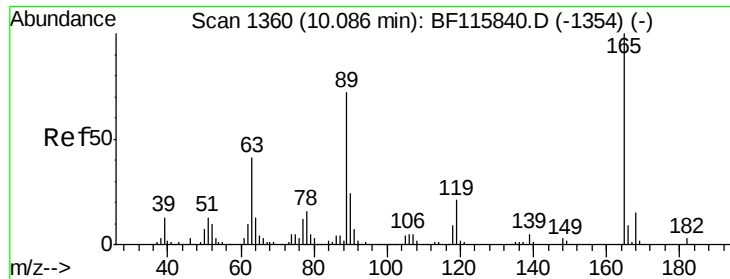
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.4  | 29.6  | 44.4  |
| 170     | 23.9  | 20.1  | 30.1  |



#50  
 Dimethylphthalate  
 Concen: 16.128 ng  
 RT: 9.59 min Scan# 1276  
 Delta R.T. -0.01 min  
 Lab File: BF116055.D  
 Acq: 7 Aug 2019 18:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.0   | 4.6   |
| 164     | 9.8   | 8.4   | 12.6  |





#57

2,4-Dinitrotoluene

Concen: 6.526 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF116055.D

Acq: 7 Aug 2019 18:54

Instrument :

BNA\_F

ClientSampleId :

TRIPLE-BARREL-BC-EAST

Tgt Ion:165 Resp: 39196

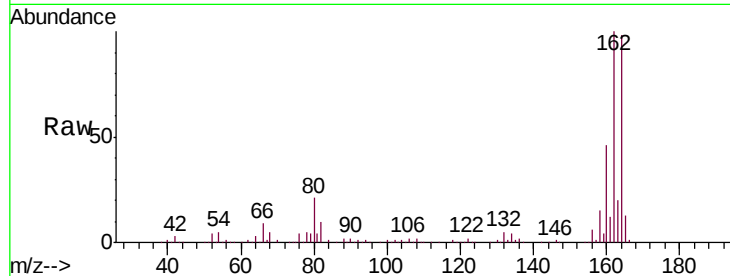
Ion Ratio Lower Upper

165 100

63 1.1 39.6 59.4#

89 1.3 62.2 93.2#

182 0.0 2.1 3.1#

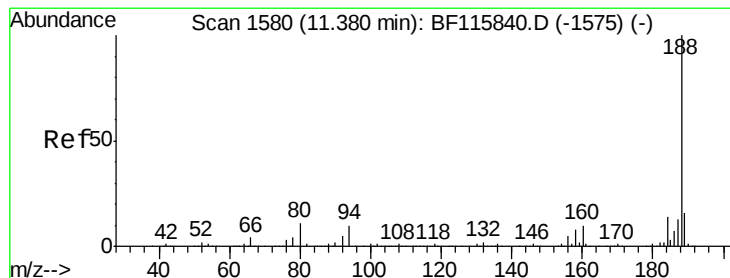
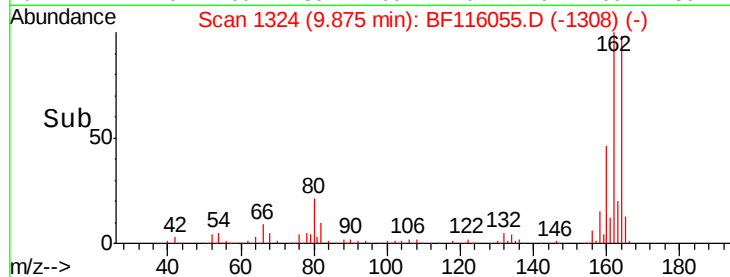
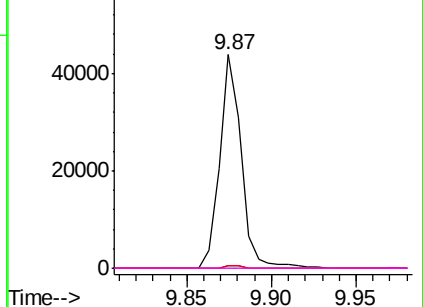


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116055.D

Acq: 7 Aug 2019 18:54

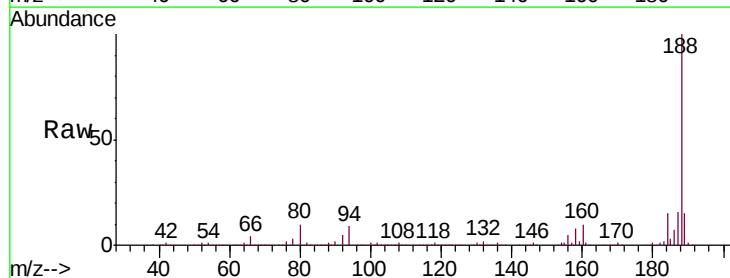
Tgt Ion:188 Resp: 520456

Ion Ratio Lower Upper

188 100

94 9.4 8.1 12.1

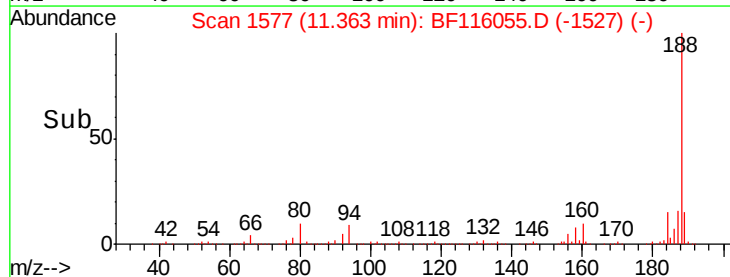
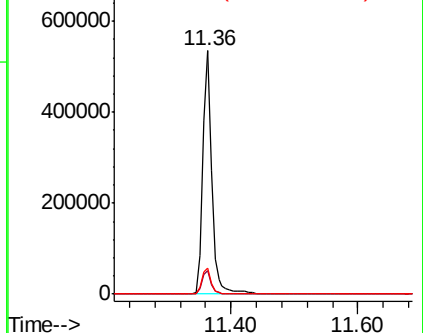
80 10.5 8.7 13.1

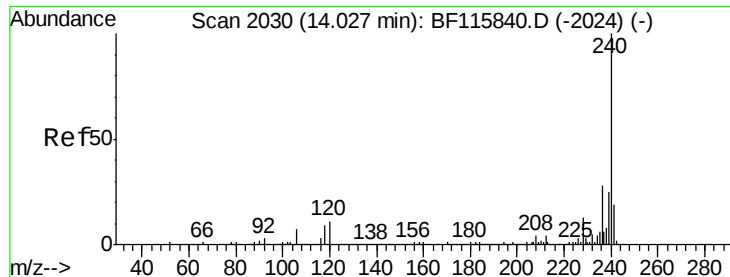


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

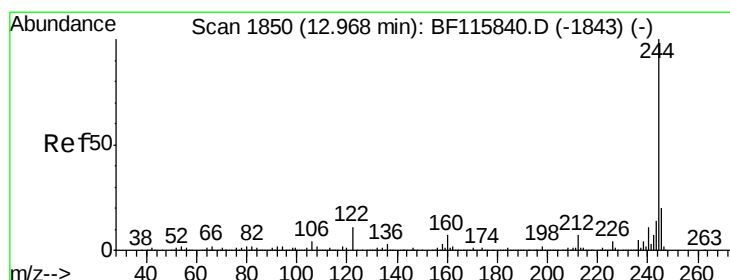
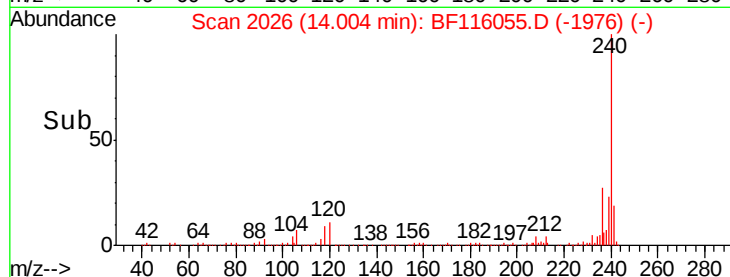
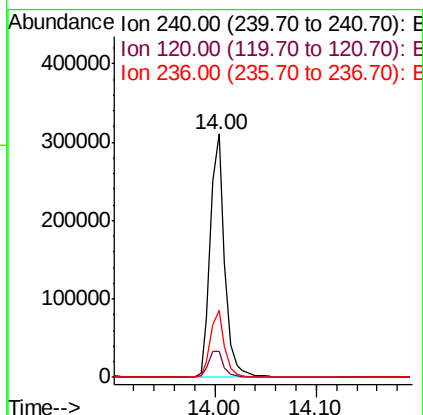
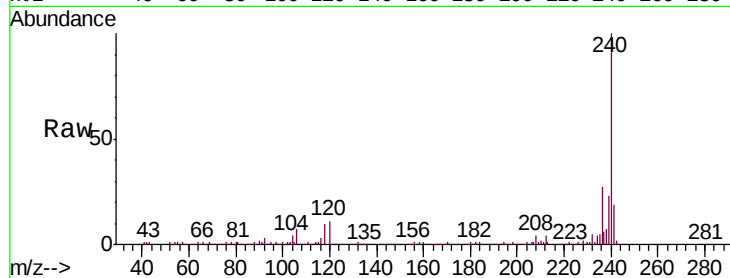




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BF116055.D  
 Acq: 7 Aug 2019 18:54

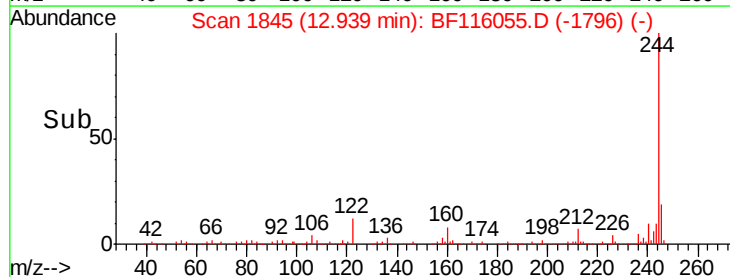
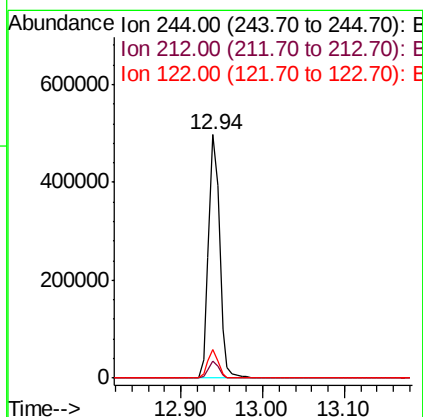
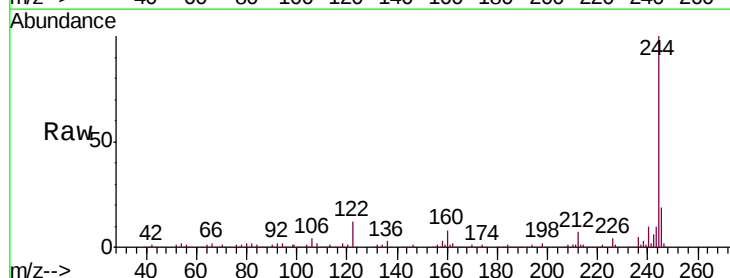
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRIPLE-BARREL-BC-EAST

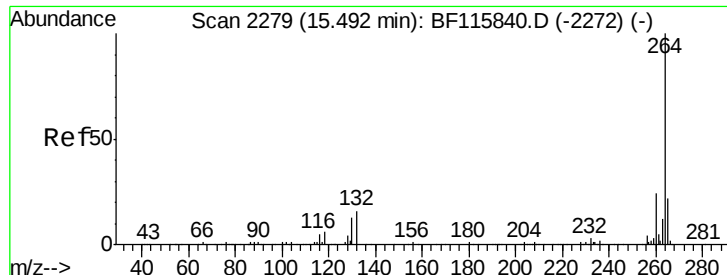
Tgt Ion:240 Resp: 307555  
 Ion Ratio Lower Upper  
 240 100  
 120 10.8 10.7 16.1  
 236 27.5 22.2 33.2



#79  
 Terphenyl-d14  
 Concen: 32.228 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BF116055.D  
 Acq: 7 Aug 2019 18:54

Tgt Ion:244 Resp: 470392  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.8  
 122 11.9 9.0 13.4





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. -0.01 min  
Lab File: BF116055.D  
Acq: 7 Aug 2019 18:54

Instrument :  
BNA\_F  
ClientSampleId :  
TRIPLE-BARREL-BC-EAST

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 19.7  | 29.5  |
| 265     | 21.7  | 17.4  | 26.0  |

