

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090919\  
 Data File : BF116916.D  
 Acq On : 10 Sep 2019 00:06  
 Operator : HP/JU  
 Sample : K4759-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-4-8

Quant Time: Sep 10 04:02:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 30 20:02:30 2019  
 Response via : Initial Calibration

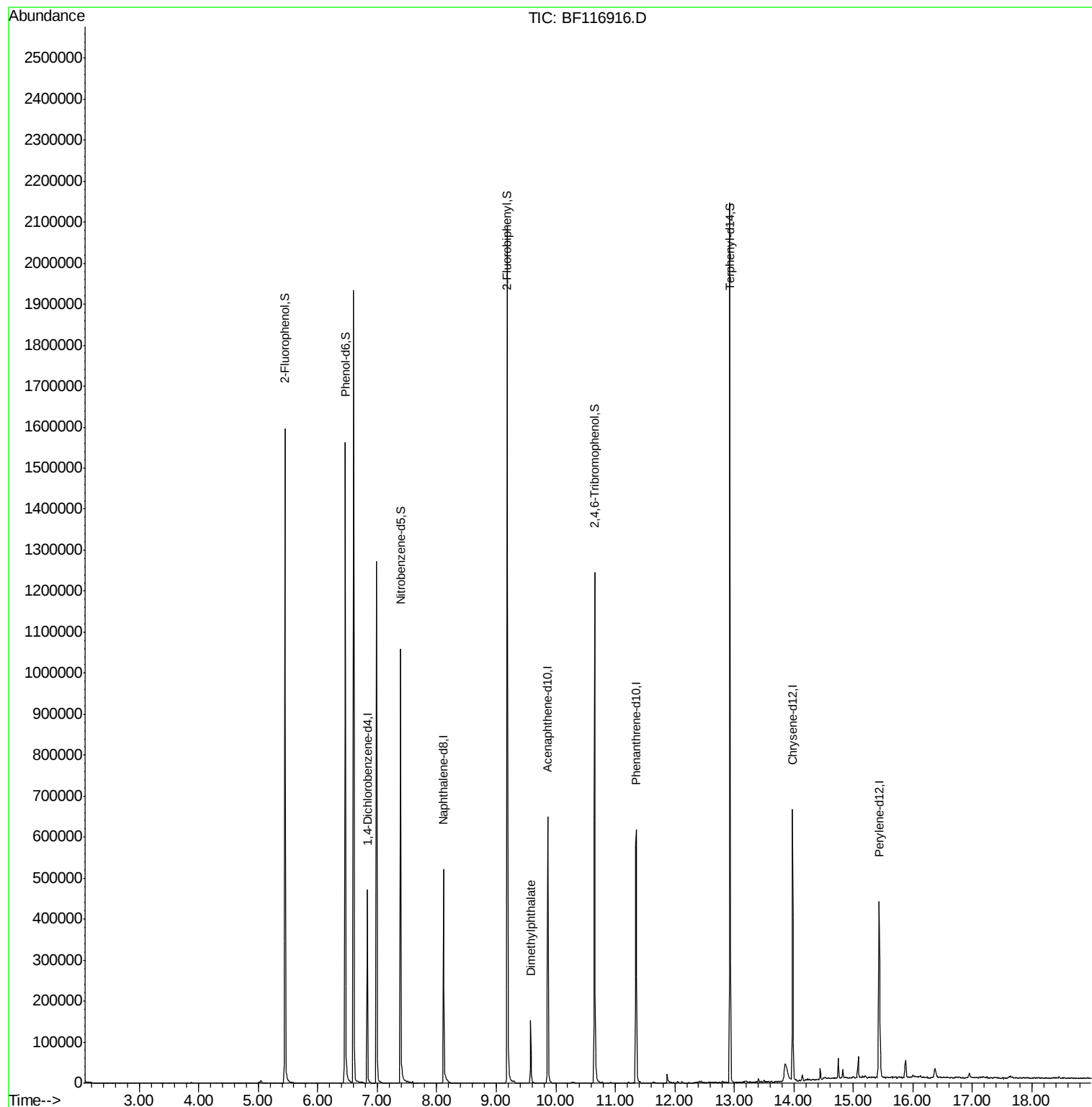
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 68399    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 8.12  | 136  | 278847   | 20.00  | ng    | -0.02     |
| 39) Acenaphthene-d10        | 9.86  | 164  | 145547   | 20.00  | ng    | -0.02     |
| 64) Phenanthrene-d10        | 11.35 | 188  | 256457   | 20.00  | ng    | -0.02     |
| 76) Chrysene-d12            | 13.98 | 240  | 215199   | 20.00  | ng    | -0.02     |
| 87) Perylene-d12            | 15.43 | 264  | 208400   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.45  | 112  | 446832   | 105.83 | ng    | -0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 617914   | 111.46 | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 376724   | 77.13  | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 10.65 | 330  | 136477   | 140.26 | ng    | -0.02     |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 647440   | 75.04  | ng    | -0.02     |
| 79) Terphenyl-d14           | 12.93 | 244  | 726051   | 62.41  | ng    | -0.02     |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 9.58  | 163  | 74505    | 7.415  | ng    | Qvalue 97 |

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

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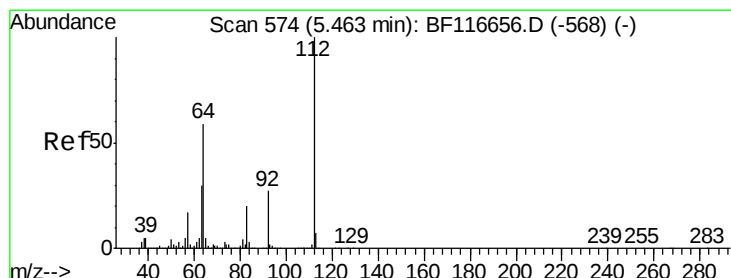
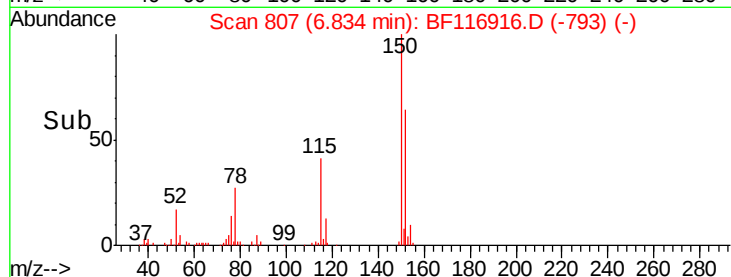
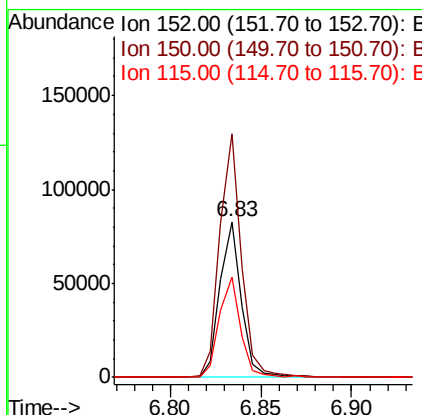
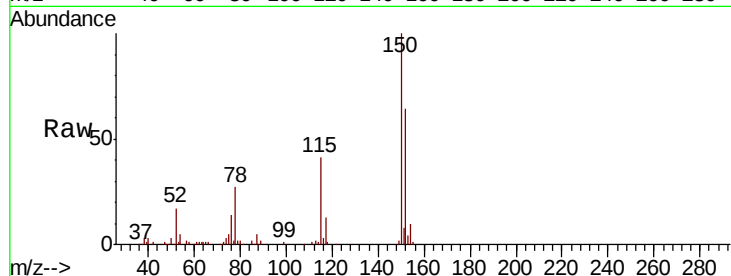


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.02 min  
Lab File: BF116916.D  
Acq: 10 Sep 2019 00:06

Instrument :  
BNA\_F  
ClientSampleId :  
C-4-8

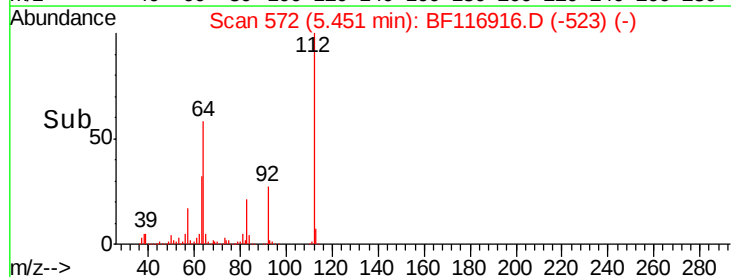
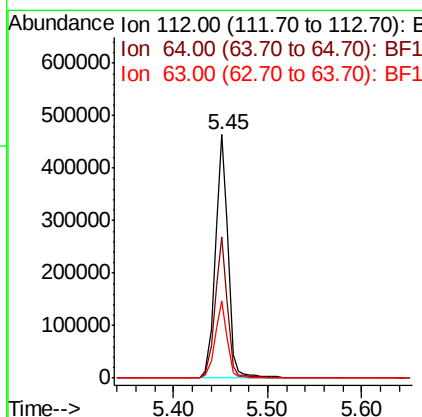
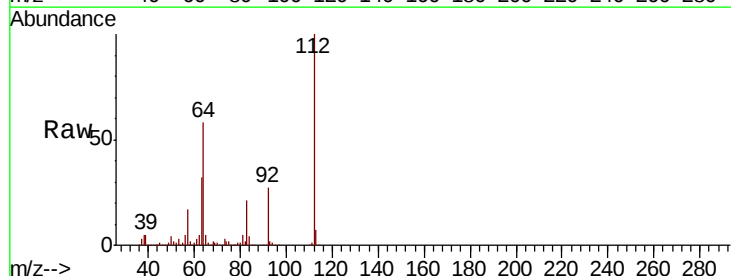
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.5 | 124.4 | 186.6 |
| 115     | 64.1  | 49.9  | 74.9  |



#5

2-Fluorophenol  
Concen: 105.834 ng  
RT: 5.45 min Scan# 572  
Delta R.T. -0.01 min  
Lab File: BF116916.D  
Acq: 10 Sep 2019 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.7  | 47.1  | 70.7  |
| 63      | 32.0  | 24.9  | 37.3  |





#7

Phenol-d6

Concen: 111.457 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116916.D

Acq: 10 Sep 2019 00:06

Instrument :

BNA\_F

ClientSampleId :

C-4-8

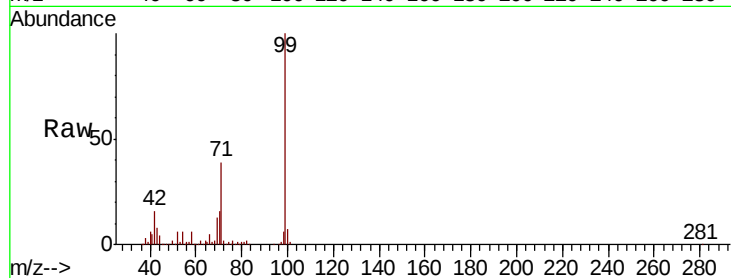
Tot Ion: 99 Resp: 617914

Ion Ratio Lower Upper

99 100

42 15.8 13.7 20.5

71 39.0 30.8 46.2



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

800000

600000

400000

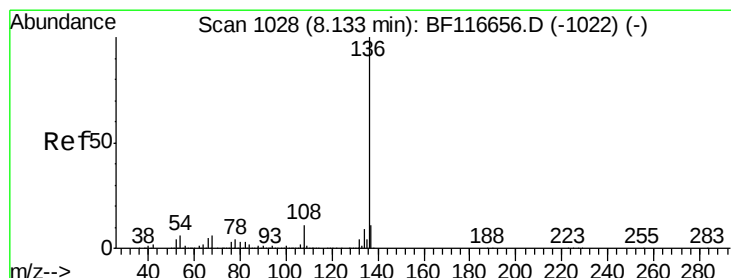
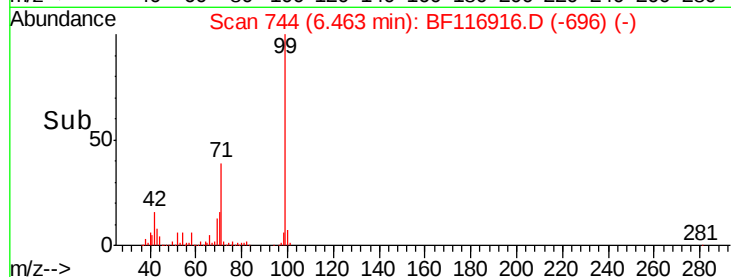
200000

0

6.40 6.50 6.60

6.46

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF116916.D

Acq: 10 Sep 2019 00:06

Tgt Ion: 136 Resp: 278847

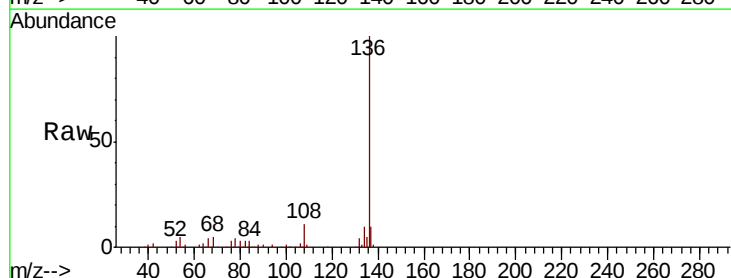
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 5.1 4.8 7.2

68 4.5 4.0 6.0



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

400000

300000

200000

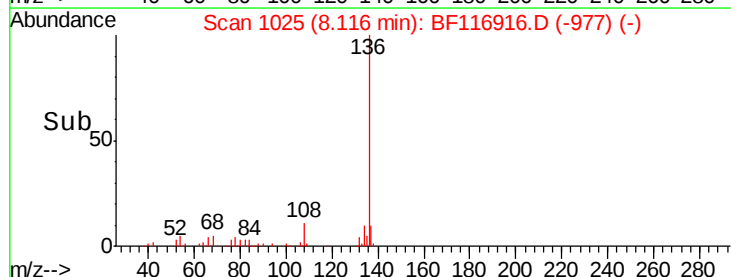
100000

0

8.00 8.10 8.20 8.30 8.40

8.12

Time-->

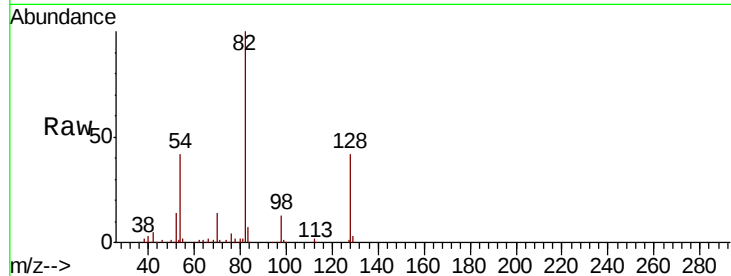




#23  
 Nitrobenzene-d5  
 Concen: 77.125 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.02 min  
 Lab File: BF116916.D  
 Acq: 10 Sep 2019 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-4-8

| Tot Ion | 82    | Resp  | 376724 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 41.8  | 32.8  | 49.2   |
| 54      | 41.8  | 36.9  | 55.3   |

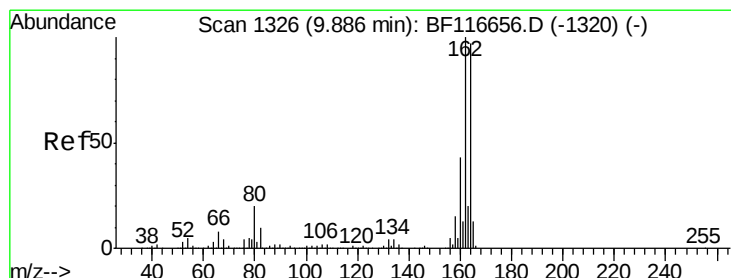
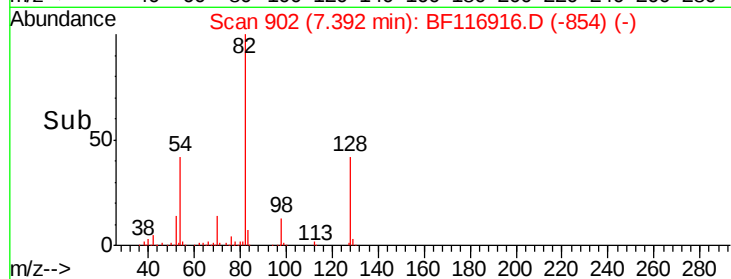
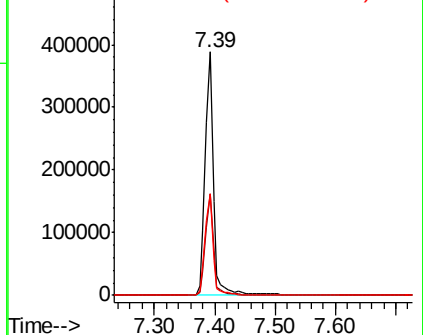


Abundance

Ion 82.00 (81.70 to 82.70): BF1

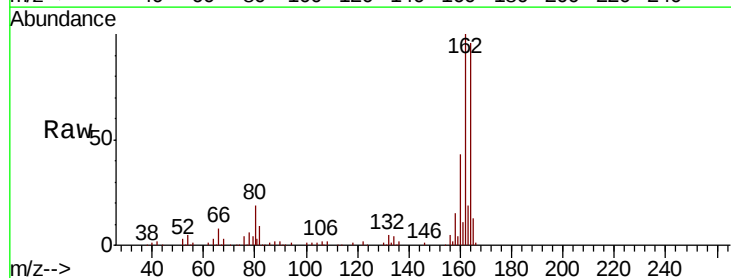
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. -0.02 min  
 Lab File: BF116916.D  
 Acq: 10 Sep 2019 00:06

| Tgt Ion | 164   | Resp  | 145547 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 164     | 100   |       |        |
| 162     | 104.2 | 81.4  | 122.0  |
| 160     | 45.0  | 35.4  | 53.2   |

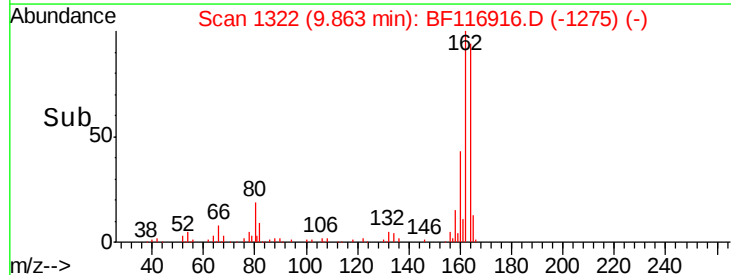
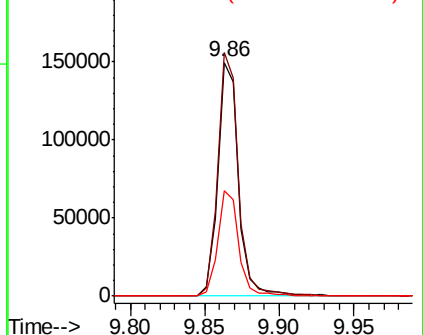


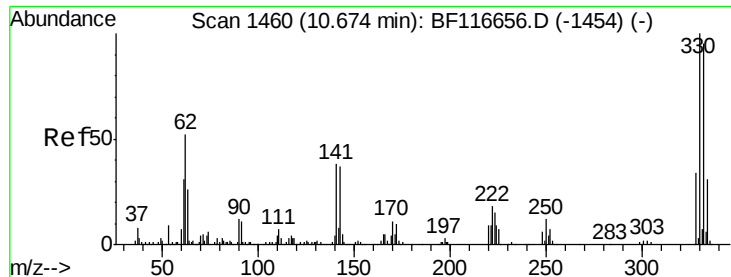
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

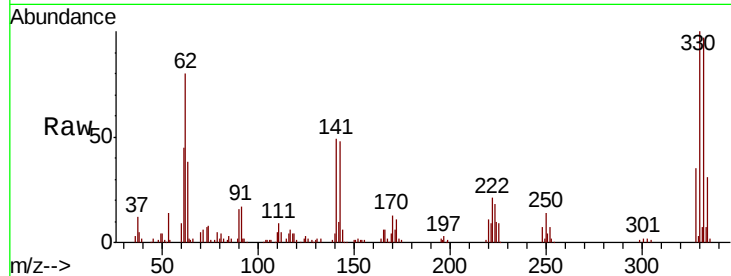




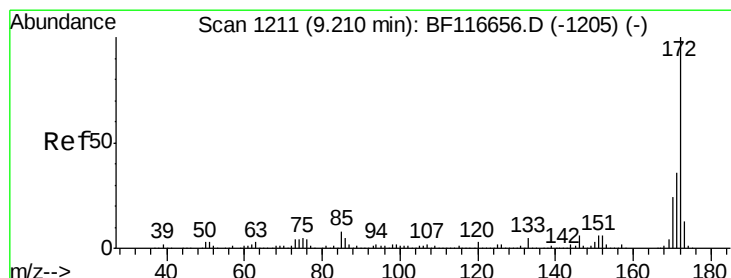
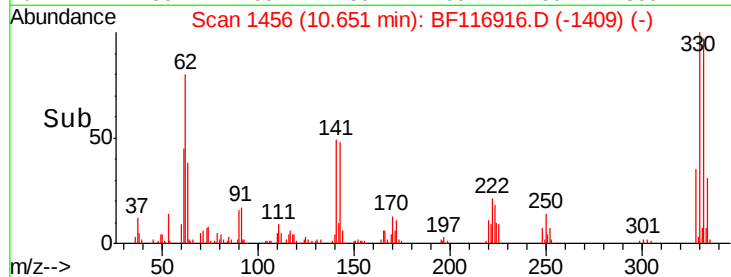
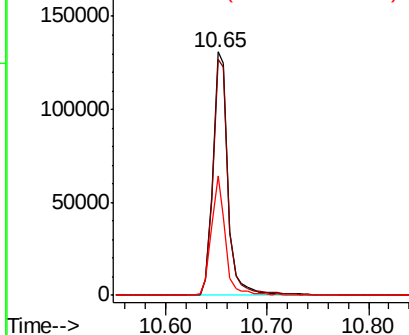
#42  
 2,4,6-Tribromophenol  
 Concen: 140.262 ng  
 RT: 10.65 min Scan# 1456  
 Delta R.T. -0.02 min  
 Lab File: BF116916.D  
 Acq: 10 Sep 2019 00:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-4-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.9  | 76.9  | 115.3 |
| 141     | 45.4  | 31.4  | 47.2  |

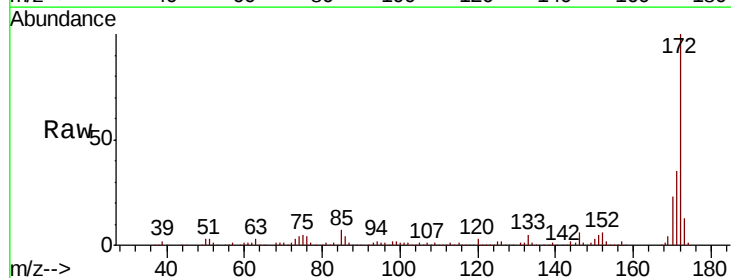


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

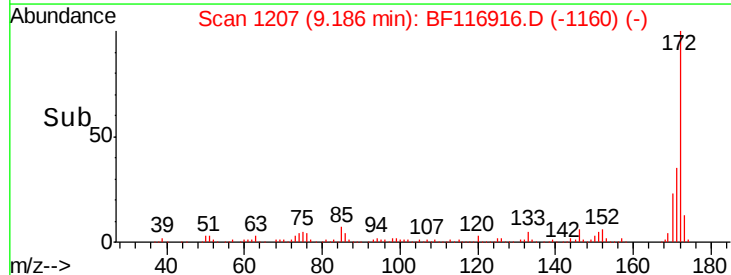
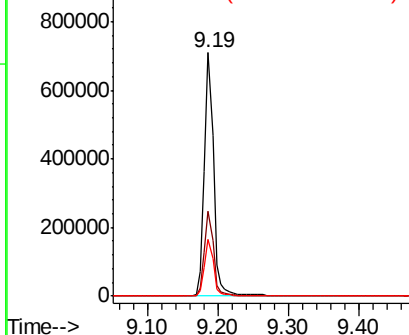


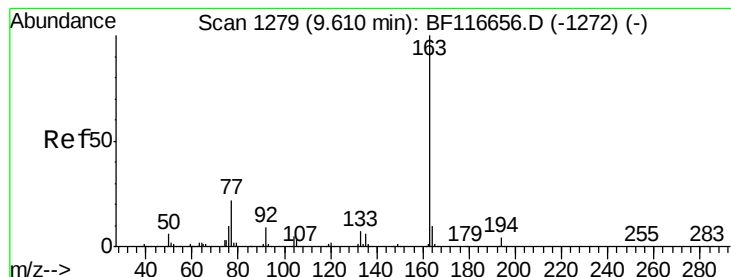
#45  
 2-Fluorobiphenyl  
 Concen: 75.039 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.02 min  
 Lab File: BF116916.D  
 Acq: 10 Sep 2019 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 27.8  | 41.6  |
| 170     | 23.4  | 18.9  | 28.3  |



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: 7.415 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF116916.D

Acq: 10 Sep 2019 00:06

Instrument :

BNA\_F

ClientSampleId :

C-4-8

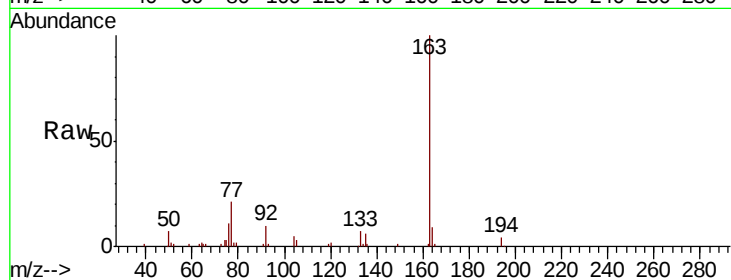
Tot Ion:163 Resp: 74505

Ion Ratio Lower Upper

163 100

194 4.2 2.8 4.2

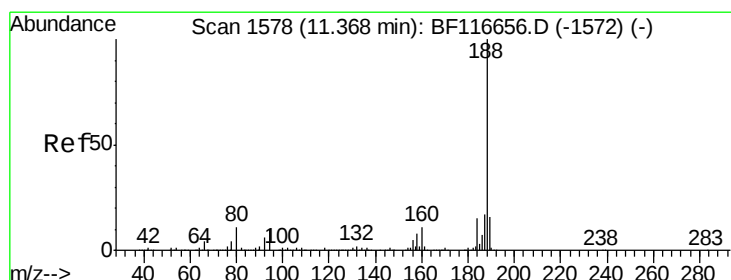
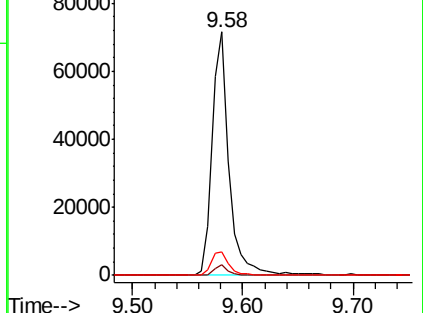
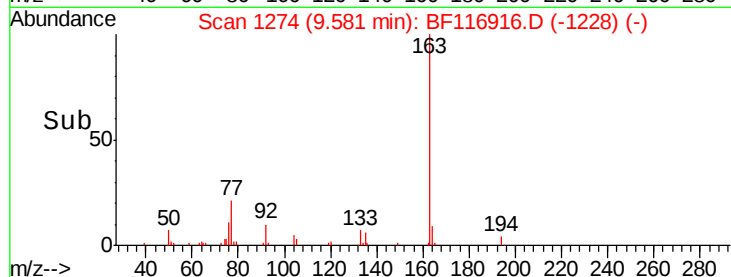
164 9.4 8.6 12.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF116916.D

Acq: 10 Sep 2019 00:06

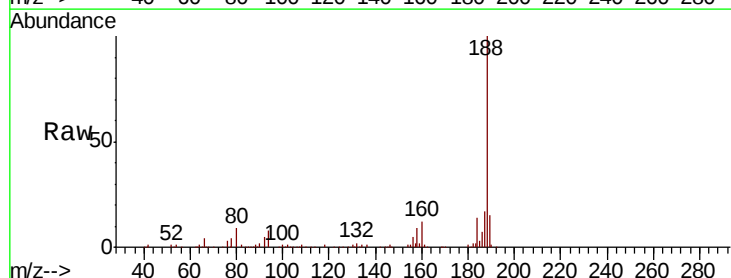
Tgt Ion:188 Resp: 256457

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

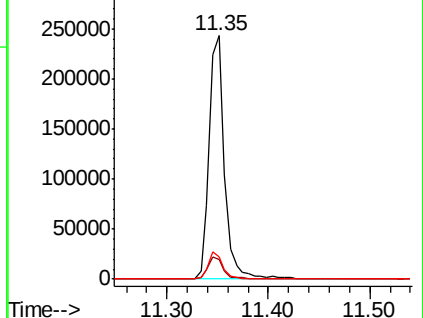
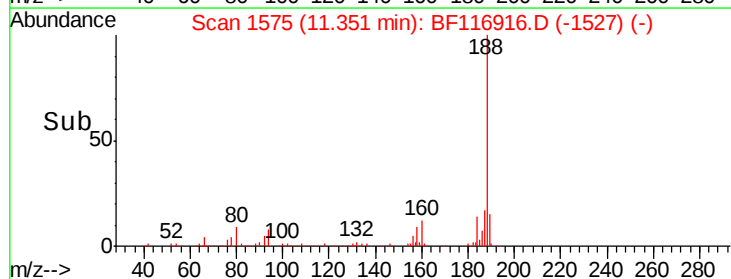
80 9.2 8.4 12.6



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

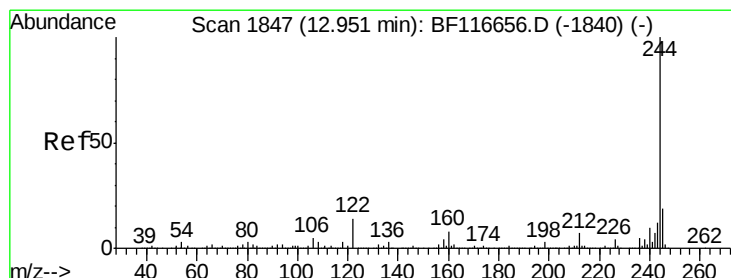
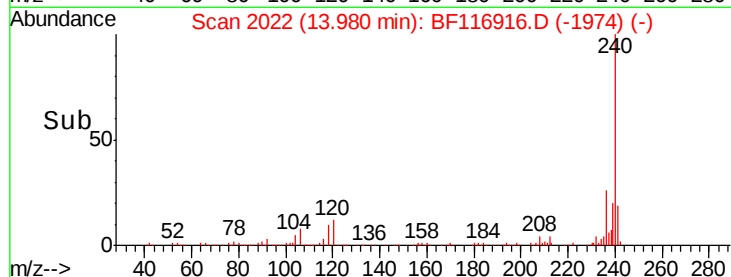
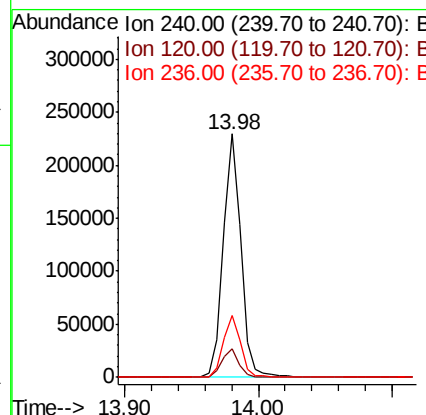
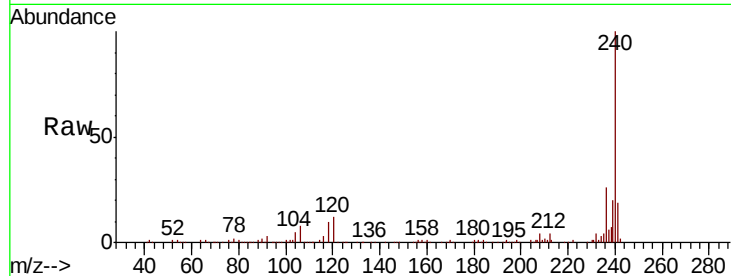




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.98 min Scan# 2022  
 Delta R.T. -0.02 min  
 Lab File: BF116916.D  
 Acq: 10 Sep 2019 00:06

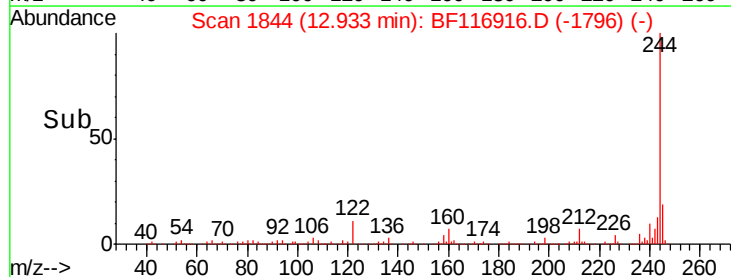
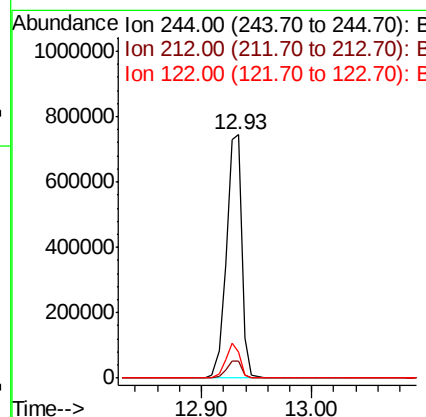
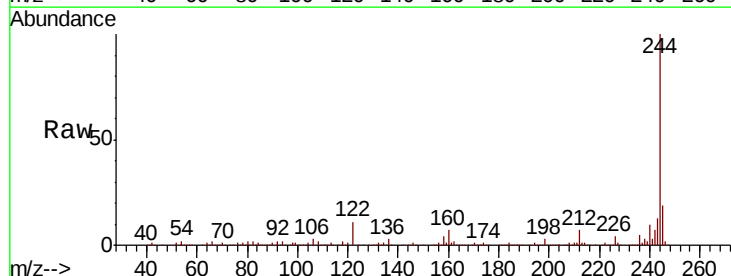
Instrument :  
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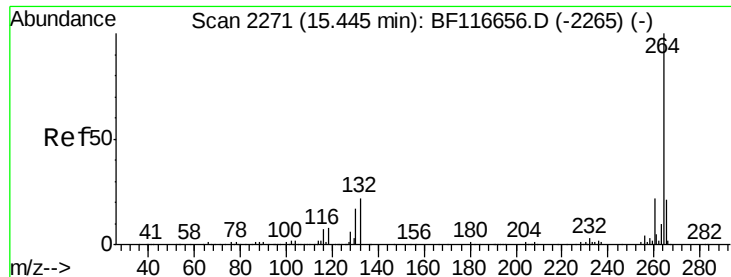
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.7  | 9.1   | 13.7  |
| 236     | 25.6  | 21.1  | 31.7  |



#79  
 Terphenyl-d14  
 Concen: 62.414 ng  
 RT: 12.93 min Scan# 1844  
 Delta R.T. -0.02 min  
 Lab File: BF116916.D  
 Acq: 10 Sep 2019 00:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 6.1   | 9.1   |
| 122     | 10.7  | 10.2  | 15.4  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BF116916.D  
Acq: 10 Sep 2019 00:06

Instrument :  
BNA\_F  
ClientSampleId :  
C-4-8

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 208400 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.2  | 18.3  | 27.5   |
| 265      | 21.9  | 16.5  | 24.7   |

