

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020619\  
 Data File : BF112430.D  
 Acq On : 6 Feb 2019 19:54  
 Operator : JU/SJ  
 Sample : K1379-02  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-6A

Quant Time: Feb 07 00:42:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.83  | 152  | 138672   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.11  | 136  | 530132   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 9.87  | 164  | 249635   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 402833   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.00 | 240  | 299735   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.47 | 264  | 283865   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 930472   | 142.52 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 1060955  | 116.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 801359   | 87.10  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 353294   | 121.59 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.19  | 172  | 1587583  | 89.95  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.94 | 244  | 1287209  | 80.88  | ng    | -0.01    |

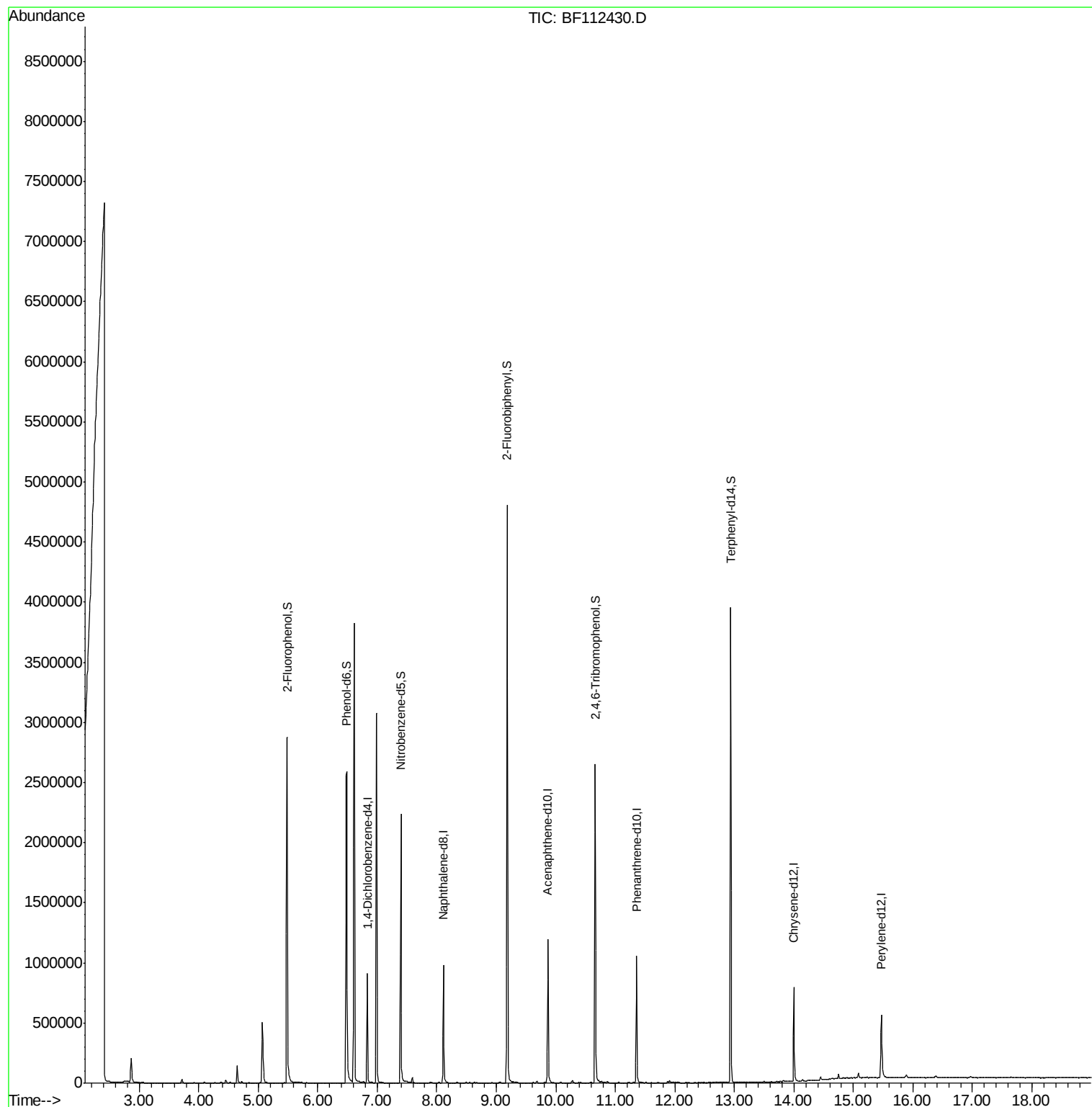
Target Compounds Qvalue

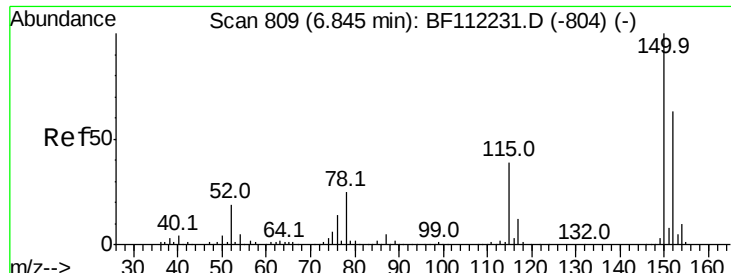
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
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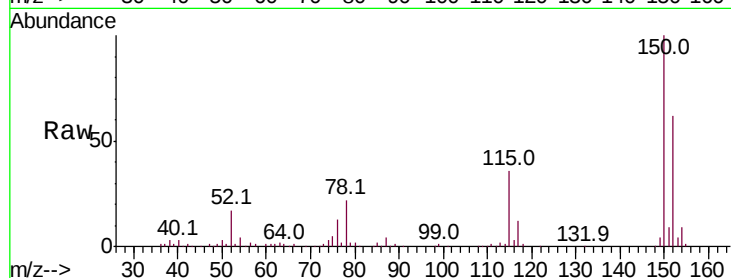


#1

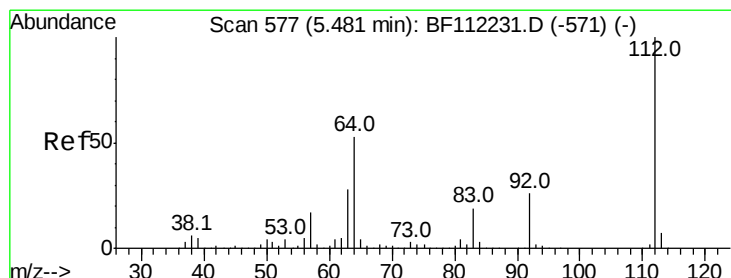
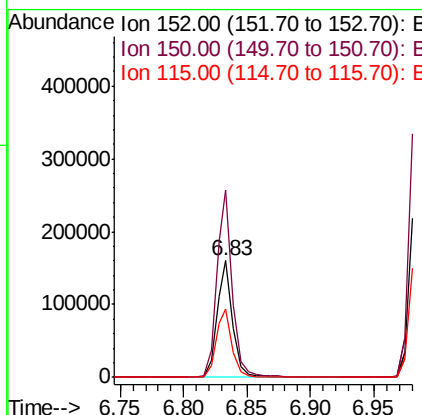
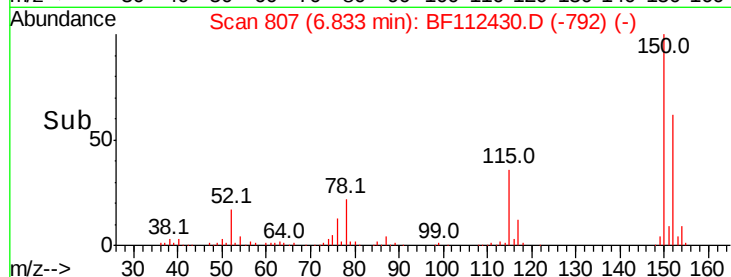
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF112430.D  
Acq: 6 Feb 2019 19:54

Instrument :  
BNA\_F  
ClientSampled :  
HR-6A

Tot Ion:152 Resp: 138672  
Ion Ratio Lower Upper  
152 100  
150 160.7 127.4 191.0  
115 58.2 45.5 68.3



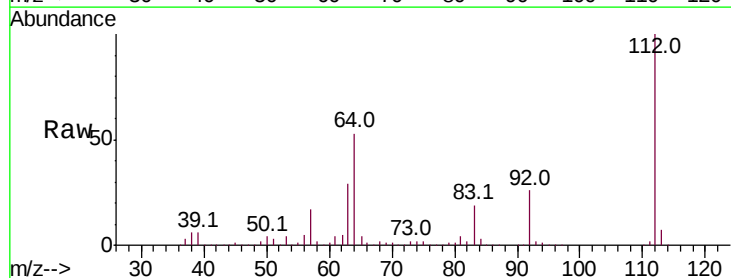
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



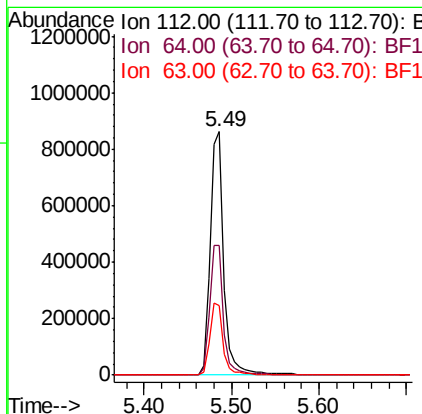
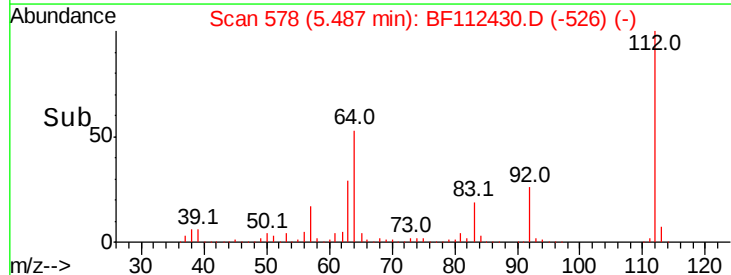
#5

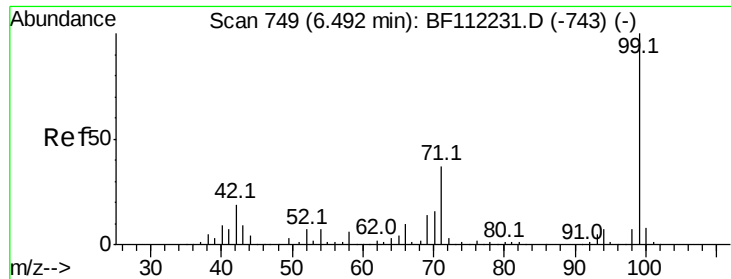
2-Fluorophenol  
Concen: 142.522 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: BF112430.D  
Acq: 6 Feb 2019 19:54

Tgt Ion:112 Resp: 930472  
Ion Ratio Lower Upper  
112 100  
64 53.1 45.7 68.5  
63 28.5 23.6 35.4



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: 116.950 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA\_F

ClientSampleId :

HR-6A

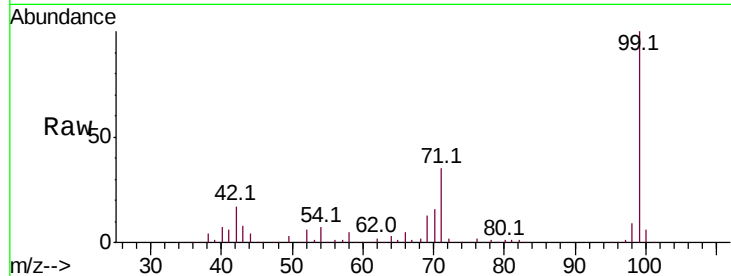
Tot Ion: 99 Resp: 1060955

Ion Ratio Lower Upper

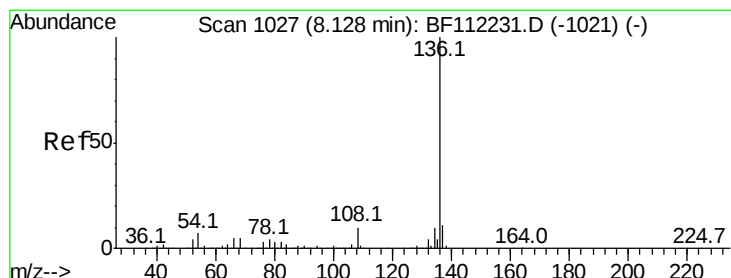
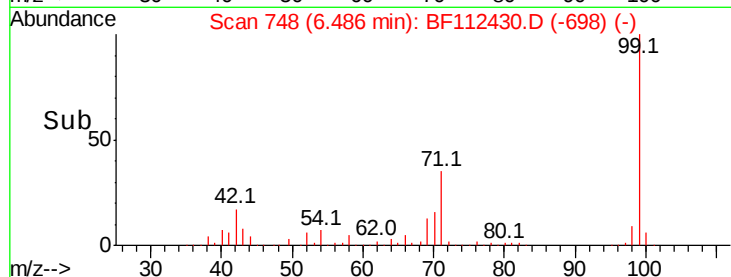
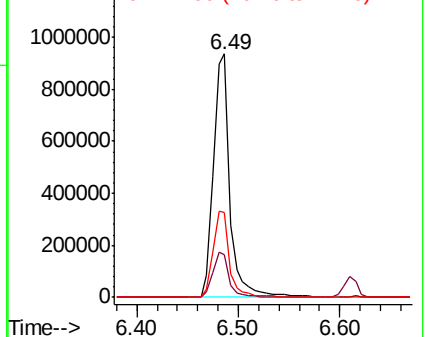
99 100

42 17.3 15.1 22.7

71 34.7 26.9 40.3



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Tgt Ion: 136 Resp: 530132

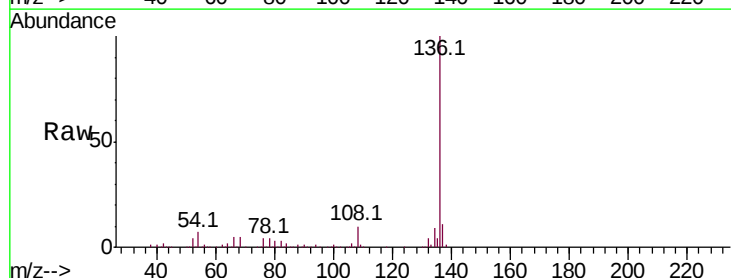
Ion Ratio Lower Upper

136 100

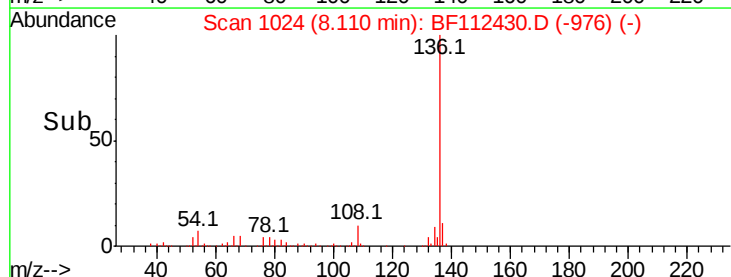
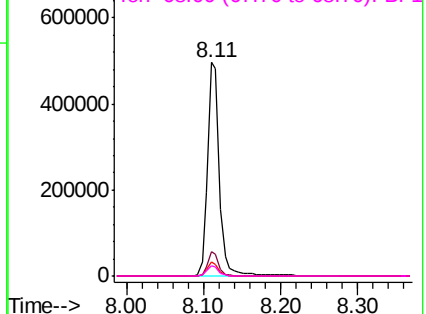
137 11.2 9.1 13.7

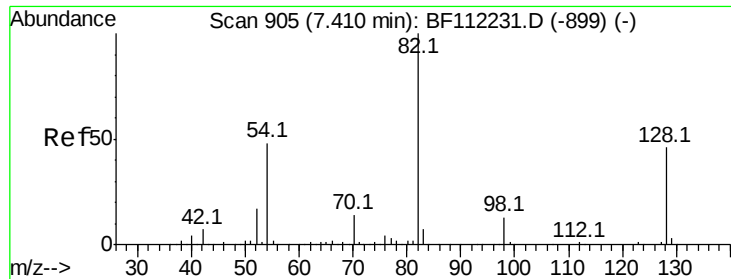
54 6.7 5.9 8.9

68 5.0 5.1 7.7#



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

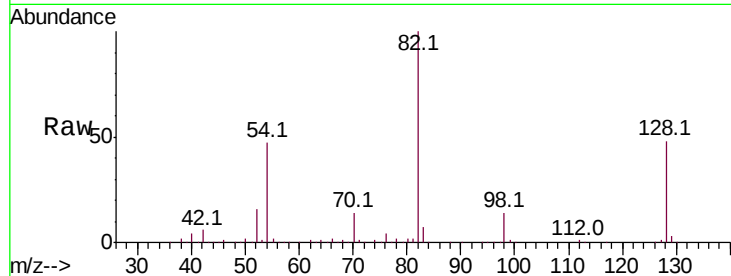




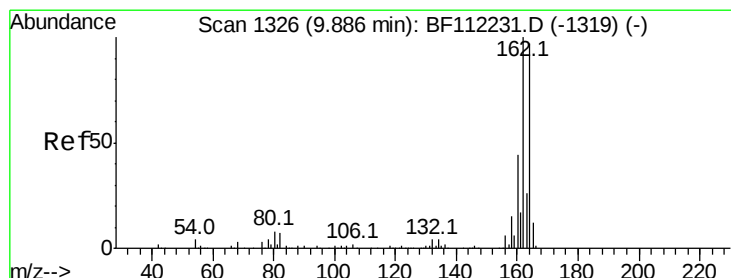
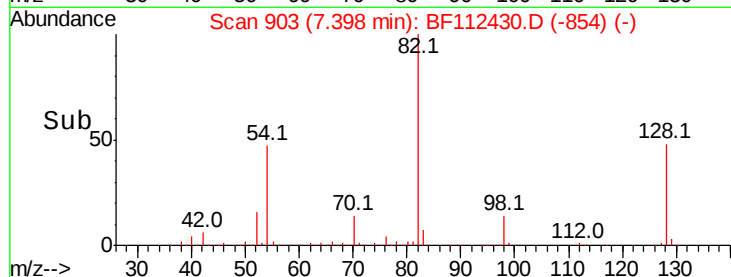
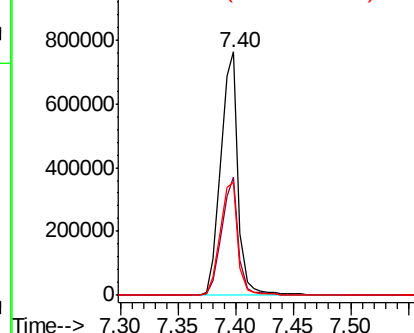
#23  
 Nitrobenzene-d5  
 Concen: 87.099 ng  
 RT: 7.40 min Scan# 903  
 Delta R.T. -0.01 min  
 Lab File: BF112430.D  
 Acq: 6 Feb 2019 19:54

Instrument :  
 BNA\_F  
 ClientSampleID :  
 HR-6A

| Tot Ion   | 82   | Resp  | 801359 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 48.5 | 37.8  | 56.8   |
| 54        | 46.5 | 39.7  | 59.5   |

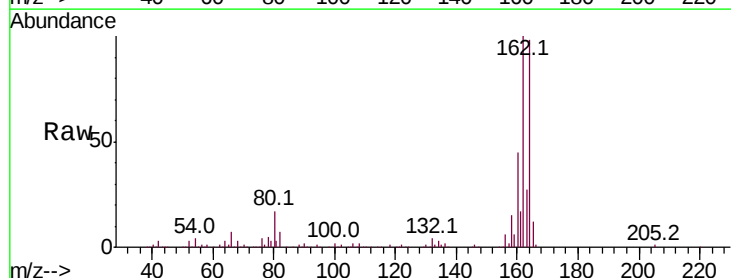


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

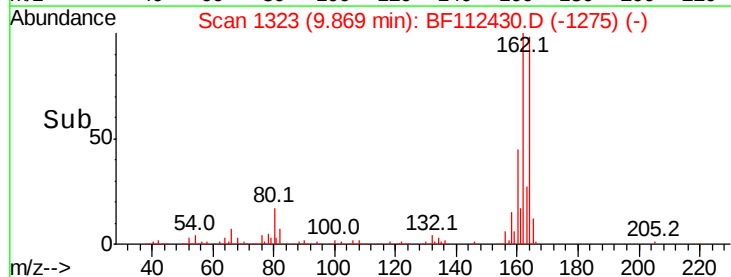
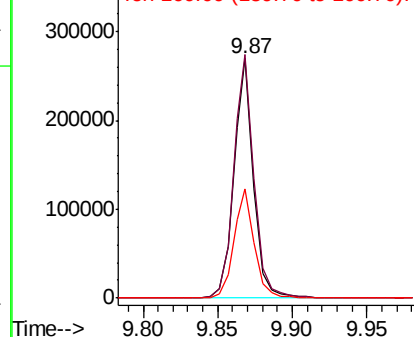


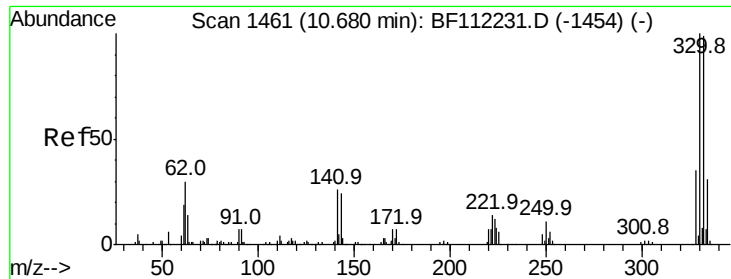
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1323  
 Delta R.T. -0.02 min  
 Lab File: BF112430.D  
 Acq: 6 Feb 2019 19:54

| Tgt Ion   | 164   | Resp  | 249635 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 101.7 | 82.2  | 123.4  |
| 160       | 45.9  | 36.2  | 54.4   |



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

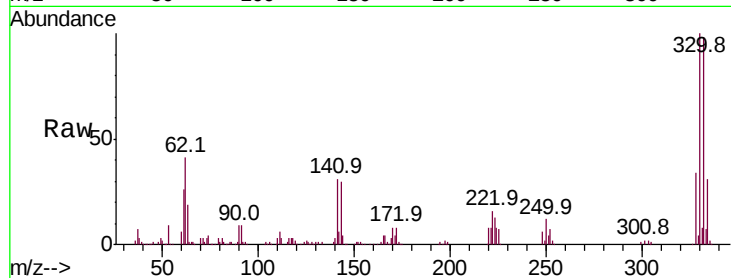




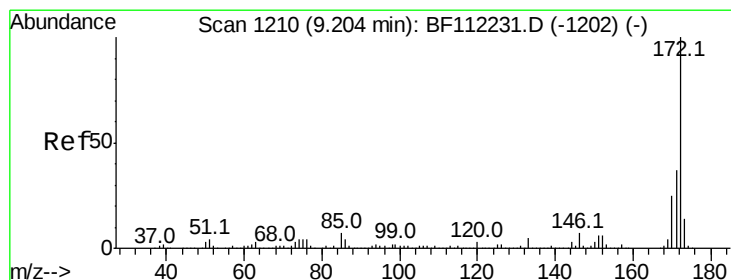
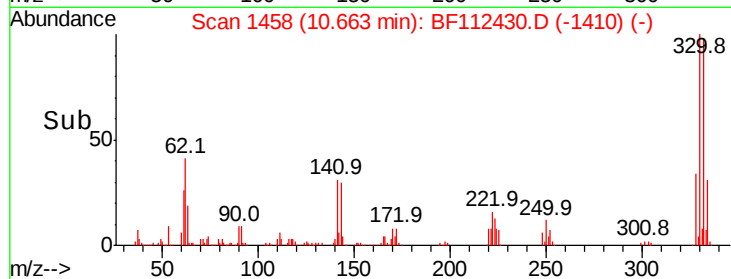
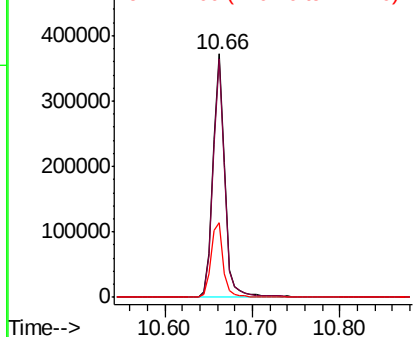
#42  
 2,4,6-Tribromophenol  
 Concen: 121.587 ng  
 RT: 10.66 min Scan# 1458  
 Delta R.T. -0.02 min  
 Lab File: BF112430.D  
 Acq: 6 Feb 2019 19:54

Instrument :  
 BNA\_F  
 ClientSampleID :  
 HR-6A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 76.6  | 114.8 |
| 141     | 32.3  | 24.3  | 36.5  |

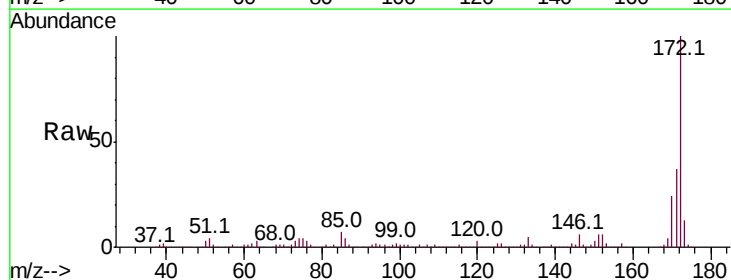


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

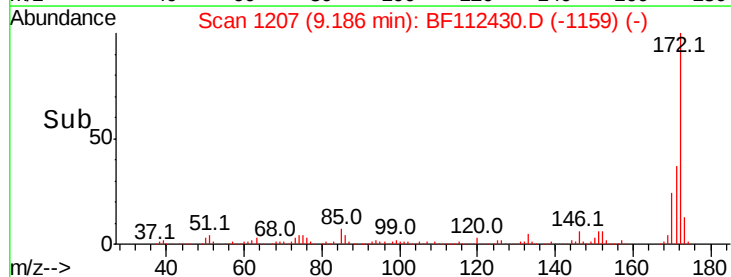
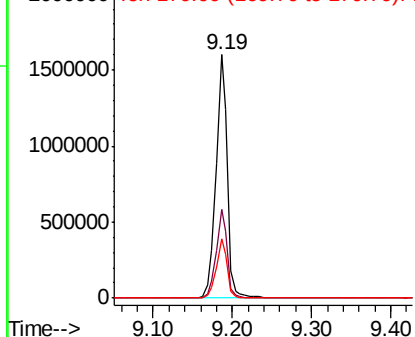


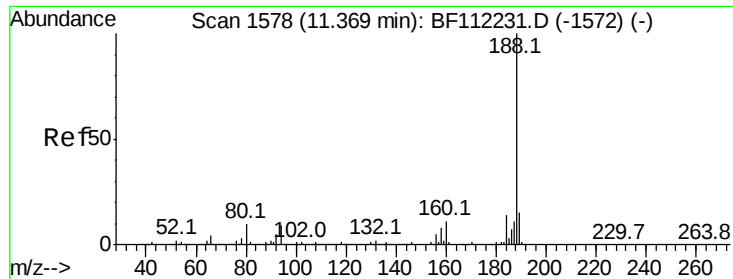
#45  
 2-Fluorobiphenyl  
 Concen: 89.946 ng  
 RT: 9.19 min Scan# 1207  
 Delta R.T. -0.02 min  
 Lab File: BF112430.D  
 Acq: 6 Feb 2019 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 30.5  | 45.7  |
| 170     | 24.3  | 20.2  | 30.4  |



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA\_F

ClientSampleId :

HR-6A

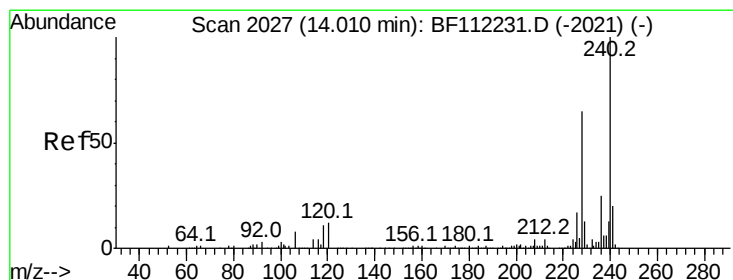
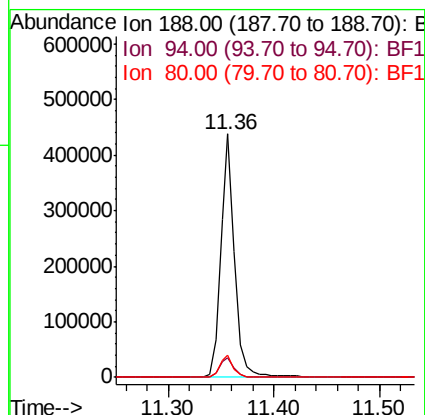
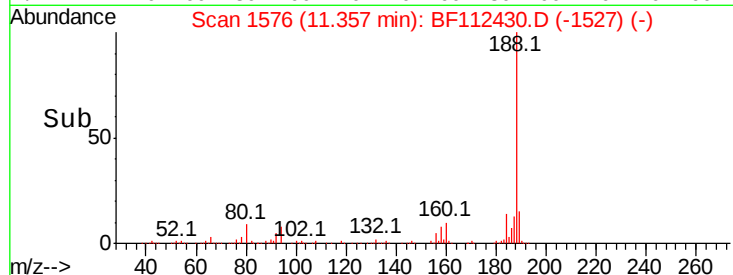
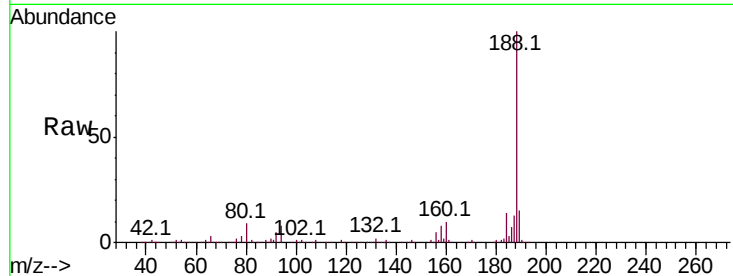
Tot Ion:188 Resp: 402833

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

80 9.0 8.9 13.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

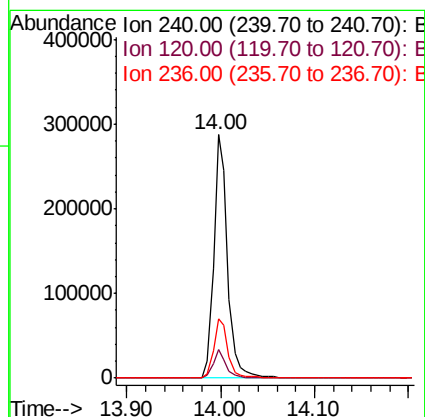
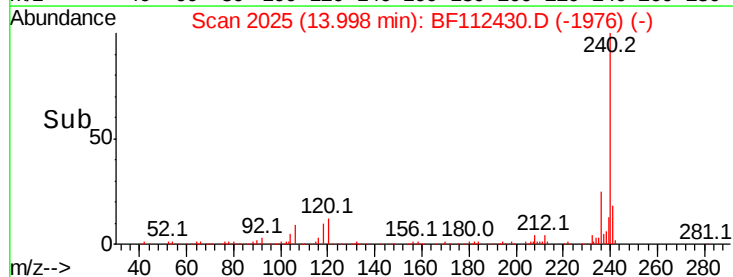
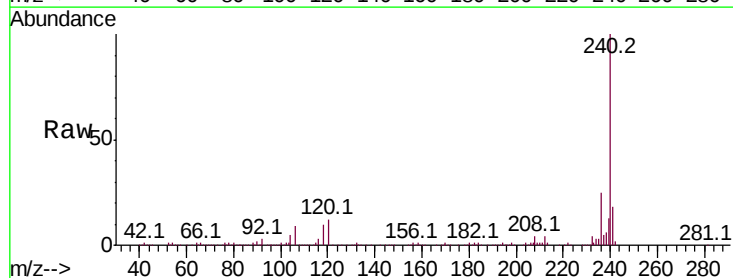
Tgt Ion:240 Resp: 299735

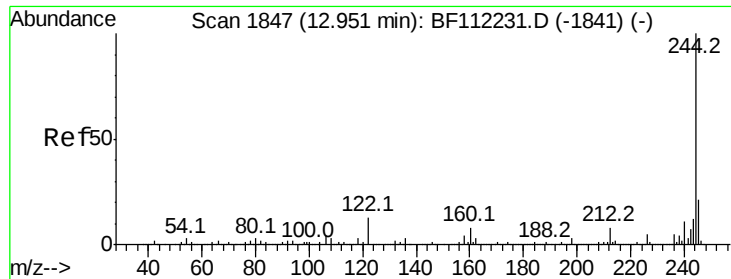
Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

236 24.5 20.7 31.1

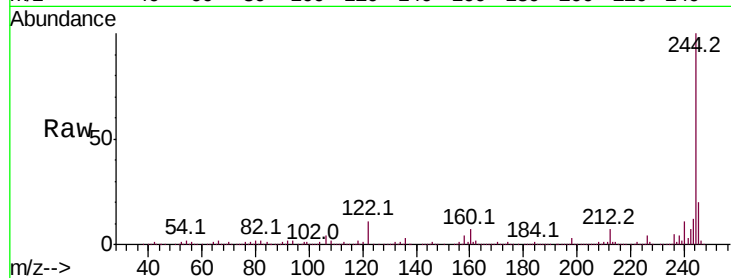




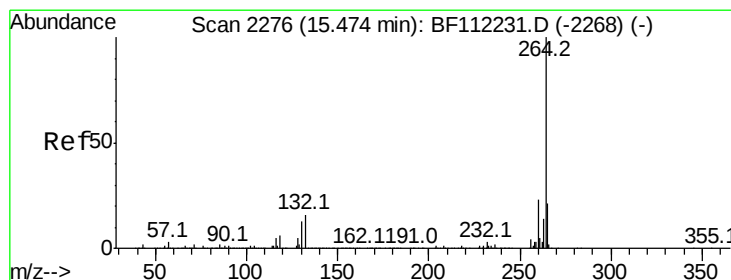
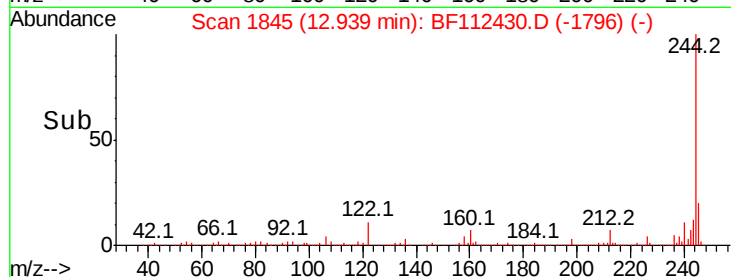
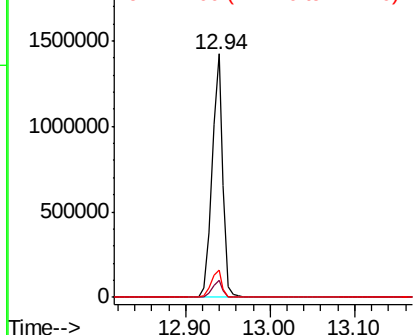
#79  
 Terphenyl-d14  
 Concen: 80.884 ng  
 RT: 12.94 min Scan# 1845  
 Delta R.T. -0.01 min  
 Lab File: BF112430.D  
 Acq: 6 Feb 2019 19:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-6A

Tot Ion:244 Resp: 1287209  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 11.3 9.8 14.6

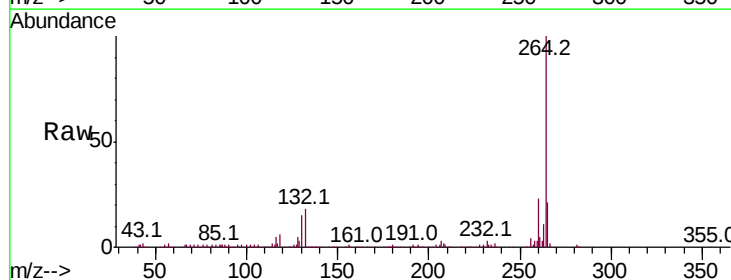


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. -0.01 min  
 Lab File: BF112430.D  
 Acq: 6 Feb 2019 19:54

Tgt Ion:264 Resp: 283865  
 Ion Ratio Lower Upper  
 264 100  
 260 22.7 18.2 27.2  
 265 21.4 17.0 25.4



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

