

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\  
 Data File : BF116302.D  
 Acq On : 16 Aug 2019 2:07  
 Operator : HP/JU  
 Sample : K4321-05  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-3

Quant Time: Aug 16 05:07:15 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

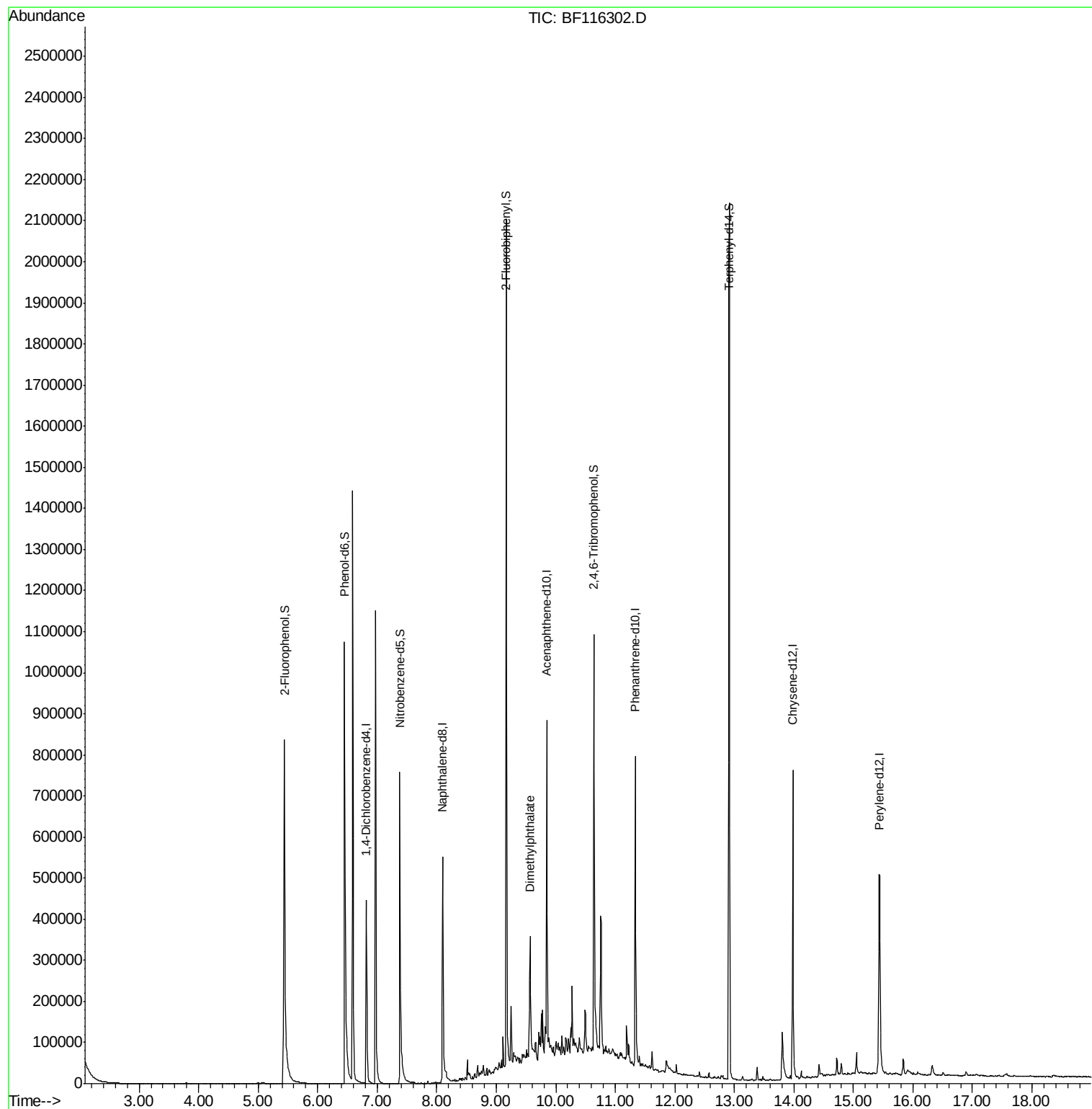
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 79032    | 20.00 | ng    | -0.03     |
| 21) Naphthalene-d8          | 8.10  | 136  | 316386   | 20.00 | ng    | -0.03     |
| 39) Acenaphthene-d10        | 9.85  | 164  | 172194   | 20.00 | ng    | -0.04     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 316140   | 20.00 | ng    | -0.04     |
| 76) Chrysene-d12            | 13.98 | 240  | 291846   | 20.00 | ng    | -0.03     |
| 87) Perylene-d12            | 15.44 | 264  | 288386   | 20.00 | ng    | -0.04     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 5.44  | 112  | 398509   | 84.41 | ng    | -0.03     |
| 7) Phenol-d6                | 6.46  | 99   | 532630   | 89.42 | ng    | -0.03     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 329065   | 60.04 | ng    | -0.04     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 142057   | 85.09 | ng    | -0.04     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 628055   | 68.32 | ng    | -0.04     |
| 79) Terphenyl-d14           | 12.92 | 244  | 757762   | 54.71 | ng    | -0.04     |
| Target Compounds            |       |      |          |       |       |           |
| 50) Dimethylphthalate       | 9.57  | 163  | 62267    | 5.311 | ng    | Qvalue 99 |

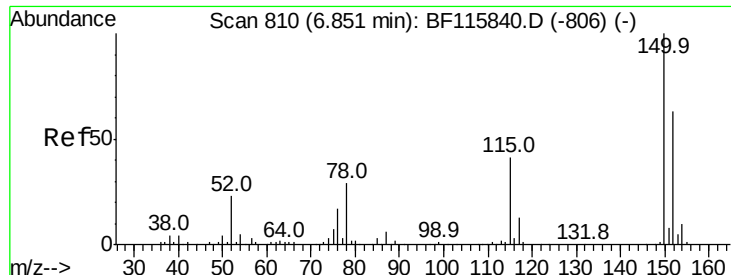
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 07 11:13:18 2019  
Response via : Initial Calibration



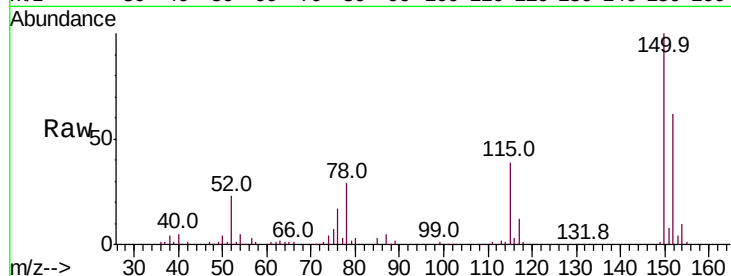


#1

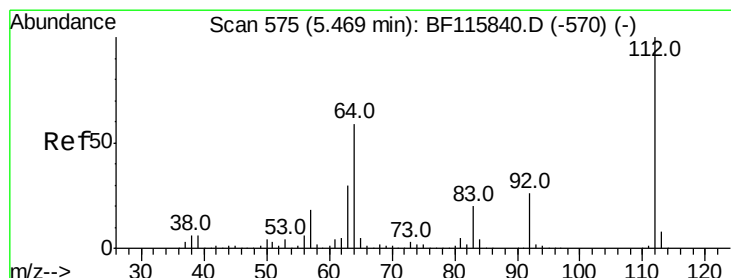
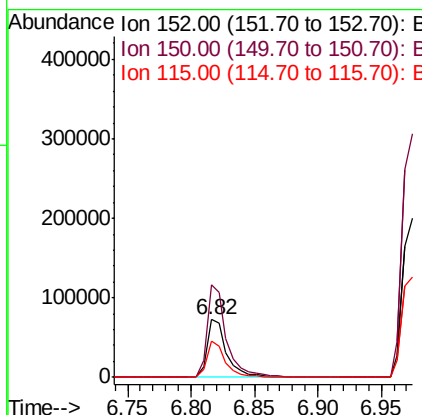
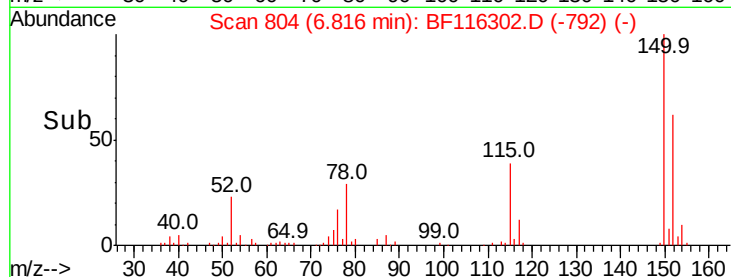
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.82 min Scan# 804  
 Delta R.T. -0.03 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-3

Tot Ion:152 Resp: 79032  
 Ion Ratio Lower Upper  
 152 100  
 150 160.3 126.2 189.2  
 115 62.7 49.9 74.9



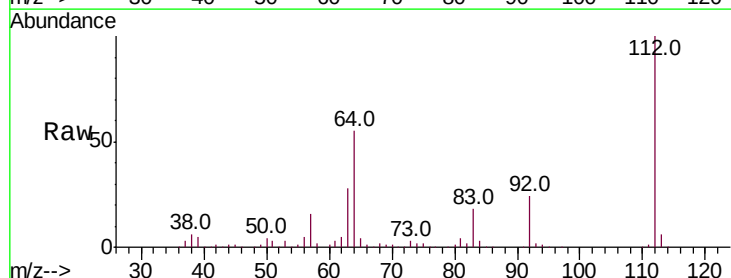
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



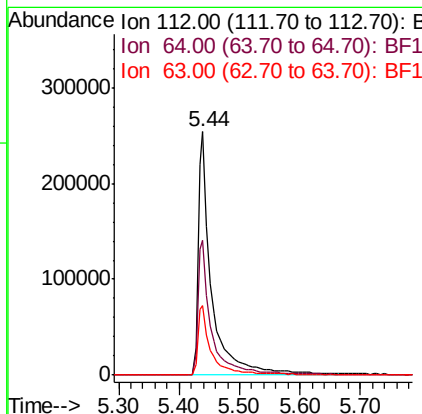
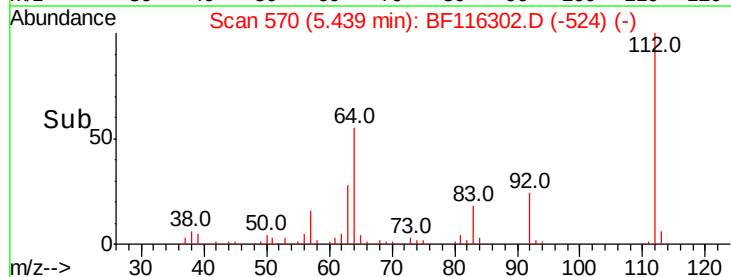
#5

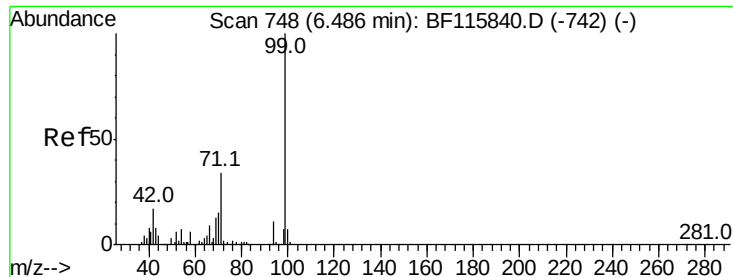
2-Fluorophenol  
 Concen: 84.412 ng  
 RT: 5.44 min Scan# 570  
 Delta R.T. -0.03 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

Tgt Ion:112 Resp: 398509  
 Ion Ratio Lower Upper  
 112 100  
 64 55.2 45.4 68.2  
 63 28.4 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: 89.422 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA\_F

ClientSampled :

SP-3

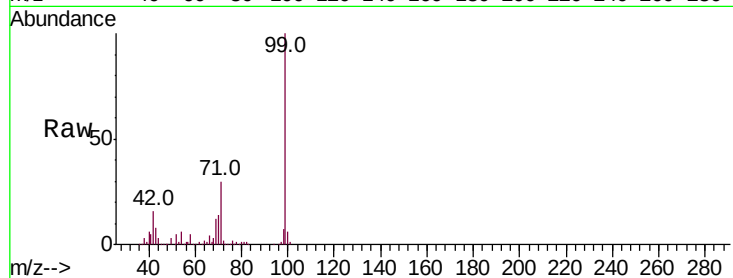
Tot Ion: 99 Resp: 532630

Ion Ratio Lower Upper

99 100

42 15.7 13.8 20.8

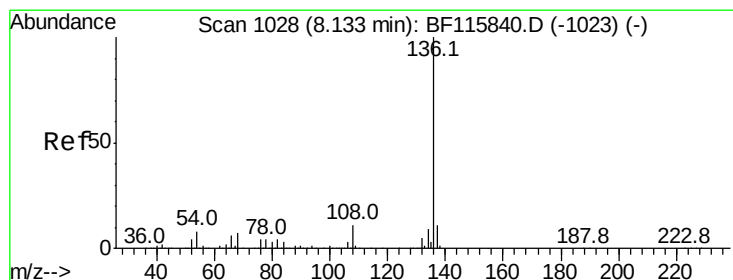
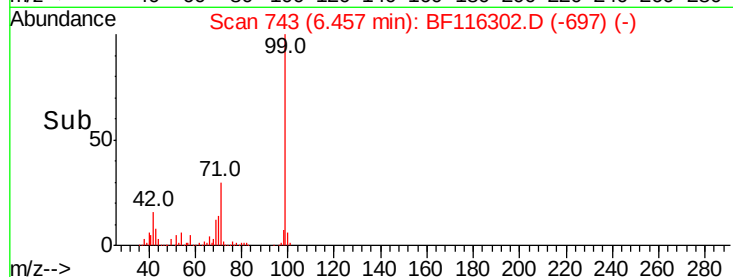
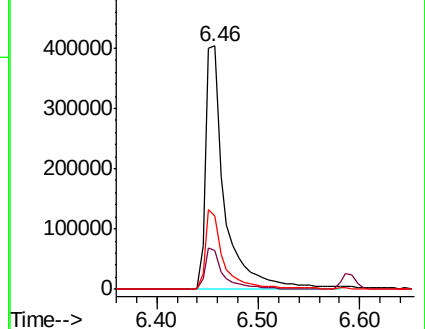
71 30.0 27.3 40.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Tgt Ion: 136 Resp: 316386

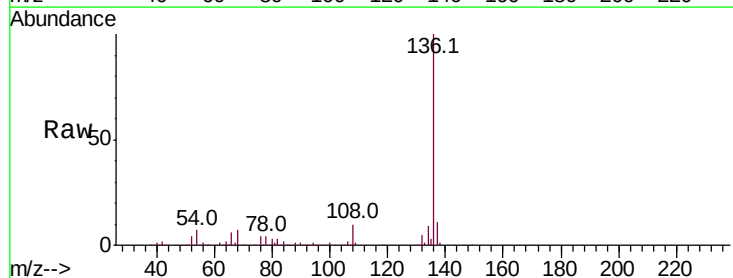
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.4 5.8 8.6

68 6.6 5.2 7.8

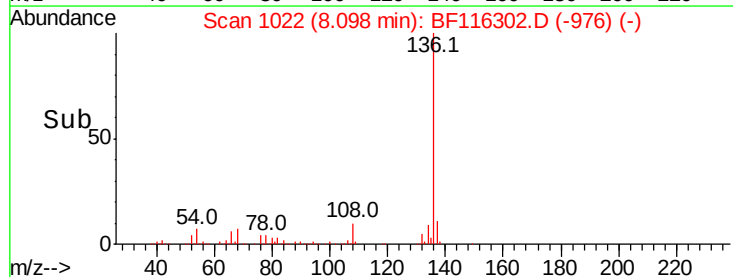
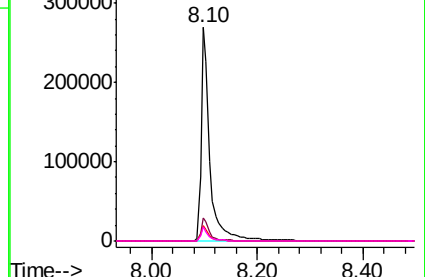


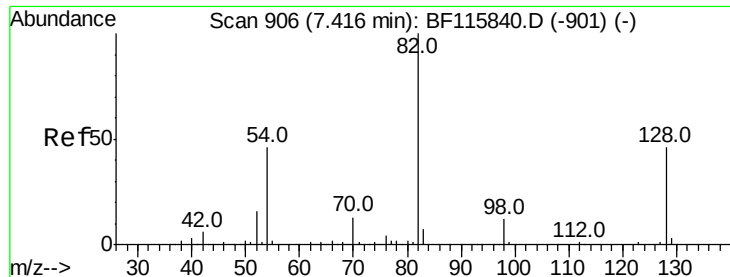
Abundance Ion 136.00 (135.70 to 136.70): E

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

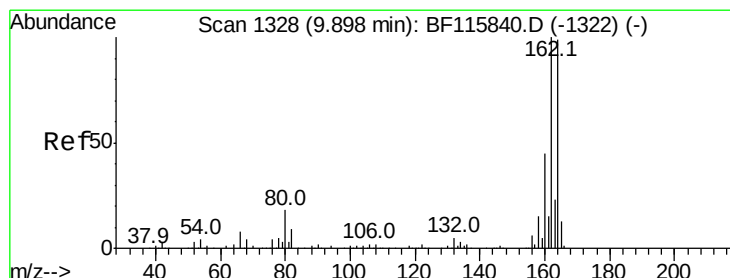
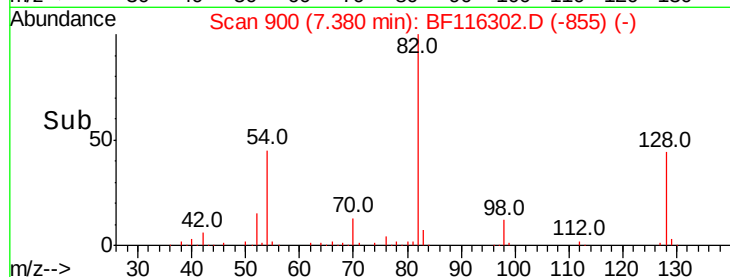
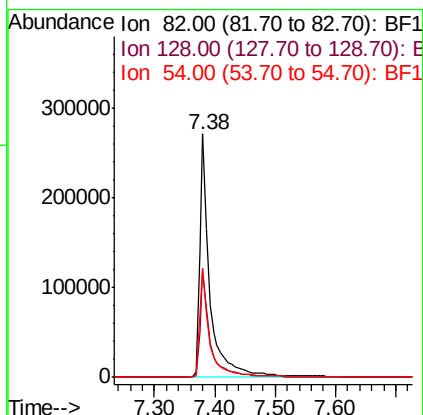
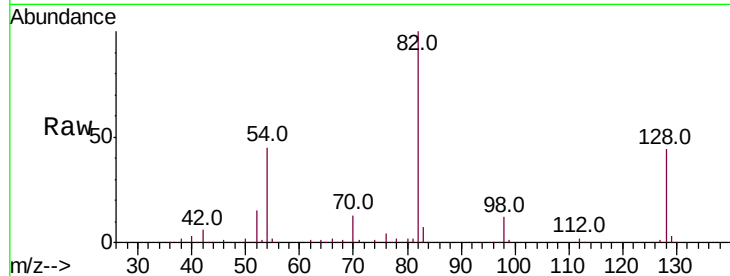




#23  
 Nitrobenzene-d5  
 Concen: 60.036 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. -0.04 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

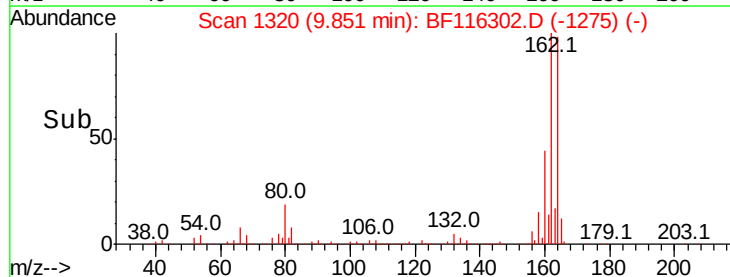
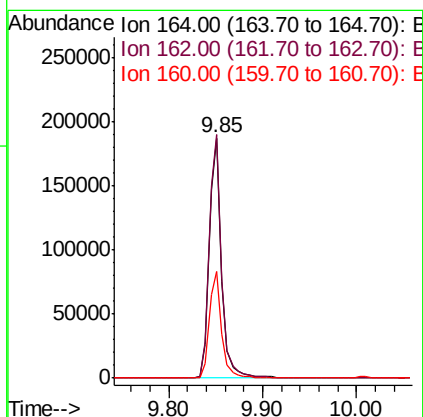
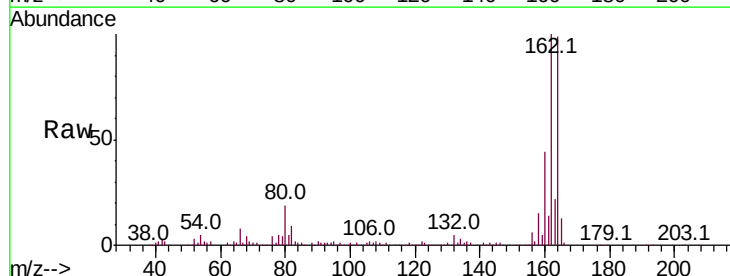
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-3

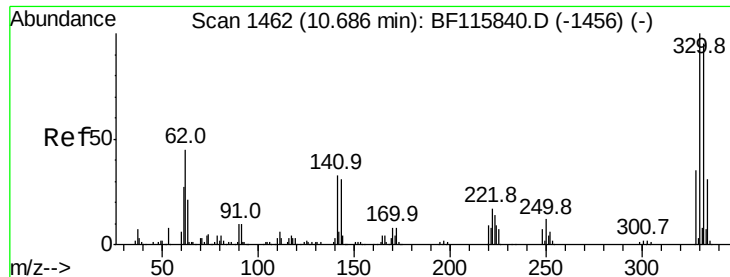
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.7  | 36.5  | 54.7  |
| 54      | 44.7  | 36.0  | 54.0  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. -0.04 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.5 | 82.6  | 124.0 |
| 160     | 44.6  | 37.6  | 56.4  |

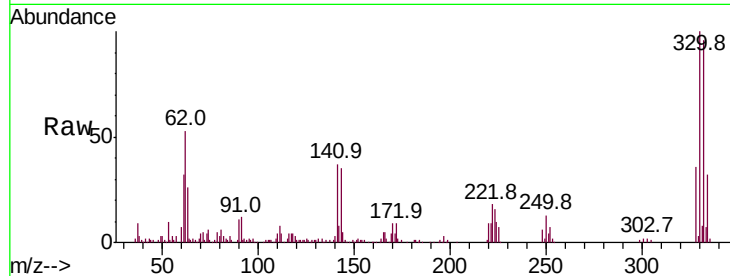




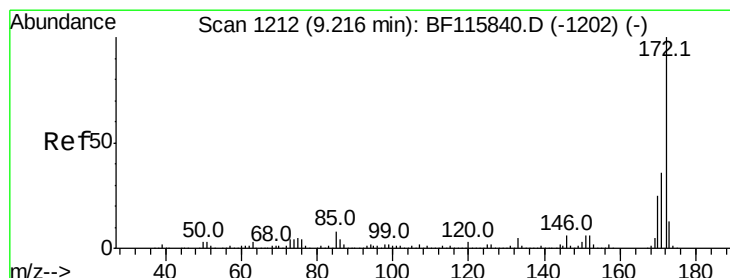
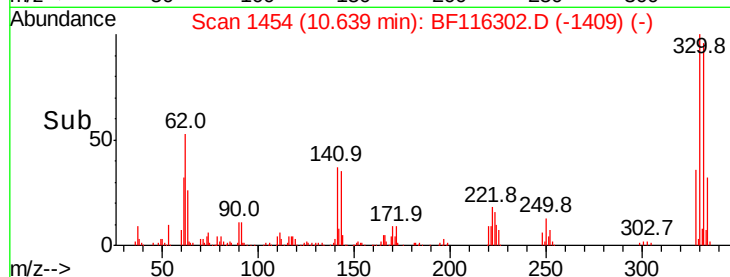
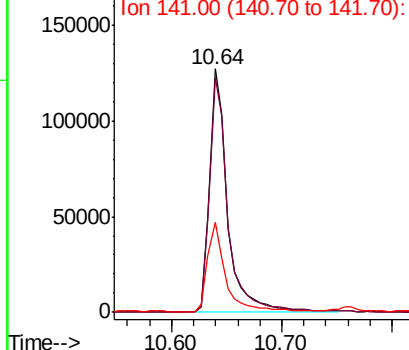
#42  
 2,4,6-Tribromophenol  
 Concen: 85.091 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.04 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.2  | 76.8  | 115.2 |
| 141     | 35.4  | 26.3  | 39.5  |

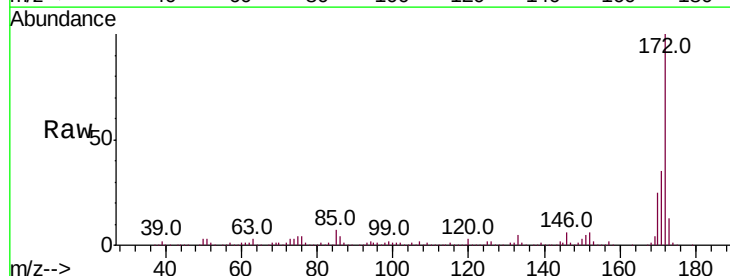


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

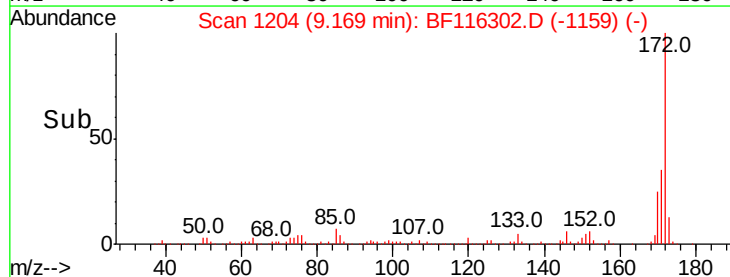
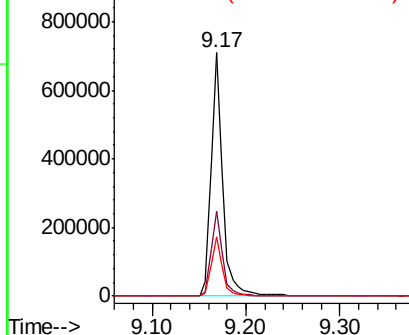


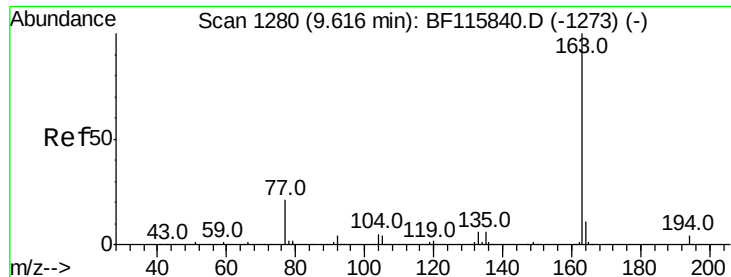
#45  
 2-Fluorobiphenyl  
 Concen: 68.318 ng  
 RT: 9.17 min Scan# 1204  
 Delta R.T. -0.04 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 29.6  | 44.4  |
| 170     | 24.6  | 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: 5.311 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA\_F

ClientSampleId :

SP-3

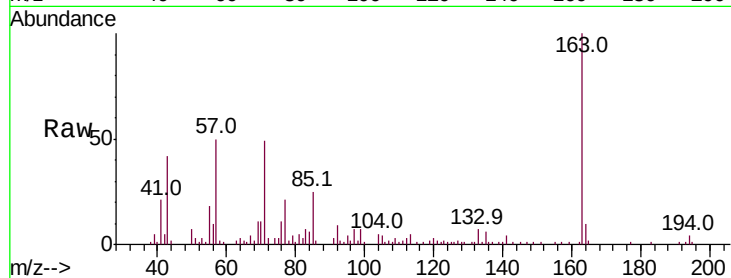
Tot Ion:163 Resp: 62267

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

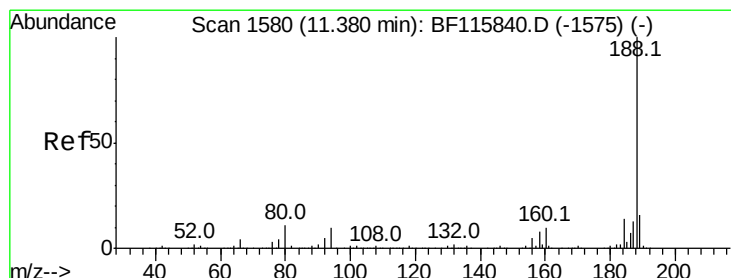
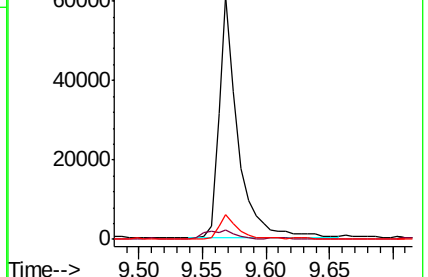
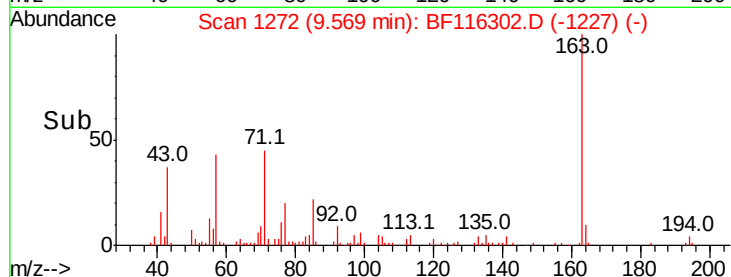
164 10.0 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

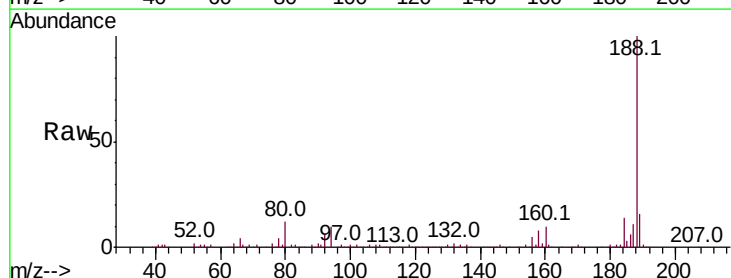
Tgt Ion:188 Resp: 316140

Ion Ratio Lower Upper

188 100

94 10.4 8.1 12.1

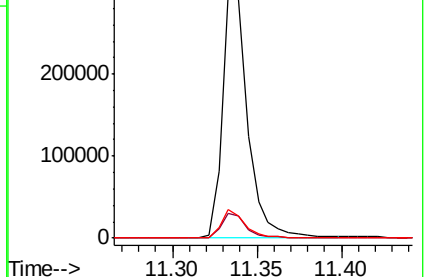
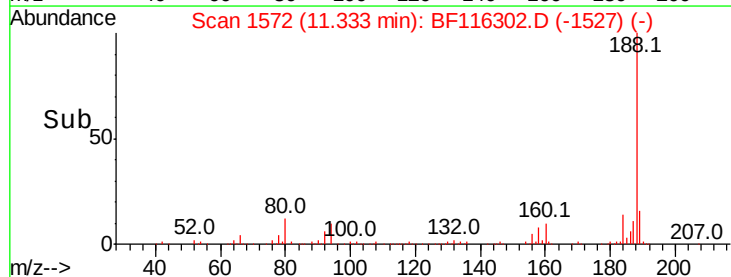
80 11.8 8.7 13.1

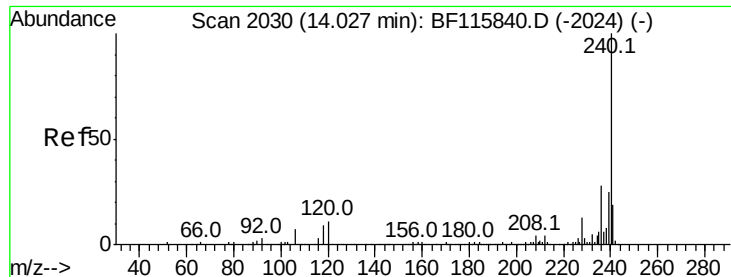


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

Instrument :

BNA\_F

ClientSampleId :

SP-3

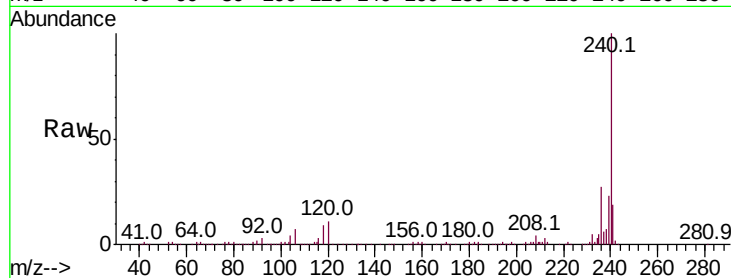
Tot Ion:240 Resp: 291846

Ion Ratio Lower Upper

240 100

120 10.6 10.7 16.1#

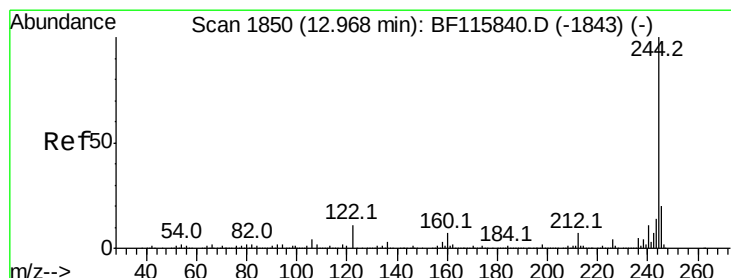
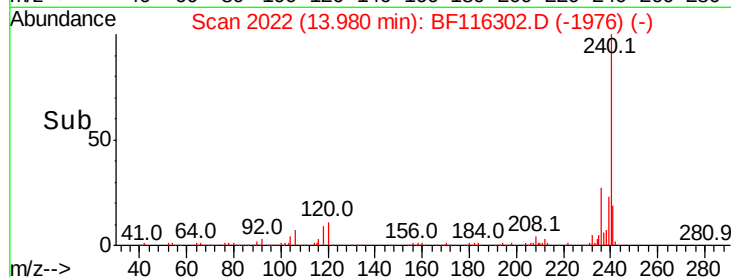
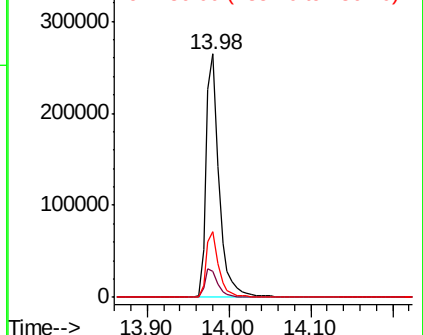
236 27.1 22.2 33.2



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: 54.711 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116302.D

Acq: 16 Aug 2019 2:07

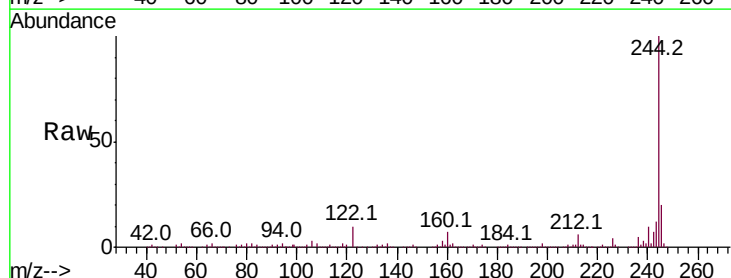
Tgt Ion:244 Resp: 757762

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

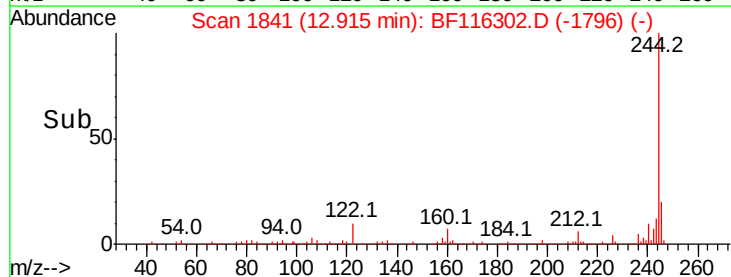
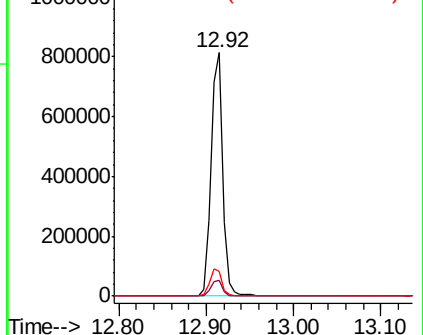
122 10.1 9.0 13.4



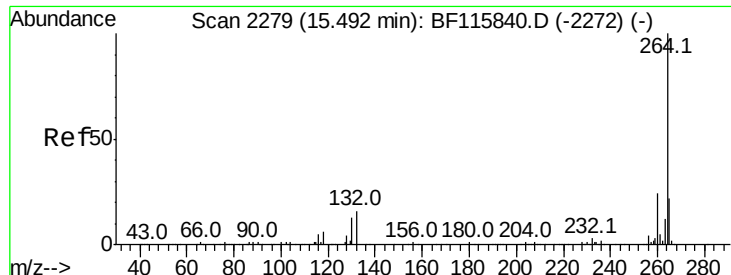
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



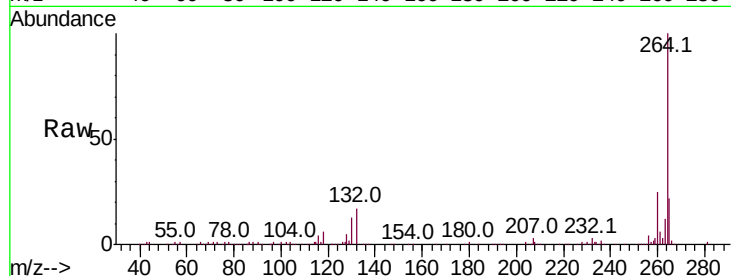




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2270  
 Delta R.T. -0.04 min  
 Lab File: BF116302.D  
 Acq: 16 Aug 2019 2:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.7  | 29.5  |
| 265     | 22.2  | 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

