

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082319\  
 Data File : BF116490.D  
 Acq On : 23 Aug 2019 21:12  
 Operator : HP/JU  
 Sample : K4330-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0649-ELUTRIATE-COMP-C

Quant Time: Aug 24 03:35:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 13:38:31 2019  
 Response via : Initial Calibration

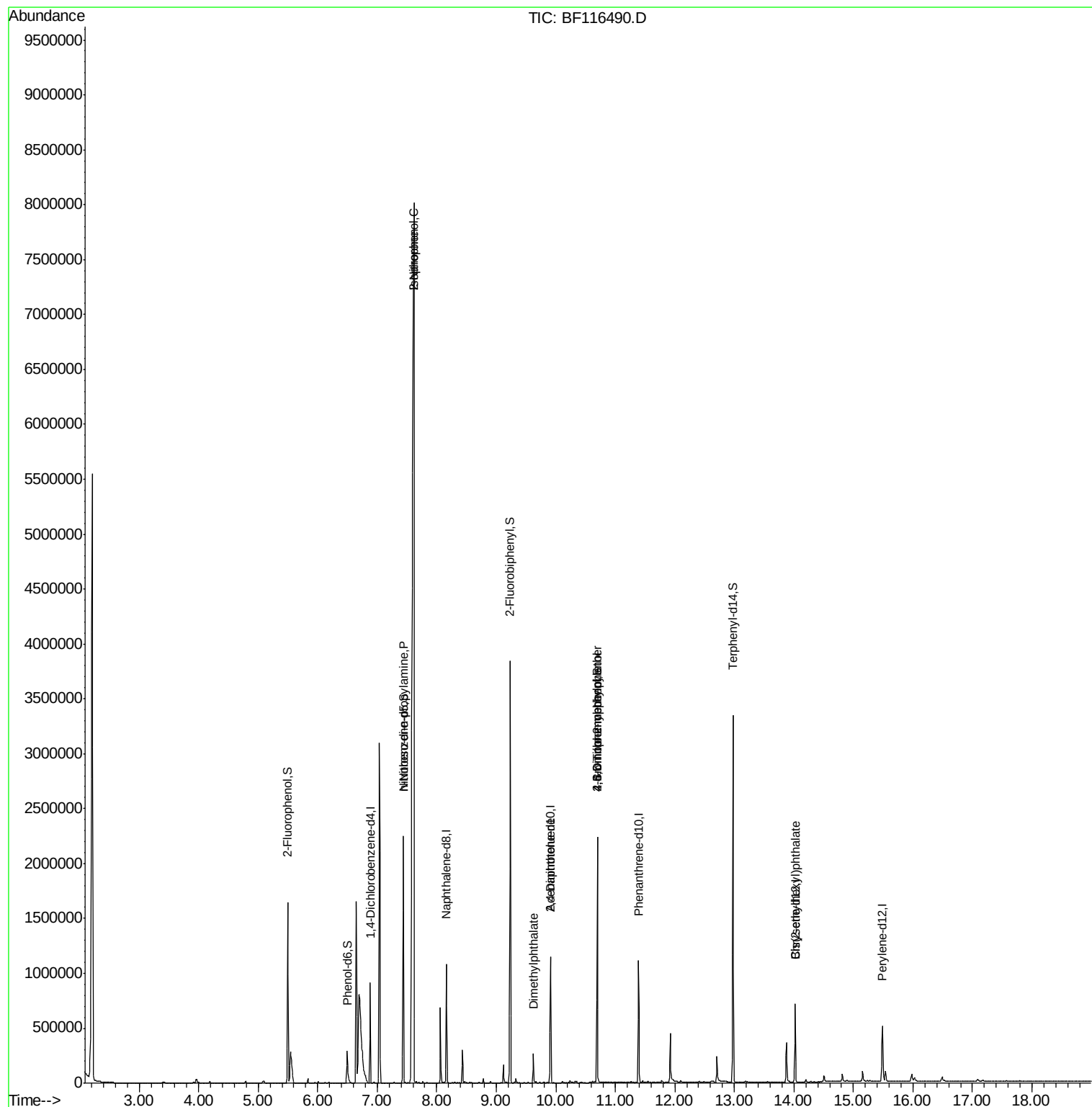
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 123183   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 457506   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.91  | 164  | 221752   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.39 | 188  | 351086   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.03 | 240  | 221165   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.49 | 264  | 224851   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.50  | 112  | 430391   | 51.05  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 139499   | 13.49  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 735770   | 87.99  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.70 | 330  | 241240   | 126.69 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.24  | 172  | 1289801  | 93.67  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.98 | 244  | 1090759  | 92.12  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70   | 100639   | 14.268 | ng    | # 77     |
| 25) Isophorone                 | 7.62  | 82   | 1064094  | 64.571 | ng    | # 84     |
| 26) 2-Nitrophenol              | 7.62  | 139  | 295119   | 93.295 | ng    | # 1      |
| 50) Dimethylphthalate          | 9.62  | 163  | 93211    | 6.025  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 9.91  | 165  | 28989    | 7.194  | ng    | # 21     |
| 65) 4,6-Dinitro-2-methylphenol | 10.70 | 198  | 446      | 7.270  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.70 | 248  | 16133    | 4.383  | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 27409    | 2.691  | ng    | 96       |

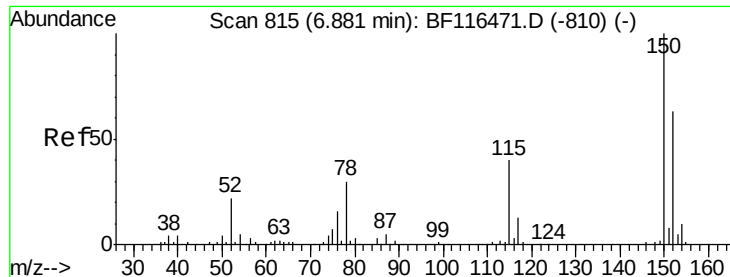
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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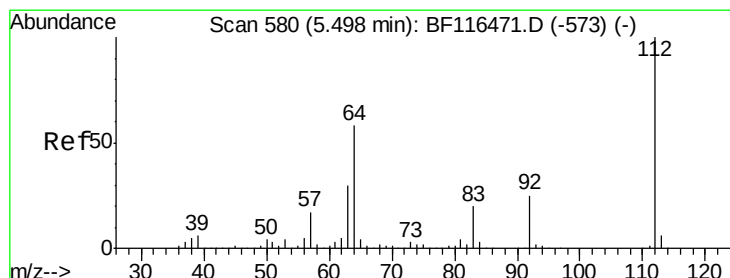
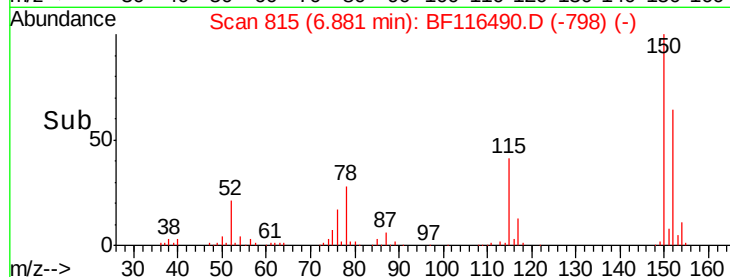
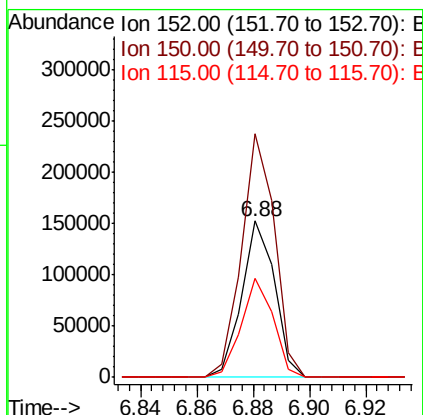
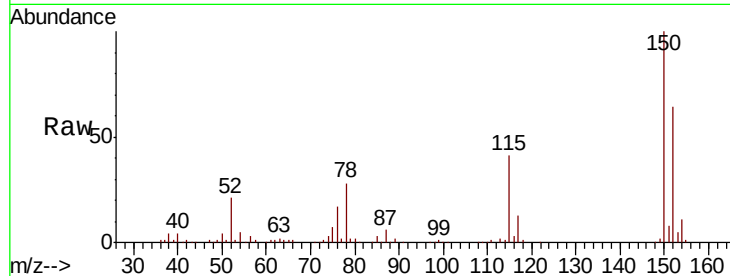




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.88 min Scan# 815  
 Delta R.T. -0.00 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

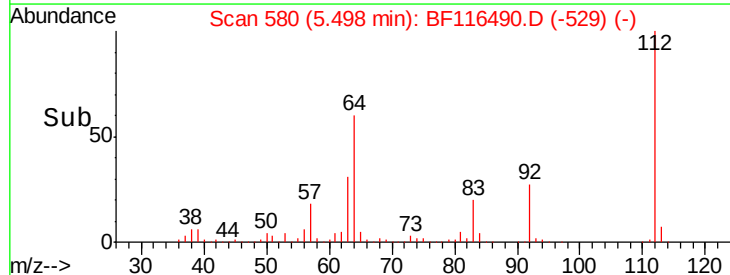
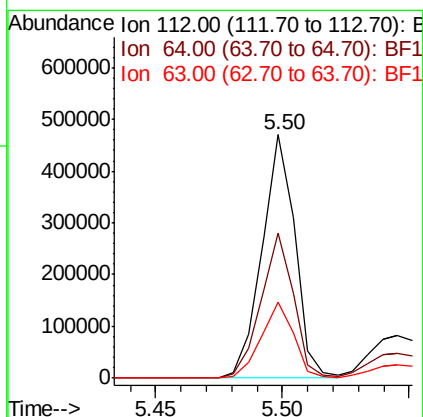
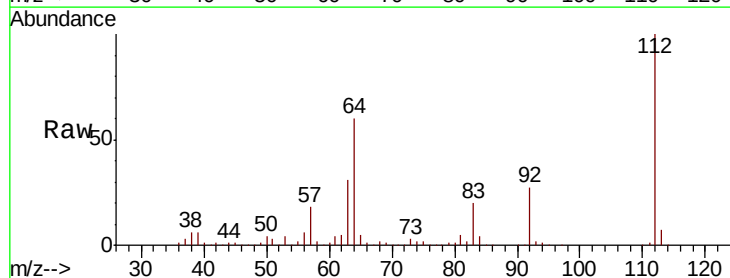
Instrument :  
 BNA\_F  
 ClientSampleId :  
 0649-ELUTRIATE-COMP-C

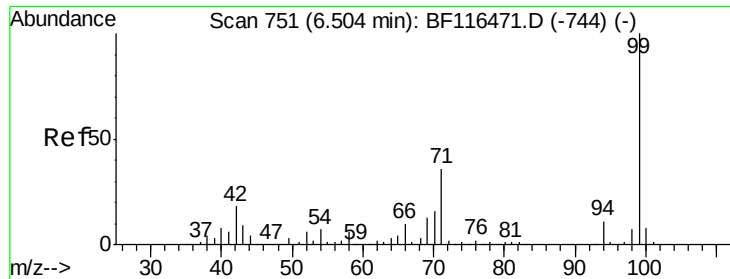
Tgt Ion:152 Resp: 123183  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 126.7 190.1  
 115 63.4 50.9 76.3



#5  
 2-Fluorophenol  
 Concen: 51.051 ng  
 RT: 5.50 min Scan# 580  
 Delta R.T. -0.00 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

Tgt Ion:112 Resp: 430391  
 Ion Ratio Lower Upper  
 112 100  
 64 59.7 46.3 69.5  
 63 31.1 24.2 36.4





#7

Phenol-d6

Concen: 13.495 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

Instrument :

BNA\_F

ClientSampleId :

0649-ELUTRIATE-COMP-C

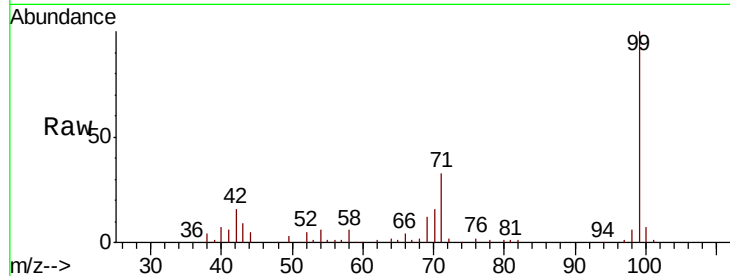
Tgt Ion: 99 Resp: 139499

Ion Ratio Lower Upper

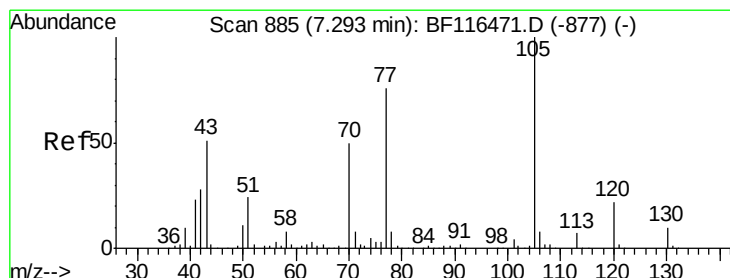
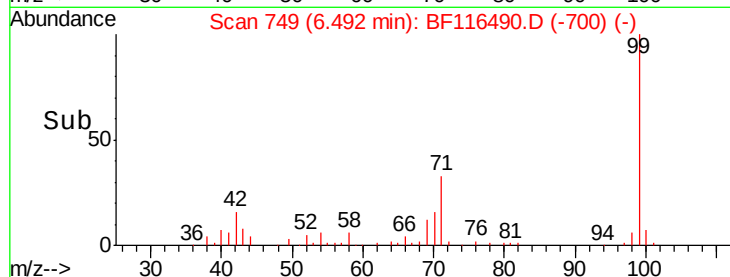
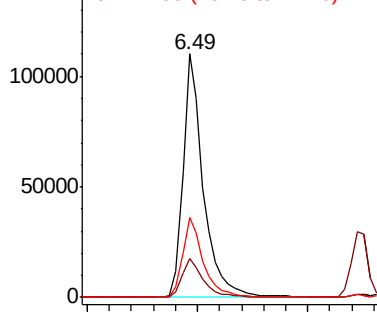
99 100

42 16.2 14.6 21.8

71 32.9 28.5 42.7



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: 14.268 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

Tgt Ion: 70 Resp: 100639

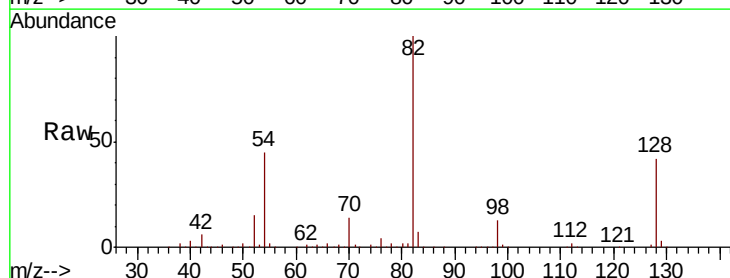
Ion Ratio Lower Upper

70 100

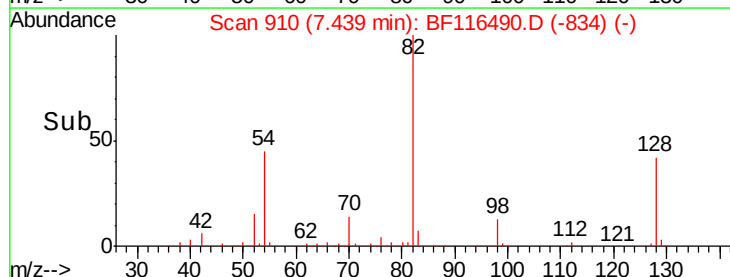
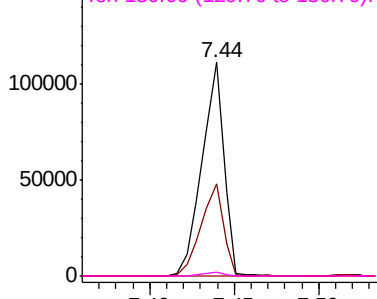
42 42.9 44.4 66.6#

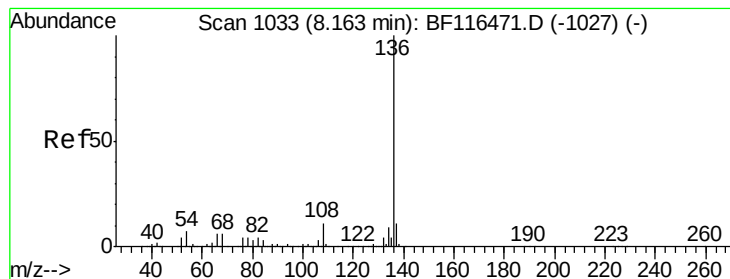
101 0.0 7.1 10.7#

130 1.7 15.8 23.8#



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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

Instrument :

BNA\_F

ClientSampleId :

0649-ELUTRIATE-COMP-C

Tgt Ion: 136 Resp: 457506

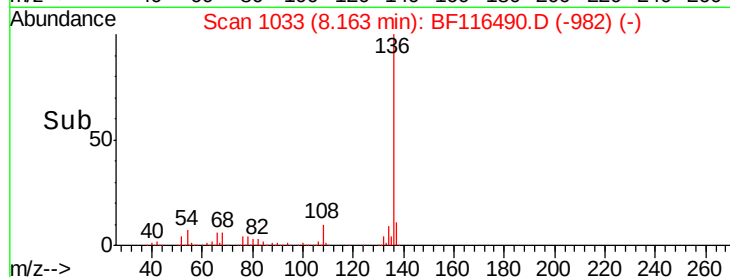
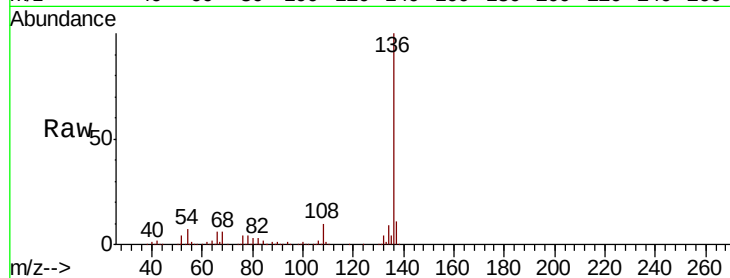
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.1 5.8 8.6

68 6.1 5.1 7.7



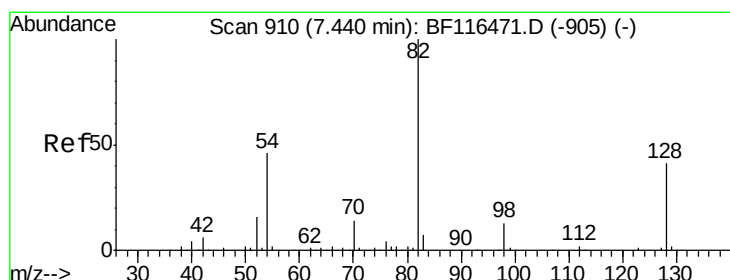
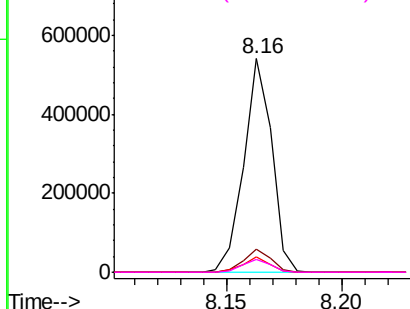
Abundance

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: 87.986 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

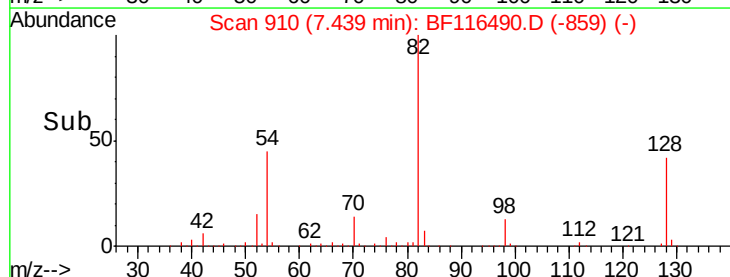
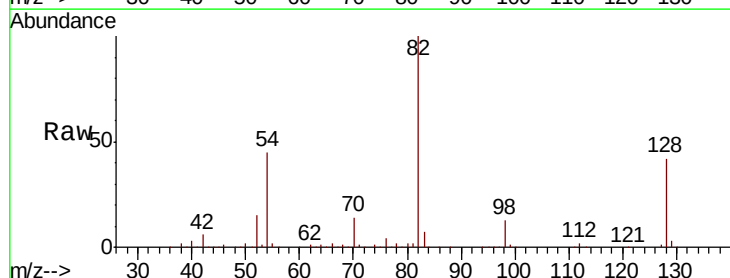
Tgt Ion: 82 Resp: 735770

Ion Ratio Lower Upper

82 100

128 41.7 32.2 48.4

54 45.4 36.5 54.7

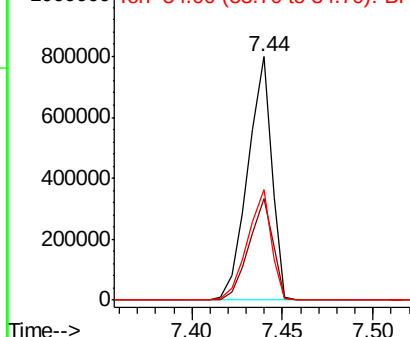


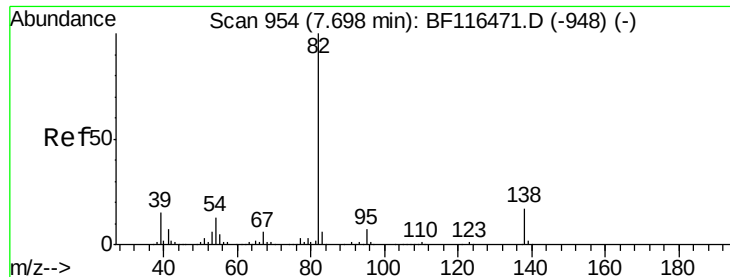
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 64.571 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.08 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

Instrument :

BNA\_F

ClientSampleId :

0649-ELUTRIATE-COMP-C

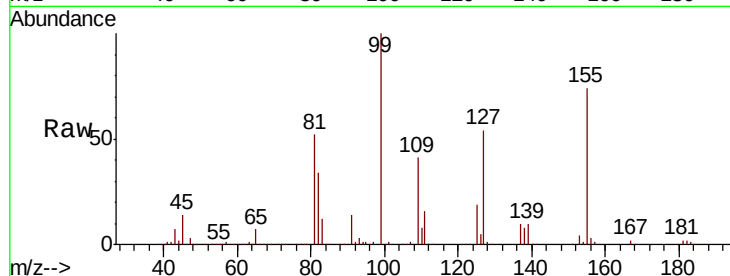
Tgt Ion: 82 Resp: 1064094

Ion Ratio Lower Upper

82 100

95 2.3 5.3 7.9#

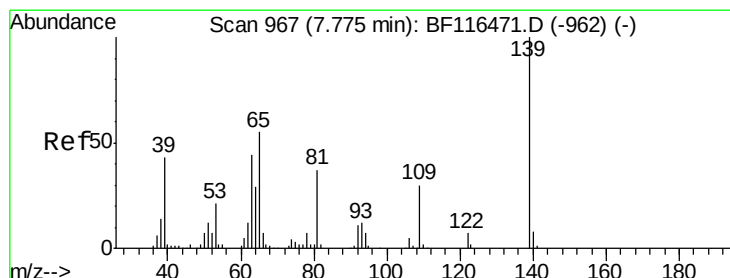
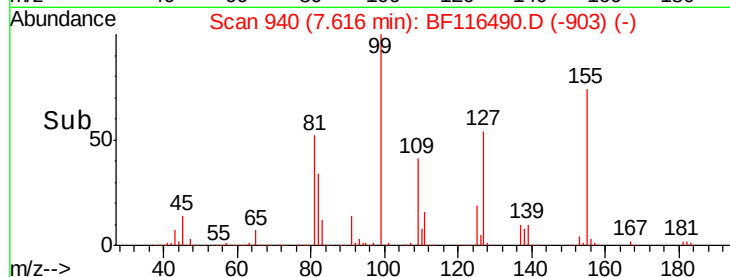
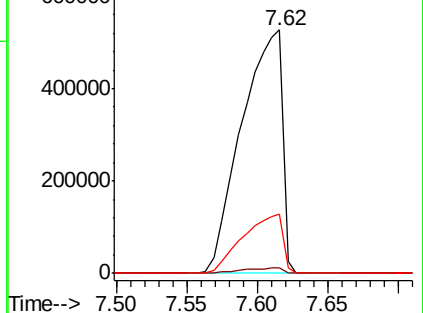
138 24.3 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 93.295 ng

RT: 7.62 min Scan# 940

Delta R.T. -0.16 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

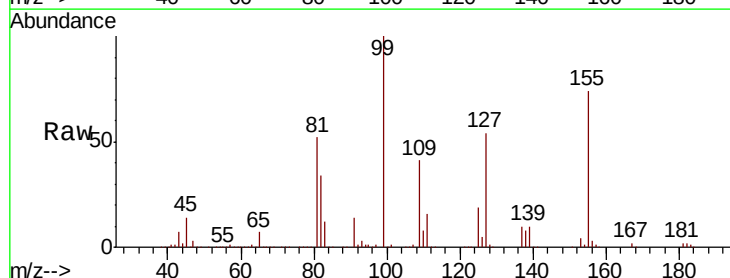
Tgt Ion: 139 Resp: 295119

Ion Ratio Lower Upper

139 100

109 417.2 24.3 36.5#

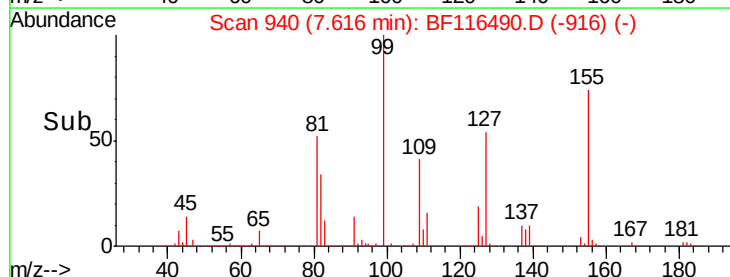
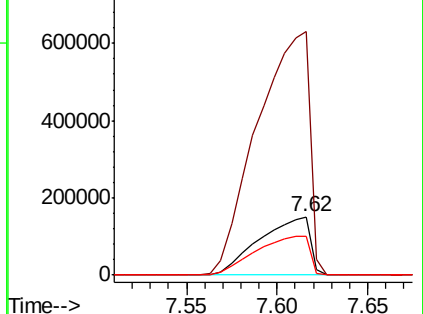
65 67.4 44.0 66.0#

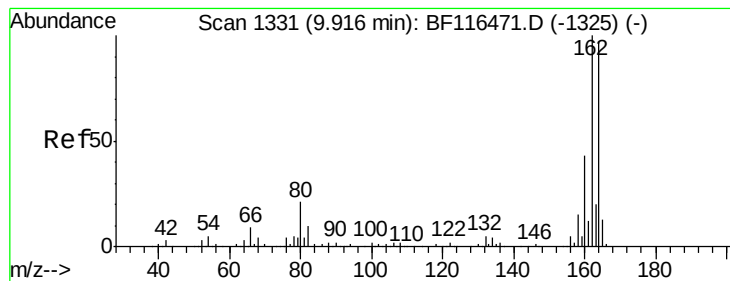


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

Instrument :

BNA\_F

ClientSampleId :

0649-ELUTRIATE-COMP-C

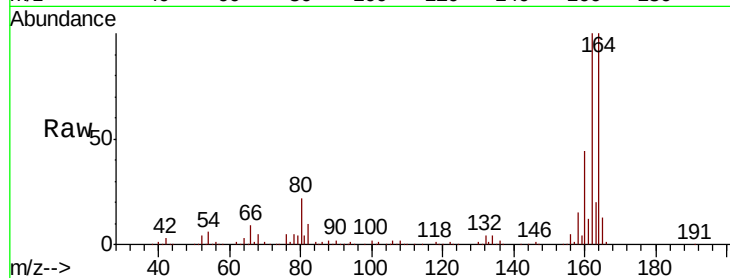
Tgt Ion:164 Resp: 221752

Ion Ratio Lower Upper

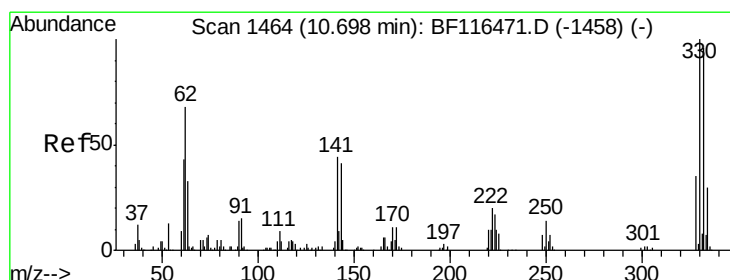
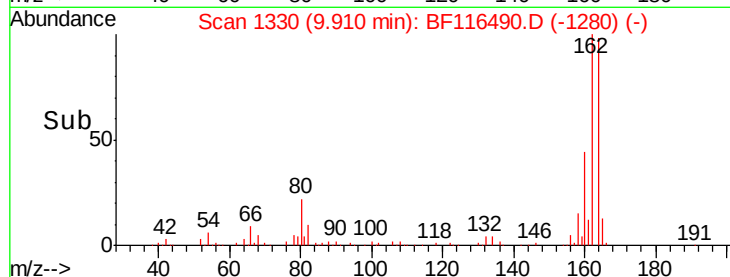
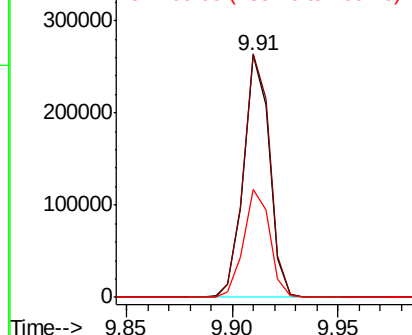
164 100

162 100.5 82.6 123.8

160 44.3 35.8 53.8



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: 126.694 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116490.D

Acq: 23 Aug 2019 21:12

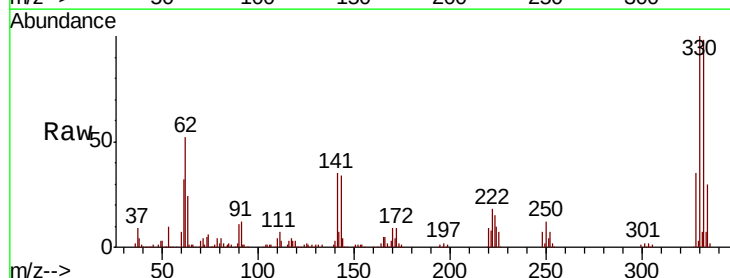
Tgt Ion:330 Resp: 241240

Ion Ratio Lower Upper

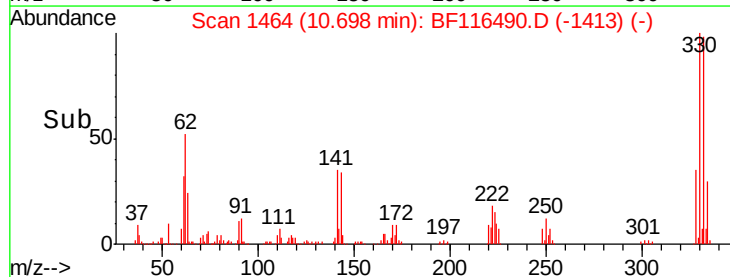
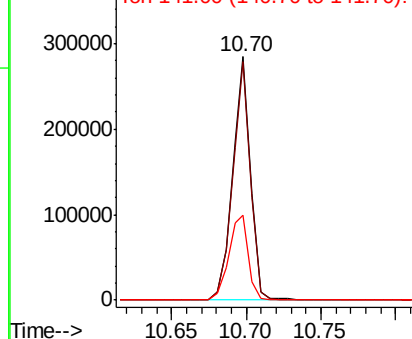
330 100

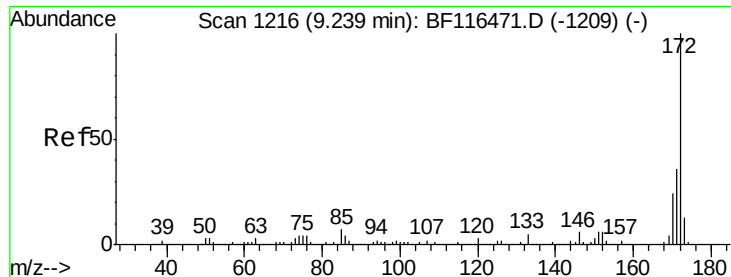
332 97.4 77.2 115.8

141 38.6 33.3 49.9



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

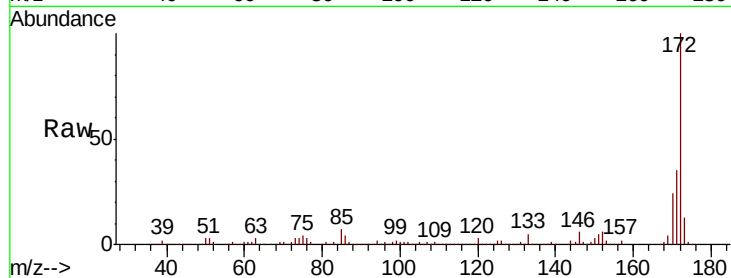




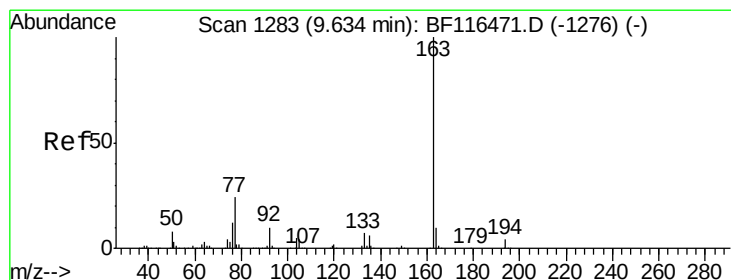
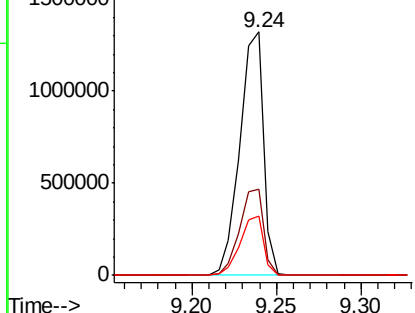
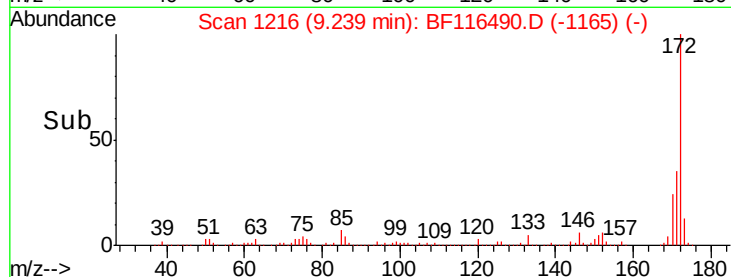
#45  
 2-Fluorobiphenyl  
 Concen: 93.668 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.00 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

Instrument :  
 BNA\_F  
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 0649-ELUTRIATE-COMP-C

Tgt Ion:172 Resp: 1289801  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.9 43.3  
 170 24.2 19.4 29.0

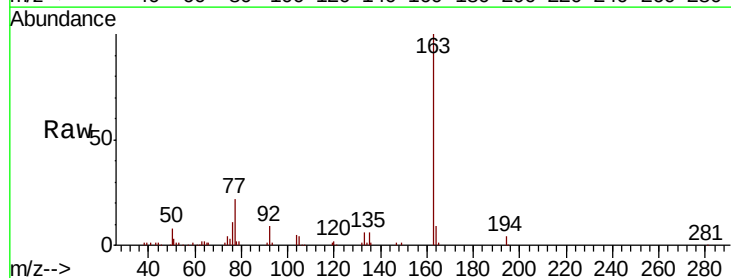


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

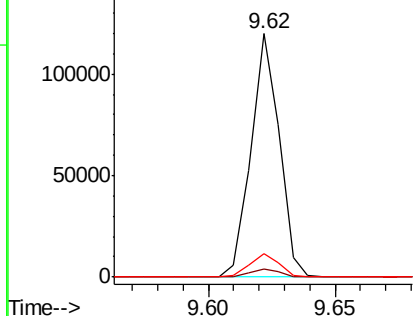
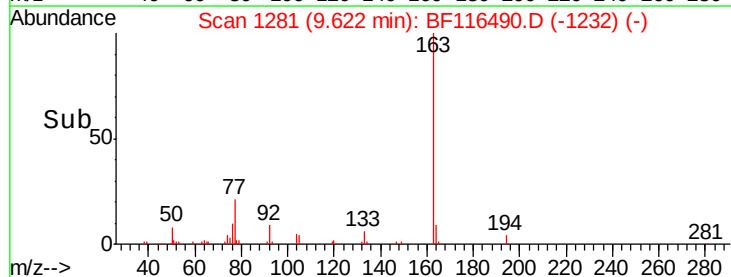


#50  
 Dimethylphthalate  
 Concen: 6.025 ng  
 RT: 9.62 min Scan# 1281  
 Delta R.T. -0.01 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

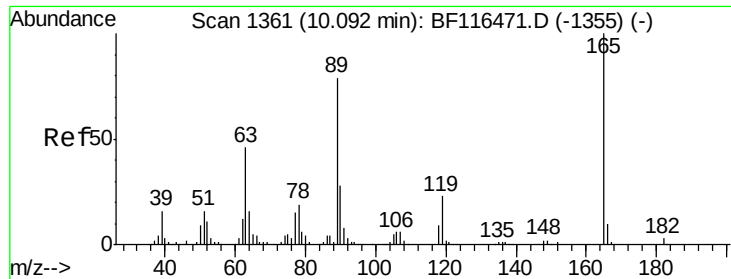
Tgt Ion:163 Resp: 93211  
 Ion Ratio Lower Upper  
 163 100  
 194 3.5 2.9 4.3  
 164 9.4 8.2 12.2



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



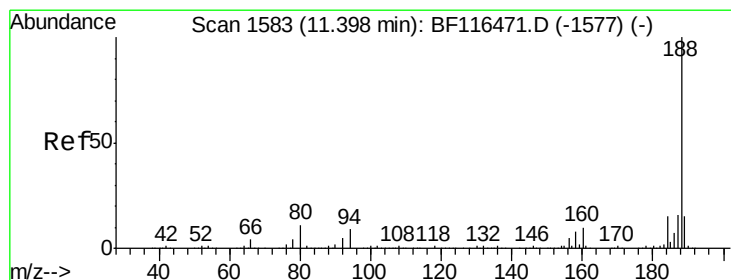
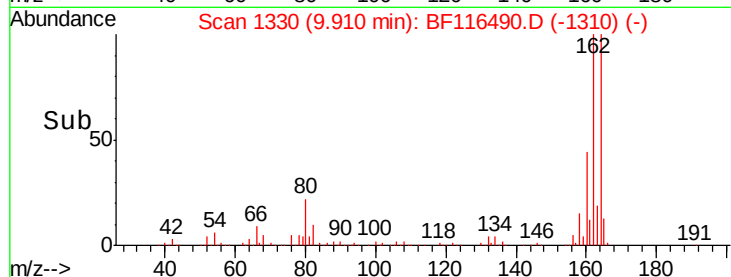
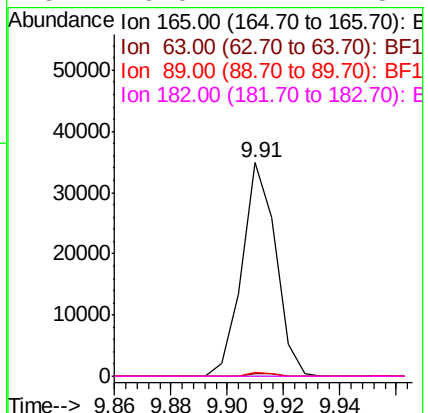
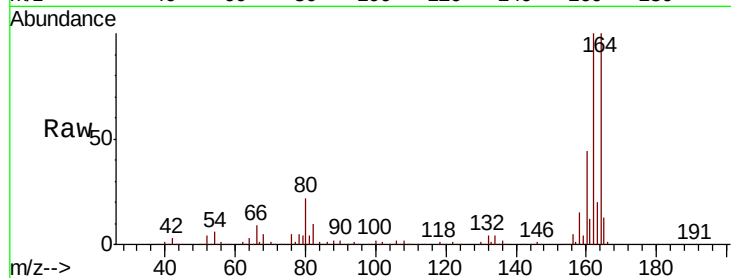




#57  
 2,4-Dinitrotoluene  
 Concen: 7.194 ng  
 RT: 9.91 min Scan# 1330  
 Delta R.T. -0.18 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

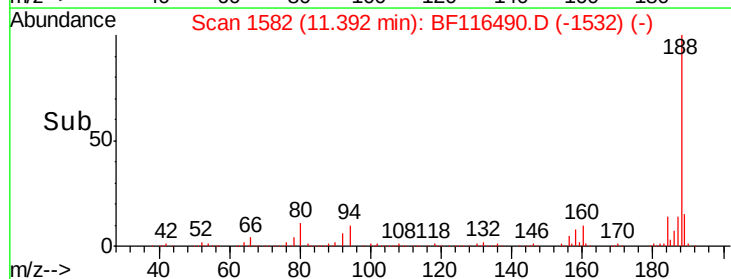
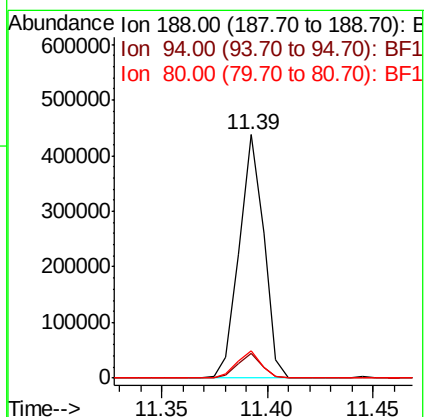
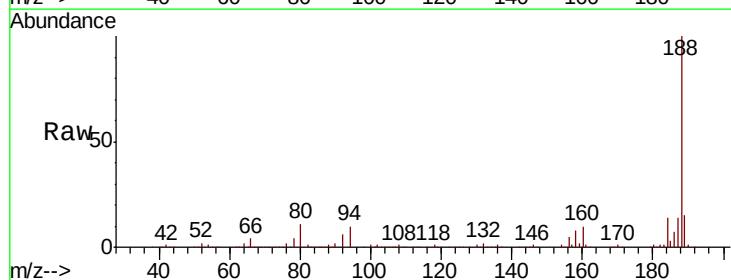
Instrument :  
 BNA\_F  
 ClientSampleId :  
 0649-ELUTRIATE-COMP-C

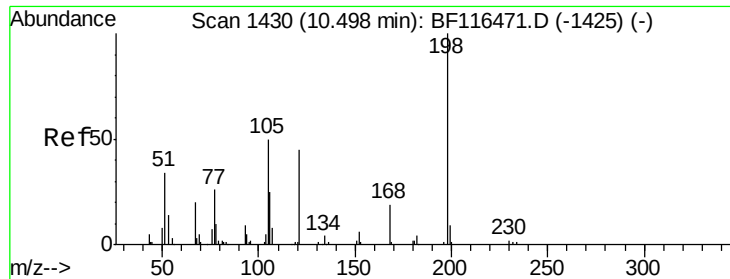
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 28989 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.5   | 36.9  | 55.3# |
| 89       | 1.5   | 63.4  | 95.0# |
| 182      | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.39 min Scan# 1582  
 Delta R.T. -0.01 min  
 Lab File: BF116490.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 351086 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.4  | 7.4   | 11.2   |
| 80       | 11.3  | 8.6   | 12.8   |

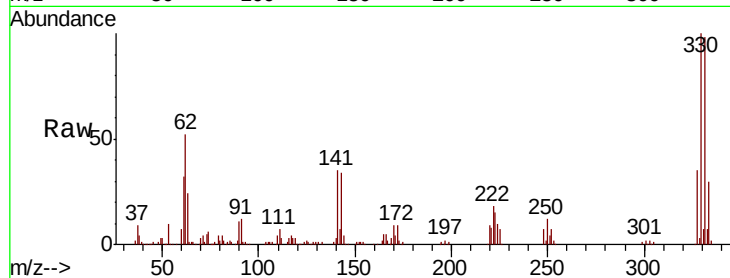




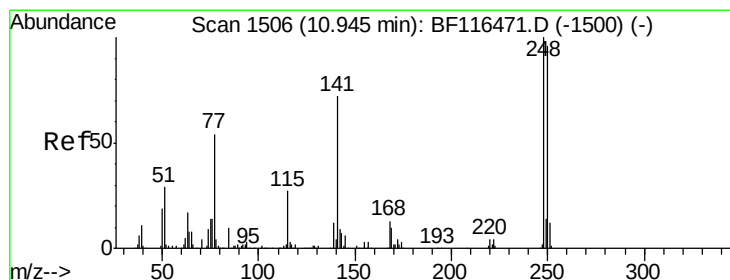
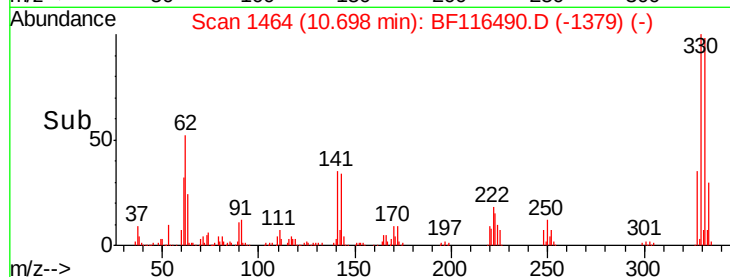
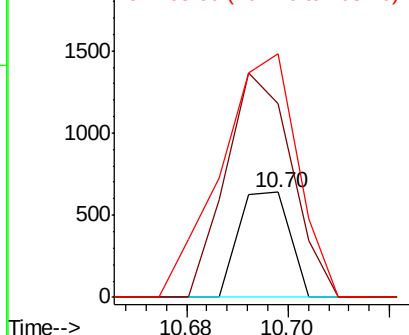
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.270 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. 0.20 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0649-ELUTRIATE-COMP-C

Tgt Ion:198 Resp: 446  
 Ion Ratio Lower Upper  
 198 100  
 51 184.1 30.4 70.4#  
 105 231.4 32.8 72.8#

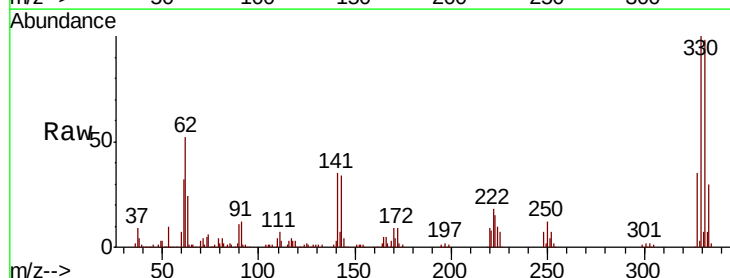


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

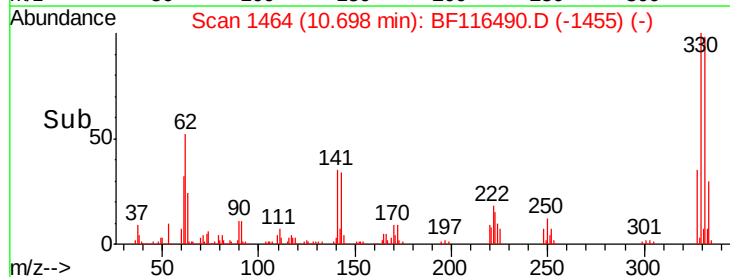
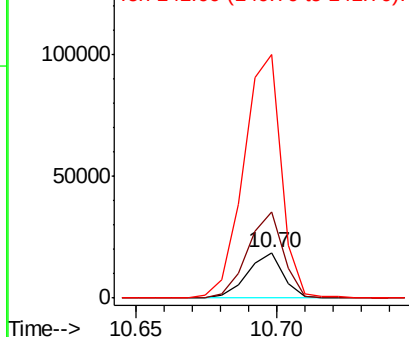


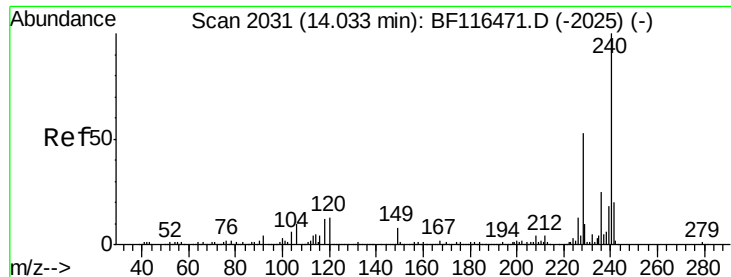
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.383 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.25 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

Tgt Ion:248 Resp: 16133  
 Ion Ratio Lower Upper  
 248 100  
 250 189.7 77.0 115.6#  
 141 532.6 57.4 86.0#



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

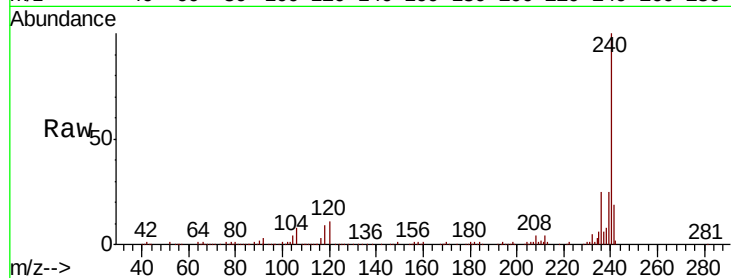




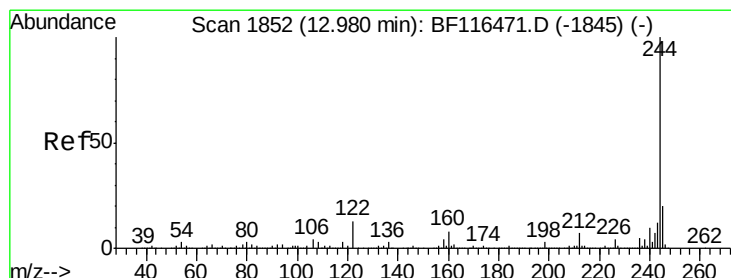
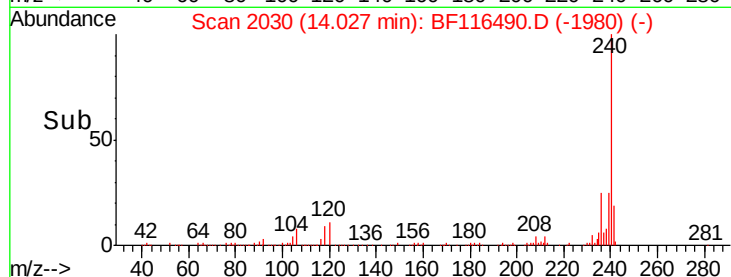
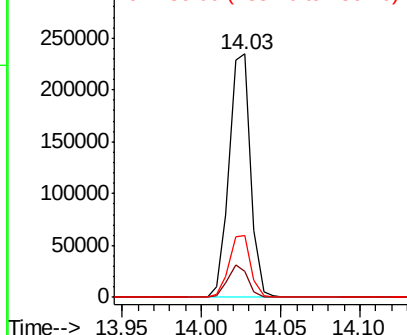
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.01 min  
Lab File: BF116490.D  
Acq: 23 Aug 2019 21:12

Instrument :  
BNA\_F  
ClientSampleId :  
0649-ELUTRIATE-COMP-C

Tgt Ion:240 Resp: 221165  
Ion Ratio Lower Upper  
240 100  
120 10.8 10.5 15.7  
236 25.4 20.2 30.2

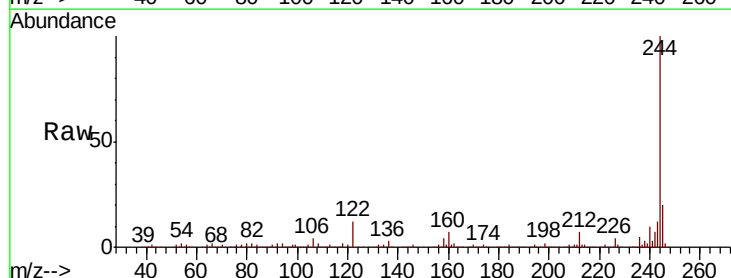


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

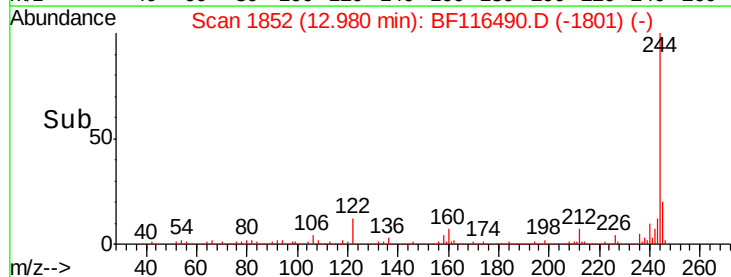
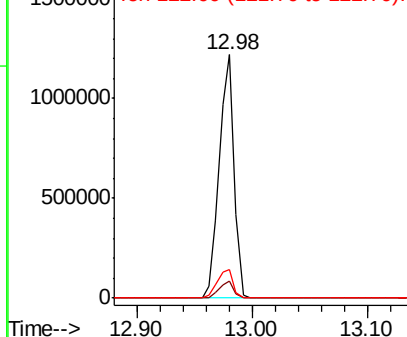


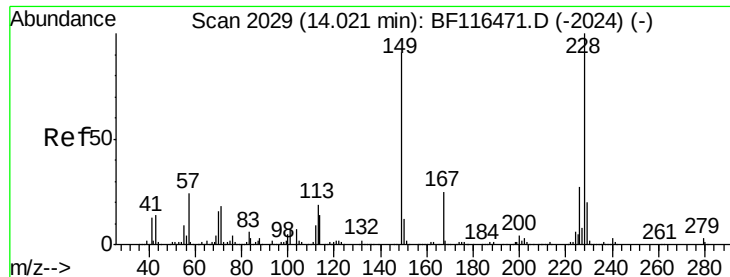
#79  
Terphenyl-d14  
Concen: 92.123 ng  
RT: 12.98 min Scan# 1852  
Delta R.T. -0.00 min  
Lab File: BF116490.D  
Acq: 23 Aug 2019 21:12

Tgt Ion:244 Resp: 1090759  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.7 8.5  
122 11.7 10.2 15.4



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

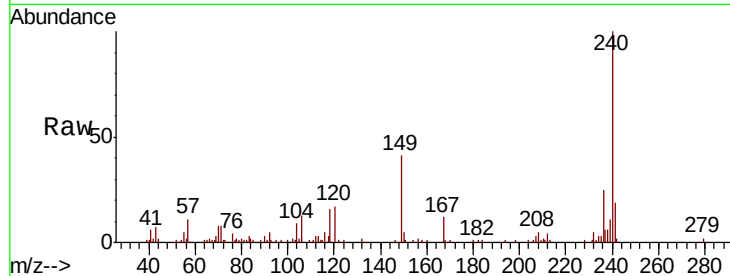




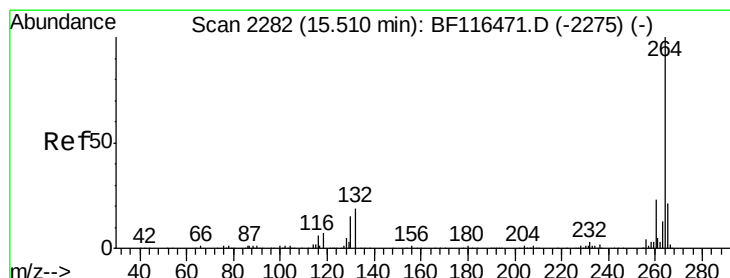
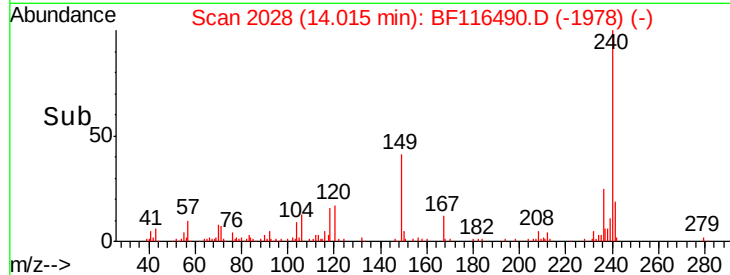
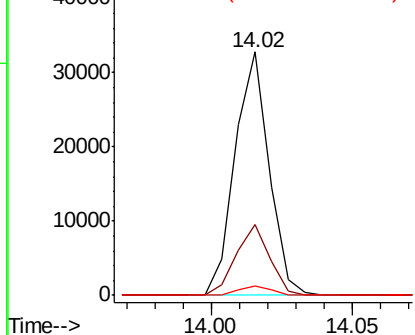
#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.691 ng  
 RT: 14.02 min Scan# 2028  
 Delta R.T. -0.01 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

Instrument :  
 BNA\_F  
 ClientSampleId :  
 0649-ELUTRIATE-COMP-C

Tgt Ion:149 Resp: 27409  
 Ion Ratio Lower Upper  
 149 100  
 167 29.2 21.8 32.6  
 279 4.0 3.0 4.4

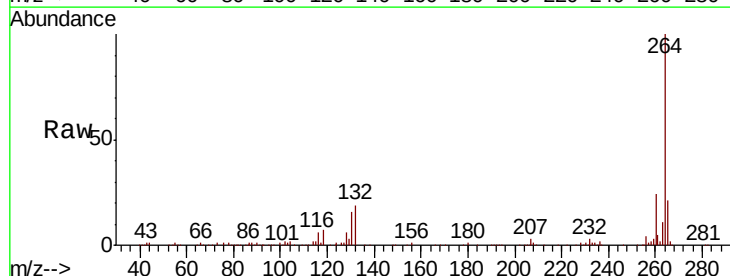


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BF116490.D  
 Acq: 23 Aug 2019 21:12

Tgt Ion:264 Resp: 224851  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 18.8 28.2  
 265 21.2 17.1 25.7



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

