

Data File : BF118521.D  
Acq On : 10 Jan 2020 18:15  
Operator : JU  
Sample : L1060-12  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Quant Time: Jan 11 02:54:54 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 08 16:06:11 2020  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 72710    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 296853   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.87  | 164  | 165743   | 20.00     | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.37 | 188  | 308158   | 20.00     | ng    | -0.01    |
| 76) Chrysene-d12               | 14.03 | 240  | 214007   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 15.52 | 264  | 166079   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 503636   | 114.34    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.47  | 99   | 570550   | 108.35    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 506266   | 89.59     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 245868   | 125.72    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 929401   | 80.42     | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.96 | 244  | 1076375  | 79.70     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 69479    | 20.485    | ng    | # 75     |
| 25) Isophorone                 | 7.40  | 82   | 506264   | 55.922    | ng    | # 63     |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 20522    | 7.491     | ng    | # 24     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 20522    | 5.595     | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 15143    | 4.195     | ng    | # 1      |
| 77) Benzidine                  | 12.73 | 184  | 1999     | Below Cal |       | # 66     |

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

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ClientSampleId :  
TP-2

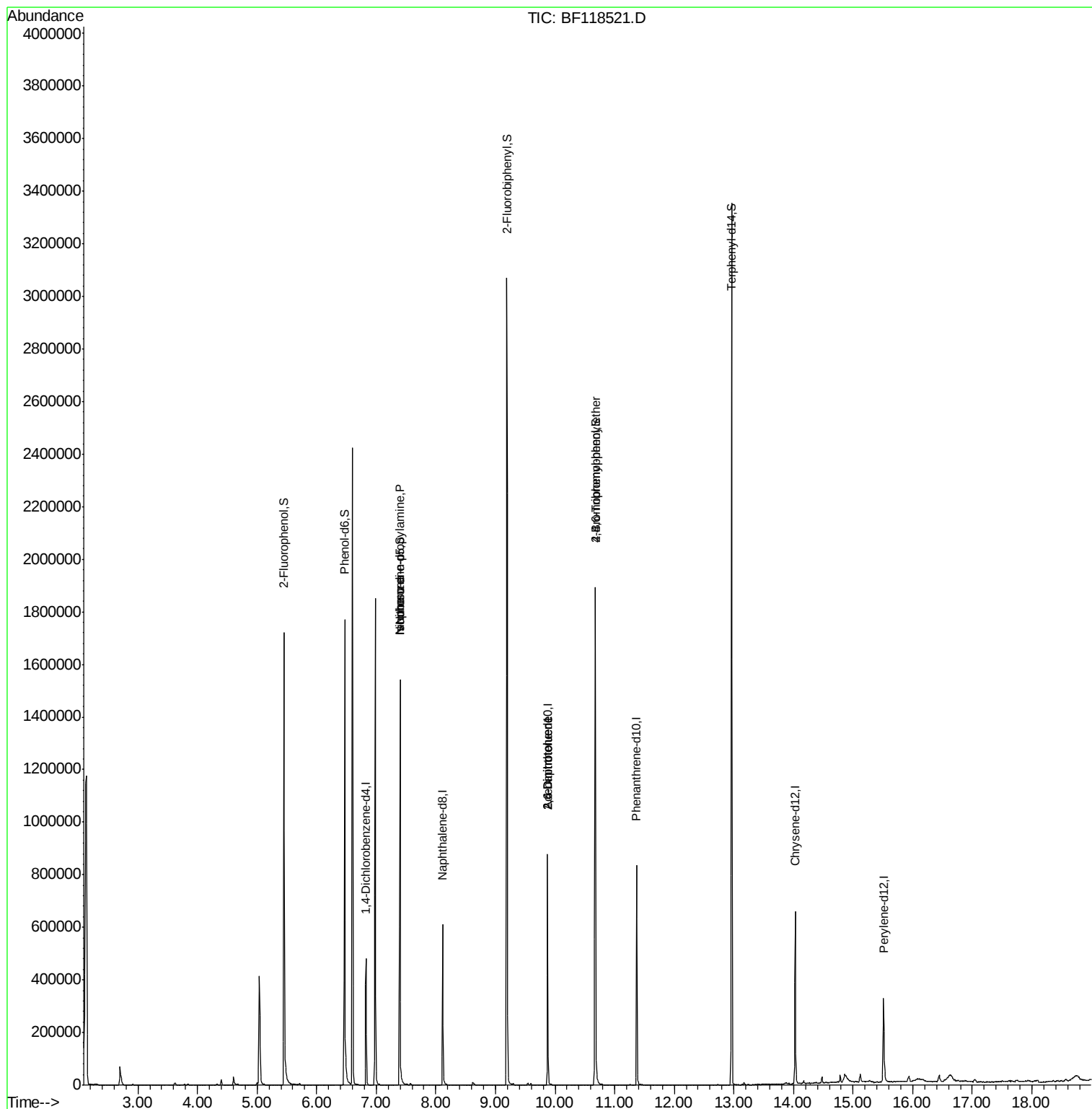
Quant Time: Jan 11 02:54:54 2020

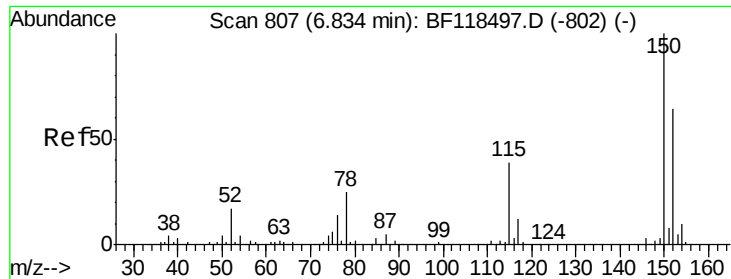
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF010820.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 08 16:06:11 2020

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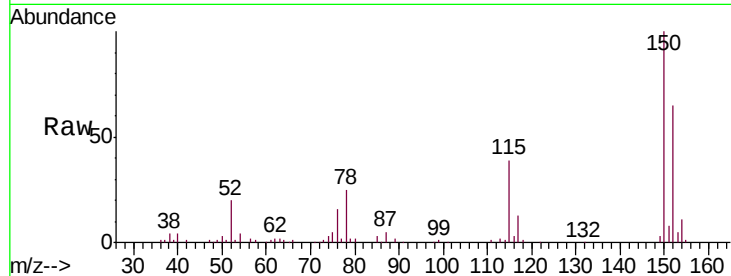


#1

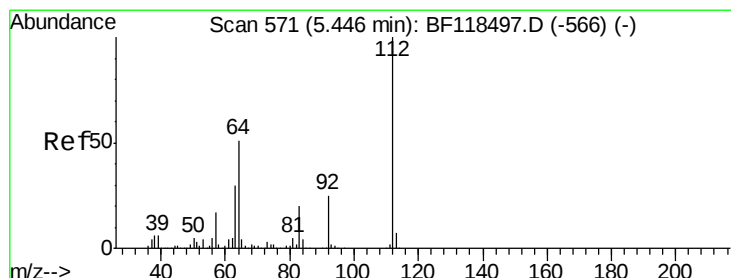
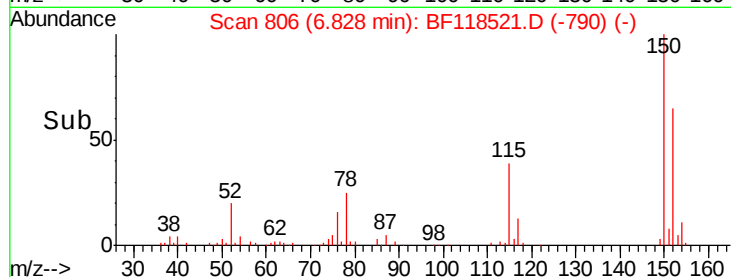
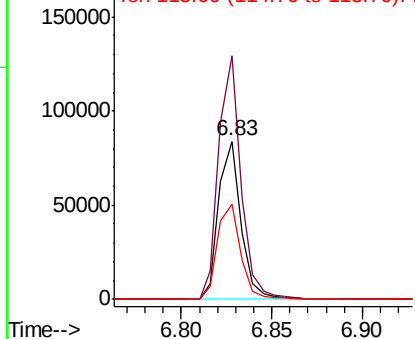
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion:152 Resp: 72710  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.7 187.1  
115 59.8 49.0 73.6



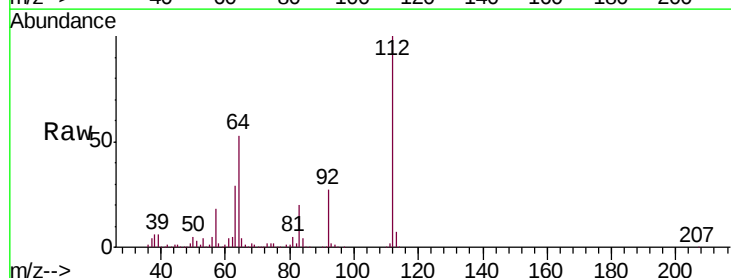
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



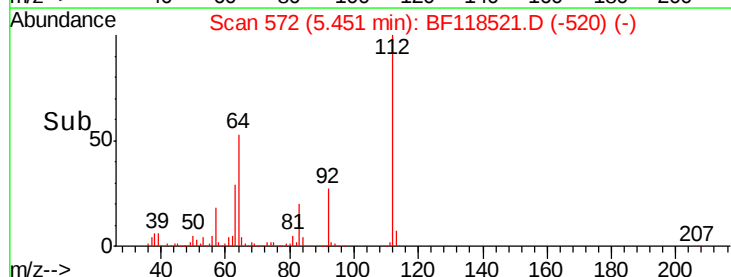
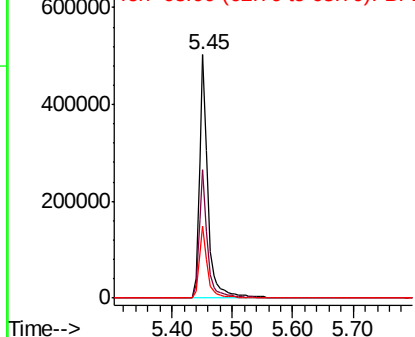
#5

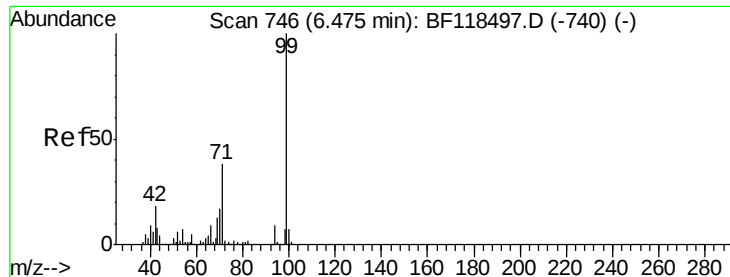
2-Fluorophenol  
Concen: 114.341 ng  
RT: 5.45 min Scan# 572  
Delta R.T. 0.01 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

Tgt Ion:112 Resp: 503636  
Ion Ratio Lower Upper  
112 100  
64 52.5 41.1 61.7  
63 29.4 24.1 36.1



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: 108.345 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

Instrument :

BNA\_F

ClientSampleId :

TP-2

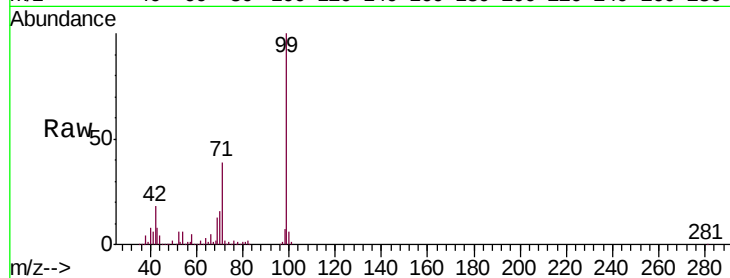
Tgt Ion: 99 Resp: 570550

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

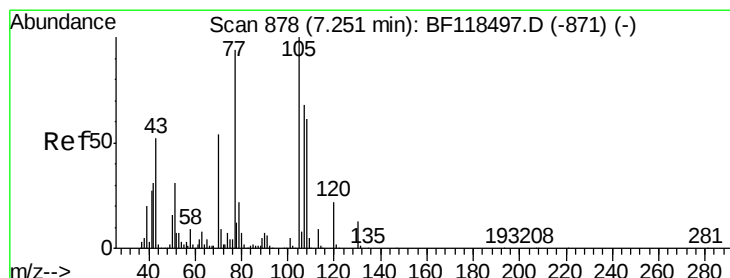
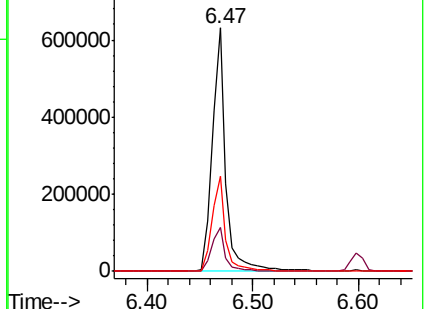
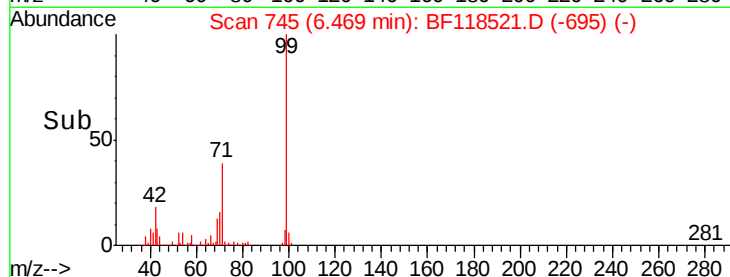
71 38.9 30.6 45.8



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: 20.485 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

Tgt Ion: 70 Resp: 69479

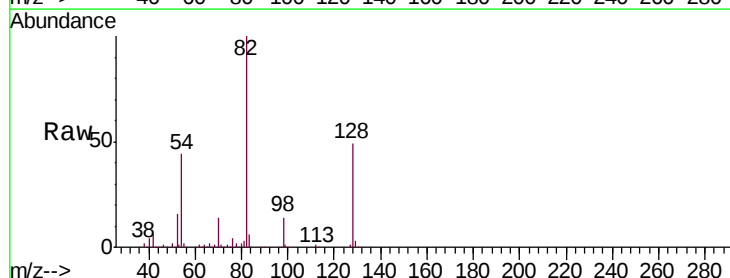
Ion Ratio Lower Upper

70 100

42 44.4 45.6 68.4#

101 0.0 8.2 12.2#

130 2.6 19.2 28.8#

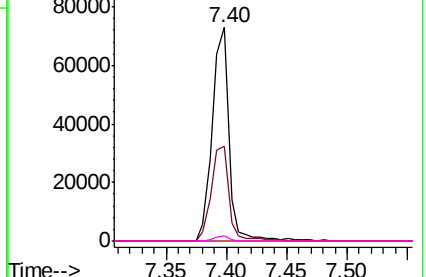
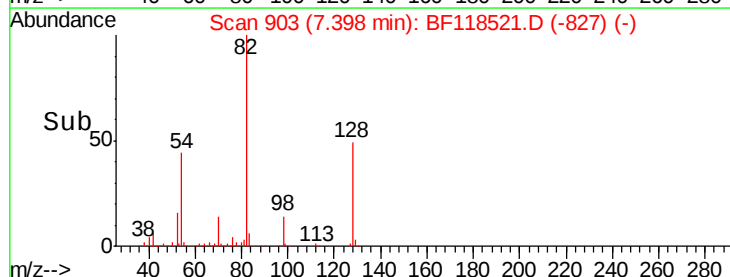


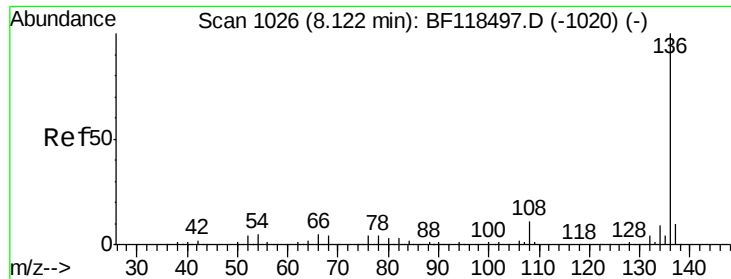
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

Instrument :

BNA\_F

ClientSampleId :

TP-2

Tgt Ion: 136 Resp: 296853

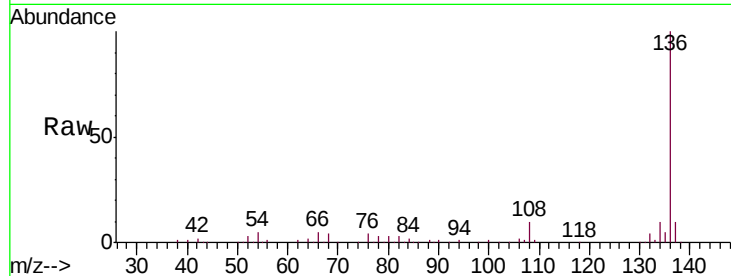
Ion Ratio Lower Upper

136 100

137 10.1 8.3 12.5

54 5.1 4.2 6.2

68 3.8 3.3 4.9

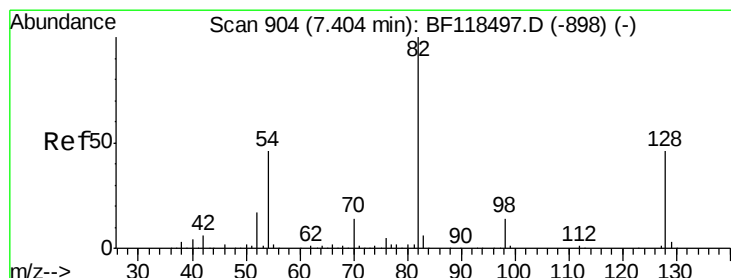
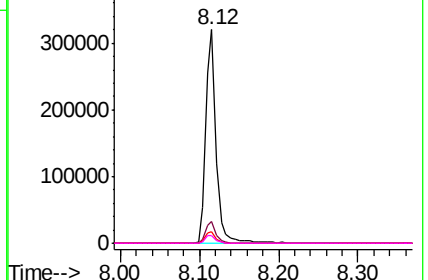
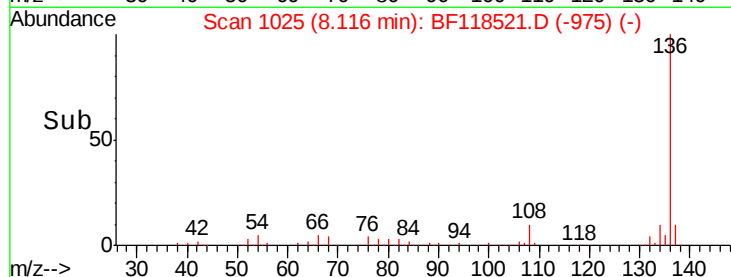


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.589 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

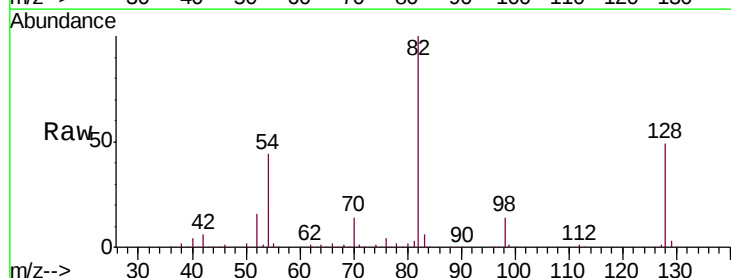
Tgt Ion: 82 Resp: 506266

Ion Ratio Lower Upper

82 100

128 48.5 36.6 54.8

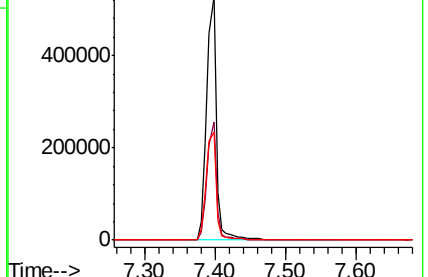
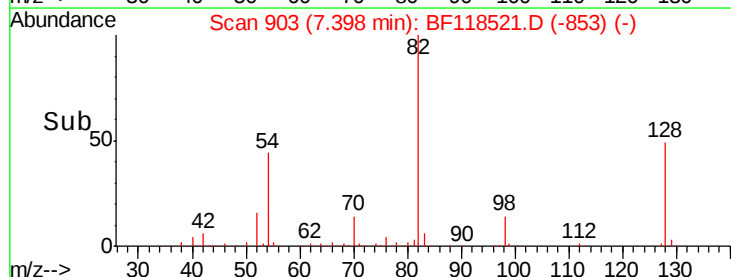
54 44.2 37.0 55.6

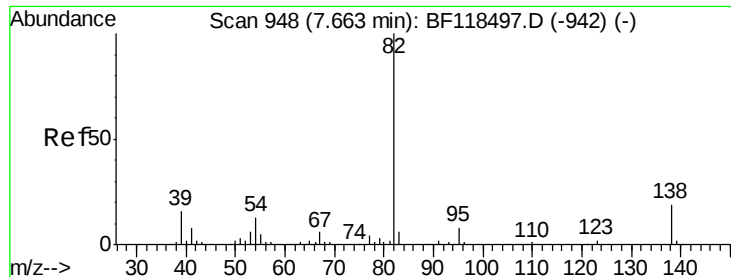


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.922 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF118521.D

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ClientSampleId :

TP-2

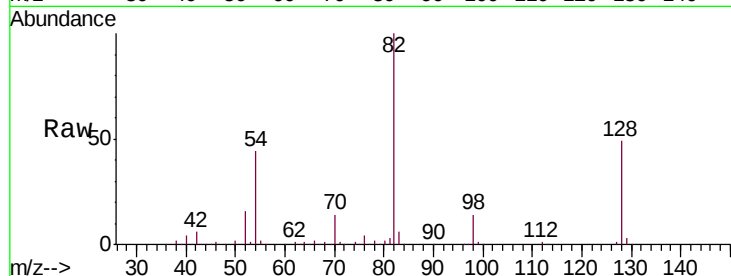
Tgt Ion: 82 Resp: 506264

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

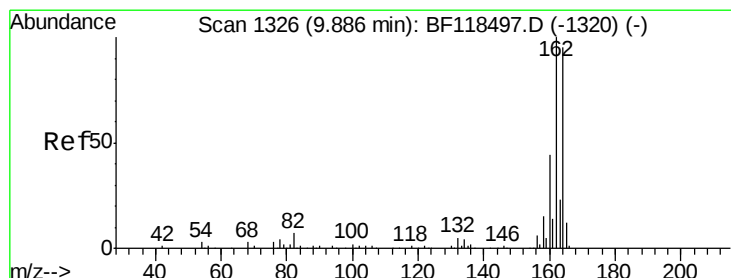
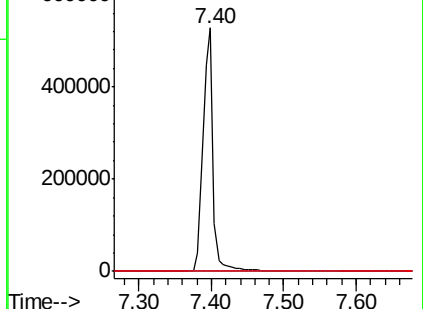
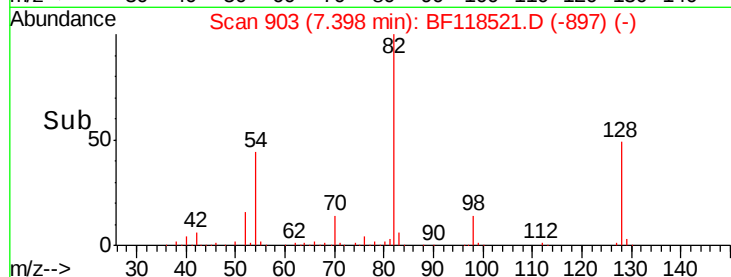
138 0.0 15.4 23.2#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

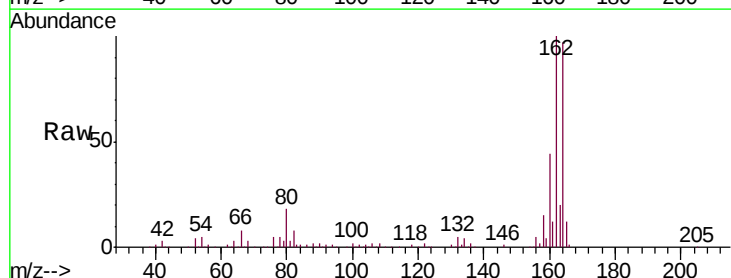
Tgt Ion: 164 Resp: 165743

Ion Ratio Lower Upper

164 100

162 102.7 84.2 126.4

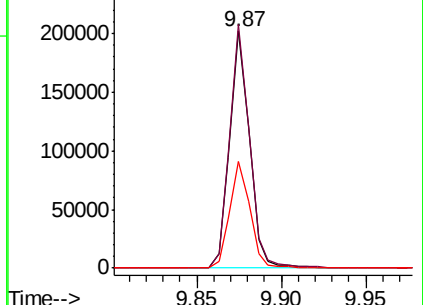
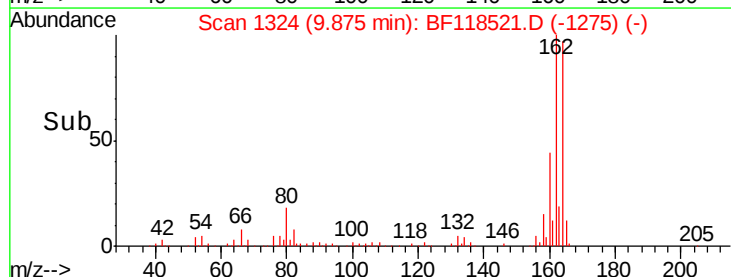
160 45.1 36.8 55.2

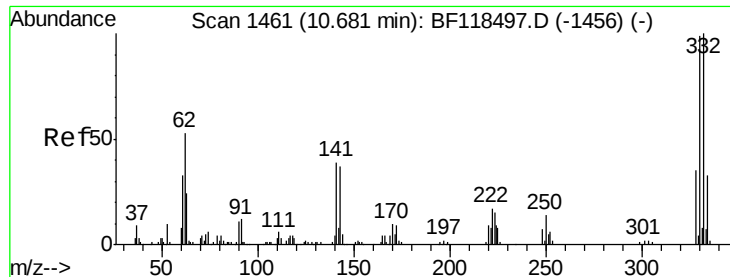


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 125.716 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

Instrument :

BNA\_F

ClientSampleId :

TP-2

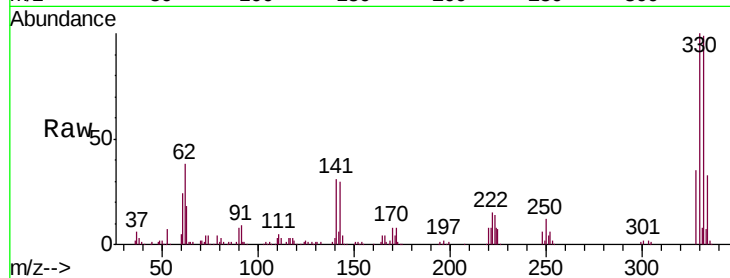
Tgt Ion:330 Resp: 245868

Ion Ratio Lower Upper

330 100

332 96.5 77.9 116.9

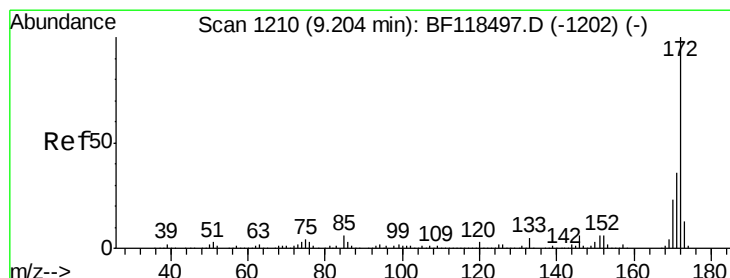
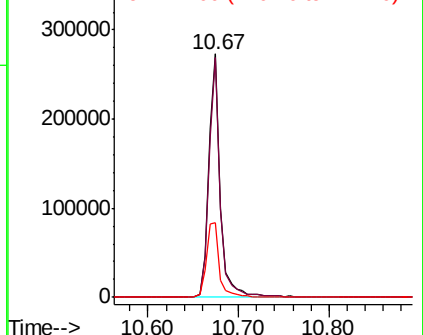
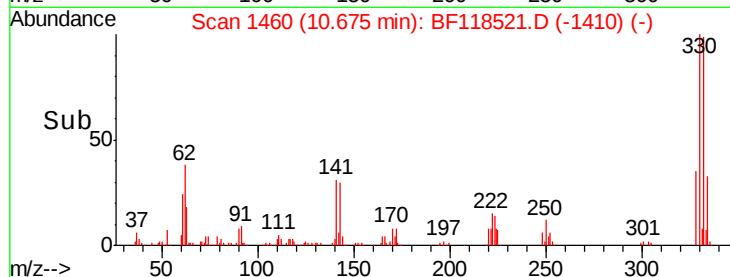
141 34.6 28.6 43.0



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: 80.423 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

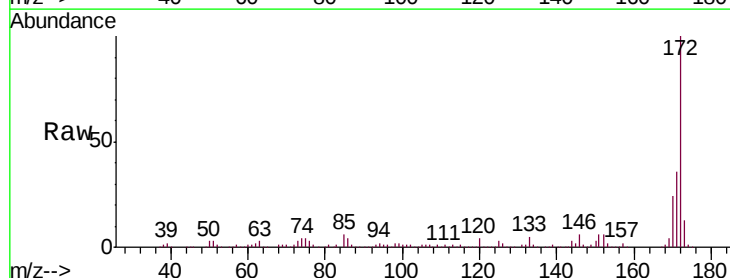
Tgt Ion:172 Resp: 929401

Ion Ratio Lower Upper

172 100

171 36.1 28.6 42.8

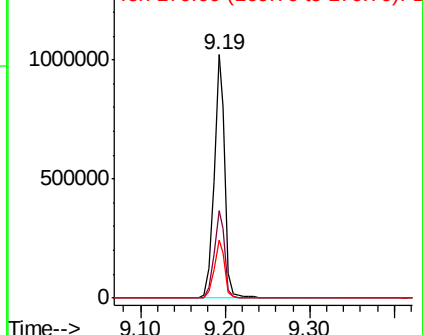
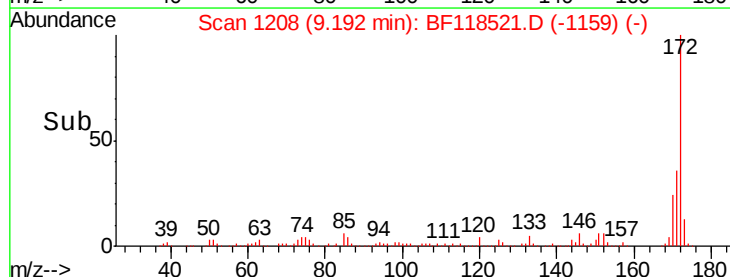
170 23.6 18.6 27.8

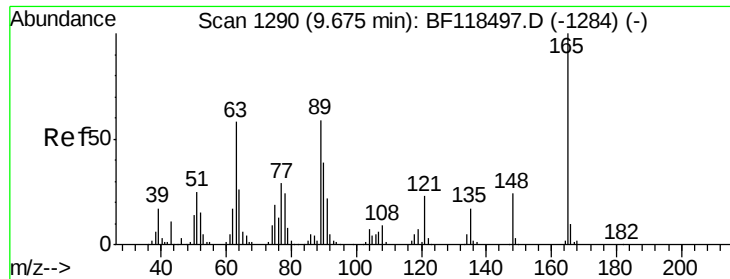


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.491 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.20 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

Instrument :

BNA\_F

ClientSampleId :

TP-2

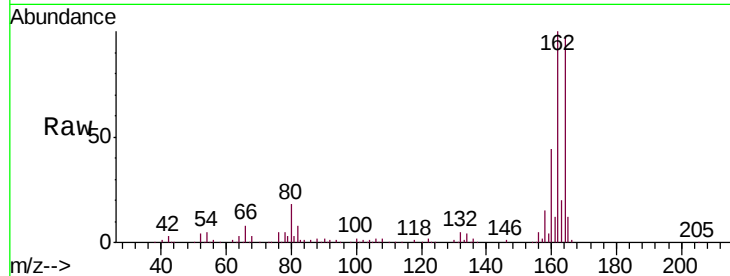
Tgt Ion:165 Resp: 20522

Ion Ratio Lower Upper

165 100

63 1.7 46.6 70.0#

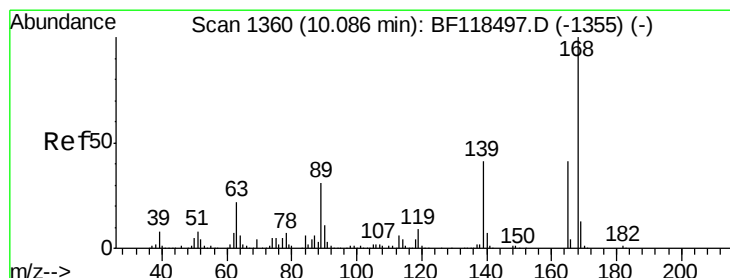
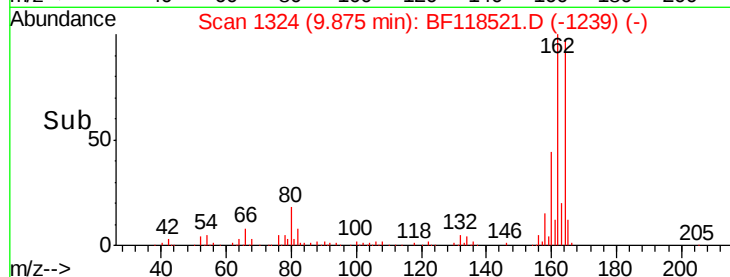
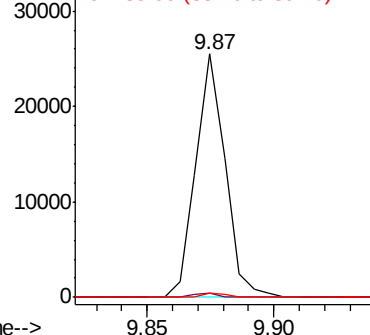
89 1.8 47.5 71.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.595 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF118521.D

Acq: 10 Jan 2020 18:15

Tgt Ion:165 Resp: 20522

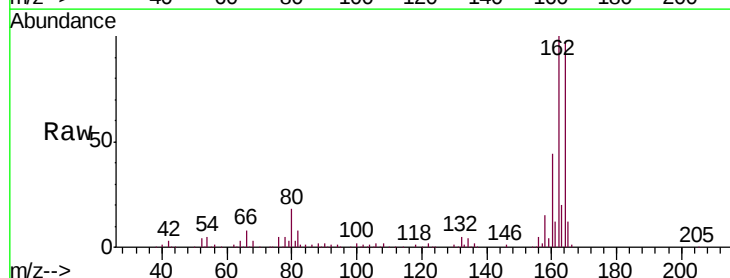
Ion Ratio Lower Upper

165 100

63 1.7 44.1 66.1#

89 1.8 60.4 90.6#

182 0.0 2.0 3.0#

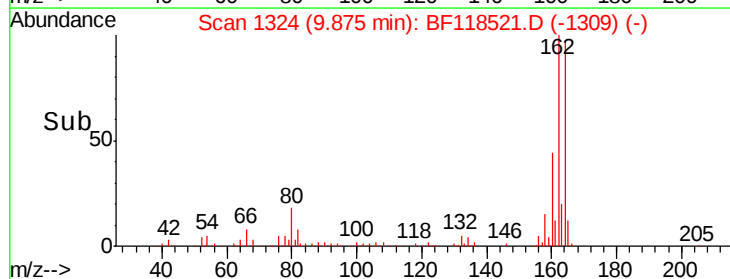
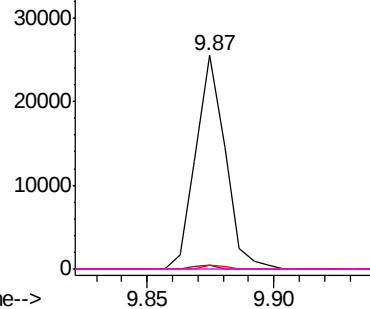


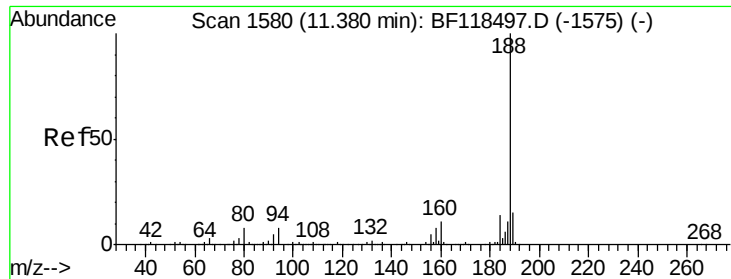
Abundance Ion 165.00 (164.70 to 165.70): E

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

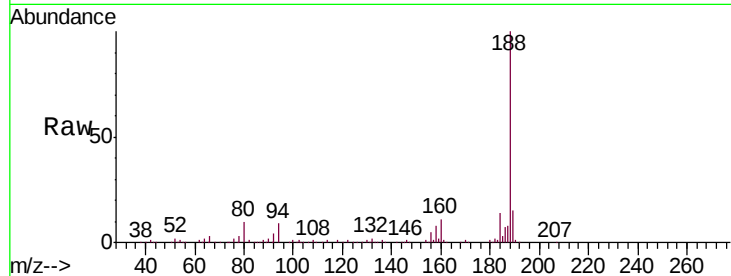




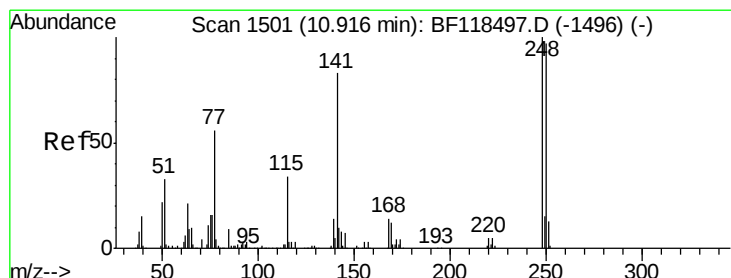
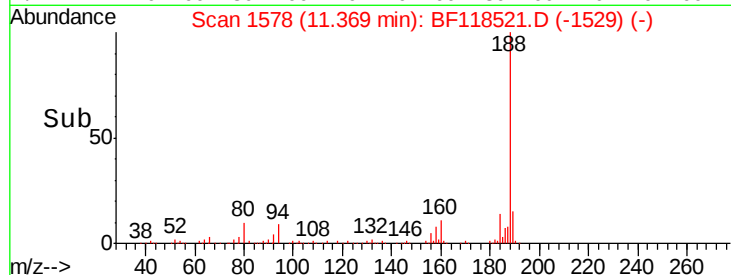
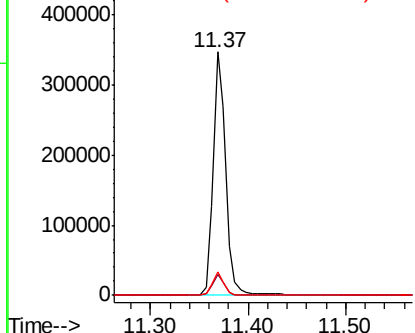
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.37 min Scan# 1578  
Delta R.T. -0.01 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion:188 Resp: 308158  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.2 9.4  
80 9.9 6.6 10.0

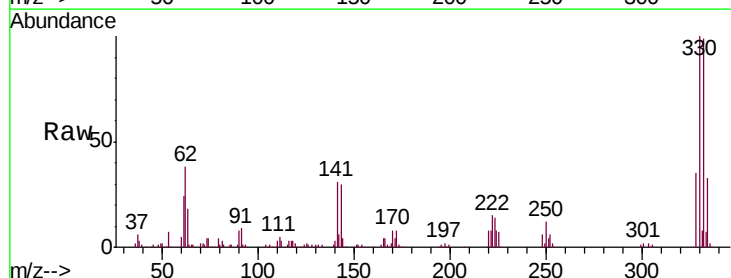


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

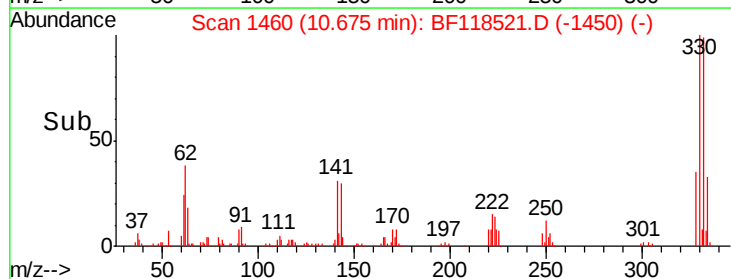
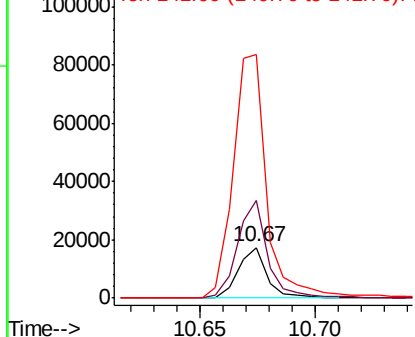


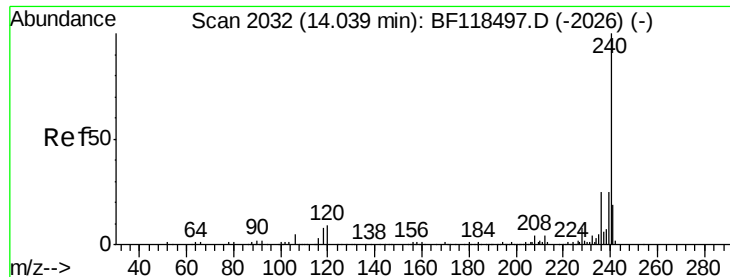
#67  
4-Bromophenyl-phenylether  
Concen: 4.195 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.24 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

Tgt Ion:248 Resp: 15143  
Ion Ratio Lower Upper  
248 100  
250 190.5 77.4 116.0#  
141 477.9 66.2 99.4#



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

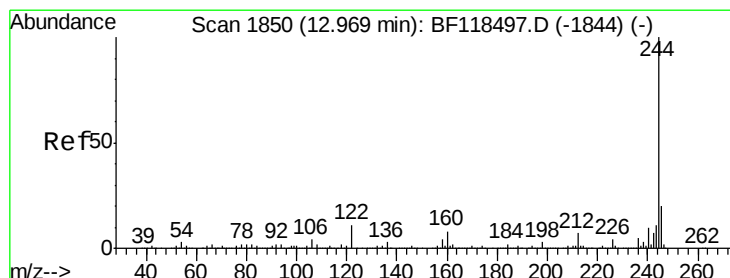
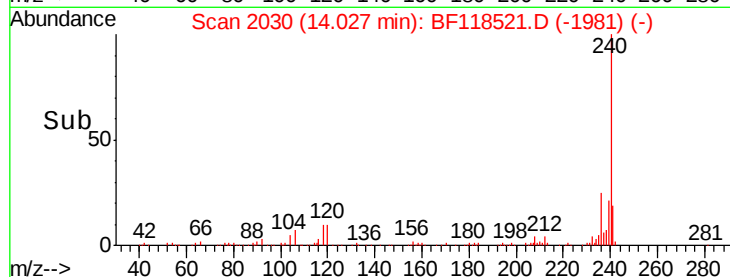
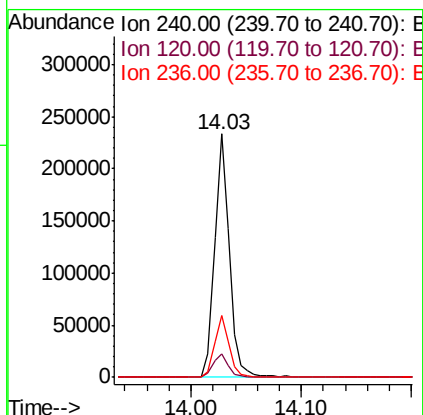
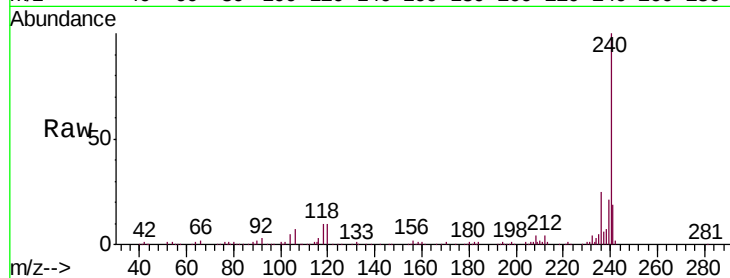




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.01 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

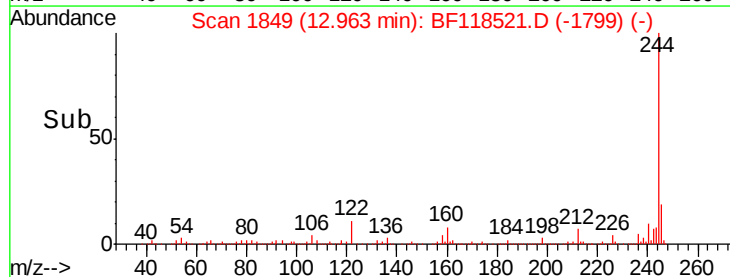
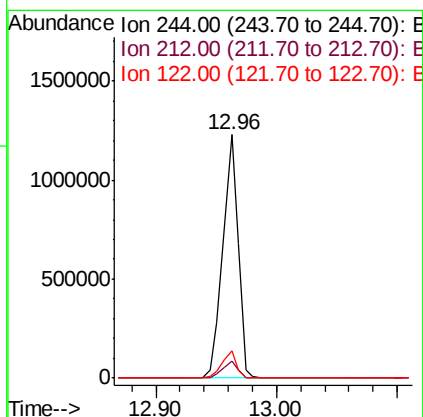
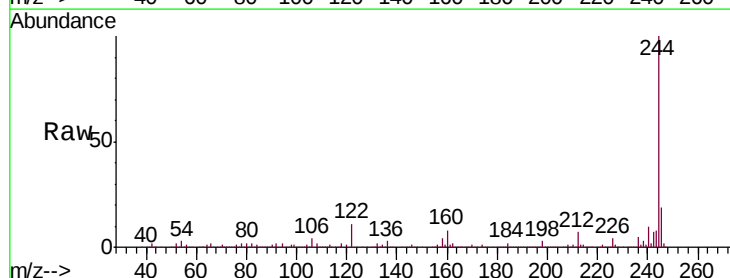
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

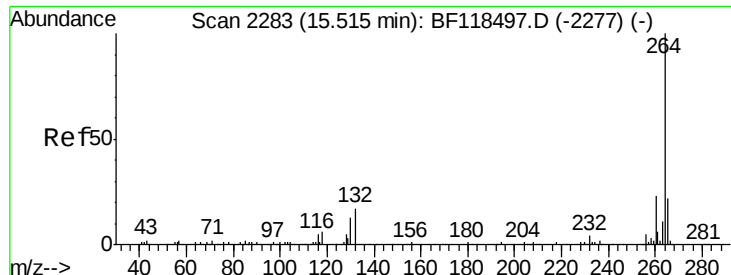
Tgt Ion:240 Resp: 214007  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.0 10.6  
236 25.4 20.1 30.1



#79  
Terphenyl-d14  
Concen: 79.704 ng  
RT: 12.96 min Scan# 1849  
Delta R.T. -0.01 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

Tgt Ion:244 Resp: 1076375  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 11.1 9.0 13.6



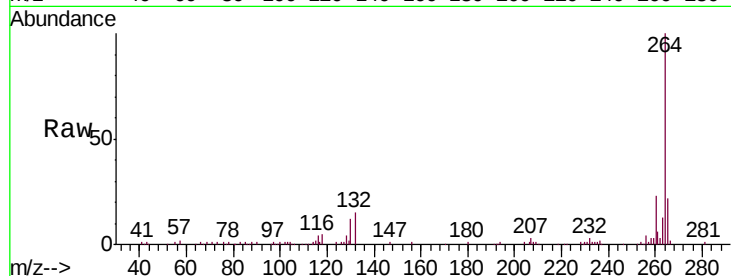


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2283  
Delta R.T. -0.00 min  
Lab File: BF118521.D  
Acq: 10 Jan 2020 18:15

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion: 264 Resp: 166079  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 18.8  | 28.2  |
| 265 | 21.9  | 17.5  | 26.3  |



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

