

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF031920\  
 Data File : BF119456.D  
 Acq On : 19 Mar 2020 23:50  
 Operator : CG/JU  
 Sample : L1942-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-10-SA

Quant Time: Mar 20 03:52:15 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

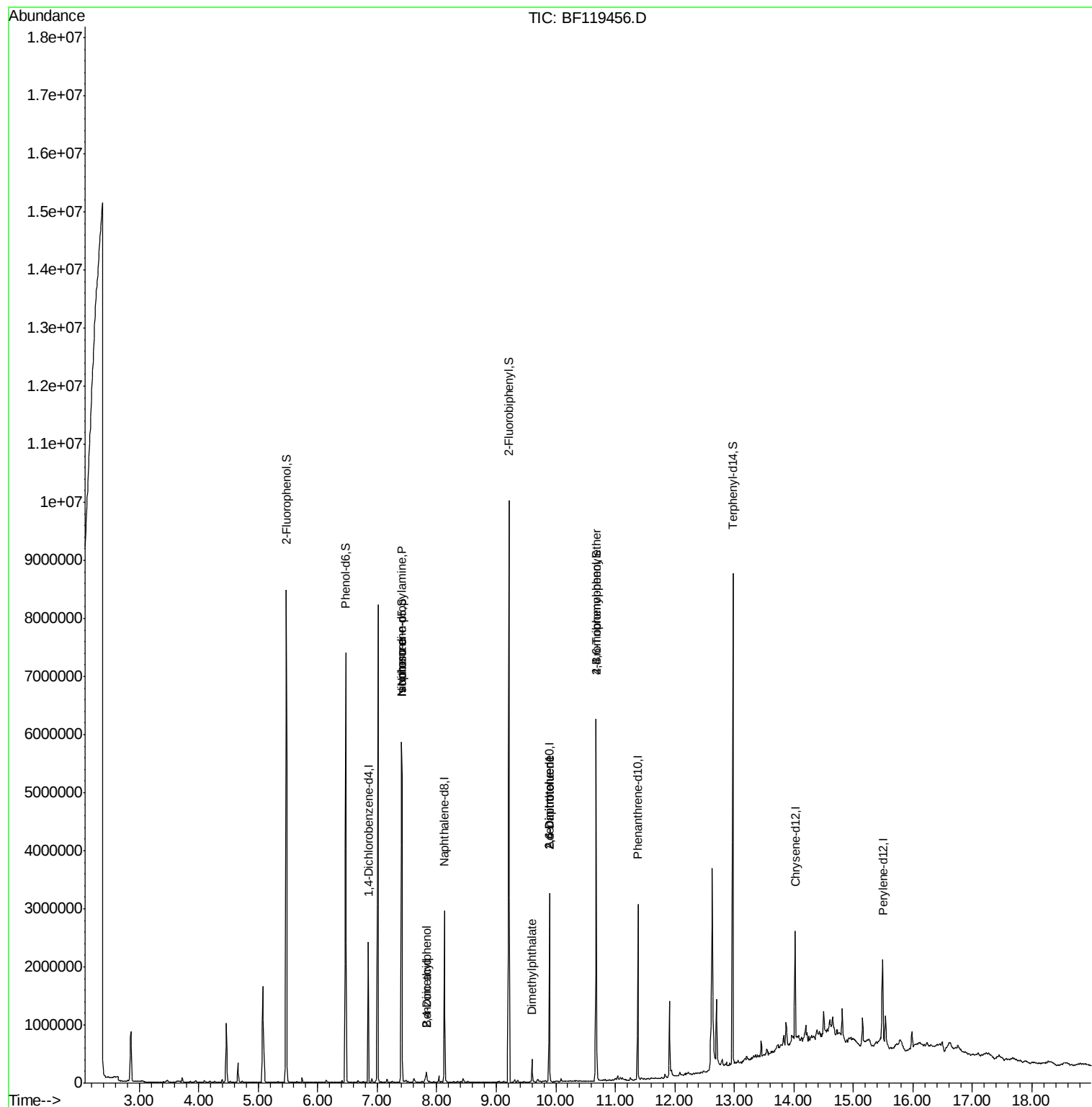
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 331497   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 1264592  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.89  | 164  | 627527   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.38 | 188  | 1091887  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.02 | 240  | 584645   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.49 | 264  | 667664   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.47  | 112  | 2400552  | 115.28 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.47  | 99   | 2706246  | 101.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 2069805  | 88.95  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.68 | 330  | 795238   | 122.84 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.22  | 172  | 3540687  | 83.59  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.97 | 244  | 3121436  | 104.60 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 276858   | 17.27  | ng    | # 74     |
| 25) Isophorone                 | 7.41  | 82   | 2066495  | 43.78  | ng    | # 66     |
| 27) 2,4-Dimethylphenol         | 7.83  | 122  | 52484    | 2.59   | ng    | # 5      |
| 32) Benzoic acid               | 7.83  | 122  | 52484    | 4.03   | ng    | 96       |
| 50) Dimethylphthalate          | 9.60  | 163  | 139386   | 3.13   | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.89  | 165  | 79912    | 8.36   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 79912    | 6.64   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248  | 50163    | 4.03   | ng    | # 1      |

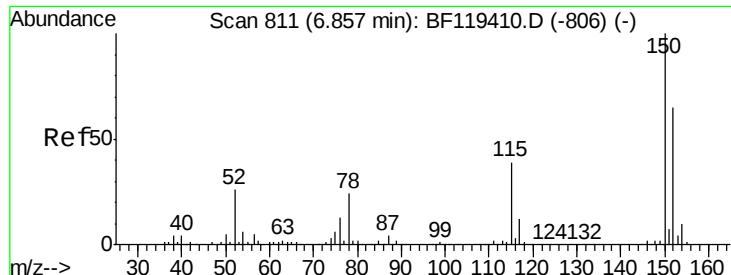
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 15:11:18 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Instrument :

BNA\_F

ClientSampled :

TP-10-SA

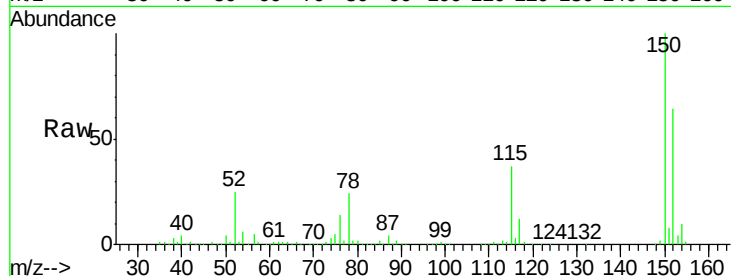
Tgt Ion:152 Resp: 331497

Ion Ratio Lower Upper

152 100

150 157.2 123.9 185.9

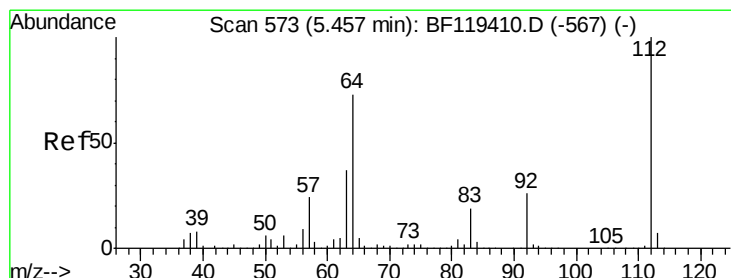
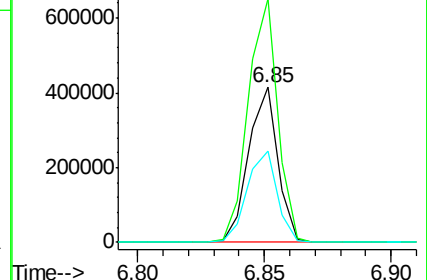
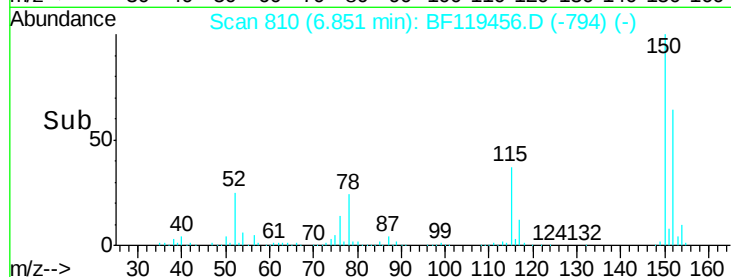
115 58.9 47.8 71.6



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: 115.28 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

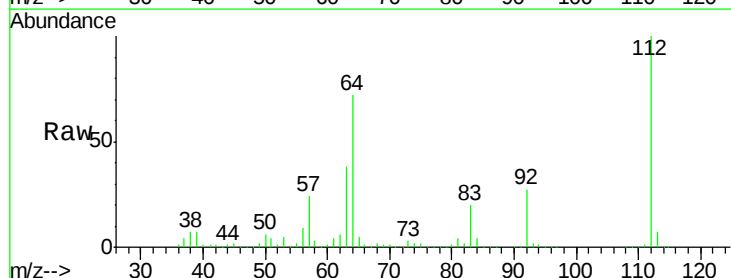
Tgt Ion:112 Resp: 2400552

Ion Ratio Lower Upper

112 100

64 71.9 58.1 87.1

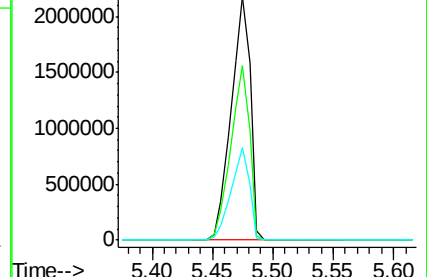
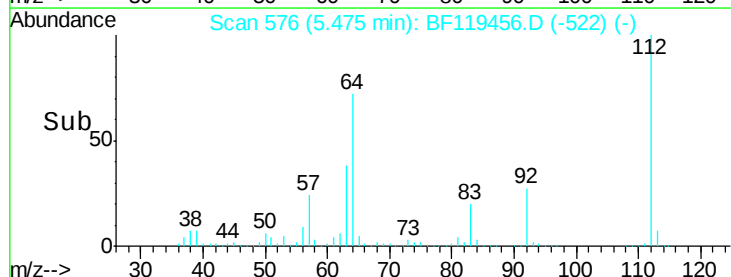
63 37.9 29.7 44.5

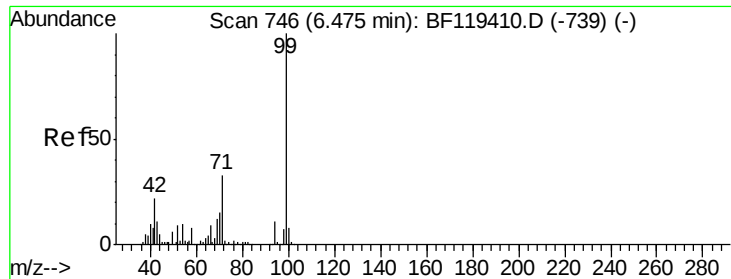


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.73 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Instrument :

BNA\_F

ClientSampleId :

TP-10-SA

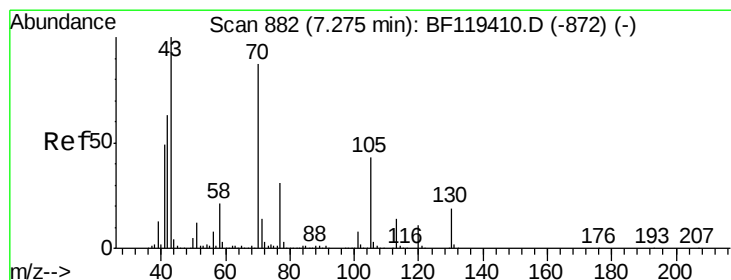
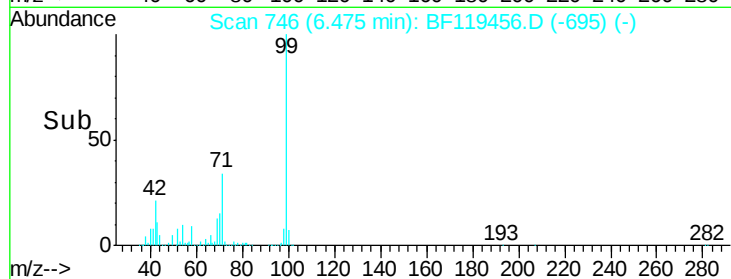
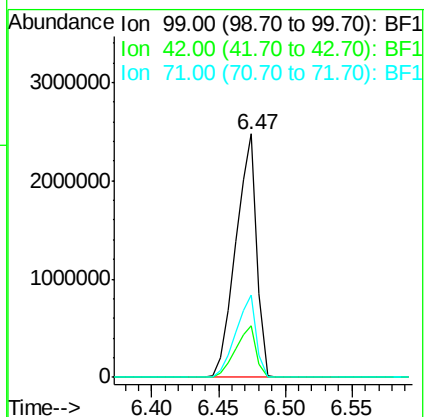
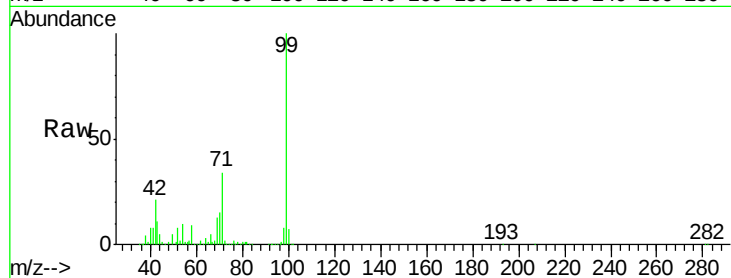
Tgt Ion: 99 Resp: 2706246

Ion Ratio Lower Upper

99 100

42 21.3 17.8 26.6

71 33.8 26.0 39.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.27 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Tgt Ion: 70 Resp: 276858

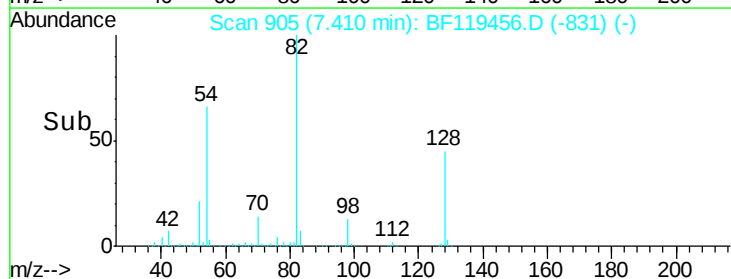
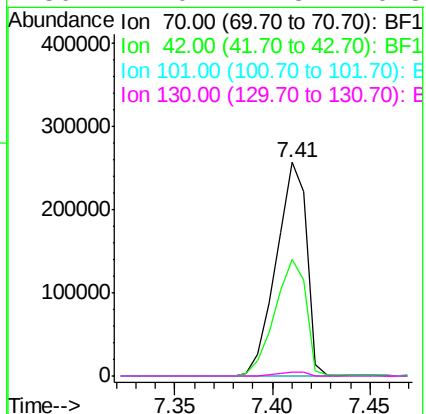
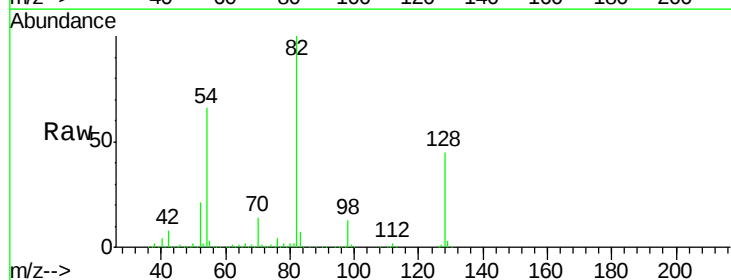
Ion Ratio Lower Upper

70 100

42 54.8 58.2 87.4#

101 0.0 7.4 11.2#

130 2.0 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Instrument :

BNA\_F

ClientSampleId :

TP-10-SA

Tgt Ion:136 Resp: 1264592

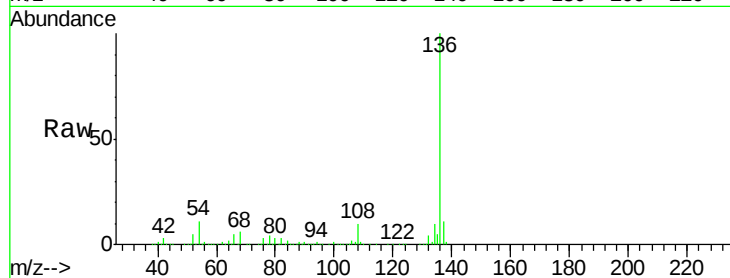
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 10.6 8.3 12.5

68 5.9 4.9 7.3

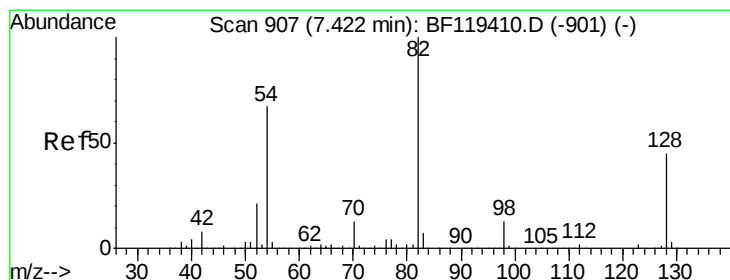
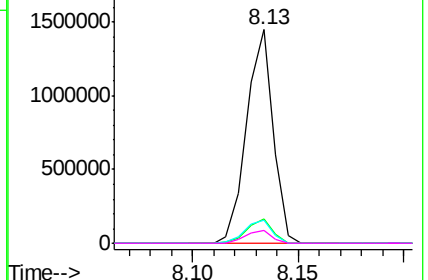
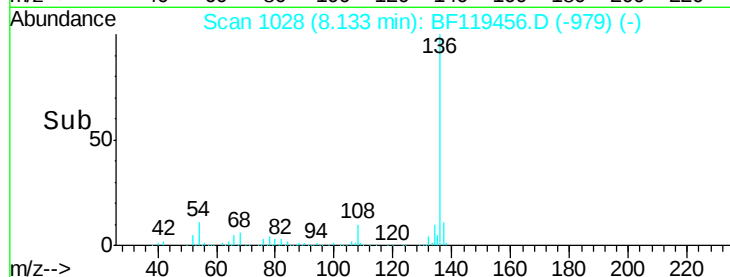


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.95 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

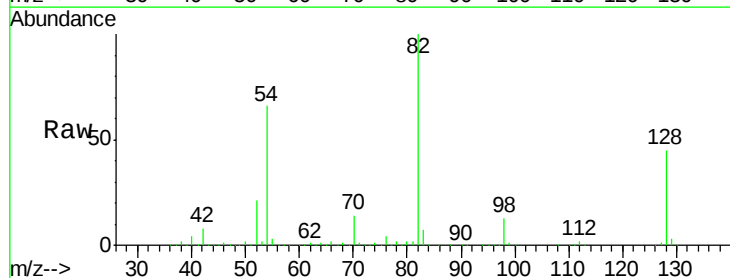
Tgt Ion: 82 Resp: 2069805

Ion Ratio Lower Upper

82 100

128 44.7 35.8 53.8

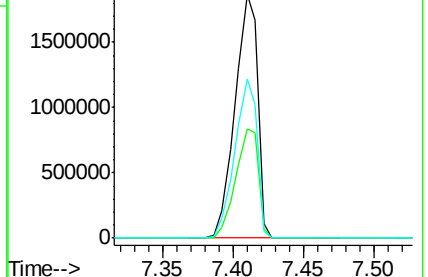
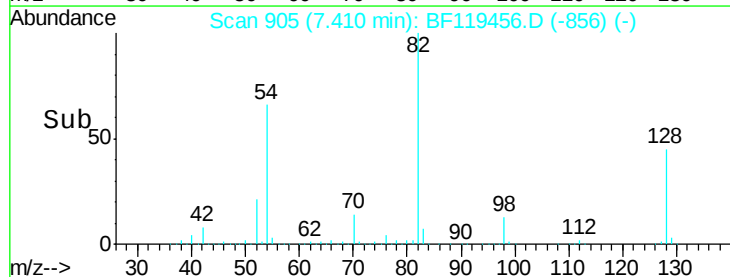
54 65.5 53.4 80.0

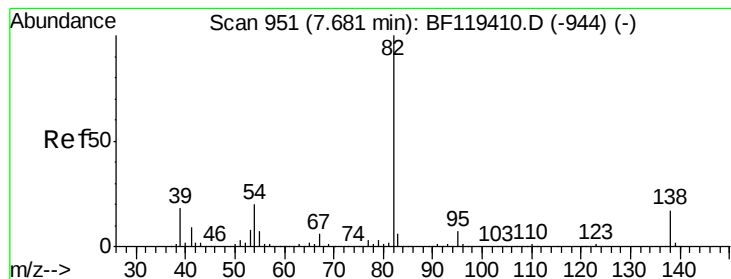


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.78 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.27 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Instrument :

BNA\_F

ClientSampleId :

TP-10-SA

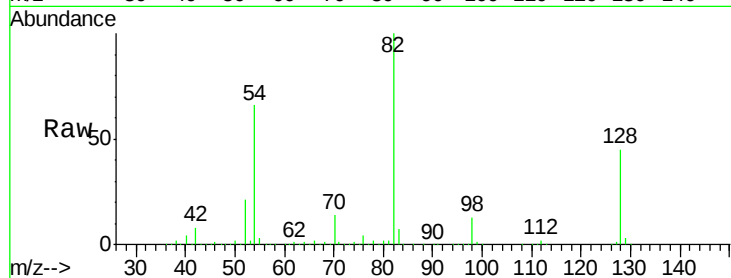
Tgt Ion: 82 Resp: 2066495

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

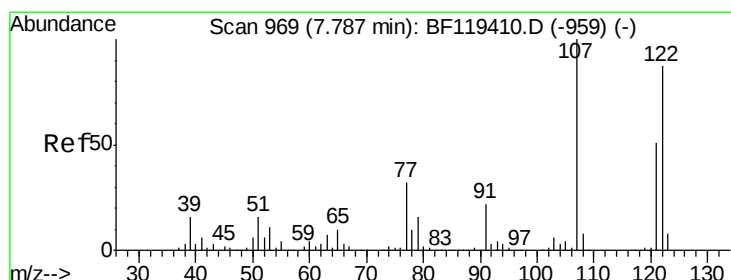
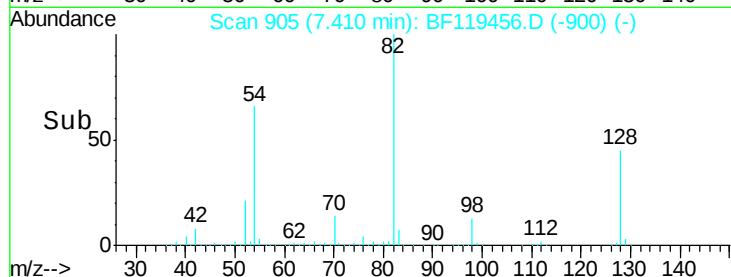
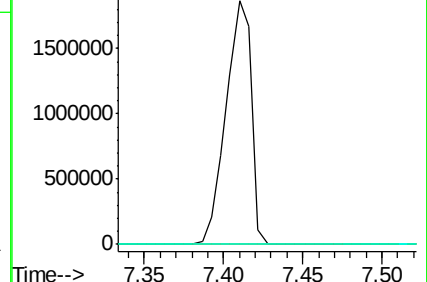
138 0.0 13.8 20.8#



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



#27

2,4-Dimethylphenol

Concen: 2.59 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.04 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

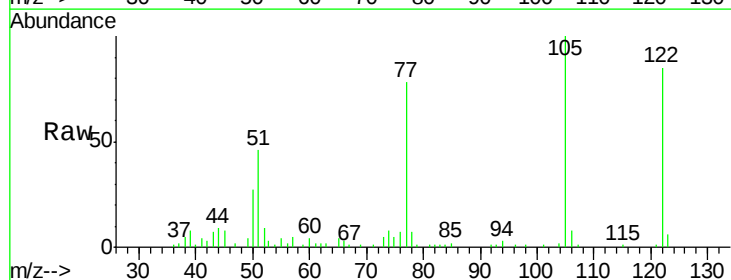
Tgt Ion: 122 Resp: 52484

Ion Ratio Lower Upper

122 100

107 1.0 91.8 137.6#

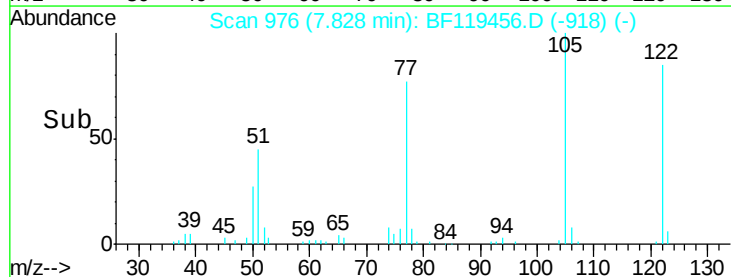
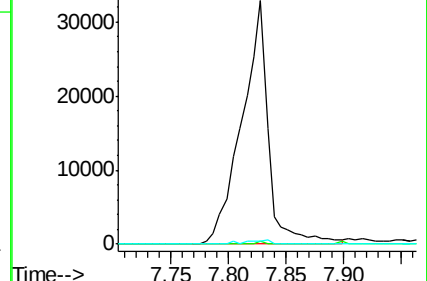
121 1.3 46.5 69.7#

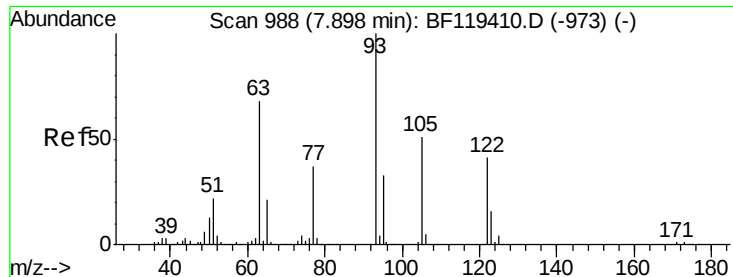


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1

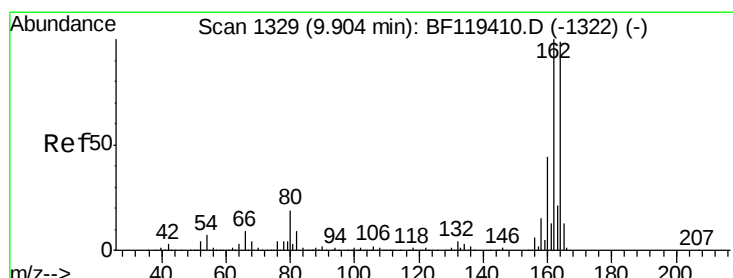
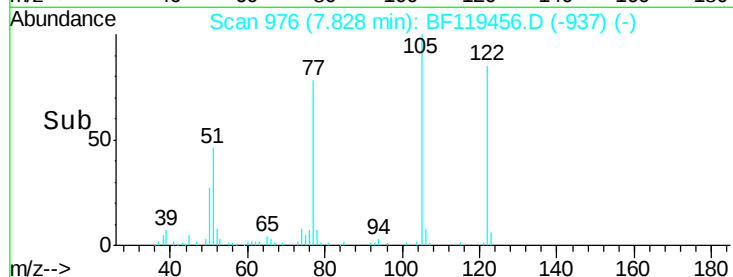
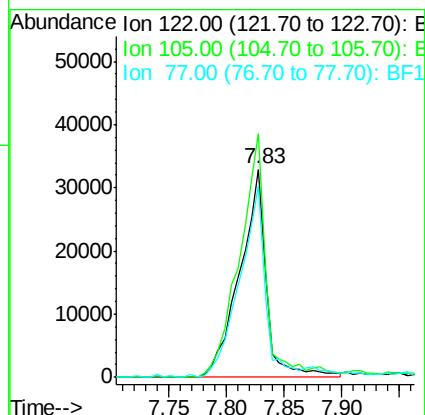
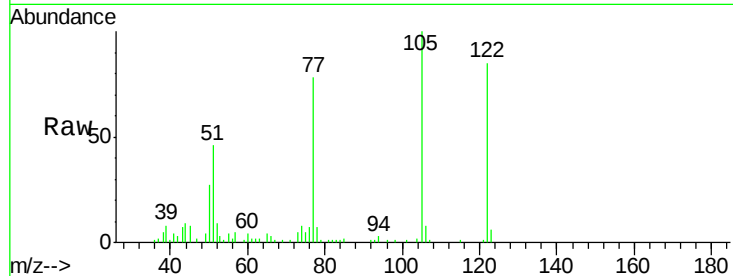




#32  
Benzoic acid  
Concen: 4.03 ng  
RT: 7.83 min Scan# 976  
Delta R.T. -0.07 min  
Lab File: BF119456.D  
Acq: 19 Mar 2020 23:50

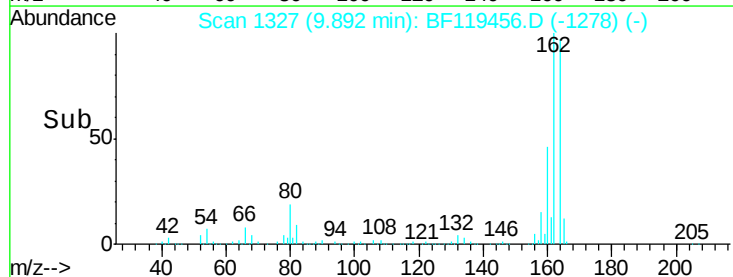
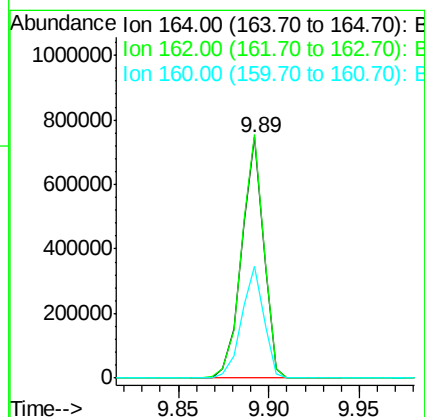
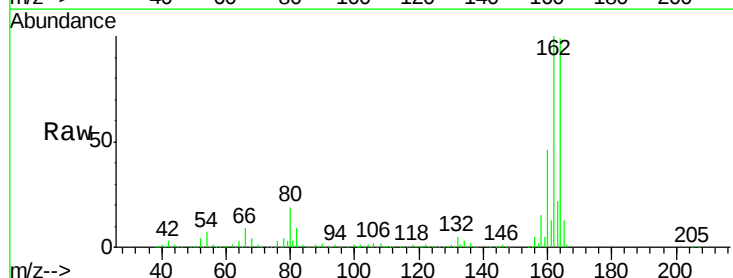
Instrument :  
BNA\_F  
ClientSampled :  
TP-10-SA

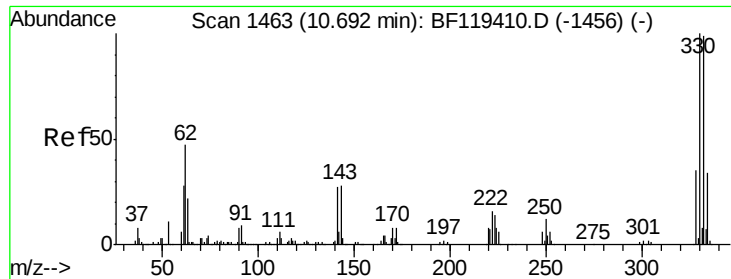
Tgt Ion:122 Resp: 52484  
Ion Ratio Lower Upper  
122 100  
105 117.2 102.9 142.9  
77 92.0 70.1 110.1



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF119456.D  
Acq: 19 Mar 2020 23:50

Tgt Ion:164 Resp: 627527  
Ion Ratio Lower Upper  
164 100  
162 101.3 80.7 121.1  
160 46.5 35.5 53.3





#42

2,4,6-Tribromophenol

Concen: 122.84 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Instrument :

BNA\_F

ClientSampleId :

TP-10-SA

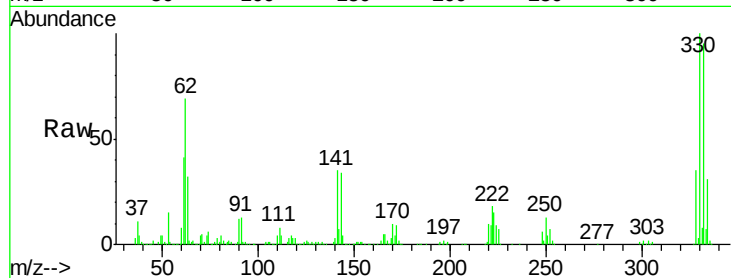
Tgt Ion:330 Resp: 795238

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

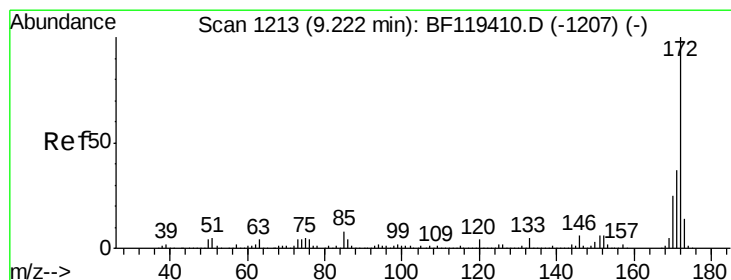
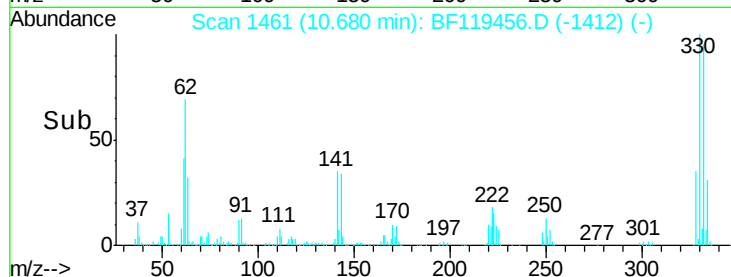
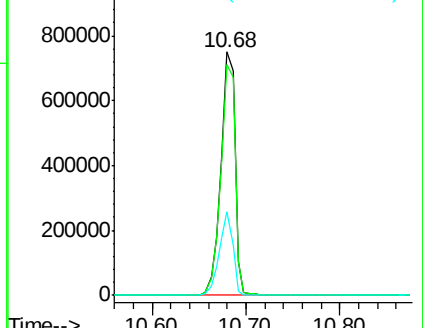
141 32.6 26.6 40.0



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: 83.59 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

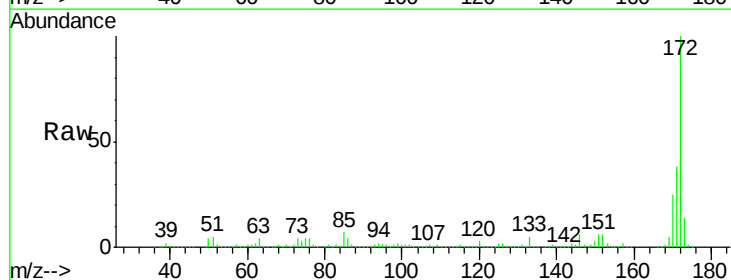
Tgt Ion:172 Resp: 3540687

Ion Ratio Lower Upper

172 100

171 37.9 29.9 44.9

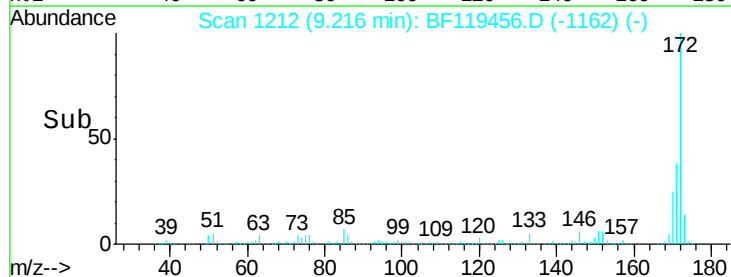
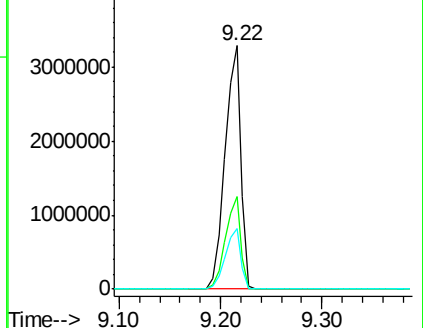
170 25.1 20.1 30.1

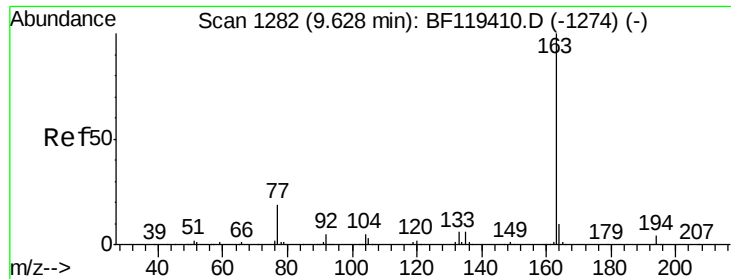


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

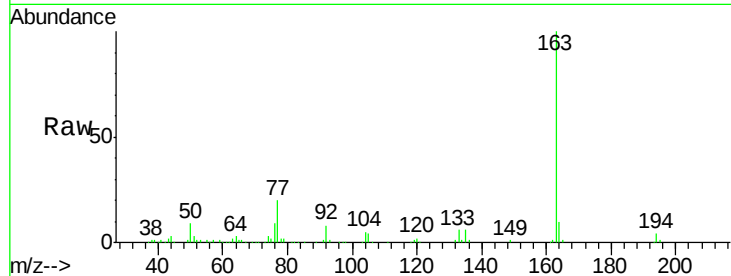




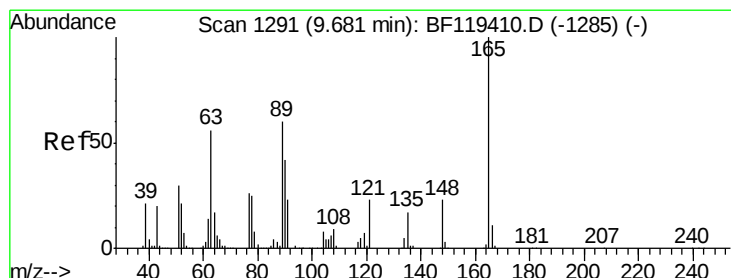
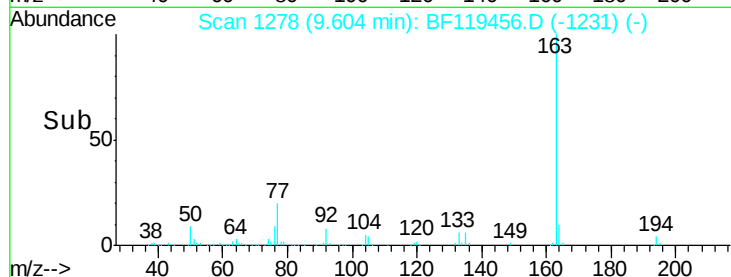
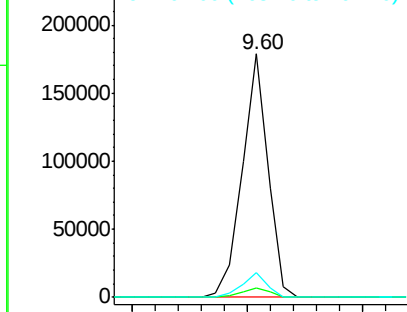
#50  
Dimethylphthalate  
Concen: 3.13 ng  
RT: 9.60 min Scan# 1278  
Delta R.T. -0.02 min  
Lab File: BF119456.D  
Acq: 19 Mar 2020 23:50

Instrument :  
BNA\_F  
ClientSampleId :  
TP-10-SA

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.2   | 4.8   |
| 164     | 10.0  | 8.1   | 12.1  |

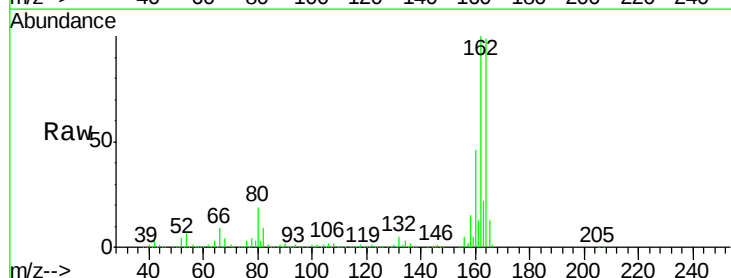


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

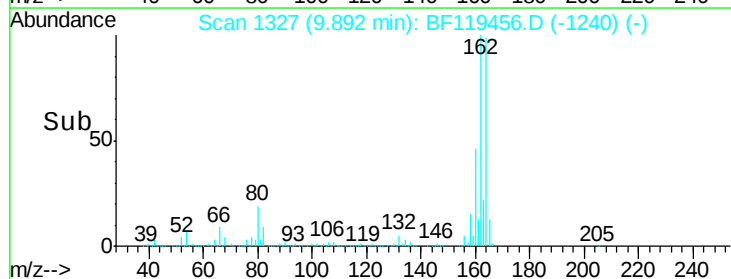
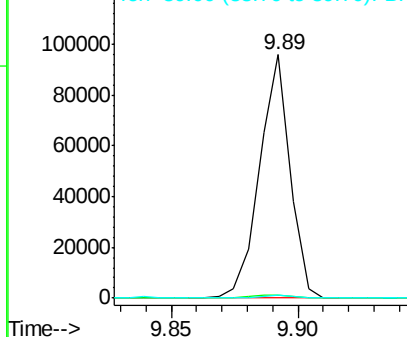


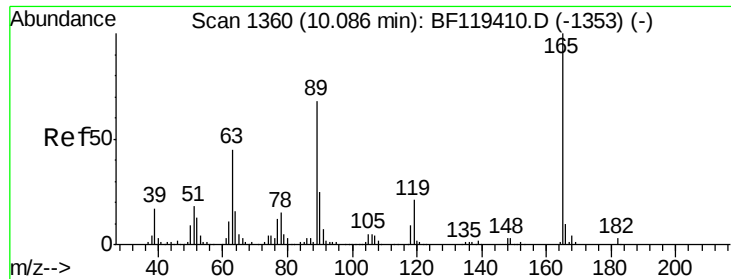
#51  
2,6-Dinitrotoluene  
Concen: 8.36 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. 0.21 min  
Lab File: BF119456.D  
Acq: 19 Mar 2020 23:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 57.3  | 85.9# |
| 89      | 1.3   | 47.8  | 71.8# |



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

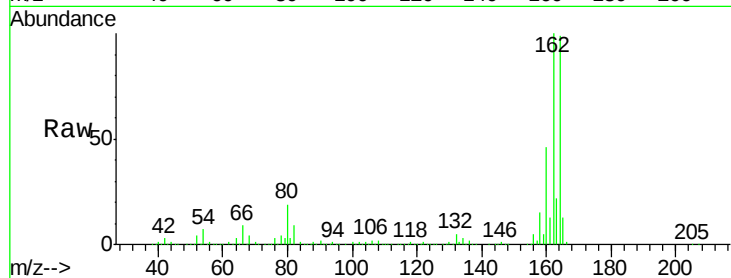




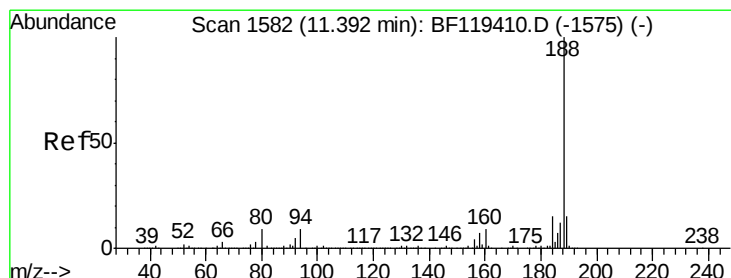
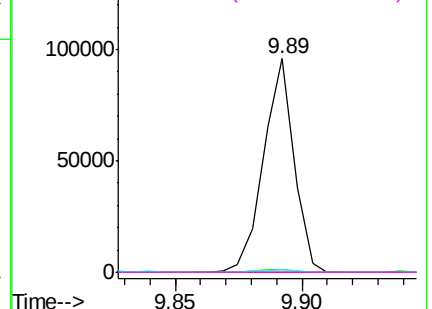
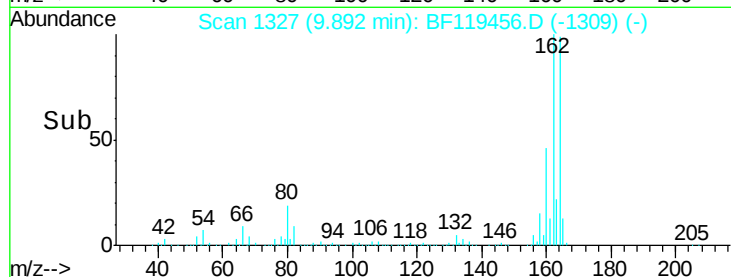
#57  
 2,4-Dinitrotoluene  
 Concen: 6.64 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. -0.19 min  
 Lab File: BF119456.D  
 Acq: 19 Mar 2020 23:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-10-SA

Tgt Ion:165 Resp: 79912  
 Ion Ratio Lower Upper  
 165 100  
 63 1.1 36.2 54.4#  
 89 1.3 54.3 81.5#  
 182 0.0 2.0 3.0#

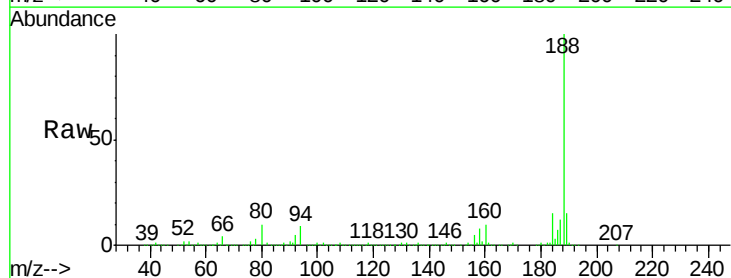


Abundance Ion 165.00 (164.70 to 165.70): E  
 150000  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

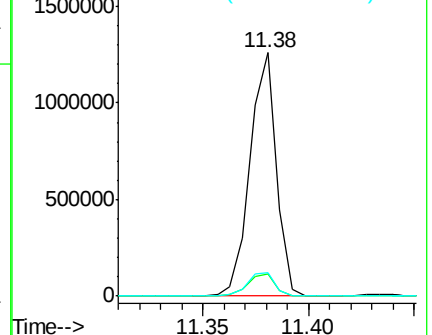
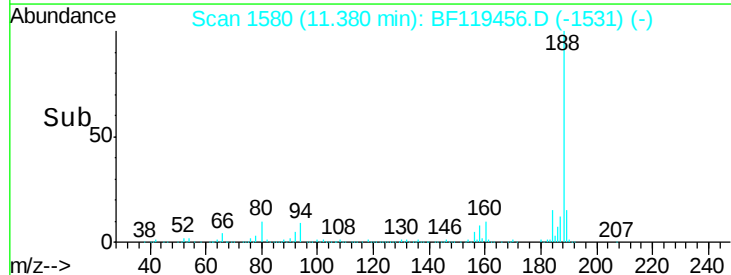


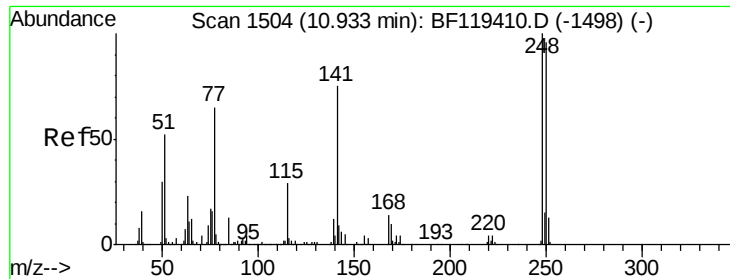
#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.01 min  
 Lab File: BF119456.D  
 Acq: 19 Mar 2020 23:50

Tgt Ion:188 Resp: 1091887  
 Ion Ratio Lower Upper  
 188 100  
 94 9.1 7.1 10.7  
 80 9.7 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E  
 1500000  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

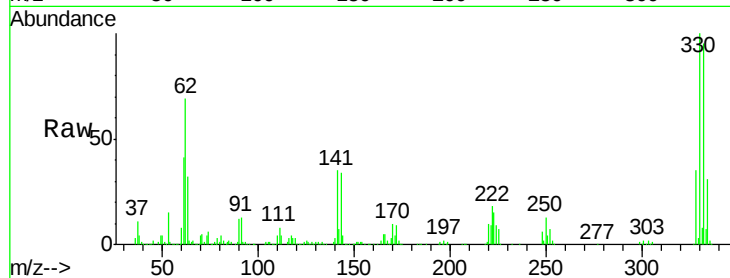




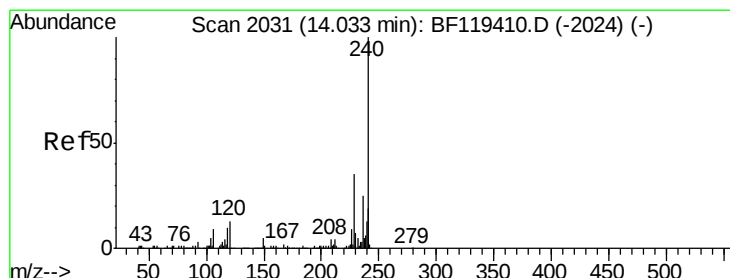
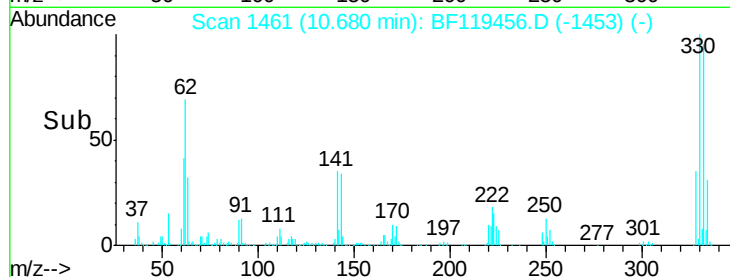
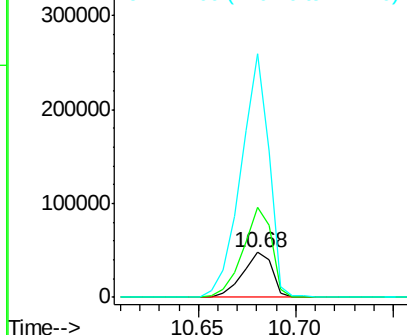
#67  
4-Bromophenyl-phenylether  
Concen: 4.03 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. -0.25 min  
Lab File: BF119456.D  
Acq: 19 Mar 2020 23:50

Instrument :  
BNA\_F  
ClientSampleId :  
TP-10-SA

Tgt Ion:248 Resp: 50163  
Ion Ratio Lower Upper  
248 100  
250 201.5 77.0 115.6#  
141 545.1 59.7 89.5#

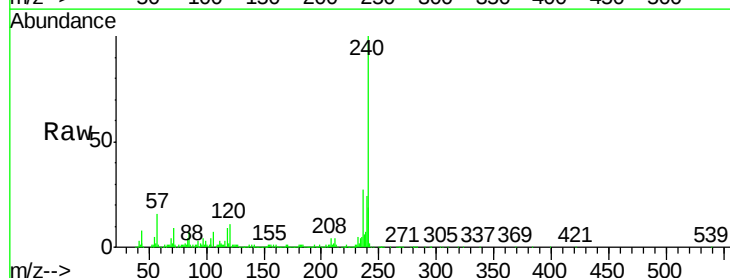


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

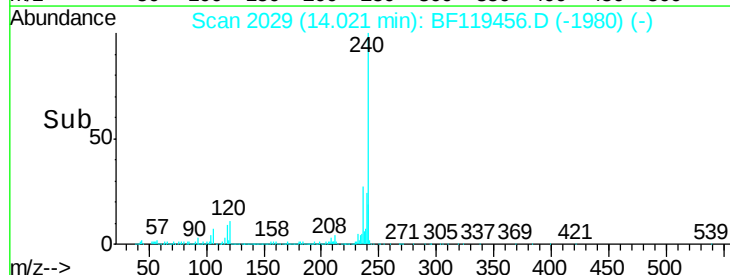
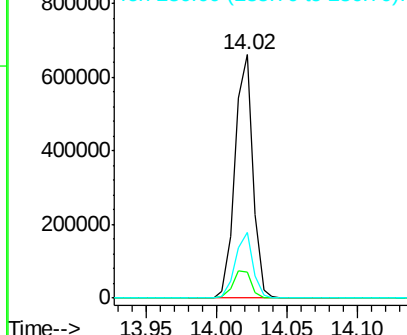


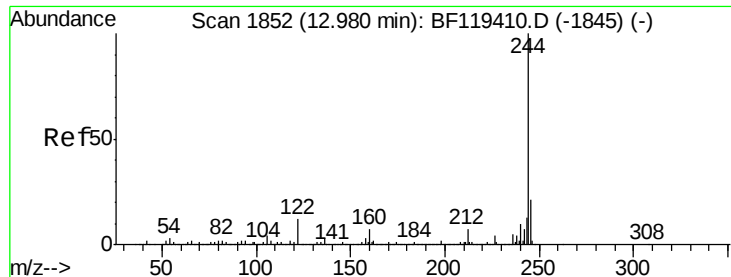
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.01 min  
Lab File: BF119456.D  
Acq: 19 Mar 2020 23:50

Tgt Ion:240 Resp: 584645  
Ion Ratio Lower Upper  
240 100  
120 10.6 10.2 15.4  
236 27.0 20.4 30.6



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: 104.60 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

Instrument :

BNA\_F

ClientSampleId :

TP-10-SA

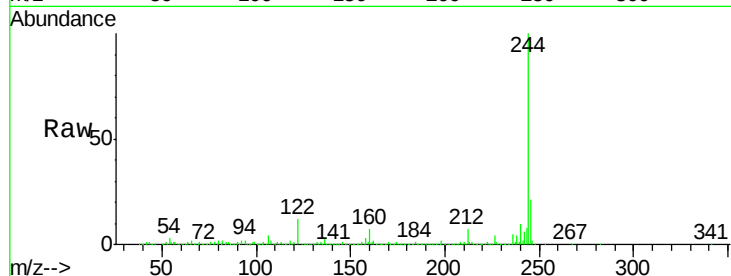
Tgt Ion:244 Resp: 3121436

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

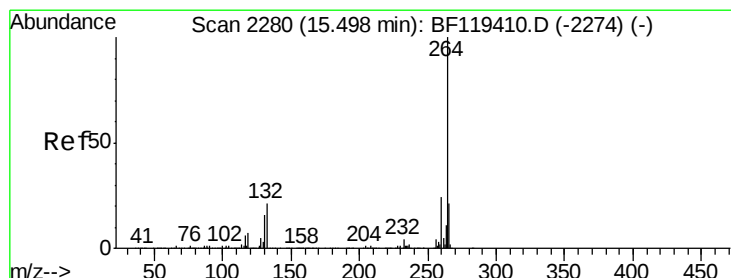
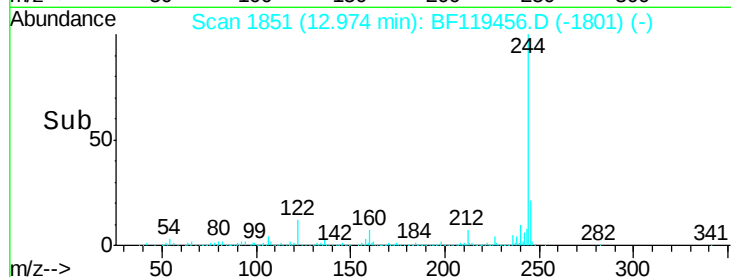
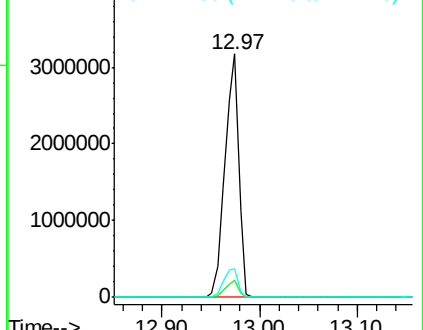
122 11.9 9.8 14.8



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: 20.00 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF119456.D

Acq: 19 Mar 2020 23:50

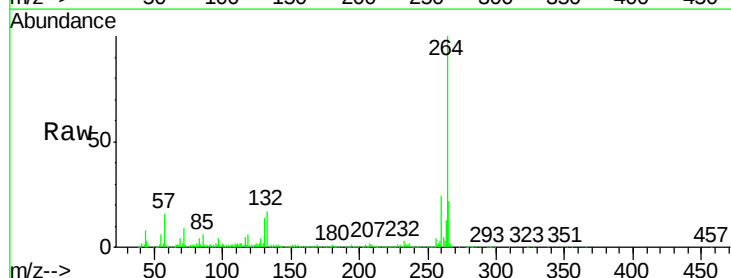
Tgt Ion:264 Resp: 667664

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 22.4 16.9 25.3



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

