

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\  
 Data File : BF121612.D  
 Acq On : 18 Sep 2020 12:55  
 Operator : JU/CG  
 Sample : L4062-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EROC-NI4-2

Quant Time: Sep 18 13:20:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 10 16:47:54 2020  
 Response via : Initial Calibration

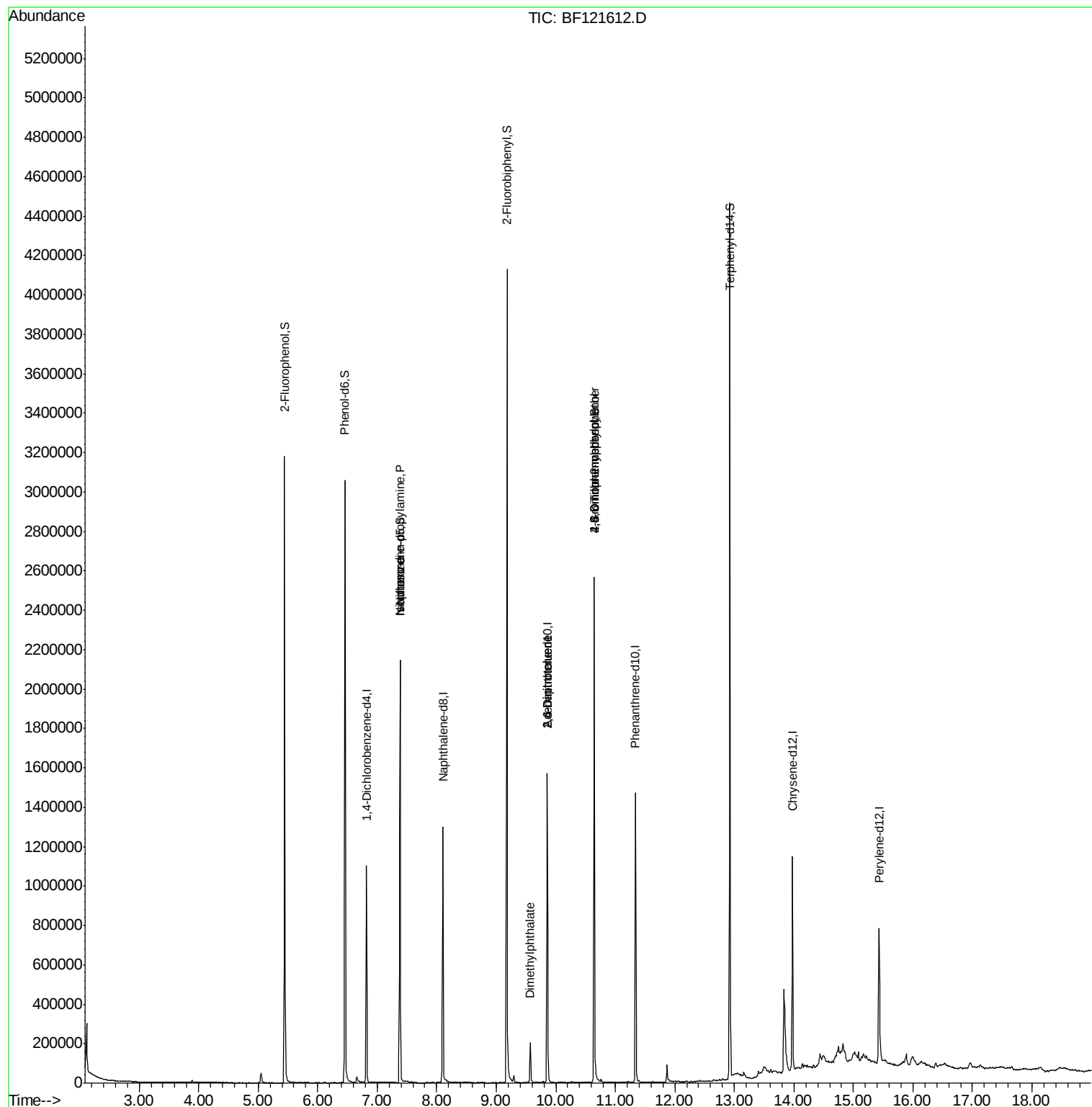
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 150752   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.10  | 136  | 591745   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.86  | 164  | 308038   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.34 | 188  | 570460   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 13.97 | 240  | 395280   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.43 | 264  | 340559   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 904029   | 89.12  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 1183565  | 88.93  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 807865   | 73.30  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.65 | 330  | 361531   | 94.43  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.18  | 172  | 1436305  | 70.62  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.93 | 244  | 1437011  | 73.65  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 108889   | 14.197 | ng    | # 76     |
| 25) Isophorone                 | 7.39  | 82   | 797902   | 35.965 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.57  | 163  | 95844    | 4.293  | ng    | # 98     |
| 51) 2,6-Dinitrotoluene         | 9.86  | 165  | 39264    | 8.258  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene         | 9.86  | 165  | 39264    | 6.564  | ng    | # 23     |
| 65) 4,6-Dinitro-2-methylphenol | 10.65 | 198  | 606      | 7.001  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 21029    | 3.238  | ng    | # 1      |

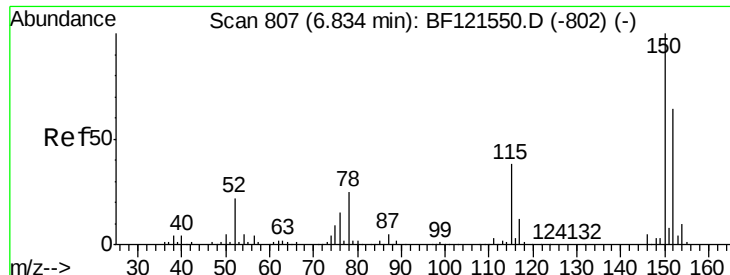
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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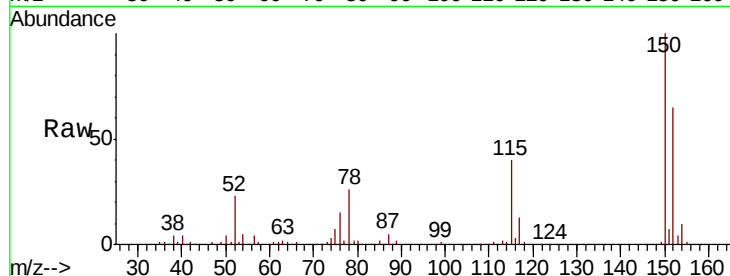


#1

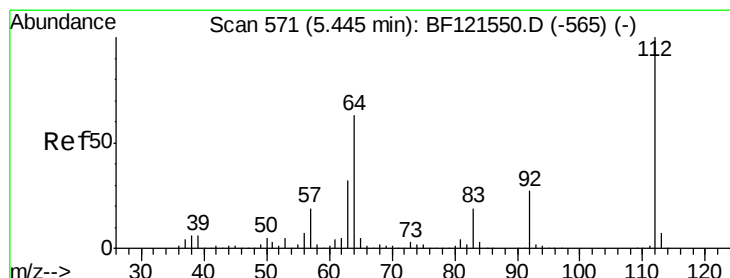
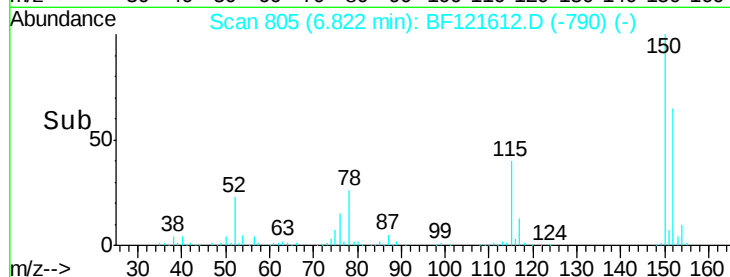
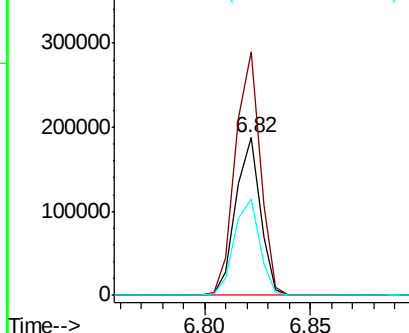
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: BF121612.D  
Acq: 18 Sep 2020 12:55

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-NI4-2

Tot Ion:152 Resp: 150752  
Ion Ratio Lower Upper  
152 100  
150 154.3 125.8 188.6  
115 61.1 47.8 71.8



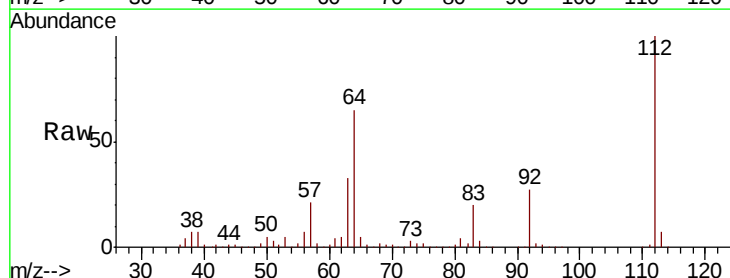
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



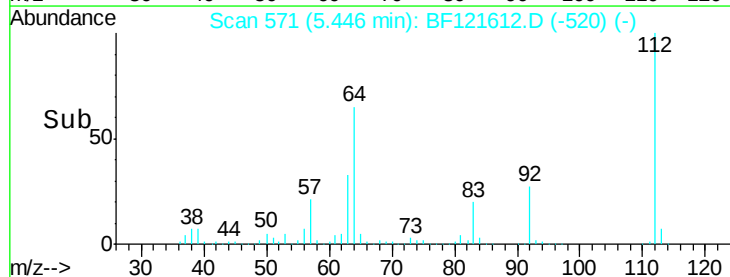
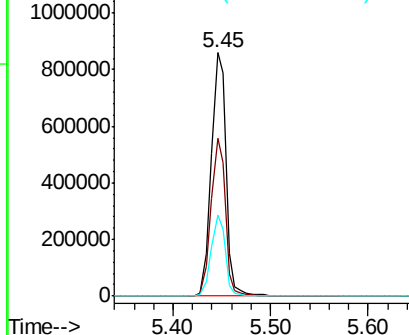
#5

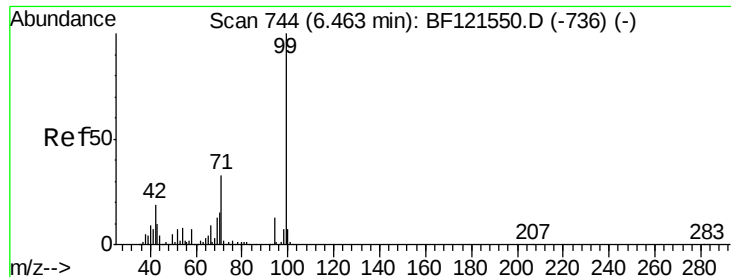
2-Fluorophenol  
Concen: 89.120 ng  
RT: 5.45 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: BF121612.D  
Acq: 18 Sep 2020 12:55

Tgt Ion:112 Resp: 904029  
Ion Ratio Lower Upper  
112 100  
64 64.8 50.3 75.5  
63 33.3 25.6 38.4



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: 88.935 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

Instrument :

BNA\_F

ClientSampleId :

EROC-NI4-2

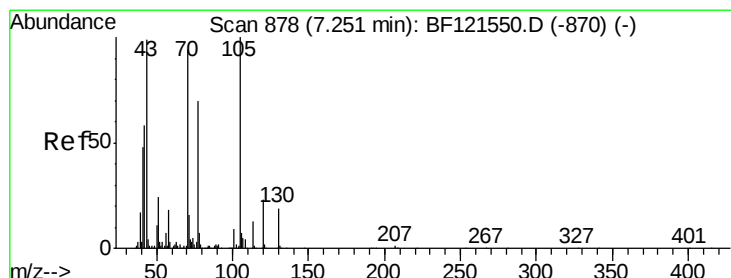
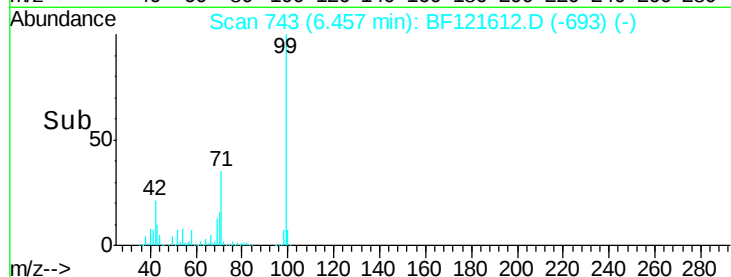
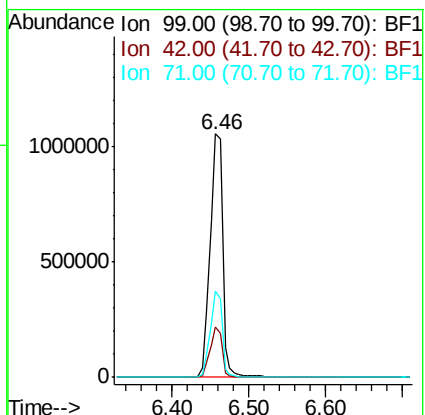
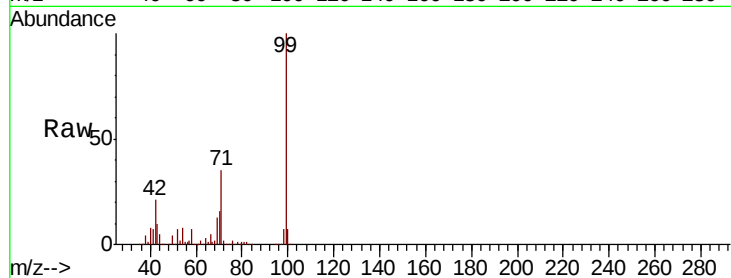
Tot Ion: 99 Resp: 1183565

Ion Ratio Lower Upper

99 100

42 20.7 15.5 23.3

71 35.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.197 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

Tgt Ion: 70 Resp: 108889

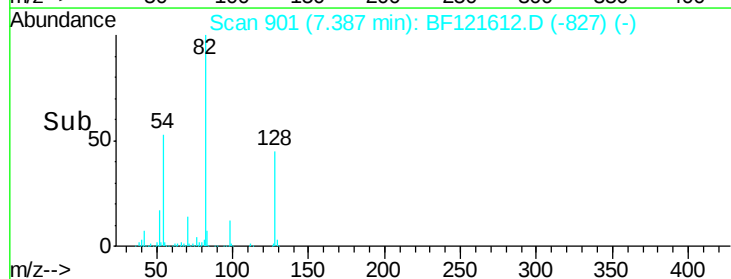
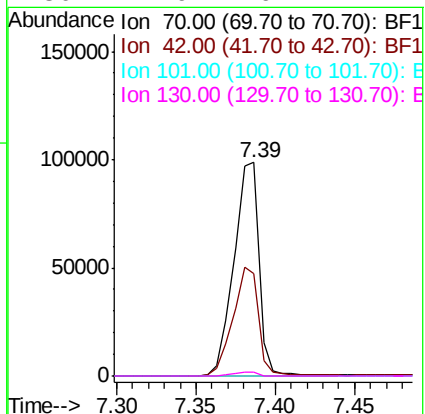
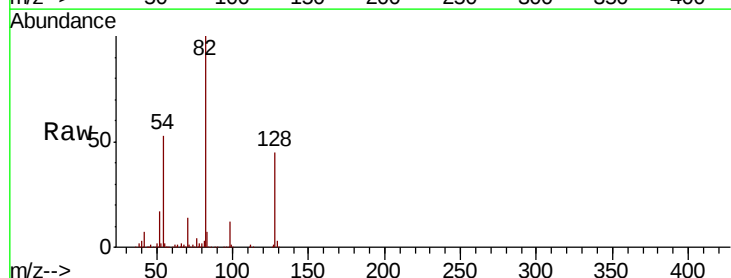
Ion Ratio Lower Upper

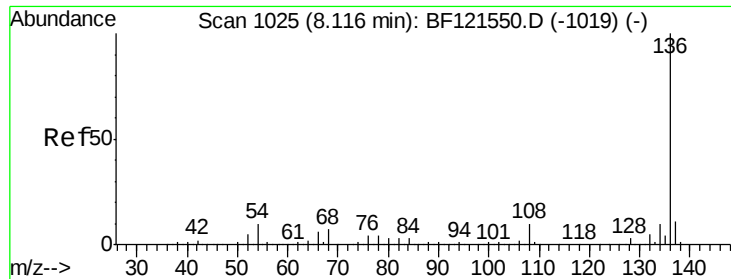
70 100

42 48.0 49.4 74.2#

101 0.0 7.6 11.4#

130 1.9 16.2 24.4#

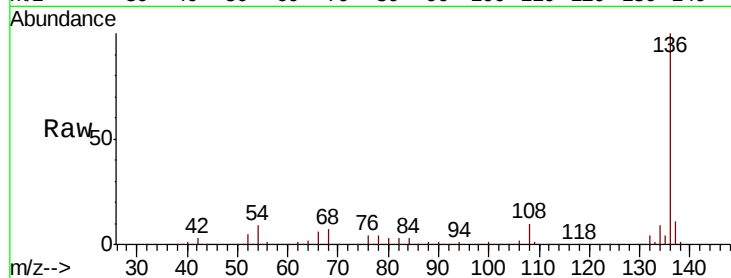




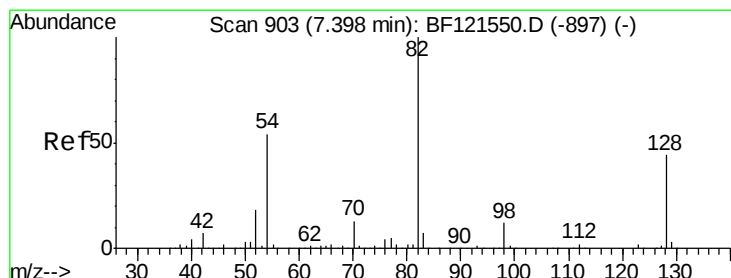
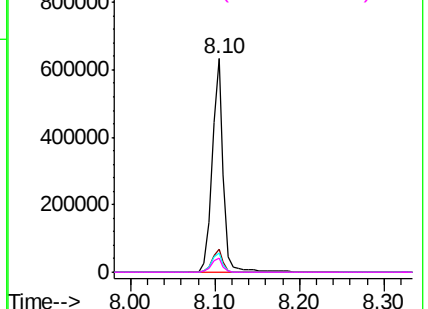
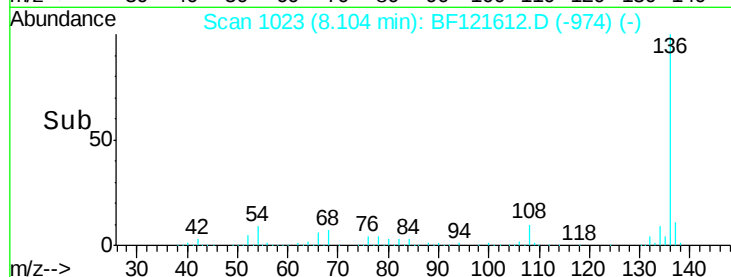
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BF121612.D  
Acq: 18 Sep 2020 12:55

Instrument :  
BNA\_F  
ClientSampleId :  
EROC-NI4-2

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 591745      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 9.0 13.6    |
| 54          | 9.0   | 7.6 11.4    |
| 68          | 6.7   | 5.7 8.5     |

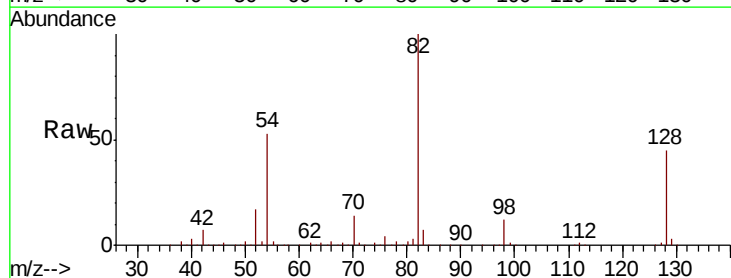


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

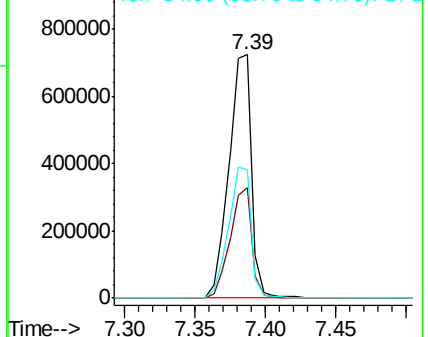
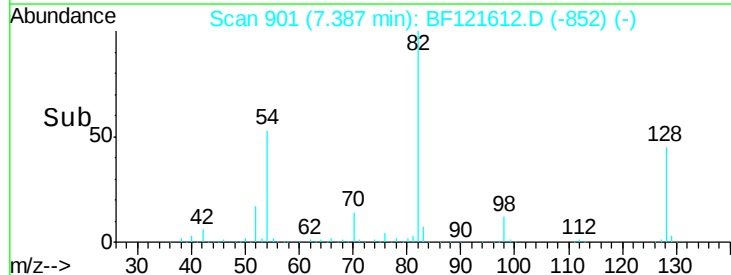


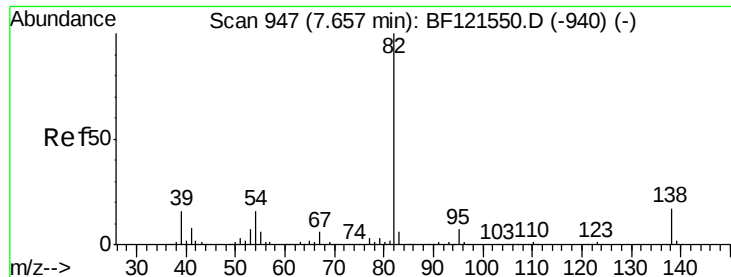
#23  
Nitrobenzene-d5  
Concen: 73.301 ng  
RT: 7.39 min Scan# 901  
Delta R.T. -0.01 min  
Lab File: BF121612.D  
Acq: 18 Sep 2020 12:55

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 807865      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.4  | 35.1 52.7   |
| 54          | 52.6  | 43.0 64.6   |



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: 35.965 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

Instrument :

BNA\_F

ClientSampleId :

EROC-NI4-2

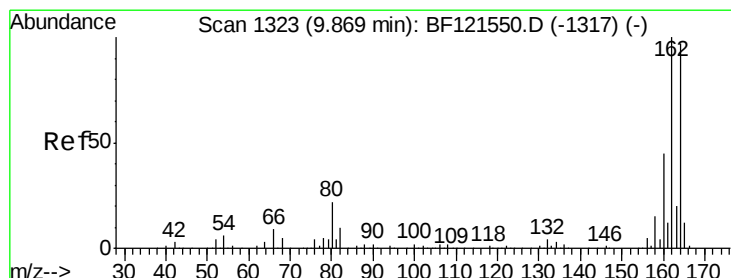
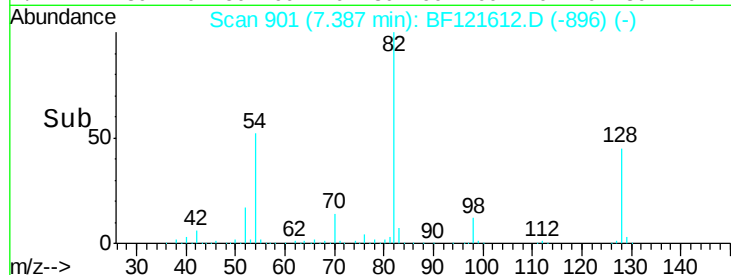
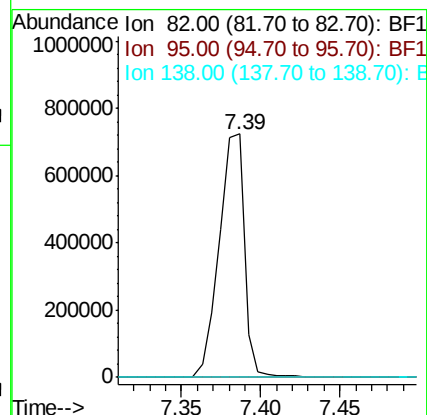
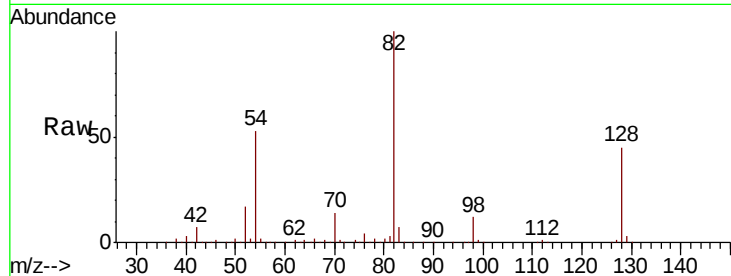
Tot Ion: 82 Resp: 797902

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.7 20.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

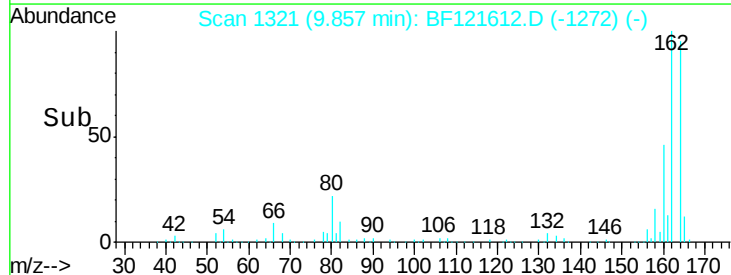
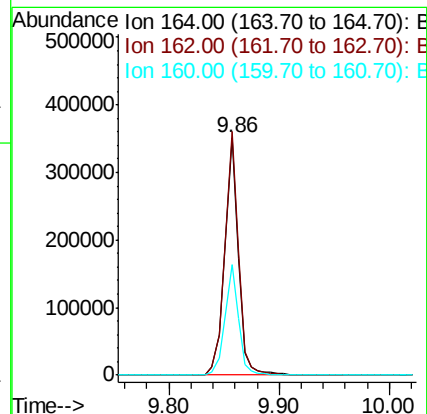
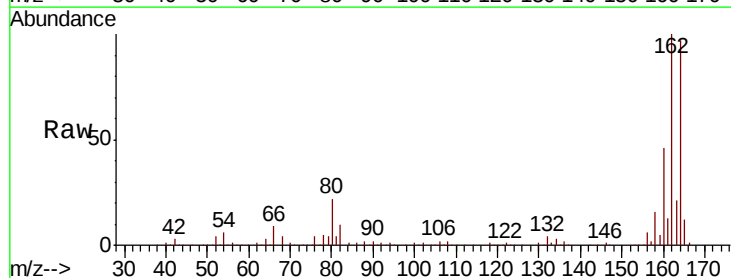
Tgt Ion: 164 Resp: 308038

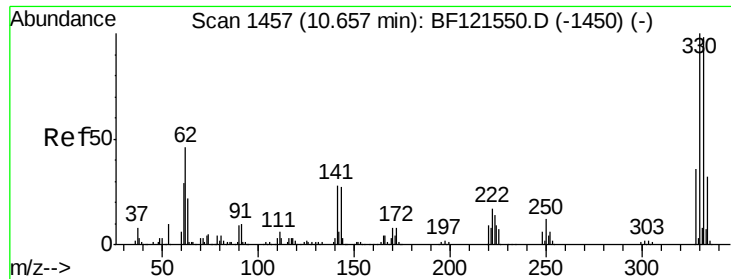
Ion Ratio Lower Upper

164 100

162 102.6 82.3 123.5

160 46.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 94.432 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

Instrument :

BNA\_F

ClientSampleId :

EROC-NI4-2

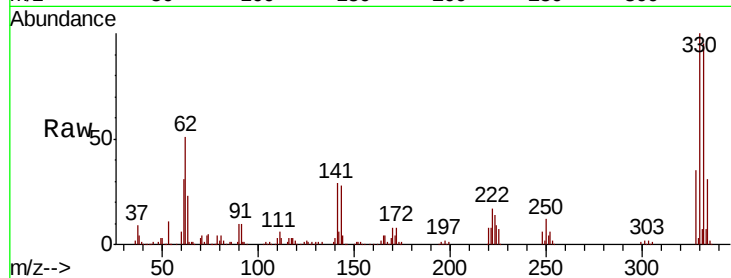
Tot Ion:330 Resp: 361531

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

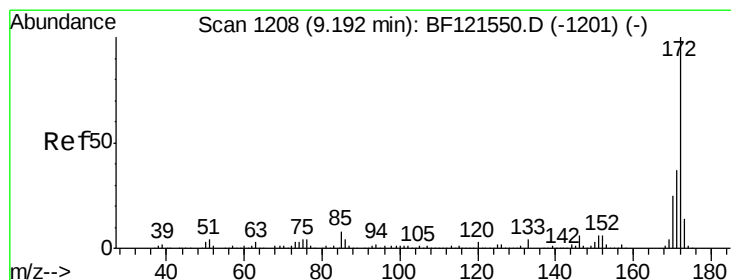
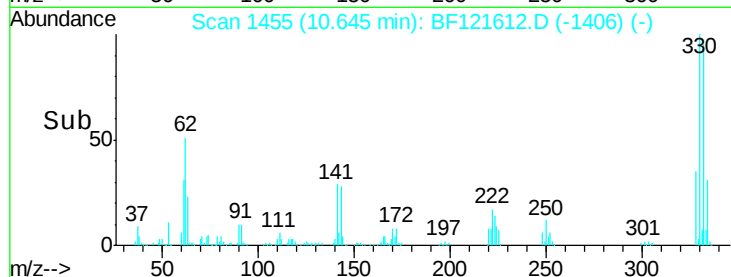
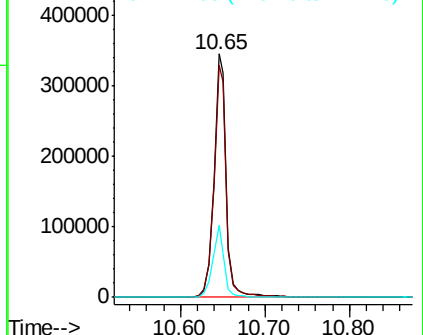
141 27.9 23.6 35.4



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: 70.619 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

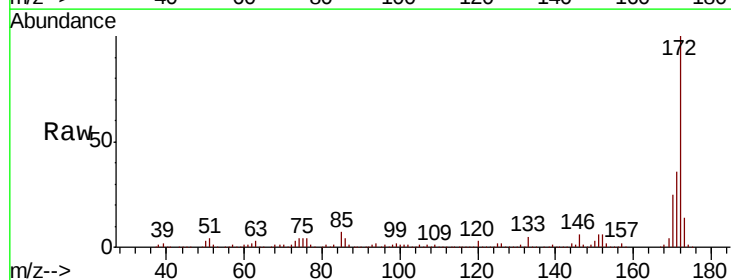
Tgt Ion:172 Resp: 1436305

Ion Ratio Lower Upper

172 100

171 36.3 29.8 44.6

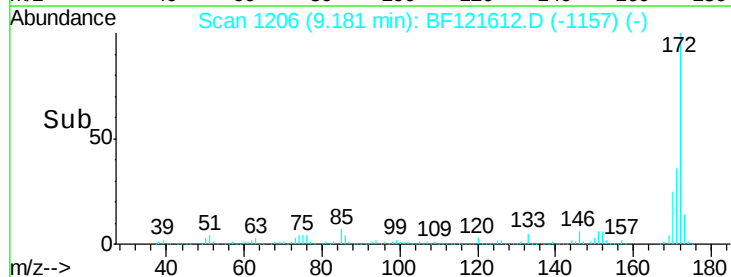
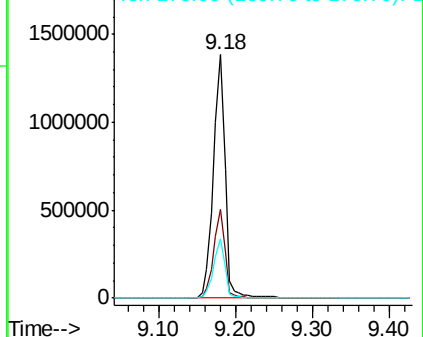
170 24.5 19.8 29.8

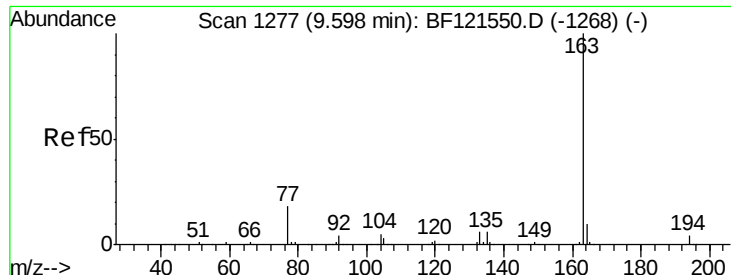


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.293 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.03 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

Instrument :

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EROC-NI4-2

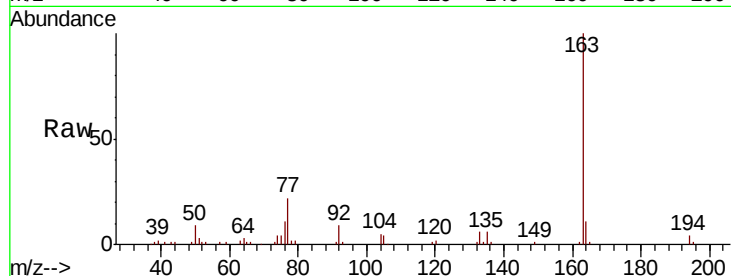
Tot Ion:163 Resp: 95844

Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.0

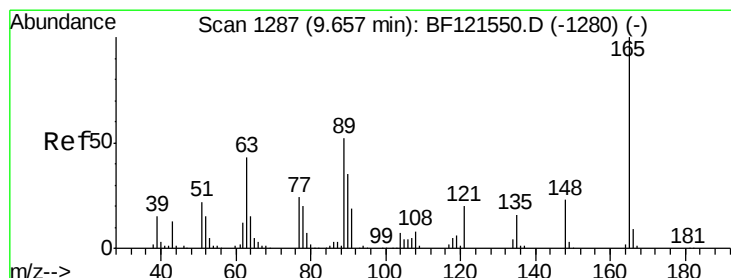
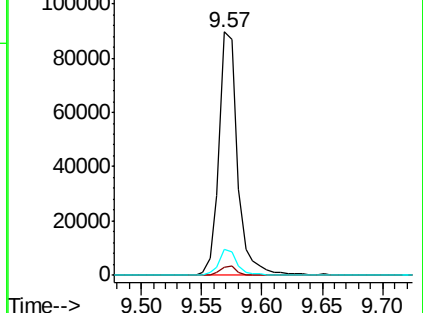
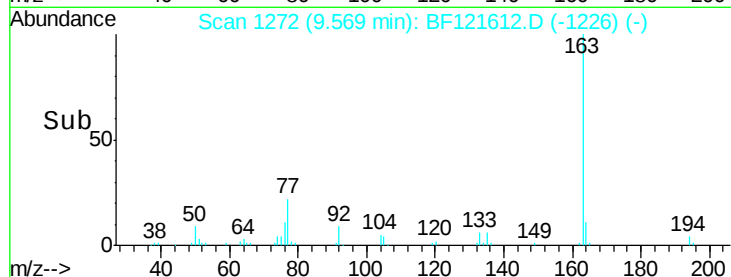
164 10.6 7.9 11.9



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: 8.258 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.20 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

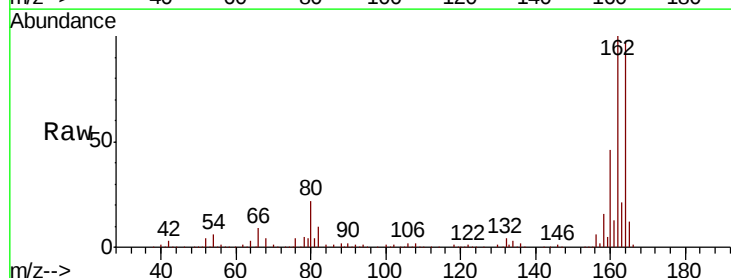
Tgt Ion:165 Resp: 39264

Ion Ratio Lower Upper

165 100

63 1.4 40.6 61.0#

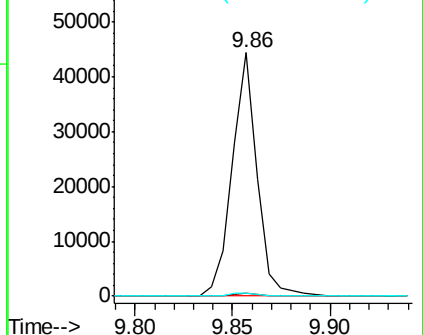
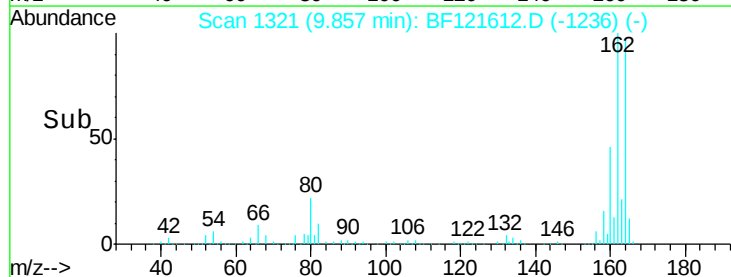
89 1.5 41.8 62.8#

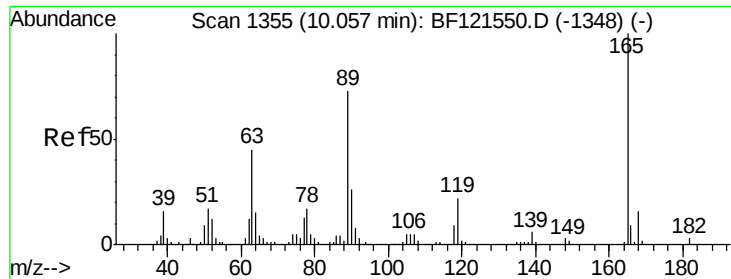


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.564 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.20 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

Instrument :

BNA\_F

ClientSampleId :

EROC-NI4-2

Tot Ion:165 Resp: 39264

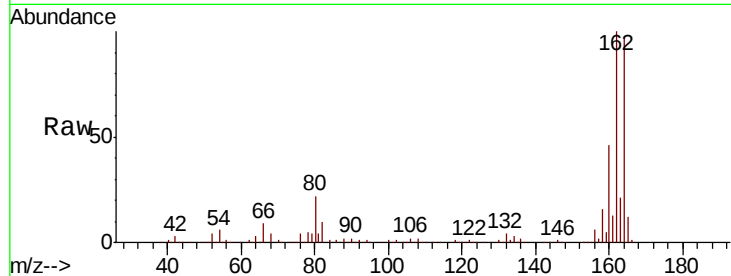
Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

89 1.5 58.2 87.4#

182 0.0 2.2 3.2#

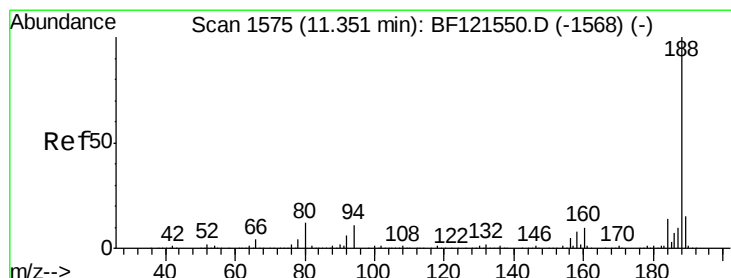
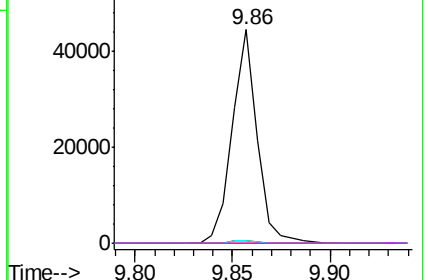
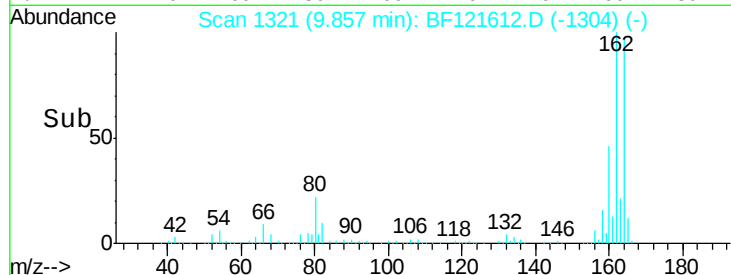


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF121612.D

Acq: 18 Sep 2020 12:55

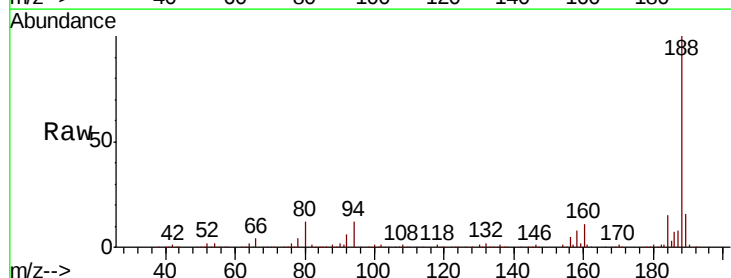
Tgt Ion:188 Resp: 570460

Ion Ratio Lower Upper

188 100

94 11.8 8.7 13.1

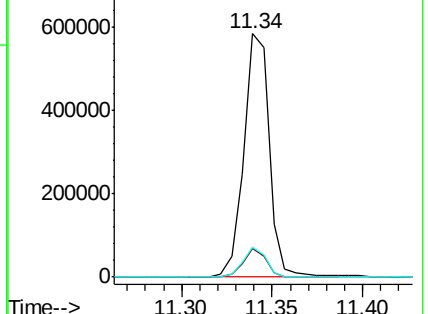
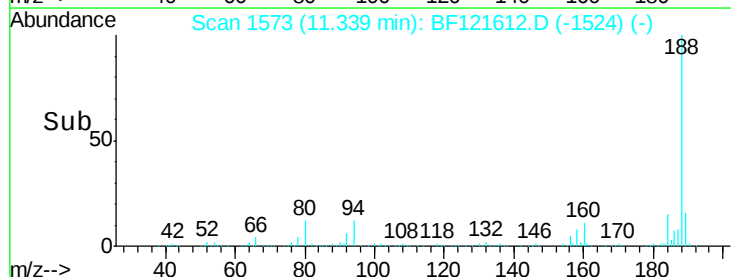
80 12.4 9.3 13.9

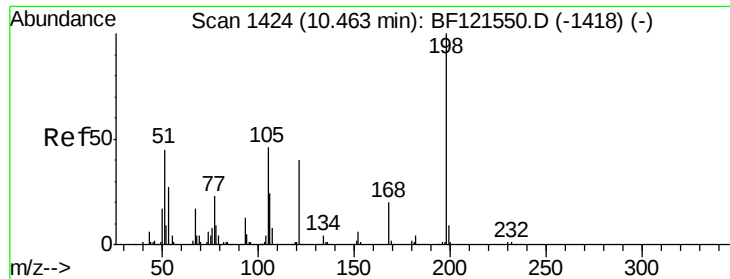


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

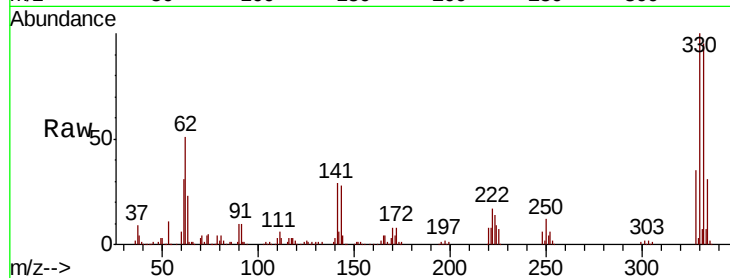




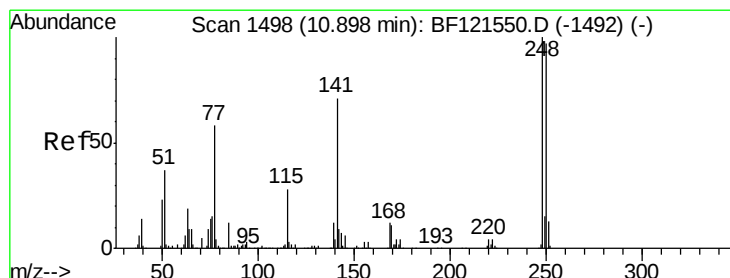
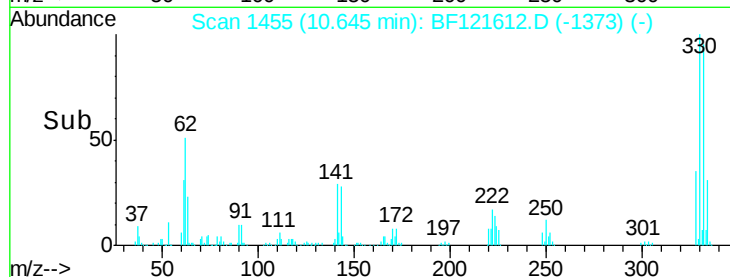
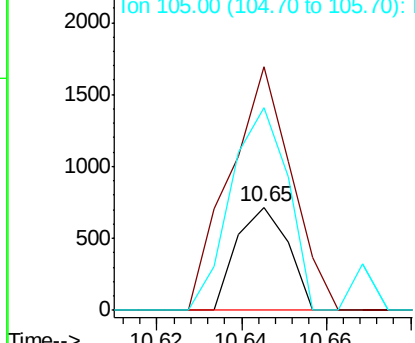
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.001 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. 0.18 min  
 Lab File: BF121612.D  
 Acq: 18 Sep 2020 12:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EROC-NI4-2

Tot Ion:198 Resp: 606  
 Ion Ratio Lower Upper  
 198 100  
 51 236.0 31.1 71.1#  
 105 196.7 26.6 66.6#

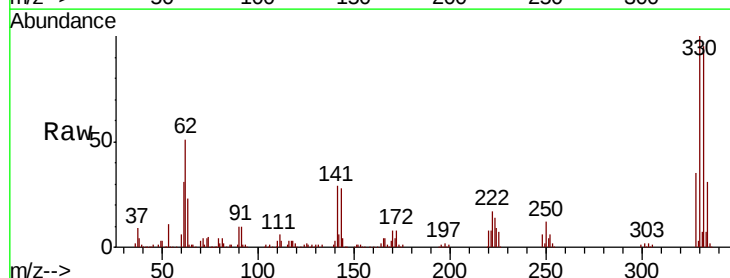


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

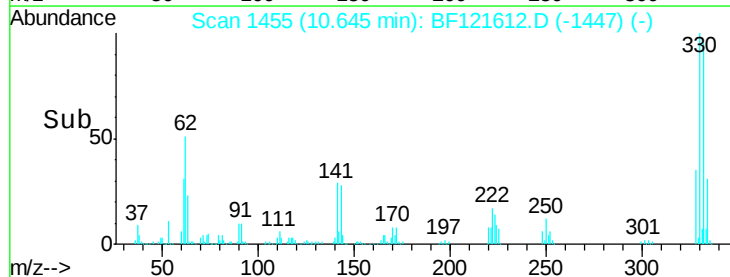
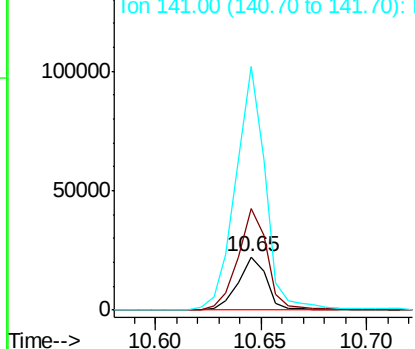


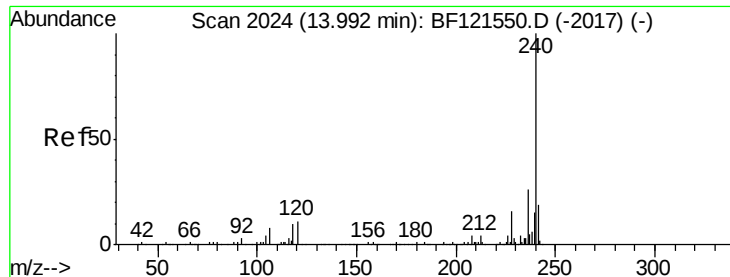
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.238 ng  
 RT: 10.65 min Scan# 1455  
 Delta R.T. -0.25 min  
 Lab File: BF121612.D  
 Acq: 18 Sep 2020 12:55

Tgt Ion:248 Resp: 21029  
 Ion Ratio Lower Upper  
 248 100  
 250 192.9 77.4 116.0#  
 141 460.6 56.7 85.1#



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

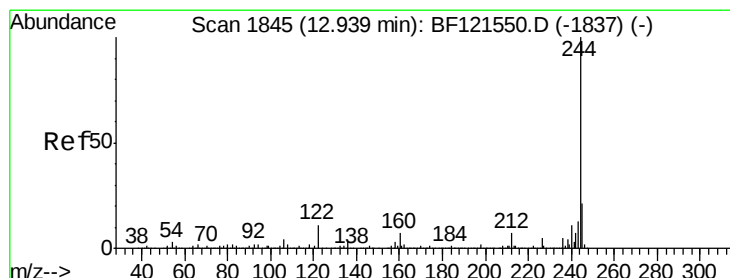
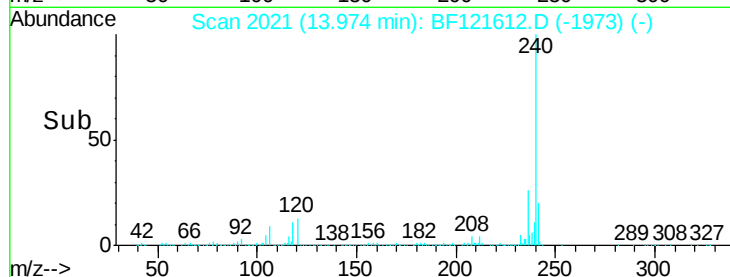
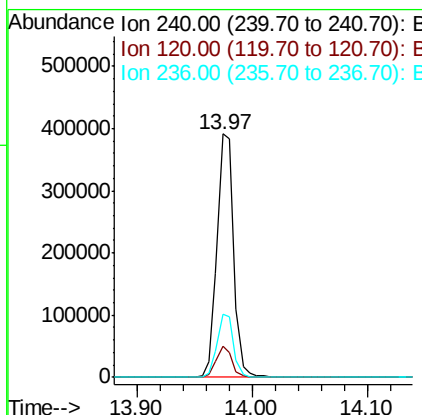
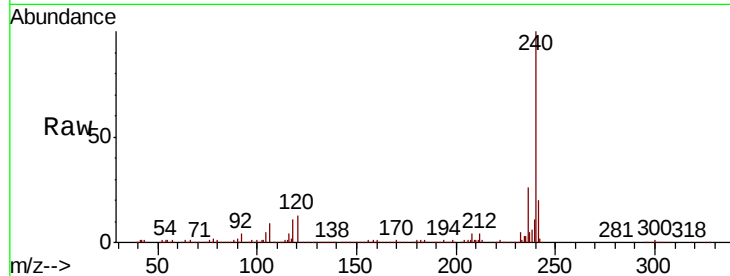




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.02 min  
 Lab File: BF121612.D  
 Acq: 18 Sep 2020 12:55

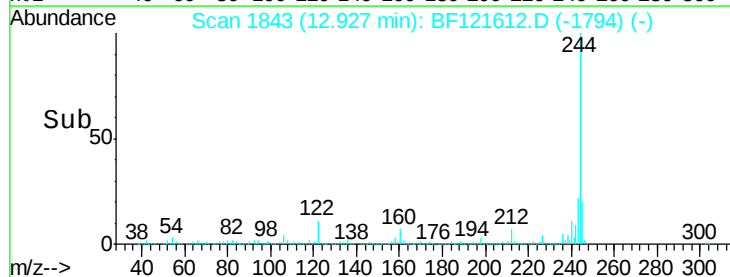
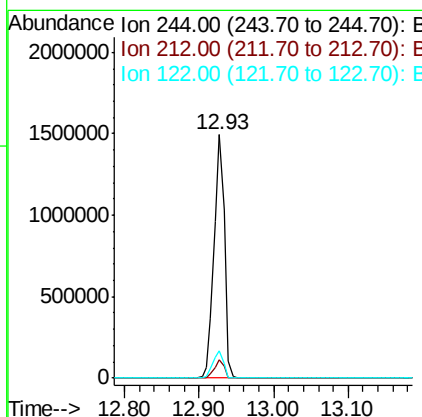
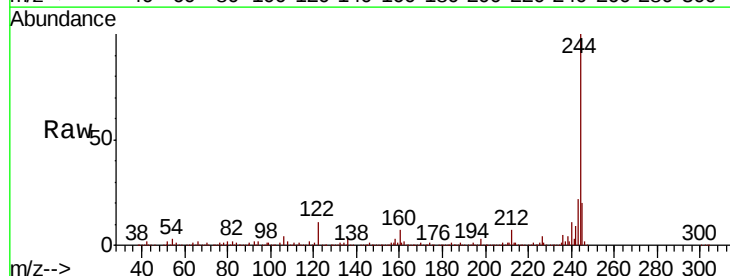
Instrument :  
 BNA\_F  
 ClientSampleID :  
 EROC-NI4-2

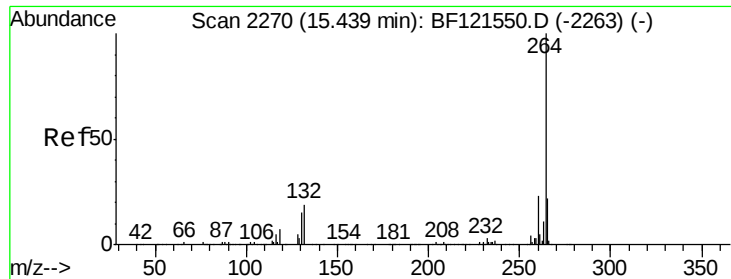
Tot Ion:240 Resp: 395280  
 Ion Ratio Lower Upper  
 240 100  
 120 12.7 9.2 13.8  
 236 25.7 20.5 30.7



#79  
 Terphenyl-d14  
 Concen: 73.650 ng  
 RT: 12.93 min Scan# 1843  
 Delta R.T. -0.01 min  
 Lab File: BF121612.D  
 Acq: 18 Sep 2020 12:55

Tgt Ion:244 Resp: 1437011  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.7 8.5  
 122 11.1 8.7 13.1





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BF121612.D  
Acq: 18 Sep 2020 12:55

Instrument :  
BNA\_F  
ClientSampleId :  
EROCC-NI4-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 18.8  | 28.2  |
| 265     | 20.9  | 17.8  | 26.6  |

