

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092420\  
 Data File : BF121682.D  
 Acq On : 24 Sep 2020 15:18  
 Operator : JU/CG  
 Sample : L4125-14  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 2

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-32

Quant Time: Sep 24 15:44:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 17:53:26 2020  
 Response via : Initial Calibration

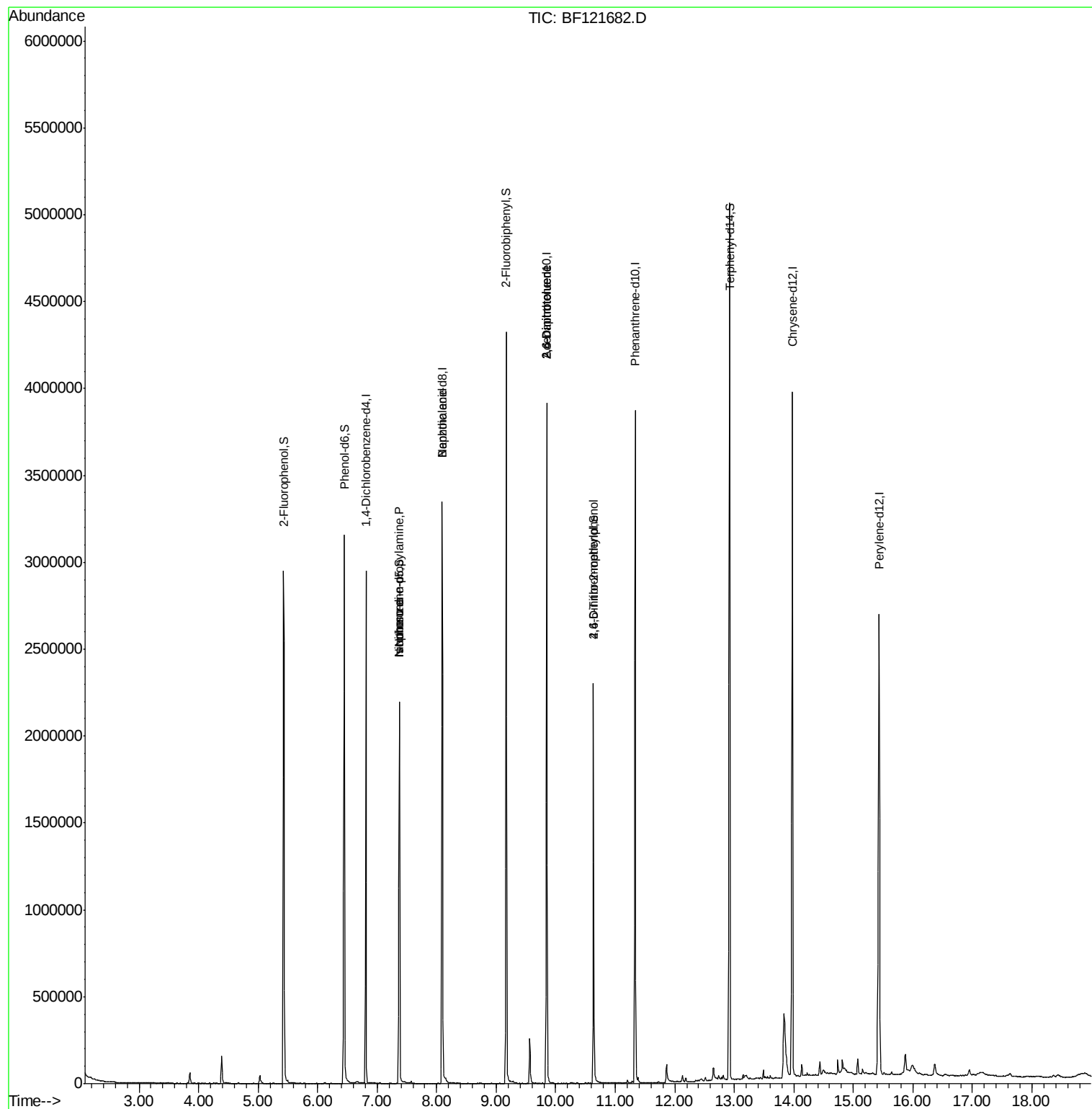
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.81  | 152  | 394605   | 40.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.09  | 136  | 1560674  | 40.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.85  | 164  | 841761   | 40.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.33 | 188  | 1653220  | 40.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.97 | 240  | 1634249  | 40.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.43 | 264  | 1409433  | 40.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 857048   | 64.55  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.45  | 99   | 1109415  | 63.69  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.37  | 82   | 763851   | 52.56  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.63 | 330  | 311071   | 59.47  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 1381569  | 49.72  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.92 | 244  | 1734917  | 43.01  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.37  | 70   | 102018   | 10.163 | ng    | # 78     |
| 25) Isophorone                 | 7.37  | 82   | 757721   | 25.899 | ng    | # 67     |
| 32) Benzoic acid               | 8.09  | 122  | 426      | 13.909 | ng    | # 1      |
| 50) Dimethylphthalate          | 9.56  | 163  | 119567   | 3.920  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.85  | 165  | 109395   | 16.839 | ng    | # 24     |
| 57) 2,4-Dinitrotoluene         | 9.85  | 165  | 109395   | 13.385 | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 10.63 | 198  | 557      | 13.798 | ng    | # 1      |

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 22 17:53:26 2020  
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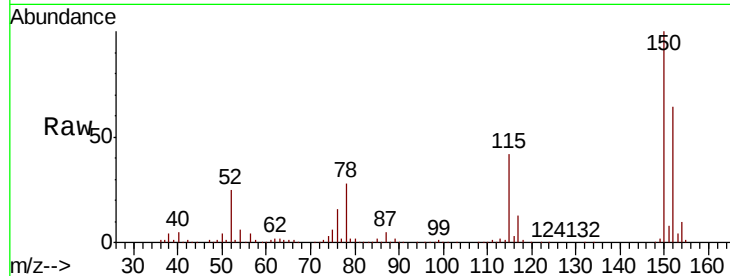


#1

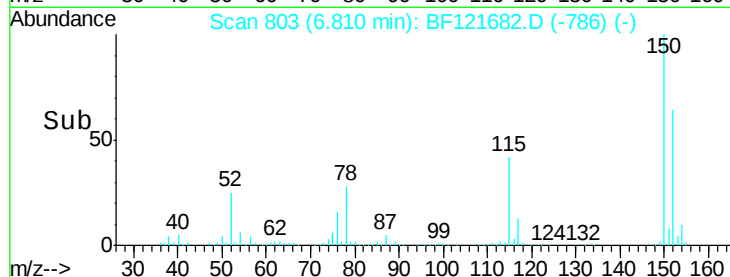
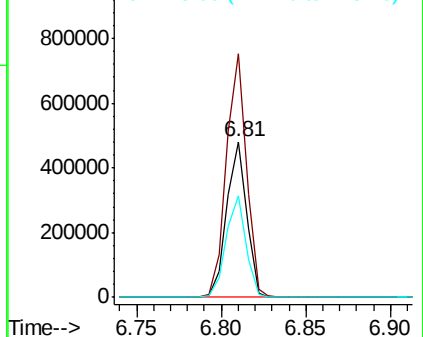
1,4-Dichlorobenzene-d4  
Concen: 40.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.00 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Instrument :  
BNA\_F  
ClientSampled :  
CS-32

Tot Ion:152 Resp: 394605  
Ion Ratio Lower Upper  
152 100  
150 156.1 128.1 192.1  
115 64.8 52.6 79.0



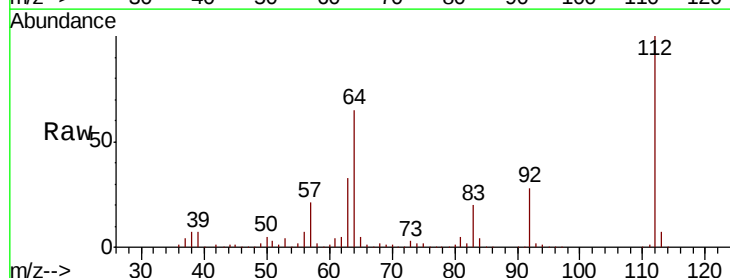
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



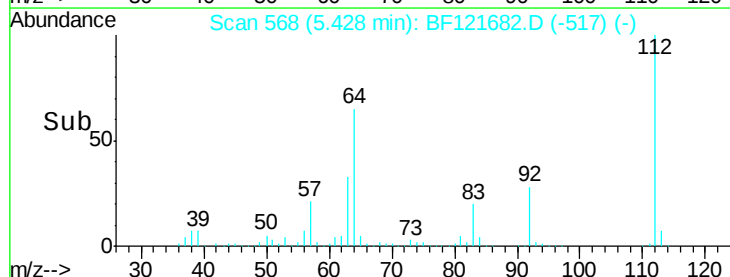
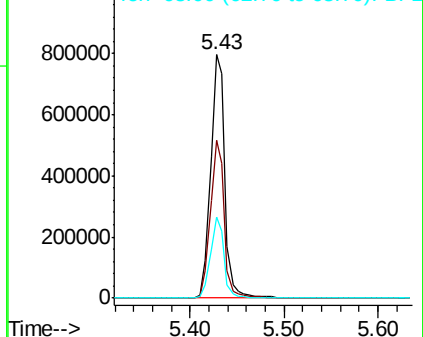
#5

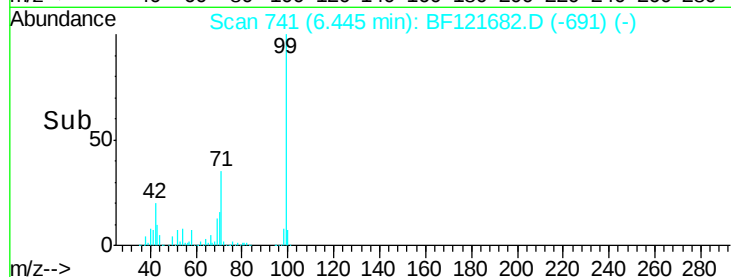
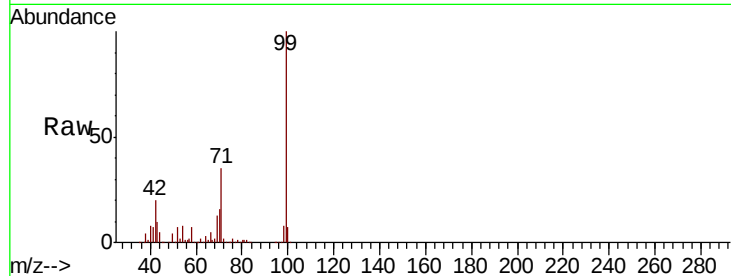
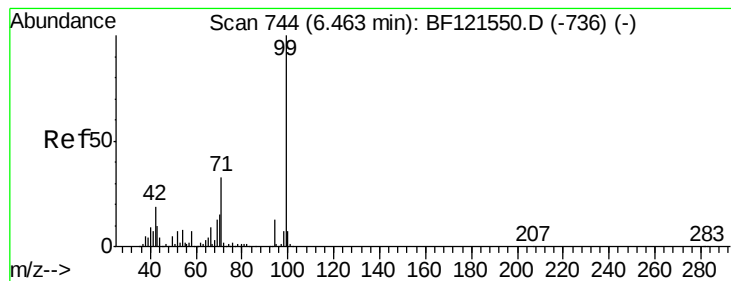
2-Fluorophenol  
Concen: 64.555 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Tgt Ion:112 Resp: 857048  
Ion Ratio Lower Upper  
112 100  
64 65.1 52.2 78.2  
63 33.3 26.6 39.8



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: 63.695 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

Instrument :

BNA\_F

ClientSampleId :

CS-32

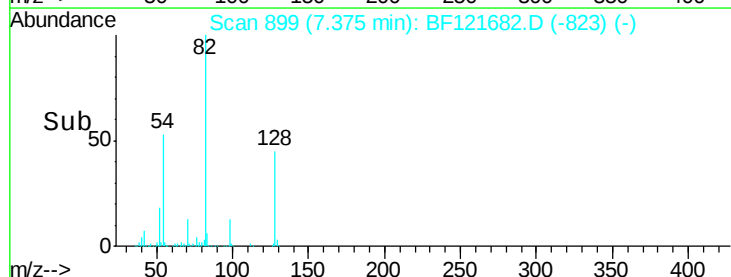
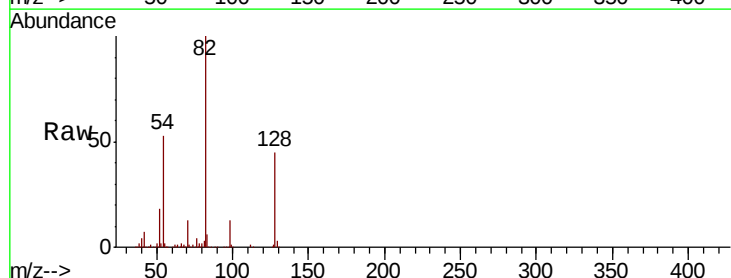
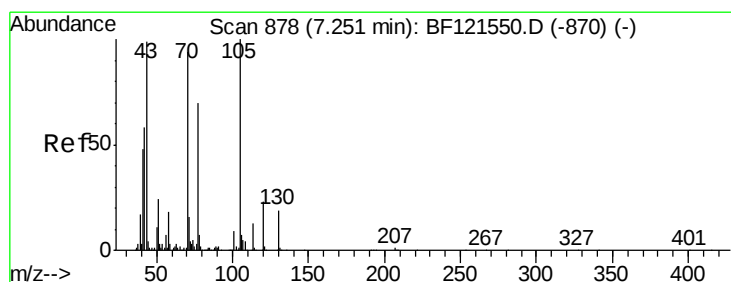
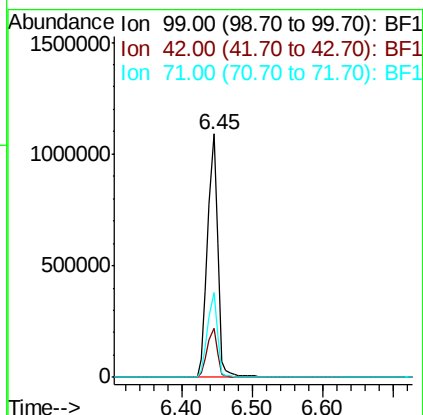
Tot Ion: 99 Resp: 1109415

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 35.1 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.163 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

Tgt Ion: 70 Resp: 102018

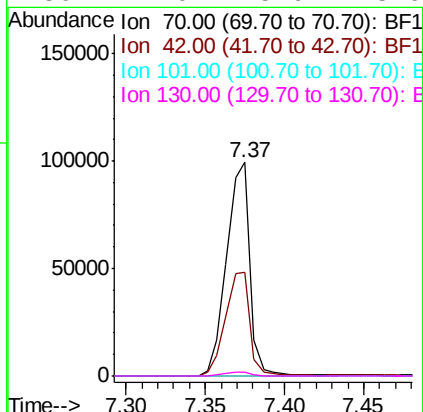
Ion Ratio Lower Upper

70 100

42 48.6 48.3 72.5

101 0.0 7.6 11.4#

130 2.0 15.9 23.9#



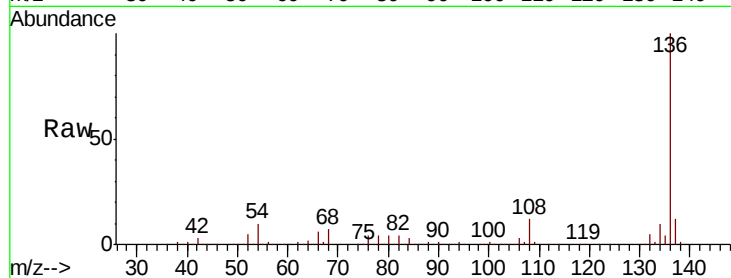


#21  
Naphthalene-d8  
Concen: 40.000 ng  
RT: 8.09 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Instrument :  
BNA\_F  
ClientSampleId :  
CS-32

Tot Ion:136 Resp: 1560674

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.6  | 8.9   | 13.3  |
| 54  | 9.7   | 7.4   | 11.0  |
| 68  | 7.0   | 5.3   | 7.9   |

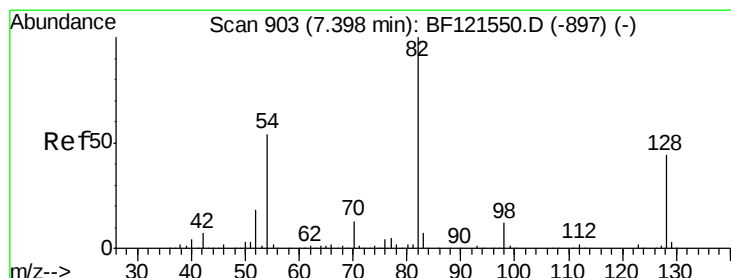
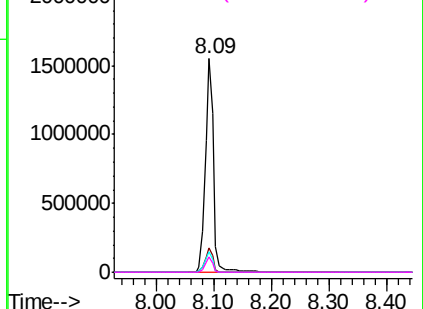
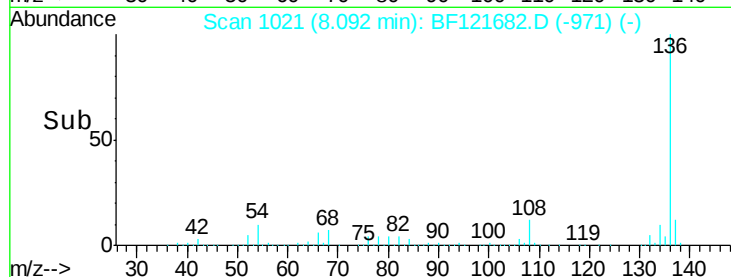


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

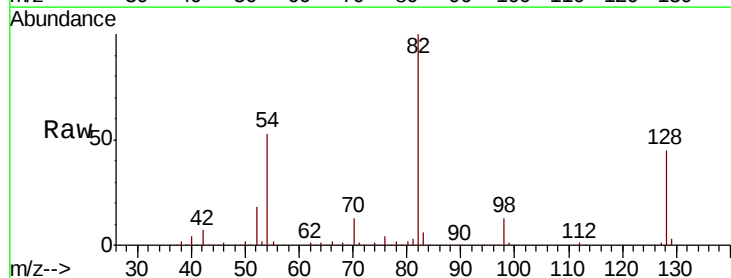
Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 52.557 ng  
RT: 7.37 min Scan# 899  
Delta R.T. -0.01 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Tgt Ion: 82 Resp: 763851

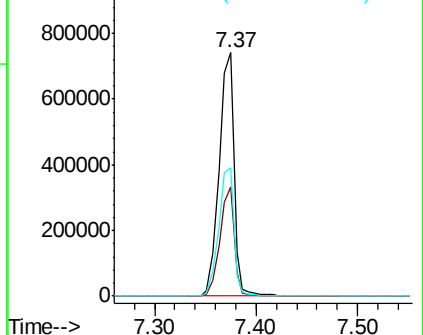
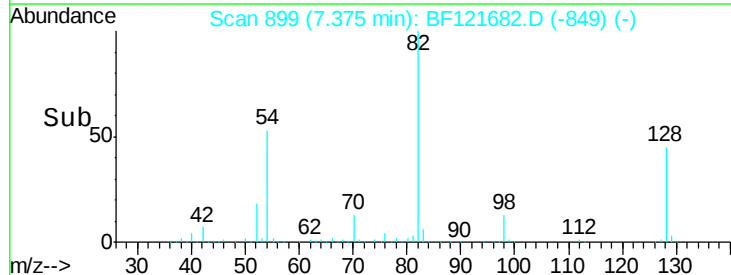
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.7  | 33.9  | 50.9  |
| 54  | 52.7  | 42.9  | 64.3  |



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: 25.899 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

Instrument :

BNA\_F

ClientSampleId :

CS-32

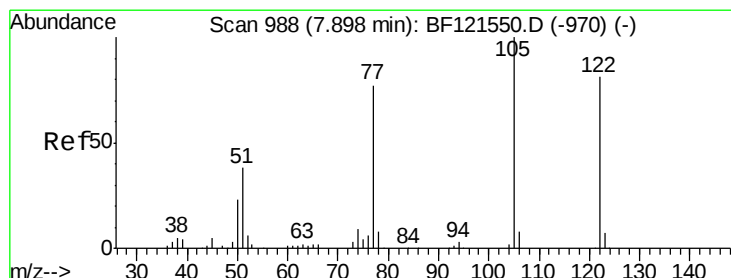
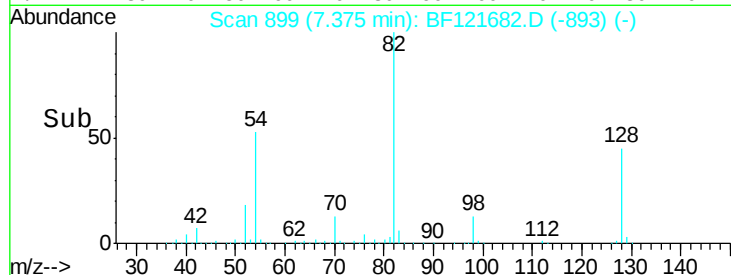
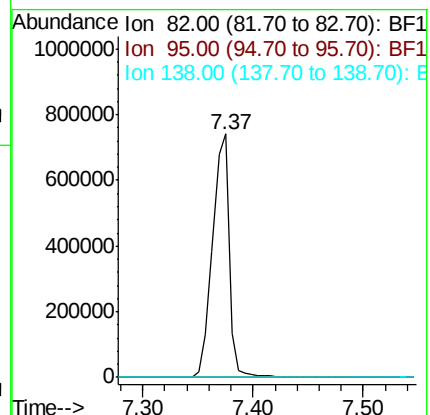
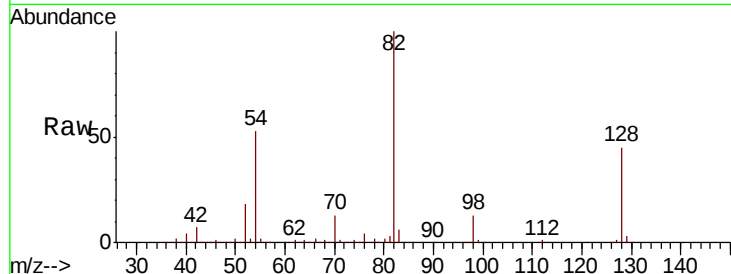
Tot Ion: 82 Resp: 757721

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.2 19.8#



#32

Benzoic acid

Concen: 13.909 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.21 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

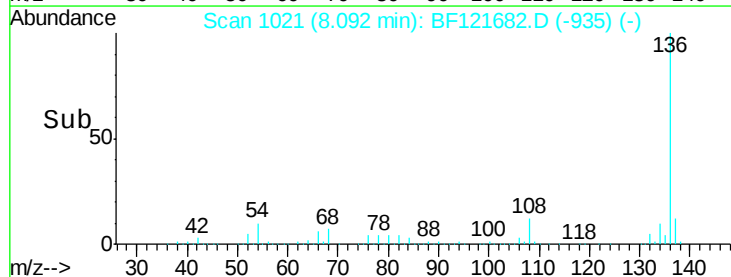
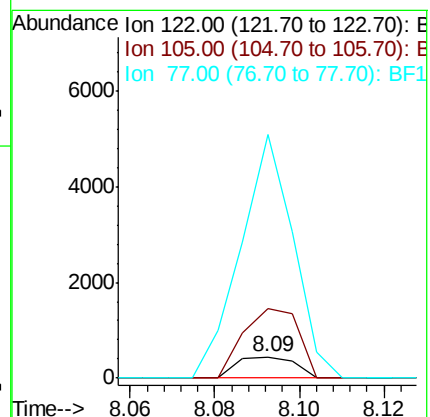
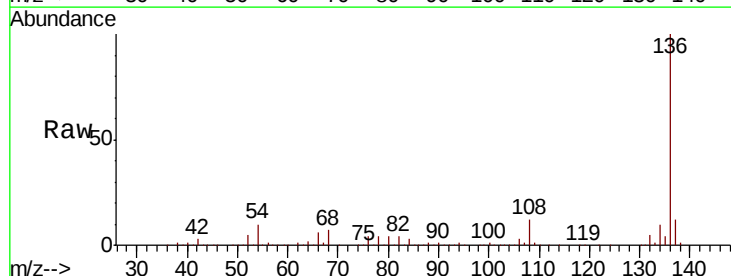
Tgt Ion: 122 Resp: 426

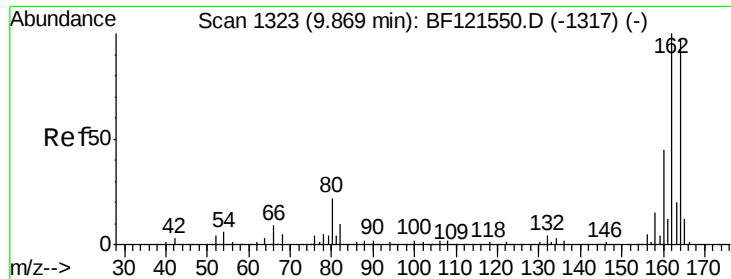
Ion Ratio Lower Upper

122 100

105 322.7 101.9 141.9#

77 1134.1 69.0 109.0#





#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

Instrument :

BNA\_F

ClientSampleId :

CS-32

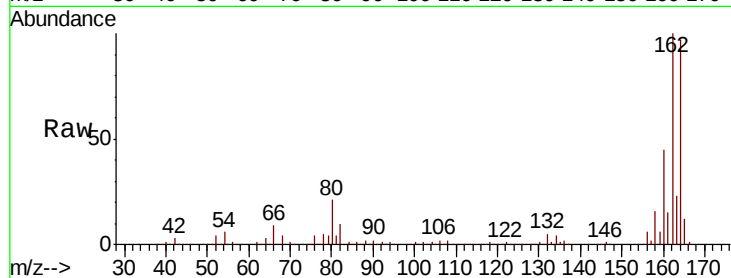
Tot Ion:164 Resp: 841761

Ion Ratio Lower Upper

164 100

162 103.2 81.2 121.8

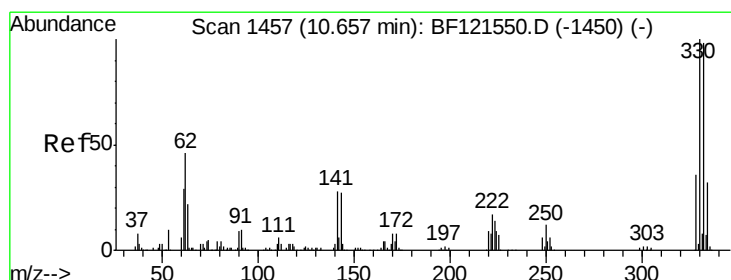
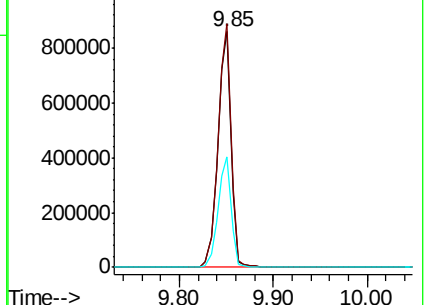
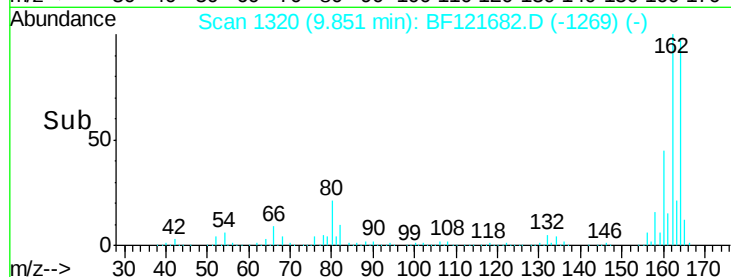
160 46.7 36.2 54.4



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: 59.467 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

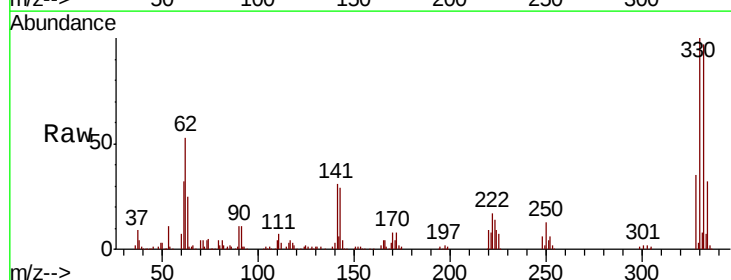
Tgt Ion:330 Resp: 311071

Ion Ratio Lower Upper

330 100

332 97.8 76.9 115.3

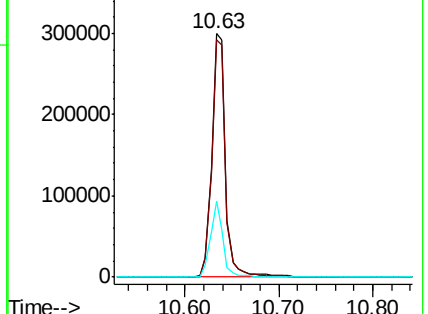
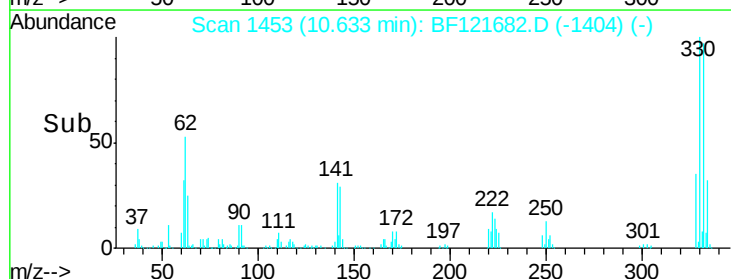
141 28.8 22.4 33.6

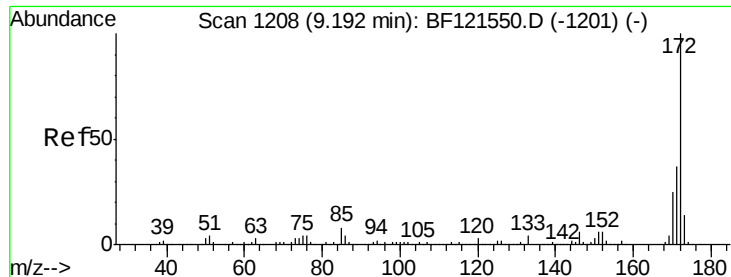


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

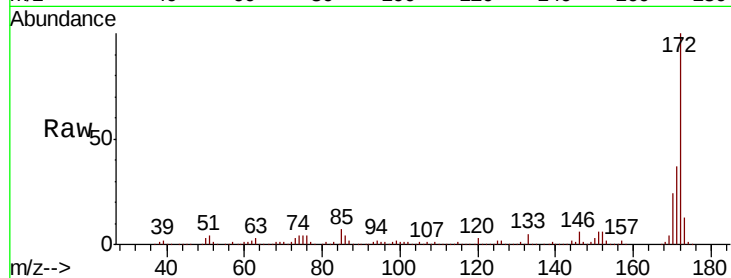




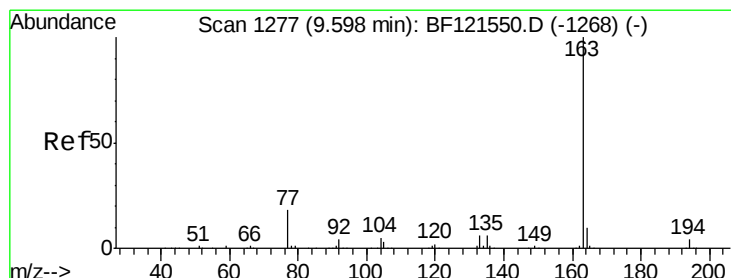
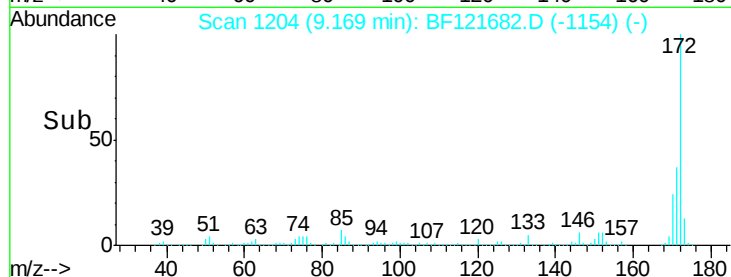
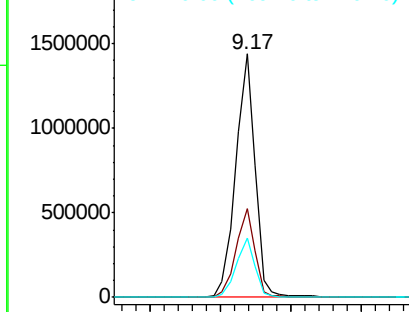
#45  
2-Fluorobiphenyl  
Concen: 49.716 ng  
RT: 9.17 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Instrument :  
BNA\_F  
ClientSampleId :  
CS-32

Tot Ion:172 Resp: 1381569  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.3 43.9  
170 24.4 19.5 29.3

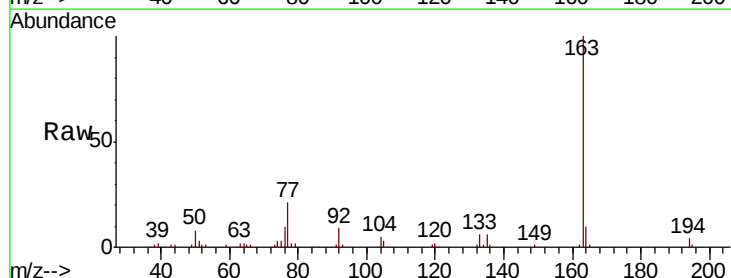


Abundance Ion 172.00 (171.70 to 172.70): E  
2000000 Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

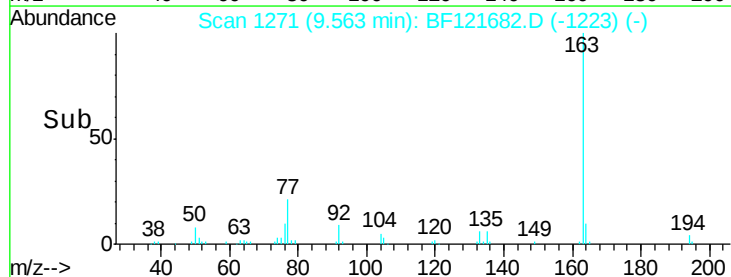
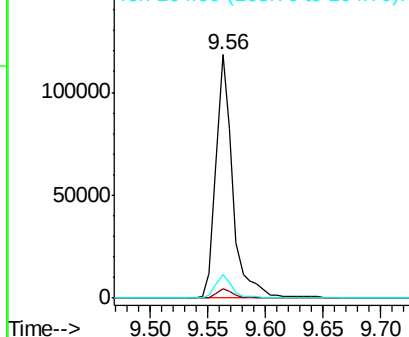


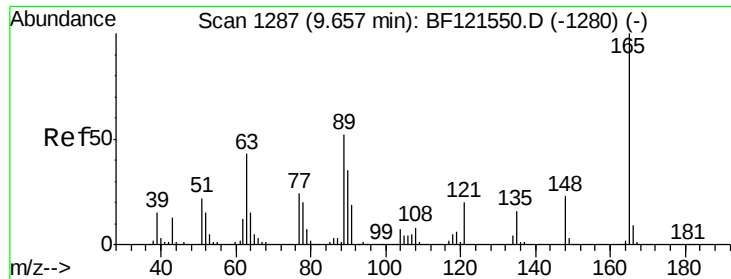
#50  
Dimethylphthalate  
Concen: 3.920 ng  
RT: 9.56 min Scan# 1271  
Delta R.T. -0.02 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Tgt Ion:163 Resp: 119567  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 9.8 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E  
150000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 16.839 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

Instrument :

BNA\_F

ClientSampleId :

CS-32

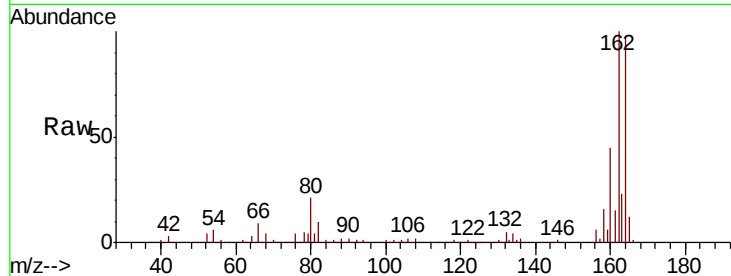
Tot Ion:165 Resp: 109395

Ion Ratio Lower Upper

165 100

63 1.4 47.6 71.4#

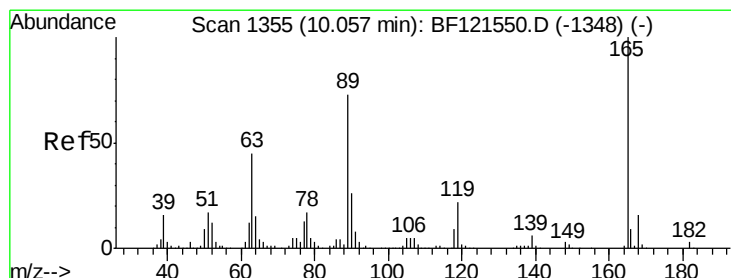
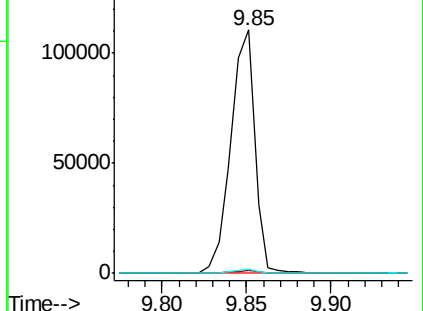
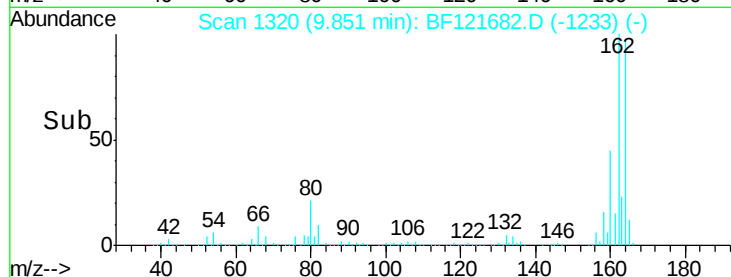
89 1.6 46.0 69.0#



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



#57

2,4-Dinitrotoluene

Concen: 13.385 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF121682.D

Acq: 24 Sep 2020 15:18

Tgt Ion:165 Resp: 109395

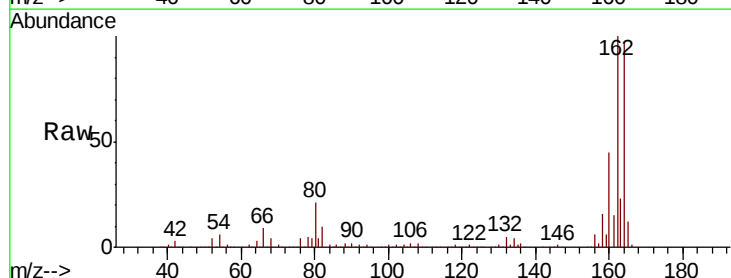
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.6 57.7 86.5#

182 0.0 2.1 3.1#

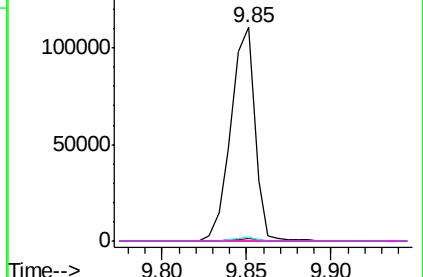
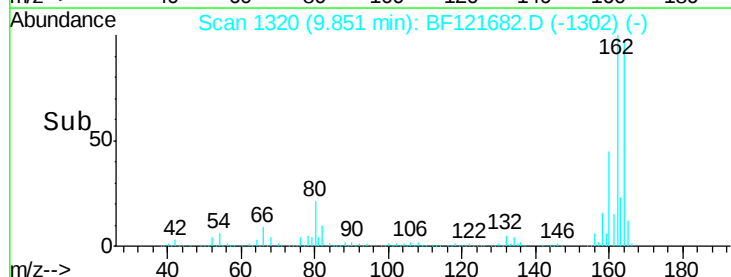


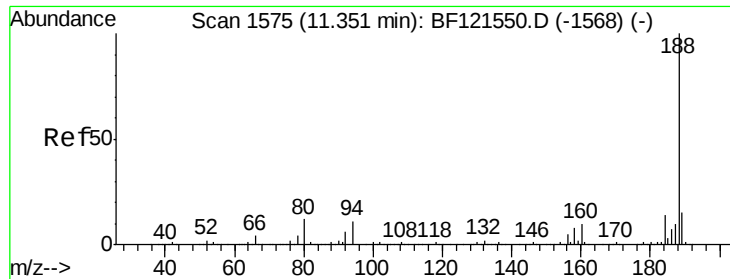
Abundance Ion 165.00 (164.70 to 165.70): E

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

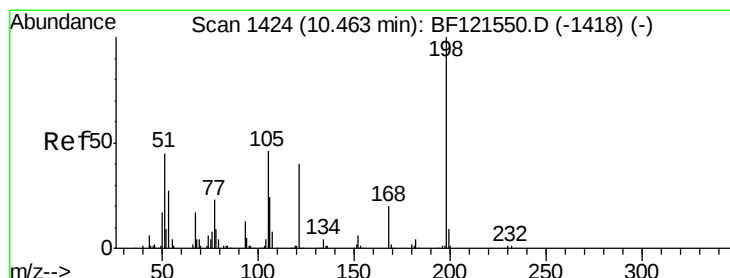
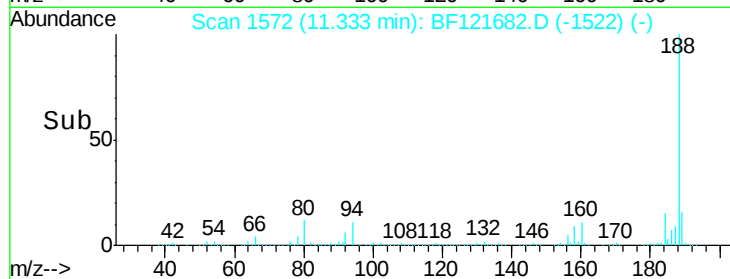
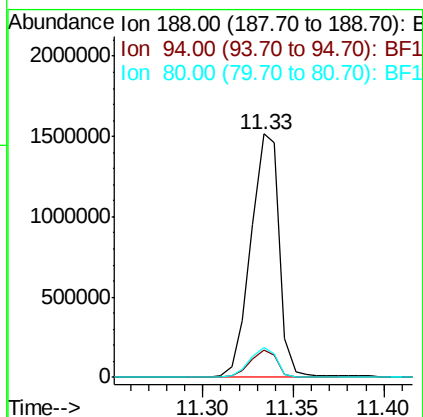
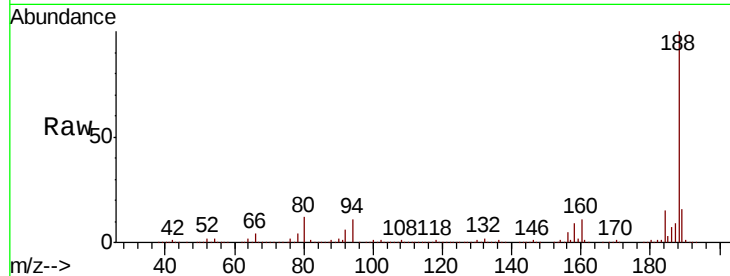




#64  
Phenanthrene-d10  
Concen: 40.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. -0.01 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

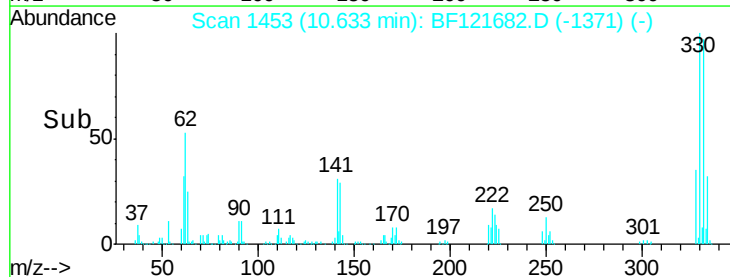
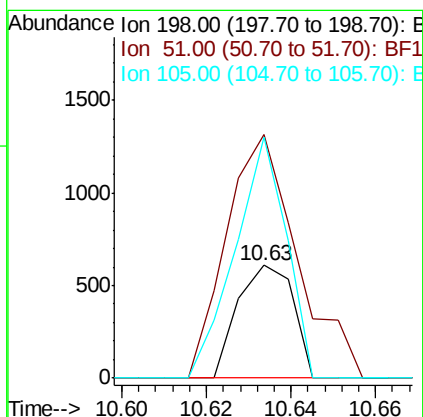
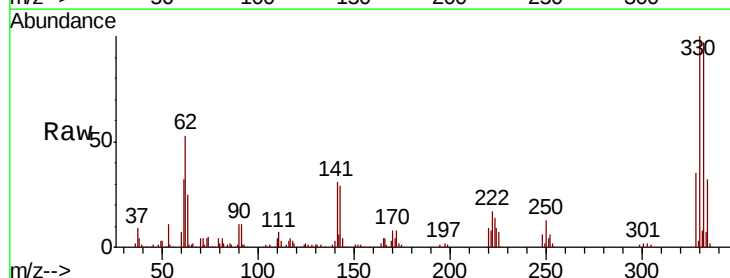
Instrument :  
BNA\_F  
ClientSampleId :  
CS-32

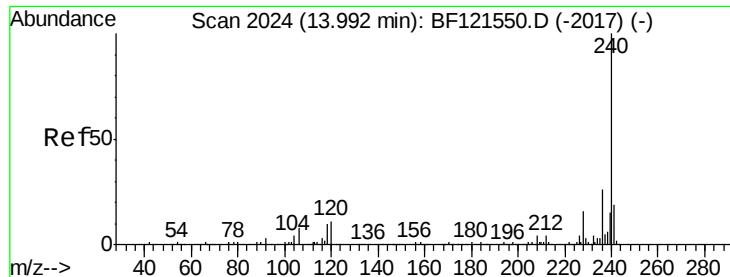
Tot Ion:188 Resp: 1653220  
Ion Ratio Lower Upper  
188 100  
94 11.2 8.4 12.6  
80 12.2 9.0 13.4



#65  
4,6-Dinitro-2-methylphenol  
Concen: 13.798 ng  
RT: 10.63 min Scan# 1453  
Delta R.T. 0.18 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Tgt Ion:198 Resp: 557  
Ion Ratio Lower Upper  
198 100  
51 215.4 20.3 60.3#  
105 213.1 20.2 60.2#

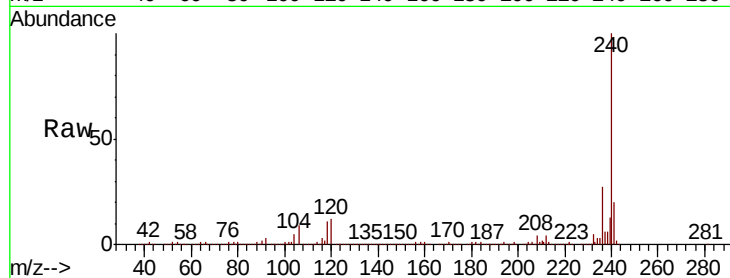




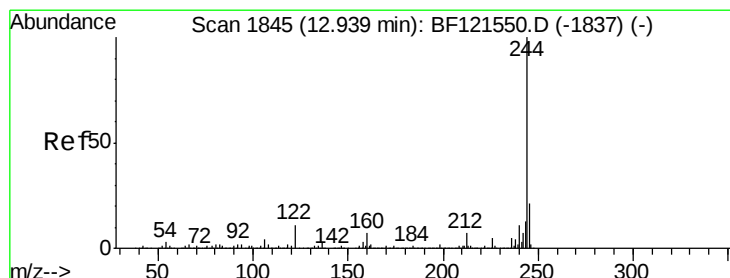
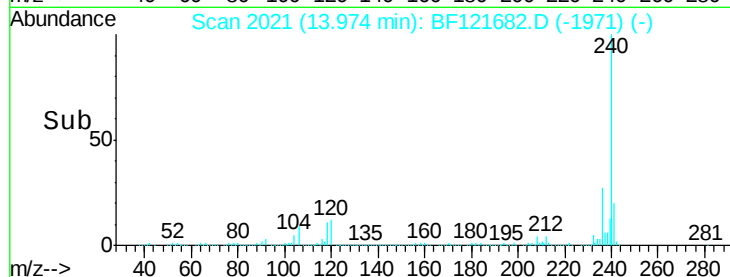
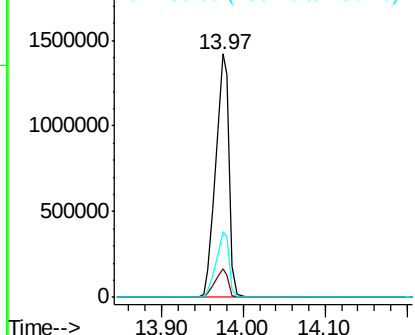
#76  
 Chrysene-d12  
 Concen: 40.000 ng  
 RT: 13.97 min Scan# 2021  
 Delta R.T. -0.01 min  
 Lab File: BF121682.D  
 Acq: 24 Sep 2020 15:18

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CS-32

Tot Ion:240 Resp: 1634249  
 Ion Ratio Lower Upper  
 240 100  
 120 11.6 9.2 13.8  
 236 26.9 20.4 30.6

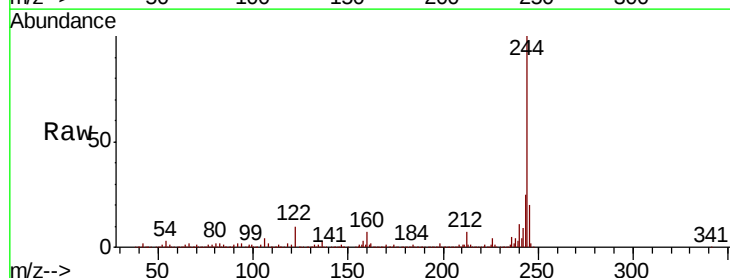


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

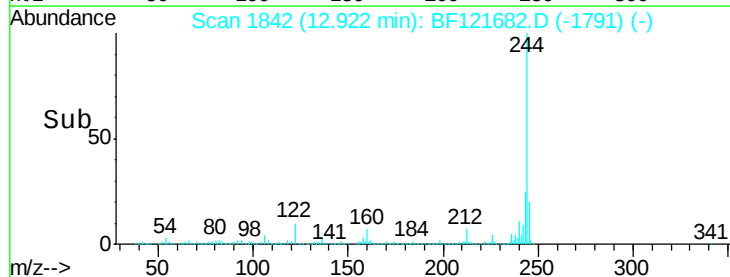
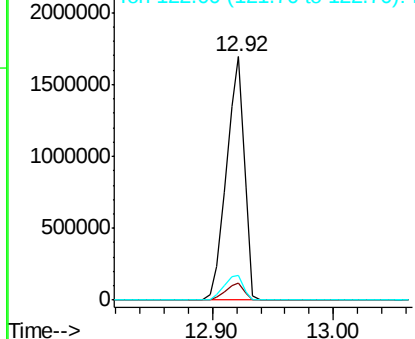


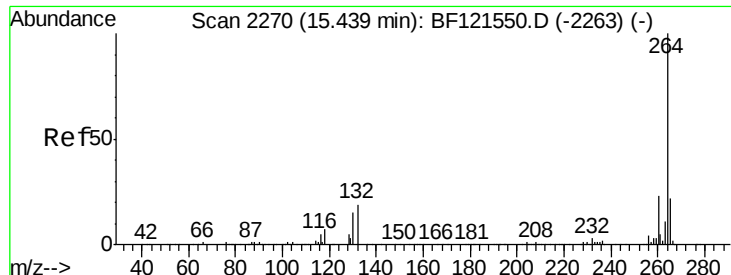
#79  
 Terphenyl-d14  
 Concen: 43.014 ng  
 RT: 12.92 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: BF121682.D  
 Acq: 24 Sep 2020 15:18

Tgt Ion:244 Resp: 1734917  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.5 8.3  
 122 10.4 7.4 11.0



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





#86  
Pervlene-d12  
Concen: 40.000 ng  
RT: 15.43 min Scan# 2269  
Delta R.T. 0.01 min  
Lab File: BF121682.D  
Acq: 24 Sep 2020 15:18

Instrument :  
BNA\_F  
ClientSampleId :  
CS-32

Tot Ion:264 Resp: 1409433  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 18.8  | 28.2  |
| 265 | 21.7  | 17.3  | 25.9  |

