

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\  
 Data File : BF098487.D  
 Acq On : 13 Sep 2017 13:56  
 Operator : SJ/JU  
 Sample : I5175-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 13 18:40:50 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 02:14:50 2017  
 Response via : Initial Calibration

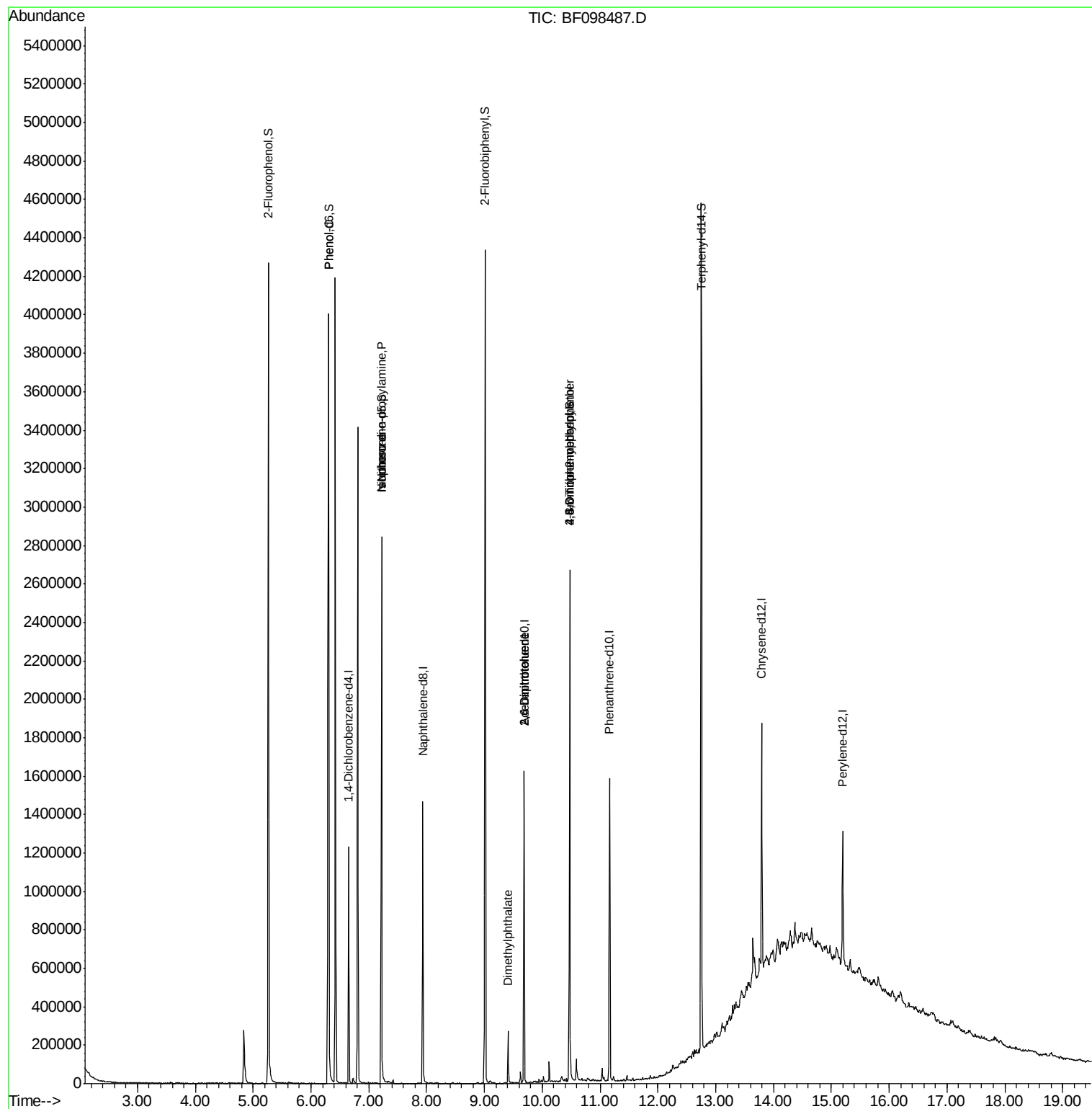
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.65  | 152  | 160338   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 7.93  | 136  | 666338   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.69  | 164  | 299804   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.16 | 188  | 564392   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 13.80 | 240  | 403739   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.20 | 264  | 313477   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.26  | 112  | 1201649  | 110.81 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.30  | 99   | 1465053  | 106.40 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.22  | 82   | 900131   | 75.31  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.47 | 330  | 269506   | 134.69 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.01  | 172  | 1514056  | 85.60  | ng    | -0.02    |
| 78) Terphenyl-d14              | 12.75 | 244  | 1406221  | 75.18  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.31  | 94   | 35586    | 2.225  | ng    | # 51     |
| 19) n-Nitroso-di-n-propylamine | 7.22  | 70   | 121005   | 13.972 | ng    | # 78     |
| 25) Isophorone                 | 7.22  | 82   | 891686   | 36.873 | ng    | # 67     |
| 49) Dimethylphthalate          | 9.41  | 163  | 102013   | 4.396  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.69  | 165  | 38749    | 8.129  | ng    | # 34     |
| 56) 2,4-Dinitrotoluene         | 9.69  | 165  | 38749    | 6.686  | ng    | # 34     |
| 64) 4,6-Dinitro-2-methylphenol | 10.47 | 198  | 740      | 5.156  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.47 | 248  | 19976    | 3.729  | ng    | # 1      |

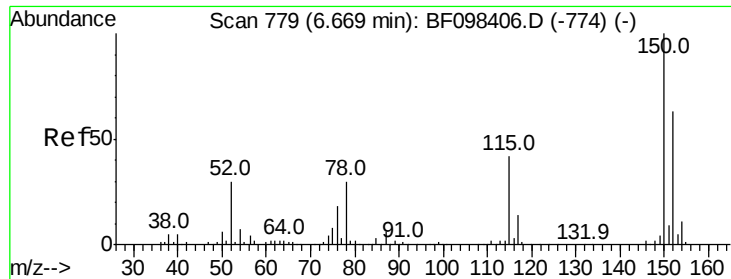
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : I5175-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :

Quant Time: Sep 13 18:40:50 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M  
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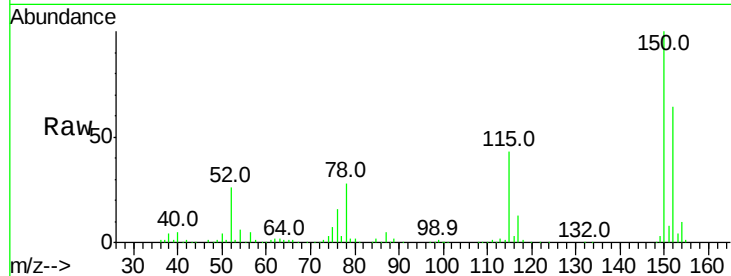


#1

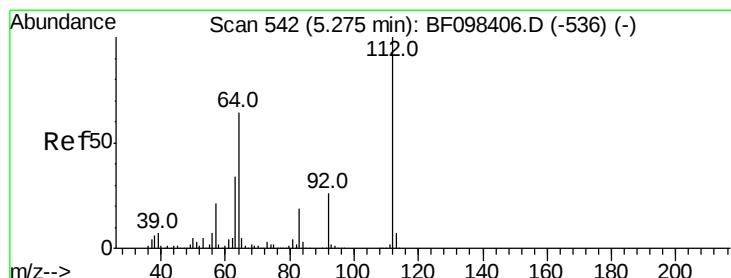
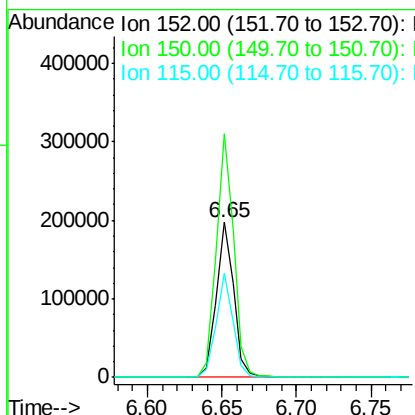
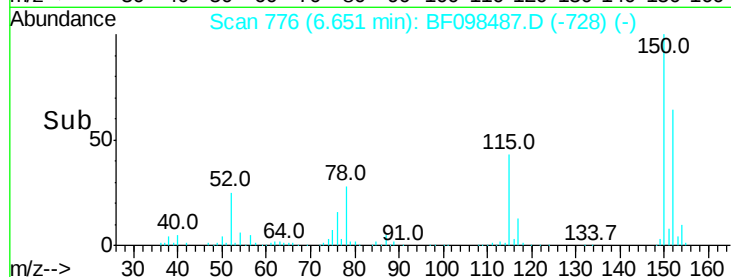
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.65 min Scan# 776  
Delta R.T. -0.02 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 160338  
Ion Ratio Lower Upper  
152 100  
150 156.9 126.2 189.2  
115 67.5 52.2 78.2



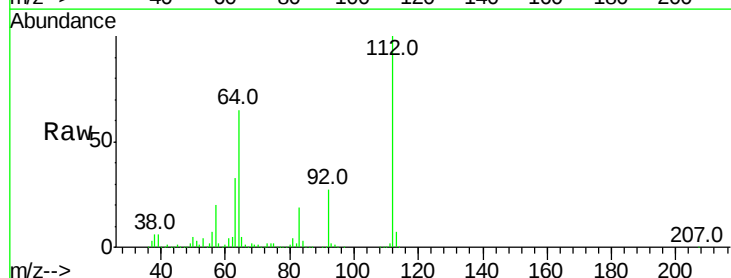
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



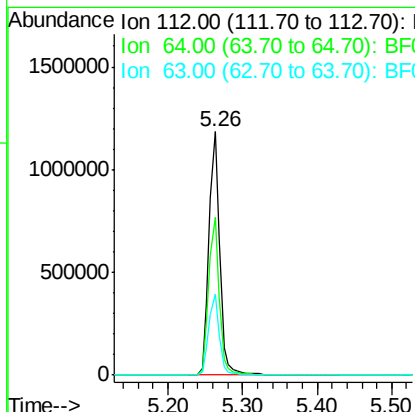
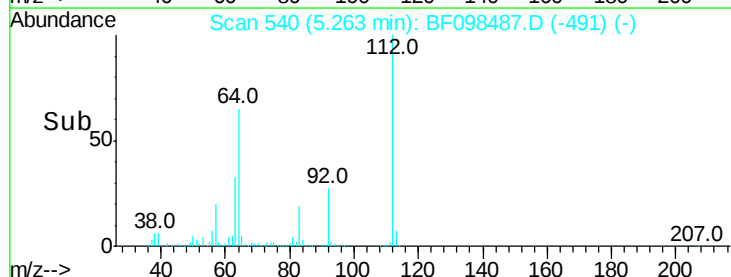
#5

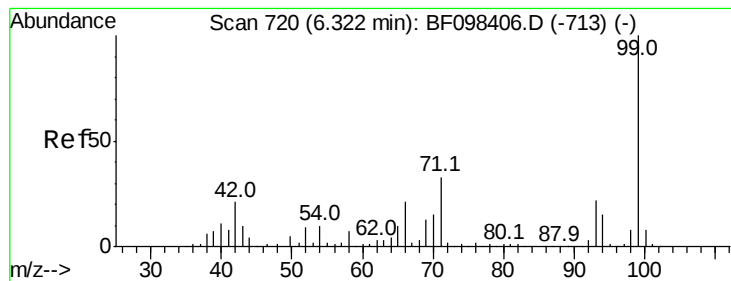
2-Fluorophenol  
Concen: 110.808 ng  
RT: 5.26 min Scan# 540  
Delta R.T. -0.01 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

Tgt Ion:112 Resp: 1201649  
Ion Ratio Lower Upper  
112 100  
64 64.6 46.0 69.0  
63 33.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.404 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

Instrument :

BNA\_F

ClientSampleId :

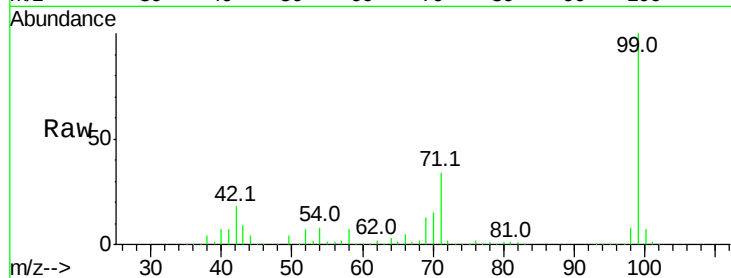
Tot Ion: 99 Resp: 1465053

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.3  | 13.5  | 20.3  |
| 71  | 33.6  | 24.5  | 36.7  |

99 100

42 18.3 13.5 20.3

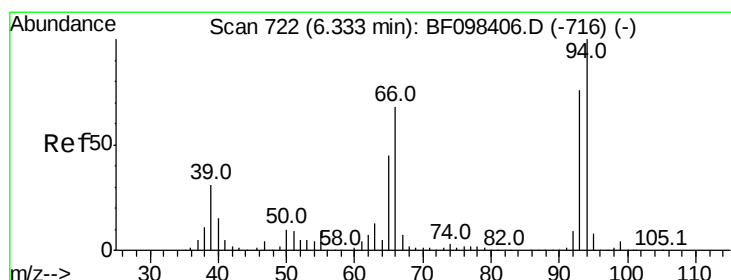
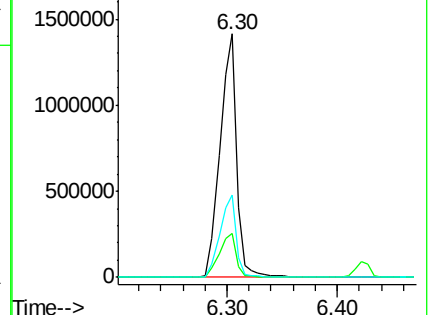
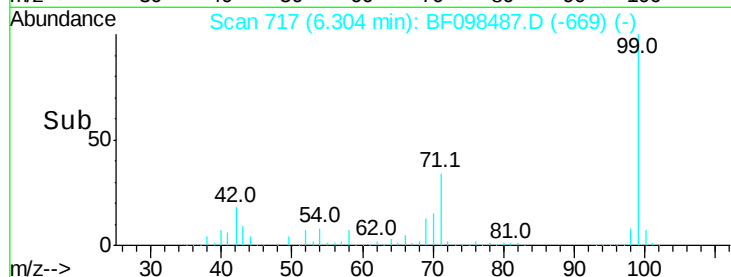
71 33.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.225 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

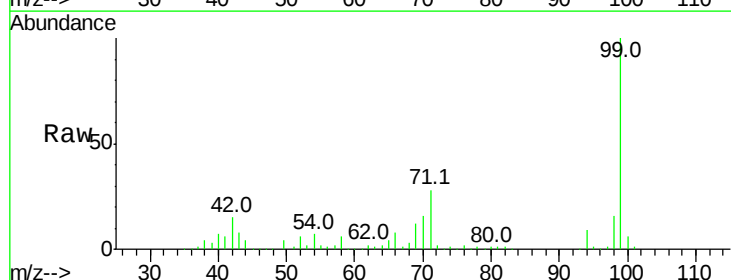
Tgt Ion: 94 Resp: 35586

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 41.2  | 9.9   | 49.9  |
| 66  | 87.5  | 23.1  | 63.1# |

94 100

65 41.2 9.9 49.9

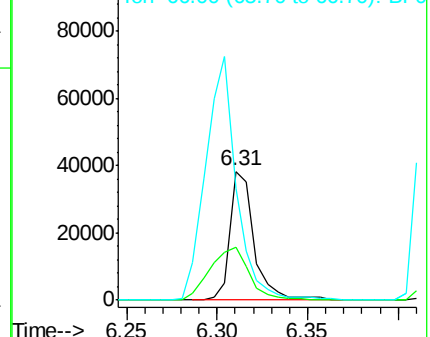
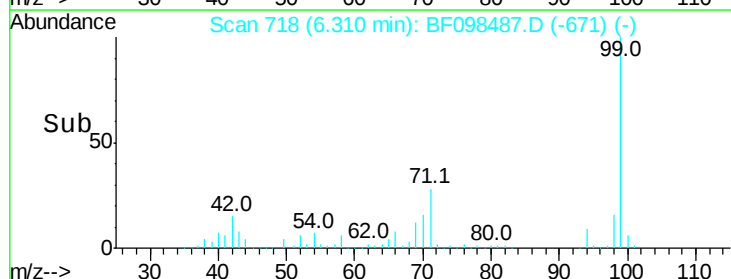
66 87.5 23.1 63.1#

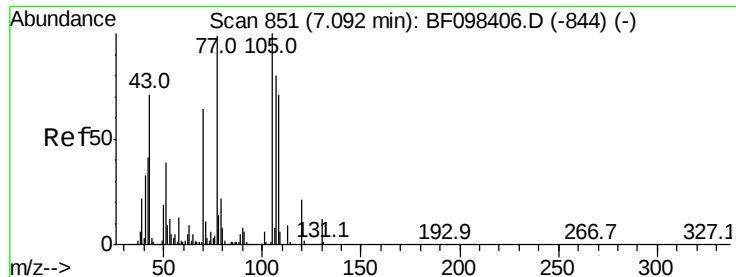


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

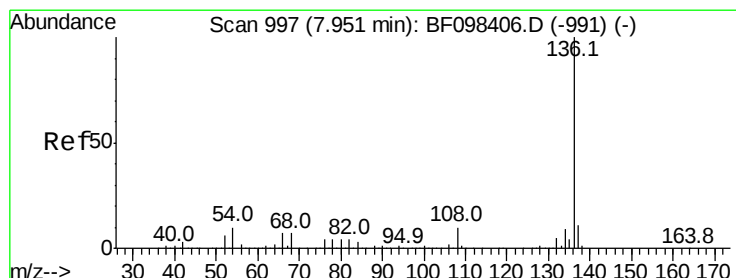
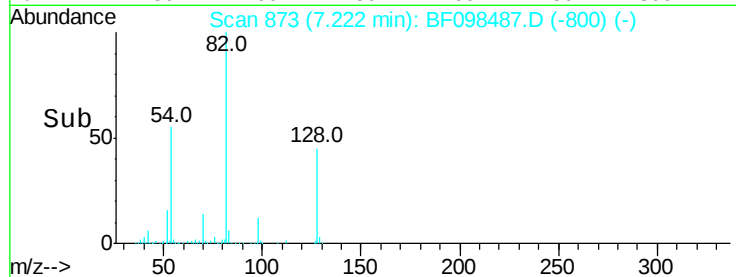
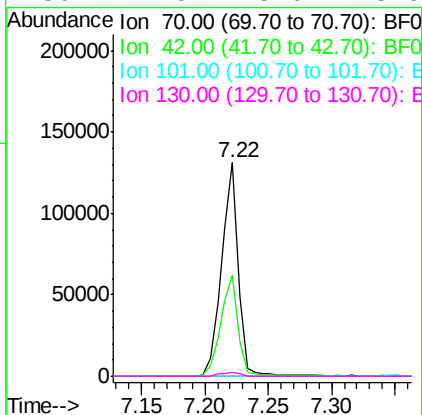
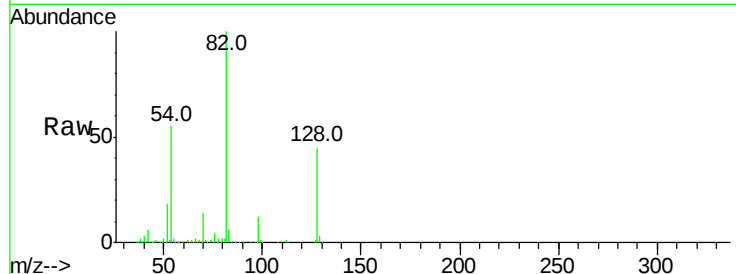




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.972 ng  
RT: 7.22 min Scan# 873  
Delta R.T. 0.13 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

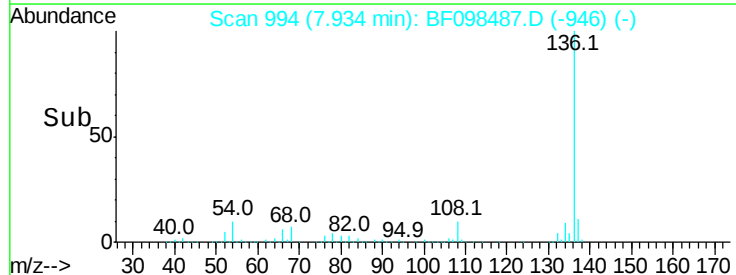
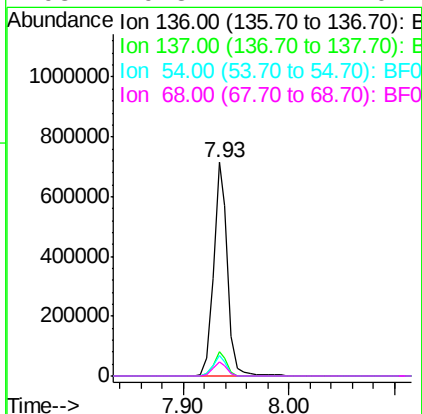
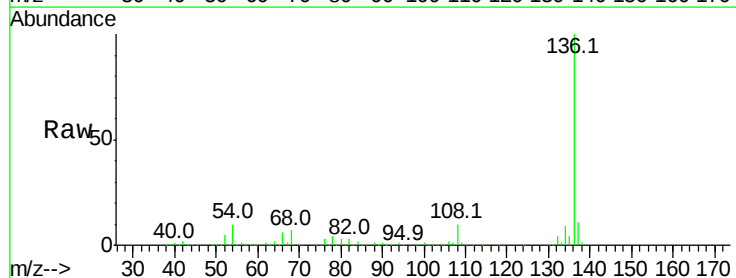
Instrument :  
BNA\_F  
ClientSampleId :

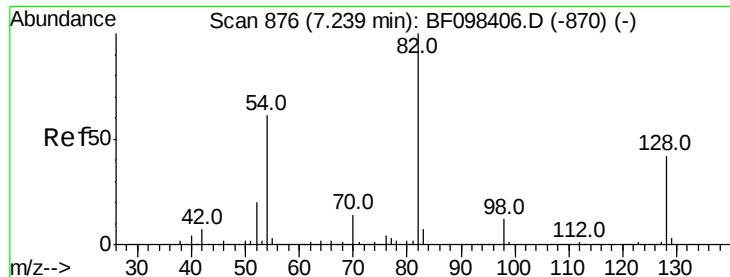
Tot Ion: 70 Resp: 121005  
Ion Ratio Lower Upper  
70 100  
42 47.2 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.0 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.93 min Scan# 994  
Delta R.T. -0.02 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

Tgt Ion: 136 Resp: 666338  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.5 12.7  
54 9.8 4.9 7.3#  
68 6.8 4.1 6.1#

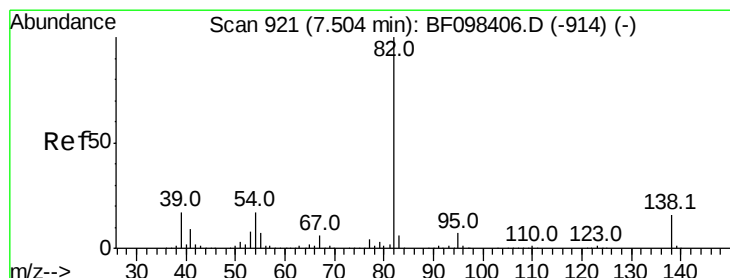
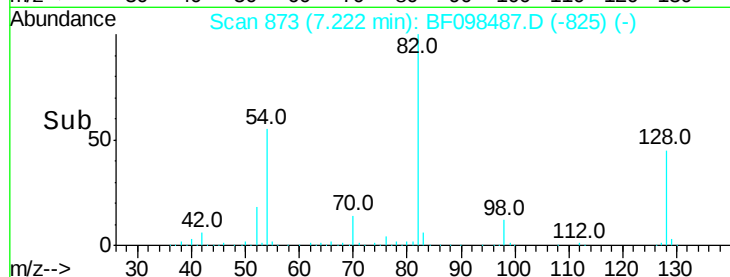
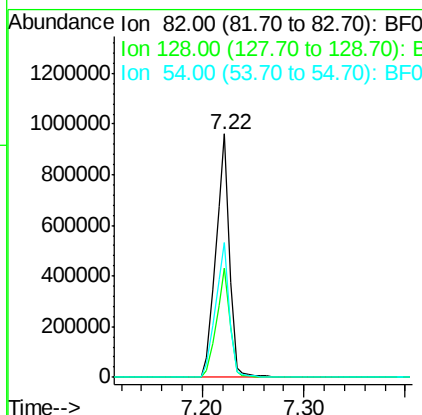
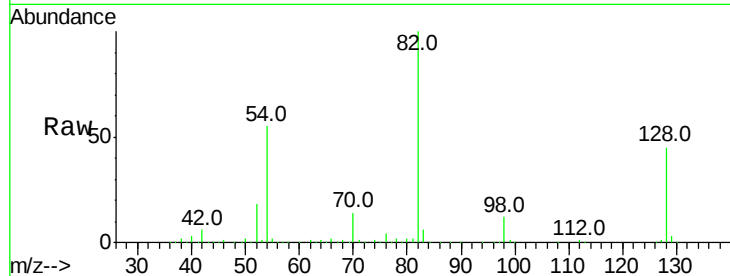




#23  
 Nitrobenzene-d5  
 Concen: 75.310 ng  
 RT: 7.22 min Scan# 873  
 Delta R.T. -0.02 min  
 Lab File: BF098487.D  
 Acq: 13 Sep 2017 13:56

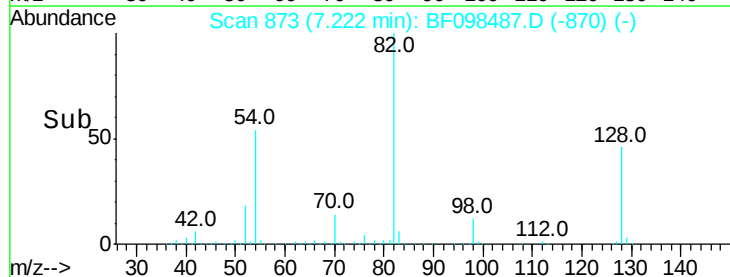
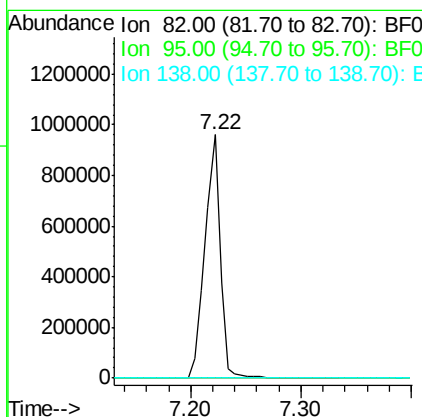
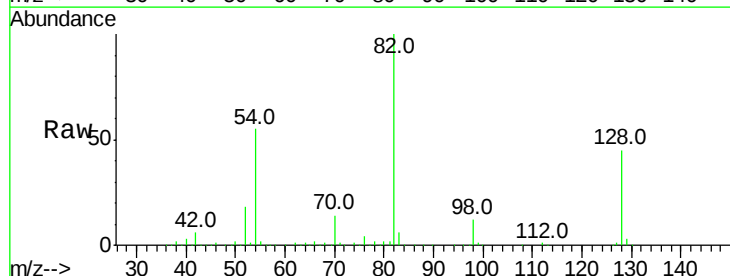
Instrument :  
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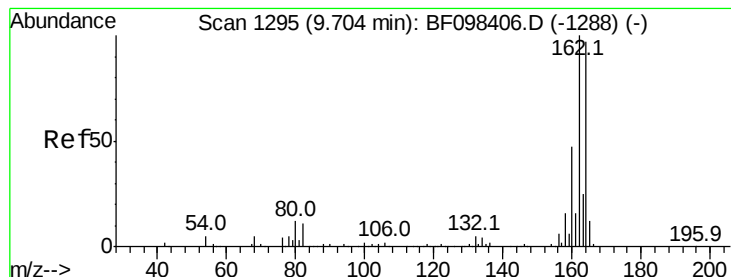
Tot Ion: 82 Resp: 900131  
 Ion Ratio Lower Upper  
 82 100  
 128 44.8 34.0 51.0  
 54 55.2 42.2 63.2



#25  
 Isophorone  
 Concen: 36.873 ng  
 RT: 7.22 min Scan# 873  
 Delta R.T. -0.28 min  
 Lab File: BF098487.D  
 Acq: 13 Sep 2017 13:56

Tgt Ion: 82 Resp: 891686  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

Instrument :

BNA\_F

ClientSampleId :

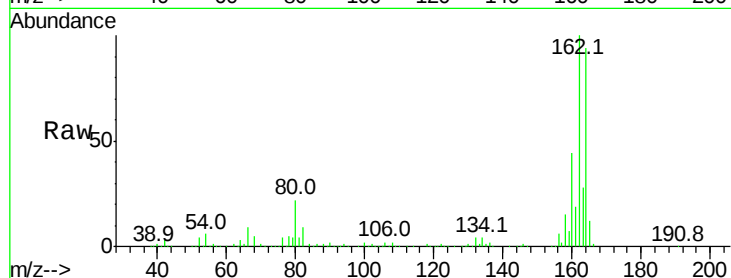
Tot Ion:164 Resp: 299804

Ion Ratio Lower Upper

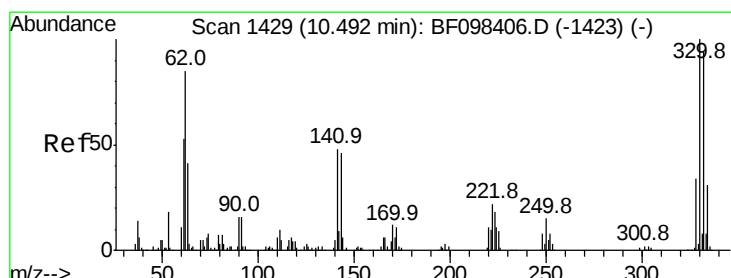
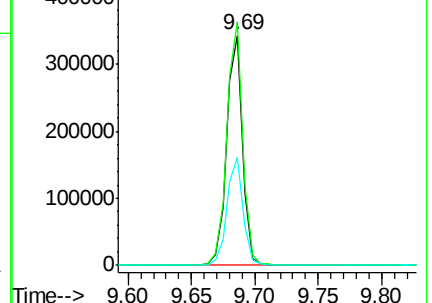
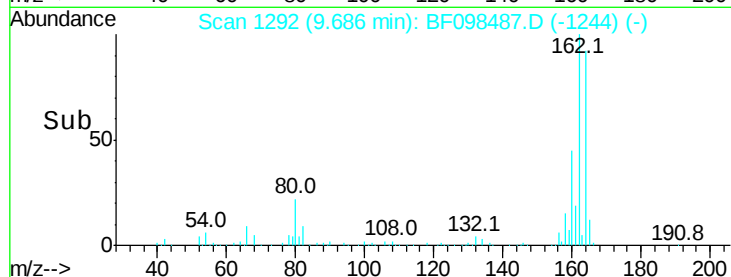
164 100

162 106.1 82.6 123.8

160 47.1 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 134.689 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

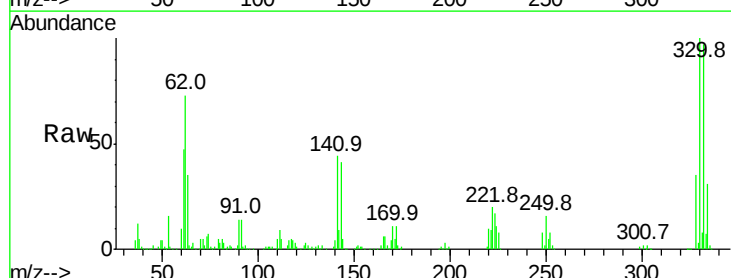
Tgt Ion:330 Resp: 269506

Ion Ratio Lower Upper

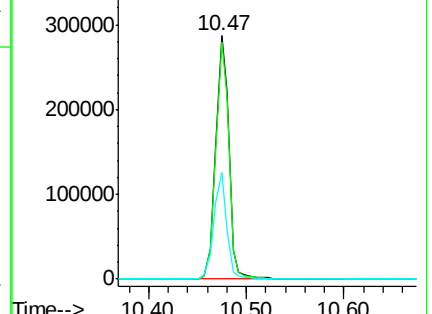
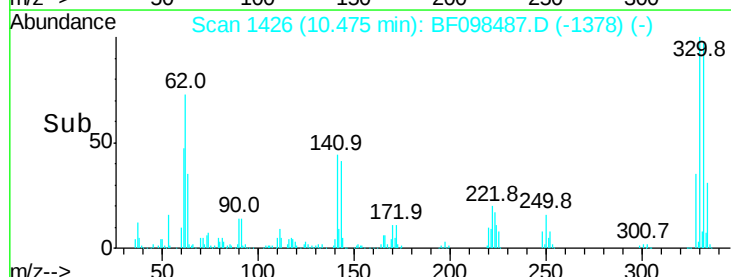
330 100

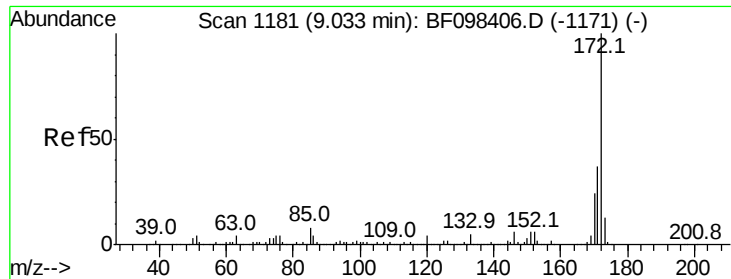
332 97.0 76.6 115.0

141 42.4 31.4 47.2



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





#44

2-Fluorobiphenyl

Concen: 85.596 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

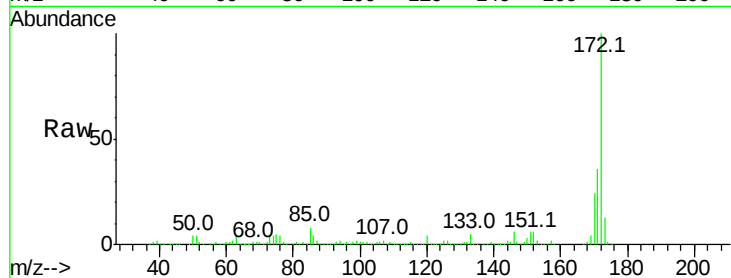
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:172 Resp: 1514056

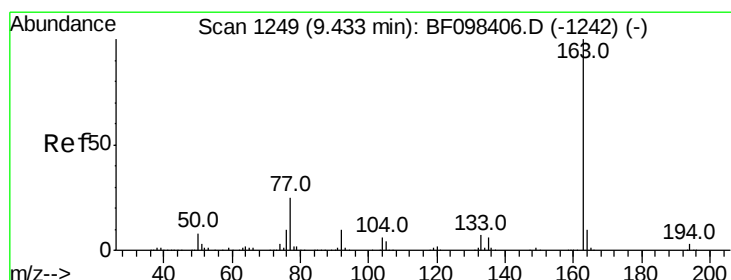
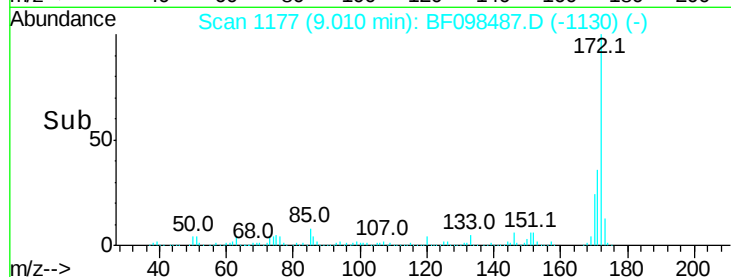
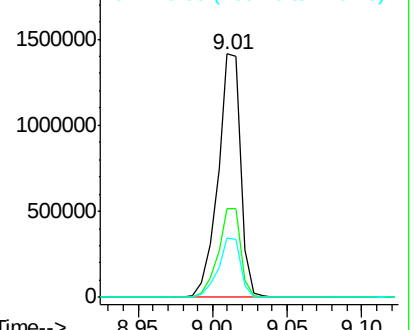
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.6  | 44.4  |
| 170 | 24.1  | 19.8  | 29.8  |



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



#49

Dimethylphthalate

Concen: 4.396 ng

RT: 9.41 min Scan# 1245

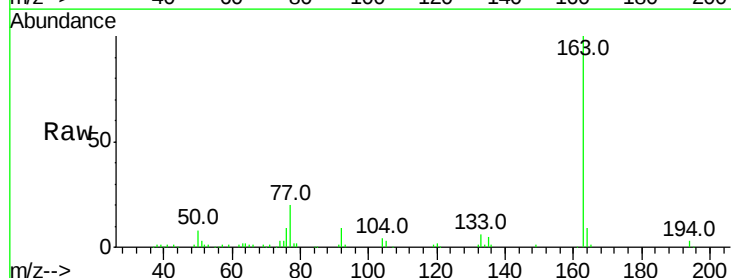
Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

Tgt Ion:163 Resp: 102013

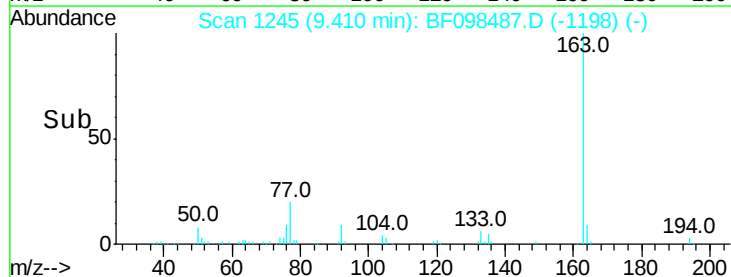
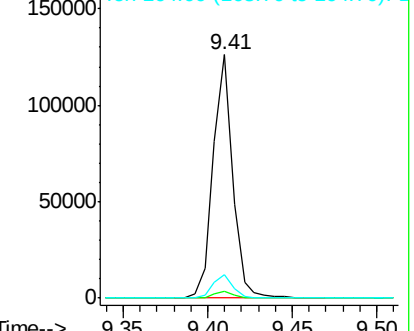
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.0   | 2.6   | 4.0   |
| 164 | 9.5   | 8.4   | 12.6  |

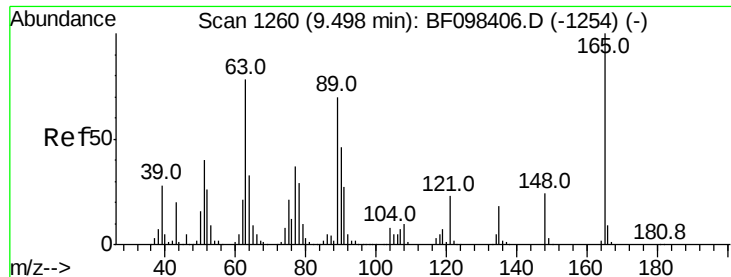


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

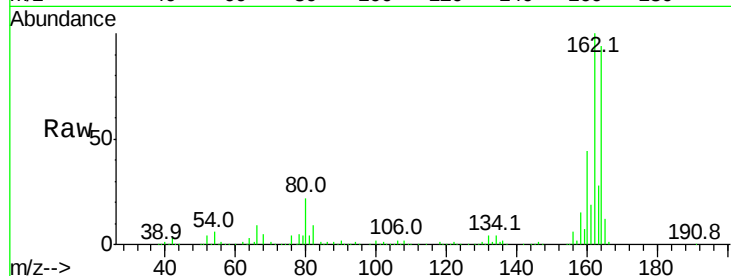




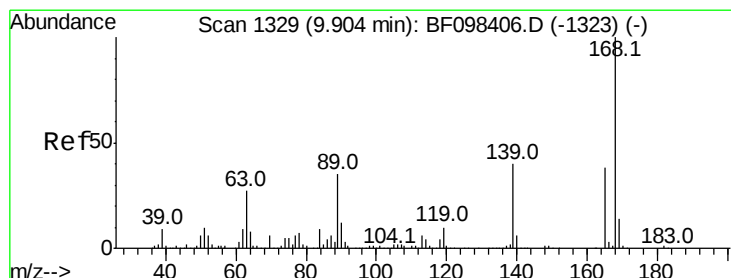
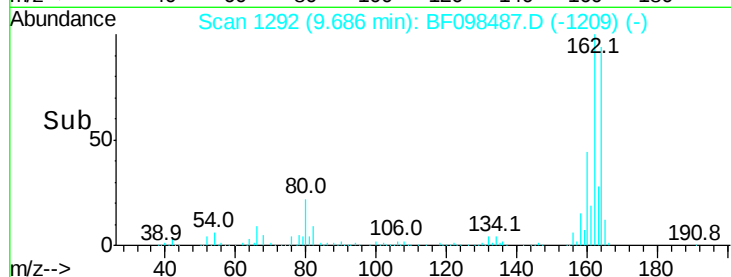
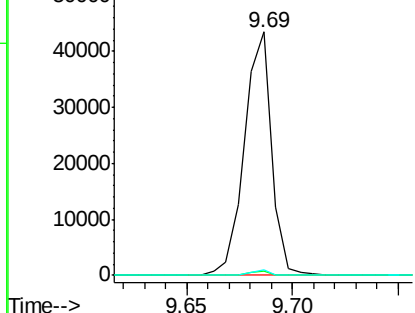
#50  
2,6-Dinitrotoluene  
Concen: 8.129 ng  
RT: 9.69 min Scan# 1292  
Delta R.T. 0.19 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 34.3  | 51.5# |
| 89      | 2.2   | 37.1  | 55.7# |



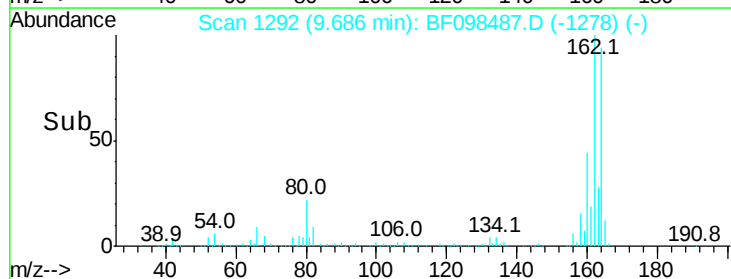
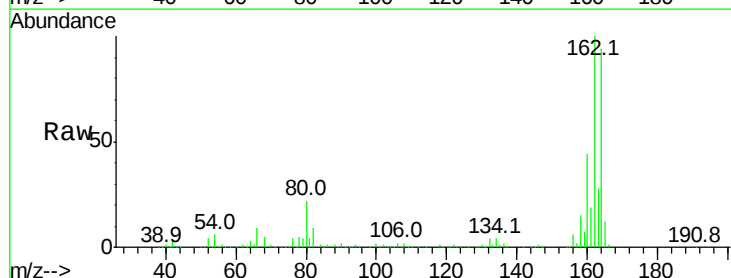
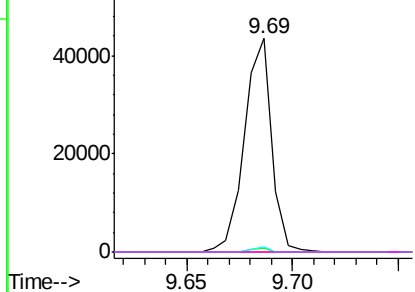
Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0

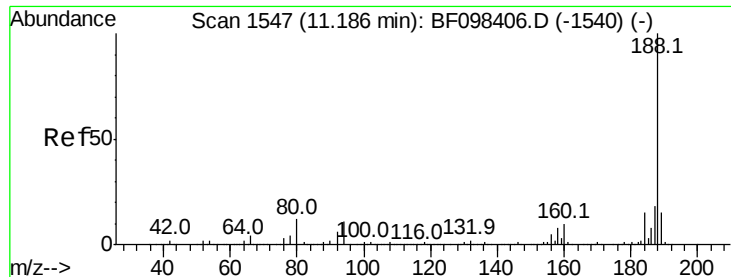


#56  
2,4-Dinitrotoluene  
Concen: 6.686 ng  
RT: 9.69 min Scan# 1292  
Delta R.T. -0.22 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.7   | 25.4  | 38.0# |
| 89      | 2.2   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E

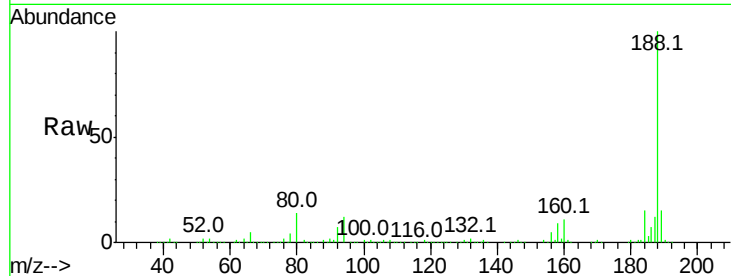




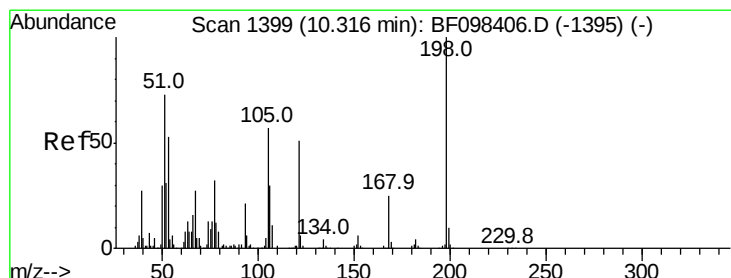
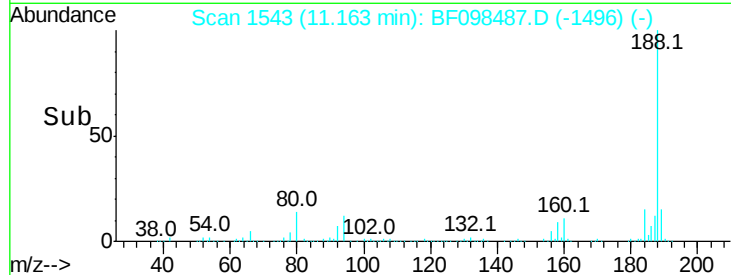
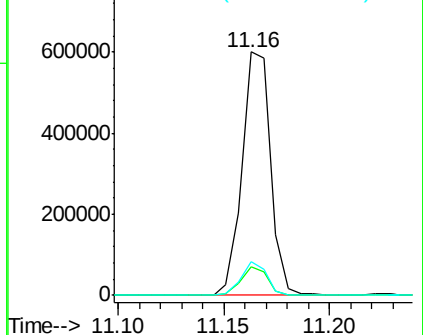
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.16 min Scan# 1543  
 Delta R.T. -0.02 min  
 Lab File: BF098487.D  
 Acq: 13 Sep 2017 13:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:188 Resp: 564392  
 Ion Ratio Lower Upper  
 188 100  
 94 11.8 9.4 14.2  
 80 13.7 10.2 15.2

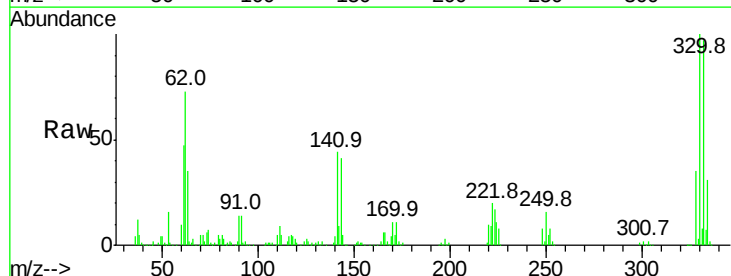


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

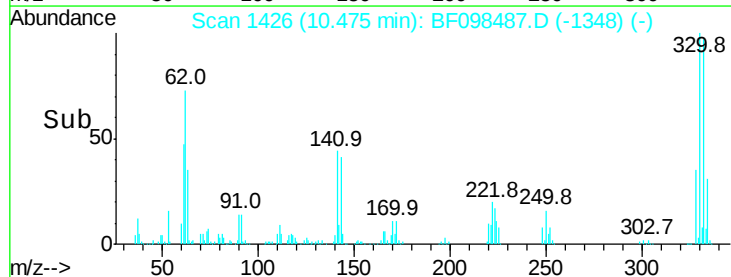
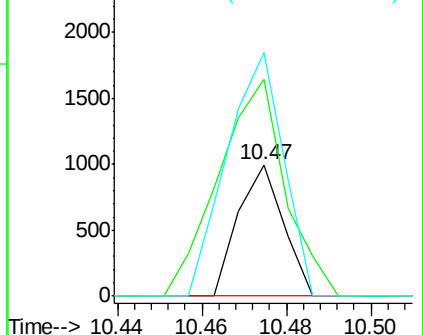


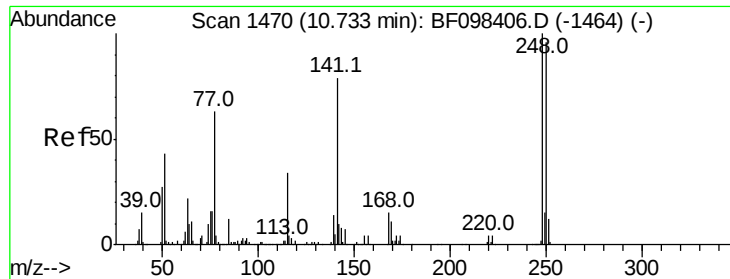
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.156 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. 0.16 min  
 Lab File: BF098487.D  
 Acq: 13 Sep 2017 13:56

Tgt Ion:198 Resp: 740  
 Ion Ratio Lower Upper  
 198 100  
 51 165.2 53.2 93.2#  
 105 185.7 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

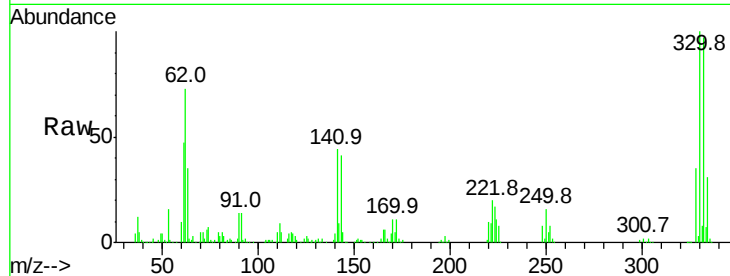




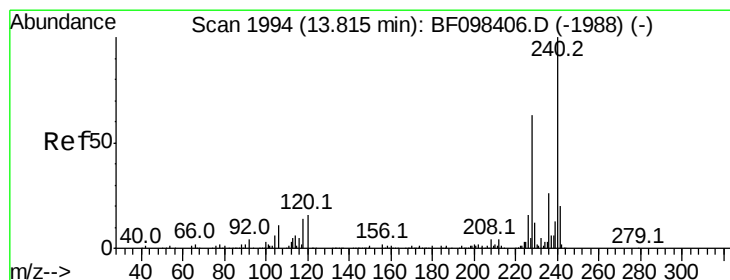
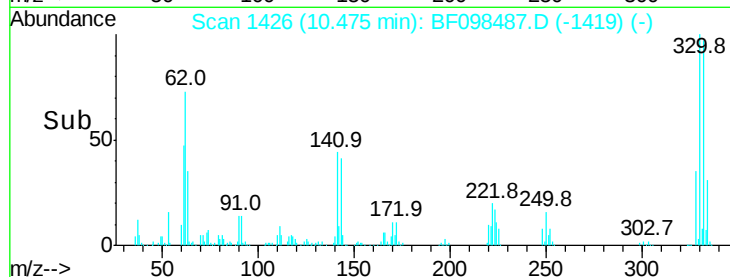
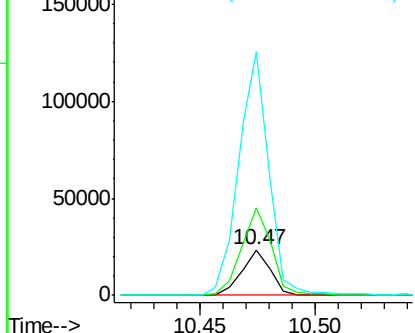
#66  
4-Bromophenyl-phenylether  
Concen: 3.729 ng  
RT: 10.47 min Scan# 1426  
Delta R.T. -0.26 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 19976  
Ion Ratio Lower Upper  
248 100  
250 193.1 76.8 115.2#  
141 538.6 68.6 103.0#

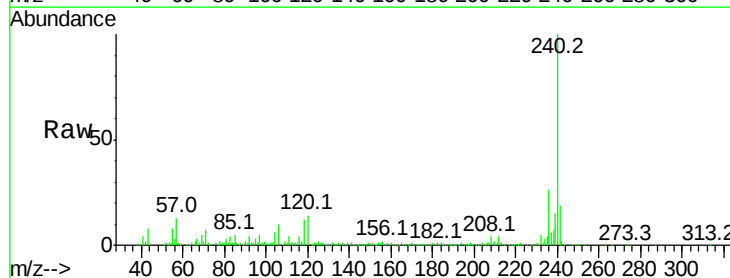


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

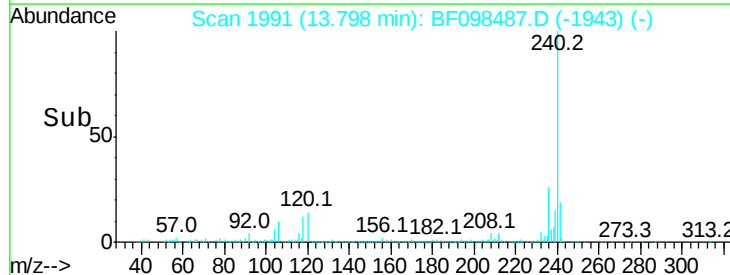
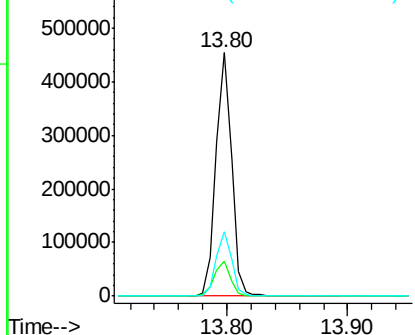


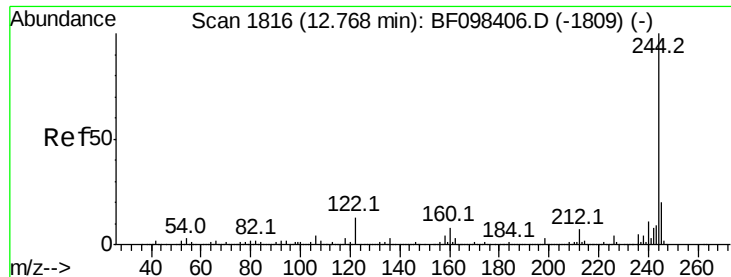
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.80 min Scan# 1991  
Delta R.T. -0.02 min  
Lab File: BF098487.D  
Acq: 13 Sep 2017 13:56

Tgt Ion:240 Resp: 403739  
Ion Ratio Lower Upper  
240 100  
120 14.2 5.8 8.8#  
236 26.2 20.5 30.7



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





#78

Terphenyl-d14

Concen: 75.179 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

Instrument :

BNA\_F

ClientSampleId :

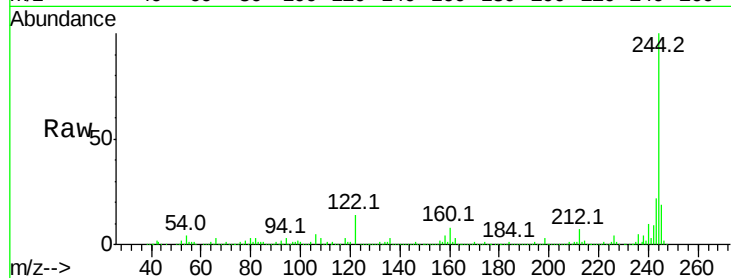
Tot Ion:244 Resp: 1406221

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

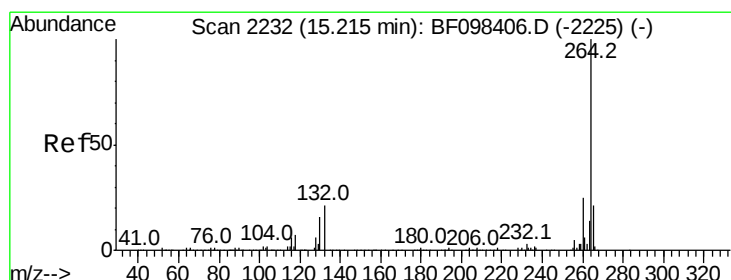
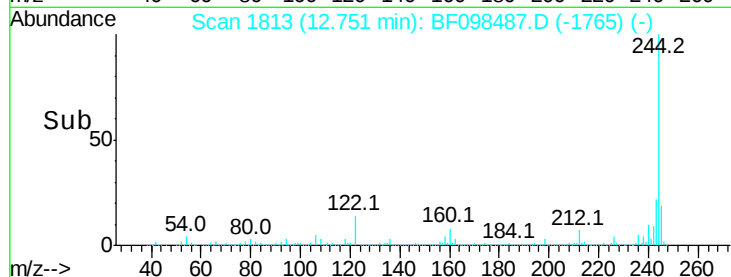
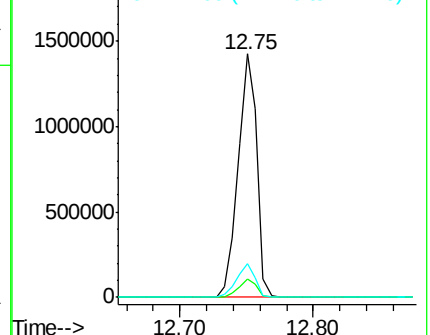
122 14.0 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF098487.D

Acq: 13 Sep 2017 13:56

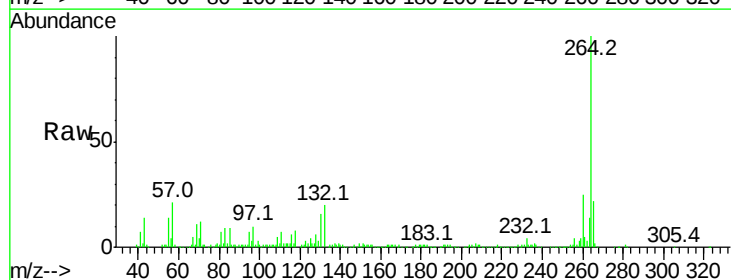
Tgt Ion:264 Resp: 313477

Ion Ratio Lower Upper

264 100

260 25.3 19.5 29.3

265 21.8 17.2 25.8



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

