

Data File : BF115291.D  
Acq On : 28 Jun 2019 19:44  
Operator : HP/JU  
Sample : K3554-12  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-16

Quant Time: Jun 29 02:37:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 05:26:43 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.60  | 152  | 220317   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.88  | 136  | 838394   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.62  | 164  | 406063   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.09 | 188  | 812141   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.71 | 240  | 658367   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.07 | 264  | 676179   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.21  | 112 | 1431869 | 100.29 | ng | 0.02 |
| 7) Phenol-d6                | 6.24  | 99  | 1616781 | 93.30  | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.16  | 82  | 1176691 | 86.34  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.41 | 330 | 576522  | 134.64 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 8.95  | 172 | 2225458 | 93.09  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.68 | 244 | 2604339 | 84.11  | ng | 0.00 |

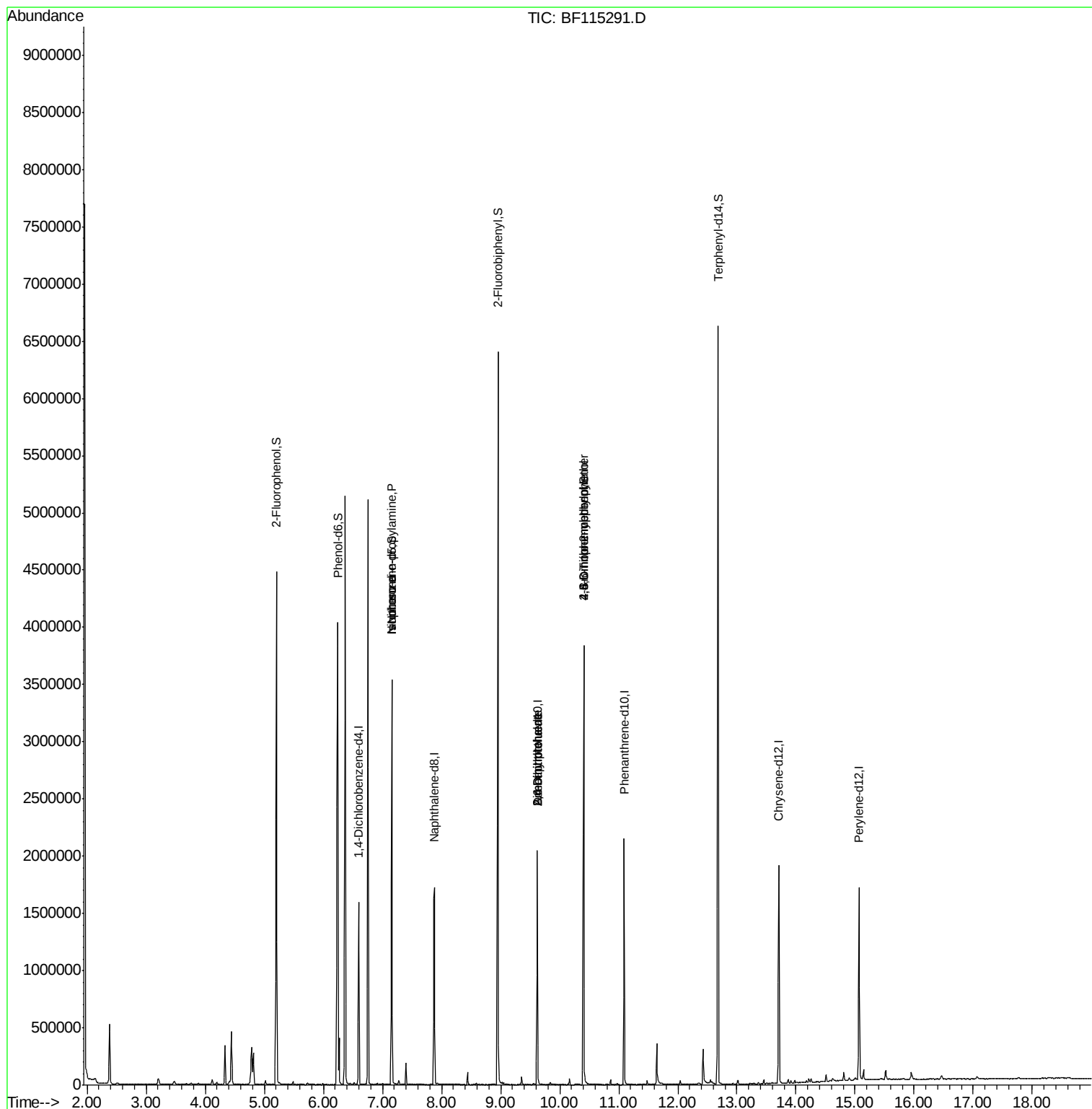
|                                |       |     |         |           |    |      |
|--------------------------------|-------|-----|---------|-----------|----|------|
| Target Compounds               |       |     |         | Qvalue    |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.16  | 70  | 156685  | 14.123    | ng | # 77 |
| 25) Isophorone                 | 7.16  | 82  | 1170161 | 41.912    | ng | # 63 |
| 50) Dimethylphthalate          | 9.62  | 163 | 111746  | 3.740     | ng | # 1  |
| 51) 2,6-Dinitrotoluene         | 9.62  | 165 | 52343   | 7.589     | ng | # 28 |
| 57) 2,4-Dinitrotoluene         | 9.62  | 165 | 52343   | 5.877     | ng | # 30 |
| 58) Fluorene                   | 10.40 | 166 | 26591   | Below Cal |    | # 90 |
| 65) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 1247    | 5.219     | ng | # 1  |
| 67) 4-Bromophenyl-phenylether  | 10.41 | 248 | 36421   | 4.136     | ng | # 1  |

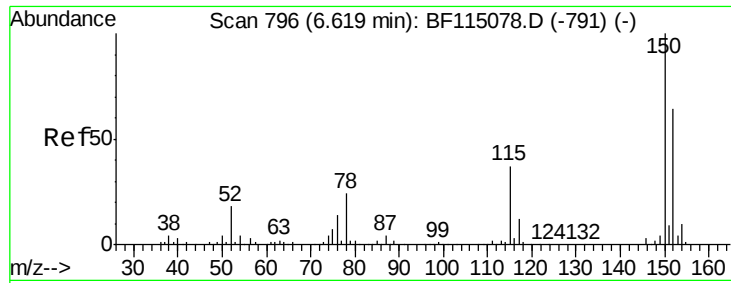
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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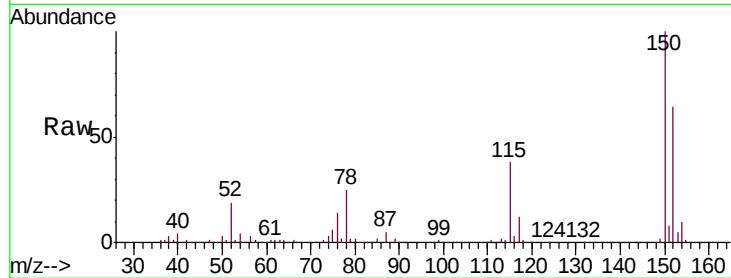




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.60 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF115291.D  
 Acq: 28 Jun 2019 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 124.2 | 186.2 |
| 115     | 59.9  | 46.1  | 69.1  |

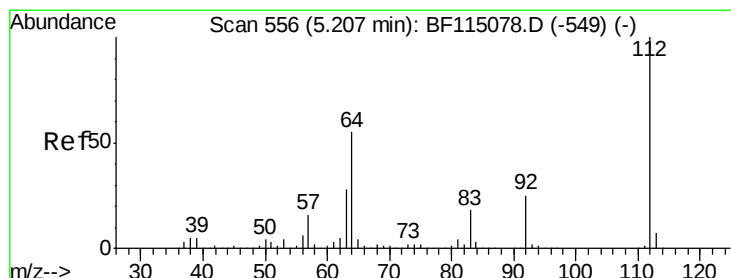
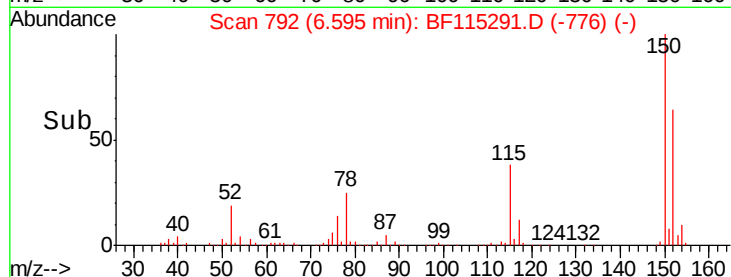
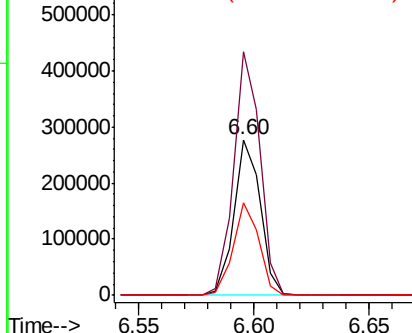


Abundance

Ion 152.00 (151.70 to 152.70): E

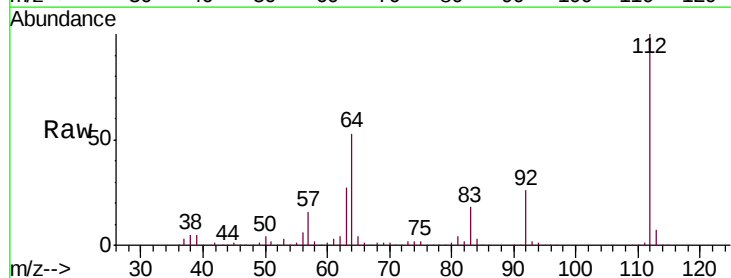
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 100.293 ng  
 RT: 5.21 min Scan# 556  
 Delta R.T. 0.02 min  
 Lab File: BF115291.D  
 Acq: 28 Jun 2019 19:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.4  | 43.8  | 65.6  |
| 63      | 27.1  | 22.2  | 33.4  |

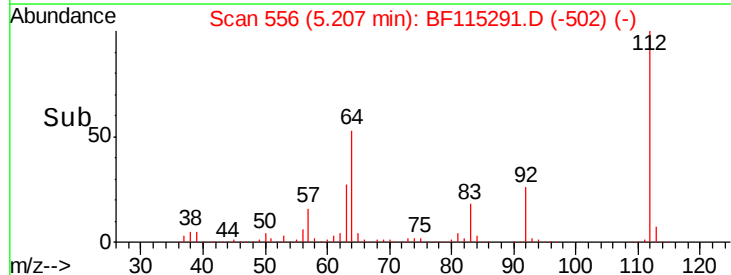
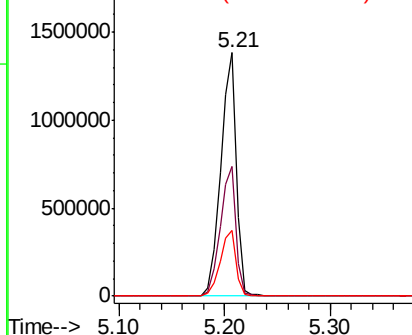


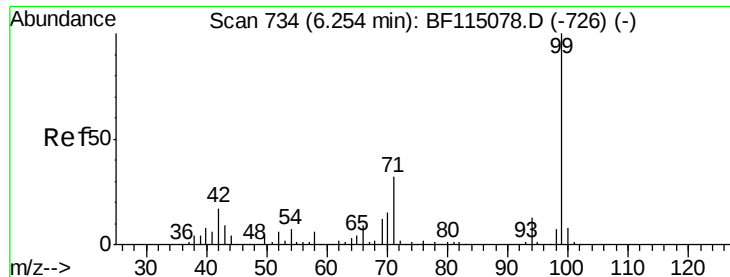
Abundance

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: 93.301 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-16

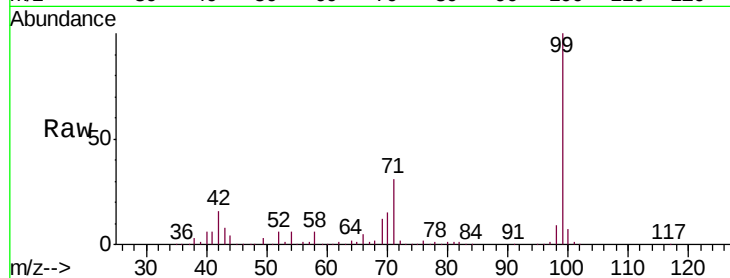
Tgt Ion: 99 Resp: 1616781

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

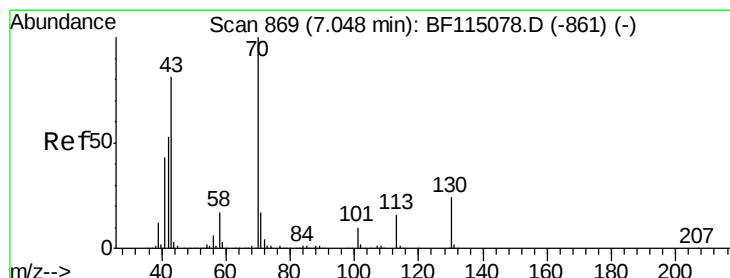
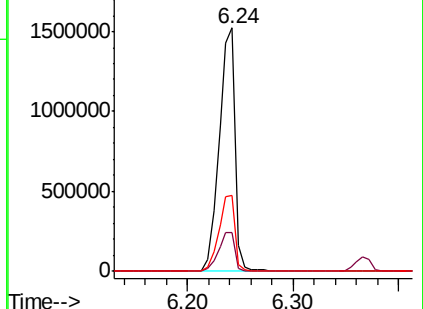
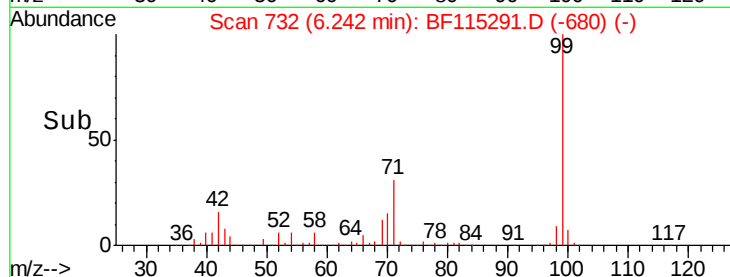
71 31.1 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.123 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Tgt Ion: 70 Resp: 156685

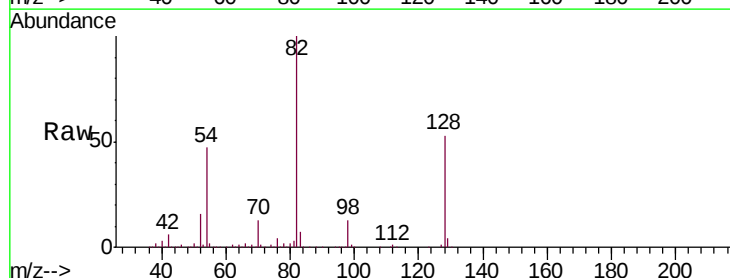
Ion Ratio Lower Upper

70 100

42 43.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.4 19.4 29.0#

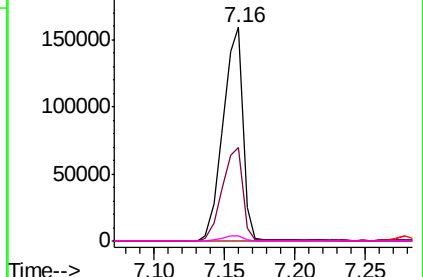
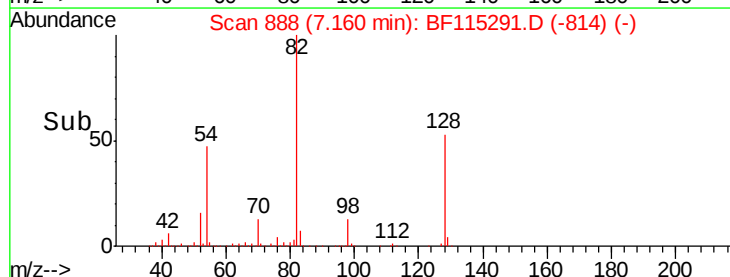


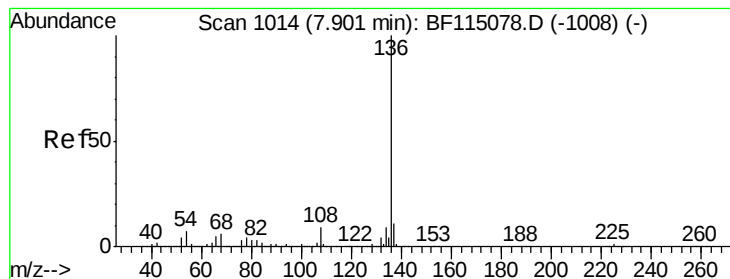
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-16

Tgt Ion: 136 Resp: 838394

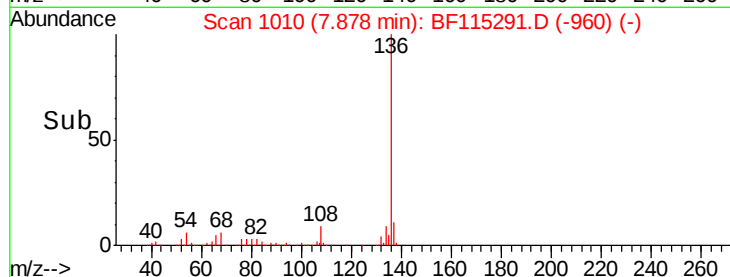
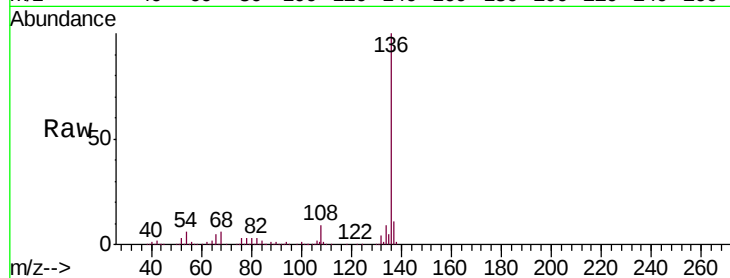
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.3 5.6 8.4

68 5.6 4.8 7.2

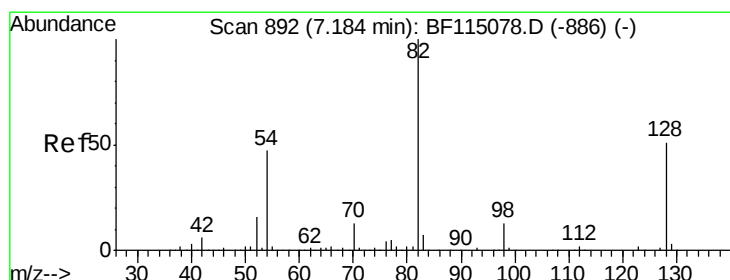
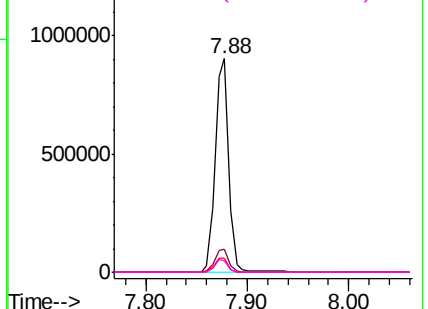


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.337 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

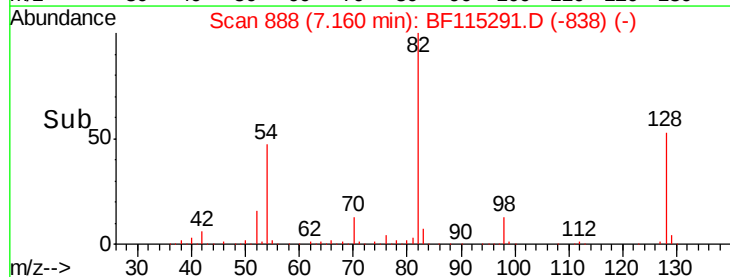
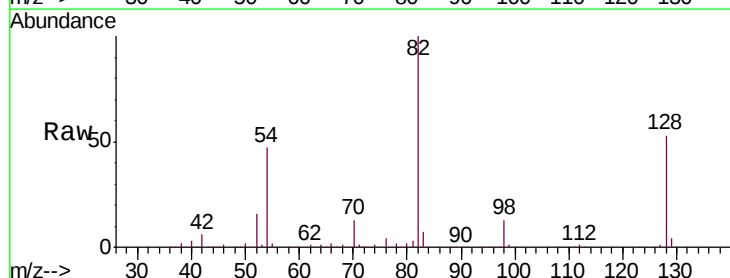
Tgt Ion: 82 Resp: 1176691

Ion Ratio Lower Upper

82 100

128 53.3 40.4 60.6

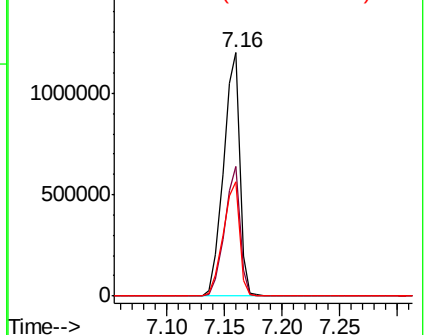
54 46.7 37.5 56.3



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: 41.912 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-16

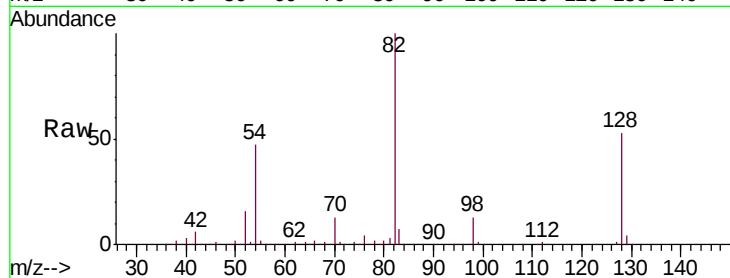
Tgt Ion: 82 Resp: 1170161

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

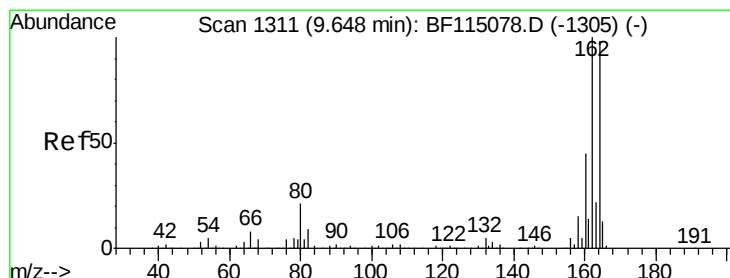
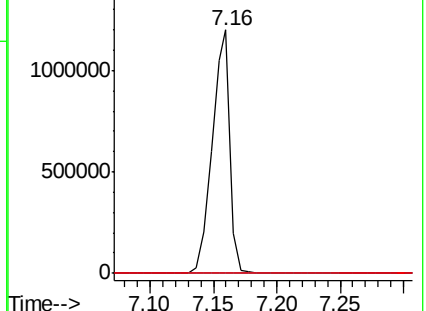
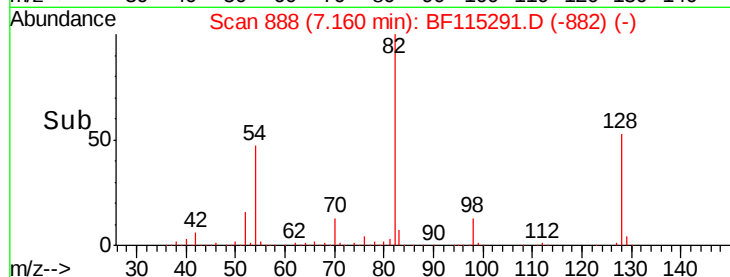
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

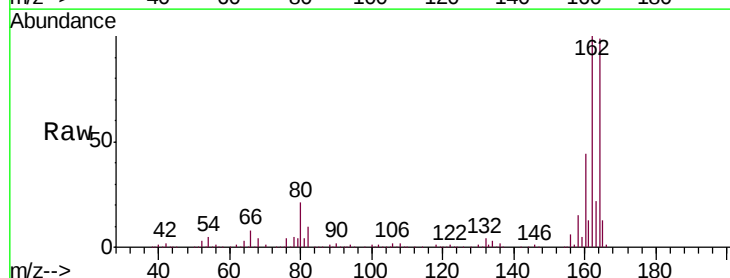
Tgt Ion: 164 Resp: 406063

Ion Ratio Lower Upper

164 100

162 101.0 81.7 122.5

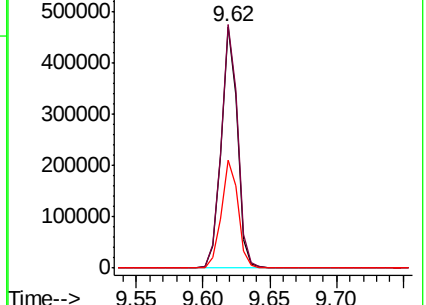
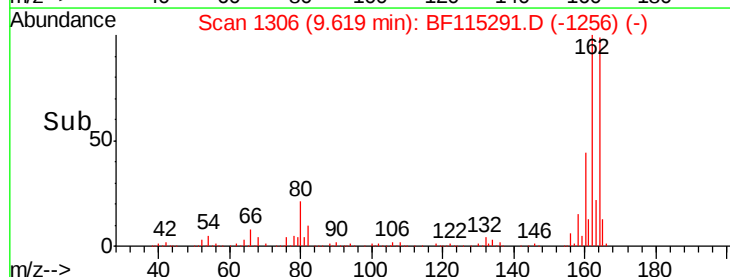
160 44.6 37.0 55.4

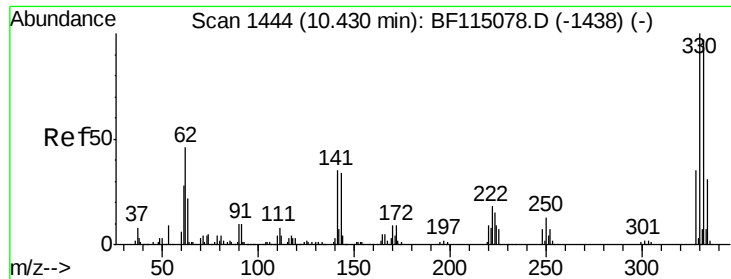


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 134.636 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-16

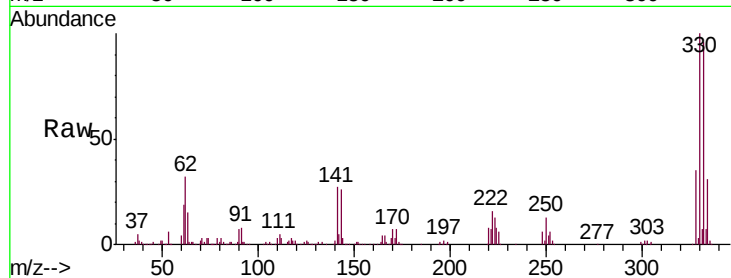
Tgt Ion:330 Resp: 576522

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

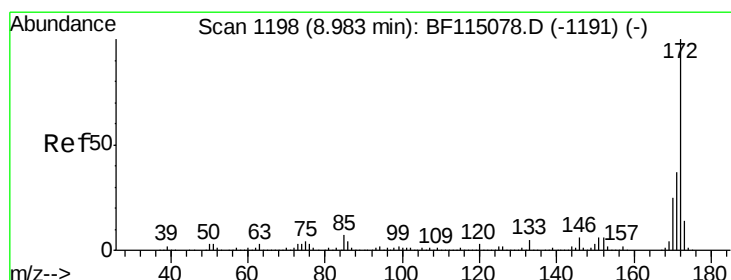
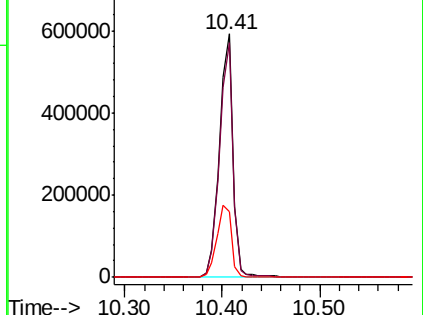
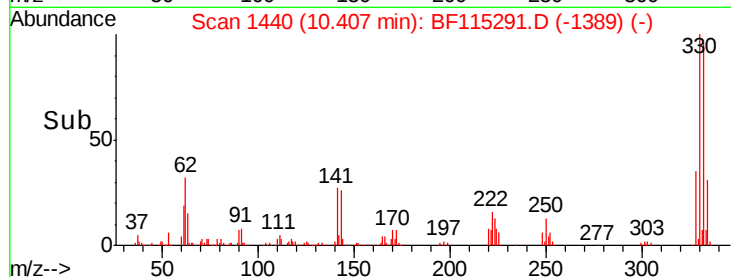
141 32.1 28.2 42.2



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



#45

2-Fluorobiphenyl

Concen: 93.094 ng

RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

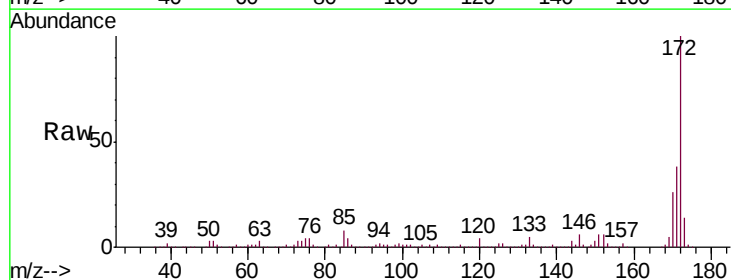
Tgt Ion:172 Resp: 2225458

Ion Ratio Lower Upper

172 100

171 38.1 29.8 44.6

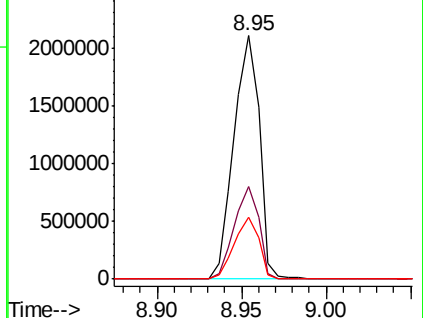
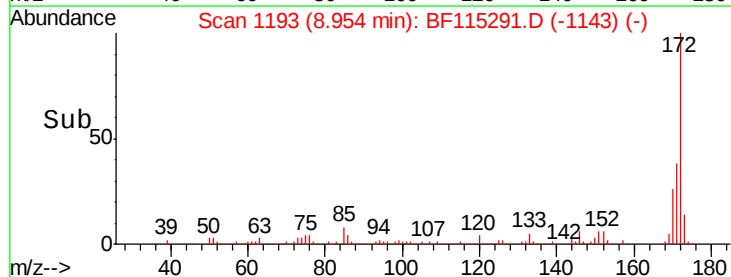
170 25.6 20.3 30.5

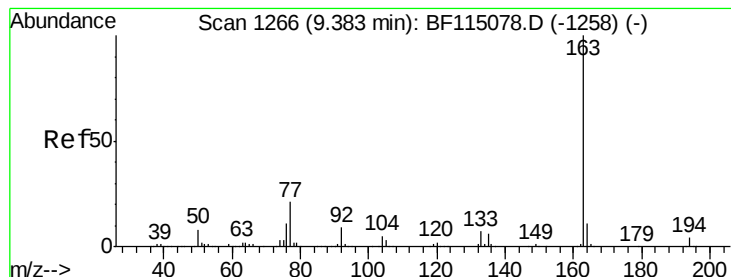


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.740 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.26 min

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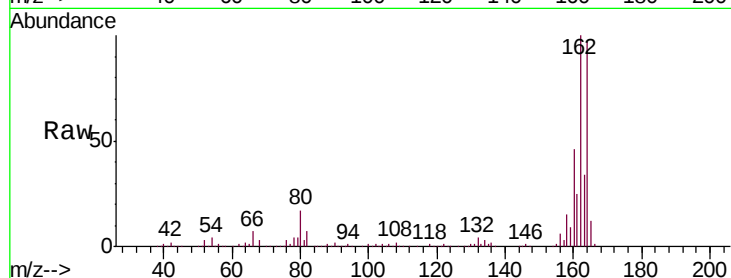
Tgt Ion:163 Resp: 111746

Ion Ratio Lower Upper

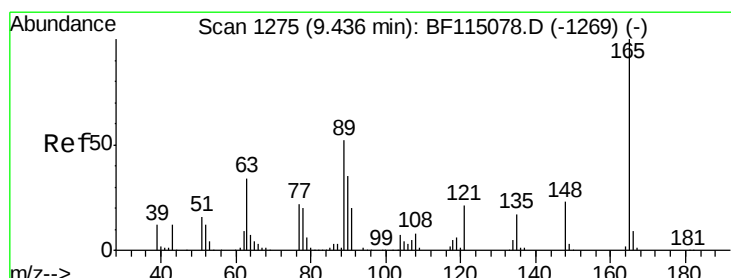
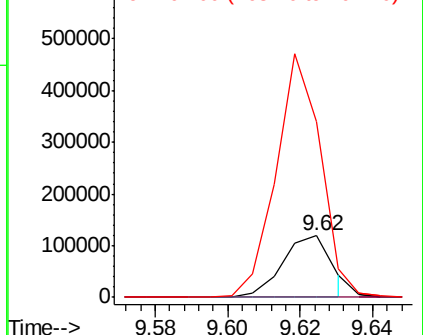
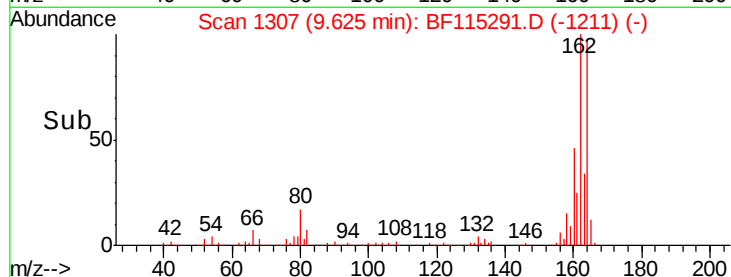
163 100

194 0.0 3.2 4.8#

164 285.2 8.6 13.0#



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: 7.589 ng

RT: 9.62 min Scan# 1306

Delta R.T. 0.21 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

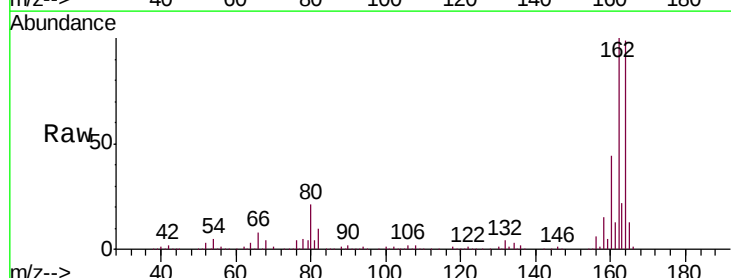
Tgt Ion:165 Resp: 52343

Ion Ratio Lower Upper

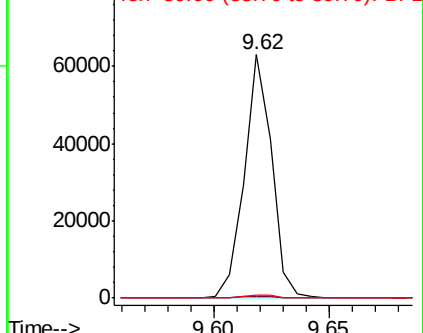
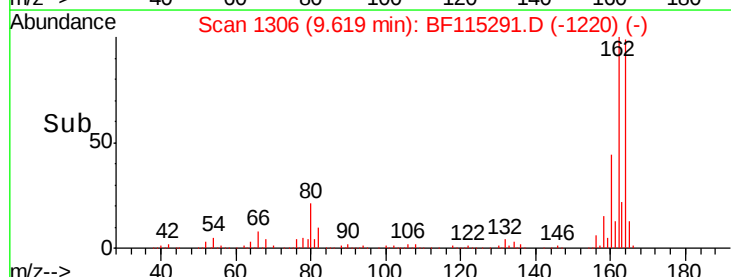
165 100

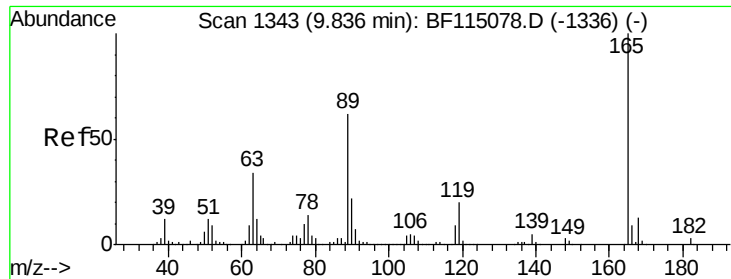
63 0.9 39.4 59.2#

89 1.5 42.0 63.0#



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

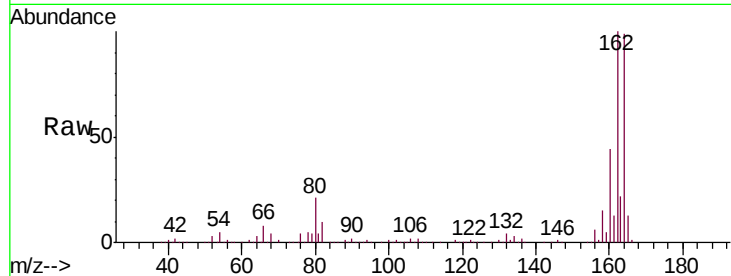




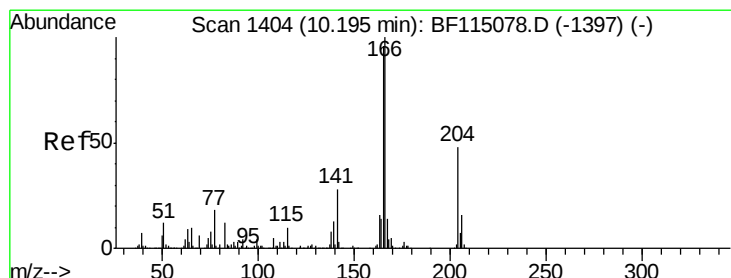
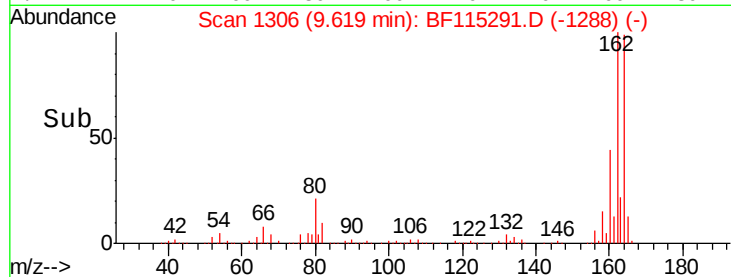
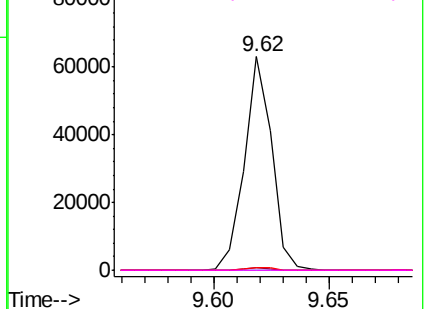
#57  
2,4-Dinitrotoluene  
Concen: 5.877 ng  
RT: 9.62 min Scan# 1306  
Delta R.T. -0.19 min  
Lab File: BF115291.D  
Acq: 28 Jun 2019 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 52343 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 0.9   | 27.5  | 41.3# |
| 89        | 1.5   | 49.9  | 74.9# |
| 182       | 0.0   | 2.1   | 3.1#  |

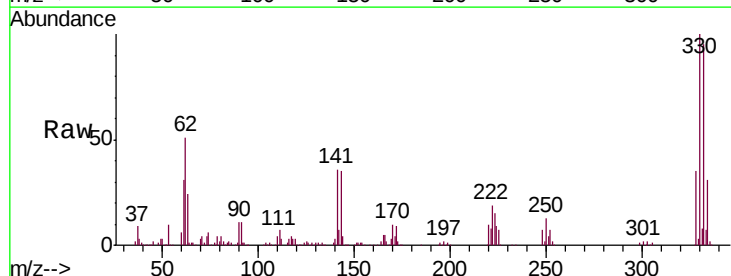


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

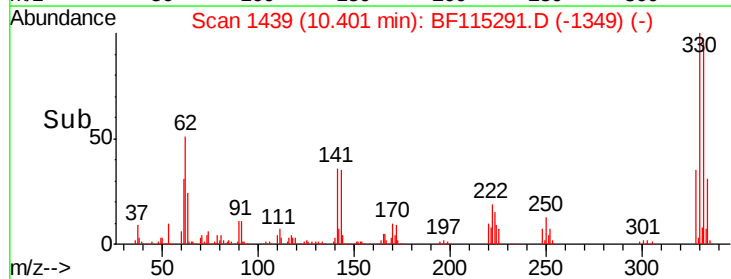
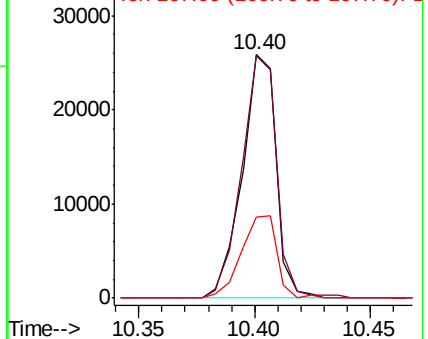


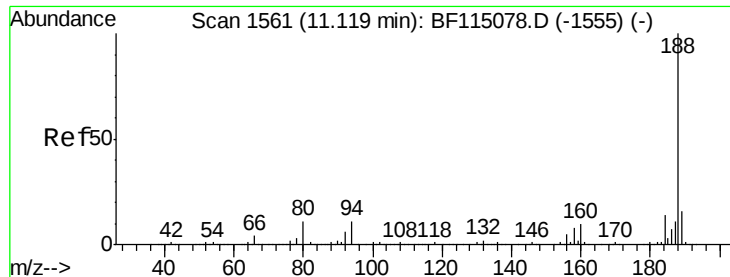
#58  
Fluorene  
Concen: Below Cal  
RT: 10.40 min Scan# 1439  
Delta R.T. 0.23 min  
Lab File: BF115291.D  
Acq: 28 Jun 2019 19:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 26591 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 99.7  | 76.5  | 114.7 |
| 167       | 33.1  | 11.0  | 16.4# |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.09 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-16

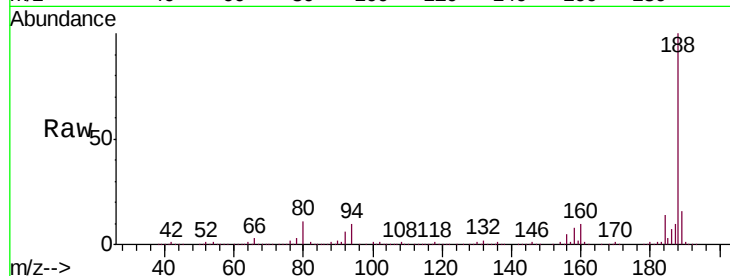
Tgt Ion:188 Resp: 812141

Ion Ratio Lower Upper

188 100

94 10.4 8.6 12.8

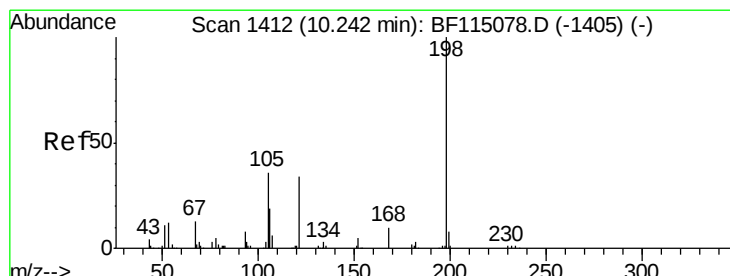
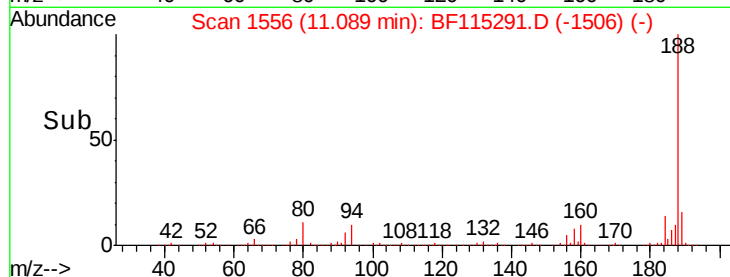
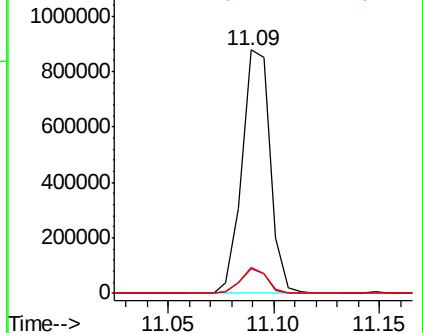
80 10.8 8.8 13.2



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: 5.219 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

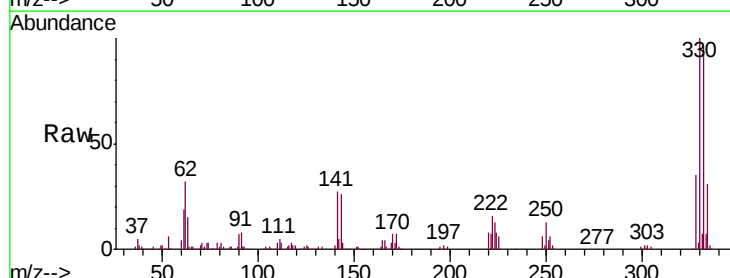
Tgt Ion:198 Resp: 1247

Ion Ratio Lower Upper

198 100

51 117.9 11.0 51.0#

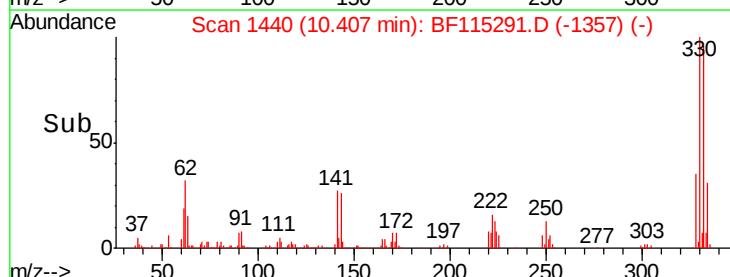
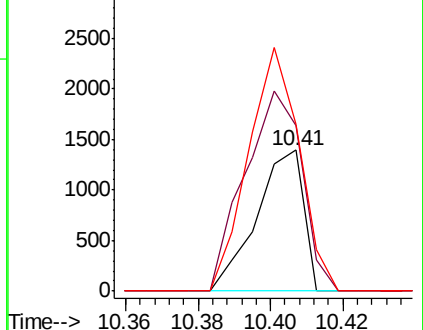
105 118.4 17.3 57.3#

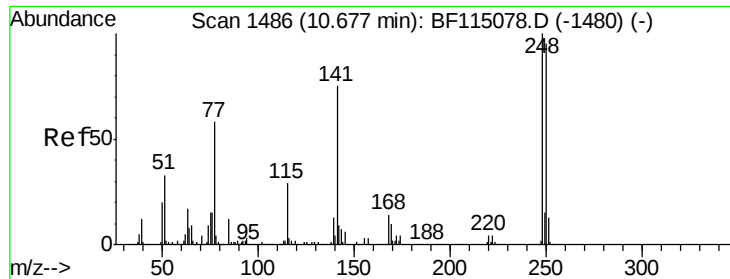


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

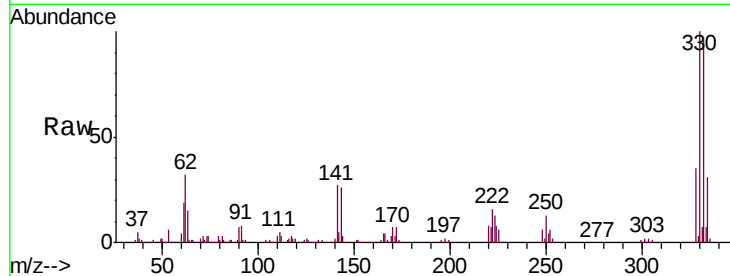




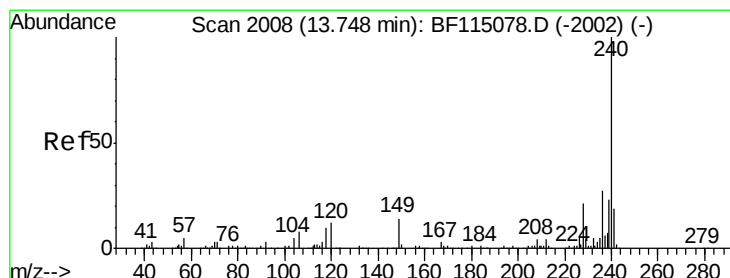
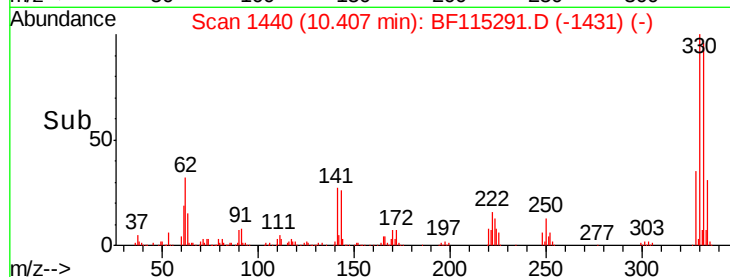
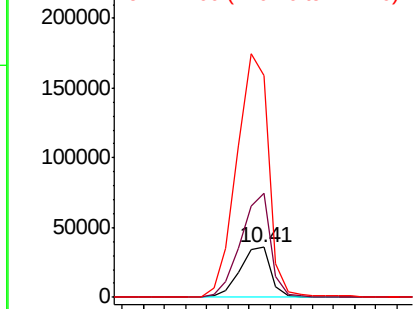
#67  
4-Bromophenyl-phenylether  
Concen: 4.136 ng  
RT: 10.41 min Scan# 1440  
Delta R.T. -0.25 min  
Lab File: BF115291.D  
Acq: 28 Jun 2019 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-16

Tgt Ion:248 Resp: 36421  
Ion Ratio Lower Upper  
248 100  
250 209.0 76.2 114.2#  
141 445.2 59.6 89.4#

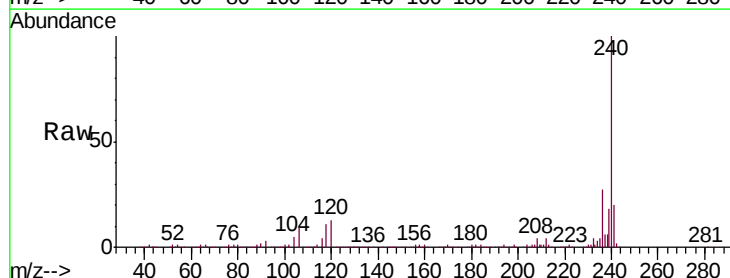


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

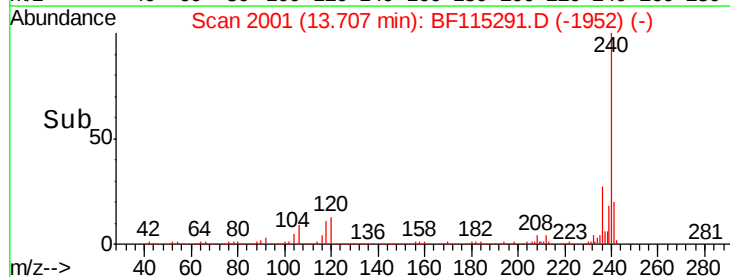
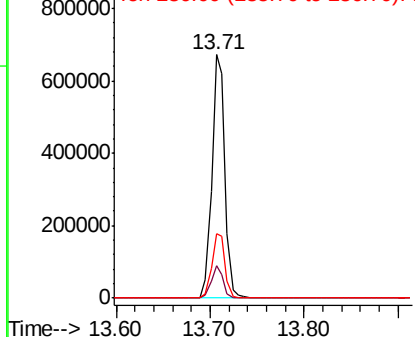


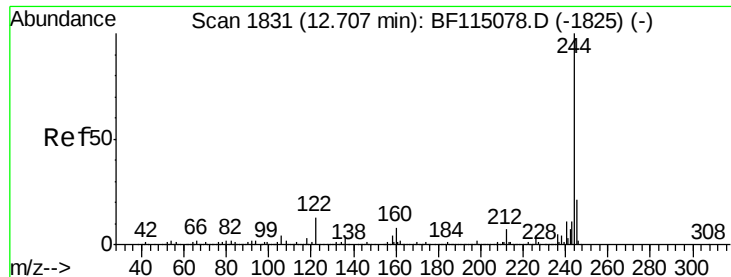
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.71 min Scan# 2001  
Delta R.T. -0.01 min  
Lab File: BF115291.D  
Acq: 28 Jun 2019 19:44

Tgt Ion:240 Resp: 658367  
Ion Ratio Lower Upper  
240 100  
120 13.1 9.4 14.2  
236 26.6 21.7 32.5



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: 84.106 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-16

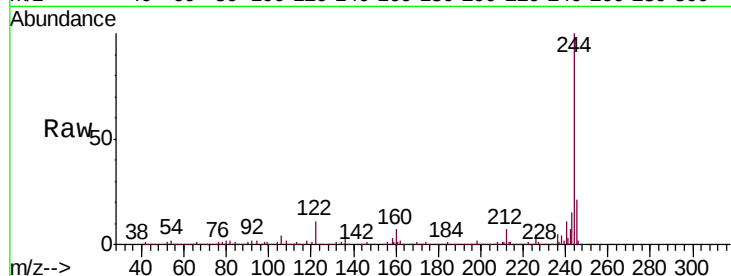
Tgt Ion:244 Resp: 2604339

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

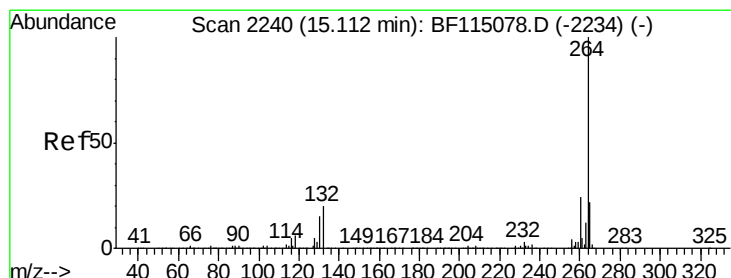
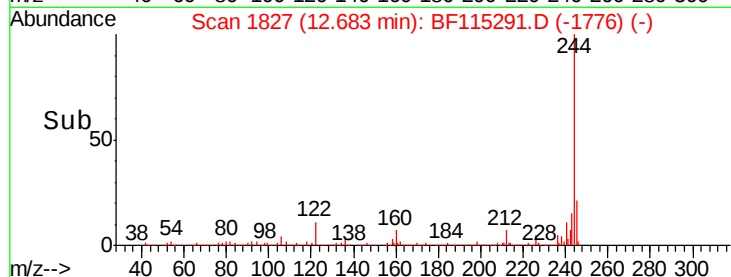
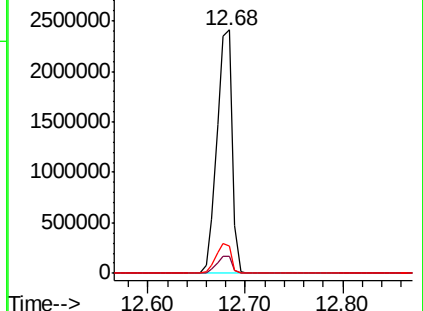
122 11.2 10.4 15.6



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: 20.000 ng

RT: 15.07 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF115291.D

Acq: 28 Jun 2019 19:44

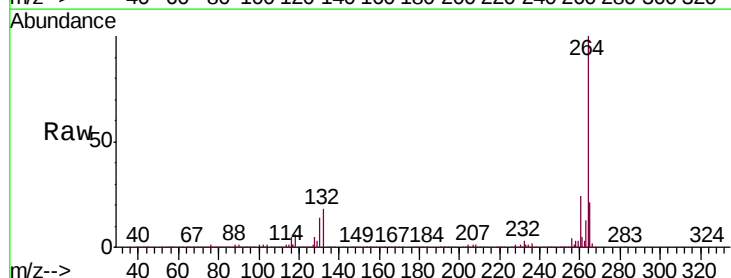
Tgt Ion:264 Resp: 676179

Ion Ratio Lower Upper

264 100

260 24.4 19.6 29.4

265 21.4 17.3 25.9



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

