

Data File : BF115271.D  
Acq On : 28 Jun 2019 10:38  
Operator : HP/JU  
Sample : PB120885BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB120885BL

Quant Time: Jun 29 02:30:33 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

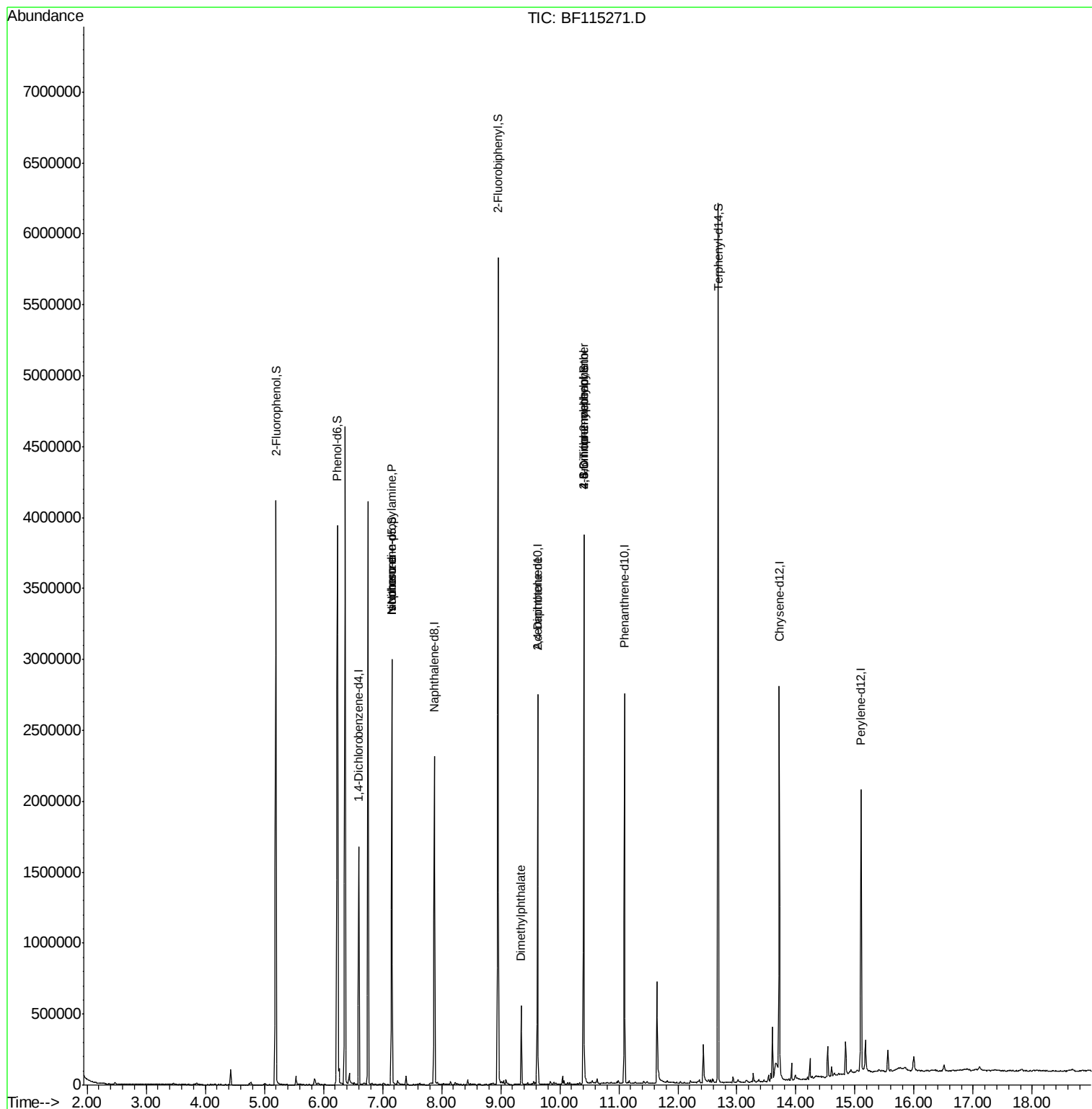
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.60  | 152  | 262010   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.88  | 136  | 1023255  | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.62  | 164  | 508428   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.10 | 188  | 1009581  | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.72 | 240  | 830855   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.11 | 264  | 903743   | 20.00     | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 1266961  | 74.62     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.24  | 99   | 1640080  | 79.58     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.16  | 82   | 978754   | 58.84     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.41 | 330  | 504993   | 94.19     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 8.96  | 172  | 1950497  | 65.16     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.68 | 244  | 2320989  | 59.39     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.16  | 70   | 128801   | 9.762     | ng    | # 77     |
| 25) Isophorone                 | 7.16  | 82   | 972540   | 28.541    | ng    | # 63     |
| 50) Dimethylphthalate          | 9.35  | 163  | 206928   | 5.532     | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 9.62  | 165  | 65662    | 5.889     | ng    | # 30     |
| 58) Fluorene                   | 10.41 | 166  | 22160    | Below Cal |       | # 87     |
| 65) 4,6-Dinitro-2-methylphenol | 10.41 | 198  | 1038     | 5.133     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.41 | 248  | 31251    | 2.855     | ng    | # 1      |

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

Data File : BF115271.D  
Acq On : 28 Jun 2019 10:38  
Operator : HP/JU  
Sample : PB120885BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB120885BL

Quant Time: Jun 29 02:30:33 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

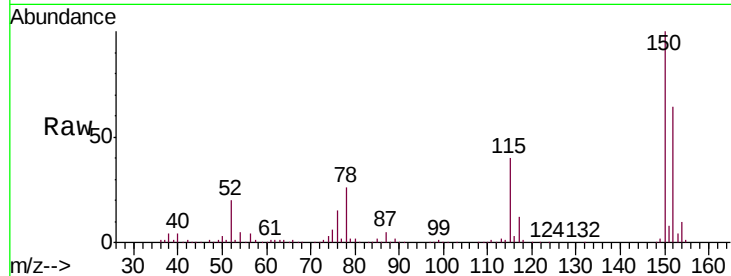




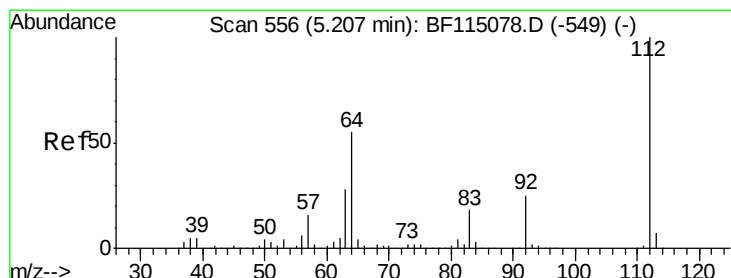
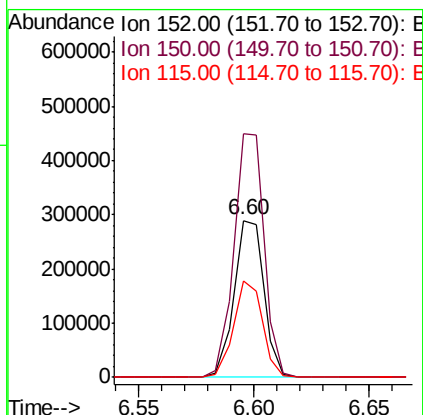
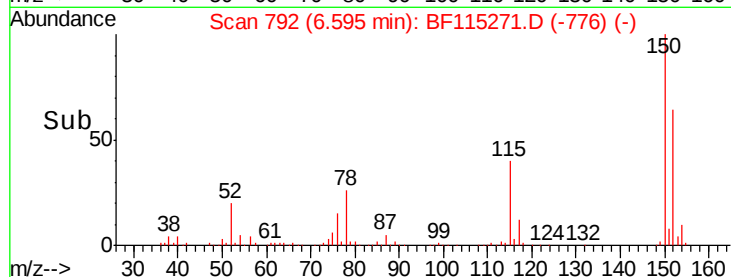
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.60 min Scan# 792  
 Delta R.T. -0.01 min  
 Lab File: BF115271.D  
 Acq: 28 Jun 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120885BL

Tgt Ion:152 Resp: 262010  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 124.2 186.2  
 115 61.5 46.1 69.1

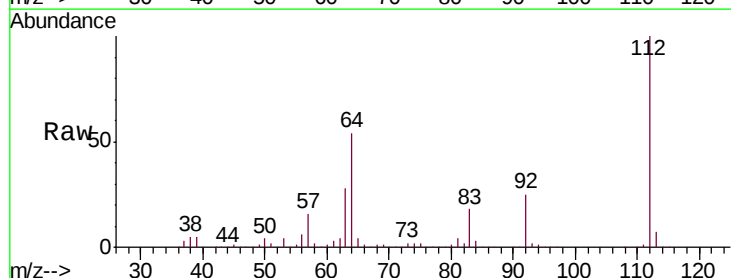


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

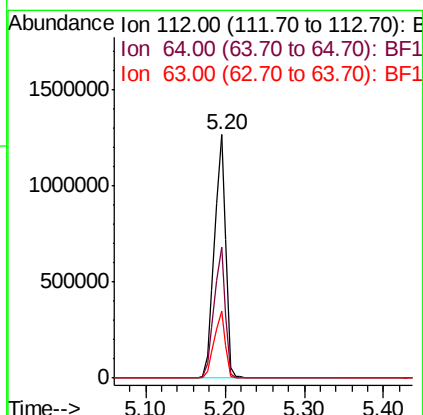
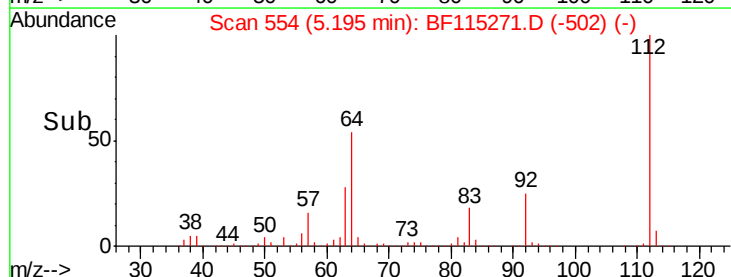


#5  
 2-Fluorophenol  
 Concen: 74.621 ng  
 RT: 5.20 min Scan# 554  
 Delta R.T. 0.01 min  
 Lab File: BF115271.D  
 Acq: 28 Jun 2019 10:38

Tgt Ion:112 Resp: 1266961  
 Ion Ratio Lower Upper  
 112 100  
 64 53.8 43.8 65.6  
 63 27.6 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: 79.585 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB120885BL

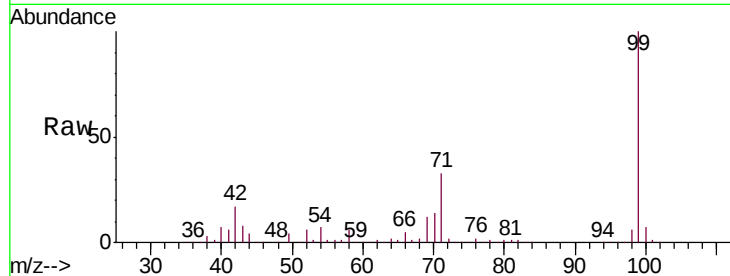
Tgt Ion: 99 Resp: 1640080

Ion Ratio Lower Upper

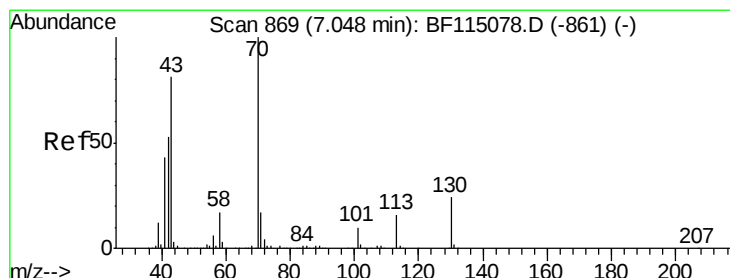
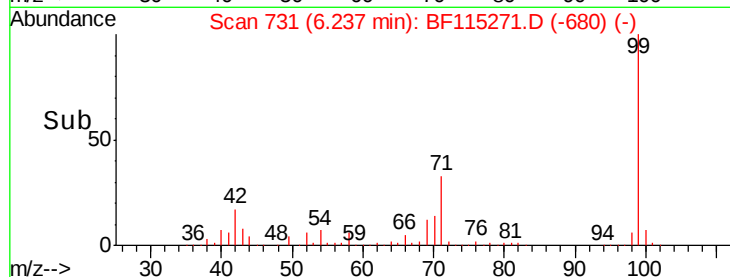
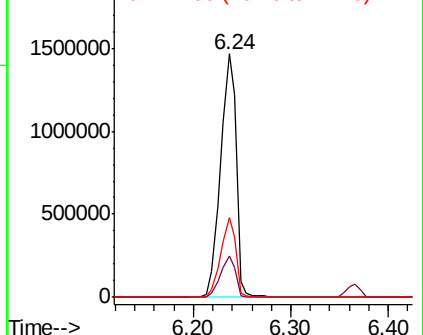
99 100

42 17.0 13.6 20.4

71 32.5 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: 9.762 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Tgt Ion: 70 Resp: 128801

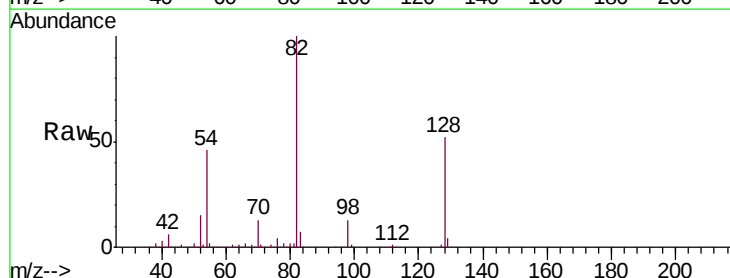
Ion Ratio Lower Upper

70 100

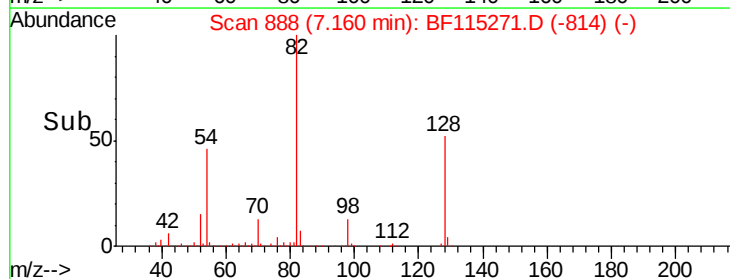
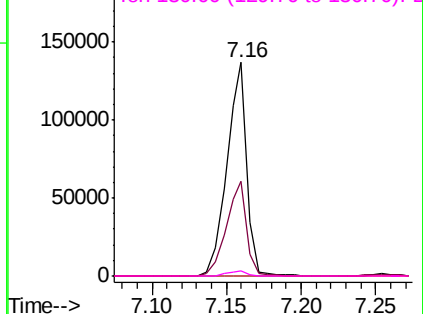
42 44.3 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 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: BF115271.D

Acq: 28 Jun 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB120885BL

Tgt Ion:136 Resp: 1023255

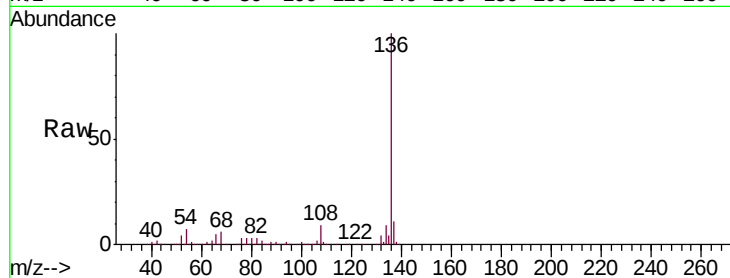
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.1 5.6 8.4

68 6.1 4.8 7.2

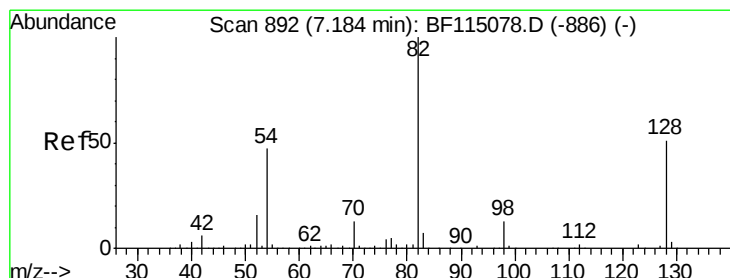
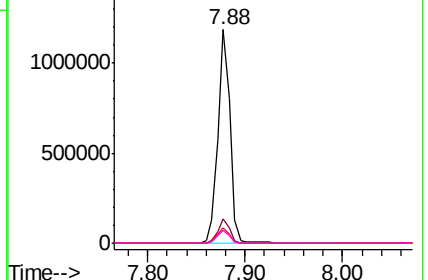
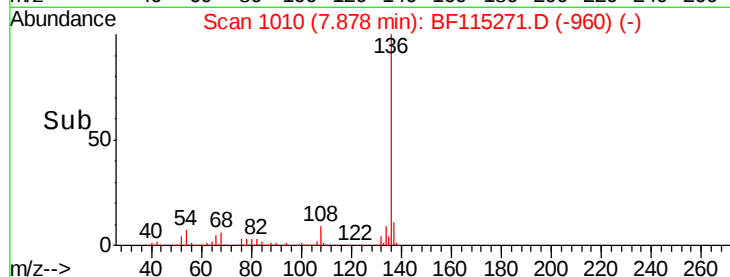


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.840 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

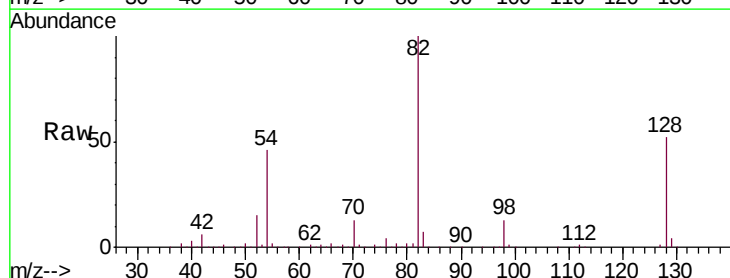
Tgt Ion: 82 Resp: 978754

Ion Ratio Lower Upper

82 100

128 51.9 40.4 60.6

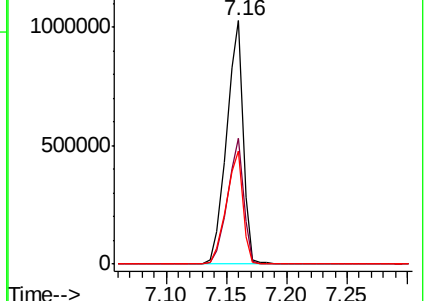
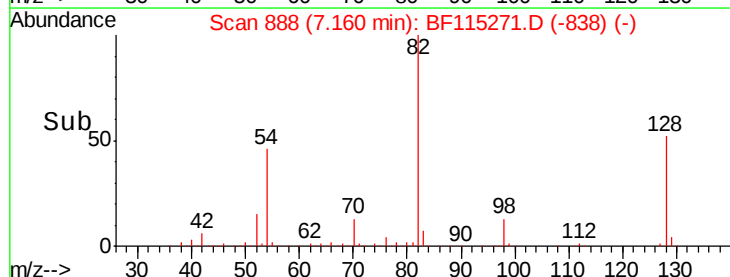
54 46.4 37.5 56.3

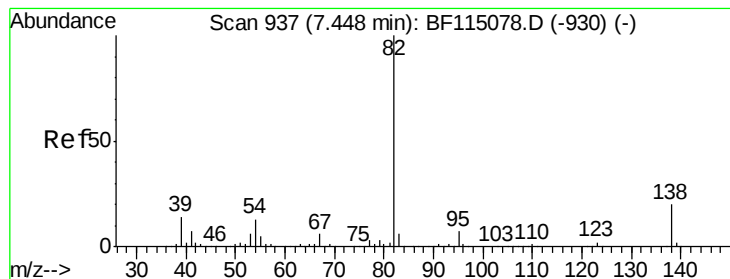


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.541 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB120885BL

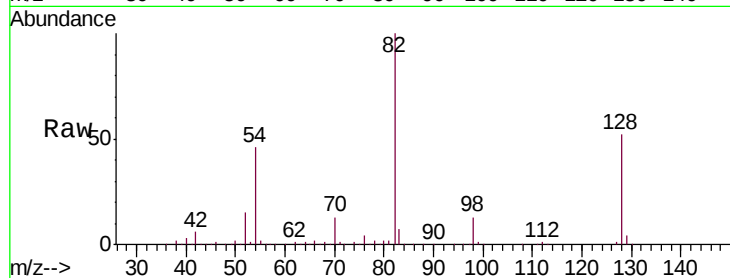
Tgt Ion: 82 Resp: 972540

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

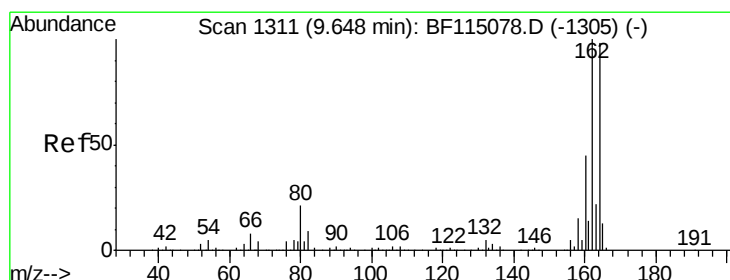
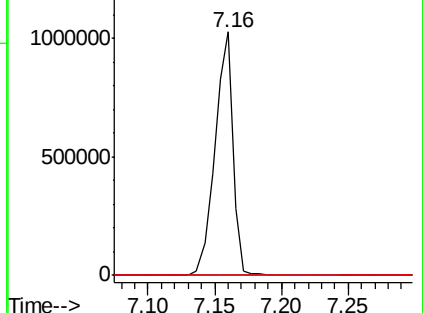
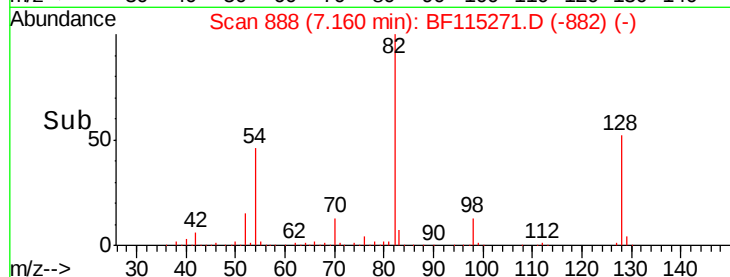
138 0.0 15.9 23.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

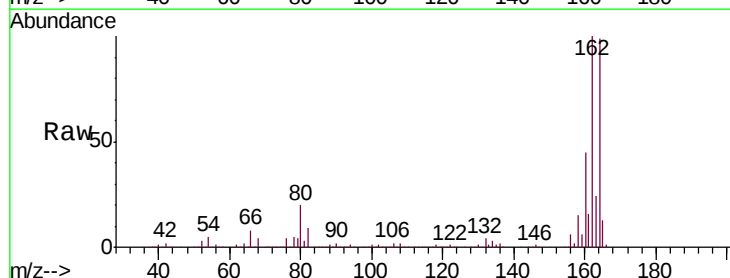
Tgt Ion: 164 Resp: 508428

Ion Ratio Lower Upper

164 100

162 101.2 81.7 122.5

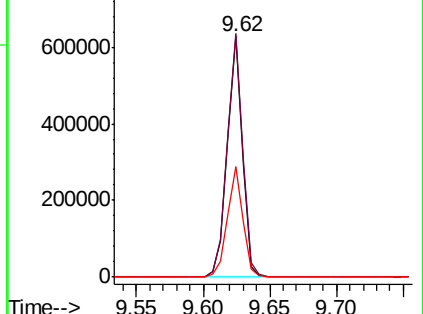
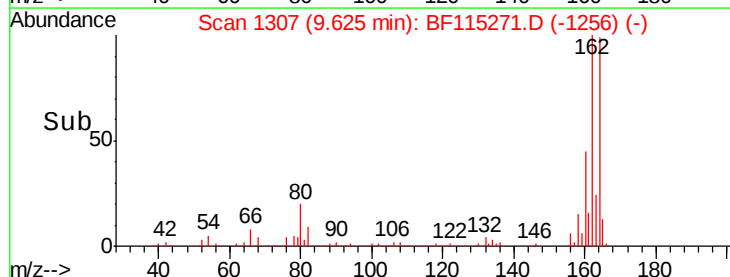
160 45.7 37.0 55.4

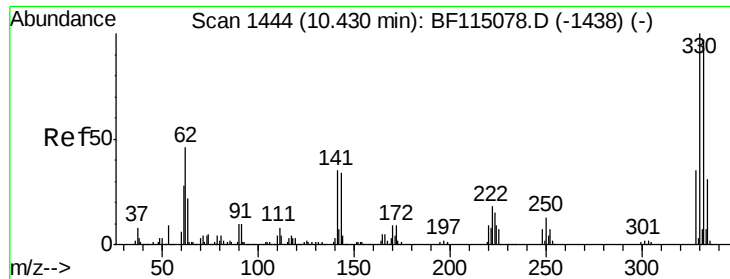


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

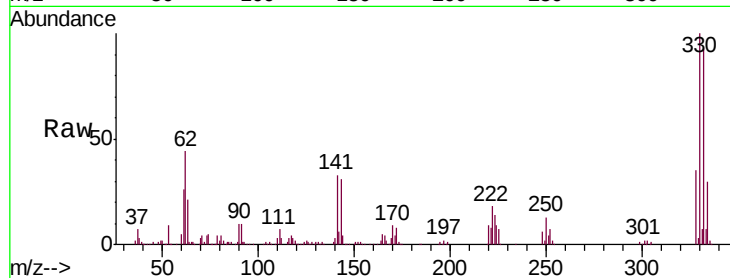




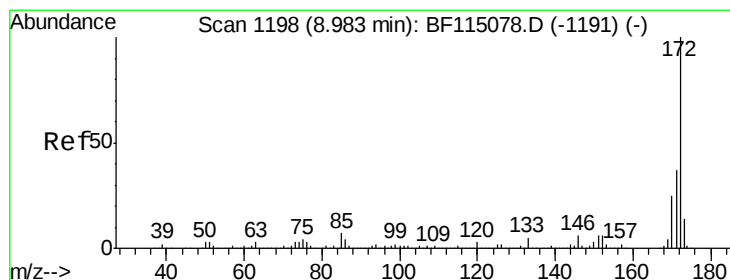
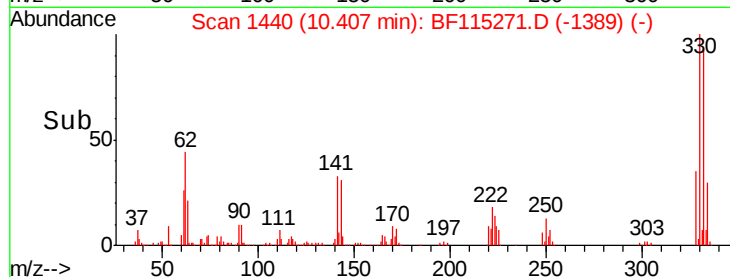
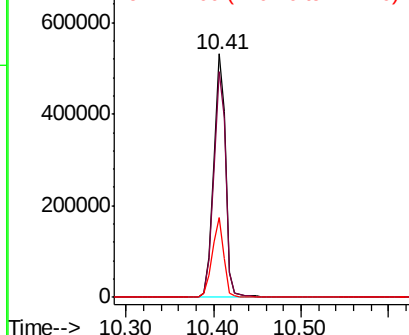
#42  
 2,4,6-Tribromophenol  
 Concen: 94.188 ng  
 RT: 10.41 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: BF115271.D  
 Acq: 28 Jun 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120885BL

Tgt Ion:330 Resp: 504993  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 77.3 115.9  
 141 31.8 28.2 42.2

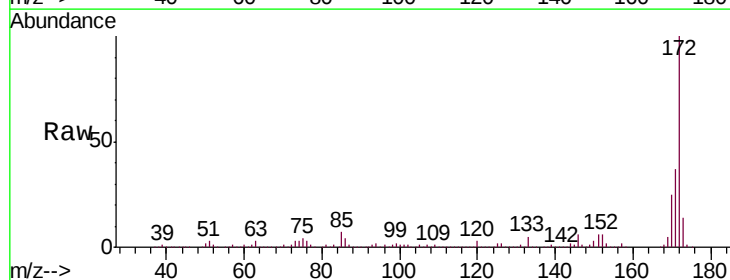


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

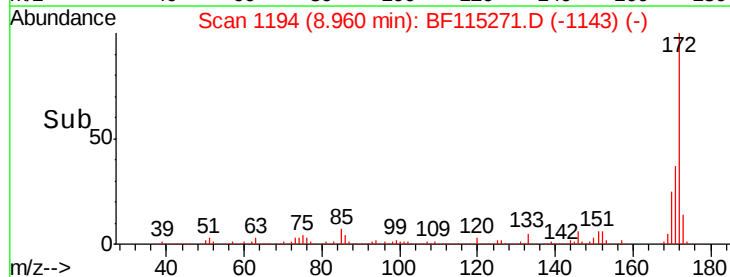
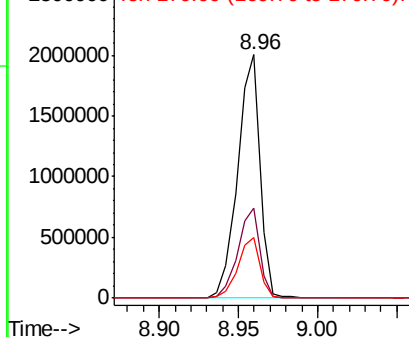


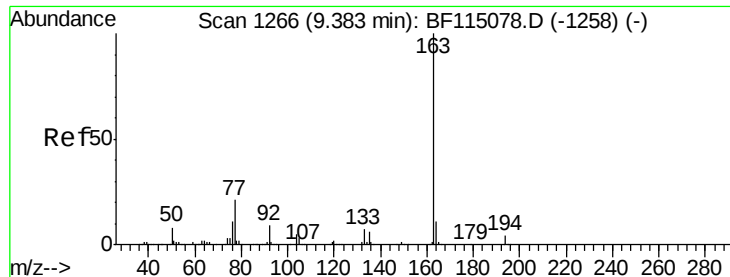
#45  
 2-Fluorobiphenyl  
 Concen: 65.165 ng  
 RT: 8.96 min Scan# 1194  
 Delta R.T. 0.00 min  
 Lab File: BF115271.D  
 Acq: 28 Jun 2019 10:38

Tgt Ion:172 Resp: 1950497  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.8 44.6  
 170 25.1 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: 5.532 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB120885BL

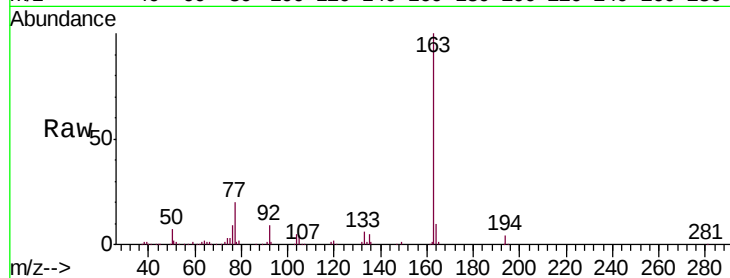
Tgt Ion:163 Resp: 206928

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

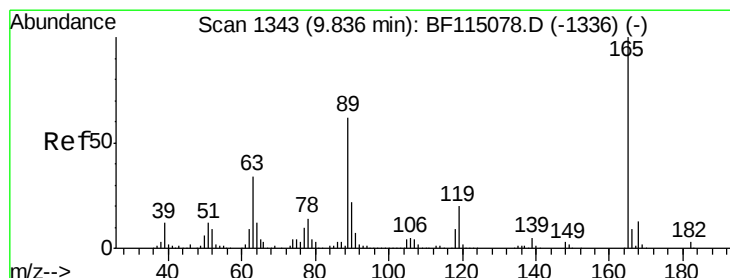
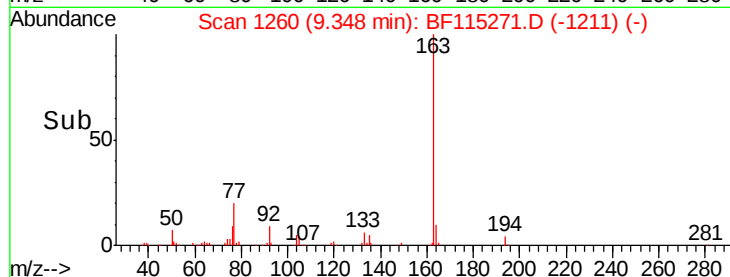
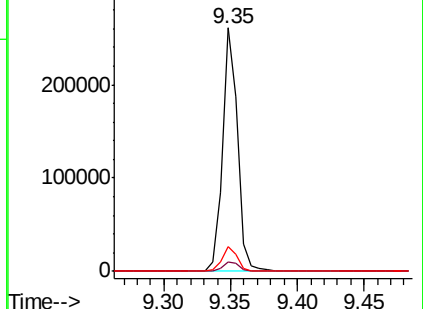
164 10.1 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 5.889 ng

RT: 9.62 min Scan# 1307

Delta R.T. -0.19 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Tgt Ion:165 Resp: 65662

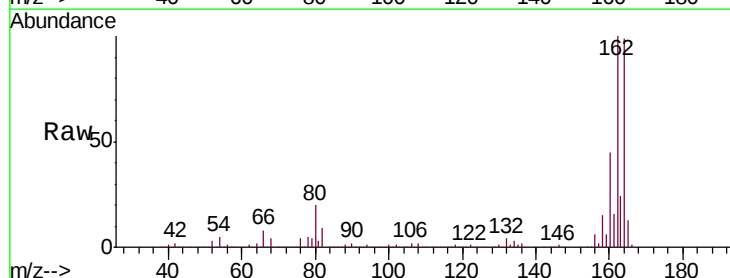
Ion Ratio Lower Upper

165 100

63 0.8 27.5 41.3#

89 1.3 49.9 74.9#

182 0.0 2.1 3.1#

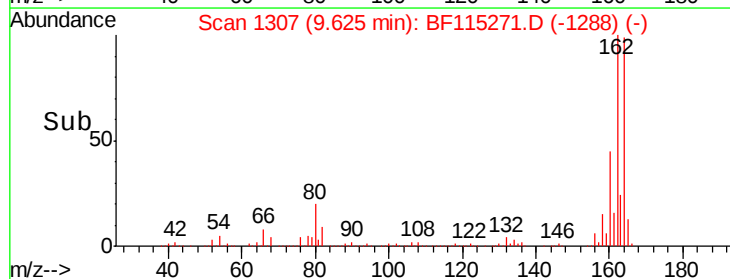
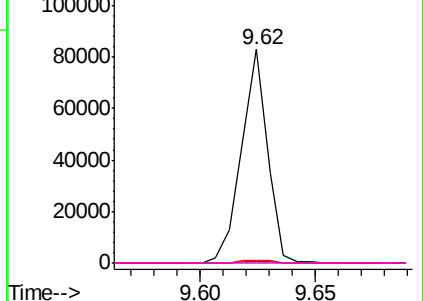


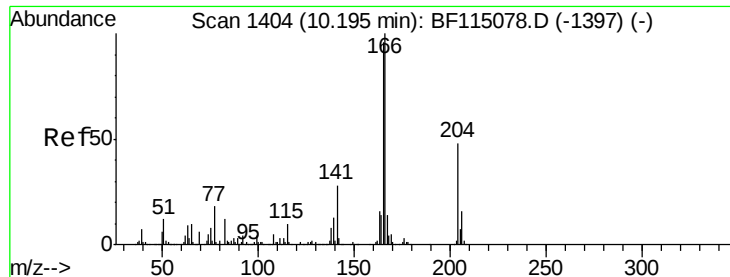
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.41 min Scan# 1440

Delta R.T. 0.24 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB120885BL

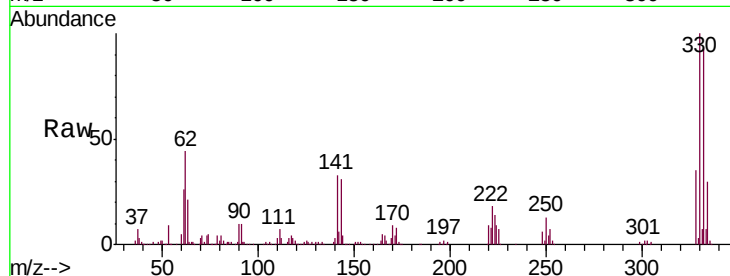
Tgt Ion:166 Resp: 22160

Ion Ratio Lower Upper

166 100

165 102.5 76.5 114.7

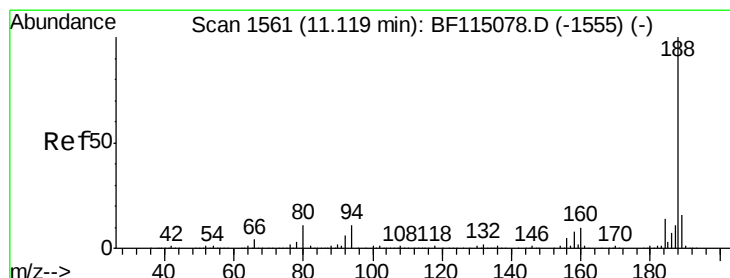
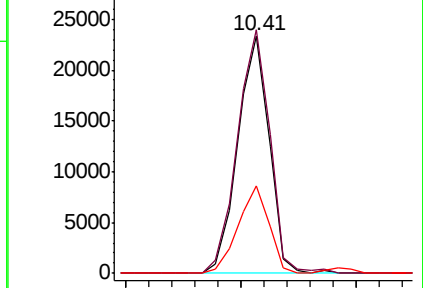
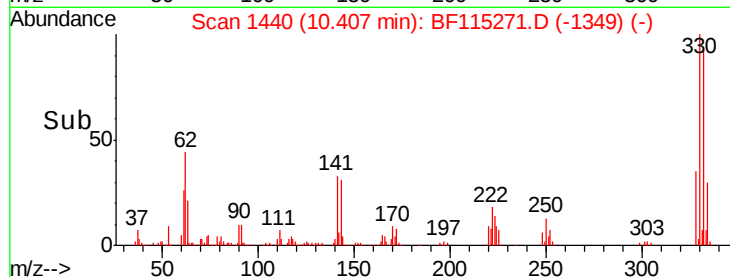
167 36.7 11.0 16.4#



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: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

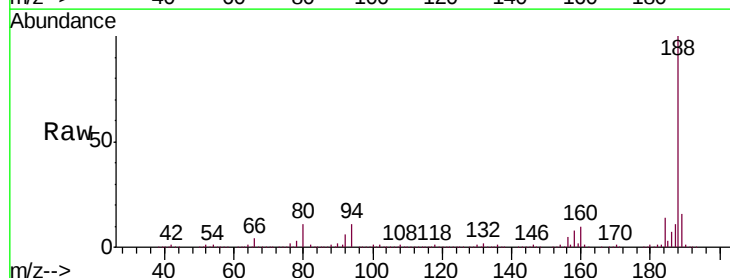
Tgt Ion:188 Resp: 1009581

Ion Ratio Lower Upper

188 100

94 10.6 8.6 12.8

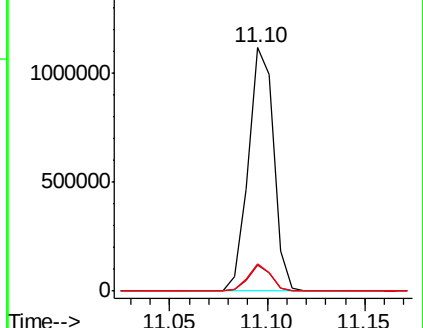
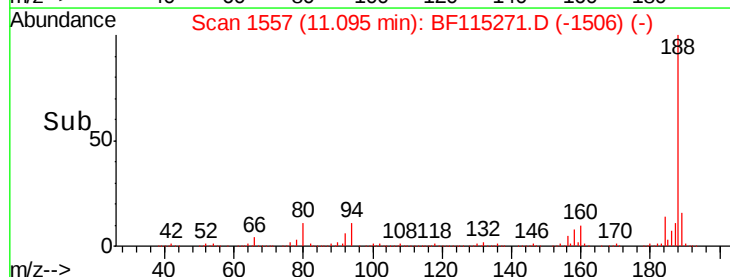
80 11.0 8.8 13.2

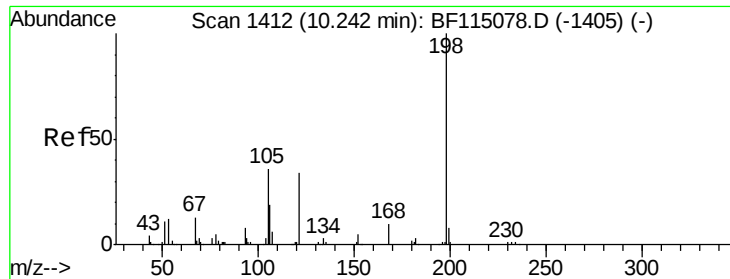


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

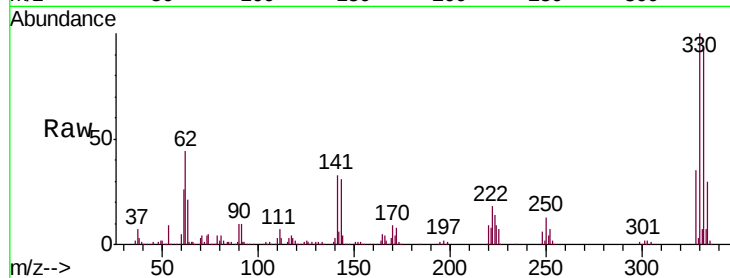




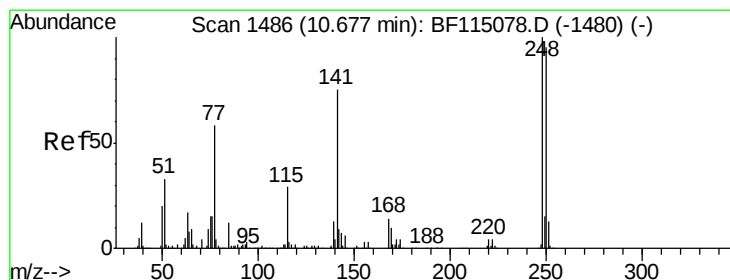
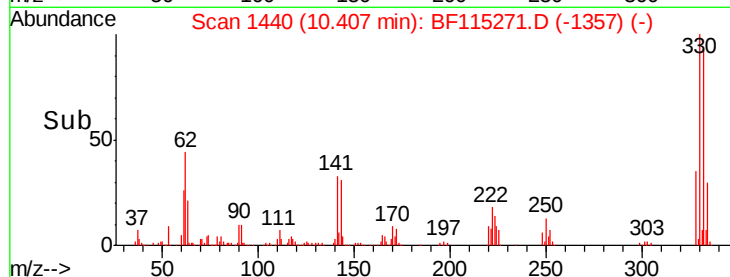
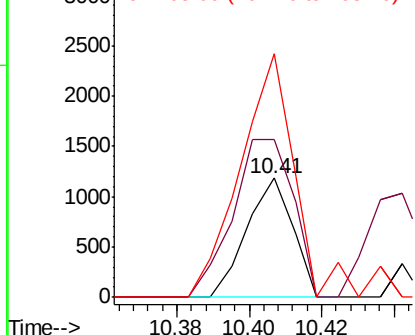
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.133 ng  
 RT: 10.41 min Scan# 1440  
 Delta R.T. 0.19 min  
 Lab File: BF115271.D  
 Acq: 28 Jun 2019 10:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120885BL

Tgt Ion:198 Resp: 1038  
 Ion Ratio Lower Upper  
 198 100  
 51 132.1 11.0 51.0#  
 105 204.3 17.3 57.3#

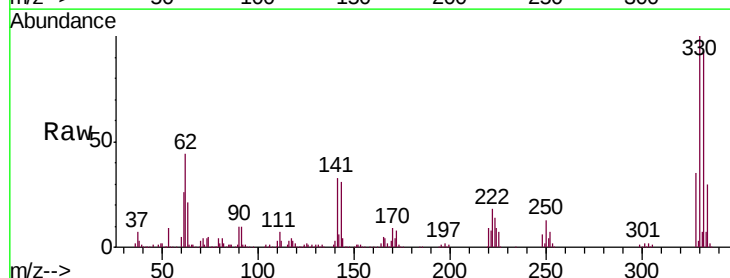


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

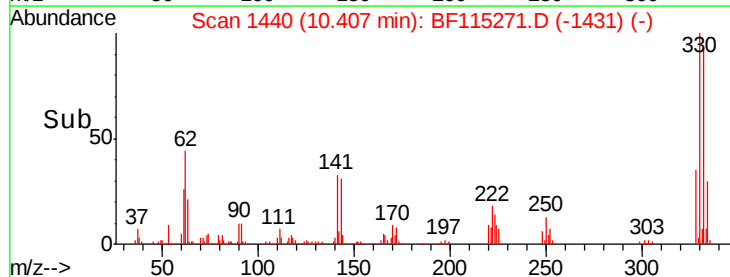
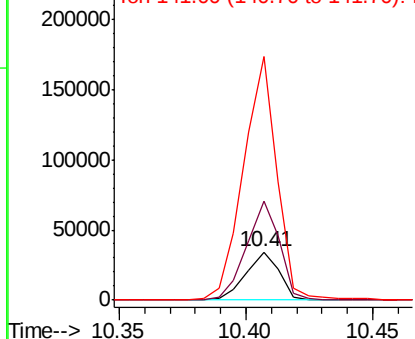


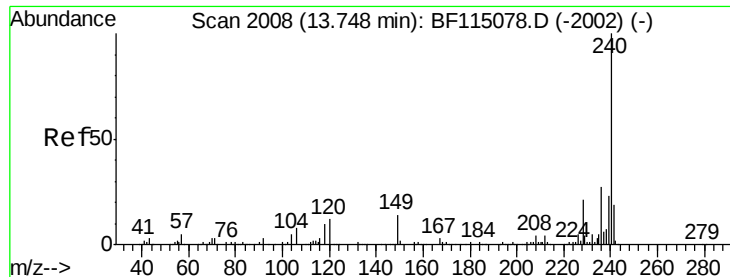
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.855 ng  
 RT: 10.41 min Scan# 1440  
 Delta R.T. -0.25 min  
 Lab File: BF115271.D  
 Acq: 28 Jun 2019 10:38

Tgt Ion:248 Resp: 31251  
 Ion Ratio Lower Upper  
 248 100  
 250 205.0 76.2 114.2#  
 141 507.1 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: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

Instrument :

BNA\_F

ClientSampleId :

PB120885BL

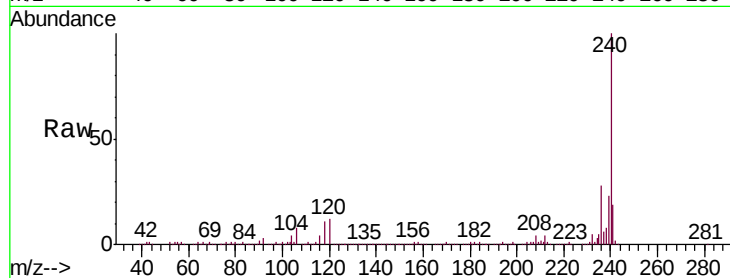
Tgt Ion:240 Resp: 830855

Ion Ratio Lower Upper

240 100

120 11.7 9.4 14.2

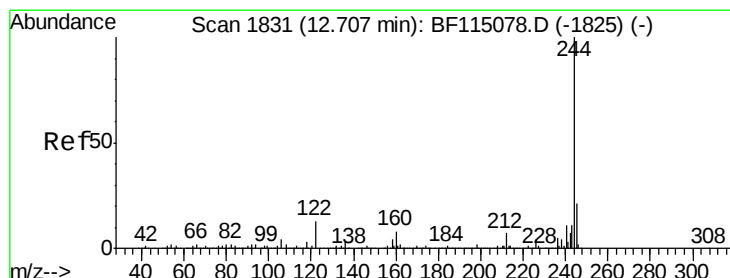
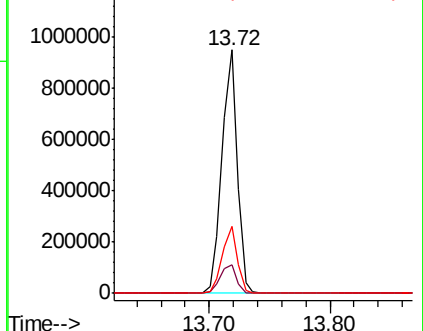
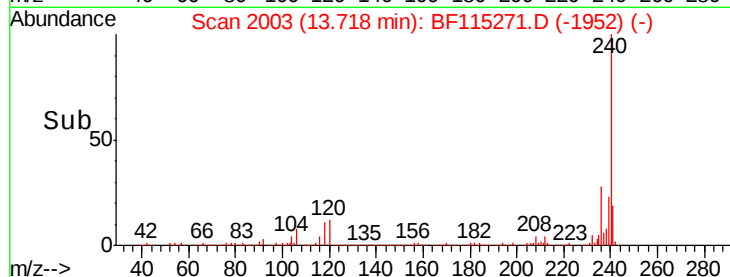
236 27.5 21.7 32.5



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: 59.394 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115271.D

Acq: 28 Jun 2019 10:38

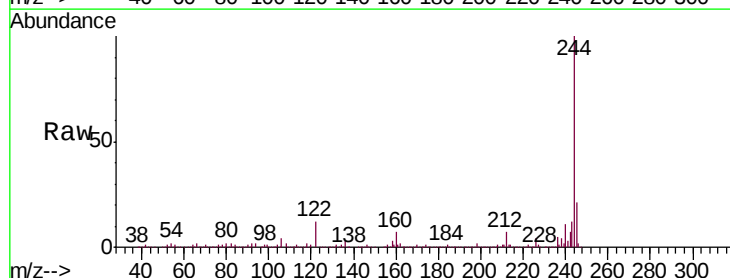
Tgt Ion:244 Resp: 2320989

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

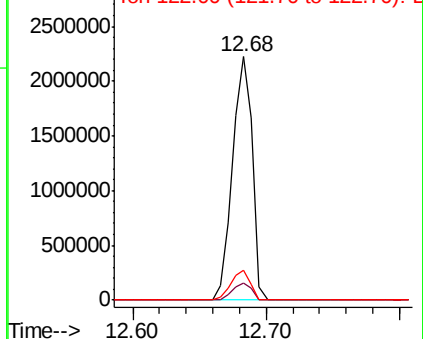
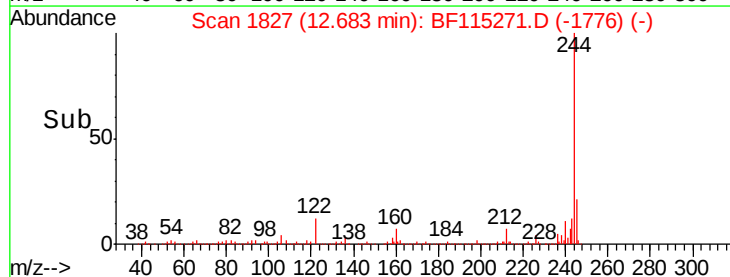
122 12.4 10.4 15.6

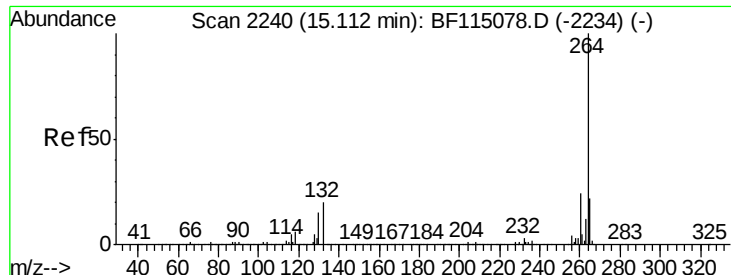


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.11 min Scan# 2239  
Delta R.T. 0.02 min  
Lab File: BF115271.D  
Acq: 28 Jun 2019 10:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB120885BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.6  | 29.4  |
| 265     | 21.7  | 17.3  | 25.9  |

