

Data File : BF118711.D  
Acq On : 25 Jan 2020 5:26  
Operator : CG/JU  
Sample : L1241-01  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EP-9

Quant Time: Jan 27 01:11:22 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 20 14:45:03 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 237712   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.15  | 136  | 845558   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.90  | 164  | 411574   | 20.00 | ng    | -0.03    |
| 64) Phenanthrene-d10      | 11.38 | 188  | 616898   | 20.00 | ng    | -0.03    |
| 76) Chrysene-d12          | 14.02 | 240  | 526920   | 20.00 | ng    | -0.03    |
| 87) Perylene-d12          | 15.48 | 264  | 650045   | 20.00 | ng    | -0.04    |

|                             |       |     |         |       |    |       |
|-----------------------------|-------|-----|---------|-------|----|-------|
| System Monitoring Compounds |       |     |         |       |    |       |
| 5) 2-Fluorophenol           | 5.49  | 112 | 1254731 | 98.03 | ng | -0.01 |
| 7) Phenol-d6                | 6.49  | 99  | 1514565 | 91.04 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.42  | 82  | 930373  | 61.54 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.68 | 330 | 390100  | 81.95 | ng | -0.03 |
| 45) 2-Fluorobiphenyl        | 9.22  | 172 | 1849707 | 73.87 | ng | -0.03 |
| 79) Terphenyl-d14           | 12.96 | 244 | 1672990 | 69.25 | ng | -0.03 |

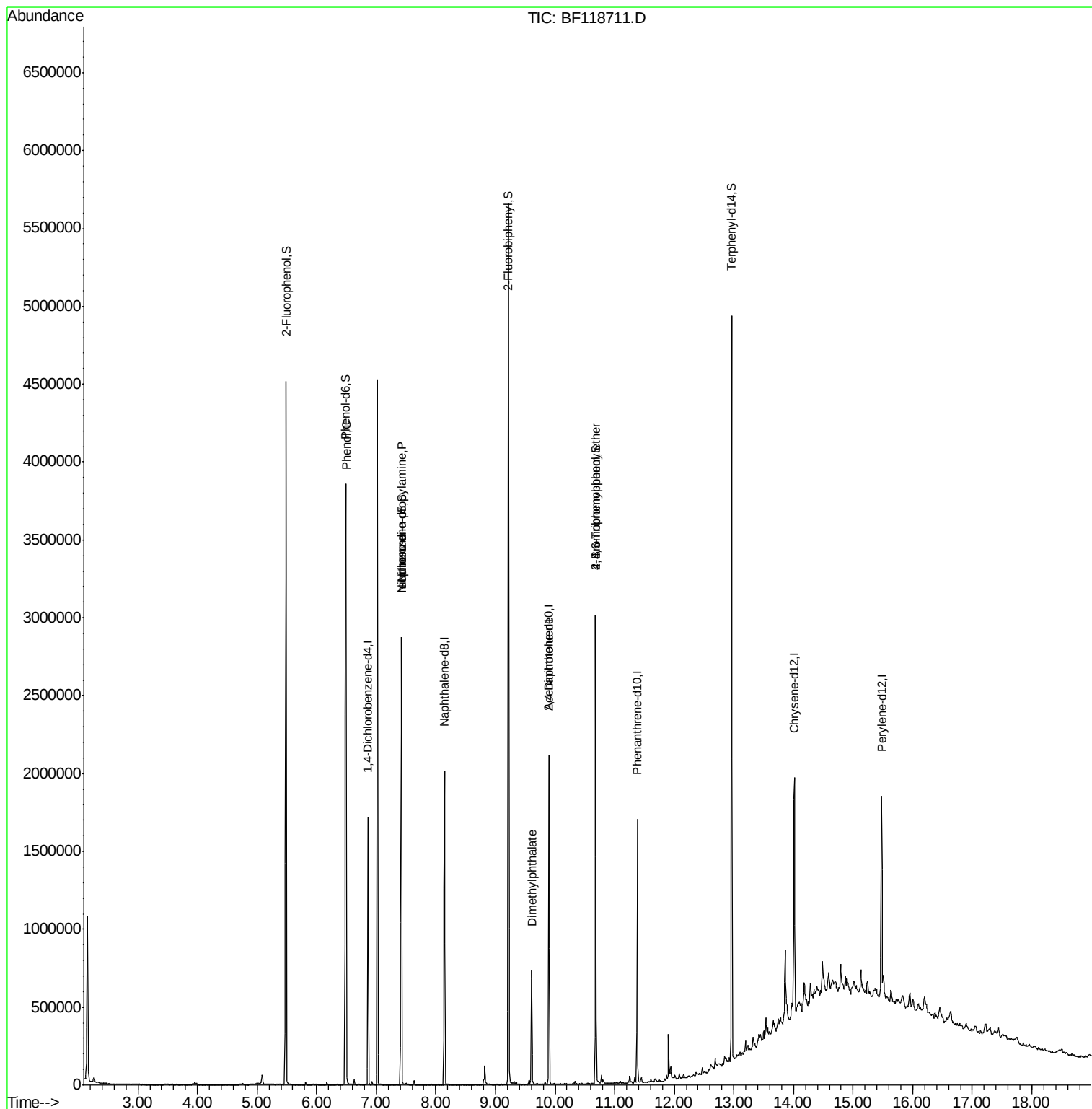
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 6.50  | 94  | 44240  | 2.334  | ng | 90   |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70  | 124289 | 11.065 | ng | # 74 |
| 25) Isophorone                 | 7.42  | 82  | 930363 | 33.742 | ng | # 64 |
| 50) Dimethylphthalate          | 9.61  | 163 | 315334 | 11.760 | ng | 97   |
| 57) 2,4-Dinitrotoluene         | 9.90  | 165 | 52934  | 6.993  | ng | # 25 |
| 67) 4-Bromophenyl-phenylether  | 10.68 | 248 | 24326  | 3.192  | ng | # 1  |

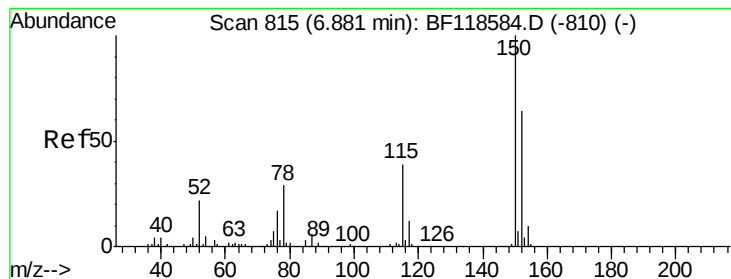
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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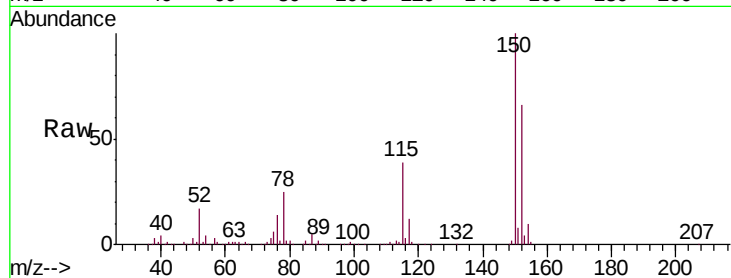


#1

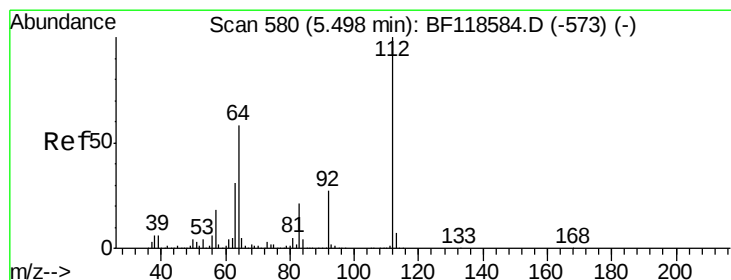
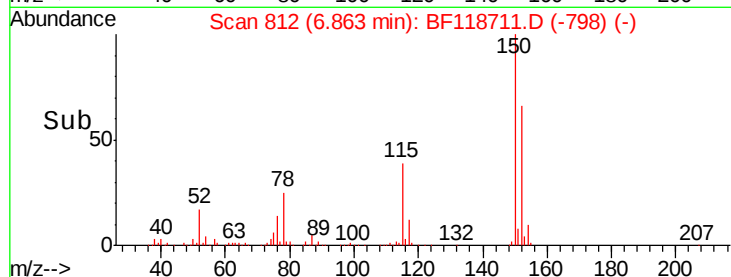
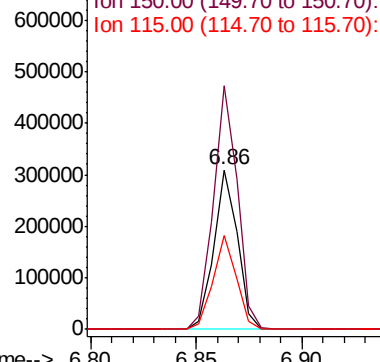
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.02 min  
Lab File: BF118711.D  
Acq: 25 Jan 2020 5:26

Instrument :  
BNA\_F  
ClientSampleId :  
EP-9

Tgt Ion:152 Resp: 237712  
Ion Ratio Lower Upper  
152 100  
150 152.4 125.6 188.4  
115 58.8 48.4 72.6



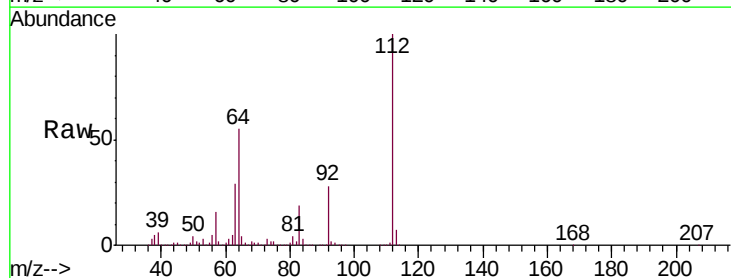
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



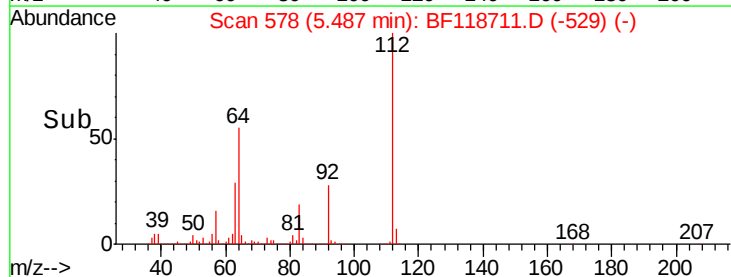
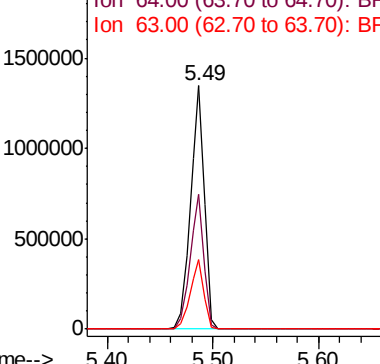
#5

2-Fluorophenol  
Concen: 98.033 ng  
RT: 5.49 min Scan# 578  
Delta R.T. -0.01 min  
Lab File: BF118711.D  
Acq: 25 Jan 2020 5:26

Tgt Ion:112 Resp: 1254731  
Ion Ratio Lower Upper  
112 100  
64 55.3 46.6 70.0  
63 28.7 25.1 37.7



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: 91.044 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118711.D

Acq: 25 Jan 2020 5:26

Instrument :

BNA\_F

ClientSampleId :

EP-9

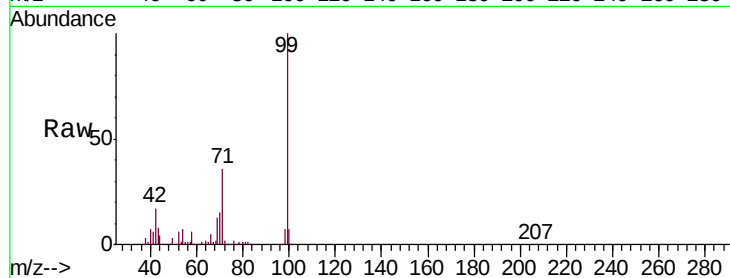
Tgt Ion: 99 Resp: 1514565

Ion Ratio Lower Upper

99 100

42 17.0 14.2 21.2

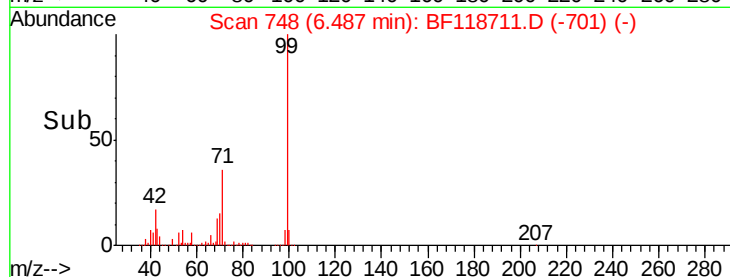
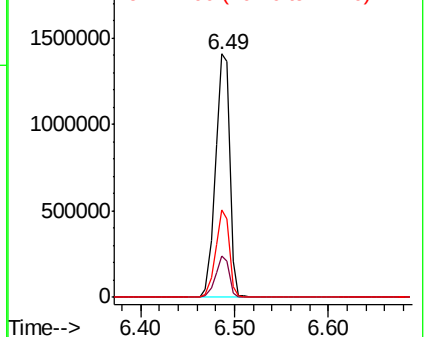
71 35.8 27.8 41.6



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



#10

Phenol

Concen: 2.334 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118711.D

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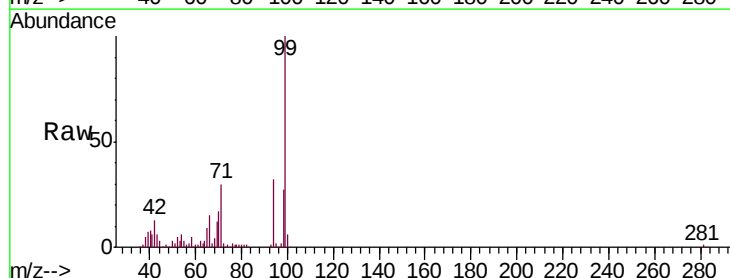
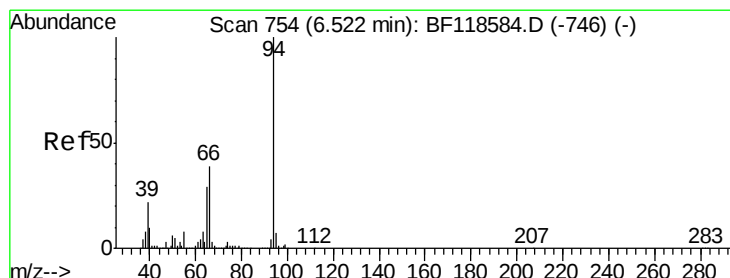
Tgt Ion: 94 Resp: 44240

Ion Ratio Lower Upper

94 100

65 29.5 9.5 49.5

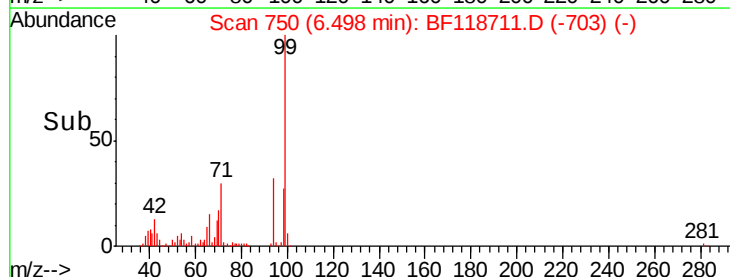
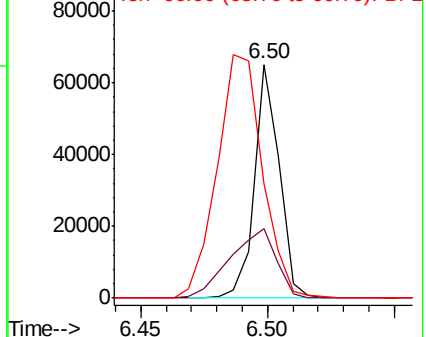
66 48.8 18.5 58.5



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

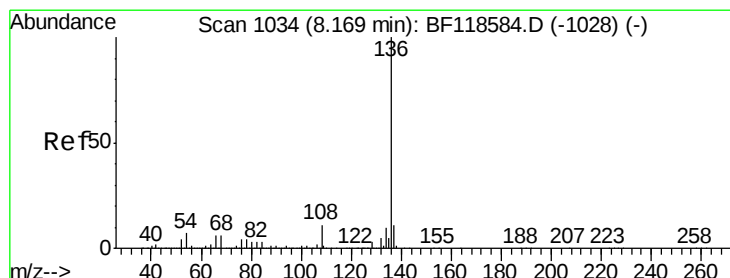
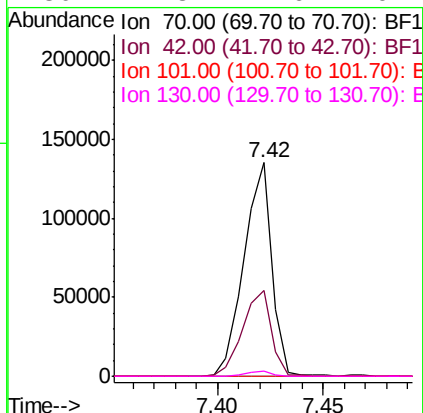
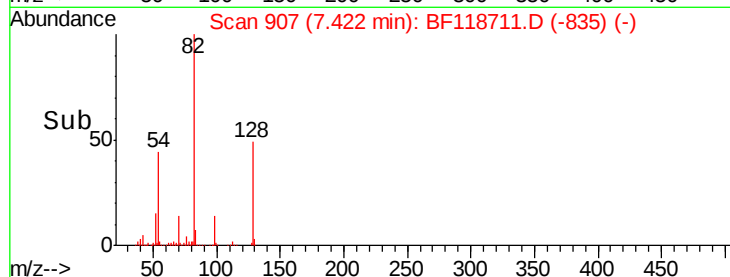
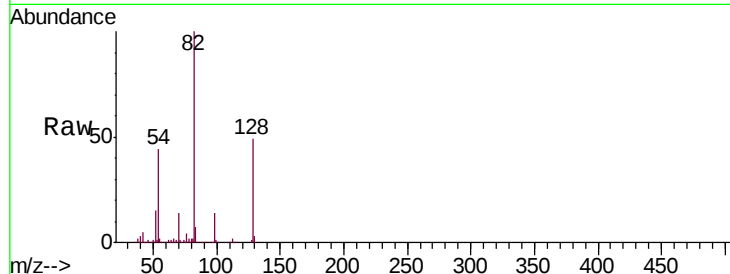




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.065 ng  
RT: 7.42 min Scan# 907  
Delta R.T. 0.12 min  
Lab File: BF118711.D  
Acq: 25 Jan 2020 5:26

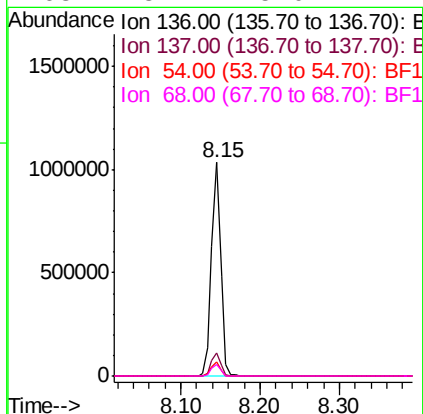
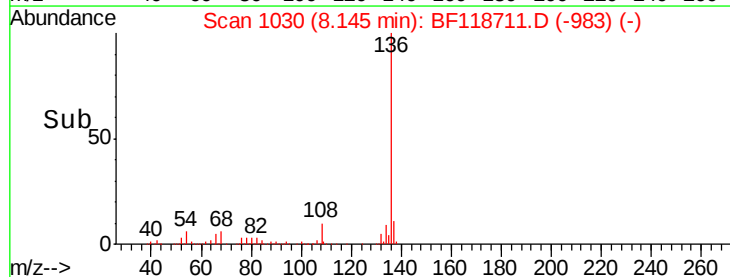
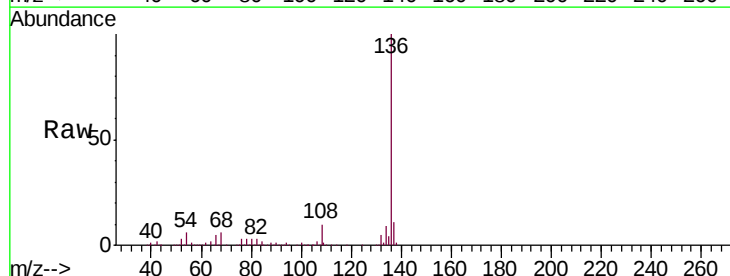
Instrument :  
BNA\_F  
ClientSampleId :  
EP-9

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 124289 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 40.3  | 43.4  | 65.0#  |
| 101      | 0.0   | 8.1   | 12.1#  |
| 130      | 2.3   | 17.6  | 26.4#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.15 min Scan# 1030  
Delta R.T. -0.02 min  
Lab File: BF118711.D  
Acq: 25 Jan 2020 5:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 845558 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 9.1   | 13.7   |
| 54       | 6.4   | 5.8   | 8.6    |
| 68       | 5.7   | 5.0   | 7.4    |





#23

Nitrobenzene-d5

Concen: 61.545 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF118711.D

Acq: 25 Jan 2020 5:26

Instrument :

BNA\_F

ClientSampleId :

EP-9

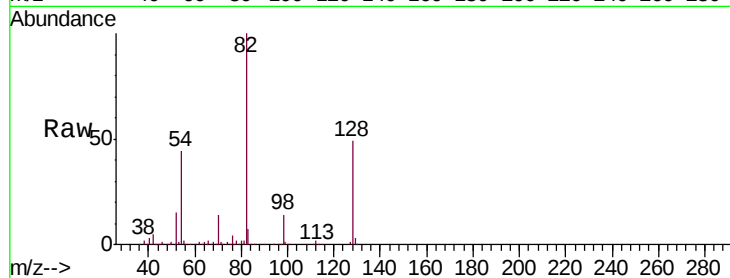
Tgt Ion: 82 Resp: 930373

Ion Ratio Lower Upper

82 100

128 49.1 36.6 54.8

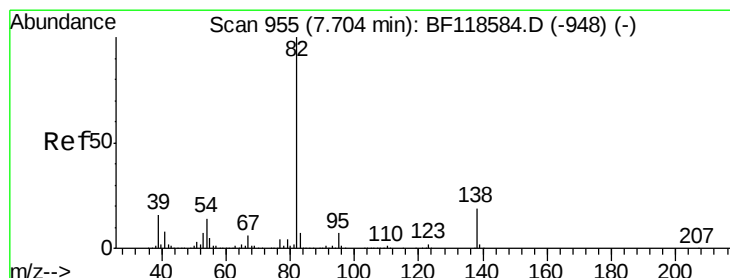
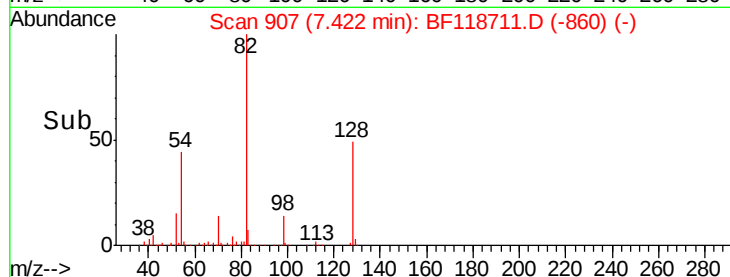
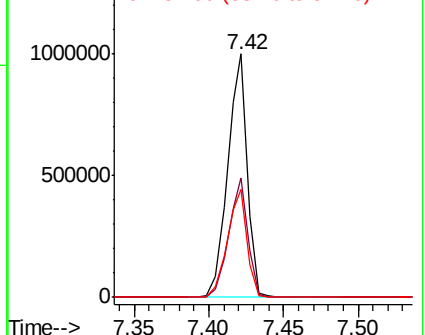
54 44.2 38.0 57.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 33.742 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.28 min

Lab File: BF118711.D

Acq: 25 Jan 2020 5:26

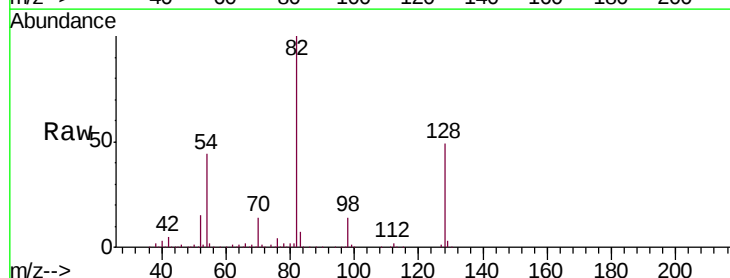
Tgt Ion: 82 Resp: 930363

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

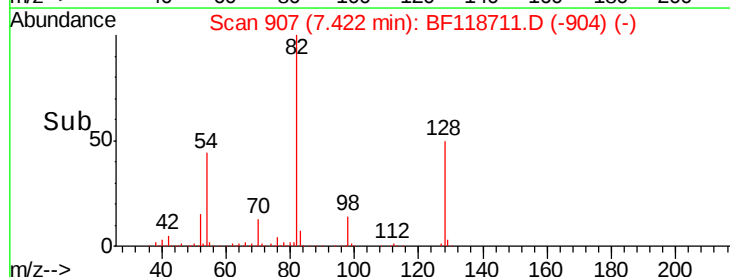
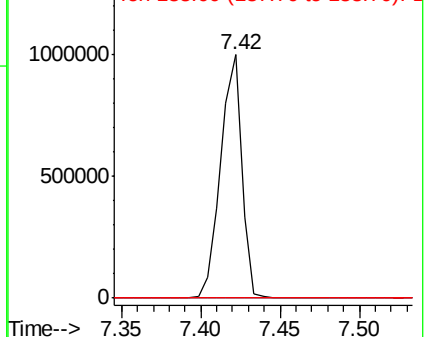
138 0.0 15.3 22.9#

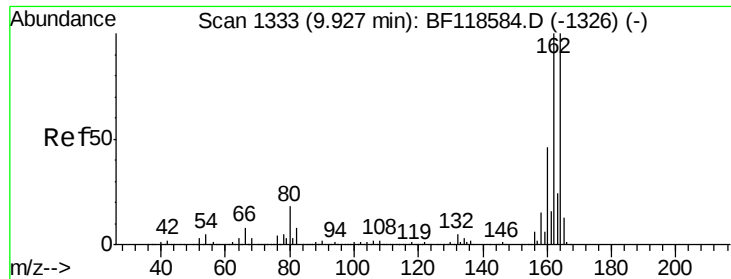


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

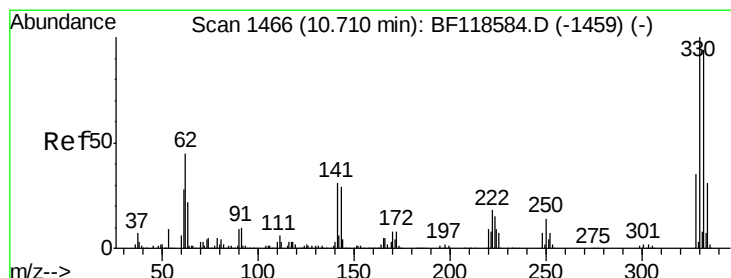
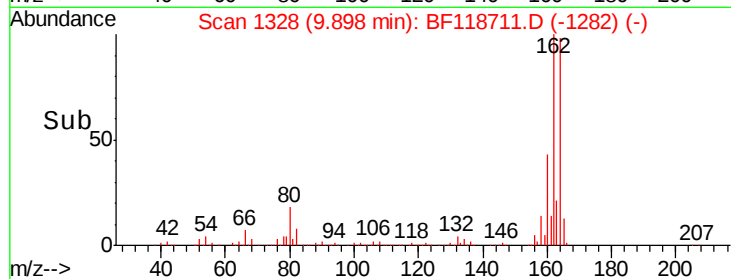
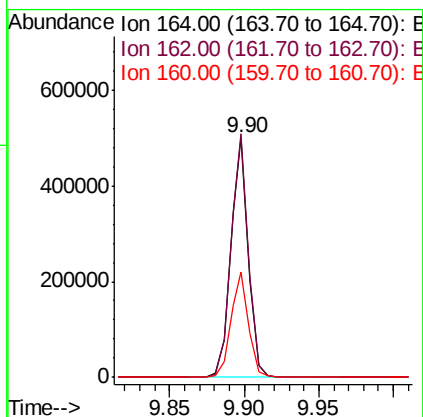
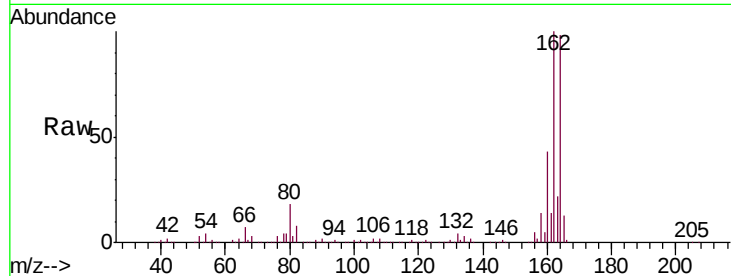




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.03 min  
 Lab File: BF118711.D  
 Acq: 25 Jan 2020 5:26

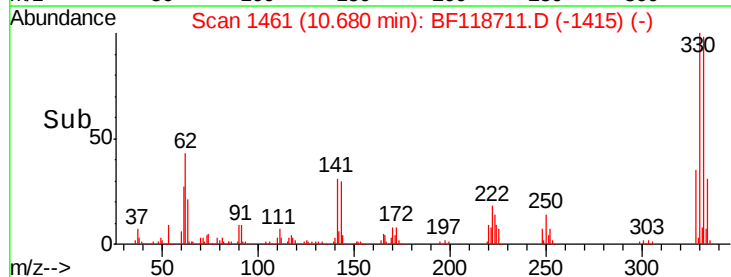
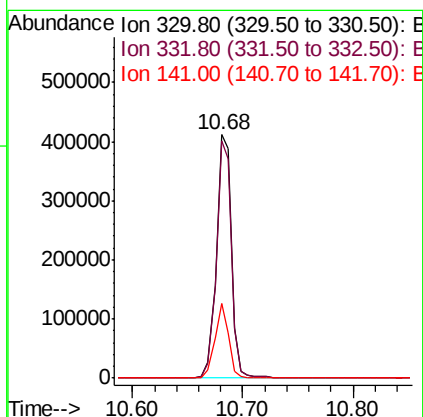
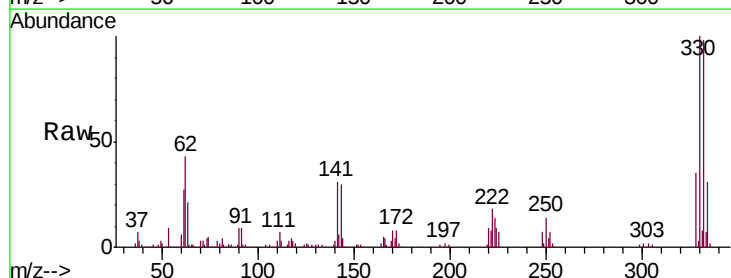
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP-9

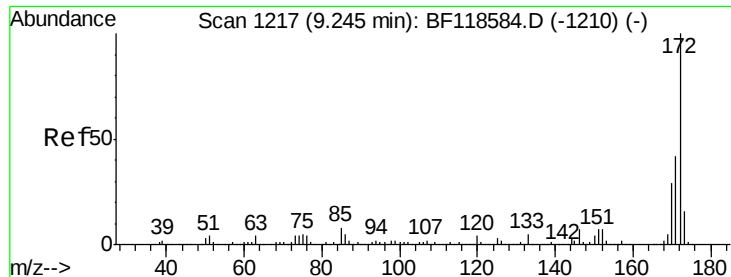
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 411574 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 162      | 101.8 | 80.4  | 120.6  |
| 160      | 44.2  | 36.6  | 55.0   |



#42  
 2,4,6-Tribromophenol  
 Concen: 81.947 ng  
 RT: 10.68 min Scan# 1461  
 Delta R.T. -0.03 min  
 Lab File: BF118711.D  
 Acq: 25 Jan 2020 5:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 390100 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.8  | 76.2  | 114.4  |
| 141      | 27.4  | 23.9  | 35.9   |



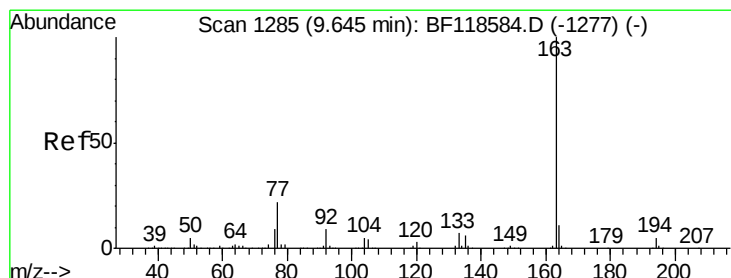
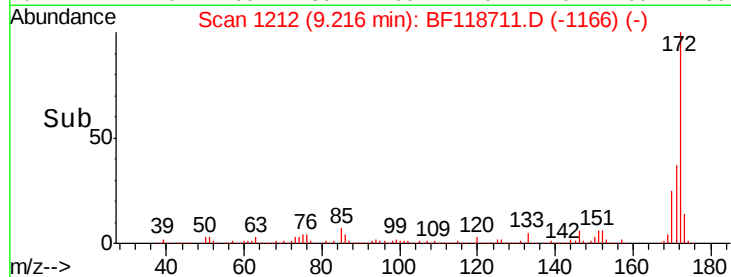
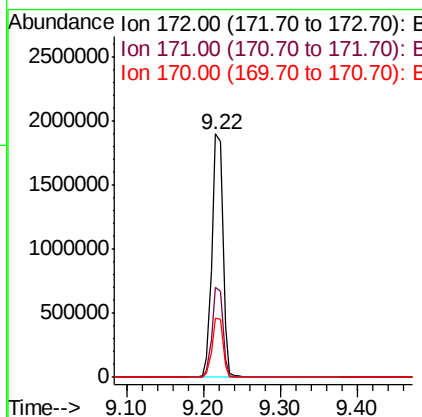
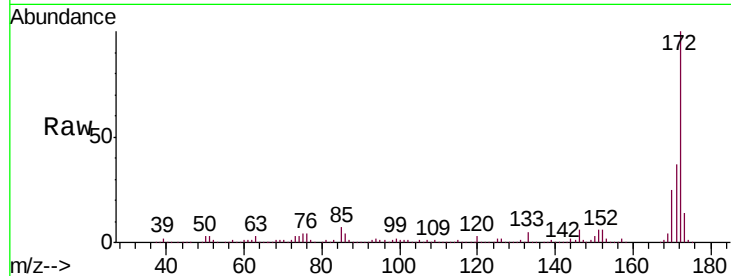


#45  
 2-Fluorobiphenyl  
 Concen: 73.868 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.03 min  
 Lab File: BF118711.D  
 Acq: 25 Jan 2020 5:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP-9

Tgt Ion:172 Resp: 1849707  

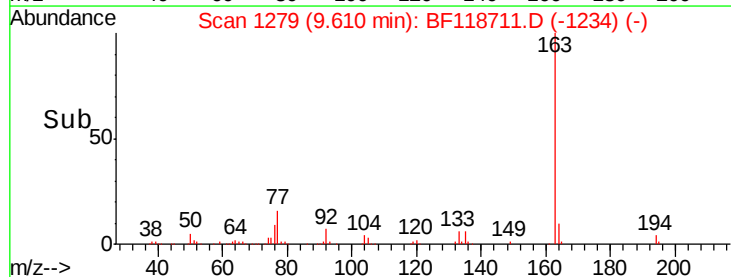
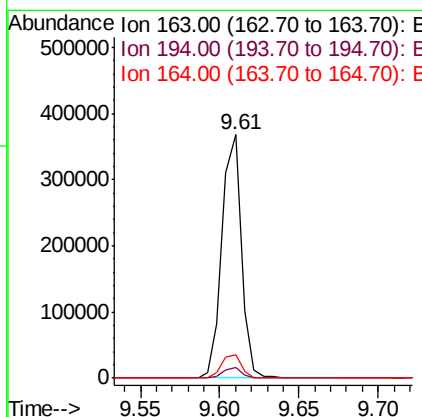
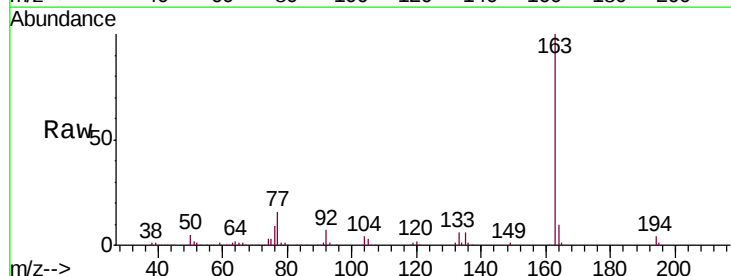
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.9  | 33.4  | 50.2  |
| 170 | 24.5  | 23.2  | 34.8  |

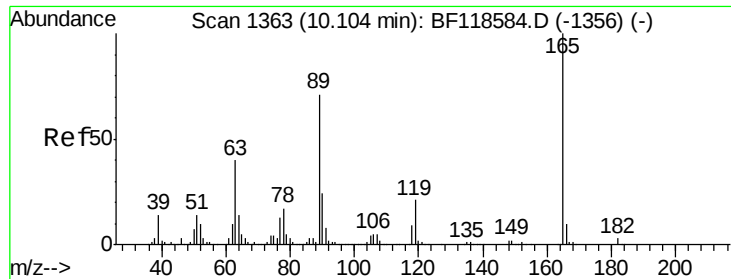


#50  
 Dimethylphthalate  
 Concen: 11.760 ng  
 RT: 9.61 min Scan# 1279  
 Delta R.T. -0.04 min  
 Lab File: BF118711.D  
 Acq: 25 Jan 2020 5:26

Tgt Ion:163 Resp: 315334  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.4   | 3.9   | 5.9   |
| 164 | 9.8   | 9.1   | 13.7  |

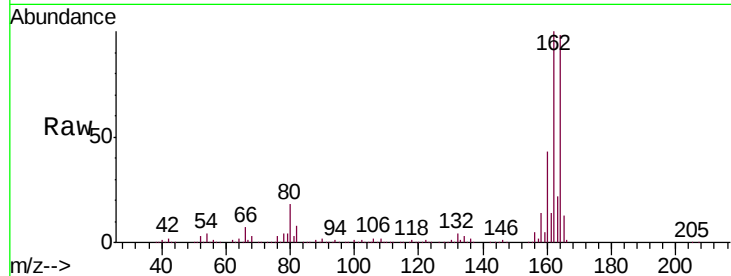




#57  
 2,4-Dinitrotoluene  
 Concen: 6.993 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.21 min  
 Lab File: BF118711.D  
 Acq: 25 Jan 2020 5:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EP-9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 32.4  | 48.6# |
| 89      | 1.4   | 56.4  | 84.6# |
| 182     | 0.0   | 2.3   | 3.5#  |

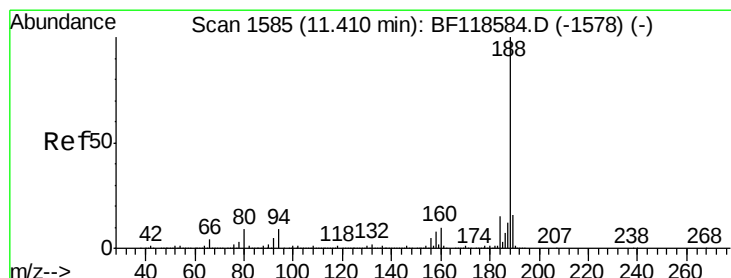
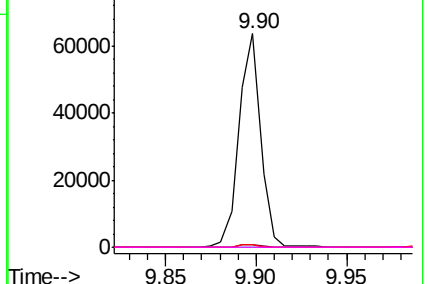
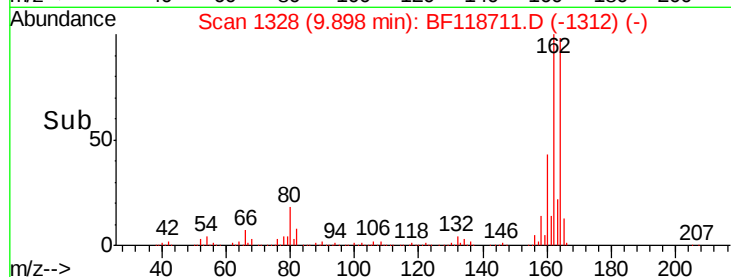


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

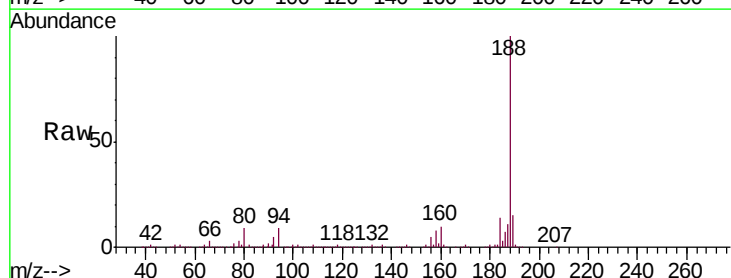
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.38 min Scan# 1580  
 Delta R.T. -0.03 min  
 Lab File: BF118711.D  
 Acq: 25 Jan 2020 5:26

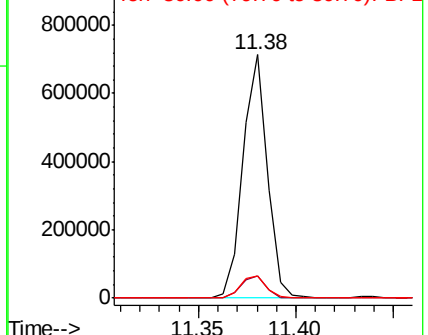
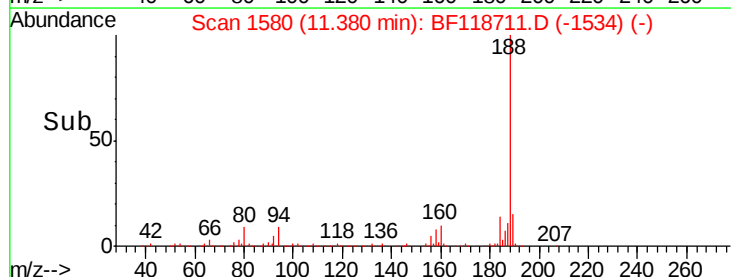
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 7.1   | 10.7  |
| 80      | 9.3   | 7.5   | 11.3  |

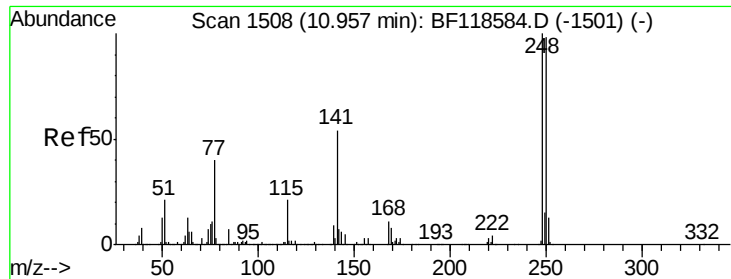


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

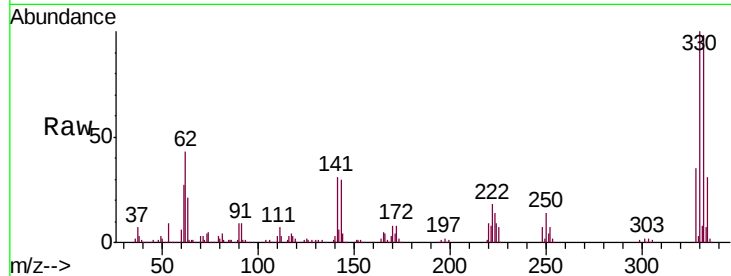




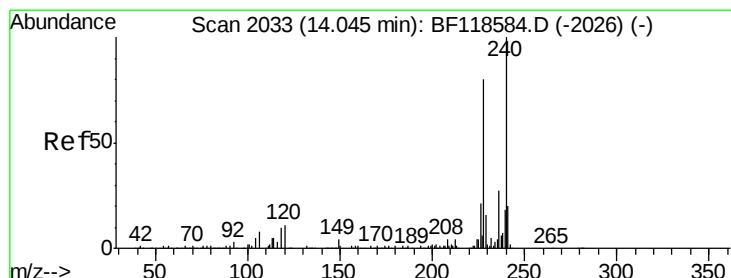
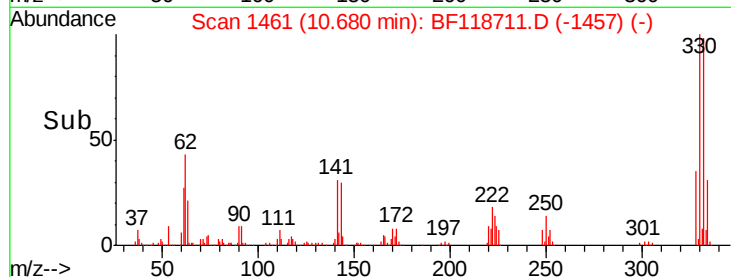
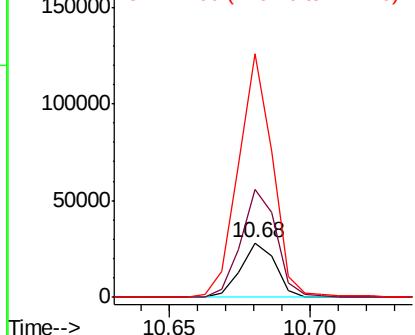
#67  
4-Bromophenyl-phenylether  
Concen: 3.192 ng  
RT: 10.68 min Scan# 1461  
Delta R.T. -0.28 min  
Lab File: BF118711.D  
Acq: 25 Jan 2020 5:26

Instrument :  
BNA\_F  
ClientSampleId :  
EP-9

Tgt Ion:248 Resp: 24326  
Ion Ratio Lower Upper  
248 100  
250 197.5 78.7 118.1#  
141 445.8 43.2 64.8#

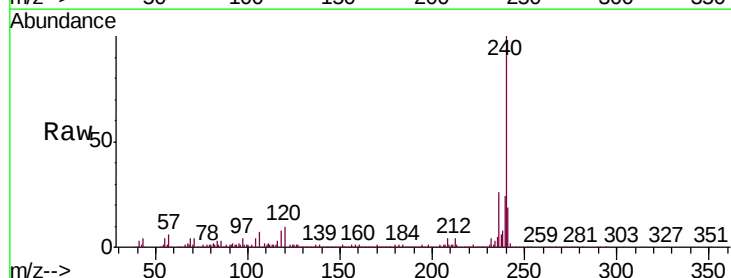


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

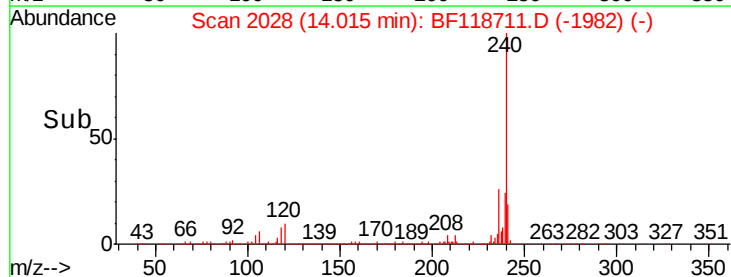
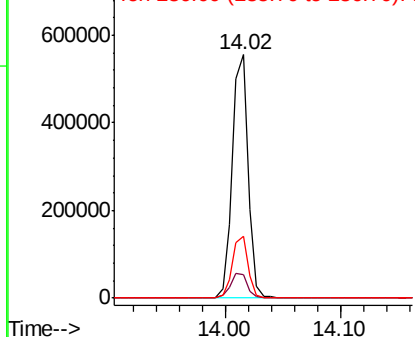


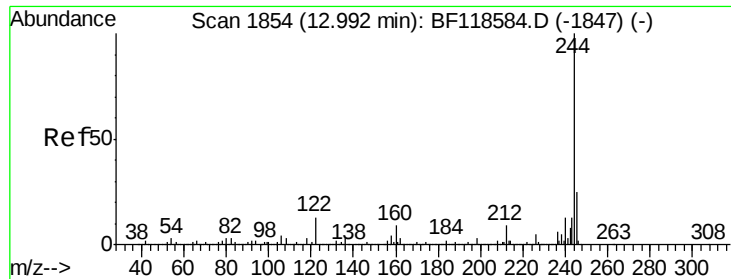
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.03 min  
Lab File: BF118711.D  
Acq: 25 Jan 2020 5:26

Tgt Ion:240 Resp: 526920  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.9 13.3  
236 25.6 21.5 32.3



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: 69.251 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.03 min

Lab File: BF118711.D

Acq: 25 Jan 2020 5:26

Instrument :

BNA\_F

ClientSampleId :

EP-9

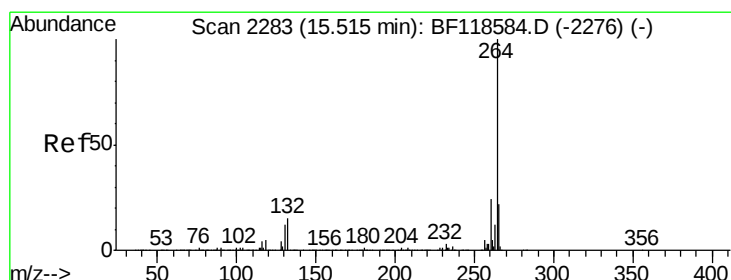
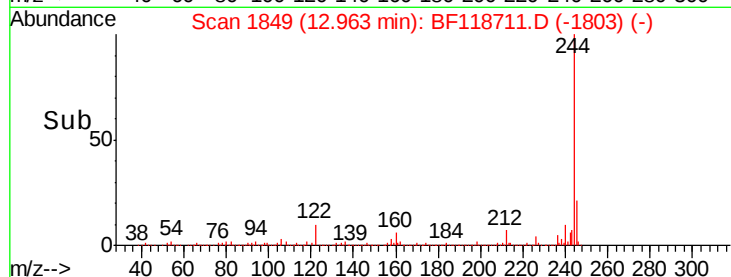
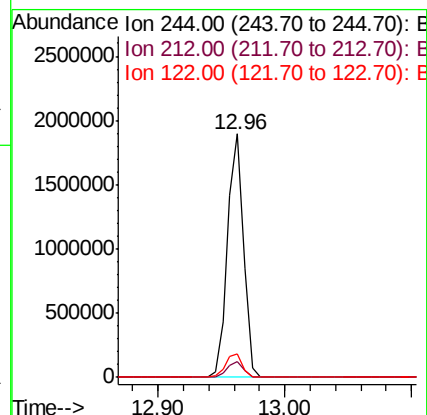
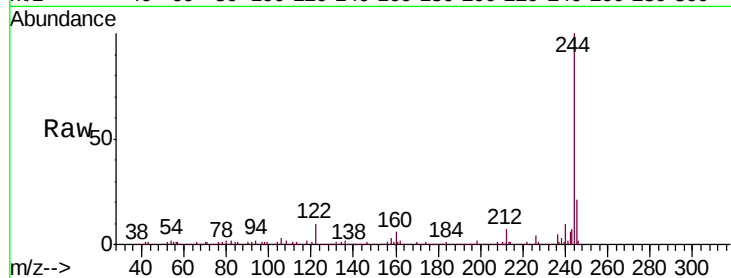
Tgt Ion:244 Resp: 1672990

Ion Ratio Lower Upper

244 100

212 6.7 7.0 10.4#

122 9.7 10.7 16.1#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.04 min

Lab File: BF118711.D

Acq: 25 Jan 2020 5:26

Tgt Ion:264 Resp: 650045

Ion Ratio Lower Upper

264 100

260 23.3 19.6 29.4

265 21.6 17.7 26.5

