

Data File : BF115285.D  
Acq On : 28 Jun 2019 17:03  
Operator : HP/JU  
Sample : K3555-10  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-9

Quant Time: Jun 29 02:36:12 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

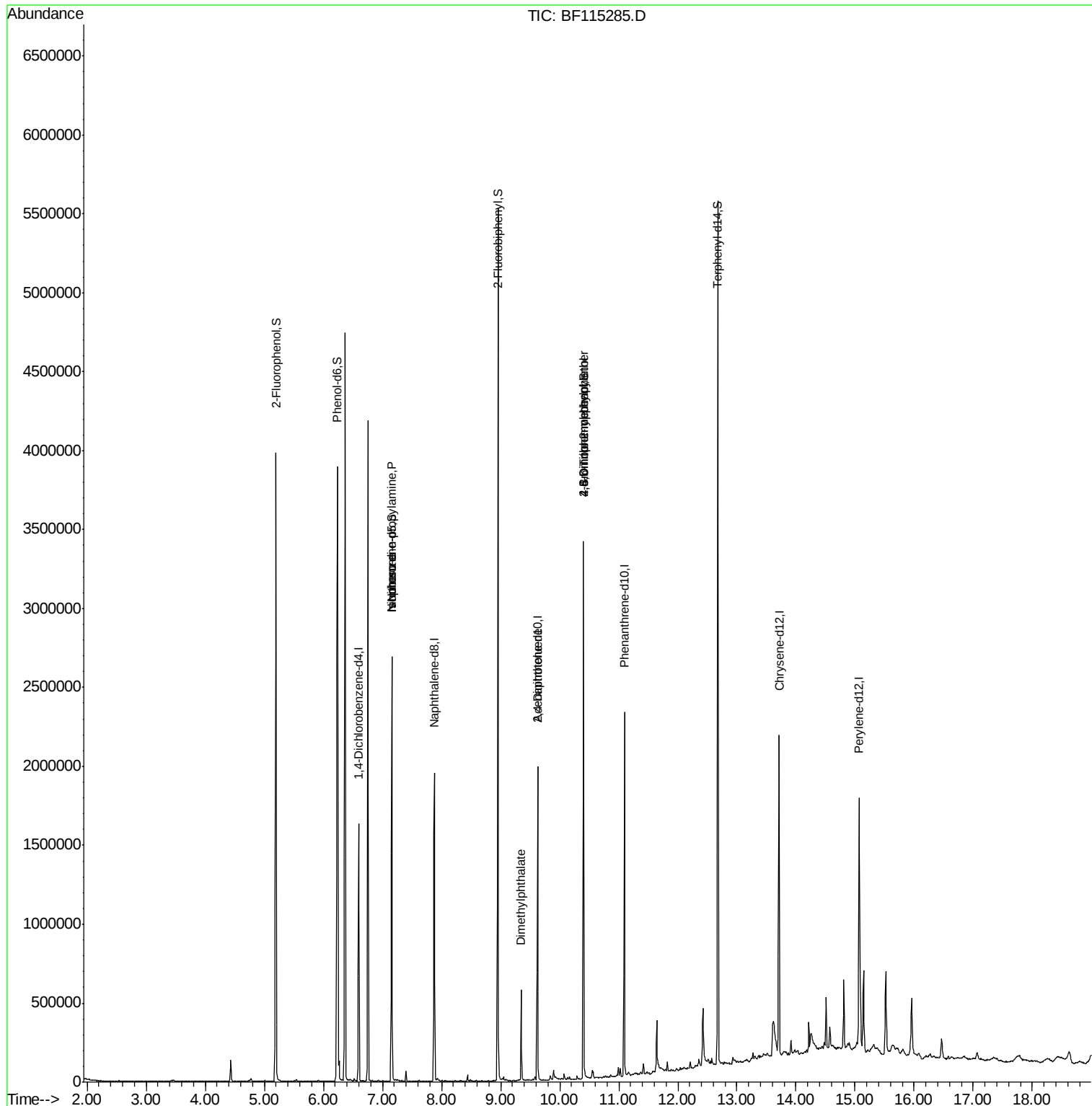
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.60  | 152  | 223873   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.88  | 136  | 861577   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.62  | 164  | 422447   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.10 | 188  | 831776   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.71 | 240  | 644675   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.07 | 264  | 680211   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 1265549  | 87.23     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.24  | 99   | 1603520  | 91.07     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.16  | 82   | 951101   | 67.91     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.41 | 330  | 441236   | 99.05     | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 8.95  | 172  | 1715798  | 68.99     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.68 | 244  | 1897171  | 62.57     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.16  | 70   | 124199   | 11.017    | ng    | # 78     |
| 25) Isophorone                 | 7.16  | 82   | 942986   | 32.866    | ng    | # 63     |
| 50) Dimethylphthalate          | 9.35  | 163  | 222267   | 7.151     | ng    | # 97     |
| 57) 2,4-Dinitrotoluene         | 9.62  | 165  | 53857    | 5.813     | ng    | # 30     |
| 58) Fluorene                   | 10.17 | 166  | 848      | Below Cal |       | # 82     |
| 65) 4,6-Dinitro-2-methylphenol | 10.41 | 198  | 1014     | 5.165     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.40 | 248  | 28415    | 3.151     | ng    | # 1      |

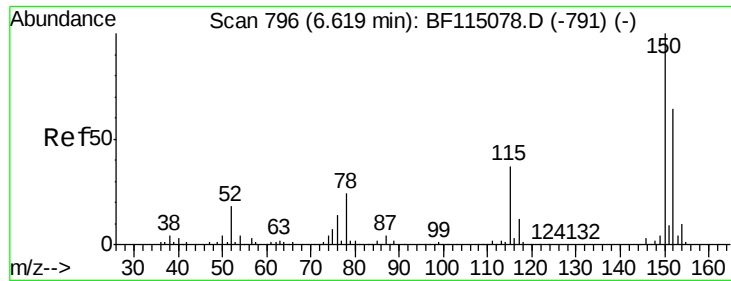
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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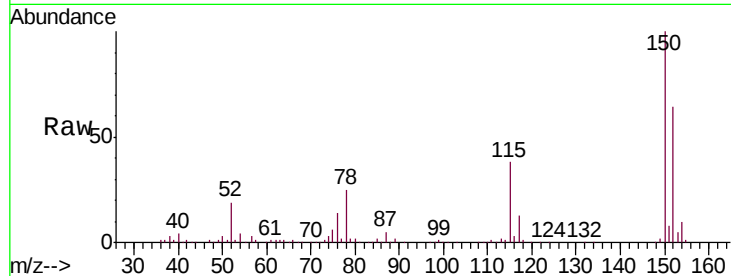


#1

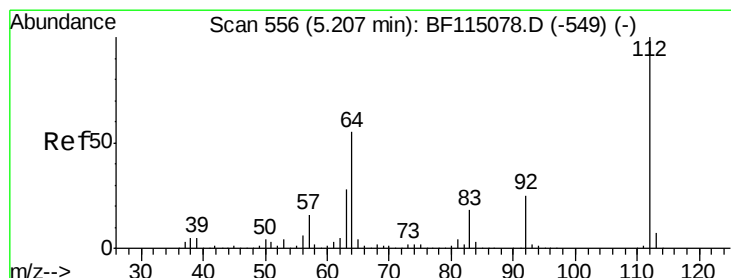
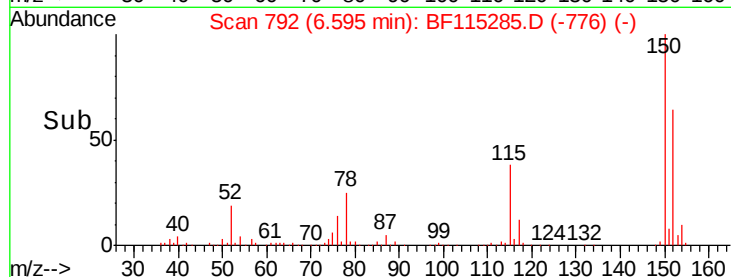
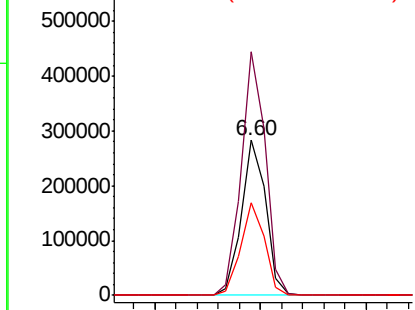
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.60 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-9

Tgt Ion:152 Resp: 223873  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.2 186.2  
115 59.8 46.1 69.1



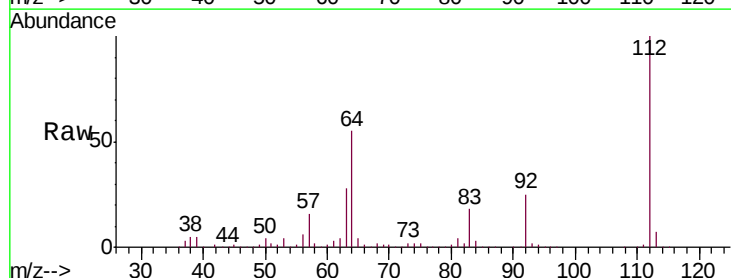
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



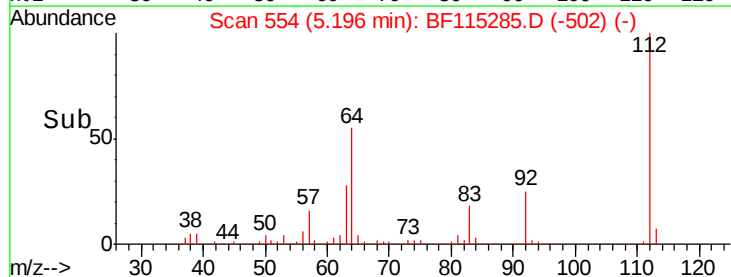
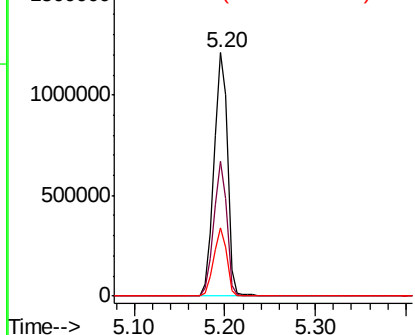
#5

2-Fluorophenol  
Concen: 87.235 ng  
RT: 5.20 min Scan# 554  
Delta R.T. 0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Tgt Ion:112 Resp: 1265549  
Ion Ratio Lower Upper  
112 100  
64 55.1 43.8 65.6  
63 28.0 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: 91.066 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115285.D

Acq: 28 Jun 2019 17:03

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-9

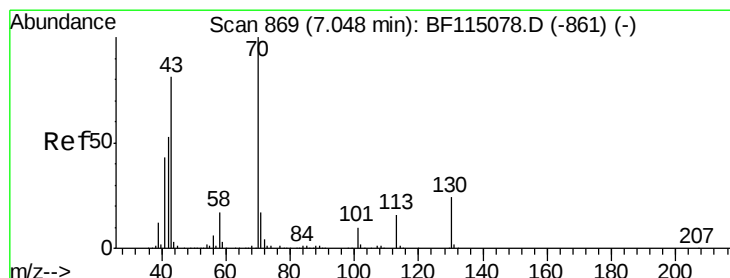
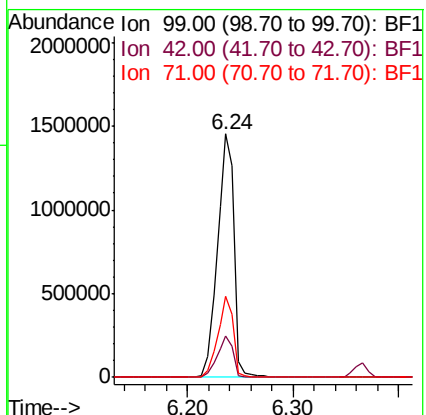
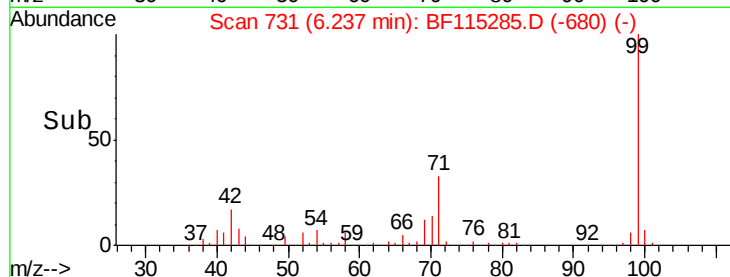
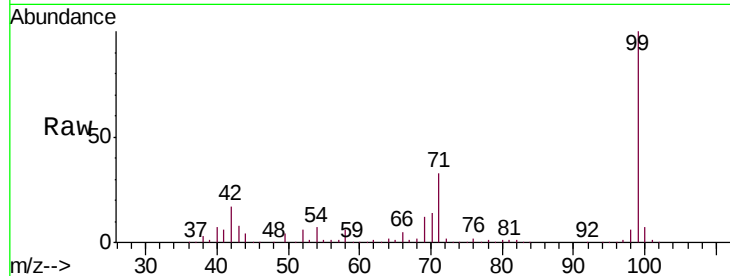
Tgt Ion: 99 Resp: 1603520

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

71 33.0 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.017 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115285.D

Acq: 28 Jun 2019 17:03

Tgt Ion: 70 Resp: 124199

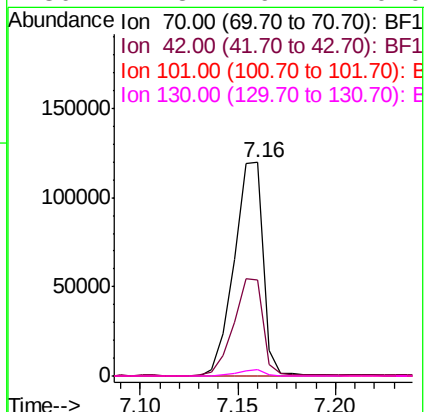
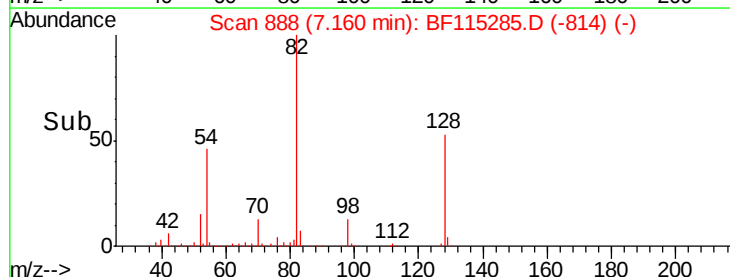
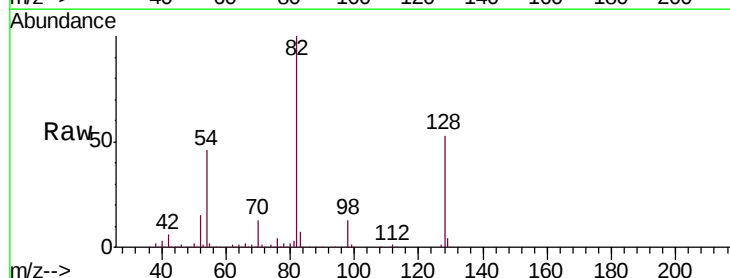
Ion Ratio Lower Upper

70 100

42 44.9 42.6 63.8

101 0.0 8.0 12.0#

130 2.8 19.4 29.0#

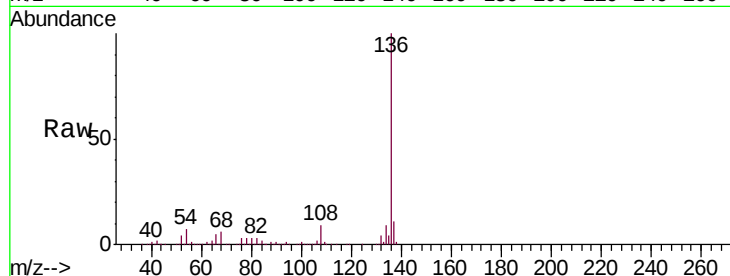




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.88 min Scan# 1010  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-9

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 861577 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 6.6   | 5.6   | 8.4    |
| 68       | 5.8   | 4.8   | 7.2    |



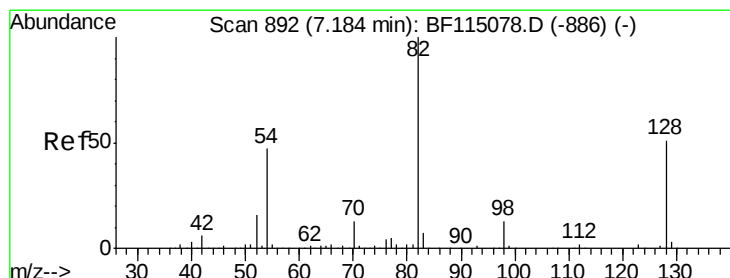
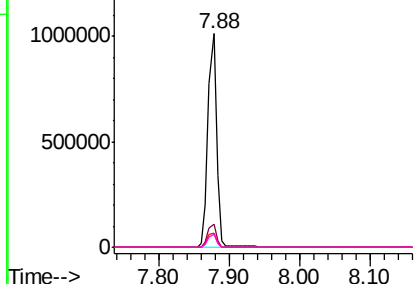
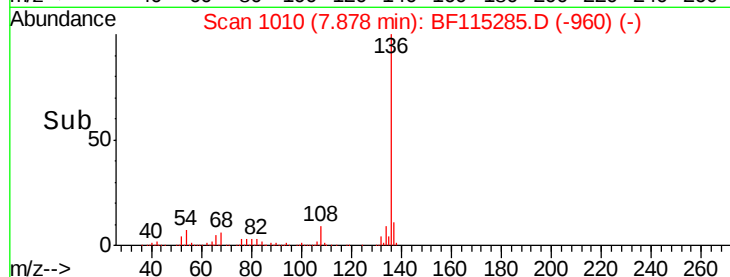
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

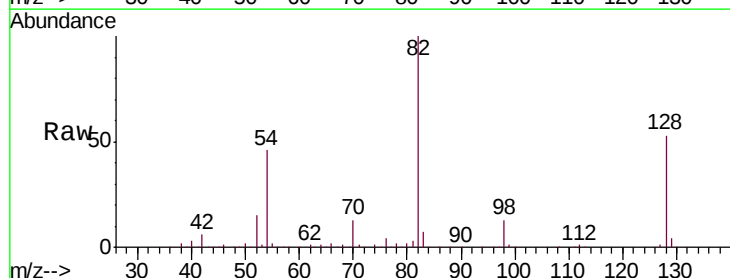
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 67.907 ng  
RT: 7.16 min Scan# 888  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 951101 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 53.1  | 40.4  | 60.6   |
| 54       | 45.6  | 37.5  | 56.3   |

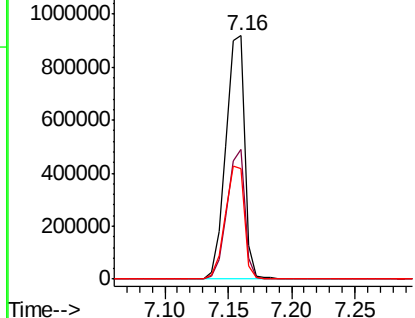
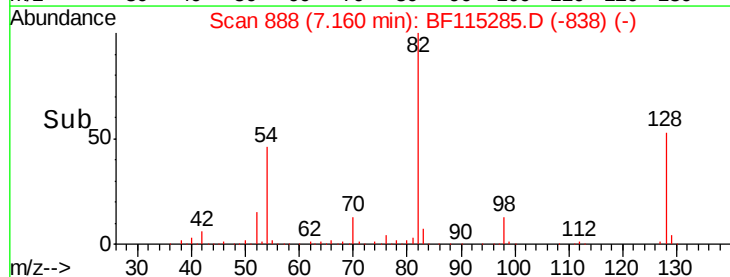


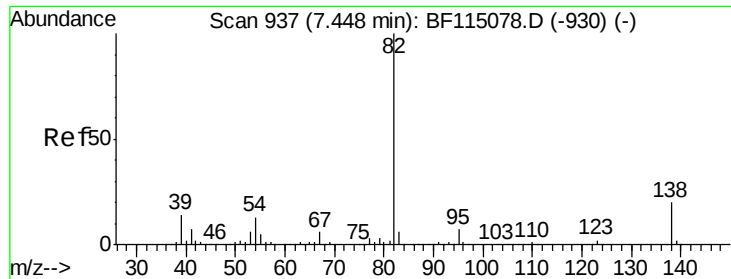
Abundance

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: 32.866 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115285.D

Acq: 28 Jun 2019 17:03

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-9

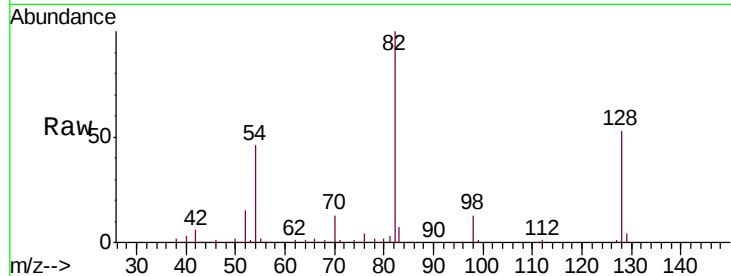
Tgt Ion: 82 Resp: 942986

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

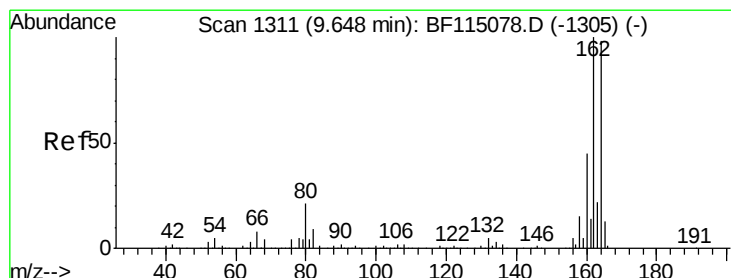
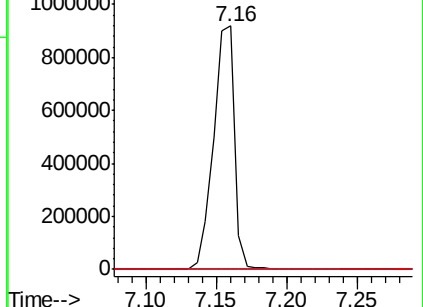
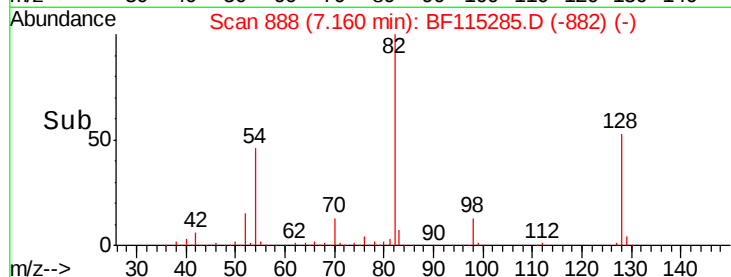
138 0.0 15.9 23.9#



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: BF115285.D

Acq: 28 Jun 2019 17:03

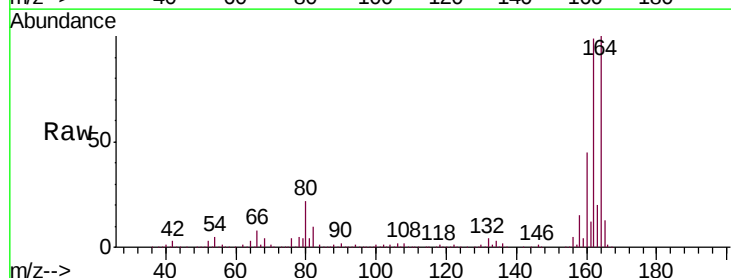
Tgt Ion: 164 Resp: 422447

Ion Ratio Lower Upper

164 100

162 98.6 81.7 122.5

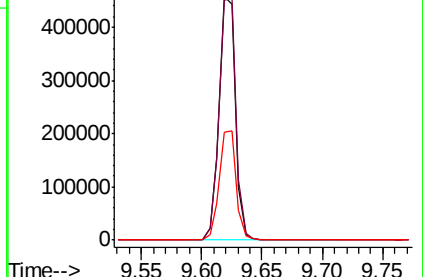
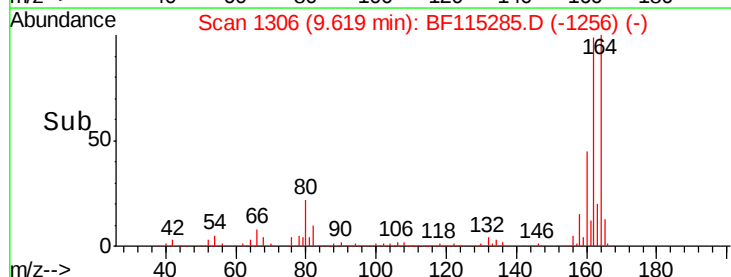
160 44.6 37.0 55.4

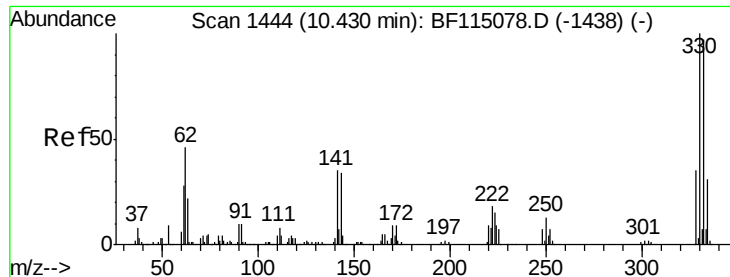


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

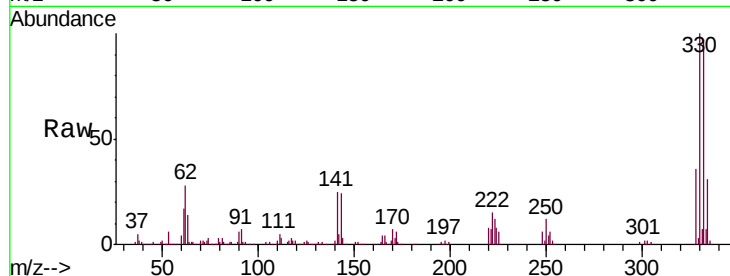




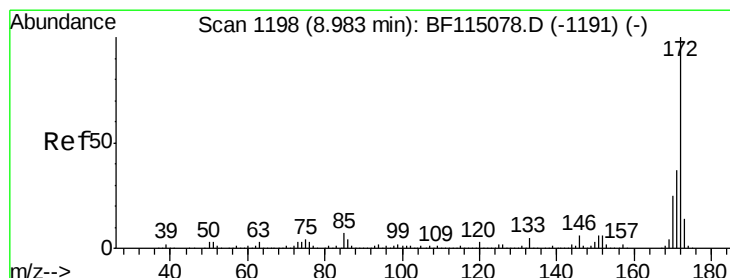
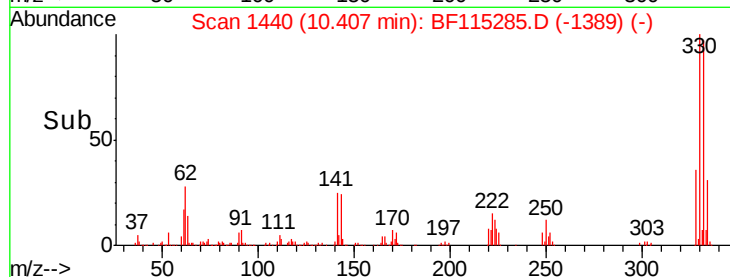
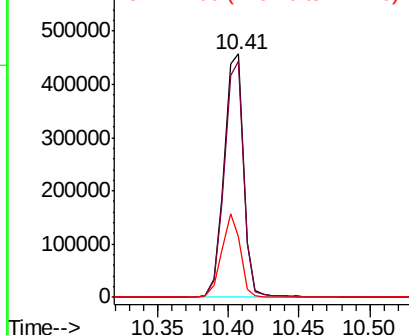
#42  
 2,4,6-Tribromophenol  
 Concen: 99.046 ng  
 RT: 10.41 min Scan# 1440  
 Delta R.T. 0.00 min  
 Lab File: BF115285.D  
 Acq: 28 Jun 2019 17:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:330 Resp: 441236  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.3 115.9  
 141 32.7 28.2 42.2

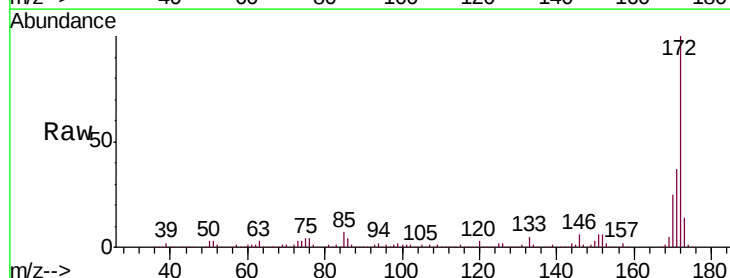


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

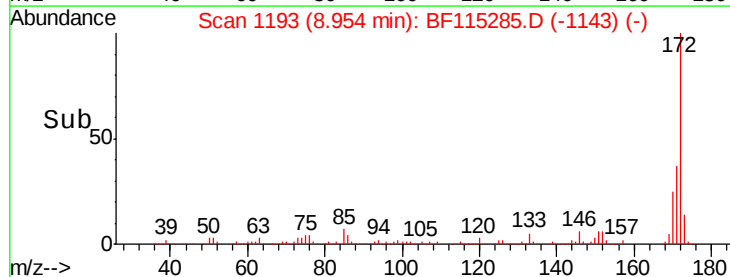
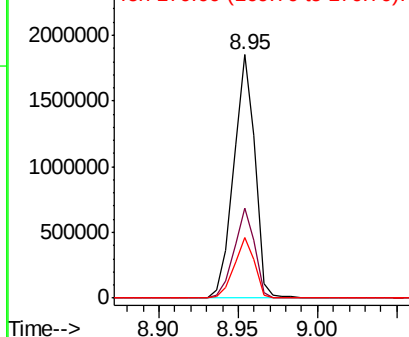


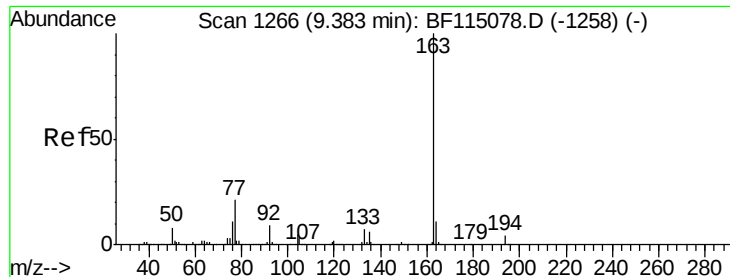
#45  
 2-Fluorobiphenyl  
 Concen: 68.991 ng  
 RT: 8.95 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF115285.D  
 Acq: 28 Jun 2019 17:03

Tgt Ion:172 Resp: 1715798  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 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

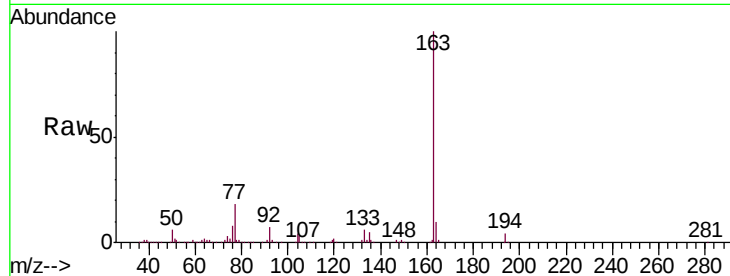




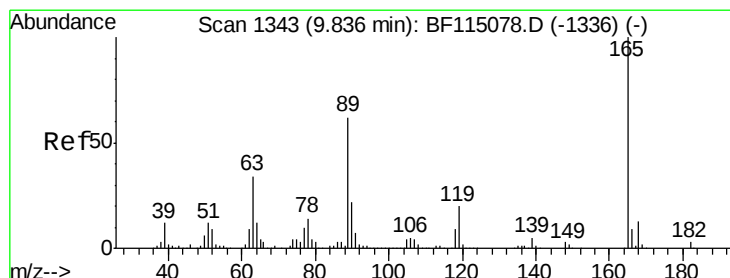
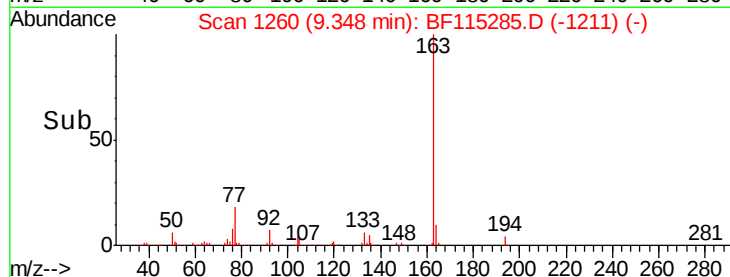
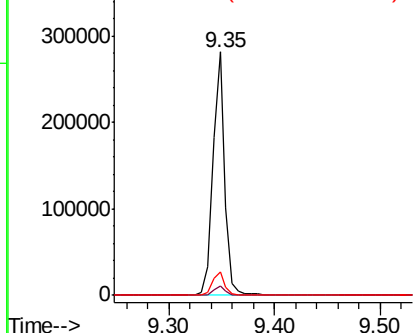
#50  
Dimethylphthalate  
Concen: 7.151 ng  
RT: 9.35 min Scan# 1260  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-9

Tgt Ion:163 Resp: 222267  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.2 4.8  
164 9.5 8.6 13.0

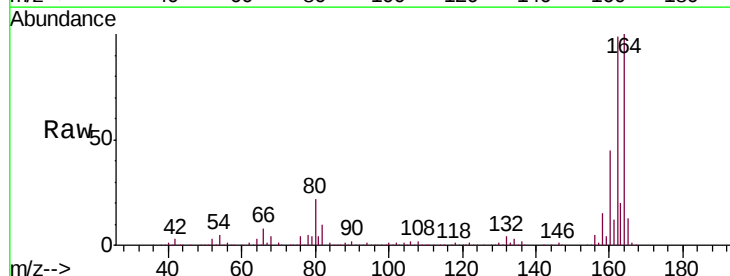


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

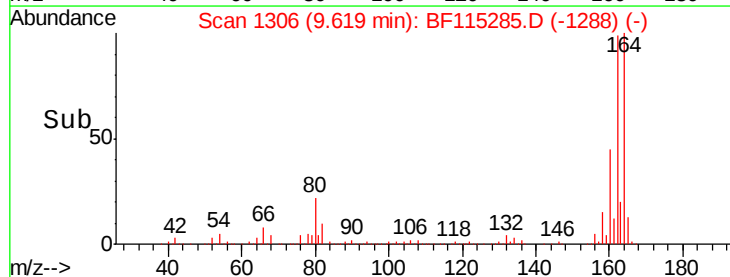
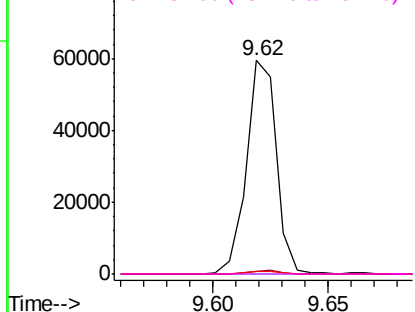


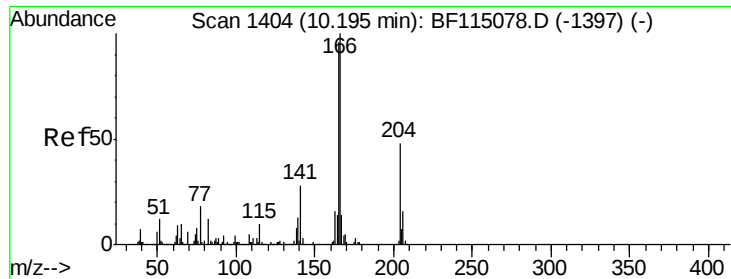
#57  
2,4-Dinitrotoluene  
Concen: 5.813 ng  
RT: 9.62 min Scan# 1306  
Delta R.T. -0.19 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Tgt Ion:165 Resp: 53857  
Ion Ratio Lower Upper  
165 100  
63 0.9 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: 10.17 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF115285.D

Acq: 28 Jun 2019 17:03

Instrument :

BNA\_F

ClientSampled :

SAMPLE-9

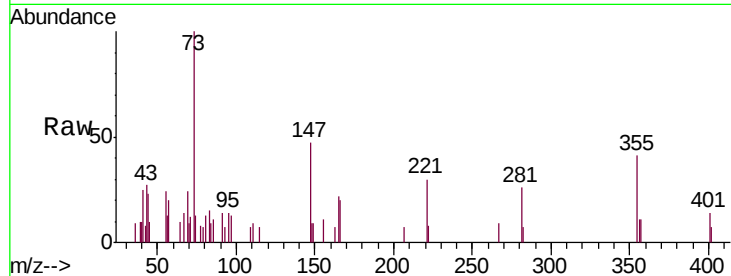
Tgt Ion:166 Resp: 848

Ion Ratio Lower Upper

166 100

165 111.5 76.5 114.7

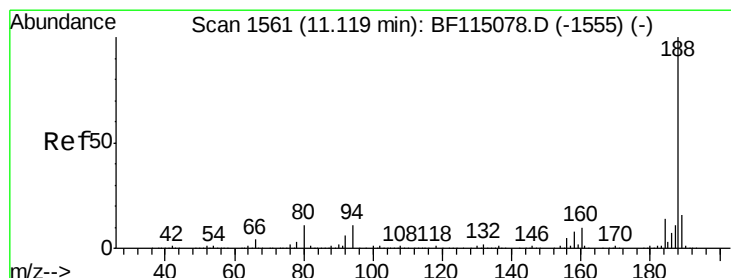
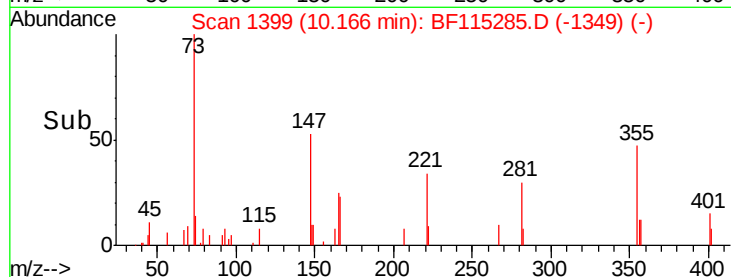
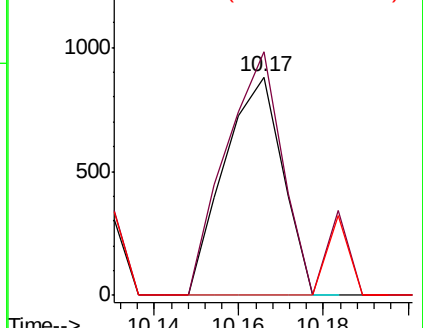
167 0.0 11.0 16.4#



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: BF115285.D

Acq: 28 Jun 2019 17:03

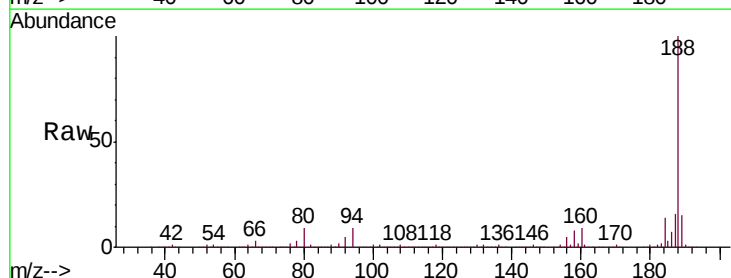
Tgt Ion:188 Resp: 831776

Ion Ratio Lower Upper

188 100

94 8.8 8.6 12.8

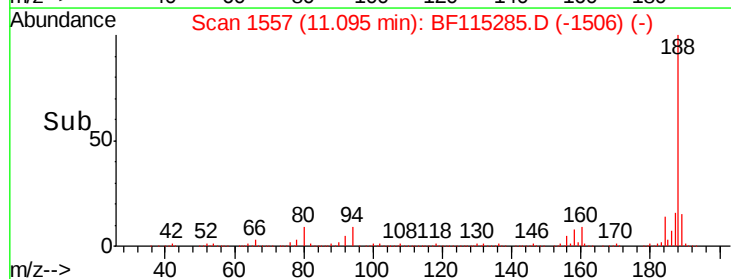
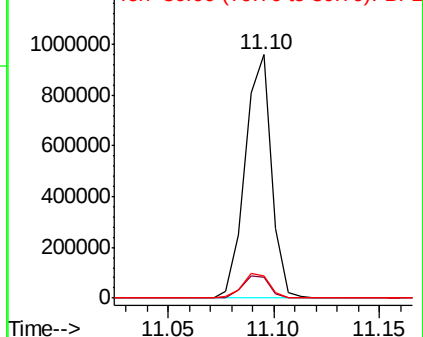
80 9.0 8.8 13.2

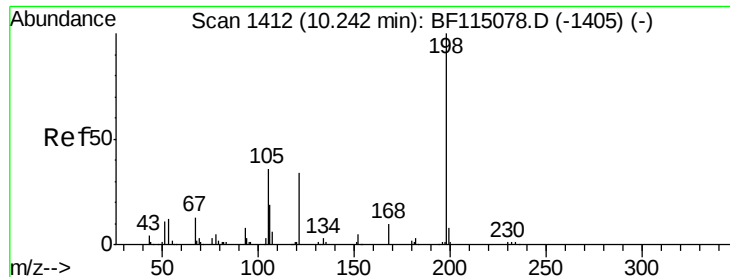


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

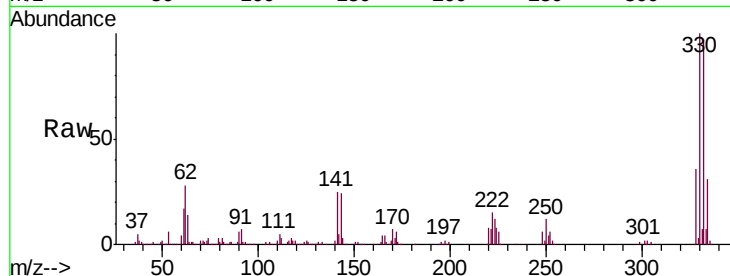




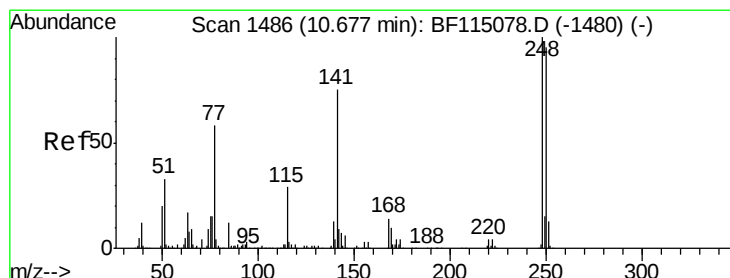
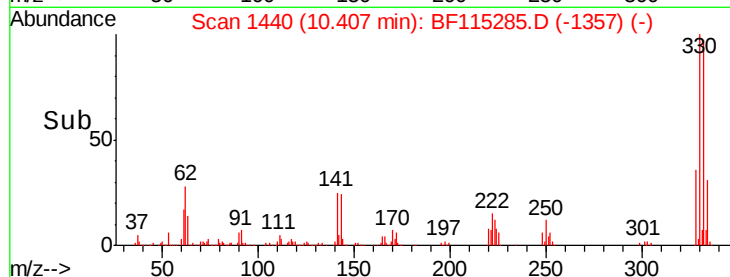
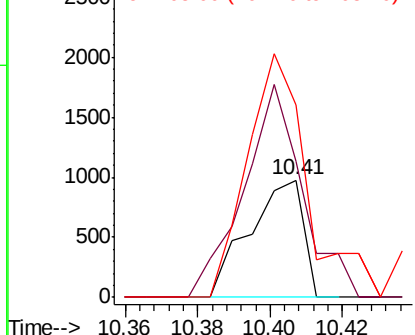
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 5.165 ng  
 RT: 10.41 min Scan# 1440  
 Delta R.T. 0.19 min  
 Lab File: BF115285.D  
 Acq: 28 Jun 2019 17:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-9

Tgt Ion:198 Resp: 1014  
 Ion Ratio Lower Upper  
 198 100  
 51 115.7 11.0 51.0#  
 105 164.0 17.3 57.3#

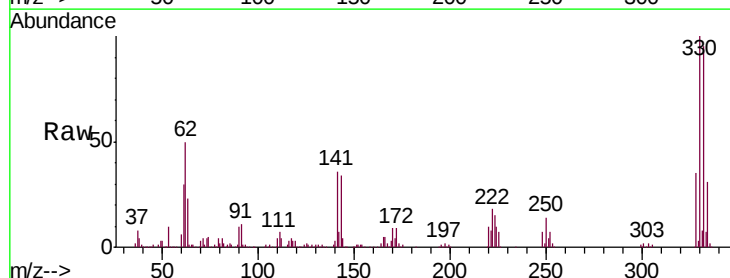


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

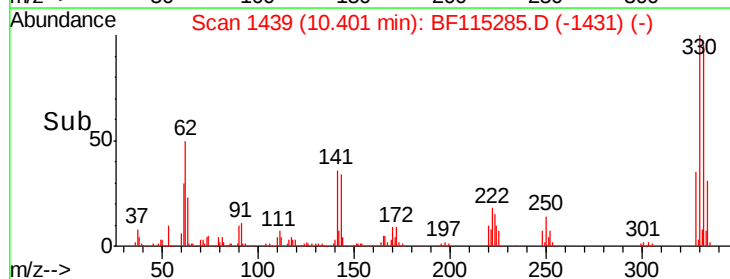
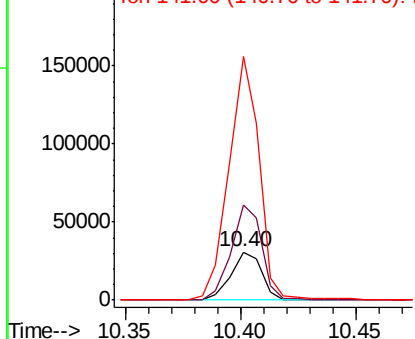


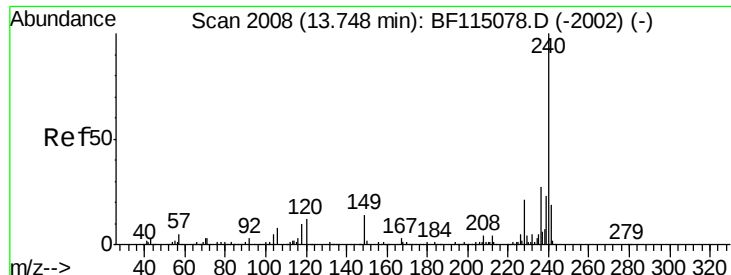
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.151 ng  
 RT: 10.40 min Scan# 1439  
 Delta R.T. -0.25 min  
 Lab File: BF115285.D  
 Acq: 28 Jun 2019 17:03

Tgt Ion:248 Resp: 28415  
 Ion Ratio Lower Upper  
 248 100  
 250 198.0 76.2 114.2#  
 141 509.6 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

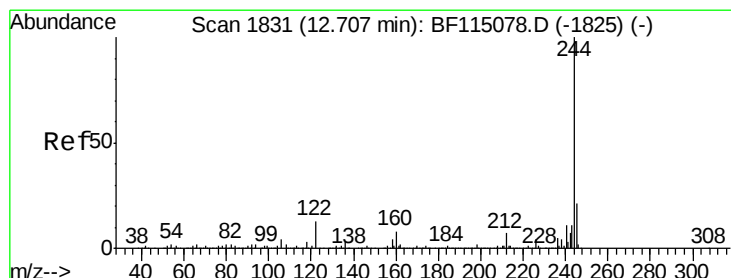
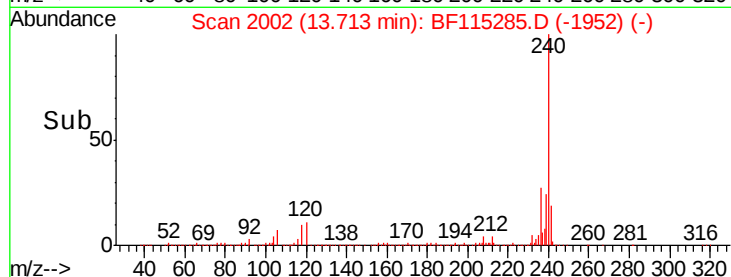
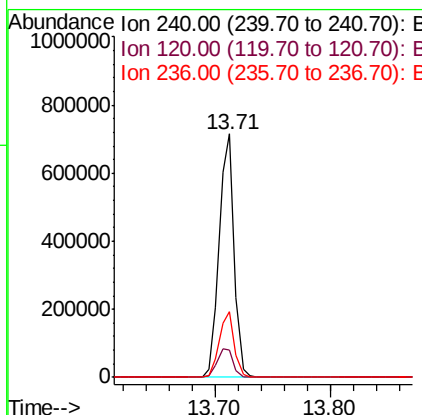
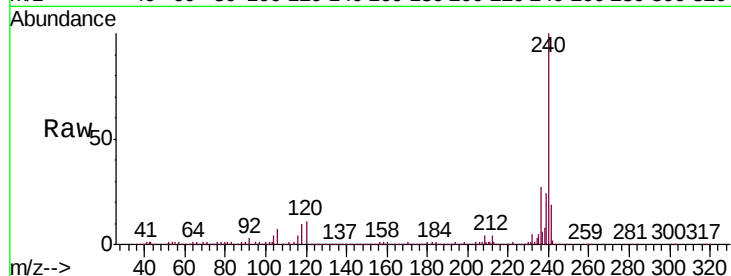




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.71 min Scan# 2002  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

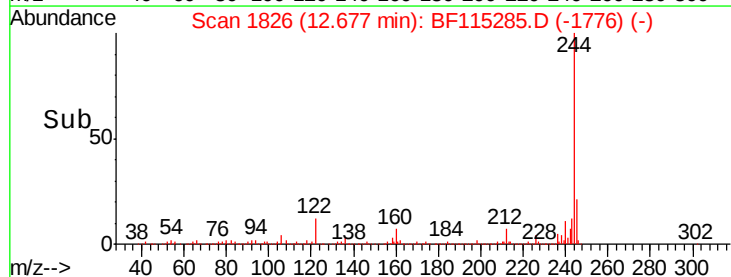
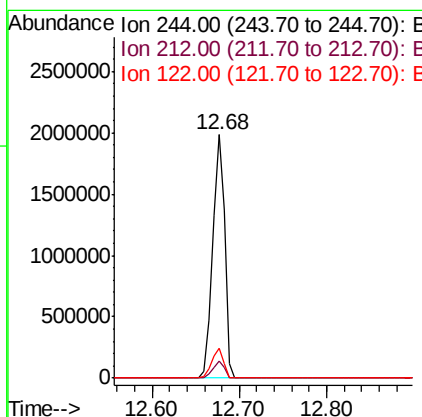
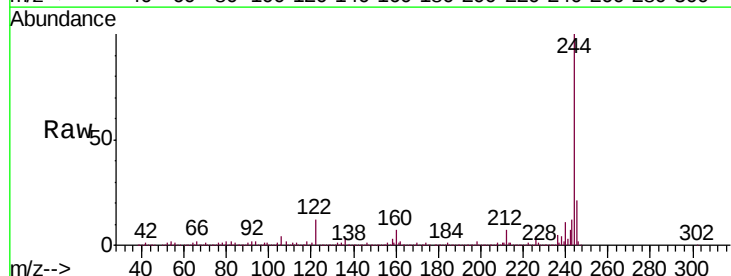
Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-9

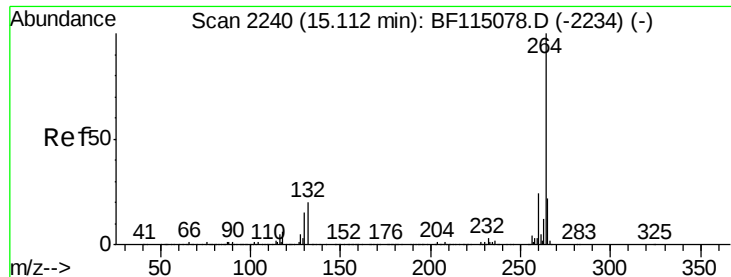
Tgt Ion:240 Resp: 644675  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.4 14.2  
236 26.7 21.7 32.5



#79  
Terphenyl-d14  
Concen: 62.569 ng  
RT: 12.68 min Scan# 1826  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Tgt Ion:244 Resp: 1897171  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.6  
122 12.4 10.4 15.6





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.07 min Scan# 2233  
Delta R.T. -0.01 min  
Lab File: BF115285.D  
Acq: 28 Jun 2019 17:03

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-9

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.6  | 29.4  |
| 265     | 21.6  | 17.3  | 25.9  |

