

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\  
 Data File : BF110774.D  
 Acq On : 14 Nov 2018 19:44  
 Operator : JU/SJ  
 Sample : J5918-01 10X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FDSB-05(10-12)

Quant Time: Nov 15 05:51:14 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 13 12:43:10 2018  
 Response via : Initial Calibration

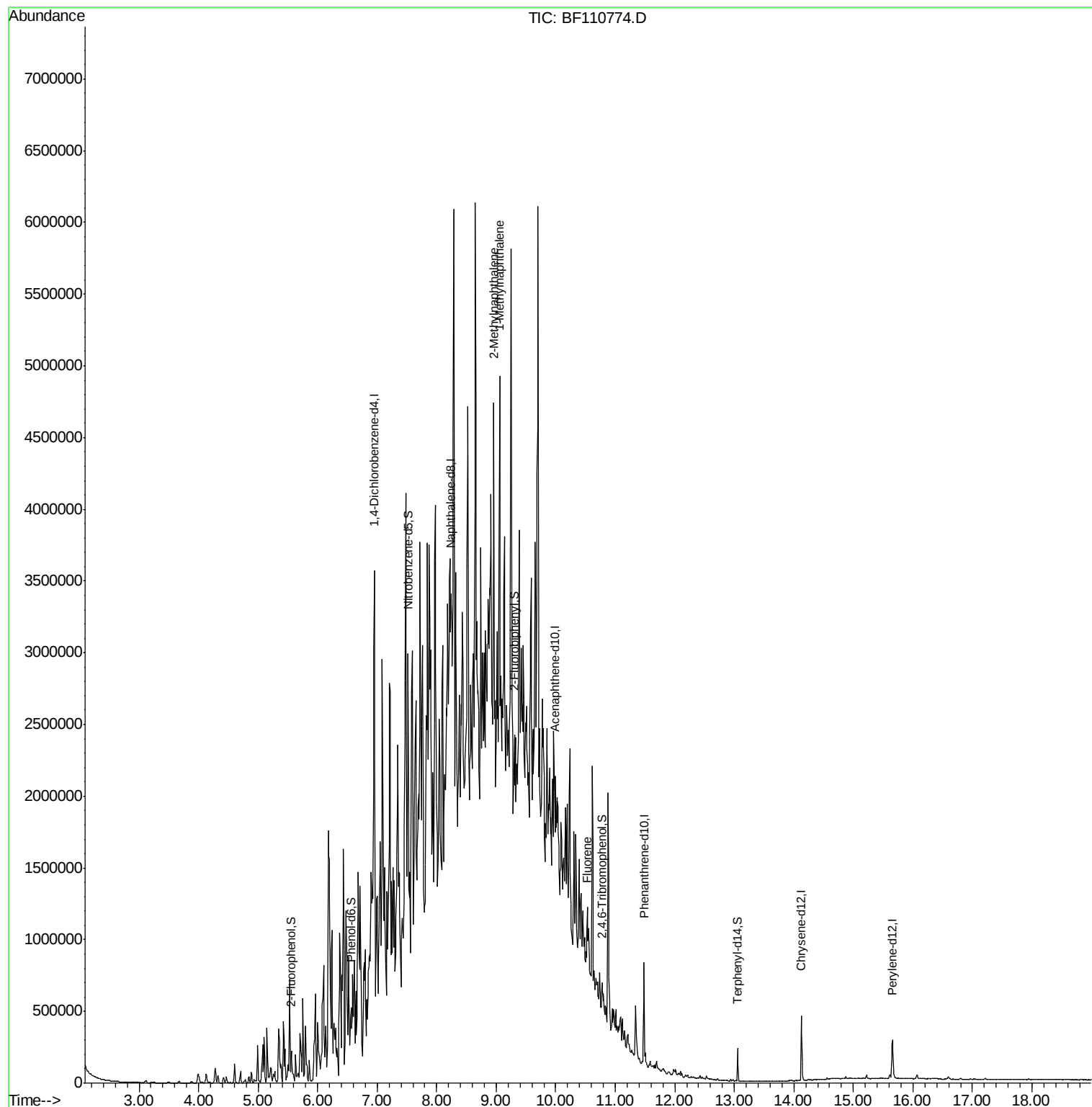
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|---------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 59457    | 20.00   | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.24  | 136  | 247397   | 20.00   | ng    | 0.01      |
| 39) Acenaphthene-d10        | 10.00 | 164  | 129361   | 20.00   | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.48 | 188  | 233680   | 20.00   | ng    | 0.00      |
| 76) Chrysene-d12            | 14.13 | 240  | 163199   | 20.00   | ng    | -0.01     |
| 87) Perylene-d12            | 15.66 | 264  | 149620   | 20.00   | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.56  | 112  | 55183    | 15.08   | ng    | 0.00      |
| 7) Phenol-d6                | 6.56  | 99   | 84281    | 18.01   | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 86276    | 20.08   | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.78 | 330  | 14642    | 11.23   | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.30  | 172  | 87027    | 9.61    | ng    | 0.00      |
| 79) Terphenyl-d14           | 13.06 | 244  | 74117    | 8.51    | ng    | -0.01     |
| Target Compounds            |       |      |          |         |       |           |
| 37) 2-Methylnaphthalene     | 8.96  | 142  | 973007   | 127.800 | ng    | Qvalue 98 |
| 38) 1-Methylnaphthalene     | 9.06  | 142  | 656099   | 89.607  | ng    | # 100     |
| 58) Fluorene                | 10.54 | 166  | 41726    | 4.693   | ng    | # 81      |

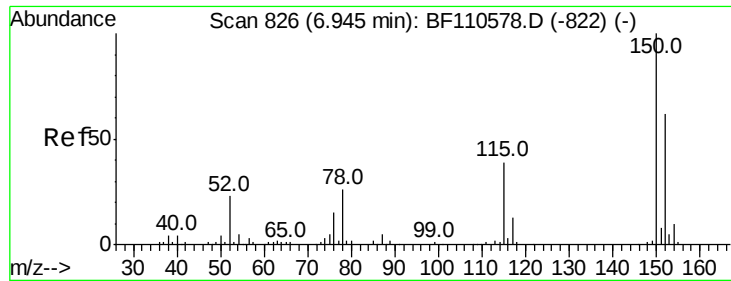
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5918-01 10X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
FDSB-05(10-12)

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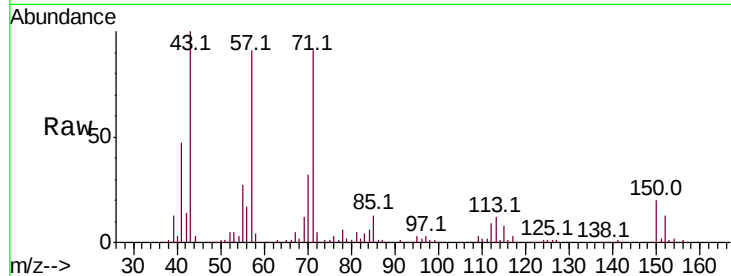


#1

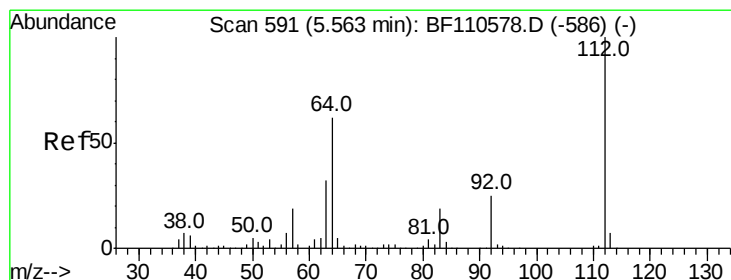
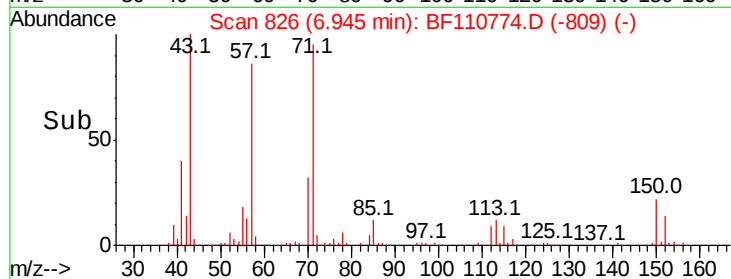
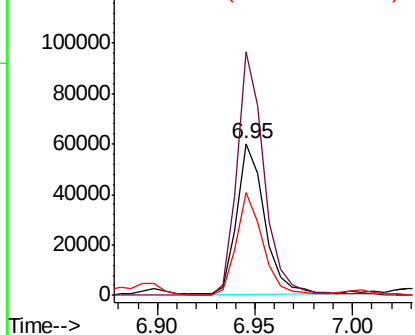
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 826  
Delta R.T. 0.00 min  
Lab File: BF110774.D  
Acq: 14 Nov 2018 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-05(10-12)

Tot Ion:152 Resp: 59457  
Ion Ratio Lower Upper  
152 100  
150 160.2 122.7 184.1  
115 67.6 49.1 73.7



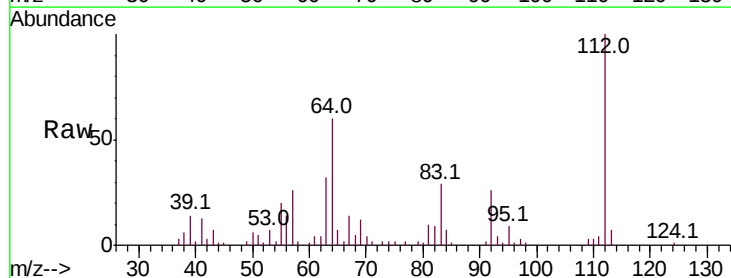
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



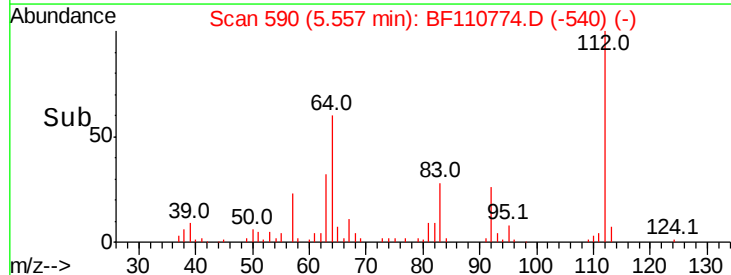
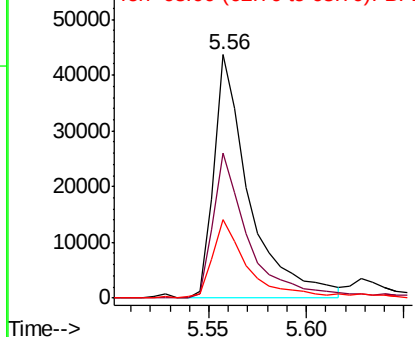
#5

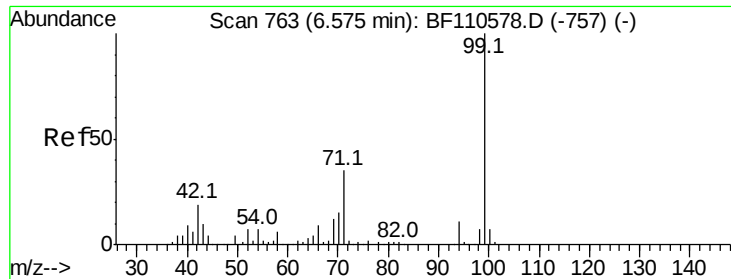
2-Fluorophenol  
Concen: 15.076 ng  
RT: 5.56 min Scan# 590  
Delta R.T. -0.01 min  
Lab File: BF110774.D  
Acq: 14 Nov 2018 19:44

Tgt Ion:112 Resp: 55183  
Ion Ratio Lower Upper  
112 100  
64 59.7 44.1 66.1  
63 32.4 23.7 35.5



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: 18.006 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110774.D

Acq: 14 Nov 2018 19:44

Instrument :

BNA\_F

ClientSampleId :

FDSB-05(10-12)

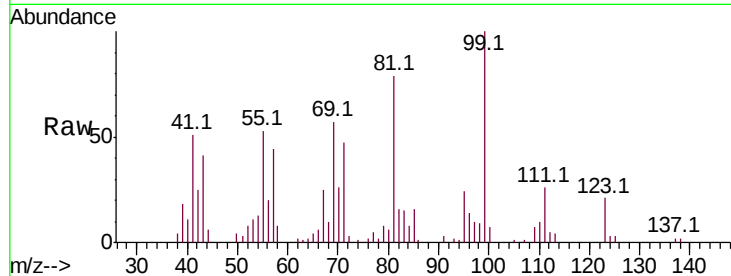
Tot Ion: 99 Resp: 84281

Ion Ratio Lower Upper

99 100

42 25.4 15.8 23.6#

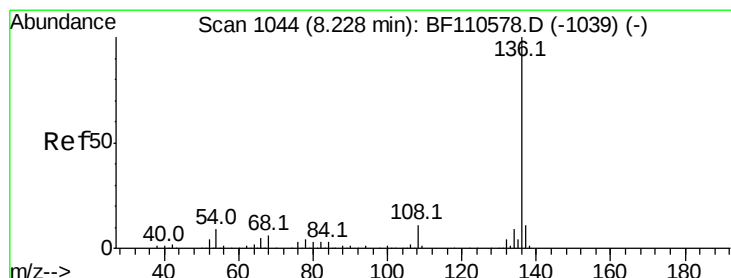
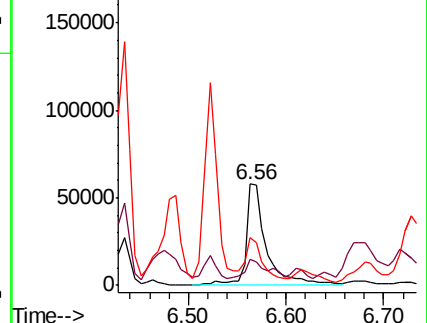
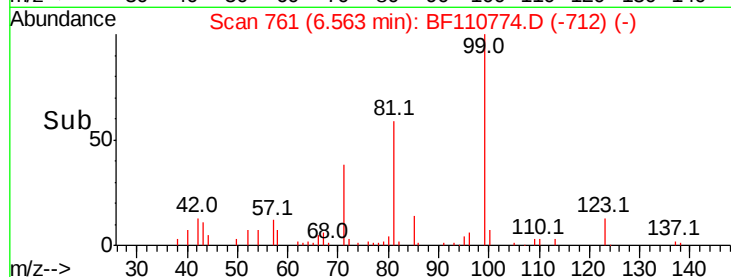
71 47.1 28.0 42.0#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF110774.D

Acq: 14 Nov 2018 19:44

Tgt Ion: 136 Resp: 247397

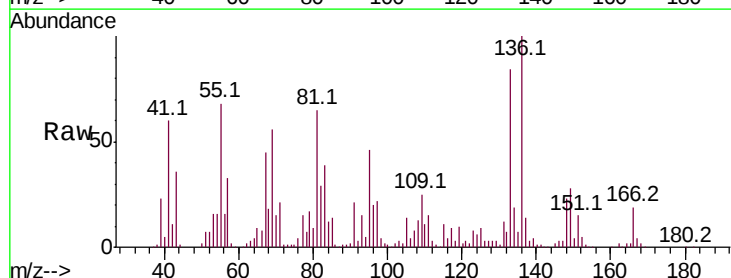
Ion Ratio Lower Upper

136 100

137 14.3 8.8 13.2#

54 16.1 5.4 8.2#

68 17.7 4.2 6.2#

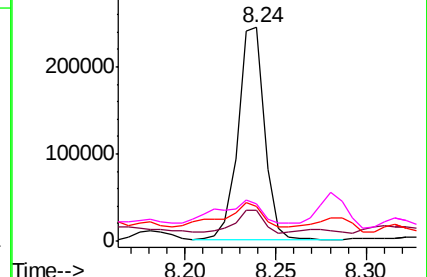
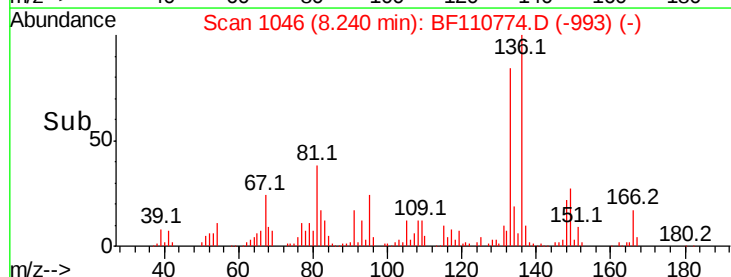


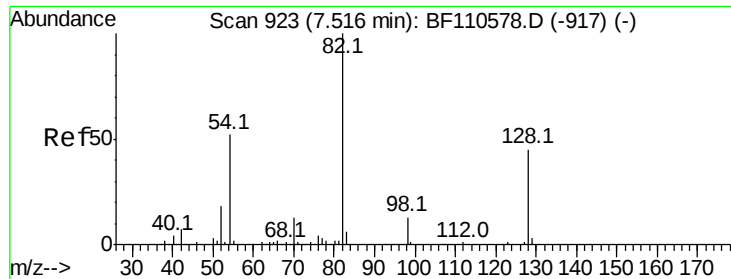
Abundance Ion 136.00 (135.70 to 136.70): E

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

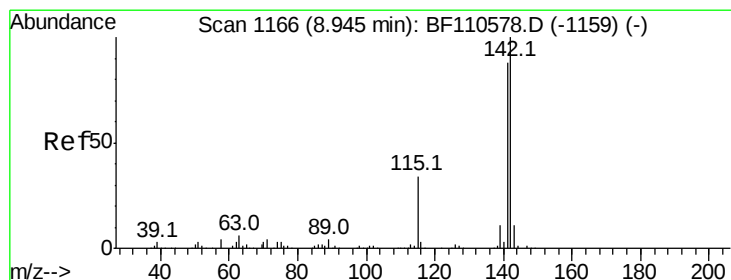
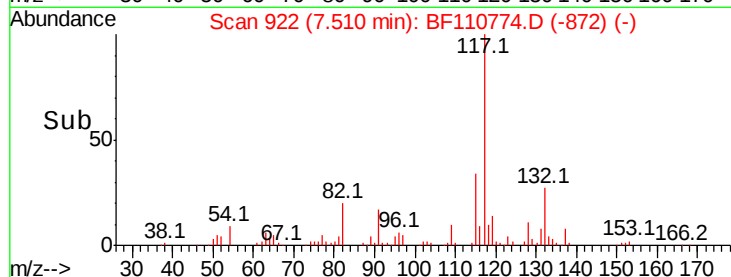
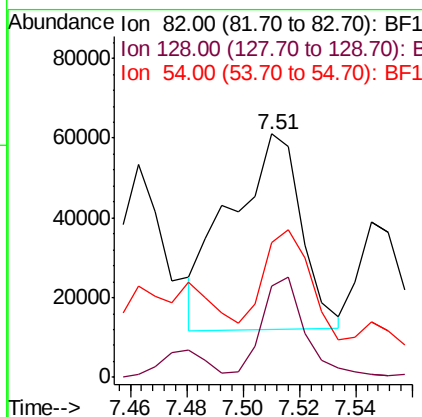
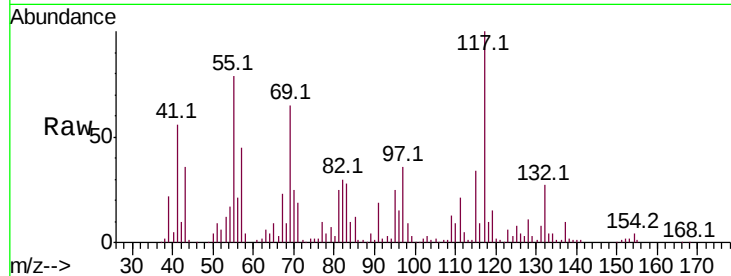




#23  
Nitrobenzene-d5  
Concen: 20.083 ng  
RT: 7.51 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BF110774.D  
Acq: 14 Nov 2018 19:44

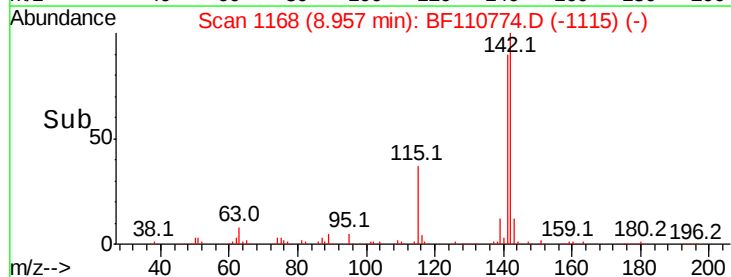
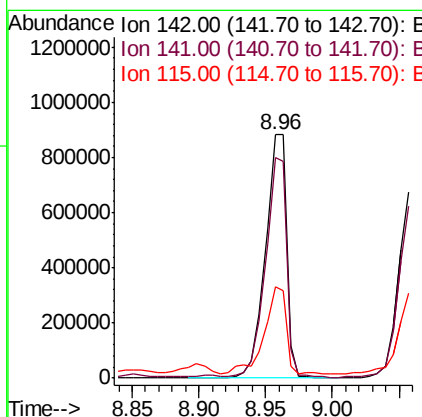
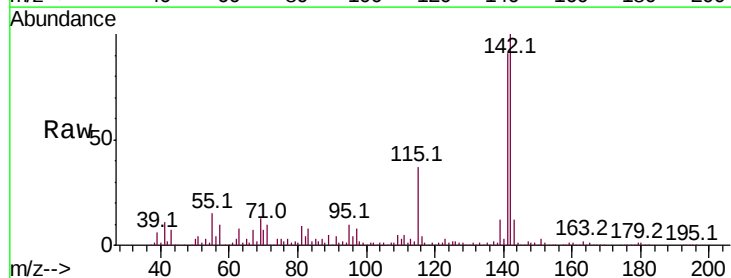
Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-05(10-12)

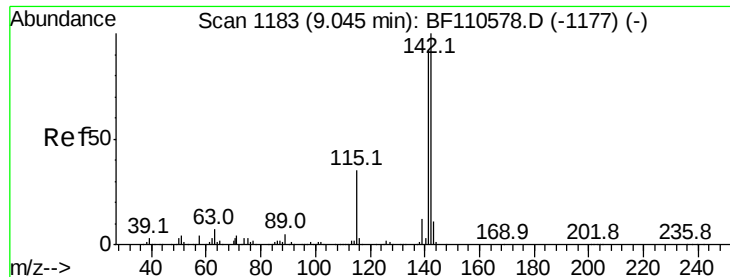
Tot Ion: 82 Resp: 86276  
Ion Ratio Lower Upper  
82 100  
128 37.7 34.2 51.2  
54 55.4 38.6 58.0



#37  
2-Methylnaphthalene  
Concen: 127.800 ng  
RT: 8.96 min Scan# 1168  
Delta R.T. 0.01 min  
Lab File: BF110774.D  
Acq: 14 Nov 2018 19:44

Tgt Ion: 142 Resp: 973007  
Ion Ratio Lower Upper  
142 100  
141 90.8 71.4 107.2  
115 37.5 28.7 43.1

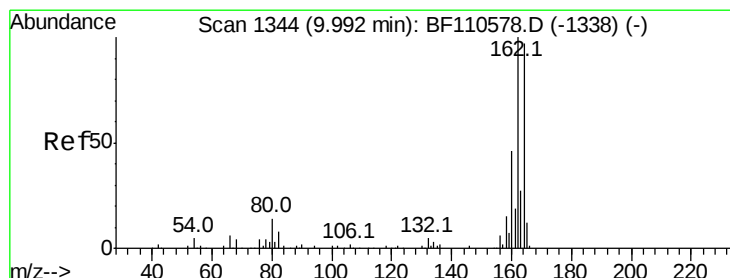
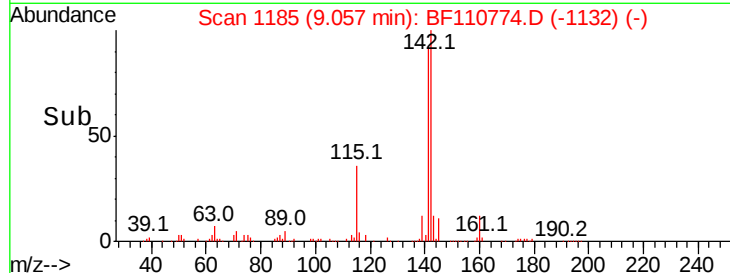
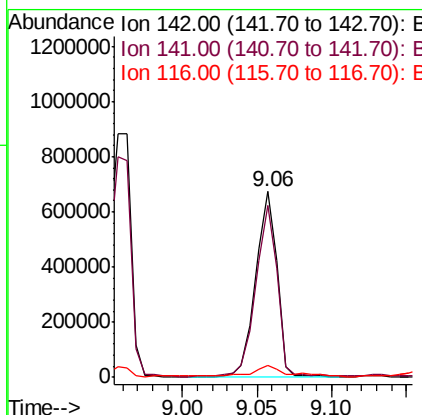
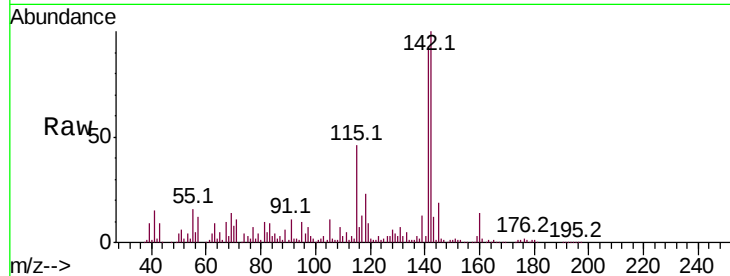




#38  
 1-Methylnaphthalene  
 Concen: 89.607 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. 0.01 min  
 Lab File: BF110774.D  
 Acq: 14 Nov 2018 19:44

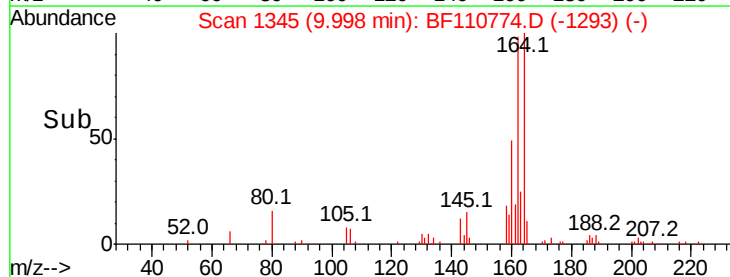
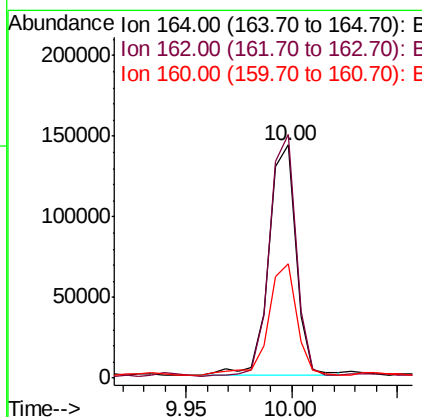
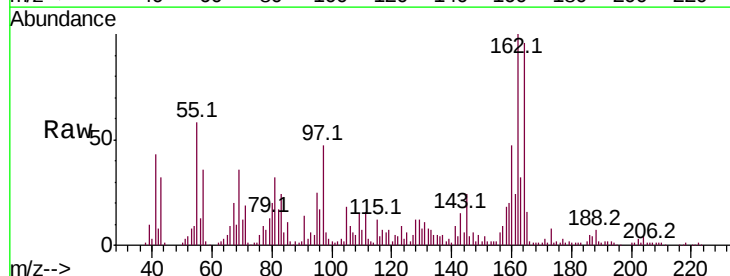
Instrument :  
 BNA\_F  
 ClientSampleId :  
 FDSB-05(10-12)

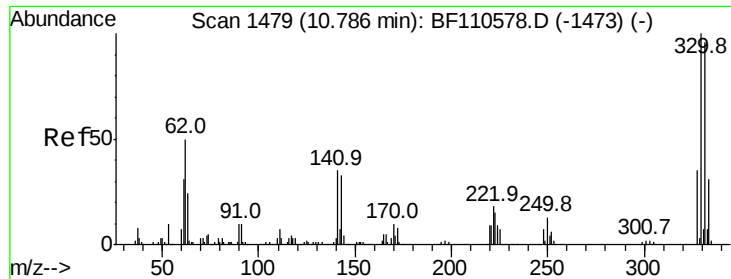
Tot Ion:142 Resp: 656099  
 Ion Ratio Lower Upper  
 142 100  
 141 92.7 74.2 111.4  
 116 6.7 2.6 4.0#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1345  
 Delta R.T. 0.01 min  
 Lab File: BF110774.D  
 Acq: 14 Nov 2018 19:44

Tgt Ion:164 Resp: 129361  
 Ion Ratio Lower Upper  
 164 100  
 162 104.6 83.0 124.6  
 160 49.1 37.0 55.6

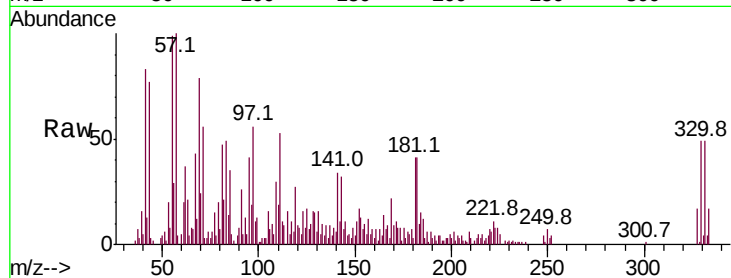




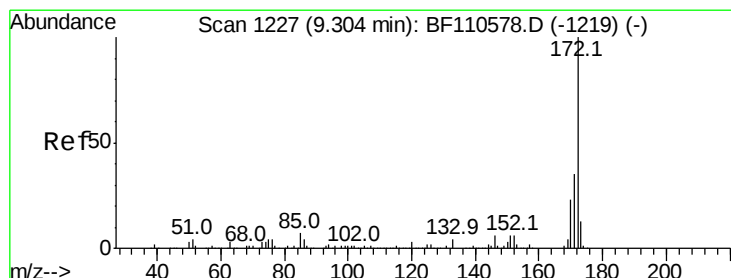
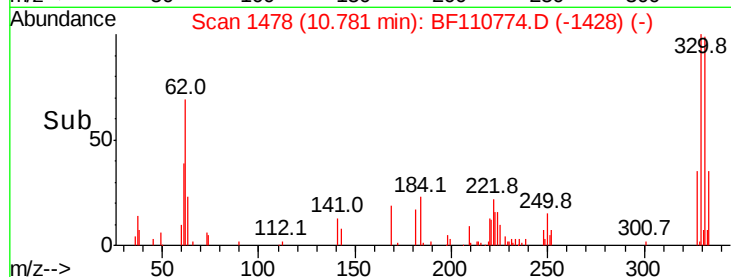
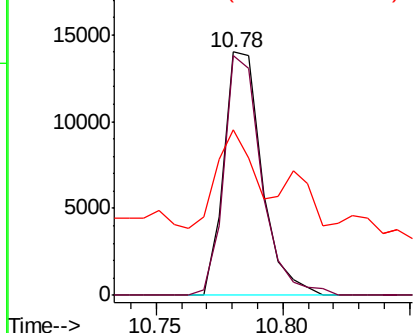
#42  
 2,4,6-Tribromophenol  
 Concen: 11.233 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF110774.D  
 Acq: 14 Nov 2018 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FDSB-05(10-12)

Tot Ion:330 Resp: 14642  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.1 115.7  
 141 43.4 27.0 40.4#

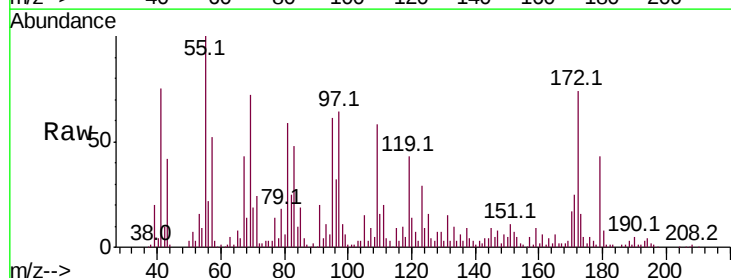


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

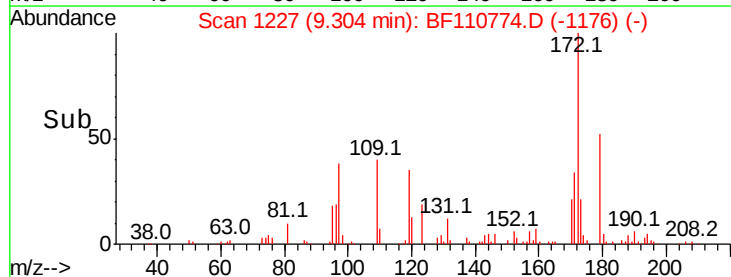
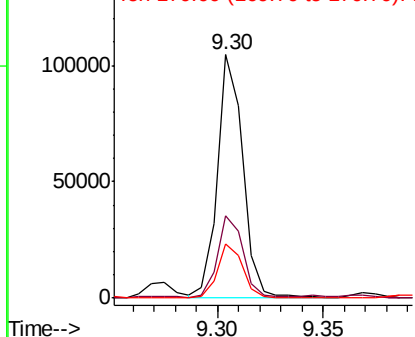


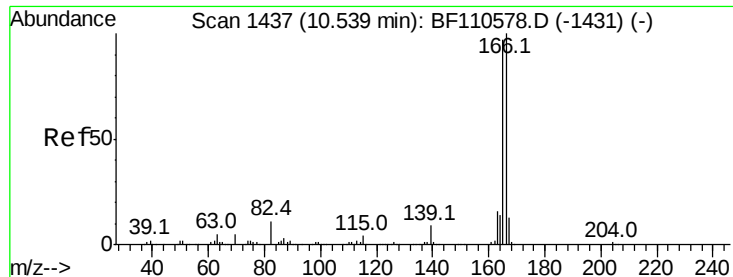
#45  
 2-Fluorobiphenyl  
 Concen: 9.608 ng  
 RT: 9.30 min Scan# 1227  
 Delta R.T. 0.00 min  
 Lab File: BF110774.D  
 Acq: 14 Nov 2018 19:44

Tgt Ion:172 Resp: 87027  
 Ion Ratio Lower Upper  
 172 100  
 171 34.0 28.6 43.0  
 170 22.5 19.7 29.5



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





#58

Fluorene

Concen: 4.693 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BF110774.D

Acq: 14 Nov 2018 19:44

Instrument :

BNA\_F

ClientSampleId :

FDSB-05(10-12)

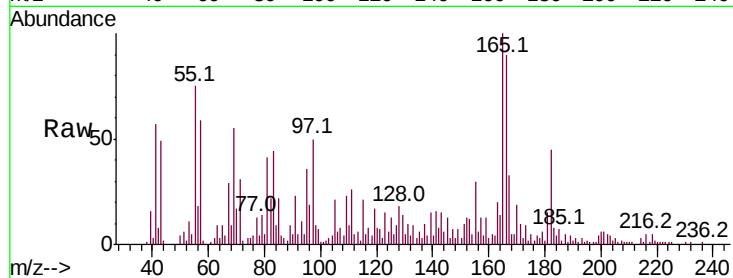
Tot Ion:166 Resp: 41726

Ion Ratio Lower Upper

166 100

165 111.4 78.6 117.8

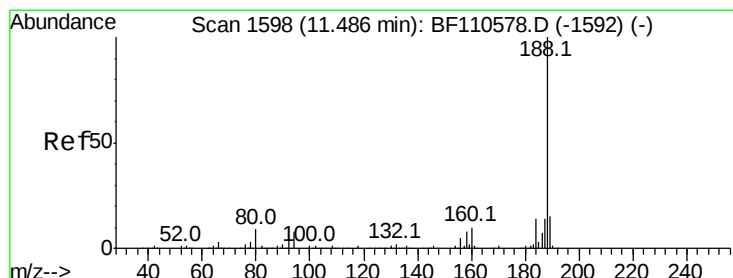
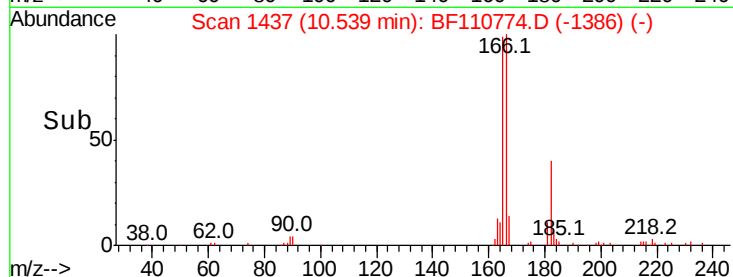
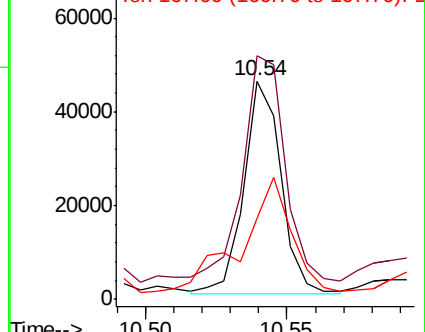
167 37.3 10.8 16.2#



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: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110774.D

Acq: 14 Nov 2018 19:44

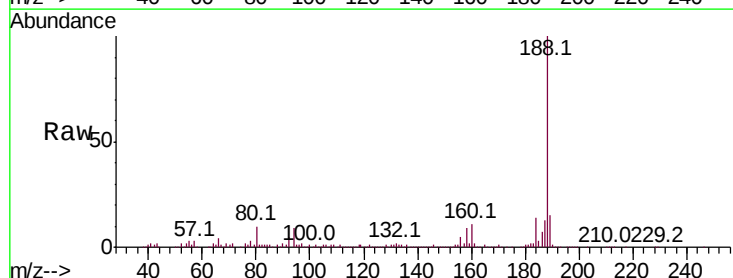
Tgt Ion:188 Resp: 233680

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

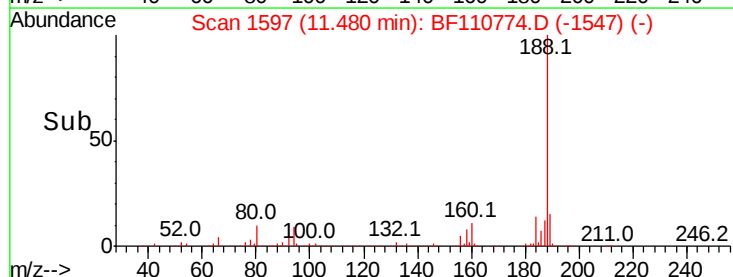
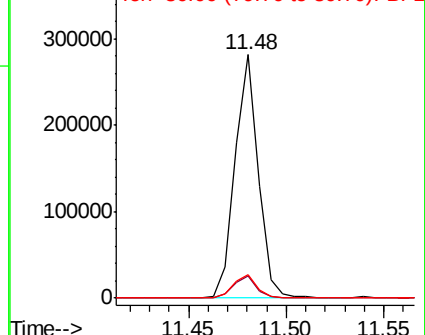
80 9.8 7.9 11.9

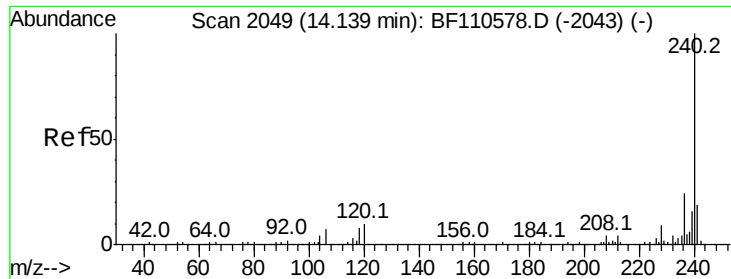


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

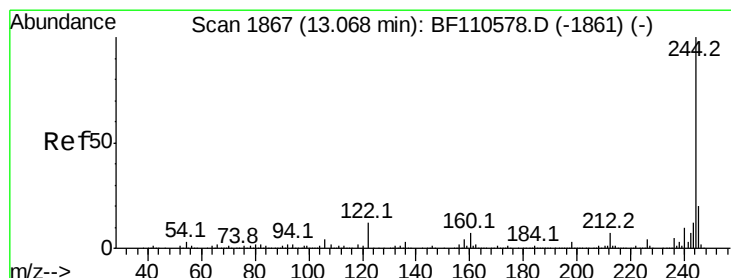
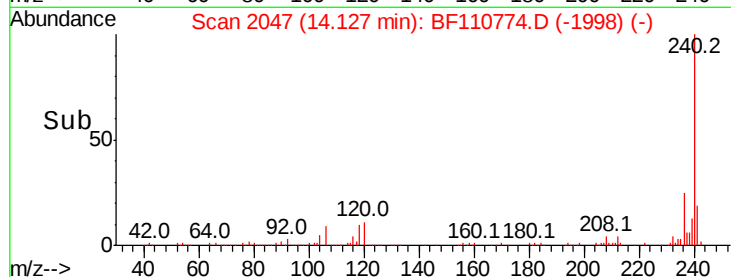
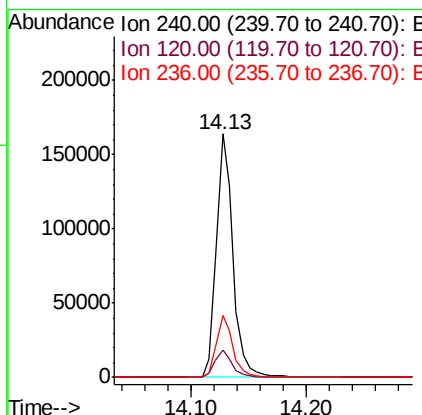
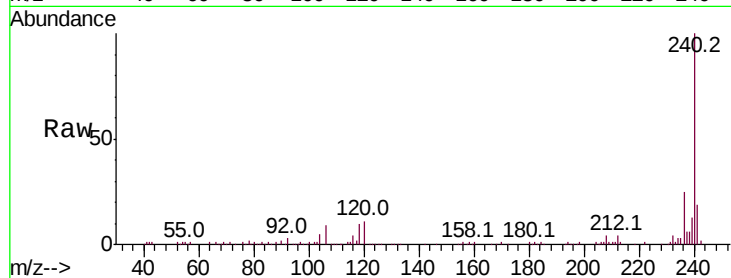




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF110774.D  
Acq: 14 Nov 2018 19:44

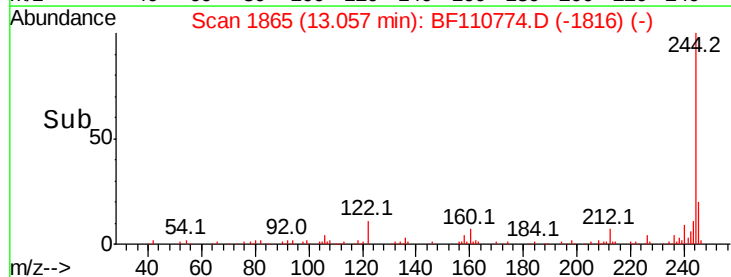
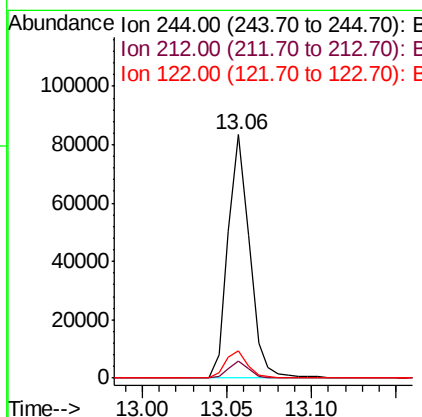
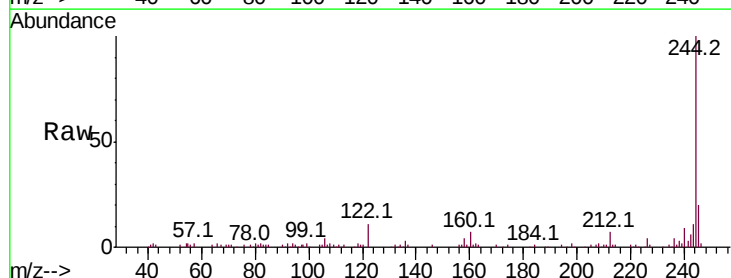
Instrument :  
BNA\_F  
ClientSampleId :  
FDSB-05(10-12)

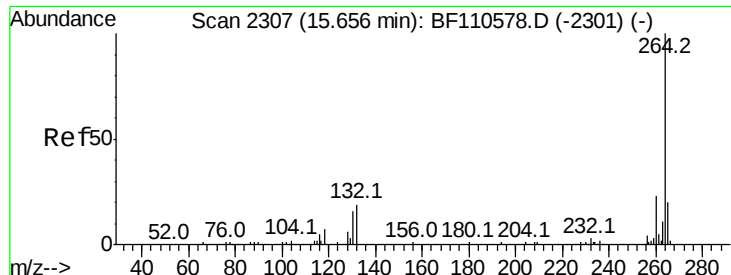
Tot Ion:240 Resp: 163199  
Ion Ratio Lower Upper  
240 100  
120 11.4 8.3 12.5  
236 25.3 21.2 31.8



#79  
Terphenyl-d14  
Concen: 8.505 ng  
RT: 13.06 min Scan# 1865  
Delta R.T. -0.01 min  
Lab File: BF110774.D  
Acq: 14 Nov 2018 19:44

Tgt Ion:244 Resp: 74117  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.8  
122 11.4 8.7 13.1

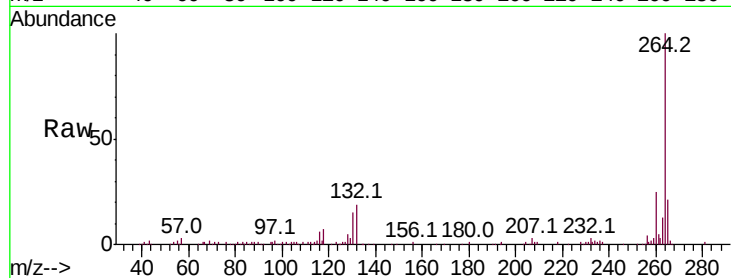




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.66 min Scan# 2307  
 Delta R.T. 0.00 min  
 Lab File: BF110774.D  
 Acq: 14 Nov 2018 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FDSB-05(10-12)

Tot Ion:264 Resp: 149620  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 18.7 28.1  
 265 20.8 16.7 25.1



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

