

Data Path : Z:\HPCHEM1\BNA F\Data\BF072616\  
 Data File : BF089307.D  
 Acq On : 26 Jul 2016 12:07  
 Operator : UM/SJ  
 Sample : H4207-09  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-2

Quant Time: Jul 26 12:48:20 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 25 16:56:43 2016  
 Response via : Initial Calibration

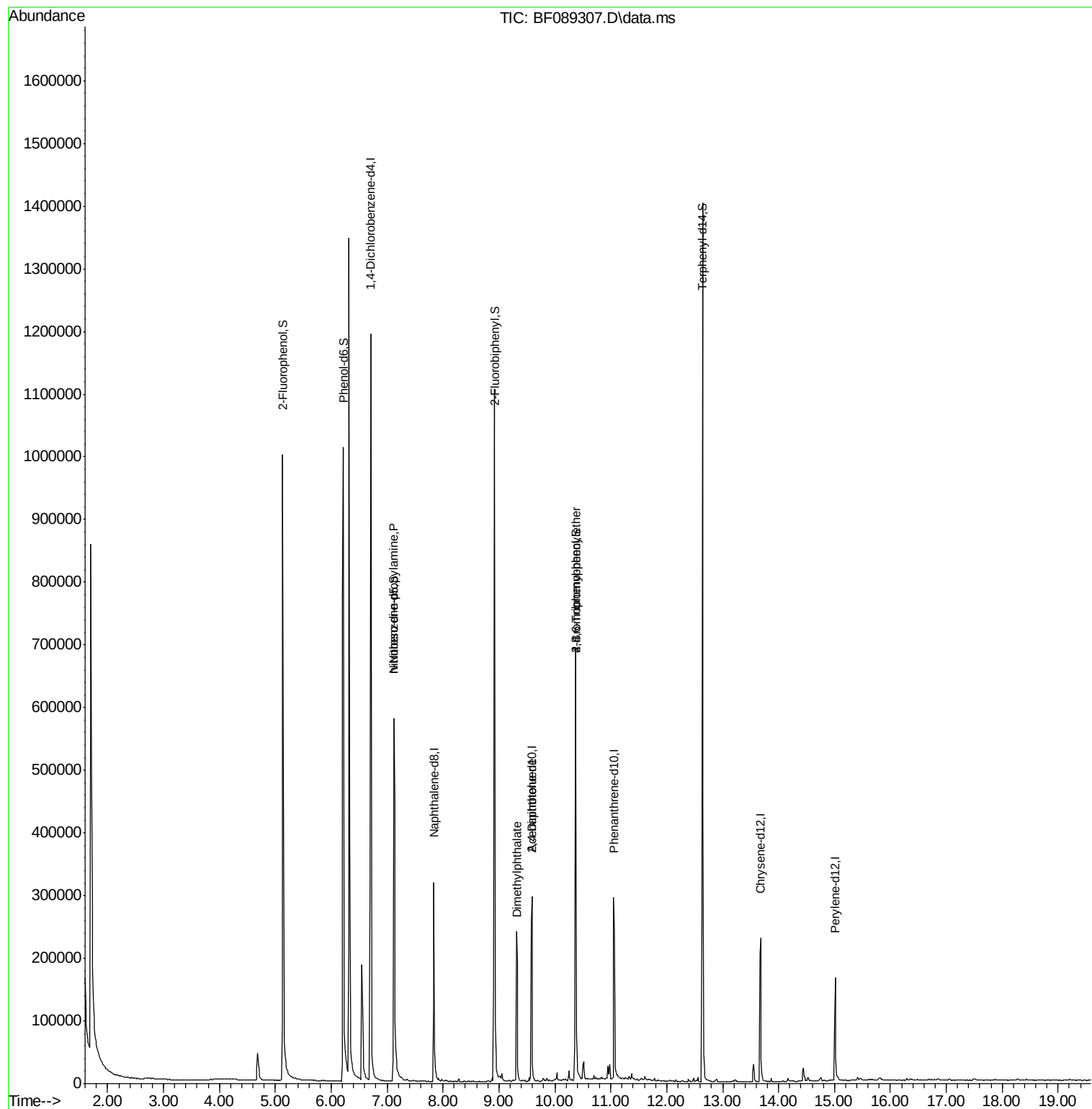
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.707  | 152  | 191008   | 20.00     | ng    | 0.14     |
| 21) Naphthalene-d8            | 7.839  | 136  | 195572   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10          | 9.588  | 164  | 86457    | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10          | 11.051 | 188  | 172544   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12              | 13.679 | 240  | 125028   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12              | 15.017 | 264  | 83845    | 20.00     | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.130  | 112  | 402792   | 32.07     | ng    | -0.01    |
| 7) Phenol-d6                  | 6.216  | 99   | 579343   | 35.77     | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.119  | 82   | 333095   | 90.50     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol      | 10.376 | 330  | 116964   | 150.26    | ng    | -0.01    |
| 44) 2-Fluorobiphenyl          | 8.925  | 172  | 588033   | 93.71     | ng    | -0.01    |
| 78) Terphenyl-d14             | 12.639 | 244  | 479461   | 83.18     | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       |          |
| 9) Benzaldehyde               | 6.216  | 77   | 692      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.119  | 70   | 44616    | 4.21 ng   | #     | 82       |
| 49) Dimethylphthalate         | 9.325  | 163  | 146174   | 22.03 ng  |       | 99       |
| 56) 2,4-Dinitrotoluene        | 9.588  | 165  | 10731    | 5.56 ng   | #     | 10       |
| 66) 4-Bromophenyl-phenylether | 10.376 | 248  | 8540     | 5.00 ng   | #     | 1        |
| -----                         |        |      |          |           |       |          |

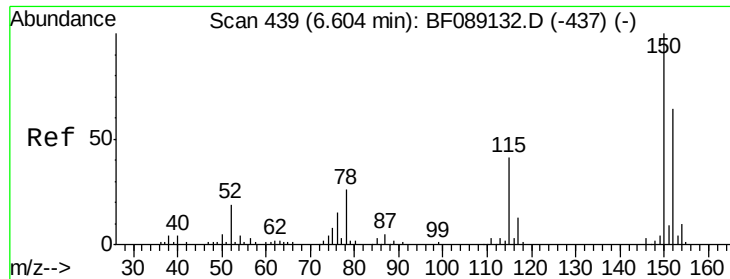
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF072616\  
Data File : BF089307.D  
Acq On : 26 Jul 2016 12:07  
Operator : UM/SJ  
Sample : H4207-09  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SW-2

Quant Time: Jul 26 12:48:20 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 25 16:56:43 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.707 min Scan# 44

Delta R.T. 0.137 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Instrument :

BNA\_F

ClientSampleId :

SW-2

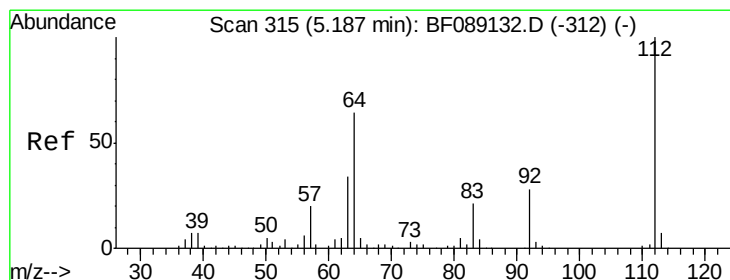
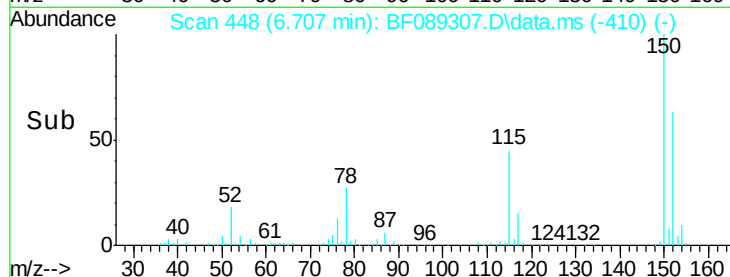
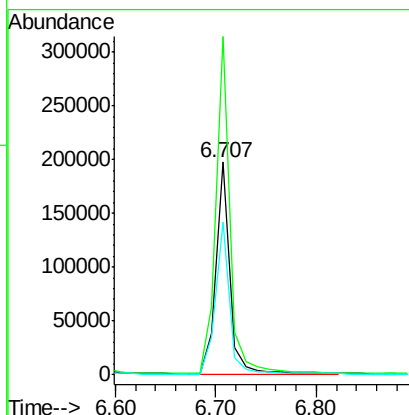
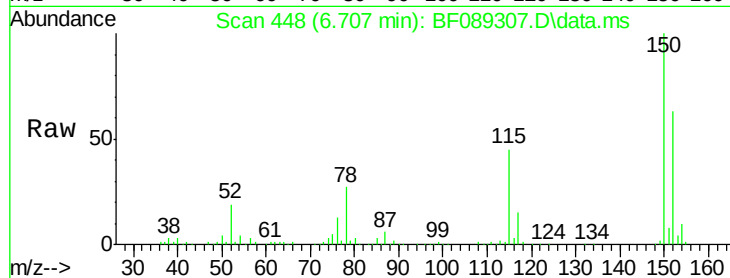
Tot Ion:152 Resp: 191008

Ion Ratio Lower Upper

152 100

150 159.1 125.1 187.7

115 71.9 51.1 76.7



#5

2-Fluorophenol

Concen: 32.07 ng

RT: 5.130 min Scan# 310

Delta R.T. -0.011 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

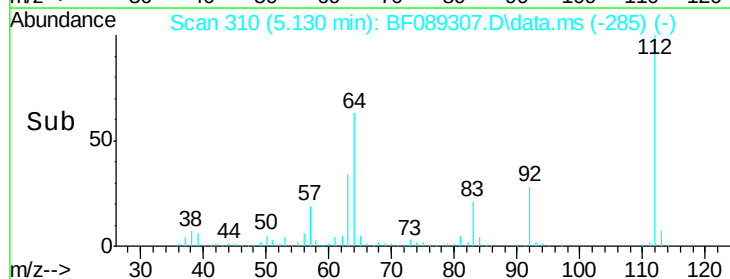
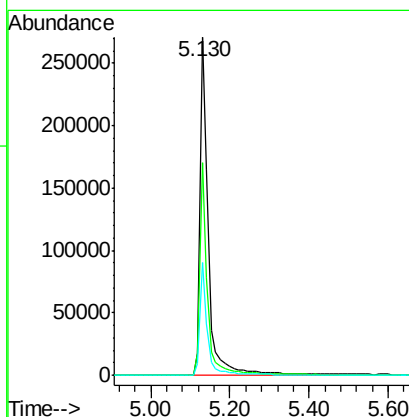
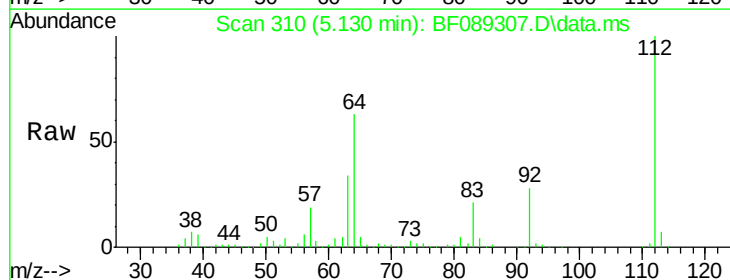
Tgt Ion:112 Resp: 402792

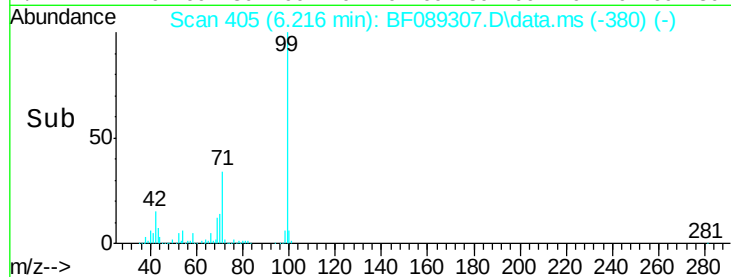
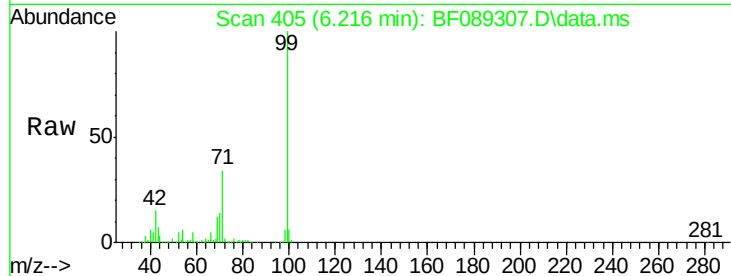
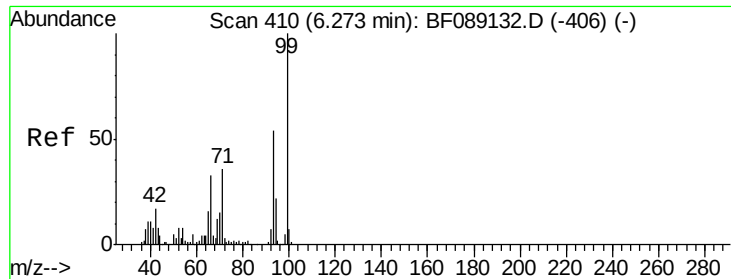
Ion Ratio Lower Upper

112 100

64 62.9 51.0 76.4

63 33.5 27.3 40.9





#7

Phenol-d6

Concen: 35.77 ng

RT: 6.216 min Scan# 40

Delta R.T. -0.011 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Instrument :

BNA\_F

ClientSampleId :

SW-2

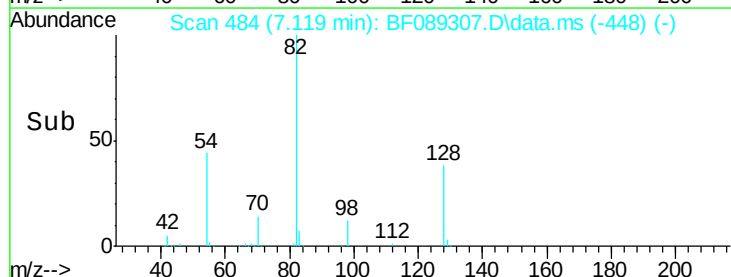
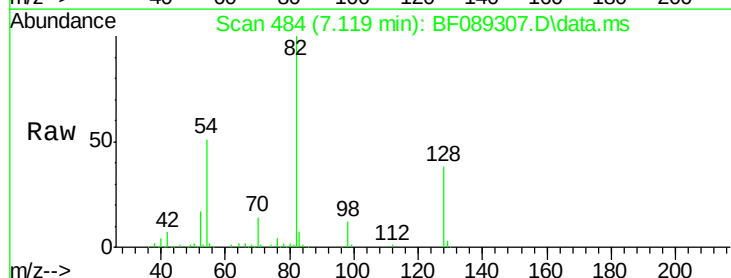
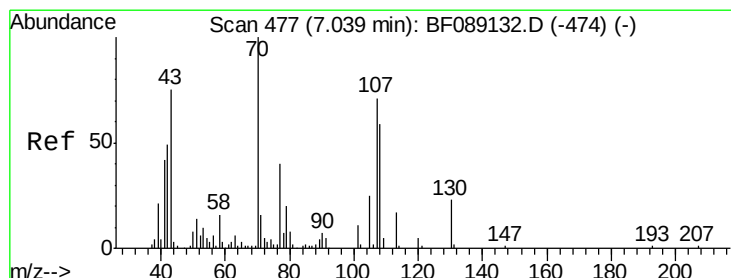
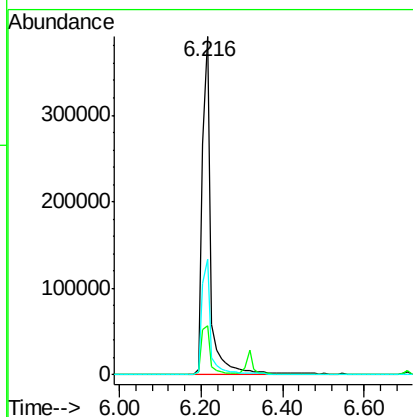
Tot Ion: 99 Resp: 579343

Ion Ratio Lower Upper

99 100

42 14.6 13.5 20.3

71 34.0 28.9 43.3



#19

n-Nitroso-di-n-propylamine

Concen: 4.21 ng

RT: 7.119 min Scan# 484

Delta R.T. 0.114 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Tgt Ion: 70 Resp: 44616

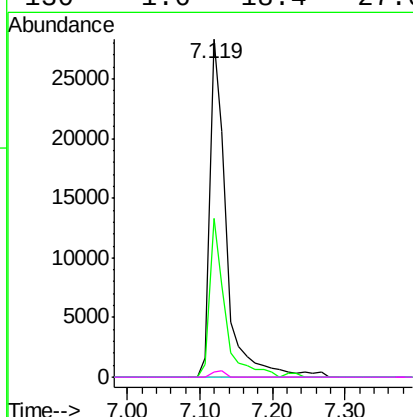
Ion Ratio Lower Upper

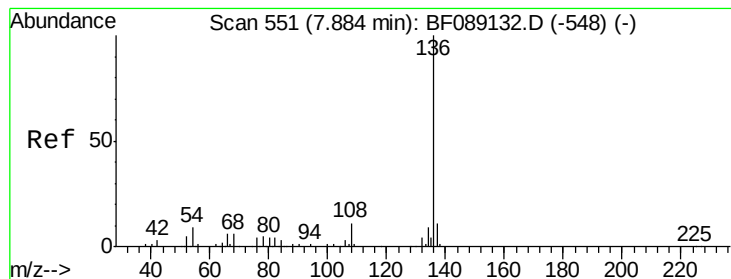
70 100

42 46.9 39.2 58.8

101 0.0 8.5 12.7#

130 1.6 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.839 min Scan# 54

Delta R.T. -0.011 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Instrument :

BNA\_F

ClientSampleId :

SW-2

Tot Ion:136 Resp: 195572

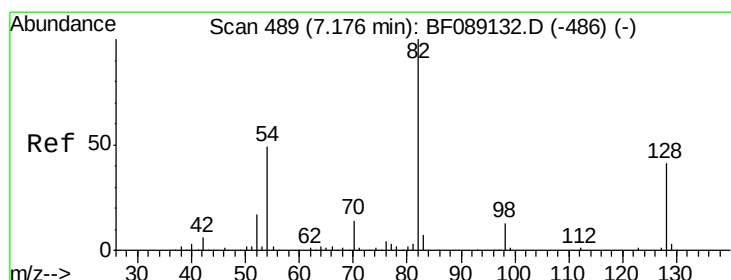
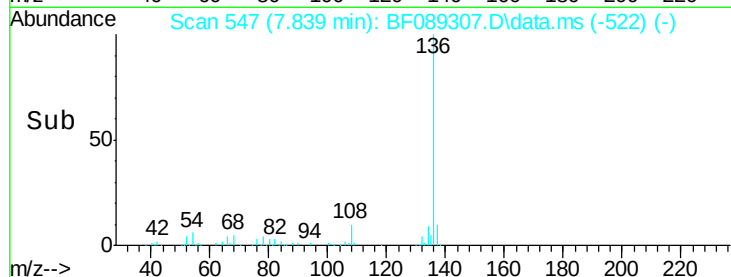
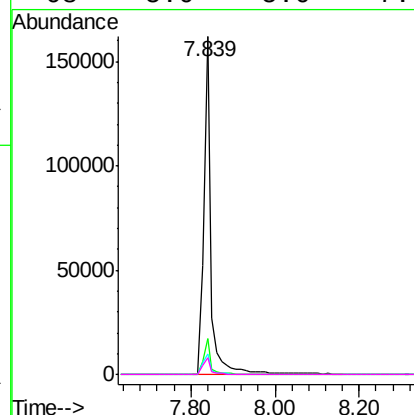
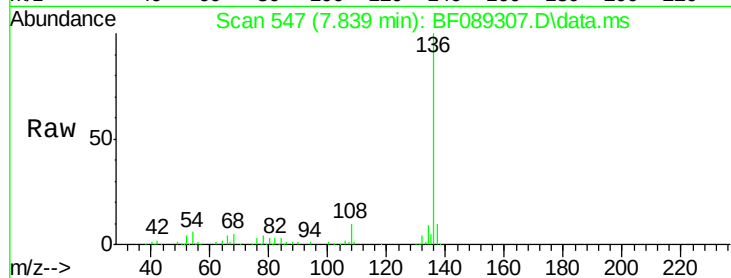
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 6.0 7.0 10.4#

68 5.0 5.0 7.6#



#23

Nitrobenzene-d5

Concen: 90.50 ng

RT: 7.119 min Scan# 484

Delta R.T. -0.023 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

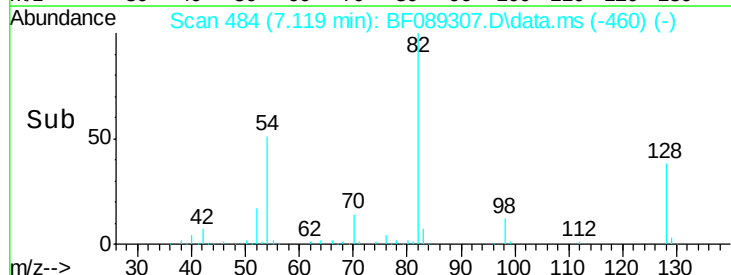
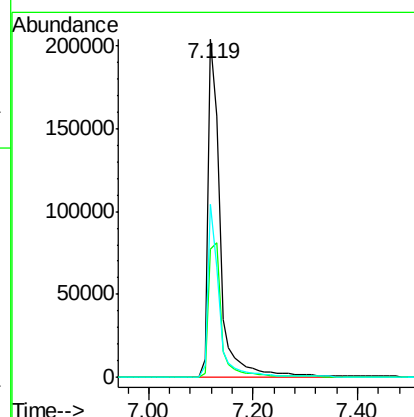
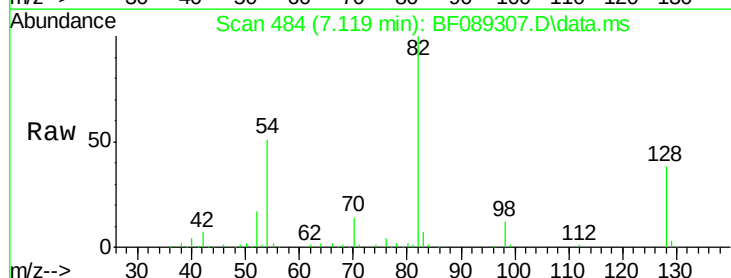
Tgt Ion: 82 Resp: 333095

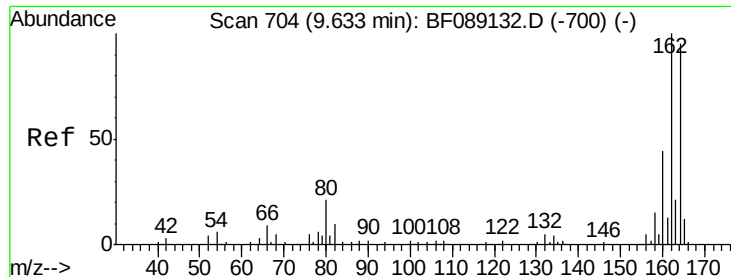
Ion Ratio Lower Upper

82 100

128 37.9 33.0 49.6

54 51.1 39.0 58.4

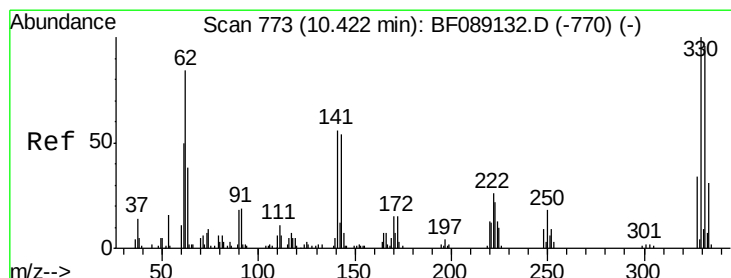
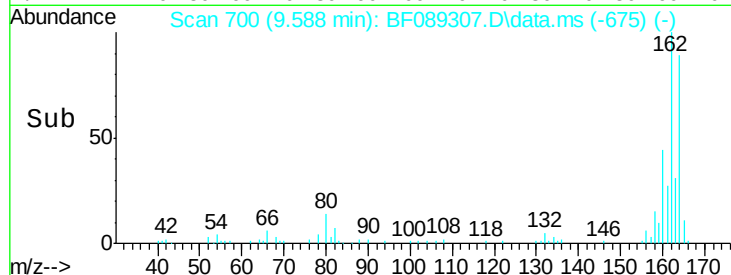
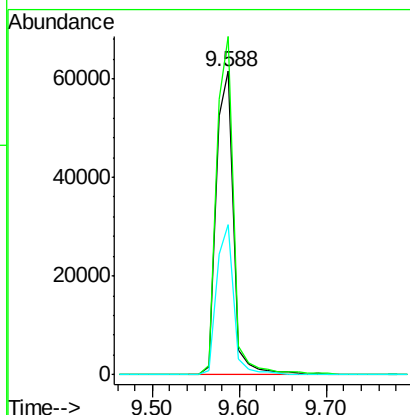
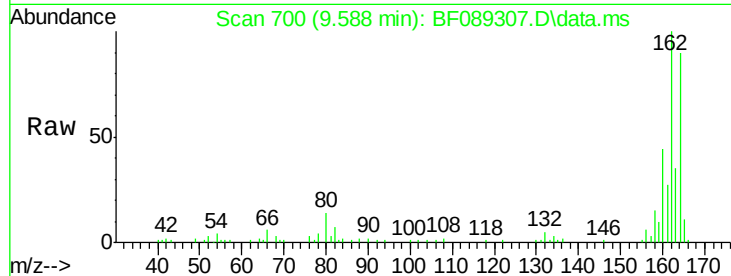




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.588 min Scan# 70  
Delta R.T. -0.011 min  
Lab File: BF089307.D  
Acq: 26 Jul 2016 12:07

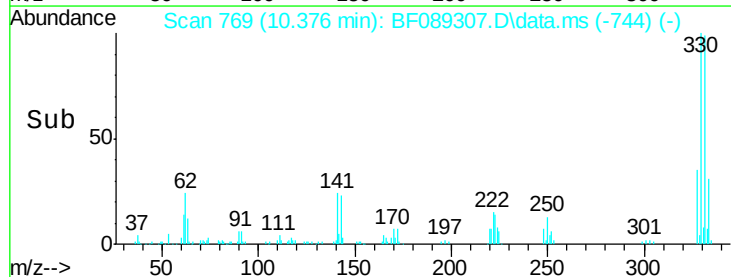
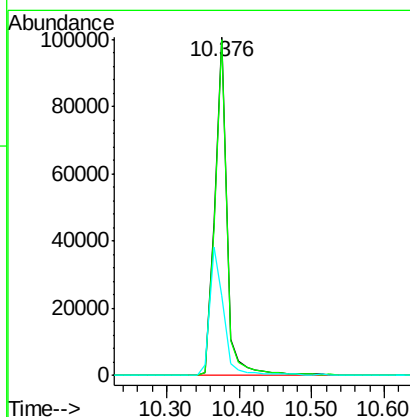
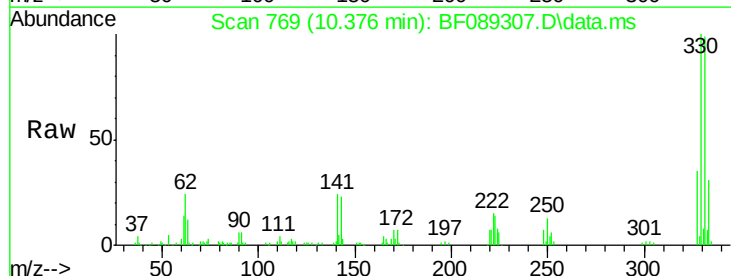
Instrument :  
BNA\_F  
ClientSampleId :  
SW-2

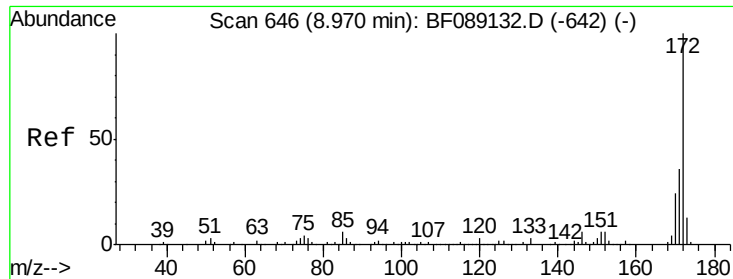
|             |       |            |
|-------------|-------|------------|
| Tot Ion:164 | Resp: | 86457      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 162         | 111.4 | 84.1 126.1 |
| 160         | 49.6  | 37.1 55.7  |



#41  
2,4,6-Tribromophenol  
Concen: 150.26 ng  
RT: 10.376 min Scan# 769  
Delta R.T. -0.011 min  
Lab File: BF089307.D  
Acq: 26 Jul 2016 12:07

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:330 | Resp: | 116964     |
| Ion Ratio   | Lower | Upper      |
| 330         | 100   |            |
| 332         | 98.0  | 77.2 115.8 |
| 141         | 43.2  | 42.2 63.2  |

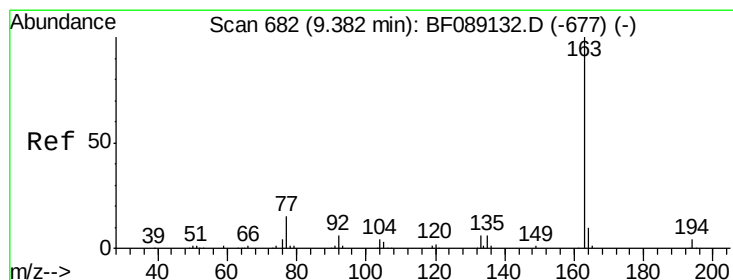
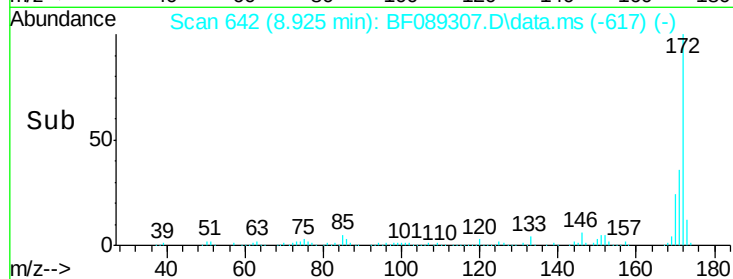
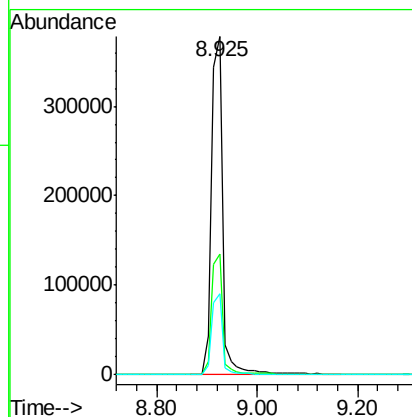
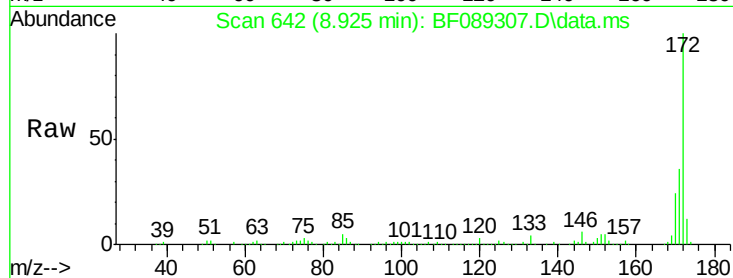




#44  
2-Fluorobiphenyl  
Concen: 93.71 ng  
RT: 8.925 min Scan# 64  
Delta R.T. -0.011 min  
Lab File: BF089307.D  
Acq: 26 Jul 2016 12:07

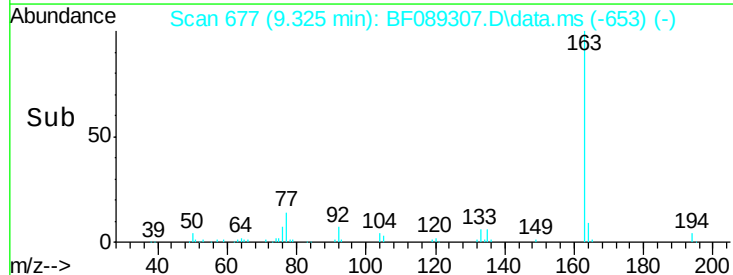
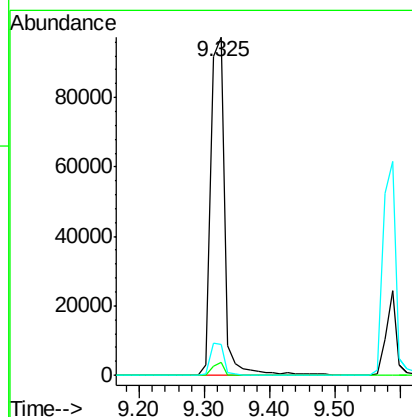
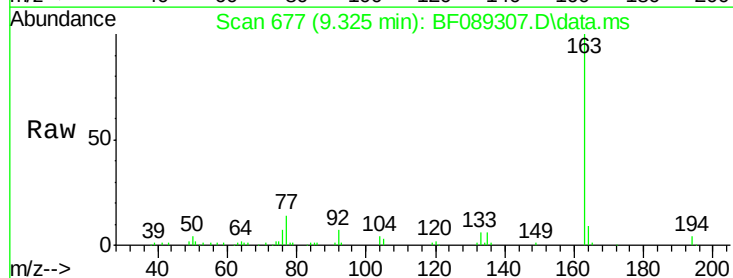
Instrument :  
BNA\_F  
ClientSampleId :  
SW-2

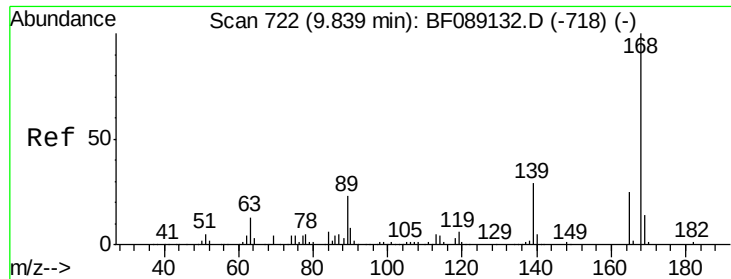
Tot Ion:172 Resp: 588033  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.2 43.8  
170 23.8 19.1 28.7



#49  
Dimethylphthalate  
Concen: 22.03 ng  
RT: 9.325 min Scan# 677  
Delta R.T. -0.023 min  
Lab File: BF089307.D  
Acq: 26 Jul 2016 12:07

Tgt Ion:163 Resp: 146174  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.9 4.3  
164 9.3 7.6 11.4

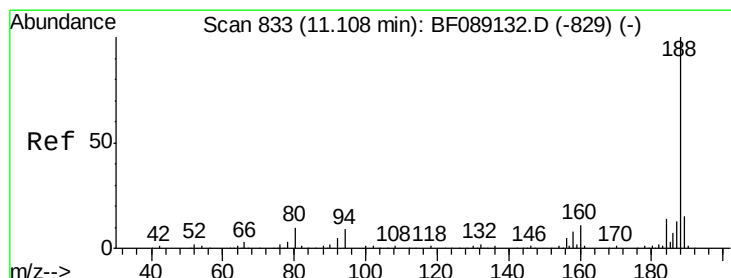
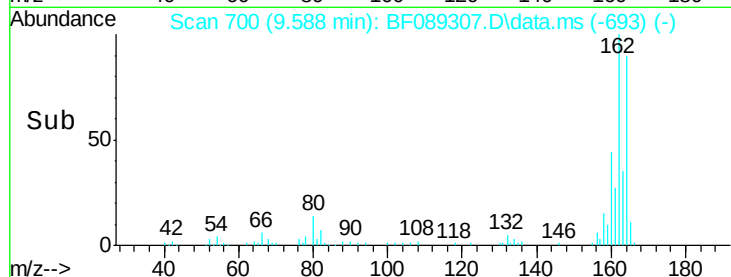
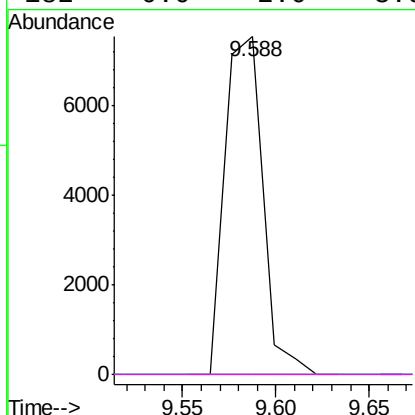
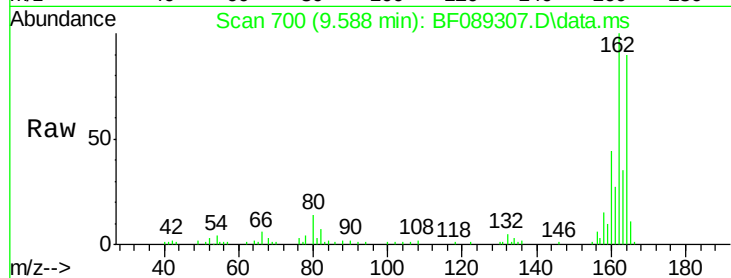




#56  
 2,4-Dinitrotoluene  
 Concen: 5.56 ng  
 RT: 9.588 min Scan# 70  
 Delta R.T. -0.217 min  
 Lab File: BF089307.D  
 Acq: 26 Jul 2016 12:07

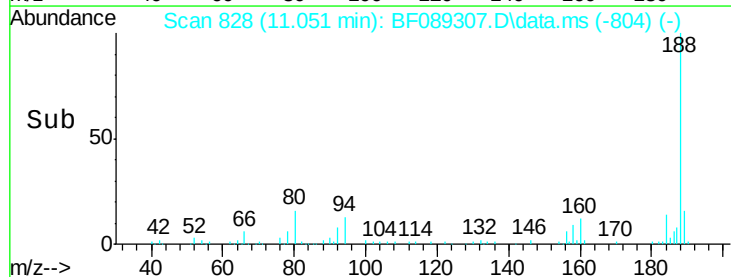
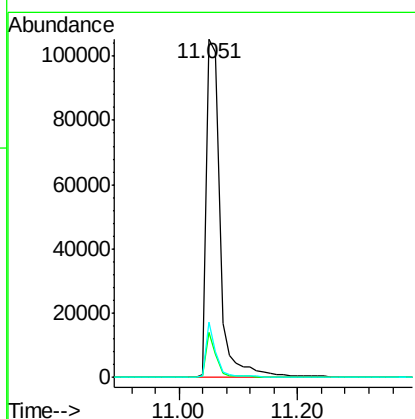
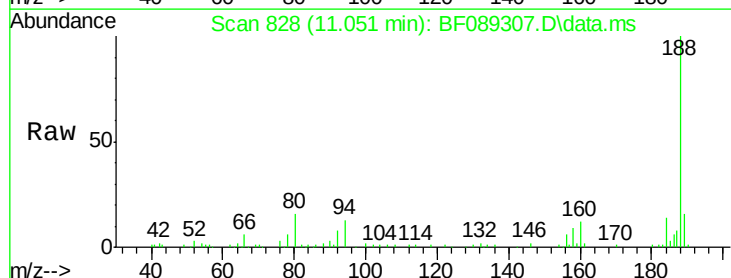
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-2

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 165     | 100   |       |        |
| 63      | 0.0   | 55.4  | 83.2#  |
| 89      | 0.0   | 74.3  | 111.5# |
| 182     | 0.0   | 2.0   | 3.0#   |

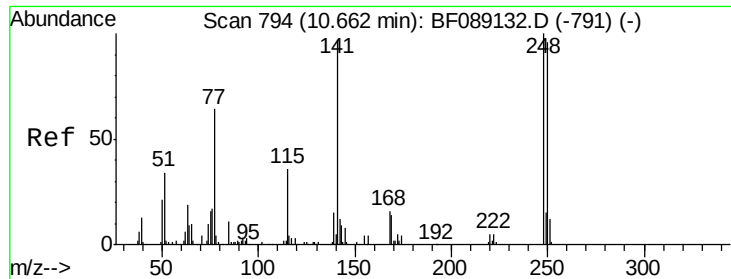


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.051 min Scan# 828  
 Delta R.T. -0.023 min  
 Lab File: BF089307.D  
 Acq: 26 Jul 2016 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 13.4  | 7.0   | 10.4# |
| 80      | 16.4  | 7.7   | 11.5# |







#66

4-Bromophenyl-phenylether

Concen: 5.00 ng

RT: 10.376 min Scan# 76

Delta R.T. -0.251 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Instrument :

BNA\_F

ClientSampleId :

SW-2

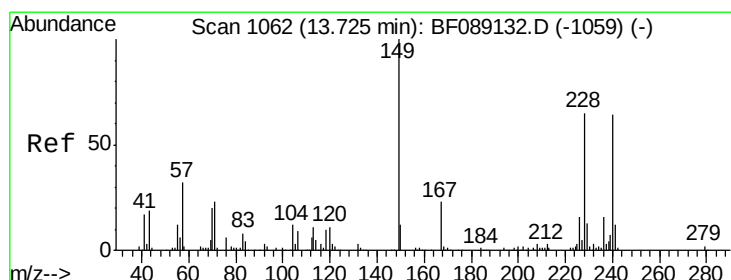
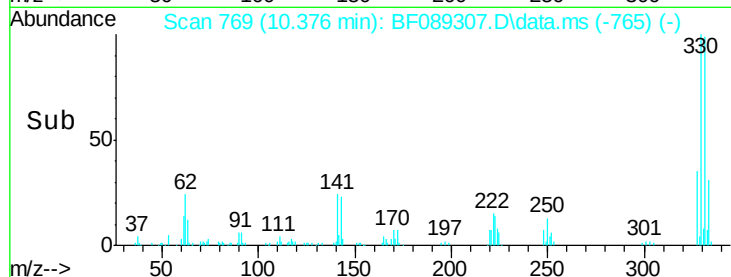
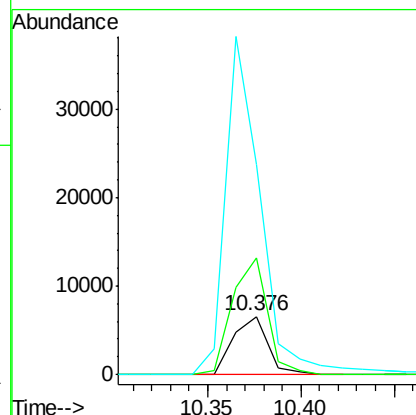
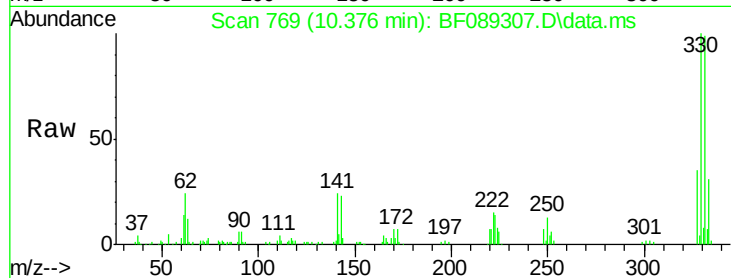
Tot Ion:248 Resp: 8540

Ion Ratio Lower Upper

248 100

250 201.2 76.9 115.3#

141 362.1 77.4 116.2#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.679 min Scan# 1058

Delta R.T. -0.011 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

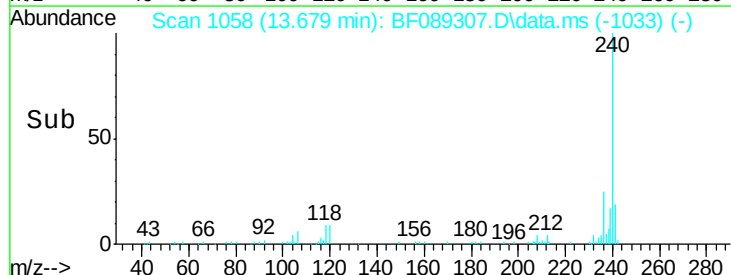
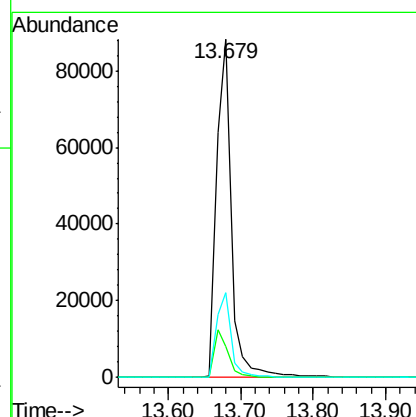
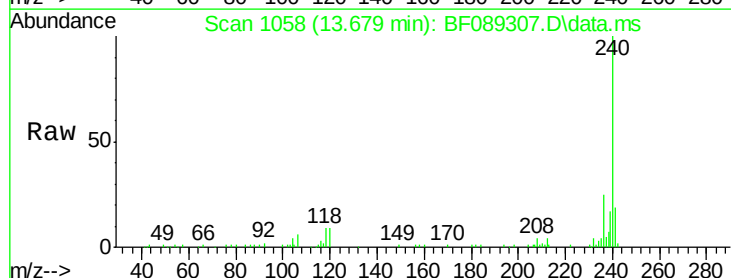
Tgt Ion:240 Resp: 125028

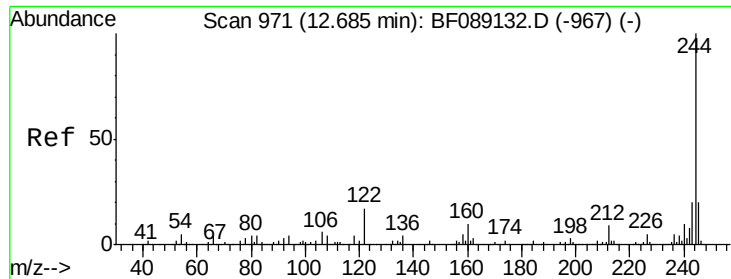
Ion Ratio Lower Upper

240 100

120 9.0 13.6 20.4#

236 25.1 20.5 30.7





#78

Terphenyl-d14

Concen: 83.18 ng

RT: 12.639 min Scan# 96

Delta R.T. -0.011 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Instrument :

BNA\_F

ClientSampleId :

SW-2

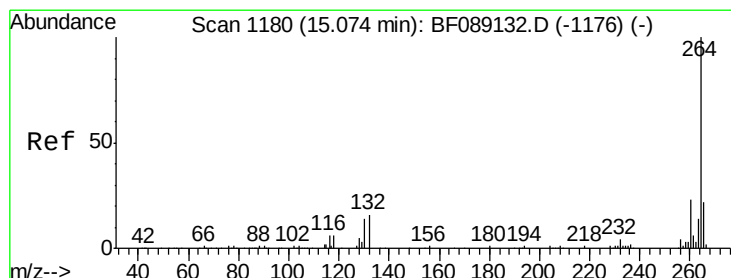
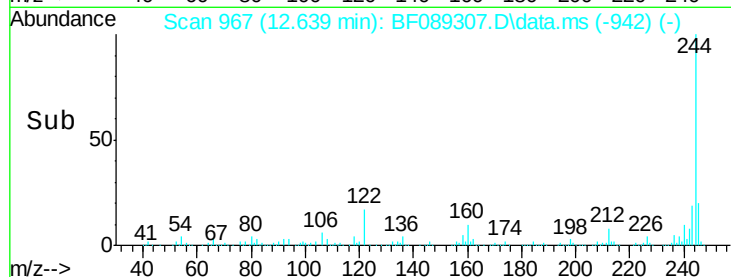
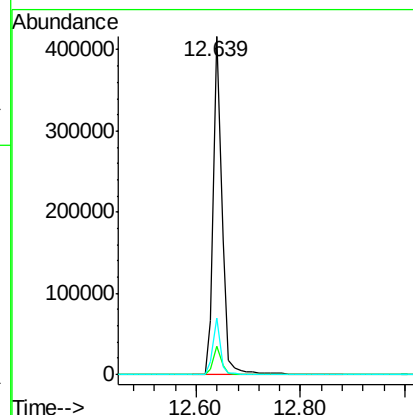
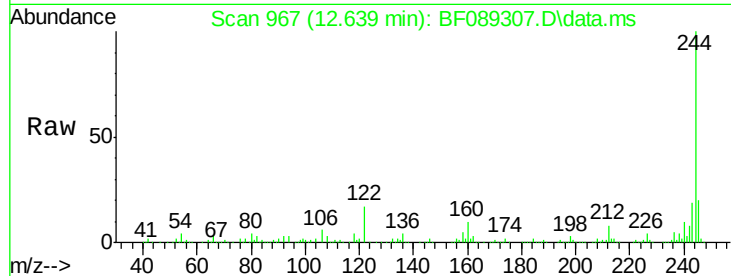
Tot Ion:244 Resp: 479461

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

122 16.7 13.8 20.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.017 min Scan# 1175

Delta R.T. -0.011 min

Lab File: BF089307.D

Acq: 26 Jul 2016 12:07

Tgt Ion:264 Resp: 83845

Ion Ratio Lower Upper

264 100

260 24.4 18.5 27.7

265 21.3 17.3 25.9

