

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080216\  
 Data File : BF089555.D  
 Acq On : 2 Aug 2016 19:11  
 Operator : UM/SJ  
 Sample : H4269-12  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-54-19.0-20.0

Quant Time: Aug 03 01:51:59 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 03 01:32:56 2016  
 Response via : Initial Calibration

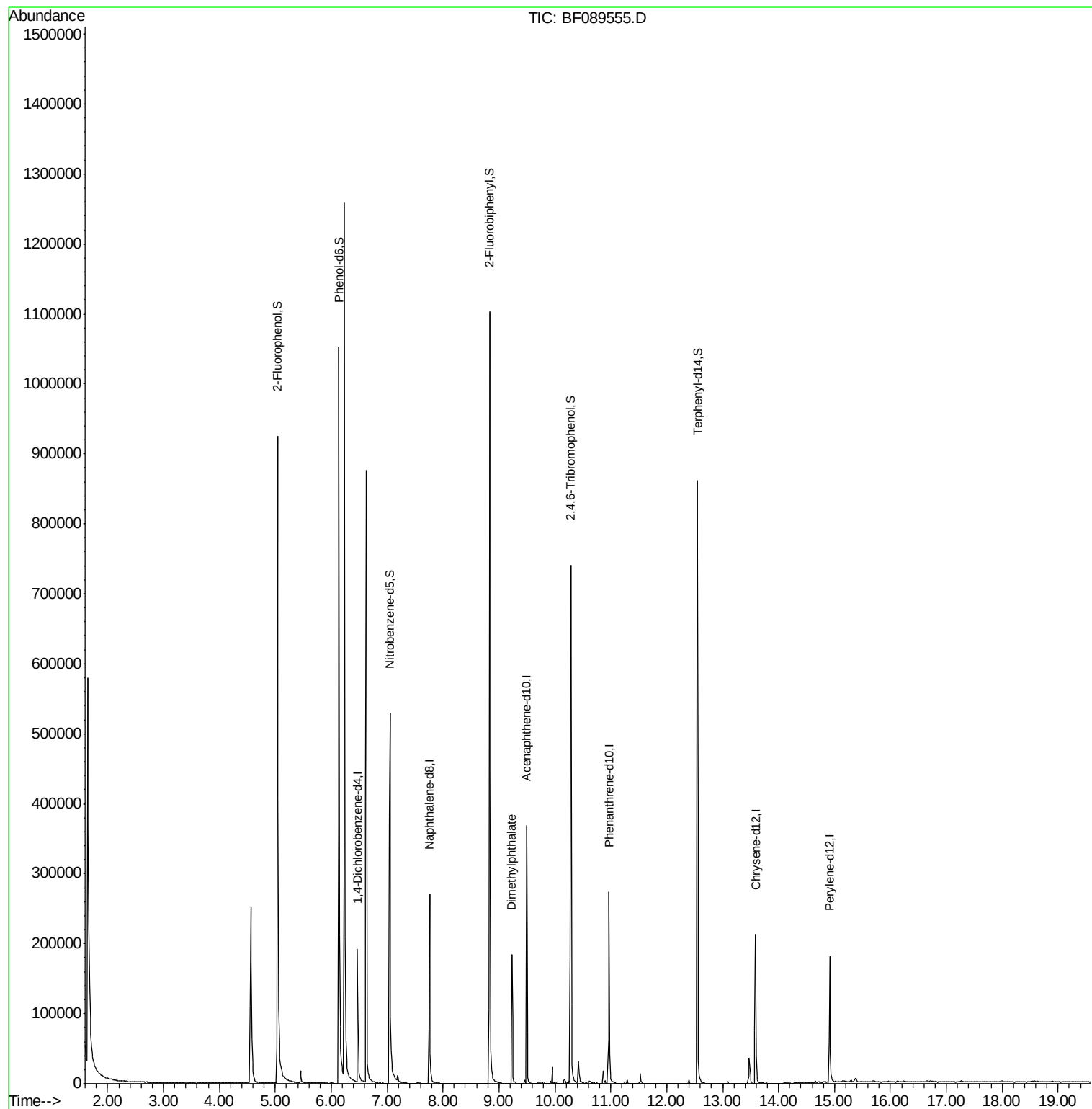
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.47  | 152  | 41902    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.76  | 136  | 159606   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.50  | 164  | 72777    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 10.97 | 188  | 122918   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.59 | 240  | 92515    | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 14.91 | 264  | 80275    | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.04  | 112  | 344227   | 131.17 | ng    | 0.01     |
| 7) Phenol-d6                | 6.14  | 99   | 479175   | 138.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.05  | 82   | 295292   | 109.21 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.28 | 330  | 78842    | 130.80 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.83  | 172  | 422106   | 85.12  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.55 | 244  | 308753   | 78.11  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.23  | 163  | 93914    | 16.96  | ng    | # 99     |

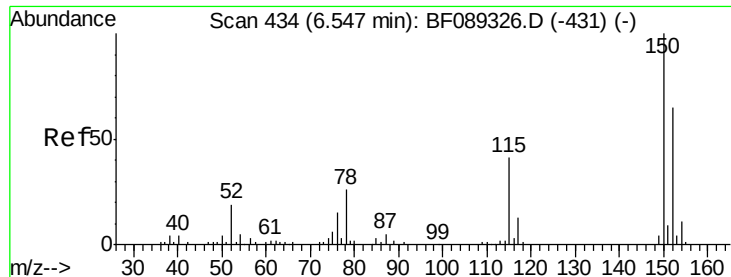
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

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SB-54-19.0-20.0

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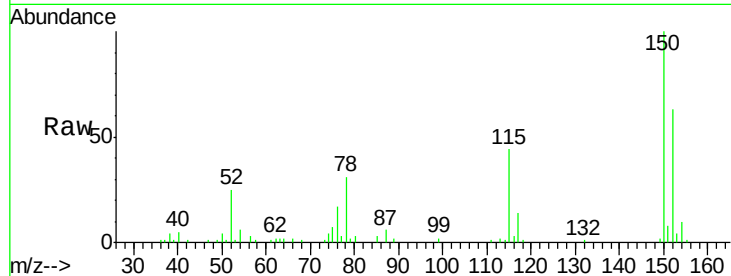


#1

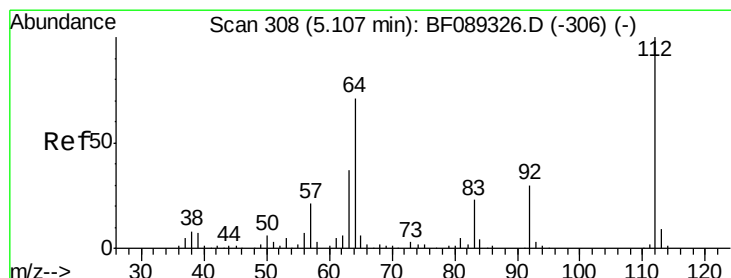
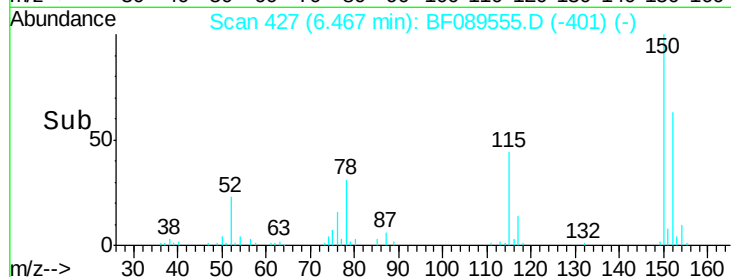
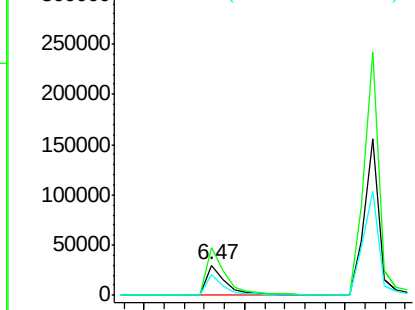
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.47 min Scan# 427  
Delta R.T. 0.00 min  
Lab File: BF089555.D  
Acq: 2 Aug 2016 19:11

Instrument :  
BNA\_F  
ClientSampleId :  
SB-54-19.0-20.0

Tot Ion:152 Resp: 41902  
Ion Ratio Lower Upper  
152 100  
150 158.9 129.5 194.3  
115 70.4 51.4 77.2



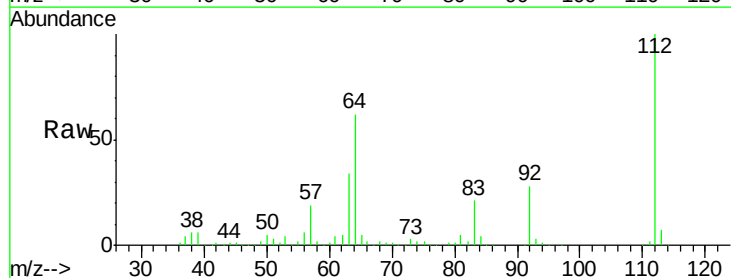
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



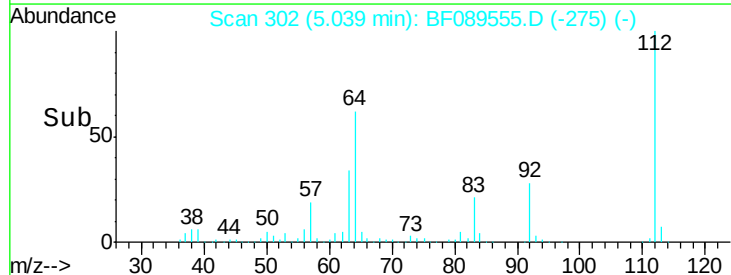
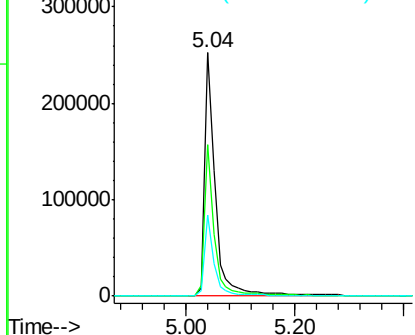
#5

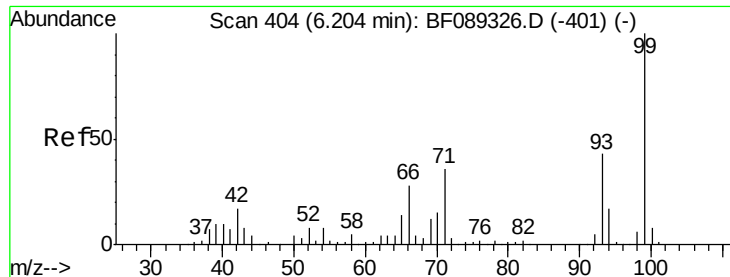
2-Fluorophenol  
Concen: 131.17 ng  
RT: 5.04 min Scan# 302  
Delta R.T. 0.01 min  
Lab File: BF089555.D  
Acq: 2 Aug 2016 19:11

Tgt Ion:112 Resp: 344227  
Ion Ratio Lower Upper  
112 100  
64 62.2 55.0 82.6  
63 33.5 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.17 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF089555.D

Acq: 2 Aug 2016 19:11

Instrument :

BNA\_F

ClientSampleId :

SB-54-19.0-20.0

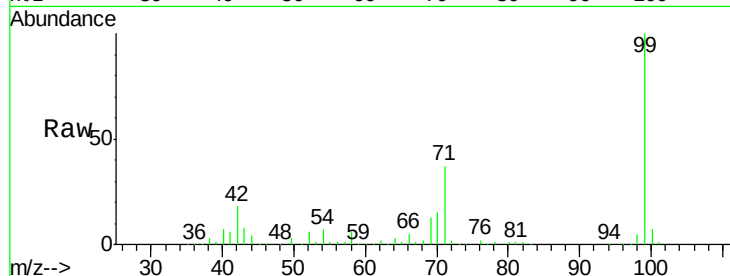
Tot Ion: 99 Resp: 479175

Ion Ratio Lower Upper

99 100

42 17.8 13.6 20.4

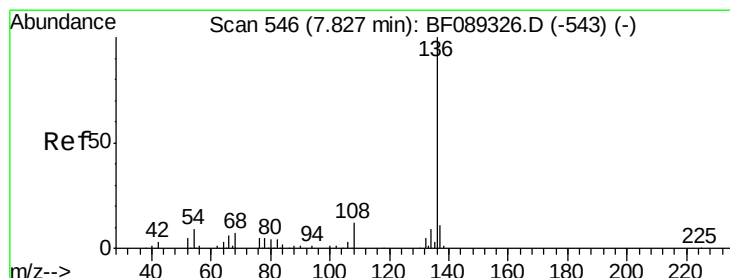
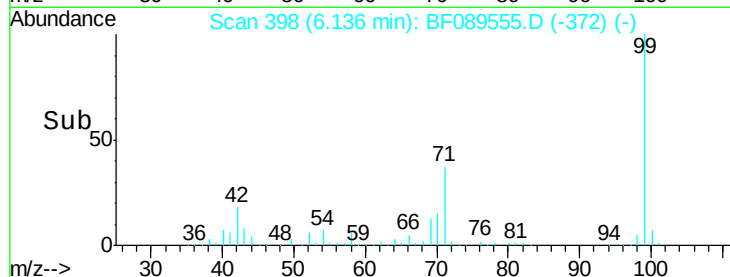
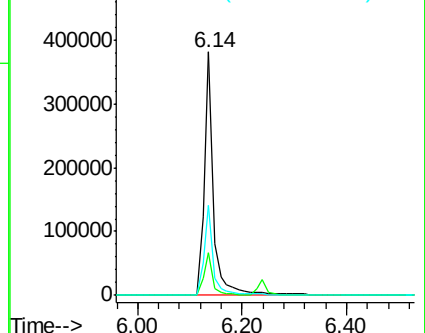
71 36.7 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.76 min Scan# 540

Delta R.T. 0.00 min

Lab File: BF089555.D

Acq: 2 Aug 2016 19:11

Tgt Ion: 136 Resp: 159606

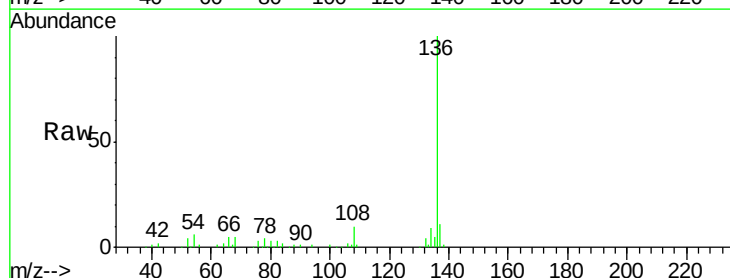
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 6.3 7.0 10.4#

68 4.8 4.9 7.3#

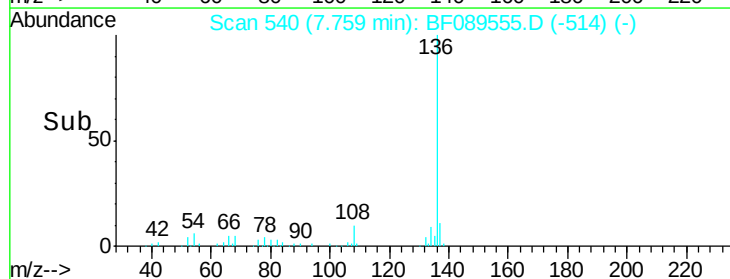
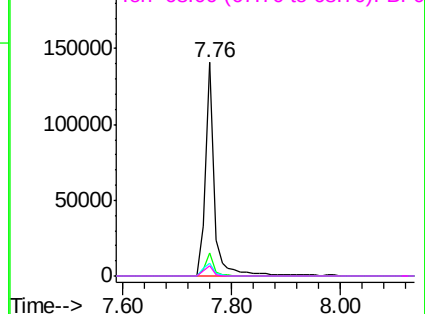


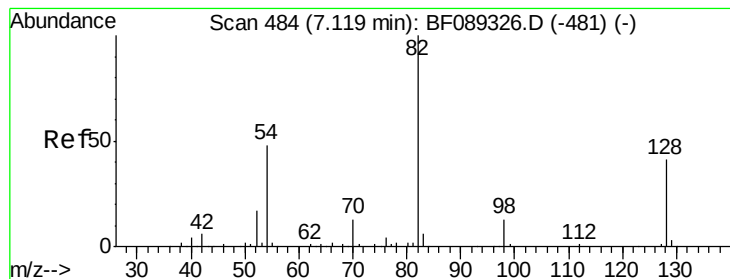
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 109.21 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.00 min

Lab File: BF089555.D

Acq: 2 Aug 2016 19:11

Instrument :

BNA\_F

ClientSampleId :

SB-54-19.0-20.0

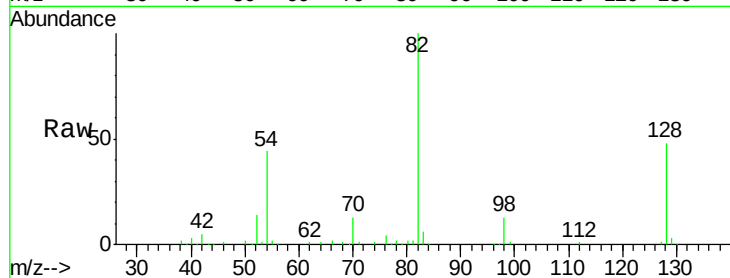
Tot Ion: 82 Resp: 295292

Ion Ratio Lower Upper

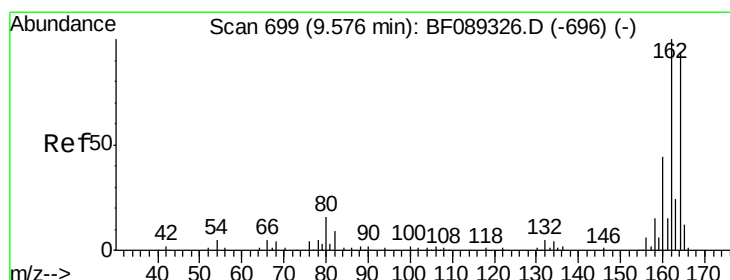
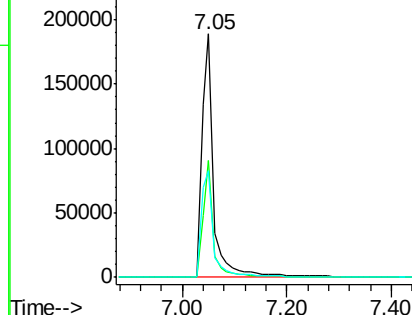
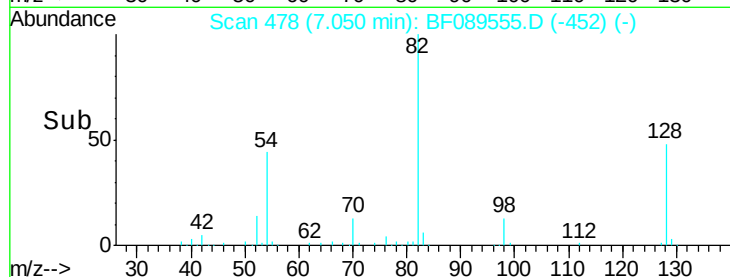
82 100

128 47.9 32.5 48.7

54 43.8 38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.50 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF089555.D

Acq: 2 Aug 2016 19:11

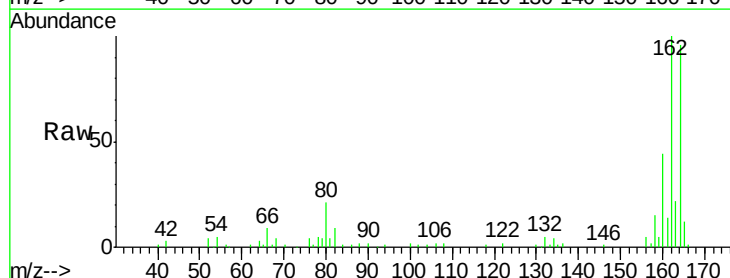
Tgt Ion: 164 Resp: 72777

Ion Ratio Lower Upper

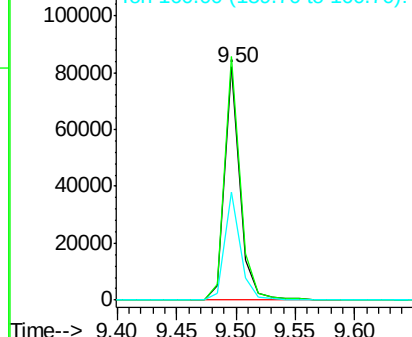
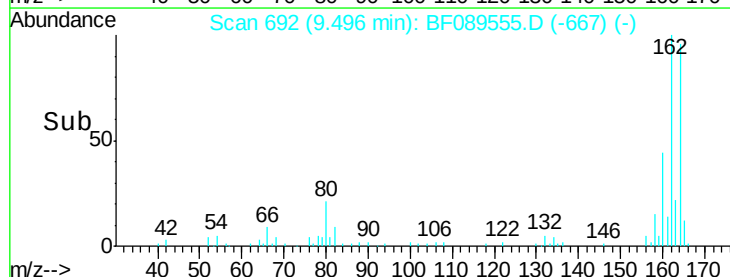
164 100

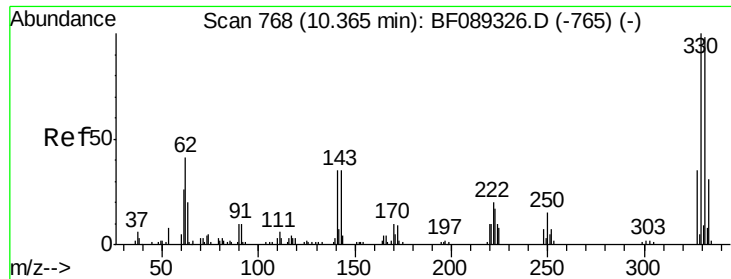
162 104.4 83.7 125.5

160 46.2 37.8 56.6



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

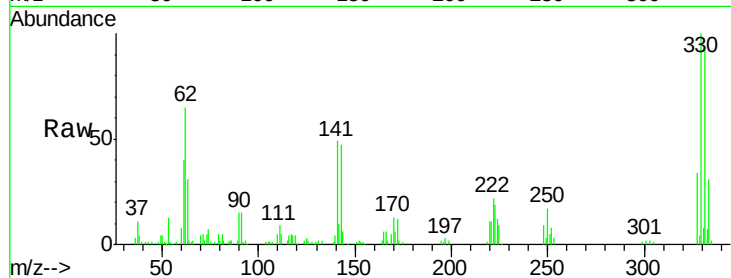




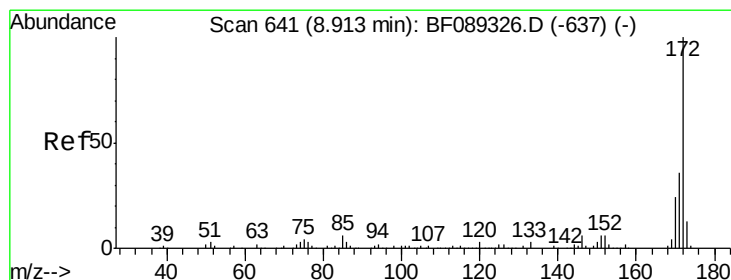
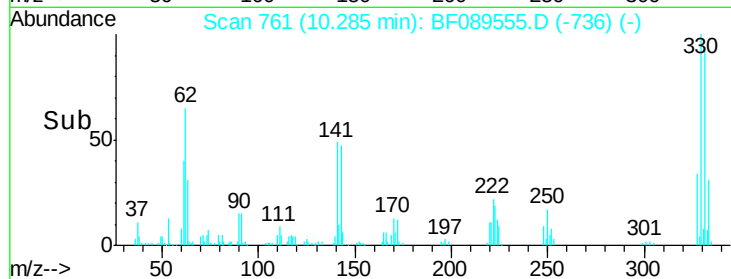
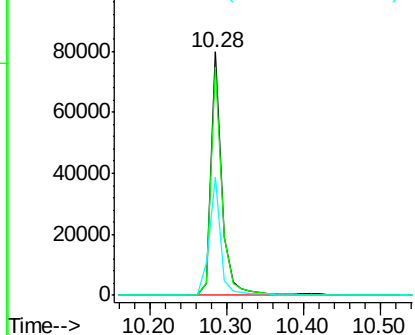
#41  
 2,4,6-Tribromophenol  
 Concen: 130.80 ng  
 RT: 10.28 min Scan# 761  
 Delta R.T. -0.01 min  
 Lab File: BF089555.D  
 Acq: 2 Aug 2016 19:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-54-19.0-20.0

Tot Ion:330 Resp: 78842  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 76.8 115.2  
 141 50.3 37.3 55.9

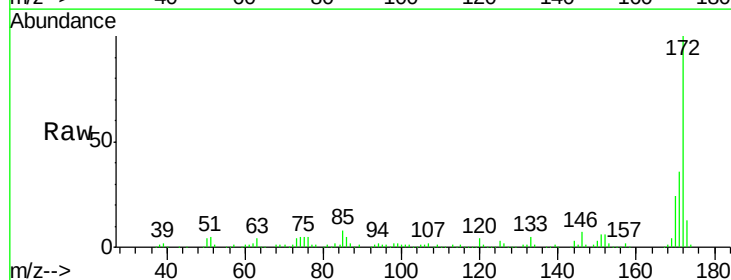


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

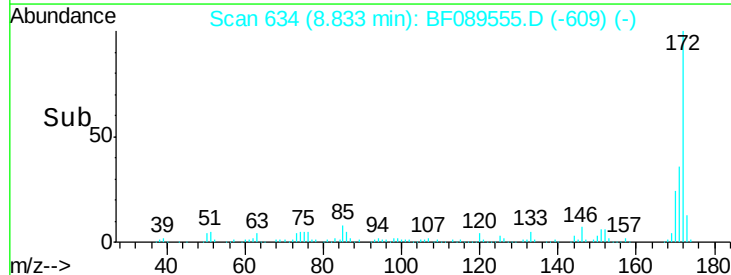
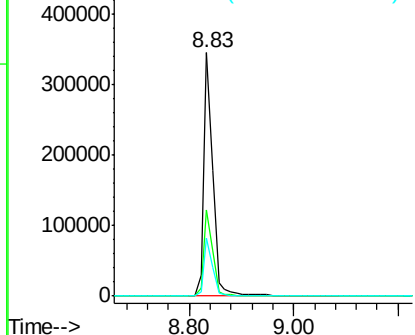


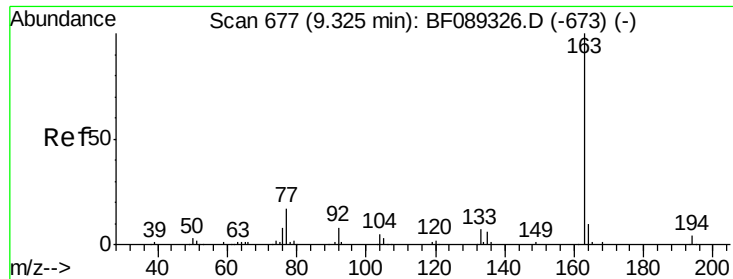
#44  
 2-Fluorobiphenyl  
 Concen: 85.12 ng  
 RT: 8.83 min Scan# 634  
 Delta R.T. -0.01 min  
 Lab File: BF089555.D  
 Acq: 2 Aug 2016 19:11

Tgt Ion:172 Resp: 422106  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.2 43.8  
 170 23.6 19.2 28.8



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

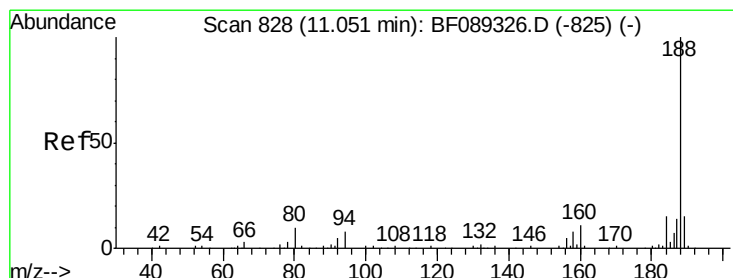
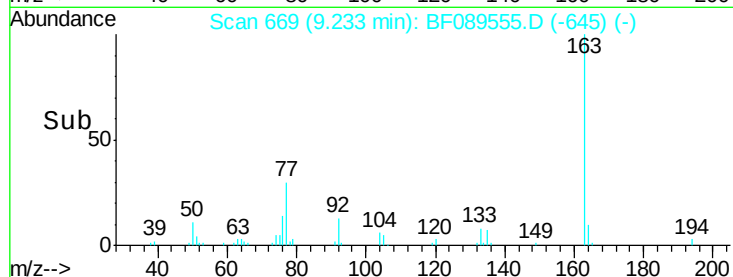
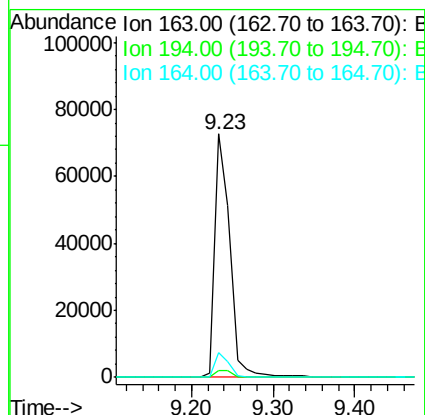
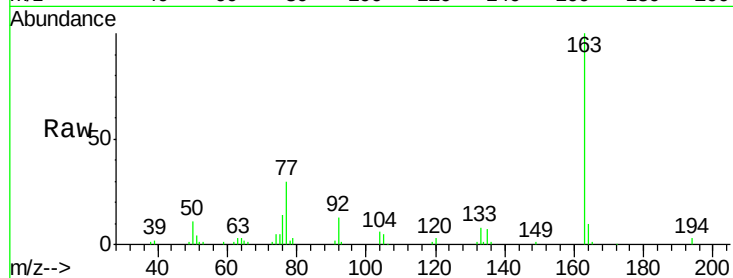




#49  
Dimethylphthalate  
Concen: 16.96 ng  
RT: 9.23 min Scan# 669  
Delta R.T. -0.02 min  
Lab File: BF089555.D  
Acq: 2 Aug 2016 19:11

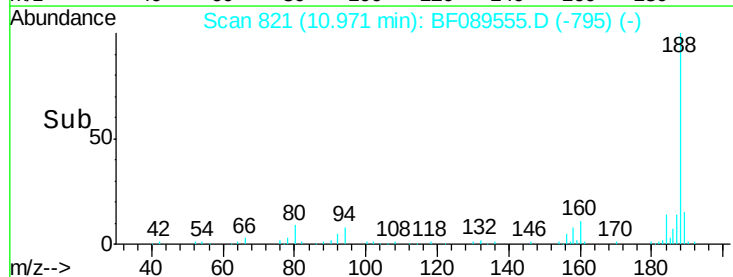
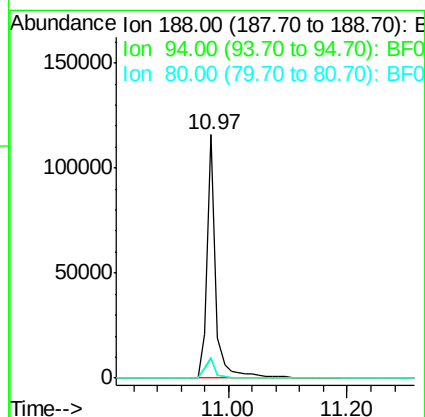
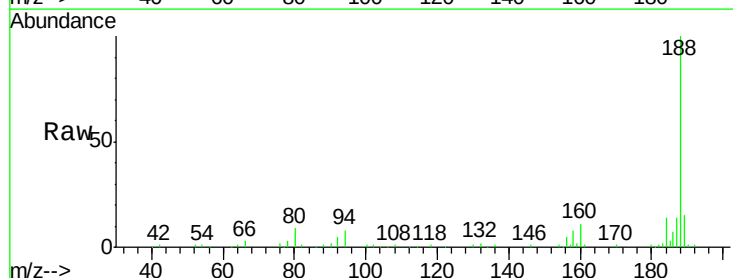
Instrument :  
BNA\_F  
ClientSampleId :  
SB-54-19.0-20.0

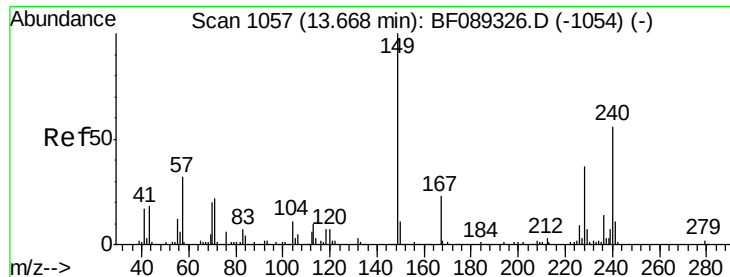
Tot Ion:163 Resp: 93914  
Ion Ratio Lower Upper  
163 100  
194 2.7 2.8 4.2#  
164 10.0 7.8 11.8



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 10.97 min Scan# 821  
Delta R.T. 0.00 min  
Lab File: BF089555.D  
Acq: 2 Aug 2016 19:11

Tgt Ion:188 Resp: 122918  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.5 9.7  
80 8.7 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF089555.D

Acq: 2 Aug 2016 19:11

Instrument :

BNA\_F

ClientSampleId :

SB-54-19.0-20.0

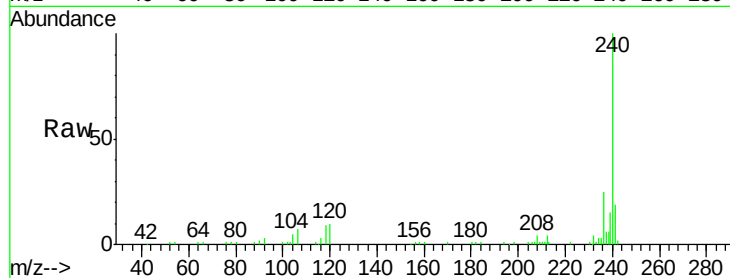
Tot Ion:240 Resp: 92515

Ion Ratio Lower Upper

240 100

120 9.8 9.1 13.7

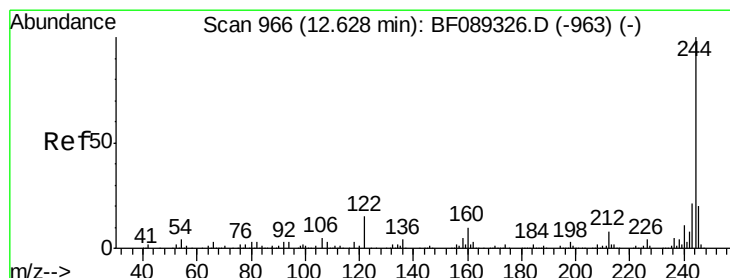
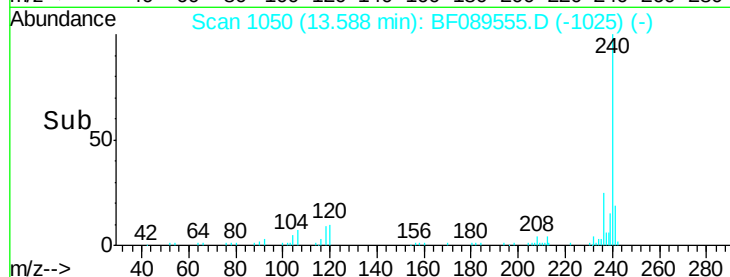
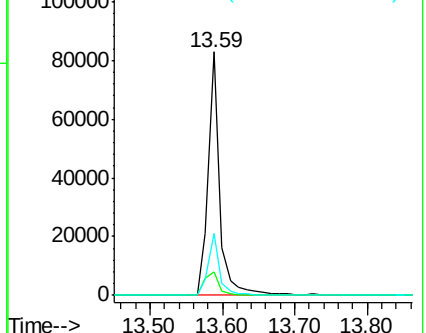
236 25.2 20.6 30.8



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



#78

Terphenyl-d14

Concen: 78.11 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF089555.D

Acq: 2 Aug 2016 19:11

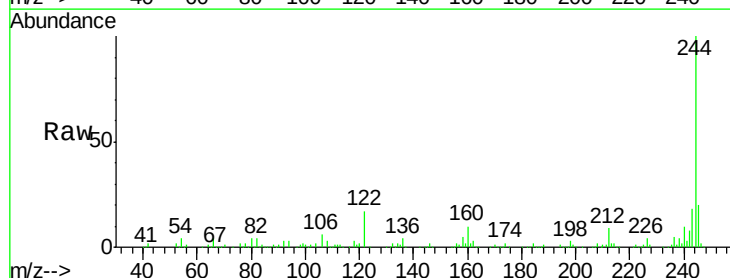
Tgt Ion:244 Resp: 308753

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

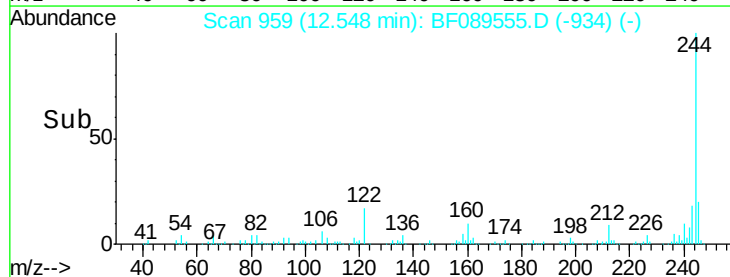
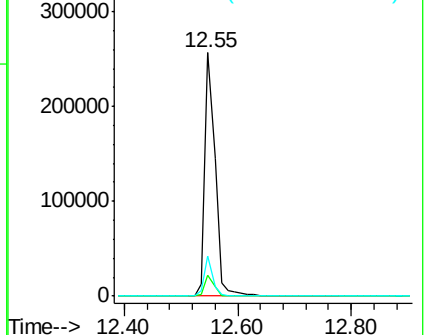
122 16.5 11.4 17.0



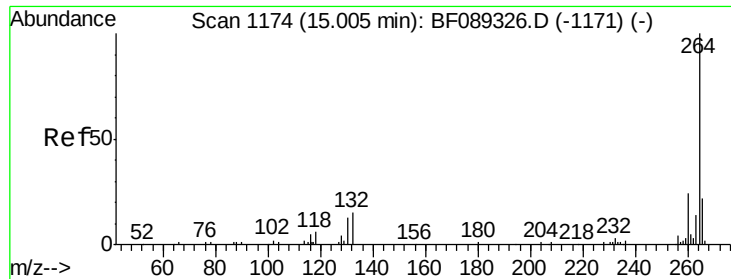
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 14.91 min Scan# 1166  
 Delta R.T. -0.01 min  
 Lab File: BF089555.D  
 Acq: 2 Aug 2016 19:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-54-19.0-20.0

Tot Ion:264 Resp: 80275  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.0 28.4  
 265 21.1 17.5 26.3

