

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
 Data File : BF087548.D  
 Acq On : 30 May 2016 13:37  
 Operator : UM/SJ  
 Sample : H3317-02  
 Misc :  
 ALS Vial : 68 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

Quant Time: May 31 00:39:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF052316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 25 16:26:52 2016  
 Response via : Initial Calibration

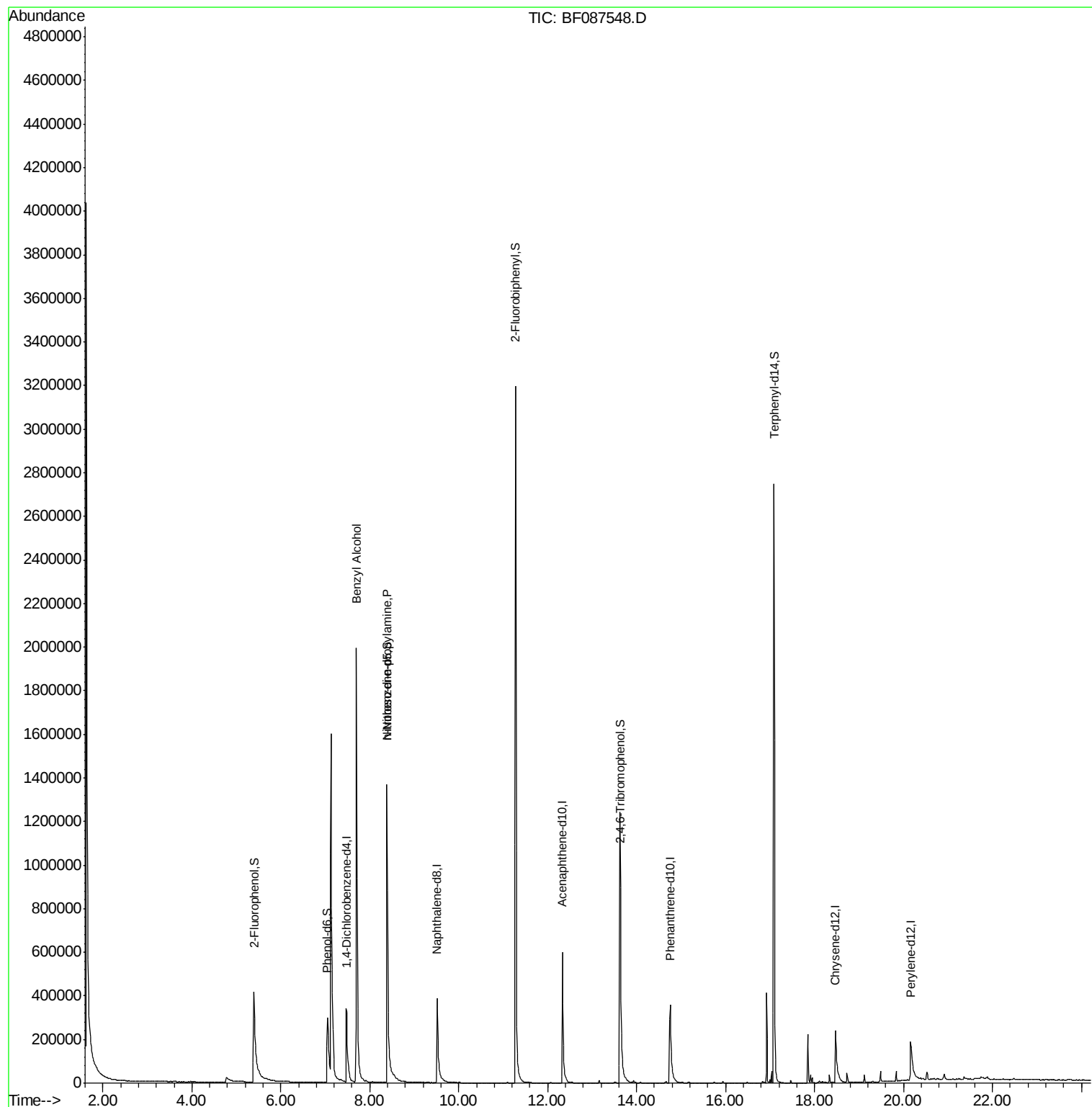
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.48  | 152  | 110566   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 9.51  | 136  | 457171   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 12.33 | 164  | 208643   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10           | 14.75 | 188  | 375316   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 18.47 | 240  | 261104   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 20.16 | 264  | 205464   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 338458   | 53.79  | ng    | -0.02    |
| 7) Phenol-d6                   | 7.05  | 99   | 265908   | 31.27  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 8.39  | 82   | 792665   | 87.38  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol       | 13.63 | 330  | 243112   | 121.25 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 11.28 | 172  | 1322383  | 89.35  | ng    | -0.06    |
| 78) Terphenyl-d14              | 17.09 | 244  | 1109278  | 90.32  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 7.70  | 79   | 13858    | 2.24   | ng    | # 45     |
| 19) n-Nitroso-di-n-propylamine | 8.39  | 70   | 96658    | 15.24  | ng    | # 70     |

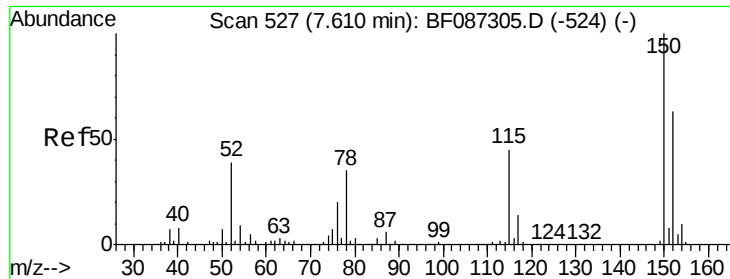
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052916\  
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Misc :  
ALS Vial : 68 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087548.D

Acq: 30 May 2016 13:37

Instrument :

BNA\_F

ClientSampleId :

MW-21

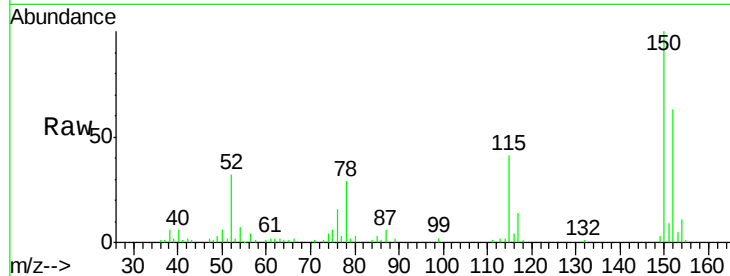
Tgt Ion:152 Resp: 110566

Ion Ratio Lower Upper

152 100

150 159.1 125.8 188.6

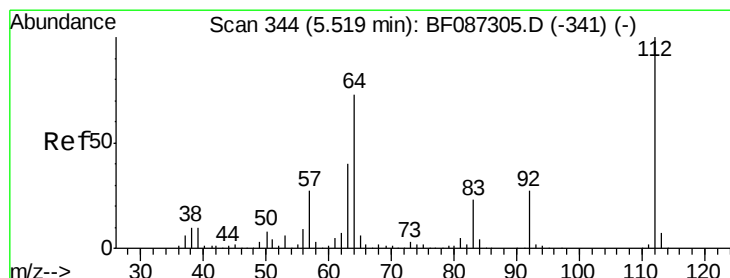
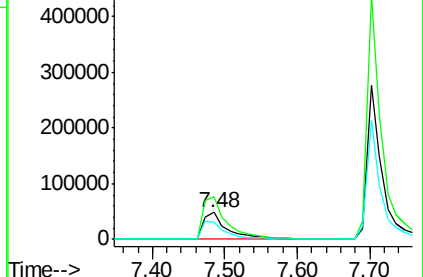
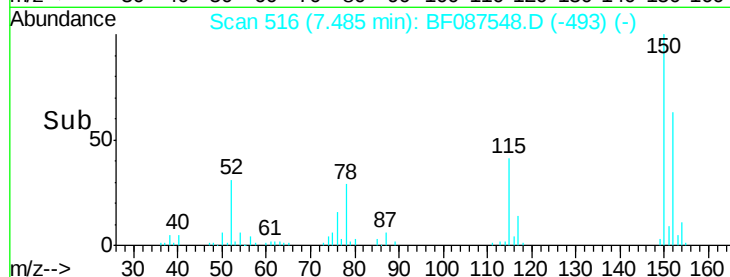
115 65.3 51.5 77.3



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: 53.79 ng

RT: 5.39 min Scan# 333

Delta R.T. -0.02 min

Lab File: BF087548.D

Acq: 30 May 2016 13:37

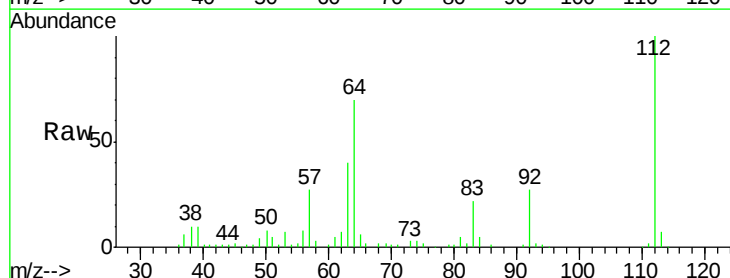
Tgt Ion:112 Resp: 338458

Ion Ratio Lower Upper

112 100

64 70.3 52.1 78.1

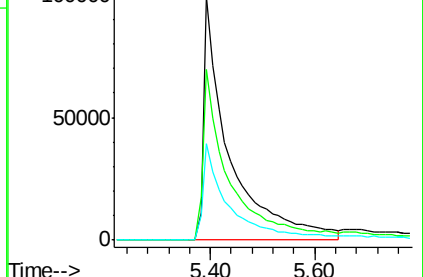
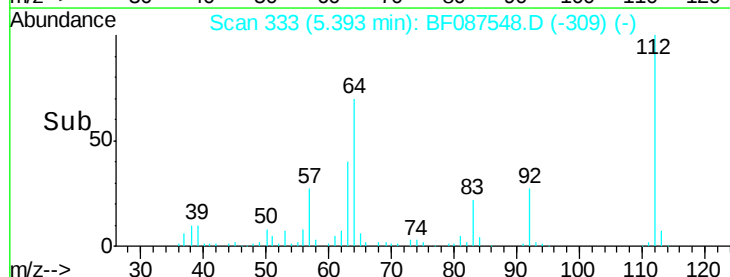
63 39.9 25.7 38.5#

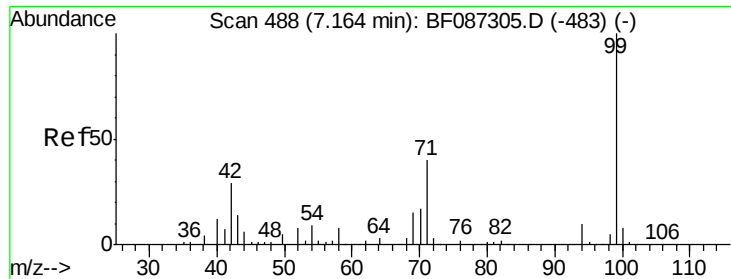


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.27 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BF087548.D

Acq: 30 May 2016 13:37

Instrument :

BNA\_F

ClientSampled :

MW-21

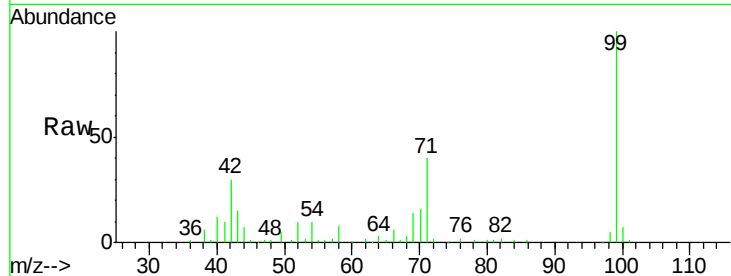
Tgt Ion: 99 Resp: 265908

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

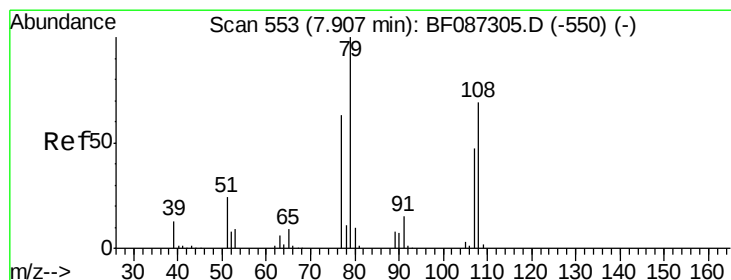
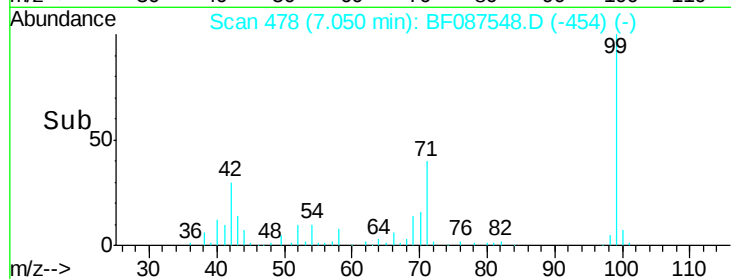
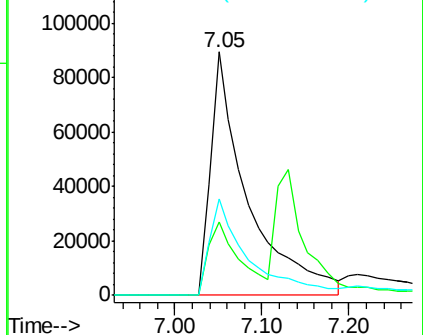
71 39.8 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 7.70 min Scan# 535

Delta R.T. -0.11 min

Lab File: BF087548.D

Acq: 30 May 2016 13:37

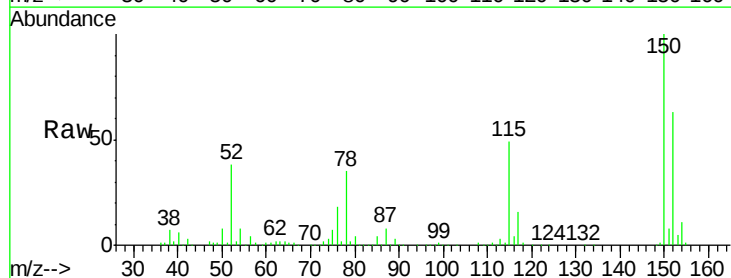
Tgt Ion: 79 Resp: 13858

Ion Ratio Lower Upper

79 100

108 30.7 68.4 102.6#

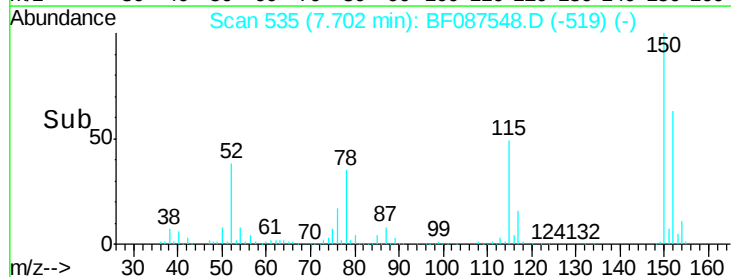
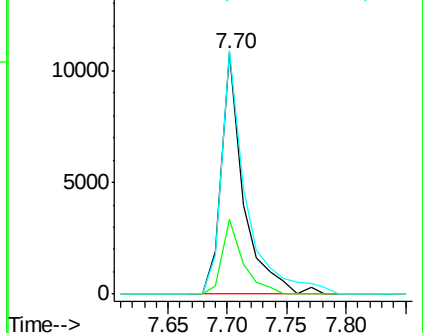
77 101.0 50.6 76.0#

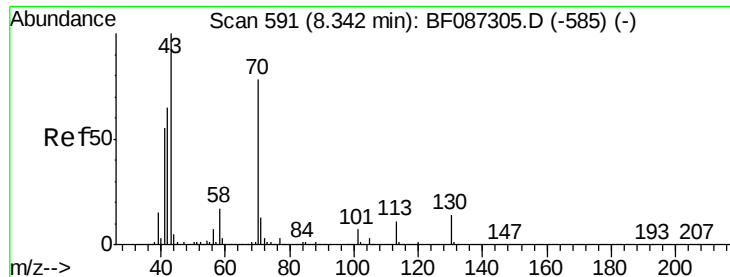


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

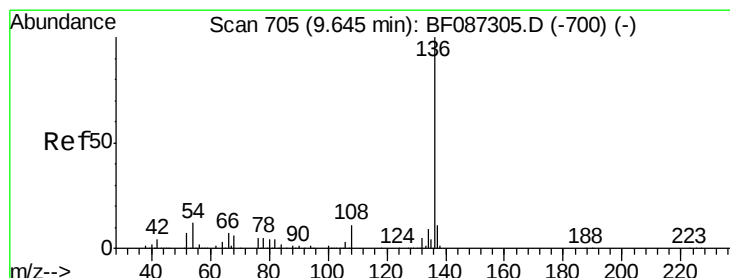
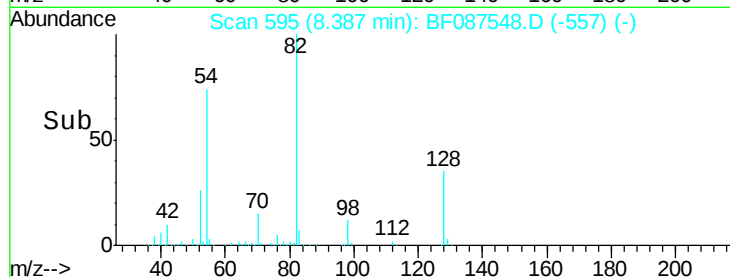
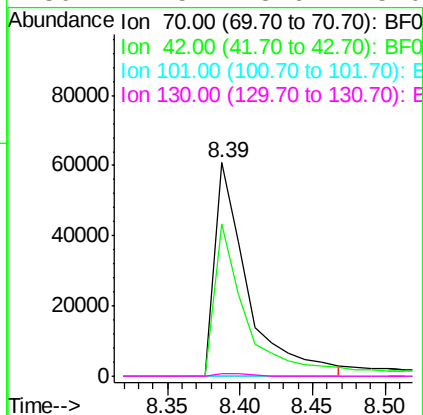
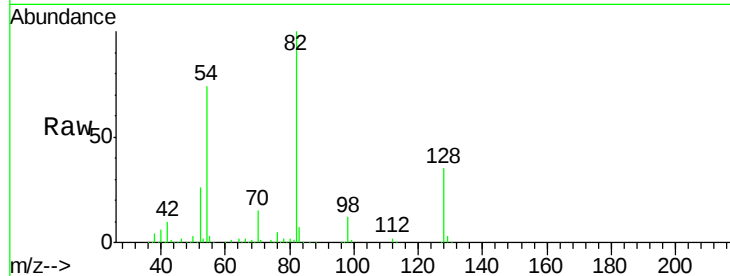




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.24 ng  
RT: 8.39 min Scan# 595  
Delta R.T. 0.14 min  
Lab File: BF087548.D  
Acq: 30 May 2016 13:37

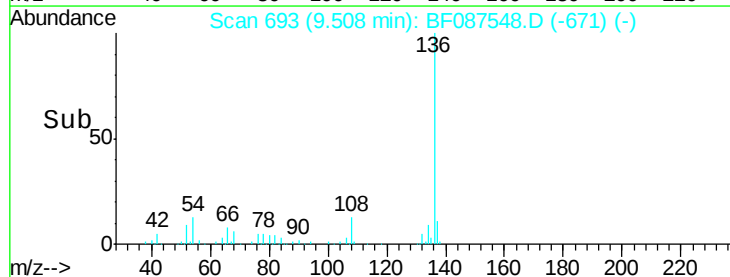
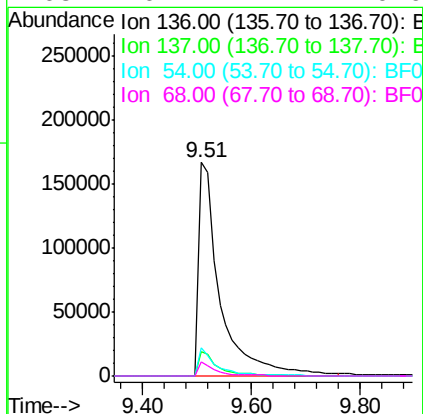
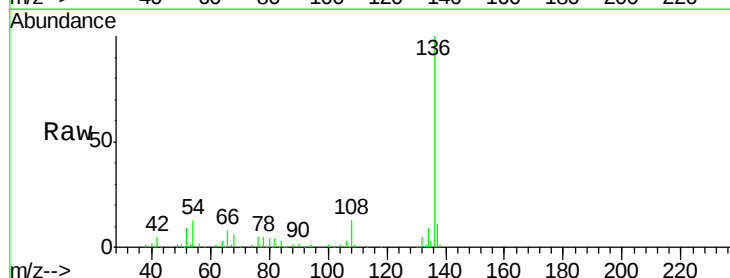
Instrument :  
BNA\_F  
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MW-21

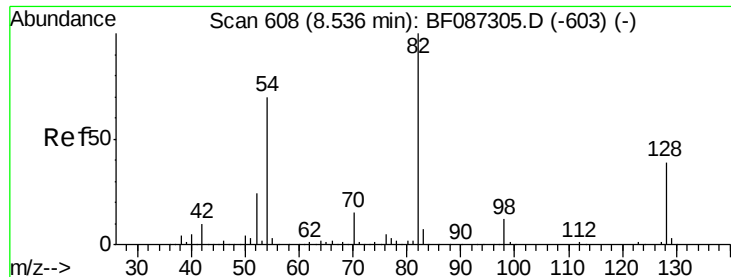
Tgt Ion: 70 Resp: 96658  
Ion Ratio Lower Upper  
70 100  
42 71.1 43.1 64.7#  
101 0.0 8.1 12.1#  
130 1.5 18.6 28.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 9.51 min Scan# 693  
Delta R.T. -0.05 min  
Lab File: BF087548.D  
Acq: 30 May 2016 13:37

Tgt Ion: 136 Resp: 457171  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 13.2 5.0 7.4#  
68 6.4 4.4 6.6

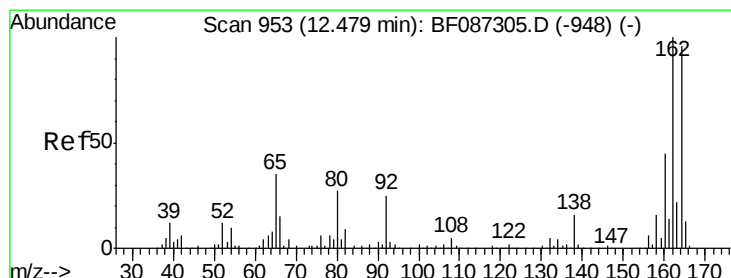
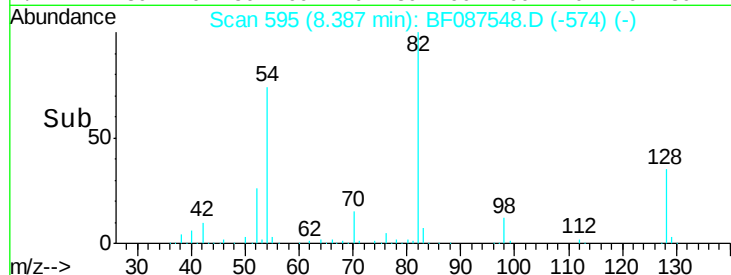
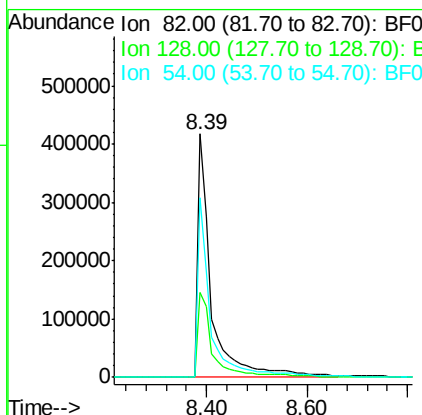
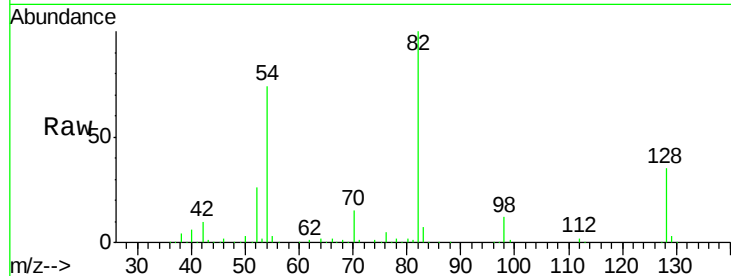




#23  
 Nitrobenzene-d5  
 Concen: 87.38 ng  
 RT: 8.39 min Scan# 595  
 Delta R.T. -0.06 min  
 Lab File: BF087548.D  
 Acq: 30 May 2016 13:37

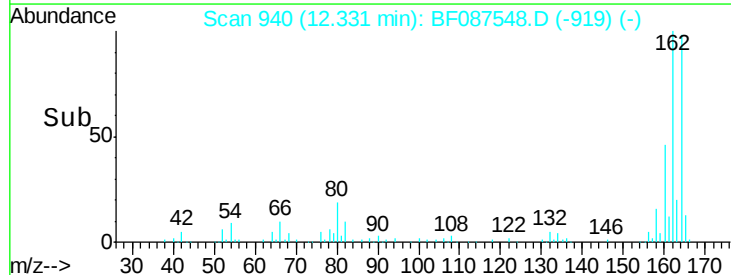
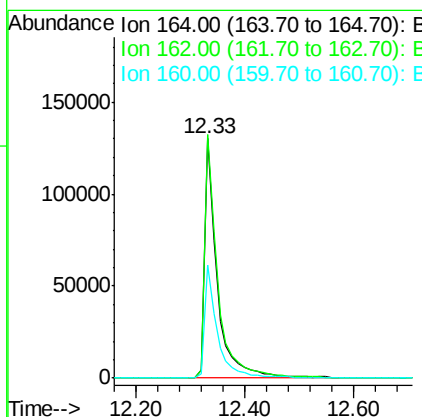
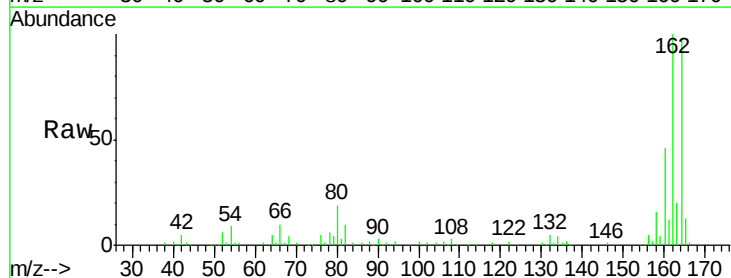
Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-21

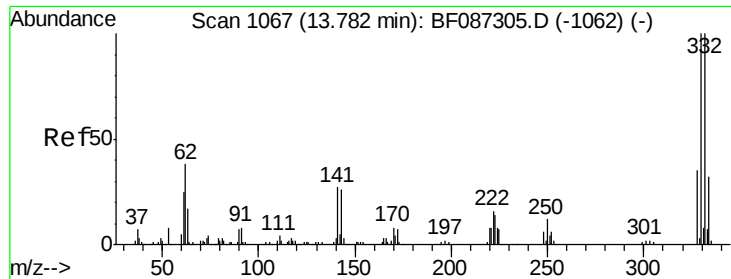
Tgt Ion: 82 Resp: 792665  
 Ion Ratio Lower Upper  
 82 100  
 128 34.6 40.6 61.0#  
 54 73.7 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 12.33 min Scan# 940  
 Delta R.T. -0.06 min  
 Lab File: BF087548.D  
 Acq: 30 May 2016 13:37

Tgt Ion: 164 Resp: 208643  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 82.8 124.2  
 160 47.2 36.9 55.3

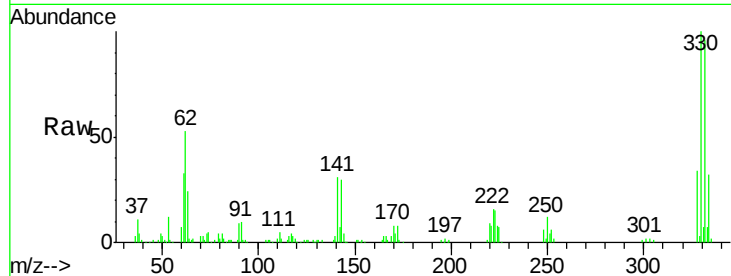




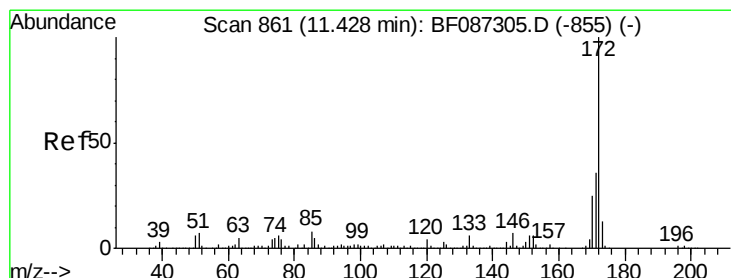
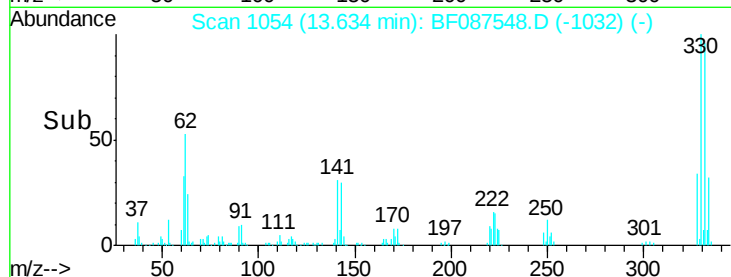
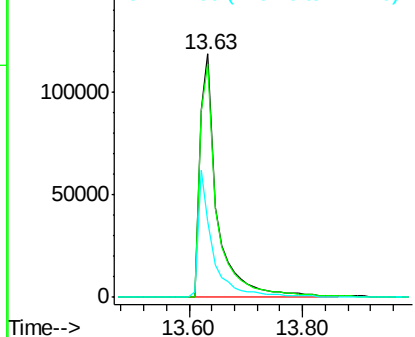
#41  
 2,4,6-Tribromophenol  
 Concen: 121.25 ng  
 RT: 13.63 min Scan# 1054  
 Delta R.T. -0.05 min  
 Lab File: BF087548.D  
 Acq: 30 May 2016 13:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-21

Tgt Ion:330 Resp: 243112  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 79.0 118.4  
 141 45.2 31.2 46.8

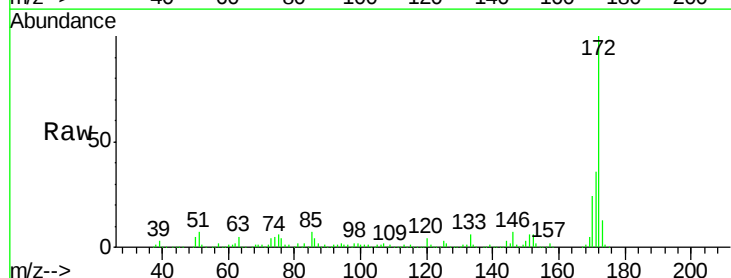


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

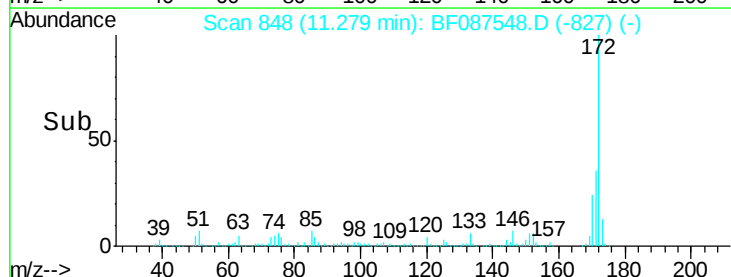
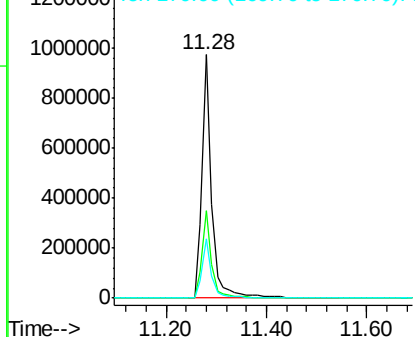


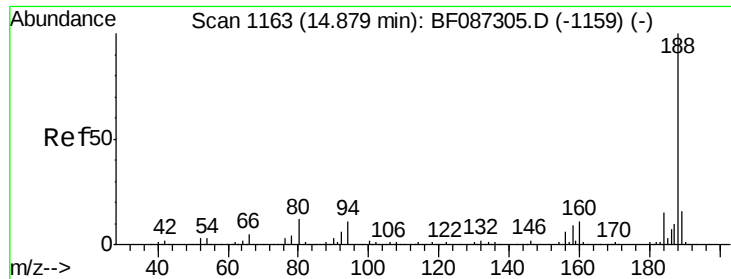
#44  
 2-Fluorobiphenyl  
 Concen: 89.35 ng  
 RT: 11.28 min Scan# 848  
 Delta R.T. -0.06 min  
 Lab File: BF087548.D  
 Acq: 30 May 2016 13:37

Tgt Ion:172 Resp: 1322383  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.0 43.6  
 170 24.3 19.8 29.8



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

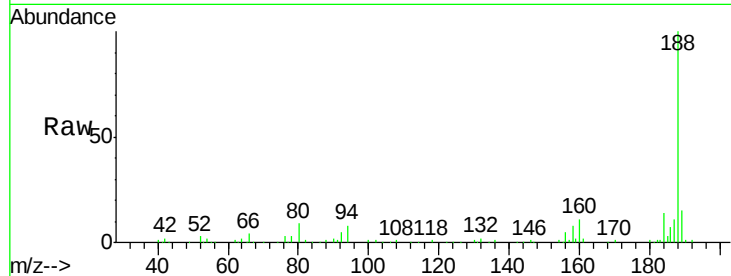




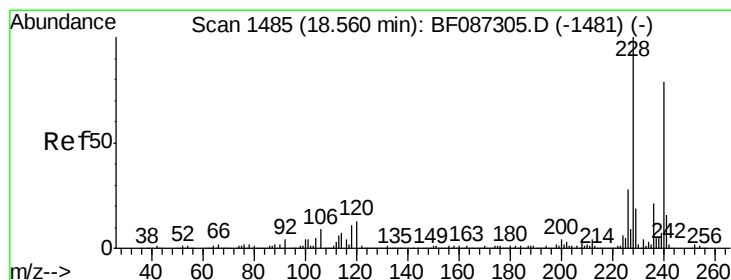
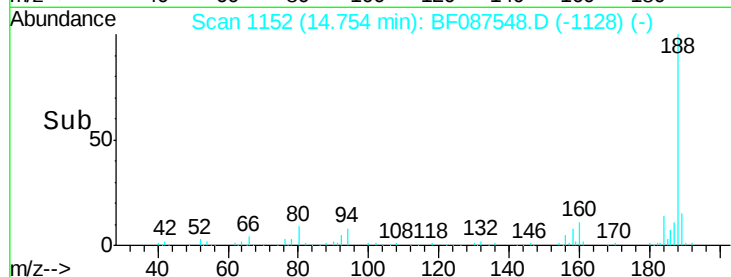
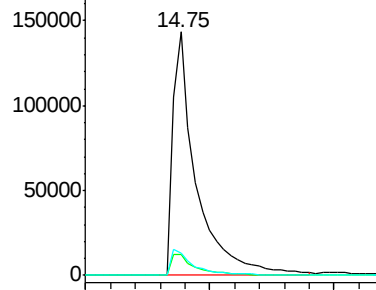
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 1152  
Delta R.T. -0.02 min  
Lab File: BF087548.D  
Acq: 30 May 2016 13:37

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BNA\_F  
ClientSampleId :  
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Tgt Ion:188 Resp: 375316  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.8 10.2  
80 9.3 7.1 10.7

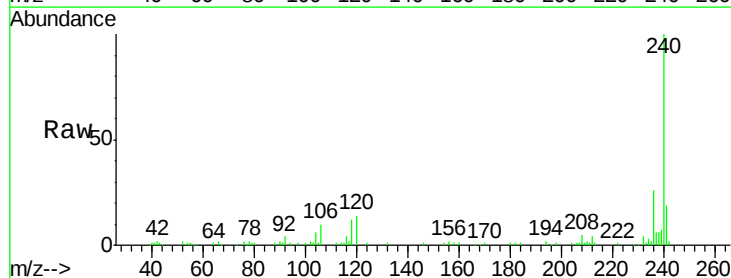


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

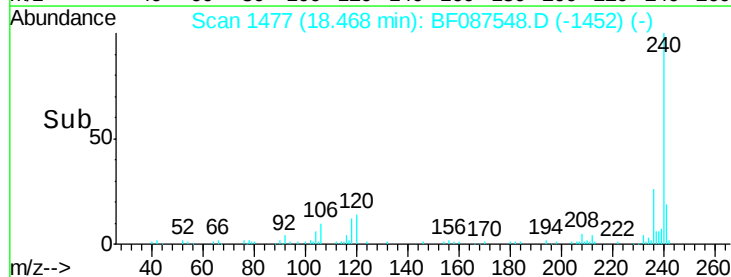
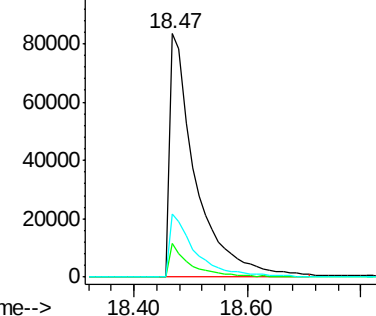


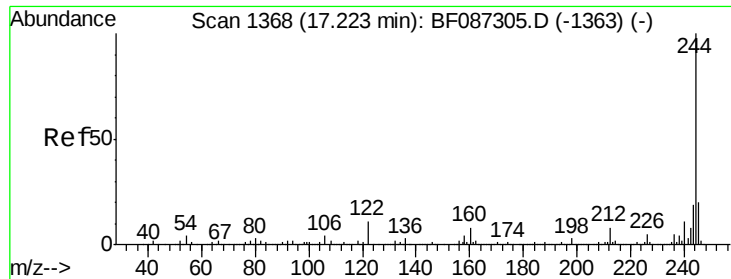
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 18.47 min Scan# 1477  
Delta R.T. -0.01 min  
Lab File: BF087548.D  
Acq: 30 May 2016 13:37

Tgt Ion:240 Resp: 261104  
Ion Ratio Lower Upper  
240 100  
120 13.8 11.2 16.8  
236 25.8 21.2 31.8



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: 90.32 ng

RT: 17.09 min Scan# 1356

Delta R.T. -0.05 min

Lab File: BF087548.D

Acq: 30 May 2016 13:37

Instrument :

BNA\_F

ClientSampled :

MW-21

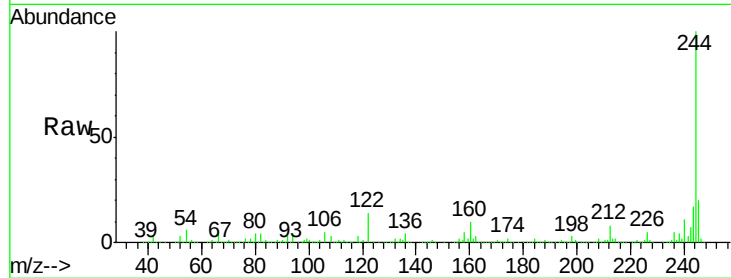
Tgt Ion:244 Resp: 1109278

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

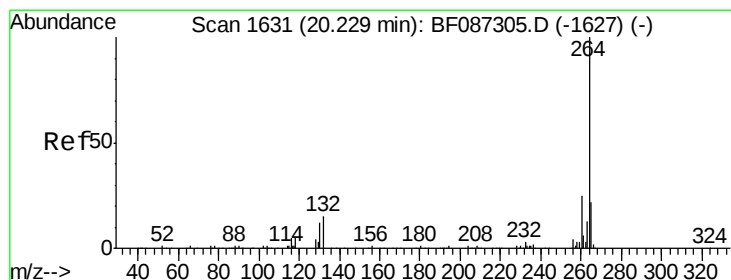
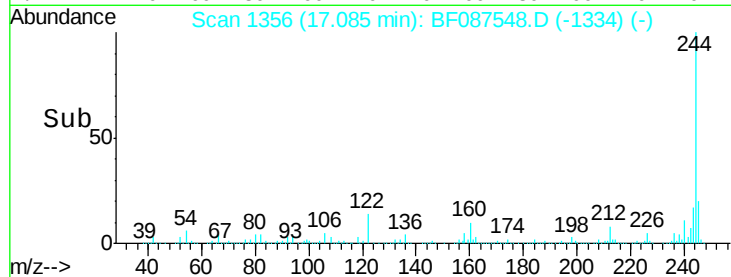
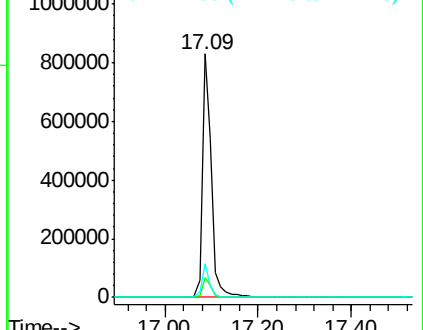
122 13.9 12.0 18.0



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

Perylene-d12

Concen: 20.00 ng

RT: 20.16 min Scan# 1625

Delta R.T. 0.02 min

Lab File: BF087548.D

Acq: 30 May 2016 13:37

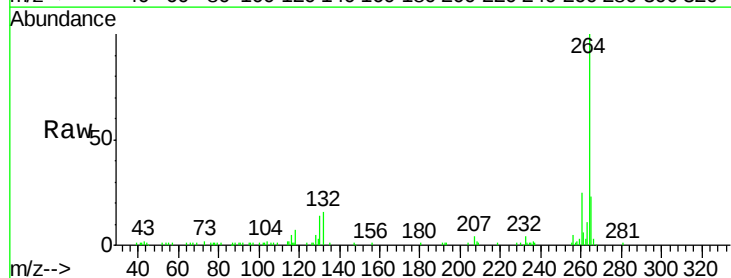
Tgt Ion:264 Resp: 205464

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 22.8 17.3 25.9



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

