

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\  
 Data File : BF101932.D  
 Acq On : 5 Jan 2018 16:21  
 Operator : SJ/JU  
 Sample : J1032-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWS-3

Quant Time: Jan 05 16:52:30 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 13:21:45 2017  
 Response via : Initial Calibration

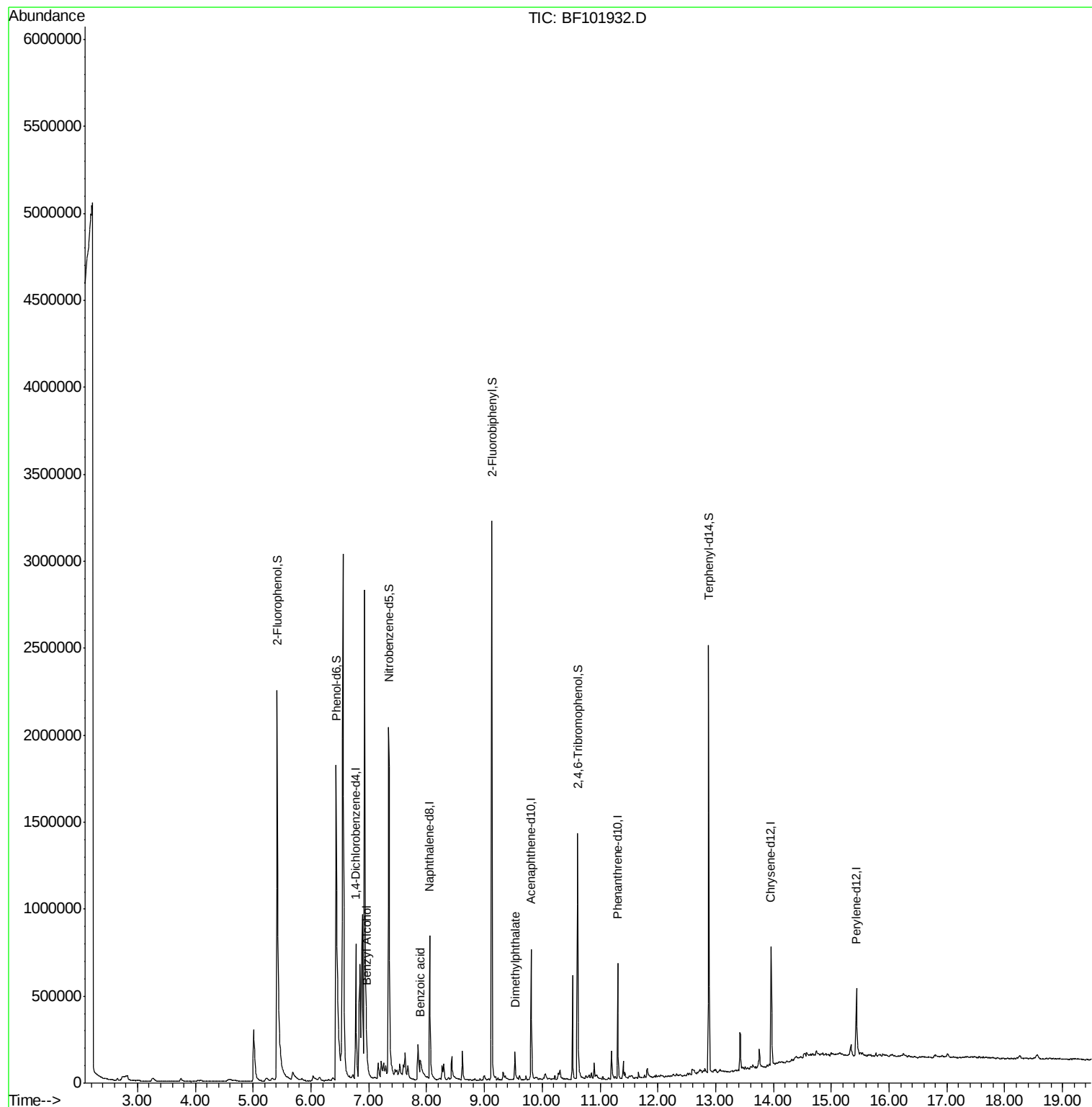
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 123641   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.05  | 136  | 455097   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.81  | 164  | 155206   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.30 | 188  | 242627   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.96 | 240  | 268326   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.43 | 264  | 218940   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 1105453  | 133.18 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 1180686  | 114.29 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 840162   | 102.77 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 171037   | 114.37 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 1108533  | 110.79 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.88 | 244  | 905597   | 81.36  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 6.96  | 79   | 32252    | 4.536  | ng    | 93       |
| 32) Benzoic acid            | 7.90  | 122  | 60852    | 19.368 | ng    | 97       |
| 49) Dimethylphthalate       | 9.53  | 163  | 62450    | 5.002  | ng    | 99       |

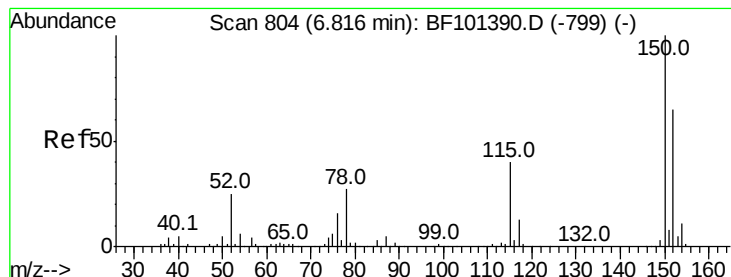
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\  
Data File : BF101932.D  
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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OWS-3

Quant Time: Jan 05 16:52:30 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
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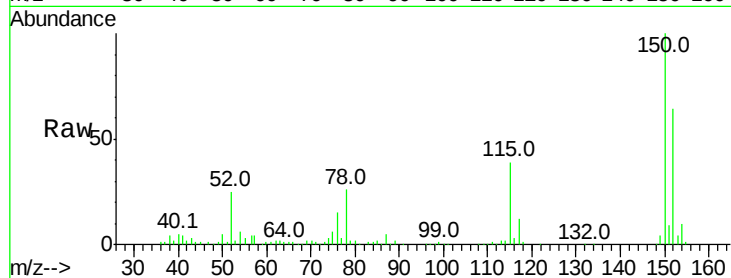


#1

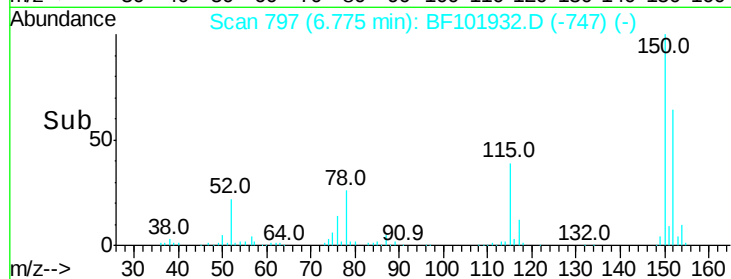
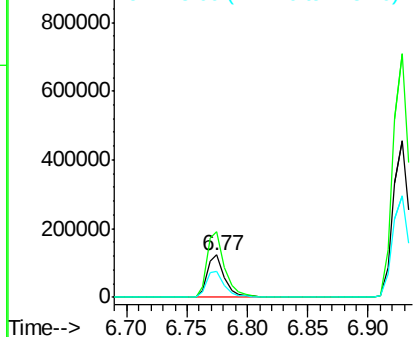
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF101932.D  
Acq: 5 Jan 2018 16:21

Instrument :  
BNA\_F  
ClientSampled :  
OWS-3

Tot Ion:152 Resp: 123641  
Ion Ratio Lower Upper  
152 100  
150 155.0 124.6 186.8  
115 60.4 50.1 75.1



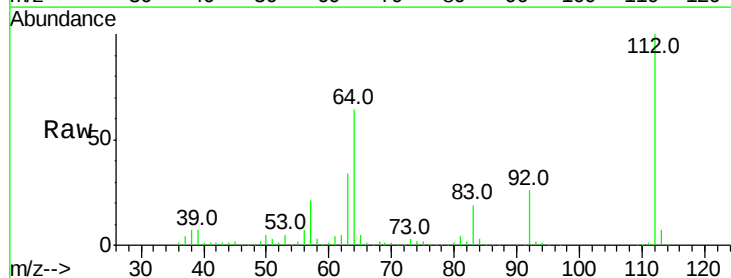
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



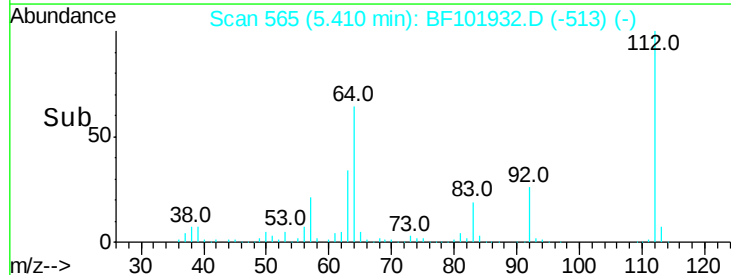
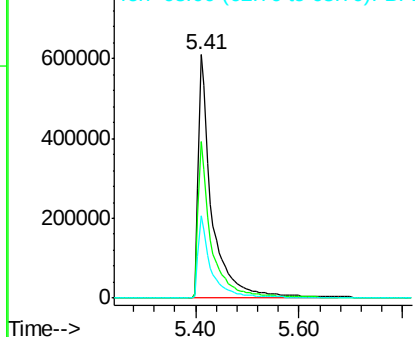
#5

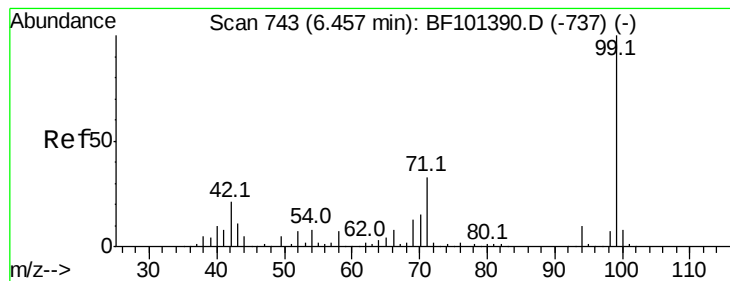
2-Fluorophenol  
Concen: 133.181 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BF101932.D  
Acq: 5 Jan 2018 16:21

Tgt Ion:112 Resp: 1105453  
Ion Ratio Lower Upper  
112 100  
64 64.1 47.9 71.9  
63 33.8 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: 114.295 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

Instrument :

BNA\_F

ClientSampleId :

OWS-3

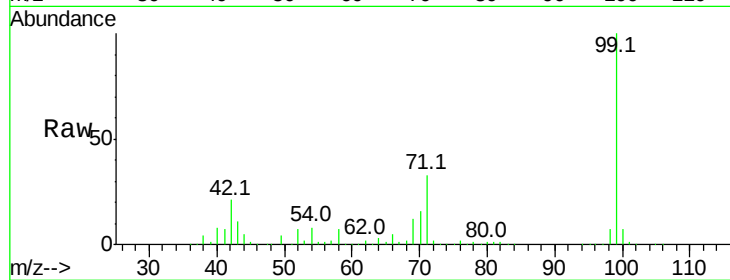
Tot Ion: 99 Resp: 1180686

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 33.2 25.4 38.0



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

800000

600000

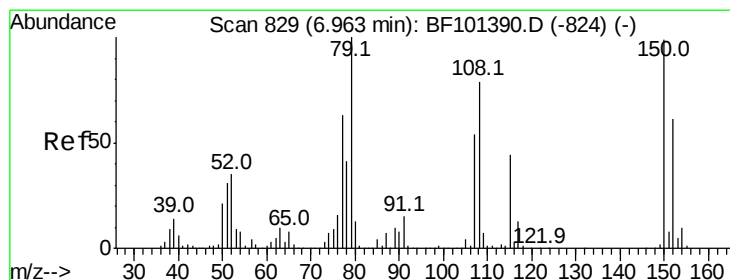
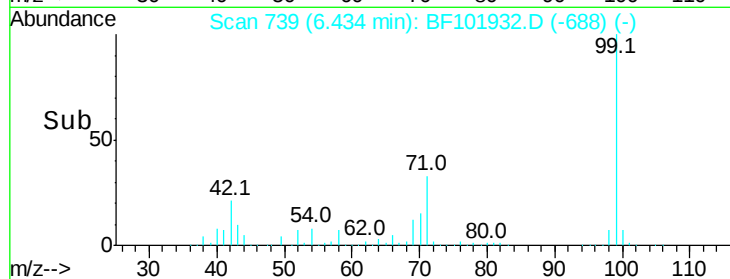
400000

200000

0

6.43

Time-->



#15

Benzyl Alcohol

Concen: 4.536 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.02 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

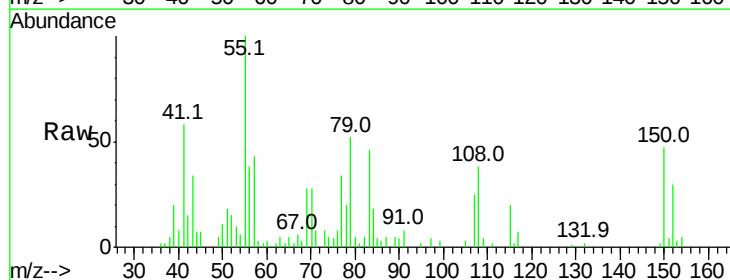
Tgt Ion: 79 Resp: 32252

Ion Ratio Lower Upper

79 100

108 73.7 65.1 97.7

77 66.2 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 108.00 (107.70 to 108.70): BF1  
Ion 77.00 (76.70 to 77.70): BF1

20000

15000

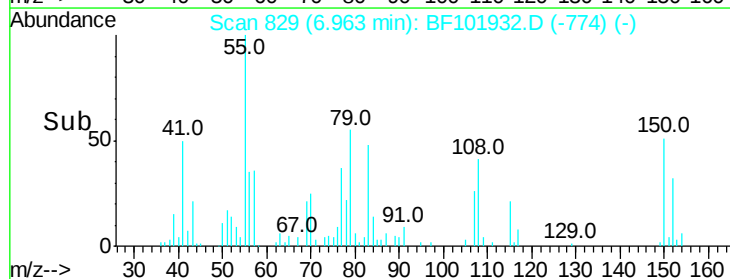
10000

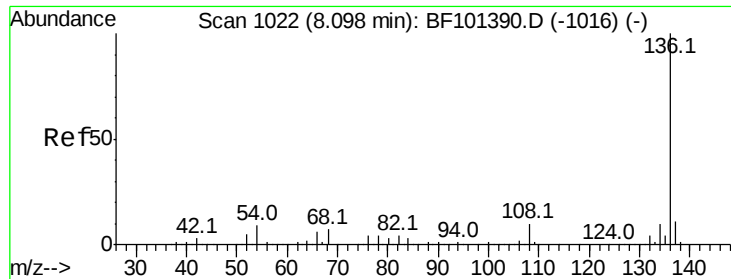
5000

0

6.96

Time-->

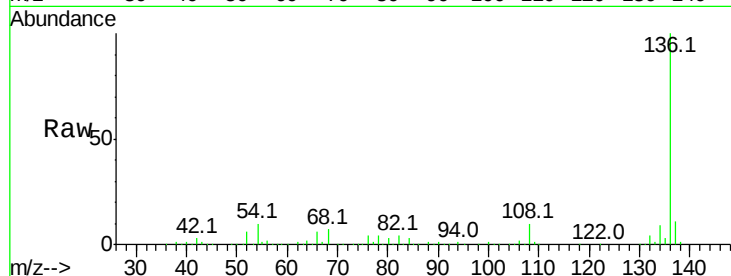




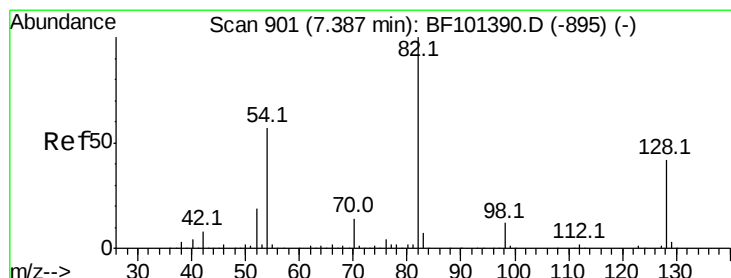
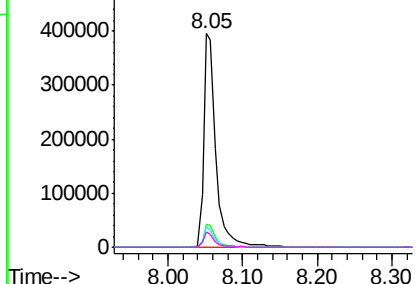
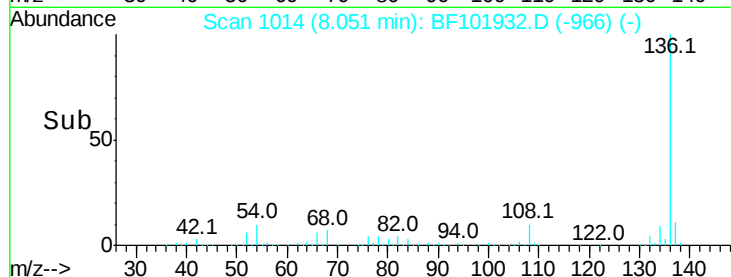
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.02 min  
Lab File: BF101932.D  
Acq: 5 Jan 2018 16:21

Instrument :  
BNA\_F  
ClientSampleId :  
OWS-3

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 455097 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.9   | 13.3   |
| 54       | 9.8   | 6.6   | 9.8    |
| 68       | 7.4   | 5.0   | 7.4    |

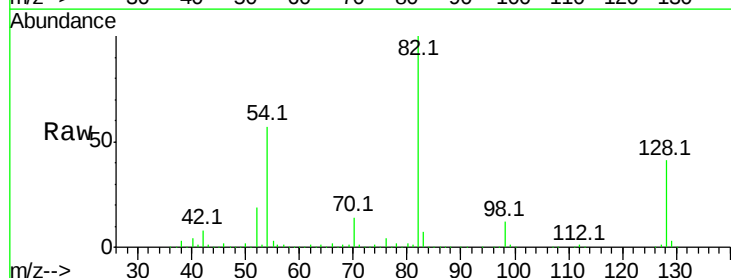


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

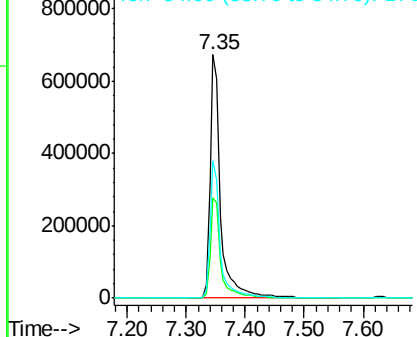
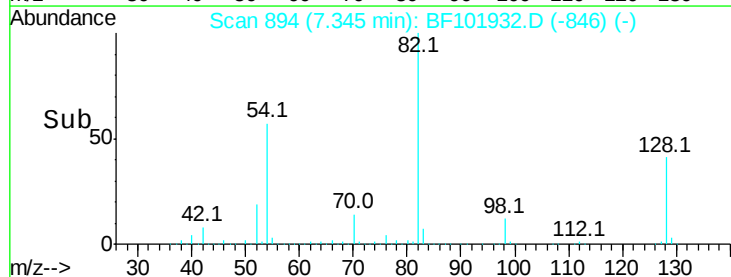


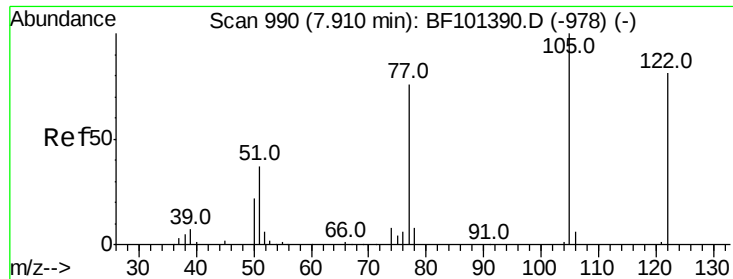
#23  
Nitrobenzene-d5  
Concen: 102.766 ng  
RT: 7.35 min Scan# 894  
Delta R.T. -0.02 min  
Lab File: BF101932.D  
Acq: 5 Jan 2018 16:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 840162 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 41.4  | 36.1  | 54.1   |
| 54       | 56.6  | 41.4  | 62.2   |



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





#32

Benzoic acid

Concen: 19.368 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

Instrument :

BNA\_F

ClientSampleId :

OWS-3

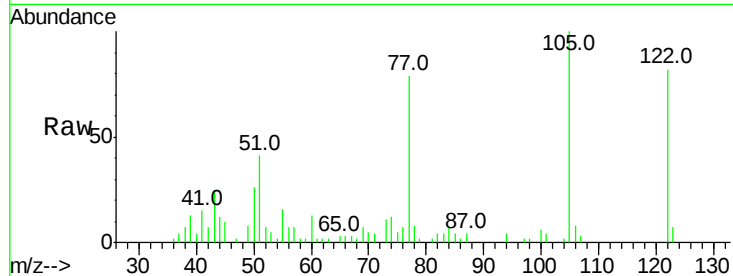
Tot Ion:122 Resp: 60852

Ion Ratio Lower Upper

122 100

105 121.5 101.1 141.1

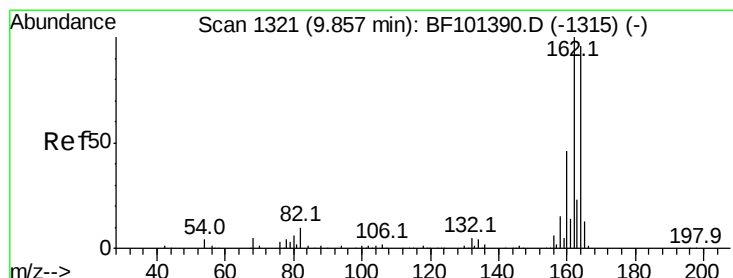
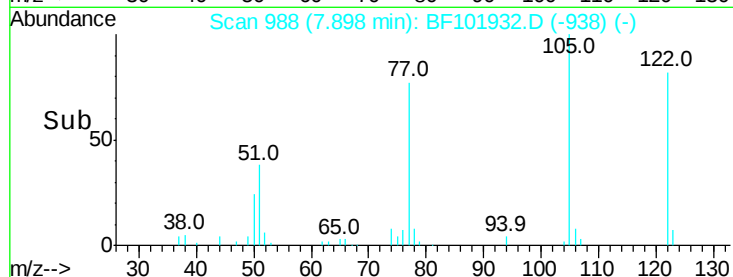
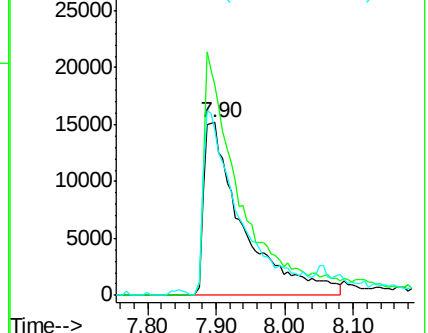
77 96.3 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

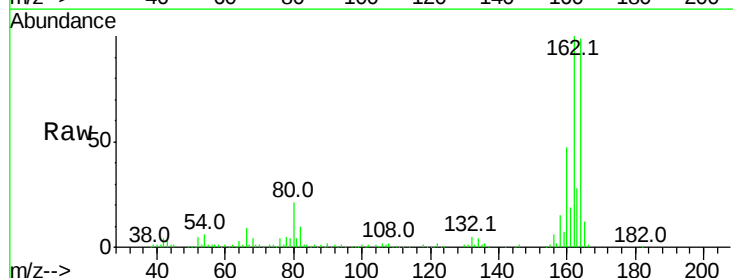
Tgt Ion:164 Resp: 155206

Ion Ratio Lower Upper

164 100

162 100.8 86.1 129.1

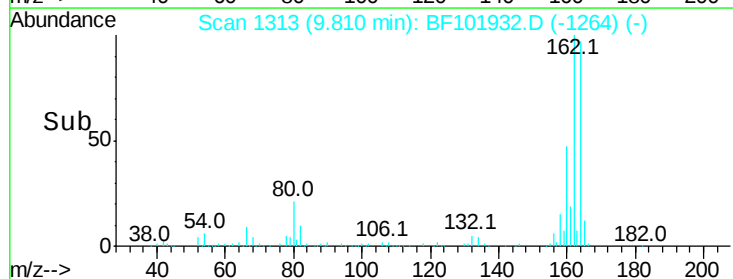
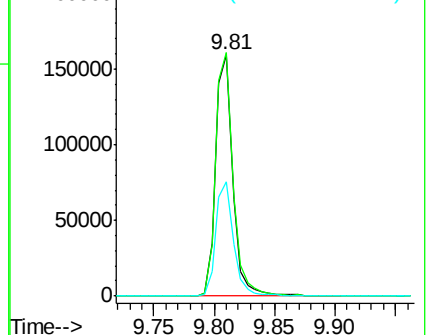
160 47.1 38.3 57.5



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

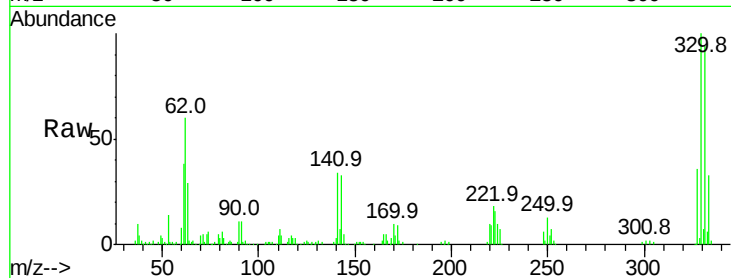




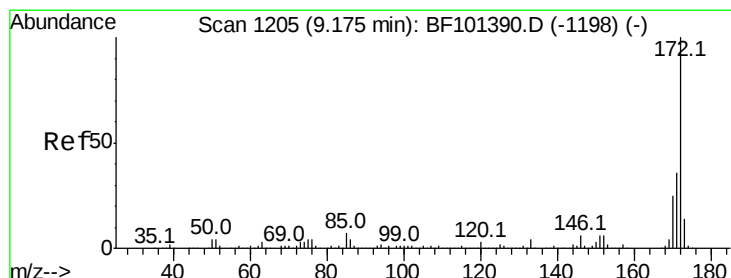
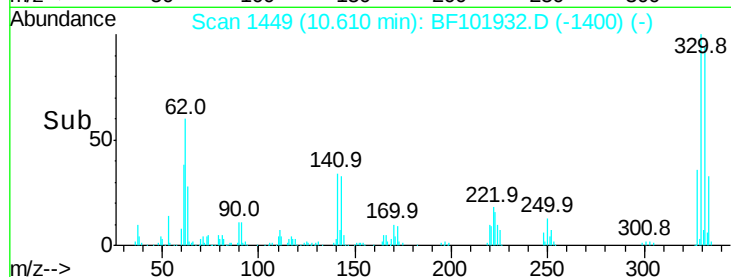
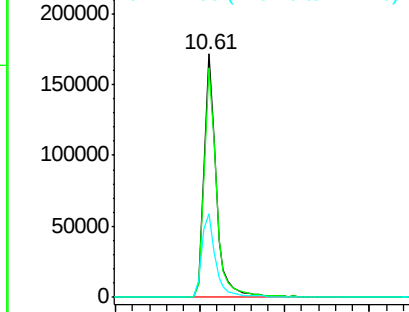
#41  
 2,4,6-Tribromophenol  
 Concen: 114.365 ng  
 RT: 10.61 min Scan# 1449  
 Delta R.T. -0.01 min  
 Lab File: BF101932.D  
 Acq: 5 Jan 2018 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWS-3

Tot Ion:330 Resp: 171037  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.0 115.6  
 141 39.7 29.9 44.9

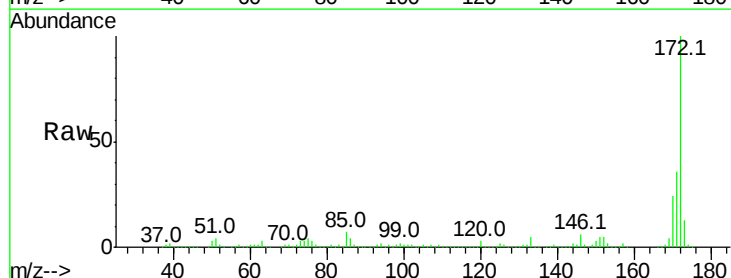


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

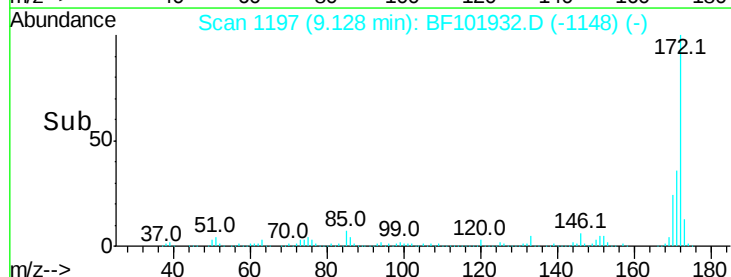
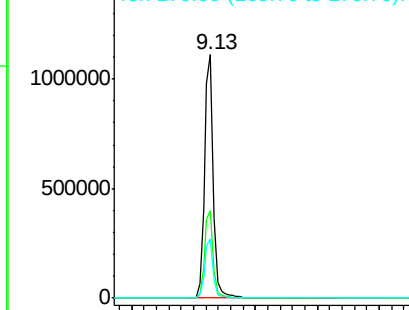


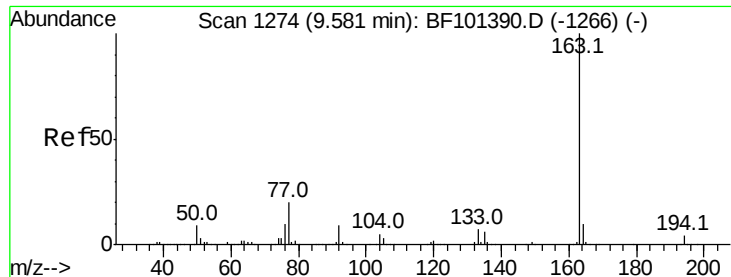
#44  
 2-Fluorobiphenyl  
 Concen: 110.795 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF101932.D  
 Acq: 5 Jan 2018 16:21

Tgt Ion:172 Resp: 1108533  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 24.5 19.6 29.4



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: 5.002 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

Instrument :

BNA\_F

ClientSampleId :

OWS-3

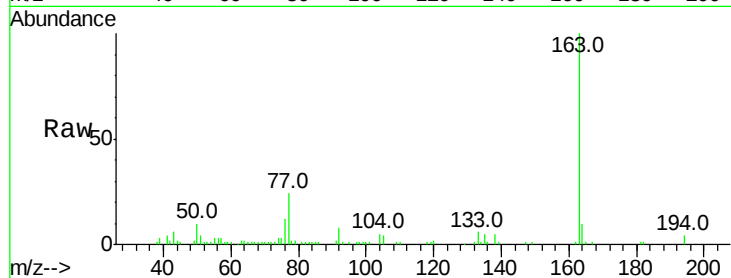
Tot Ion:163 Resp: 62450

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

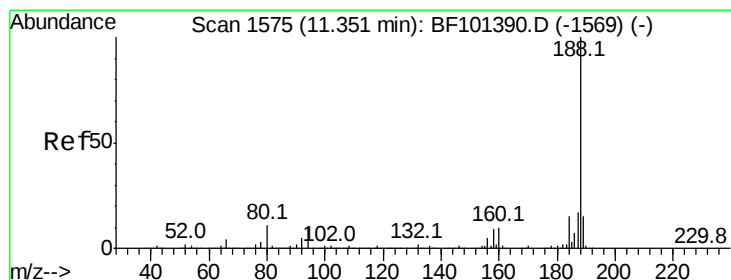
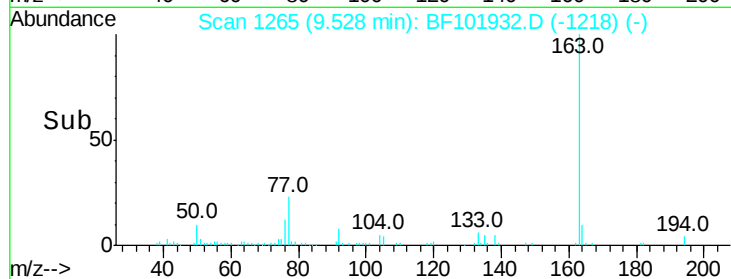
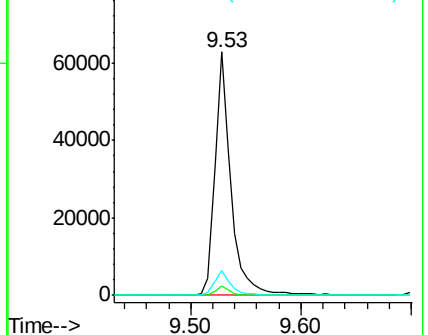
164 10.1 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

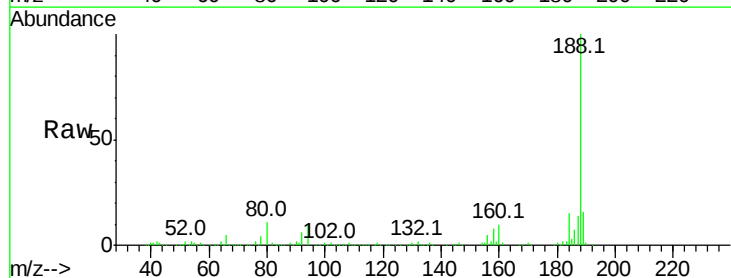
Tgt Ion:188 Resp: 242627

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

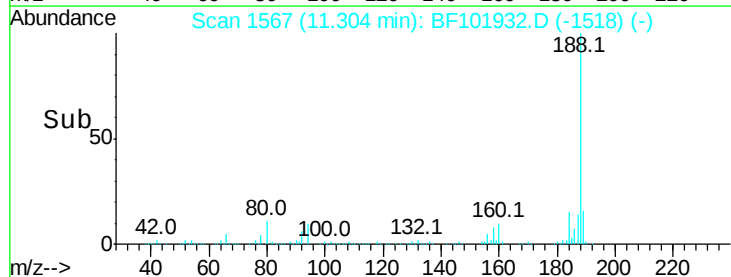
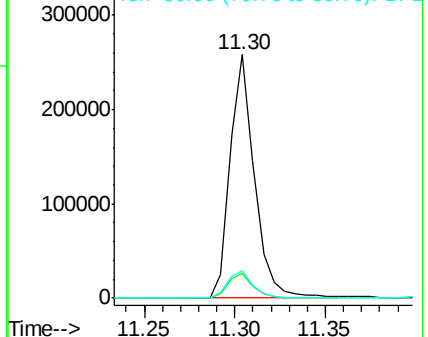
80 11.4 9.2 13.8

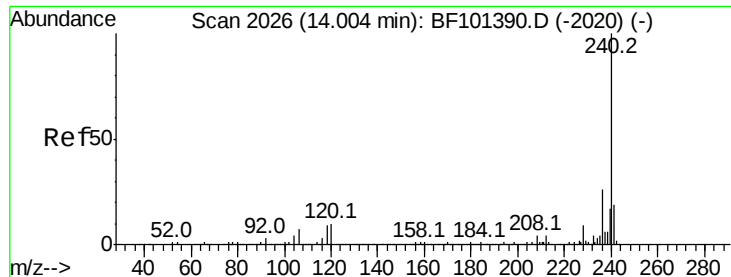


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

Instrument :

BNA\_F

ClientSampleId :

OWS-3

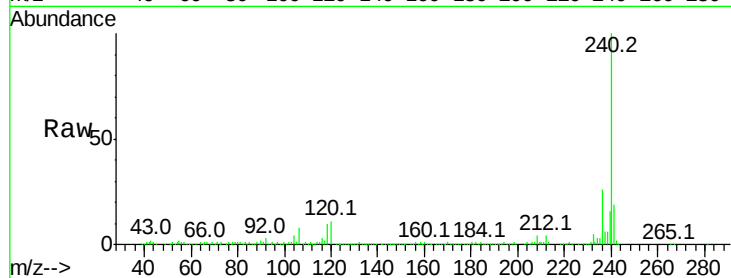
Tot Ion:240 Resp: 268326

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

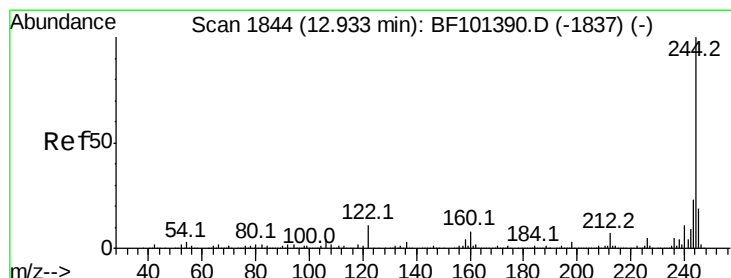
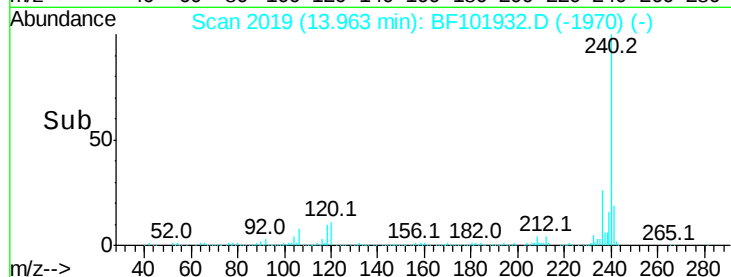
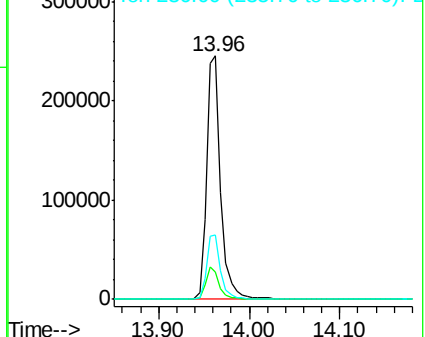
236 26.4 20.7 31.1



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: 81.363 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF101932.D

Acq: 5 Jan 2018 16:21

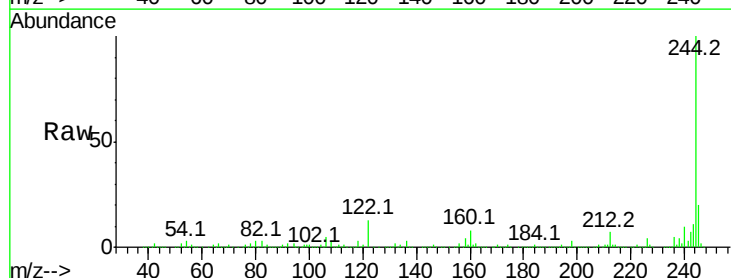
Tgt Ion:244 Resp: 905597

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

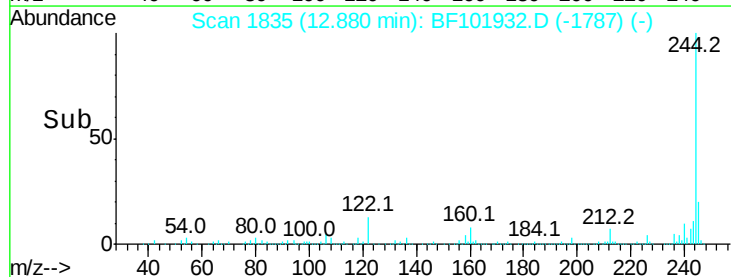
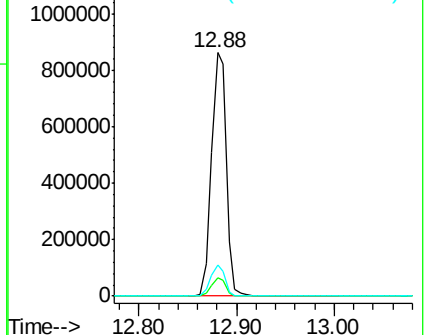
122 12.9 11.0 16.4

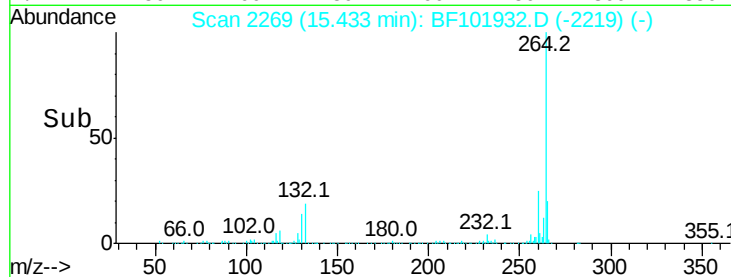
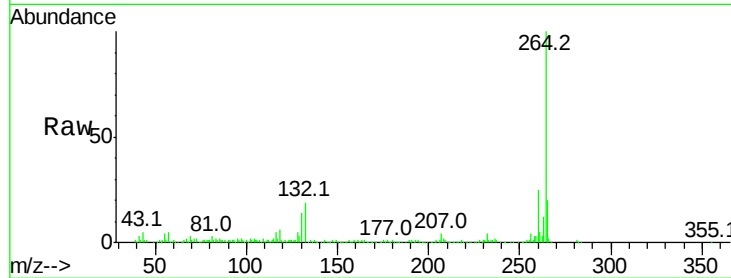
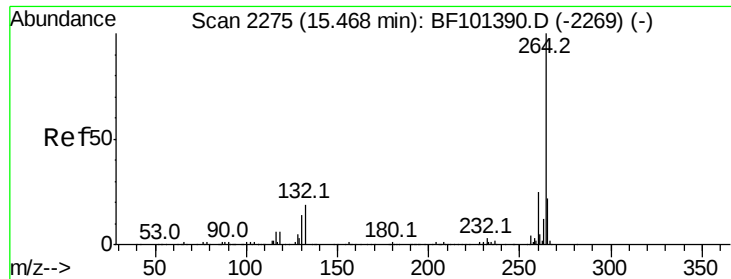


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.43 min Scan# 2269  
 Delta R.T. -0.01 min  
 Lab File: BF101932.D  
 Acq: 5 Jan 2018 16:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWS-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.2  | 28.8  |
| 265     | 20.1  | 17.5  | 26.3  |

