

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032919\  
 Data File : BF113427.D  
 Acq On : 29 Mar 2019 21:49  
 Operator : JU/SJ  
 Sample : K1685-09 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AU-06-032819-A

Quant Time: Mar 30 00:58:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

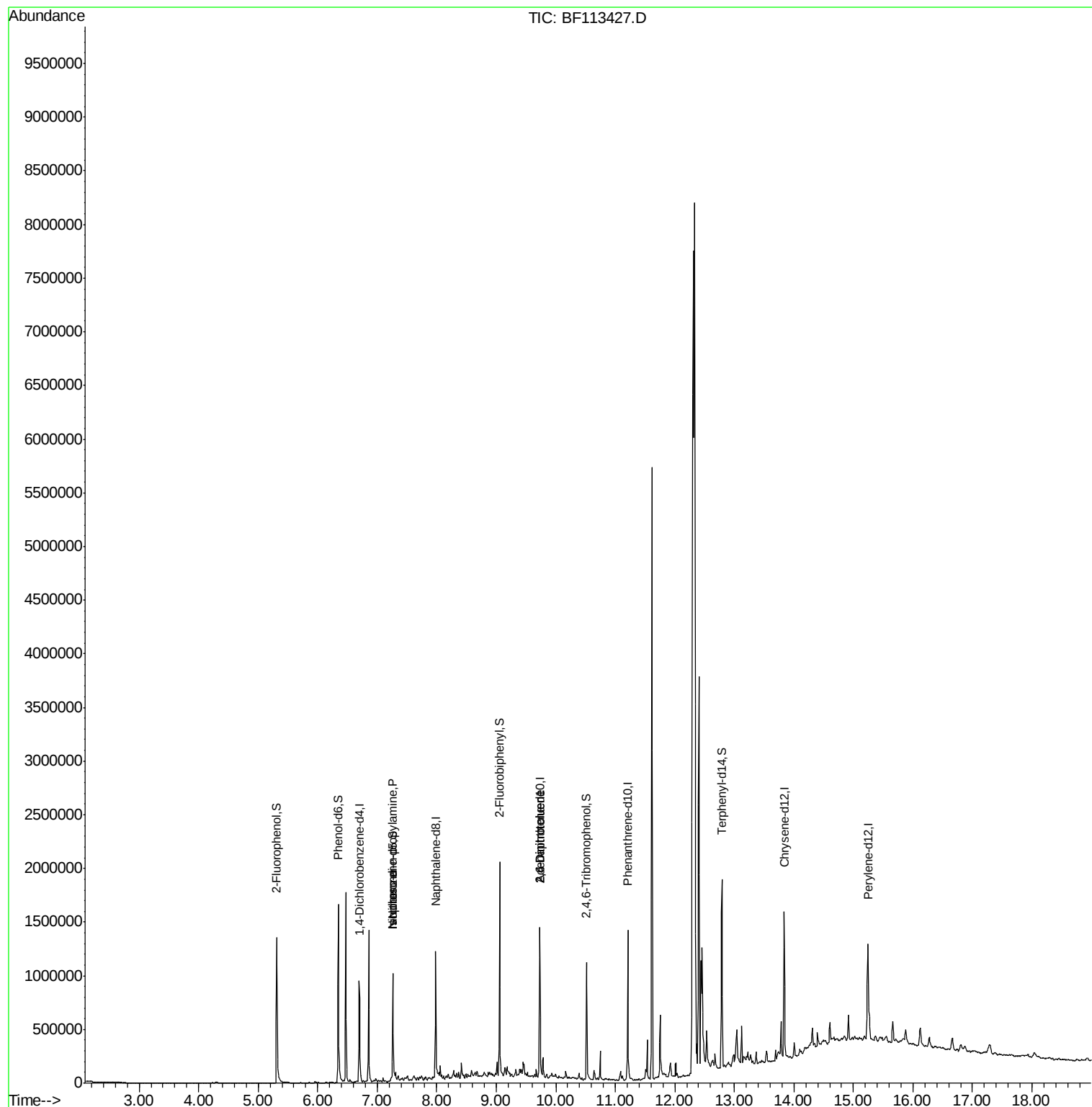
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.70  | 152  | 147878   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.98  | 136  | 577825   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.73  | 164  | 278361   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.21 | 188  | 532946   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.84 | 240  | 479759   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.24 | 264  | 456700   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.31  | 112  | 464172   | 51.32  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.35  | 99   | 621031   | 54.28  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.26  | 82   | 361609   | 37.14  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.52 | 330  | 163608   | 47.58  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.06  | 172  | 630728   | 22.56  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.79 | 244  | 618843   | 28.43  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 49960    | 6.952  | ng    | # 75     |
| 25) Isophorone                 | 7.26  | 82   | 352121   | 18.664 | ng    | # 64     |
| 51) 2,6-Dinitrotoluene         | 9.73  | 165  | 37328    | 8.021  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene         | 9.73  | 165  | 37328    | 6.307  | ng    | # 24     |

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

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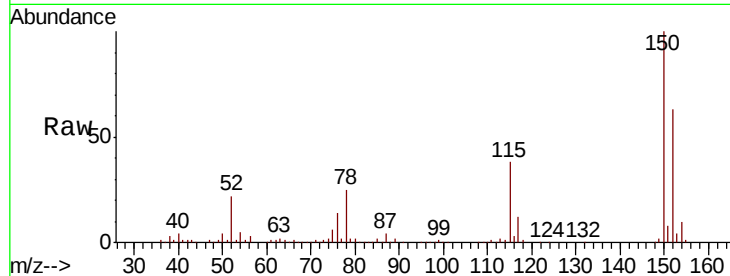


#1

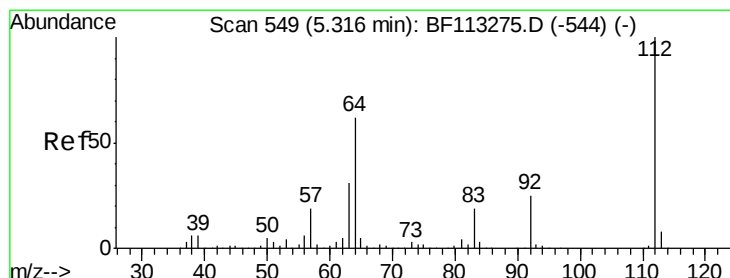
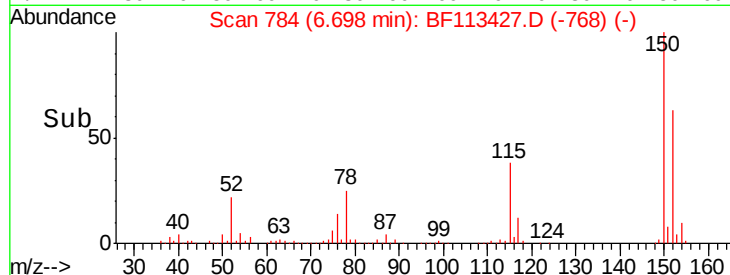
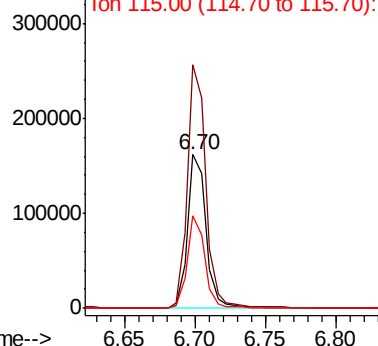
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. -0.01 min  
 Lab File: BF113427.D  
 Acq: 29 Mar 2019 21:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AU-06-032819-A

Tgt Ion:152 Resp: 147878  
 Ion Ratio Lower Upper  
 152 100  
 150 158.4 124.7 187.1  
 115 60.2 46.0 69.0



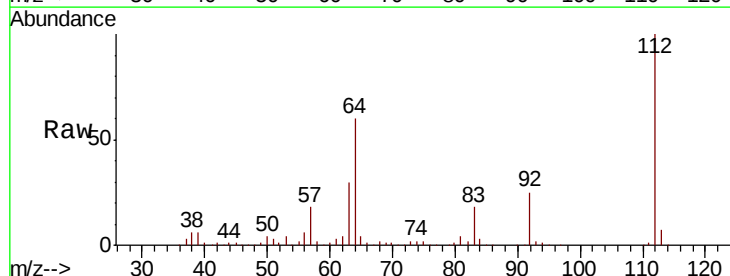
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



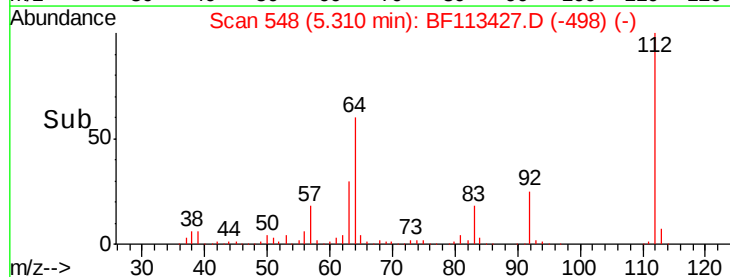
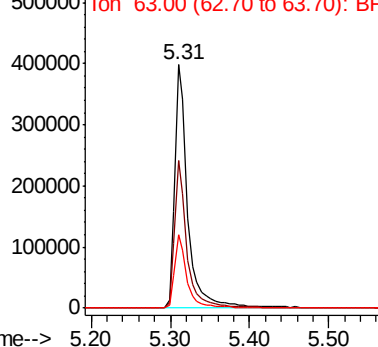
#5

2-Fluorophenol  
 Concen: 51.325 ng  
 RT: 5.31 min Scan# 548  
 Delta R.T. -0.01 min  
 Lab File: BF113427.D  
 Acq: 29 Mar 2019 21:49

Tgt Ion:112 Resp: 464172  
 Ion Ratio Lower Upper  
 112 100  
 64 60.5 49.2 73.8  
 63 30.3 24.9 37.3



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: 54.281 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113427.D

Acq: 29 Mar 2019 21:49

Instrument :

BNA\_F

ClientSampleId :

AU-06-032819-A

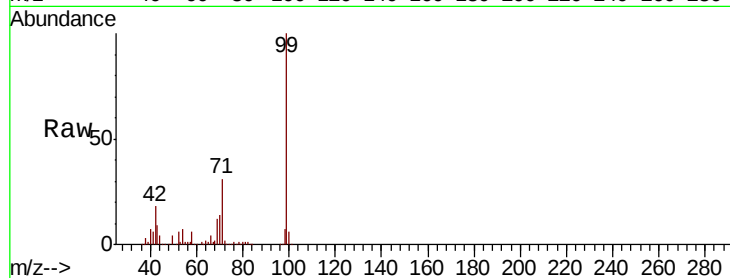
Tgt Ion: 99 Resp: 621031

Ion Ratio Lower Upper

99 100

42 17.6 14.8 22.2

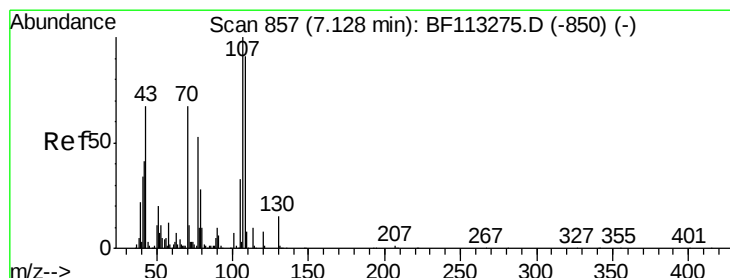
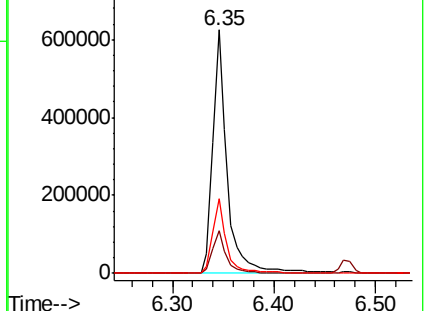
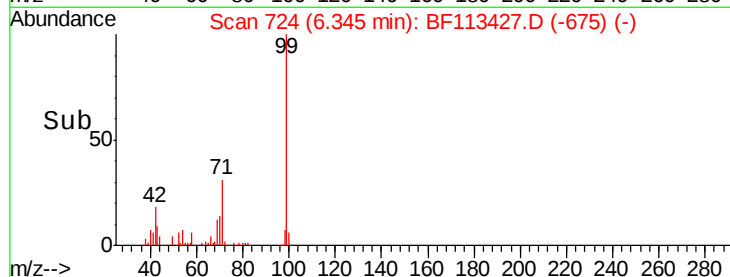
71 30.5 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.952 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113427.D

Acq: 29 Mar 2019 21:49

Tgt Ion: 70 Resp: 49960

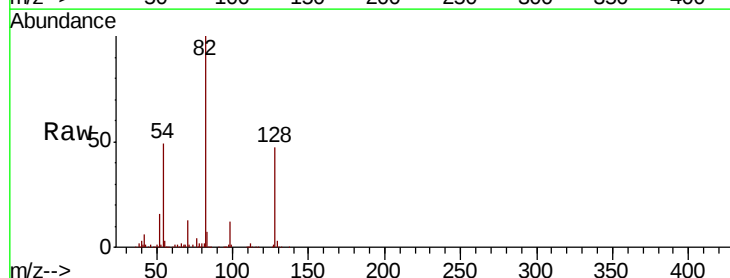
Ion Ratio Lower Upper

70 100

42 47.2 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#

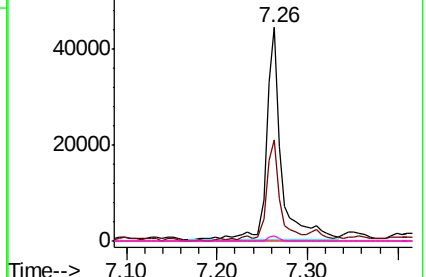
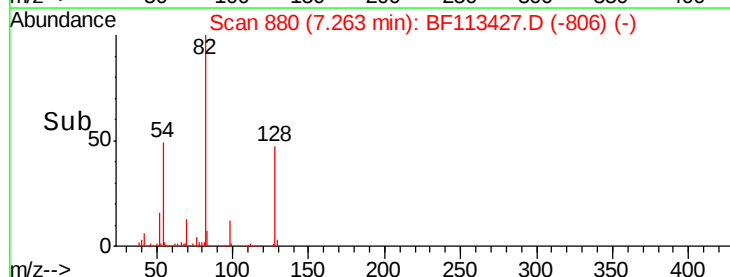


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

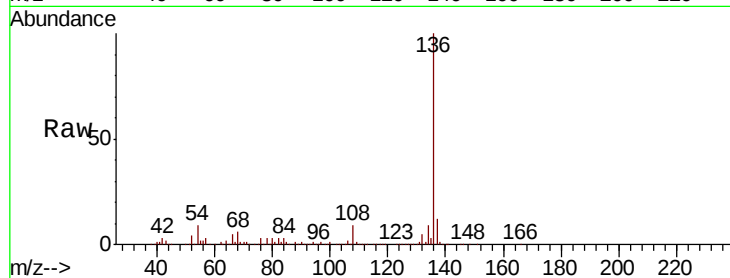




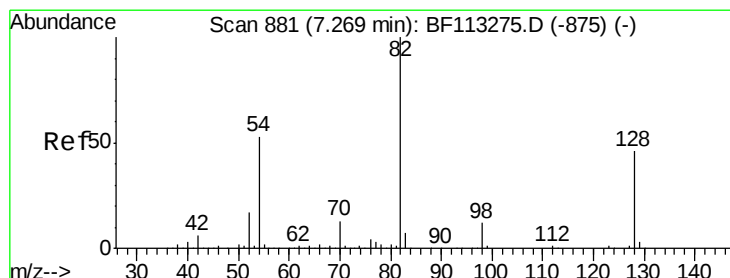
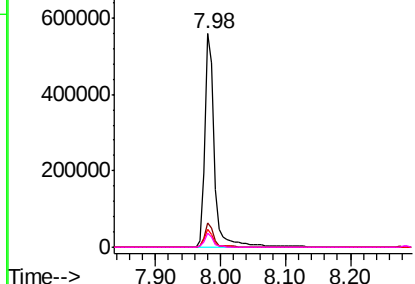
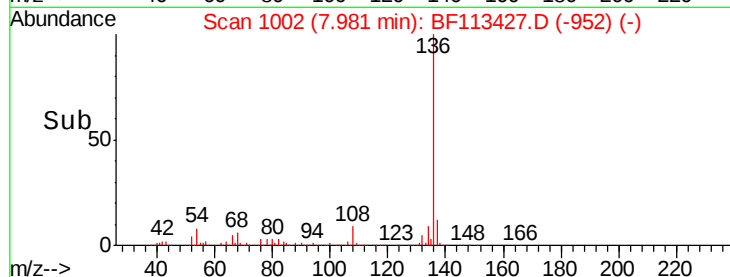
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.98 min Scan# 1002  
Delta R.T. -0.01 min  
Lab File: BF113427.D  
Acq: 29 Mar 2019 21:49

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BNA\_F  
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AU-06-032819-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 577825 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.6  | 8.9   | 13.3   |
| 54       | 8.5   | 7.0   | 10.6   |
| 68       | 6.4   | 4.8   | 7.2    |

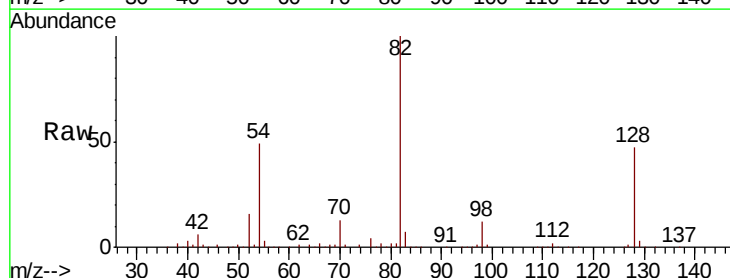


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

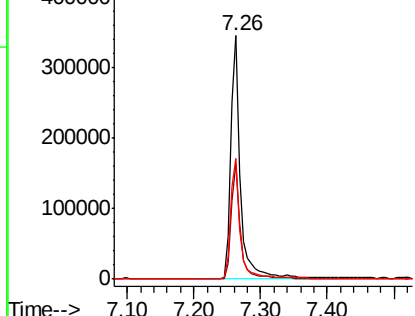
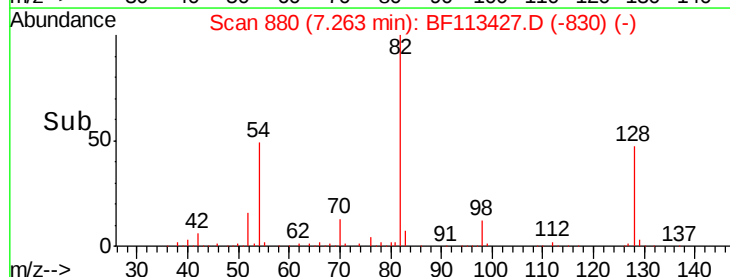


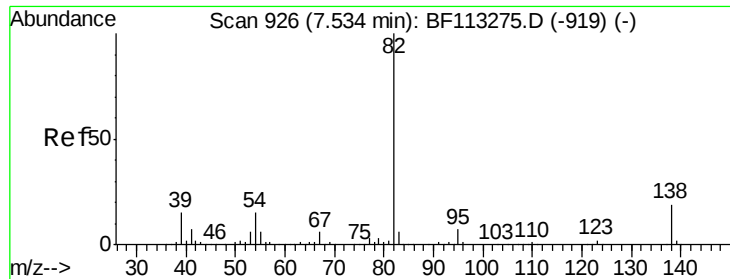
#23  
Nitrobenzene-d5  
Concen: 37.144 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.00 min  
Lab File: BF113427.D  
Acq: 29 Mar 2019 21:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 361609 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.5  | 36.5  | 54.7   |
| 54       | 49.5  | 42.2  | 63.2   |



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

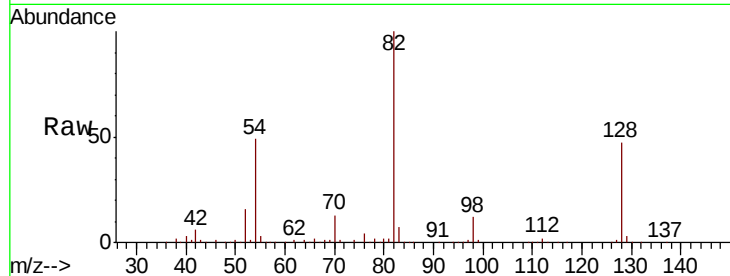




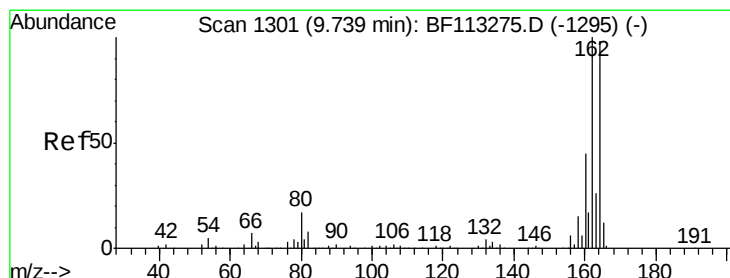
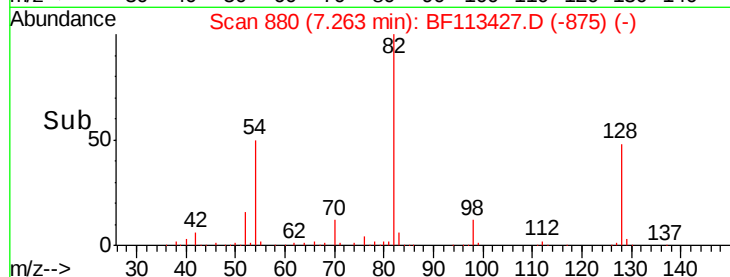
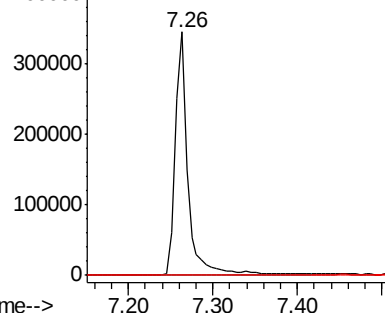
#25  
Isophorone  
Concen: 18.664 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.27 min  
Lab File: BF113427.D  
Acq: 29 Mar 2019 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-032819-A

Tgt Ion: 82 Resp: 352121  
Ion Ratio Lower Upper  
82 100  
95 0.3 5.5 8.3#  
138 0.0 15.2 22.8#

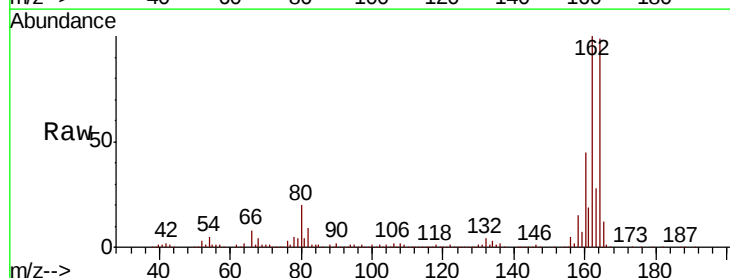


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

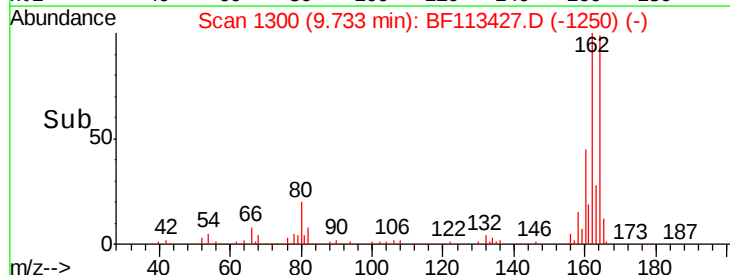
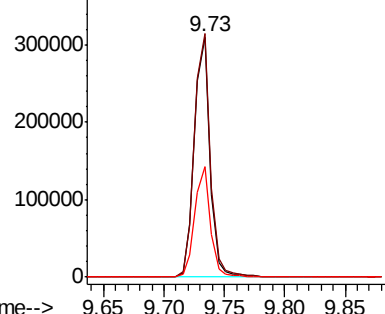


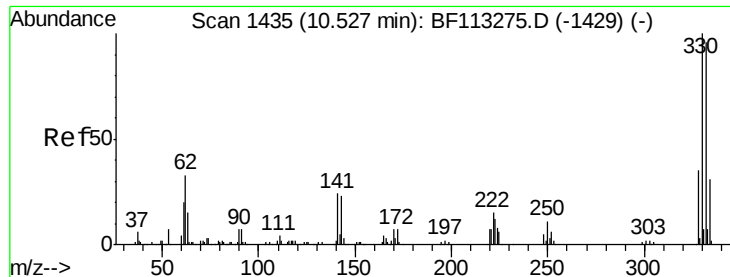
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF113427.D  
Acq: 29 Mar 2019 21:49

Tgt Ion: 164 Resp: 278361  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.8 122.6  
160 45.9 36.4 54.6



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

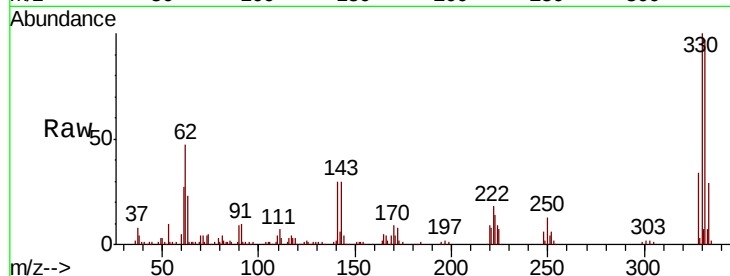




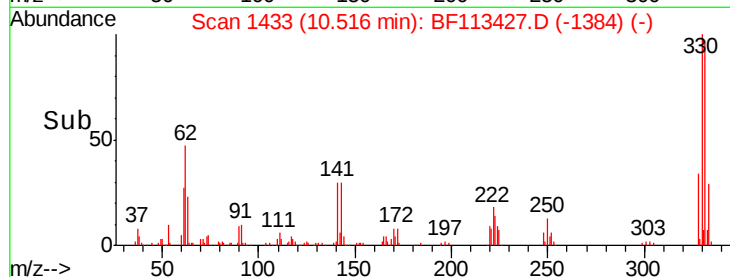
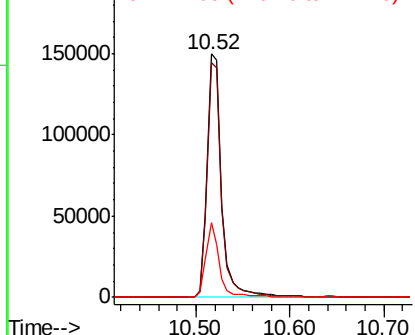
#42  
 2,4,6-Tribromophenol  
 Concen: 47.583 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.01 min  
 Lab File: BF113427.D  
 Acq: 29 Mar 2019 21:49

Instrument :  
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Tgt Ion:330 Resp: 163608  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.8 116.6  
 141 28.6 22.7 34.1

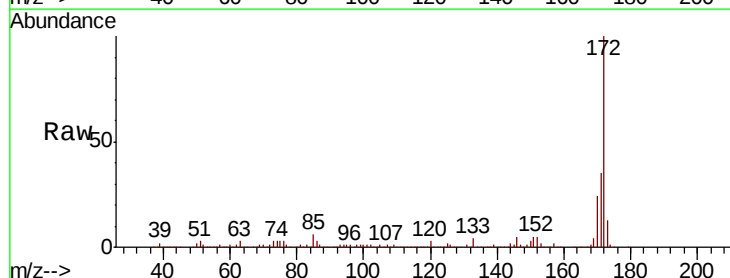


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

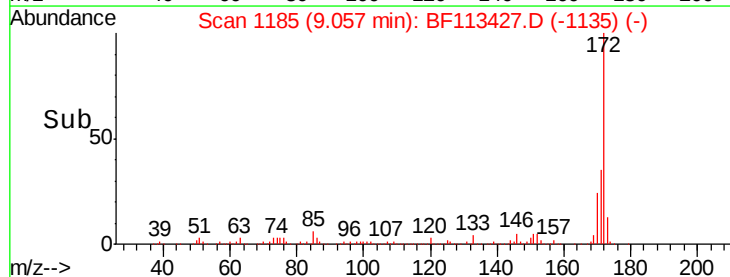
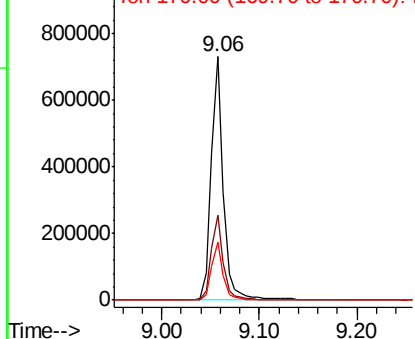


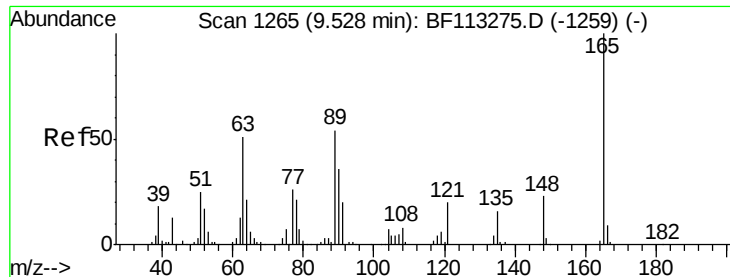
#45  
 2-Fluorobiphenyl  
 Concen: 22.558 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.00 min  
 Lab File: BF113427.D  
 Acq: 29 Mar 2019 21:49

Tgt Ion:172 Resp: 630728  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 29.0 43.6  
 170 23.6 19.5 29.3



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





#51

2,6-Dinitrotoluene

Concen: 8.021 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.21 min

Lab File: BF113427.D

Acq: 29 Mar 2019 21:49

Instrument :

BNA\_F

ClientSampleId :

AU-06-032819-A

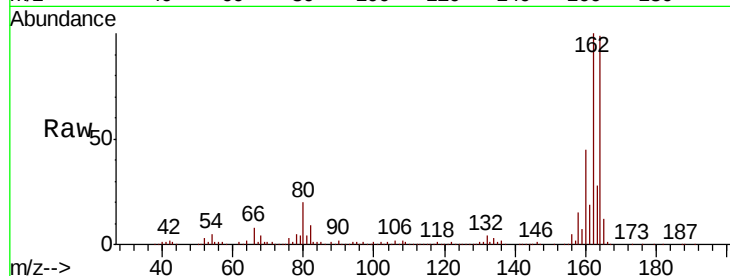
Tgt Ion:165 Resp: 37328

Ion Ratio Lower Upper

165 100

63 1.7 43.4 65.0#

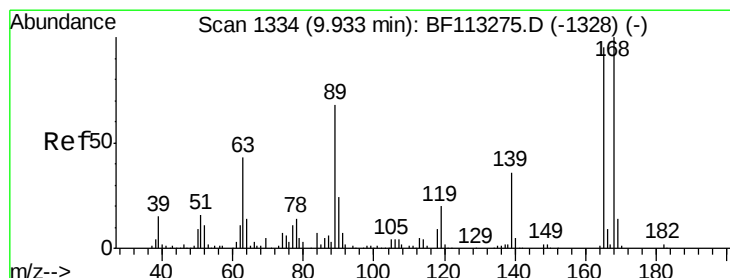
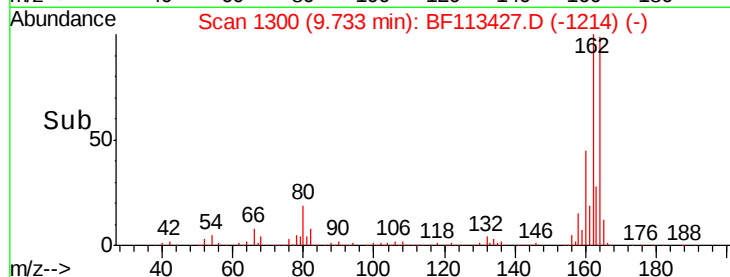
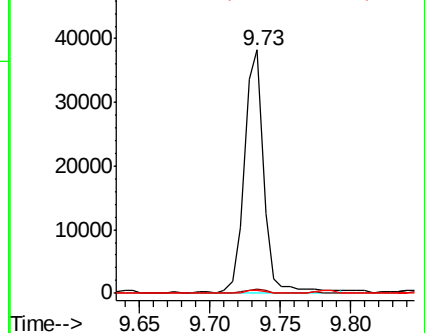
89 1.4 43.1 64.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.307 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.20 min

Lab File: BF113427.D

Acq: 29 Mar 2019 21:49

Tgt Ion:165 Resp: 37328

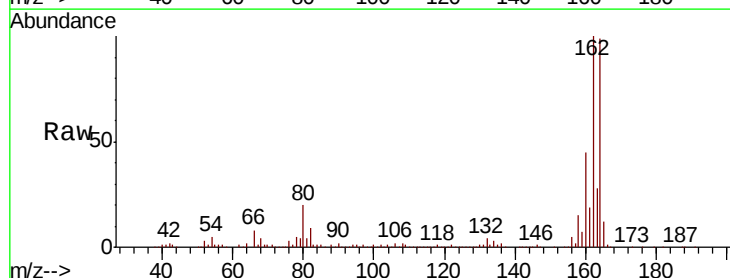
Ion Ratio Lower Upper

165 100

63 1.7 37.5 56.3#

89 1.4 57.4 86.2#

182 0.8 2.0 3.0#

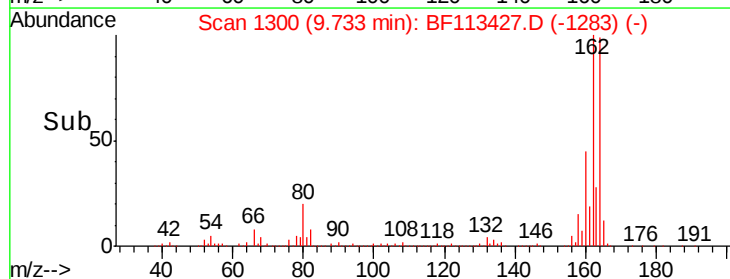
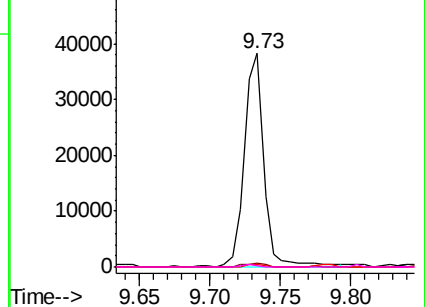


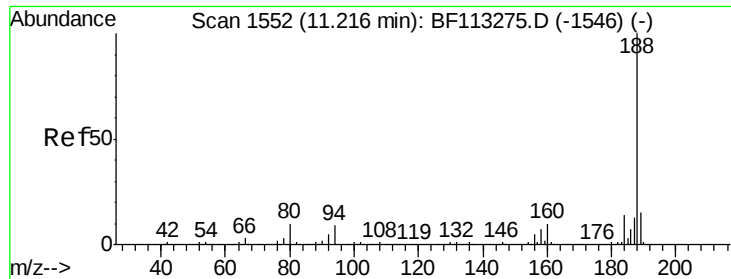
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

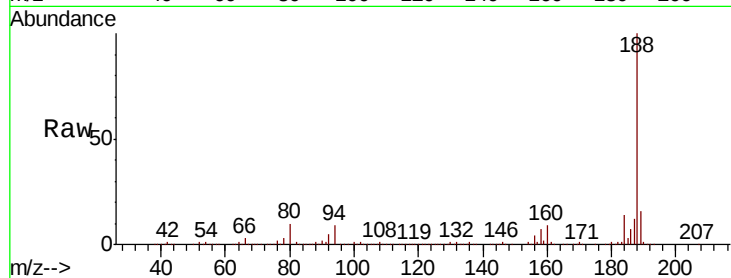




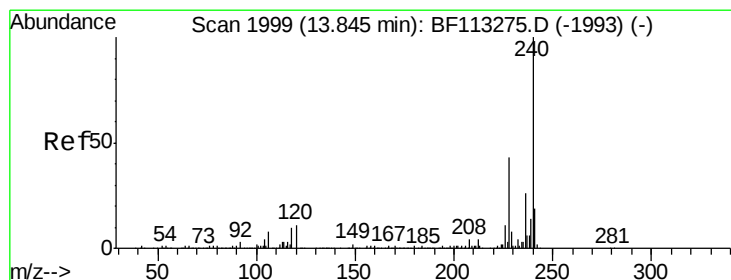
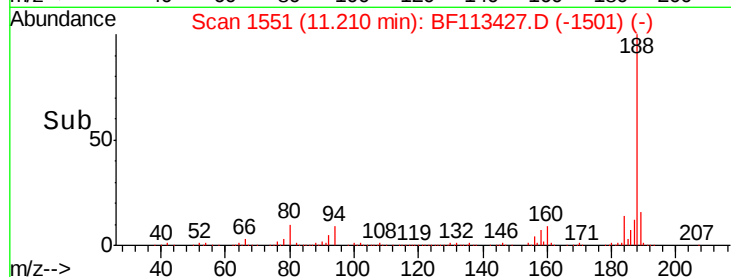
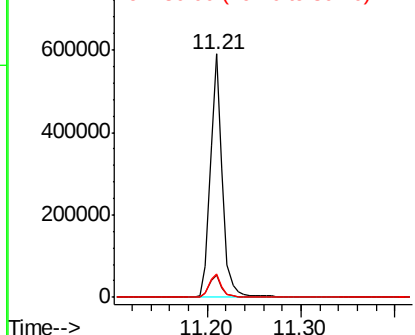
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF113427.D  
Acq: 29 Mar 2019 21:49

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-032819-A

Tgt Ion:188 Resp: 532946  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.0 10.6  
80 9.6 7.7 11.5

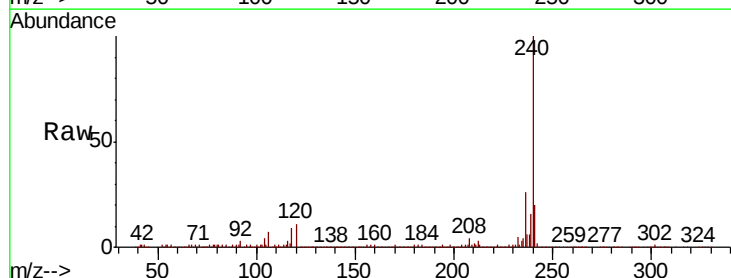


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

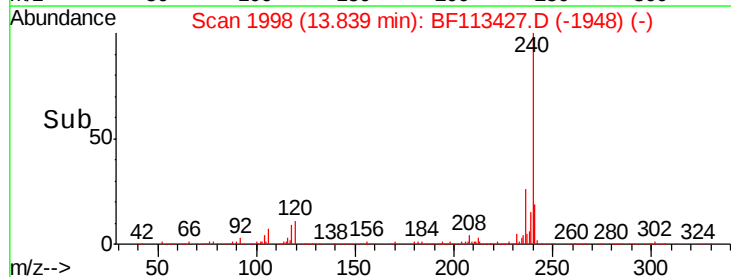
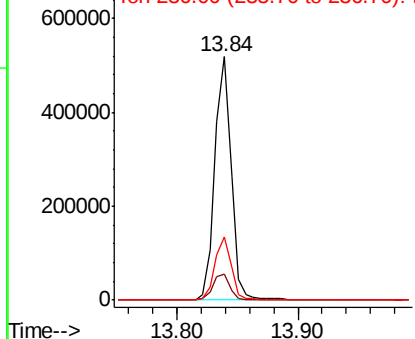


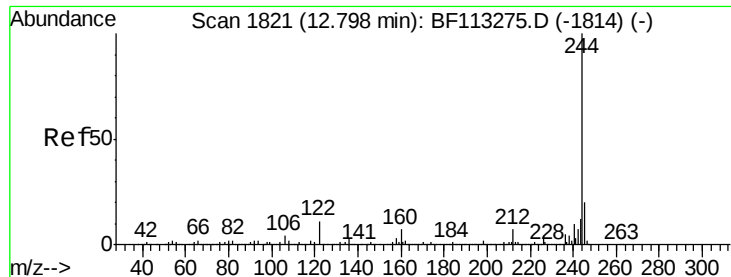
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF113427.D  
Acq: 29 Mar 2019 21:49

Tgt Ion:240 Resp: 479759  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.8 13.2  
236 26.1 20.9 31.3



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





#79

Terphenyl-d14

Concen: 28.432 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113427.D

Acq: 29 Mar 2019 21:49

Instrument :

BNA\_F

ClientSampleId :

AU-06-032819-A

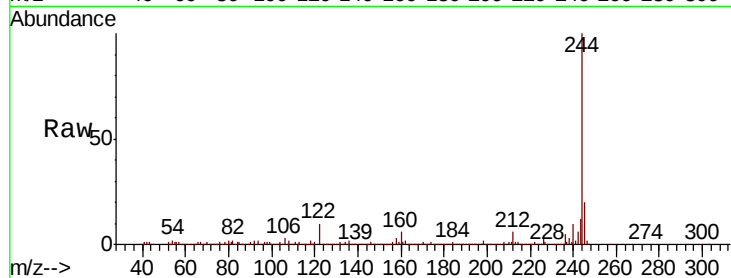
Tgt Ion:244 Resp: 618843

Ion Ratio Lower Upper

244 100

212 6.2 5.5 8.3

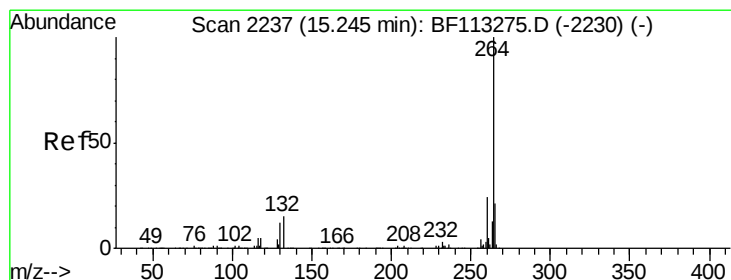
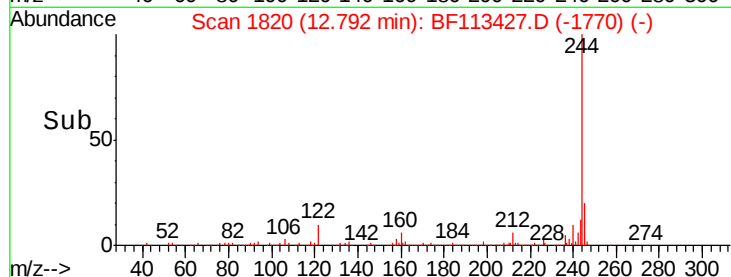
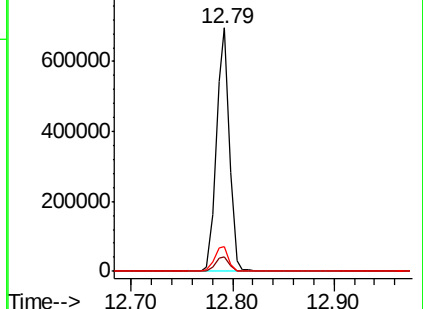
122 10.1 8.6 13.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BF113427.D

Acq: 29 Mar 2019 21:49

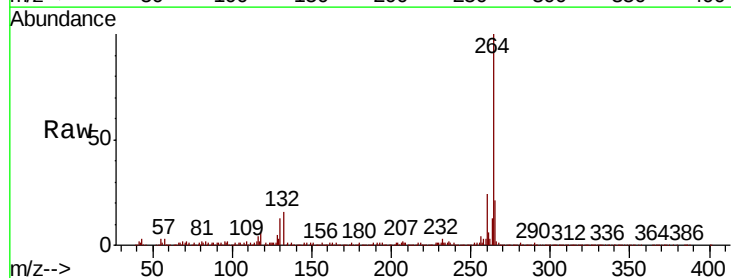
Tgt Ion:264 Resp: 456700

Ion Ratio Lower Upper

264 100

260 23.6 19.1 28.7

265 21.3 17.1 25.7



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

