

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF032520\  
 Data File : BF119511.D  
 Acq On : 25 Mar 2020 18:40  
 Operator : CG/JU  
 Sample : L2017-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FE-SB-29-(5.5-6)

Quant Time: Mar 26 02:01:46 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 18 15:11:18 2020  
 Response via : Initial Calibration

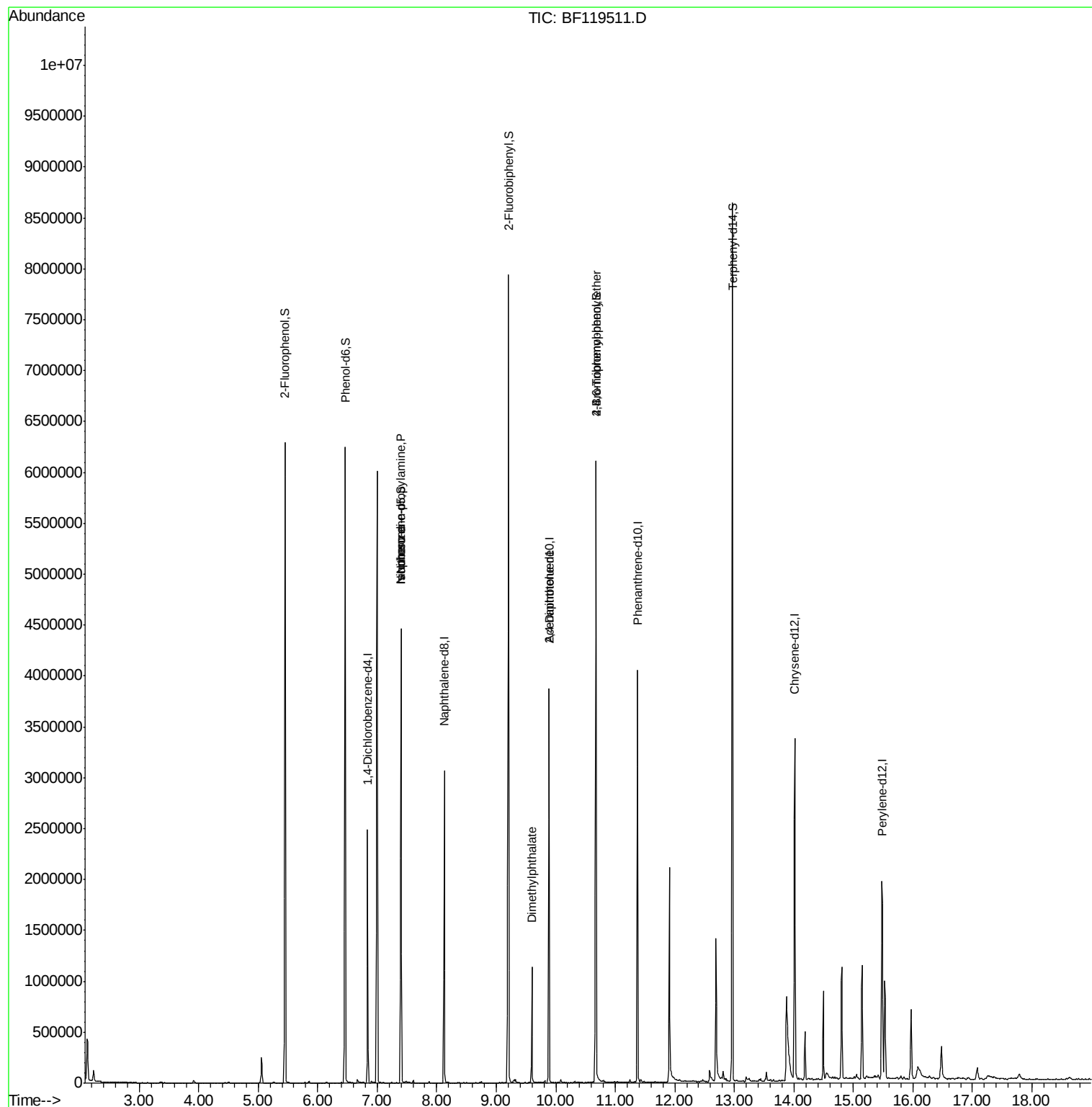
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.84  | 152  | 356710   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.13  | 136  | 1371435  | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10           | 9.89  | 164  | 750899   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10           | 11.37 | 188  | 1455413  | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12               | 14.02 | 240  | 1111270  | 20.00 | ng    | -0.02    |
| 87) Perylene-d12               | 15.48 | 264  | 927741   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 1812678  | 80.90 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.46  | 99   | 2347279  | 82.00 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 1461555  | 57.92 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 756321   | 97.63 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 2803994  | 55.32 | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.97 | 244  | 3286287  | 57.94 | ng    | -0.01    |
| Target Compounds               |       |      |          |       |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 194961   | 11.30 | ng    | # 71     |
| 25) Isophorone                 | 7.40  | 82   | 1453436  | 28.39 | ng    | # 66     |
| 50) Dimethylphthalate          | 9.60  | 163  | 407832   | 7.65  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 98018    | 6.81  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 46500    | 2.81  | ng    | # 1      |

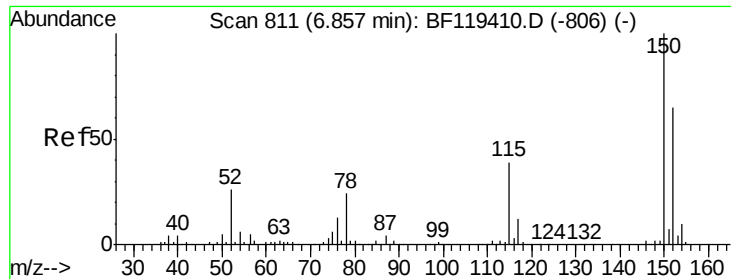
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 26 02:01:46 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 18 15:11:18 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.02 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Instrument :

BNA\_F

ClientSampleId :

FE-SB-29-(5.5-6)

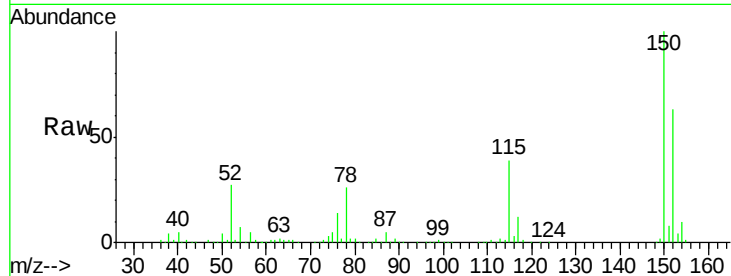
Tgt Ion:152 Resp: 356710

Ion Ratio Lower Upper

152 100

150 159.7 123.9 185.9

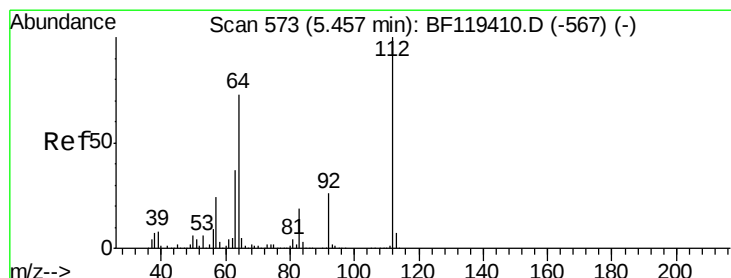
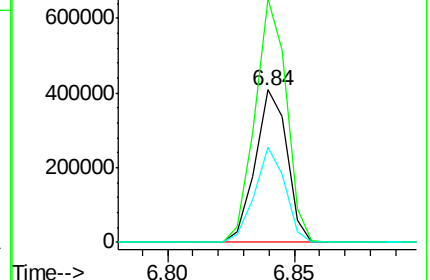
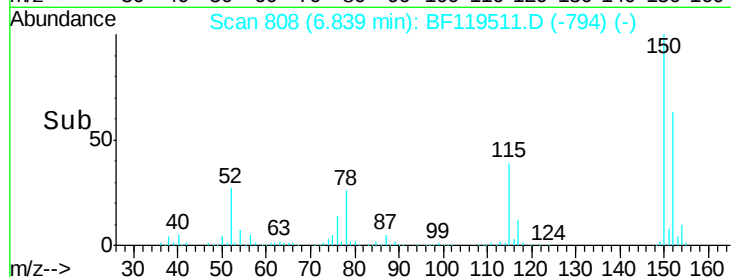
115 62.3 47.8 71.6



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: 80.90 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

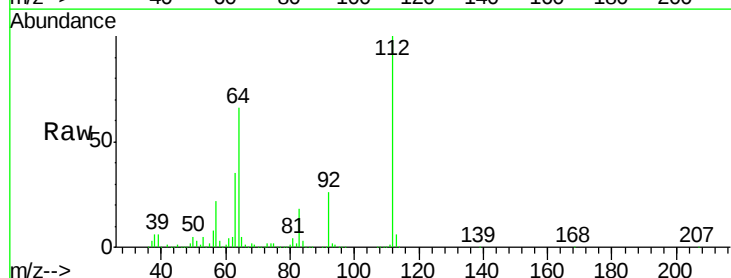
Tgt Ion:112 Resp: 1812678

Ion Ratio Lower Upper

112 100

64 65.8 58.1 87.1

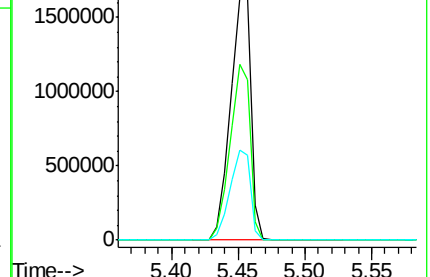
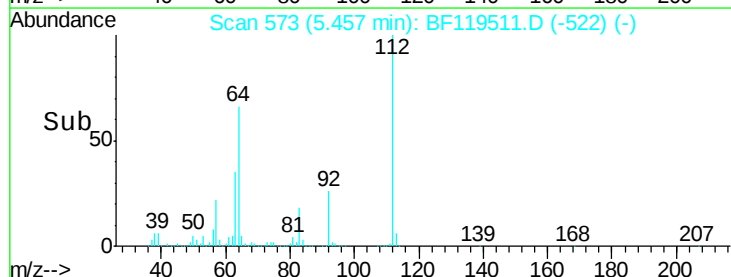
63 34.7 29.7 44.5

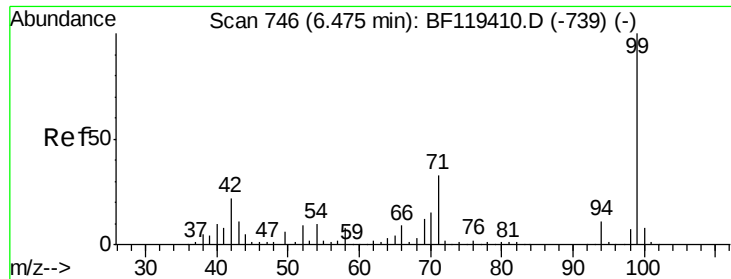


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.00 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Instrument :

BNA\_F

ClientSampleId :

FE-SB-29-(5.5-6)

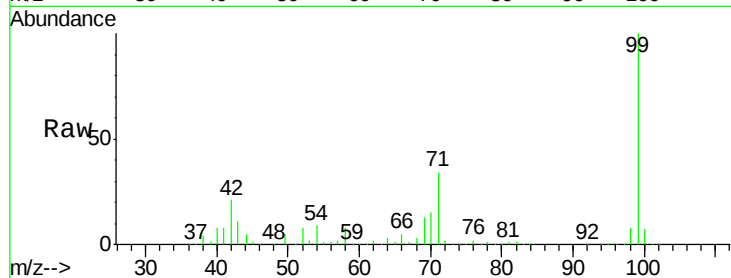
Tgt Ion: 99 Resp: 2347279

Ion Ratio Lower Upper

99 100

42 21.2 17.8 26.6

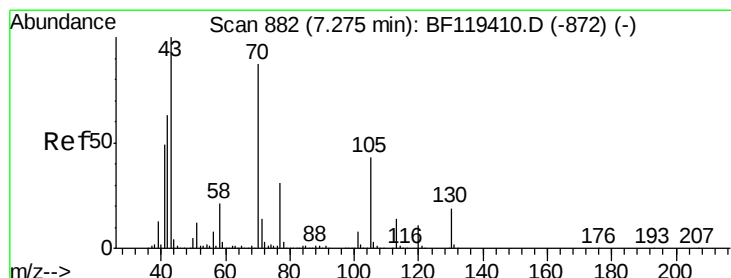
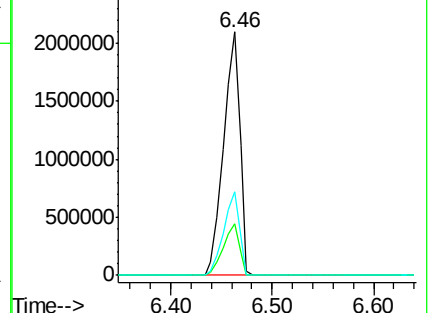
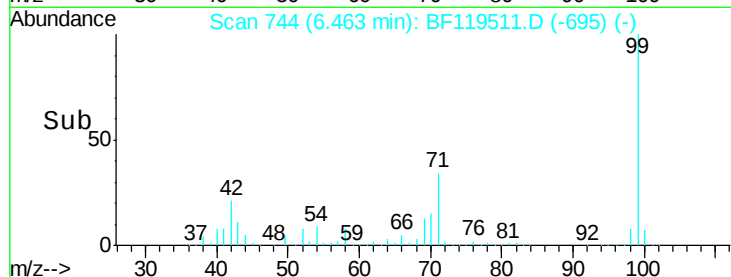
71 34.2 26.0 39.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.30 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.13 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Tgt Ion: 70 Resp: 194961

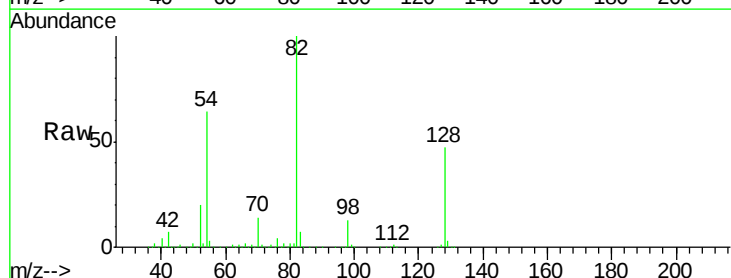
Ion Ratio Lower Upper

70 100

42 51.8 58.2 87.4#

101 0.0 7.4 11.2#

130 2.3 17.8 26.8#

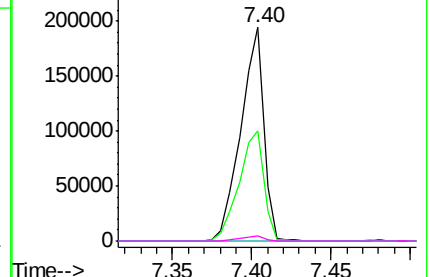
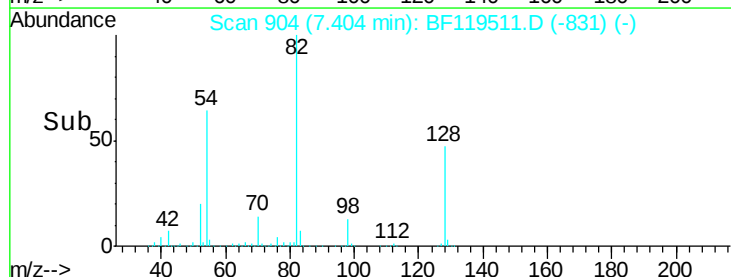


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

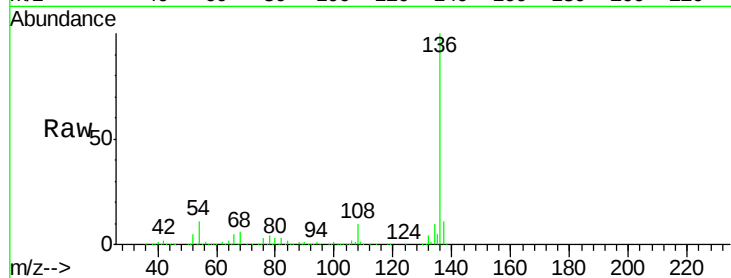




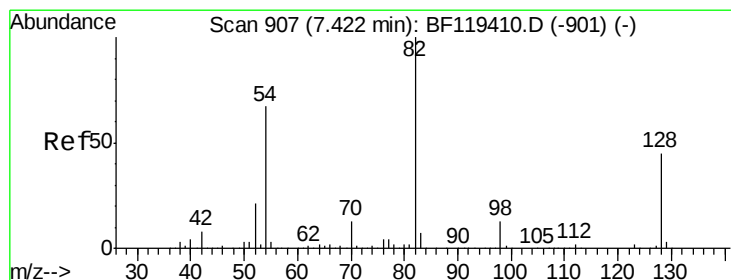
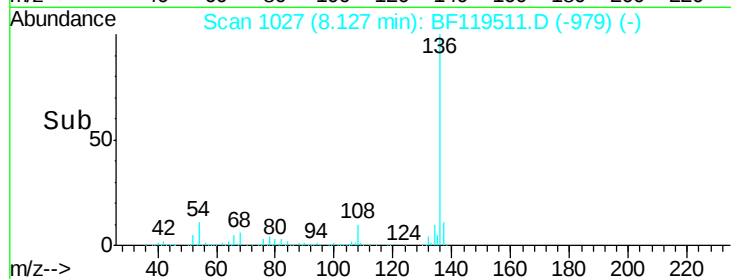
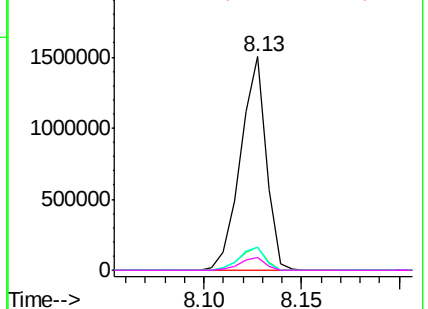
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BF119511.D  
Acq: 25 Mar 2020 18:40

Instrument :  
BNA\_F  
ClientSampleId :  
FE-SB-29-(5.5-6)

Tgt Ion:136 Resp: 1371435  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.4 12.6  
54 10.7 8.3 12.5  
68 5.8 4.9 7.3

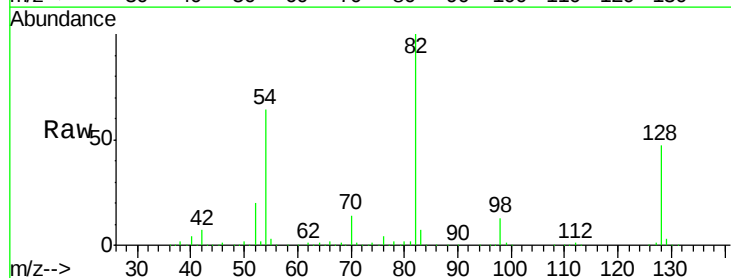


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

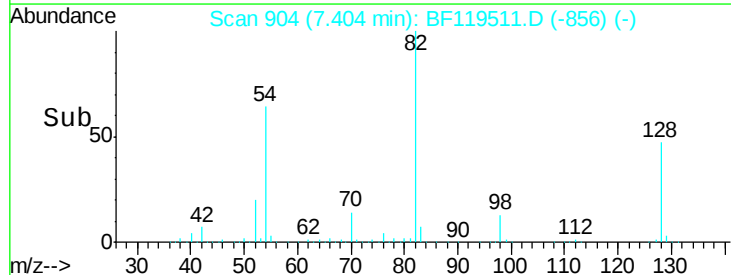
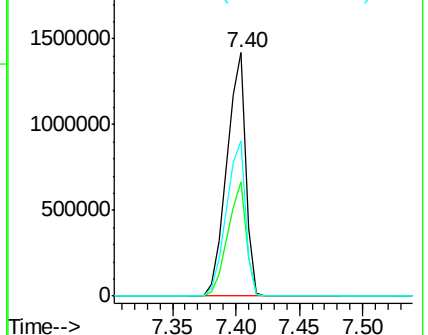


#23  
Nitrobenzene-d5  
Concen: 57.92 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.02 min  
Lab File: BF119511.D  
Acq: 25 Mar 2020 18:40

Tgt Ion: 82 Resp: 1461555  
Ion Ratio Lower Upper  
82 100  
128 46.9 35.8 53.8  
54 63.9 53.4 80.0



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: 28.39 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Instrument :

BNA\_F

ClientSampleId :

FE-SB-29-(5.5-6)

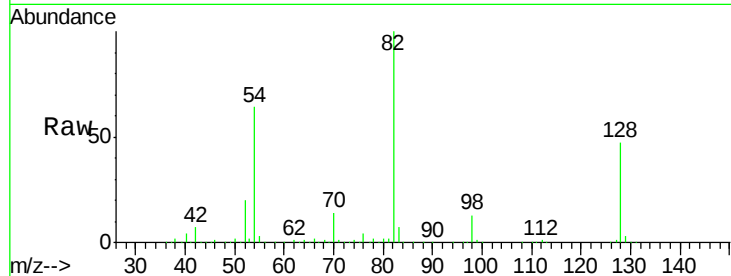
Tgt Ion: 82 Resp: 1453436

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

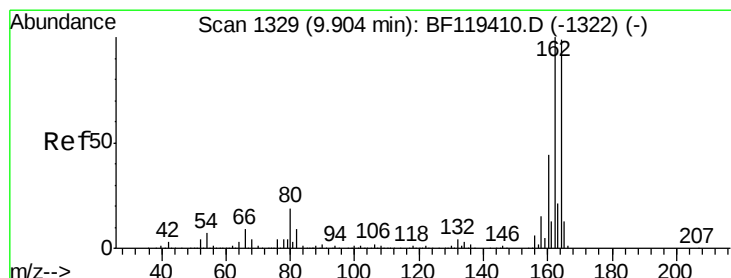
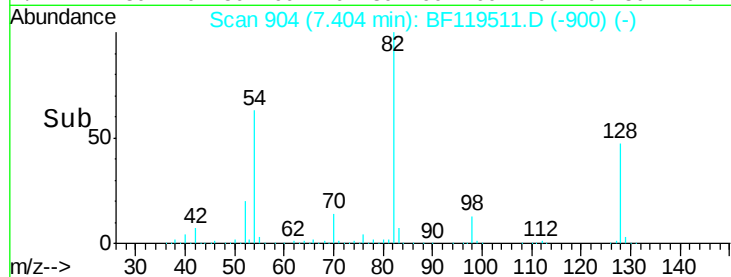
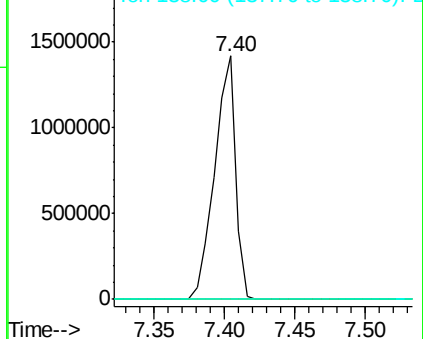
138 0.0 13.8 20.8#



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: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

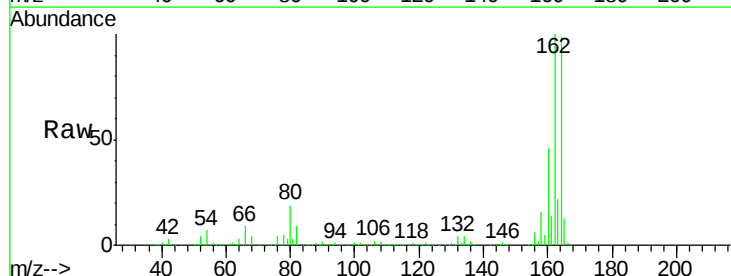
Tgt Ion: 164 Resp: 750899

Ion Ratio Lower Upper

164 100

162 101.1 80.7 121.1

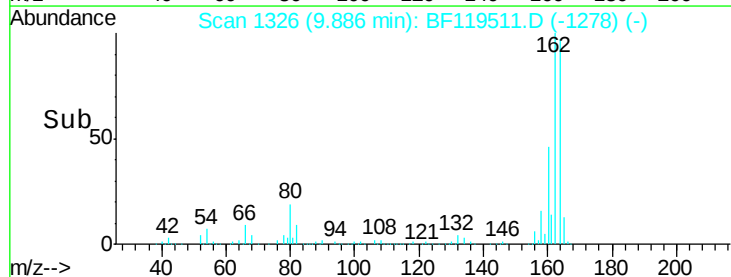
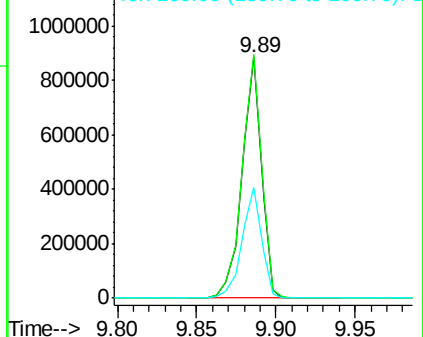
160 46.2 35.5 53.3



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

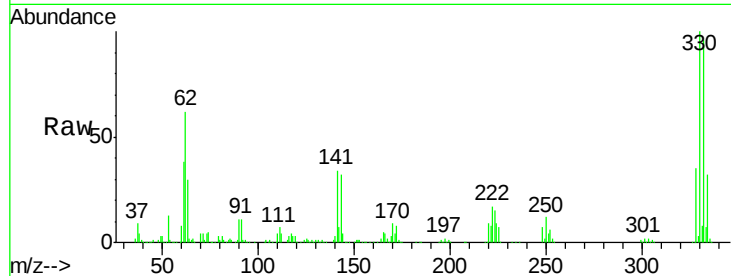




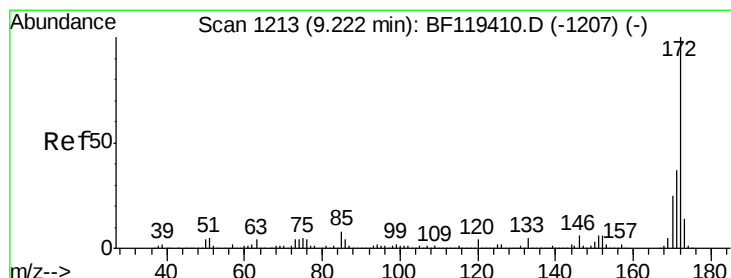
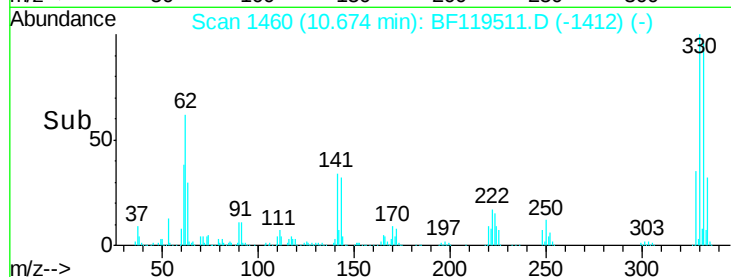
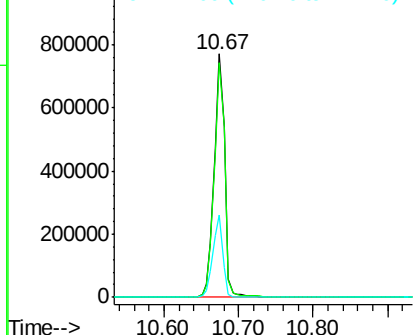
#42  
 2,4,6-Tribromophenol  
 Concen: 97.63 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.02 min  
 Lab File: BF119511.D  
 Acq: 25 Mar 2020 18:40

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FE-SB-29-(5.5-6)

Tgt Ion:330 Resp: 756321  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.6 116.4  
 141 31.7 26.6 40.0

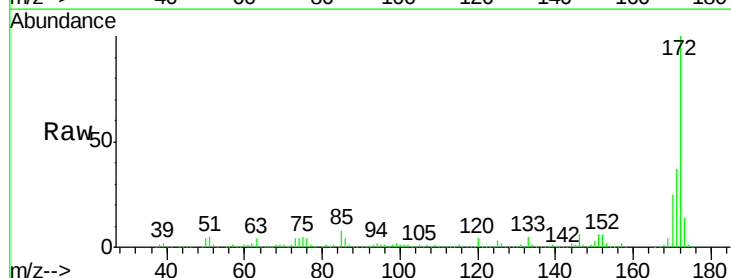


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

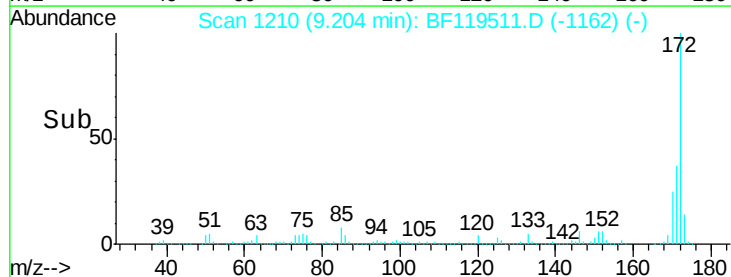
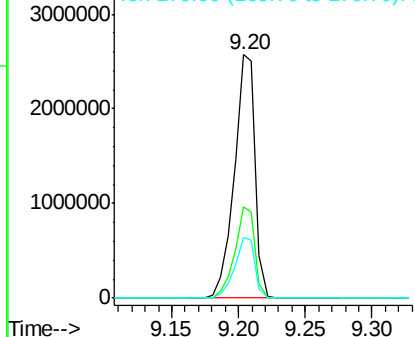


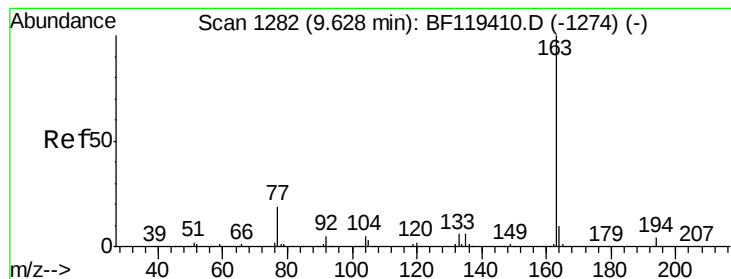
#45  
 2-Fluorobiphenyl  
 Concen: 55.32 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.02 min  
 Lab File: BF119511.D  
 Acq: 25 Mar 2020 18:40

Tgt Ion:172 Resp: 2803994  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 29.9 44.9  
 170 24.9 20.1 30.1



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





#50

Dimethylphthalate

Concen: 7.65 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Instrument :

BNA\_F

ClientSampleId :

FE-SB-29-(5.5-6)

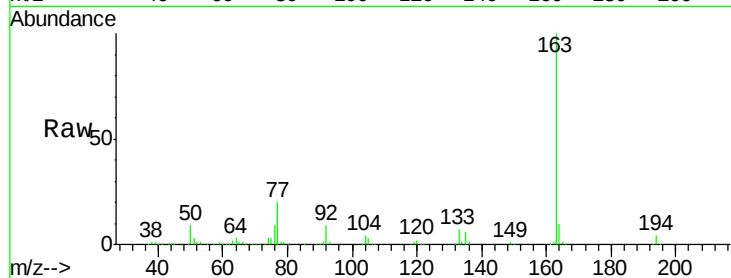
Tgt Ion:163 Resp: 407832

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

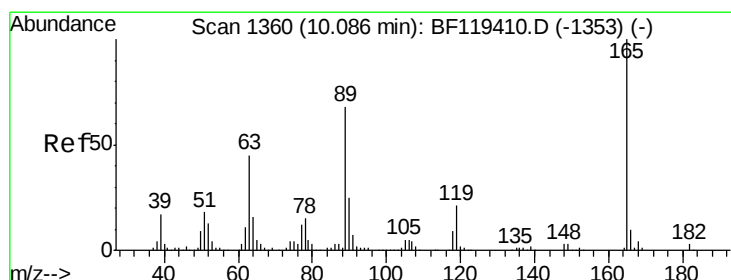
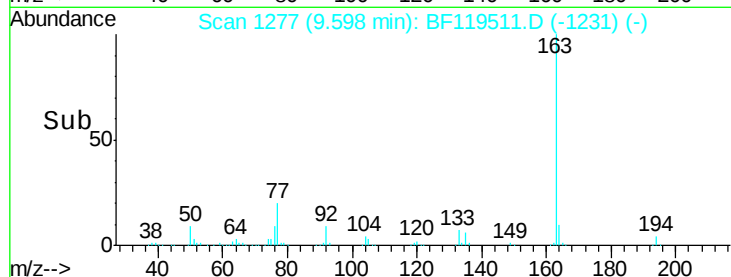
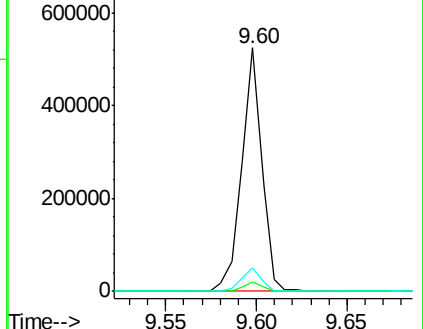
164 9.8 8.1 12.1



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



#57

2,4-Dinitrotoluene

Concen: 6.81 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Tgt Ion:165 Resp: 98018

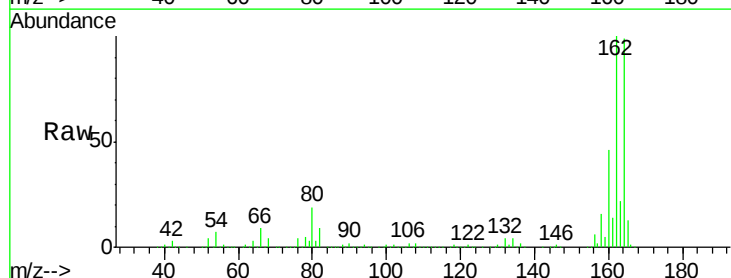
Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

89 1.4 54.3 81.5#

182 0.0 2.0 3.0#

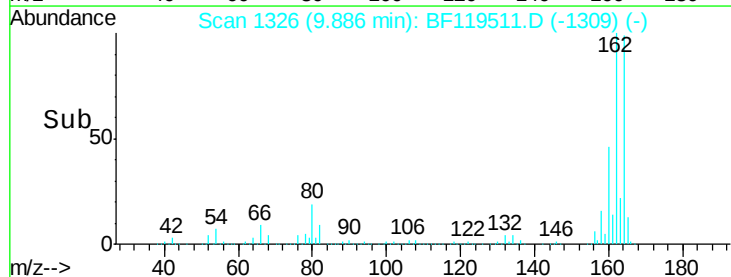
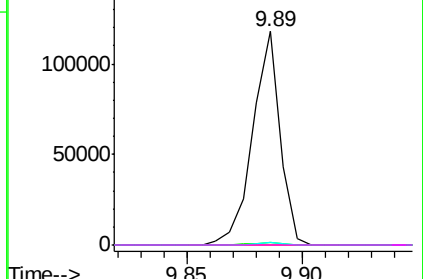


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

Instrument :

BNA\_F

ClientSampleId :

FE-SB-29-(5.5-6)

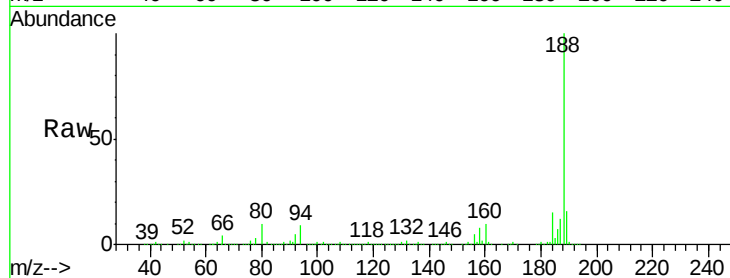
Tgt Ion:188 Resp: 1455413

Ion Ratio Lower Upper

188 100

94 9.2 7.1 10.7

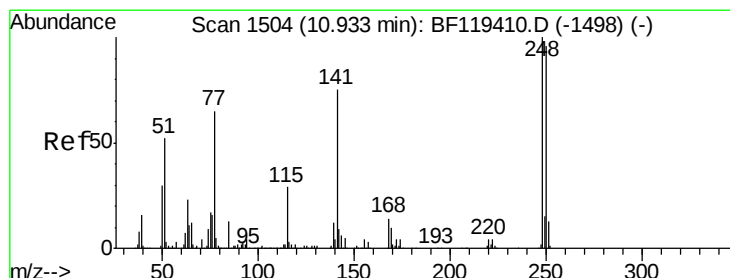
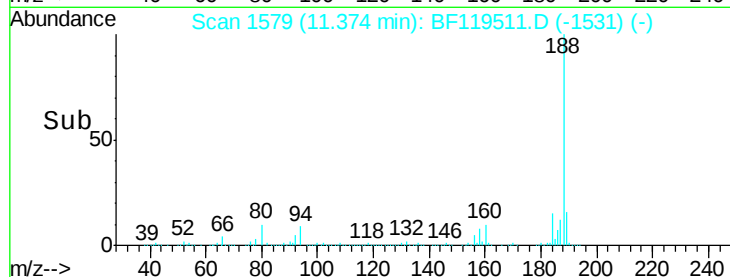
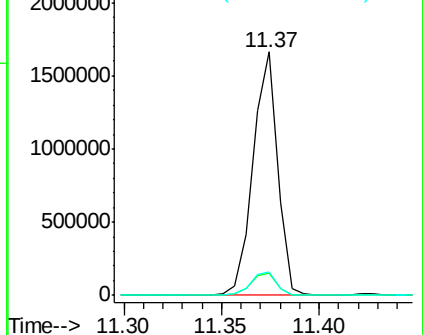
80 9.7 7.5 11.3



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



#67

4-Bromophenyl-phenylether

Concen: 2.81 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.26 min

Lab File: BF119511.D

Acq: 25 Mar 2020 18:40

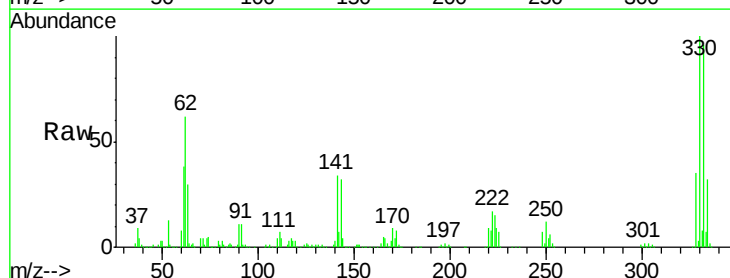
Tgt Ion:248 Resp: 46500

Ion Ratio Lower Upper

248 100

250 188.1 77.0 115.6#

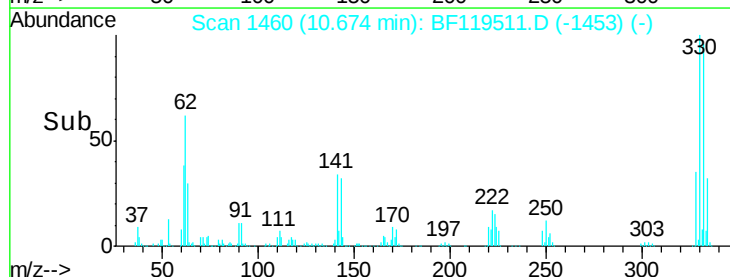
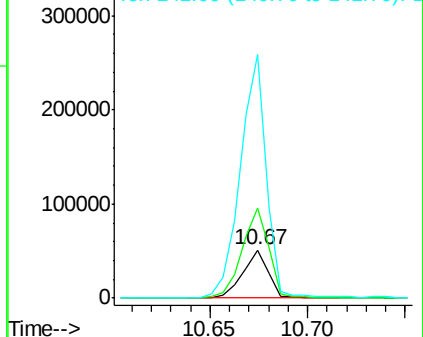
141 505.6 59.7 89.5#

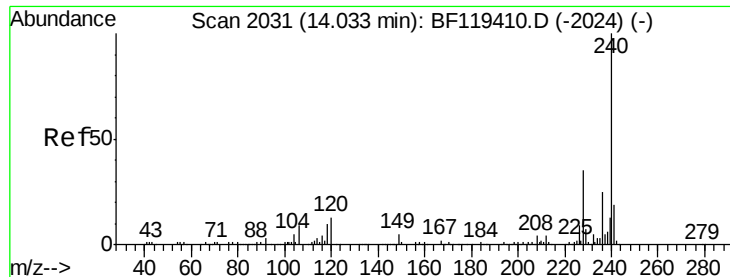


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

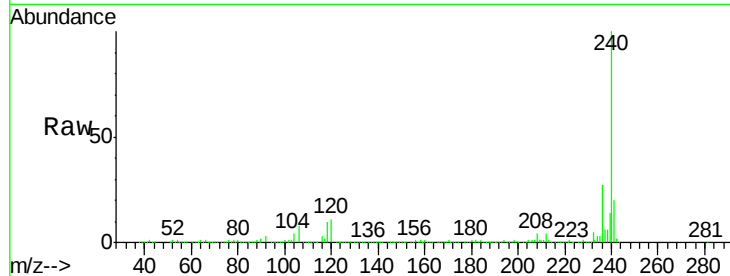




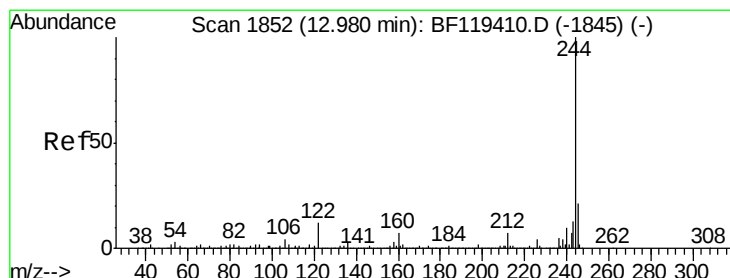
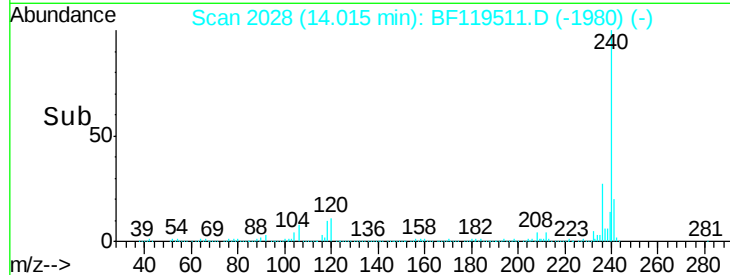
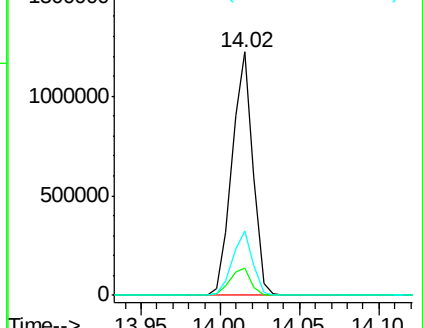
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.02 min  
Lab File: BF119511.D  
Acq: 25 Mar 2020 18:40

Instrument :  
BNA\_F  
ClientSampleId :  
FE-SB-29-(5.5-6)

Tgt Ion:240 Resp: 1111270  
Ion Ratio Lower Upper  
240 100  
120 11.3 10.2 15.4  
236 26.7 20.4 30.6

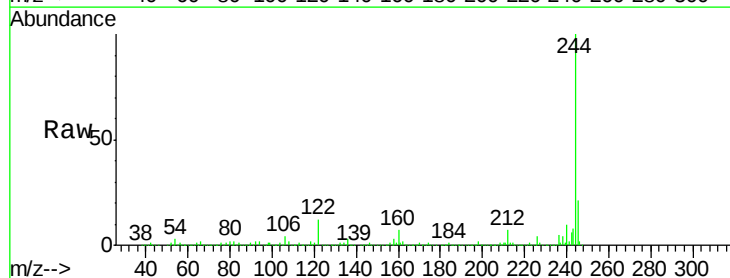


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

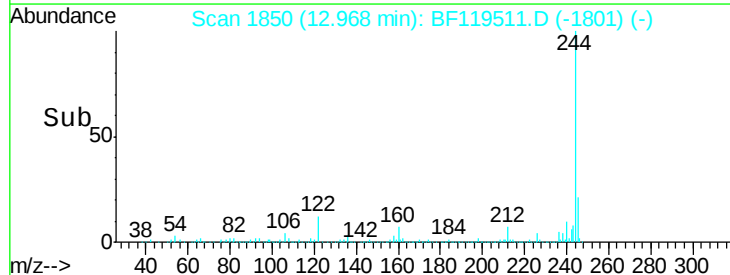
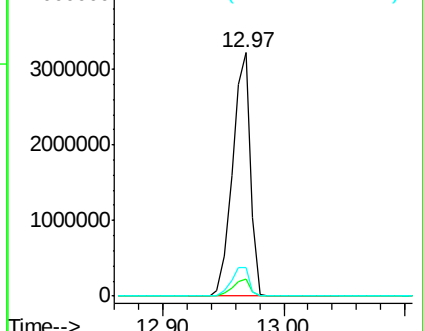


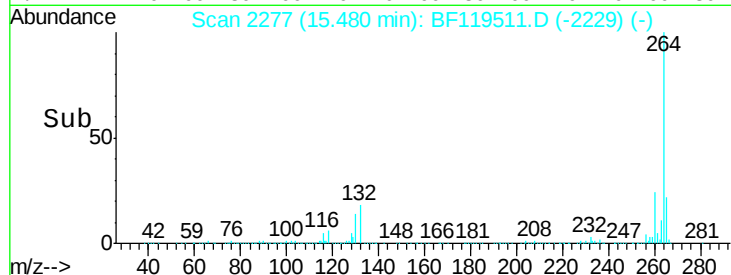
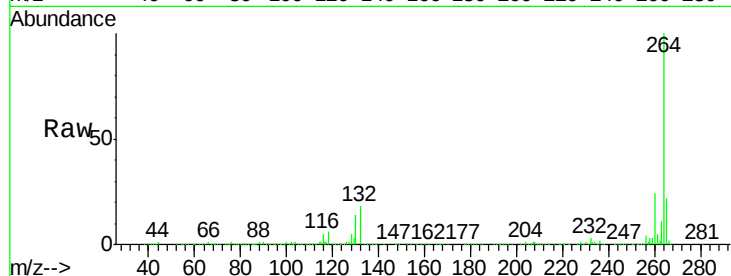
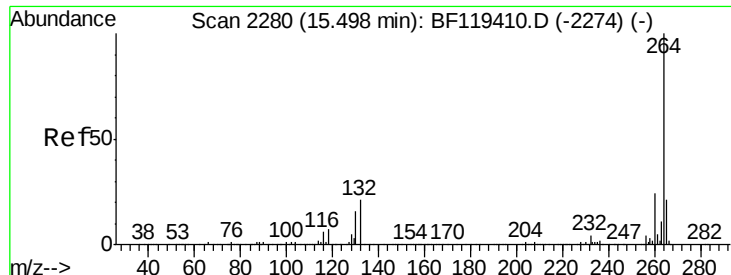
#79  
Terphenyl-d14  
Concen: 57.94 ng  
RT: 12.97 min Scan# 1850  
Delta R.T. -0.01 min  
Lab File: BF119511.D  
Acq: 25 Mar 2020 18:40

Tgt Ion:244 Resp: 3286287  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.7 8.5  
122 11.7 9.8 14.8



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: 20.00 ng  
RT: 15.48 min Scan# 2277  
Delta R.T. -0.02 min  
Lab File: BF119511.D  
Acq: 25 Mar 2020 18:40

Instrument :  
BNA\_F  
ClientSampleId :  
FE-SB-29-(5.5-6)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 927741 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.8  | 19.2  | 28.8   |
| 265      | 22.3  | 16.9  | 25.3   |

