

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF012919\  
 Data File : BF112299.D  
 Acq On : 29 Jan 2019 17:06  
 Operator : JU/SJ  
 Sample : K1260-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EL-EAST-OF-JDHS

Quant Time: Jan 30 00:09:24 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.84  | 152  | 169002   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.12  | 136  | 624641   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.87  | 164  | 273679   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 447266   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.00 | 240  | 389198   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.47 | 264  | 372738   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.47  | 112  | 441966   | 55.55 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 358447   | 32.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 920974   | 84.95 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 261613   | 82.12 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1673577  | 86.49 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 1289811  | 62.42 | ng    | 0.00     |

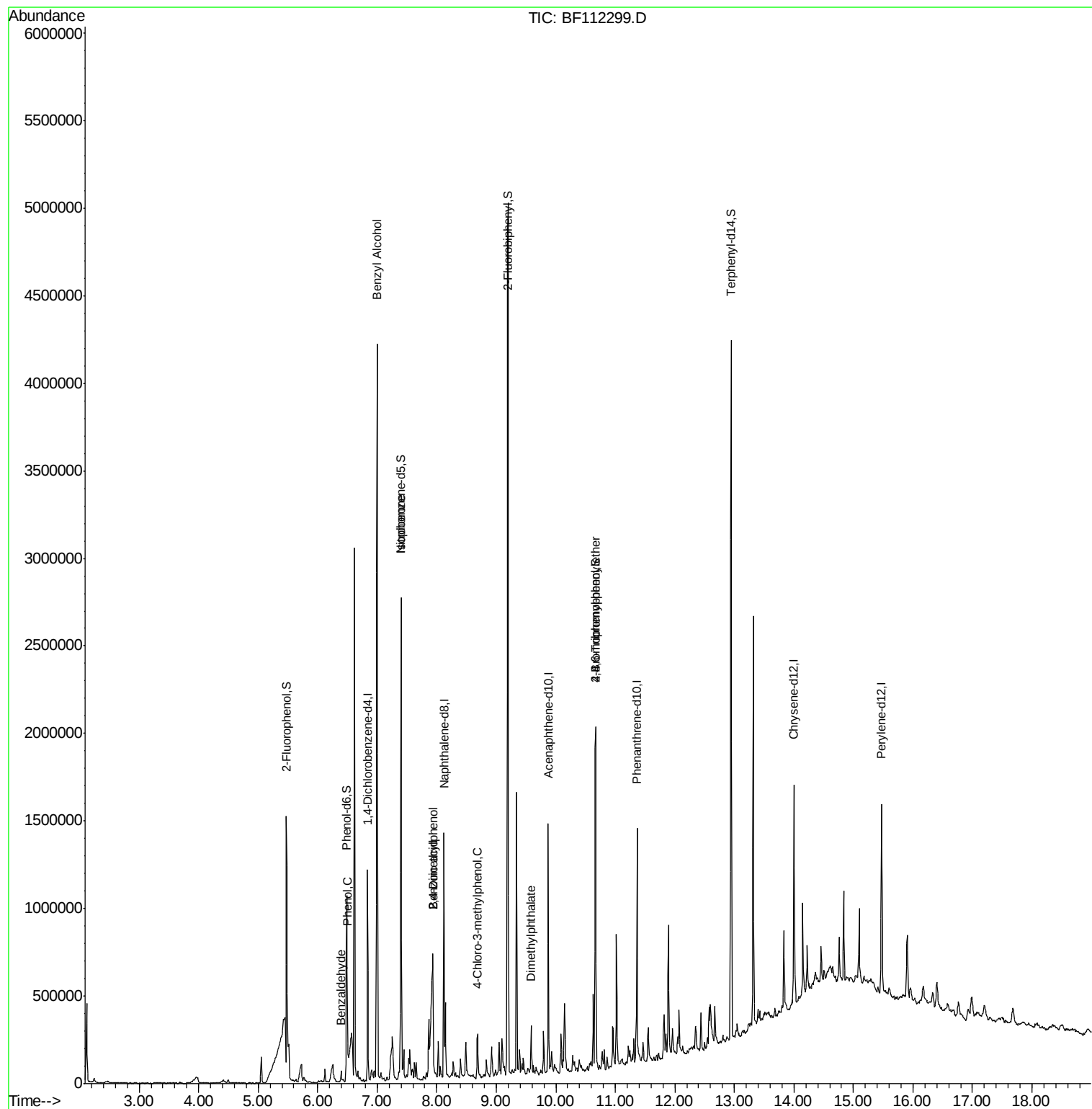
| Target Compounds              | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|-------|------|----------|--------|-------|--------|
| 9) Benzaldehyde               | 6.39  | 77   | 14991    | 2.594  | ng    | 100    |
| 10) Phenol                    | 6.50  | 94   | 38158    | 3.146  | ng    | 82     |
| 15) Benzyl Alcohol            | 6.99  | 79   | 40913    | 4.390  | ng    | # 82   |
| 25) Isophorone                | 7.40  | 82   | 913952   | 53.740 | ng    | # 64   |
| 27) 2,4-Dimethylphenol        | 7.94  | 122  | 141918   | 17.803 | ng    | # 15   |
| 32) Benzoic acid              | 7.94  | 122  | 141918   | 31.210 | ng    | 97     |
| 36) 4-Chloro-3-methylphenol   | 8.69  | 107  | 59930    | 6.346  | ng    | 97     |
| 50) Dimethylphthalate         | 9.59  | 163  | 102640   | 4.827  | ng    | 97     |
| 67) 4-Bromophenyl-phenylether | 10.67 | 248  | 16340    | 3.106  | ng    | # 1    |

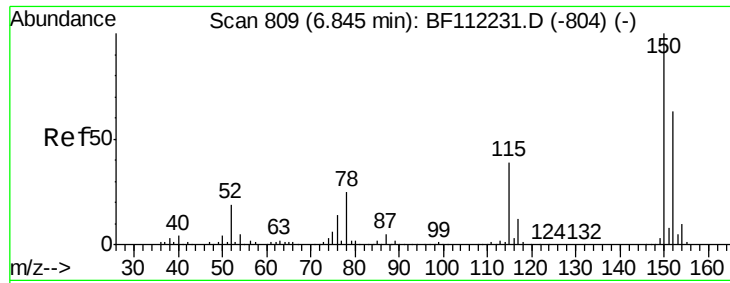
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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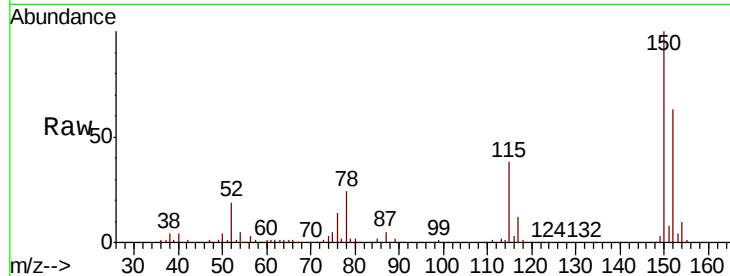




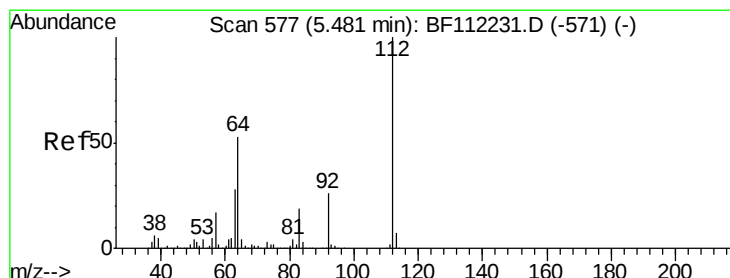
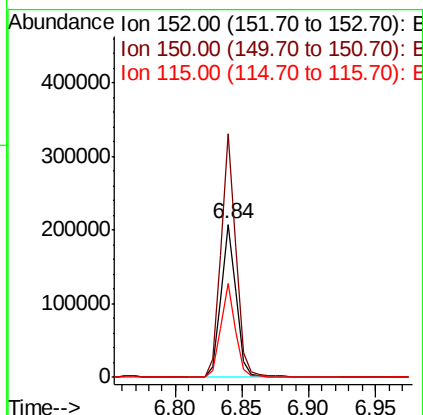
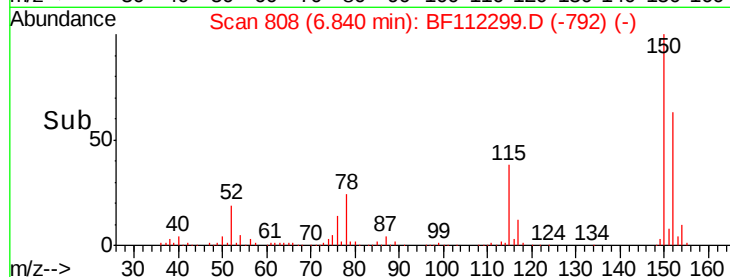
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.84 min Scan# 808  
 Delta R.T. -0.01 min  
 Lab File: BF112299.D  
 Acq: 29 Jan 2019 17:06

Instrument :  
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Tgt Ion:152 Resp: 169002  
 Ion Ratio Lower Upper  
 152 100  
 150 158.9 127.4 191.0  
 115 61.0 45.5 68.3

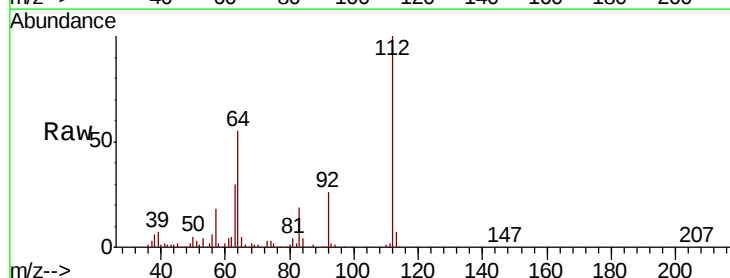


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

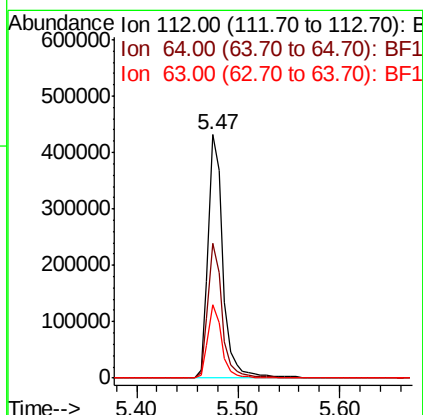
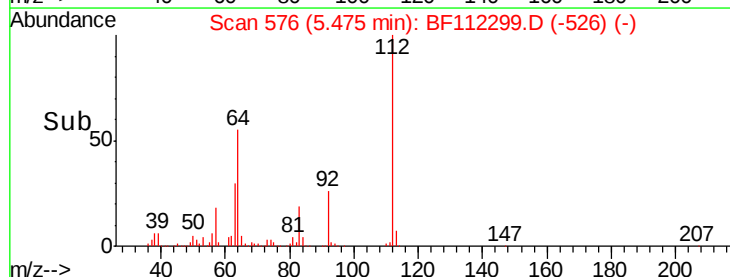


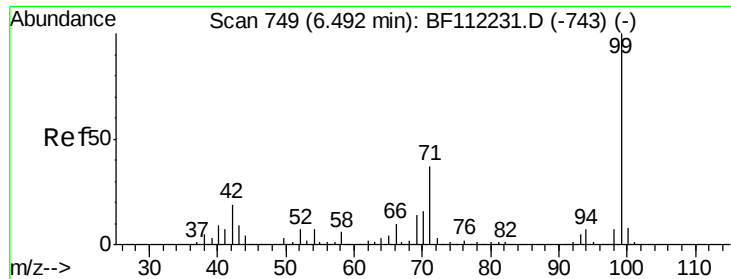
#5  
 2-Fluorophenol  
 Concen: 55.548 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. -0.01 min  
 Lab File: BF112299.D  
 Acq: 29 Jan 2019 17:06

Tgt Ion:112 Resp: 441966  
 Ion Ratio Lower Upper  
 112 100  
 64 55.1 45.7 68.5  
 63 29.9 23.6 35.4



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: 32.421 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

Instrument :

BNA\_F

ClientSampleId :

EL-EAST-OF-JDHS

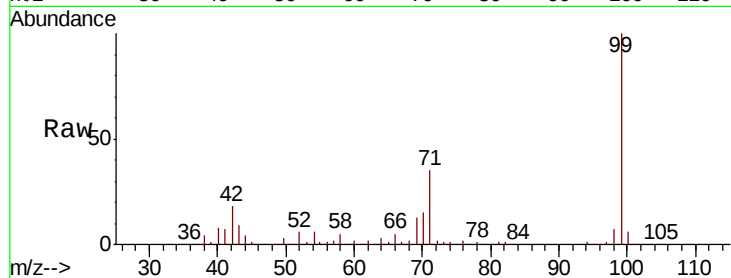
Tgt Ion: 99 Resp: 358447

Ion Ratio Lower Upper

99 100

42 17.6 15.1 22.7

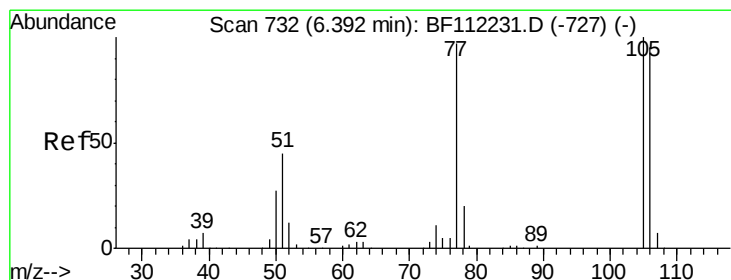
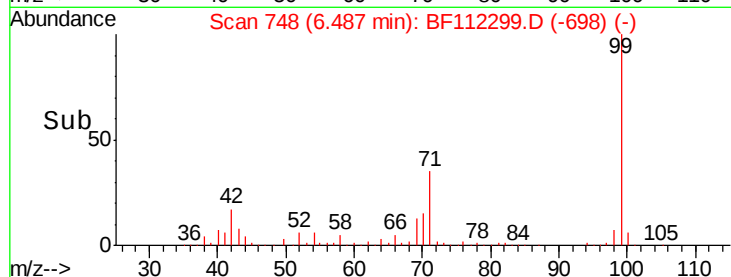
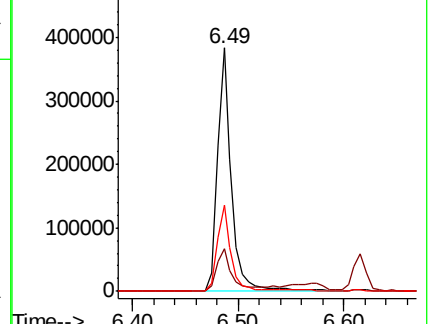
71 35.3 26.9 40.3



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



#9

Benzaldehyde

Concen: 2.594 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

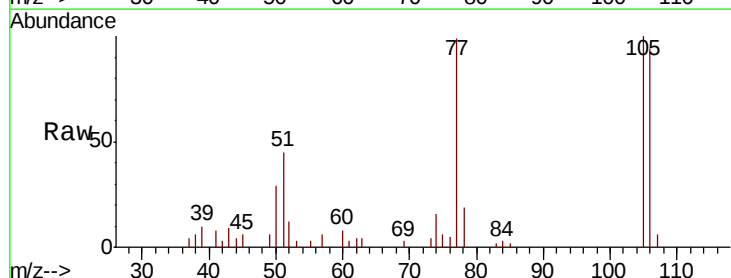
Tgt Ion: 77 Resp: 14991

Ion Ratio Lower Upper

77 100

105 100.7 80.8 120.8

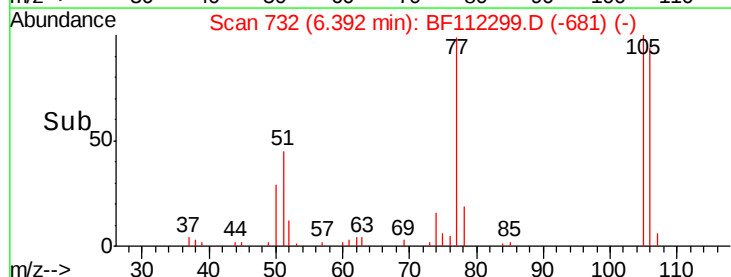
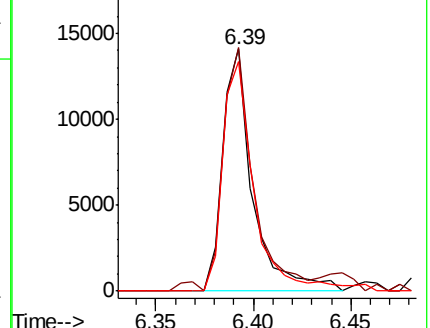
106 95.1 75.7 115.7

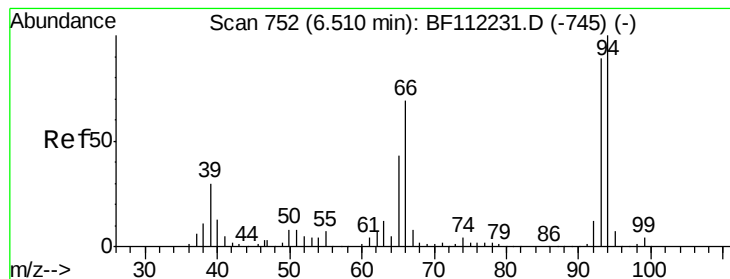


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.146 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

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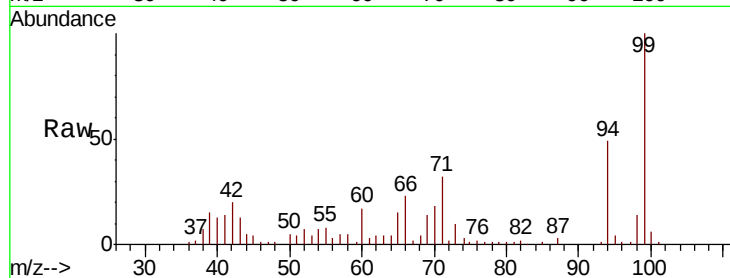
Tgt Ion: 94 Resp: 38158

Ion Ratio Lower Upper

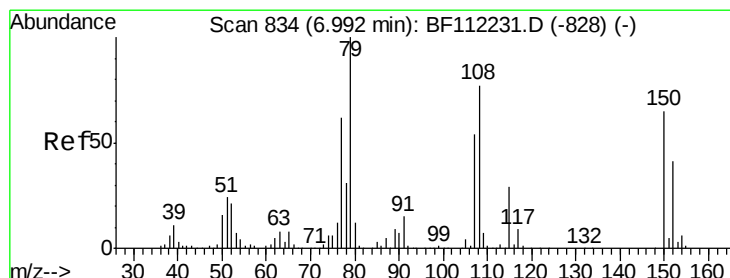
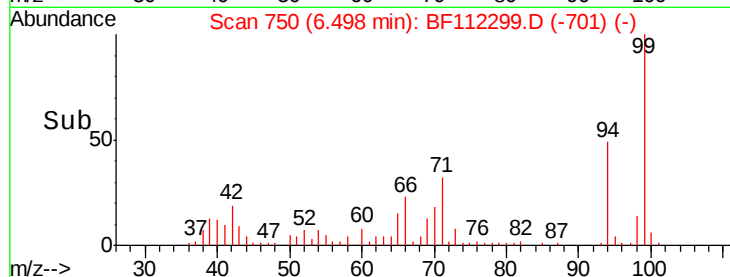
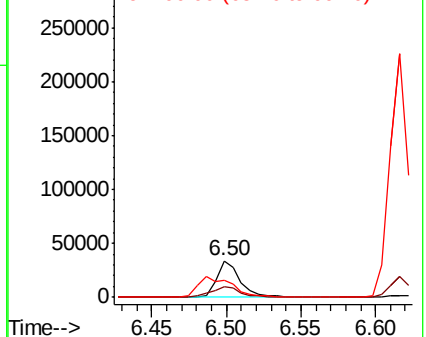
94 100

65 30.2 20.3 60.3

66 47.8 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 4.390 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

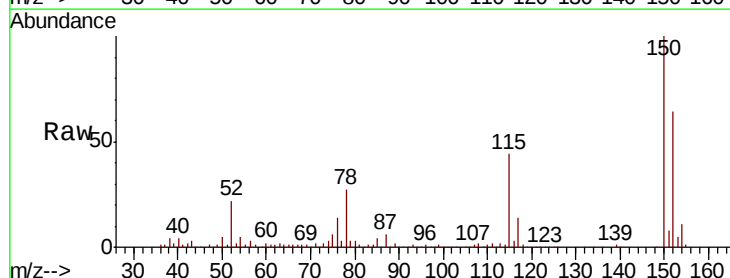
Tgt Ion: 79 Resp: 40913

Ion Ratio Lower Upper

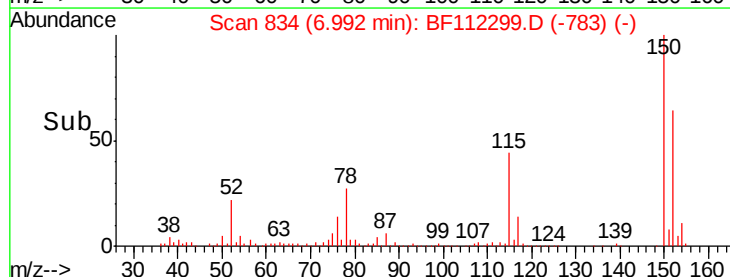
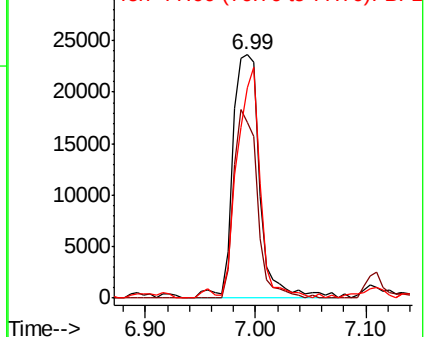
79 100

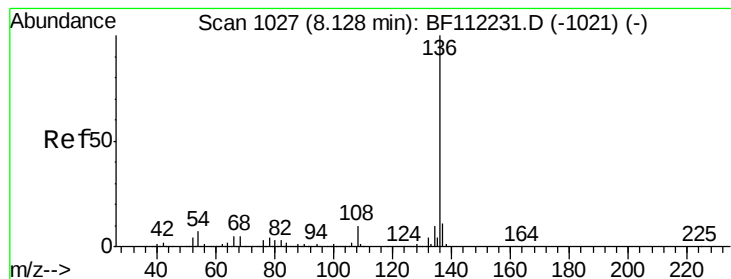
108 72.4 64.2 96.2

77 86.2 50.3 75.5#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

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Tgt Ion: 136 Resp: 624641

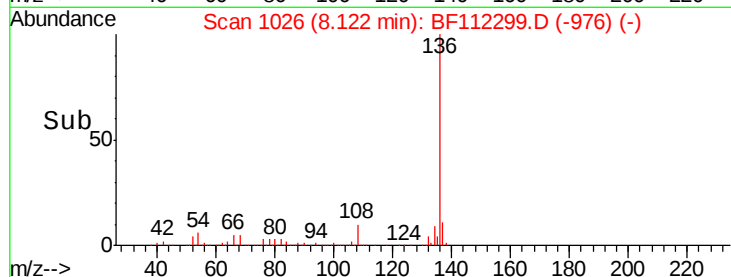
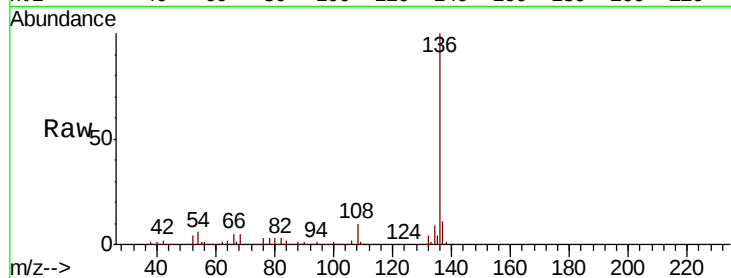
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.3 5.9 8.9

68 4.8 5.1 7.7#

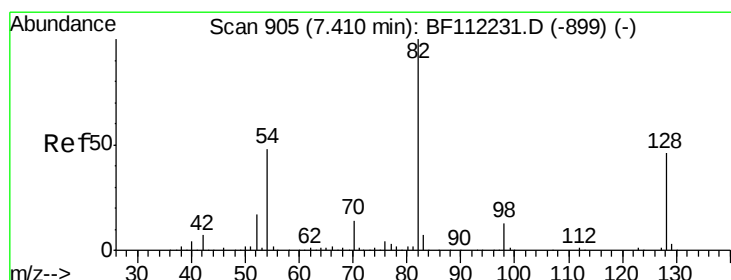
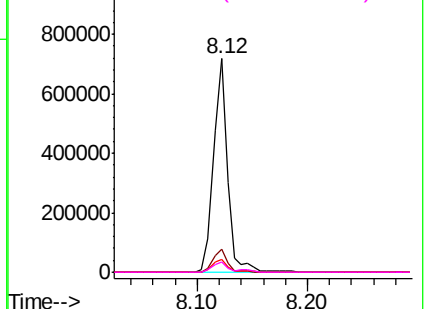


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.955 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

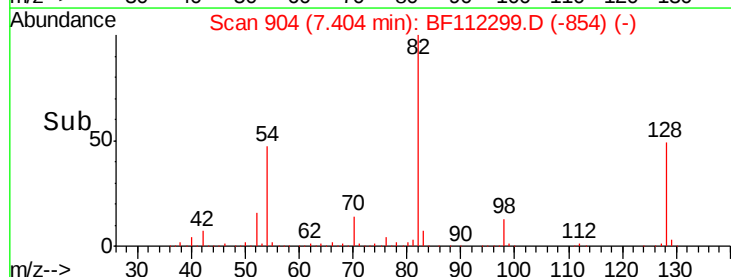
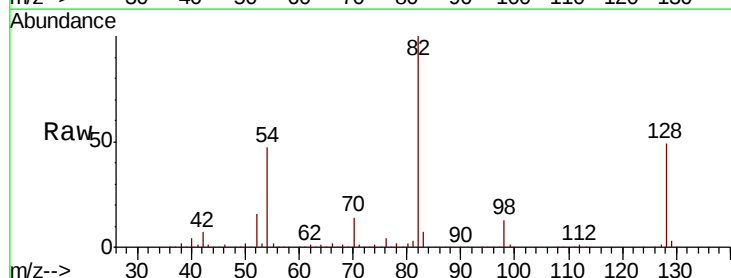
Tgt Ion: 82 Resp: 920974

Ion Ratio Lower Upper

82 100

128 48.6 37.8 56.8

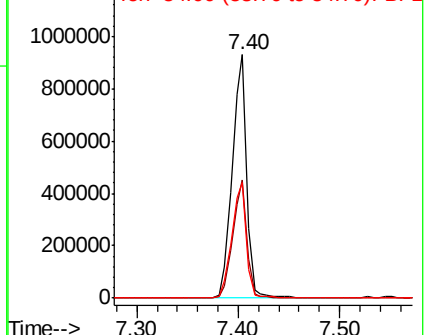
54 47.3 39.7 59.5

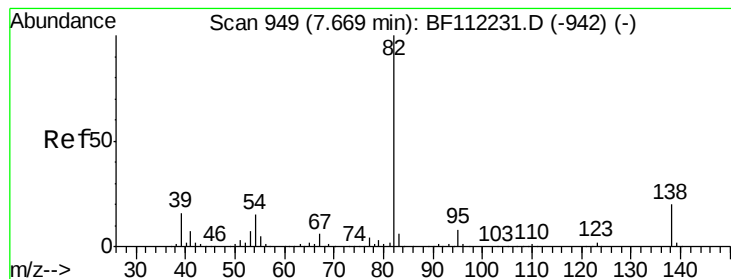


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.740 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF112299.D

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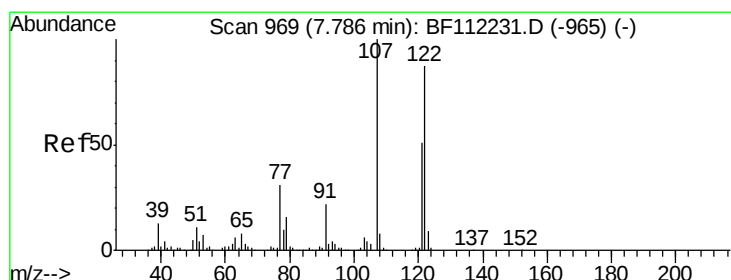
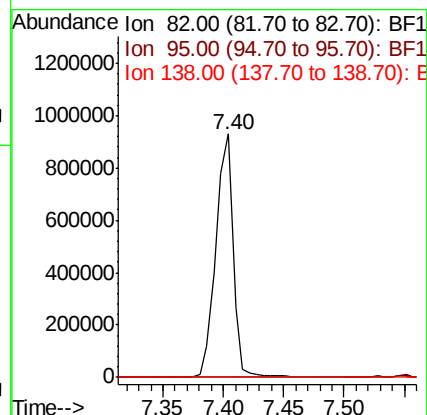
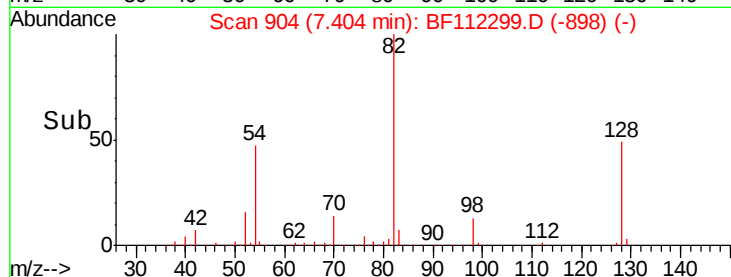
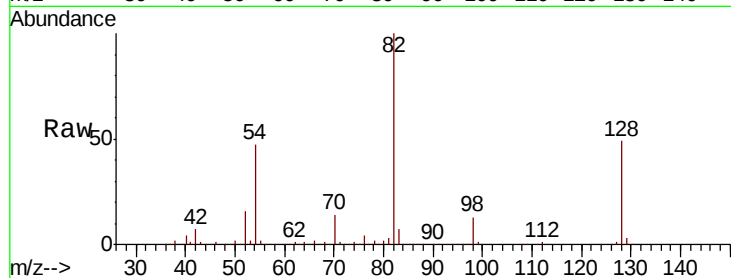
Tgt Ion: 82 Resp: 913952

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



#27

2,4-Dimethylphenol

Concen: 17.803 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.15 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

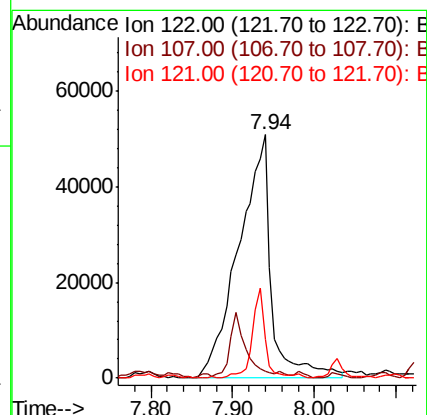
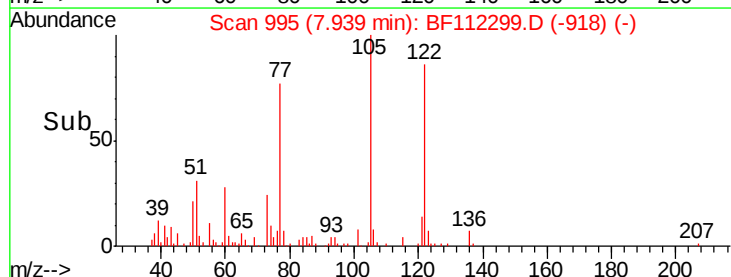
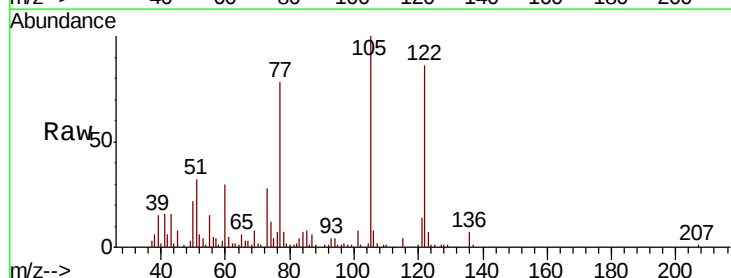
Tgt Ion: 122 Resp: 141918

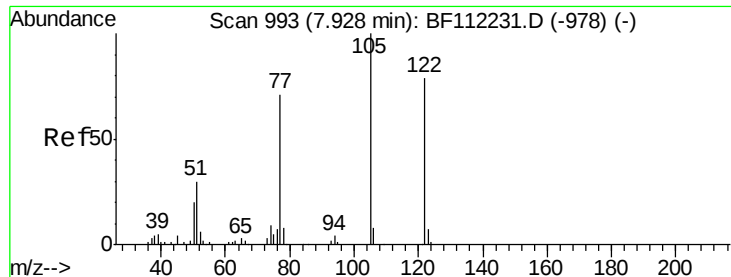
Ion Ratio Lower Upper

122 100

107 2.6 85.4 128.0#

121 15.8 47.0 70.4#





#32

Benzoic acid

Concen: 31.210 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.01 min

Lab File: BF112299.D

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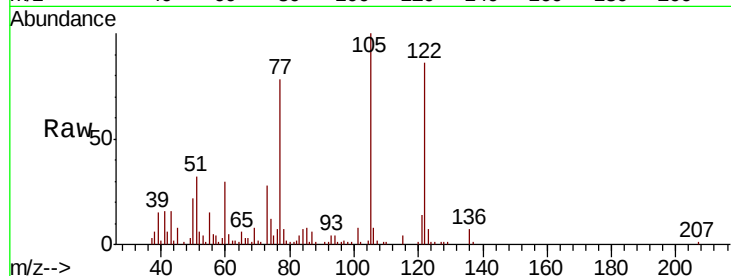
Tgt Ion:122 Resp: 141918

Ion Ratio Lower Upper

122 100

105 115.8 101.2 141.2

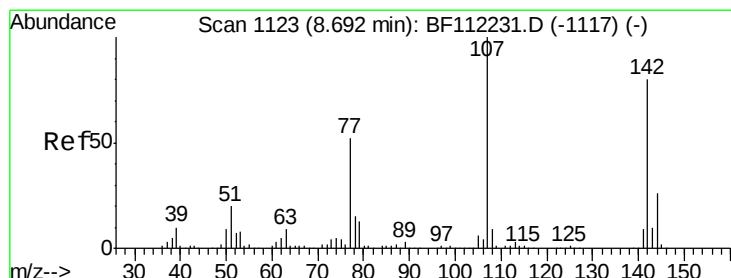
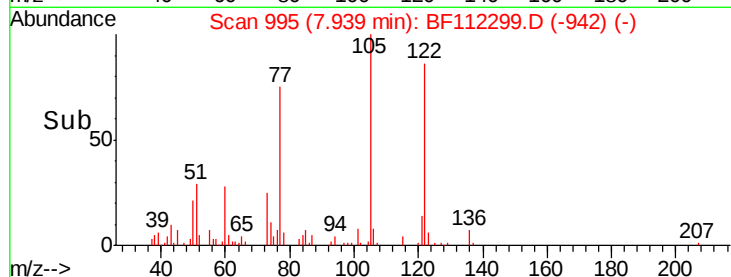
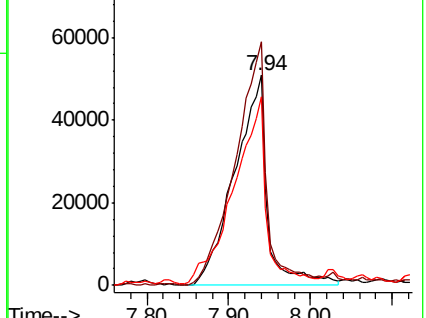
77 90.0 70.4 110.4



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



#36

4-Chloro-3-methylphenol

Concen: 6.346 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

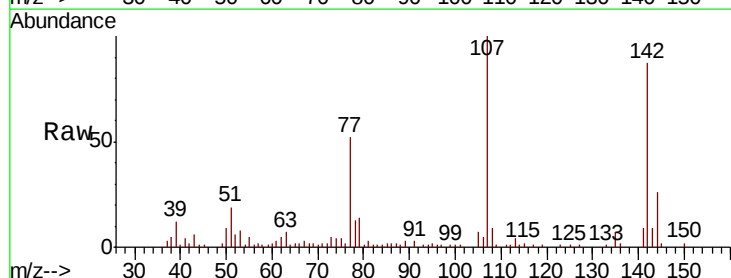
Tgt Ion:107 Resp: 59930

Ion Ratio Lower Upper

107 100

144 26.0 22.2 33.2

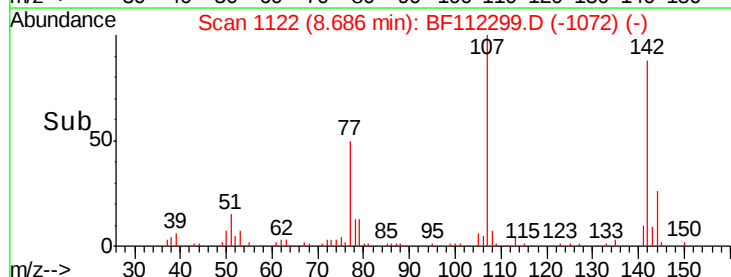
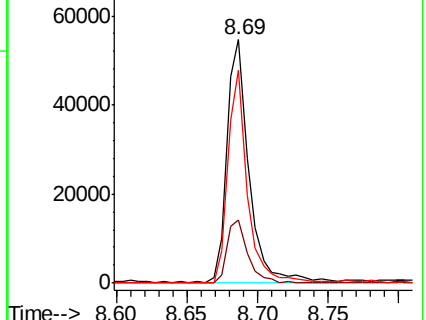
142 87.2 67.7 101.5

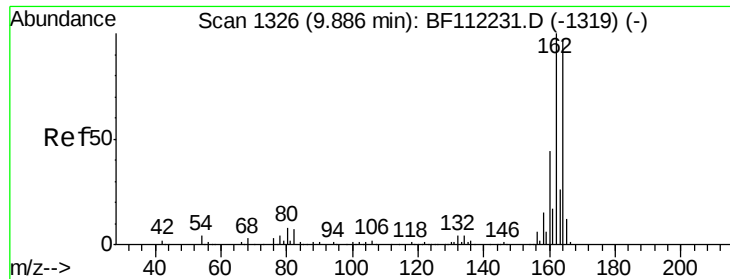


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

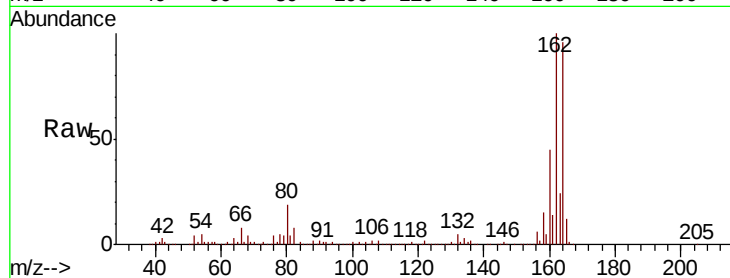




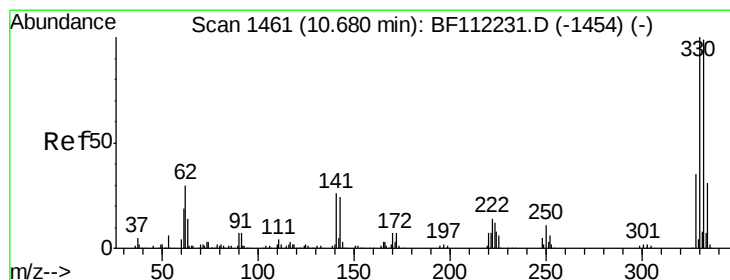
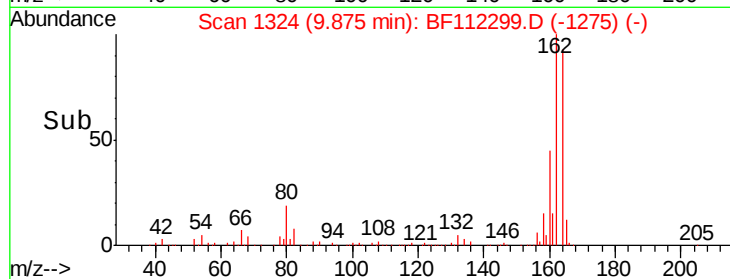
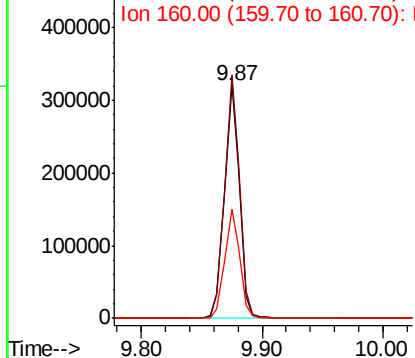
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF112299.D  
Acq: 29 Jan 2019 17:06

Instrument :  
BNA\_F  
ClientSampleId :  
EL-EAST-OF-JDHS

Tgt Ion:164 Resp: 273679  
Ion Ratio Lower Upper  
164 100  
162 104.3 82.2 123.4  
160 46.8 36.2 54.4

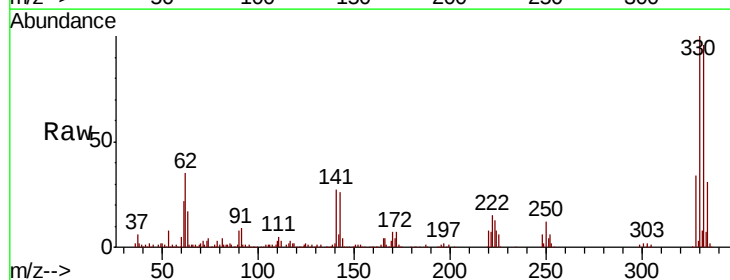


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

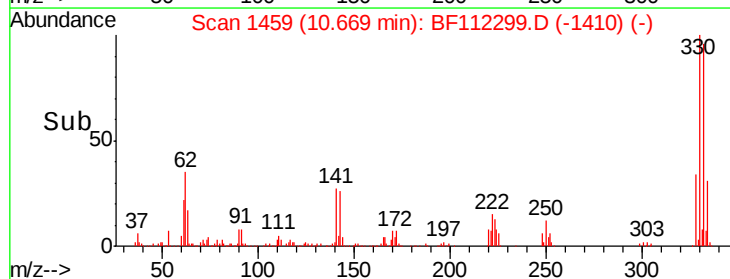
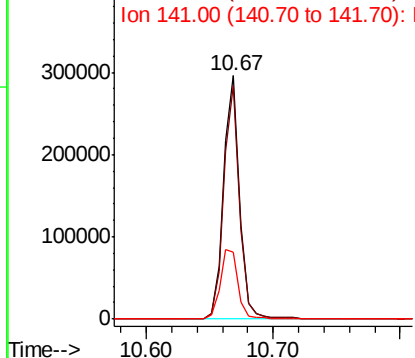


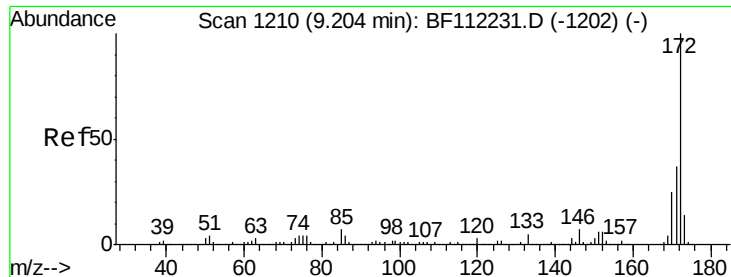
#42  
2,4,6-Tribromophenol  
Concen: 82.125 ng  
RT: 10.67 min Scan# 1459  
Delta R.T. -0.01 min  
Lab File: BF112299.D  
Acq: 29 Jan 2019 17:06

Tgt Ion:330 Resp: 261613  
Ion Ratio Lower Upper  
330 100  
332 95.1 76.6 114.8  
141 32.4 24.3 36.5



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

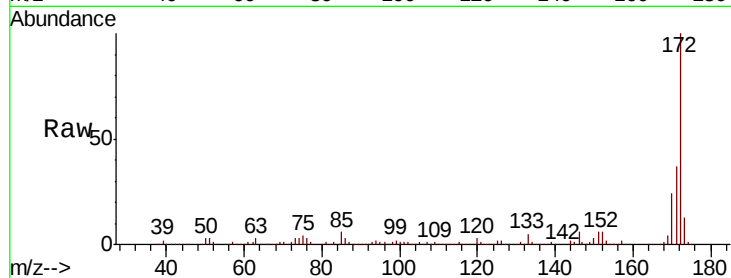




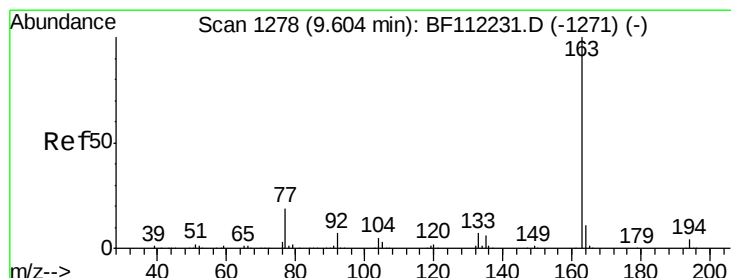
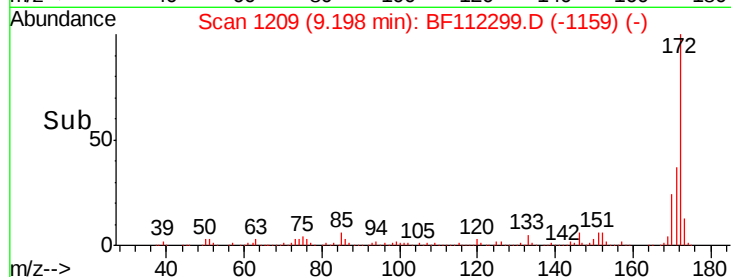
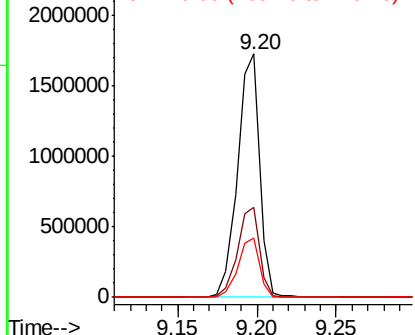
#45  
2-Fluorobiphenyl  
Concen: 86.488 ng  
RT: 9.20 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BF112299.D  
Acq: 29 Jan 2019 17:06

Instrument :  
BNA\_F  
ClientSampleId :  
EL-EAST-OF-JDHS

Tgt Ion:172 Resp: 1673577  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.5 45.7  
170 24.4 20.2 30.4

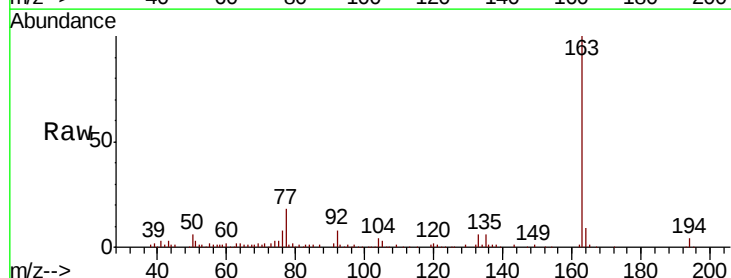


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

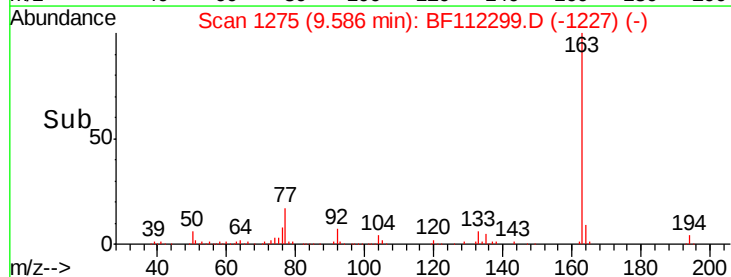
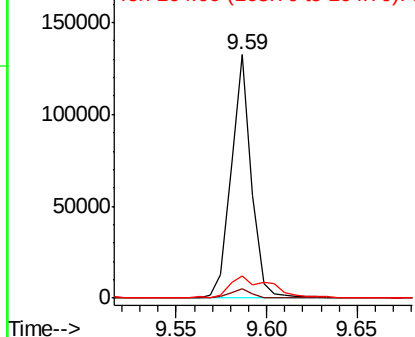


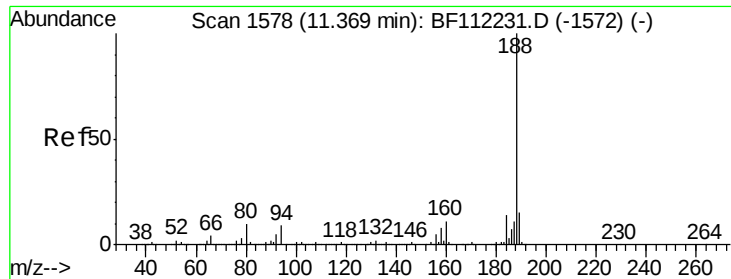
#50  
Dimethylphthalate  
Concen: 4.827 ng  
RT: 9.59 min Scan# 1275  
Delta R.T. -0.02 min  
Lab File: BF112299.D  
Acq: 29 Jan 2019 17:06

Tgt Ion:163 Resp: 102640  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 9.1 8.5 12.7



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

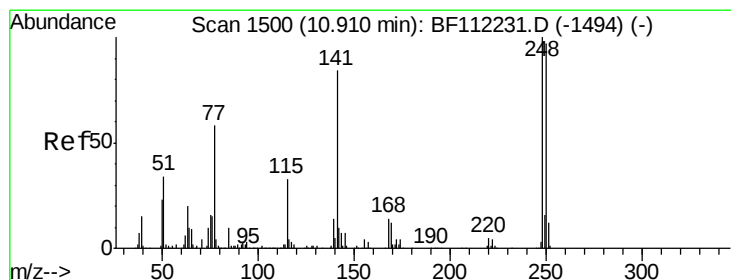
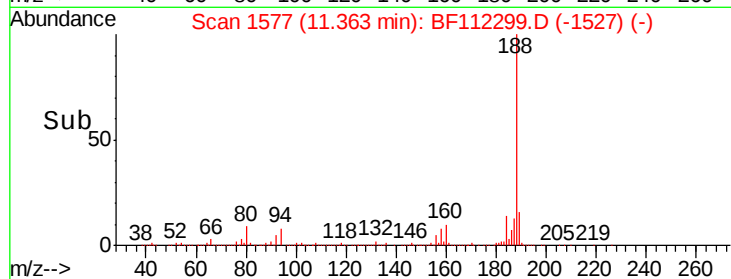
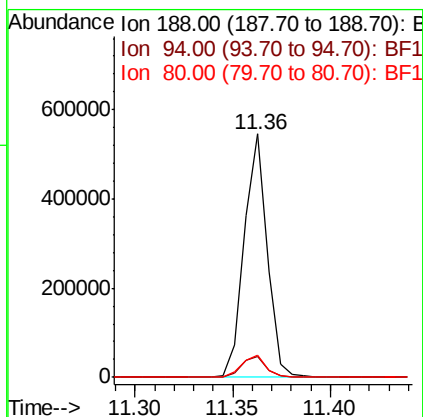
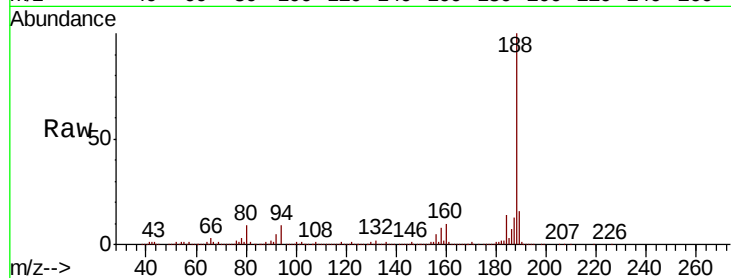




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF112299.D  
 Acq: 29 Jan 2019 17:06

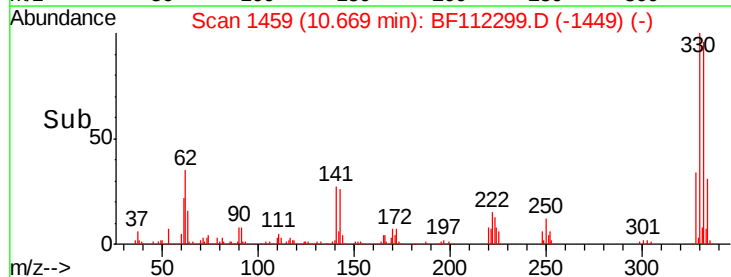
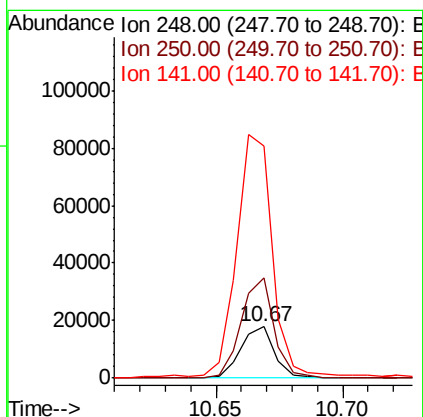
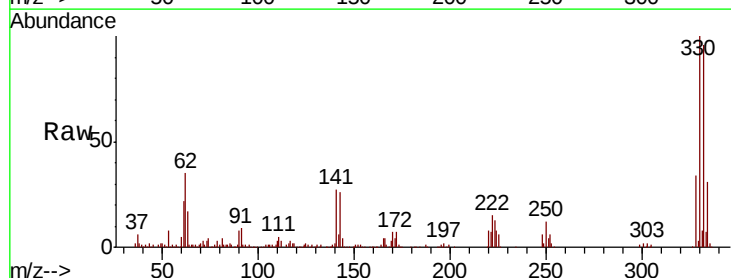
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EL-EAST-OF-JDHS

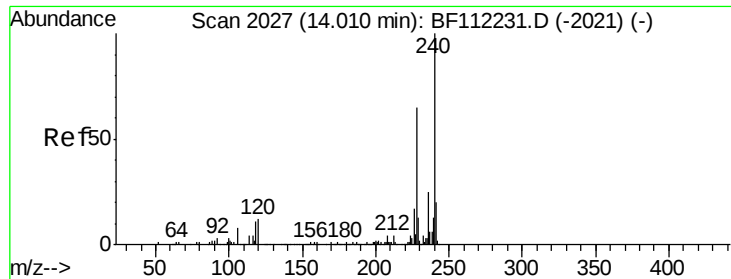
Tgt Ion:188 Resp: 447266  
 Ion Ratio Lower Upper  
 188 100  
 94 8.5 8.2 12.2  
 80 8.9 8.9 13.3



#67  
 4-Bromophenyl-phenylether  
 Concen: 3.106 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.24 min  
 Lab File: BF112299.D  
 Acq: 29 Jan 2019 17:06

Tgt Ion:248 Resp: 16340  
 Ion Ratio Lower Upper  
 248 100  
 250 195.7 79.7 119.5#  
 141 455.3 60.3 90.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

Instrument :

BNA\_F

ClientSampleId :

EL-EAST-OF-JDHS

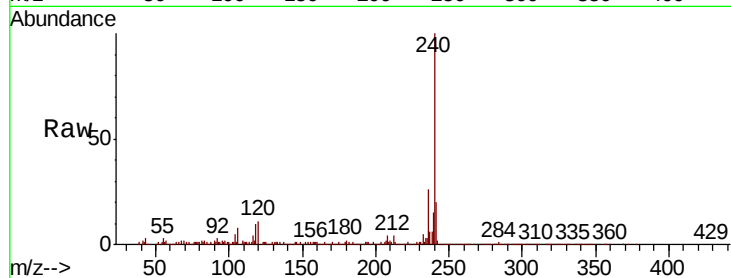
Tgt Ion:240 Resp: 389198

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.6

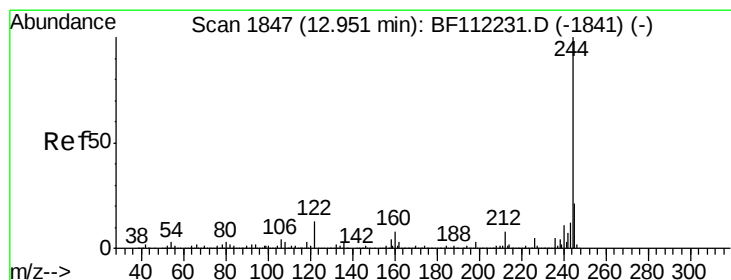
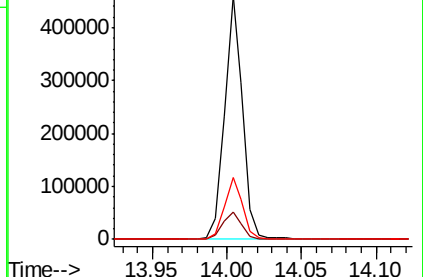
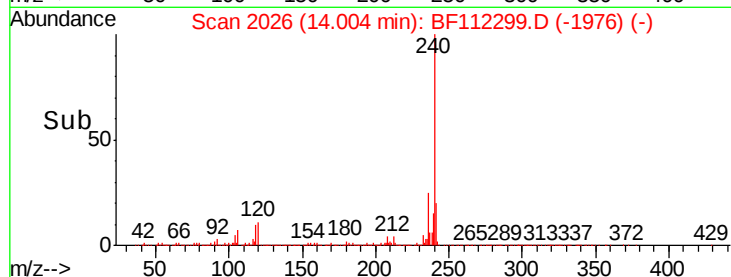
236 25.6 20.7 31.1



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



#79

Terphenyl-d14

Concen: 62.418 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112299.D

Acq: 29 Jan 2019 17:06

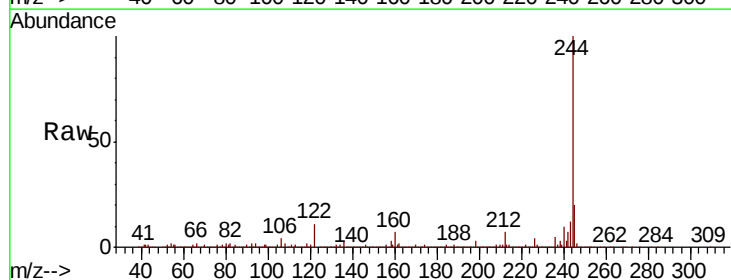
Tgt Ion:244 Resp: 1289811

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

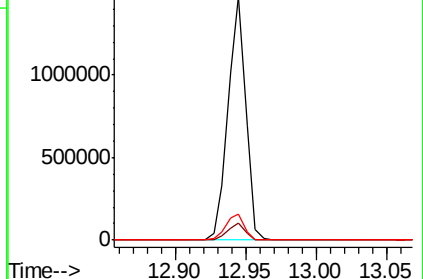
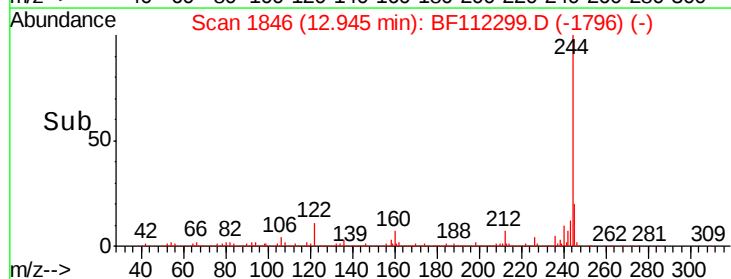
122 10.9 9.8 14.6

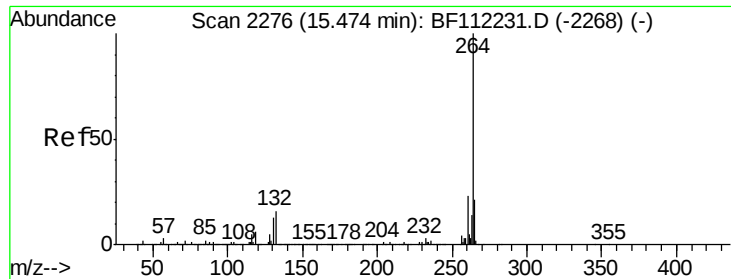


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.47 min Scan# 2276  
Delta R.T. 0.00 min  
Lab File: BF112299.D  
Acq: 29 Jan 2019 17:06

Instrument :  
BNA\_F  
ClientSampleId :  
EL-EAST-OF-JDHS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.2  | 27.2  |
| 265     | 21.6  | 17.0  | 25.4  |

