

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010219\  
 Data File : BE098602.D  
 Acq On : 2 Jan 2019 10:59  
 Operator : SJ/JU  
 Sample : PB116071BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jan 02 11:36:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 02 10:30:27 2019  
 Response via : Initial Calibration

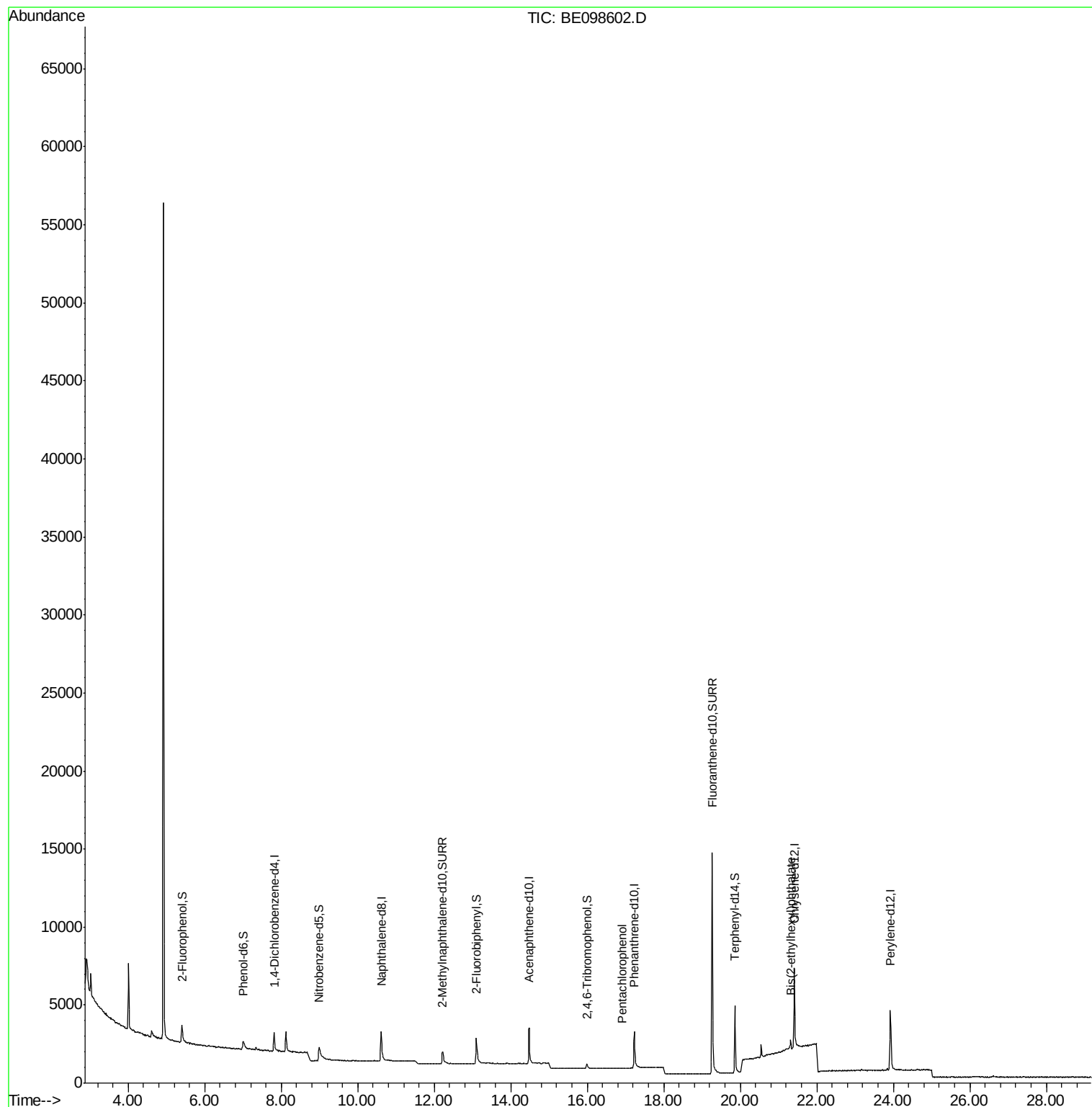
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.82  | 152  | 822      | 0.40  | ng    | 0.01     |
| 7) Naphthalene-d8              | 10.61 | 136  | 3238     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.49 | 164  | 2011     | 0.40  | ng    | 0.02     |
| 19) Phenanthrene-d10           | 17.23 | 188  | 4903     | 0.40  | ng    | 0.01     |
| 27) Chrysene-d12               | 21.41 | 240  | 6198     | 0.40  | ng    | 0.01     |
| 34) Perylene-d12               | 23.92 | 264  | 6288     | 0.40  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.41  | 112  | 873      | 0.45  | ng    | 0.02     |
| 5) Phenol-d6                   | 7.01  | 99   | 978      | 0.36  | ng    | 0.02     |
| 8) Nitrobenzene-d5             | 8.99  | 82   | 896      | 0.30  | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10    | 12.22 | 152  | 1791     | 0.34  | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol       | 15.99 | 330  | 273      | 0.37  | ng    | 0.02     |
| 15) 2-Fluorobiphenyl           | 13.10 | 172  | 2523     | 0.30  | ng    | 0.02     |
| 25) Fluoranthene-d10           | 19.26 | 212  | 23202    | 0.37  | ng    | 0.01     |
| 29) Terphenyl-d14              | 19.86 | 244  | 4902     | 0.33  | ng    | 0.01     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.91 | 266  | 30       | 0.085 | ng    | # 73     |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149  | 909      | 0.025 | ng    | # 91     |

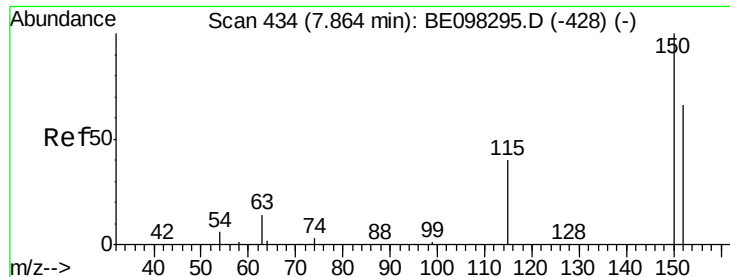
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_E  
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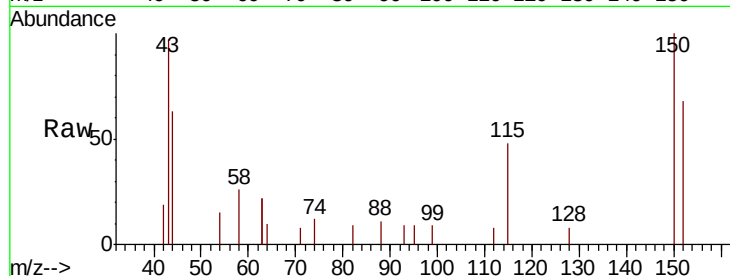


#1

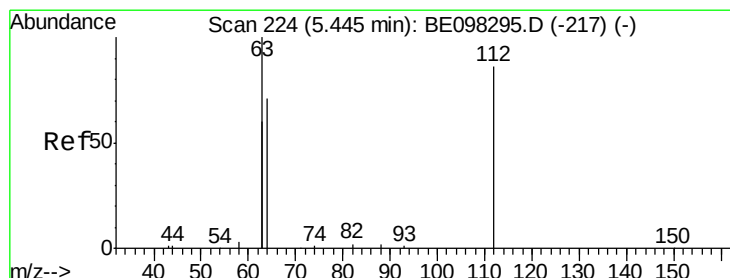
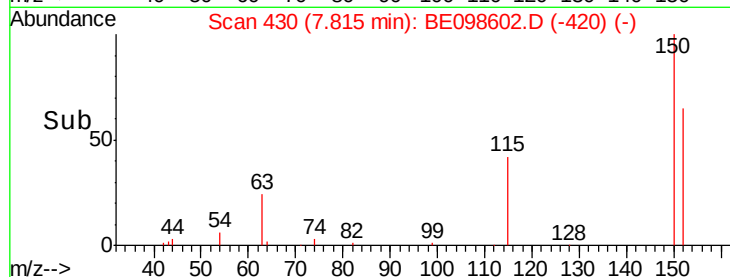
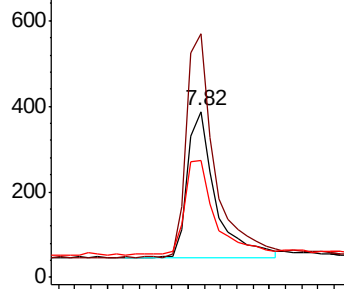
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. 0.01 min  
Lab File: BE098602.D  
Acq: 2 Jan 2019 10:59

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 822  
Ion Ratio Lower Upper  
152 100  
150 146.6 124.2 186.4  
115 70.4 53.9 80.9



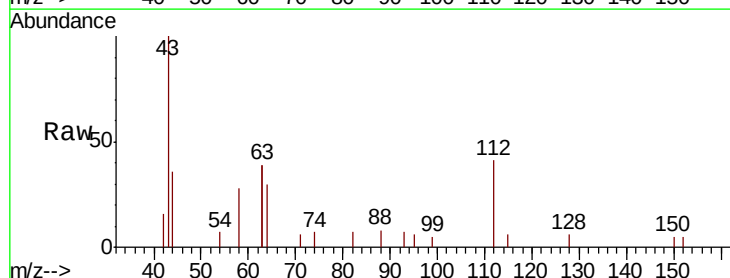
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



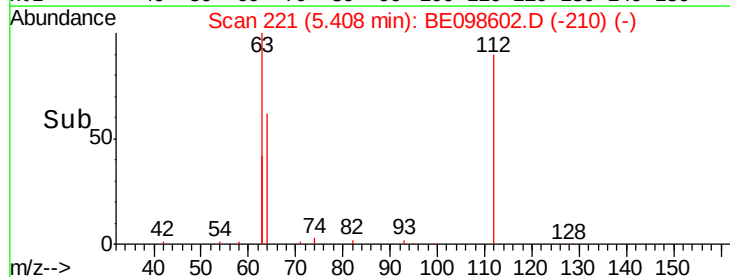
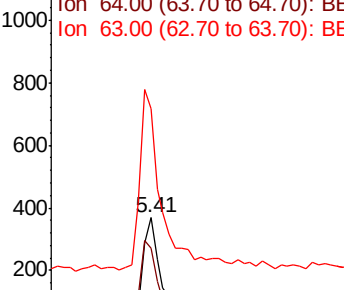
#4

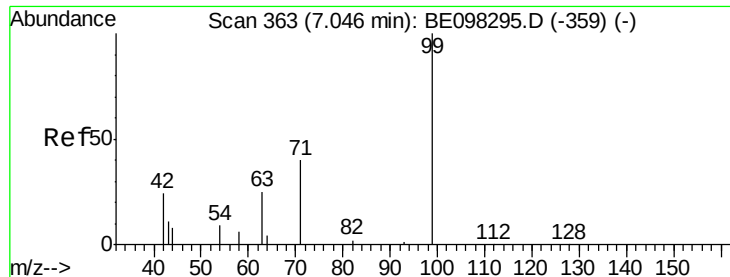
2-Fluorophenol  
Concen: 0.454 ng  
RT: 5.41 min Scan# 221  
Delta R.T. 0.02 min  
Lab File: BE098602.D  
Acq: 2 Jan 2019 10:59

Tgt Ion:112 Resp: 873  
Ion Ratio Lower Upper  
112 100  
64 75.0 59.8 89.8  
63 181.1 133.7 200.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.359 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098602.D

Acq: 2 Jan 2019 10:59

Instrument :

BNA\_E

ClientSampleId :

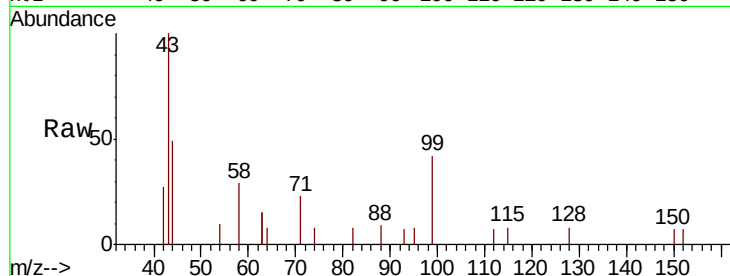
Tot Ion: 99 Resp: 978

Ion Ratio Lower Upper

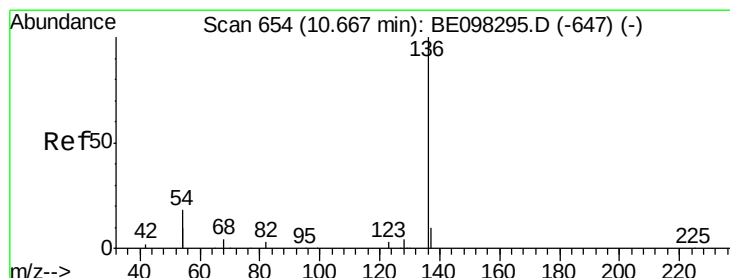
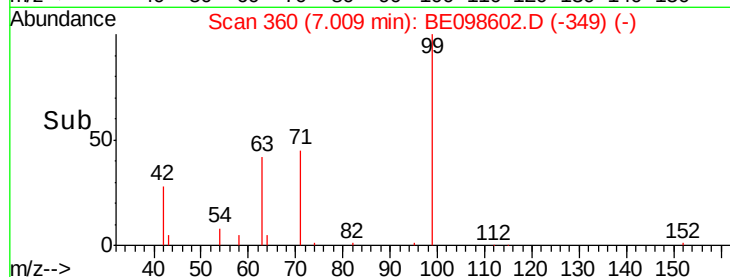
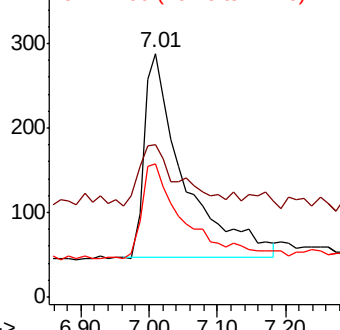
99 100

42 30.8 26.3 39.5

71 50.0 33.6 50.4



Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE098602.D

Acq: 2 Jan 2019 10:59

Tgt Ion: 136 Resp: 3238

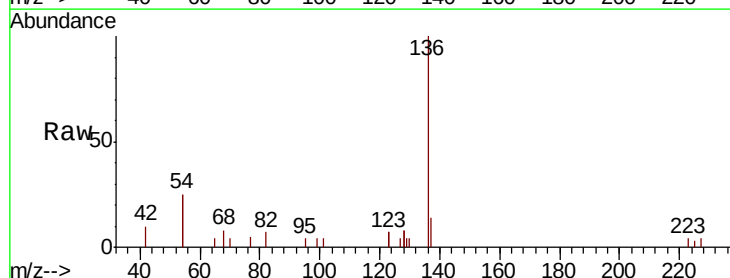
Ion Ratio Lower Upper

136 100

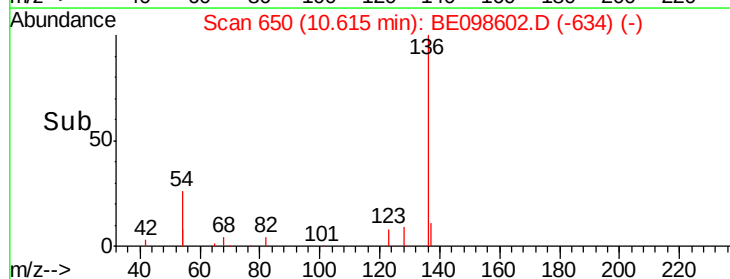
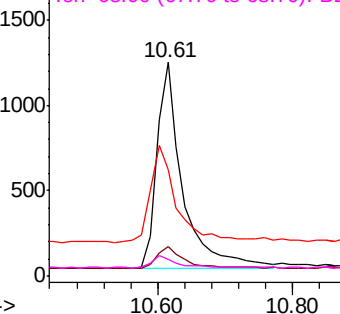
137 13.8 9.2 13.8#

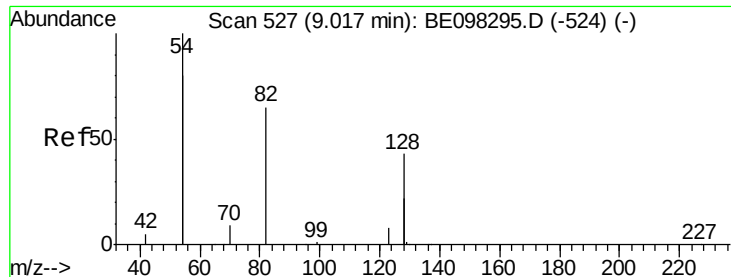
54 50.0 28.4 42.6#

68 7.7 5.4 8.0



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): BE0  
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.304 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE098602.D

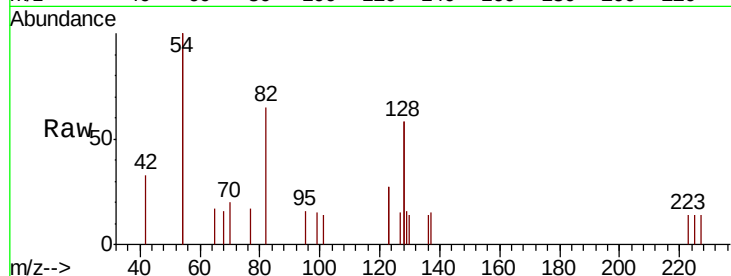
Acq: 2 Jan 2019 10:59

Instrument :

BNA\_E

ClientSampled :

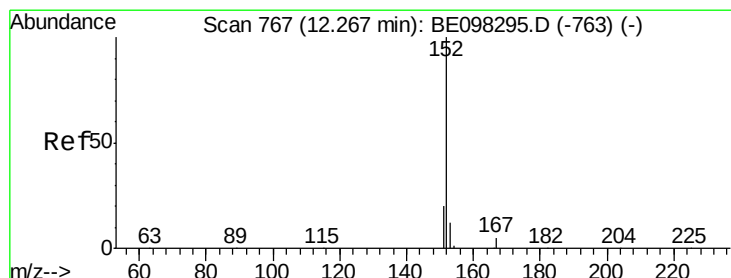
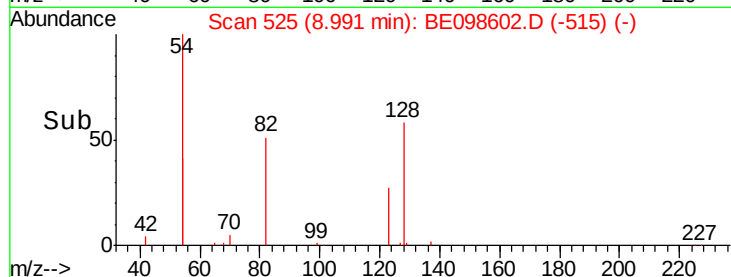
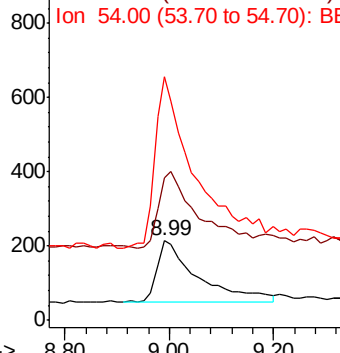
| Tot Ion   | 82    | Resp  | 896    |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 178.5 | 102.4 | 153.6# |
| 54        | 306.5 | 221.8 | 332.8  |



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.340 ng

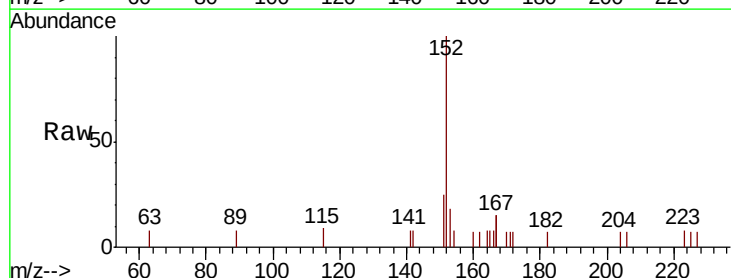
RT: 12.22 min Scan# 764

Delta R.T. 0.02 min

Lab File: BE098602.D

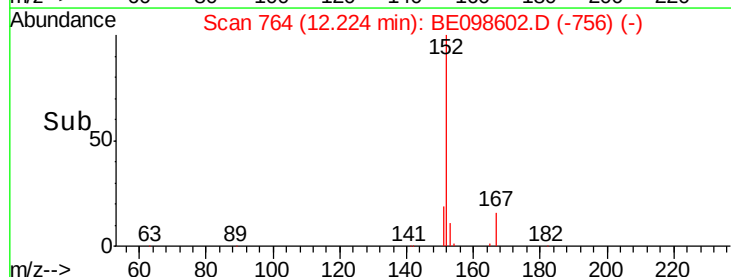
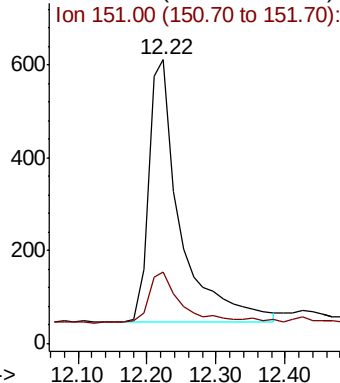
Acq: 2 Jan 2019 10:59

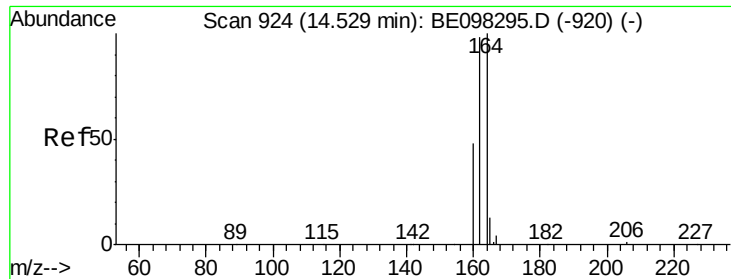
| Tgt Ion   | 152   | Resp  | 1791 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 19.5  | 16.2  | 24.4 |



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

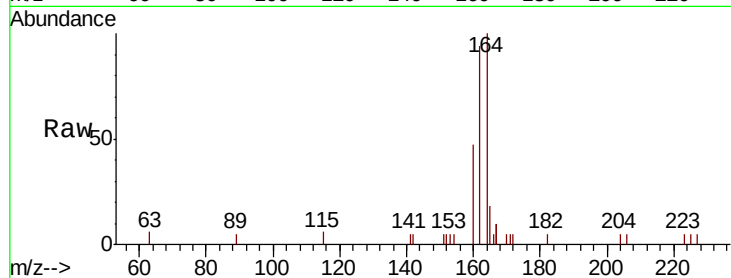




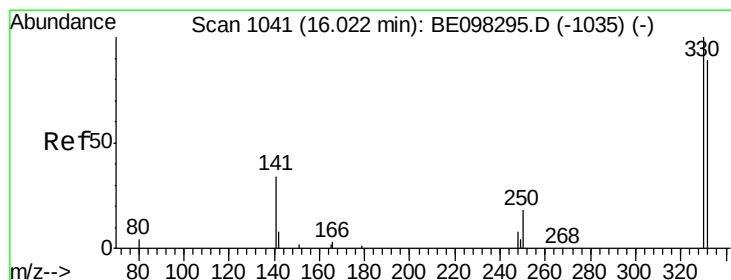
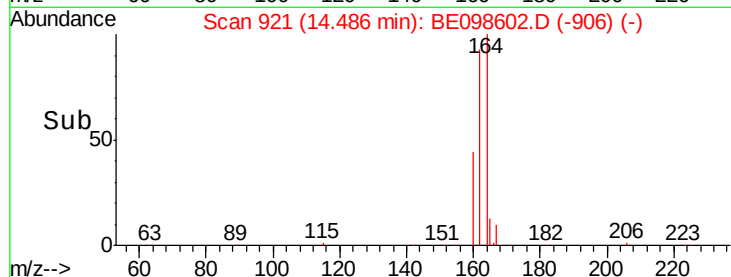
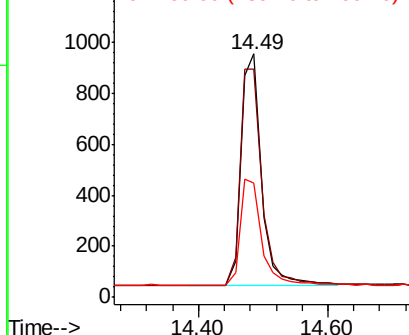
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.49 min Scan# 921  
 Delta R.T. 0.02 min  
 Lab File: BE098602.D  
 Acq: 2 Jan 2019 10:59

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:164 Resp: 2011  
 Ion Ratio Lower Upper  
 164 100  
 162 93.8 77.6 116.4  
 160 47.0 36.0 54.0

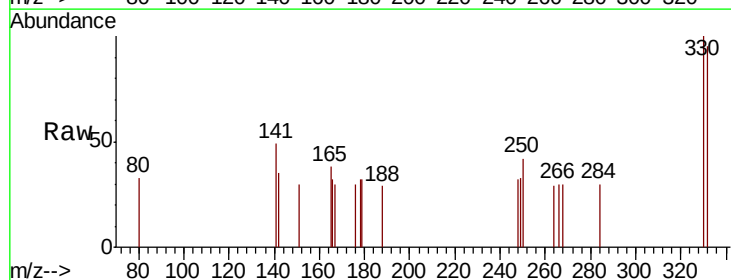


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

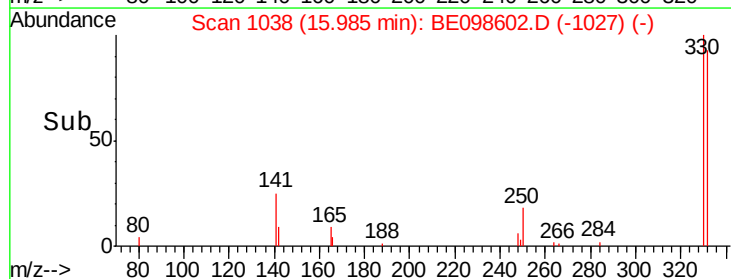
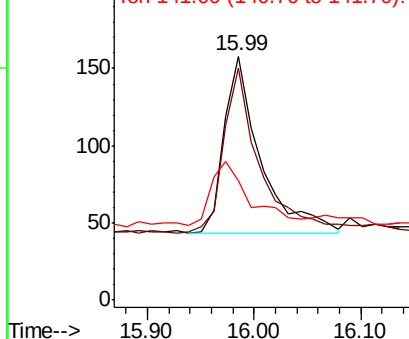


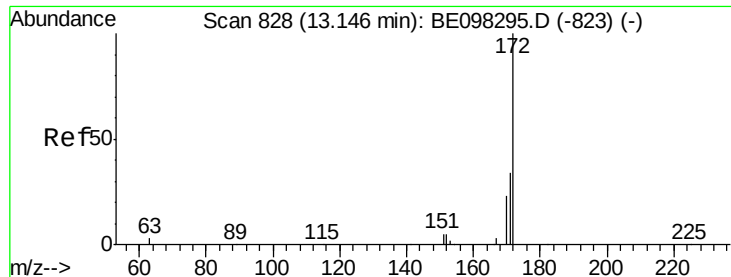
#14  
 2,4,6-Tribromophenol  
 Concen: 0.370 ng  
 RT: 15.99 min Scan# 1038  
 Delta R.T. 0.02 min  
 Lab File: BE098602.D  
 Acq: 2 Jan 2019 10:59

Tgt Ion:330 Resp: 273  
 Ion Ratio Lower Upper  
 330 100  
 332 98.9 76.2 114.4  
 141 39.2 39.0 58.4



Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

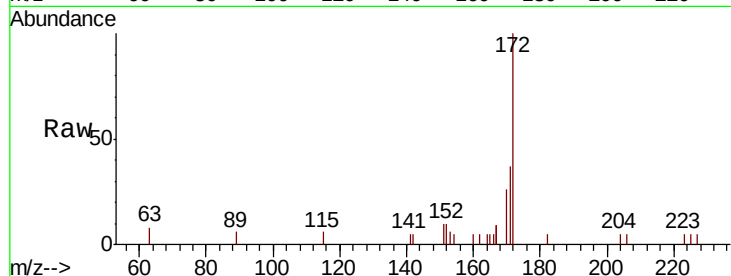




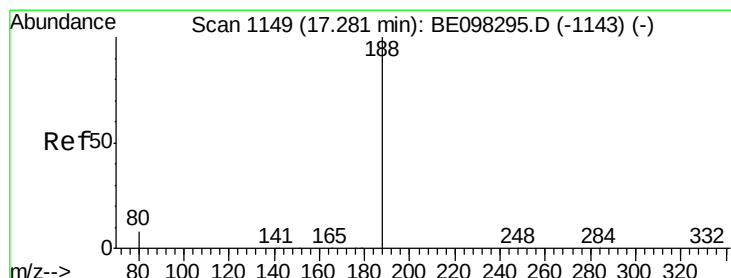
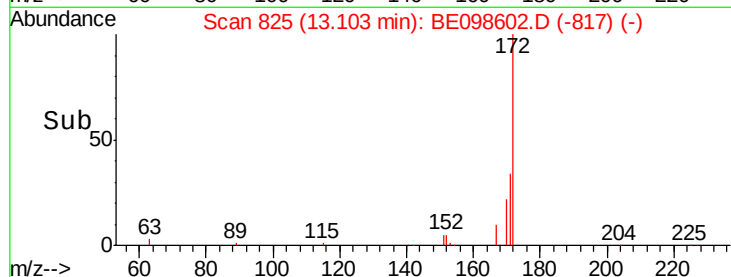
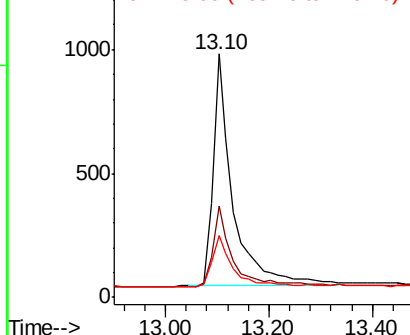
#15  
2-Fluorobiphenyl  
Concen: 0.297 ng  
RT: 13.10 min Scan# 825  
Delta R.T. 0.02 min  
Lab File: BE098602.D  
Acq: 2 Jan 2019 10:59

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:172 Resp: 2523  
Ion Ratio Lower Upper  
172 100  
171 37.4 27.5 41.3  
170 25.5 19.6 29.4

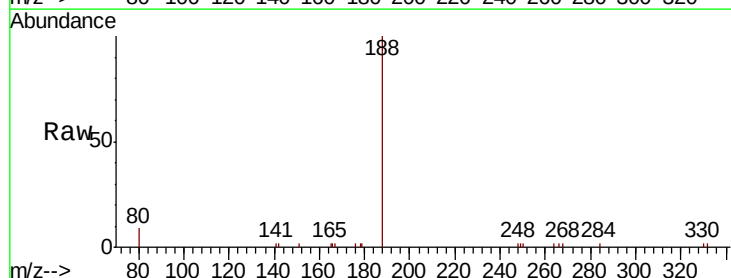


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

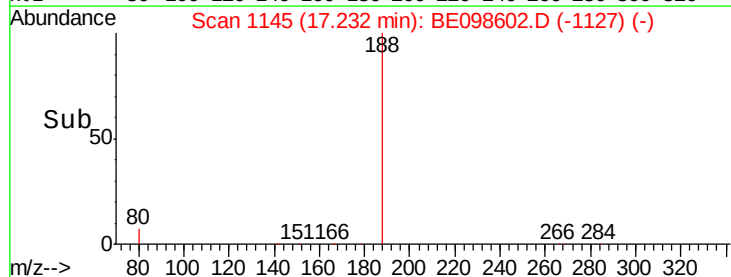
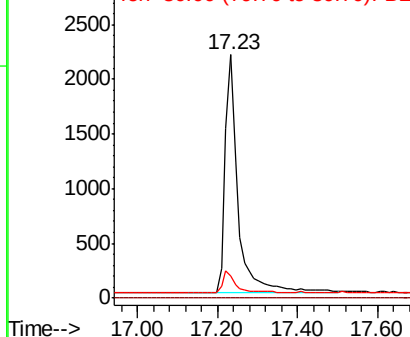


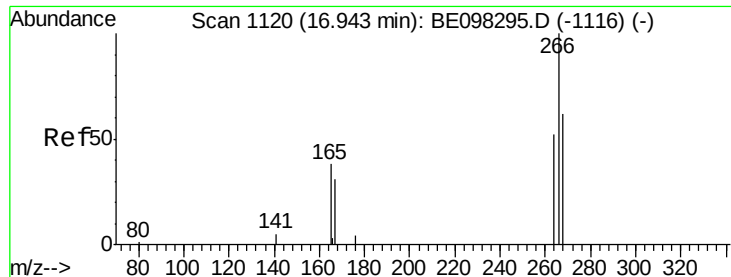
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.23 min Scan# 1145  
Delta R.T. 0.01 min  
Lab File: BE098602.D  
Acq: 2 Jan 2019 10:59

Tgt Ion:188 Resp: 4903  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.3 7.2 10.8



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.085 ng

RT: 16.91 min Scan# 1117

Delta R.T. 0.02 min

Lab File: BE098602.D

Acq: 2 Jan 2019 10:59

Instrument :

BNA\_E

ClientSampled :

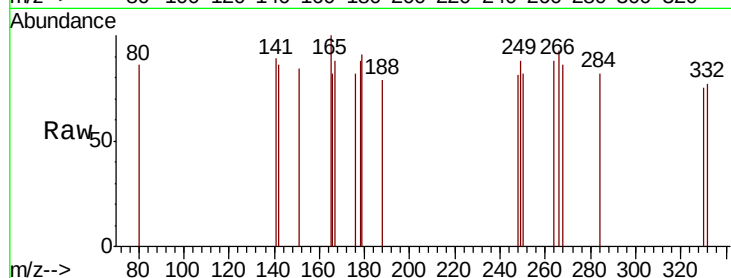
Tot Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

264 94.3 59.0 88.4#

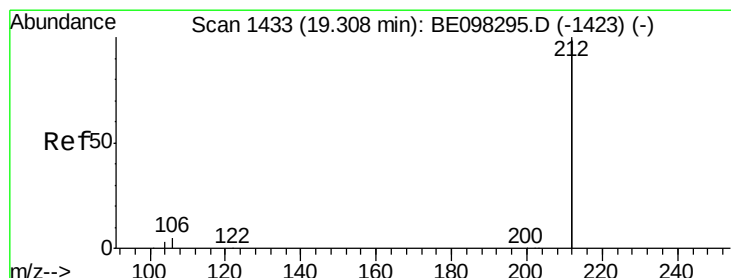
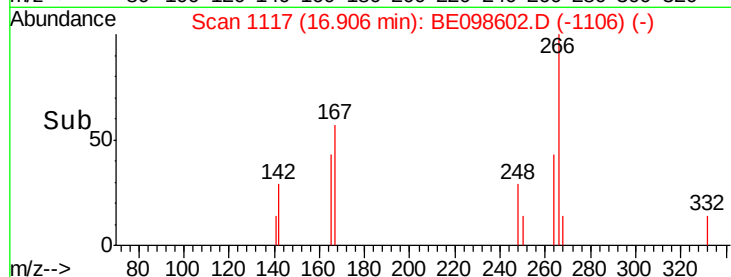
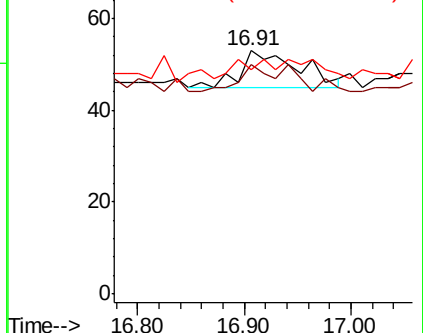
268 92.5 55.1 82.7#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 19.26 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BE098602.D

Acq: 2 Jan 2019 10:59

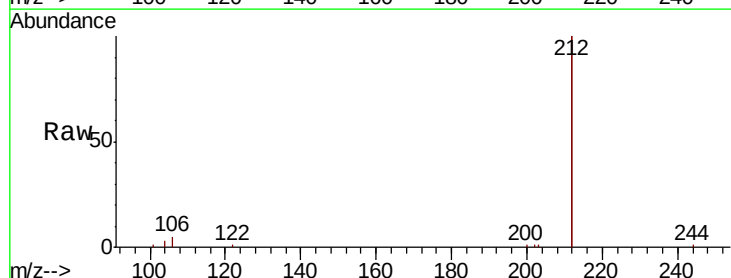
Tgt Ion:212 Resp: 23202

Ion Ratio Lower Upper

212 100

106 2.2 2.2 3.2#

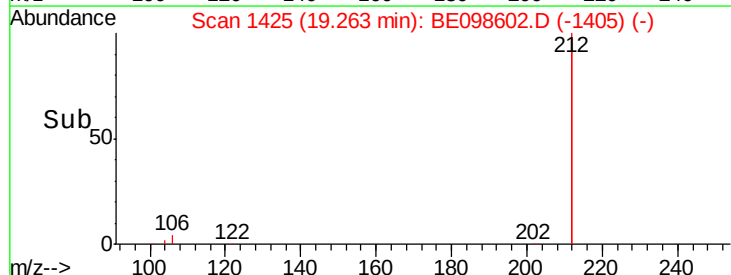
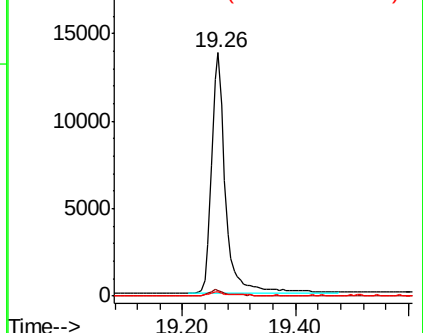
104 1.2 1.3 1.9#



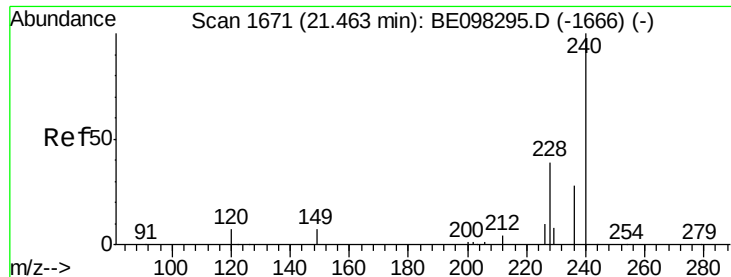
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E







#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BE098602.D

Acq: 2 Jan 2019 10:59

Instrument :

BNA\_E

ClientSampleId :

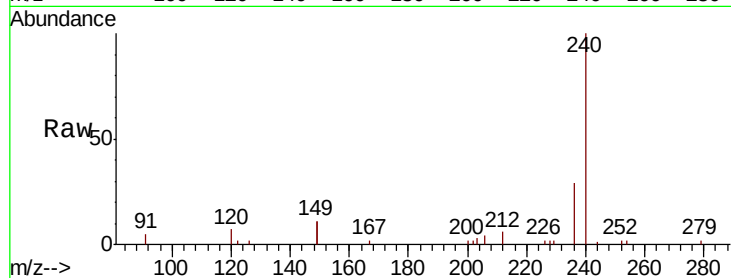
Tot Ion:240 Resp: 6198

Ion Ratio Lower Upper

240 100

120 7.0 9.5 14.3#

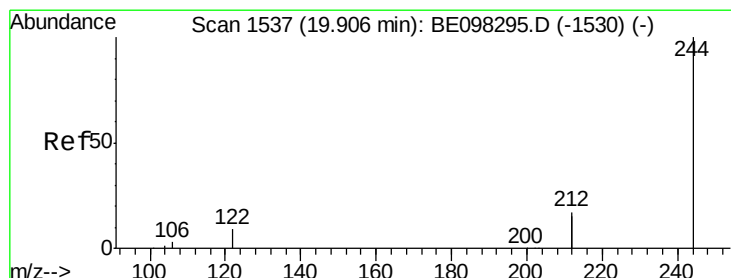
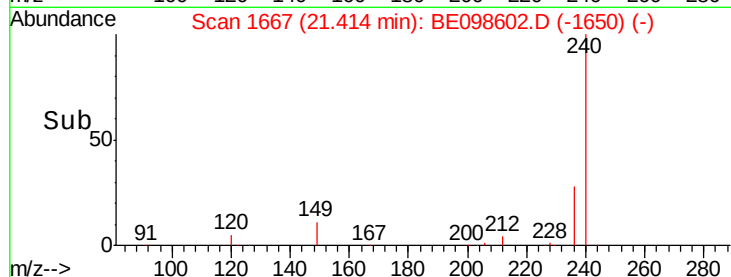
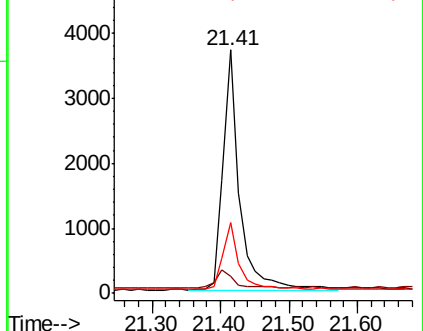
236 29.2 22.7 34.1



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



#29

Terphenyl-d14

Concen: 0.325 ng

RT: 19.86 min Scan# 1529

Delta R.T. 0.01 min

Lab File: BE098602.D

Acq: 2 Jan 2019 10:59

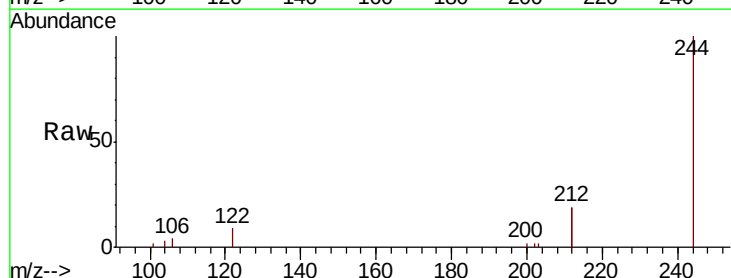
Tgt Ion:244 Resp: 4902

Ion Ratio Lower Upper

244 100

212 38.3 27.4 41.0

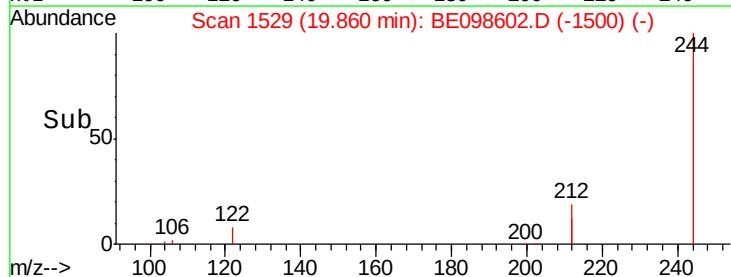
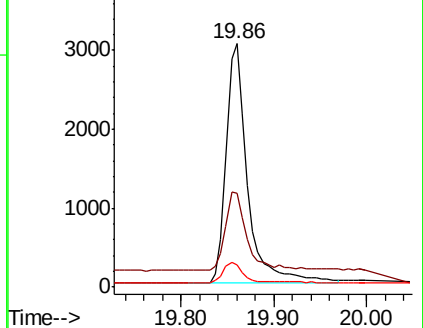
122 9.0 8.3 12.5

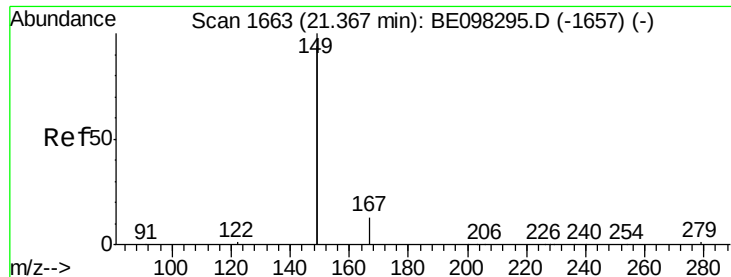


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

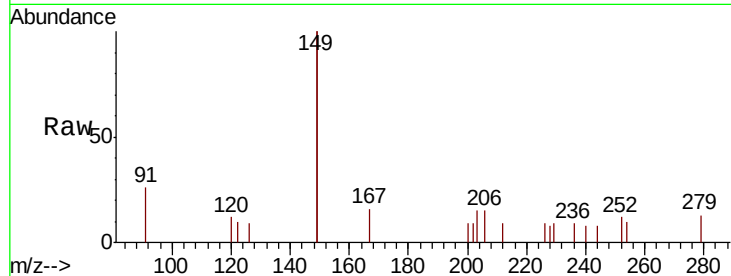




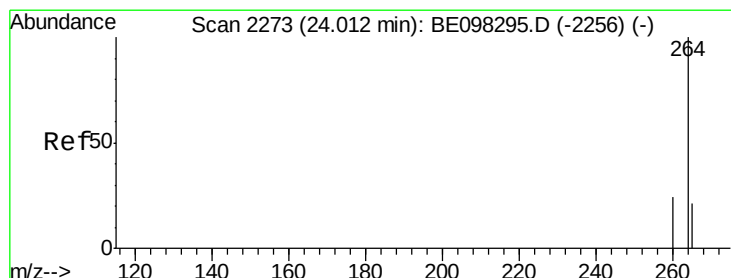
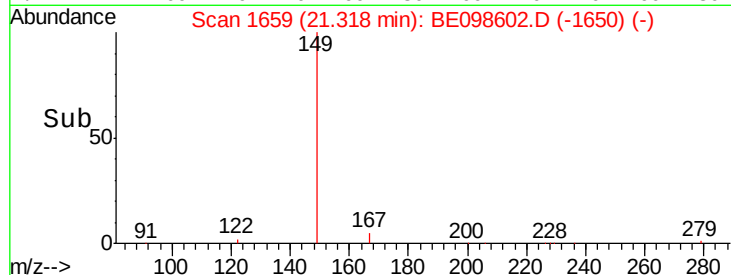
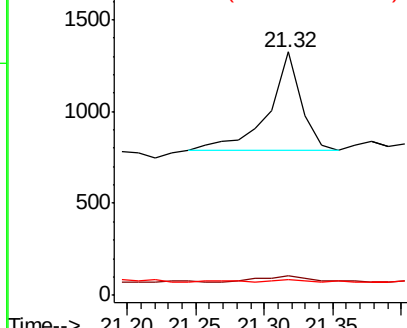
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.025 ng  
 RT: 21.32 min Scan# 1659  
 Delta R.T. 0.01 min  
 Lab File: BE098602.D  
 Acq: 2 Jan 2019 10:59

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:149 Resp: 909  
 Ion Ratio Lower Upper  
 149 100  
 167 10.3 5.7 8.5#  
 279 2.9 1.0 1.4#

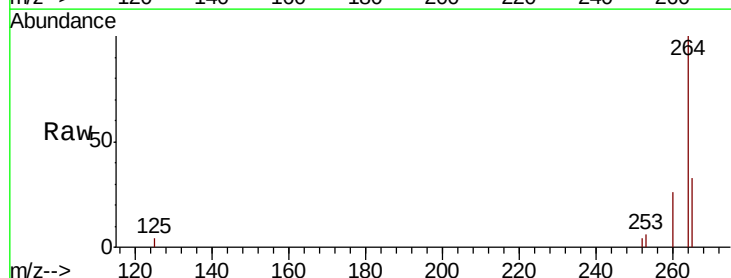


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.92 min Scan# 2248  
 Delta R.T. -0.03 min  
 Lab File: BE098602.D  
 Acq: 2 Jan 2019 10:59

Tgt Ion:264 Resp: 6288  
 Ion Ratio Lower Upper  
 264 100  
 260 26.3 20.2 30.2  
 265 32.6 25.2 37.8



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

