

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031319\  
 Data File : BE098915.D  
 Acq On : 13 Mar 2019 17:10  
 Operator : JU/SJ  
 Sample : K1856-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-FW-MW02-20190310

Quant Time: Mar 14 07:12:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 06 15:33:24 2019  
 Response via : Initial Calibration

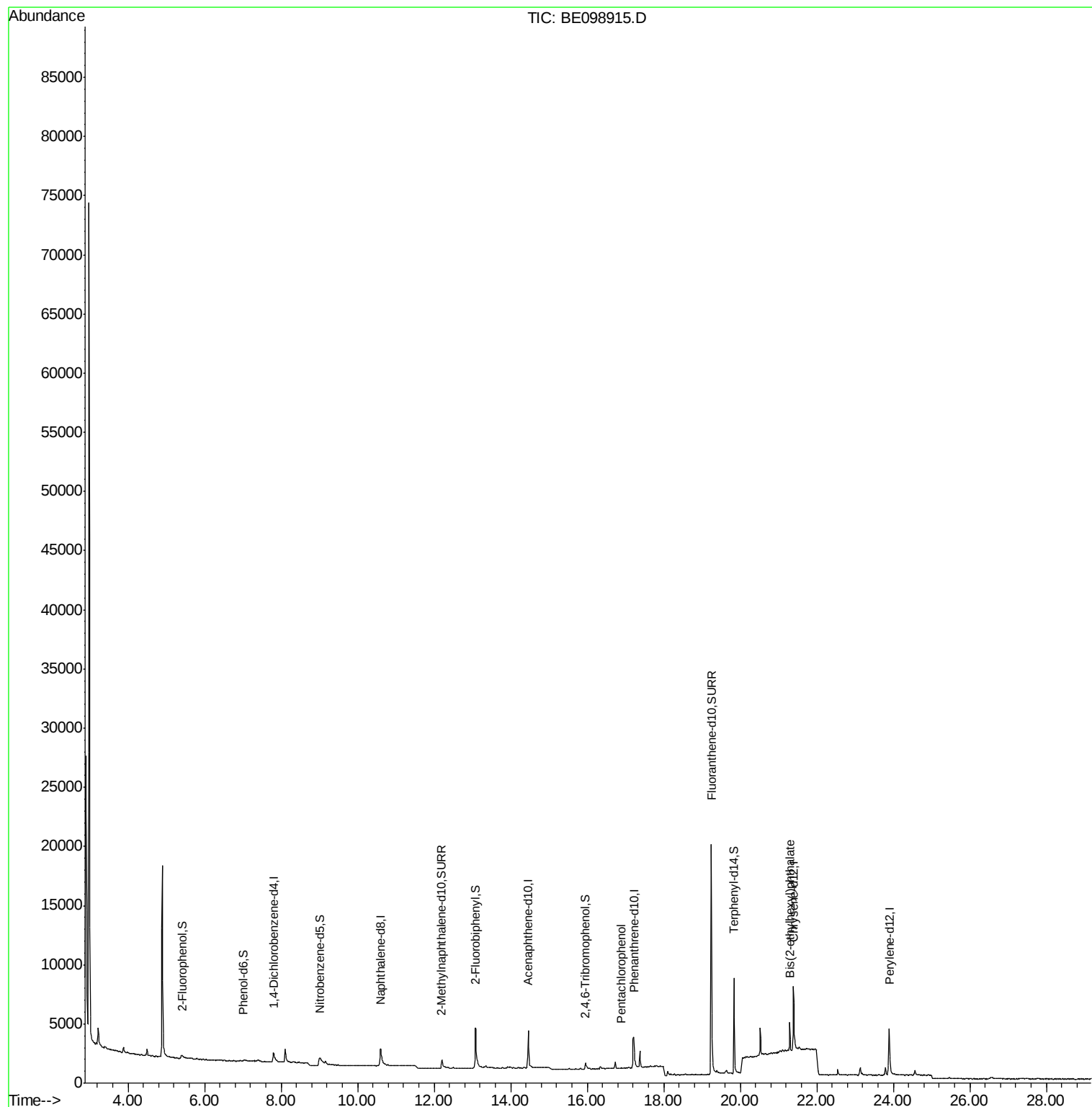
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.79  | 152  | 690      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.60 | 136  | 3108     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.46 | 164  | 2281     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.22 | 188  | 5765     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.39 | 240  | 6902     | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.89 | 264  | 6644     | 0.40  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.41  | 112  | 321      | 0.16  | ng    | 0.02     |
| 5) Phenol-d6                   | 7.01  | 99   | 125      | 0.04  | ng    | 0.02     |
| 8) Nitrobenzene-d5             | 9.00  | 82   | 1076     | 0.33  | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10    | 12.19 | 152  | 2054     | 0.36  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.96 | 330  | 471      | 0.41  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.09 | 172  | 5900     | 0.62  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.24 | 212  | 30971    | 0.34  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.84 | 244  | 8080     | 0.48  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.88 | 266  | 56       | 0.309 | ng    | 99       |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2665     | 0.058 | ng    | # 97     |

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

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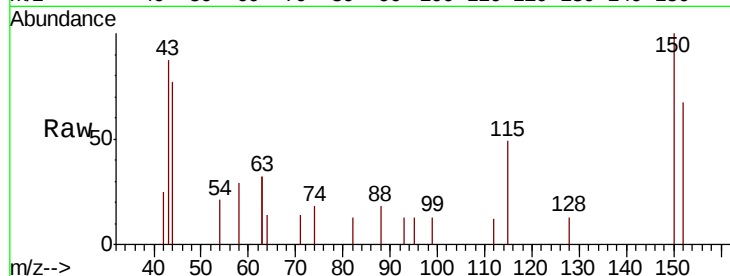


#1

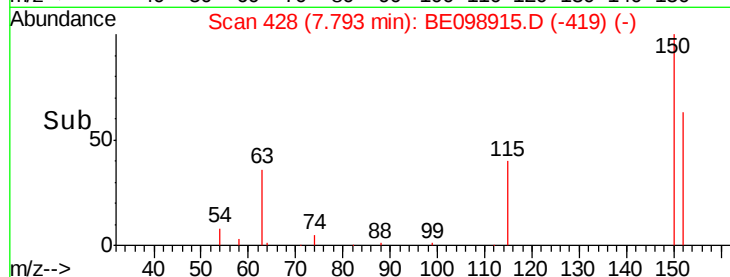
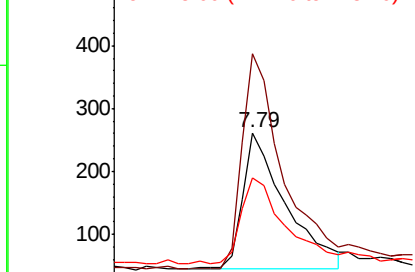
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.79 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BE098915.D  
Acq: 13 Mar 2019 17:10

Instrument :  
BNA\_E  
ClientSampleId :  
BP-FW-MW02-20190310

Tot Ion:152 Resp: 690  
Ion Ratio Lower Upper  
152 100  
150 148.3 122.5 183.7  
115 72.8 57.4 86.2



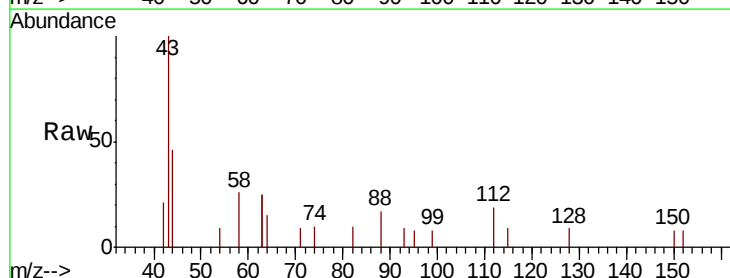
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



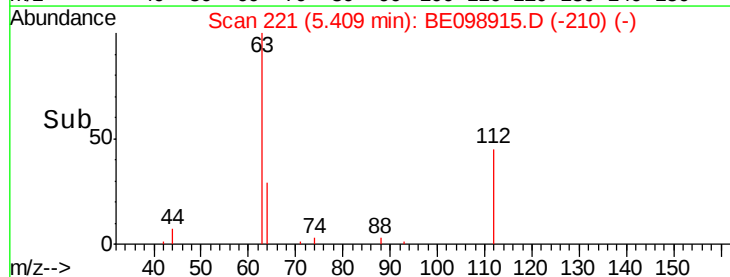
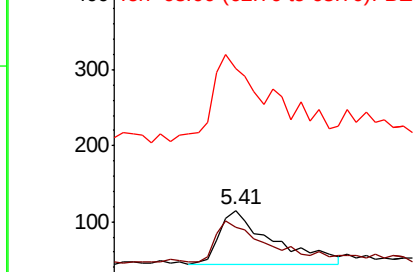
#4

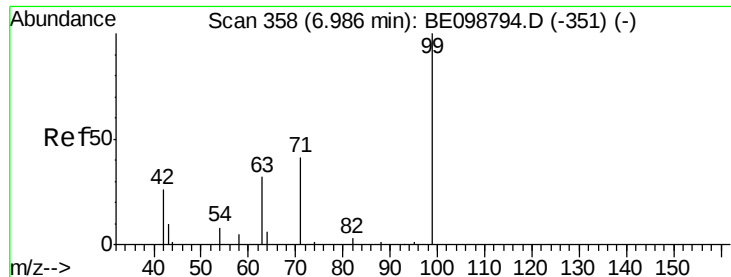
2-Fluorophenol  
Concen: 0.156 ng  
RT: 5.41 min Scan# 221  
Delta R.T. 0.02 min  
Lab File: BE098915.D  
Acq: 13 Mar 2019 17:10

Tgt Ion:112 Resp: 321  
Ion Ratio Lower Upper  
112 100  
64 69.5 57.9 86.9  
63 191.9 158.3 237.5



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: 0.043 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098915.D

Acq: 13 Mar 2019 17:10

Instrument :

BNA\_E

ClientSampleId :

BP-FW-MW02-20190310

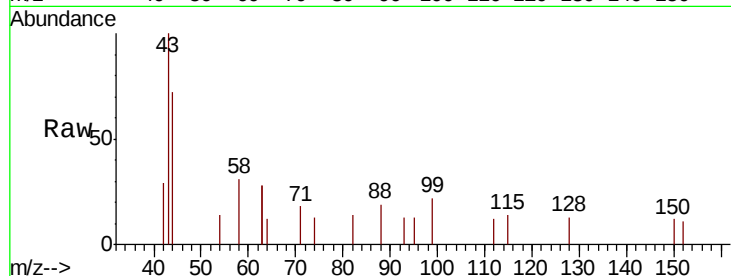
Tot Ion: 99 Resp: 125

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

71 74.4 35.7 53.5#



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

150

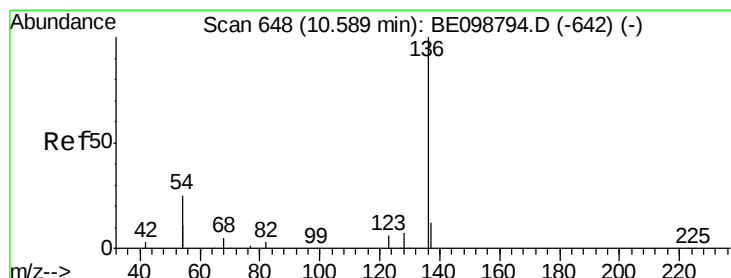
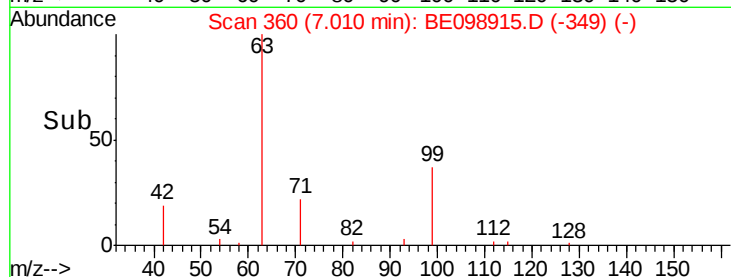
100

7.01

50

0

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098915.D

Acq: 13 Mar 2019 17:10

Tgt Ion: 136 Resp: 3108

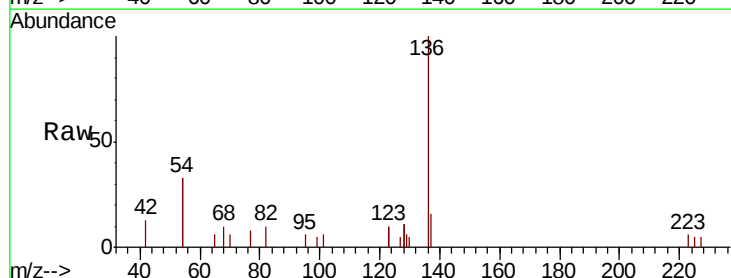
Ion Ratio Lower Upper

136 100

137 15.8 11.4 17.0

54 65.8 39.3 58.9#

68 10.4 6.7 10.1#



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

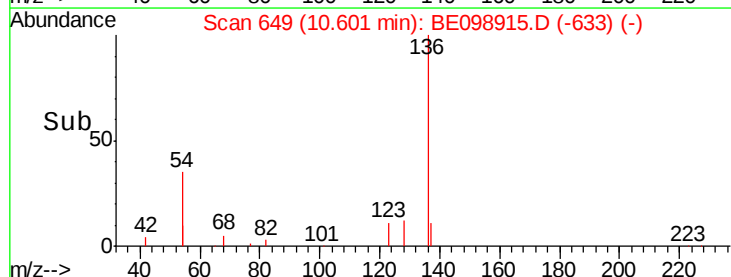
1000

500

10.60

0

Time-->

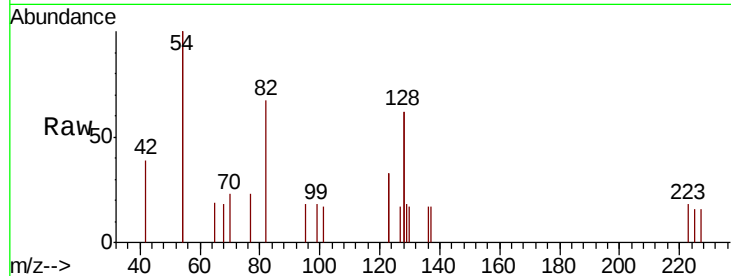




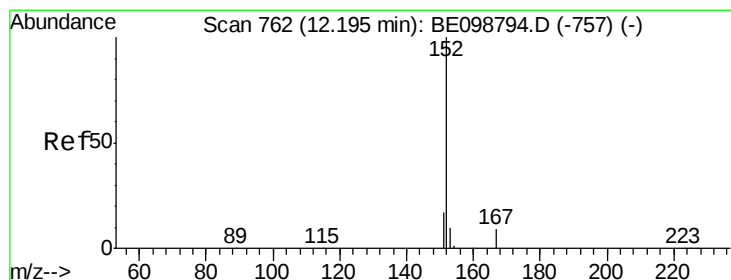
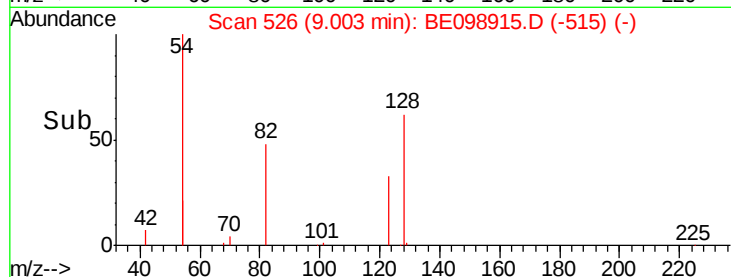
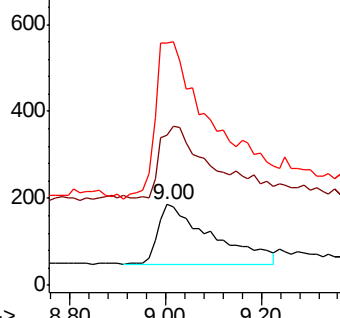
#8  
 Nitrobenzene-d5  
 Concen: 0.330 ng  
 RT: 9.00 min Scan# 526  
 Delta R.T. 0.04 min  
 Lab File: BE098915.D  
 Acq: 13 Mar 2019 17:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-FW-MW02-20190310

Tot Ion: 82 Resp: 1076  
 Ion Ratio Lower Upper  
 82 100  
 128 185.9 123.8 185.8#  
 54 300.5 203.4 305.2

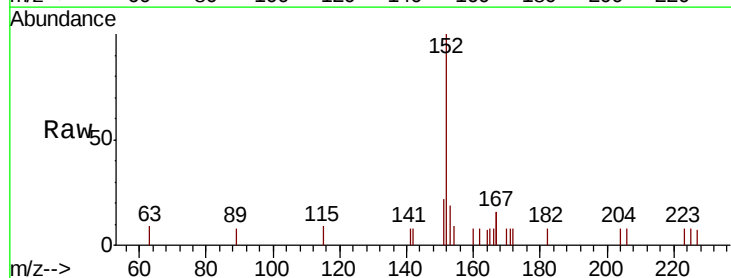


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BE0

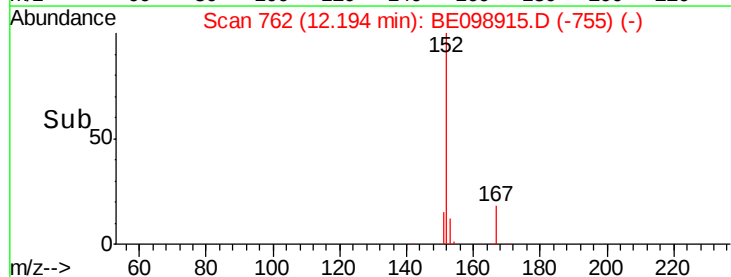
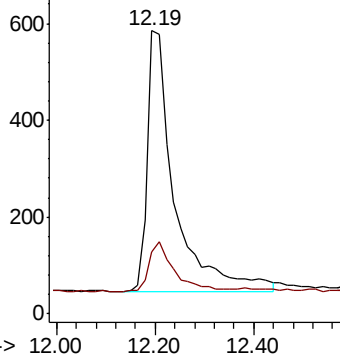


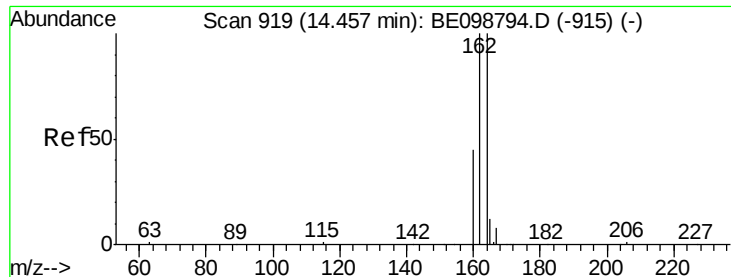
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.358 ng  
 RT: 12.19 min Scan# 762  
 Delta R.T. -0.00 min  
 Lab File: BE098915.D  
 Acq: 13 Mar 2019 17:10

Tgt Ion:152 Resp: 2054  
 Ion Ratio Lower Upper  
 152 100  
 151 17.7 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E

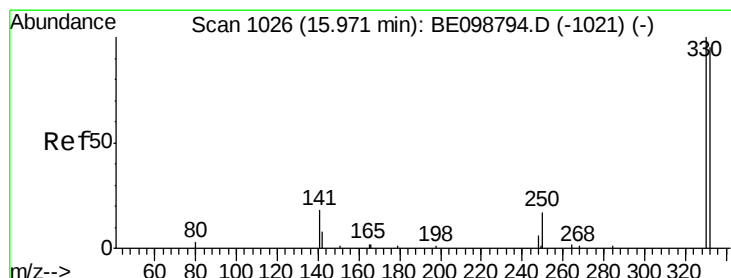
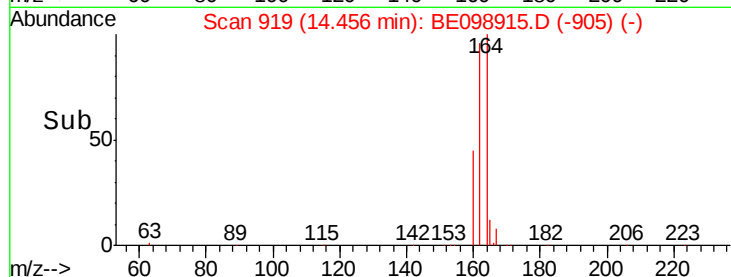
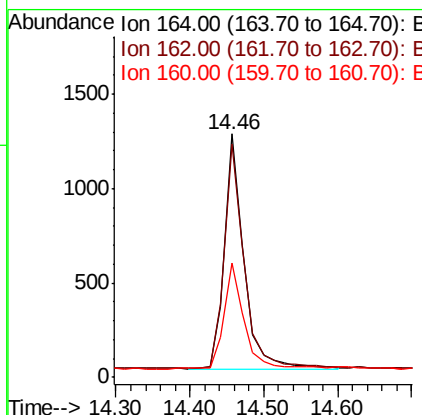
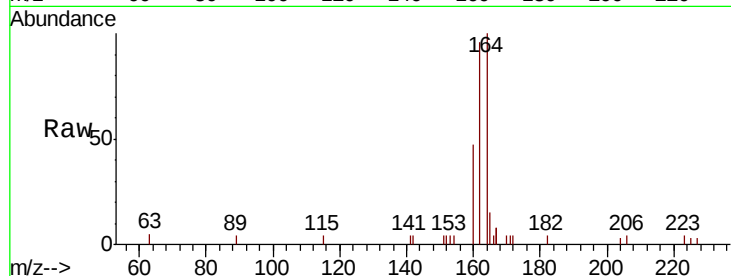




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: BE098915.D  
Acq: 13 Mar 2019 17:10

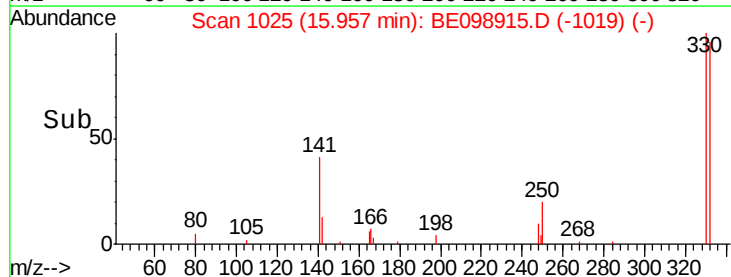
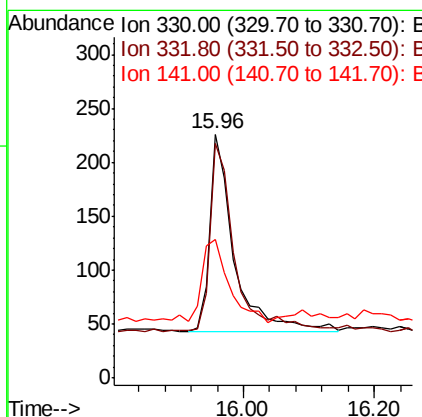
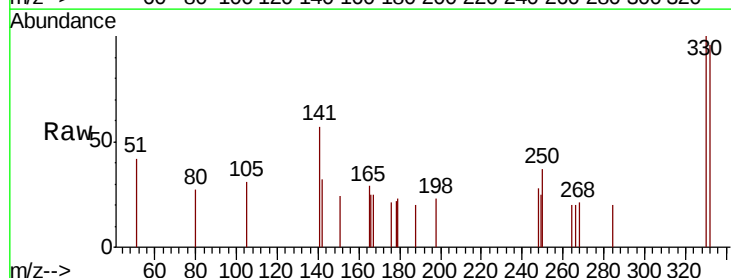
Instrument :  
BNA\_E  
ClientSampleId :  
BP-FW-MW02-20190310

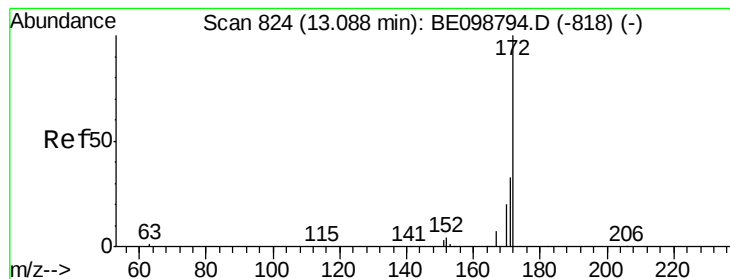
Tot Ion:164 Resp: 2281  
Ion Ratio Lower Upper  
164 100  
162 96.0 80.2 120.2  
160 46.8 37.8 56.8



#14  
2,4,6-Tribromophenol  
Concen: 0.409 ng  
RT: 15.96 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BE098915.D  
Acq: 13 Mar 2019 17:10

Tgt Ion:330 Resp: 471  
Ion Ratio Lower Upper  
330 100  
332 93.6 77.6 116.4  
141 46.5 31.0 46.4#

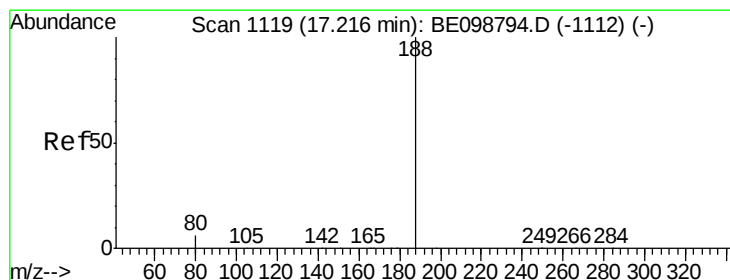
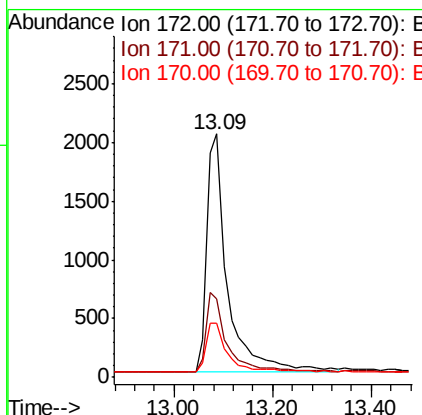
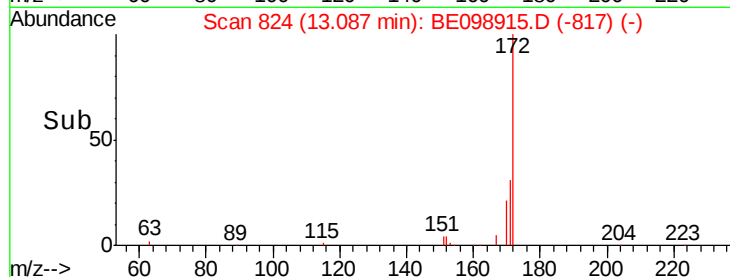
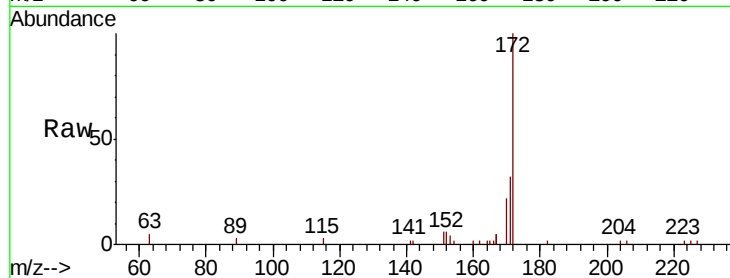




#15  
2-Fluorobiphenyl  
Concen: 0.625 ng  
RT: 13.09 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BE098915.D  
Acq: 13 Mar 2019 17:10

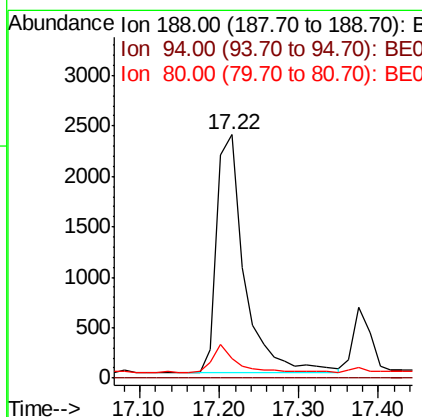
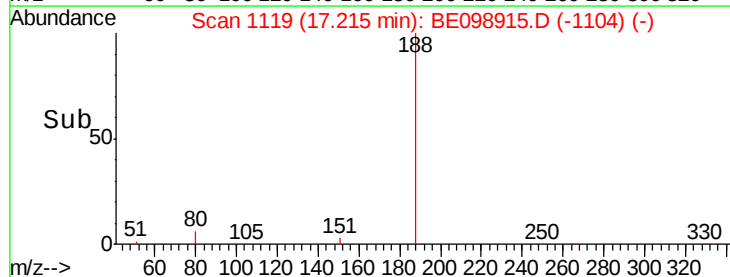
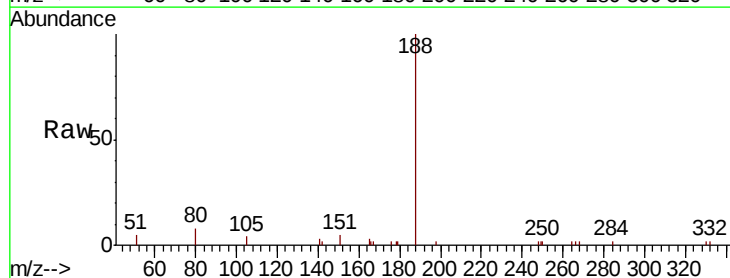
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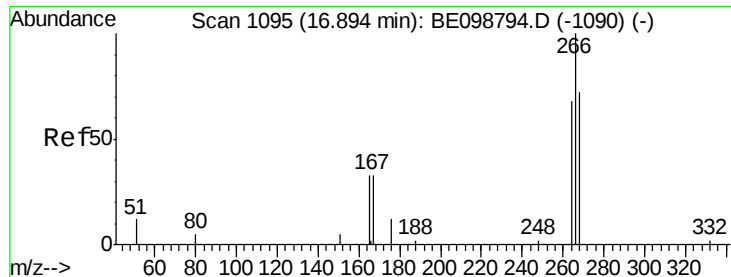
Tot Ion:172 Resp: 5900  
Ion Ratio Lower Upper  
172 100  
171 32.2 28.0 42.0  
170 22.2 17.7 26.5



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.22 min Scan# 1119  
Delta R.T. -0.00 min  
Lab File: BE098915.D  
Acq: 13 Mar 2019 17:10

Tgt Ion:188 Resp: 5765  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.3 6.3 9.5





#22

Pentachlorophenol

Concen: 0.309 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098915.D

Acq: 13 Mar 2019 17:10

Instrument :

BNA\_E

ClientSampleId :

BP-FW-MW02-20190310

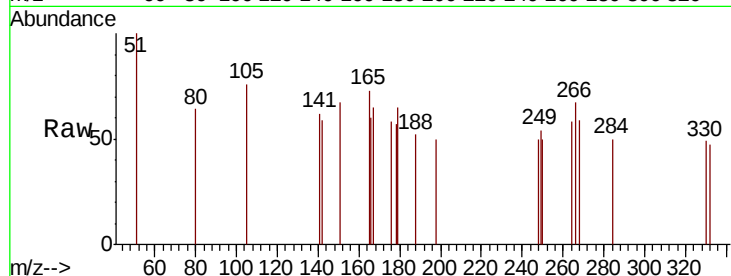
Tot Ion:266 Resp: 56

Ion Ratio Lower Upper

266 100

264 85.5 66.6 100.0

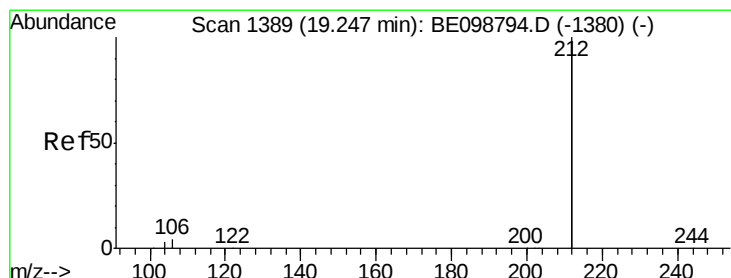
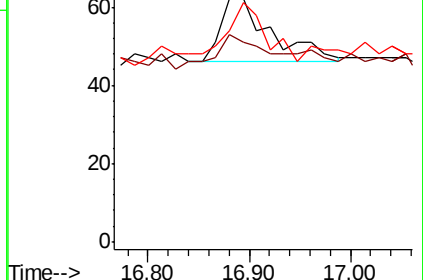
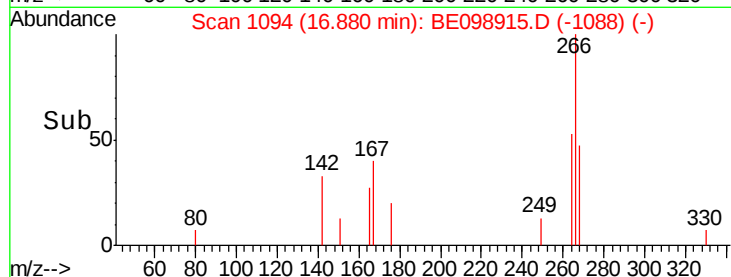
268 87.1 69.8 104.8



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: 0.337 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE098915.D

Acq: 13 Mar 2019 17:10

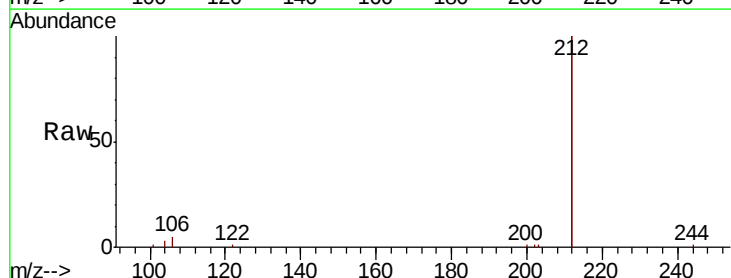
Tgt Ion:212 Resp: 30971

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

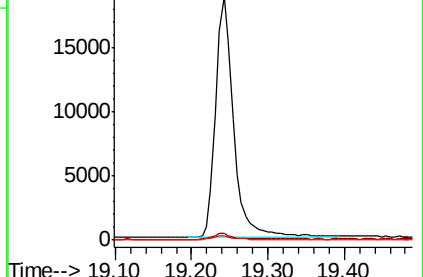
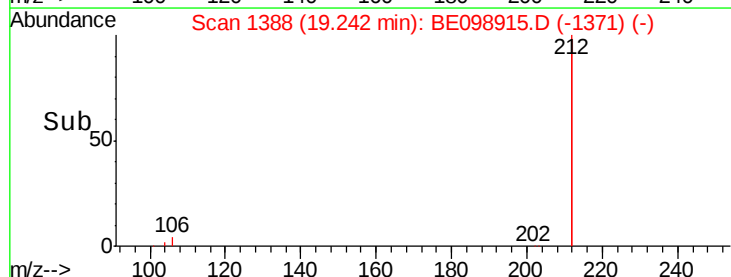
104 1.3 1.0 1.6



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: 21.39 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BE098915.D

Acq: 13 Mar 2019 17:10

Instrument :

BNA\_E

ClientSampleId :

BP-FW-MW02-20190310

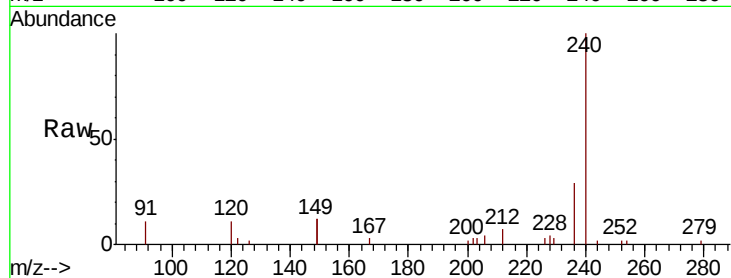
Tot Ion:240 Resp: 6902

Ion Ratio Lower Upper

240 100

120 10.6 5.0 7.4#

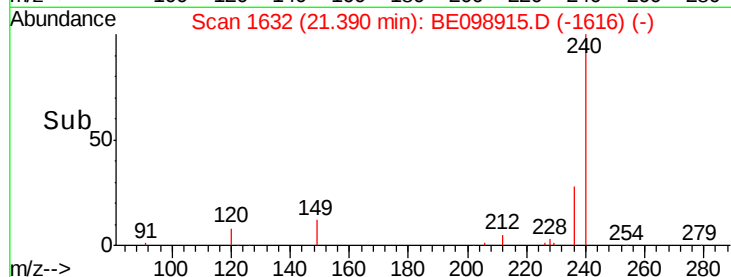
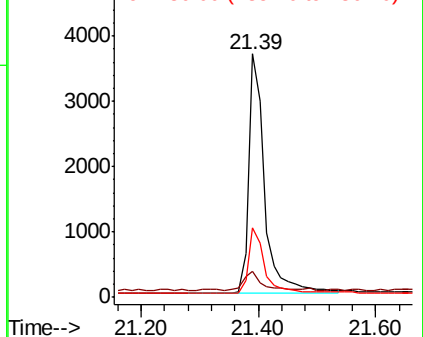
236 28.8 22.7 34.1



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: 0.482 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098915.D

Acq: 13 Mar 2019 17:10

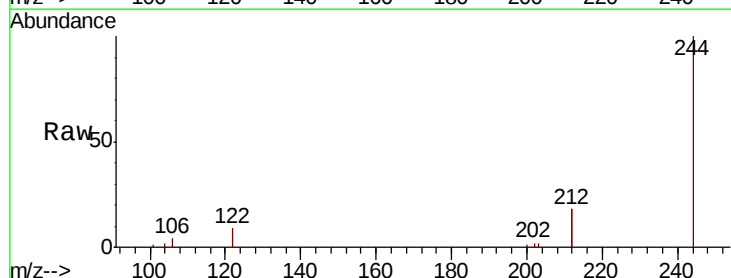
Tgt Ion:244 Resp: 8080

Ion Ratio Lower Upper

244 100

212 36.3 29.4 44.2

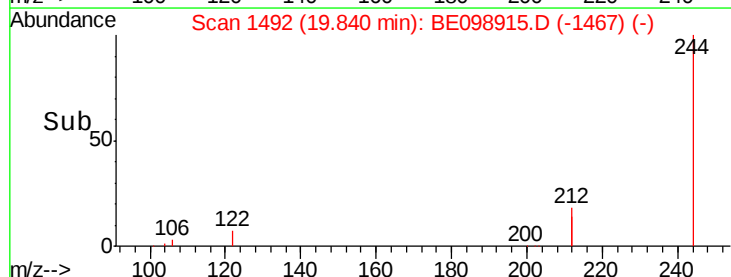
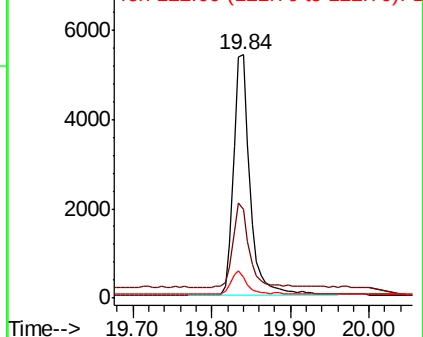
122 8.6 7.1 10.7



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

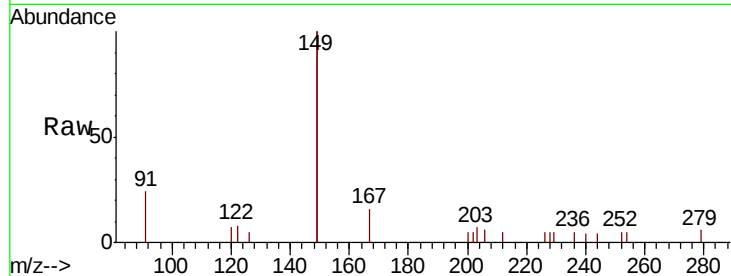




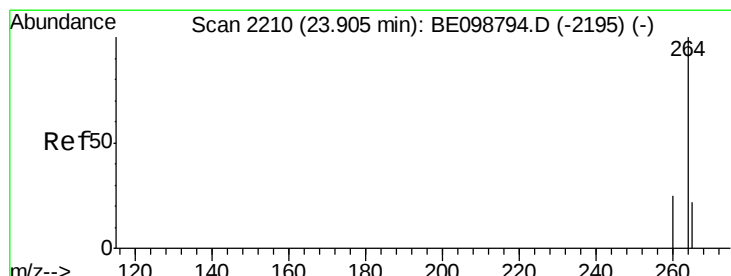
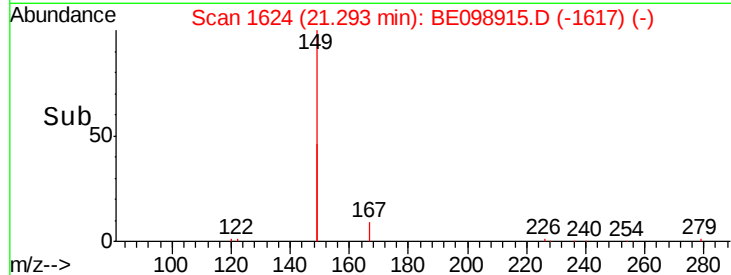
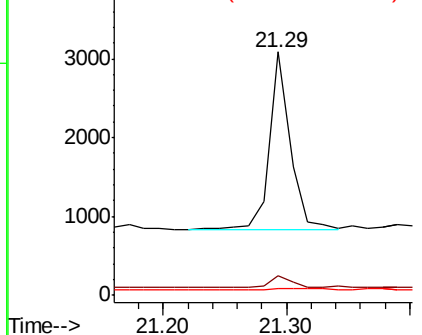
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.058 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.01 min  
 Lab File: BE098915.D  
 Acq: 13 Mar 2019 17:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BP-FW-MW02-20190310

Tot Ion:149 Resp: 2665  
 Ion Ratio Lower Upper  
 149 100  
 167 7.8 5.4 8.0  
 279 2.5 1.0 1.4#

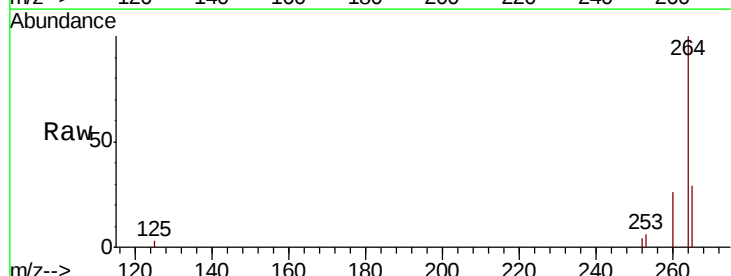


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.89 min Scan# 2206  
 Delta R.T. -0.01 min  
 Lab File: BE098915.D  
 Acq: 13 Mar 2019 17:10

Tgt Ion:264 Resp: 6644  
 Ion Ratio Lower Upper  
 264 100  
 260 26.1 21.2 31.8  
 265 29.0 24.6 36.8



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

