

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030819\  
 Data File : BE098848.D  
 Acq On : 9 Mar 2019 00:55  
 Operator : JU/SJ  
 Sample : K1793-11  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE123D3-20190306

Quant Time: Mar 09 03:52:08 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

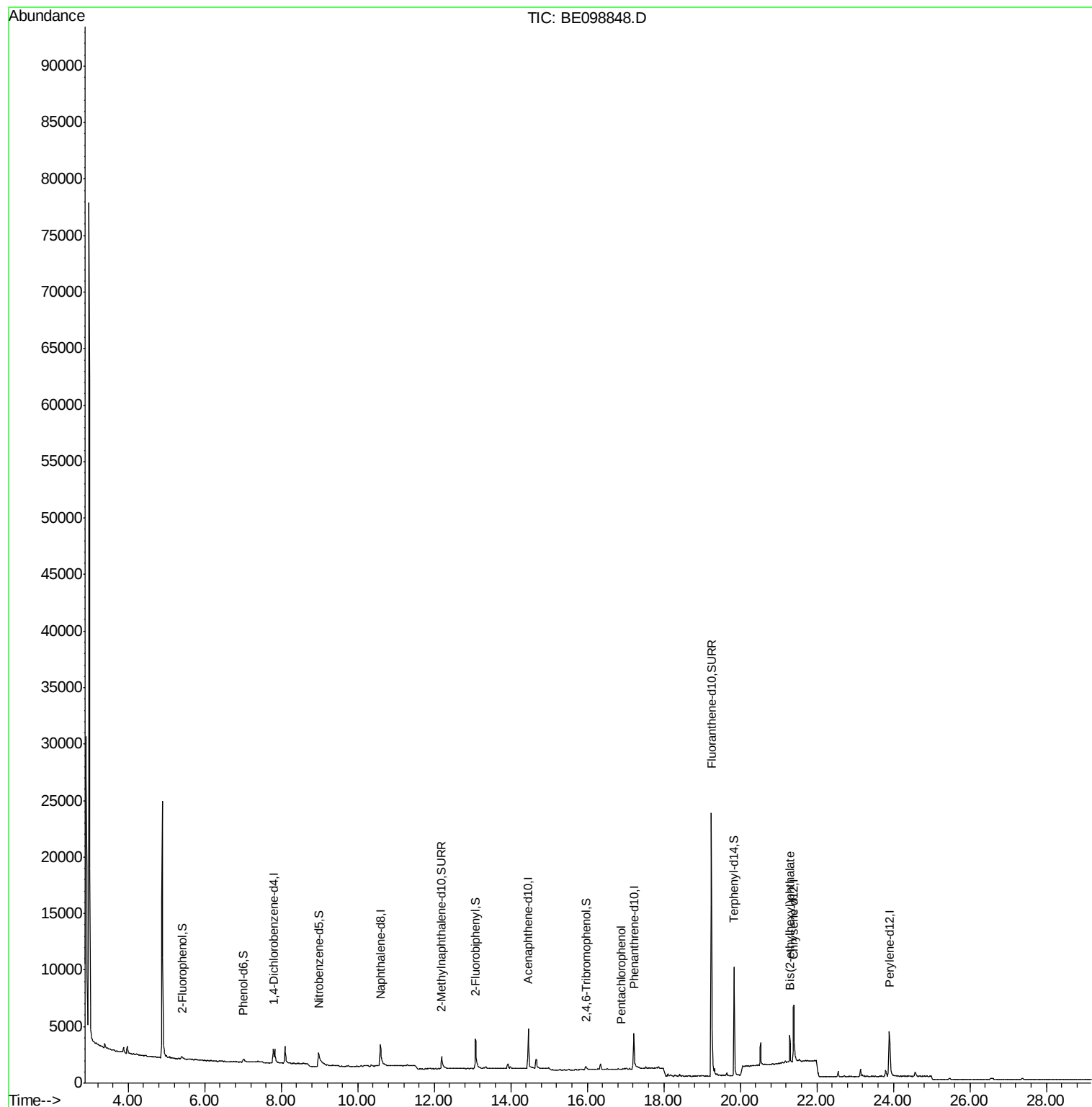
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.79  | 152  | 861      | 0.40      | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.59 | 136  | 3361     | 0.40      | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.46 | 164  | 2376     | 0.40      | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.22 | 188  | 6121     | 0.40      | ng    | 0.00        |
| 27) Chrysene-d12               | 21.40 | 240  | 7314     | 0.40      | ng    | 0.00        |
| 34) Perylene-d12               | 23.90 | 264  | 7090     | 0.40      | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |           |       |             |
| 4) 2-Fluorophenol              | 5.41  | 112  | 259      | 0.10      | ng    | 0.02        |
| 5) Phenol-d6                   | 7.00  | 99   | 175      | 0.05      | ng    | 0.01        |
| 8) Nitrobenzene-d5             | 8.98  | 82   | 1285     | 0.36      | ng    | 0.01        |
| 11) 2-Methylnaphthalene-d10    | 12.19 | 152  | 2343     | 0.38      | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.97 | 330  | 322      | 0.27      | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.09 | 172  | 4181     | 0.43      | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.24 | 212  | 35793    | 0.37      | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.84 | 244  | 9095     | 0.51      | ng    | 0.00        |
| Target Compounds               |       |      |          |           |       |             |
| 2) 1,4-Dioxane                 | 3.29  | 88   | 75       | Below Cal |       | Qvalue # 69 |
| 22) Pentachlorophenol          | 16.89 | 266  | 30       | 0.287 ng  |       | 91          |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 3320     | 0.068 ng  |       | 100         |

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

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QLast Update : Wed Mar 06 15:33:24 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. 0.00 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

Instrument :

BNA\_E

ClientSampleId :

RE123D3-20190306

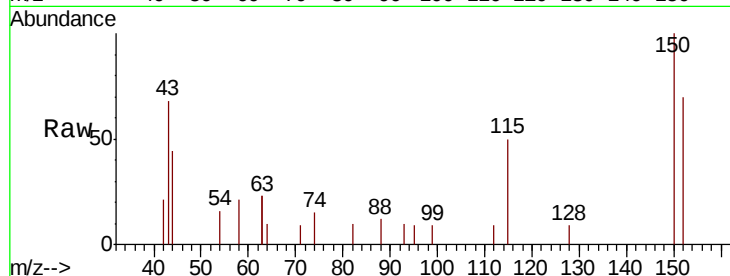
Tot Ion:152 Resp: 861

Ion Ratio Lower Upper

152 100

150 142.7 122.5 183.7

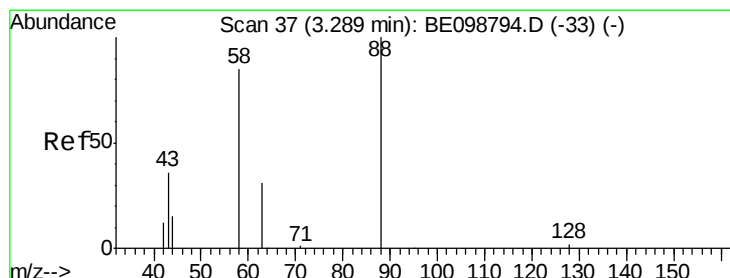
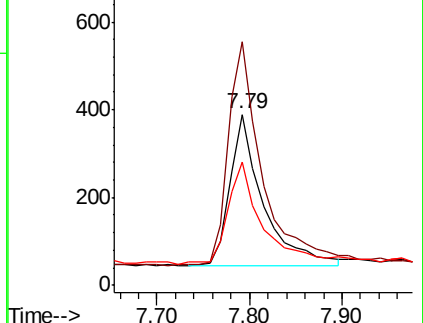
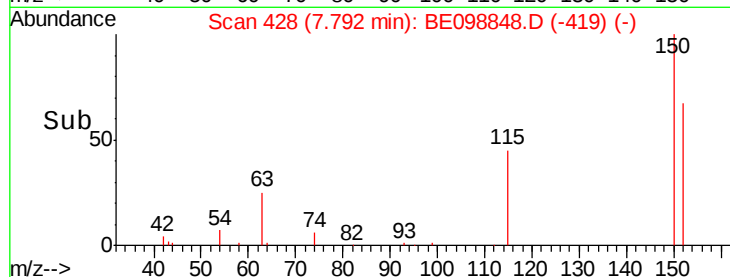
115 72.0 57.4 86.2



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

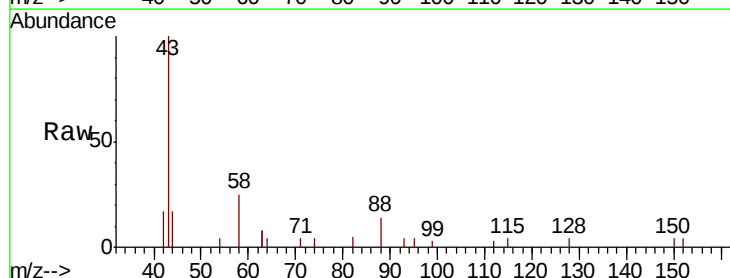
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

58 88.0 75.8 113.6

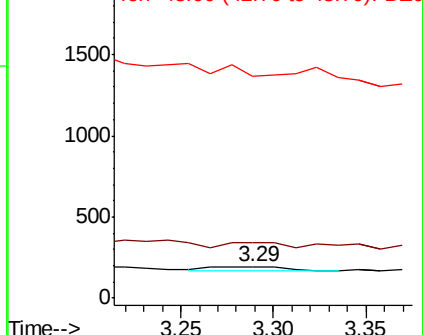
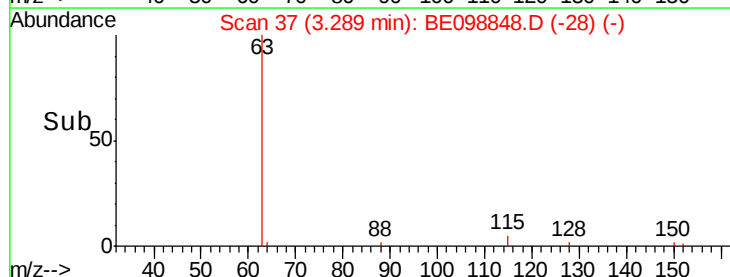
43 0.0 41.8 62.8#

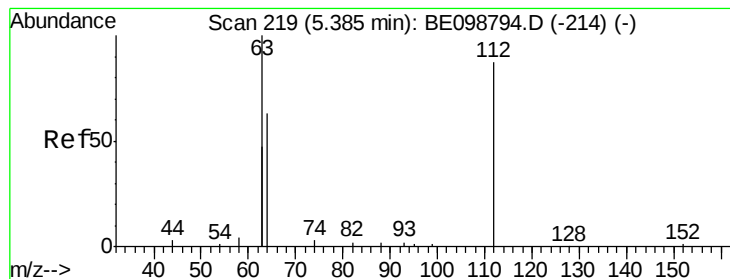


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.101 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.02 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

Instrument :

BNA\_E

ClientSampleId :

RE123D3-20190306

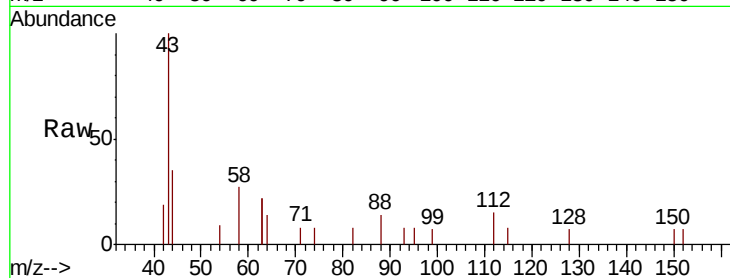
Tot Ion:112 Resp: 259

Ion Ratio Lower Upper

112 100

64 78.0 57.9 86.9

63 206.9 158.3 237.5

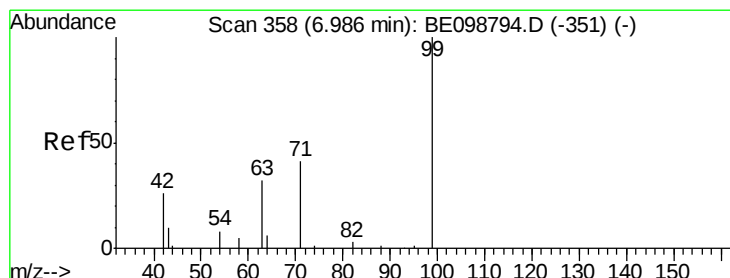
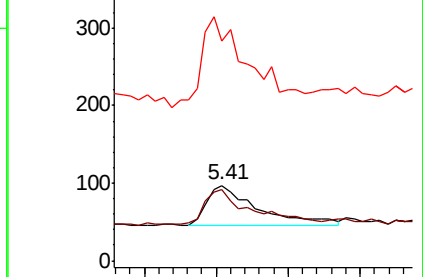
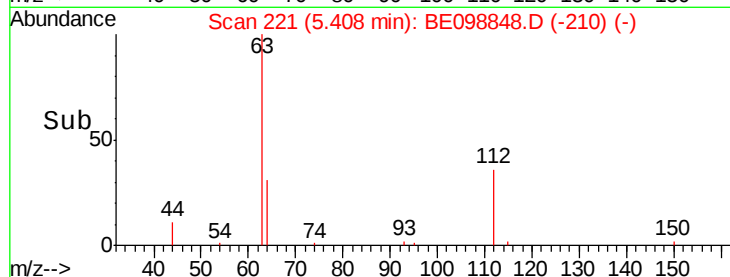


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->



#5

Phenol-d6

Concen: 0.048 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

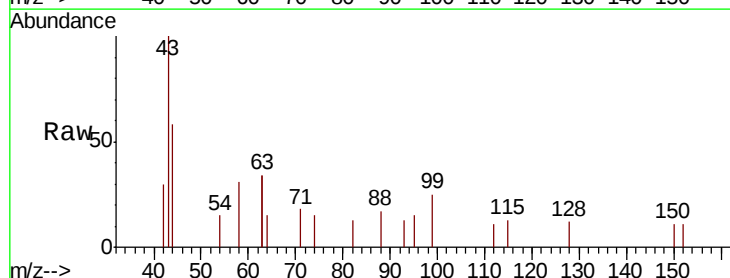
Tgt Ion: 99 Resp: 175

Ion Ratio Lower Upper

99 100

42 47.4 24.2 36.2#

71 36.6 35.7 53.5

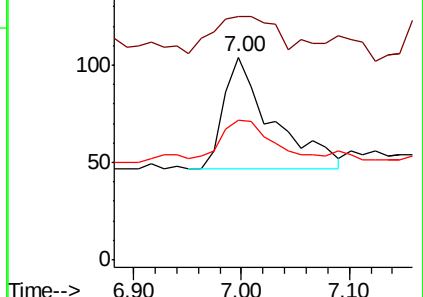
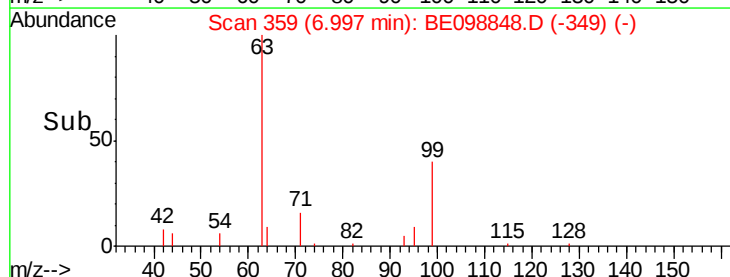


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

Instrument :

BNA\_E

ClientSampleId :

RE123D3-20190306

Tot Ion:136 Resp: 3361

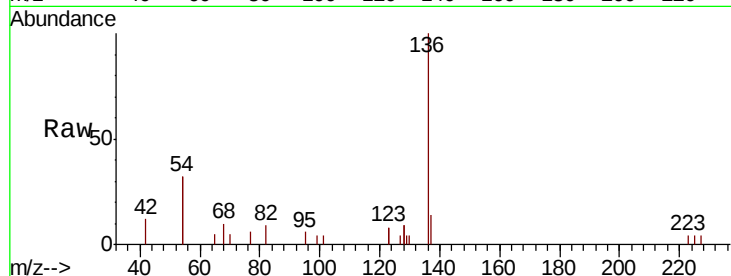
Ion Ratio Lower Upper

136 100

137 14.0 11.4 17.0

54 64.9 39.3 58.9#

68 10.3 6.7 10.1#

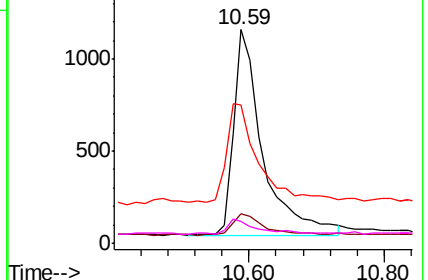
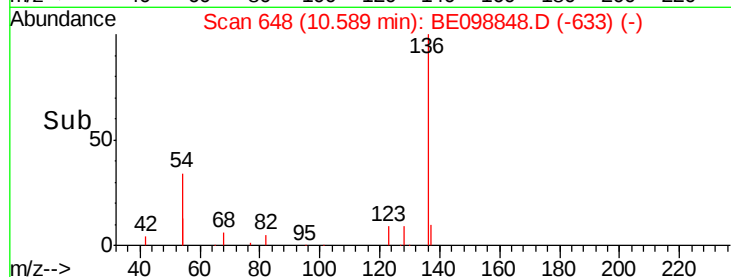


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.365 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

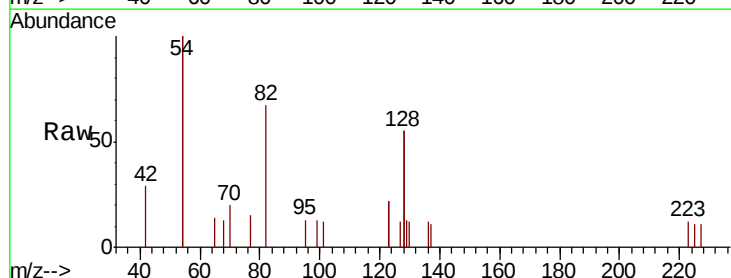
Tgt Ion: 82 Resp: 1285

Ion Ratio Lower Upper

82 100

128 162.9 123.8 185.8

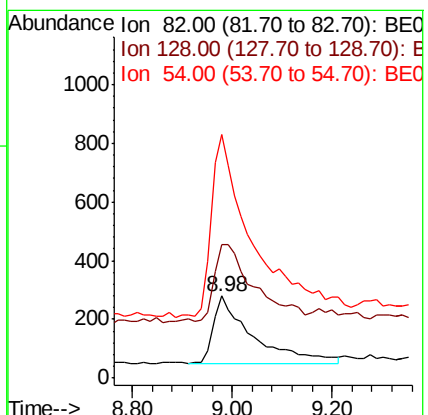
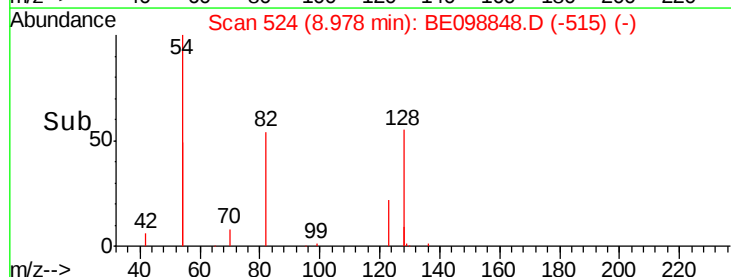
54 296.4 203.4 305.2



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

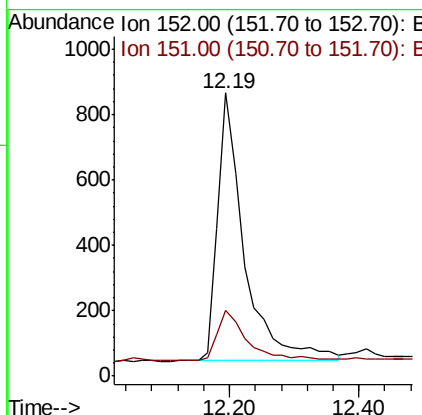
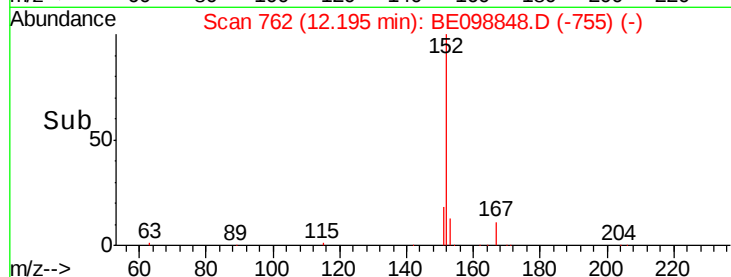
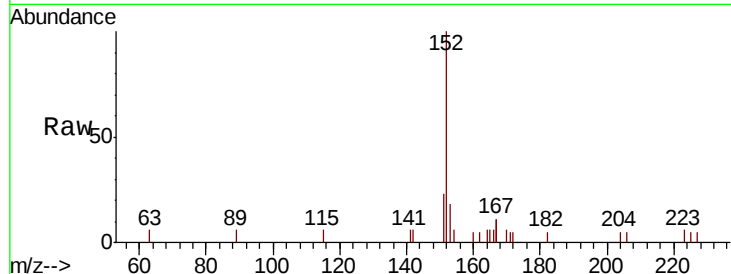




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.377 ng  
 RT: 12.19 min Scan# 762  
 Delta R.T. 0.00 min  
 Lab File: BE098848.D  
 Acq: 9 Mar 2019 00:55

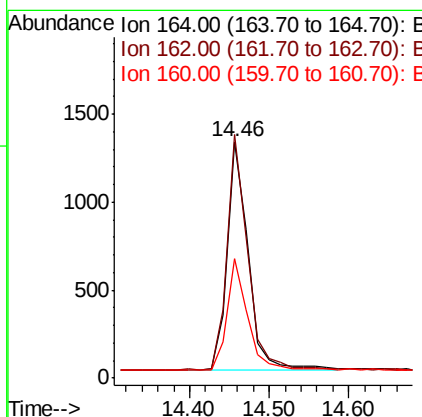
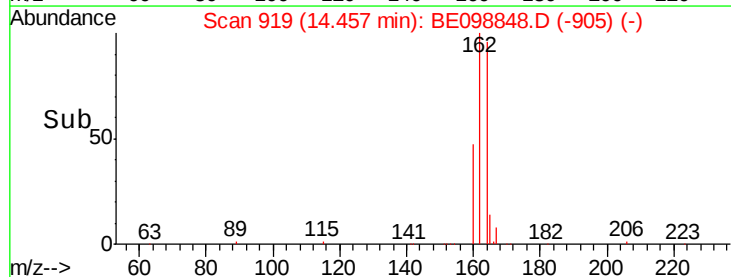
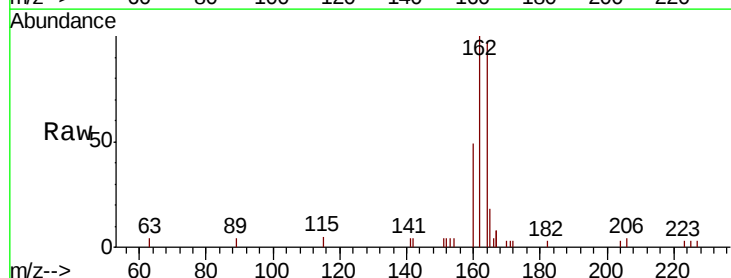
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE123D3-20190306

Tot Ion:152 Resp: 2343  
 Ion Ratio Lower Upper  
 152 100  
 151 21.4 16.5 24.7



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.46 min Scan# 919  
 Delta R.T. 0.00 min  
 Lab File: BE098848.D  
 Acq: 9 Mar 2019 00:55

Tgt Ion:164 Resp: 2376  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 80.2 120.2  
 160 50.6 37.8 56.8

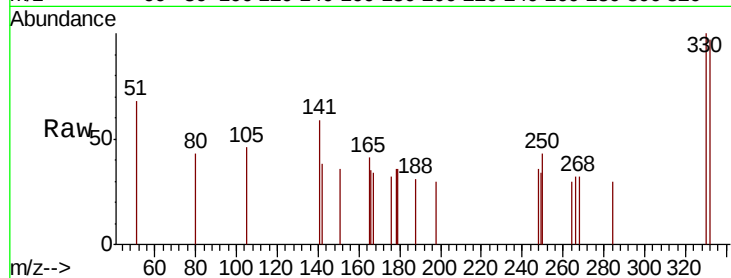




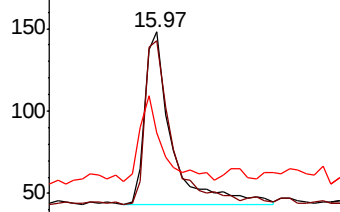
#14  
 2,4,6-Tribromophenol  
 Concen: 0.268 ng  
 RT: 15.97 min Scan# 1026  
 Delta R.T. -0.00 min  
 Lab File: BE098848.D  
 Acq: 9 Mar 2019 00:55

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE123D3-20190306

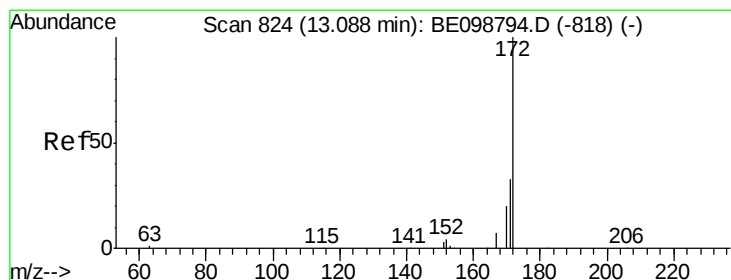
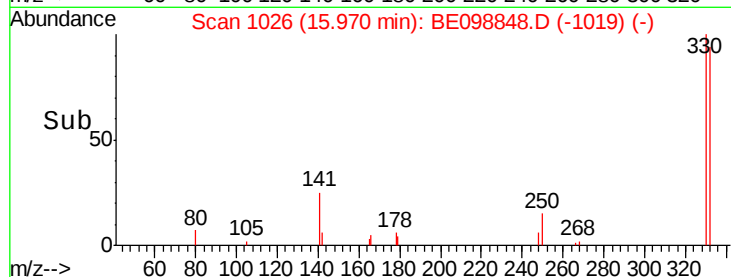
Tot Ion:330 Resp: 322  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.6 116.4  
 141 42.2 31.0 46.4



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

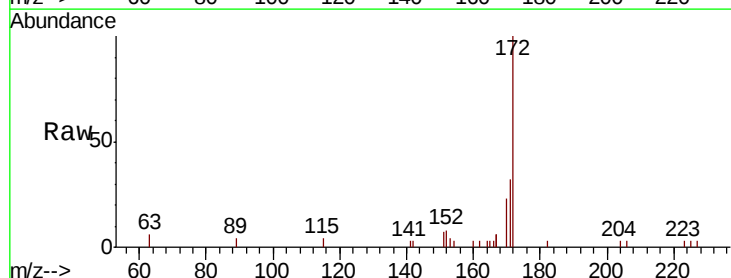


Time--> 15.80 16.00 16.20

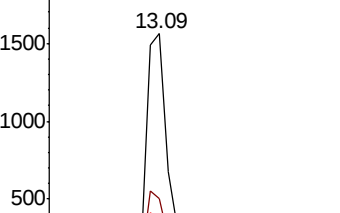


#15  
 2-Fluorobiphenyl  
 Concen: 0.425 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BE098848.D  
 Acq: 9 Mar 2019 00:55

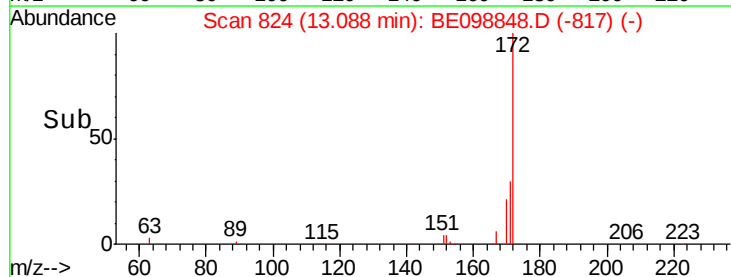
Tgt Ion:172 Resp: 4181  
 Ion Ratio Lower Upper  
 172 100  
 171 32.4 28.0 42.0  
 170 23.4 17.7 26.5



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



Time--> 13.00 13.20





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.22 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

Instrument :

BNA\_E

ClientSampleId :

RE123D3-20190306

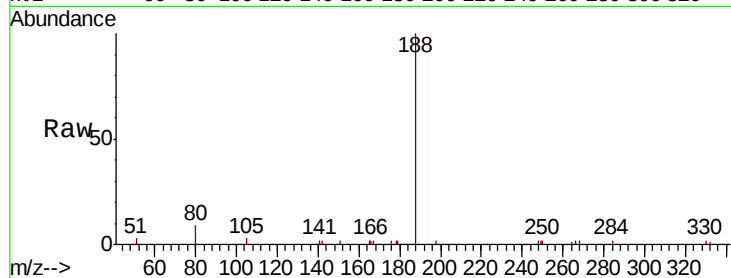
Tot Ion:188 Resp: 6121

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

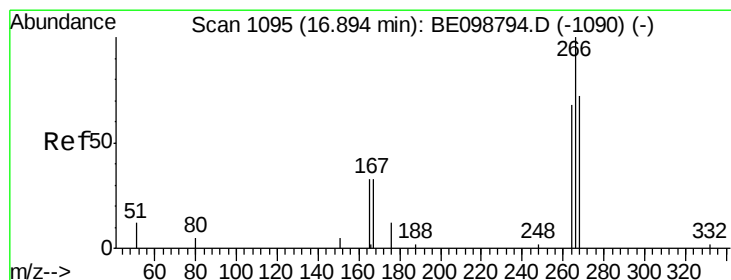
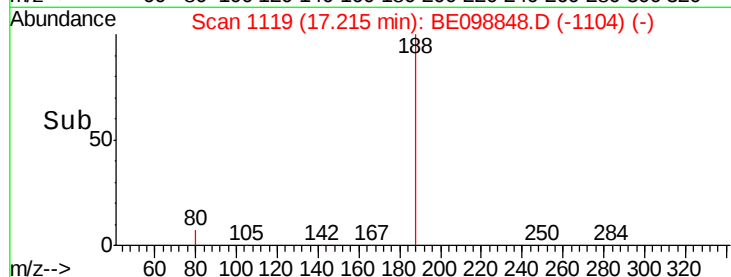
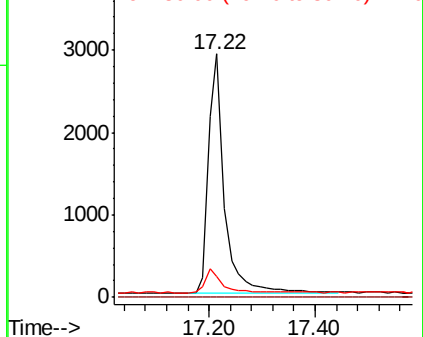
80 8.7 6.3 9.5



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: 0.287 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

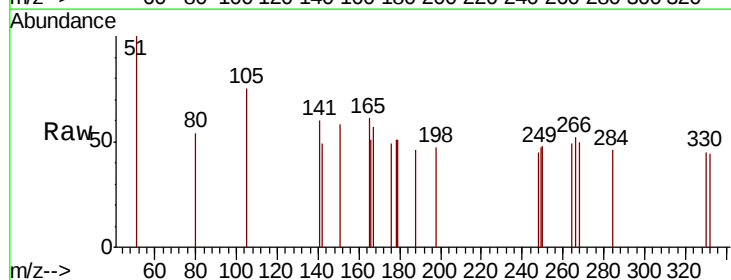
Tgt Ion:266 Resp: 30

Ion Ratio Lower Upper

266 100

264 92.5 66.6 100.0

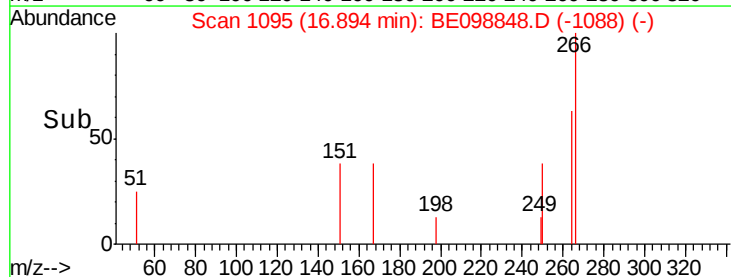
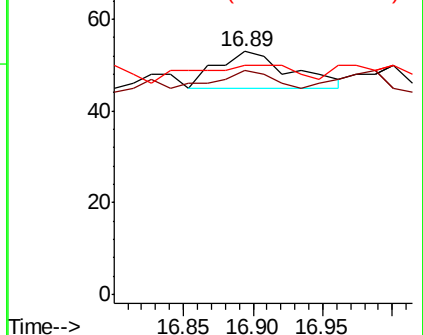
268 94.3 69.8 104.8

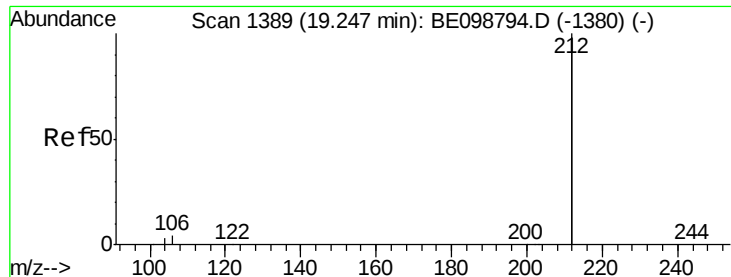


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

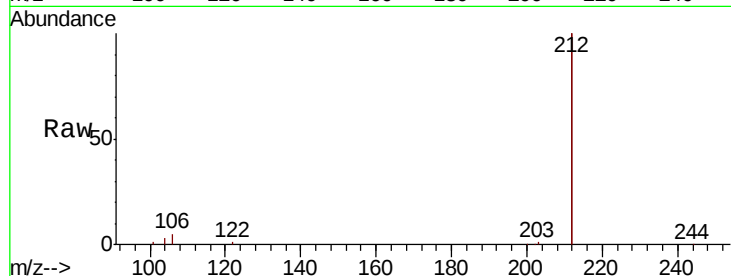




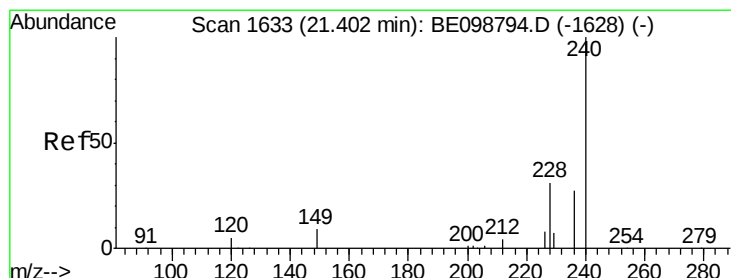
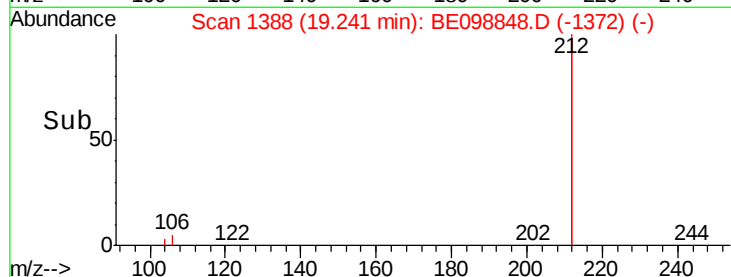
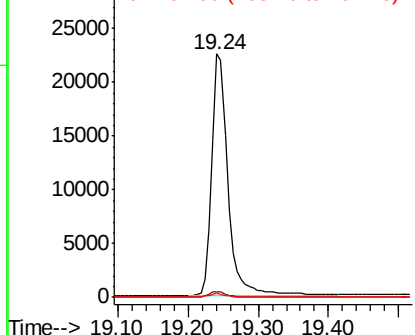
#25  
 Fluoranthene-d10  
 Concen: 0.366 ng  
 RT: 19.24 min Scan# 1388  
 Delta R.T. -0.01 min  
 Lab File: BE098848.D  
 Acq: 9 Mar 2019 00:55

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE123D3-20190306

Tot Ion:212 Resp: 35793  
 Ion Ratio Lower Upper  
 212 100  
 106 2.2 1.8 2.8  
 104 1.4 1.0 1.6

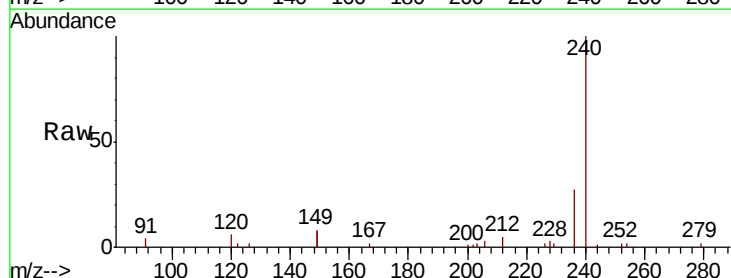


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

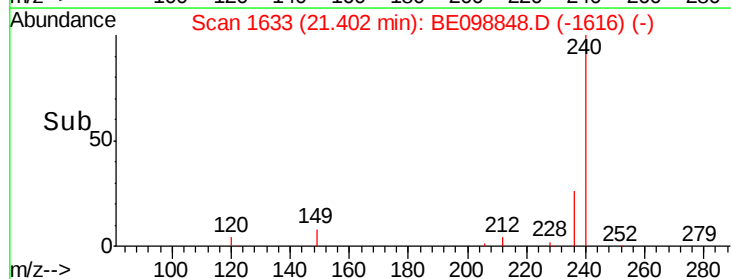
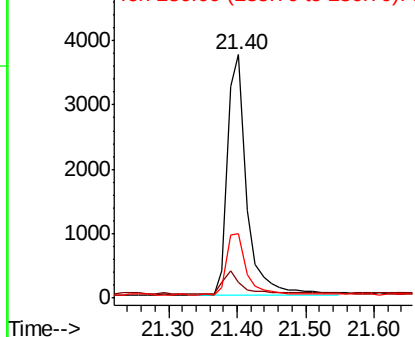


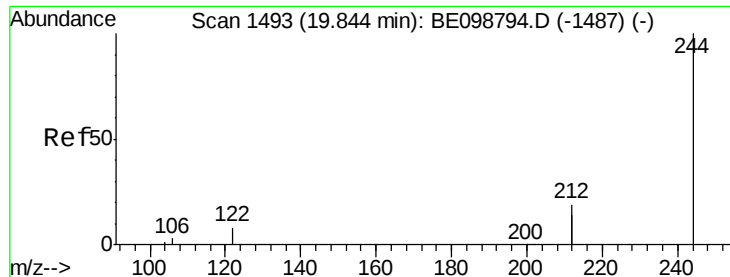
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.40 min Scan# 1633  
 Delta R.T. -0.00 min  
 Lab File: BE098848.D  
 Acq: 9 Mar 2019 00:55

Tgt Ion:240 Resp: 7314  
 Ion Ratio Lower Upper  
 240 100  
 120 6.3 5.0 7.4  
 236 26.7 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: 0.512 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

Instrument :

BNA\_E

ClientSampleId :

RE123D3-20190306

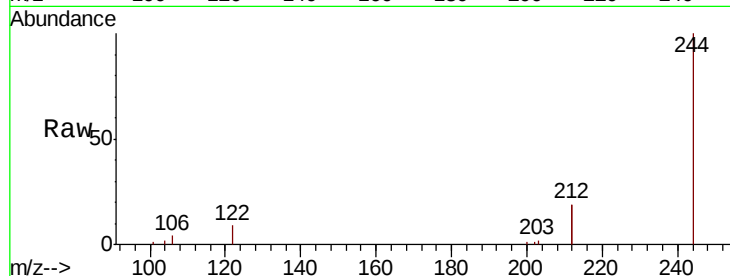
Tot Ion:244 Resp: 9095

Ion Ratio Lower Upper

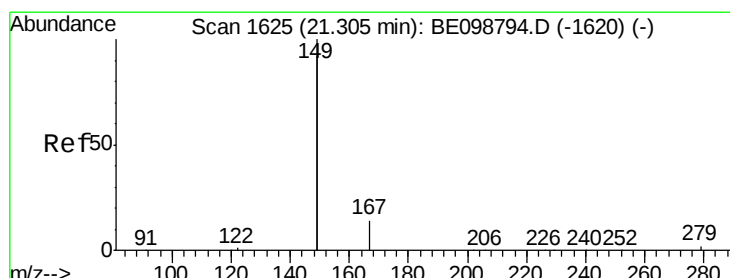
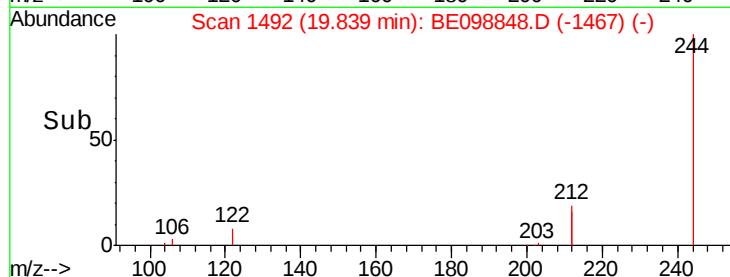
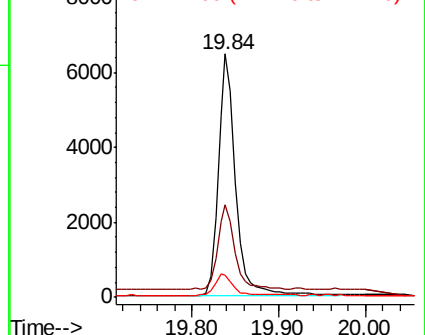
244 100

212 38.1 29.4 44.2

122 8.8 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: 0.068 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

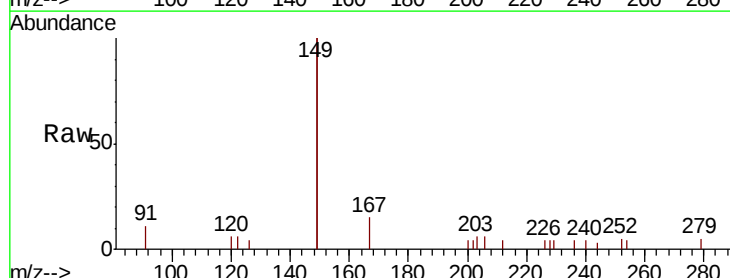
Tgt Ion:149 Resp: 3320

Ion Ratio Lower Upper

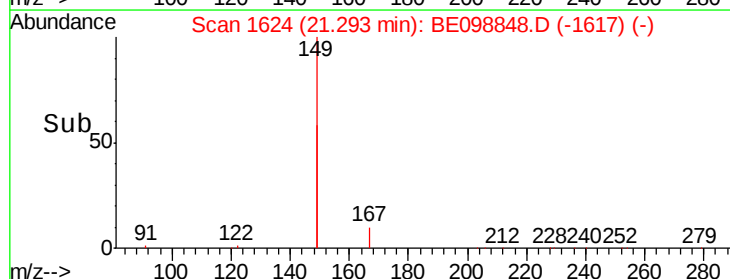
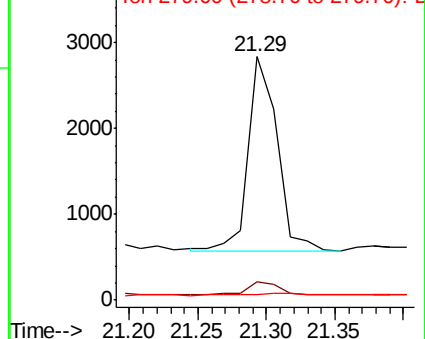
149 100

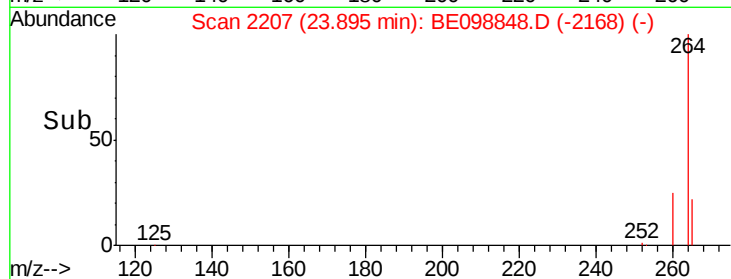
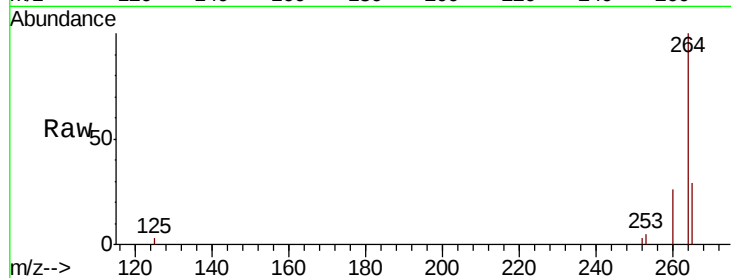
167 6.9 5.4 8.0

279 1.4 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

Pervlene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BE098848.D

Acq: 9 Mar 2019 00:55

Instrument :

BNA\_E

ClientSampleId :

RE123D3-20190306

Tot Ion:264 Resp: 7090

Ion Ratio Lower Upper

264 100

260 26.1 21.2 31.8

265 29.0 24.6 36.8

