

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031819\  
 Data File : BE099021.D  
 Acq On : 19 Mar 2019 4:14  
 Operator : JU/SJ  
 Sample : K1945-03  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M4-T1-OZ(POST)

Quant Time: Mar 19 08:58:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 15 05:31:33 2019  
 Response via : Initial Calibration

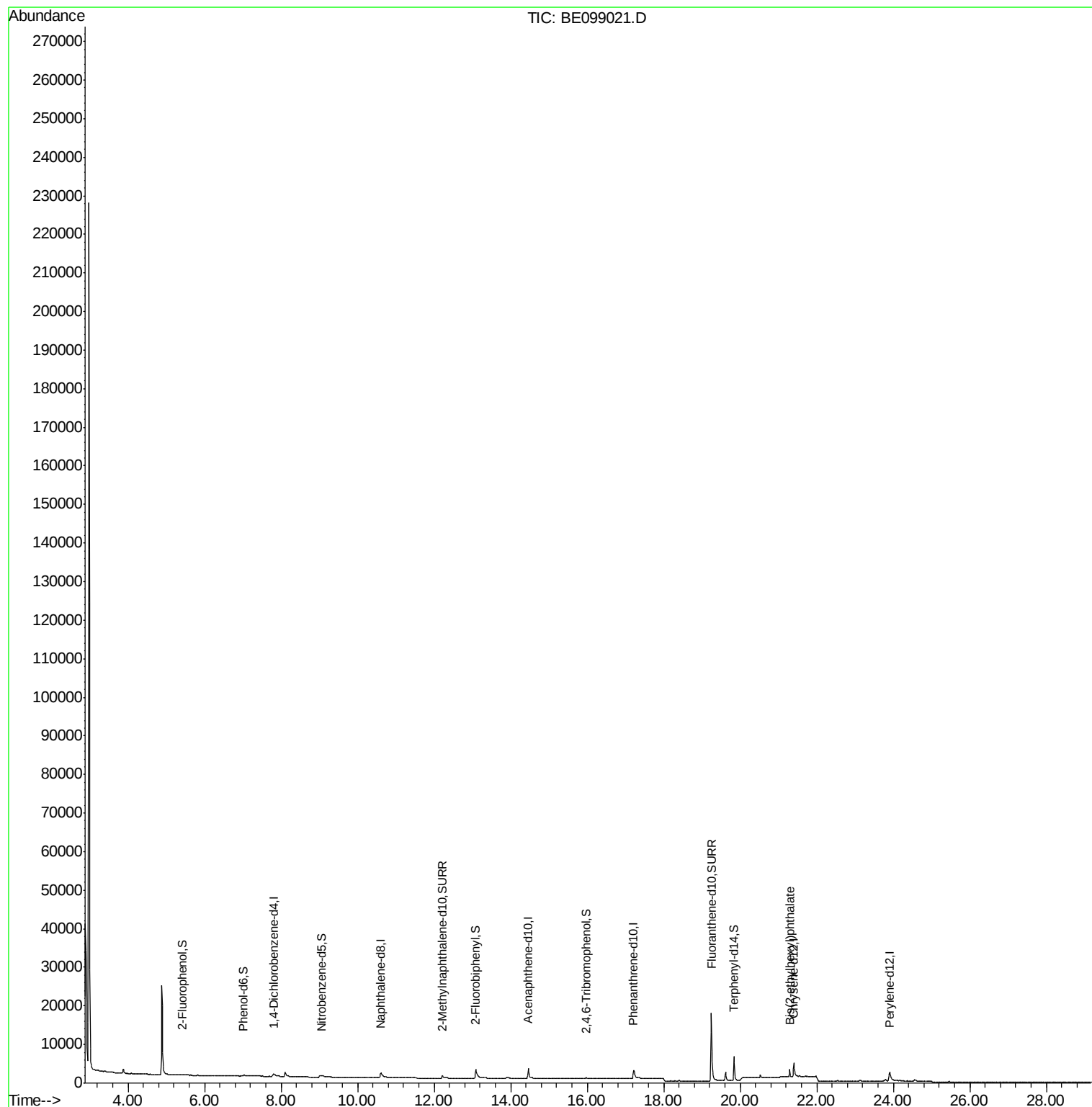
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.80  | 152  | 693      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.60 | 136  | 2966     | 0.40  | ng    | 0.01     |
| 13) Acenaphthene-d10           | 14.46 | 164  | 2310     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.21 | 188  | 5086     | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.40 | 240  | 5991     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.90 | 264  | 5446     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.42  | 112  | 368      | 0.18  | ng    | 0.04     |
| 5) Phenol-d6                   | 7.00  | 99   | 263      | 0.09  | ng    | 0.01     |
| 8) Nitrobenzene-d5             | 9.06  | 82   | 1085     | 0.35  | ng    | 0.09     |
| 11) 2-Methylnaphthalene-d10    | 12.21 | 152  | 2304     | 0.42  | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 15.98 | 330  | 323      | 0.28  | ng    | 0.01     |
| 15) 2-Fluorobiphenyl           | 13.09 | 172  | 5070     | 0.53  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.24 | 212  | 32838    | 0.40  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.84 | 244  | 7321     | 0.50  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2292     | 0.058 | ng    | 99       |

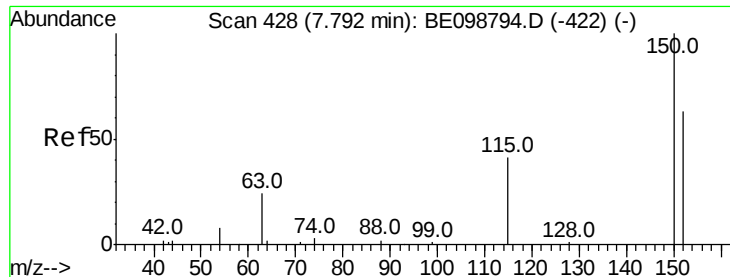
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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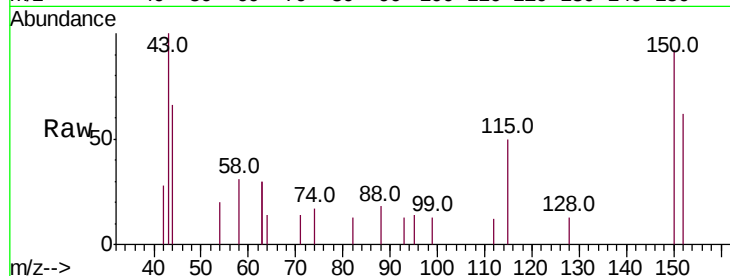


#1

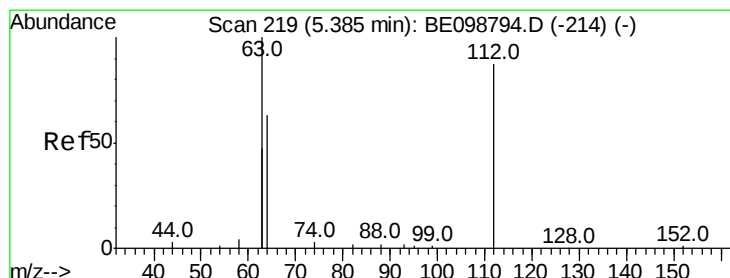
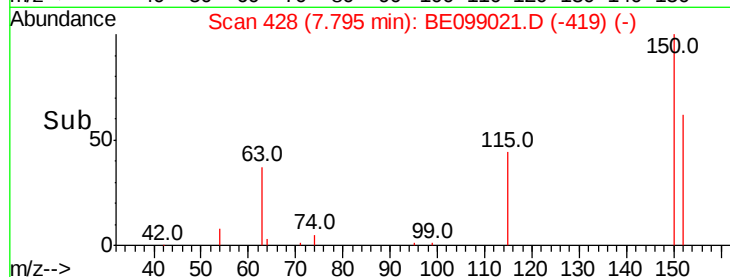
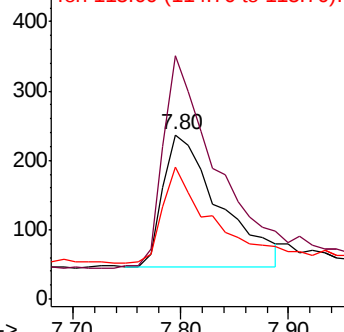
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.80 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BE099021.D  
Acq: 19 Mar 2019 4:14

Instrument :  
BNA\_E  
ClientSampleId :  
M4-T1-OZ(POST)

Tot Ion:152 Resp: 693  
Ion Ratio Lower Upper  
152 100  
150 148.1 122.5 183.7  
115 80.6 57.4 86.2



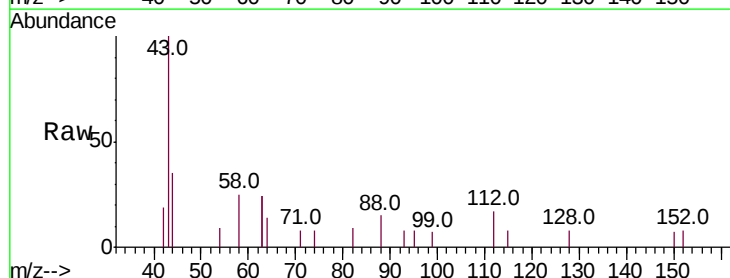
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



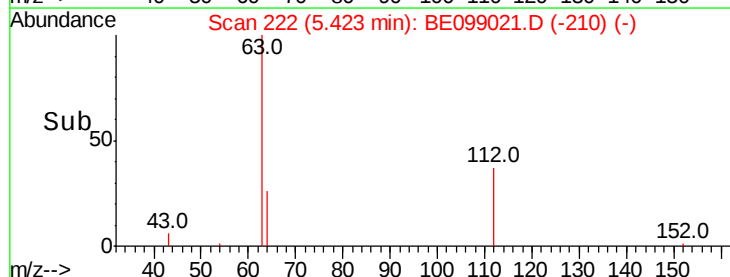
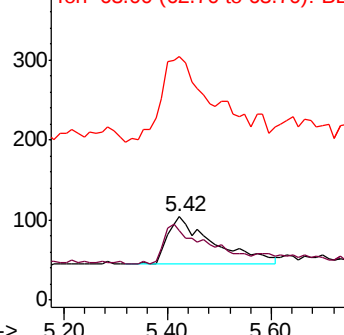
#4

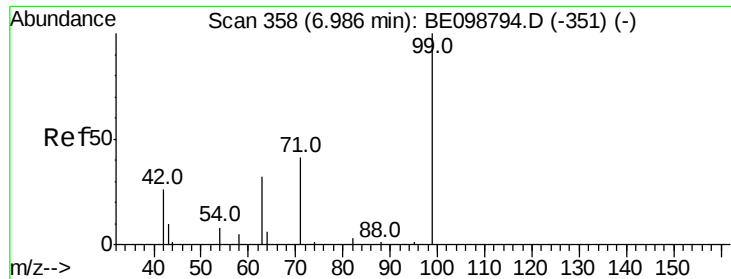
2-Fluorophenol  
Concen: 0.178 ng  
RT: 5.42 min Scan# 222  
Delta R.T. 0.04 min  
Lab File: BE099021.D  
Acq: 19 Mar 2019 4:14

Tgt Ion:112 Resp: 368  
Ion Ratio Lower Upper  
112 100  
64 80.2 57.9 86.9  
63 153.5 158.3 237.5#



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: 0.090 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099021.D

Acq: 19 Mar 2019 4:14

Instrument :

BNA\_E

ClientSampleId :

M4-T1-OZ(POST)

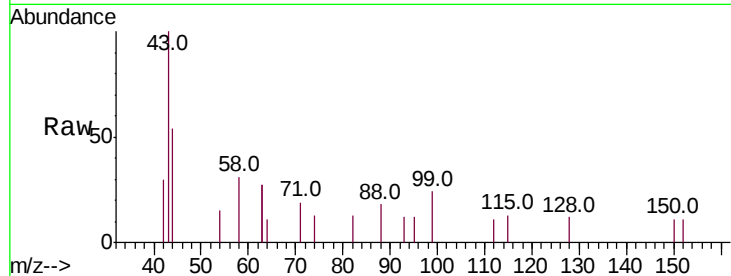
Tot Ion: 99 Resp: 263

Ion Ratio Lower Upper

99 100

42 35.7 24.2 36.2

71 49.8 35.7 53.5

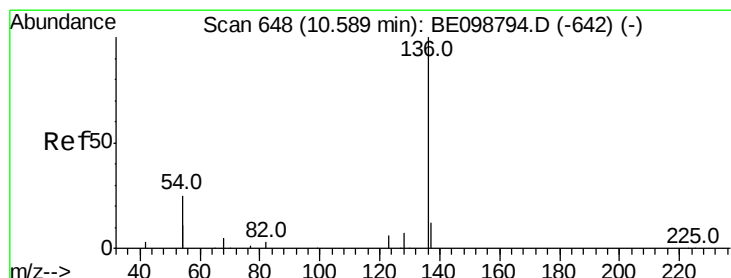
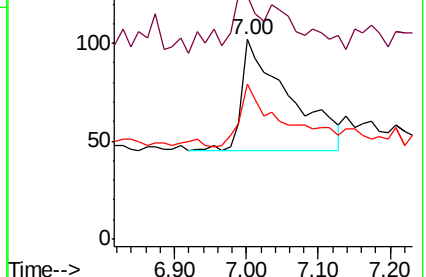
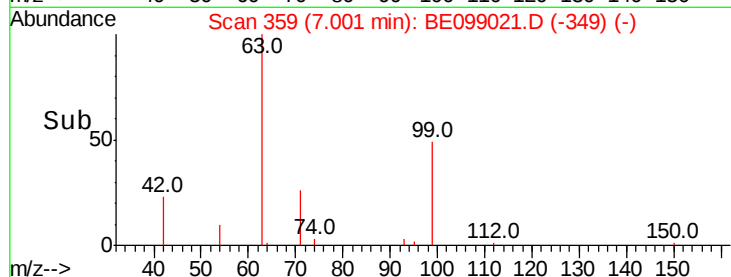


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE099021.D

Acq: 19 Mar 2019 4:14

Tgt Ion: 136 Resp: 2966

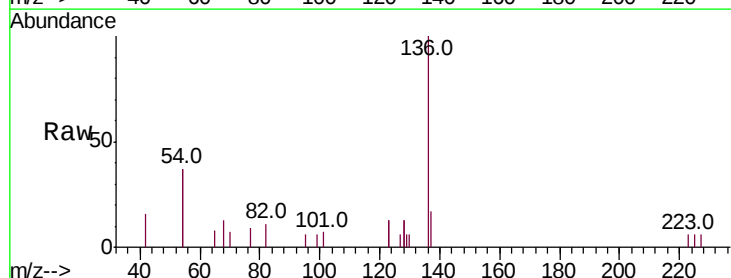
Ion Ratio Lower Upper

136 100

137 17.3 11.4 17.0#

54 74.5 39.3 58.9#

68 13.5 6.7 10.1#



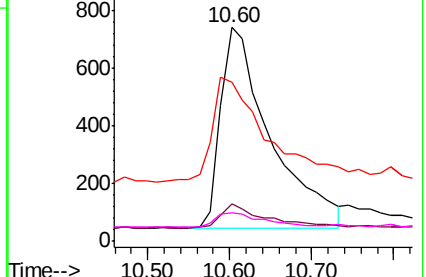
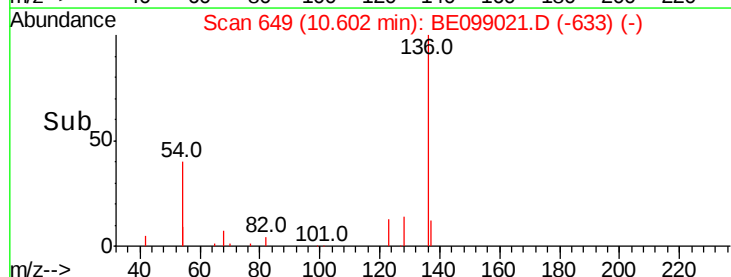
Abundance Ion 136.00 (135.70 to 136.70): E

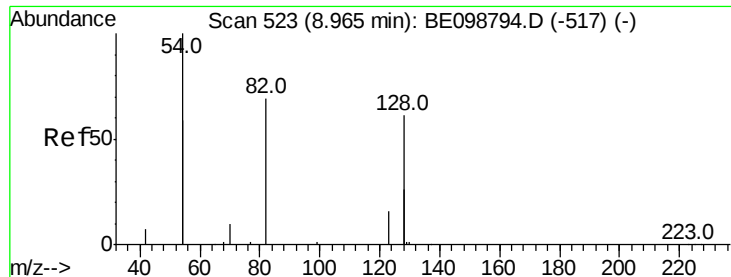
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->





#8

Nitrobenzene-d5

Concen: 0.349 ng

RT: 9.06 min Scan# 530

Delta R.T. 0.09 min

Lab File: BE099021.D

Acq: 19 Mar 2019 4:14

Instrument :

BNA\_E

ClientSampleId :

M4-T1-OZ(POST)

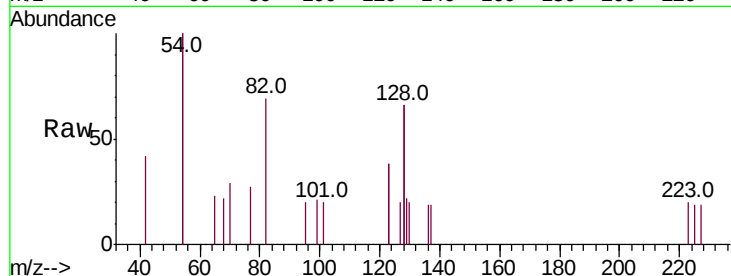
Tot Ion: 82 Resp: 1085

Ion Ratio Lower Upper

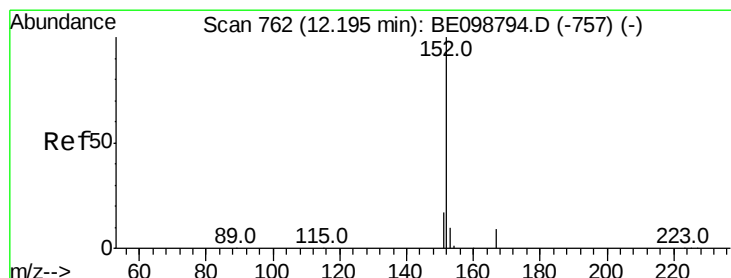
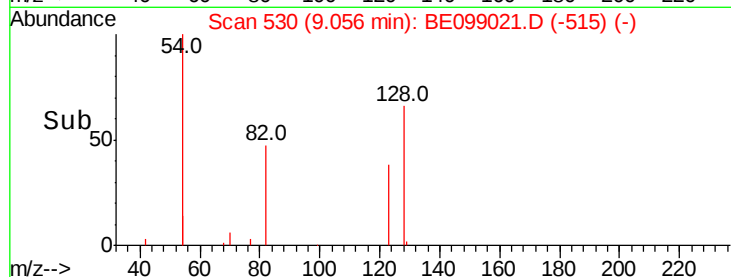
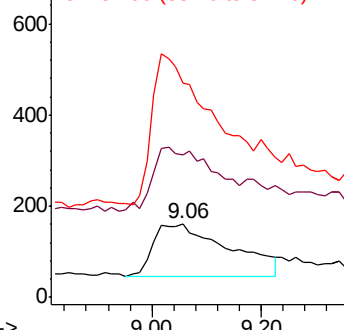
82 100

128 193.8 123.8 185.8#

54 291.9 203.4 305.2



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: 0.420 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.01 min

Lab File: BE099021.D

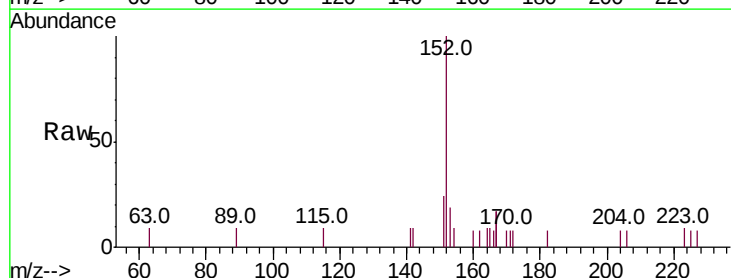
Acq: 19 Mar 2019 4:14

Tgt Ion:152 Resp: 2304

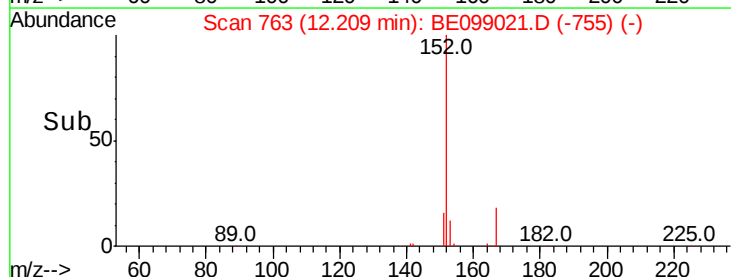
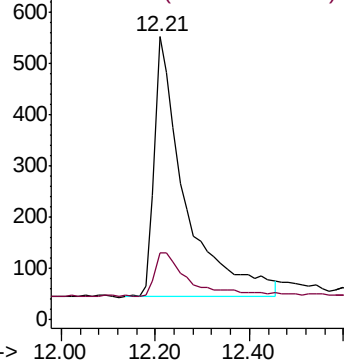
Ion Ratio Lower Upper

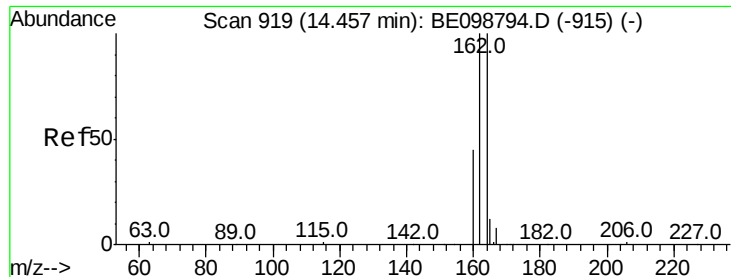
152 100

151 18.9 16.5 24.7



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

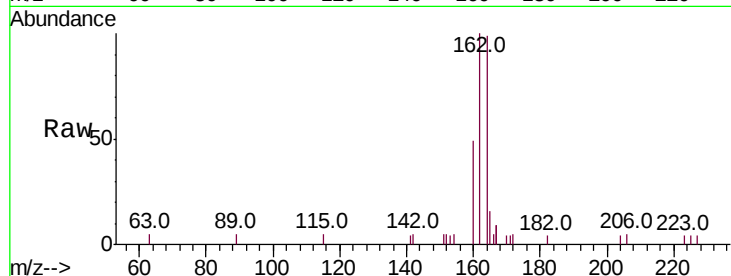




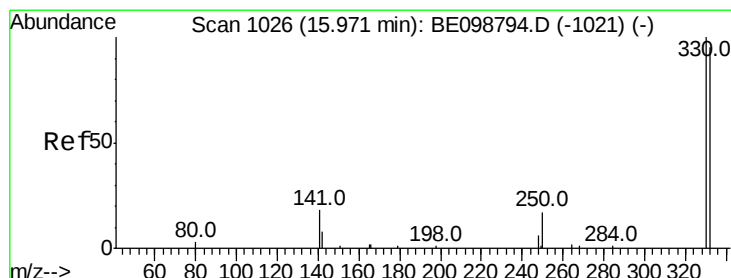
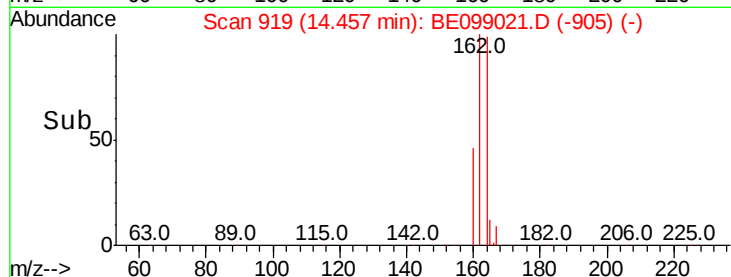
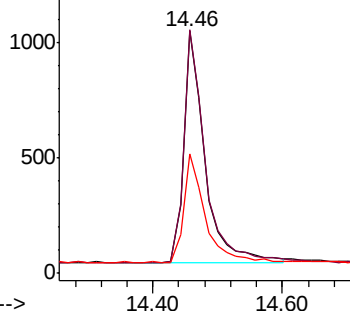
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.46 min Scan# 919  
 Delta R.T. 0.00 min  
 Lab File: BE099021.D  
 Acq: 19 Mar 2019 4:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M4-T1-OZ(POST)

Tot Ion:164 Resp: 2310  
 Ion Ratio Lower Upper  
 164 100  
 162 100.6 80.2 120.2  
 160 49.4 37.8 56.8

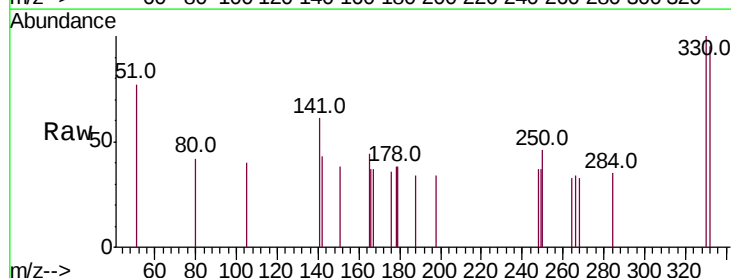


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

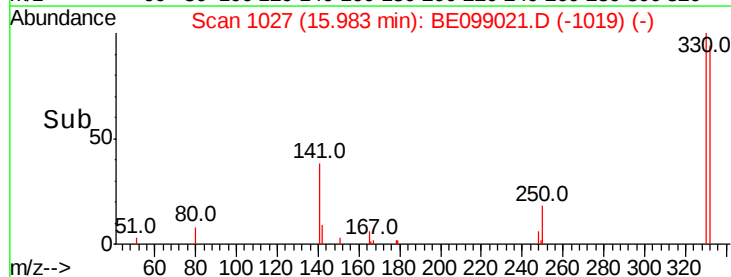
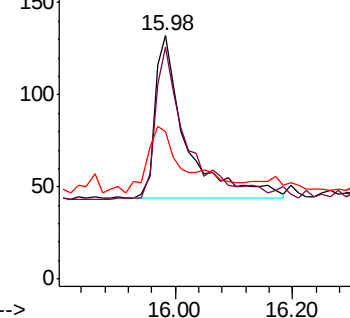


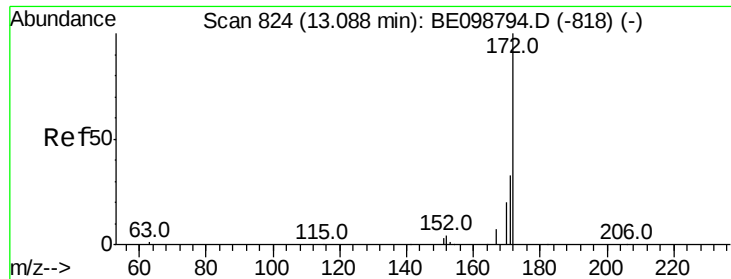
#14  
 2,4,6-Tribromophenol  
 Concen: 0.277 ng  
 RT: 15.98 min Scan# 1027  
 Delta R.T. 0.01 min  
 Lab File: BE099021.D  
 Acq: 19 Mar 2019 4:14

Tgt Ion:330 Resp: 323  
 Ion Ratio Lower Upper  
 330 100  
 332 93.8 77.6 116.4  
 141 49.8 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

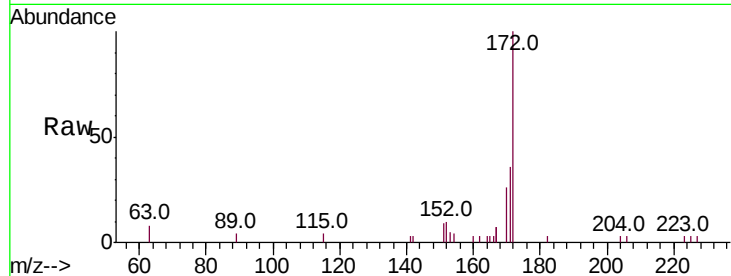




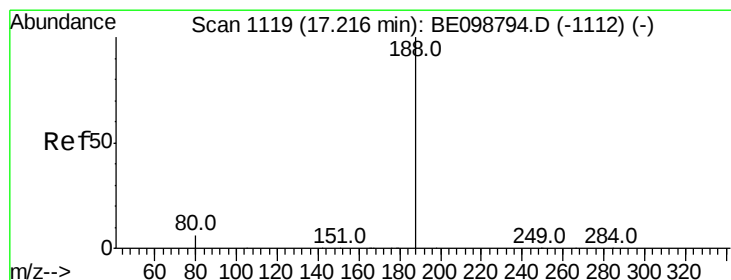
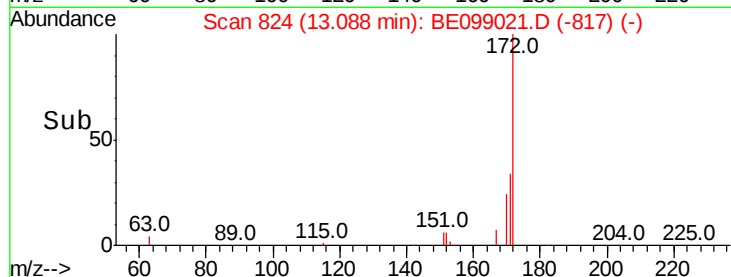
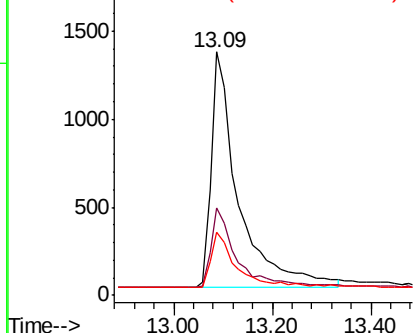
#15  
 2-Fluorobiphenyl  
 Concen: 0.530 ng  
 RT: 13.09 min Scan# 824  
 Delta R.T. 0.00 min  
 Lab File: BE099021.D  
 Acq: 19 Mar 2019 4:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 M4-T1-OZ(POST)

Tot Ion:172 Resp: 5070  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.0 42.0  
 170 26.2 17.7 26.5

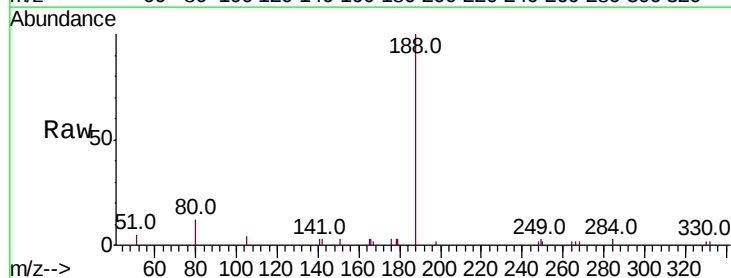


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

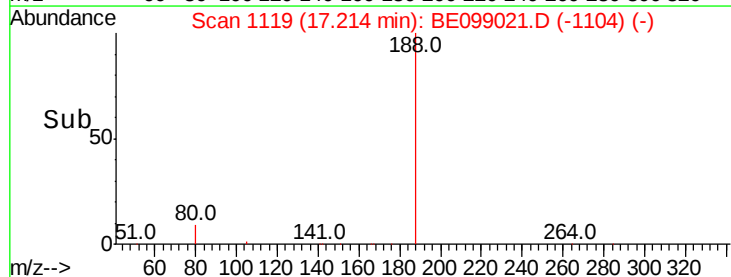
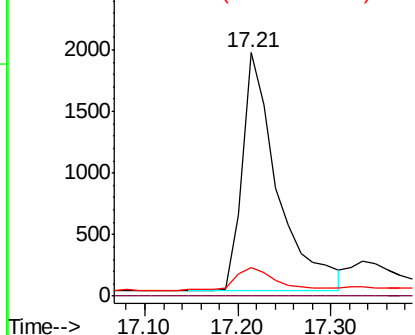


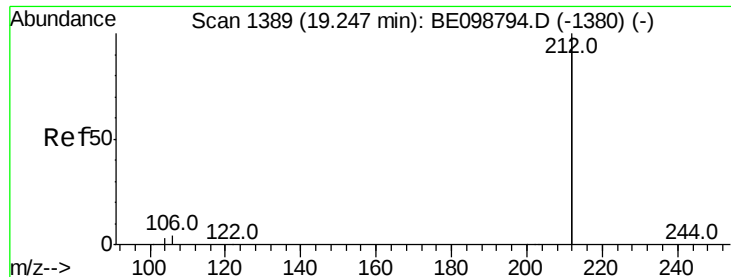
#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.21 min Scan# 1119  
 Delta R.T. -0.00 min  
 Lab File: BE099021.D  
 Acq: 19 Mar 2019 4:14

Tgt Ion:188 Resp: 5086  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 11.8 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





#25

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE099021.D

Acq: 19 Mar 2019 4:14

Instrument :

BNA\_E

ClientSampleId :

M4-T1-OZ(POST)

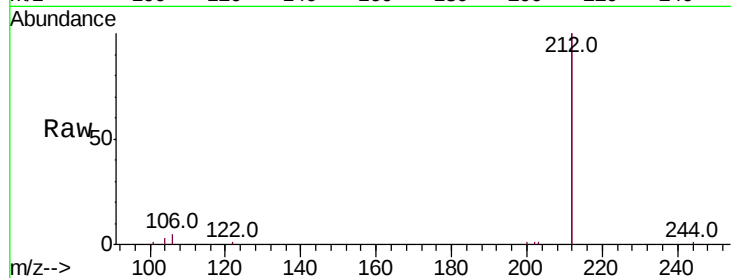
Tot Ion:212 Resp: 32838

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

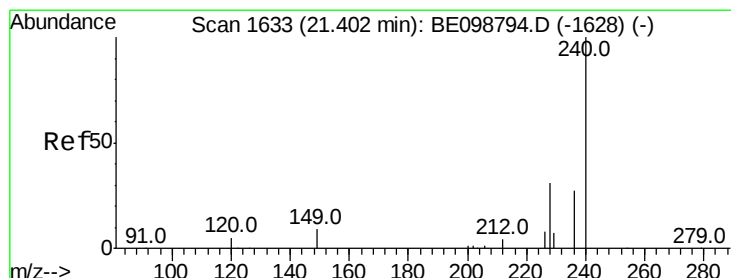
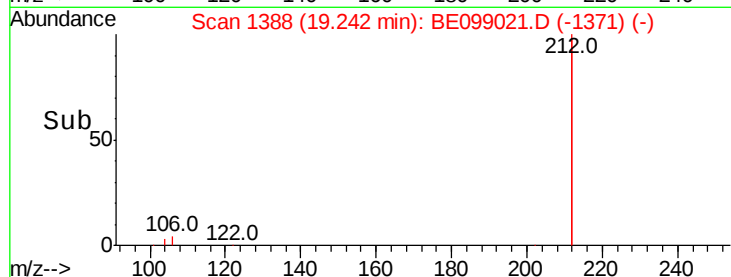
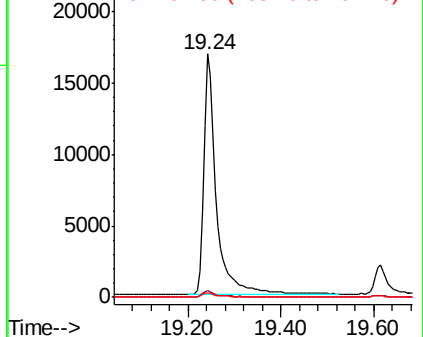
104 1.4 1.0 1.6



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: BE099021.D

Acq: 19 Mar 2019 4:14

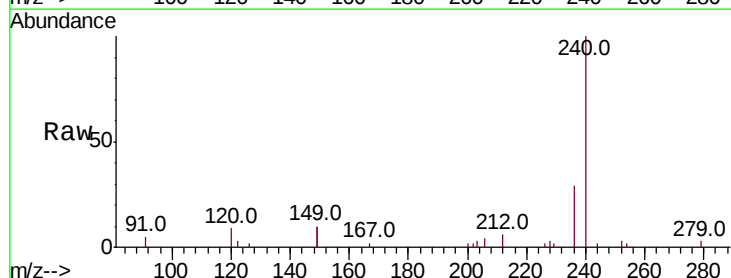
Tgt Ion:240 Resp: 5991

Ion Ratio Lower Upper

240 100

120 9.4 5.0 7.4#

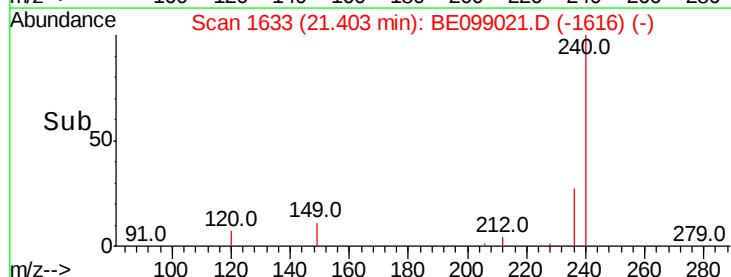
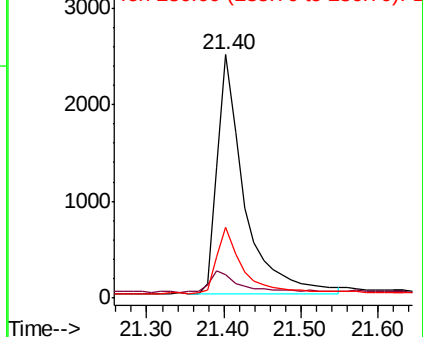
236 28.9 22.7 34.1

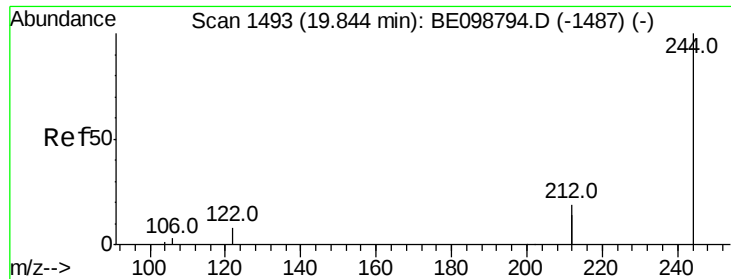


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.503 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE099021.D

Acq: 19 Mar 2019 4:14

Instrument :

BNA\_E

ClientSampleId :

M4-T1-OZ(POST)

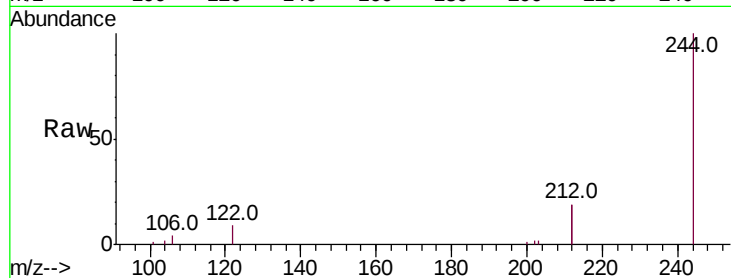
Tot Ion:244 Resp: 7321

Ion Ratio Lower Upper

244 100

212 38.6 29.4 44.2

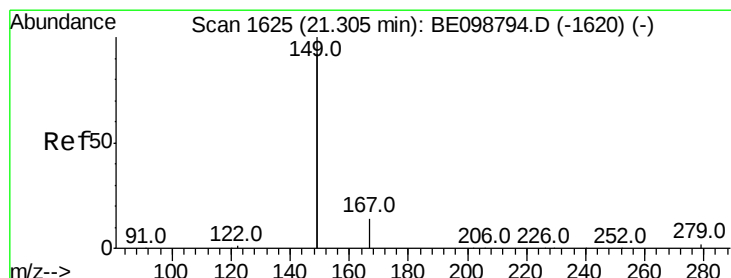
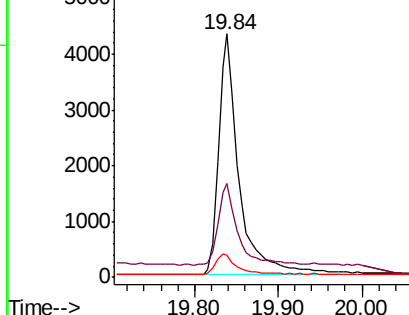
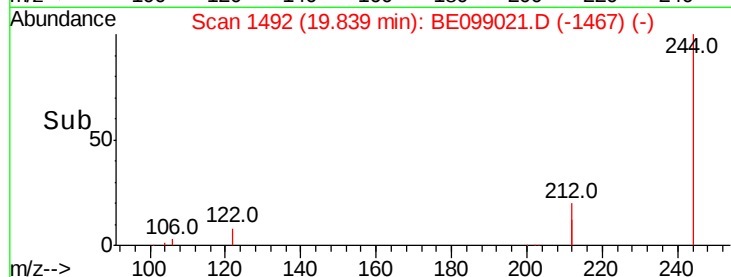
122 9.0 7.1 10.7



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: BE099021.D

Acq: 19 Mar 2019 4:14

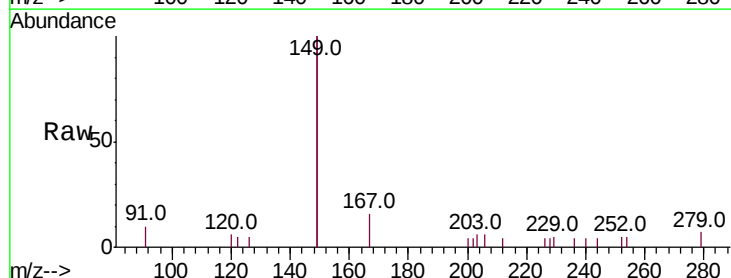
Tgt Ion:149 Resp: 2292

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

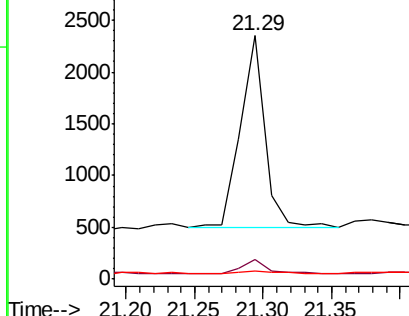
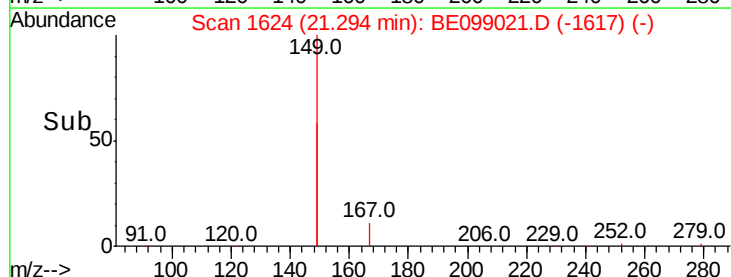
279 1.4 1.0 1.4

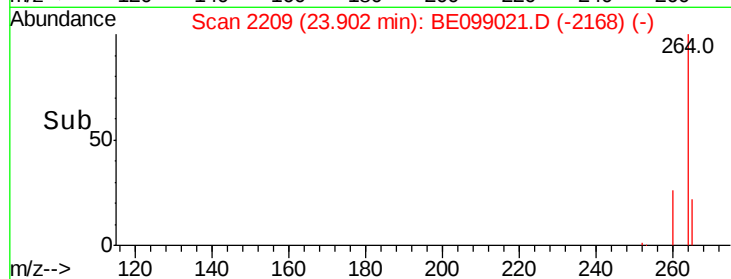
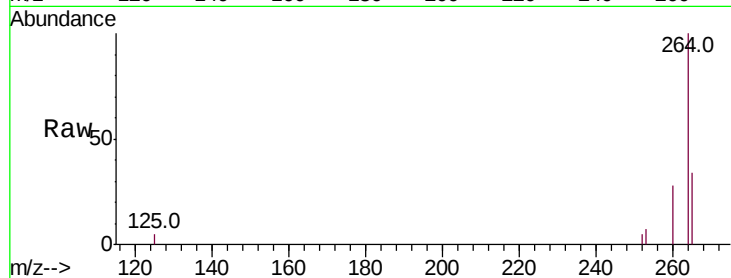
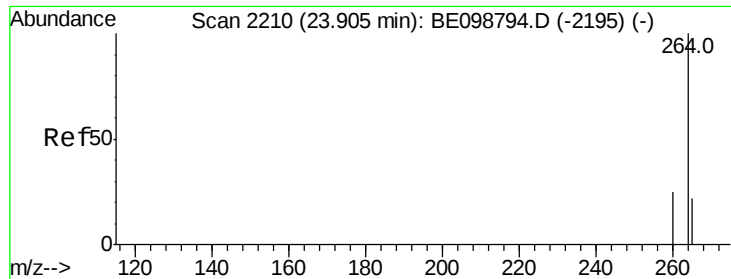


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2209

Delta R.T. -0.00 min

Lab File: BE099021.D

Acq: 19 Mar 2019 4:14

Instrument :

BNA\_E

ClientSampleId :

M4-T1-OZ(POST)

Tot Ion:264 Resp: 5446

Ion Ratio Lower Upper

264 100

260 27.7 21.2 31.8

265 33.5 24.6 36.8

