

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110818\  
 Data File : BE098168.D  
 Acq On : 7 Nov 2018 11:33  
 Operator : SJ/JU  
 Sample : J5820-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Nov 07 16:26:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE110118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 01 13:00:52 2018  
 Response via : Initial Calibration

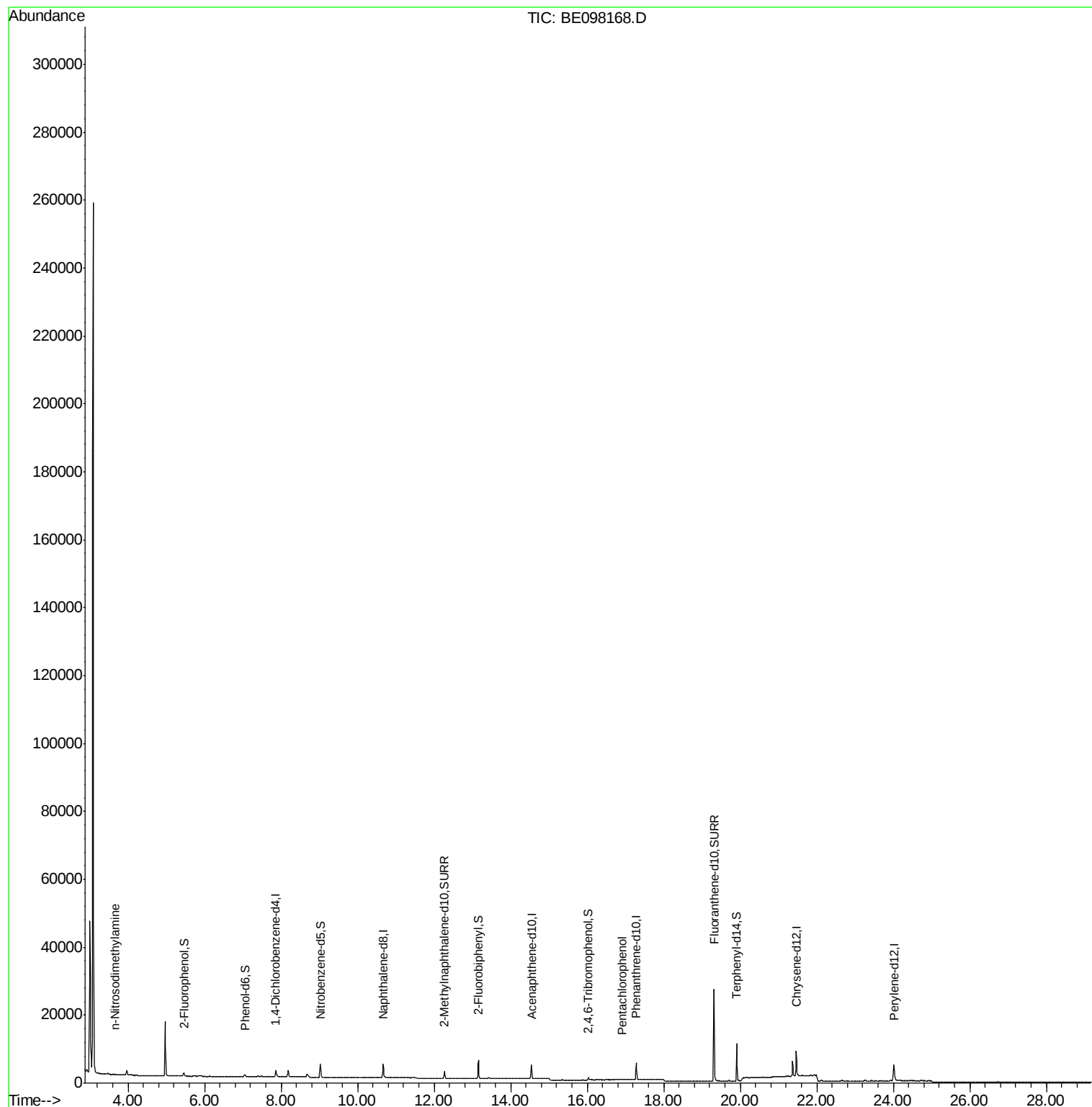
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.86  | 152  | 889      | 0.40      | ng    | -0.01    |
| 7) Naphthalene-d8              | 10.67 | 136  | 4465     | 0.40      | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.54 | 164  | 3098     | 0.40      | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.28 | 188  | 7208     | 0.40      | ng    | 0.00     |
| 27) Chrysene-d12               | 21.46 | 240  | 8066     | 0.40      | ng    | 0.00     |
| 34) Perylene-d12               | 24.02 | 264  | 7705     | 0.40      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.46  | 112  | 532      | 0.20      | ng    | 0.00     |
| 5) Phenol-d6                   | 7.05  | 99   | 485      | 0.11      | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.03  | 82   | 1789     | 0.37      | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.27 | 152  | 3073     | 0.39      | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 509      | 0.35      | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 5983     | 0.47      | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.32 | 212  | 37563    | 0.40      | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.91 | 244  | 9732     | 0.52      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 3) n-Nitrosodimethylamine      | 3.67  | 42   | 40       | 0.023     | ng    | # 8      |
| 22) Pentachlorophenol          | 16.92 | 266  | 7        | 0.139     | ng    | # 58     |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149  | 5755     | Below Cal |       | # 99     |

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

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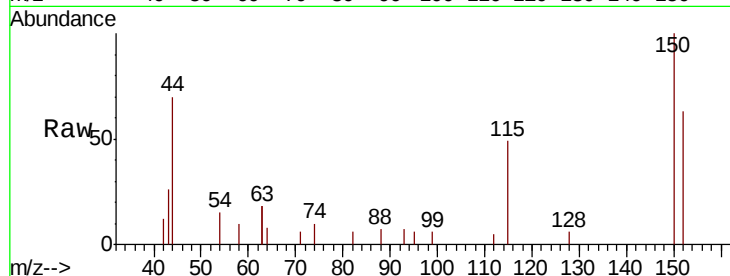


#1

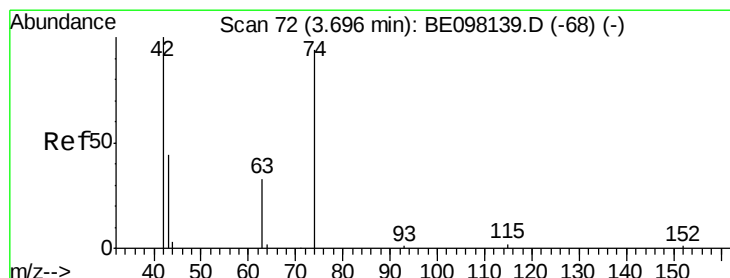
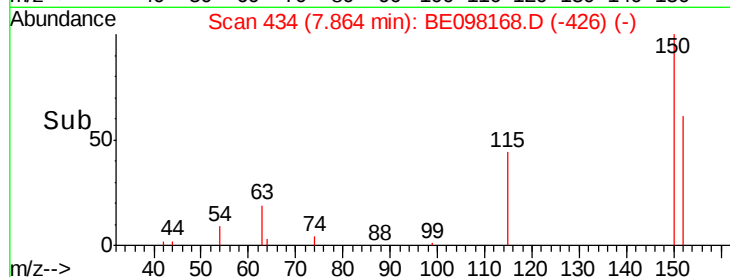
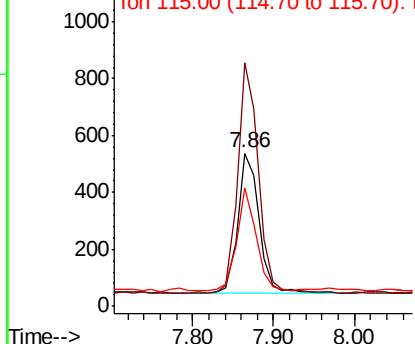
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. -0.01 min  
Lab File: BE098168.D  
Acq: 7 Nov 2018 11:33

Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:152 Resp: 889  
Ion Ratio Lower Upper  
152 100  
150 159.4 118.2 177.4  
115 77.7 50.9 76.3#



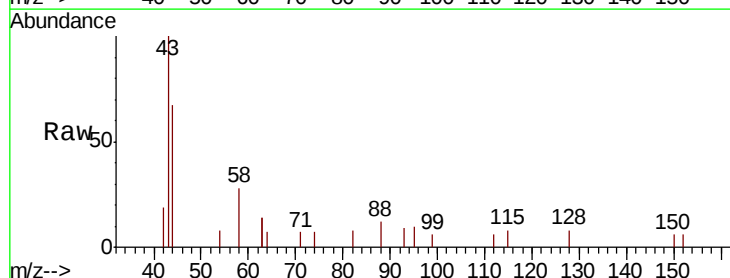
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



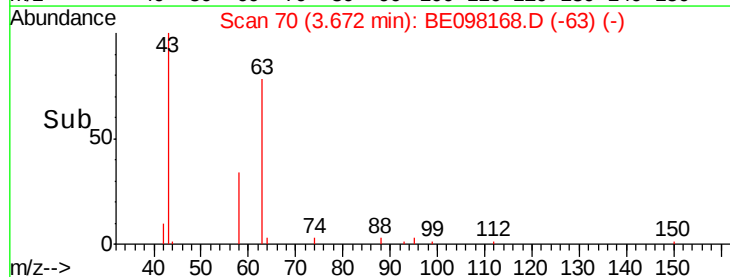
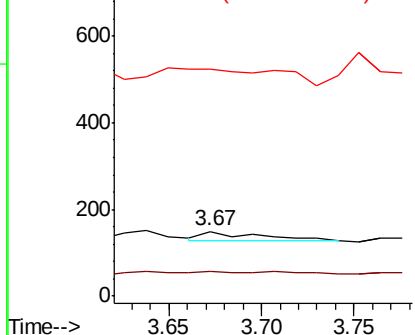
#3

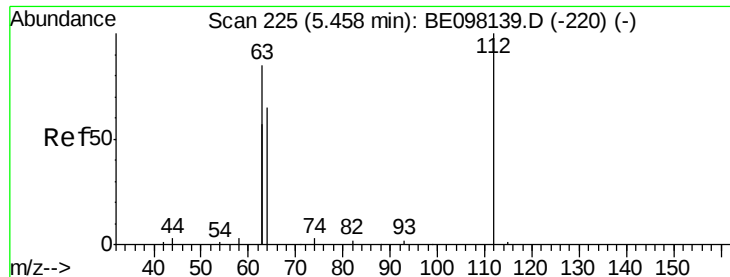
n-Nitrosodimethylamine  
Concen: 0.023 ng  
RT: 3.67 min Scan# 70  
Delta R.T. -0.02 min  
Lab File: BE098168.D  
Acq: 7 Nov 2018 11:33

Tgt Ion: 42 Resp: 40  
Ion Ratio Lower Upper  
42 100  
74 0.0 77.6 116.4#  
44 0.0 7.6 11.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.202 ng

RT: 5.46 min Scan# 225

Delta R.T. -0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_E

ClientSampled :

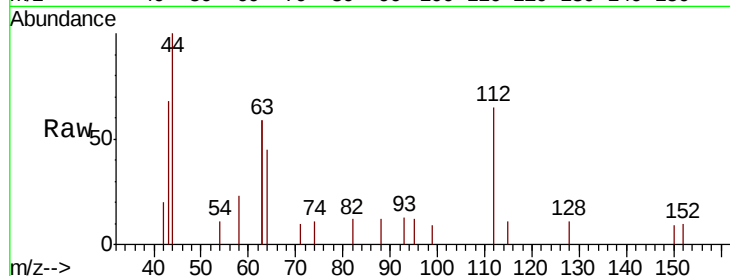
Tot Ion:112 Resp: 532

Ion Ratio Lower Upper

112 100

64 80.5 58.9 88.3

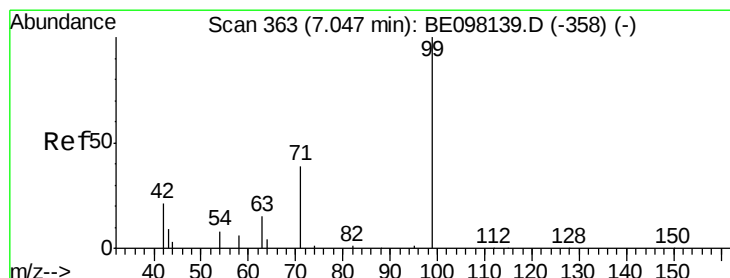
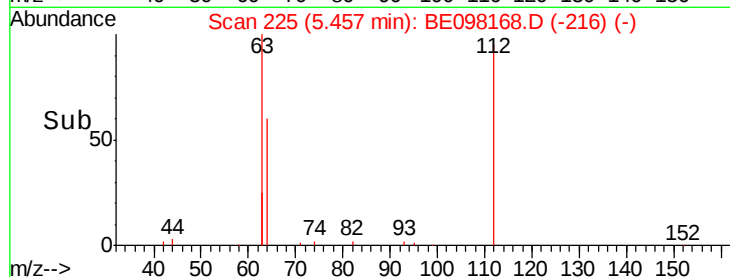
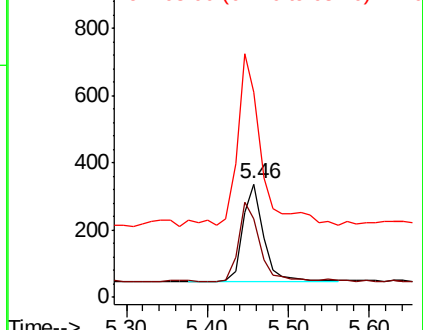
63 189.5 120.3 180.5#



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



#5

Phenol-d6

Concen: 0.112 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

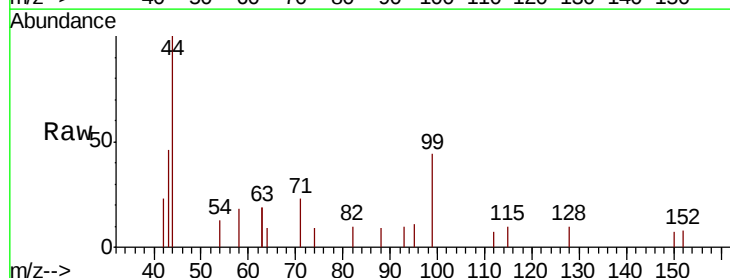
Tgt Ion: 99 Resp: 485

Ion Ratio Lower Upper

99 100

42 35.3 19.9 29.9#

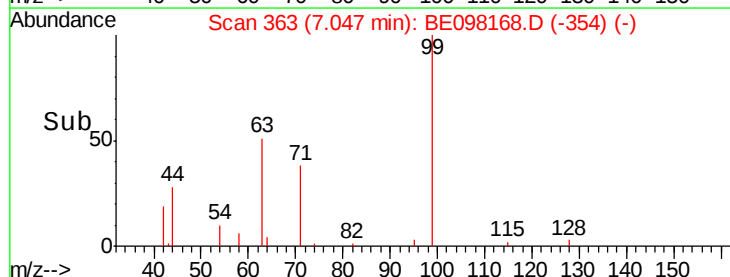
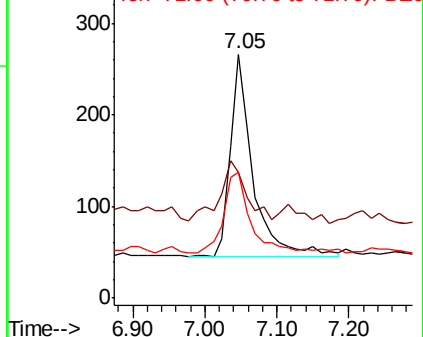
71 47.0 27.8 41.8#

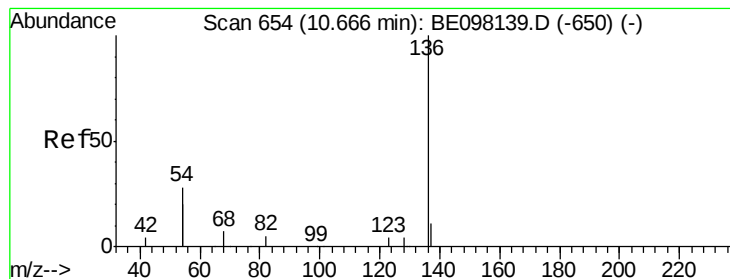


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 4465

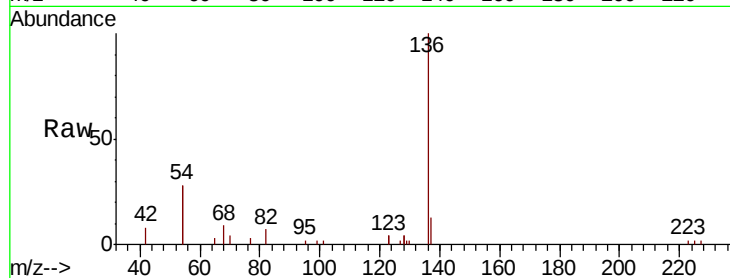
Ion Ratio Lower Upper

136 100

137 12.8 9.6 14.4

54 56.4 27.7 41.5#

68 8.8 5.3 7.9#

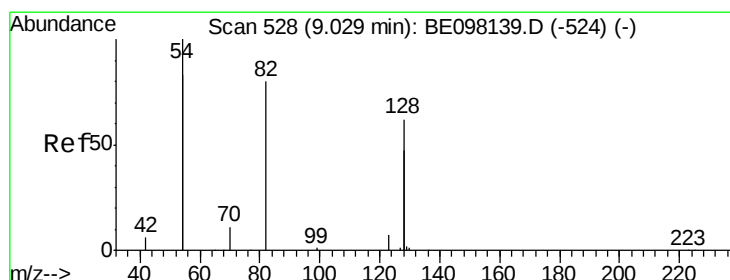
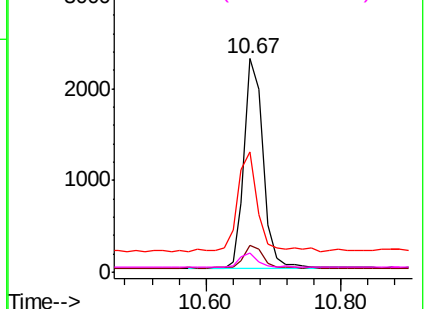
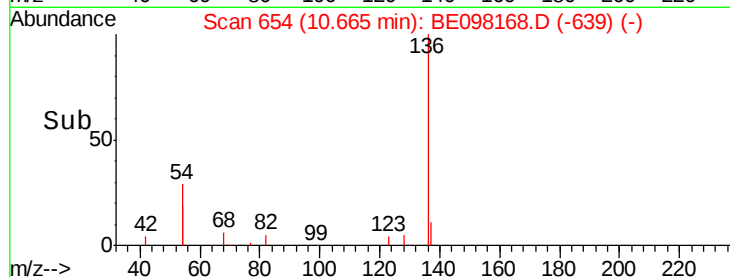


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.374 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

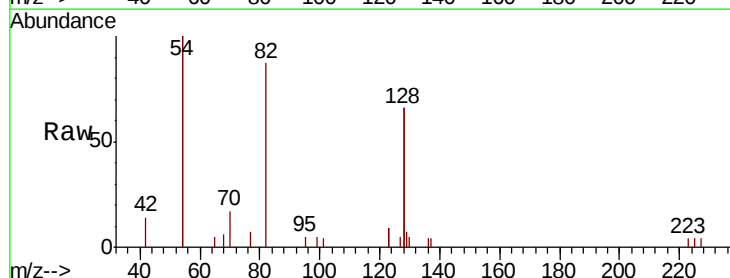
Tgt Ion: 82 Resp: 1789

Ion Ratio Lower Upper

82 100

128 151.7 129.9 194.9

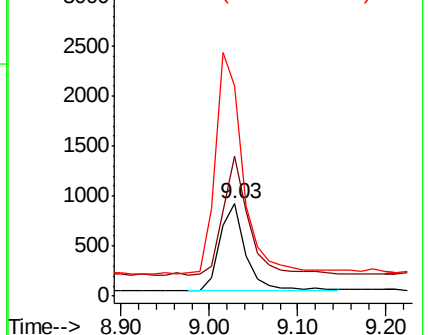
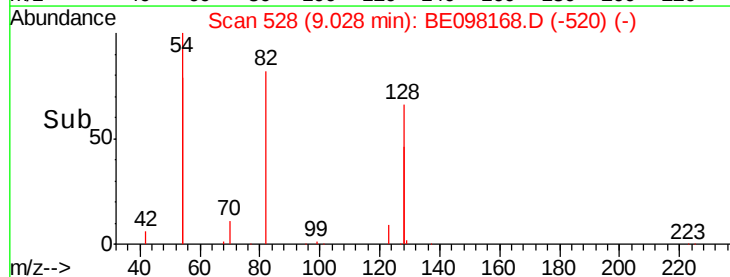
54 229.3 174.0 261.0

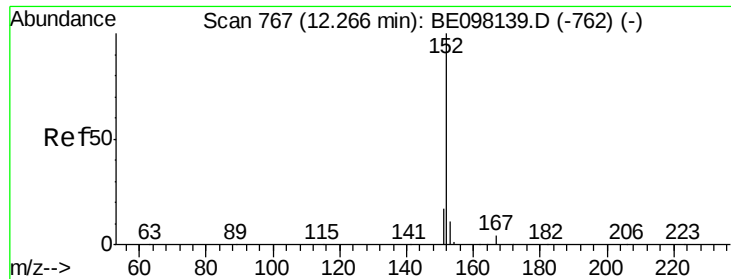


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

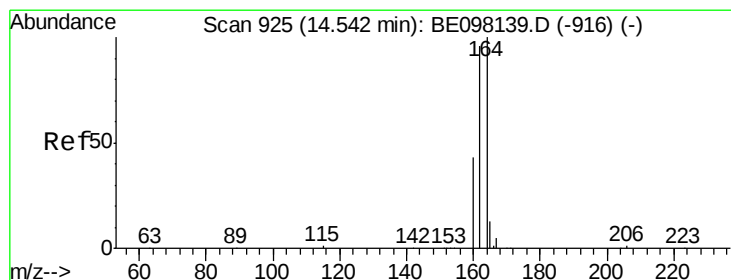
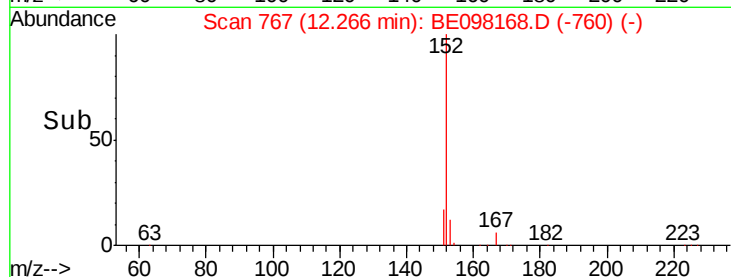
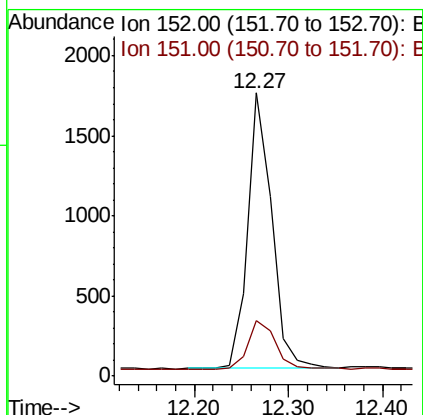
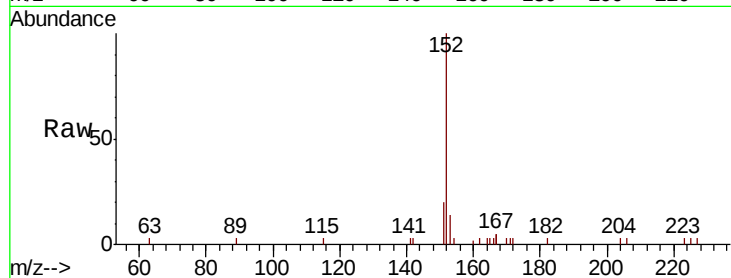




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.390 ng  
 RT: 12.27 min Scan# 767  
 Delta R.T. 0.00 min  
 Lab File: BE098168.D  
 Acq: 7 Nov 2018 11:33

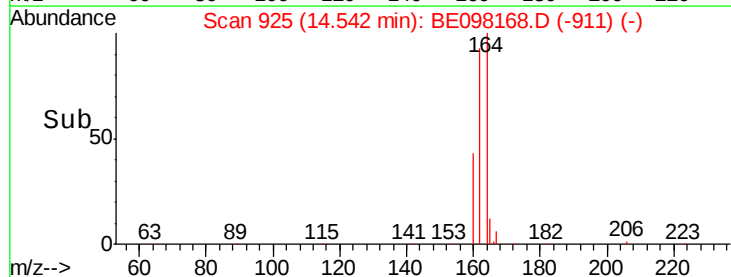
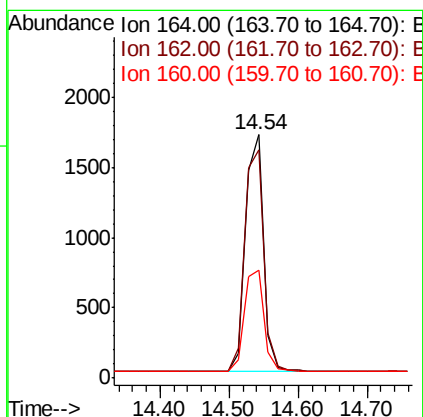
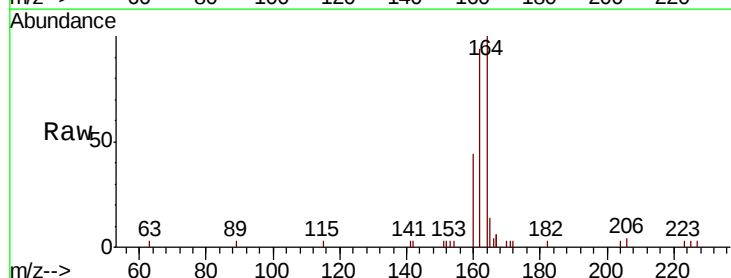
Instrument :  
 BNA\_E  
 ClientSampleId :

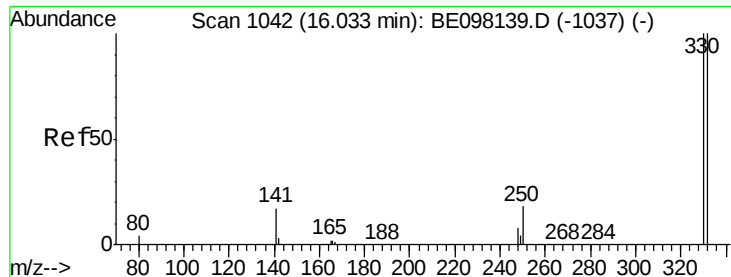
Tot Ion:152 Resp: 3073  
 Ion Ratio Lower Upper  
 152 100  
 151 20.5 16.2 24.4



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.54 min Scan# 925  
 Delta R.T. 0.00 min  
 Lab File: BE098168.D  
 Acq: 7 Nov 2018 11:33

Tgt Ion:164 Resp: 3098  
 Ion Ratio Lower Upper  
 164 100  
 162 93.6 77.4 116.2  
 160 44.1 36.5 54.7

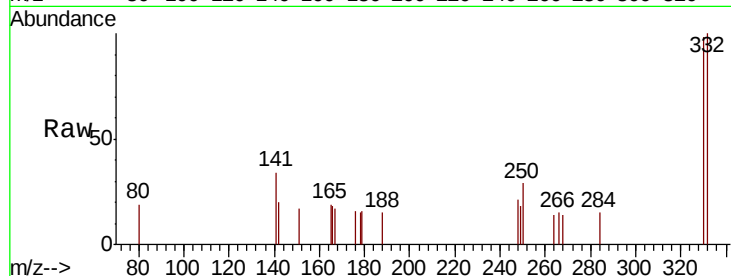




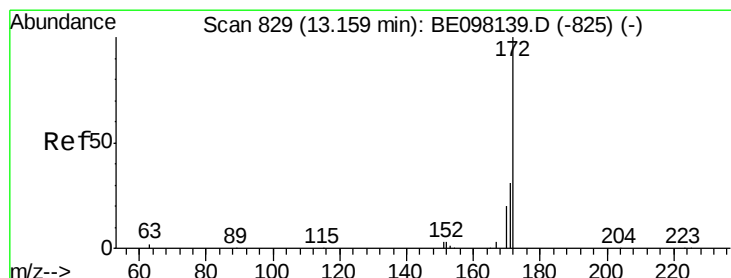
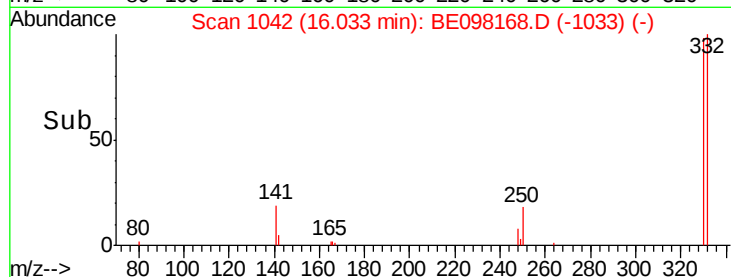
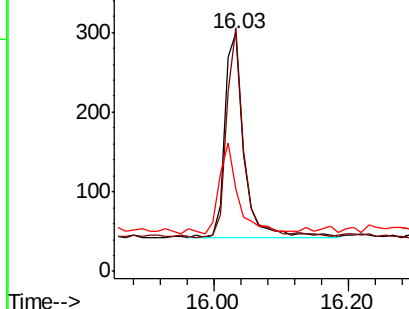
#14  
 2,4,6-Tribromophenol  
 Concen: 0.347 ng  
 RT: 16.03 min Scan# 1042  
 Delta R.T. 0.00 min  
 Lab File: BE098168.D  
 Acq: 7 Nov 2018 11:33

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:330 Resp: 509  
 Ion Ratio Lower Upper  
 330 100  
 332 92.3 76.5 114.7  
 141 44.6 31.8 47.6

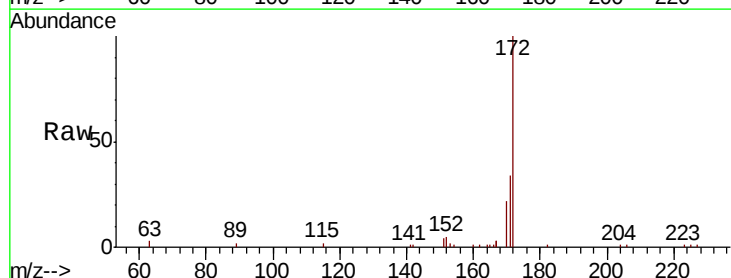


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

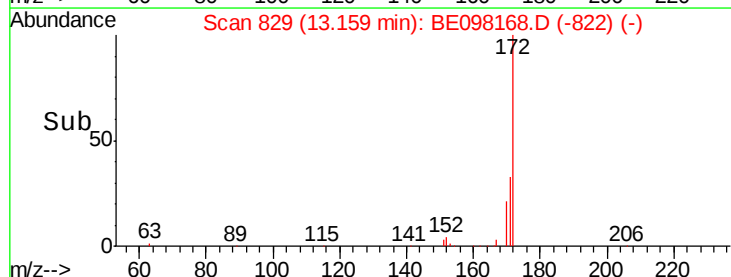
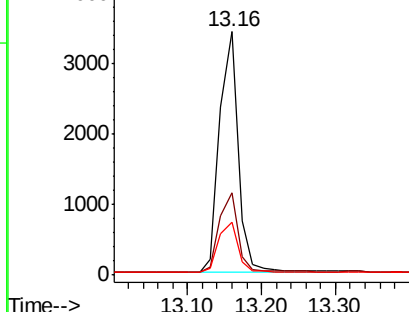


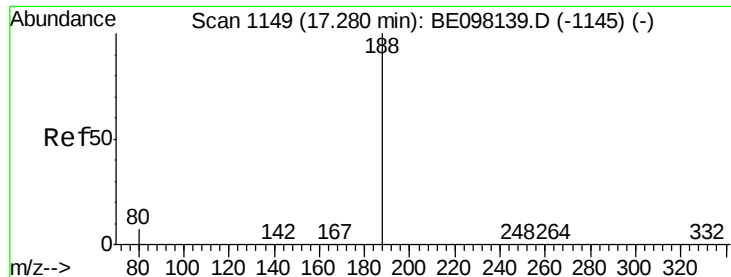
#15  
 2-Fluorobiphenyl  
 Concen: 0.470 ng  
 RT: 13.16 min Scan# 829  
 Delta R.T. 0.00 min  
 Lab File: BE098168.D  
 Acq: 7 Nov 2018 11:33

Tgt Ion:172 Resp: 5983  
 Ion Ratio Lower Upper  
 172 100  
 171 33.8 26.0 39.0  
 170 21.8 18.0 27.0



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: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_E

ClientSampleId :

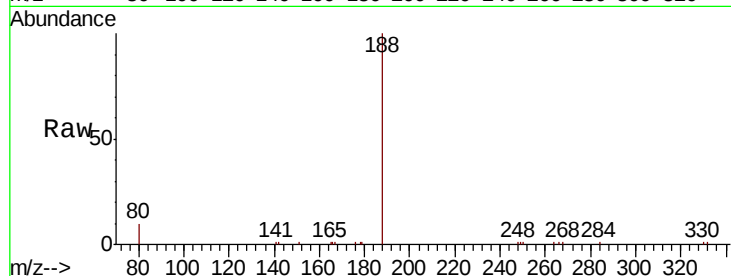
Tot Ion:188 Resp: 7208

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

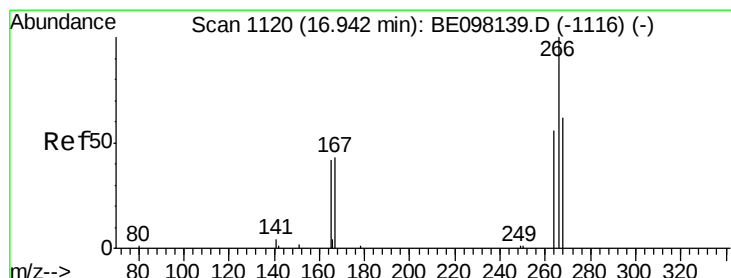
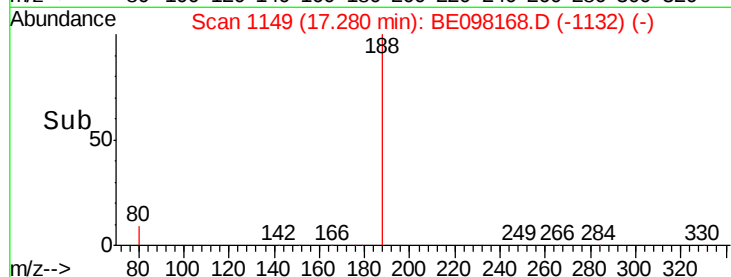
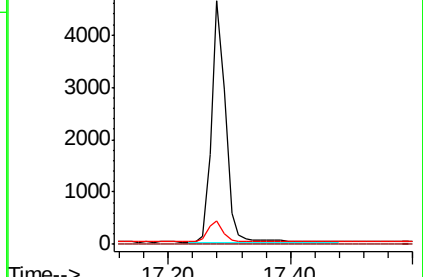
80 9.9 6.3 9.5#



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: 0.139 ng

RT: 16.92 min Scan# 1118

Delta R.T. -0.02 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

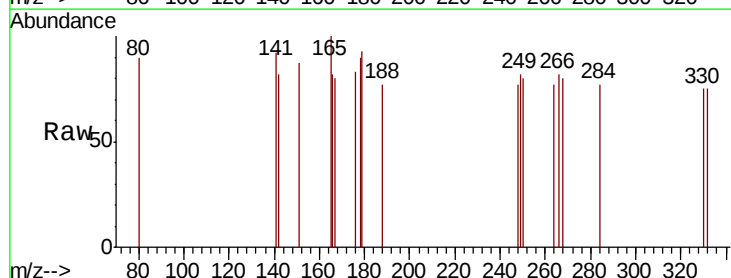
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 93.9 51.3 76.9#

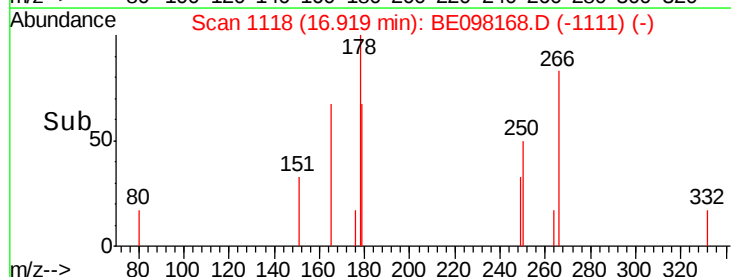
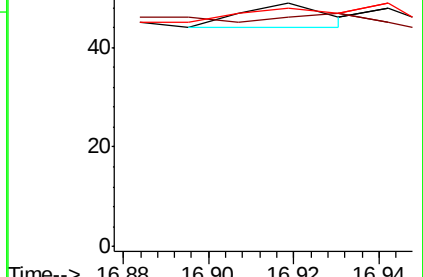
268 98.0 50.1 75.1#

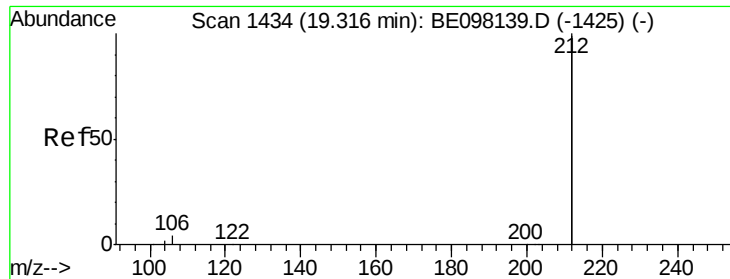


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

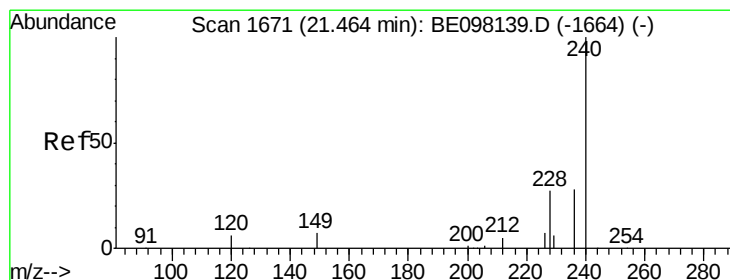
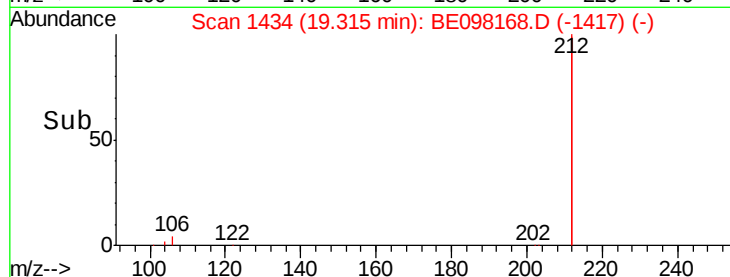
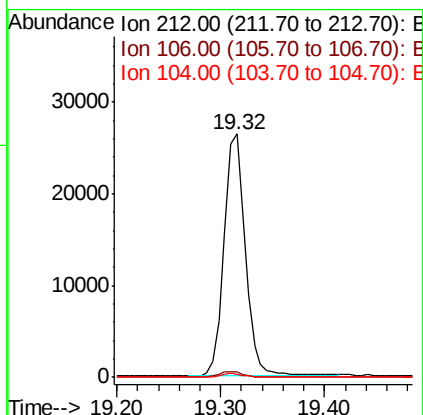
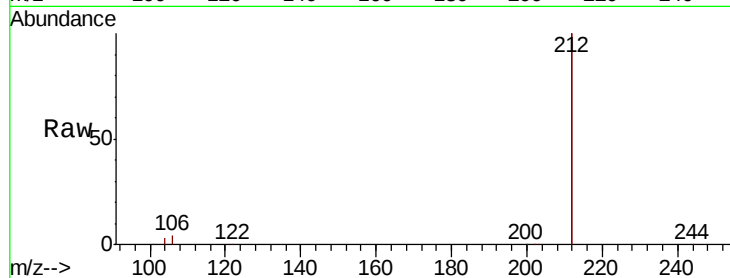




#25  
 Fluoranthene-d10  
 Concen: 0.404 ng  
 RT: 19.32 min Scan# 1434  
 Delta R.T. -0.00 min  
 Lab File: BE098168.D  
 Acq: 7 Nov 2018 11:33

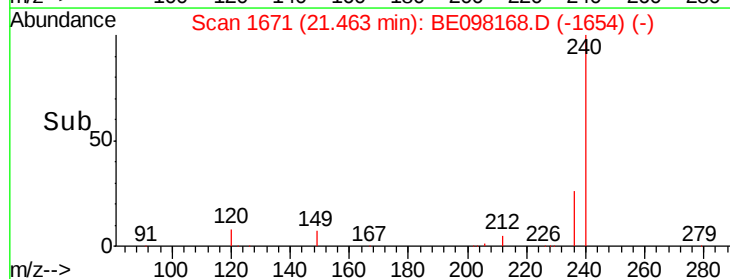
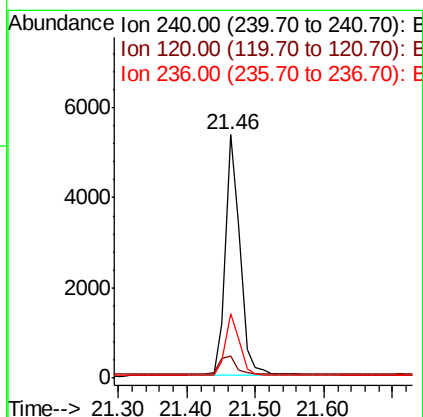
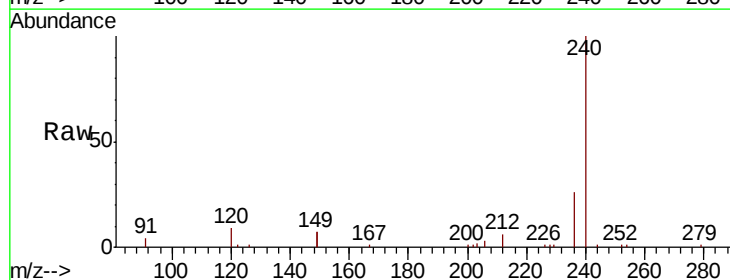
Instrument :  
 BNA\_E  
 ClientSampleId :

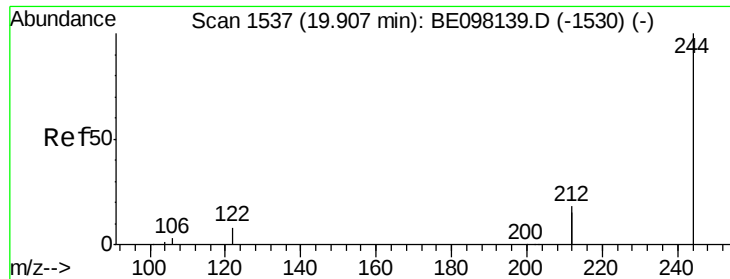
Tot Ion:212 Resp: 37563  
 Ion Ratio Lower Upper  
 212 100  
 106 2.3 2.3 3.5  
 104 1.3 1.3 1.9



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.46 min Scan# 1671  
 Delta R.T. -0.00 min  
 Lab File: BE098168.D  
 Acq: 7 Nov 2018 11:33

Tgt Ion:240 Resp: 8066  
 Ion Ratio Lower Upper  
 240 100  
 120 9.1 7.1 10.7  
 236 26.5 21.3 31.9





#29

Terphenyl-d14

Concen: 0.519 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_E

ClientSampleId :

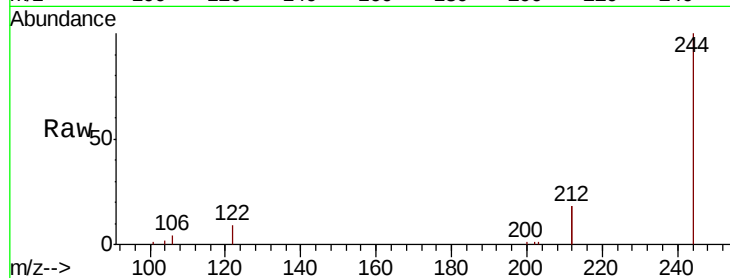
Tot Ion:244 Resp: 9732

Ion Ratio Lower Upper

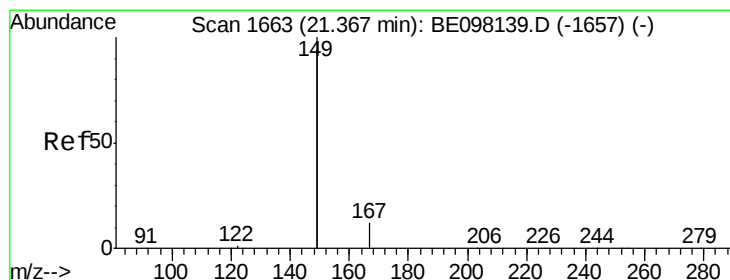
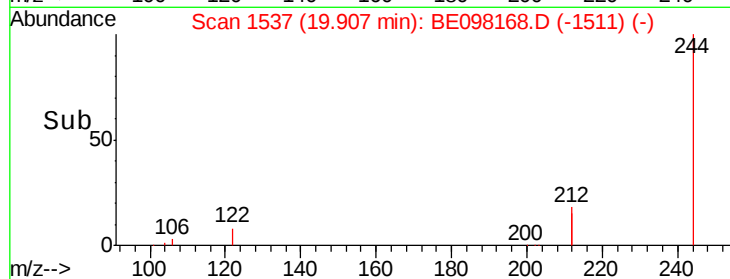
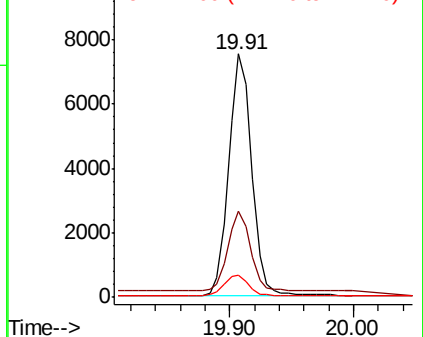
244 100

212 35.5 26.2 39.2

122 8.9 7.7 11.5



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: Below Cal

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

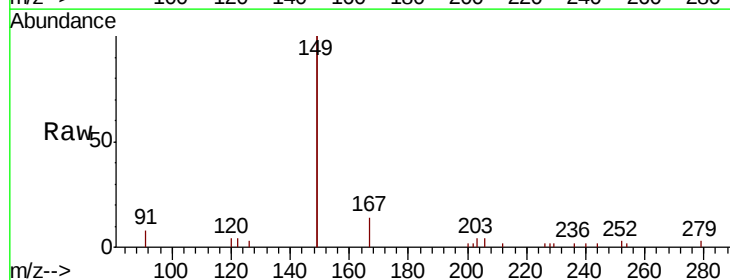
Tgt Ion:149 Resp: 5755

Ion Ratio Lower Upper

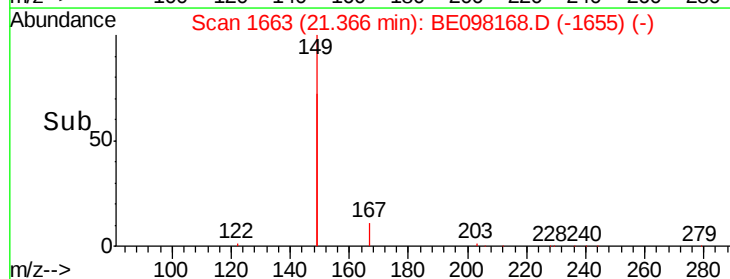
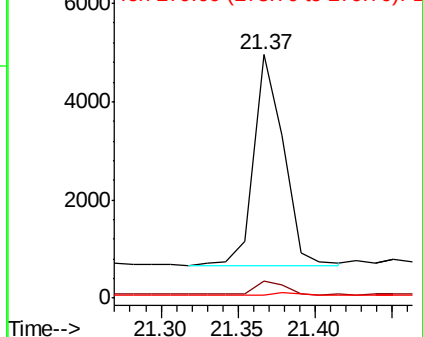
149 100

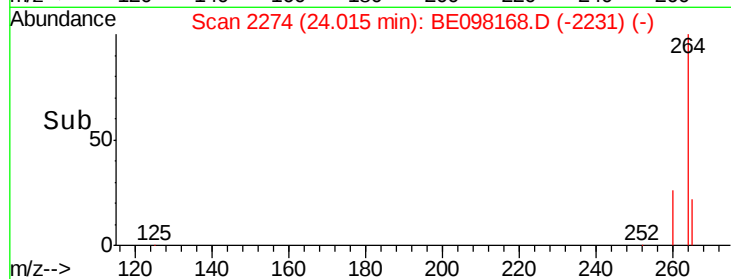
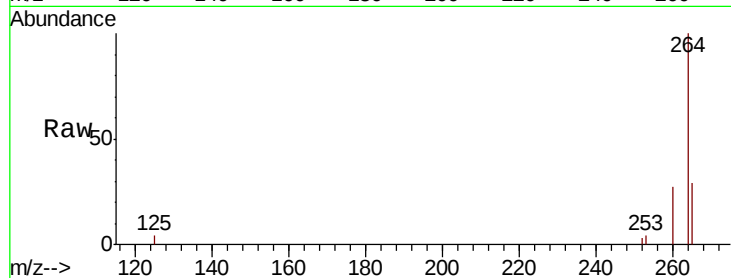
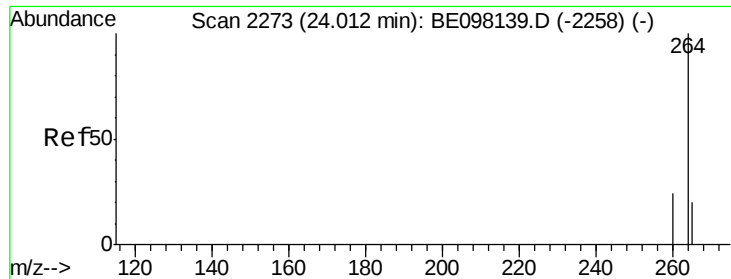
167 6.7 5.6 8.4

279 1.7 0.9 1.3#



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: 24.02 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BE098168.D

Acq: 7 Nov 2018 11:33

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:264 Resp: 7705

Ion Ratio Lower Upper

264 100

260 26.7 21.1 31.7

265 29.3 29.2 43.8

