

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122719\  
 Data File : BE100993.D  
 Acq On : 27 Dec 2019 15:00  
 Operator : JU  
 Sample : K6237-02RE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-191209

Quant Time: Dec 27 22:44:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 17:39:05 2019  
 Response via : Initial Calibration

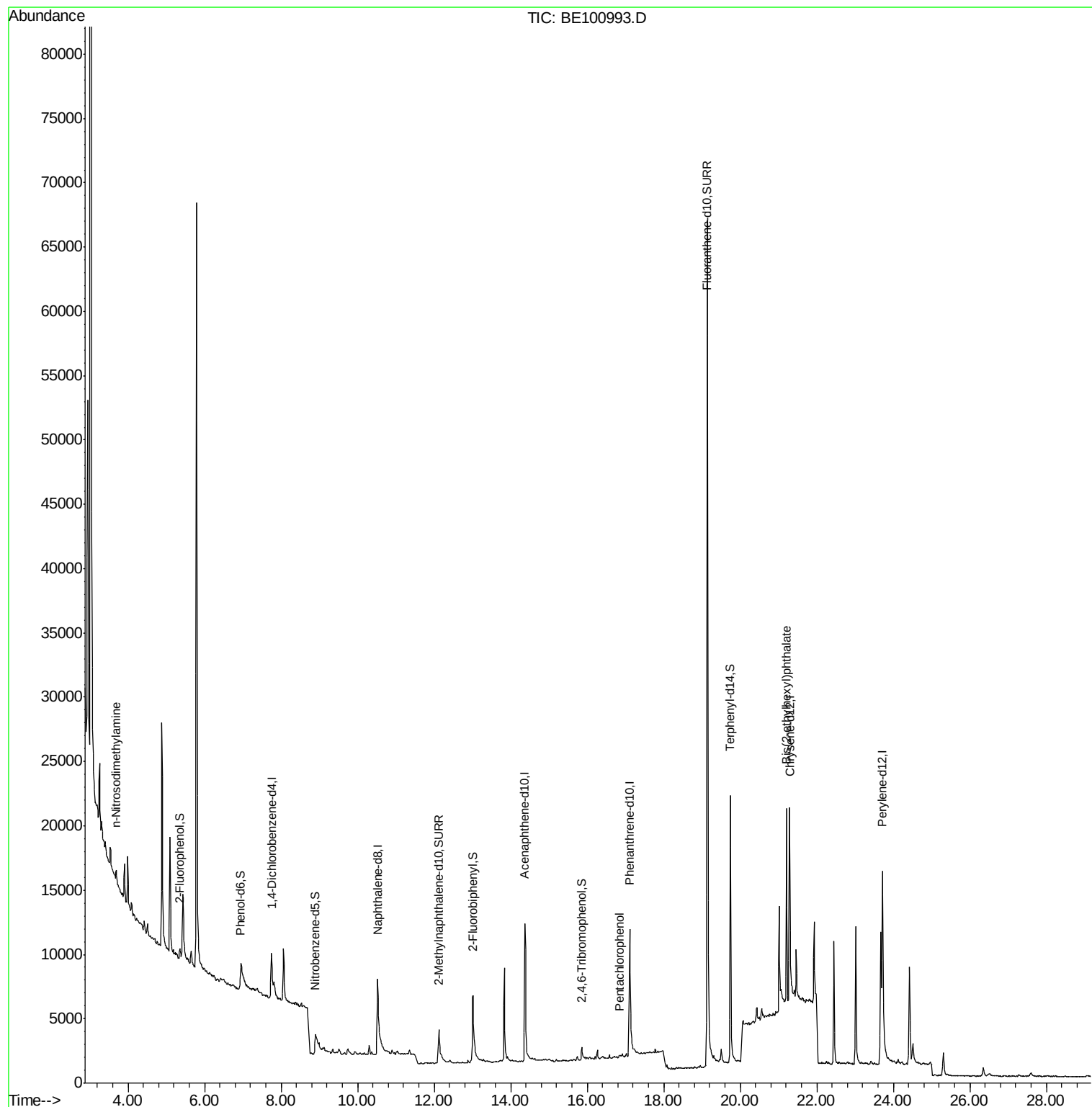
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.75  | 152  | 2834     | 0.40      | ng       | 0.00     |
| 7) Naphthalene-d8              | 10.52 | 136  | 12796    | 0.40      | ng       | 0.00     |
| 13) Acenaphthene-d10           | 14.37 | 164  | 8666     | 0.40      | ng       | -0.01    |
| 19) Phenanthrene-d10           | 17.11 | 188  | 22003    | 0.40      | ng       | -0.01    |
| 27) Chrysene-d12               | 21.29 | 240  | 23651    | 0.40      | ng       | 0.00     |
| 34) Perylene-d12               | 23.72 | 264  | 28459    | 0.40      | ng       | -0.01    |
| System Monitoring Compounds    |       |      |          |           |          |          |
| 4) 2-Fluorophenol              | 5.35  | 112  | 706      | 0.15      | ng       | 0.00     |
| 5) Phenol-d6                   | 6.93  | 99   | 291      | 0.23      | ng       | -0.05    |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 2033     | 0.42      | ng       | -0.01    |
| 11) 2-Methylnaphthalene-d10    | 12.12 | 152  | 7459     | 0.40      | ng       | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 755      | 0.47      | ng       | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 10946    | 0.36      | ng       | 0.00     |
| 25) Fluoranthene-d10           | 19.14 | 212  | 116604   | 0.44      | ng       | 0.00     |
| 29) Terphenyl-d14              | 19.74 | 244  | 22665    | 0.42      | ng       | -0.02    |
| Target Compounds               |       |      |          |           |          |          |
| 2) 1,4-Dioxane                 | 3.32  | 88   | 739      | Below Cal | Qvalue # | 17       |
| 3) n-Nitrosodimethylamine      | 3.68  | 42   | 325      | 0.408 ng  | #        | 1        |
| 22) Pentachlorophenol          | 16.85 | 266  | 13       | 0.105 ng  |          | 88       |
| 32) Bis(2-ethylhexyl)phthalate | 21.21 | 149  | 17022    | 0.156 ng  |          | 98       |

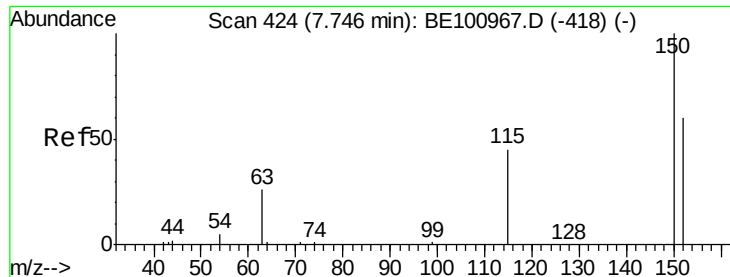
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.75 min Scan# 424

Delta R.T. 0.00 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-191209

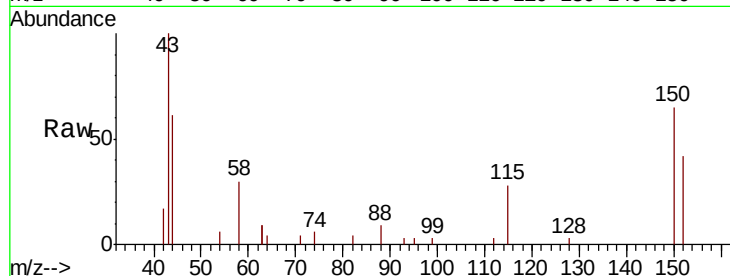
Tot Ion:152 Resp: 2834

Ion Ratio Lower Upper

152 100

150 153.4 132.6 199.0

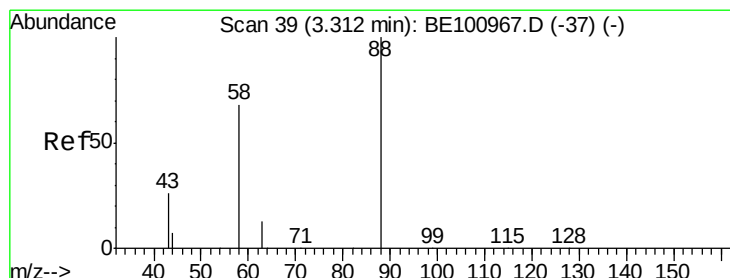
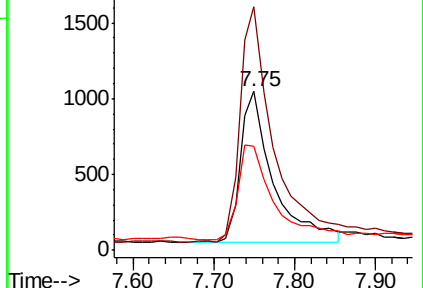
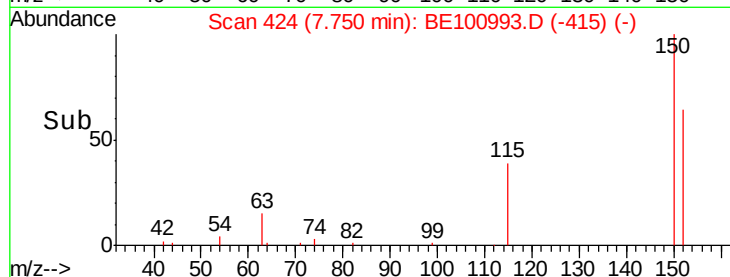
115 66.0 64.1 96.1



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: 3.32 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

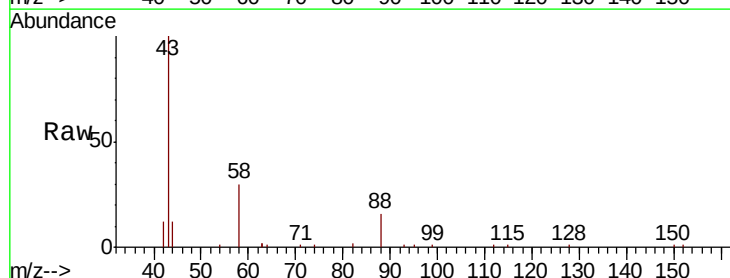
Tgt Ion: 88 Resp: 739

Ion Ratio Lower Upper

88 100

58 126.5 44.2 66.4#

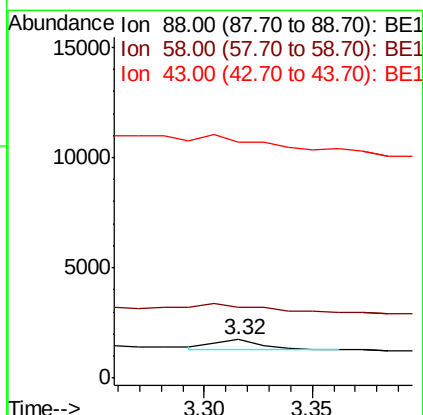
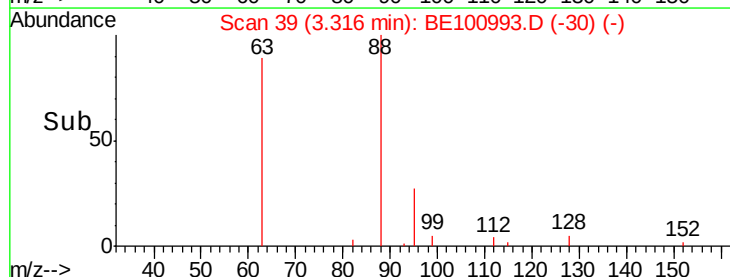
43 0.0 21.0 31.6#

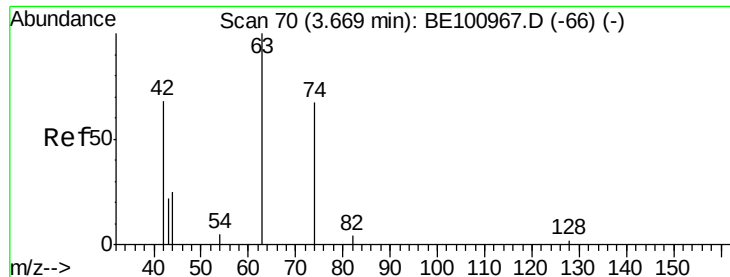


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.408 ng

RT: 3.68 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-191209

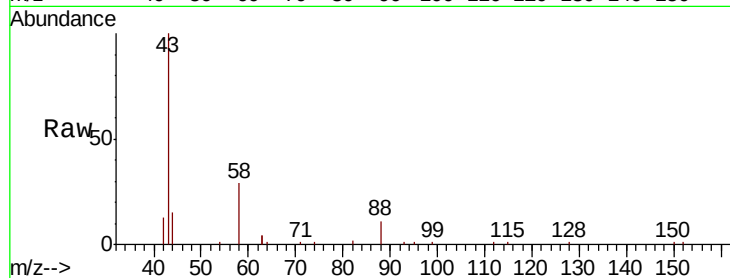
Tot Ion: 42 Resp: 325

Ion Ratio Lower Upper

42 100

74 9.8 116.6 174.8#

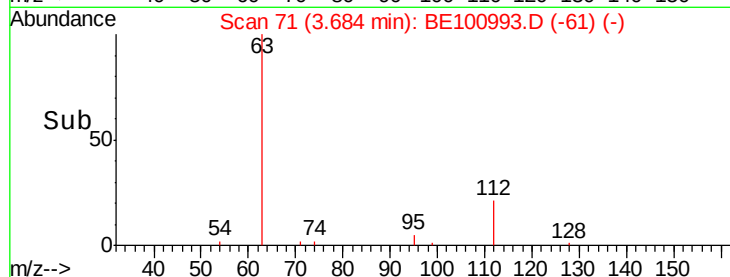
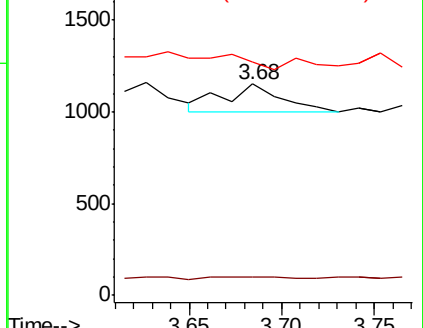
44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.147 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.01 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

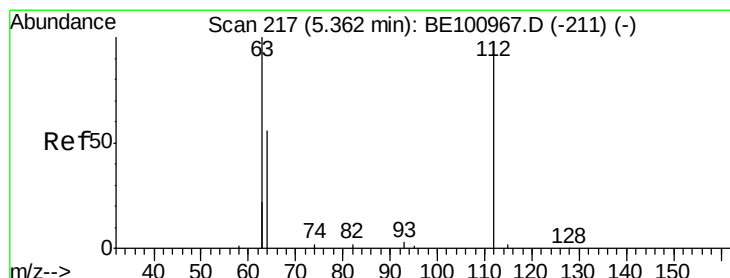
Tgt Ion: 112 Resp: 706

Ion Ratio Lower Upper

112 100

64 61.6 59.0 88.6

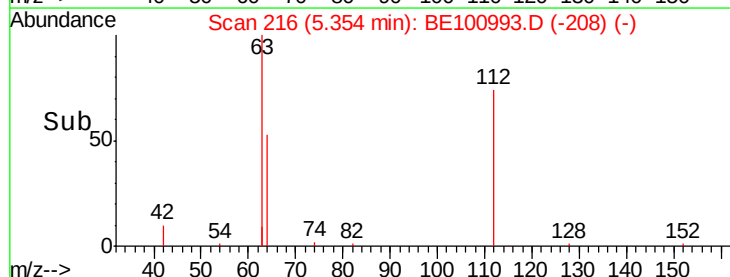
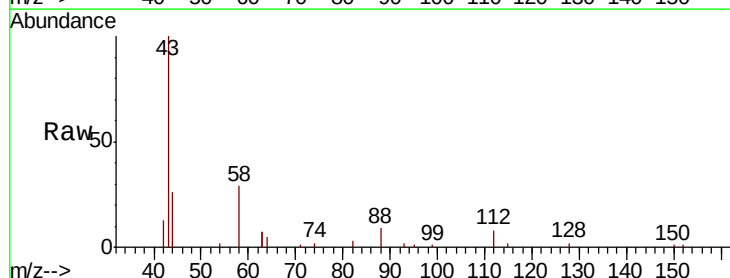
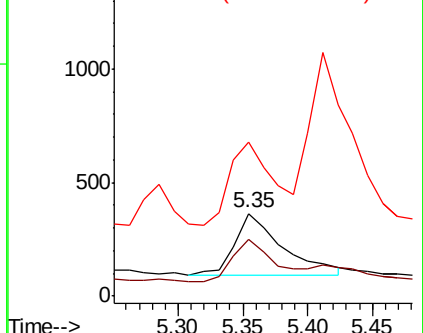
63 125.6 121.4 182.0

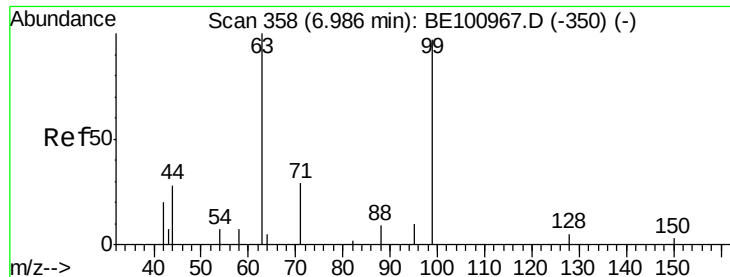


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.232 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.05 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-191209

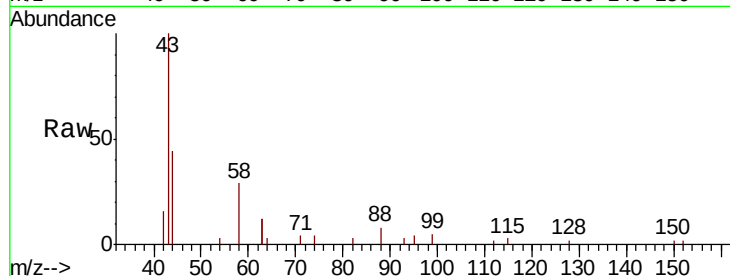
Tot Ion: 99 Resp: 291

Ion Ratio Lower Upper

99 100

42 149.5 0.0 0.0#

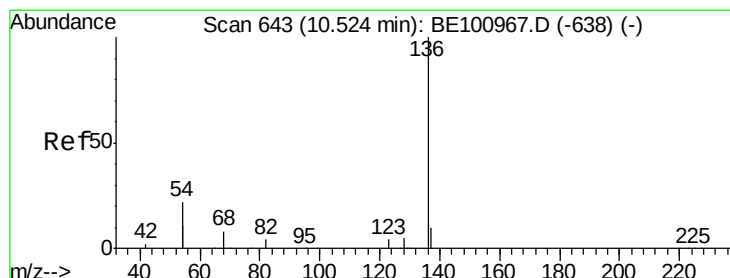
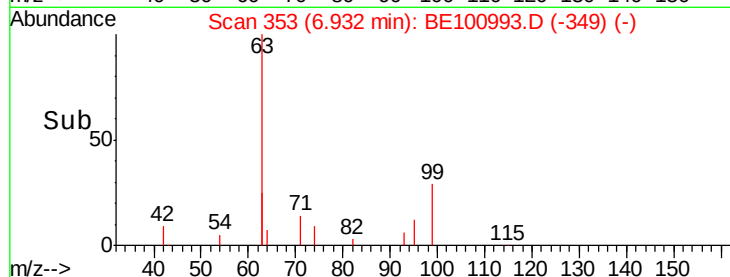
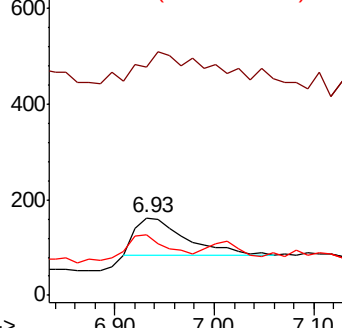
71 25.8 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.52 min Scan# 643

Delta R.T. -0.00 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

Tgt Ion: 136 Resp: 12796

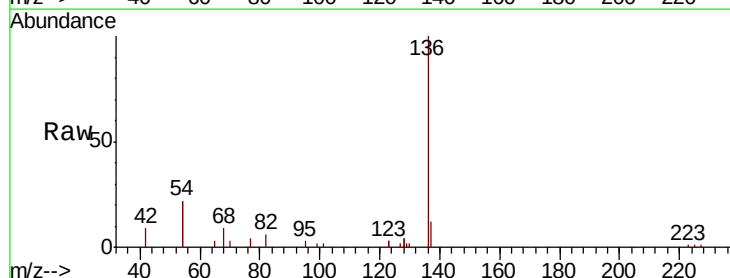
Ion Ratio Lower Upper

136 100

137 12.5 9.0 13.6

54 44.2 34.4 51.6

68 9.5 7.8 11.6

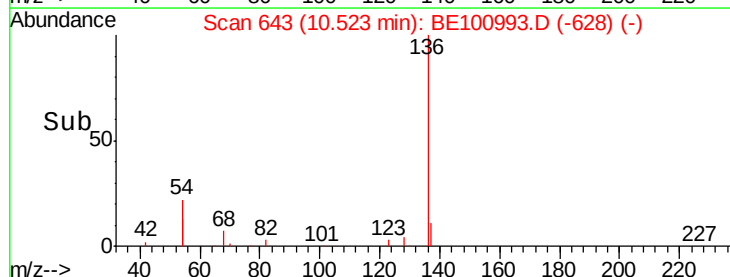
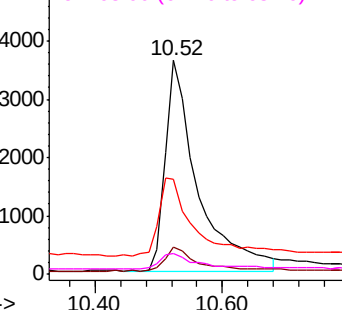


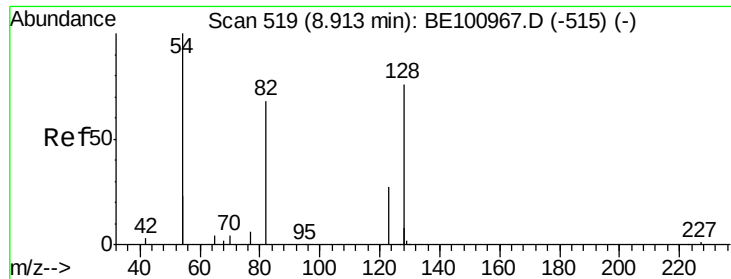
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.422 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100993.D

Acq: 27 Dec 2019 15:00

Instrument :

BNA\_E

ClientSampleId :

KY038PS027-191209

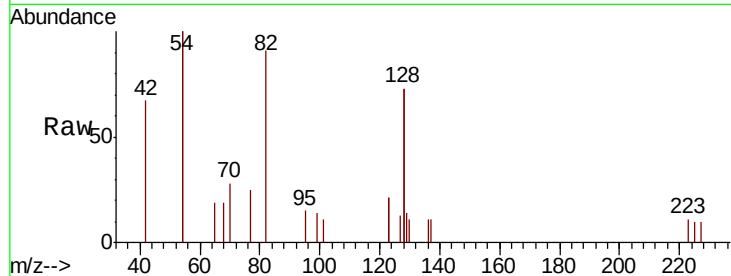
Tot Ion: 82 Resp: 2033

Ion Ratio Lower Upper

82 100

128 162.0 140.2 210.2

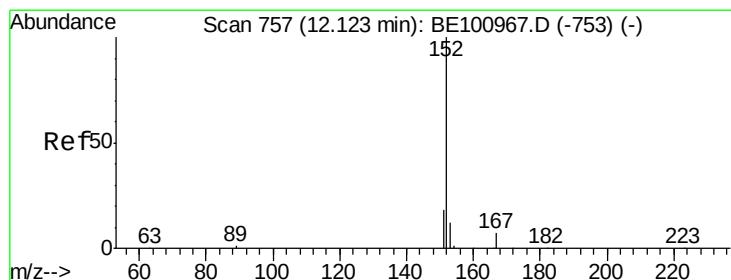
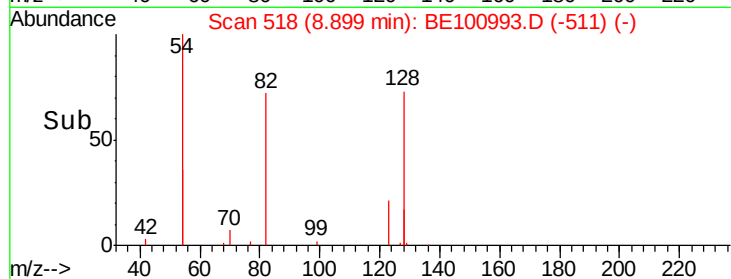
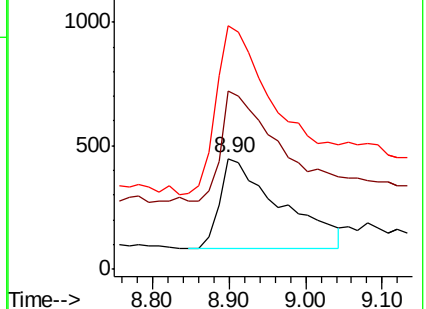
54 220.6 183.8 275.6



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.397 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE100993.D

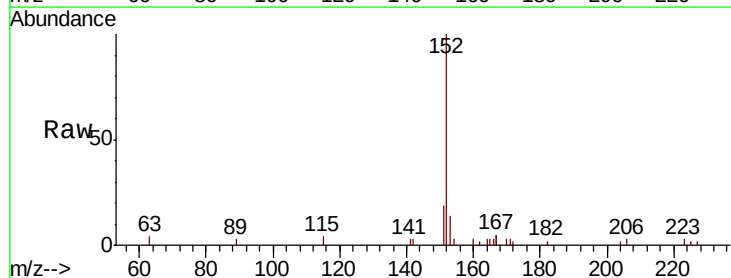
Acq: 27 Dec 2019 15:00

Tgt Ion: 152 Resp: 7459

Ion Ratio Lower Upper

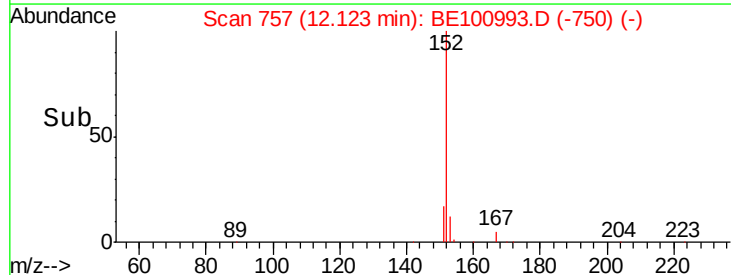
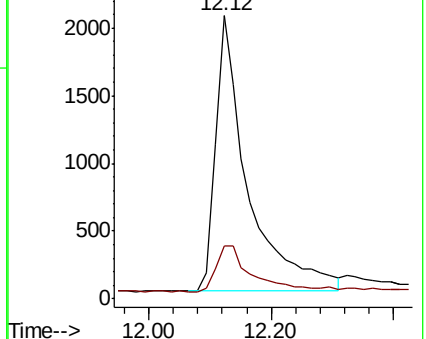
152 100

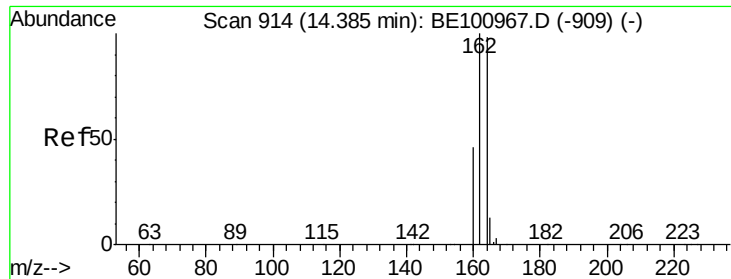
151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

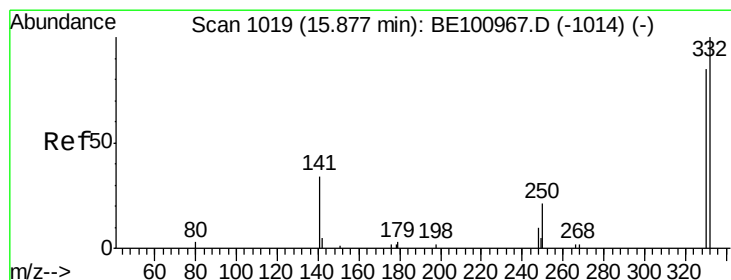
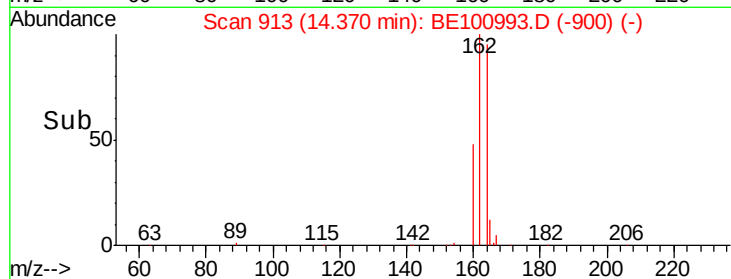
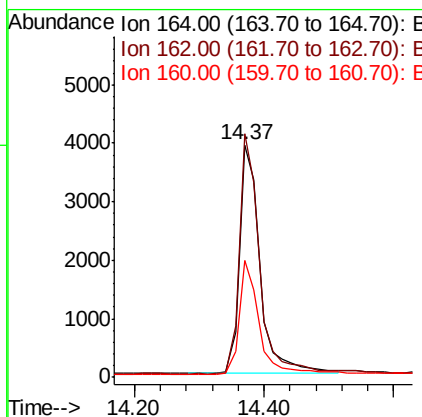
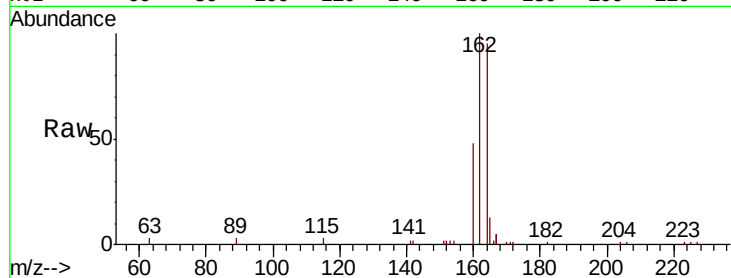




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.37 min Scan# 913  
Delta R.T. -0.01 min  
Lab File: BE100993.D  
Acq: 27 Dec 2019 15:00

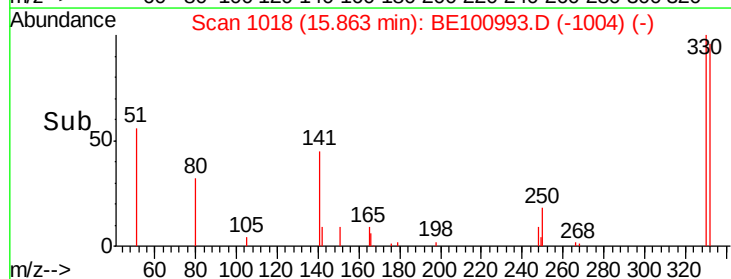
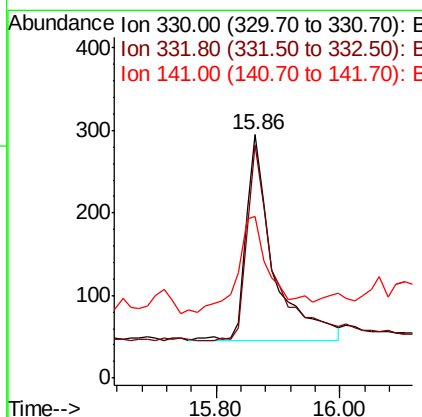
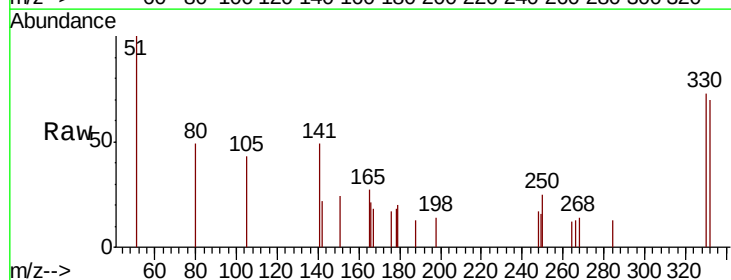
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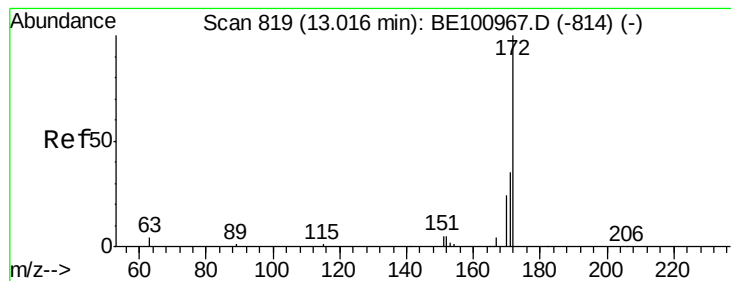
Tot Ion:164 Resp: 8666  
Ion Ratio Lower Upper  
164 100  
162 104.8 81.6 122.4  
160 50.6 37.7 56.5



#14  
2,4,6-Tribromophenol  
Concen: 0.474 ng  
RT: 15.86 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BE100993.D  
Acq: 27 Dec 2019 15:00

Tgt Ion:330 Resp: 755  
Ion Ratio Lower Upper  
330 100  
332 94.8 72.4 108.6  
141 56.3 25.4 38.2#

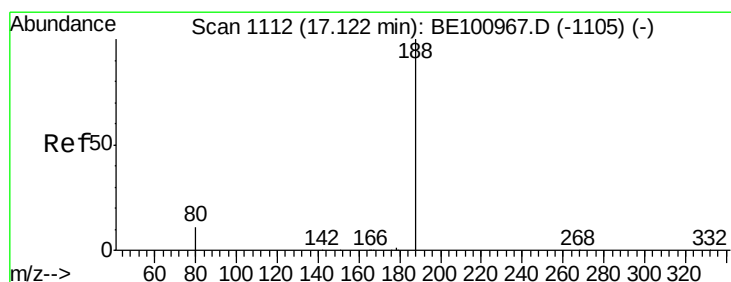
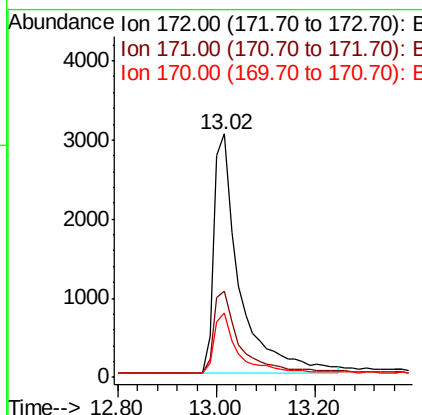
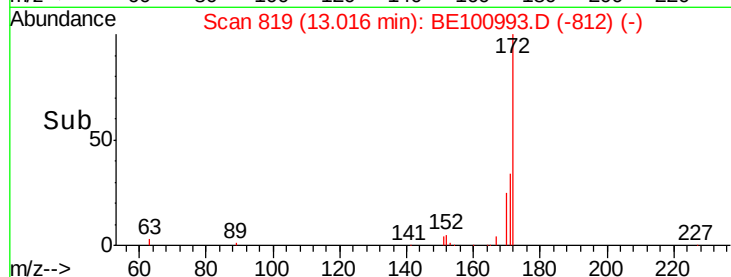
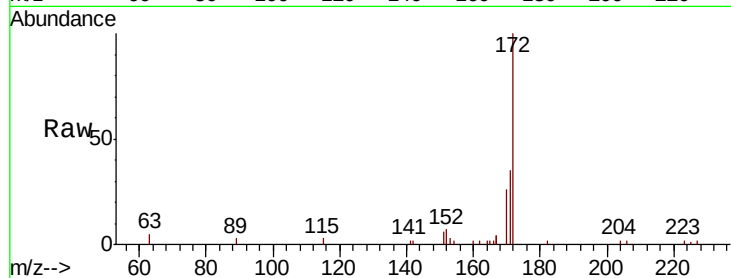




#15  
2-Fluorobiphenyl  
Concen: 0.355 ng  
RT: 13.02 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: BE100993.D  
Acq: 27 Dec 2019 15:00

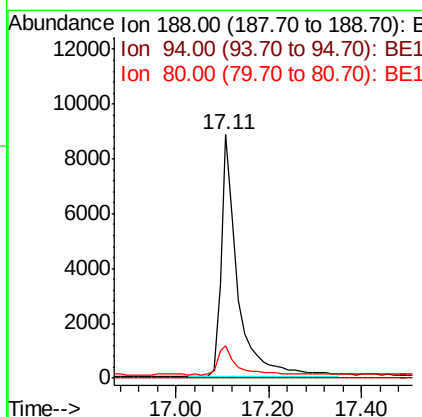
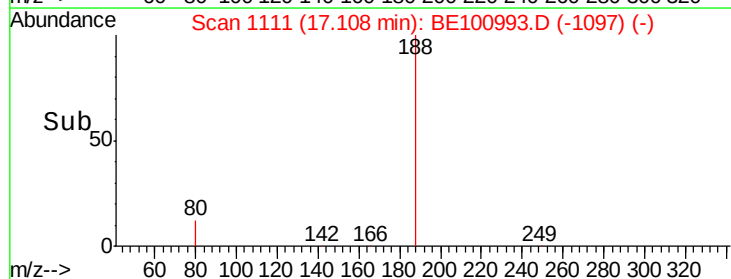
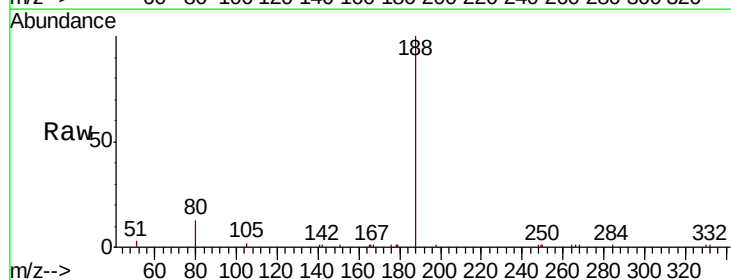
Instrument :  
BNA\_E  
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Tot Ion:172 Resp: 10946  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.0 43.6  
170 26.3 20.0 30.0

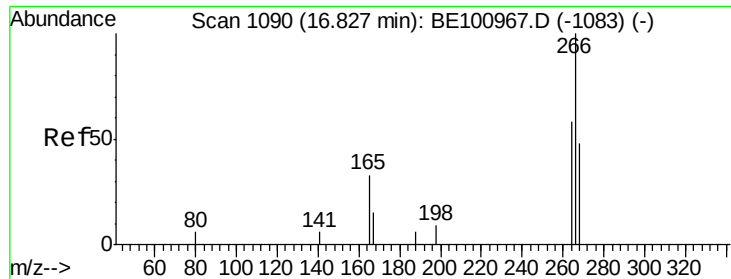


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.11 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: BE100993.D  
Acq: 27 Dec 2019 15:00

Tgt Ion:188 Resp: 22003  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.1 9.7 14.5



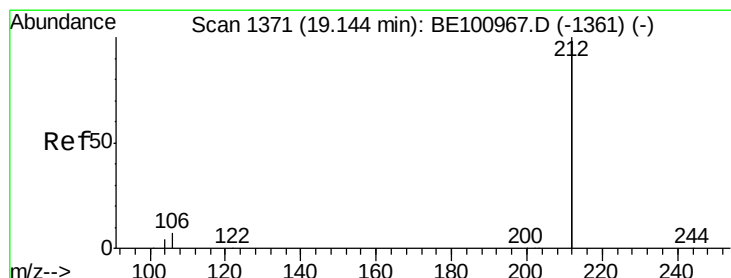
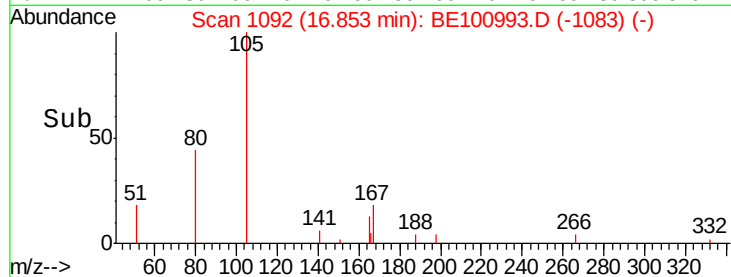
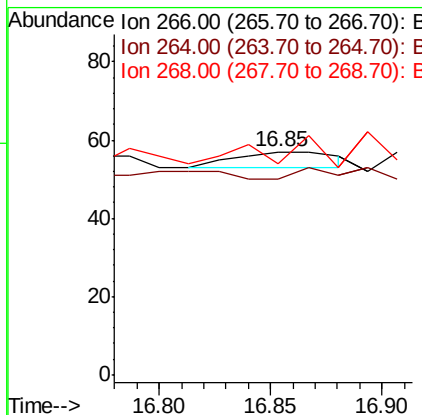
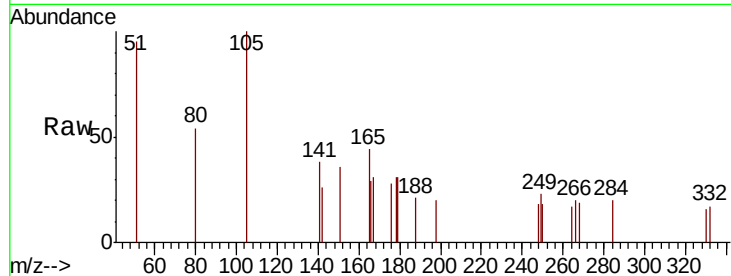




#22  
 Pentachlorophenol  
 Concen: 0.105 ng  
 RT: 16.85 min Scan# 1092  
 Delta R.T. 0.03 min  
 Lab File: BE100993.D  
 Acq: 27 Dec 2019 15:00

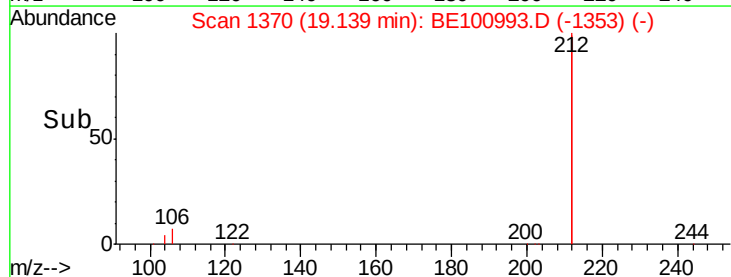
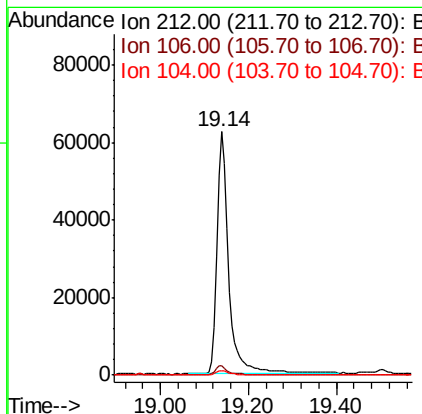
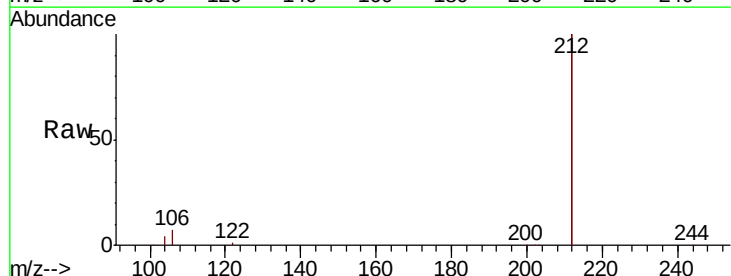
Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-191209

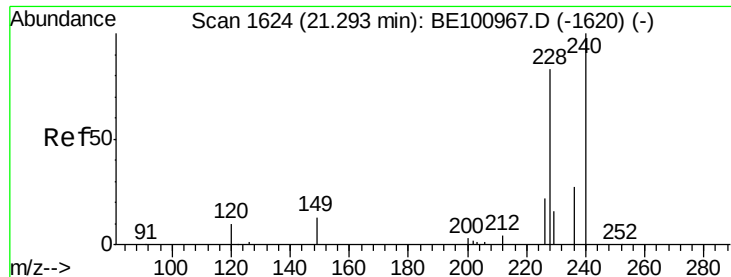
Tot Ion: 266 Resp: 13  
 Ion Ratio Lower Upper  
 266 100  
 264 87.7 62.3 93.5  
 268 94.7 66.1 99.1



#25  
 Fluoranthene-d10  
 Concen: 0.437 ng  
 RT: 19.14 min Scan# 1370  
 Delta R.T. -0.00 min  
 Lab File: BE100993.D  
 Acq: 27 Dec 2019 15:00

Tgt Ion: 212 Resp: 116604  
 Ion Ratio Lower Upper  
 212 100  
 106 3.4 2.4 3.6  
 104 1.8 1.4 2.0

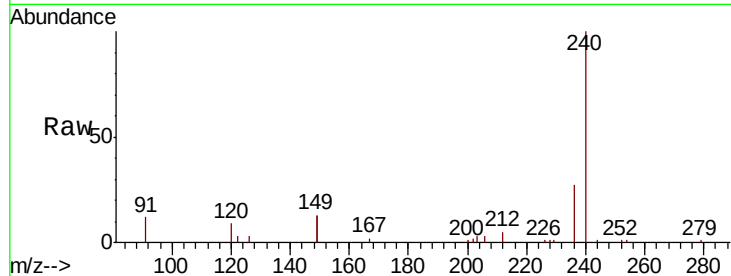




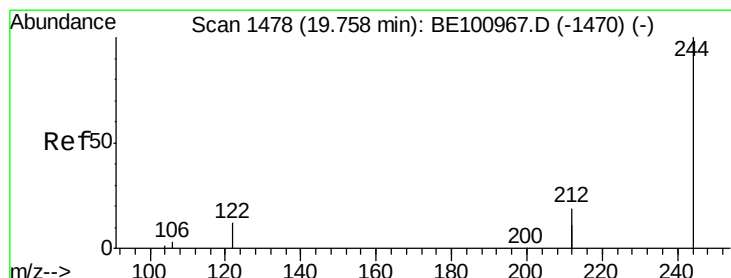
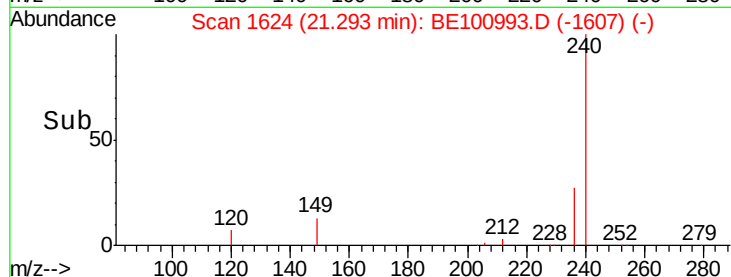
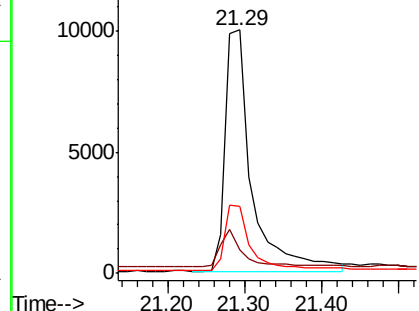
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.29 min Scan# 1624  
 Delta R.T. -0.00 min  
 Lab File: BE100993.D  
 Acq: 27 Dec 2019 15:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-191209

Tot Ion:240 Resp: 23651  
 Ion Ratio Lower Upper  
 240 100  
 120 9.5 10.2 15.4#  
 236 27.5 22.6 34.0

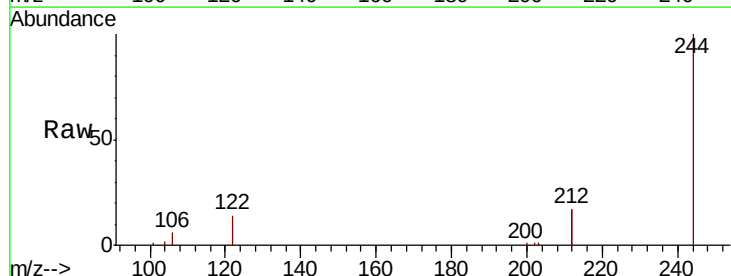


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

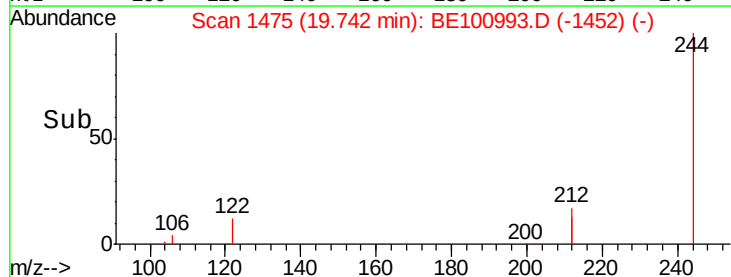
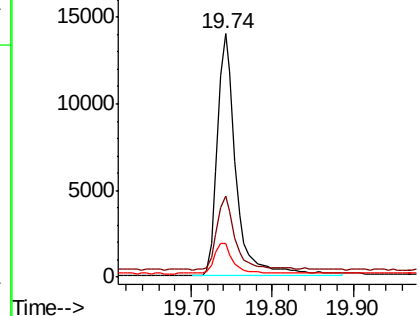


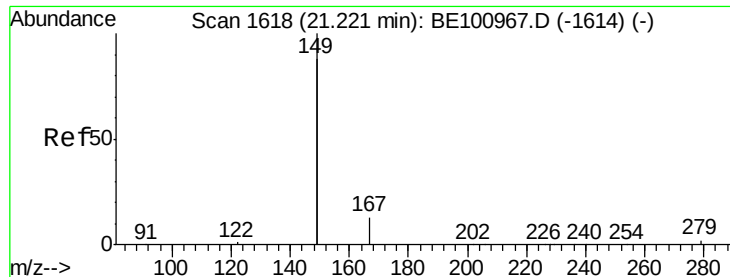
#29  
 Terphenyl-d14  
 Concen: 0.417 ng  
 RT: 19.74 min Scan# 1475  
 Delta R.T. -0.02 min  
 Lab File: BE100993.D  
 Acq: 27 Dec 2019 15:00

Tgt Ion:244 Resp: 22665  
 Ion Ratio Lower Upper  
 244 100  
 212 33.1 29.3 43.9  
 122 13.8 10.2 15.4



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

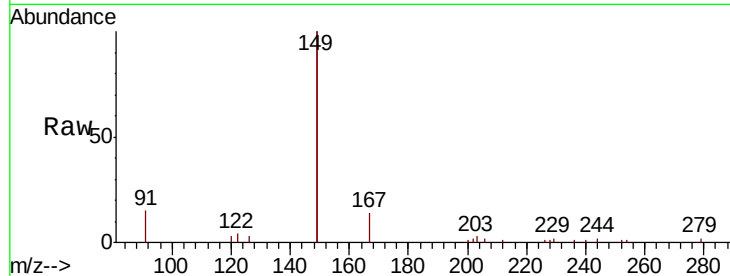




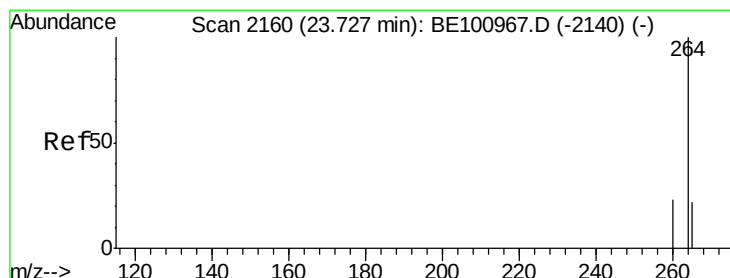
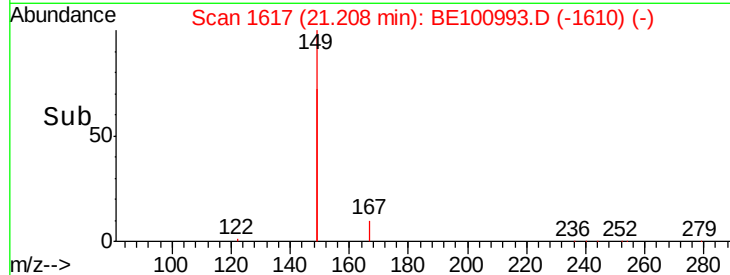
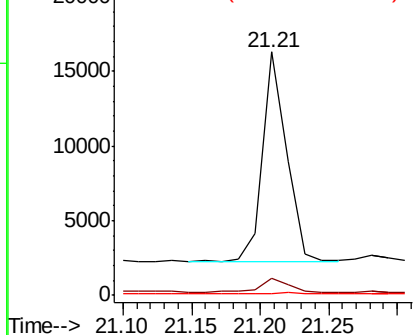
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.156 ng  
 RT: 21.21 min Scan# 1617  
 Delta R.T. -0.01 min  
 Lab File: BE100993.D  
 Acq: 27 Dec 2019 15:00

Instrument :  
 BNA\_E  
 ClientSampleId :  
 KY038PS027-191209

Tot Ion:149 Resp: 17022  
 Ion Ratio Lower Upper  
 149 100  
 167 7.2 5.1 7.7  
 279 0.9 0.6 1.0

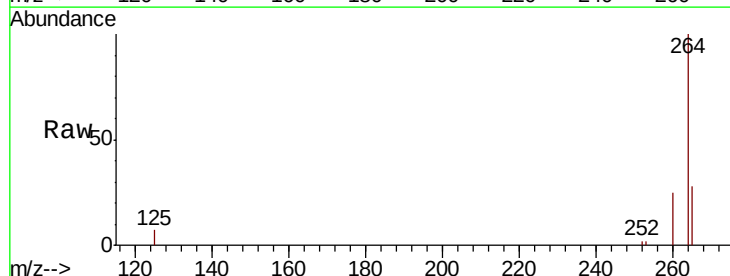


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.72 min Scan# 2157  
 Delta R.T. -0.01 min  
 Lab File: BE100993.D  
 Acq: 27 Dec 2019 15:00

Tgt Ion:264 Resp: 28459  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.1 28.7  
 265 28.2 26.6 40.0



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

