

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061419\
 Data File : BE100022.D
 Acq On : 14 Jun 2019 14:31
 Operator : JU/SJ
 Sample : K3284-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20190609

Quant Time: Jun 15 00:48:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	1007	0.40	ng	-0.01
7) Naphthalene-d8	10.59	136	3741	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	9640	0.40	ng	0.02
19) Phenanthrene-d10	17.21	188	10132	0.40	ng	0.00
27) Chrysene-d12	21.40	240	11291	0.40	ng	0.00
34) Perylene-d12	23.94	264	12565	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	559	0.21	ng	0.01
5) Phenol-d6	6.95	99	370	0.11	ng	-0.01
8) Nitrobenzene-d5	8.95	82	1871	0.53	ng	-0.01
11) 2-Methylnaphthalene-d10	12.18	152	2879	0.44	ng	-0.03
14) 2,4,6-Tribromophenol	15.96	330	916	0.13	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	4653	0.13	ng	-0.03
25) Fluoranthene-d10	19.25	212	56950	0.39	ng	0.00
29) Terphenyl-d14	19.85	244	10665	0.52	ng	0.00

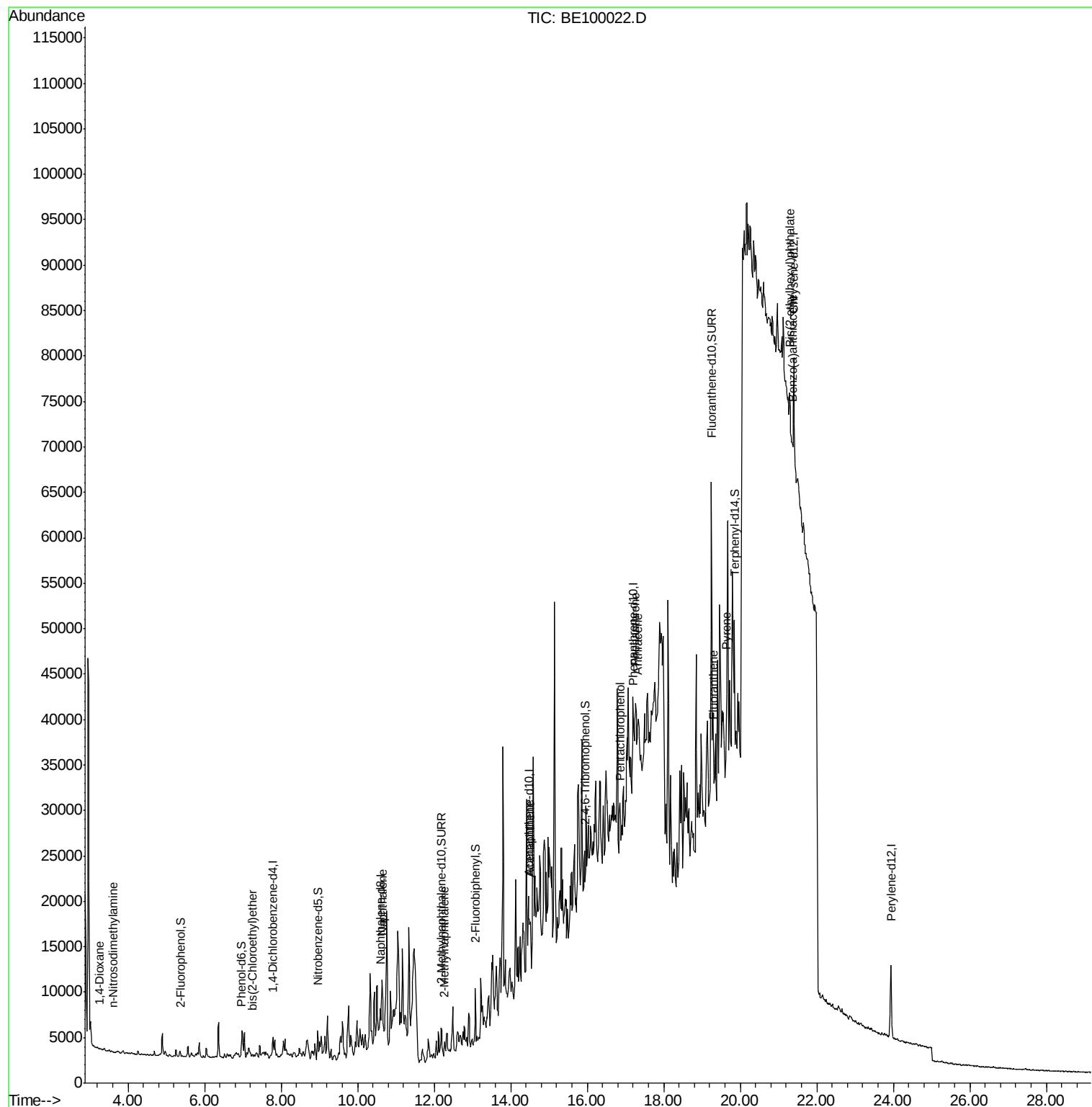
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	35	0.023	ng	# 29
3) n-Nitrosodimethylamine	3.60	42	39	0.045	ng	# 100
6) bis(2-Chloroethyl)ether	7.25	93	62	0.022	ng	# 3
9) Naphthalene	10.64	128	10062	0.249	ng	# 82
12) 2-Methylnaphthalene	12.27	142	260	0.040	ng	# 1
17) Acenaphthene	14.51	154	757	0.029	ng	# 87
22) Pentachlorophenol	16.87	266	84	0.329	ng	# 87
23) Phenanthrene	17.25	178	1454	0.059	ng	# 1
24) Anthracene	17.33	178	1223	0.054	ng	# 61
26) Fluoranthene	19.31	202	1312	0.031	ng	# 1
28) Pyrene	19.64	202	724	0.024	ng	# 59
30) Benzo(a)anthracene	21.38	228	1356	0.040	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.29	149	2264	0.047	ng	# 80

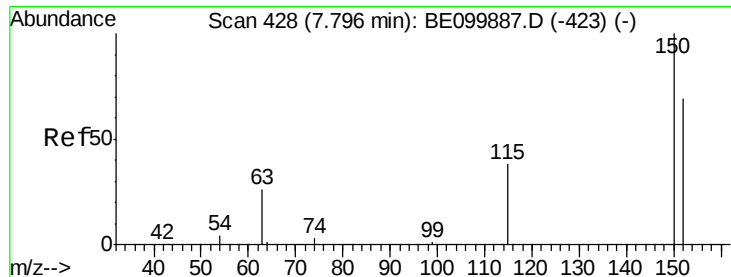
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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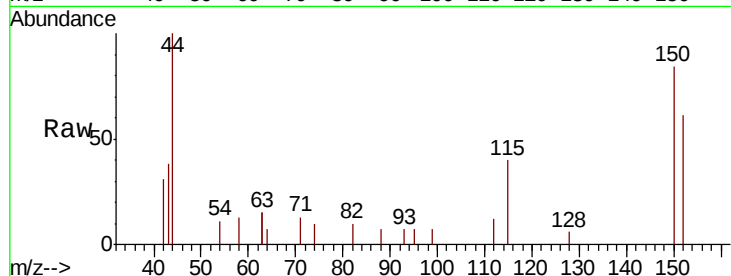


#1

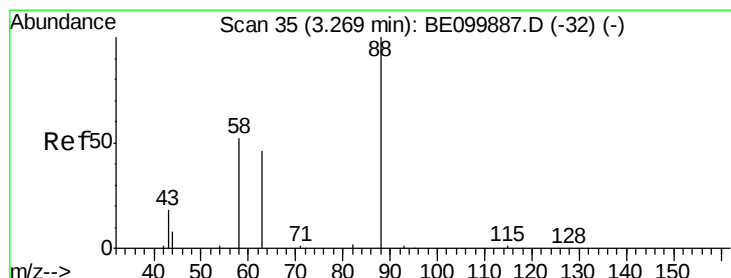
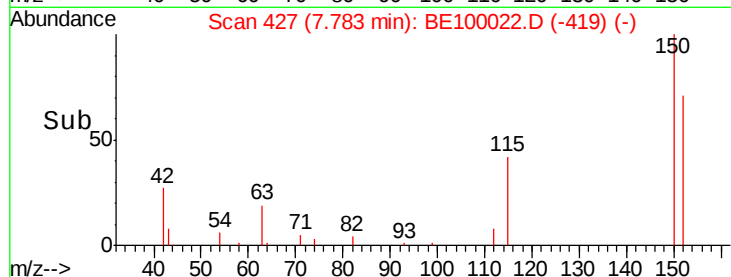
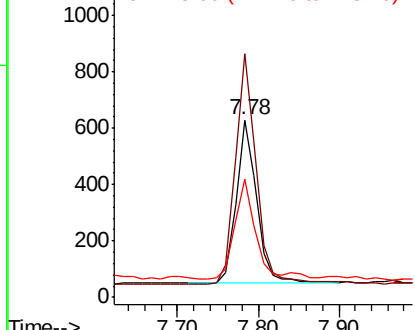
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE100022.D
Acq: 14 Jun 2019 14:31

Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW03-20190609

Tgt Ion: 152 Resp: 1007
Ion Ratio Lower Upper
152 100
150 137.4 111.0 166.6
115 66.5 50.7 76.1



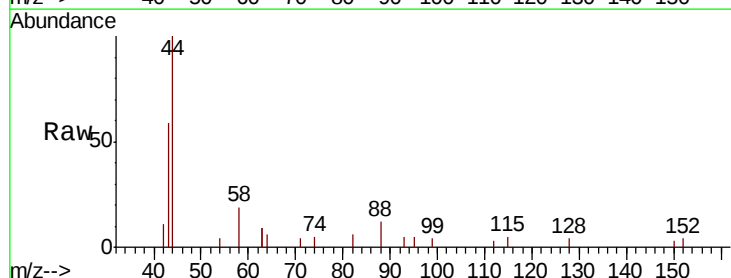
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



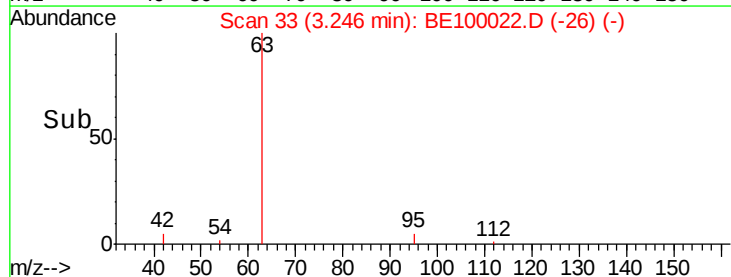
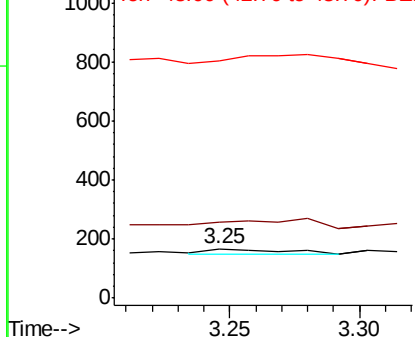
#2

1,4-Dioxane
Concen: 0.023 ng
RT: 3.25 min Scan# 33
Delta R.T. -0.02 min
Lab File: BE100022.D
Acq: 14 Jun 2019 14:31

Tgt Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
58 0.0 48.8 73.2#
43 0.0 19.0 28.6#



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: 0.045 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.00 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

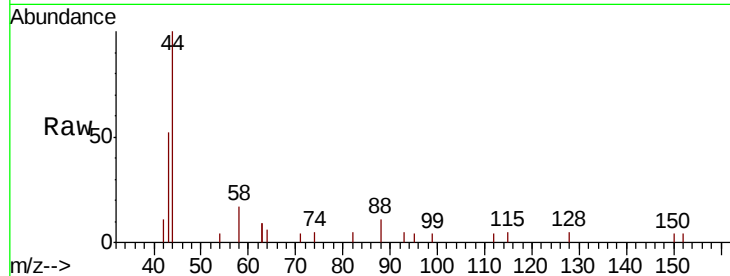
Tgt Ion: 42 Resp: 39

Ion Ratio Lower Upper

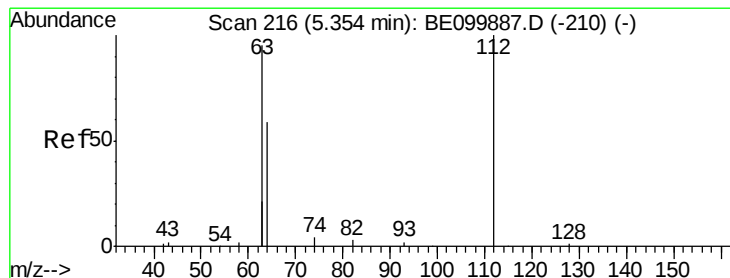
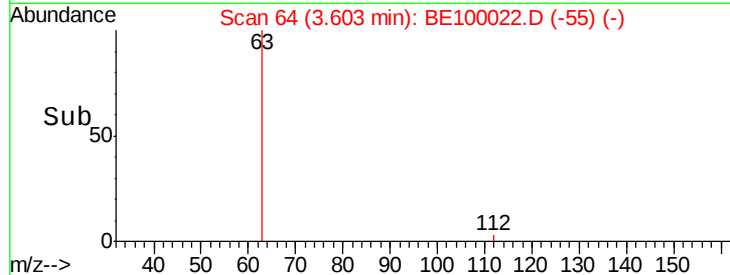
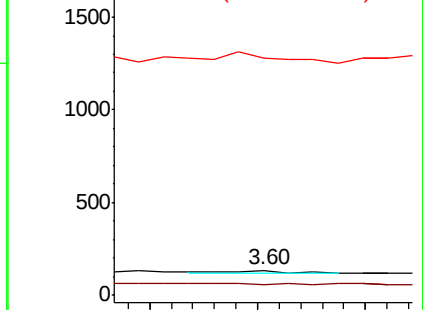
42 100

74 0.0 0.0 0.0

44 353.8 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: 0.206 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

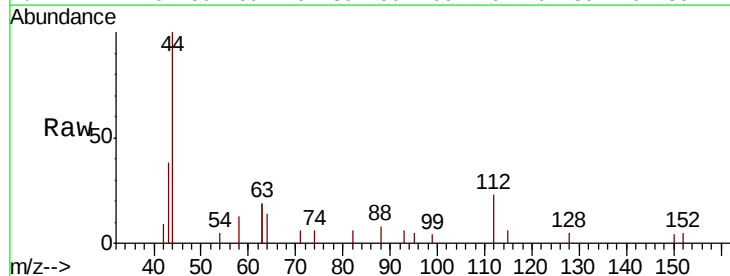
Tgt Ion: 112 Resp: 559

Ion Ratio Lower Upper

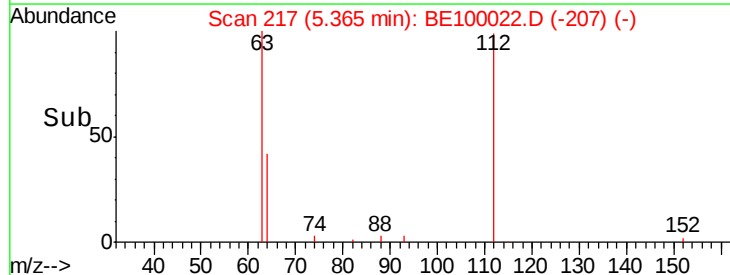
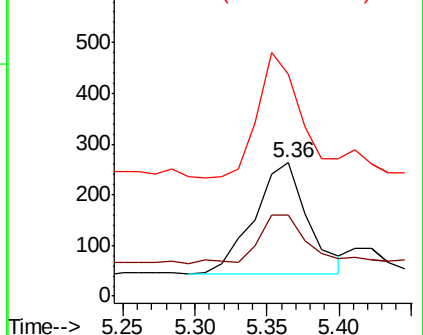
112 100

64 41.0 44.1 66.1#

63 107.9 87.8 131.6



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: 0.106 ng

RT: 6.95 min Scan# 355

Delta R.T. -0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

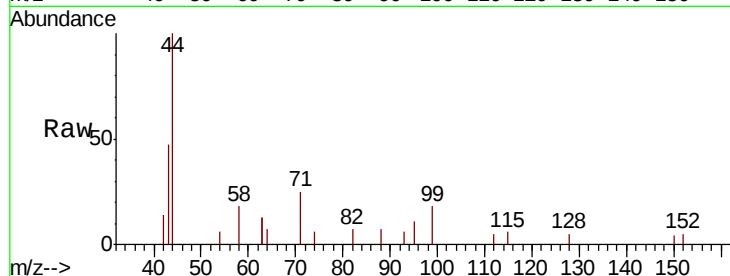
Tgt Ion: 99 Resp: 370

Ion Ratio Lower Upper

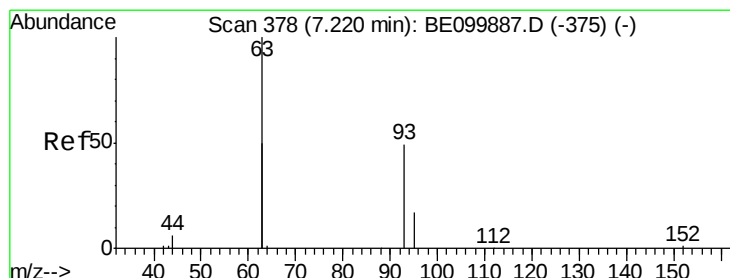
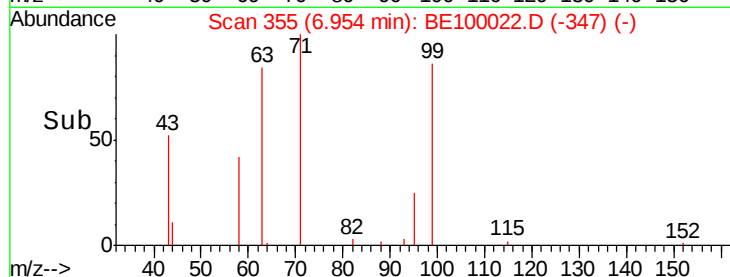
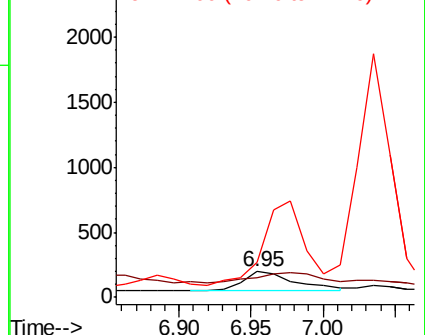
99 100

42 0.0 15.9 23.9#

71 0.0 34.6 52.0#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.03 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

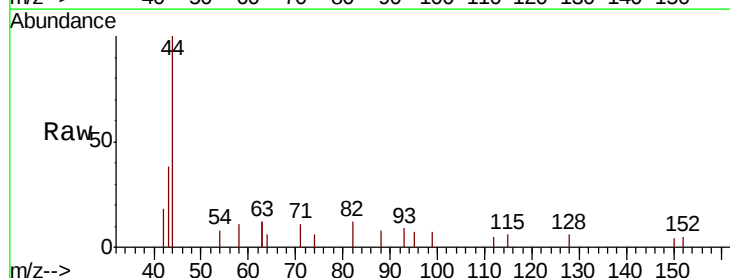
Tgt Ion: 93 Resp: 62

Ion Ratio Lower Upper

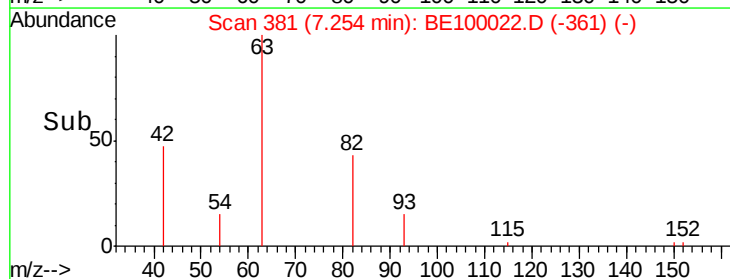
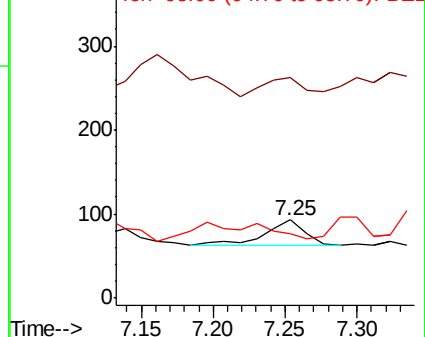
93 100

63 74.2 202.8 304.2#

95 0.0 23.7 35.5#



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

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BP-TT-AOC22-MW03-20190609

Tgt Ion: 136 Resp: 3741

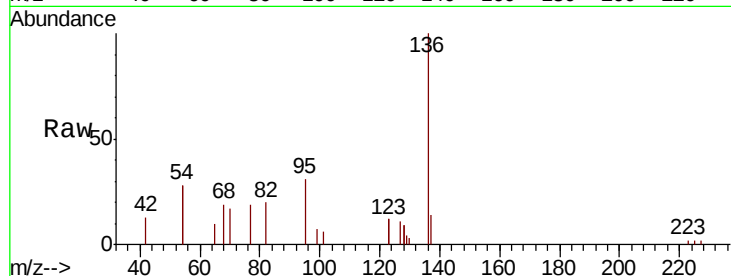
Ion Ratio Lower Upper

136 100

137 14.1 12.3 18.5

54 56.8 28.2 42.4#

68 19.4 7.8 11.8#

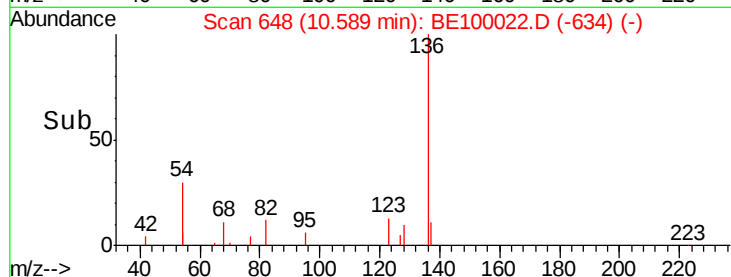
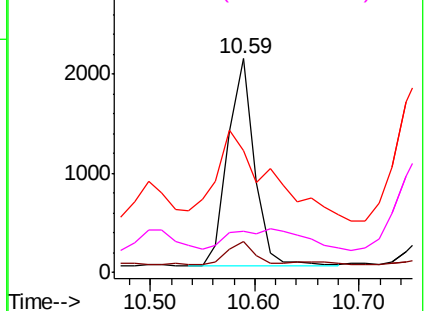


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.528 ng

RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

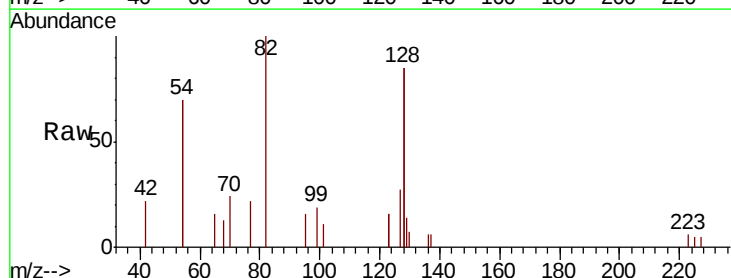
Tgt Ion: 82 Resp: 1871

Ion Ratio Lower Upper

82 100

128 169.3 137.3 205.9

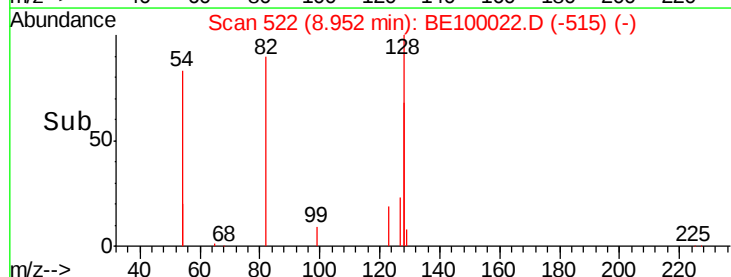
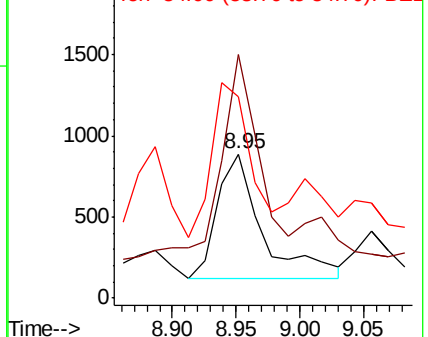
54 139.7 129.7 194.5

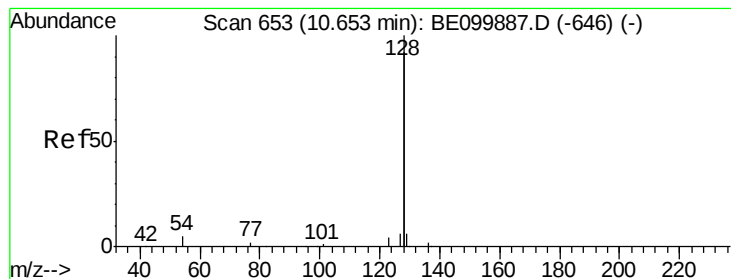


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.249 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

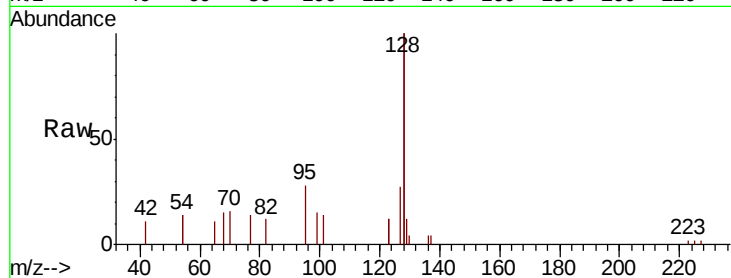
Tgt Ion:128 Resp: 10062

Ion Ratio Lower Upper

128 100

129 6.2 3.0 4.6#

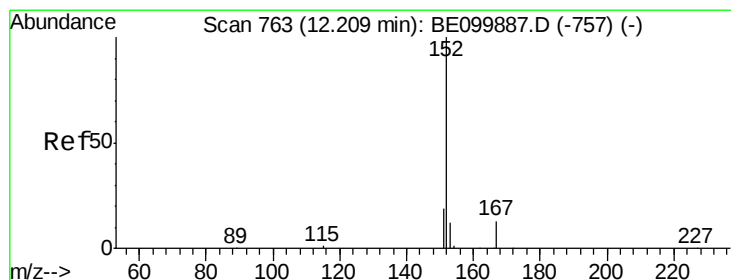
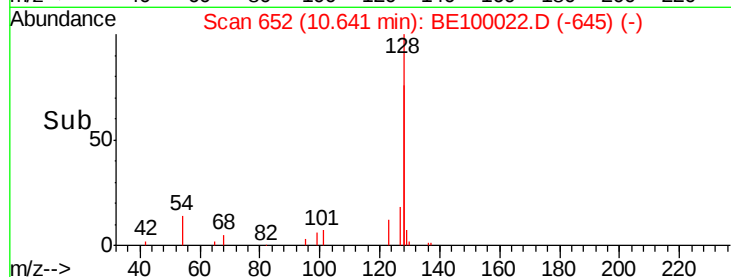
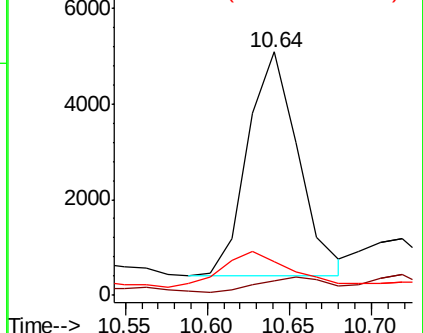
127 13.6 3.4 5.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.441 ng

RT: 12.18 min Scan# 761

Delta R.T. -0.03 min

Lab File: BE100022.D

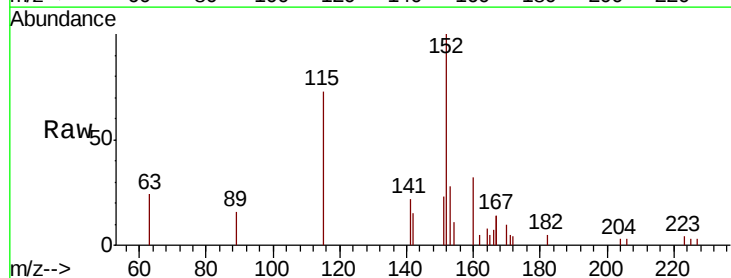
Acq: 14 Jun 2019 14:31

Tgt Ion:152 Resp: 2879

Ion Ratio Lower Upper

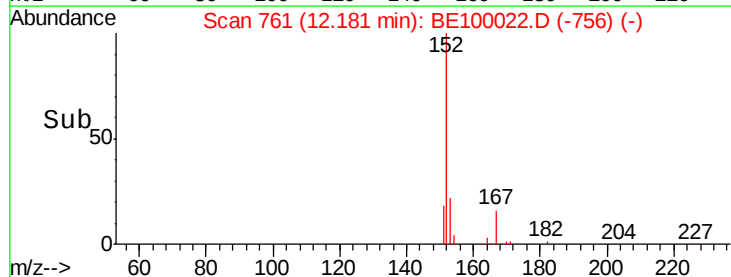
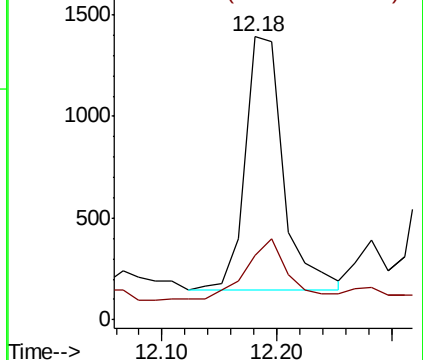
152 100

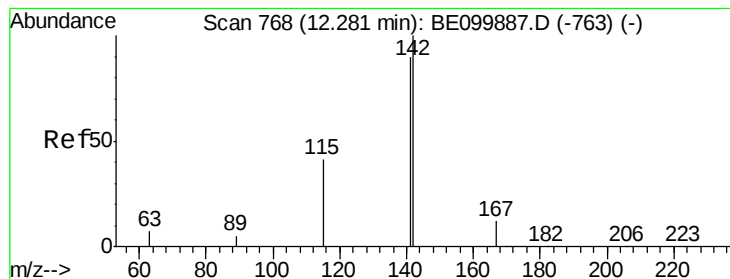
151 25.0 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.040 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

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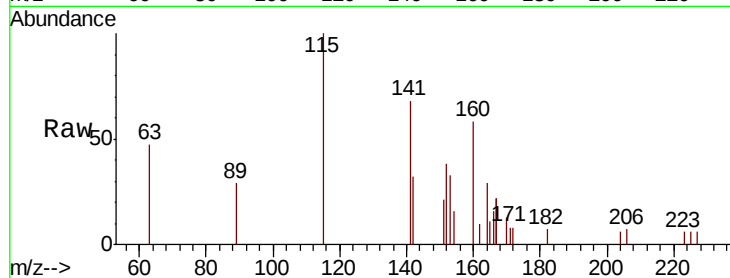
Tgt Ion:142 Resp: 260

Ion Ratio Lower Upper

142 100

141 215.9 72.3 108.5#

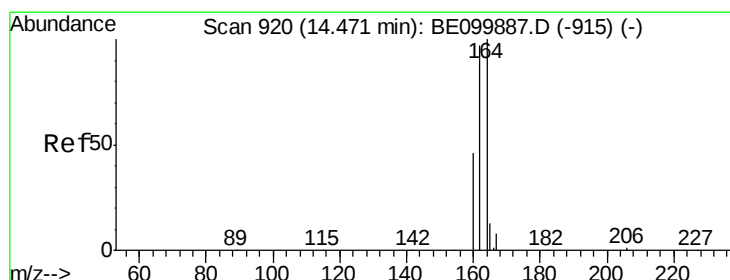
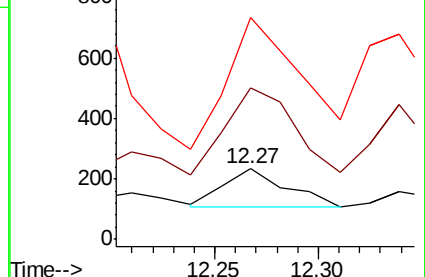
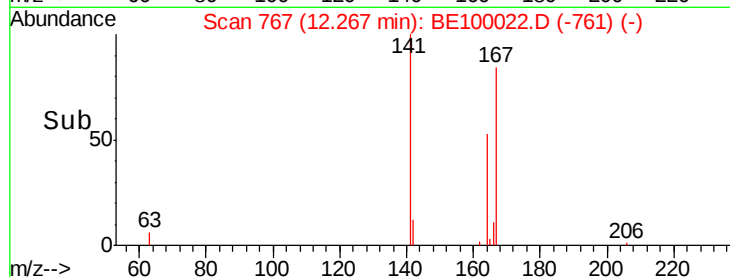
115 315.5 36.4 54.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.02 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

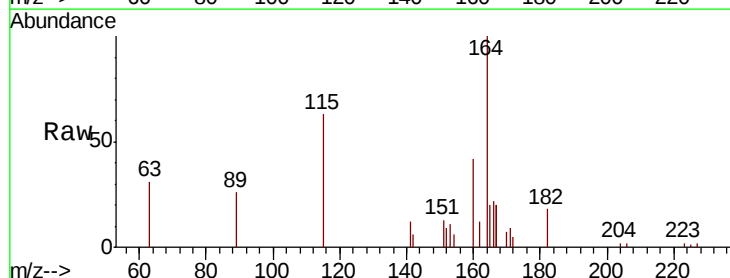
Tgt Ion:164 Resp: 9640

Ion Ratio Lower Upper

164 100

162 12.3 77.8 116.8#

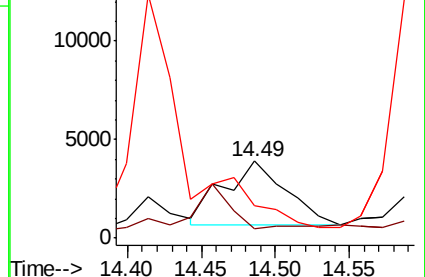
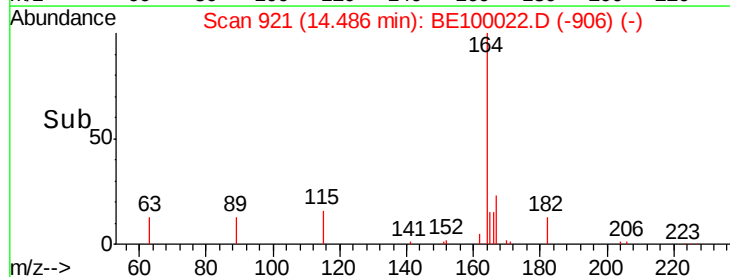
160 41.7 38.2 57.4

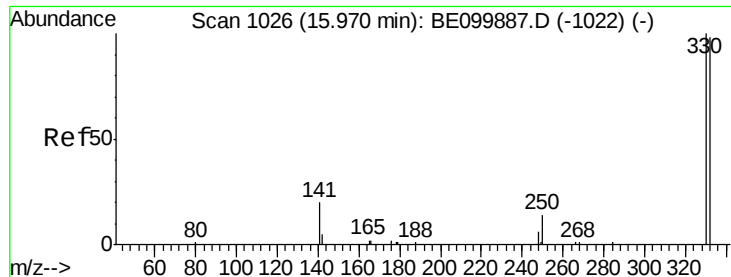


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

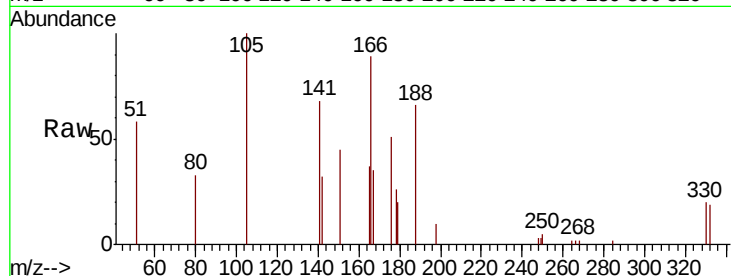




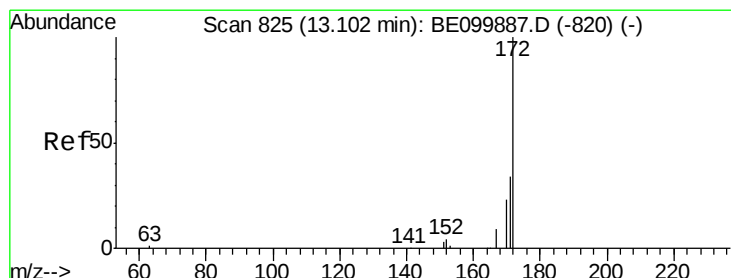
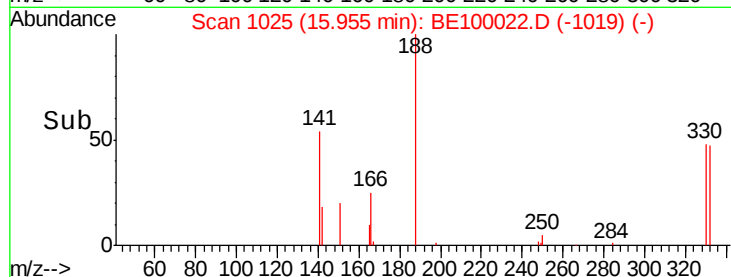
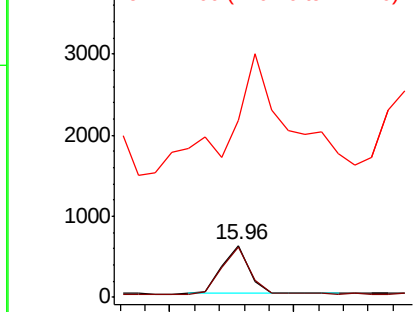
#14
 2,4,6-Tribromophenol
 Concen: 0.129 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE100022.D
 Acq: 14 Jun 2019 14:31

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20190609

Tgt Ion: 330 Resp: 916
 Ion Ratio Lower Upper
 330 100
 332 98.7 76.7 115.1
 141 381.2 21.0 31.6#

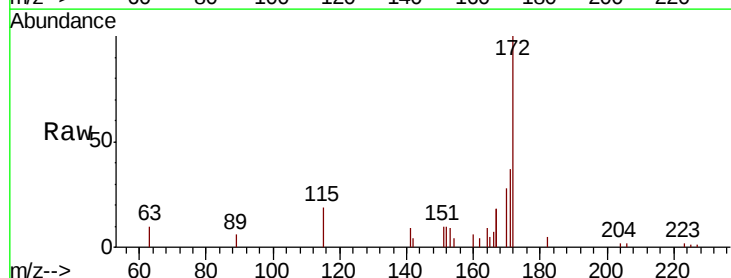


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

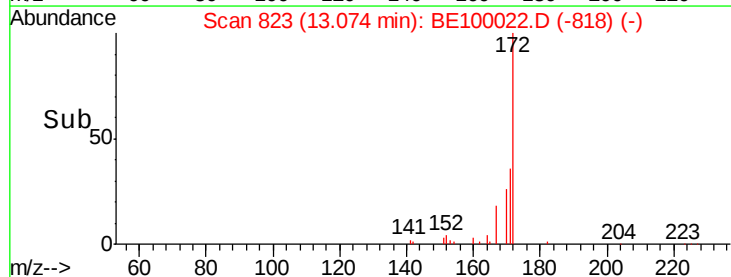
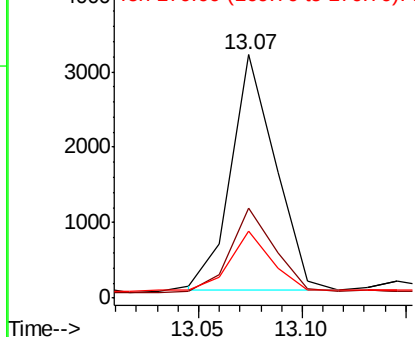


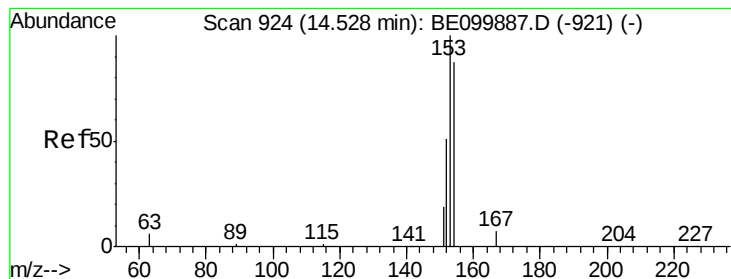
#15
 2-Fluorobiphenyl
 Concen: 0.127 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: BE100022.D
 Acq: 14 Jun 2019 14:31

Tgt Ion: 172 Resp: 4653
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.2 43.8
 170 27.7 21.2 31.8



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





#17

Acenaphthene

Concen: 0.029 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

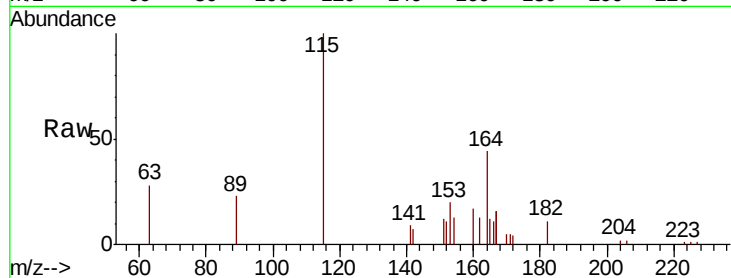
Tgt Ion:154 Resp: 757

Ion Ratio Lower Upper

154 100

153 126.2 93.1 139.7

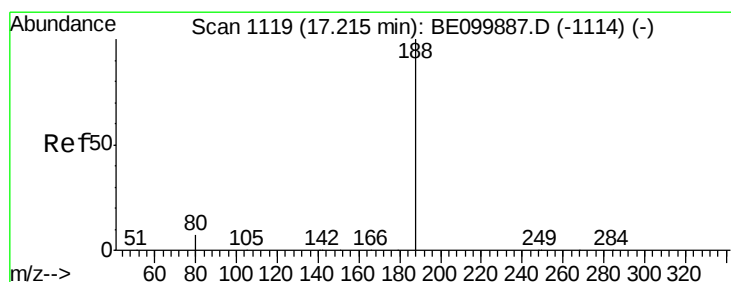
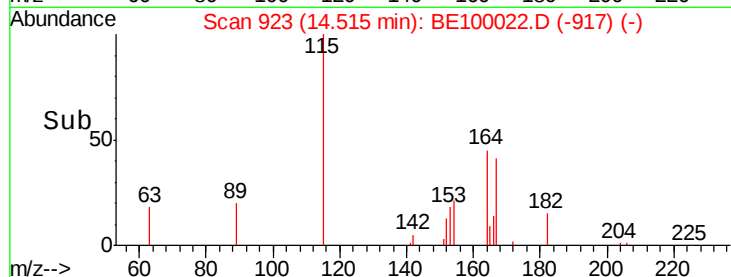
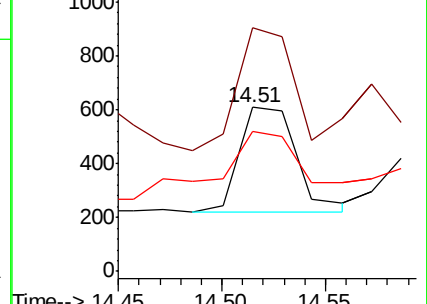
152 42.4 47.0 70.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

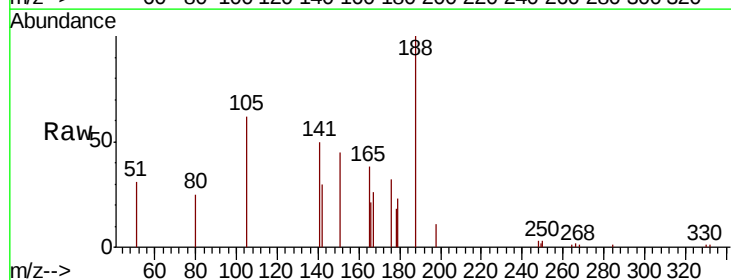
Tgt Ion:188 Resp: 10132

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

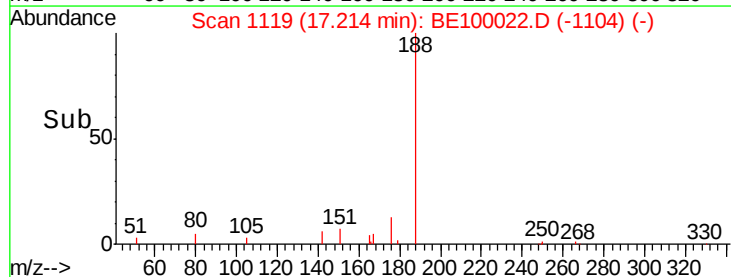
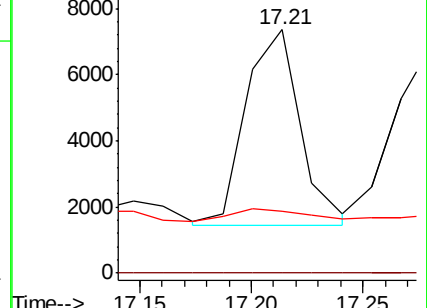
80 25.2 6.4 9.6#

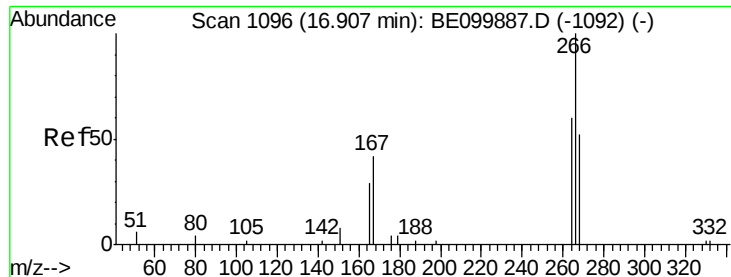


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1

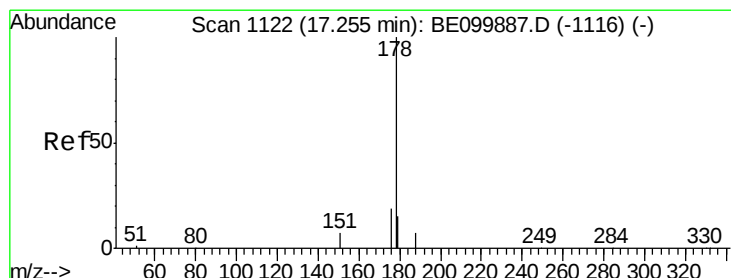
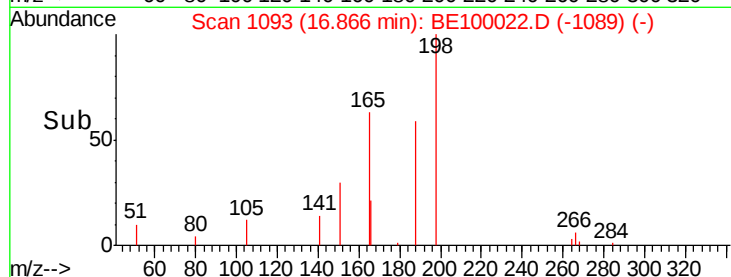
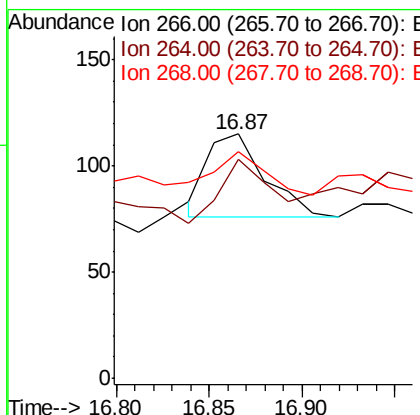
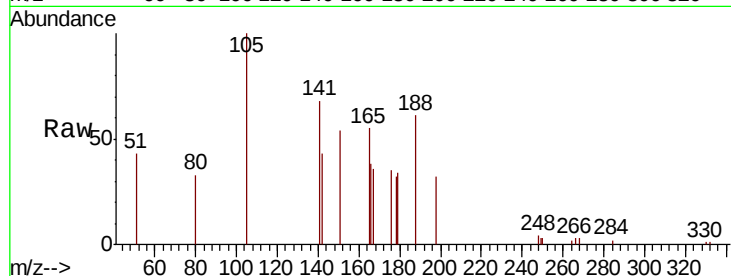




#22
 Pentachlorophenol
 Concen: 0.329 ng
 RT: 16.87 min Scan# 1093
 Delta R.T. -0.04 min
 Lab File: BE100022.D
 Acq: 14 Jun 2019 14:31

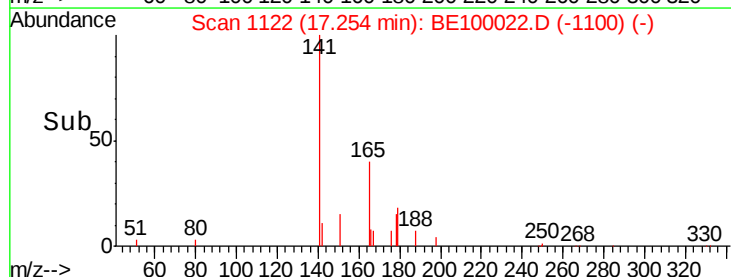
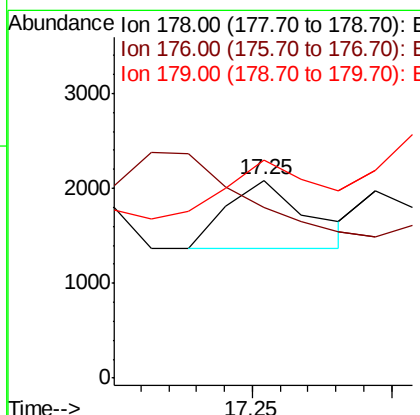
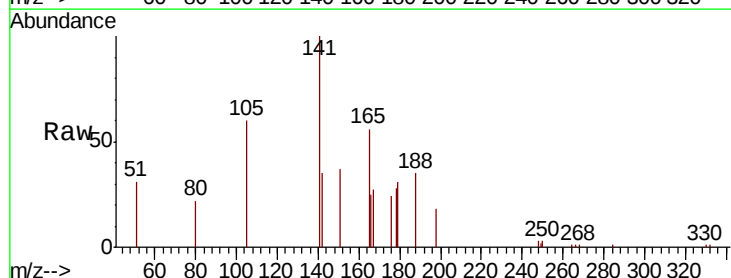
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20190609

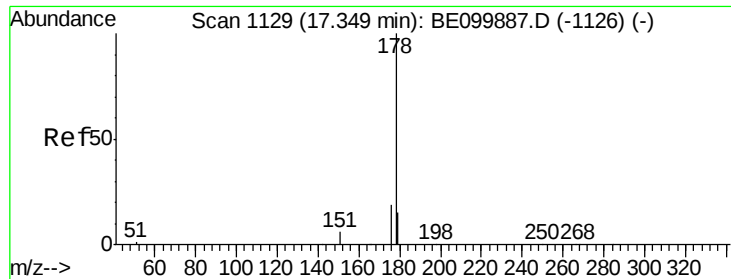
Tgt Ion: 266 Resp: 84
 Ion Ratio Lower Upper
 266 100
 264 89.6 62.2 93.2
 268 93.0 65.5 98.3



#23
 Phenanthrene
 Concen: 0.059 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BE100022.D
 Acq: 14 Jun 2019 14:31

Tgt Ion: 178 Resp: 1454
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.8 23.8#
 179 97.2 12.4 18.6#

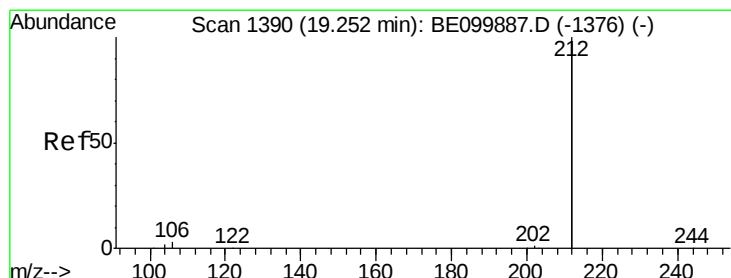
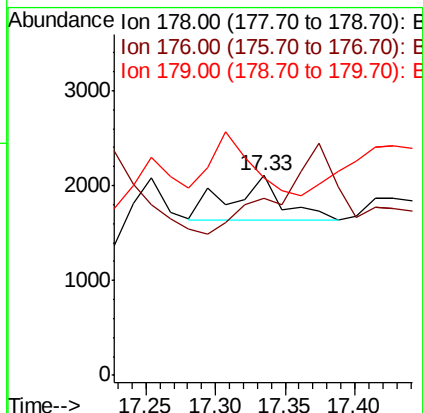
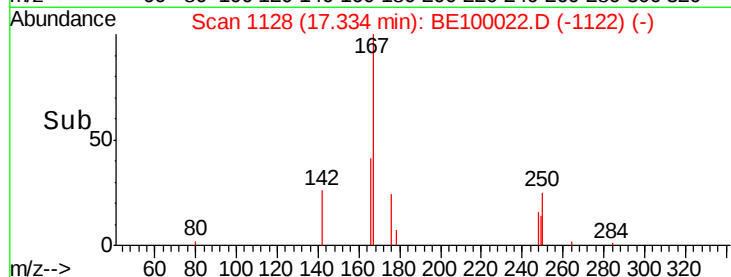
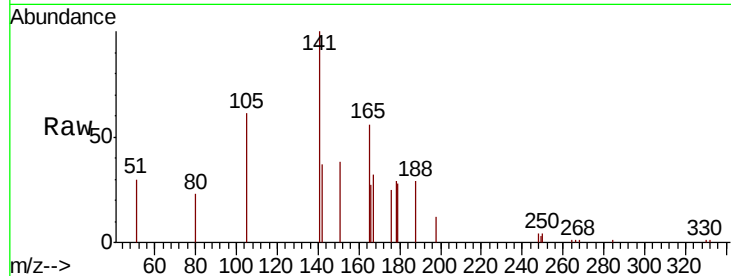




#24
 Anthracene
 Concen: 0.054 ng
 RT: 17.33 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BE100022.D
 Acq: 14 Jun 2019 14:31

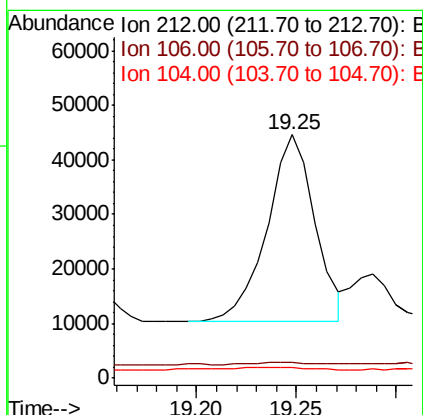
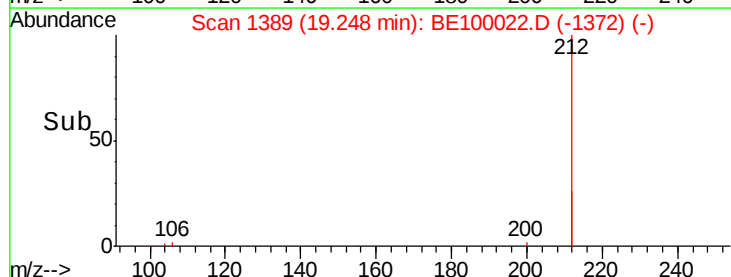
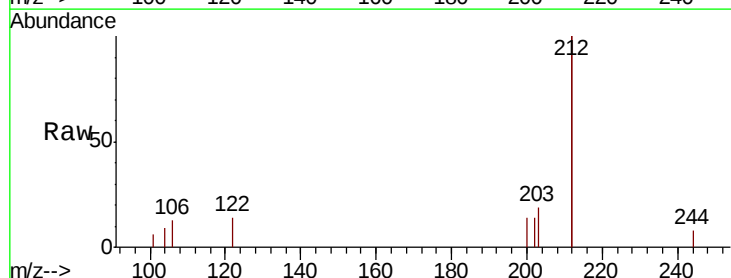
Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-AOC22-MW03-20190609

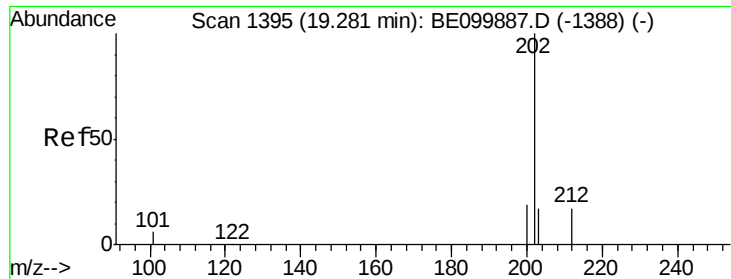
Tgt Ion:178 Resp: 1223
 Ion Ratio Lower Upper
 178 100
 176 0.0 14.6 22.0#
 179 0.0 12.3 18.5#



#25
 Fluoranthene-d10
 Concen: 0.386 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BE100022.D
 Acq: 14 Jun 2019 14:31

Tgt Ion:212 Resp: 56950
 Ion Ratio Lower Upper
 212 100
 106 1.7 1.4 2.2
 104 2.3 0.9 1.3#

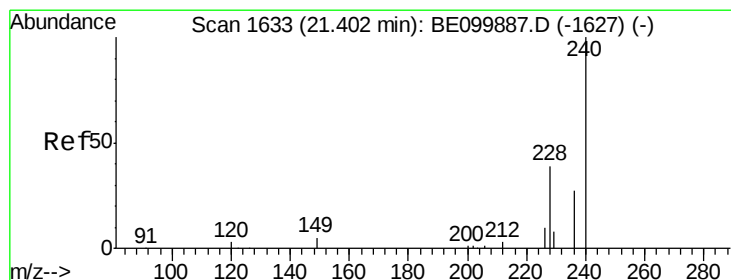
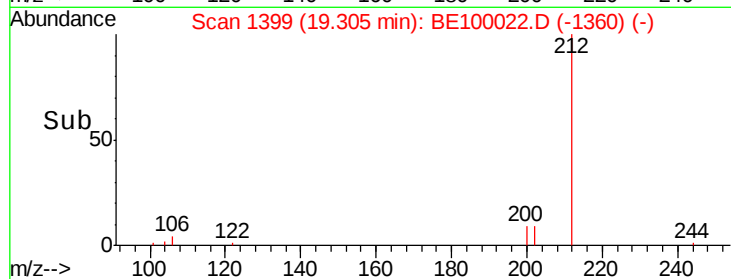
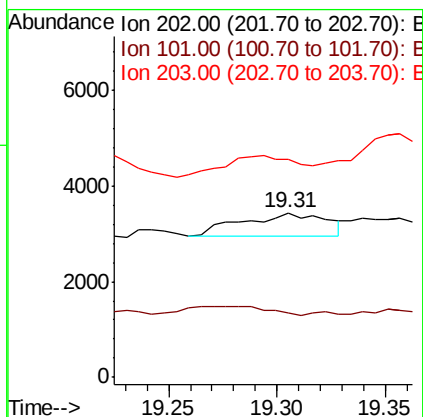
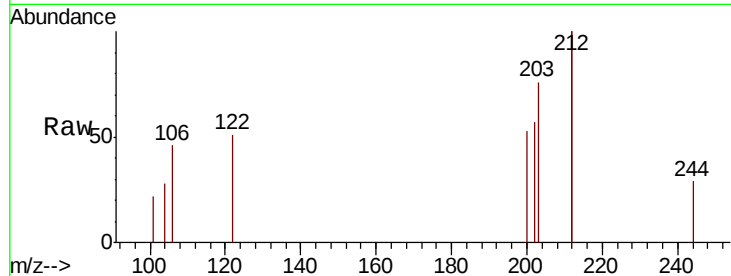




#26
Fluoranthene
Concen: 0.031 ng
RT: 19.31 min Scan# 1399
Delta R.T. 0.02 min
Lab File: BE100022.D
Acq: 14 Jun 2019 14:31

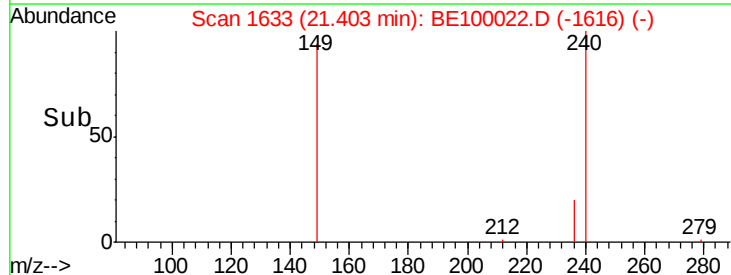
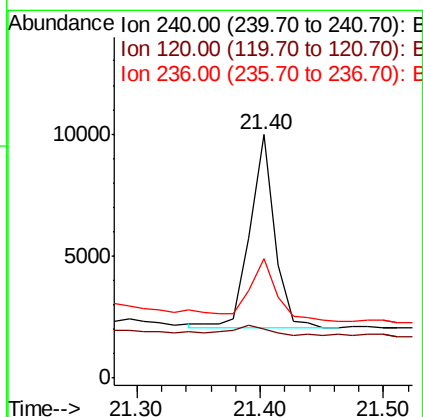
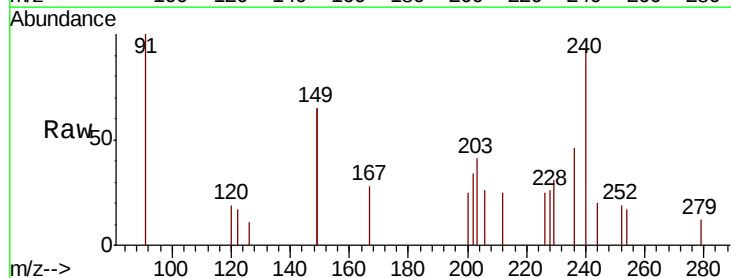
Instrument :
BNA_E
ClientSampleId :
BP-TT-AOC22-MW03-20190609

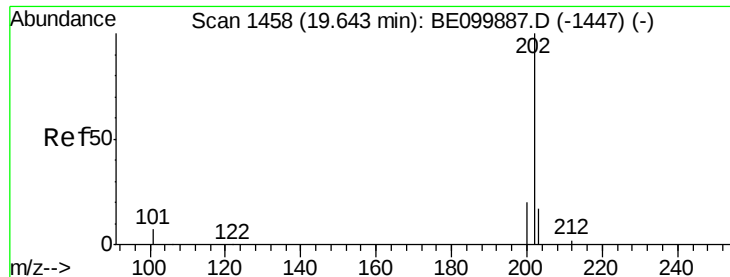
Tgt Ion: 202 Resp: 1312
Ion Ratio Lower Upper
202 100
101 0.0 5.4 8.0#
203 84.5 13.2 19.8#



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100022.D
Acq: 14 Jun 2019 14:31

Tgt Ion: 240 Resp: 11291
Ion Ratio Lower Upper
240 100
120 20.1 3.8 5.6#
236 49.3 22.0 33.0#





#28

Pyrene

Concen: 0.024 ng

RT: 19.64 min Scan# 1457

Delta R.T. -0.00 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

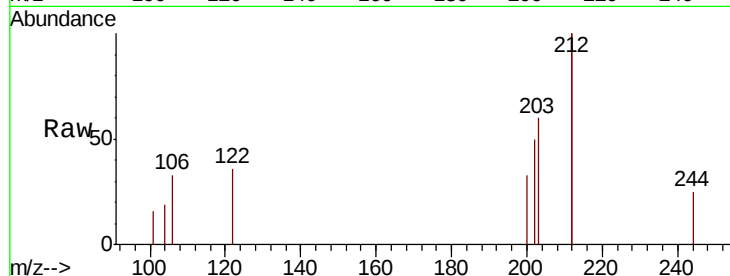
Tgt Ion:202 Resp: 724

Ion Ratio Lower Upper

202 100

200 0.0 15.5 23.3#

203 0.0 14.0 21.0#

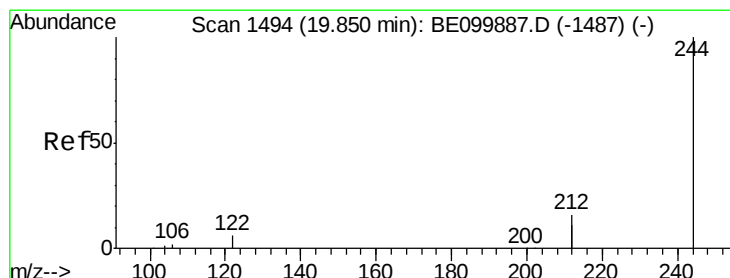
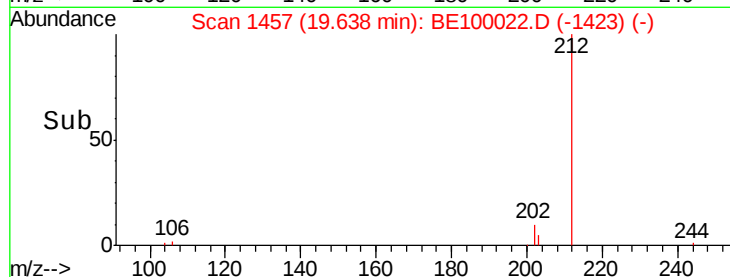
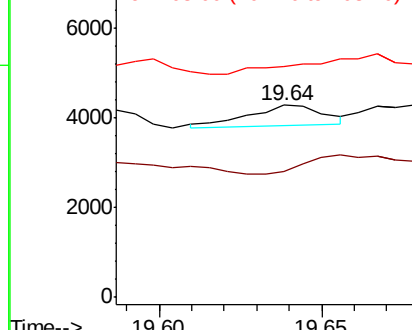


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.525 ng

RT: 19.85 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

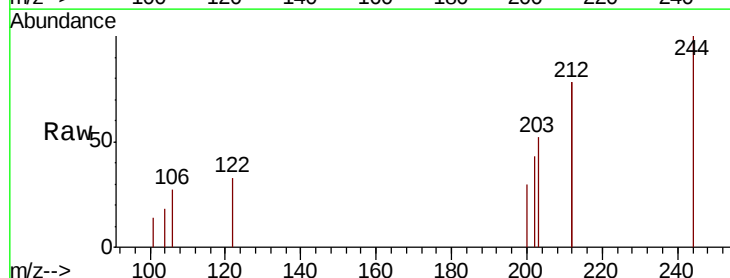
Tgt Ion:244 Resp: 10665

Ion Ratio Lower Upper

244 100

212 156.3 25.7 38.5#

122 32.7 5.5 8.3#

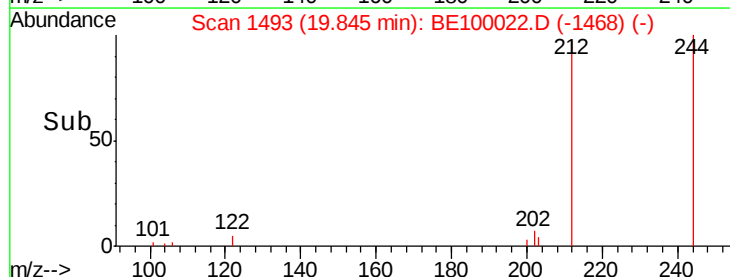
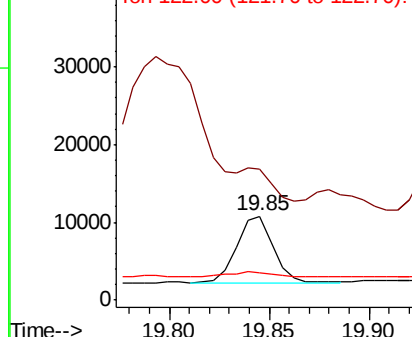


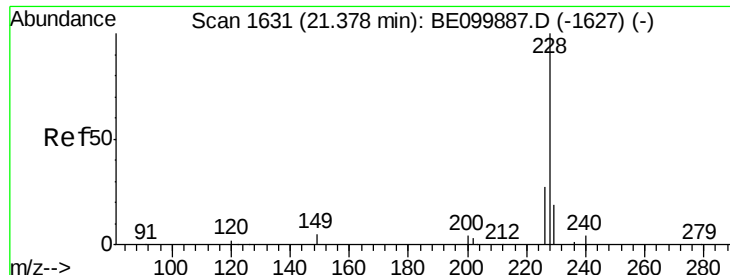
Abundance

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





#30

Benzo(a)anthracene

Concen: 0.040 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

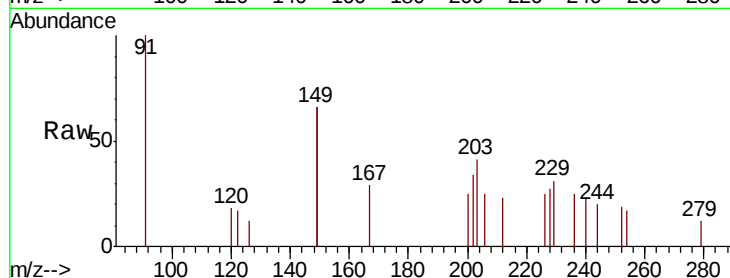
Tgt Ion: 228 Resp: 1356

Ion Ratio Lower Upper

228 100

226 92.7 22.5 33.7#

229 115.1 15.9 23.9#

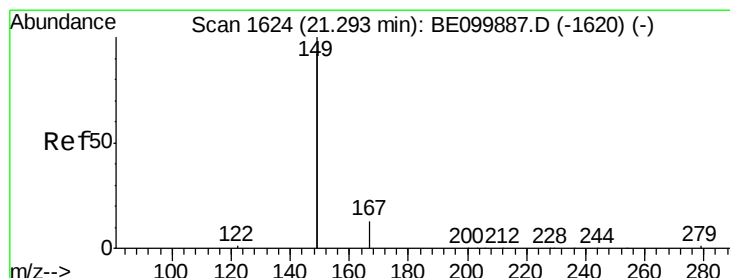
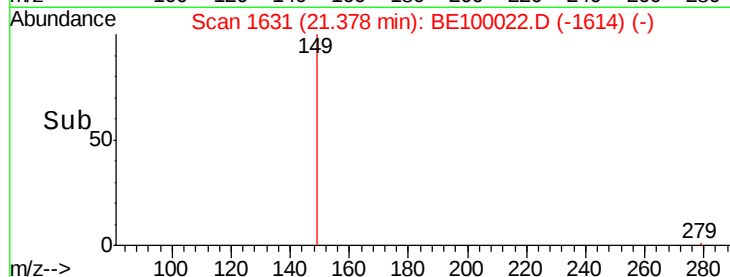
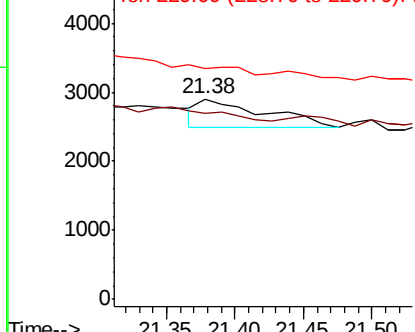


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.047 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

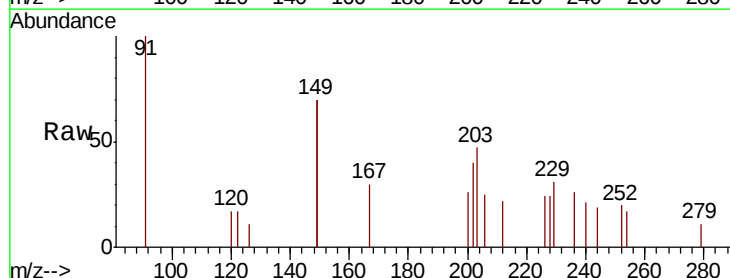
Tgt Ion: 149 Resp: 2264

Ion Ratio Lower Upper

149 100

167 0.0 5.9 8.9#

279 7.0 1.2 1.8#

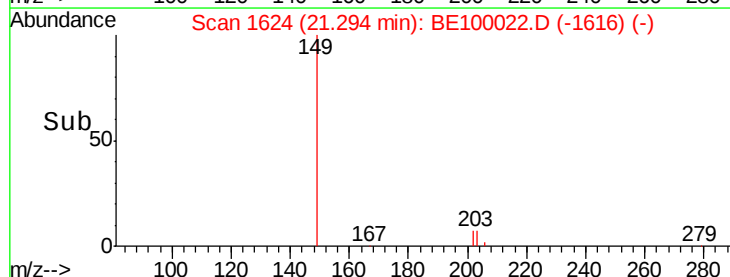
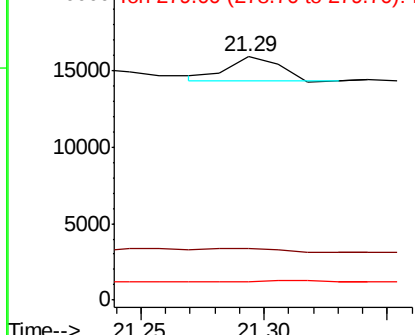


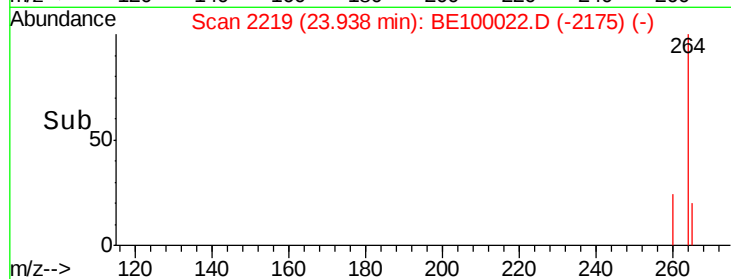
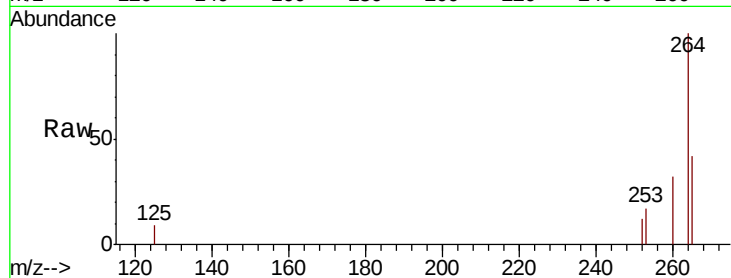
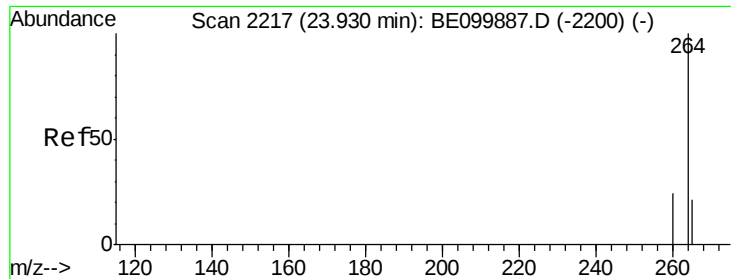
Abundance

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: 23.94 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BE100022.D

Acq: 14 Jun 2019 14:31

Instrument :

BNA_E

ClientSampleId :

BP-TT-AOC22-MW03-20190609

Tgt Ion: 264 Resp: 12565

Ion Ratio Lower Upper

264 100

260 32.2 20.2 30.2#

265 42.5 22.0 33.0#

