

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061919\
 Data File : BE100098.D
 Acq On : 20 Jun 2019 00:39
 Operator : JU/SJ
 Sample : K3309-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-190611

Quant Time: Jun 20 07:49:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	889	0.40	ng	-0.01
7) Naphthalene-d8	10.52	136	3094	0.40	ng	-0.01
13) Acenaphthene-d10	14.41	164	2461	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	7528	0.40	ng	0.00
27) Chrysene-d12	21.34	240	11220	0.40	ng	0.00
34) Perylene-d12	23.84	264	12988	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.30	112	432	0.23	ng	0.00
5) Phenol-d6	6.91	99	299	0.12	ng	-0.02
8) Nitrobenzene-d5	8.89	82	1324	0.44	ng	-0.03
11) 2-Methylnaphthalene-d10	12.14	152	1803	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	630	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	3812	0.39	ng	-0.01
25) Fluoranthene-d10	19.20	212	36125	0.34	ng	0.00
29) Terphenyl-d14	19.79	244	12155	0.54	ng	-0.01

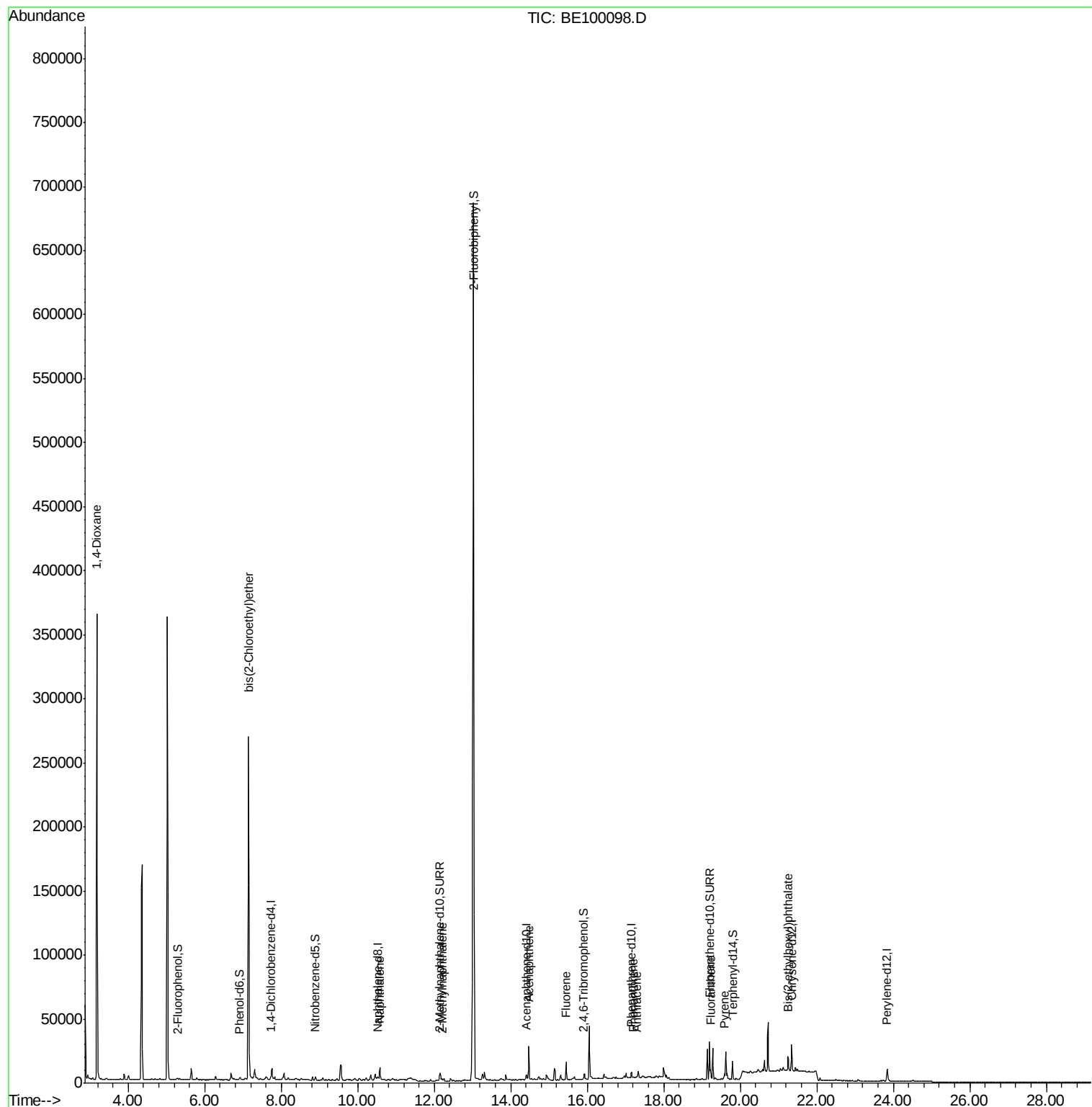
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	241490	169.302	ng	92
6) bis(2-Chloroethyl)ether	7.15	93	102136	39.104	ng	92
9) Naphthalene	10.58	128	8904	0.265	ng	# 99
12) 2-Methylnaphthalene	12.21	142	1585	0.287	ng	96
17) Acenaphthene	14.47	154	12139	1.858	ng	95
18) Fluorene	15.45	166	9513	0.978	ng	98
23) Phenanthrene	17.20	178	916	0.051	ng	# 37
24) Anthracene	17.29	178	1348	0.089	ng	# 82
26) Fluoranthene	19.22	202	6722	0.232	ng	# 93
28) Pyrene	19.59	202	4498	0.156	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.24	149	16711	0.531	ng	100

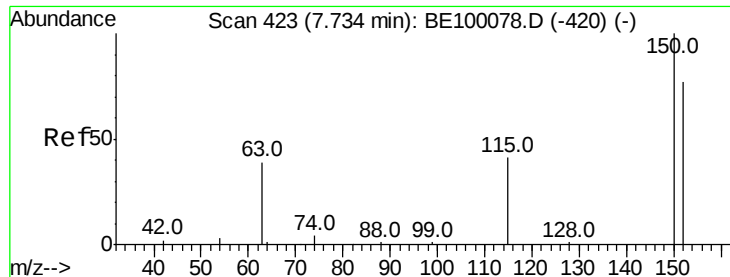
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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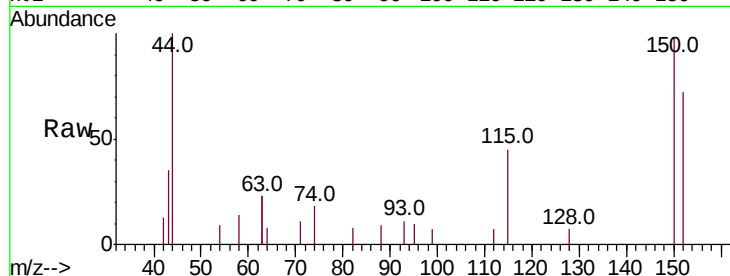


#1

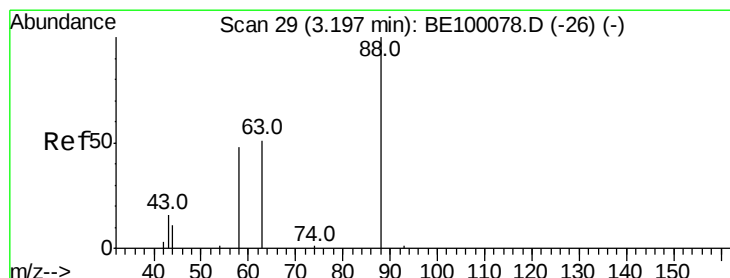
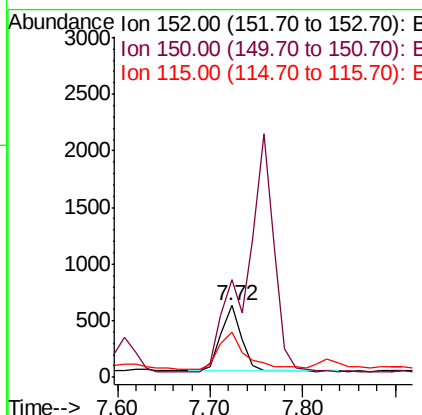
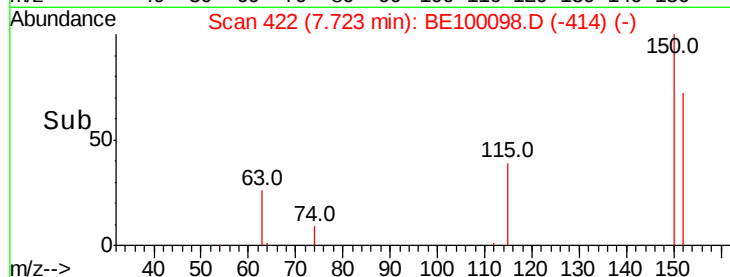
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

Instrument :
BNA_E
ClientSampleId :
SS043MW011-190611

Tot Ion:152 Resp: 889
Ion Ratio Lower Upper
152 100
150 136.7 99.8 149.8
115 62.6 51.3 76.9



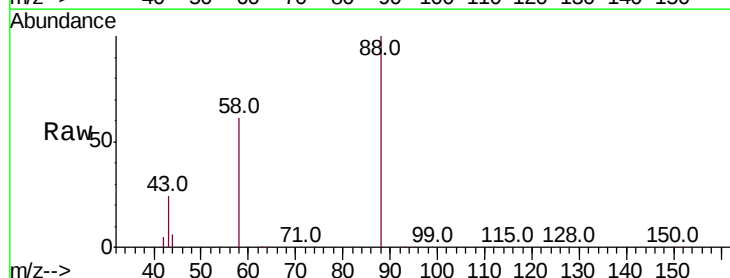
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



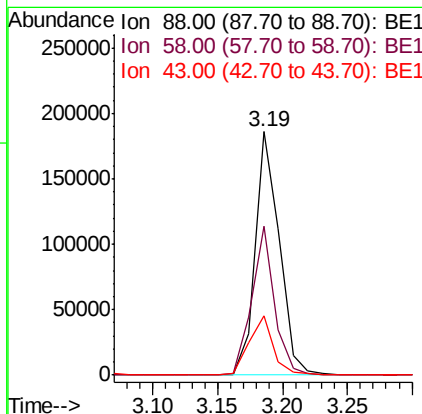
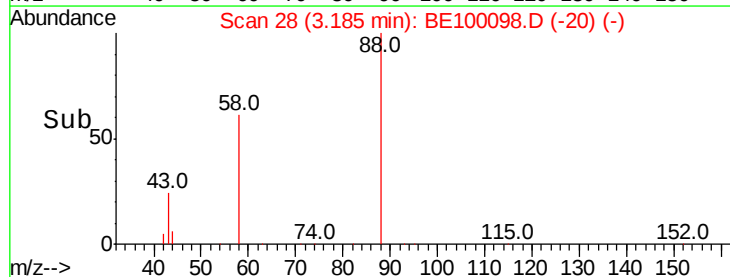
#2

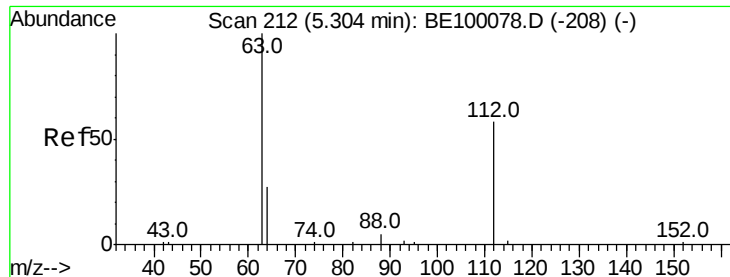
1,4-Dioxane
Concen: 169.302 ng
RT: 3.19 min Scan# 28
Delta R.T. -0.01 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

Tgt Ion: 88 Resp: 241490
Ion Ratio Lower Upper
88 100
58 57.0 51.1 76.7
43 23.2 21.7 32.5



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





#4

2-Fluorophenol

Concen: 0.234 ng

RT: 5.30 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

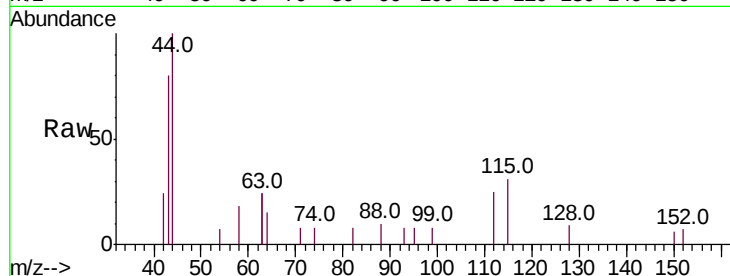
Tot Ion:112 Resp: 432

Ion Ratio Lower Upper

112 100

64 26.6 22.0 33.0

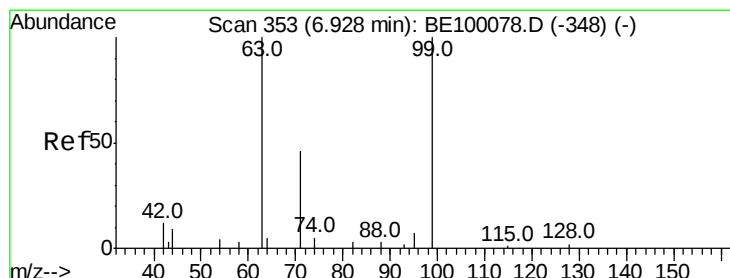
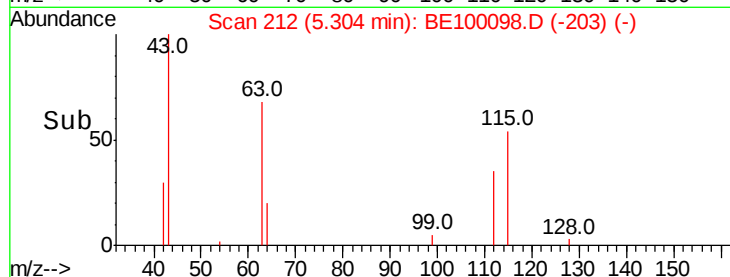
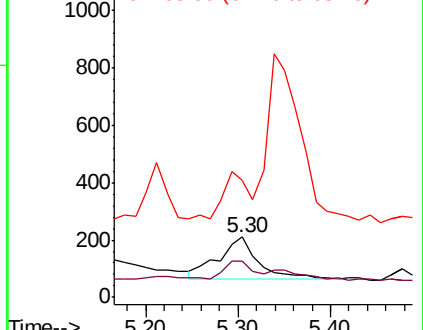
63 70.4 121.8 182.6#



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: 0.118 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

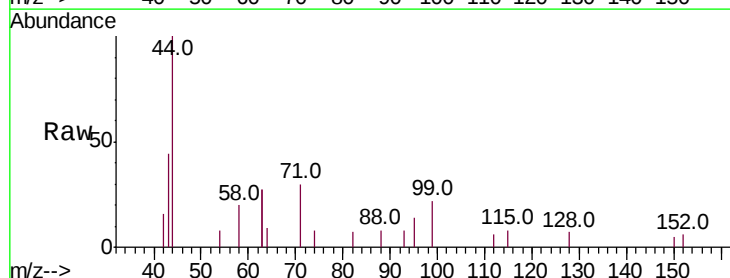
Tgt Ion: 99 Resp: 299

Ion Ratio Lower Upper

99 100

42 57.9 0.0 0.0#

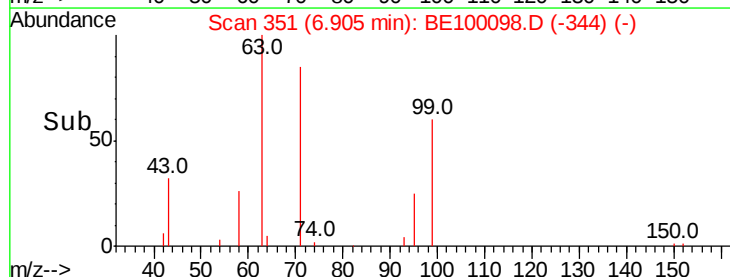
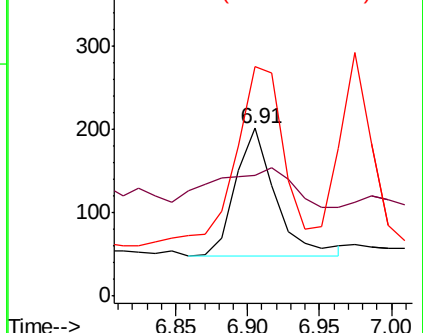
71 156.5 37.6 56.4#

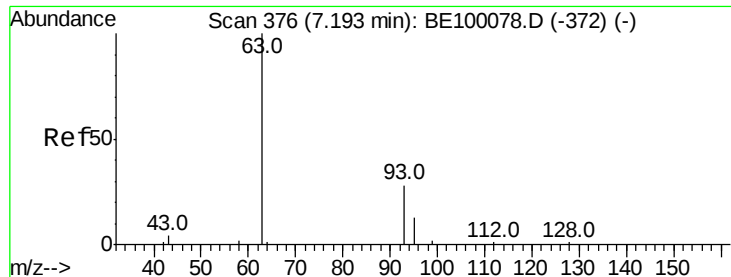


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 39.104 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.05 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

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SS043MW011-190611

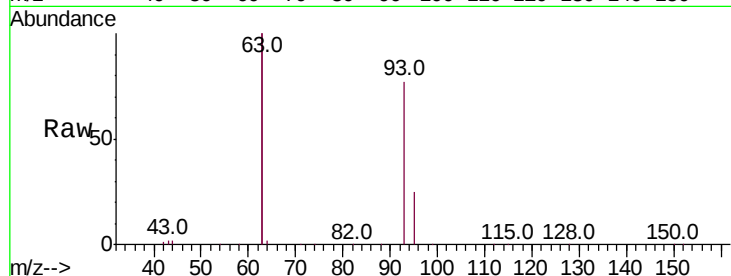
Tot Ion: 93 Resp: 102136

Ion Ratio Lower Upper

93 100

63 264.4 200.0 300.0

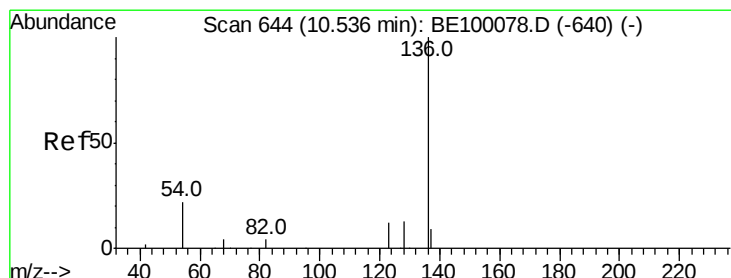
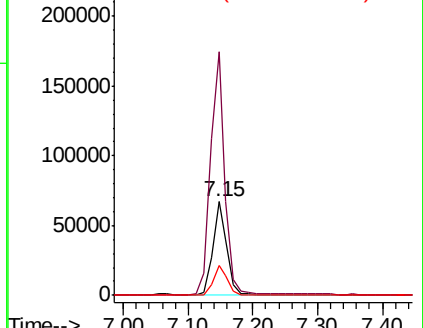
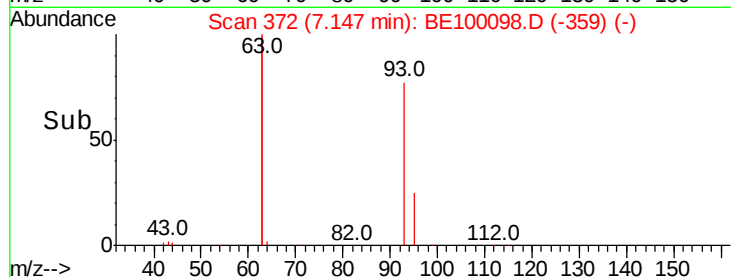
95 33.0 24.0 36.0



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: 10.52 min Scan# 644

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Tgt Ion:136 Resp: 3094

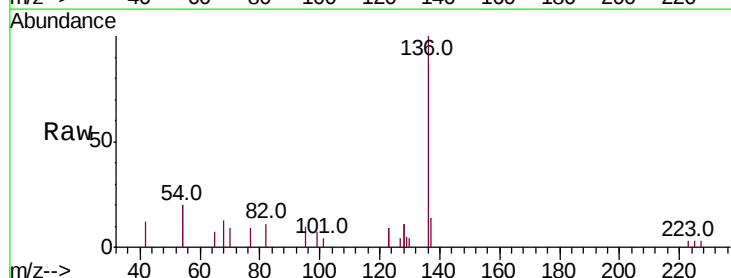
Ion Ratio Lower Upper

136 100

137 13.9 11.6 17.4

54 40.8 33.9 50.9

68 13.5 7.8 11.8#

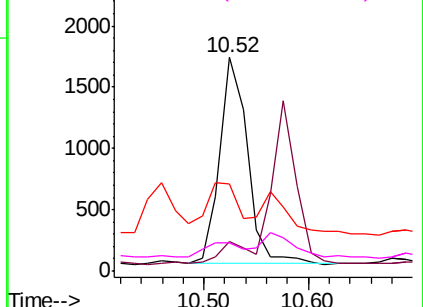
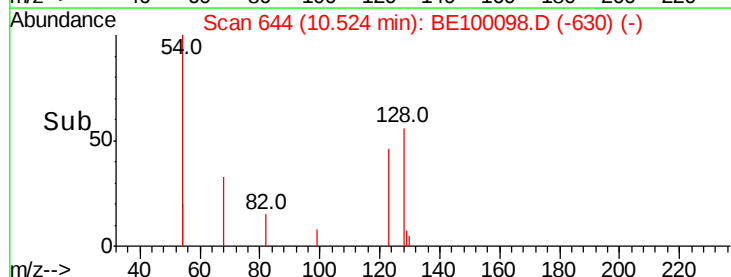


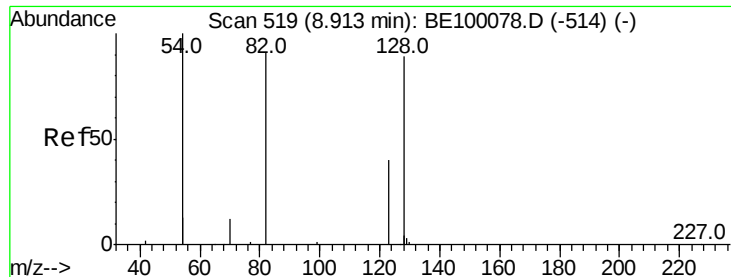
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.441 ng

RT: 8.89 min Scan# 518

Delta R.T. -0.03 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

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SS043MW011-190611

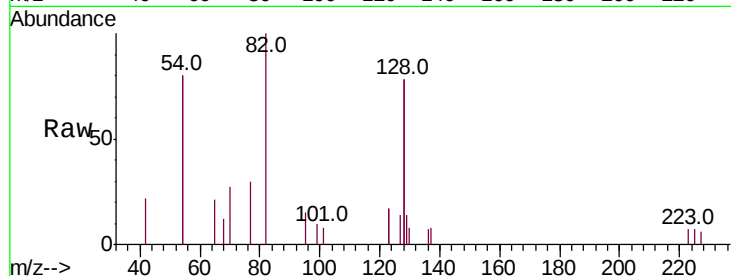
Tot Ion: 82 Resp: 1324

Ion Ratio Lower Upper

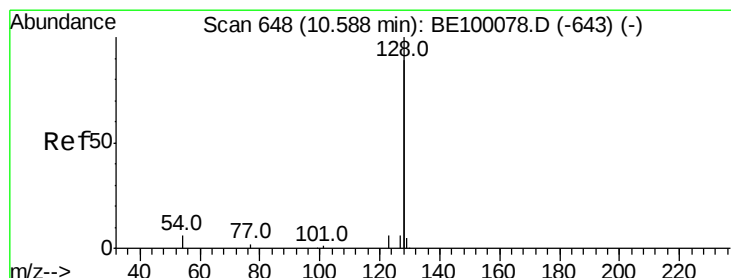
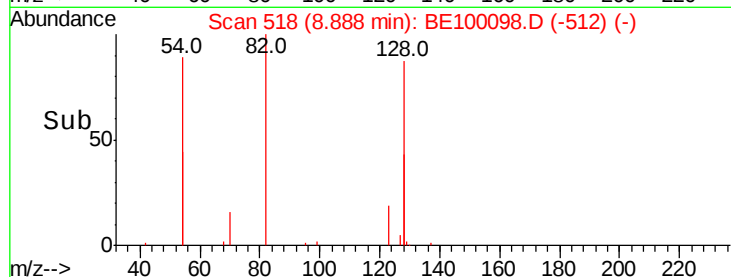
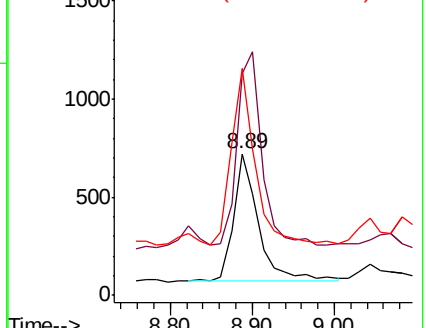
82 100

128 156.7 128.0 192.0

54 160.8 143.4 215.0



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



#9

Naphthalene

Concen: 0.265 ng

RT: 10.58 min Scan# 648

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

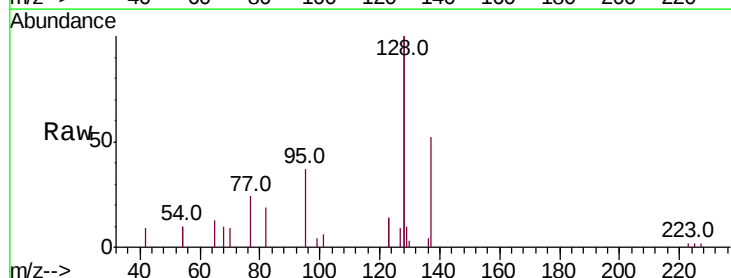
Tgt Ion: 128 Resp: 8904

Ion Ratio Lower Upper

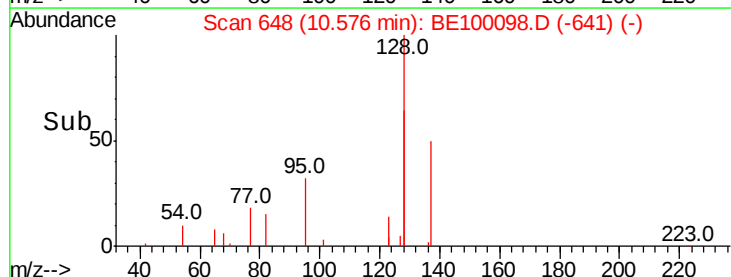
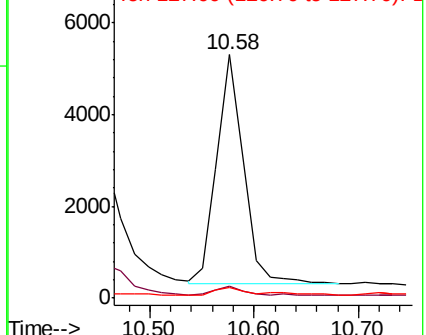
128 100

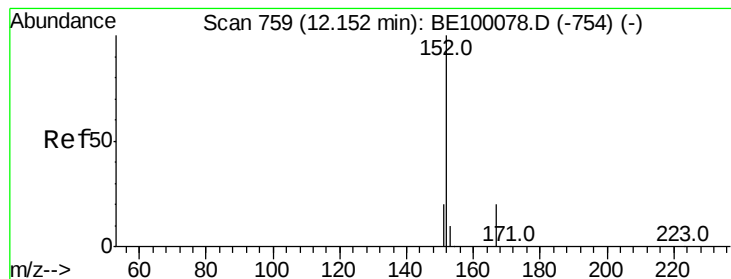
129 4.8 3.1 4.7#

127 4.4 3.4 5.2



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: 0.306 ng

RT: 12.14 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

ClientSampleId :

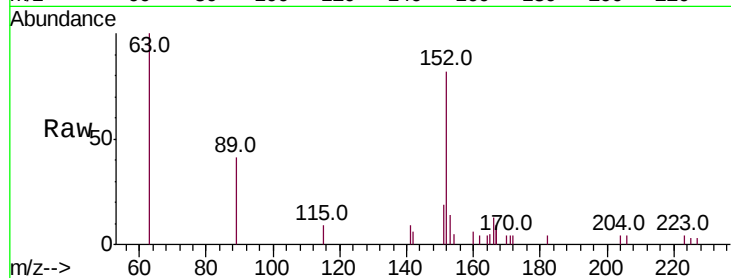
SS043MW011-190611

Tot Ion:152 Resp: 1803

Ion Ratio Lower Upper

152 100

151 31.8 16.3 24.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.14

1000

800

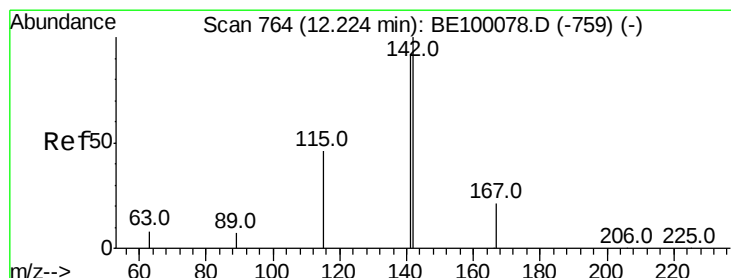
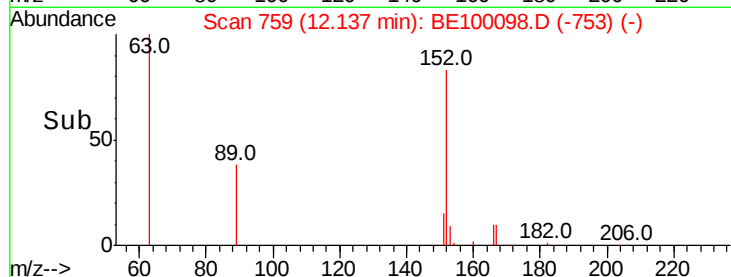
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.287 ng

RT: 12.21 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

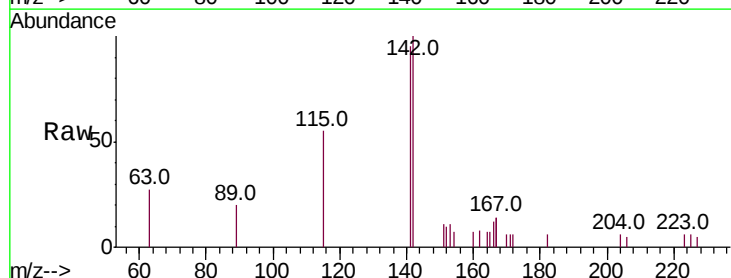
Tgt Ion:142 Resp: 1585

Ion Ratio Lower Upper

142 100

141 94.9 74.1 111.1

115 55.0 40.9 61.3



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

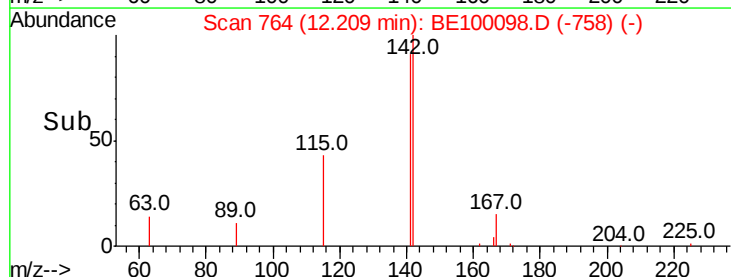
1500

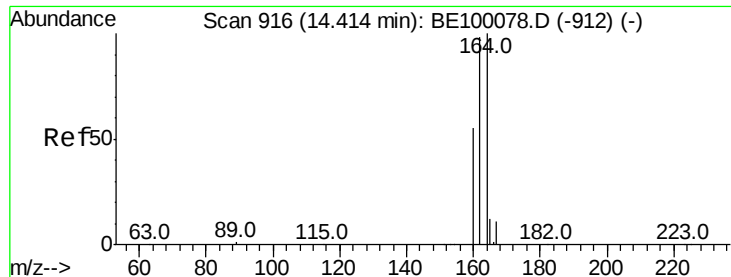
1000

500

0

Time-->

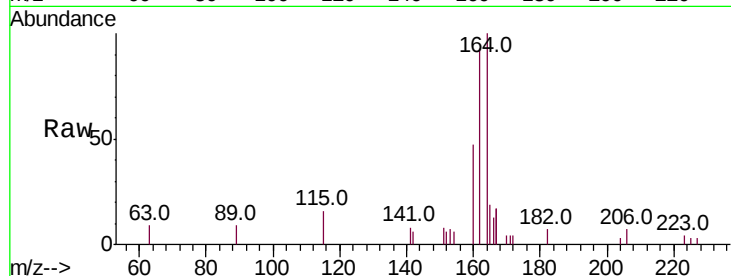




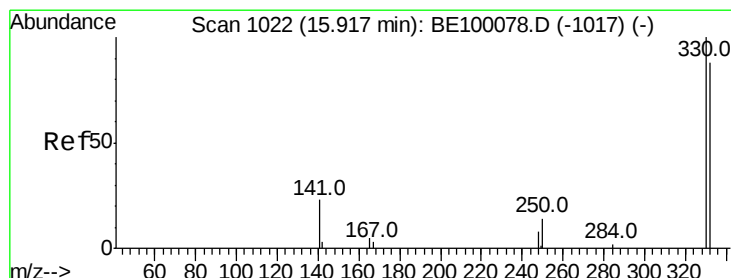
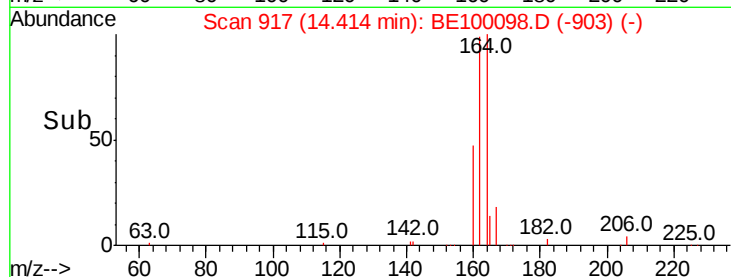
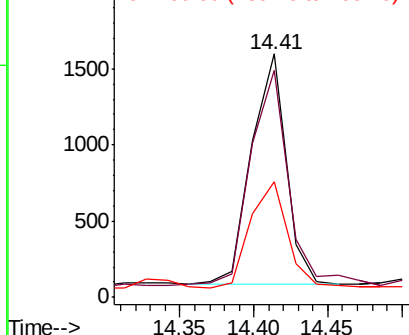
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.41 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

Instrument :
BNA_E
ClientSampleId :
SS043MW011-190611

Tot Ion:164 Resp: 2461
Ion Ratio Lower Upper
164 100
162 93.4 78.2 117.2
160 47.5 45.6 68.4

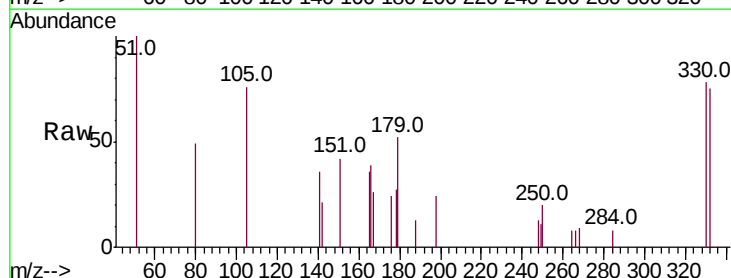


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

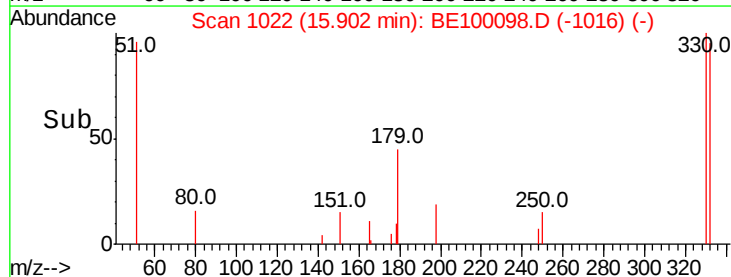
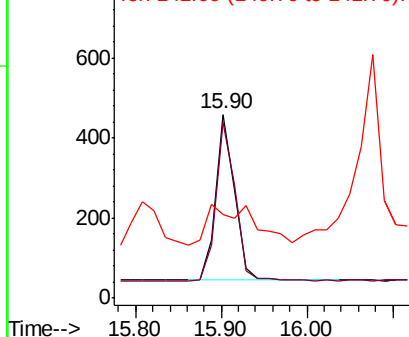


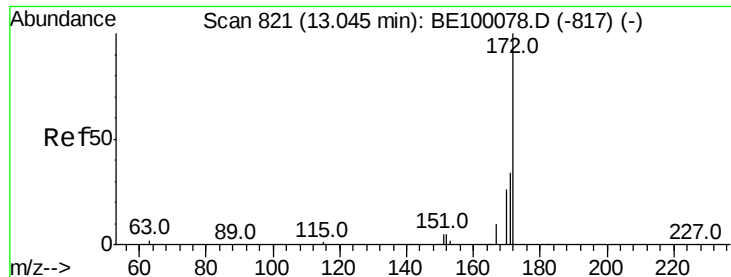
#14
2,4,6-Tribromophenol
Concen: 0.464 ng
RT: 15.90 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

Tgt Ion:330 Resp: 630
Ion Ratio Lower Upper
330 100
332 96.7 73.3 109.9
141 58.3 22.2 33.2#



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

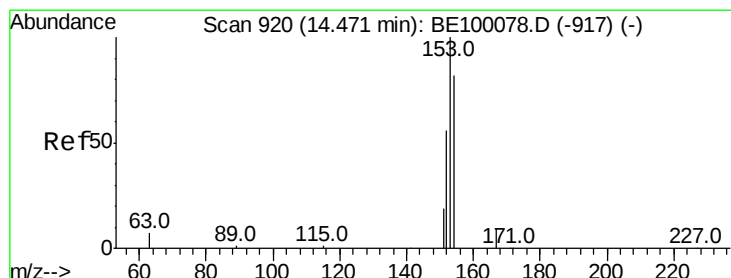
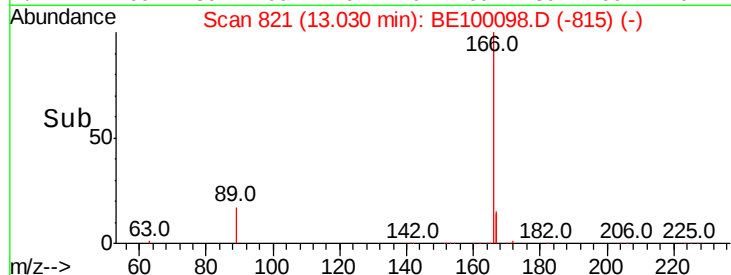
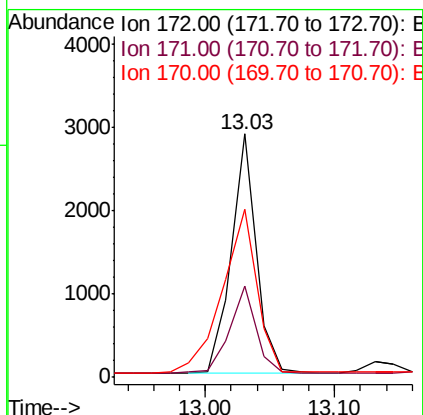
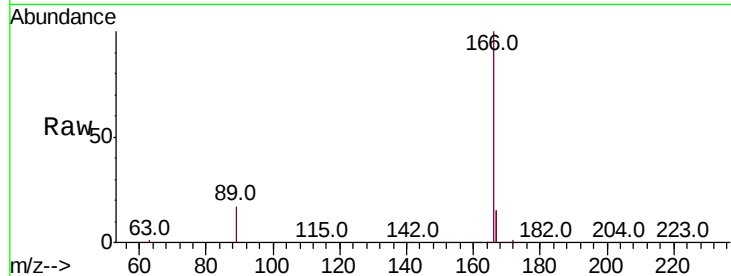




#15
2-Fluorobiphenyl
Concen: 0.394 ng
RT: 13.03 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

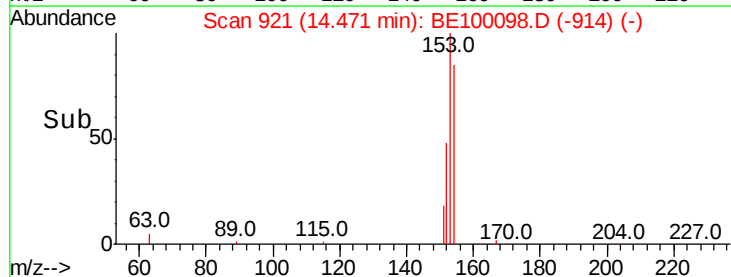
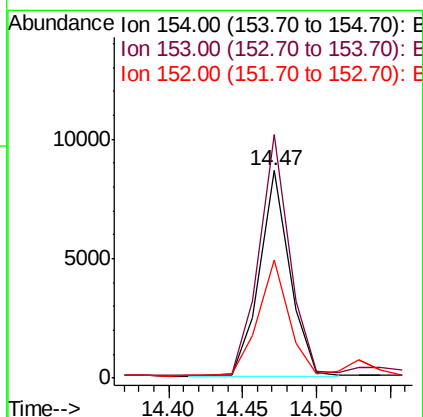
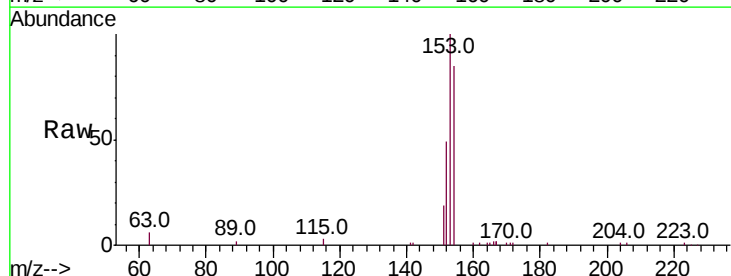
Instrument :
BNA_E
ClientSampleId :
SS043MW011-190611

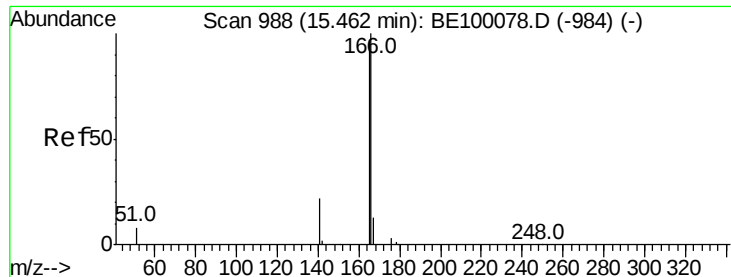
Tot Ion:172 Resp: 3812
Ion Ratio Lower Upper
172 100
171 37.3 29.8 44.8
170 69.1 23.2 34.8#



#17
Acenaphthene
Concen: 1.858 ng
RT: 14.47 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

Tgt Ion:154 Resp: 12139
Ion Ratio Lower Upper
154 100
153 118.9 95.5 143.3
152 57.4 54.9 82.3



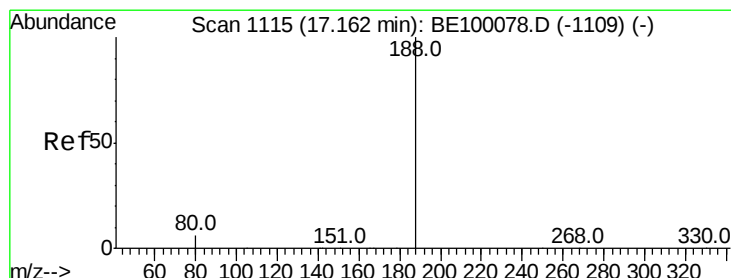
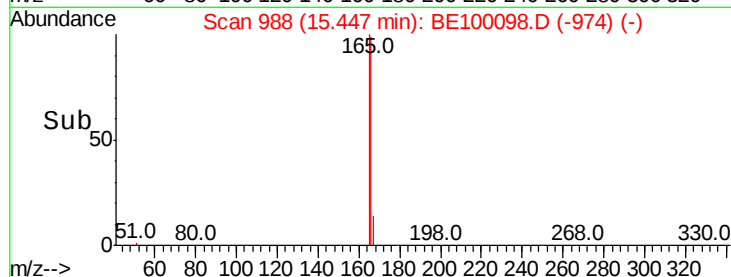
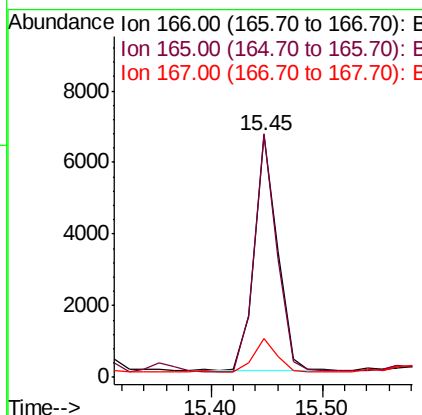
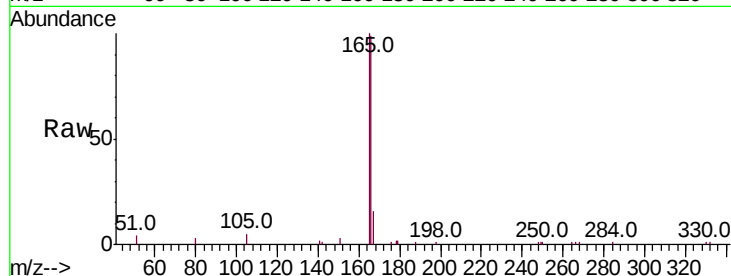


#18
Fluorene
 Concen: 0.978 ng
 RT: 15.45 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: BE100098.D
 Acq: 20 Jun 2019 00:39

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-190611

Tot Ion:166 Resp: 9513

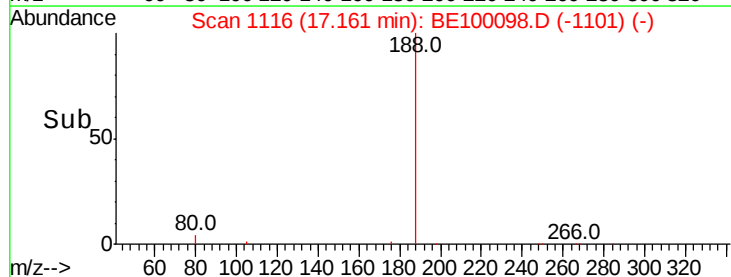
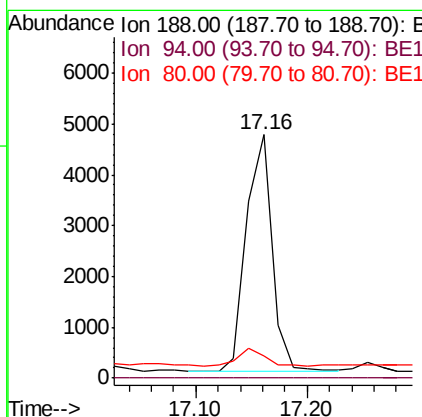
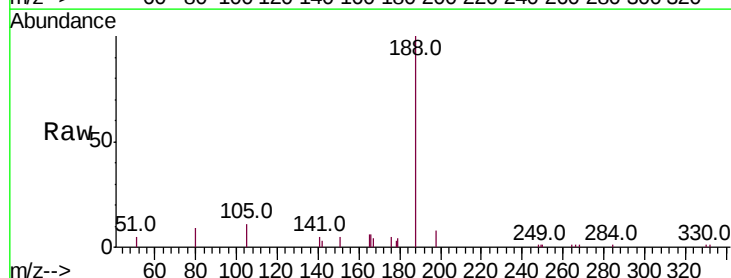
Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.8
167	15.0	10.2	15.4

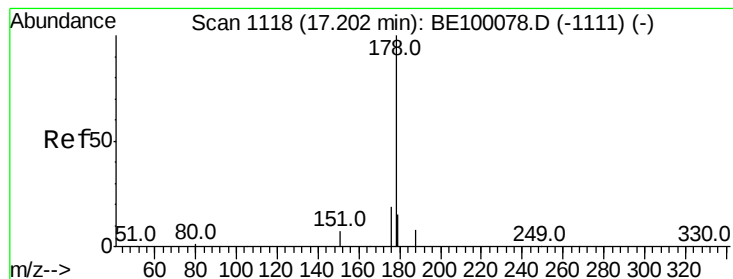


#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.16 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: BE100098.D
 Acq: 20 Jun 2019 00:39

Tgt Ion:188 Resp: 7528

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	6.3	9.5





#23

Phenanthrene

Concen: 0.051 ng

RT: 17.20 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

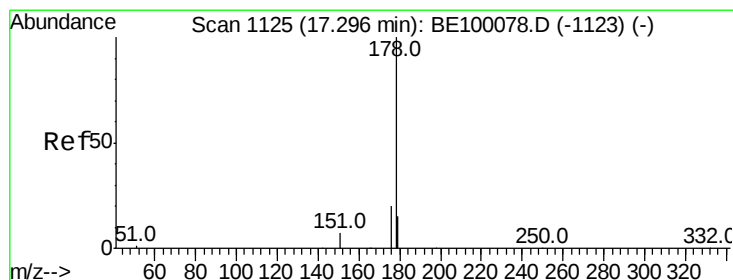
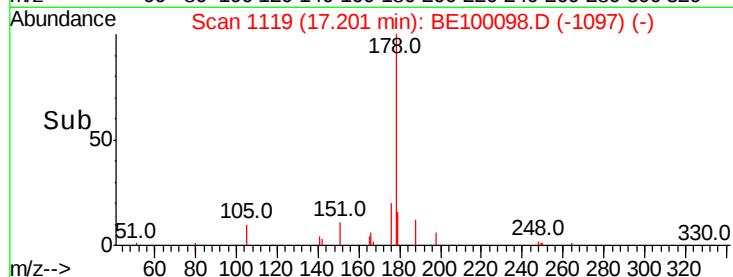
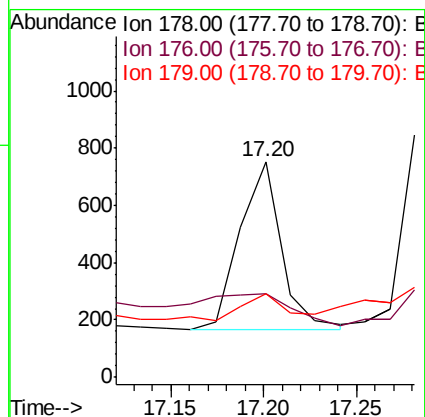
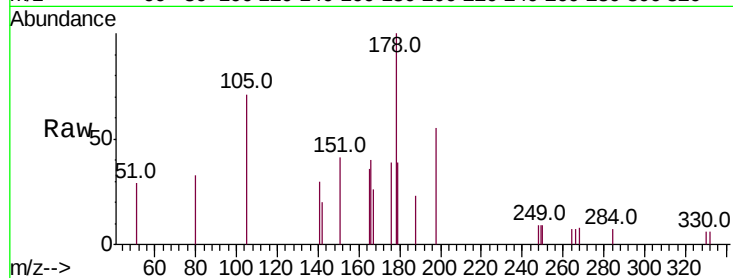
Tot Ion:178 Resp: 916

Ion Ratio Lower Upper

178 100

176 70.5 15.9 23.9#

179 14.3 13.1 19.7



#24

Anthracene

Concen: 0.089 ng

RT: 17.29 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

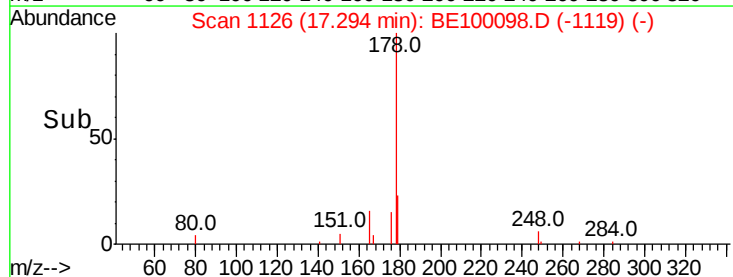
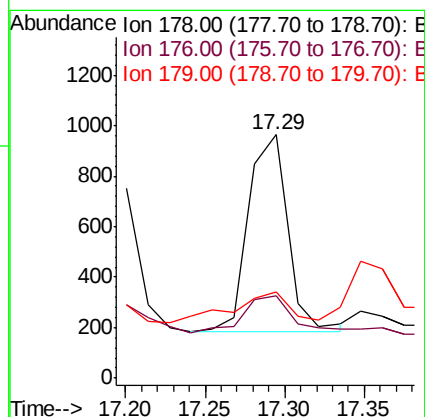
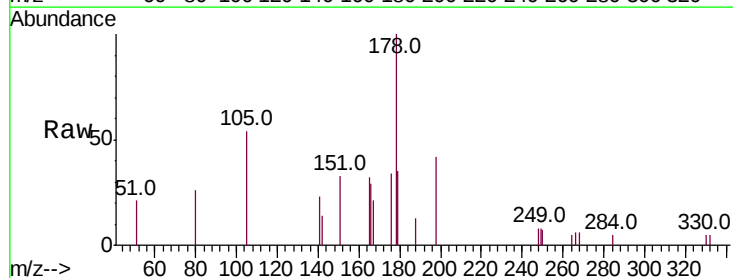
Tgt Ion:178 Resp: 1348

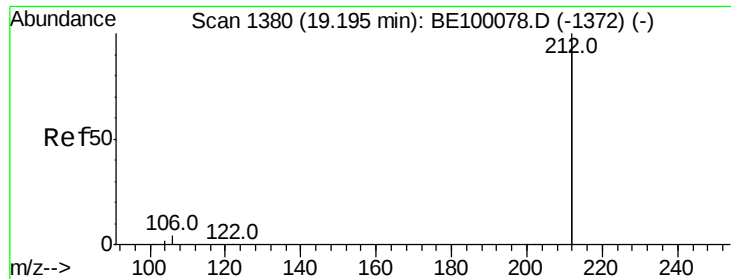
Ion Ratio Lower Upper

178 100

176 28.7 15.8 23.6#

179 21.8 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.20 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

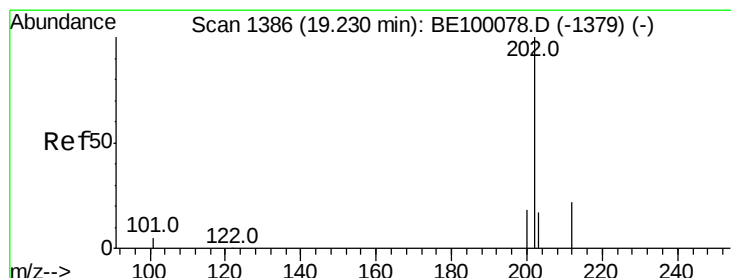
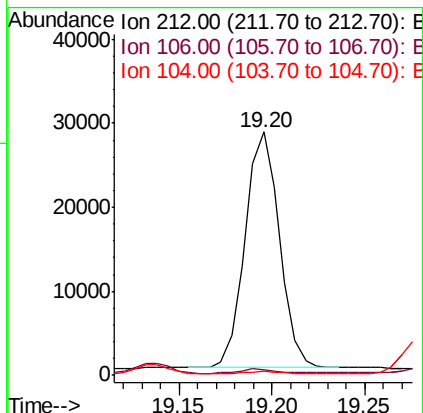
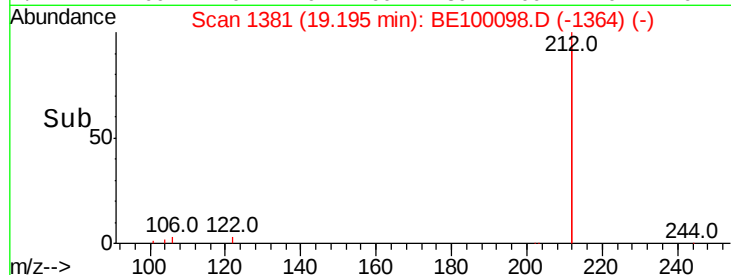
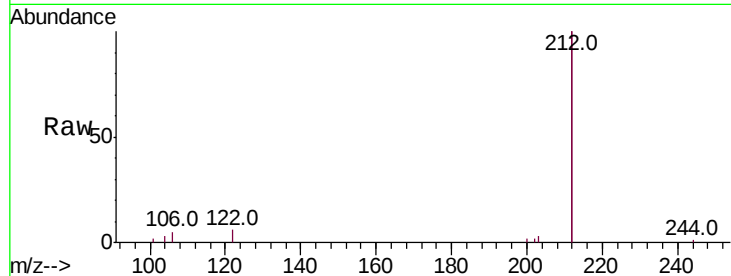
Tot Ion:212 Resp: 36125

Ion Ratio Lower Upper

212 100

106 2.2 1.4 2.0#

104 1.4 0.8 1.2#



#26

Fluoranthene

Concen: 0.232 ng

RT: 19.22 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

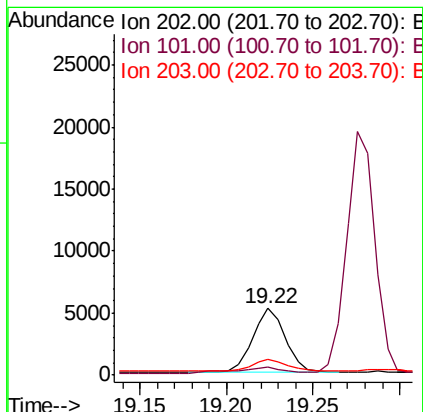
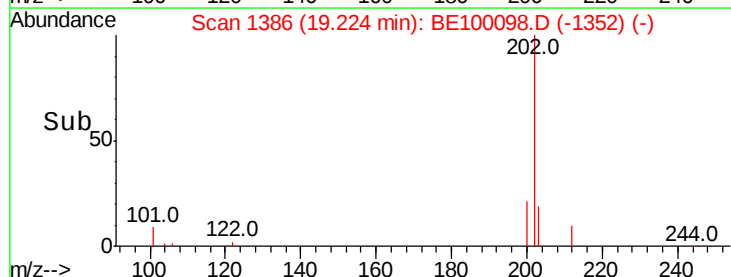
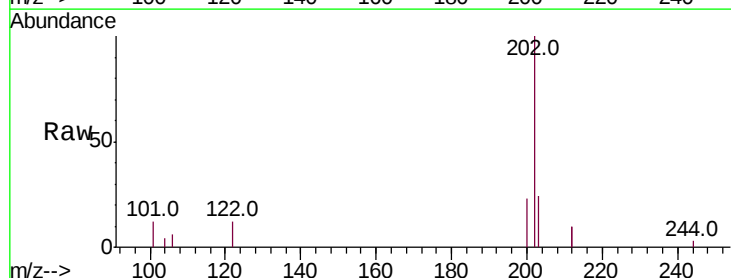
Tgt Ion:202 Resp: 6722

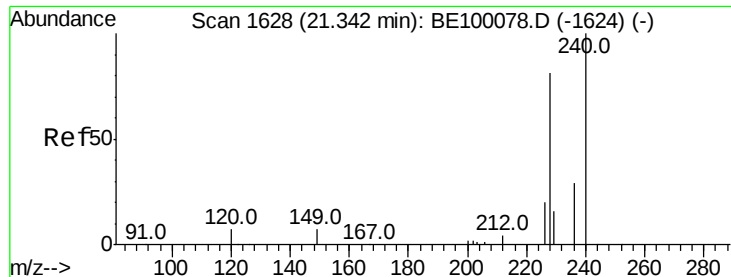
Ion Ratio Lower Upper

202 100

101 12.4 5.0 7.4#

203 18.4 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.34 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

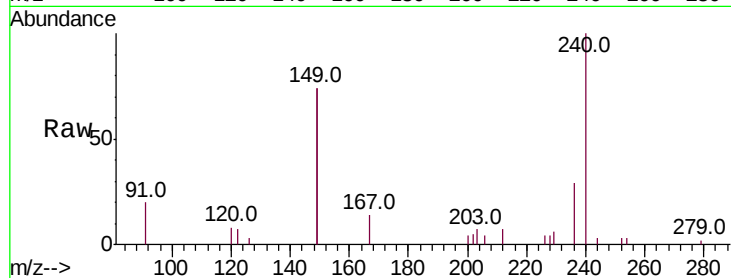
Tot Ion:240 Resp: 11220

Ion Ratio Lower Upper

240 100

120 8.2 6.6 10.0

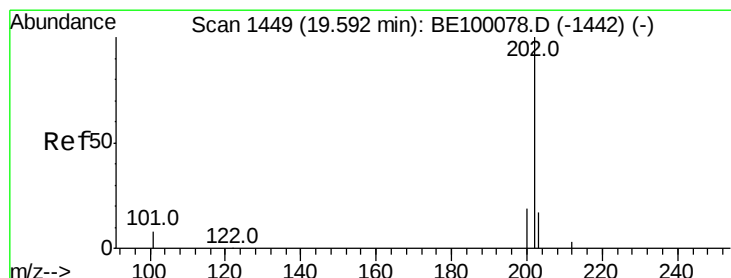
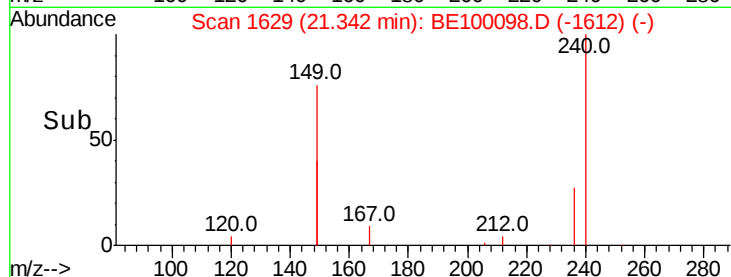
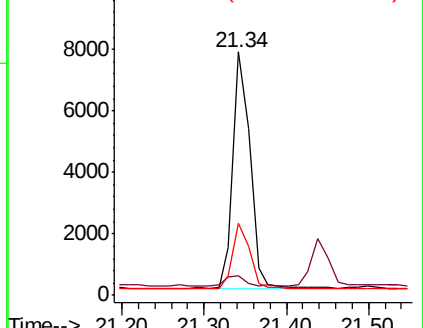
236 29.4 23.8 35.6



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



#28

Pyrene

Concen: 0.156 ng

RT: 19.59 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

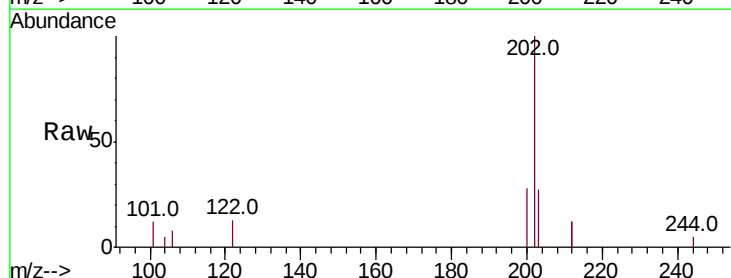
Tgt Ion:202 Resp: 4498

Ion Ratio Lower Upper

202 100

200 20.5 15.6 23.4

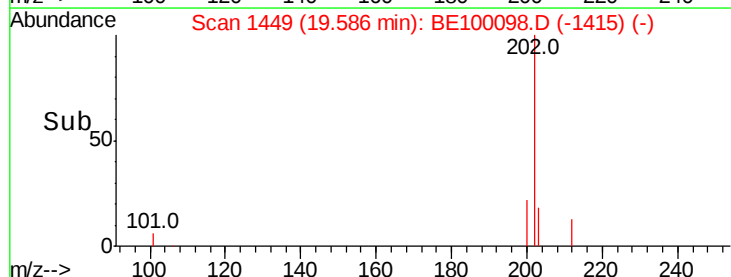
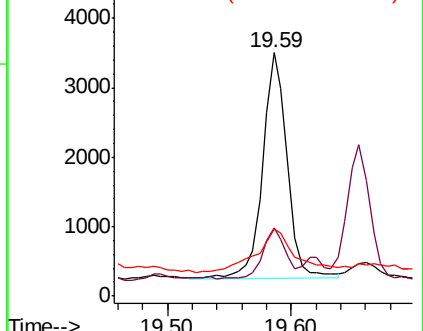
203 30.4 13.9 20.9#

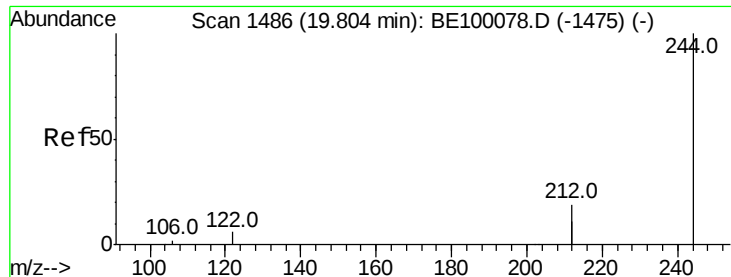


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.542 ng

RT: 19.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

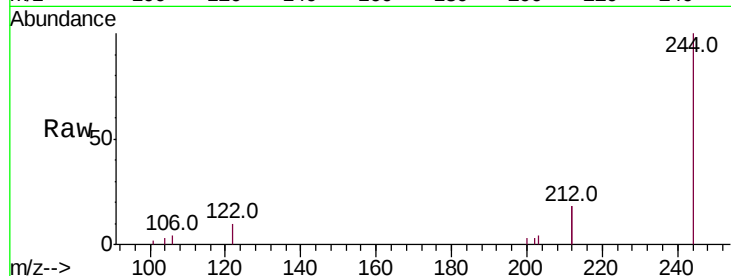
Tot Ion:244 Resp: 12155

Ion Ratio Lower Upper

244 100

212 35.8 29.8 44.8

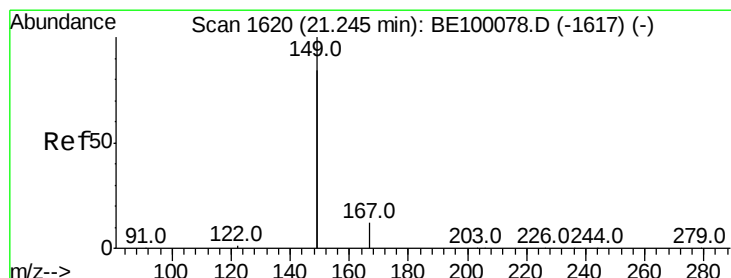
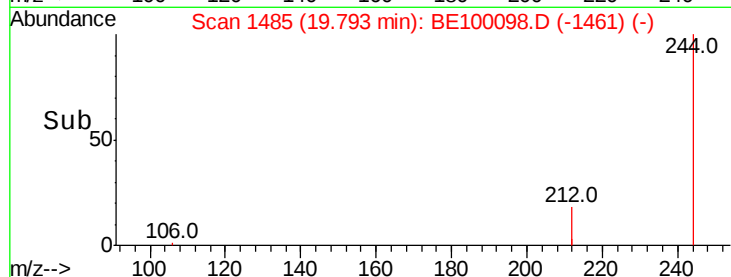
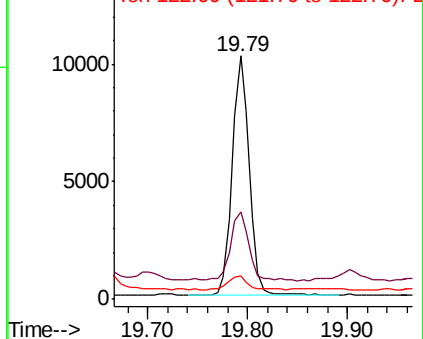
122 9.6 6.1 9.1#



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: 0.531 ng

RT: 21.24 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

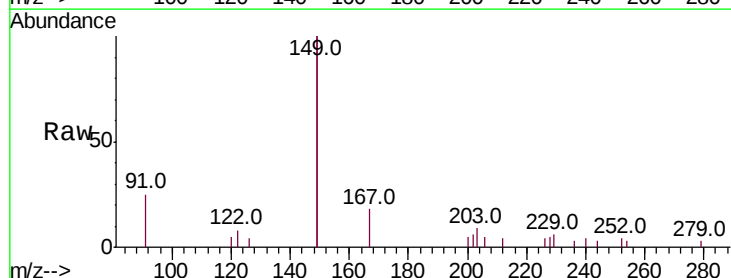
Tgt Ion:149 Resp: 16711

Ion Ratio Lower Upper

149 100

167 7.0 5.8 8.6

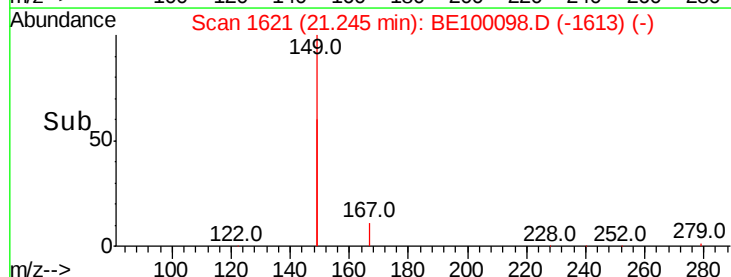
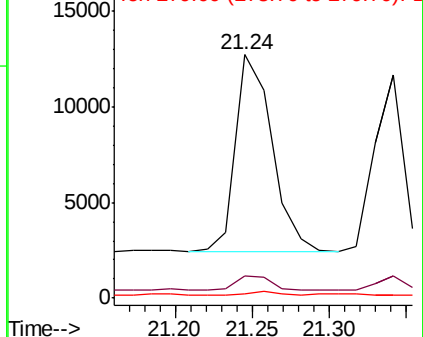
279 1.3 1.1 1.7

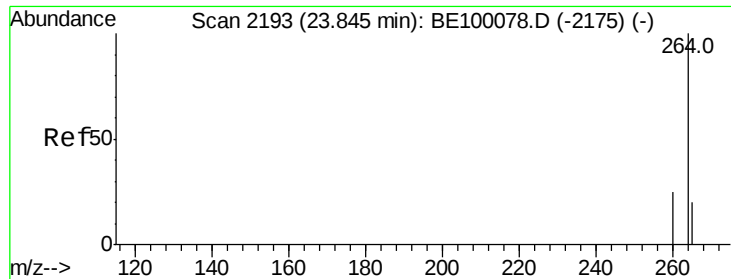


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.84 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BE100098.D
 Acq: 20 Jun 2019 00:39

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-190611

Tot Ion: 264 Resp: 12988
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.8 31.2
 265 31.6 23.2 34.8

