

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 03:52:35 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

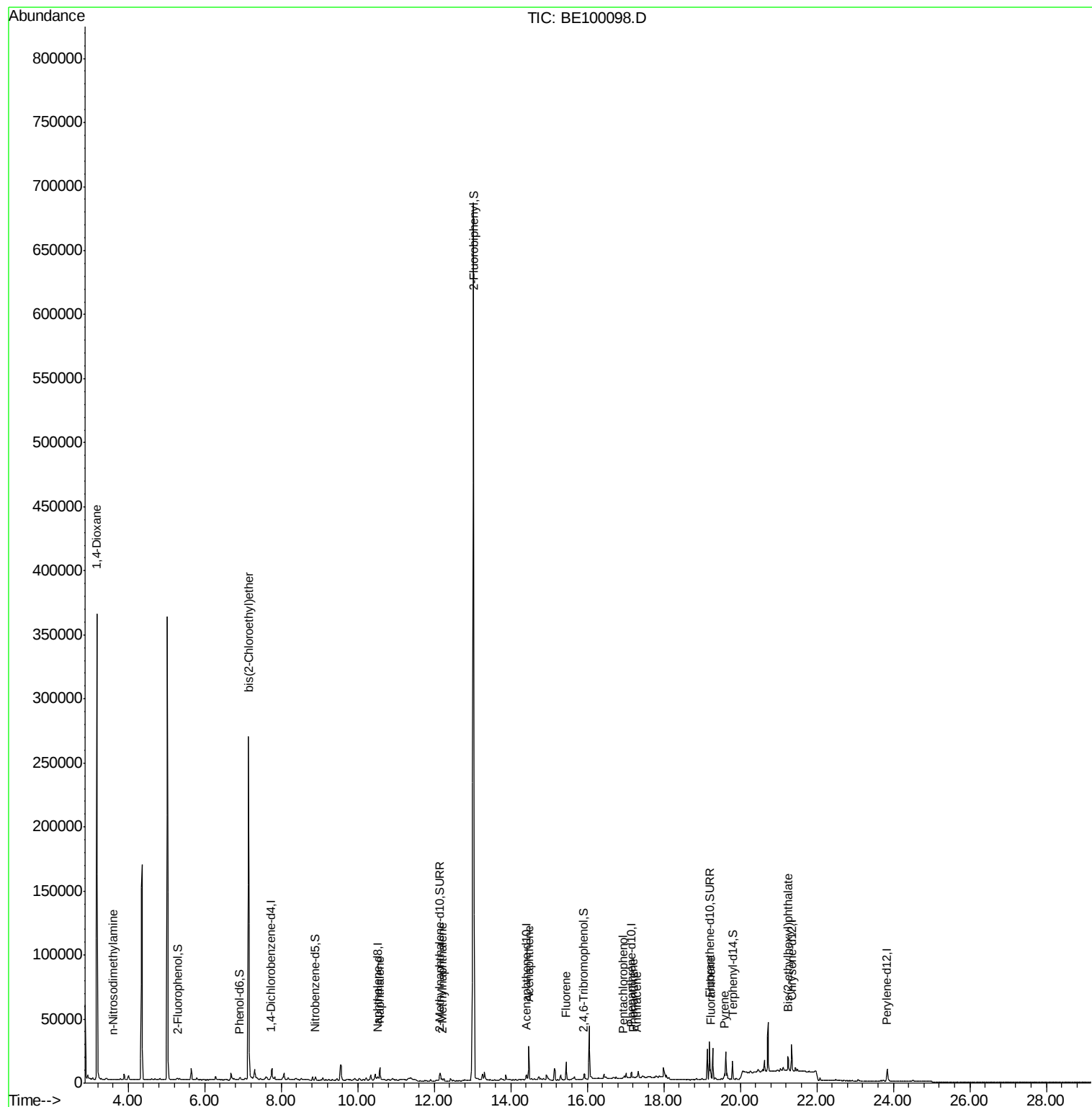
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	241490	169.302	ng	92
3) n-Nitrosodimethylamine	3.61	42	17	0.359	ng	# 100
6) bis(2-Chloroethyl)ether	7.15	93	102136	39.104	ng	92
9) Naphthalene	10.58	128	8904	0.265	ng	# 99
12) 2-Methylnaphthalene	12.21	142	1585	0.287	ng	96
17) Acenaphthene	14.47	154	12139	1.858	ng	95
18) Fluorene	15.45	166	9513	0.978	ng	98
22) Pentachlorophenol	16.93	266	39	0.267	ng	93
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

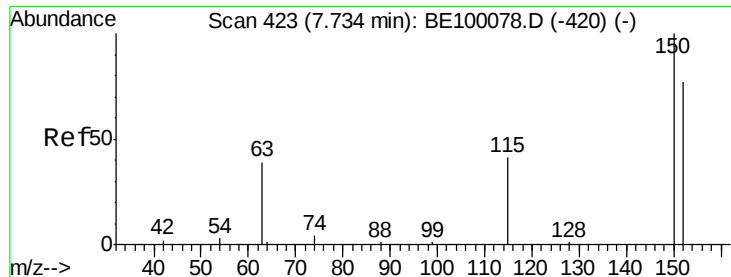
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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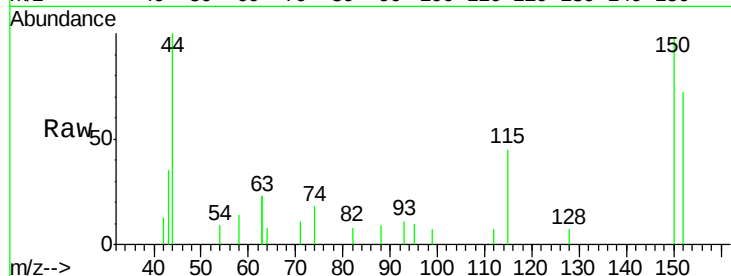


#1

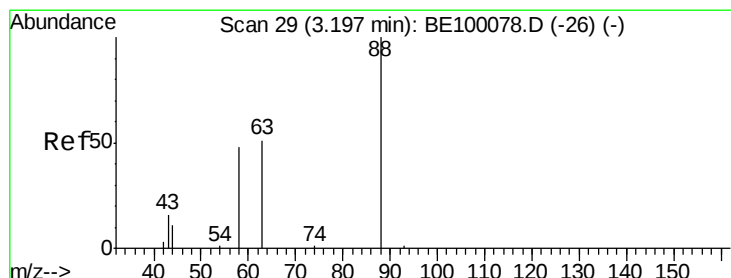
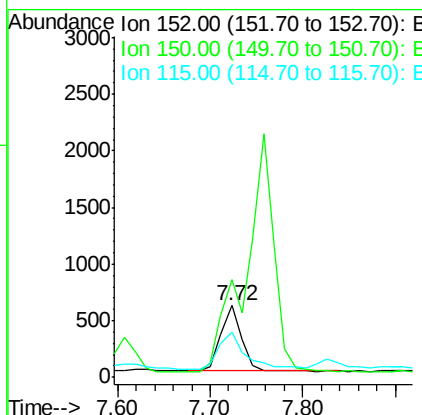
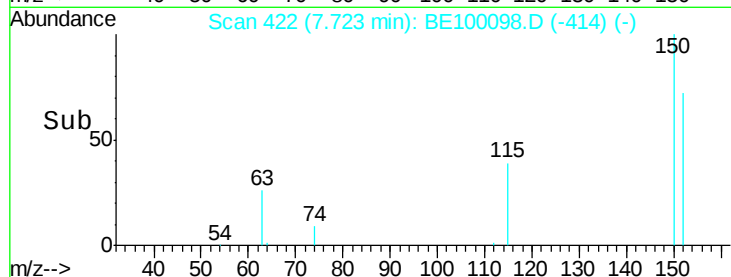
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100098.D
Acq: 20 Jun 2019 00:39

Instrument :
BNA_E
ClientSampleId :
SS043MW011-190611

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



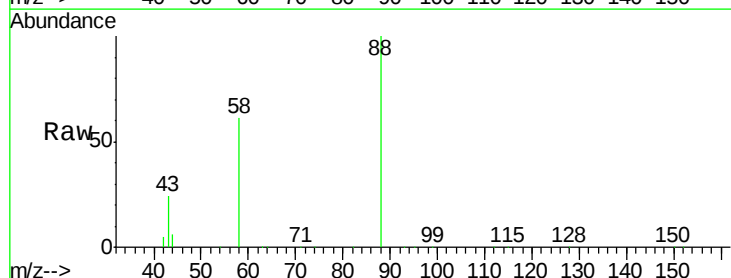
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



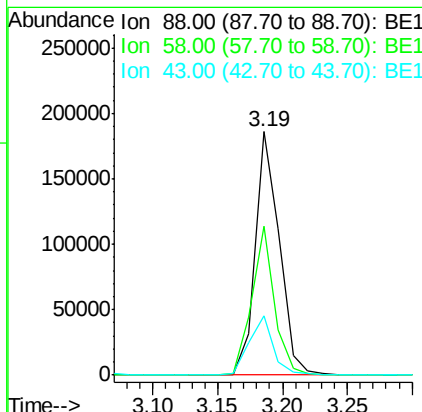
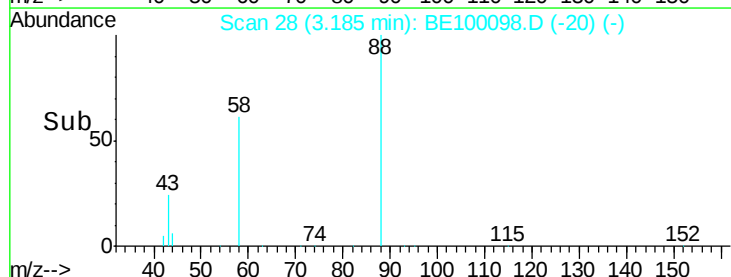
#2

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





#3

n-Nitrosodimethylamine

Concen: 0.359 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

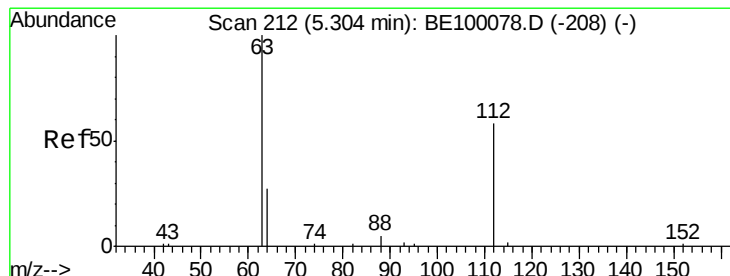
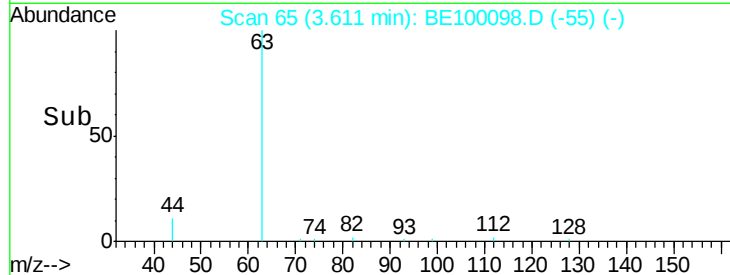
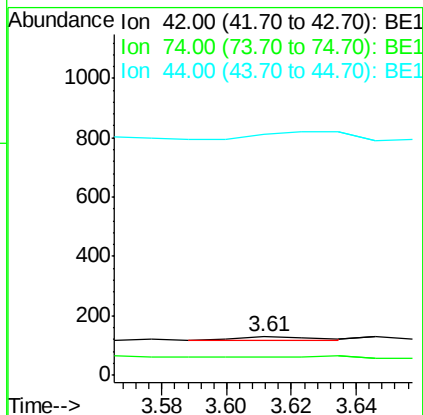
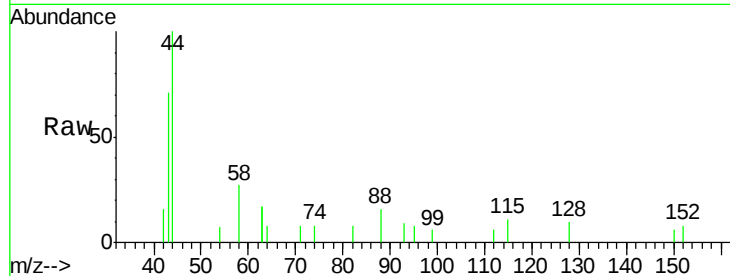
Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

Tgt Ion:	42	Resp:	17
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0



#4

2-Fluorophenol

Concen: 0.234 ng

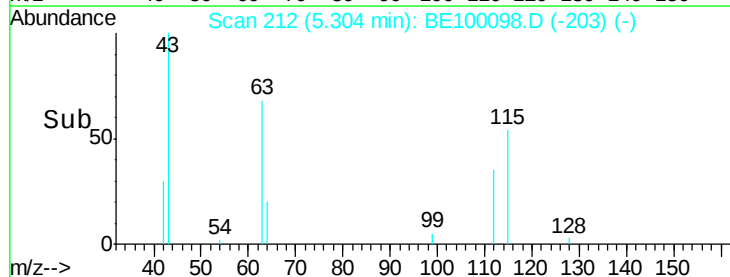
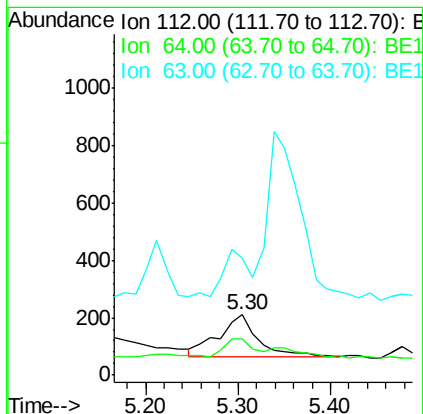
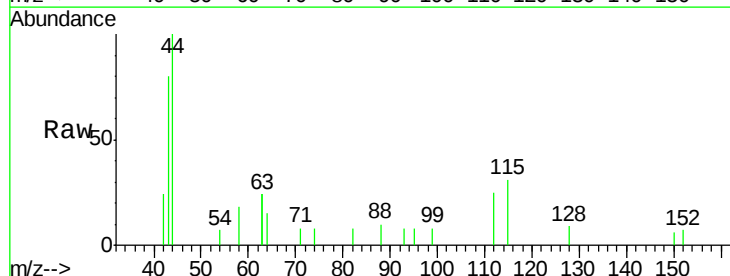
RT: 5.30 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

Tgt Ion:	112	Resp:	432
Ion	Ratio	Lower	Upper
112	100		
64	26.6	22.0	33.0
63	70.4	121.8	182.6





#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

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

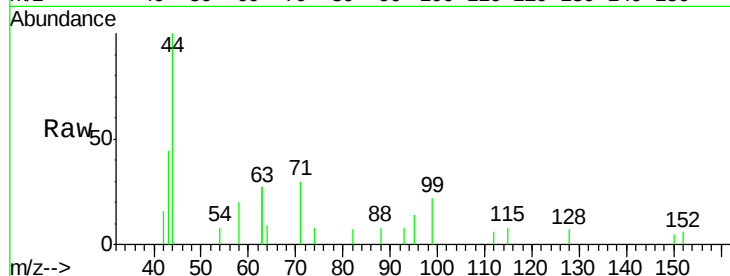
Tgt Ion: 99 Resp: 299

Ion Ratio Lower Upper

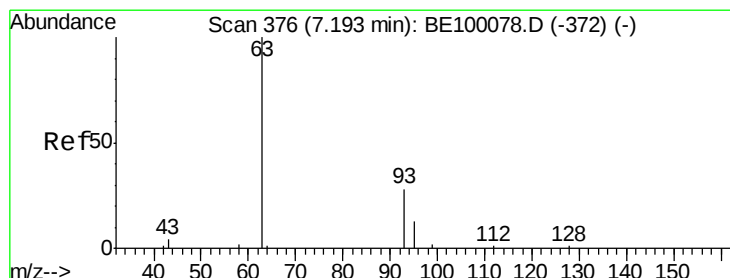
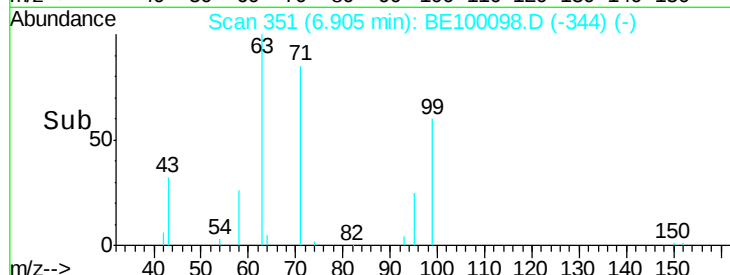
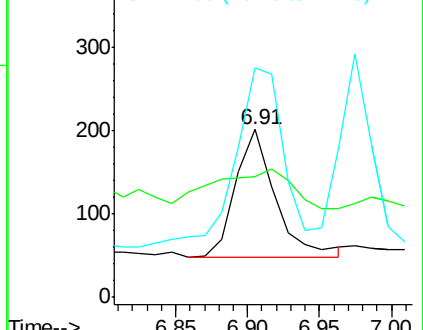
99 100

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

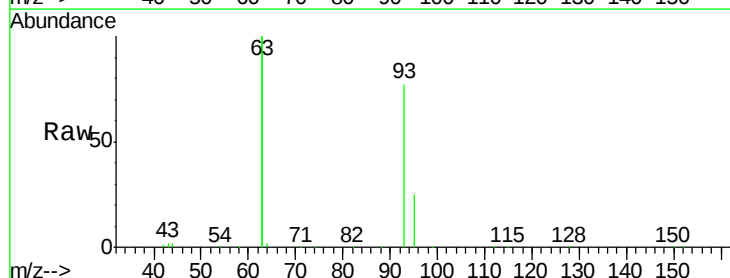
Tgt Ion: 93 Resp: 102136

Ion Ratio Lower Upper

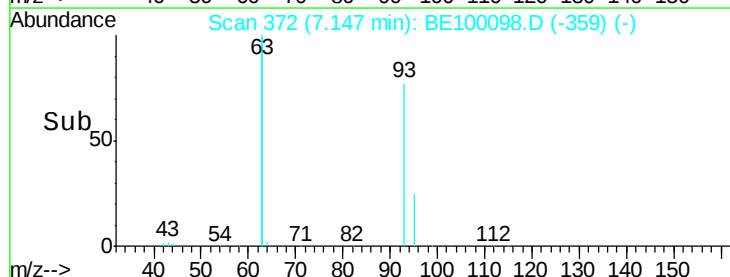
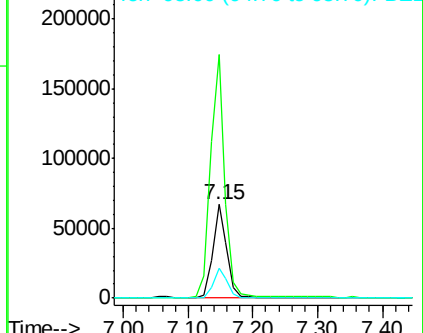
93 100

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

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Tgt Ion: 136 Resp: 3094

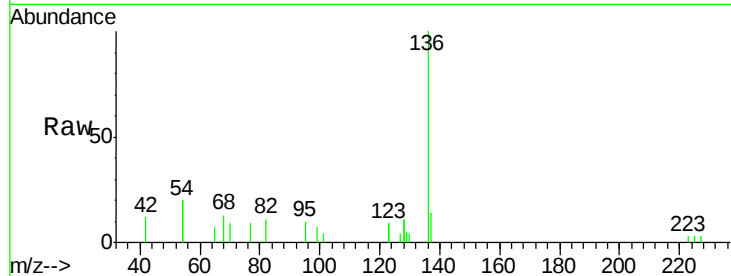
Ion Ratio Lower Upper

136 100

137 13.9 11.6 17.4

54 40.8 33.9 50.9

68 13.5 7.8 11.8#

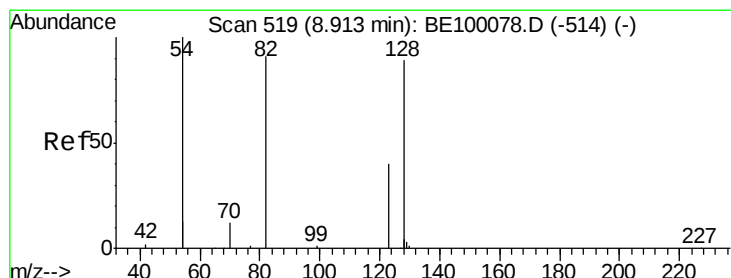
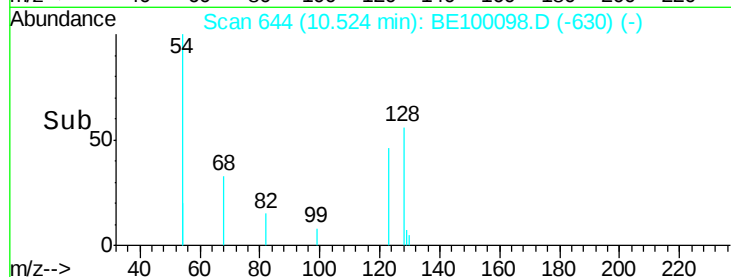
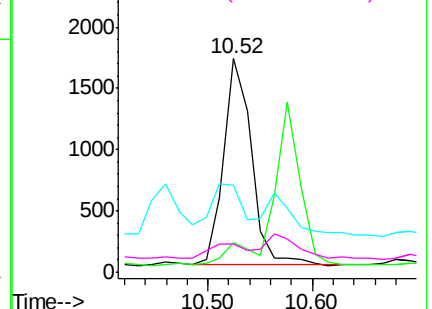


Abundance Ion 136.00 (135.70 to 136.70): E

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

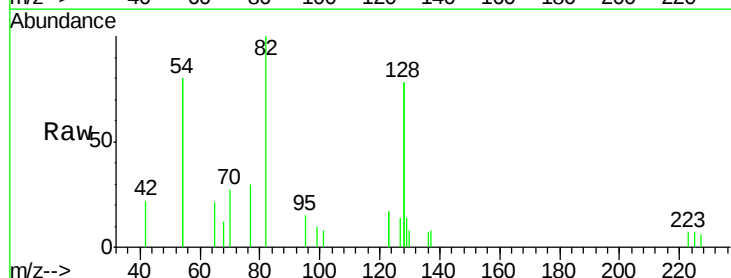
Tgt Ion: 82 Resp: 1324

Ion Ratio Lower Upper

82 100

128 156.7 128.0 192.0

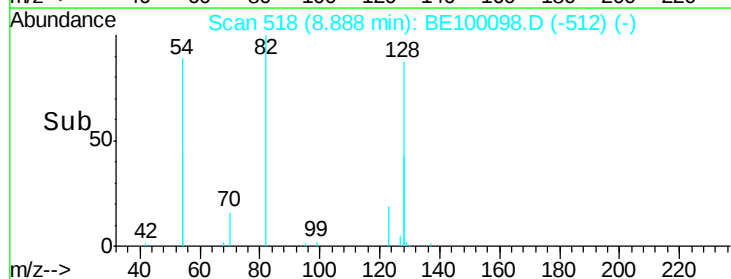
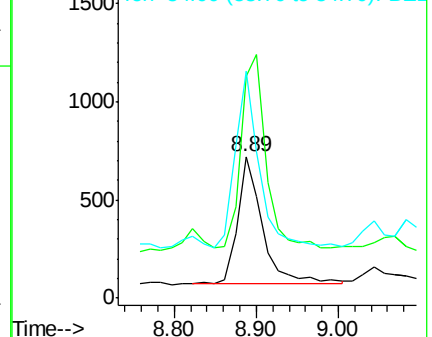
54 160.8 143.4 215.0

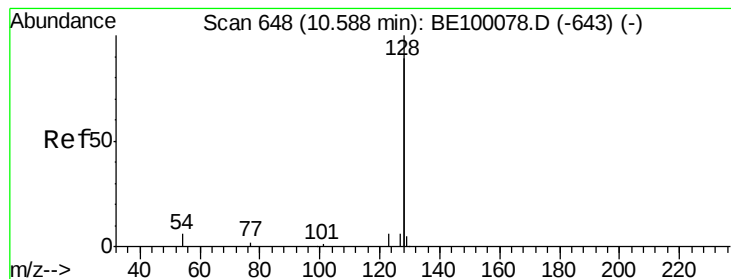


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

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

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

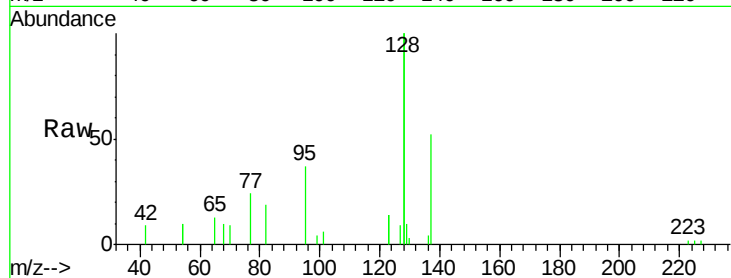
Tgt Ion:128 Resp: 8904

Ion Ratio Lower Upper

128 100

129 4.8 3.1 4.7#

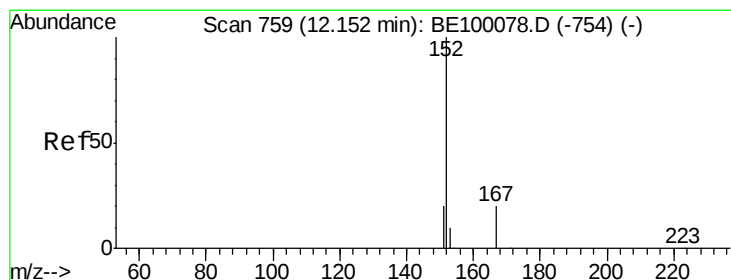
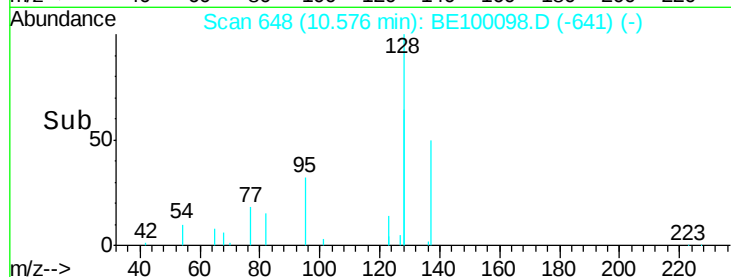
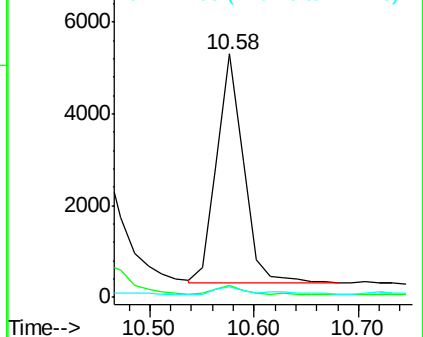
127 4.4 3.4 5.2



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

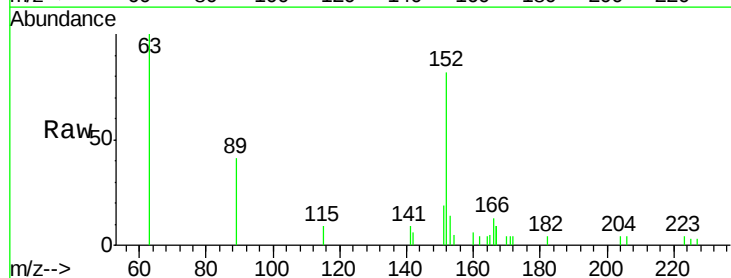
Acq: 20 Jun 2019 00:39

Tgt Ion:152 Resp: 1803

Ion Ratio Lower Upper

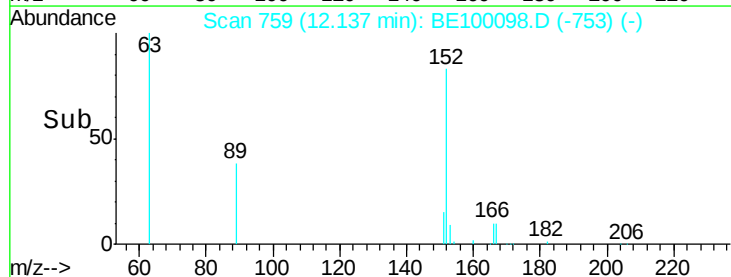
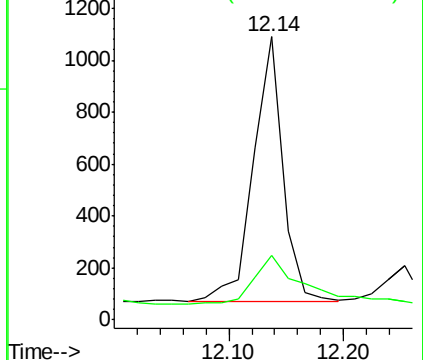
152 100

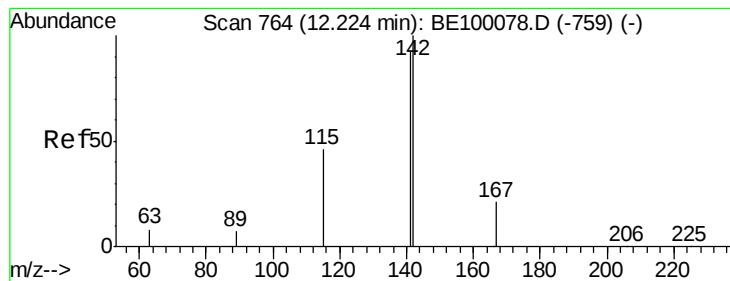
151 31.8 16.3 24.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

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

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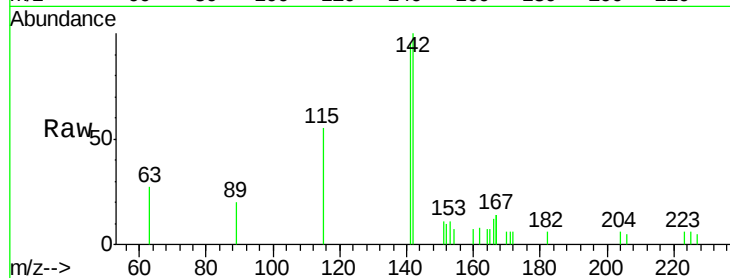
Tgt Ion:142 Resp: 1585

Ion Ratio Lower Upper

142 100

141 94.9 74.1 111.1

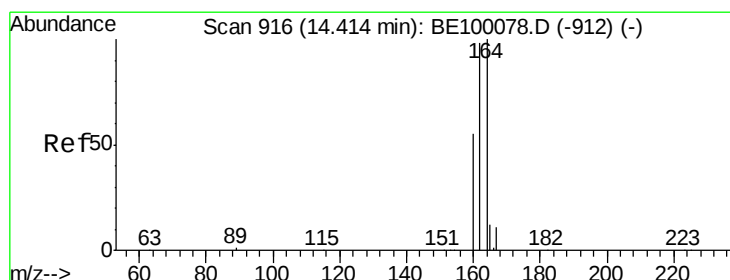
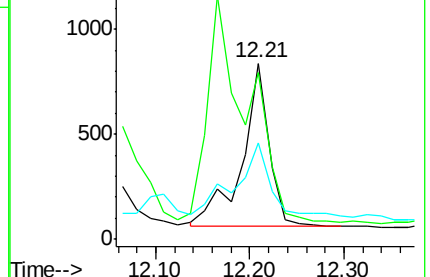
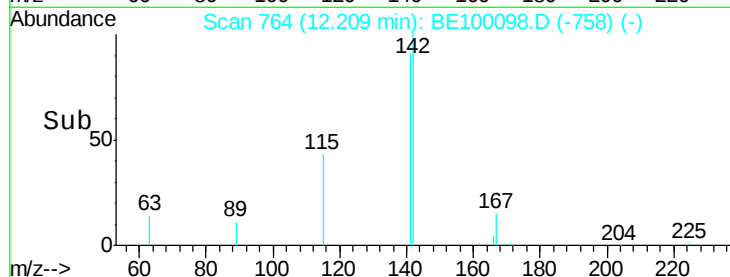
115 55.0 40.9 61.3



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



#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

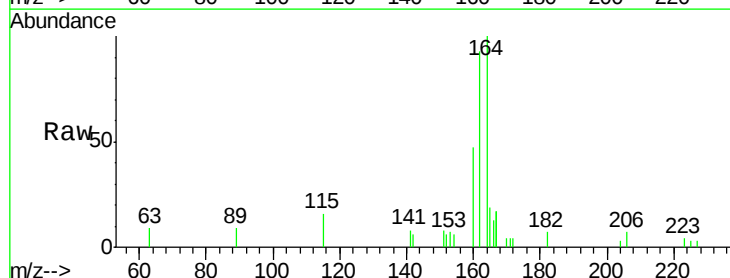
Tgt Ion:164 Resp: 2461

Ion Ratio Lower Upper

164 100

162 93.4 78.2 117.2

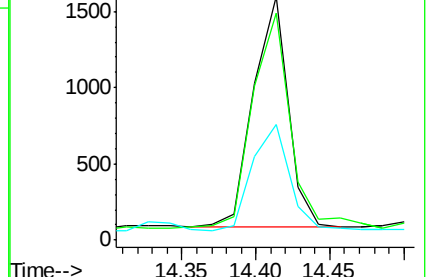
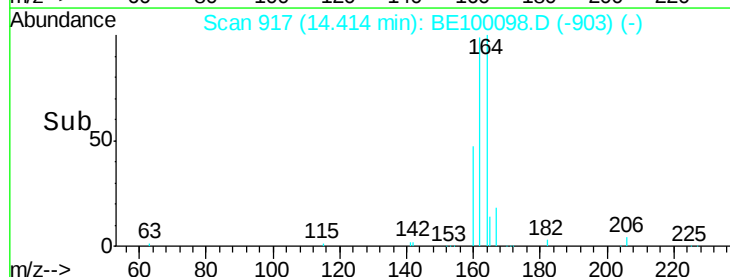
160 47.5 45.6 68.4

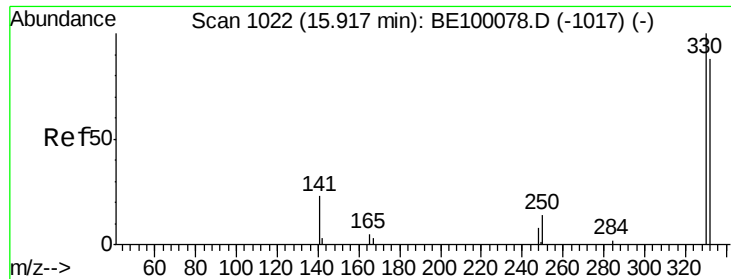


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

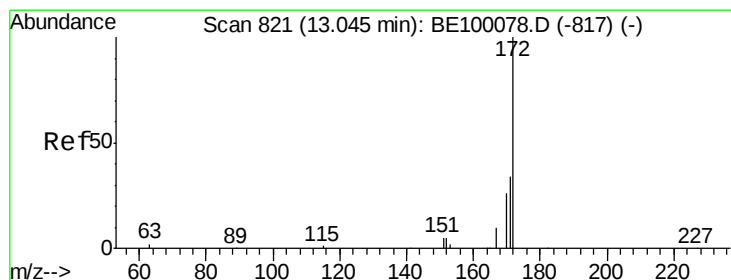
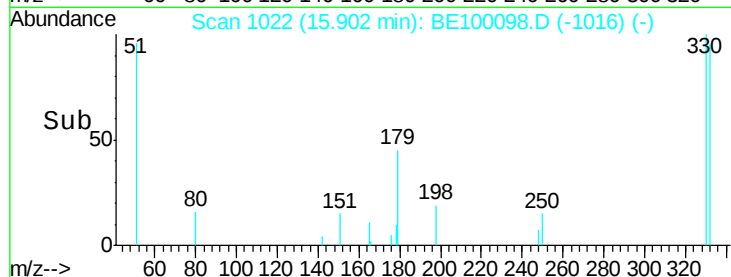
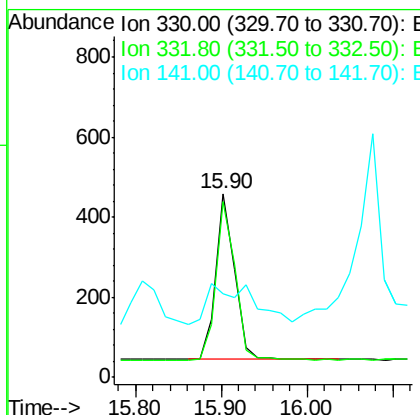
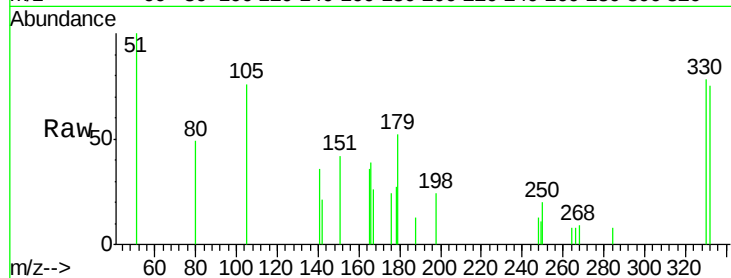




#14
 2,4,6-Tribromophenol
 Concen: 0.464 ng
 RT: 15.90 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BE100098.D
 Acq: 20 Jun 2019 00:39

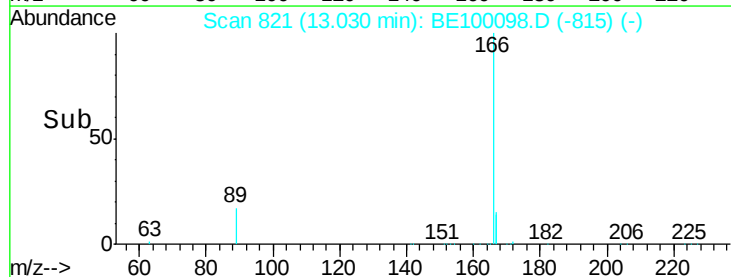
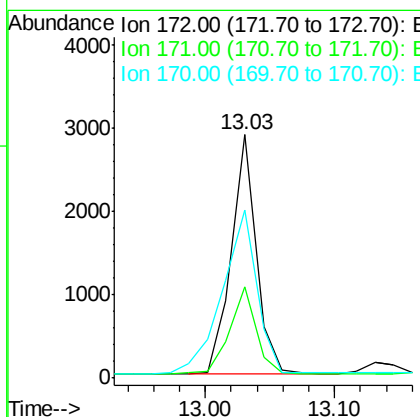
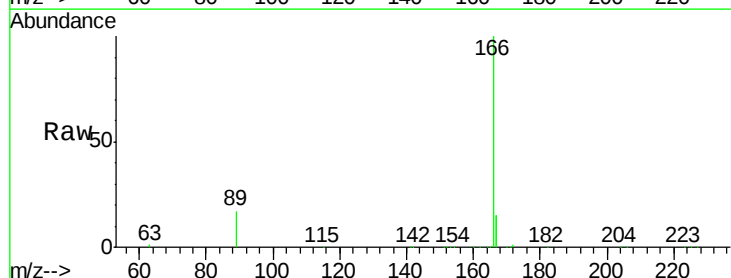
Instrument :
 BNA_E
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 SS043MW011-190611

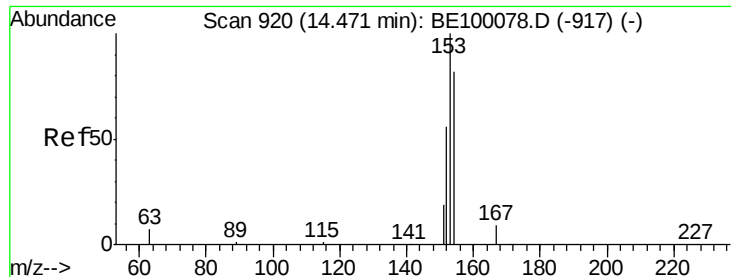
Tgt Ion: 330 Resp: 630
 Ion Ratio Lower Upper
 330 100
 332 96.7 73.3 109.9
 141 58.3 22.2 33.2#



#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

Tgt 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

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

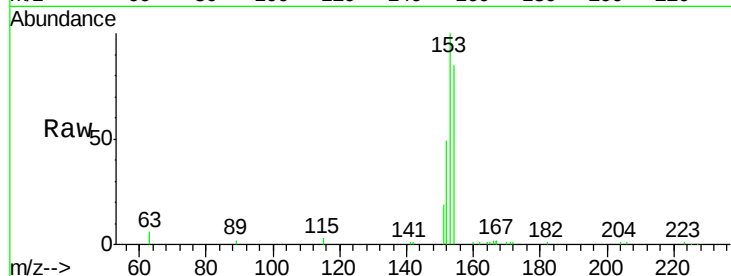
Tgt Ion:154 Resp: 12139

Ion Ratio Lower Upper

154 100

153 118.9 95.5 143.3

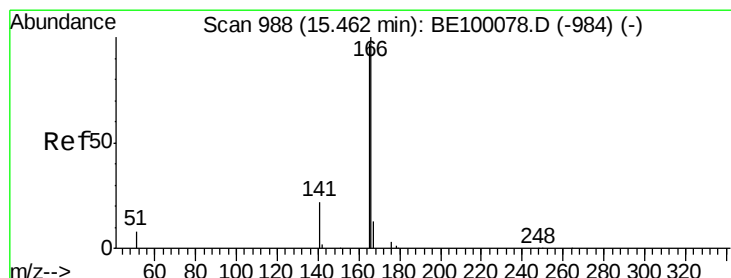
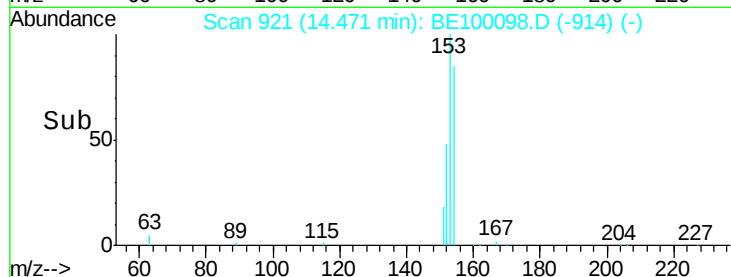
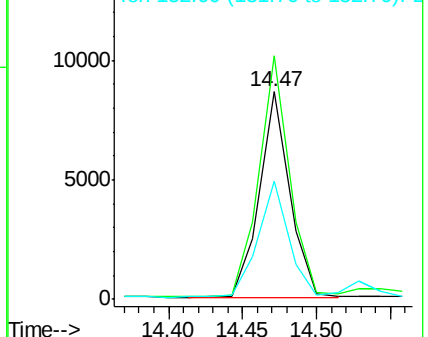
152 57.4 54.9 82.3



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



#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

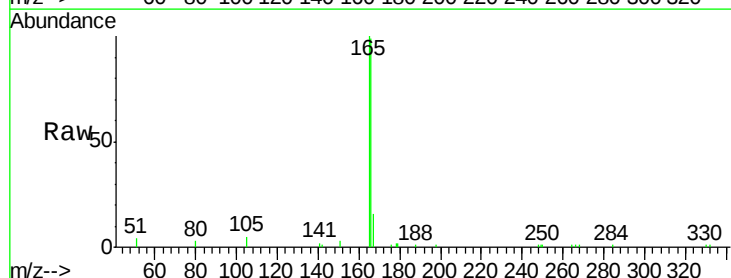
Tgt Ion:166 Resp: 9513

Ion Ratio Lower Upper

166 100

165 101.1 79.8 119.8

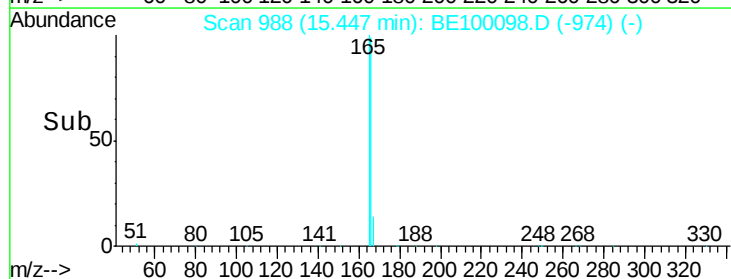
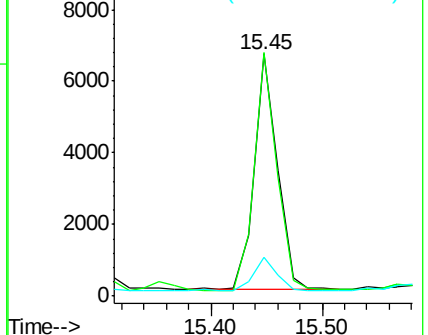
167 15.0 10.2 15.4

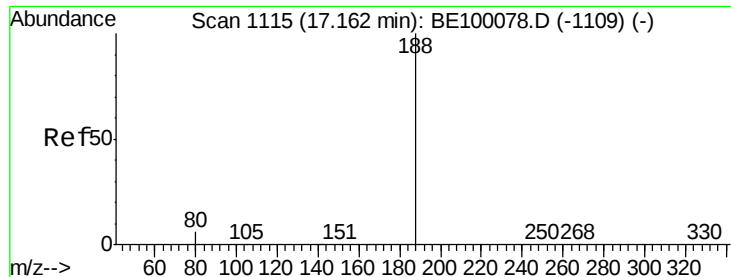


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#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

Instrument :

BNA_E

ClientSampleId :

SS043MW011-190611

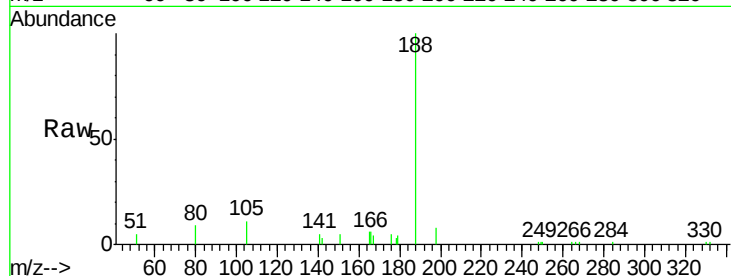
Tgt Ion:188 Resp: 7528

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

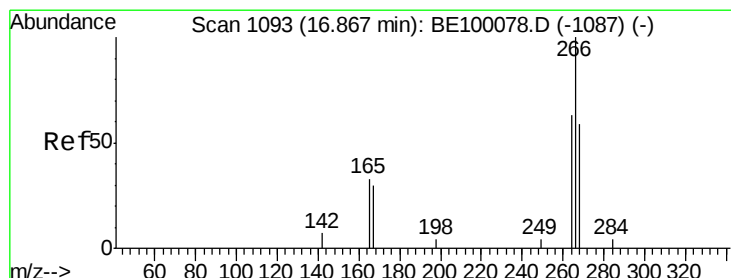
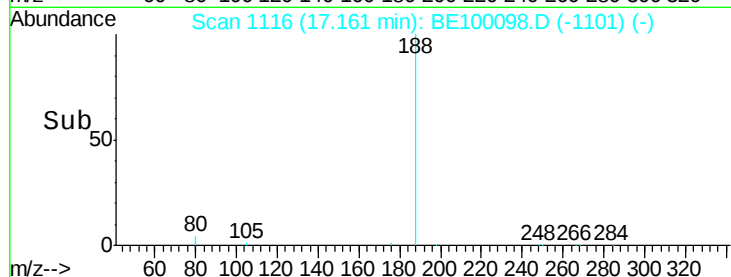
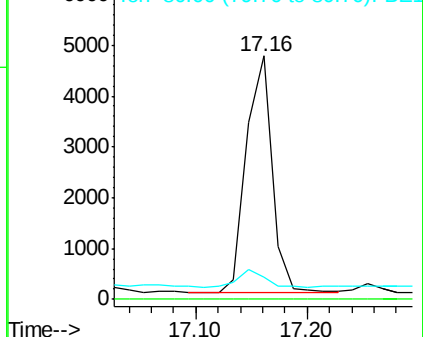
80 9.0 6.3 9.5



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: 0.267 ng

RT: 16.93 min Scan# 1099

Delta R.T. 0.07 min

Lab File: BE100098.D

Acq: 20 Jun 2019 00:39

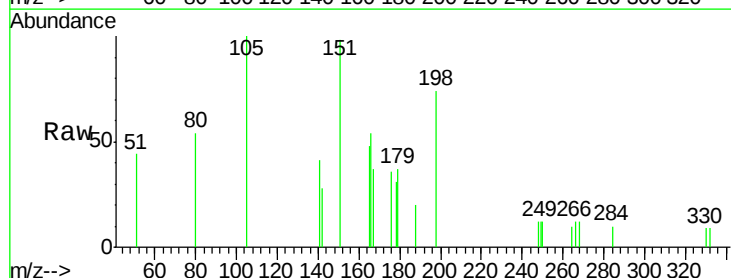
Tgt Ion:266 Resp: 39

Ion Ratio Lower Upper

266 100

264 81.0 67.8 101.6

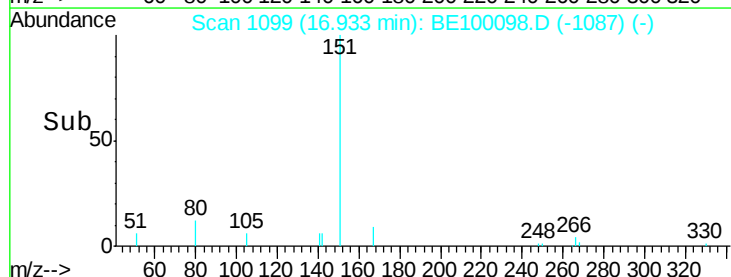
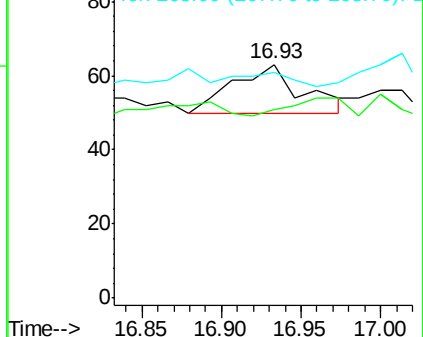
268 96.8 70.0 105.0

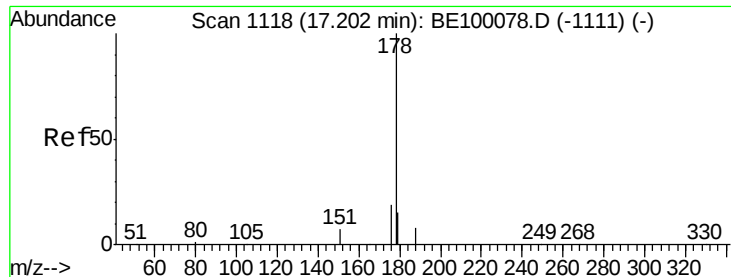


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#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

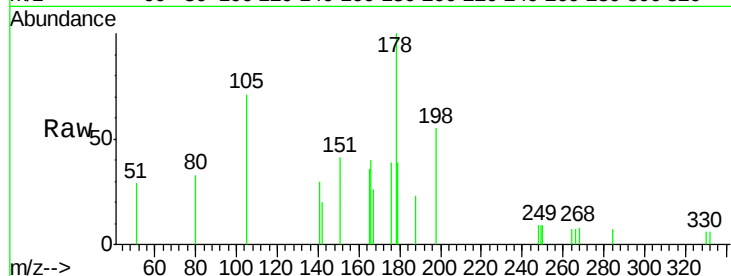
Tgt Ion:178 Resp: 916

Ion Ratio Lower Upper

178 100

176 70.5 15.9 23.9#

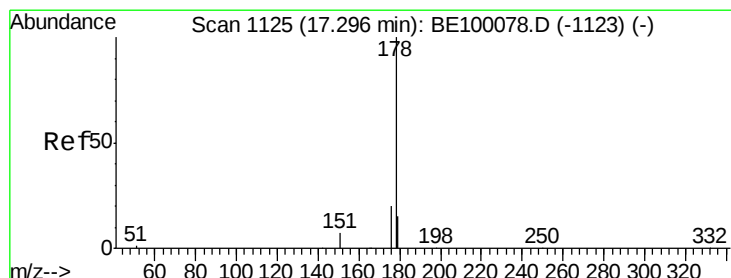
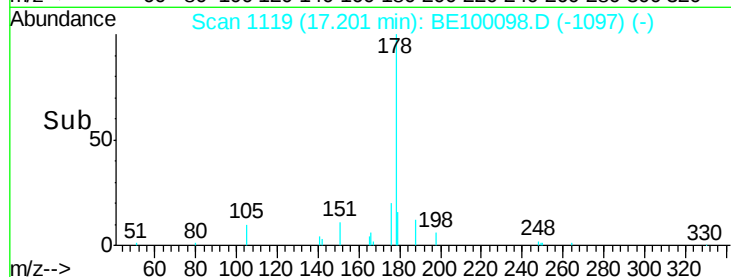
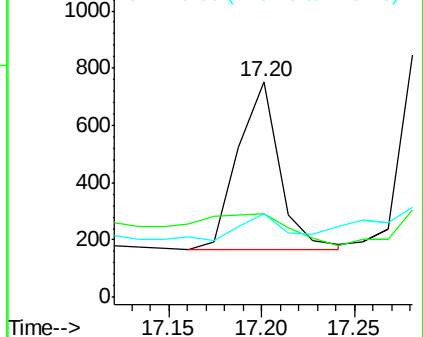
179 14.3 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#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

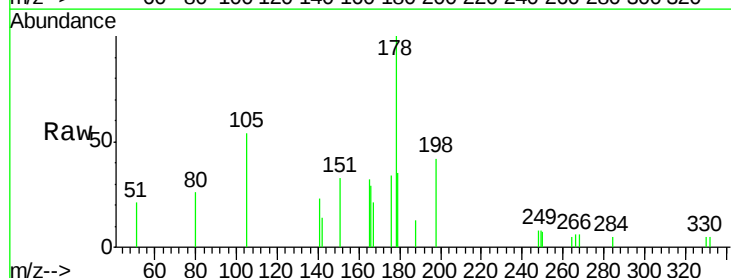
Tgt Ion:178 Resp: 1348

Ion Ratio Lower Upper

178 100

176 28.7 15.8 23.6#

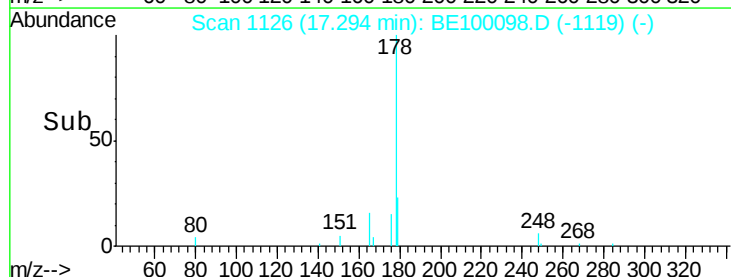
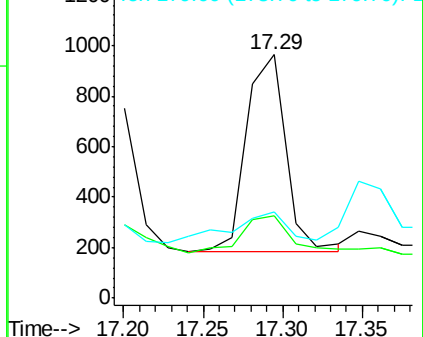
179 21.8 12.0 18.0#

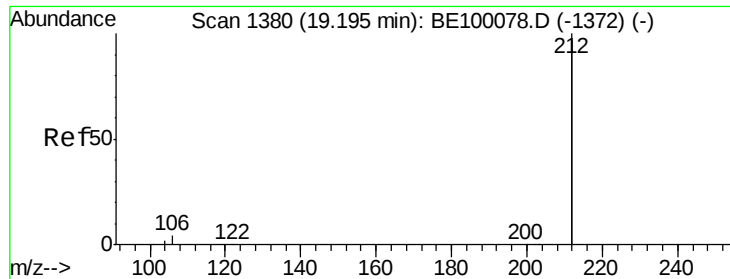


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#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

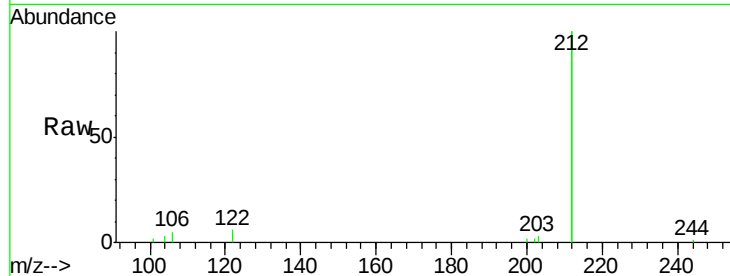
Tgt Ion:212 Resp: 36125

Ion Ratio Lower Upper

212 100

106 2.2 1.4 2.0#

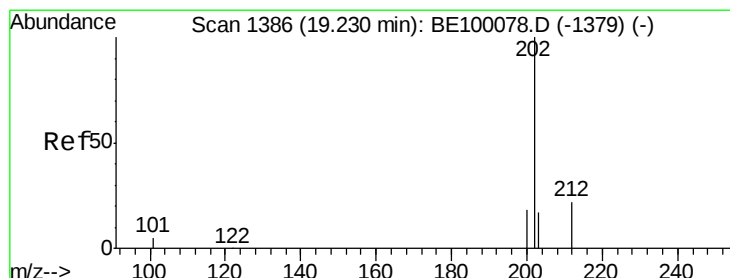
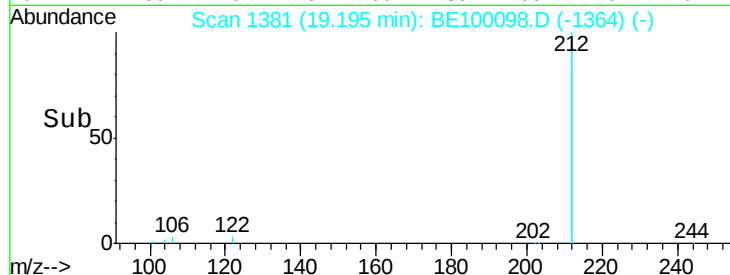
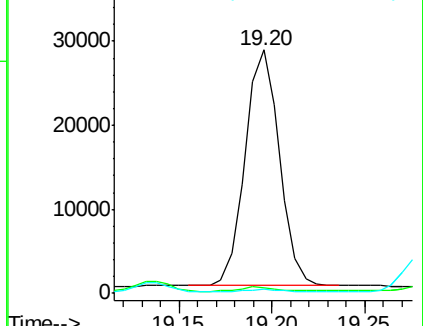
104 1.4 0.8 1.2#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#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

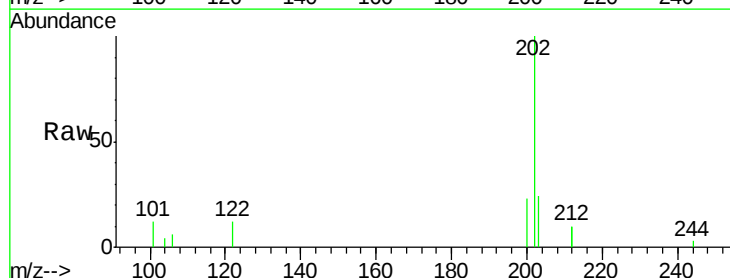
Tgt Ion:202 Resp: 6722

Ion Ratio Lower Upper

202 100

101 12.4 5.0 7.4#

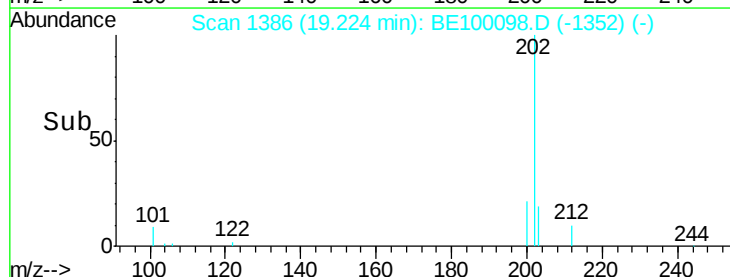
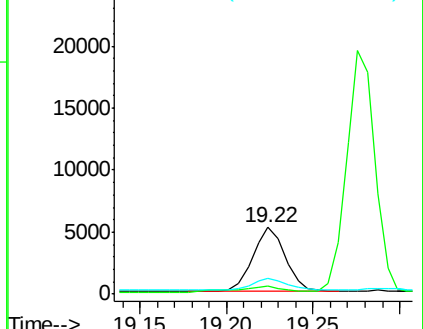
203 18.4 13.7 20.5

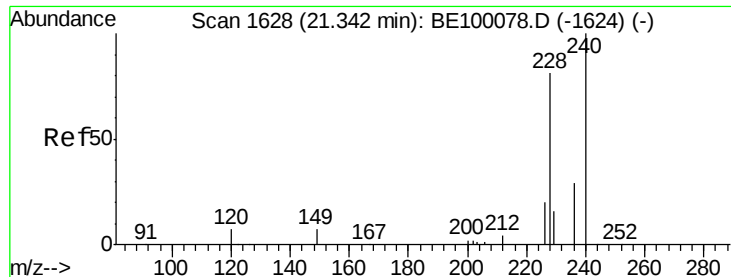


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#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

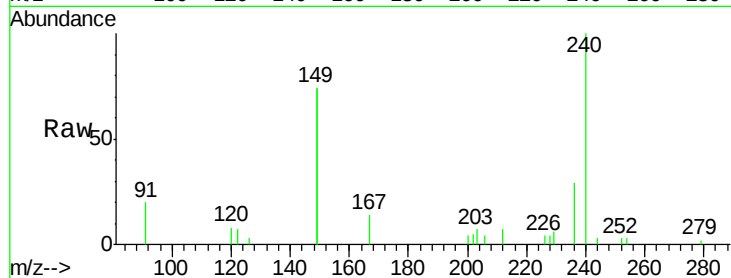
Tgt Ion:240 Resp: 11220

Ion Ratio Lower Upper

240 100

120 8.2 6.6 10.0

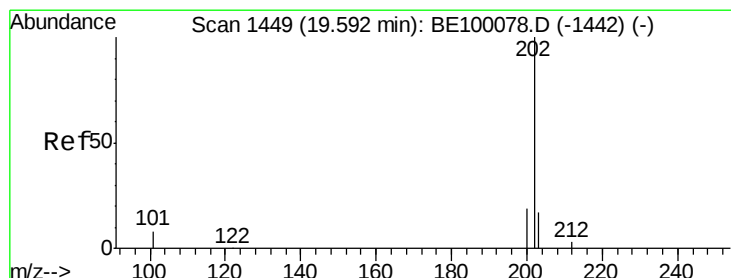
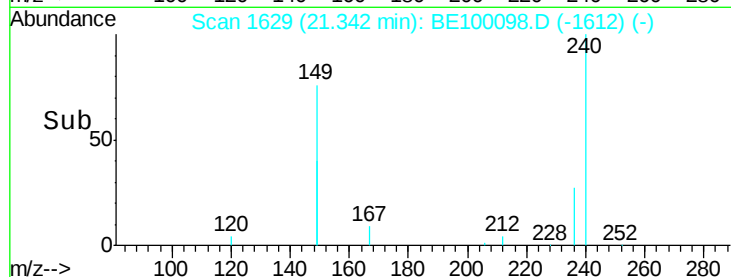
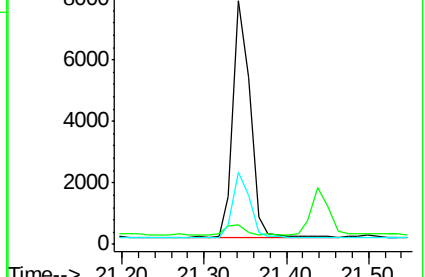
236 29.4 23.8 35.6



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

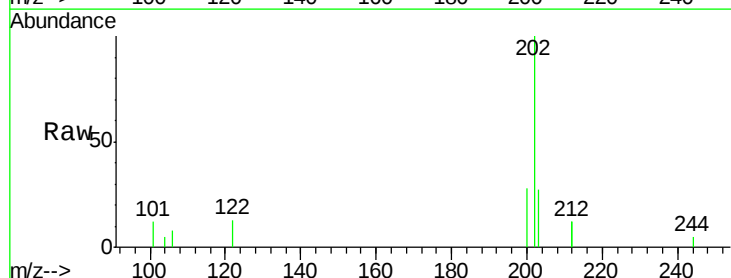
Tgt Ion:202 Resp: 4498

Ion Ratio Lower Upper

202 100

200 20.5 15.6 23.4

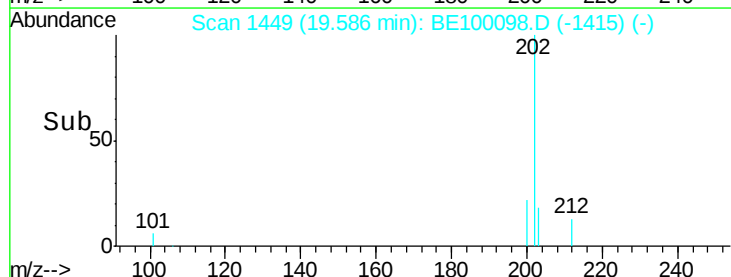
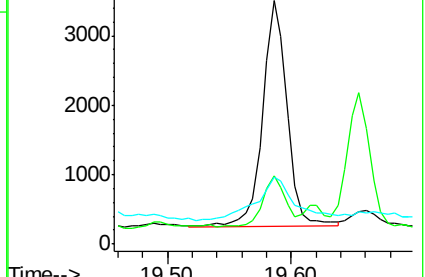
203 30.4 13.9 20.9#

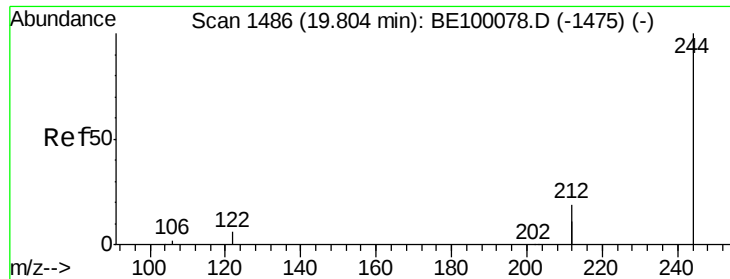


Abundance Ion 202.00 (201.70 to 202.70): E

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

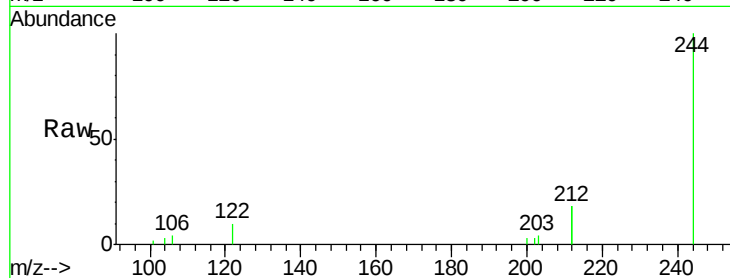
Tgt Ion:244 Resp: 12155

Ion Ratio Lower Upper

244 100

212 35.8 29.8 44.8

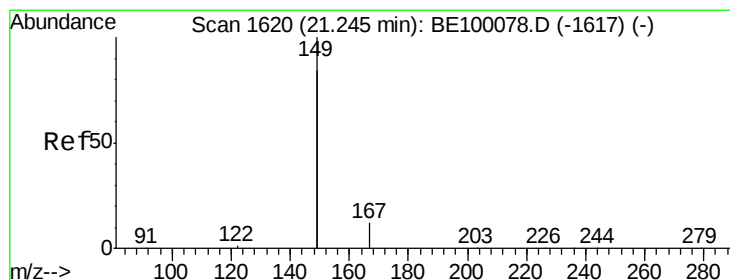
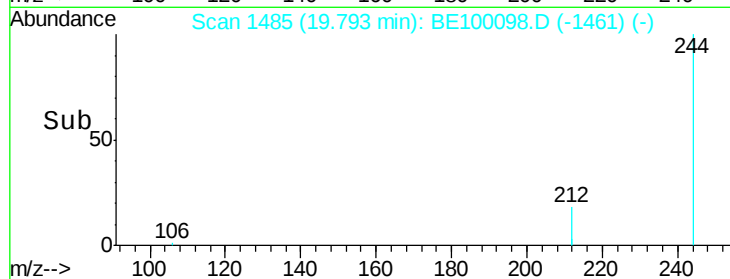
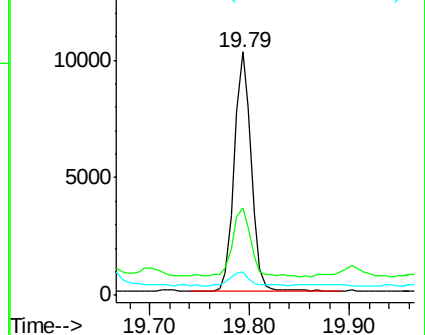
122 9.6 6.1 9.1#



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

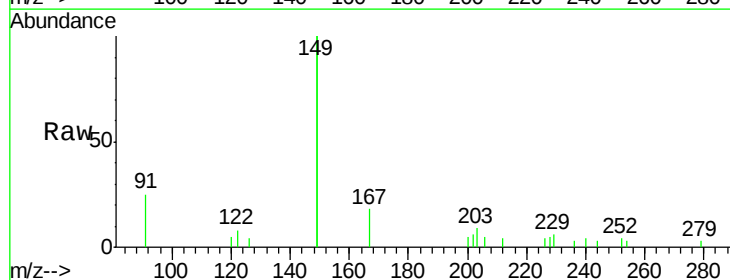
Tgt Ion:149 Resp: 16711

Ion Ratio Lower Upper

149 100

167 7.0 5.8 8.6

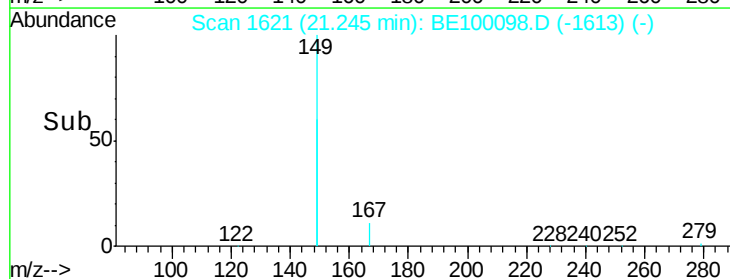
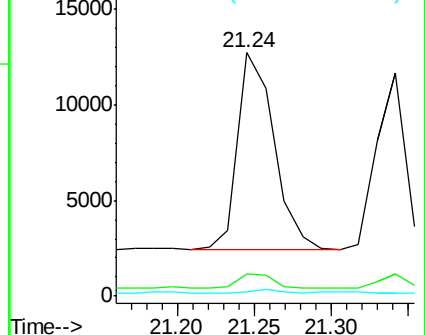
279 1.3 1.1 1.7

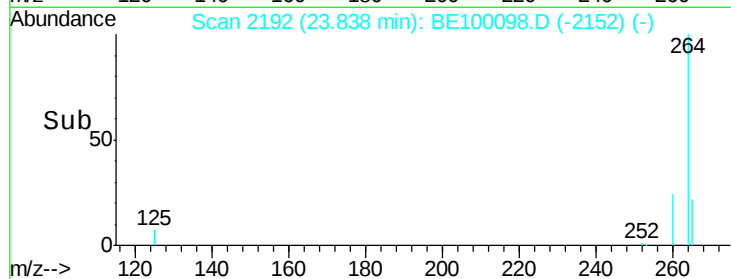
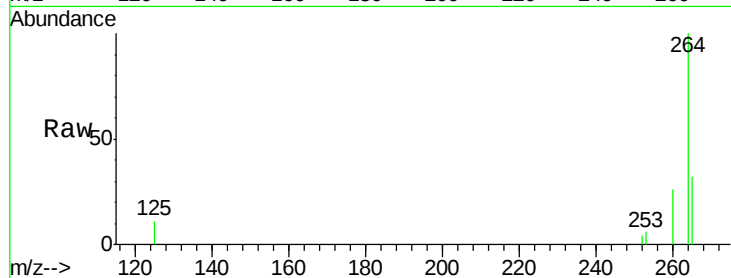
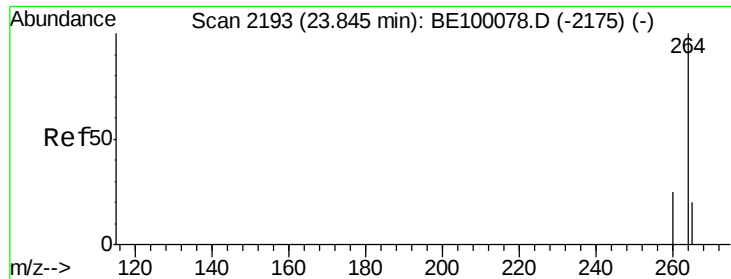


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-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

Tgt Ion: 264 Resp: 12988

Ion Ratio Lower Upper

264 100

260 25.6 20.8 31.2

265 31.6 23.2 34.8

