

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061919\
 Data File : BE100092.D
 Acq On : 19 Jun 2019 21:05
 Operator : JU/SJ
 Sample : K3309-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-190610

Quant Time: Jun 20 03:51:25 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	836	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	2988	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	2288	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	7276	0.40	ng	0.00
27) Chrysene-d12	21.34	240	10157	0.40	ng	0.00
34) Perylene-d12	23.84	264	11802	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	290	0.17	ng	-0.01
5) Phenol-d6	6.89	99	266	0.11	ng	-0.03
8) Nitrobenzene-d5	8.90	82	1223	0.42	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	1787	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	683	0.54	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	4033	0.45	ng	-0.01
25) Fluoranthene-d10	19.19	212	35571	0.34	ng	0.00
29) Terphenyl-d14	19.79	244	11287	0.56	ng	-0.01

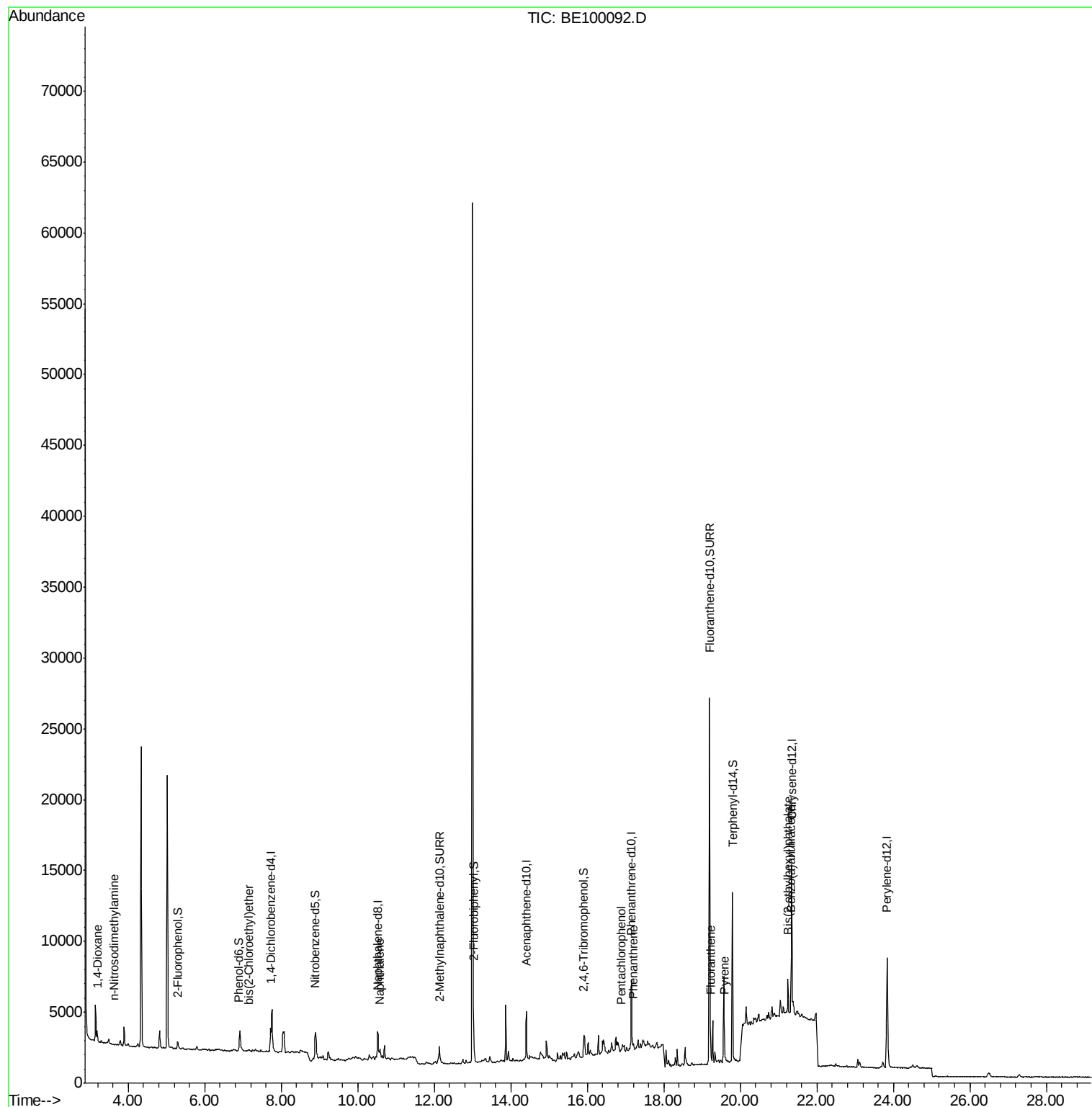
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	609	0.454	ng	# 91
3) n-Nitrosodimethylamine	3.62	42	13	0.356	ng	# 100
6) bis(2-Chloroethyl)ether	7.16	93	59	0.058	ng	# 60
9) Naphthalene	10.57	128	792	0.024	ng	# 75
22) Pentachlorophenol	16.88	266	14	0.251	ng	# 95
23) Phenanthrene	17.20	178	507	0.029	ng	# 42
26) Fluoranthene	19.22	202	817	0.029	ng	# 86
28) Pyrene	19.59	202	747	0.029	ng	# 50
30) Benzo(a)anthracene	21.33	228	688	0.023	ng	# 55
32) Bis(2-ethylhexyl)phthalate	21.25	149	2608	0.091	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: 7.72 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100092.D

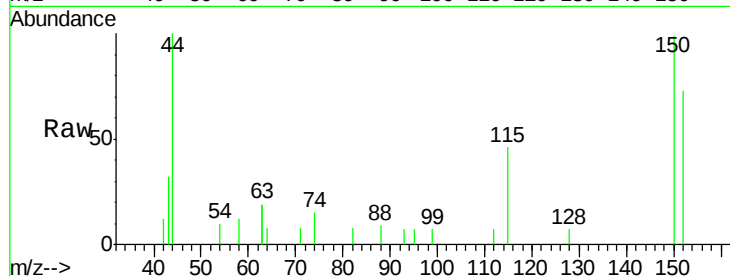
Acq: 19 Jun 2019 21:05

Instrument :

BNA_E

ClientSampleId :

LF001MW002-190610



Tgt Ion:152 Resp: 836

Ion Ratio Lower Upper

152 100

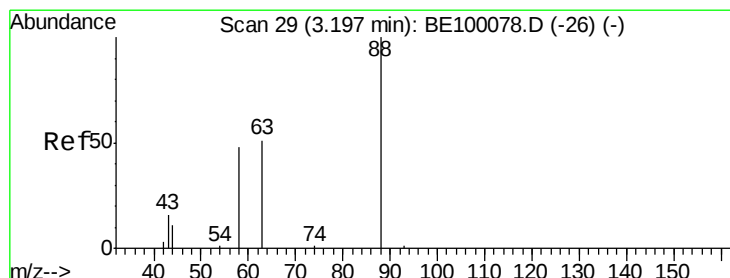
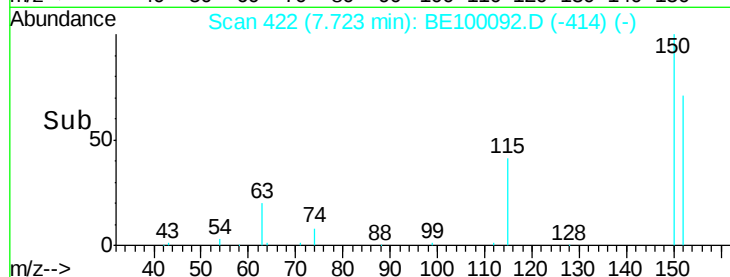
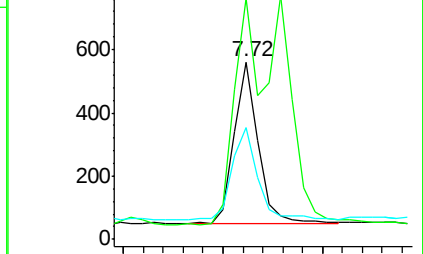
150 135.9 99.8 149.8

115 63.2 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: 0.454 ng

RT: 3.20 min Scan# 29

Delta R.T. 0.00 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

Tgt Ion: 88 Resp: 609

Ion Ratio Lower Upper

88 100

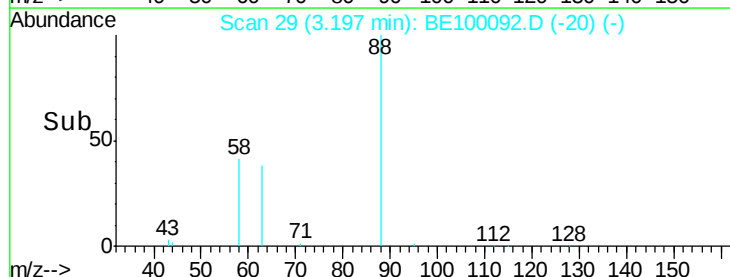
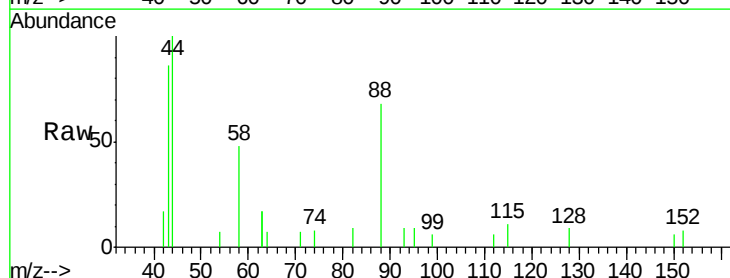
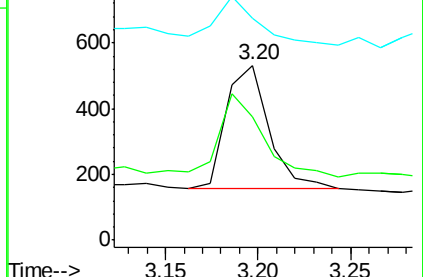
58 66.7 51.1 76.7

43 38.9 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: 0.356 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.02 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

Instrument :

BNA_E

ClientSampleId :

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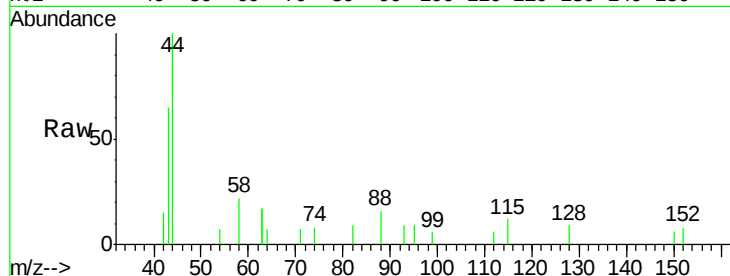
Tgt Ion: 42 Resp: 13

Ion Ratio Lower Upper

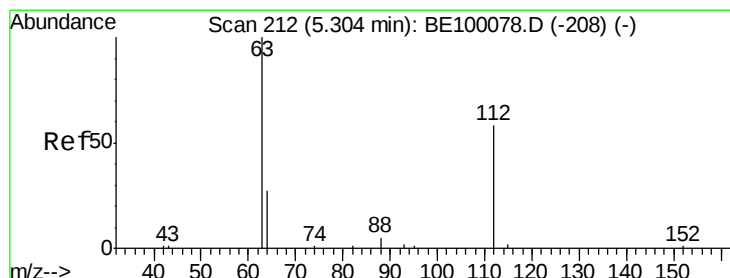
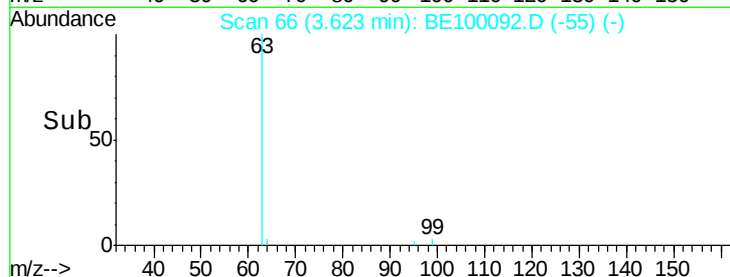
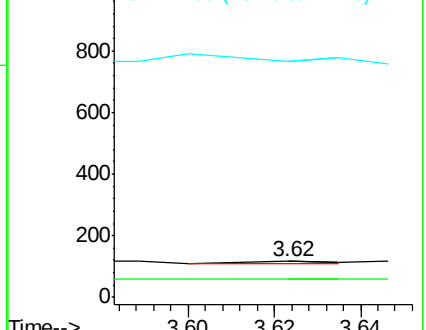
42 100

74 0.0 0.0 0.0

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: 0.167 ng

RT: 5.29 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

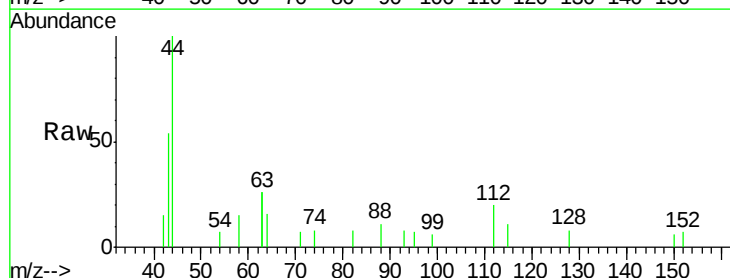
Tgt Ion: 112 Resp: 290

Ion Ratio Lower Upper

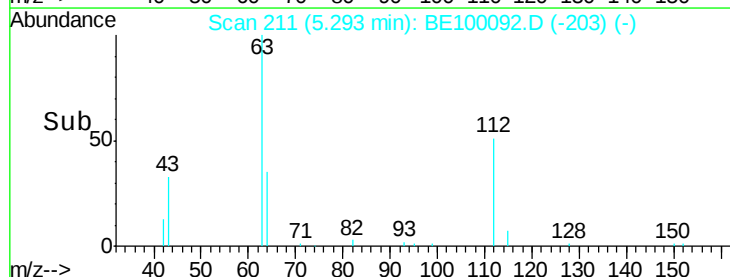
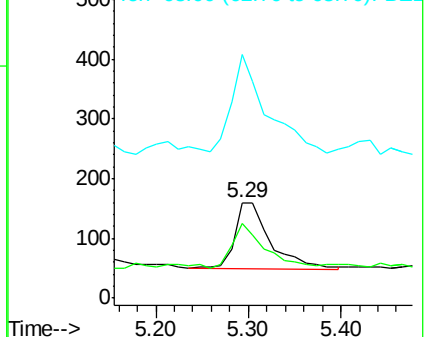
112 100

64 64.8 22.0 33.0#

63 149.3 121.8 182.6



Abundance Ion 112.00 (111.70 to 112.70): BE1
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.112 ng

RT: 6.89 min Scan# 350

Delta R.T. -0.03 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

Instrument :

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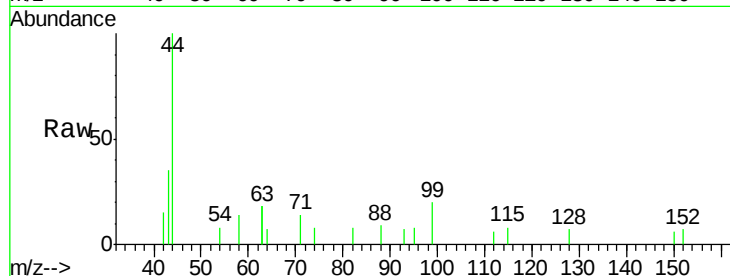
Tgt Ion: 99 Resp: 266

Ion Ratio Lower Upper

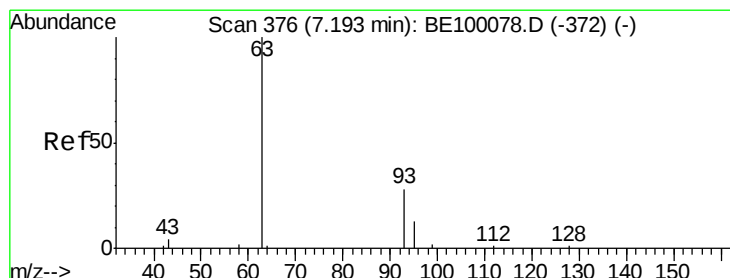
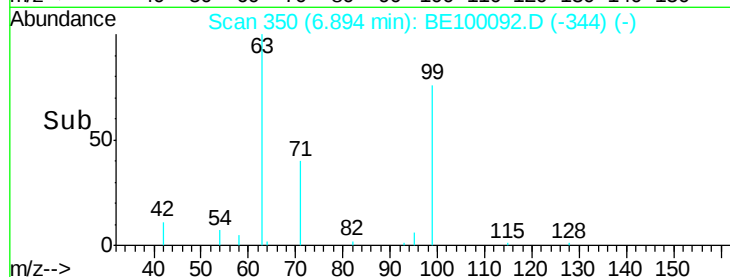
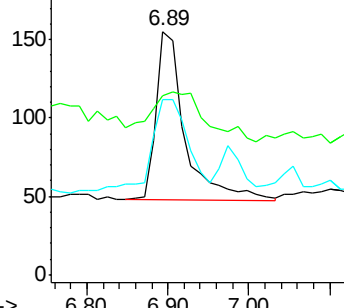
99 100

42 56.8 0.0 0.0#

71 60.9 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: 0.058 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.03 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

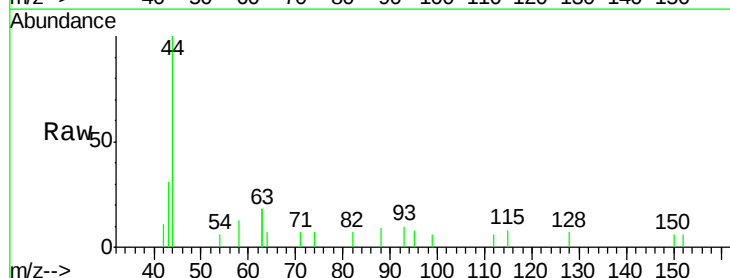
Tgt Ion: 93 Resp: 59

Ion Ratio Lower Upper

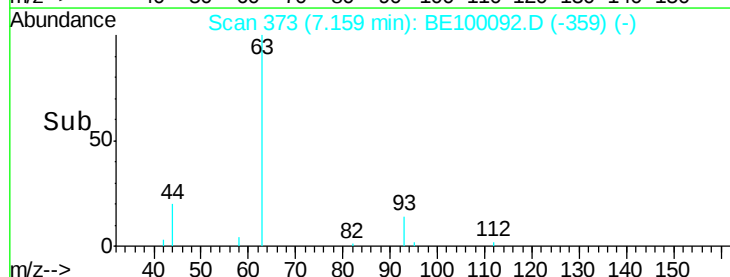
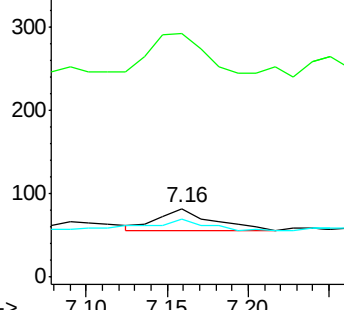
93 100

63 179.7 200.0 300.0#

95 52.5 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: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

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Tgt Ion: 136 Resp: 2988

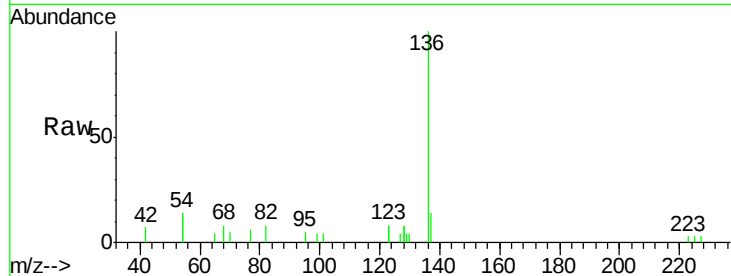
Ion Ratio Lower Upper

136 100

137 14.0 11.6 17.4

54 27.9 33.9 50.9#

68 7.7 7.8 11.8#

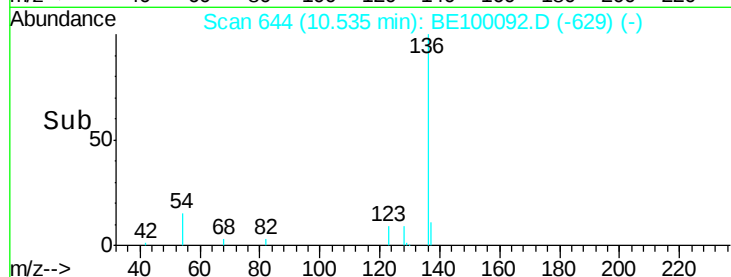


Abundance Ion 136.00 (135.70 to 136.70): E

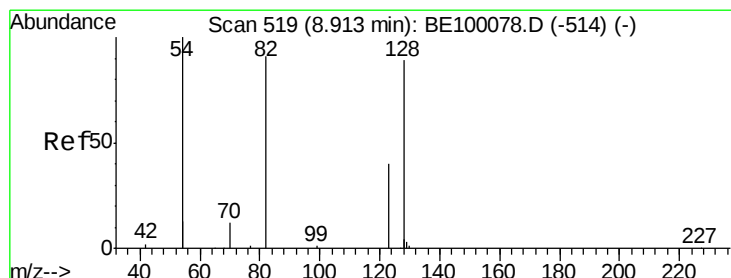
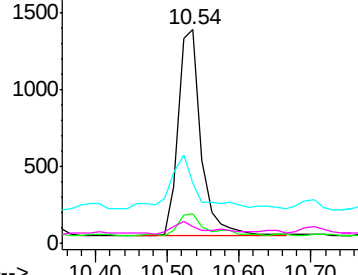
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



Time-->



#8

Nitrobenzene-d5

Concen: 0.422 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

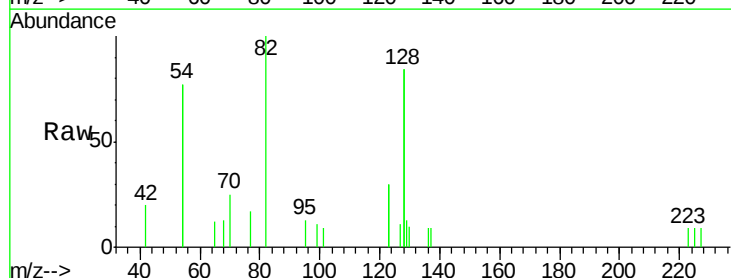
Tgt Ion: 82 Resp: 1223

Ion Ratio Lower Upper

82 100

128 167.8 128.0 192.0

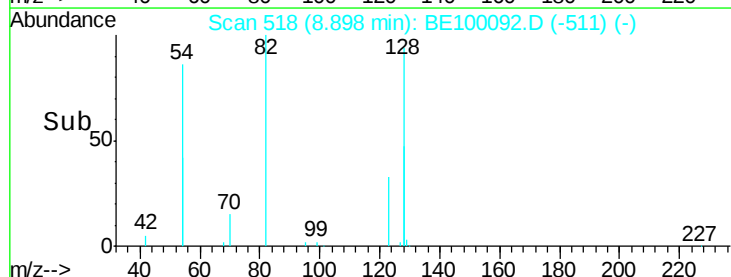
54 154.5 143.4 215.0



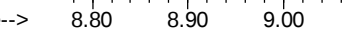
Abundance Ion 82.00 (81.70 to 82.70): BE1

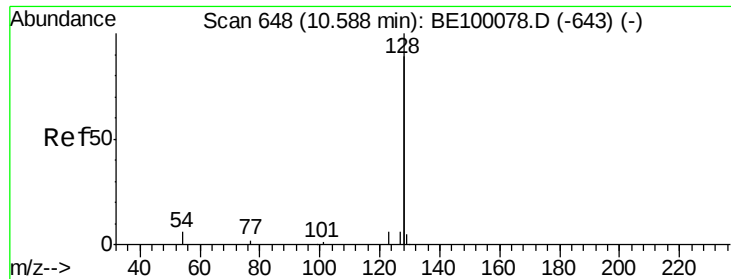
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1



Time-->

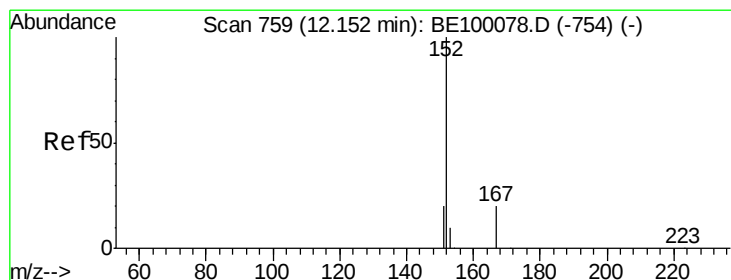
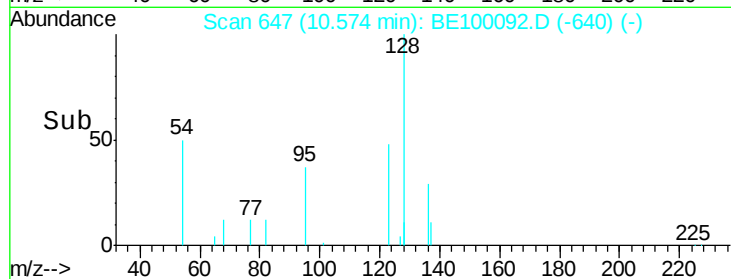
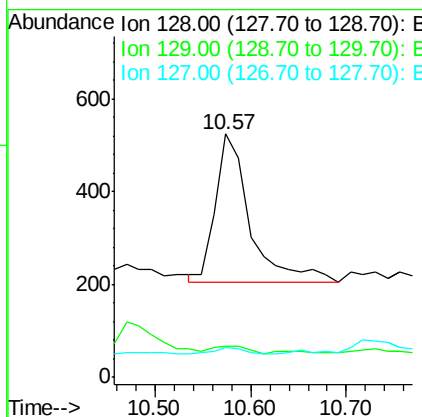
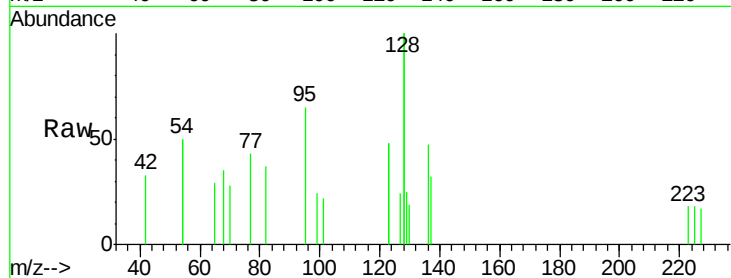




#9
Naphthalene
Concen: 0.024 ng
RT: 10.57 min Scan# 647
Delta R.T. -0.01 min
Lab File: BE100092.D
Acq: 19 Jun 2019 21:05

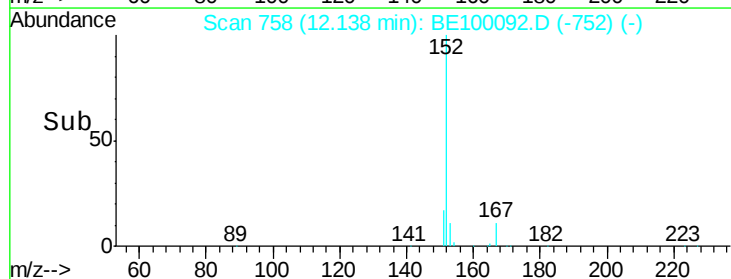
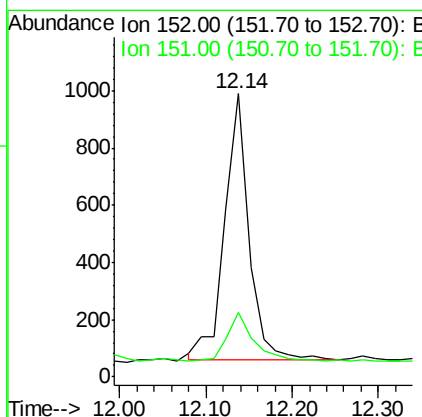
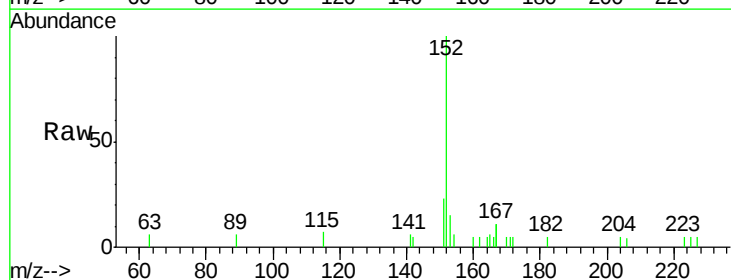
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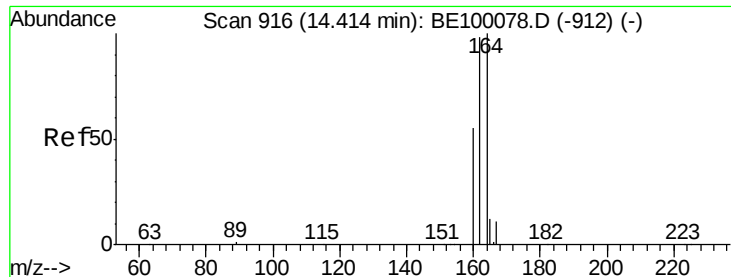
Tgt Ion:128 Resp: 792
Ion Ratio Lower Upper
128 100
129 12.6 3.1 4.7#
127 12.0 3.4 5.2#



#11
2-Methylnaphthalene-d10
Concen: 0.314 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.01 min
Lab File: BE100092.D
Acq: 19 Jun 2019 21:05

Tgt Ion:152 Resp: 1787
Ion Ratio Lower Upper
152 100
151 20.9 16.3 24.5

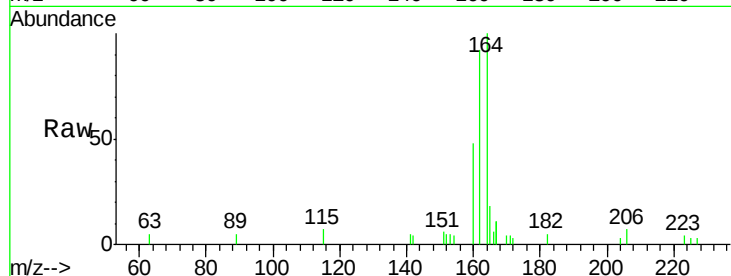




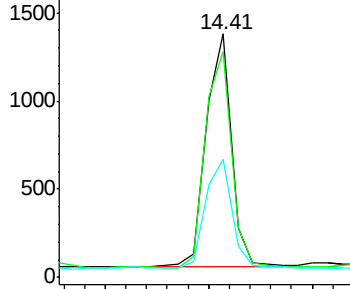
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.41 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: BE100092.D
 Acq: 19 Jun 2019 21:05

Instrument :
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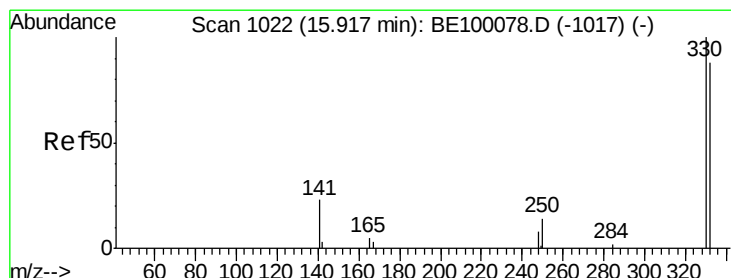
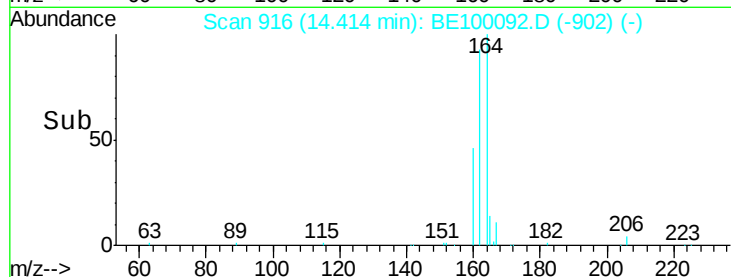
Tgt Ion:164 Resp: 2288
 Ion Ratio Lower Upper
 164 100
 162 92.5 78.2 117.2
 160 48.4 45.6 68.4



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

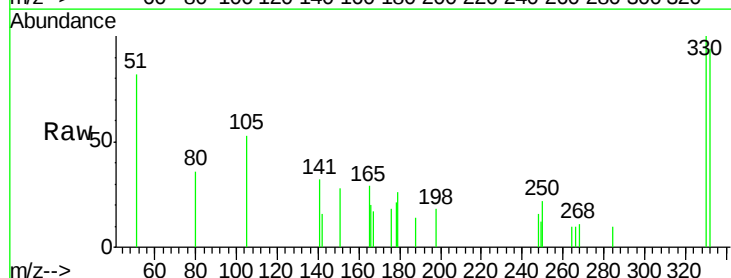


Time-->

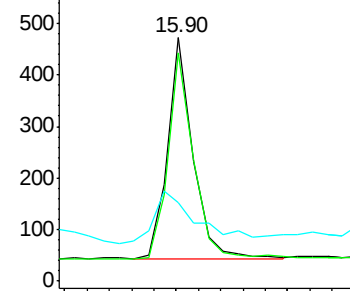


#14
 2,4,6-Tribromophenol
 Concen: 0.541 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100092.D
 Acq: 19 Jun 2019 21:05

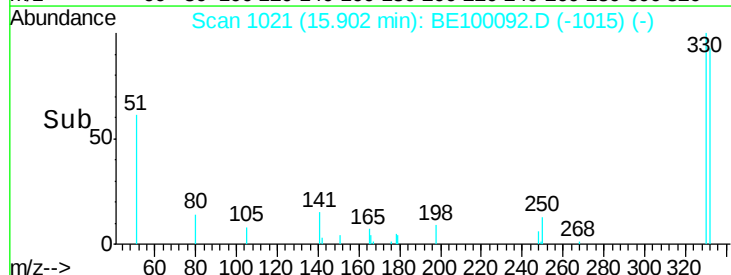
Tgt Ion:330 Resp: 683
 Ion Ratio Lower Upper
 330 100
 332 94.6 73.3 109.9
 141 42.2 22.2 33.2#

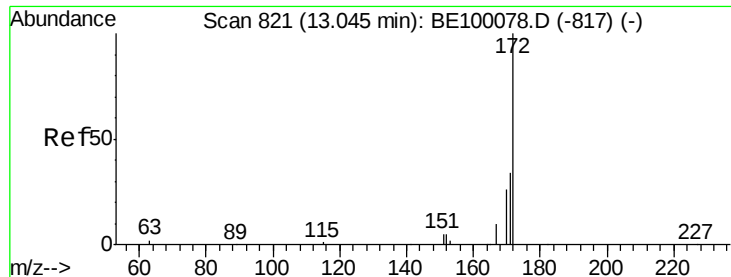


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

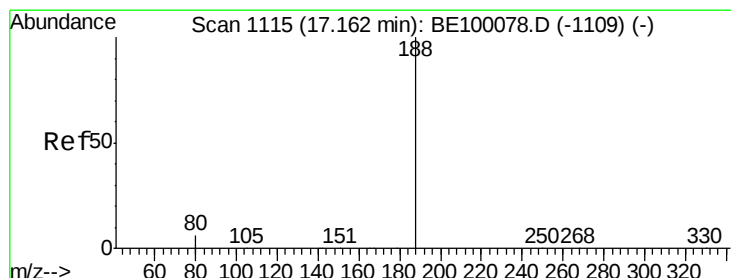
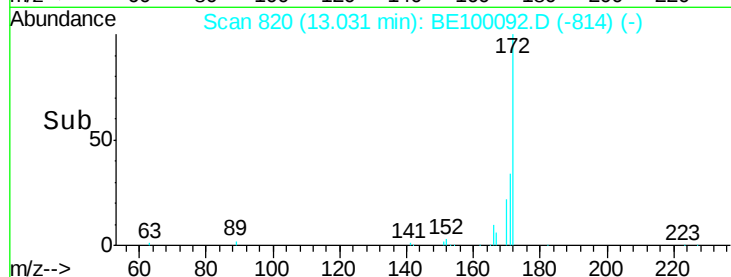
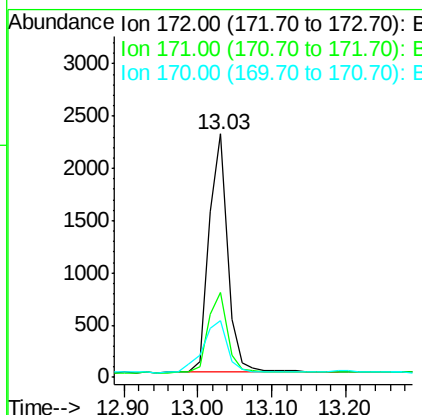
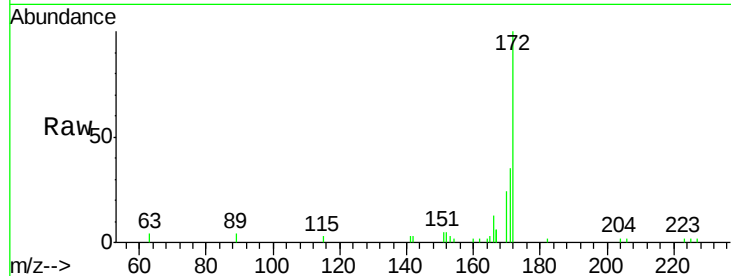




#15
2-Fluorobiphenyl
Concen: 0.448 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100092.D
Acq: 19 Jun 2019 21:05

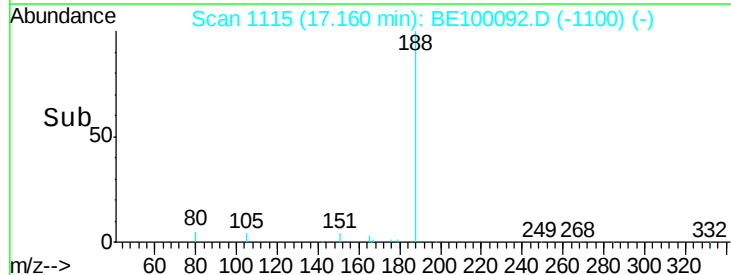
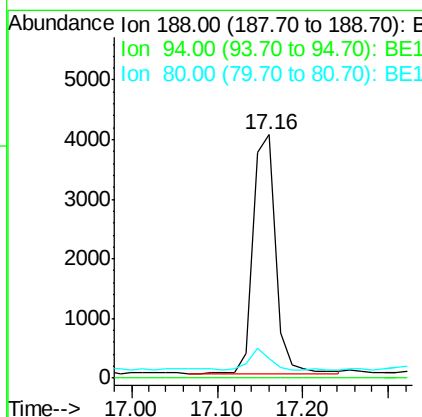
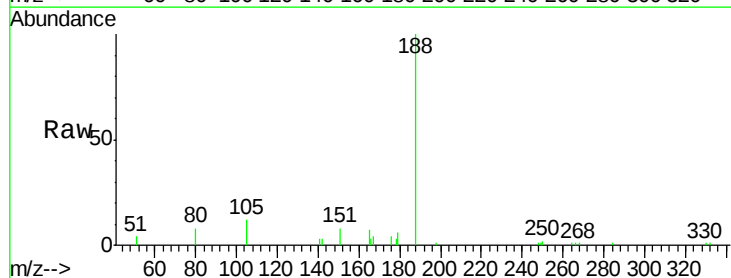
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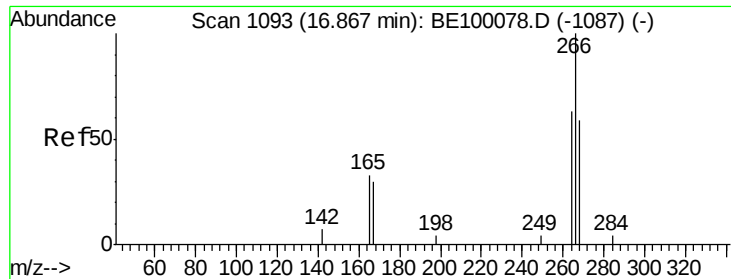
Tgt Ion:172 Resp: 4033
Ion Ratio Lower Upper
172 100
171 34.9 29.8 44.8
170 23.5 23.2 34.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100092.D
Acq: 19 Jun 2019 21:05

Tgt Ion:188 Resp: 7276
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 6.3 9.5

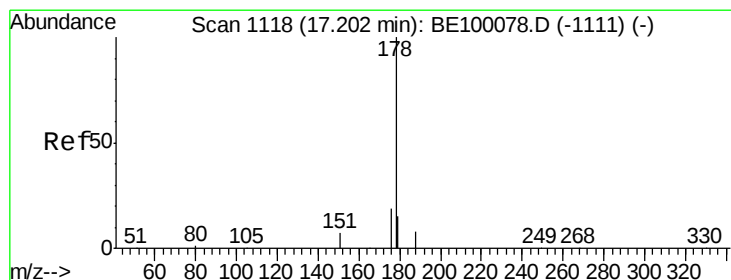
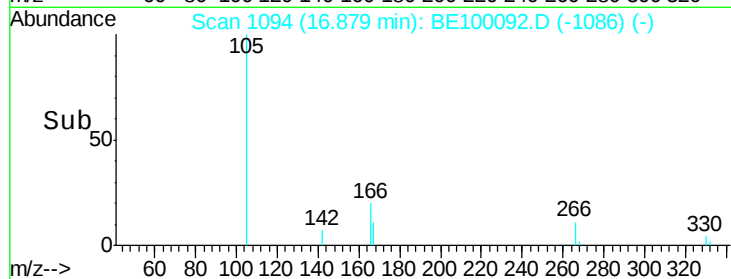
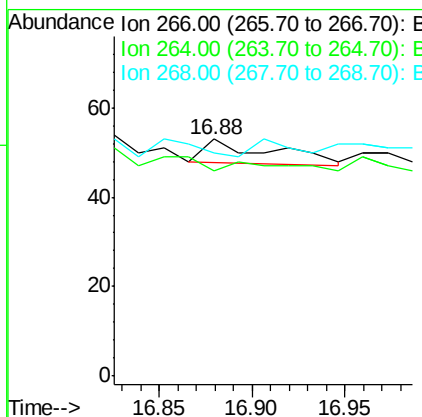
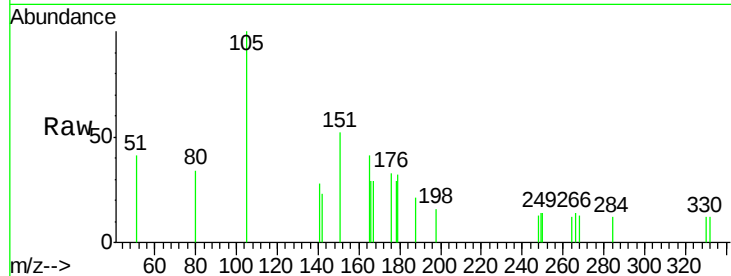




#22
 Pentachlorophenol
 Concen: 0.251 ng
 RT: 16.88 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: BE100092.D
 Acq: 19 Jun 2019 21:05

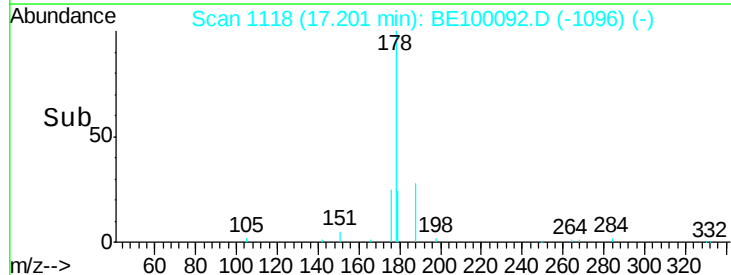
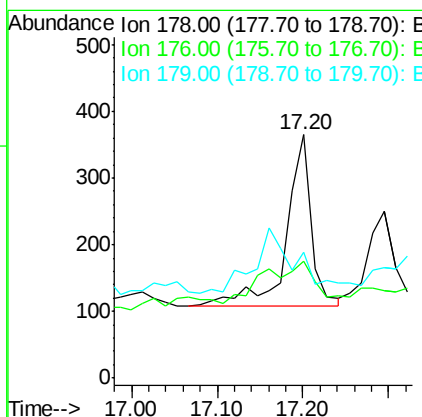
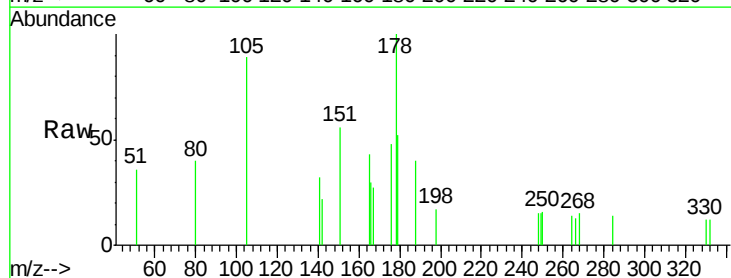
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-190610

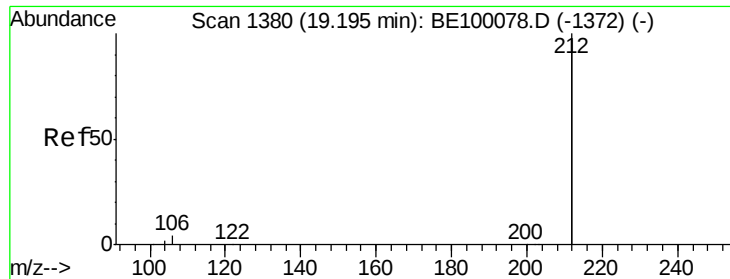
Tgt Ion: 266 Resp: 14
 Ion Ratio Lower Upper
 266 100
 264 86.8 67.8 101.6
 268 94.3 70.0 105.0



#23
 Phenanthrene
 Concen: 0.029 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BE100092.D
 Acq: 19 Jun 2019 21:05

Tgt Ion: 178 Resp: 507
 Ion Ratio Lower Upper
 178 100
 176 53.8 15.9 23.9#
 179 0.0 13.1 19.7#





#25

Fluoranthene-d10

Concen: 0.342 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

Instrument :

BNA_E

ClientSampleId :

LF001MW002-190610

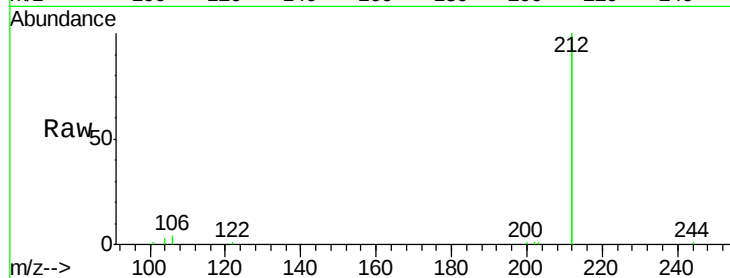
Tgt Ion:212 Resp: 35571

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.0

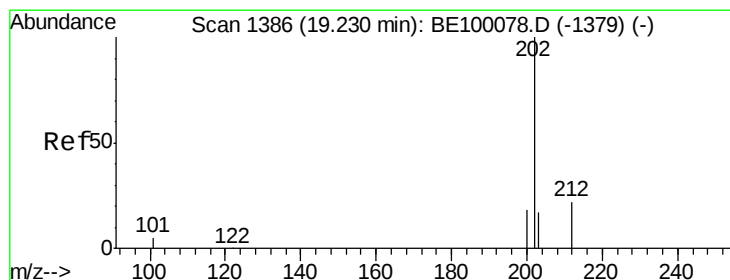
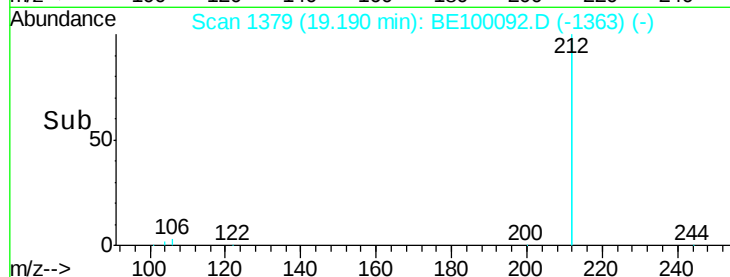
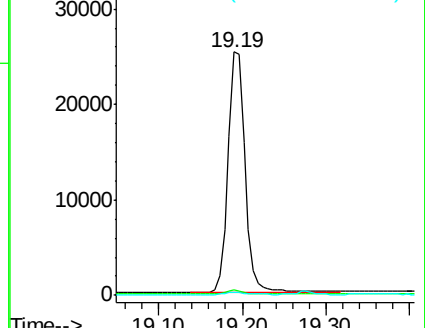
104 1.1 0.8 1.2



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: 0.029 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

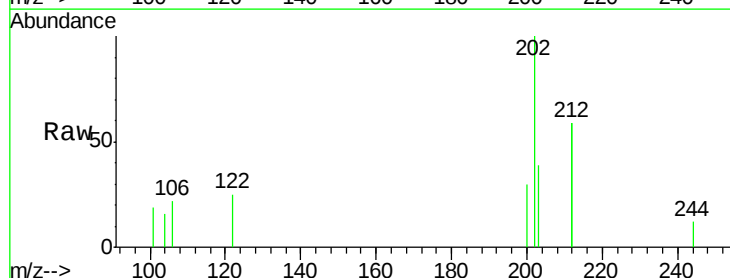
Tgt Ion:202 Resp: 817

Ion Ratio Lower Upper

202 100

101 19.8 5.0 7.4#

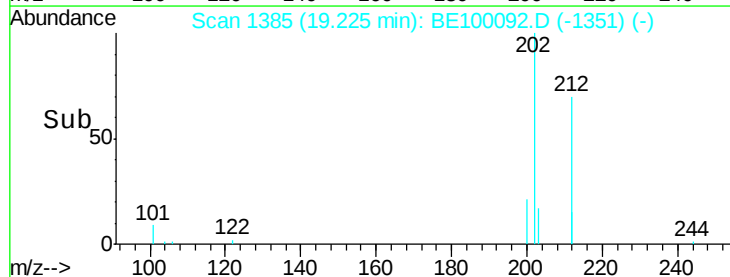
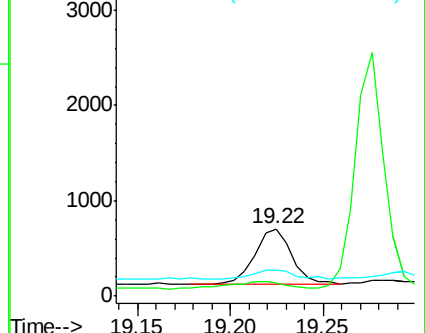
203 19.2 13.7 20.5

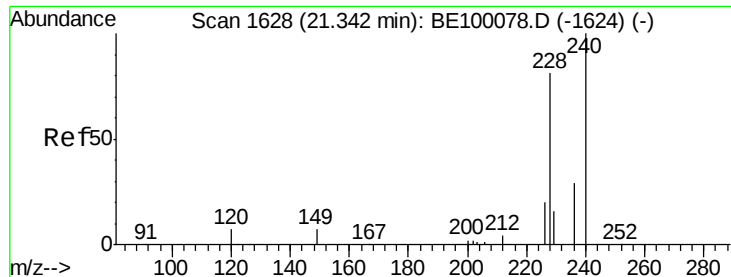


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1628

Delta R.T. 0.00 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

Instrument :

BNA_E

ClientSampleId :

LF001MW002-190610

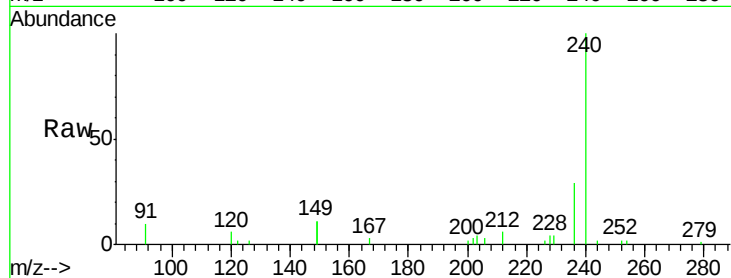
Tgt Ion:240 Resp: 10157

Ion Ratio Lower Upper

240 100

120 6.0 6.6 10.0#

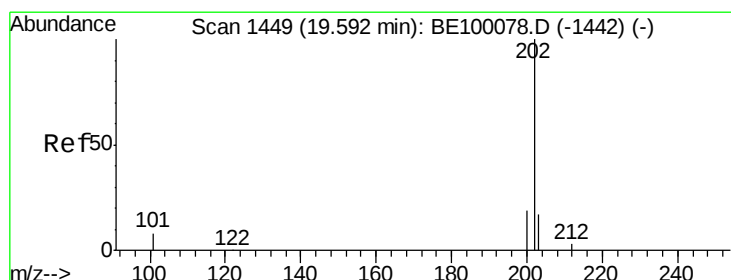
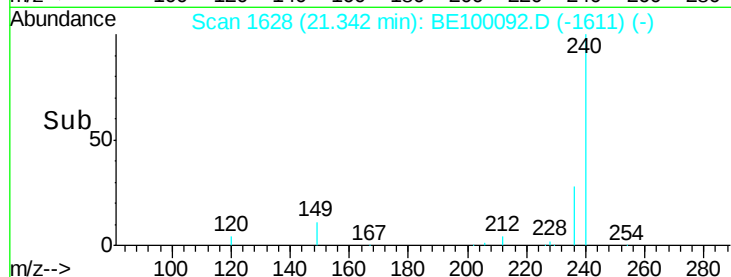
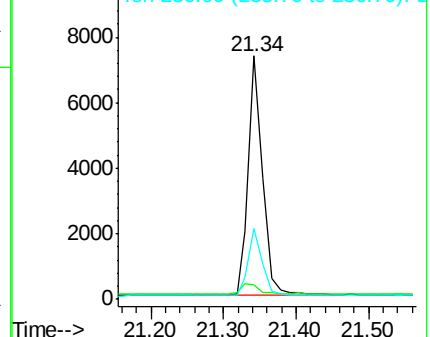
236 28.9 23.8 35.6



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: 0.029 ng

RT: 19.59 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

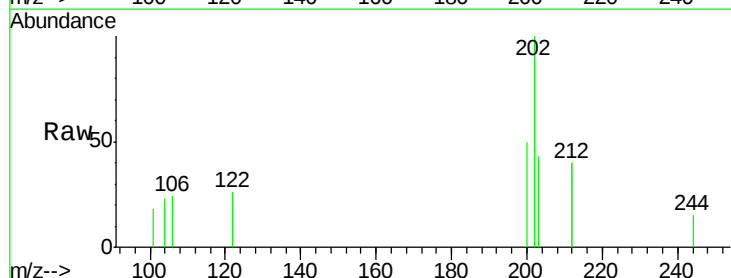
Tgt Ion:202 Resp: 747

Ion Ratio Lower Upper

202 100

200 43.5 15.6 23.4#

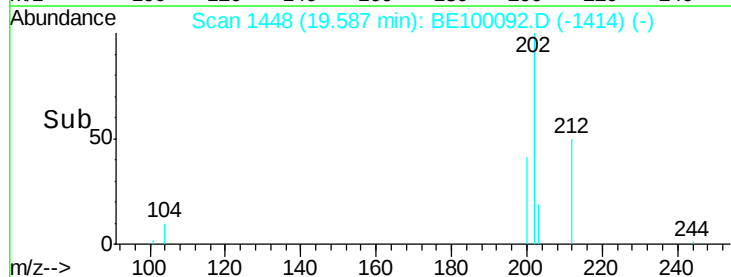
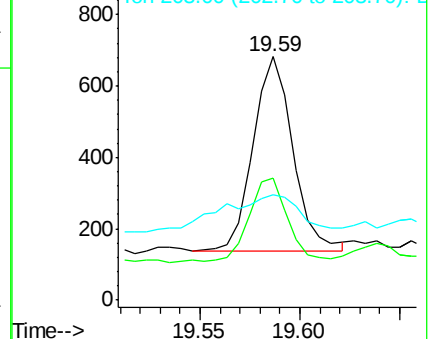
203 37.5 13.9 20.9#

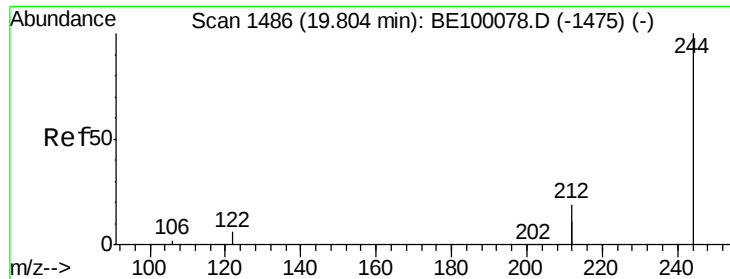


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.556 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

Instrument :

BNA_E

ClientSampleId :

LF001MW002-190610

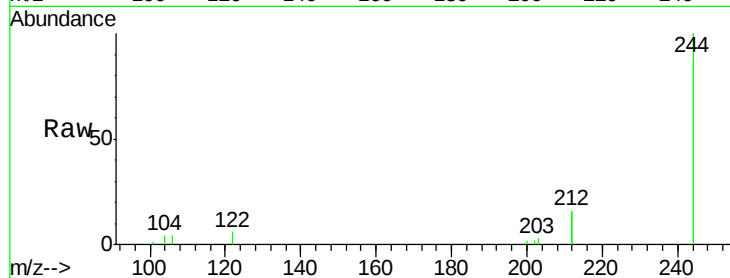
Tgt Ion:244 Resp: 11287

Ion Ratio Lower Upper

244 100

212 32.7 29.8 44.8

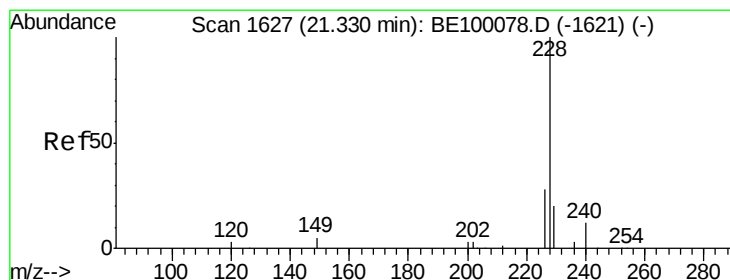
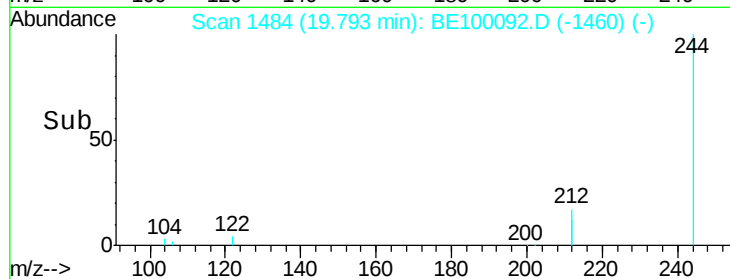
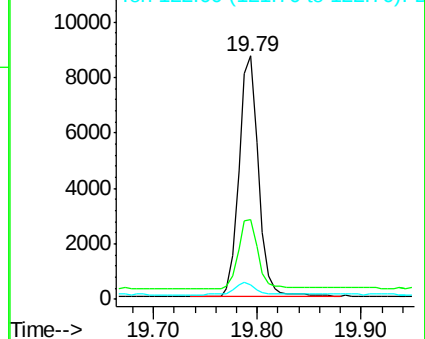
122 6.1 6.1 9.1



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



#30

Benzo(a)anthracene

Concen: 0.023 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100092.D

Acq: 19 Jun 2019 21:05

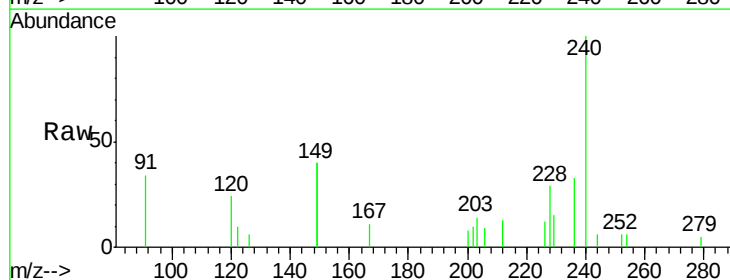
Tgt Ion:228 Resp: 688

Ion Ratio Lower Upper

228 100

226 43.3 23.0 34.4#

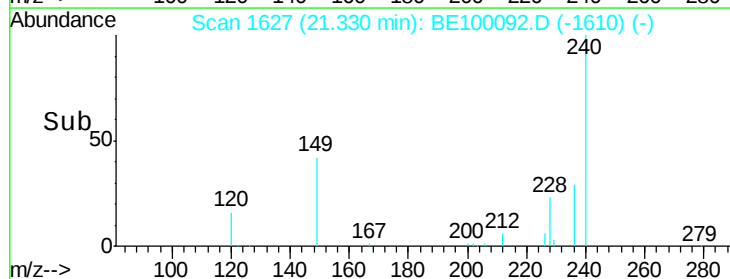
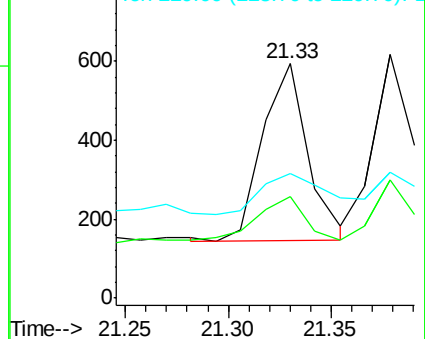
229 53.0 16.4 24.6#

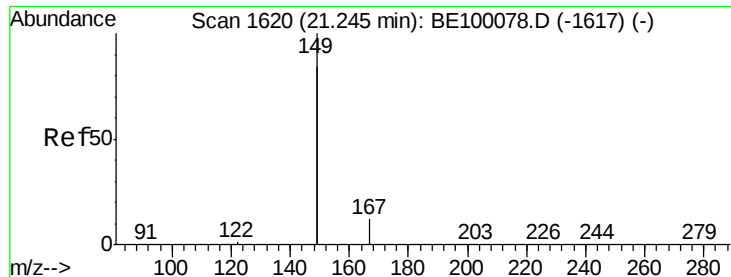


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

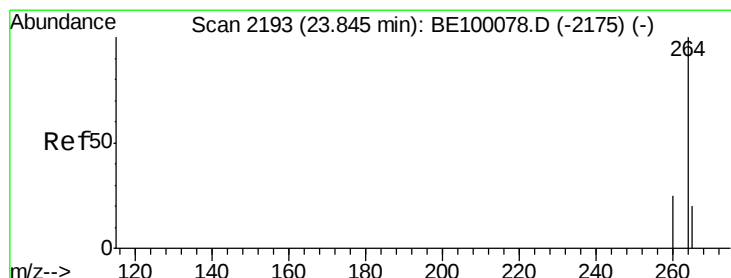
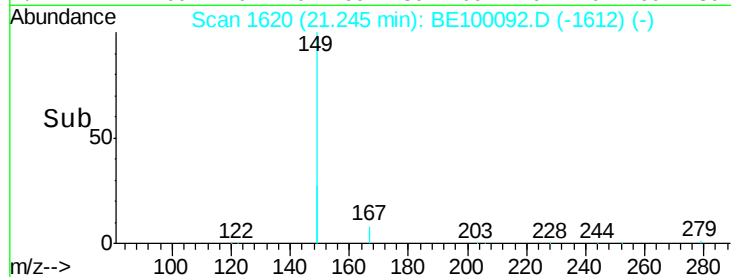
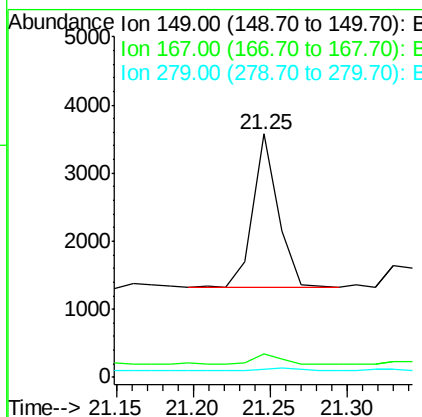
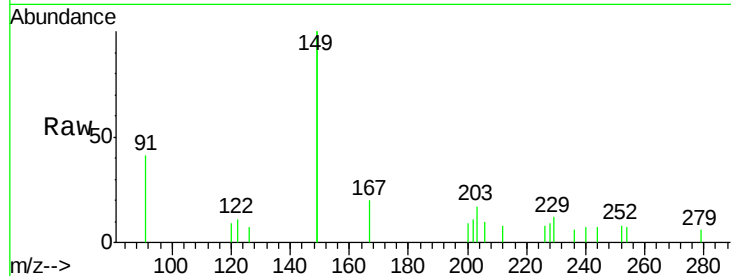




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.091 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100092.D
 Acq: 19 Jun 2019 21:05

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW002-190610

Tgt Ion:149 Resp: 2608
 Ion Ratio Lower Upper
 149 100
 167 7.9 5.8 8.6
 279 2.1 1.1 1.7#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.84 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BE100092.D
 Acq: 19 Jun 2019 21:05

Tgt Ion:264 Resp: 11802
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.8 31.2
 265 29.5 23.2 34.8

