

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061919\
 Data File : BE100094.D
 Acq On : 19 Jun 2019 22:16
 Operator : JU/SJ
 Sample : K3309-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW001-190610

Quant Time: Jun 20 03:51:49 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	7.73	152	752	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	2599	0.40	ng	0.00
13) Acenaphthene-d10	14.41	164	2166	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	6830	0.40	ng	0.00
27) Chrysene-d12	21.34	240	10146	0.40	ng	0.00
34) Perylene-d12	23.84	264	11694	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.30	112	278	0.18	ng	0.00
5) Phenol-d6	6.90	99	253	0.12	ng	-0.03
8) Nitrobenzene-d5	8.90	82	889	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	1411	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	544	0.45	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2961	0.35	ng	-0.01
25) Fluoranthene-d10	19.19	212	30931	0.32	ng	0.00
29) Terphenyl-d14	19.79	244	8612	0.42	ng	-0.01

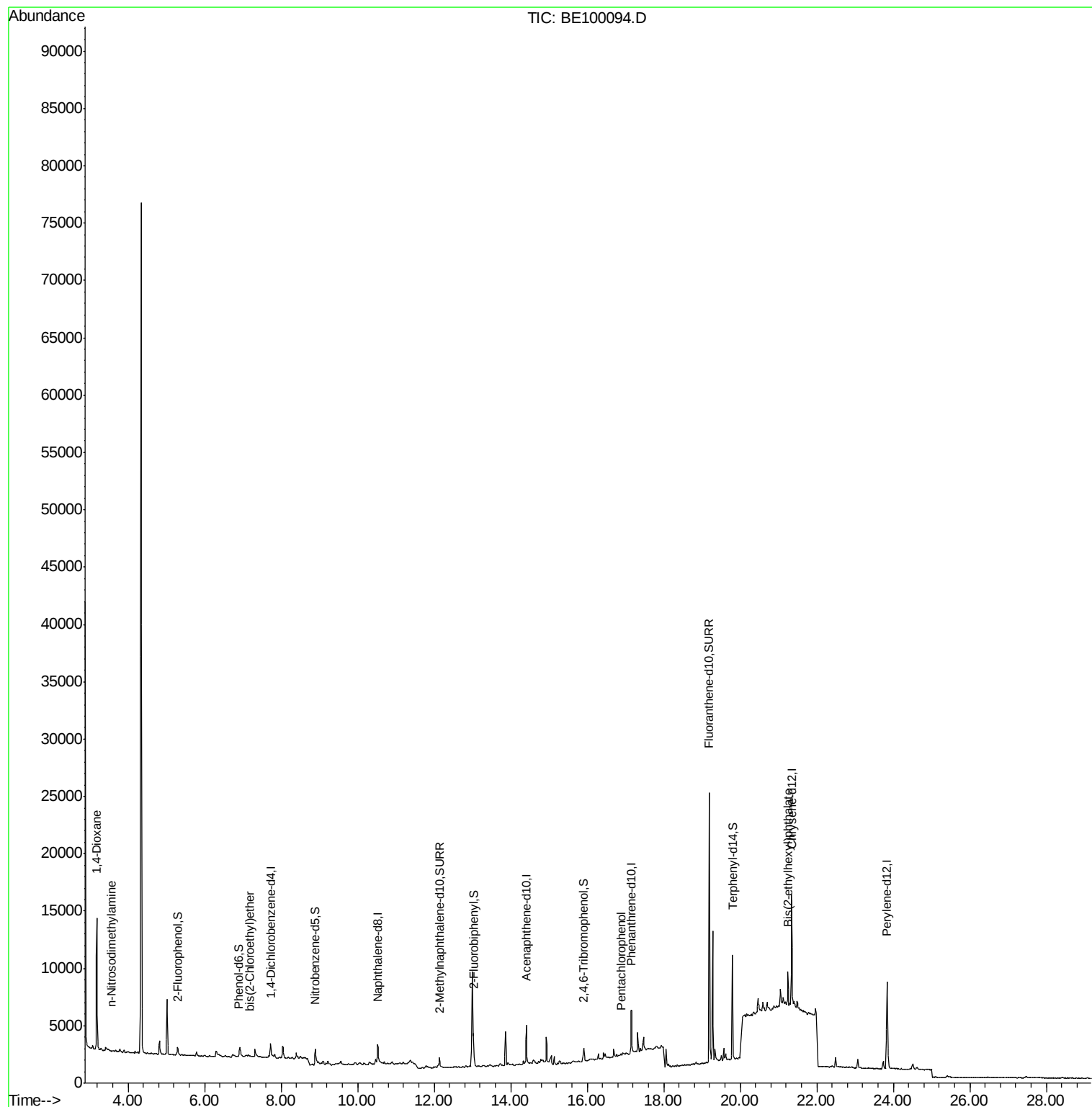
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.19	88	8782	7.278	ng	93
3) n-Nitrosodimethylamine	3.56	42	17	0.363	ng	# 100
6) bis(2-Chloroethyl)ether	7.19	93	16	0.041	ng	# 1
22) Pentachlorophenol	16.89	266	2	0.244	ng	88
32) Bis(2-ethylhexyl)phthalate	21.24	149	3357	0.118	ng	# 96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE100094.D

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Instrument :

BNA_E

ClientSampleId :

LF017MW001-190610

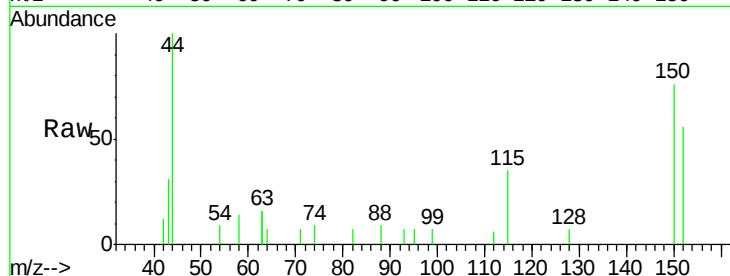
Tgt Ion:152 Resp: 752

Ion Ratio Lower Upper

152 100

150 135.9 99.8 149.8

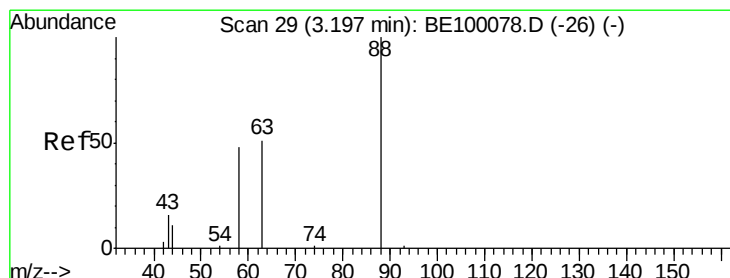
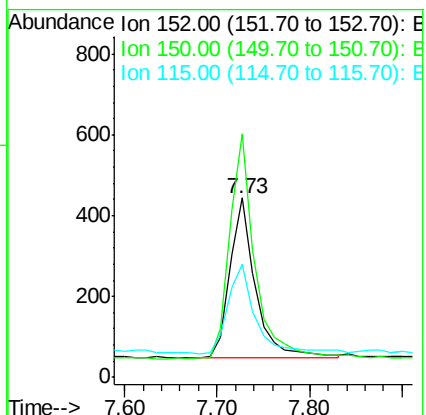
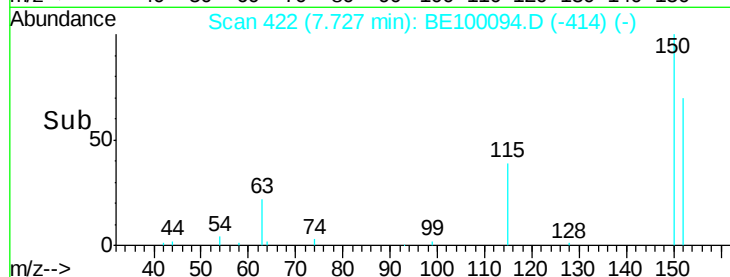
115 63.2 51.3 76.9



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: 7.278 ng

RT: 3.19 min Scan# 28

Delta R.T. -0.01 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

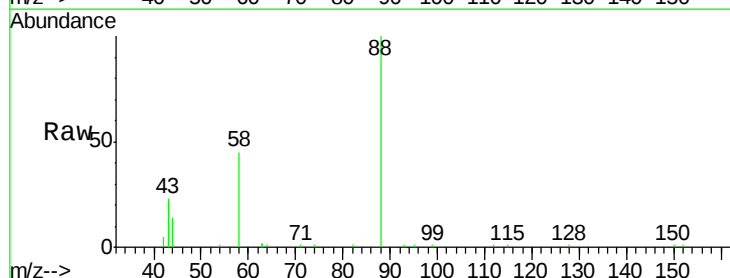
Tgt Ion: 88 Resp: 8782

Ion Ratio Lower Upper

88 100

58 56.1 51.1 76.7

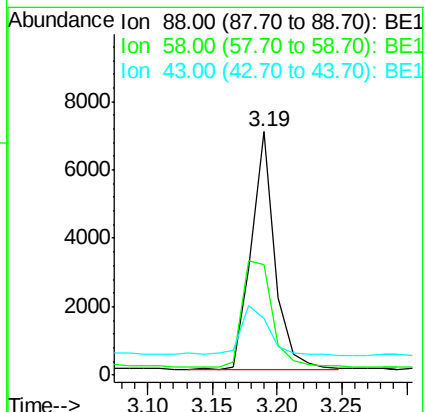
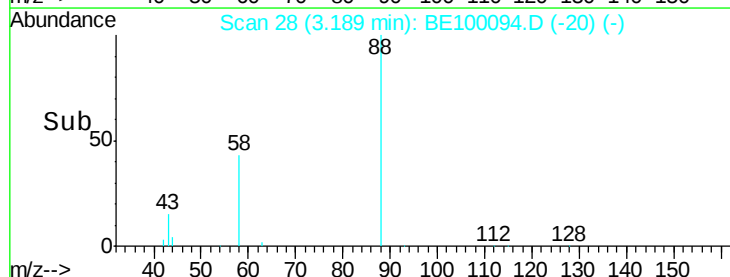
43 26.2 21.7 32.5



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: 0.363 ng

RT: 3.56 min Scan# 60

Delta R.T. -0.04 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

Instrument :

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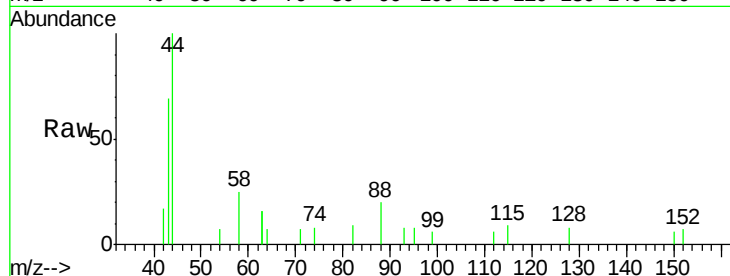
Tgt Ion: 42 Resp: 17

Ion Ratio Lower Upper

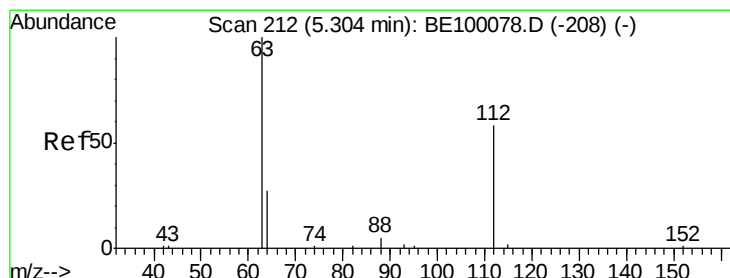
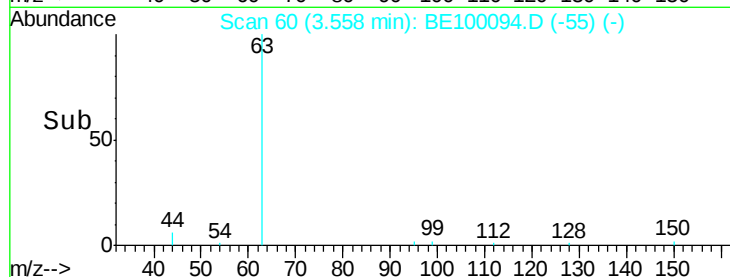
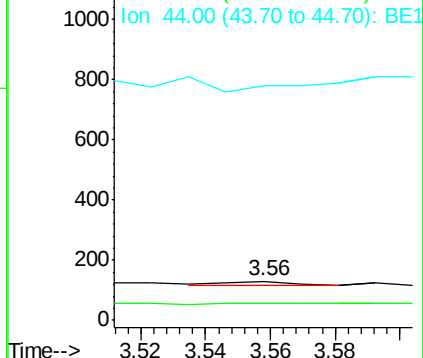
42 100

74 94.1 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: 0.178 ng

RT: 5.30 min Scan# 211

Delta R.T. -0.01 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

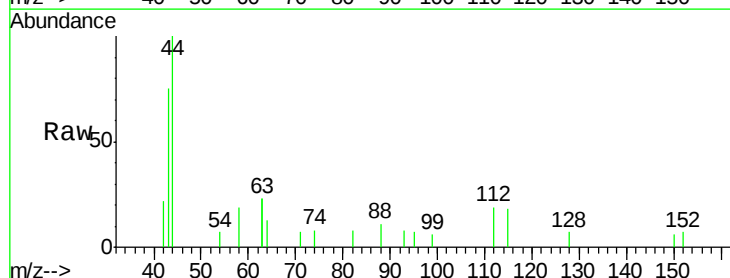
Tgt Ion: 112 Resp: 278

Ion Ratio Lower Upper

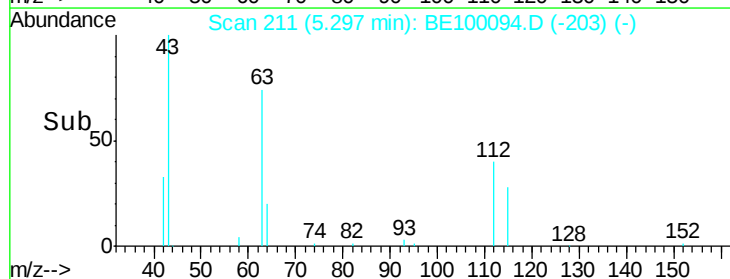
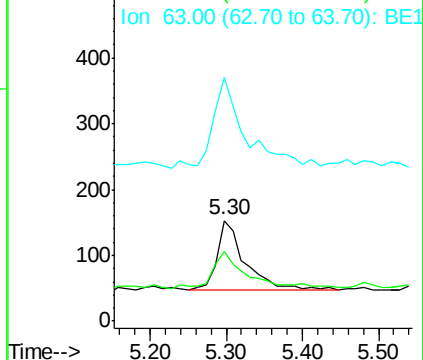
112 100

64 62.6 22.0 33.0#

63 151.8 121.8 182.6



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: 0.118 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.03 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

Instrument :

BNA_E

ClientSampleId :

LF017MW001-190610

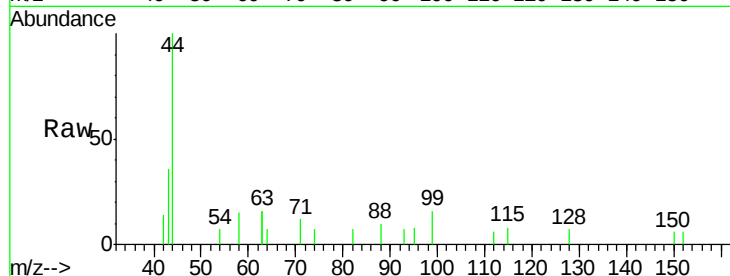
Tgt Ion: 99 Resp: 253

Ion Ratio Lower Upper

99 100

42 36.0 0.0 0.0#

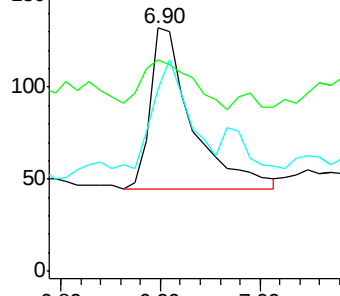
71 56.9 37.6 56.4#



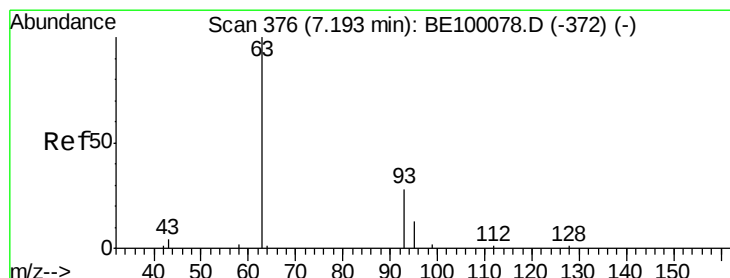
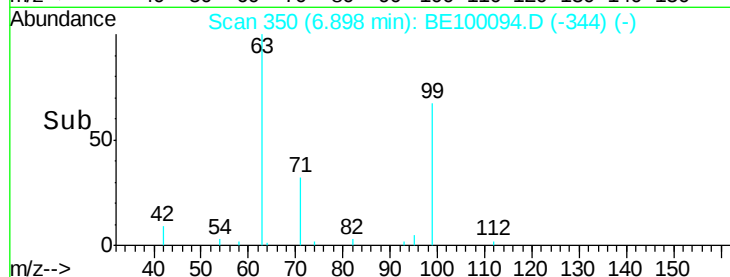
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time--> 6.80 6.90 7.00



#6

bis(2-Chloroethyl)ether

Concen: 0.041 ng

RT: 7.19 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

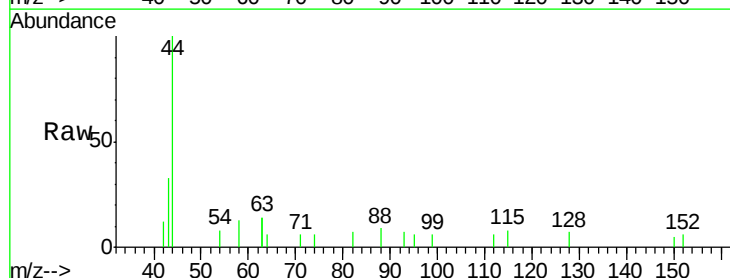
Tgt Ion: 93 Resp: 16

Ion Ratio Lower Upper

93 100

63 0.0 200.0 300.0#

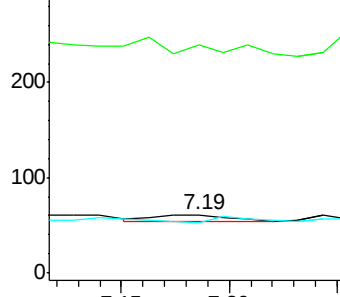
95 56.3 24.0 36.0#



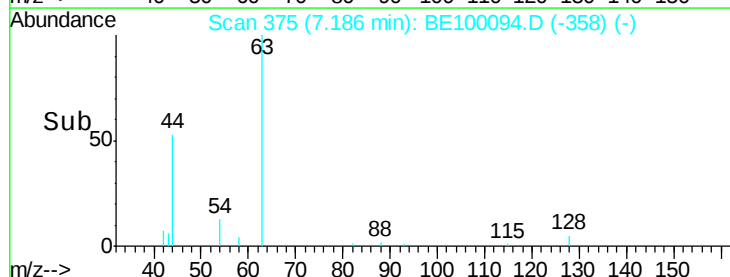
Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time--> 7.15 7.20





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

Instrument :

BNA_E

ClientSampleId :

LF017MW001-190610

Tgt Ion: 136 Resp: 2599

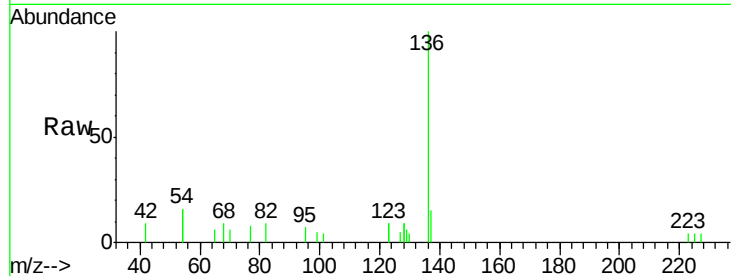
Ion Ratio Lower Upper

136 100

137 14.9 11.6 17.4

54 32.0 33.9 50.9#

68 8.7 7.8 11.8

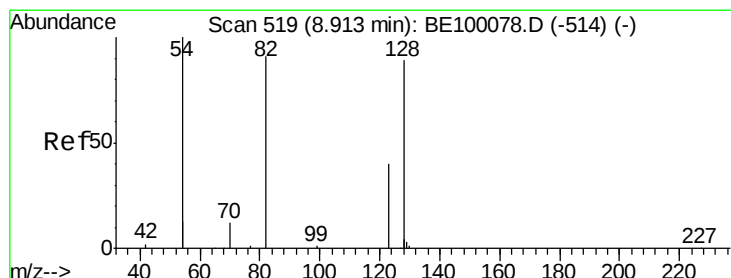
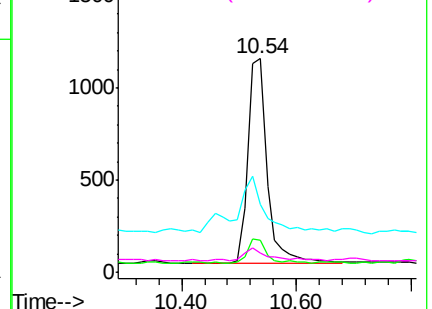
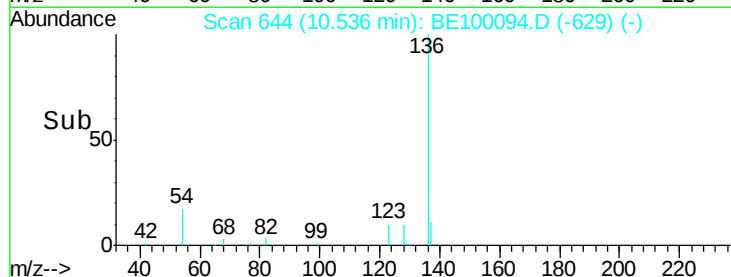


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.353 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

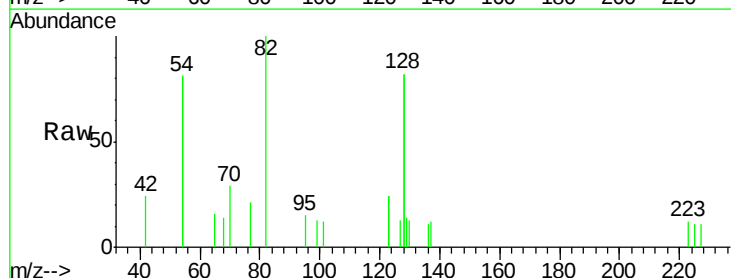
Tgt Ion: 82 Resp: 889

Ion Ratio Lower Upper

82 100

128 163.5 128.0 192.0

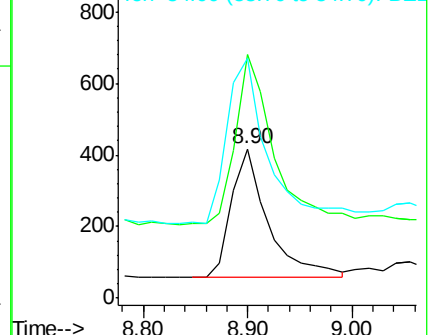
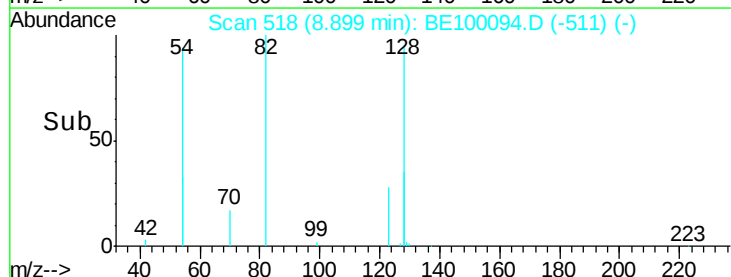
54 161.1 143.4 215.0

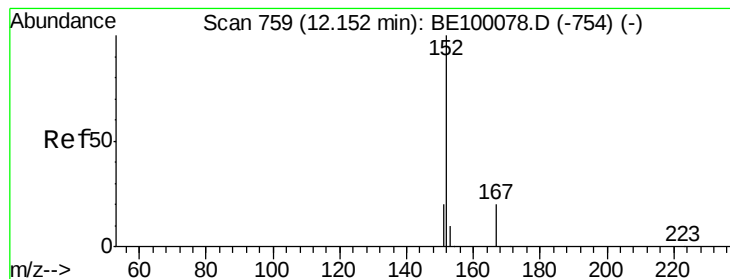


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.285 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

Instrument :

BNA_E

ClientSampleId :

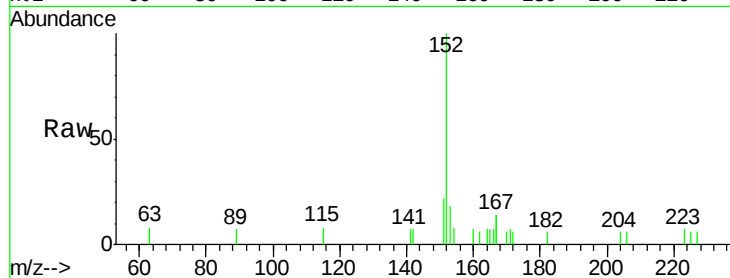
LF017MW001-190610

Tgt Ion:152 Resp: 1411

Ion Ratio Lower Upper

152 100

151 18.7 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

800

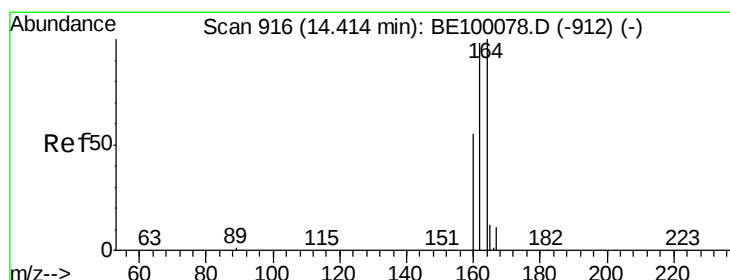
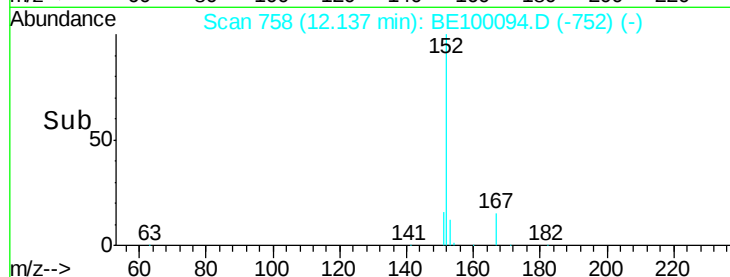
600

400

200

0

Time--> 12.00 12.10 12.20 12.30



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.00 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

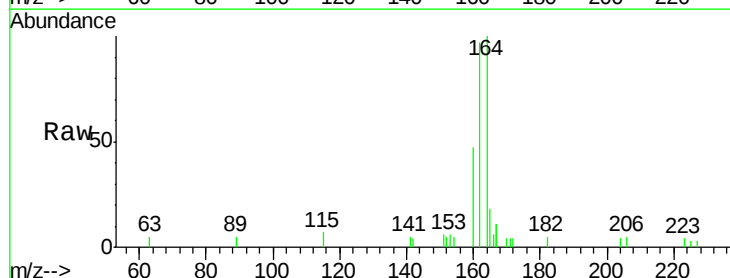
Tgt Ion:164 Resp: 2166

Ion Ratio Lower Upper

164 100

162 97.2 78.2 117.2

160 46.8 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

14.41

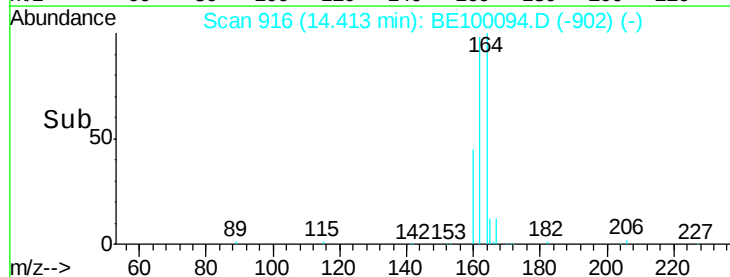
1500

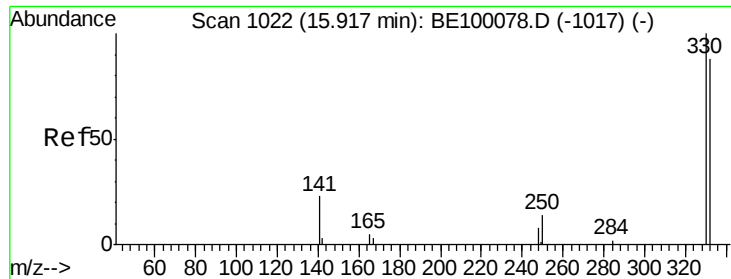
1000

500

0

Time--> 14.20 14.40 14.60

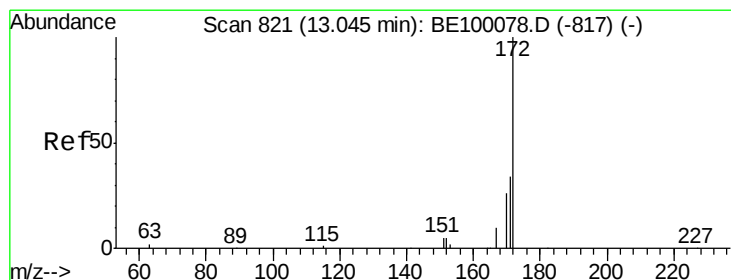
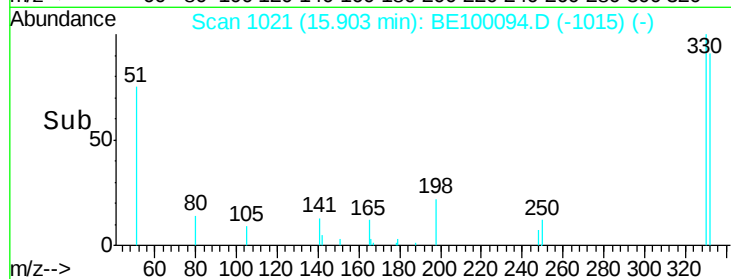
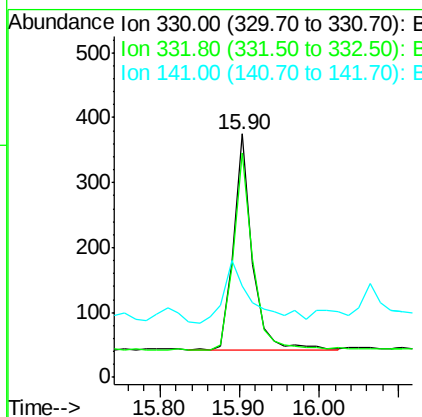
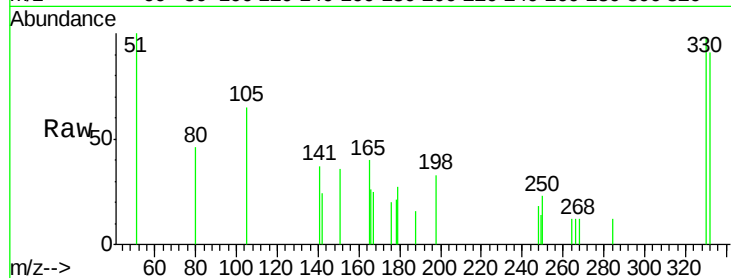




#14
 2,4,6-Tribromophenol
 Concen: 0.455 ng
 RT: 15.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BE100094.D
 Acq: 19 Jun 2019 22:16

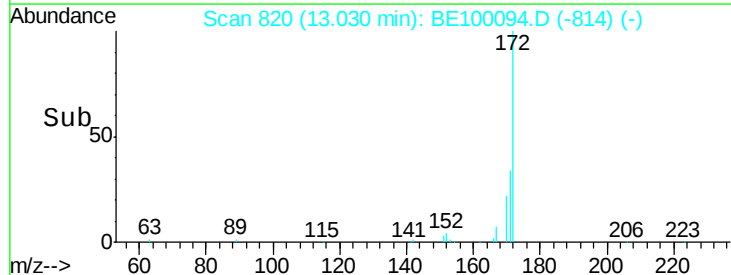
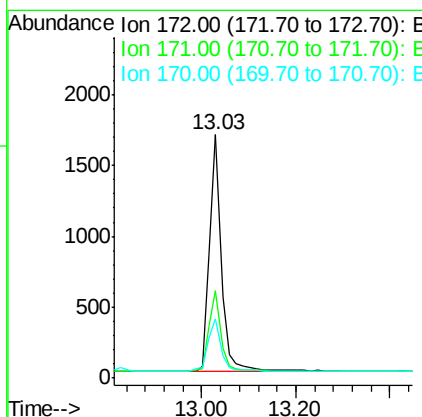
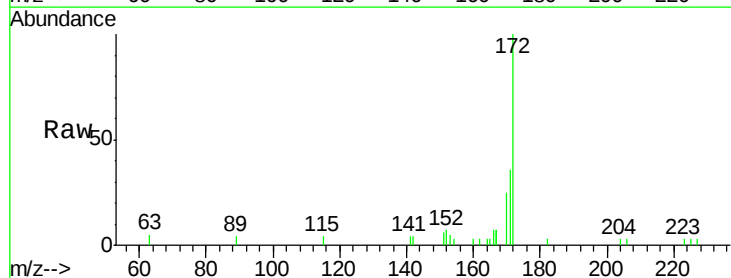
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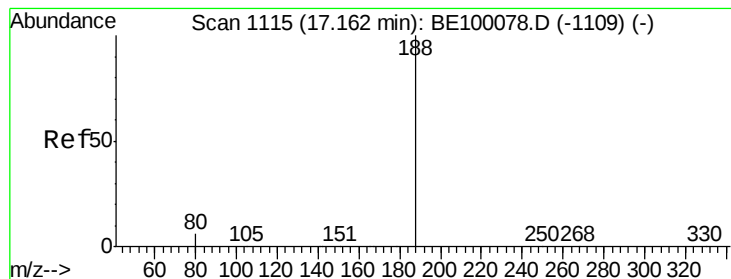
Tgt Ion:330 Resp: 544
 Ion Ratio Lower Upper
 330 100
 332 96.7 73.3 109.9
 141 41.4 22.2 33.2#



#15
 2-Fluorobiphenyl
 Concen: 0.348 ng
 RT: 13.03 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BE100094.D
 Acq: 19 Jun 2019 22:16

Tgt Ion:172 Resp: 2961
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.8 44.8
 170 24.5 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: BE100094.D

Acq: 19 Jun 2019 22:16

Instrument :

BNA_E

ClientSampleId :

LF017MW001-190610

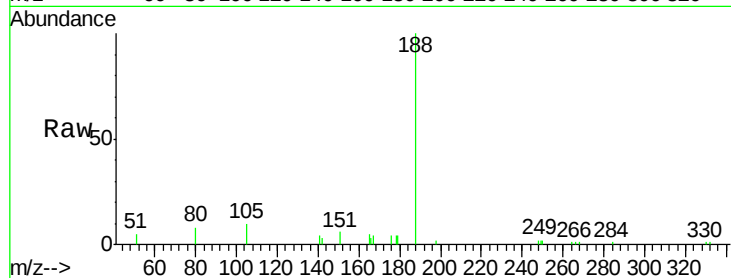
Tgt Ion:188 Resp: 6830

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

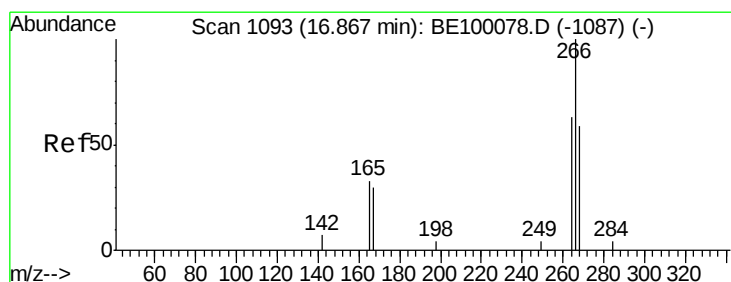
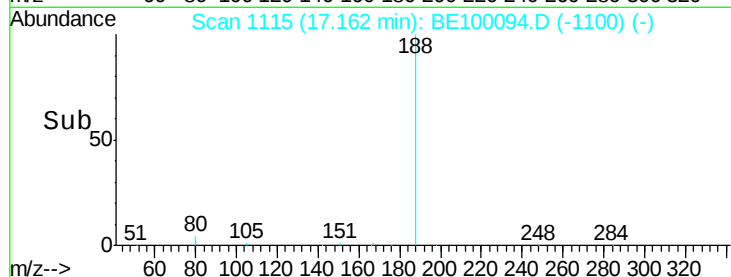
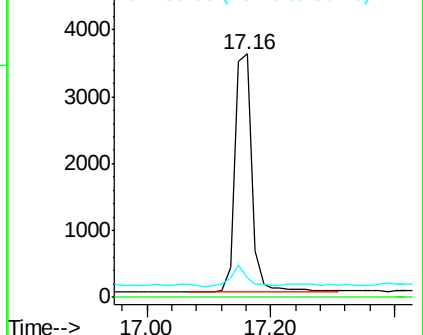
80 8.3 6.3 9.5



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: 0.244 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.03 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

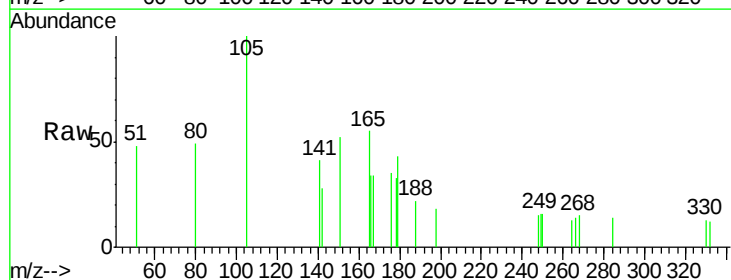
Tgt Ion:266 Resp: 2

Ion Ratio Lower Upper

266 100

264 92.0 67.8 101.6

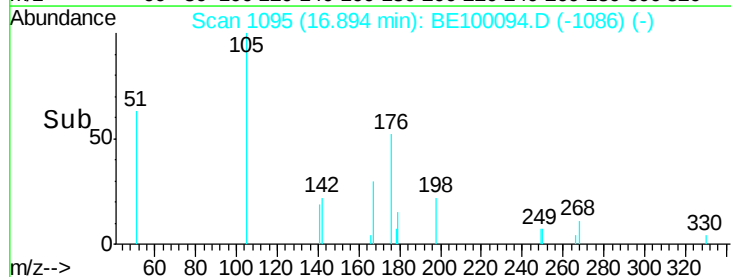
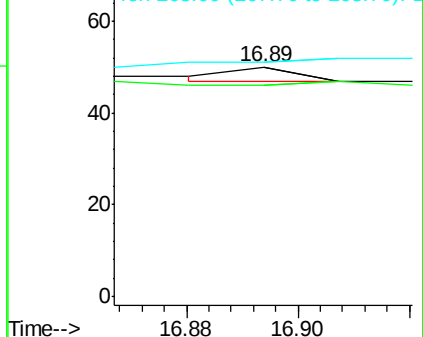
268 102.0 70.0 105.0

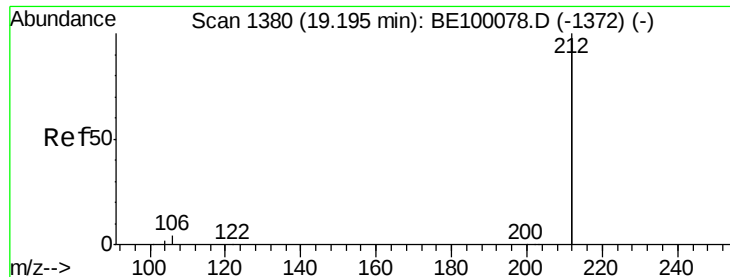


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

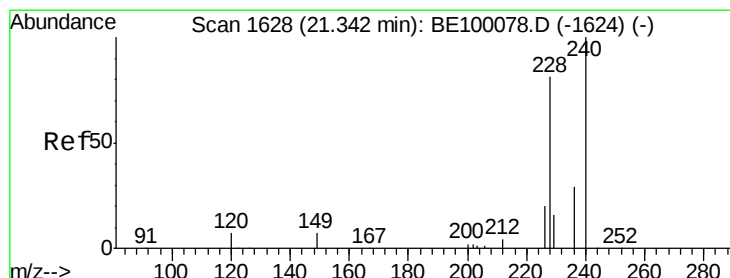
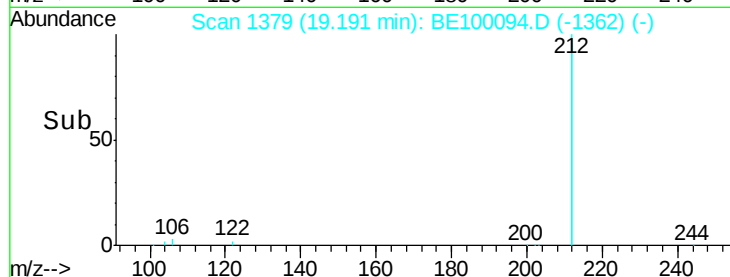
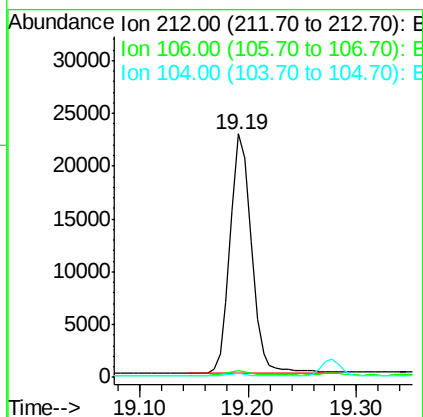
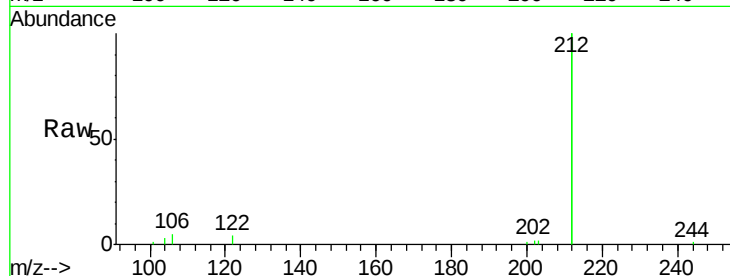




#25
 Fluoranthene-d10
 Concen: 0.317 ng
 RT: 19.19 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: BE100094.D
 Acq: 19 Jun 2019 22:16

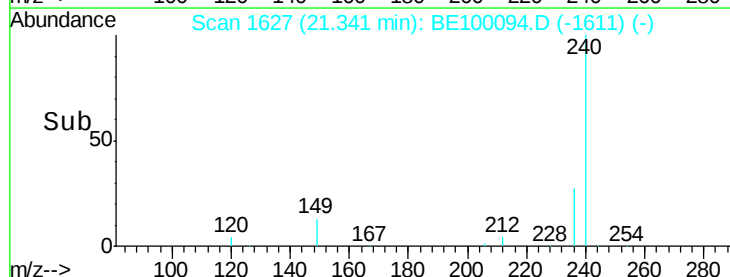
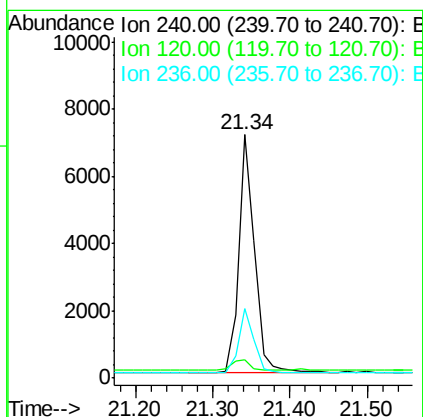
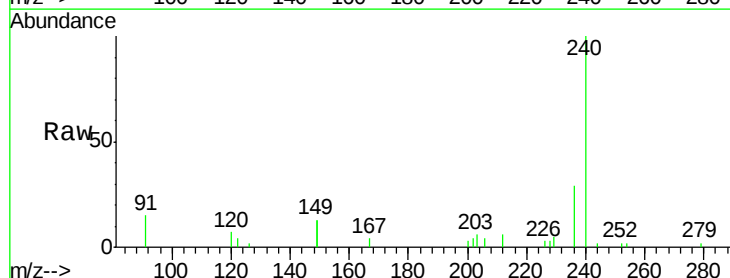
Instrument :
 BNA_E
 ClientSampleId :
 LF017MW001-190610

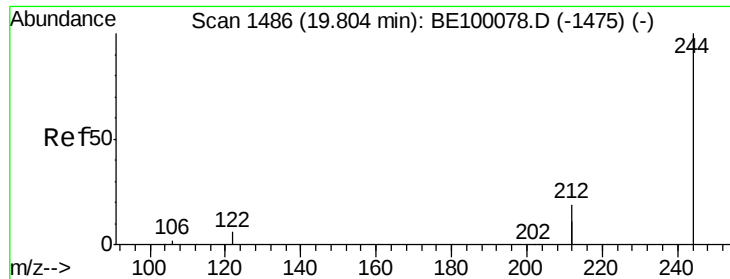
Tgt Ion:212 Resp: 30931
 Ion Ratio Lower Upper
 212 100
 106 2.1 1.4 2.0#
 104 1.2 0.8 1.2



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BE100094.D
 Acq: 19 Jun 2019 22:16

Tgt Ion:240 Resp: 10146
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.6 10.0
 236 28.8 23.8 35.6





#29

Terphenyl-d14

Concen: 0.425 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

Instrument :

BNA_E

ClientSampleId :

LF017MW001-190610

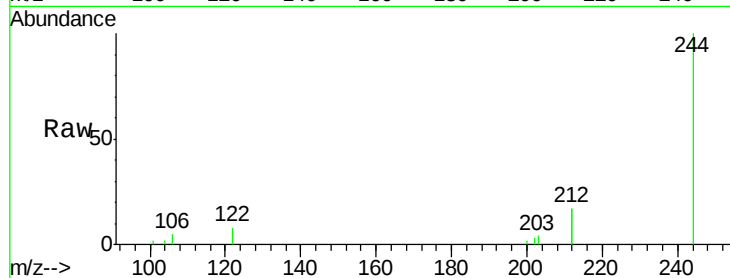
Tgt Ion:244 Resp: 8612

Ion Ratio Lower Upper

244 100

212 34.1 29.8 44.8

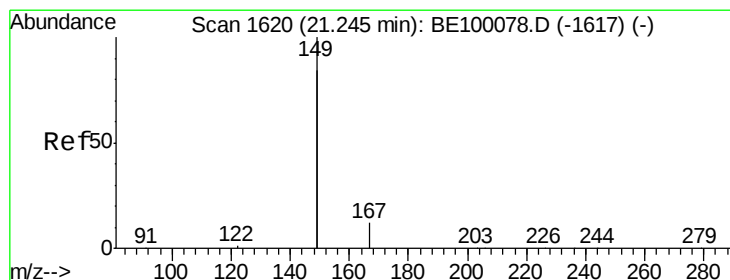
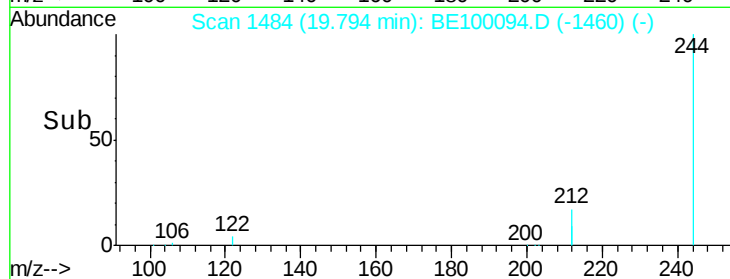
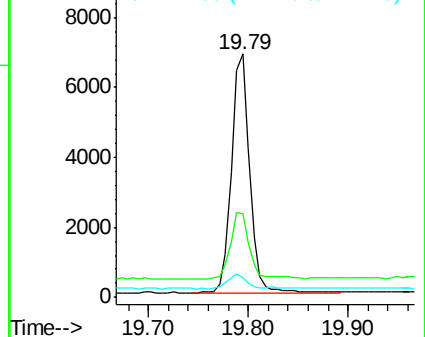
122 8.1 6.1 9.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.118 ng

RT: 21.24 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100094.D

Acq: 19 Jun 2019 22:16

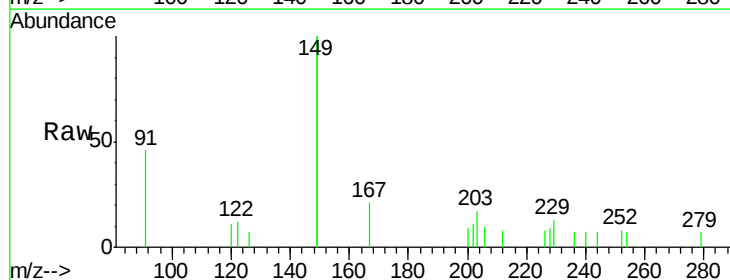
Tgt Ion:149 Resp: 3357

Ion Ratio Lower Upper

149 100

167 8.6 5.8 8.6

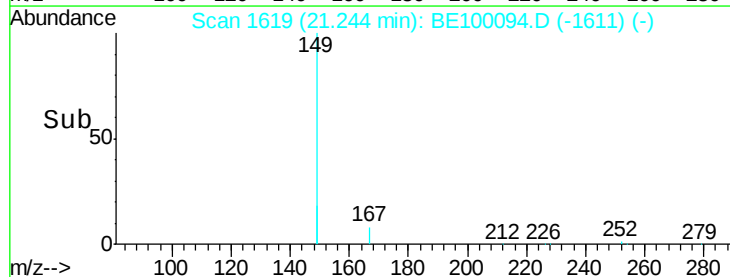
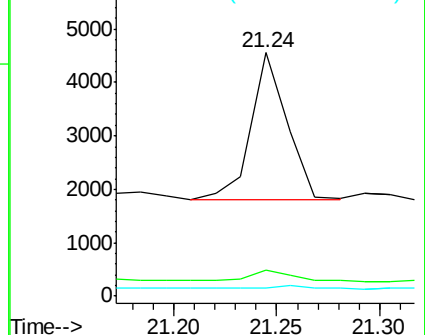
279 2.1 1.1 1.7#

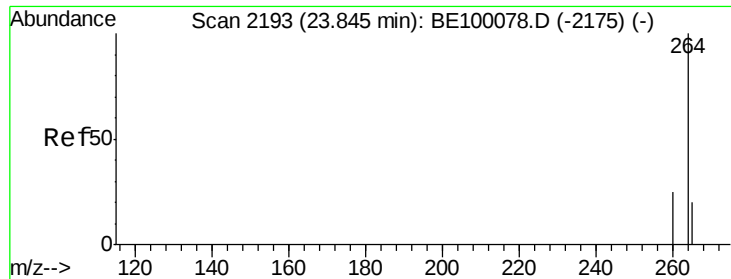


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2190
Delta R.T. -0.01 min
Lab File: BE100094.D
Acq: 19 Jun 2019 22:16

Instrument :
BNA_E
ClientSampleId :
LF017MW001-190610

Tgt Ion: 264 Resp: 11694
Ion Ratio Lower Upper
264 100
260 25.5 20.8 31.2
265 30.4 23.2 34.8

