

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093021.D
 Acq On : 12 May 2017 17:01
 Operator : SJ/MA
 Sample : I3079-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-170509

Quant Time: May 12 17:48:42 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	988	0.40	ng	-0.02
7) Naphthalene-d8	10.52	136	3791	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	8676	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5557	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5676	0.40	ng	0.00
34) Perylene-d12	23.69	264	4875	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	682	0.25	ng	0.00
5) Phenol-d6	0.00	99	0	0.00	ng	
8) Nitrobenzene-d5	8.88	82	2630	0.89	ng	-0.02
11) 2-Methylnaphthalene-d10	12.13	152	2081	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	314	0.13	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	3998	0.12	ng	0.00
25) Fluoranthene-d10	19.14	212	4608	0.31	ng	-0.02
29) Terphenyl-d14	19.74	244	6266	0.62	ng	0.00

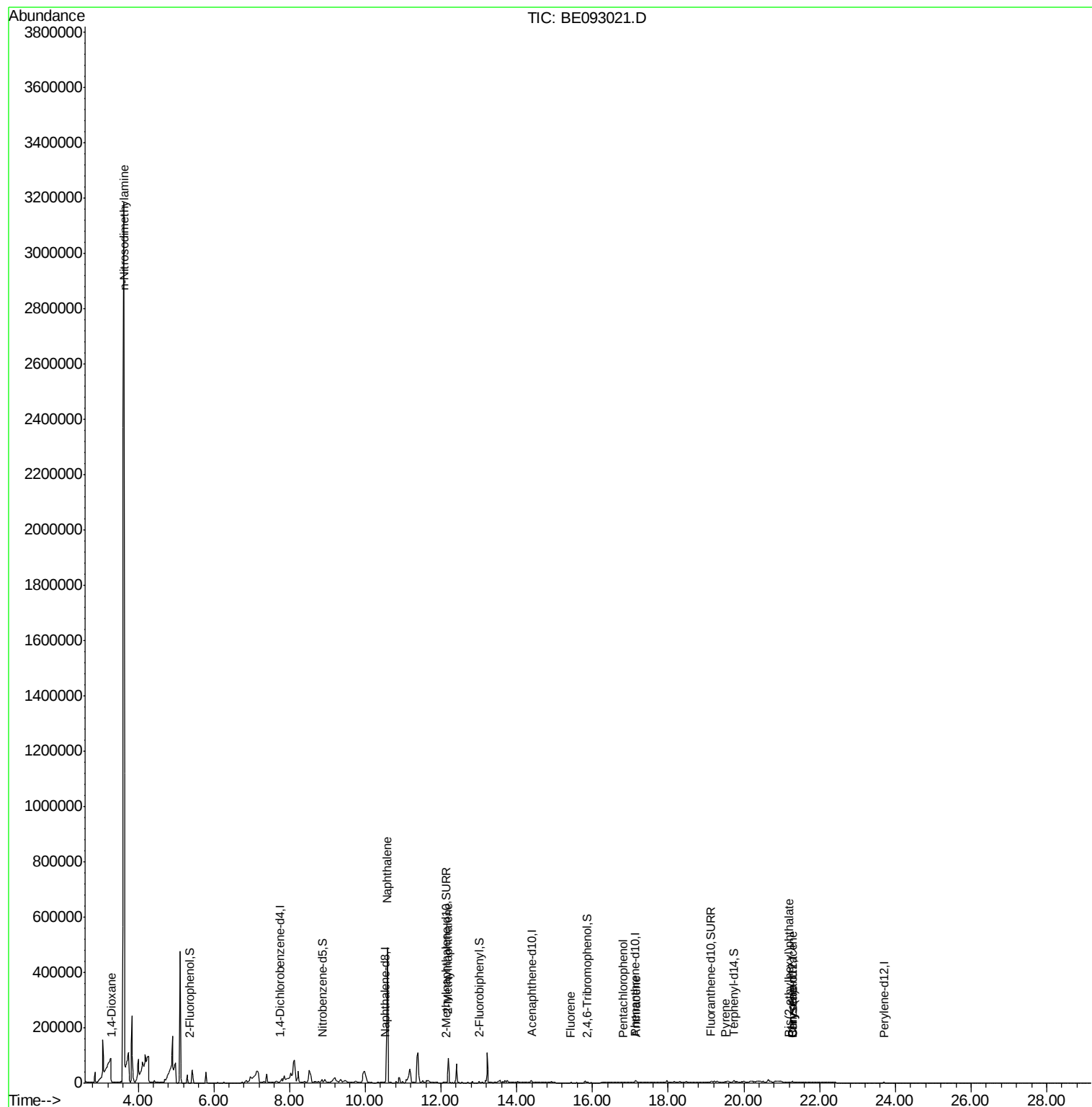
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	307	0.15	ng	# 1
3) n-Nitrosodimethylamine	3.63	42	444639	261.64	ng	# 1
9) Naphthalene	10.58	128	676564	67.02	ng	# 95
12) 2-Methylnaphthalene	12.19	142	61200	10.34	ng	100
18) Fluorene	15.43	166	1508	0.05	ng	# 83
21) Hexachlorobenzene	16.47	284	17	Below Cal		# 100
22) Pentachlorophenol	16.82	266	24	0.11	ng	# 87
23) Phenanthrene	17.16	178	615	Below Cal		# 60
24) Anthracene	17.16	178	982	0.09	ng	# 61
28) Pyrene	19.51	202	2380	0.03	ng	# 61
30) Benzo(a)anthracene	21.30	228	527	0.04	ng	# 1
31) Chrysene	21.30	228	644	0.04	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.20	149	2043	0.40	ng	# 76

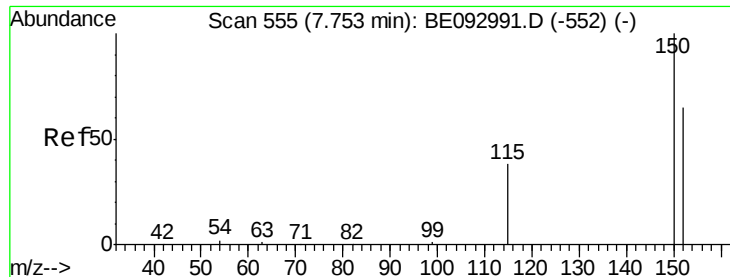
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

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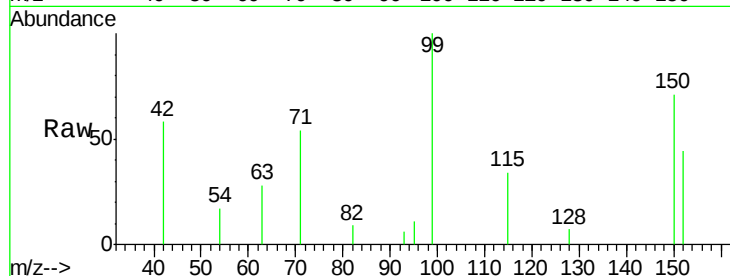
Tgt Ion: 152 Resp: 988

Ion Ratio Lower Upper

152 100

150 160.9 125.1 187.7

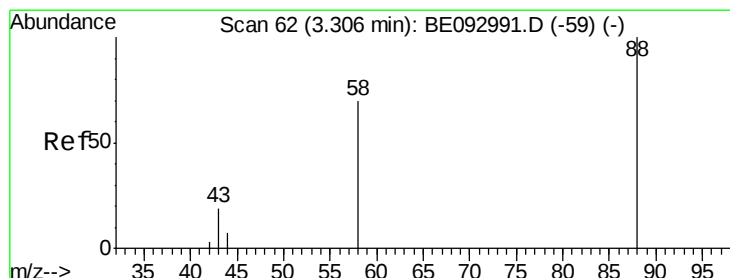
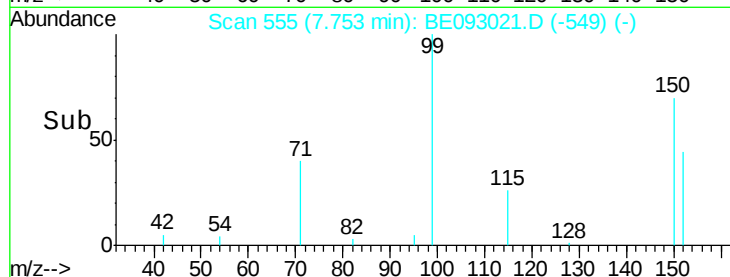
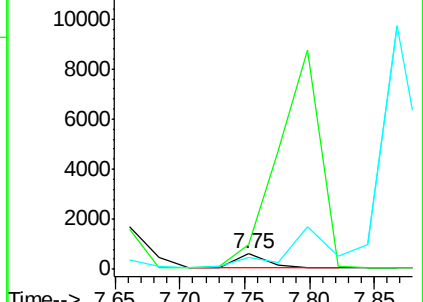
115 77.5 55.7 83.5



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: 0.15 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

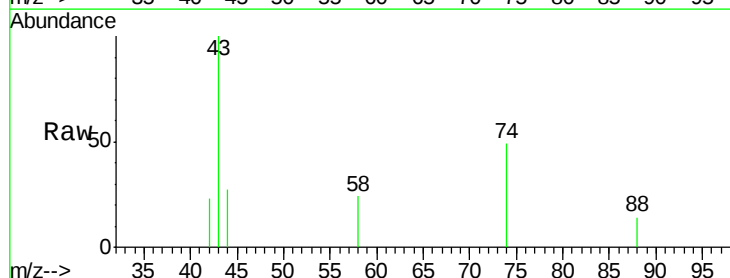
Tgt Ion: 88 Resp: 307

Ion Ratio Lower Upper

88 100

58 94.1 62.2 93.4#

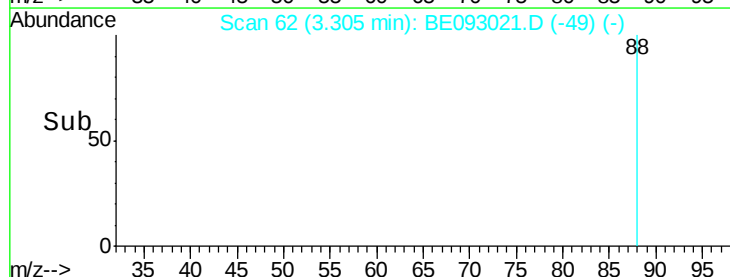
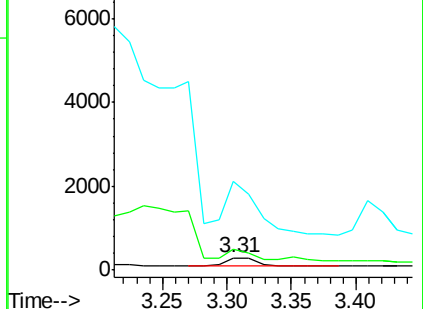
43 653.1 23.2 34.8#

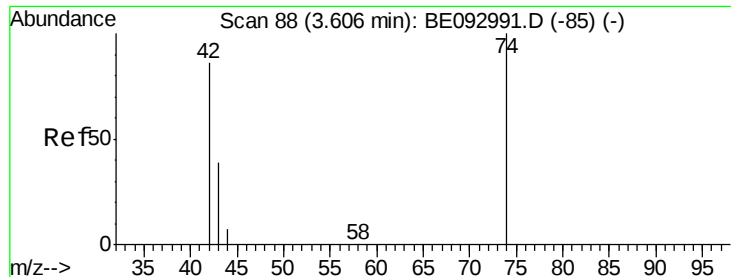


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 261.64 ng

RT: 3.63 min Scan# 90

Delta R.T. 0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

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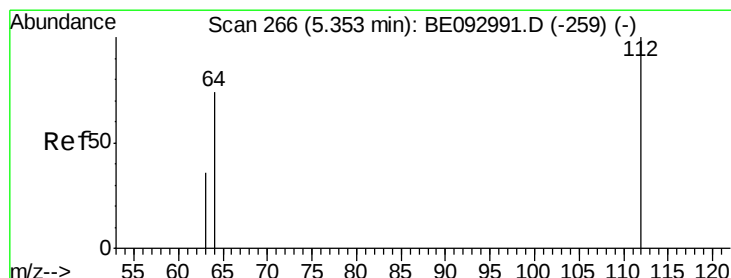
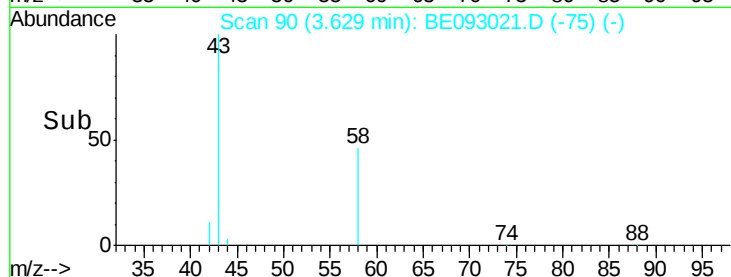
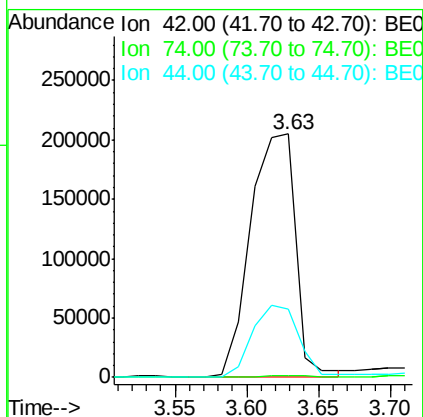
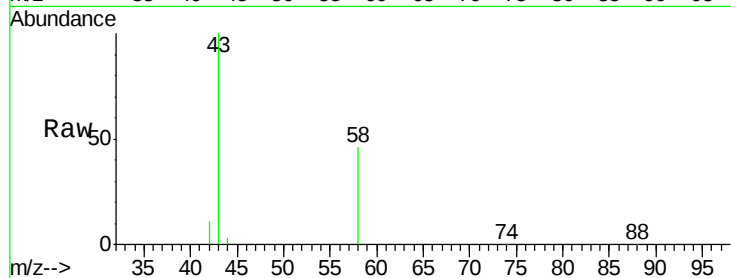
Tgt Ion: 42 Resp: 444639

Ion Ratio Lower Upper

42 100

74 0.7 99.1 148.7#

44 0.0 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.25 ng

RT: 5.37 min Scan# 268

Delta R.T. 0.01 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

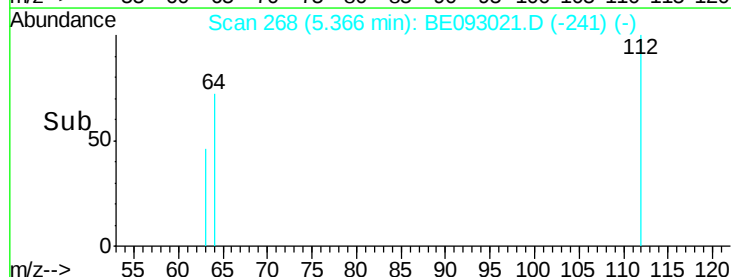
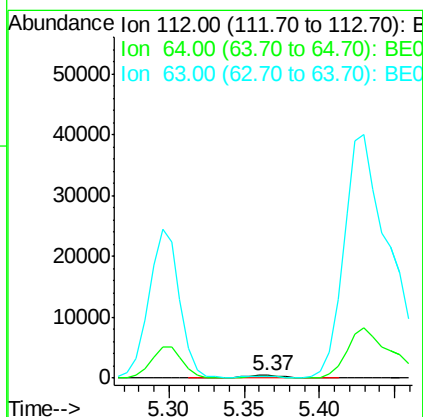
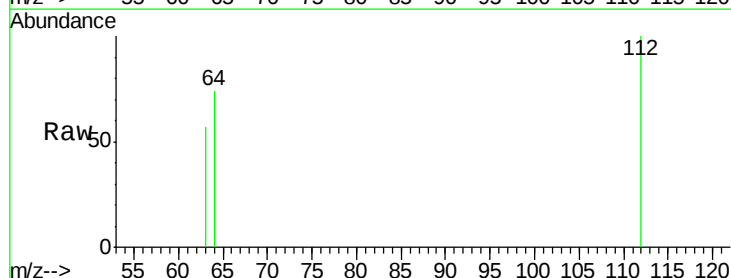
Tgt Ion: 112 Resp: 682

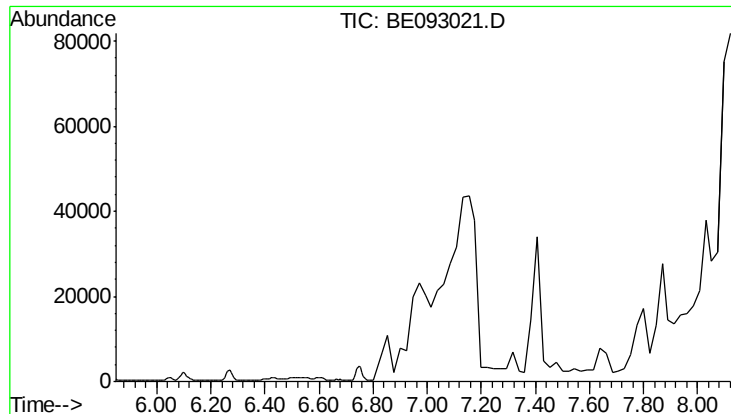
Ion Ratio Lower Upper

112 100

64 0.0 56.4 84.6#

63 0.0 29.3 43.9#





#5

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.94 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

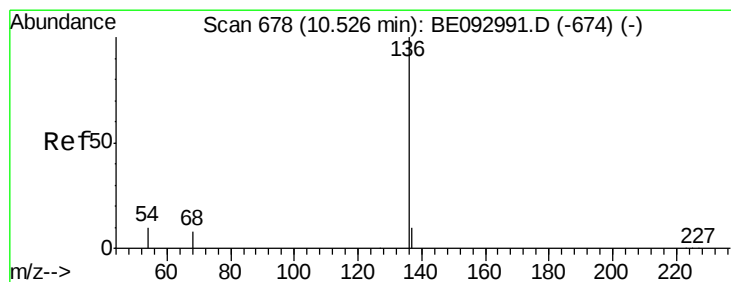
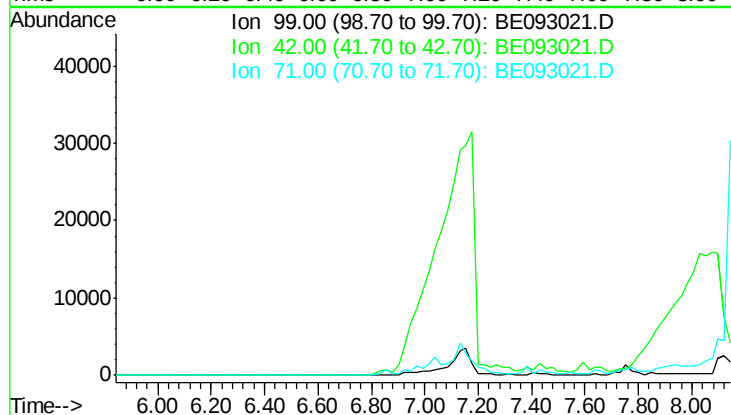
Tgt Ion: 99

Sig Exp Ratio

99 100

42 0.0

71 0.0



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Tgt Ion: 136 Resp: 3791

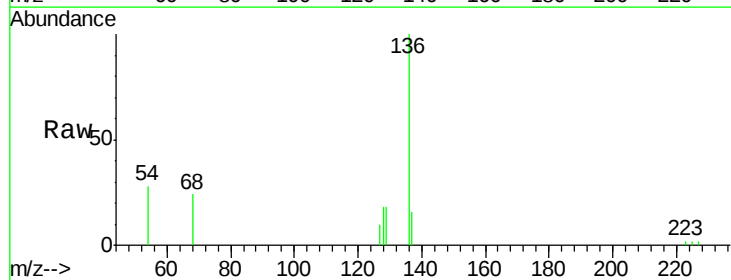
Ion Ratio Lower Upper

136 100

137 16.1 9.8 14.8#

54 27.6 10.3 15.5#

68 24.1 9.0 13.4#

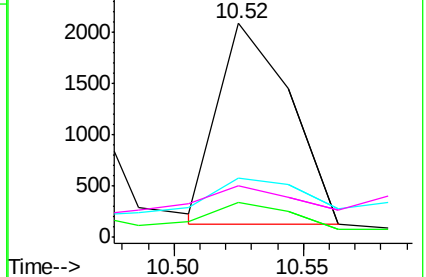
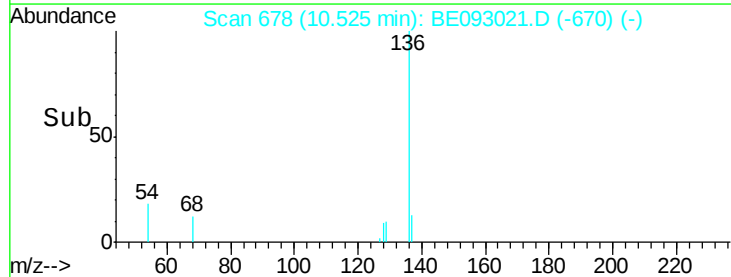


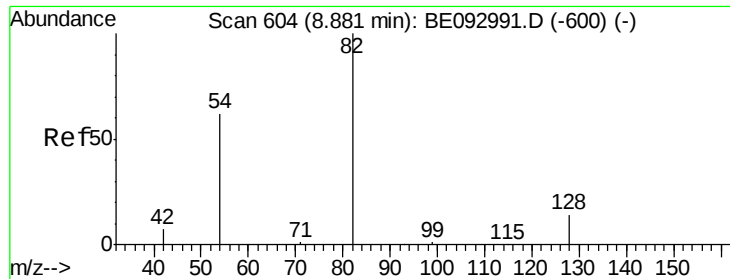
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.89 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

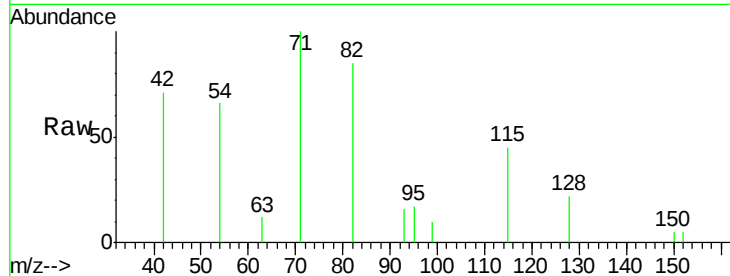
Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

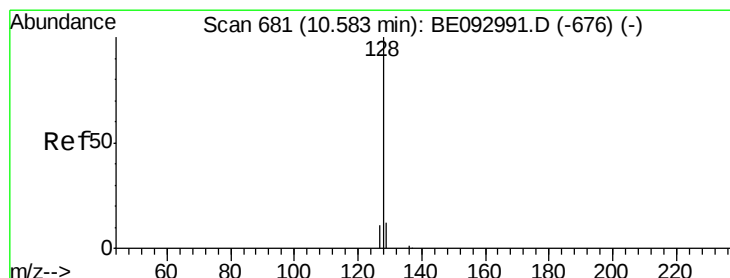
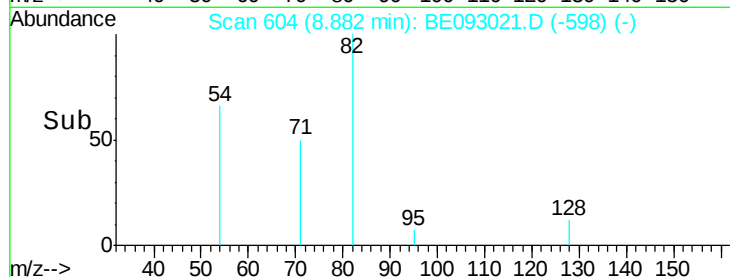
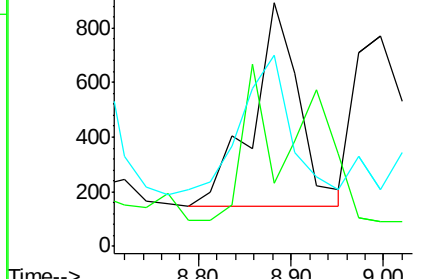
Tgt Ion:	82	Resp:	2630
Ion	Ratio	Lower	Upper
82	100		
128	25.7	17.0	25.4#
54	78.4	53.8	80.6



Abundance Ion 82.00 (81.70 to 82.70): BE092991.D (-600) (-)

Ion 128.00 (127.70 to 128.70): BE092991.D (-600) (-)

Ion 54.00 (53.70 to 54.70): BE092991.D (-600) (-)



#9

Naphthalene

Concen: 67.02 ng

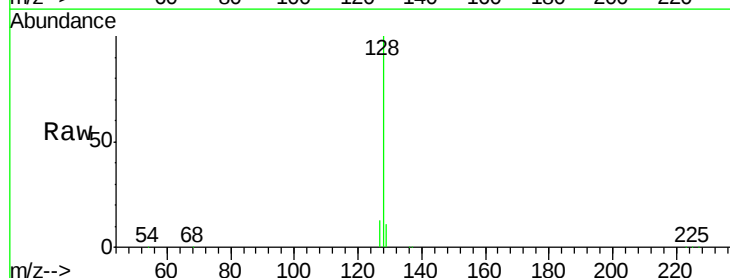
RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

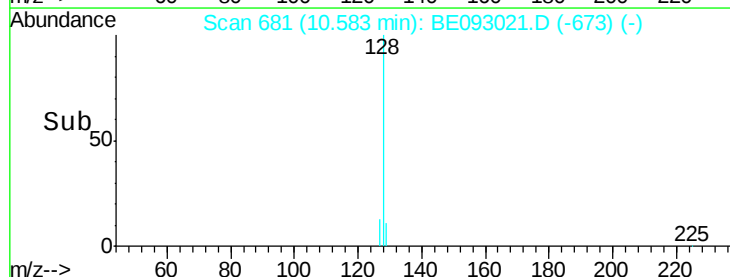
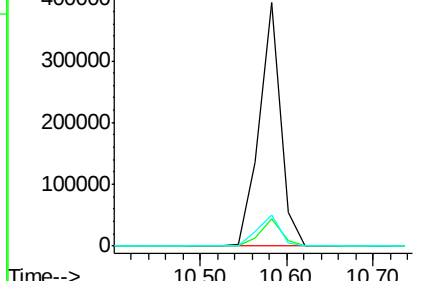
Tgt Ion:	128	Resp:	676564
Ion	Ratio	Lower	Upper
128	100		
129	11.2	11.4	17.0#
127	13.0	11.2	16.8

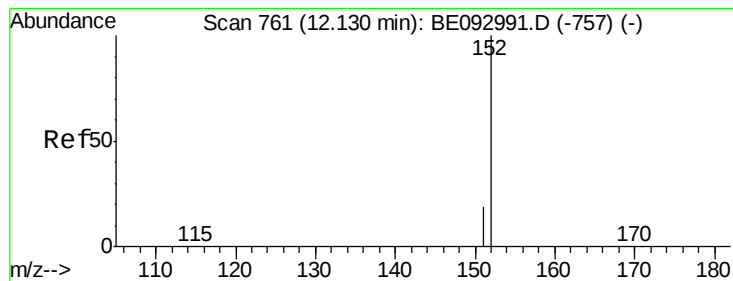


Abundance Ion 128.00 (127.70 to 128.70): BE092991.D (-676) (-)

Ion 129.00 (128.70 to 129.70): BE092991.D (-676) (-)

Ion 127.00 (126.70 to 127.70): BE092991.D (-676) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.39 ng

RT: 12.13 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

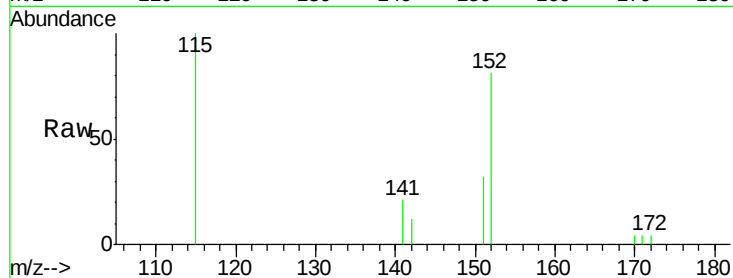
LF001MW001-170509

Tgt Ion:152 Resp: 2081

Ion Ratio Lower Upper

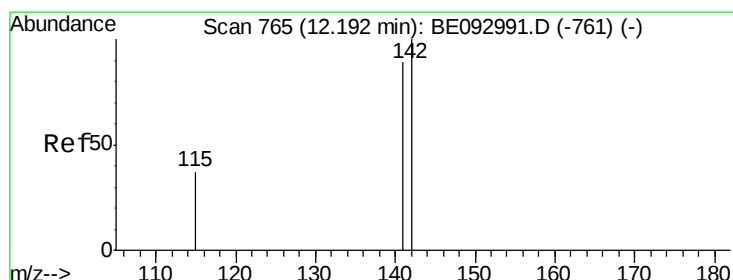
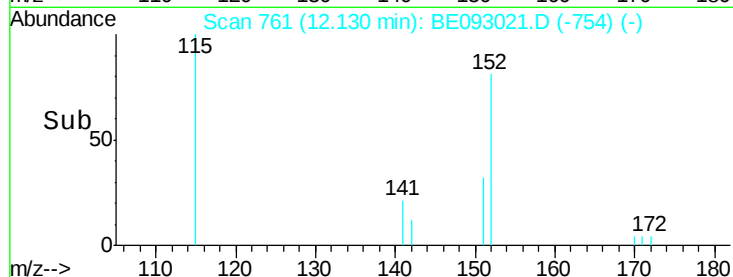
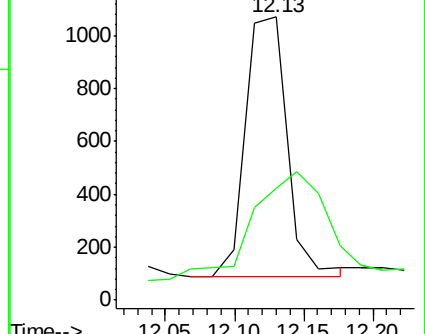
152 100

151 75.3 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 10.34 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

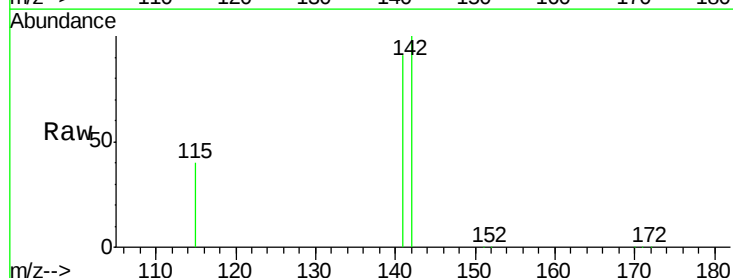
Tgt Ion:142 Resp: 61200

Ion Ratio Lower Upper

142 100

141 90.9 72.6 108.8

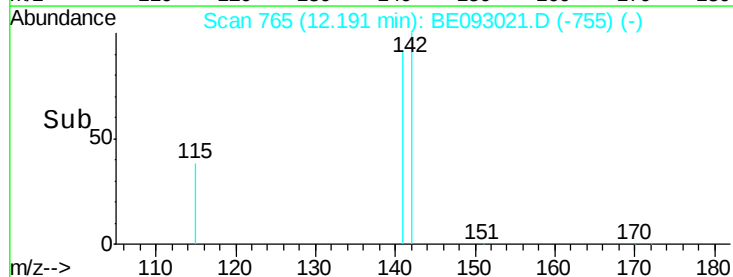
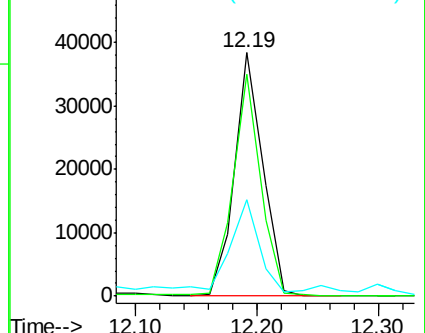
115 39.7 32.2 48.2

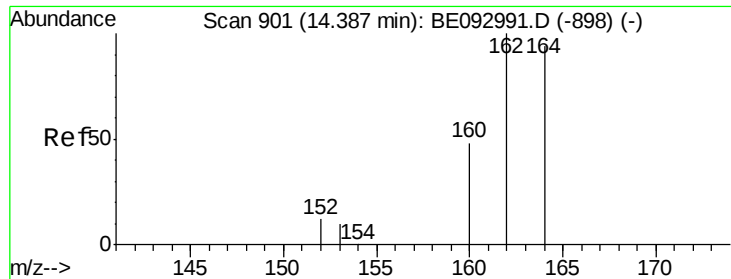


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

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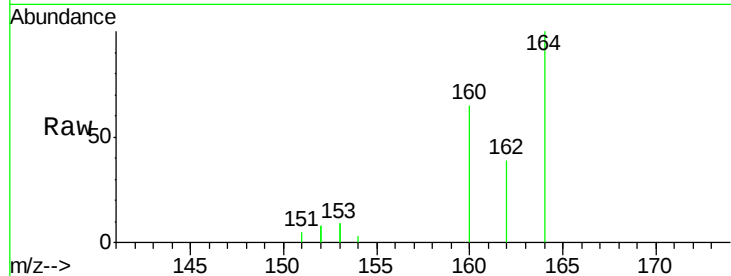
Tgt Ion:164 Resp: 8676

Ion Ratio Lower Upper

164 100

162 38.9 84.6 127.0#

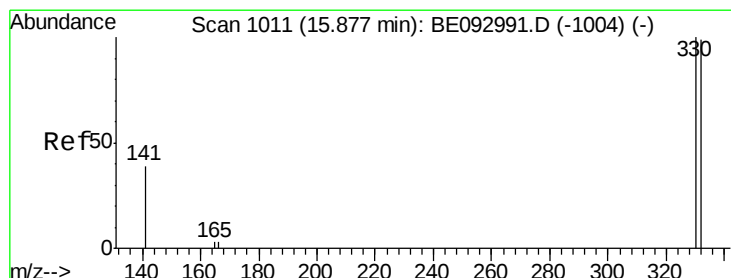
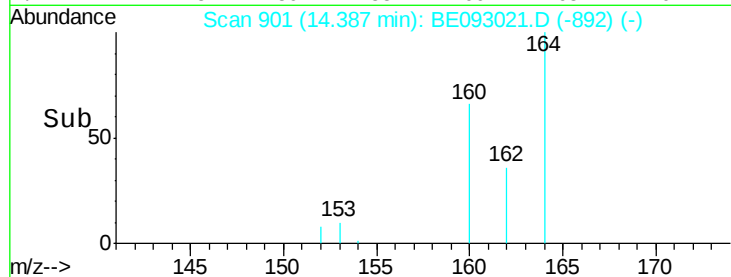
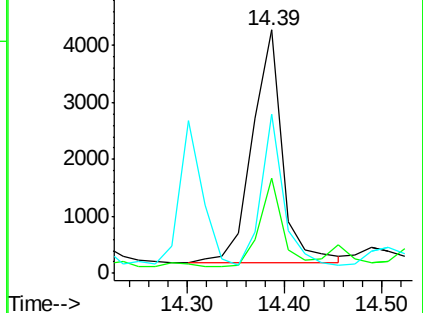
160 65.3 41.8 62.6#



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: 0.13 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

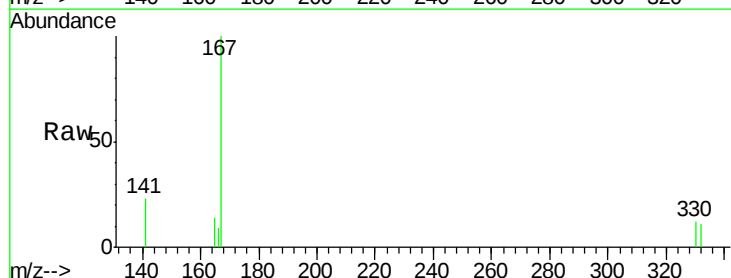
Tgt Ion:330 Resp: 314

Ion Ratio Lower Upper

330 100

332 95.2 77.7 116.5

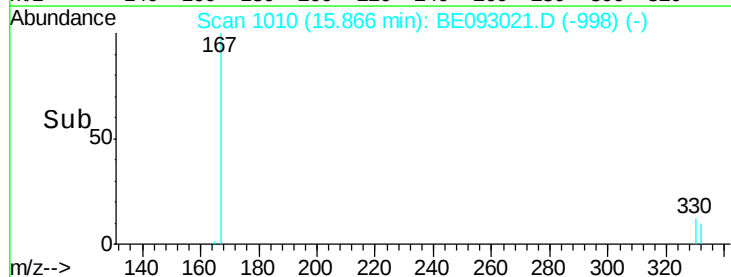
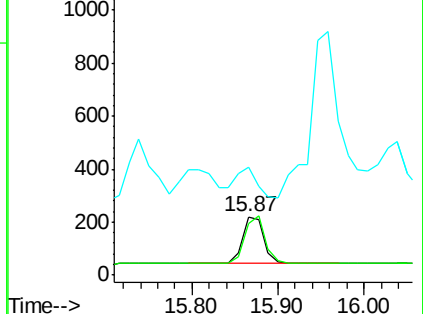
141 55.4 56.2 84.4#

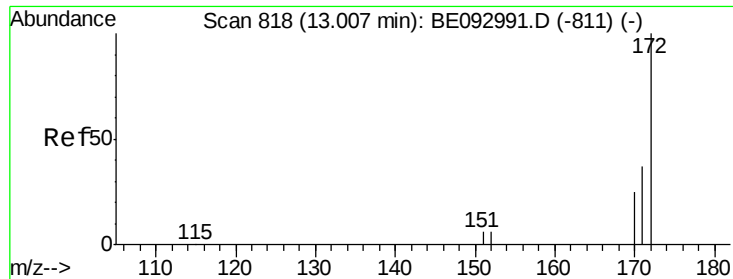


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

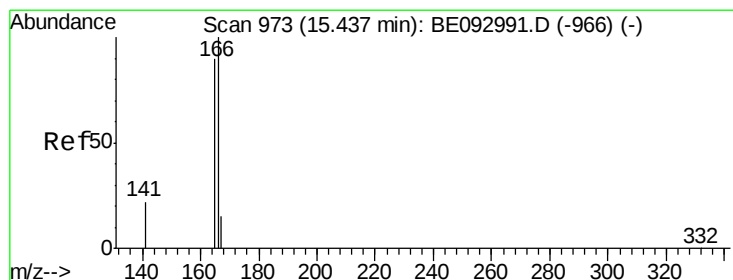
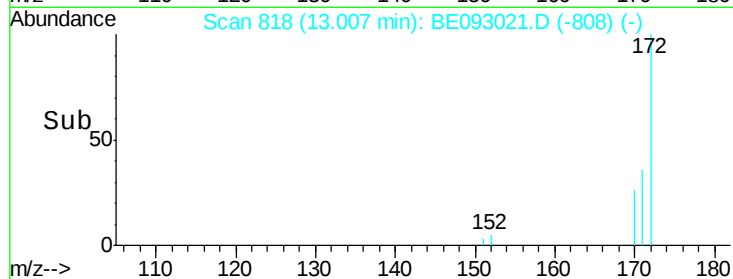
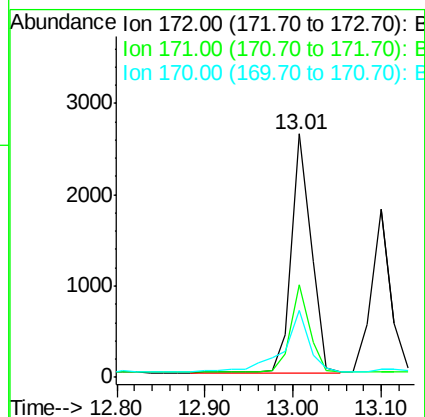
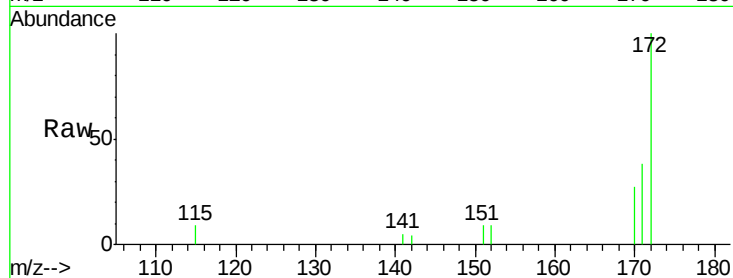




#15
2-Fluorobiphenyl
Concen: 0.12 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093021.D
Acq: 12 May 2017 17:01

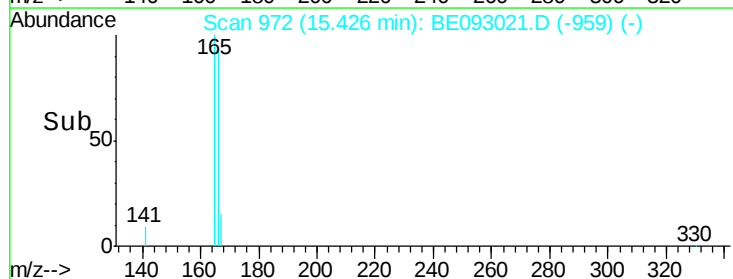
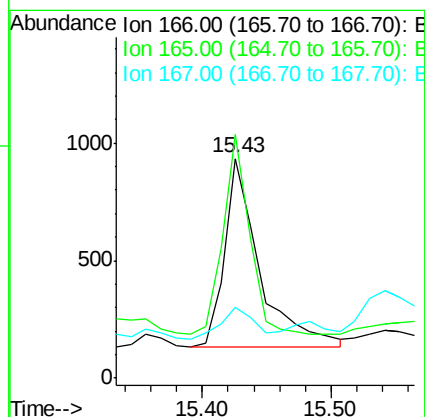
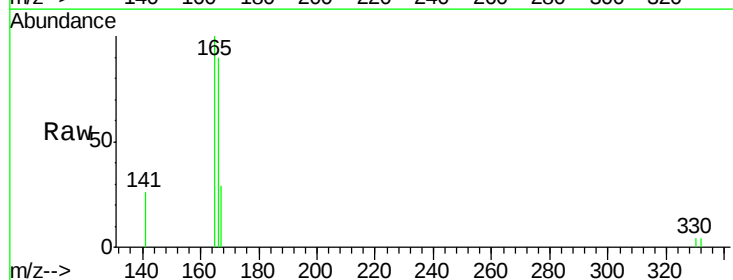
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ClientSampleId :
LF001MW001-170509

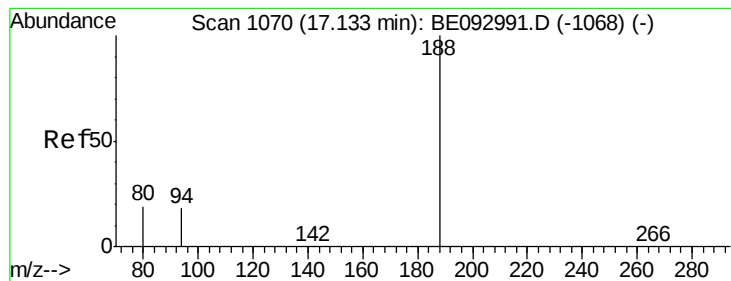
Tgt Ion:172 Resp: 3998
Ion Ratio Lower Upper
172 100
171 37.8 29.8 44.6
170 27.4 20.7 31.1



#18
Fluorene
Concen: 0.05 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093021.D
Acq: 12 May 2017 17:01

Tgt Ion:166 Resp: 1508
Ion Ratio Lower Upper
166 100
165 80.7 78.6 117.8
167 17.4 11.1 16.7#





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

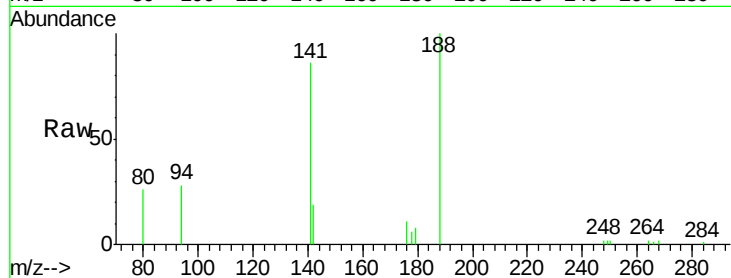
Tgt Ion:188 Resp: 5557

Ion Ratio Lower Upper

188 100

94 28.2 11.3 16.9#

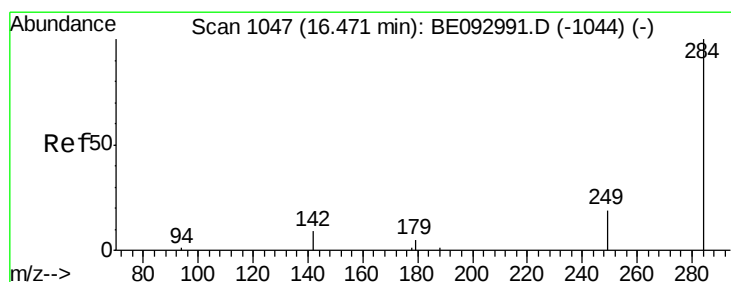
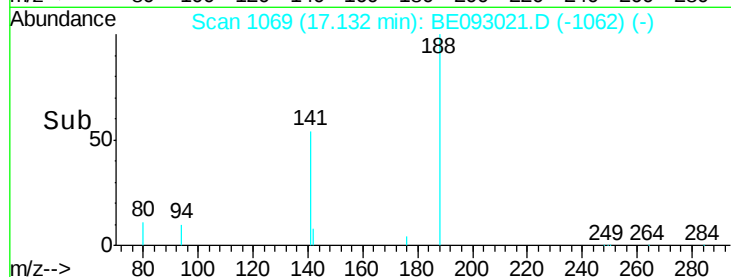
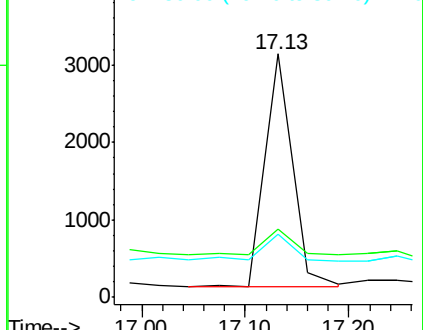
80 25.7 11.7 17.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.47 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

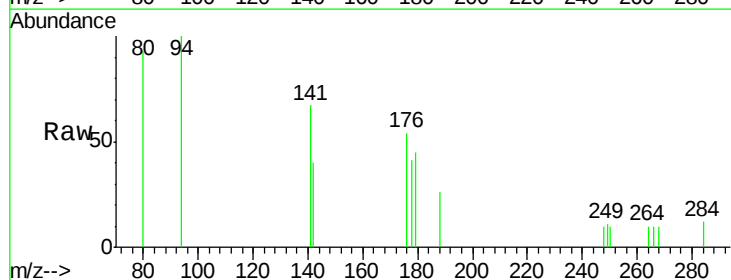
Tgt Ion:284 Resp: 17

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

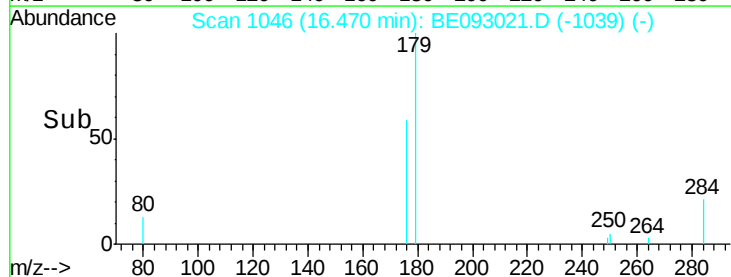
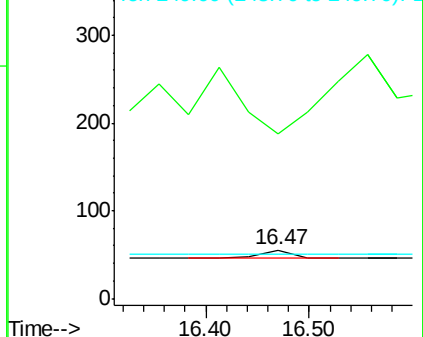
249 0.0 0.0 0.0

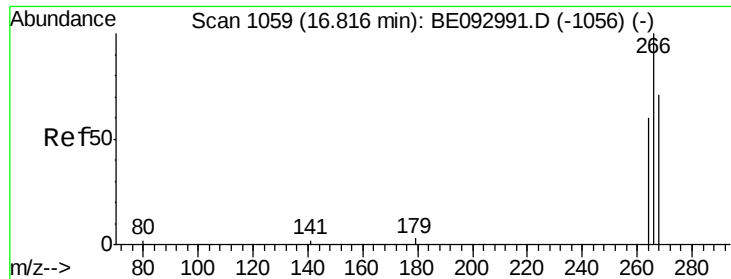


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.11 ng

RT: 16.82 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

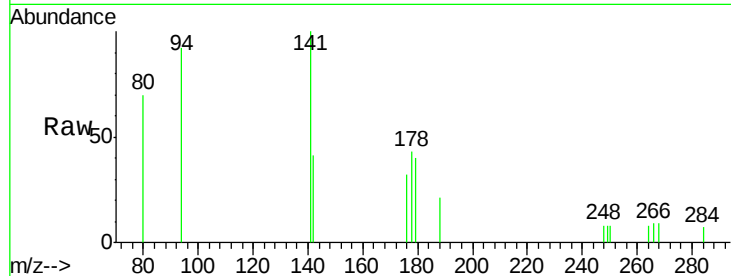
Tgt Ion: 266 Resp: 24

Ion Ratio Lower Upper

266 100

264 89.5 58.2 87.2#

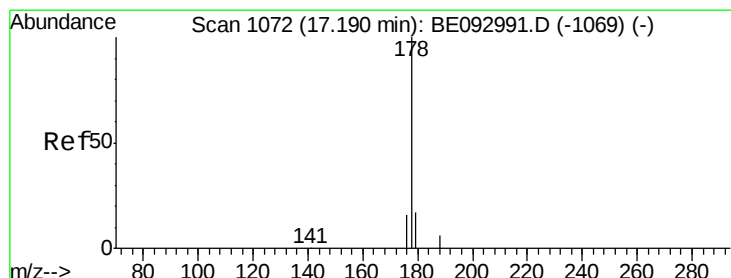
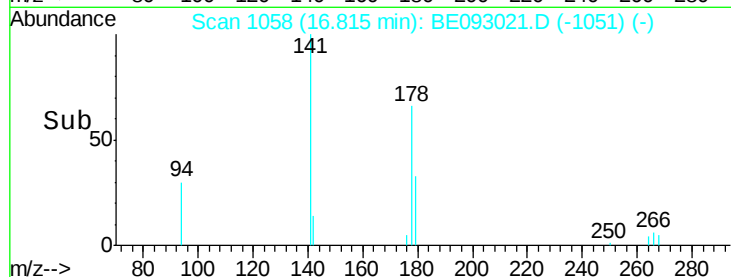
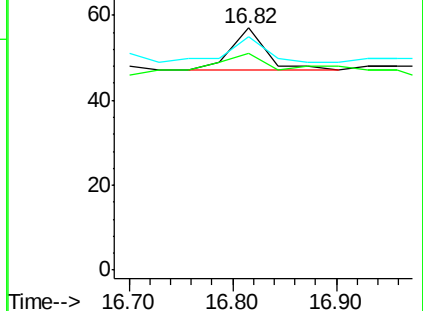
268 96.5 71.9 107.9



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: Below Cal

RT: 17.16 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

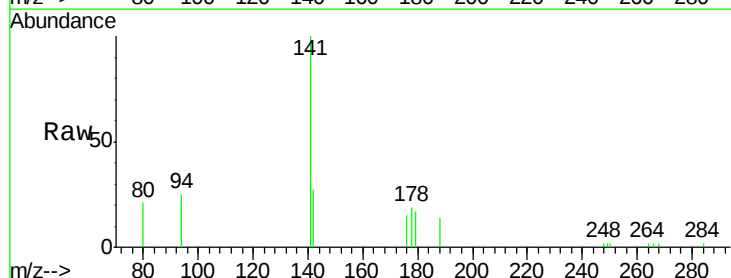
Tgt Ion: 178 Resp: 615

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

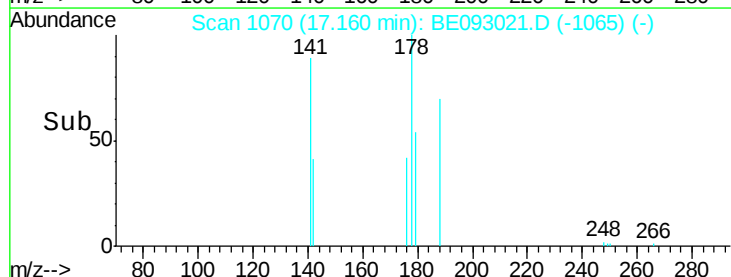
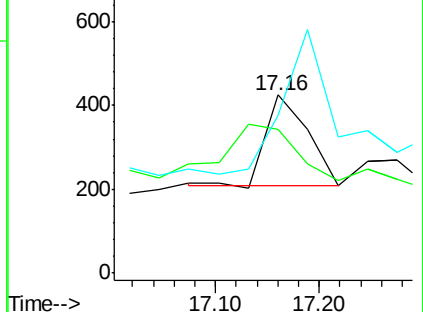
179 0.0 12.7 19.1#

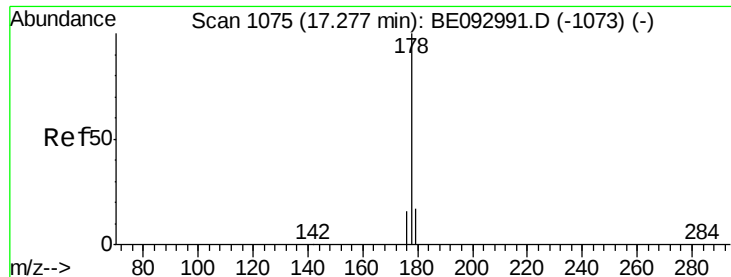


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.09 ng

RT: 17.16 min Scan# 1070

Delta R.T. -0.11 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

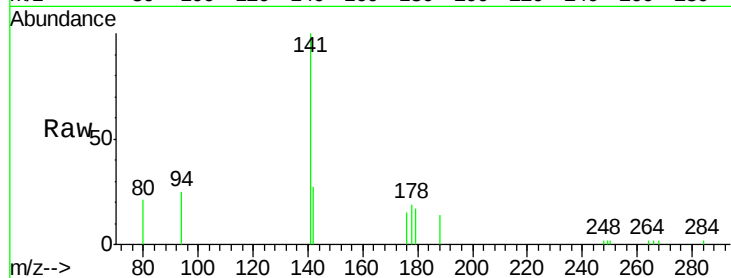
Tgt Ion:178 Resp: 982

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

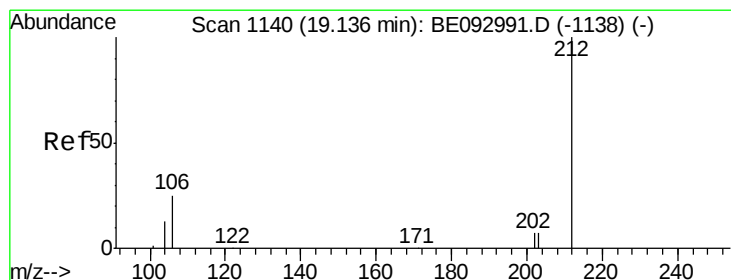
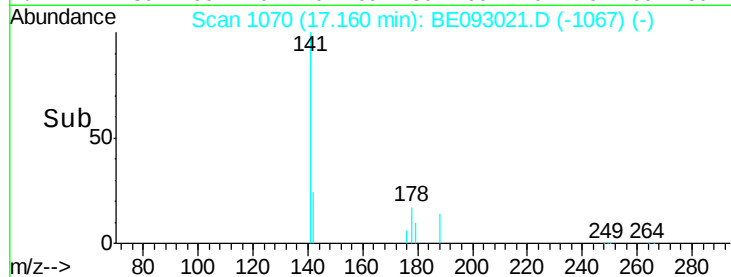
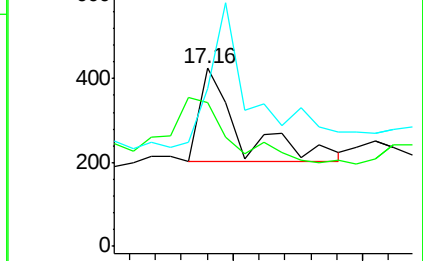
179 0.0 12.0 18.0#



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: 0.31 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

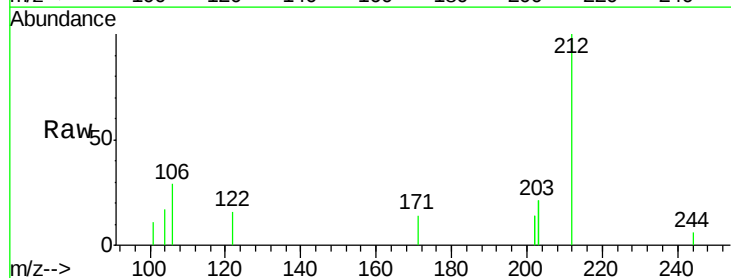
Tgt Ion:212 Resp: 4608

Ion Ratio Lower Upper

212 100

106 18.5 0.0 0.0#

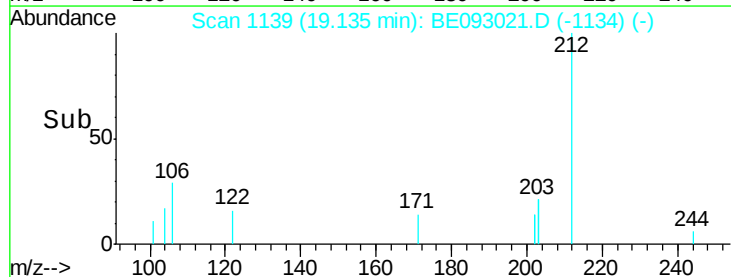
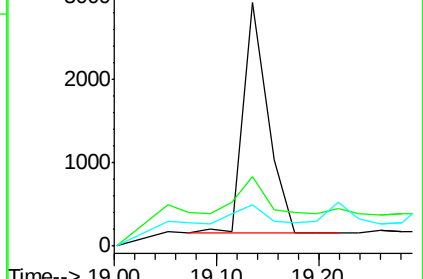
104 9.8 0.0 0.0#

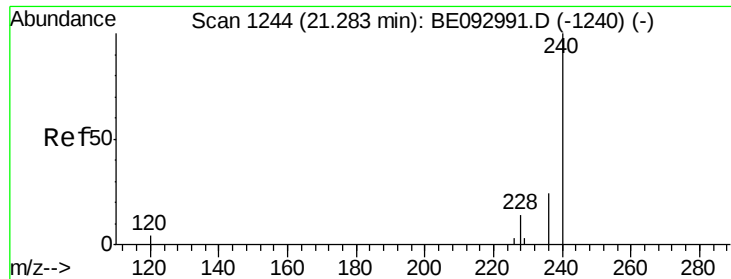


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

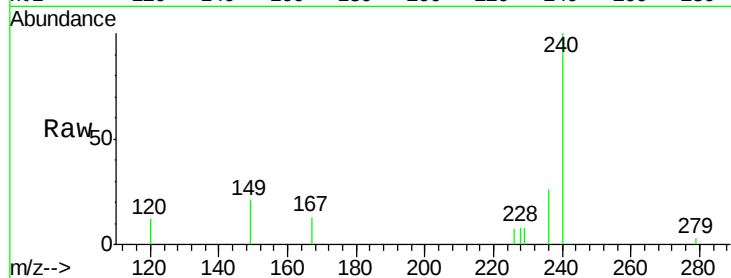
Tgt Ion:240 Resp: 5676

Ion Ratio Lower Upper

240 100

120 11.9 4.6 7.0#

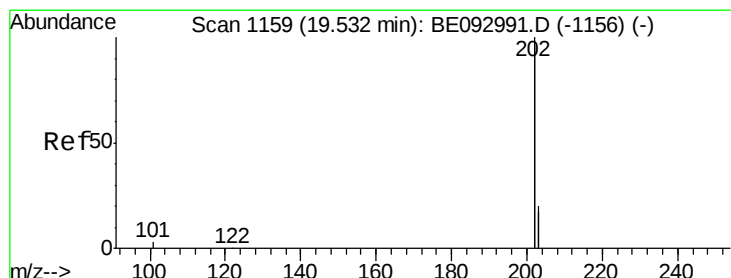
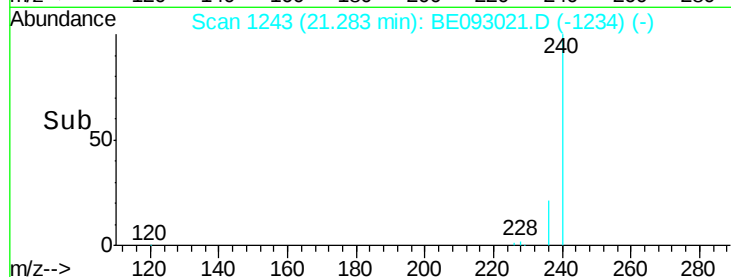
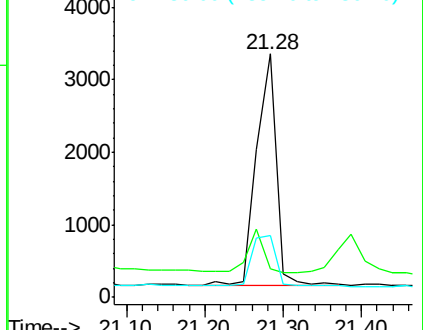
236 25.6 20.8 31.2



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: 0.03 ng

RT: 19.51 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

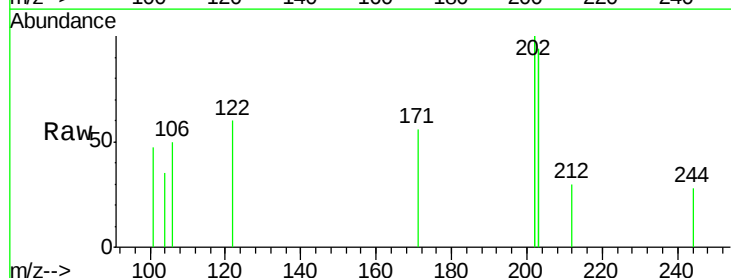
Tgt Ion:202 Resp: 2380

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

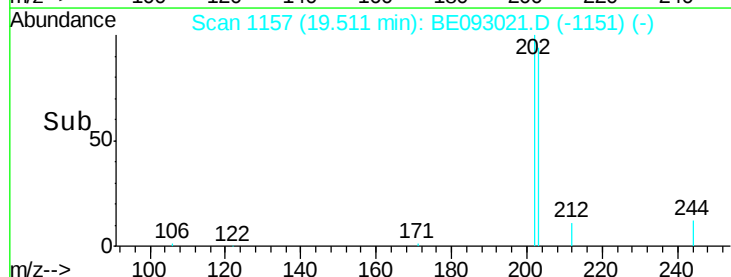
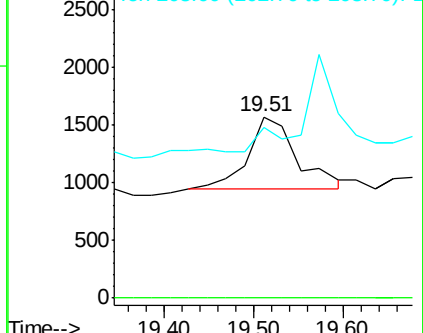
203 0.0 13.7 20.5#

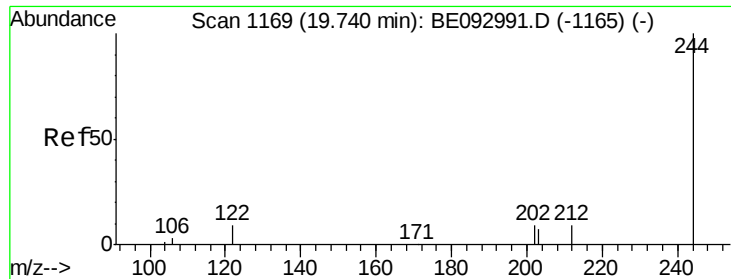


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.62 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

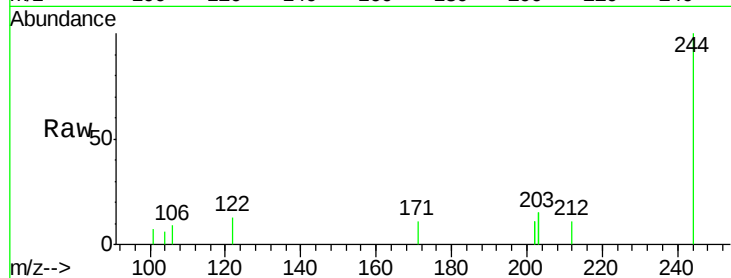
Tgt Ion:244 Resp: 6266

Ion Ratio Lower Upper

244 100

212 11.5 10.6 16.0

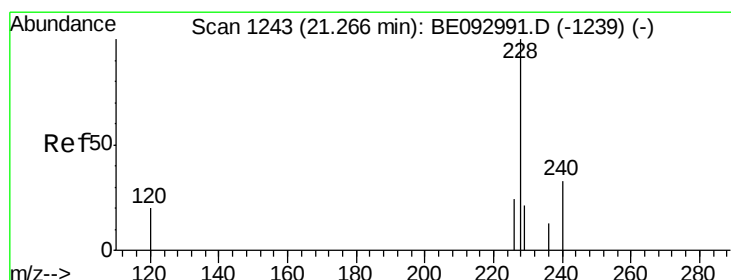
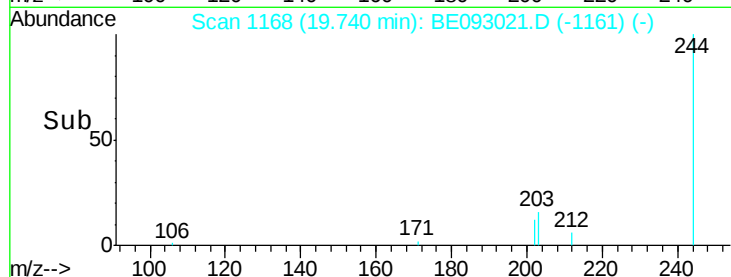
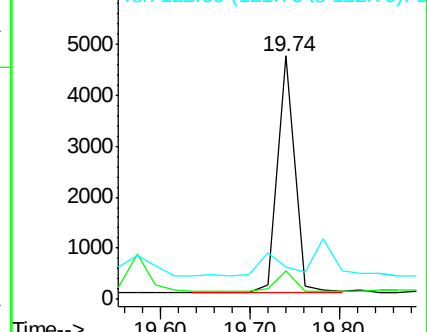
122 13.3 15.4 23.0#



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: 0.04 ng

RT: 21.30 min Scan# 1244

Delta R.T. 0.03 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

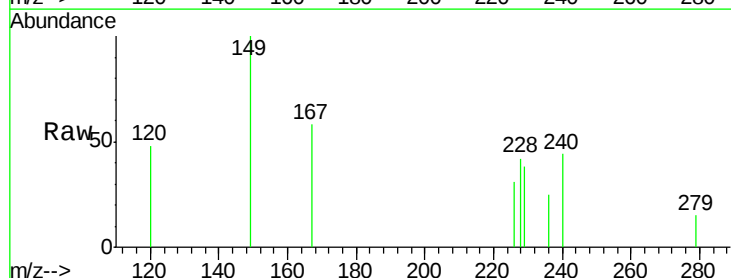
Tgt Ion:228 Resp: 527

Ion Ratio Lower Upper

228 100

226 72.7 19.7 29.5#

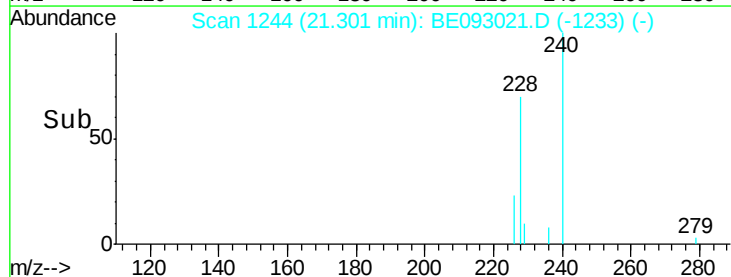
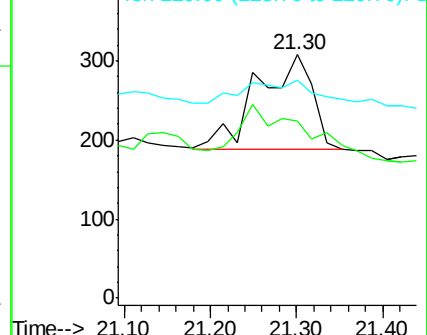
229 89.6 19.2 28.8#

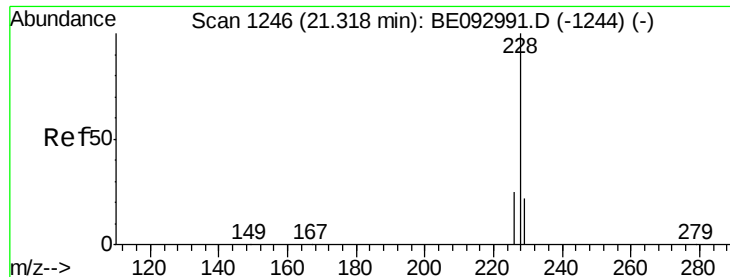


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.04 ng

RT: 21.30 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

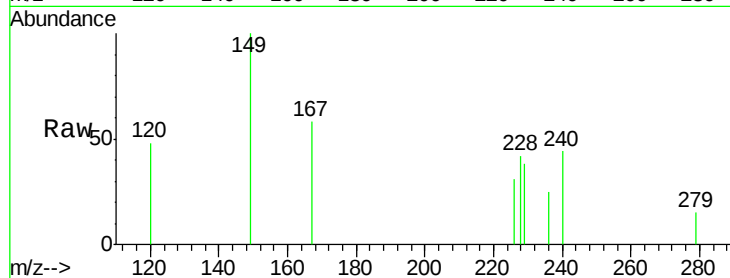
Tgt Ion:228 Resp: 644

Ion Ratio Lower Upper

228 100

226 72.7 21.5 32.3#

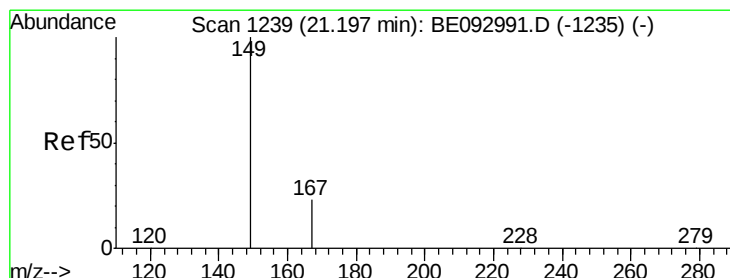
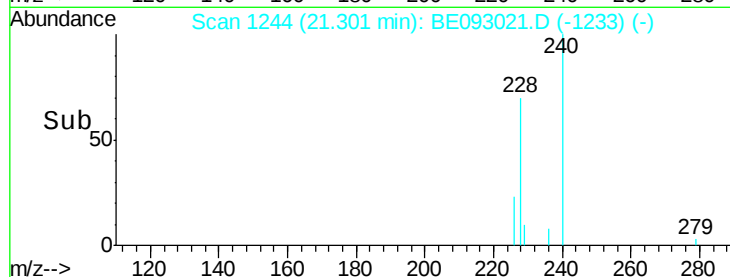
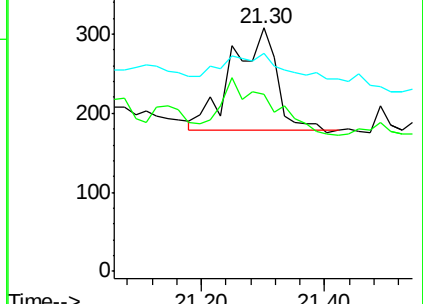
229 89.6 18.6 28.0#



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: 0.40 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

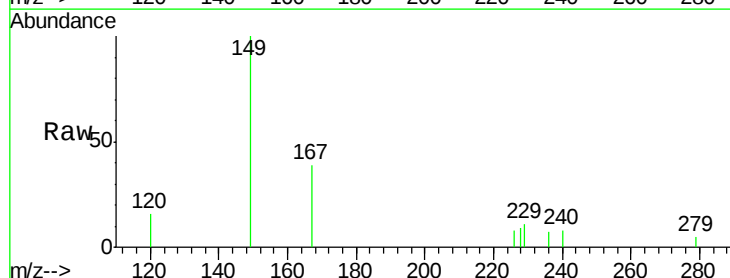
Tgt Ion:149 Resp: 2043

Ion Ratio Lower Upper

149 100

167 38.1 20.1 30.1#

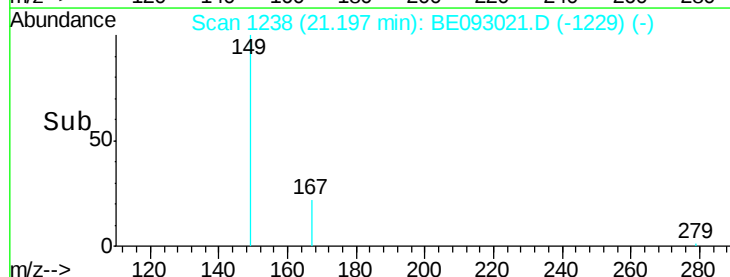
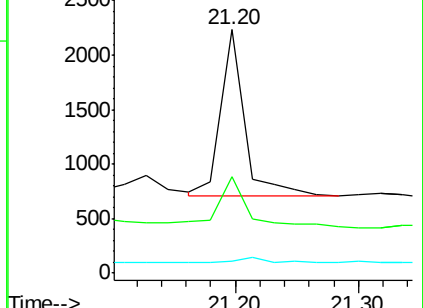
279 3.5 2.2 3.4#

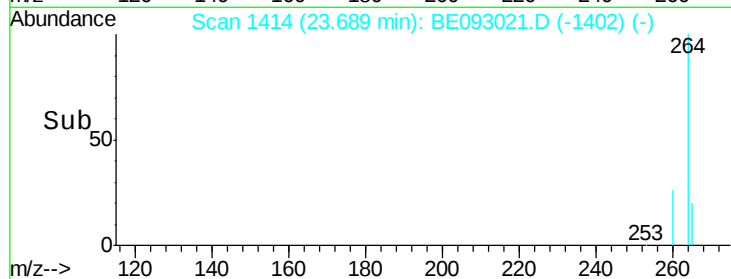
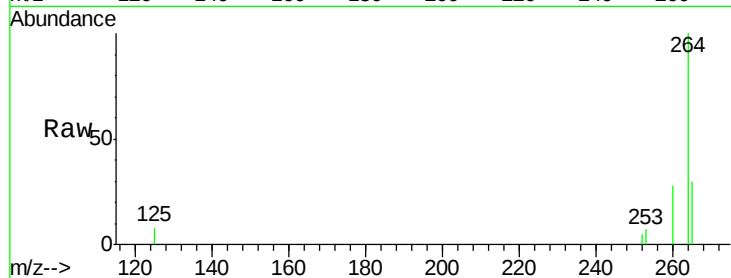
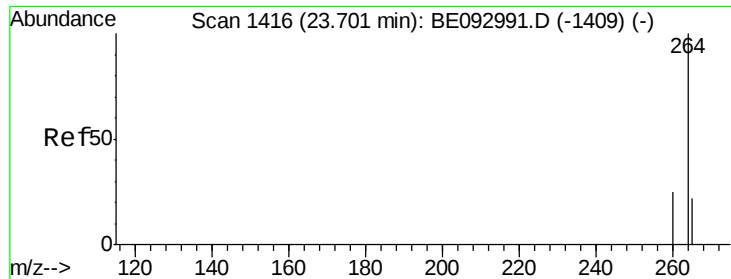


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Perylene-d12

Concen: 0.40 ng

RT: 23.69 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BE093021.D

Acq: 12 May 2017 17:01

Instrument :

BNA_E

ClientSampleId :

LF001MW001-170509

Tgt Ion: 264 Resp: 4875

Ion Ratio Lower Upper

264 100

260 28.3 21.0 31.4

265 30.2 24.6 36.8

