

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122617\
 Data File : BE095055.D
 Acq On : 26 Dec 2017 14:39
 Operator : SJ/JU
 Sample : I7004-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-1-121817

Quant Time: Dec 26 16:21:04 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6380	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	14693	0.40	ng	-0.02
13) Acenaphthene-d10	15.02	164	21314	0.40	ng	-0.05
19) Phenanthrene-d10	17.74	188	19532	0.40	ng	-0.03
27) Chrysene-d12	21.84	240	19725	0.40	ng	-0.03
34) Perylene-d12	24.49	264	17567	0.40	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.94	112	2792	0.28	ng	0.00
5) Phenol-d6	7.58	99	2610	0.18	ng	0.00
8) Nitrobenzene-d5	9.63	82	8408	0.70	ng	-0.02
11) 2-Methylnaphthalene-d10	12.84	152	10071	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	16.50	330	1628	0.33	ng	-0.03
15) 2-Fluorobiphenyl	13.68	172	16386	0.17	ng	-0.02
25) Fluoranthene-d10	19.72	212	99126	0.39	ng	-0.03
29) Terphenyl-d14	20.28	244	23769	0.64	ng	-0.03

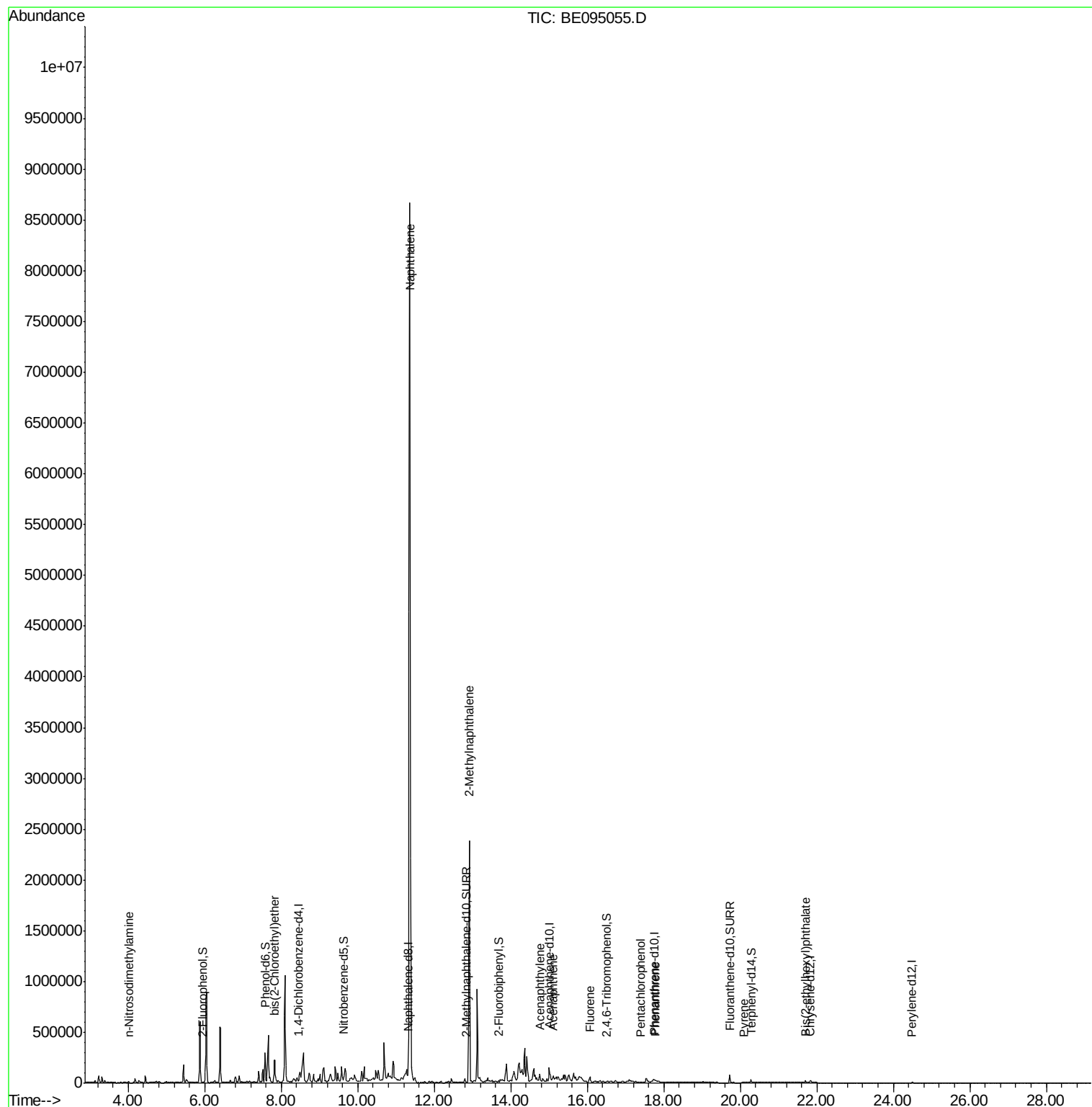
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	4.00	42	1632	0.220	ng	# 1
6) bis(2-Chloroethyl)ether	7.83	93	6898	0.480	ng	# 1
9) Naphthalene	11.36	128	14700085	85.196	ng	100
12) 2-Methylnaphthalene	12.91	142	1638584	38.068	ng	96
16) Acenaphthylene	14.76	152	10409	0.091	ng	# 10
17) Acenaphthene	15.10	154	11485	0.152	ng	# 55
18) Fluorene	16.07	166	34830	0.371	ng	# 82
22) Pentachlorophenol	17.40	266	42	0.094	ng	95
23) Phenanthrene	17.79	178	13287	0.218	ng	# 73
28) Pyrene	20.10	202	1489	0.022	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.70	149	17013	0.232	ng	99

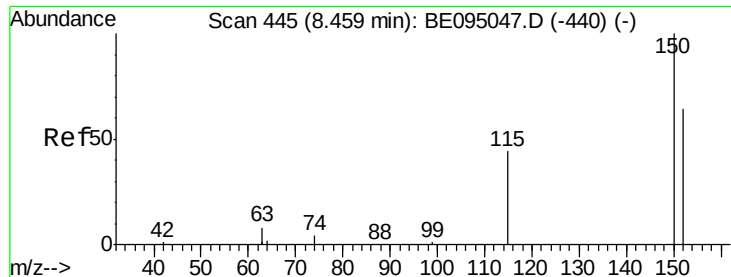
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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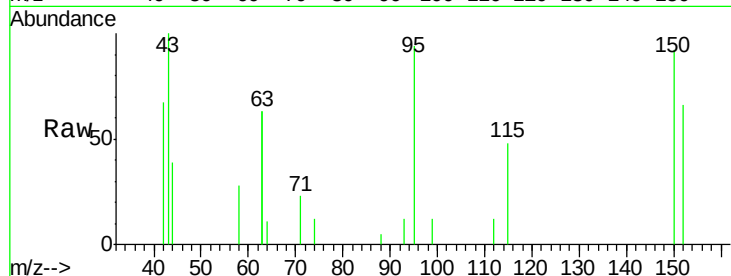


#1

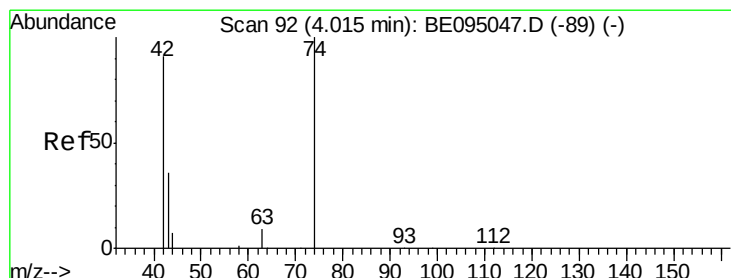
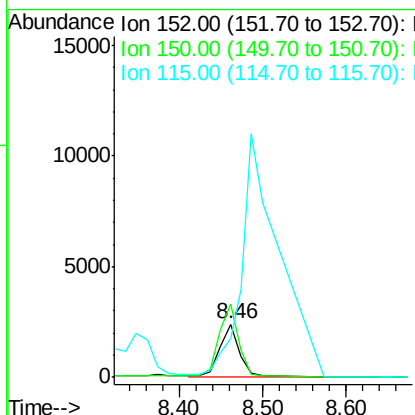
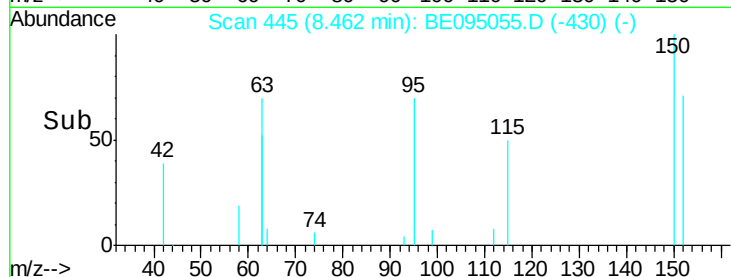
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.01 min
Lab File: BE095055.D
Acq: 26 Dec 2017 14:39

Instrument :
BNA_E
ClientSampleId :
PR-MW-1-121817

Tgt Ion:152 Resp: 6380
Ion Ratio Lower Upper
152 100
150 139.6 117.2 175.8
115 73.3 57.0 85.6



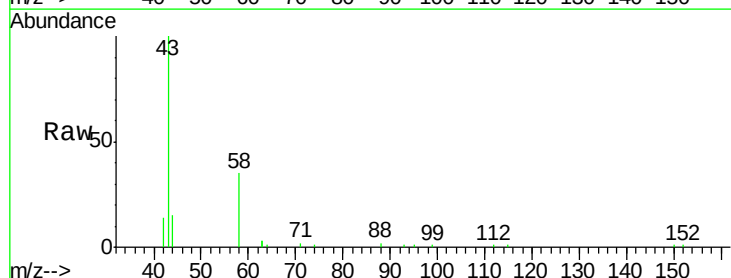
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



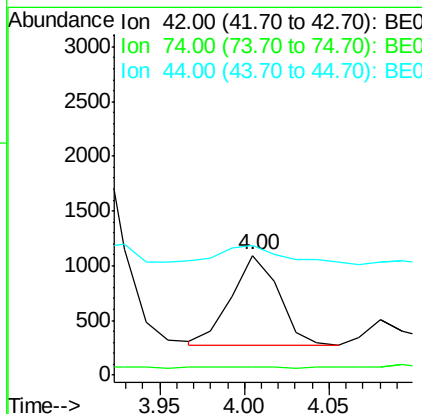
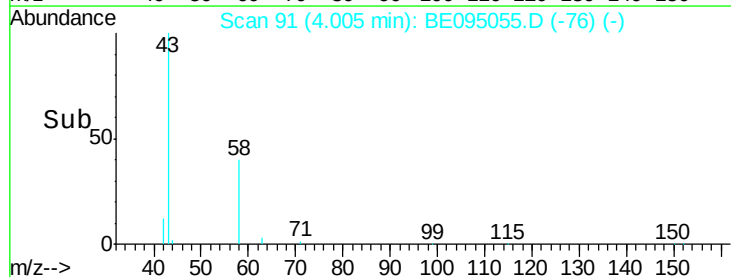
#3

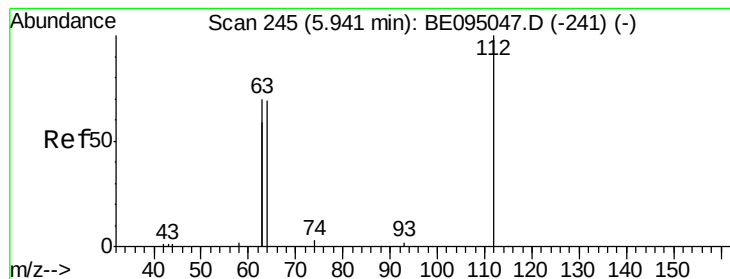
n-Nitrosodimethylamine
Concen: 0.220 ng
RT: 4.00 min Scan# 91
Delta R.T. -0.01 min
Lab File: BE095055.D
Acq: 26 Dec 2017 14:39

Tgt Ion: 42 Resp: 1632
Ion Ratio Lower Upper
42 100
74 1.2 96.0 144.0#
44 33.1 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.282 ng

RT: 5.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

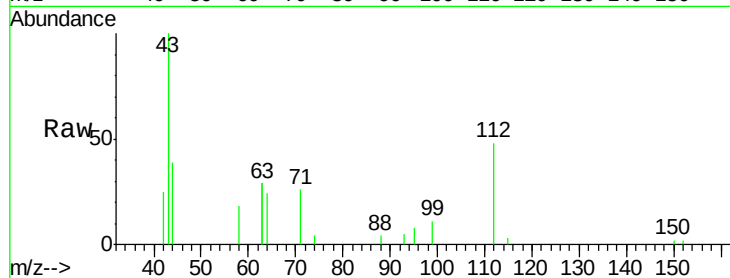
Tgt Ion: 112 Resp: 2792

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

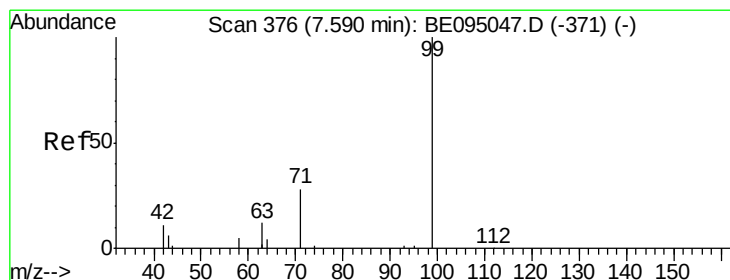
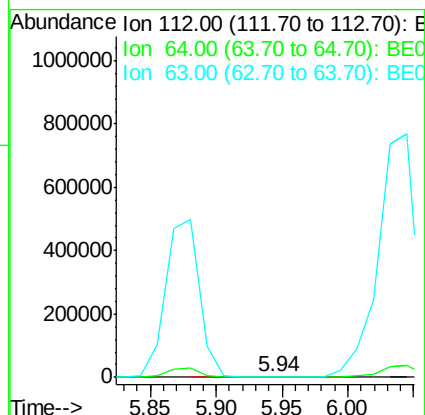
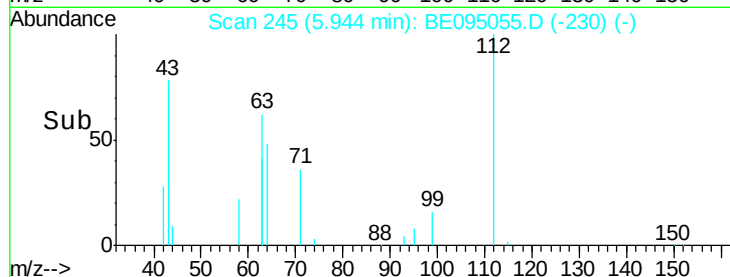
63 0.0 116.8 175.2#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.177 ng

RT: 7.58 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

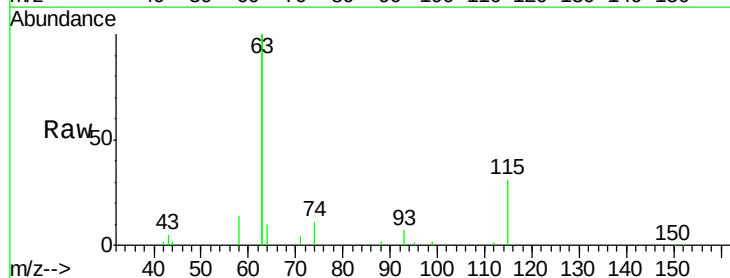
Tgt Ion: 99 Resp: 2610

Ion Ratio Lower Upper

99 100

42 140.2 20.2 30.2#

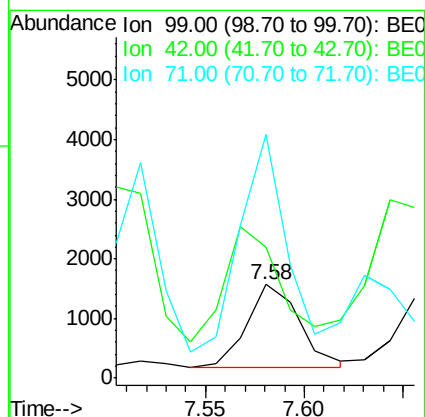
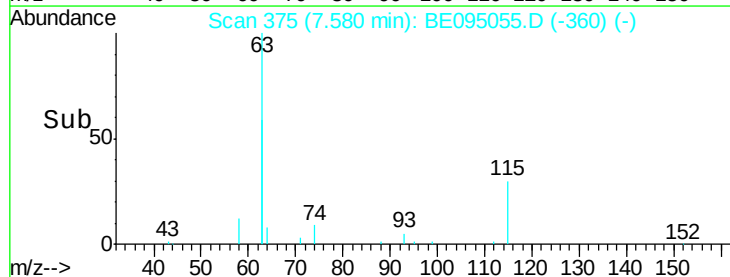
71 226.6 28.4 42.6#

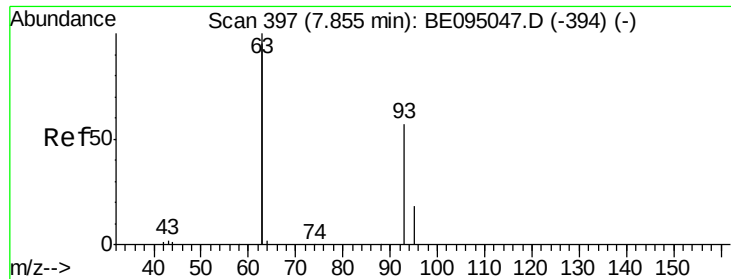


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.480 ng

RT: 7.83 min Scan# 395

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

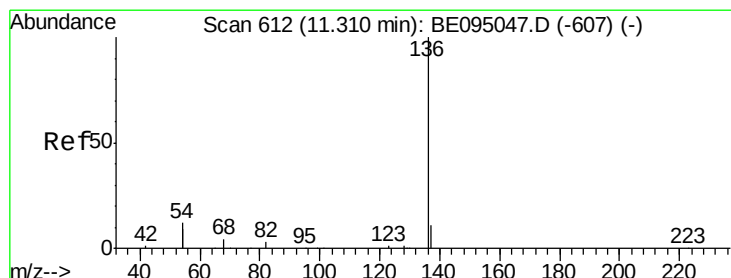
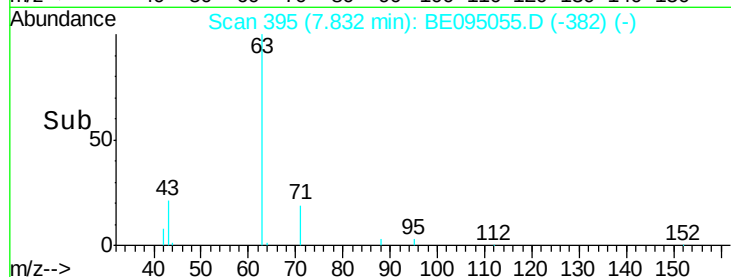
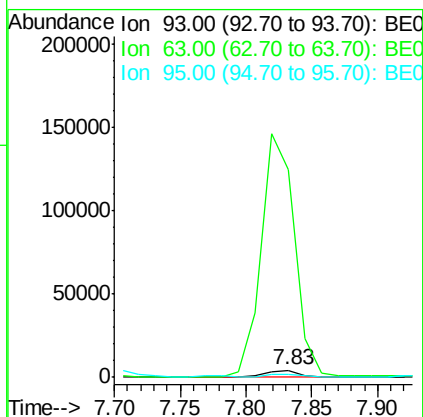
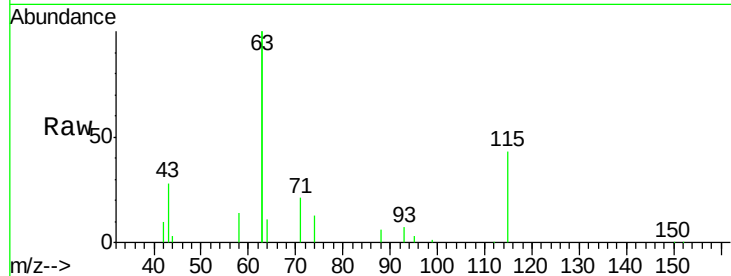
Tgt Ion: 93 Resp: 6898

Ion Ratio Lower Upper

93 100

63 3684.9 275.3 412.9#

95 58.8 25.2 37.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Tgt Ion: 136 Resp: 14693

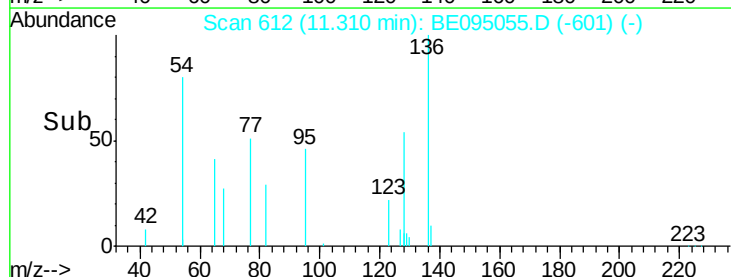
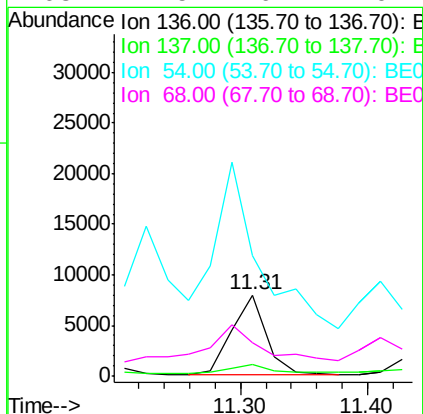
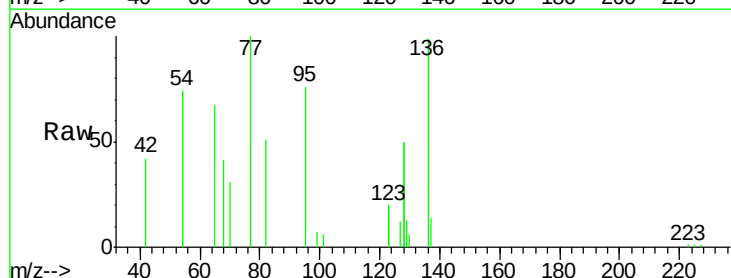
Ion Ratio Lower Upper

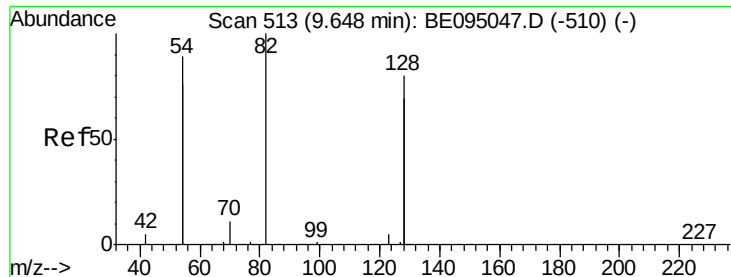
136 100

137 14.7 9.5 14.3#

54 148.9 29.1 43.7#

68 41.5 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.697 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

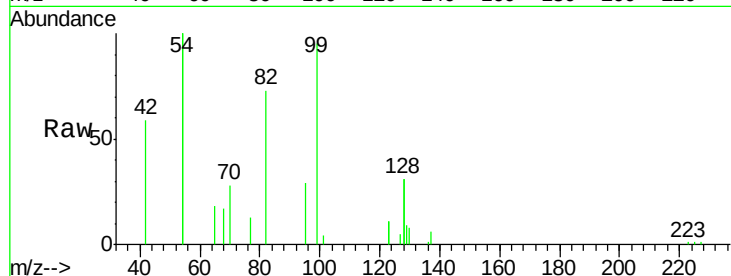
Tgt Ion: 82 Resp: 8408

Ion Ratio Lower Upper

82 100

128 85.1 150.0 225.0#

54 272.6 154.2 231.4#



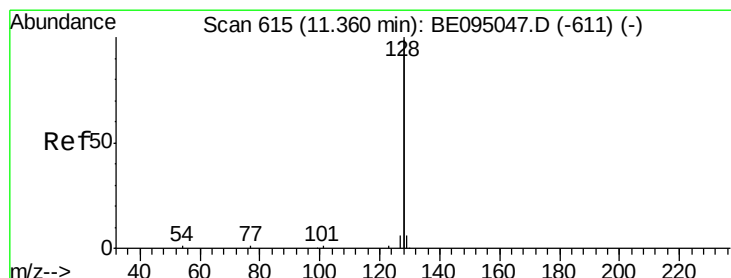
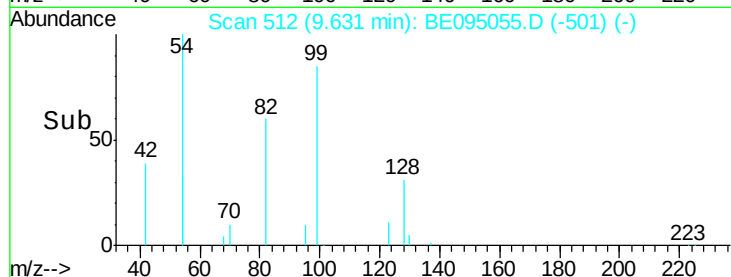
Abundance Ion 82.00 (81.70 to 82.70): BE095047.D (-510) (-)

Ion 128.00 (127.70 to 128.70): BE095047.D (-510) (-)

Ion 54.00 (53.70 to 54.70): BE095047.D (-510) (-)

Time-->

9.55 9.60 9.65 9.70 9.75



#9

Naphthalene

Concen: 85.196 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

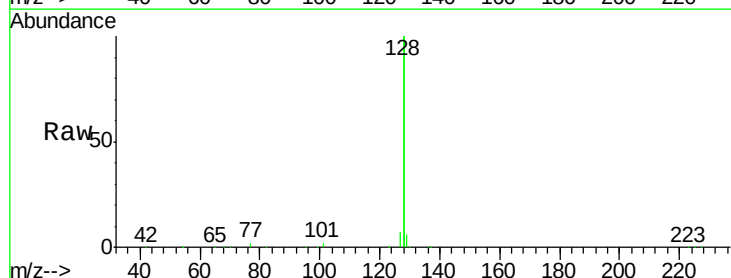
Tgt Ion: 128 Resp: 14700085

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

127 3.5 2.8 4.2



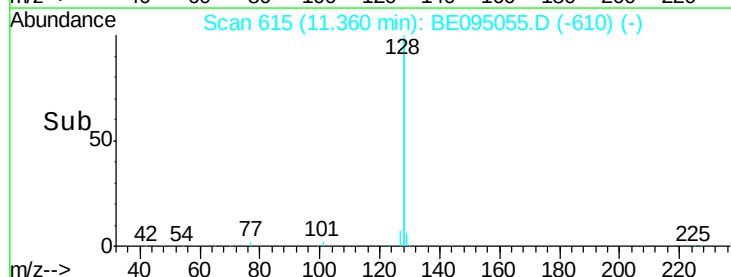
Abundance Ion 128.00 (127.70 to 128.70): BE095047.D (-611) (-)

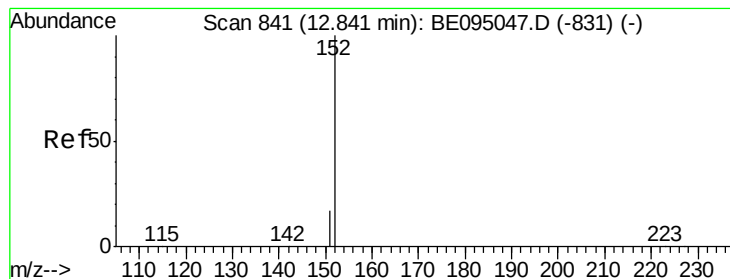
Ion 129.00 (128.70 to 129.70): BE095047.D (-611) (-)

Ion 127.00 (126.70 to 127.70): BE095047.D (-611) (-)

Time-->

11.30 11.40





#11

2-Methylnaphthalene-d10

Concen: 0.418 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

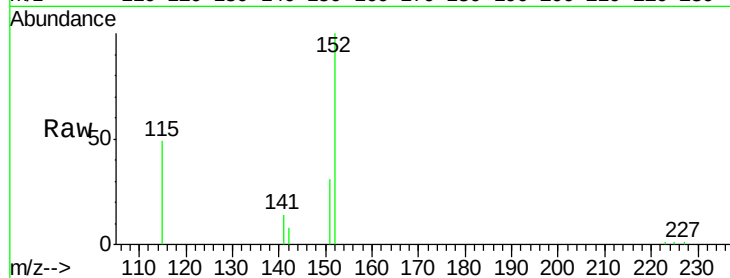
PR-MW-1-121817

Tgt Ion:152 Resp: 10071

Ion Ratio Lower Upper

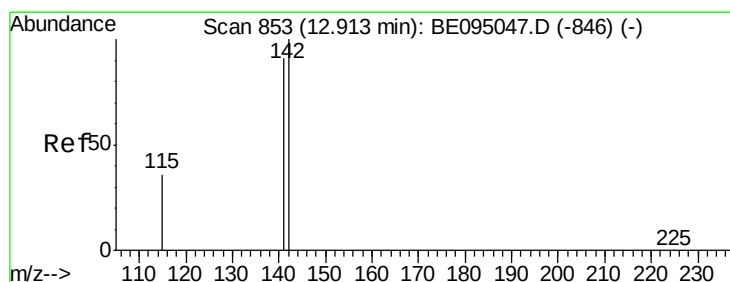
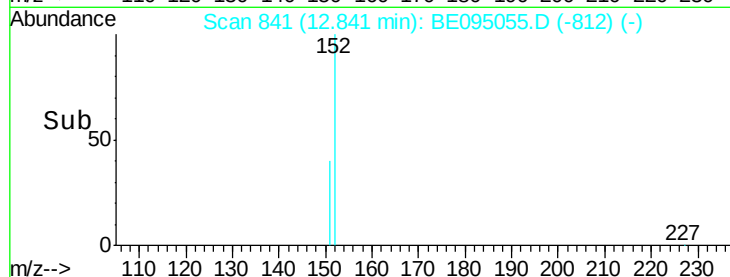
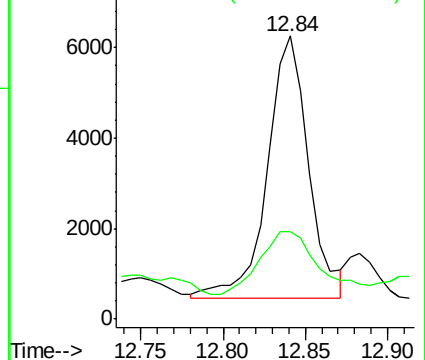
152 100

151 38.6 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 38.068 ng

RT: 12.91 min Scan# 853

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

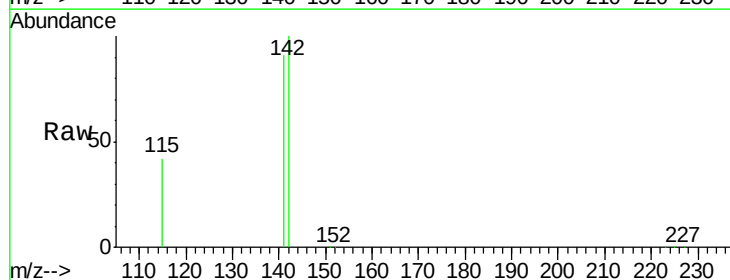
Tgt Ion:142 Resp: 1638584

Ion Ratio Lower Upper

142 100

141 91.3 70.4 105.6

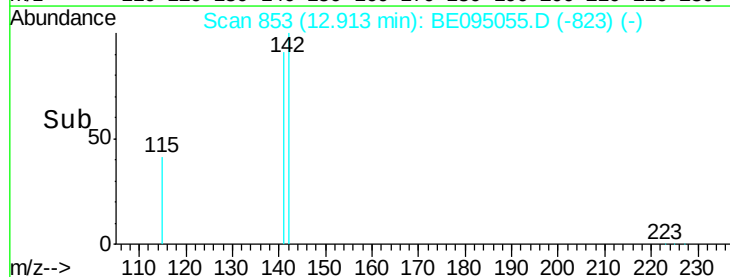
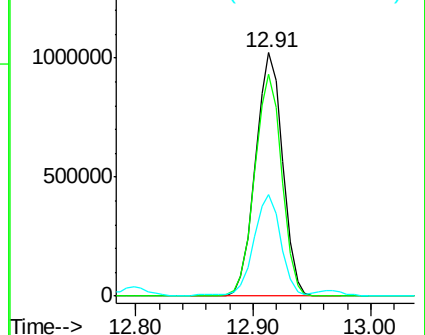
115 41.9 31.7 47.5

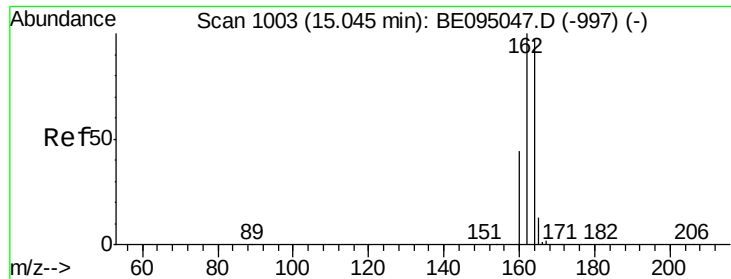


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

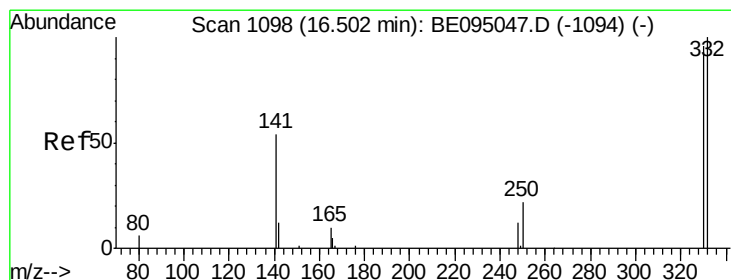
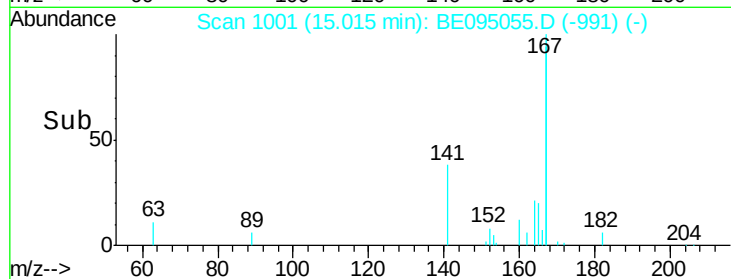
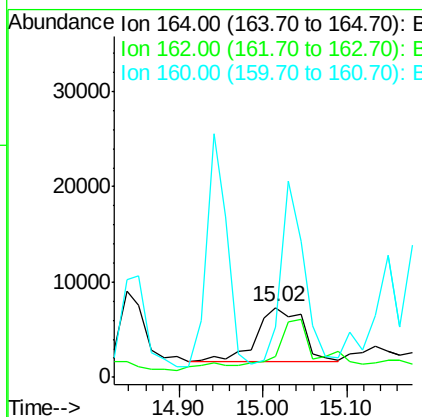
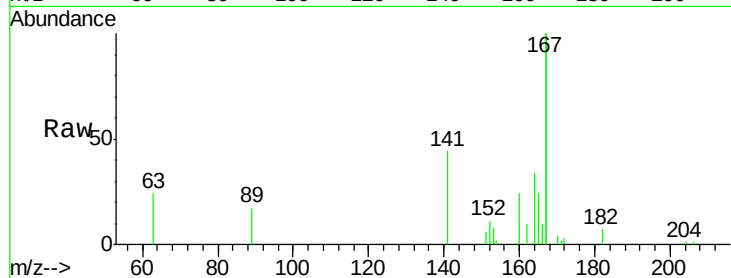




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.02 min Scan# 1001
 Delta R.T. -0.05 min
 Lab File: BE095055.D
 Acq: 26 Dec 2017 14:39

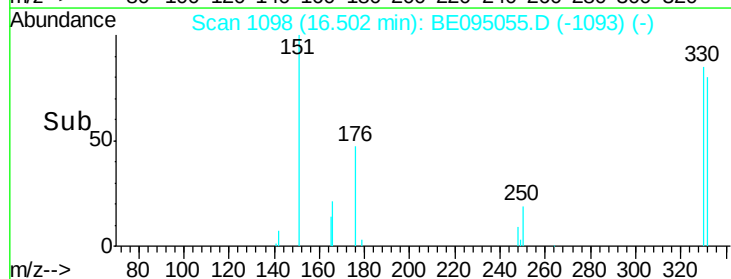
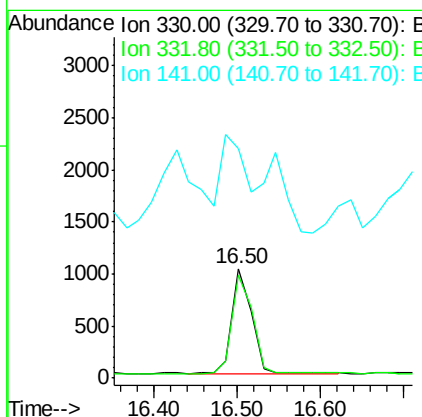
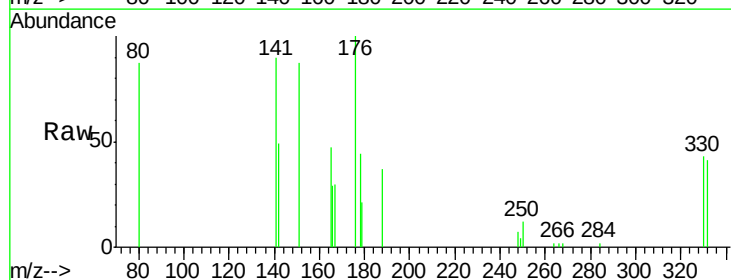
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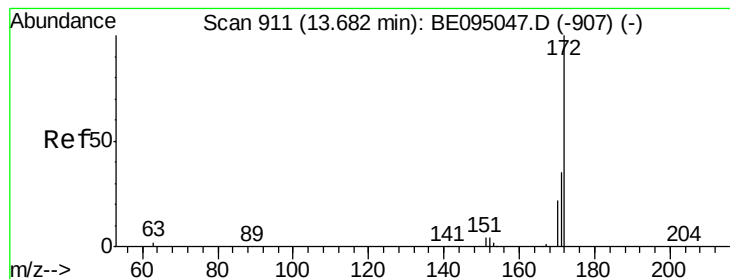
Tgt Ion:164 Resp: 21314
 Ion Ratio Lower Upper
 164 100
 162 29.4 83.1 124.7#
 160 71.9 37.1 55.7#



#14
 2,4,6-Tribromophenol
 Concen: 0.329 ng
 RT: 16.50 min Scan# 1098
 Delta R.T. -0.03 min
 Lab File: BE095055.D
 Acq: 26 Dec 2017 14:39

Tgt Ion:330 Resp: 1628
 Ion Ratio Lower Upper
 330 100
 332 98.9 152.7 229.1#
 141 204.3 33.7 50.5#

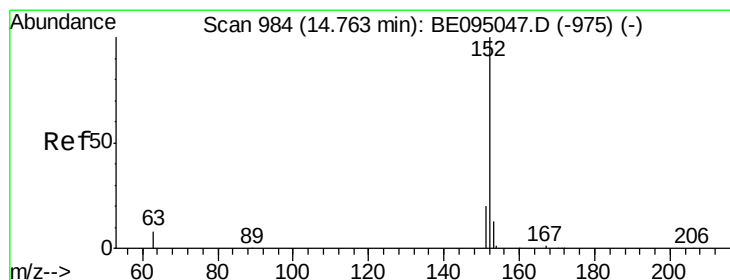
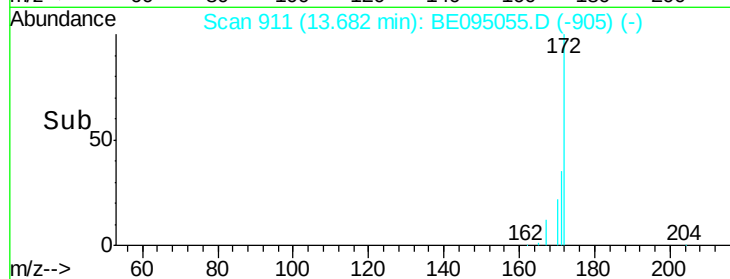
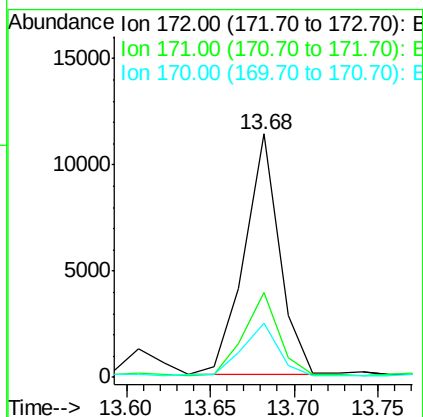
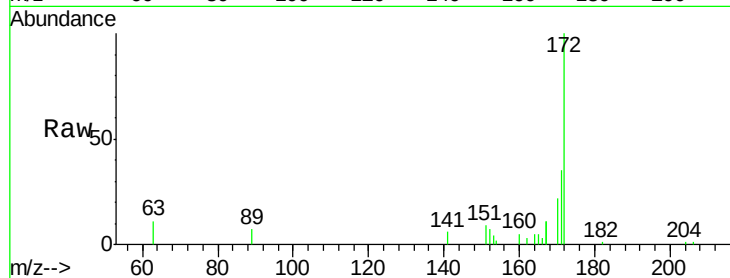




#15
 2-Fluorobiphenyl
 Concen: 0.174 ng
 RT: 13.68 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: BE095055.D
 Acq: 26 Dec 2017 14:39

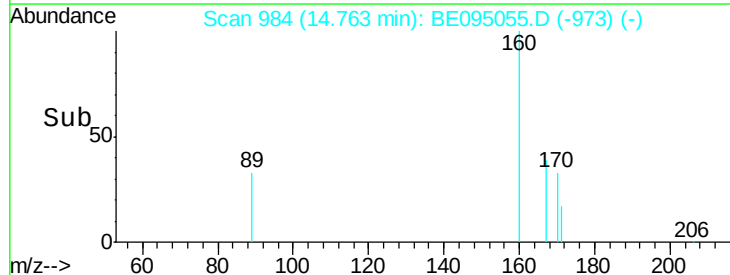
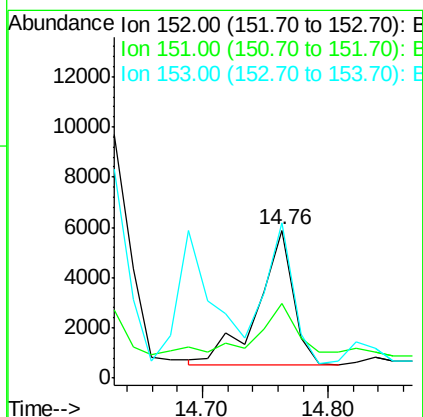
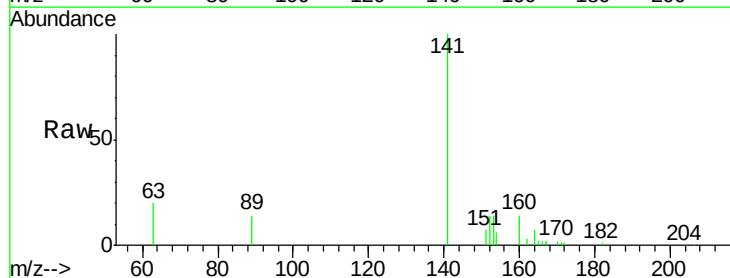
Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-1-121817

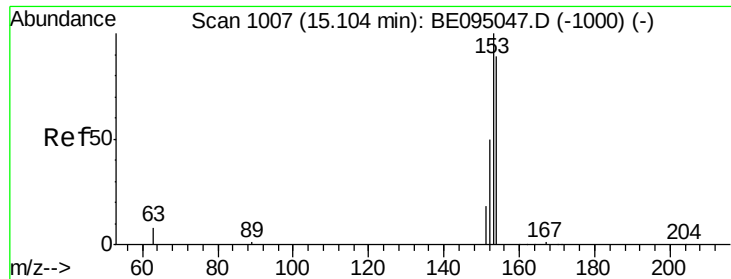
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	22.2	21.8	32.8



#16
 Acenaphthylene
 Concen: 0.091 ng
 RT: 14.76 min Scan# 984
 Delta R.T. -0.03 min
 Lab File: BE095055.D
 Acq: 26 Dec 2017 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	34.7	15.7	23.5#
153	83.2	10.5	15.7#





#17

Acenaphthene

Concen: 0.152 ng

RT: 15.10 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

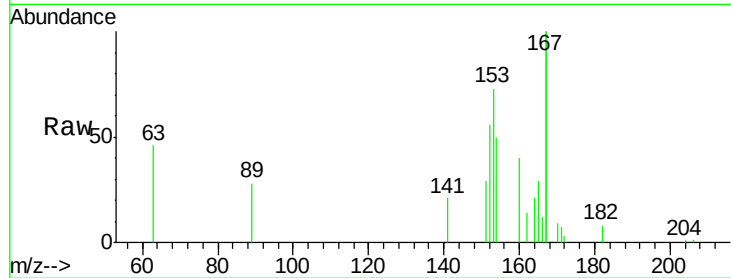
Tgt Ion:154 Resp: 11485

Ion Ratio Lower Upper

154 100

153 142.1 89.2 133.8#

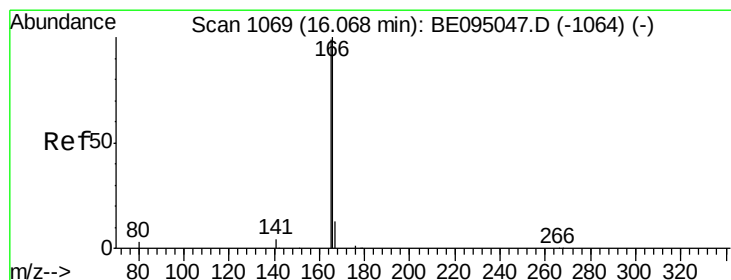
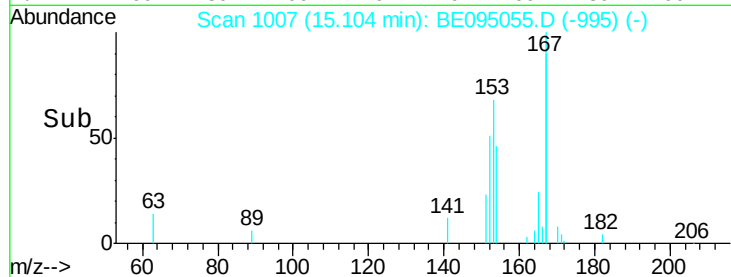
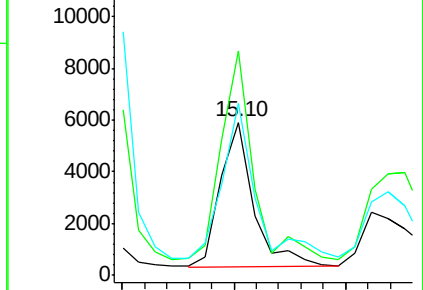
152 109.0 42.0 63.0#



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: 0.371 ng

RT: 16.07 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

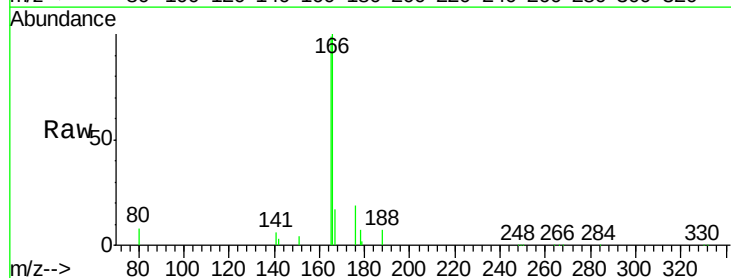
Tgt Ion:166 Resp: 34830

Ion Ratio Lower Upper

166 100

165 105.2 77.8 116.6

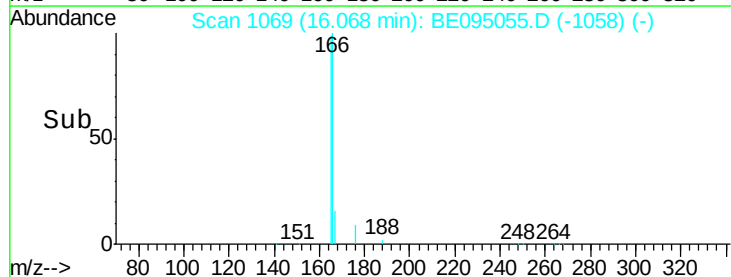
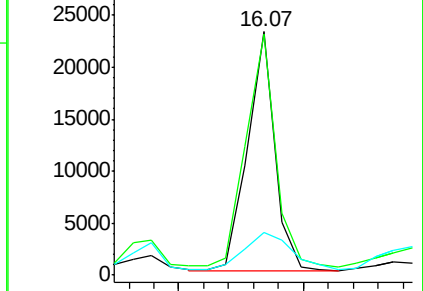
167 26.8 42.4 63.6#

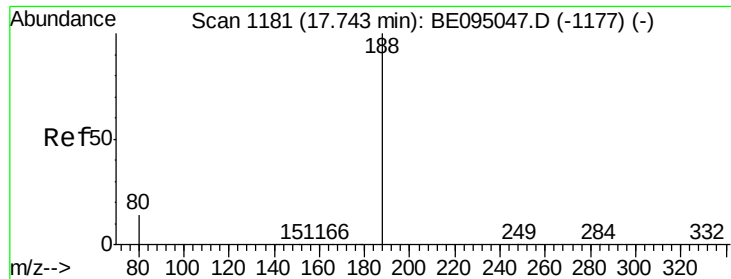


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

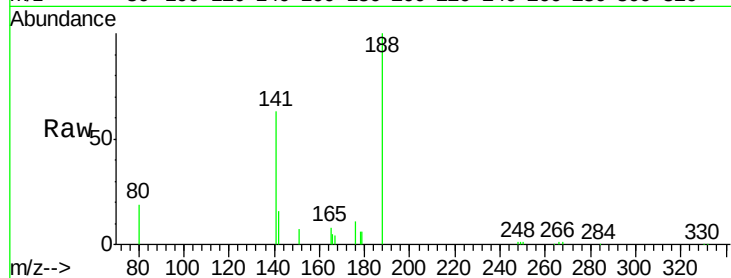
Tgt Ion:188 Resp: 19532

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

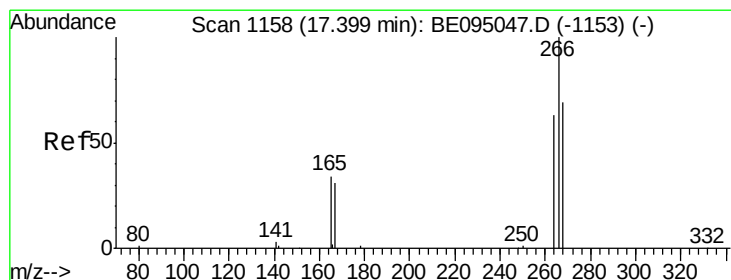
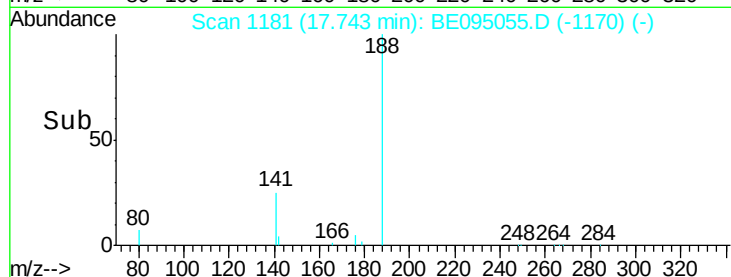
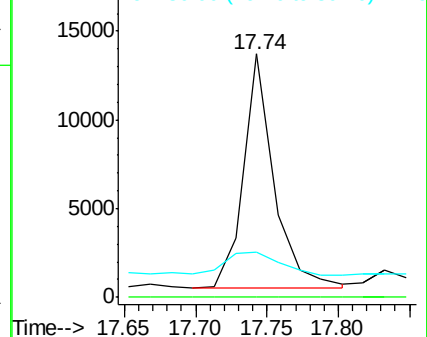
80 18.8 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.094 ng

RT: 17.40 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

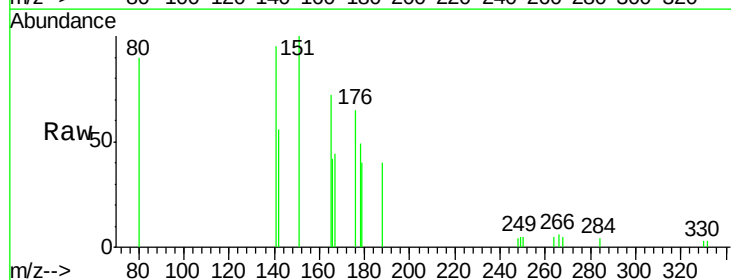
Tgt Ion:266 Resp: 42

Ion Ratio Lower Upper

266 100

264 86.5 72.5 108.7

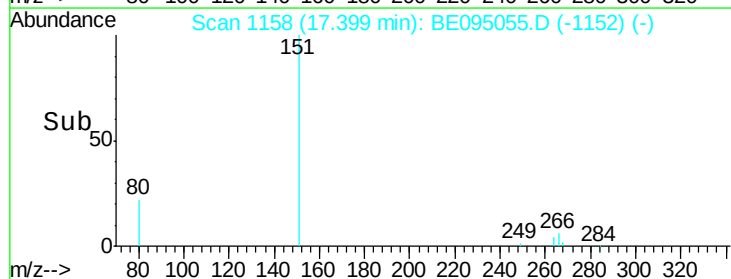
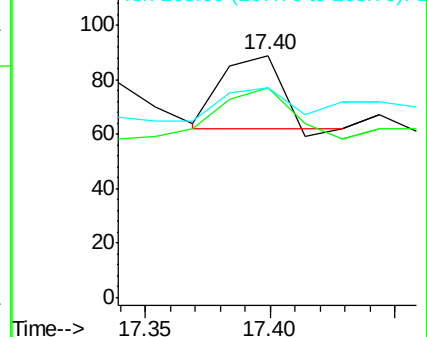
268 86.5 73.8 110.6

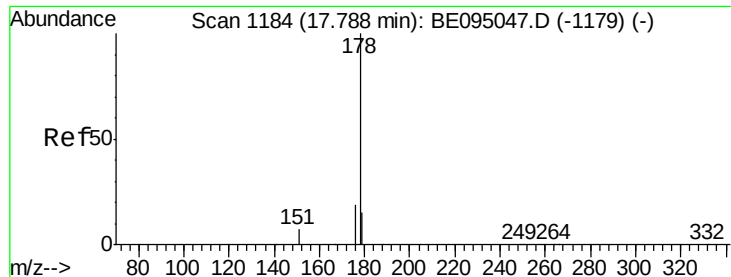


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.218 ng

RT: 17.79 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

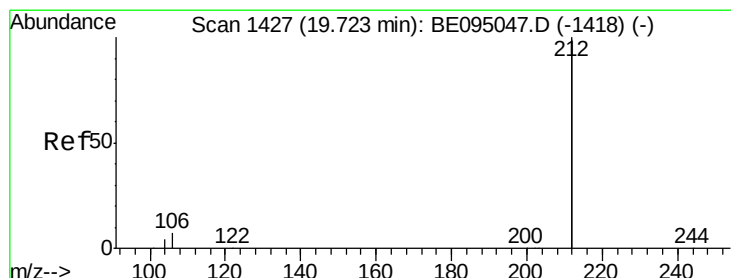
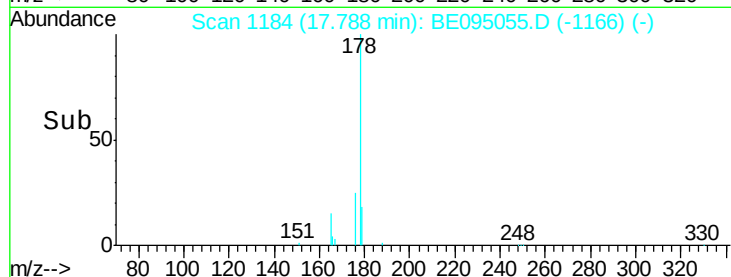
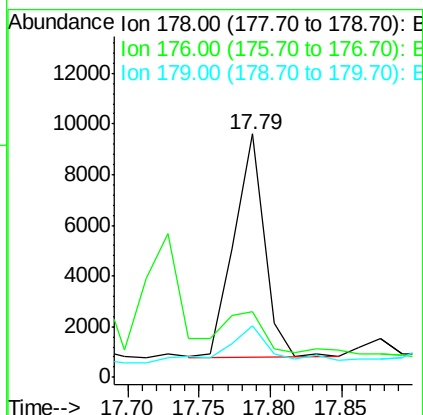
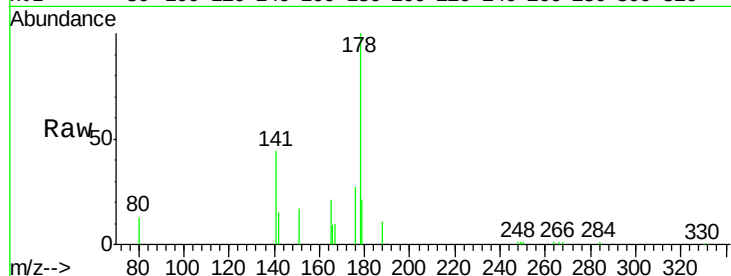
Tgt Ion:178 Resp: 13287

Ion Ratio Lower Upper

178 100

176 22.0 15.1 22.7

179 36.6 11.8 17.6#



#25

Fluoranthene-d10

Concen: 0.391 ng

RT: 19.72 min Scan# 1427

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

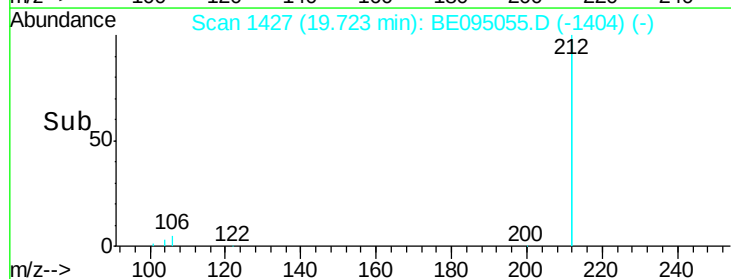
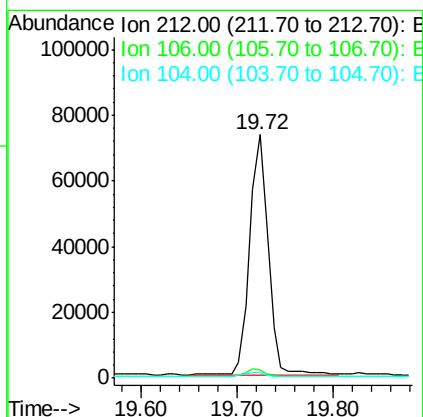
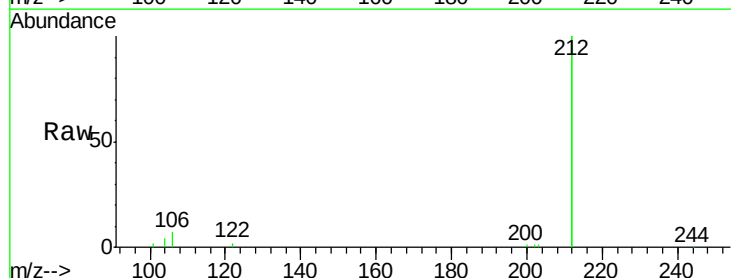
Tgt Ion:212 Resp: 99126

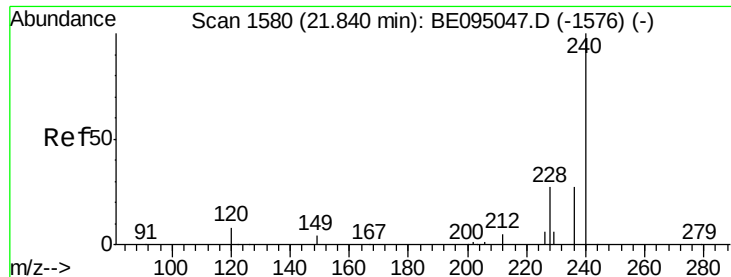
Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

104 2.0 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

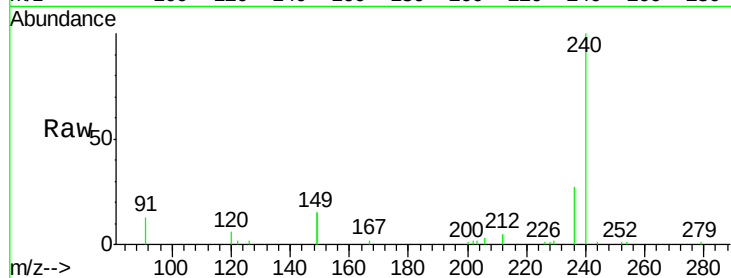
Tgt Ion:240 Resp: 19725

Ion Ratio Lower Upper

240 100

120 6.0 5.5 8.3

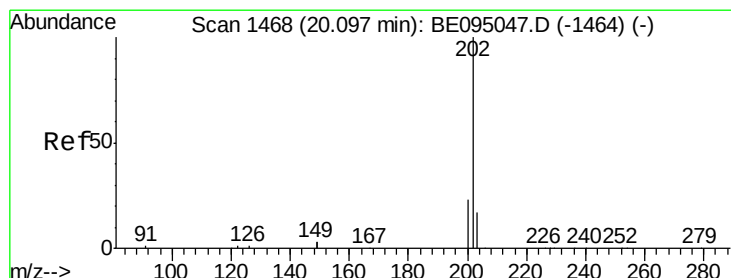
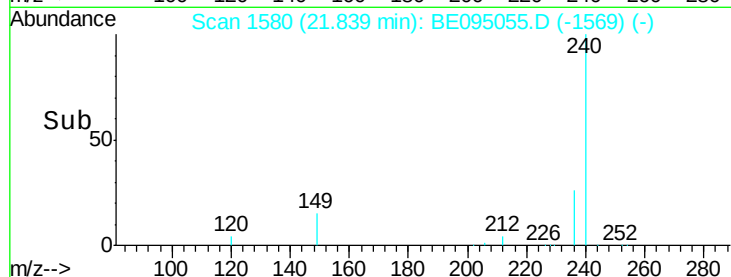
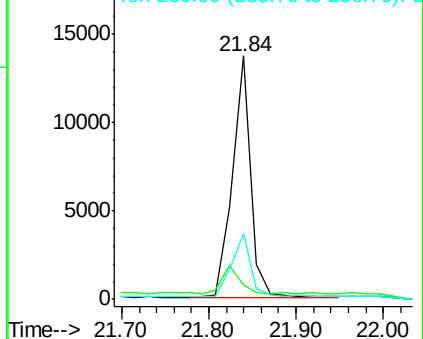
236 26.9 20.7 31.1



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: 0.022 ng

RT: 20.10 min Scan# 1468

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

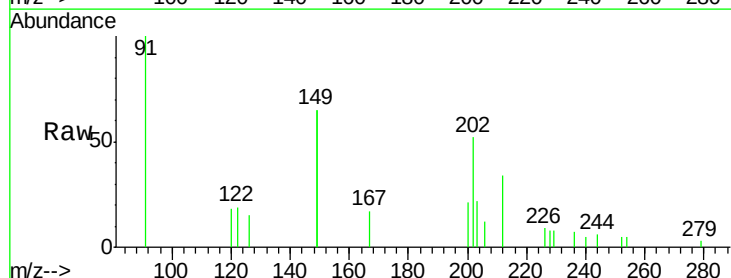
Tgt Ion:202 Resp: 1489

Ion Ratio Lower Upper

202 100

200 26.0 16.6 25.0#

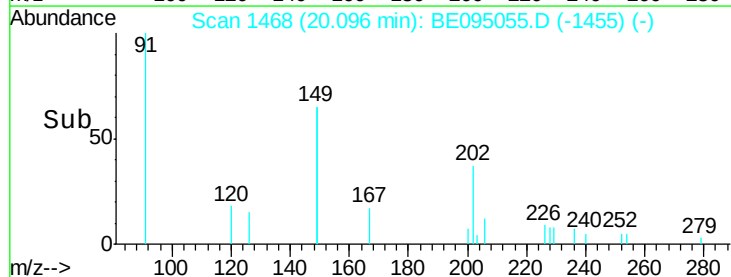
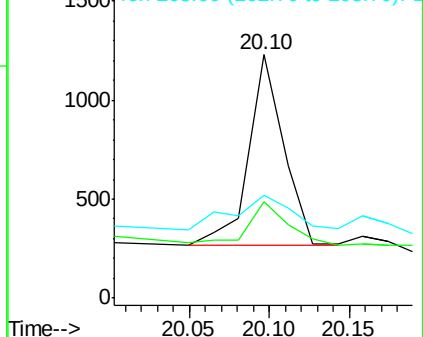
203 32.3 13.8 20.8#

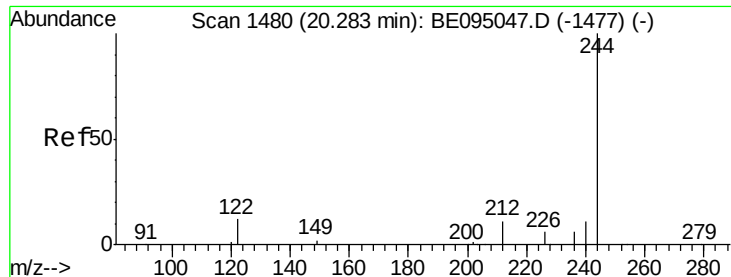


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.640 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

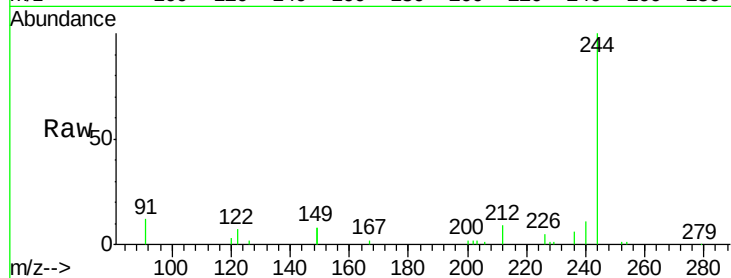
Tgt Ion:244 Resp: 23769

Ion Ratio Lower Upper

244 100

212 8.8 25.4 38.0#

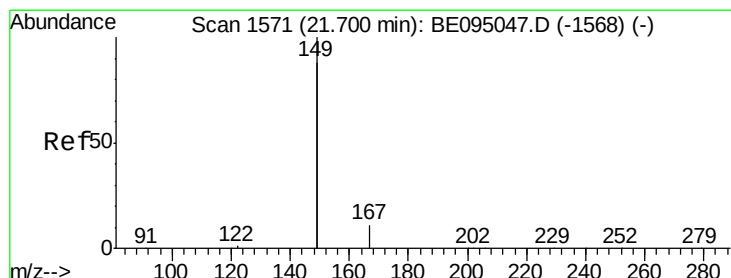
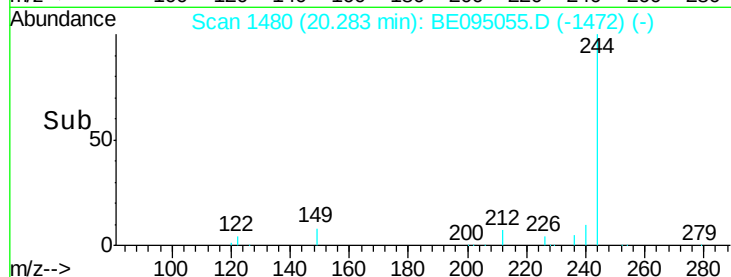
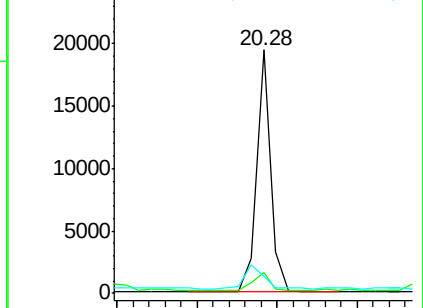
122 6.8 8.1 12.1#



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: 0.232 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

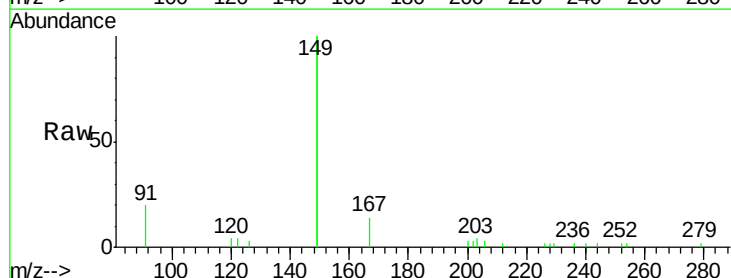
Tgt Ion:149 Resp: 17013

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

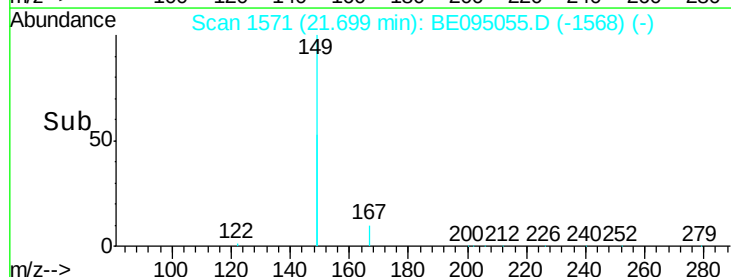
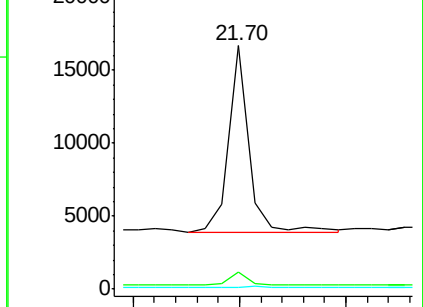
279 1.1 0.7 1.1

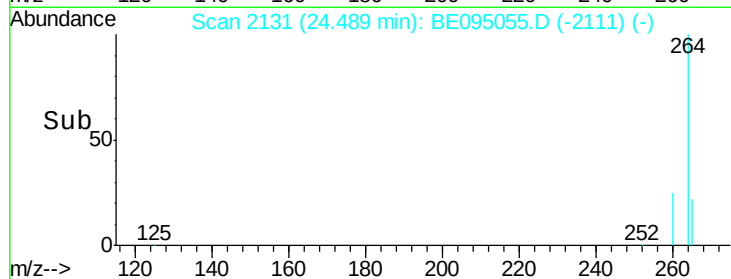
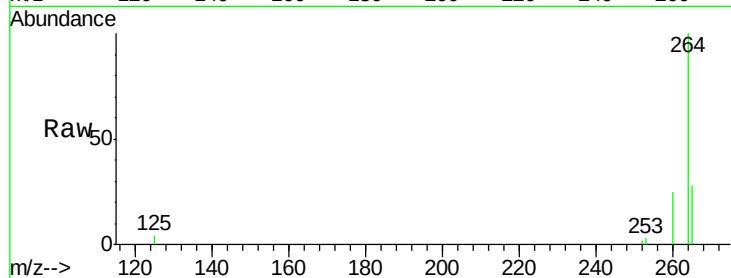
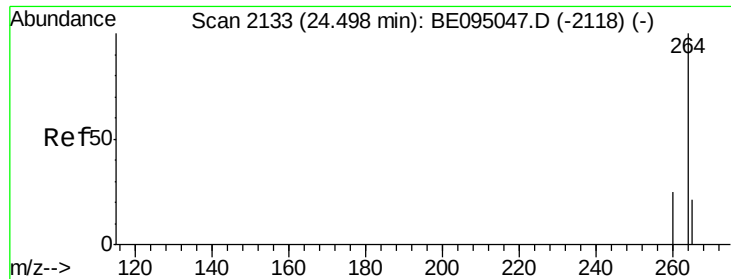


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.49 min Scan# 2131

Delta R.T. -0.06 min

Lab File: BE095055.D

Acq: 26 Dec 2017 14:39

Instrument :

BNA_E

ClientSampleId :

PR-MW-1-121817

Tgt Ion:264 Resp: 17567

Ion Ratio Lower Upper

264 100

260 25.4 20.5 30.7

265 28.4 22.8 34.2

