

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122617\
 Data File : BE095051.D
 Acq On : 26 Dec 2017 12:16
 Operator : SJ/JU
 Sample : I7004-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02-121817

Quant Time: Dec 26 13:09:59 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 11:07:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6985	0.40	ng	-0.01
7) Naphthalene-d8	11.31	136	16672	0.40	ng	-0.02
13) Acenaphthene-d10	15.03	164	13034	0.40	ng	-0.03
19) Phenanthrene-d10	17.74	188	21162	0.40	ng	-0.03
27) Chrysene-d12	21.84	240	20993	0.40	ng	-0.03
34) Perylene-d12	24.49	264	18371	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.94	112	1680	0.15	ng	-0.01
5) Phenol-d6	7.59	99	1413	0.09	ng	0.00
8) Nitrobenzene-d5	9.63	82	5937	0.43	ng	-0.02
11) 2-Methylnaphthalene-d10	12.84	152	10100	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	16.50	330	1394	0.46	ng	-0.03
15) 2-Fluorobiphenyl	13.68	172	22277	0.39	ng	-0.02
25) Fluoranthene-d10	19.72	212	102300	0.37	ng	-0.03
29) Terphenyl-d14	20.28	244	24539	0.62	ng	-0.03

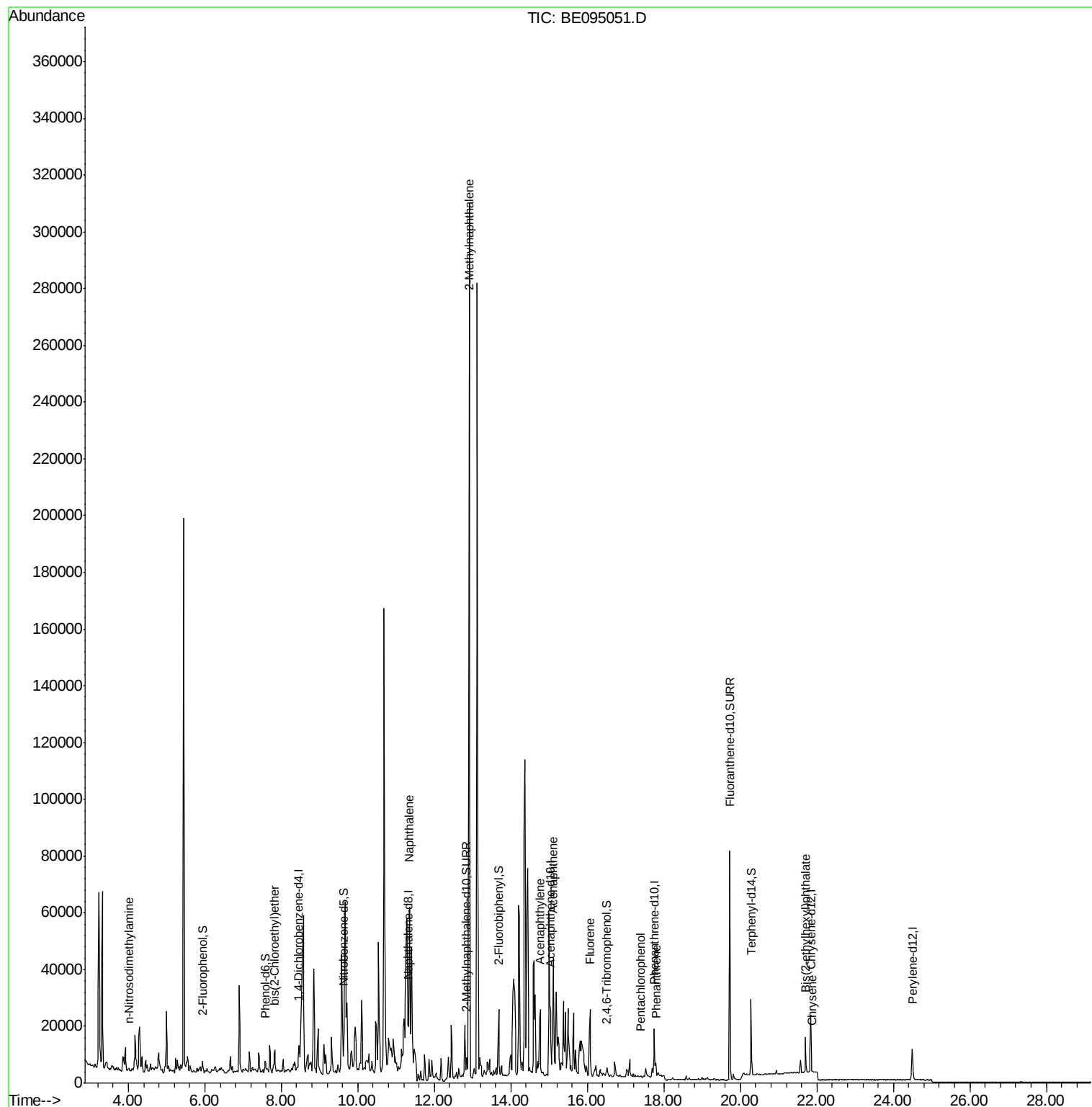
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	4.01	42	962	0.118	ng	# 2
6) bis(2-Chloroethyl)ether	7.83	93	370	0.024	ng	# 1
9) Naphthalene	11.34	128	141905	0.725	ng	# 83
12) 2-Methylnaphthalene	12.91	142	215916	4.421	ng	98
16) Acenaphthylene	14.76	152	4026	0.058	ng	# 1
17) Acenaphthene	15.11	154	5672	0.123	ng	# 29
18) Fluorene	16.07	166	18238	0.318	ng	# 82
22) Pentachlorophenol	17.40	266	195	0.141	ng	90
23) Phenanthrene	17.79	178	5917	0.090	ng	# 89
31) Chrysene	21.87	228	1382	0.020	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.70	149	13681	0.175	ng	99

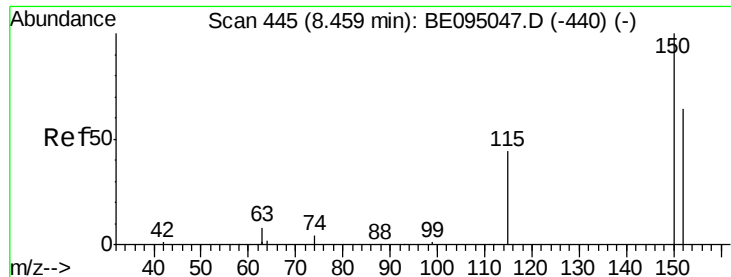
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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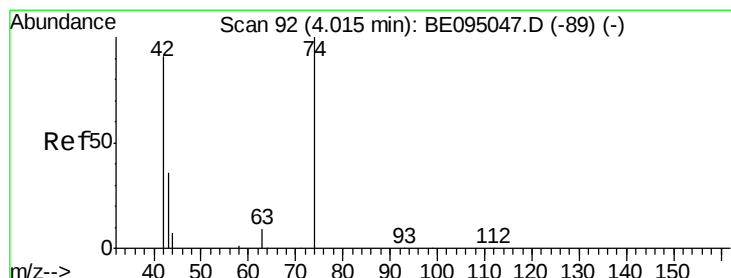
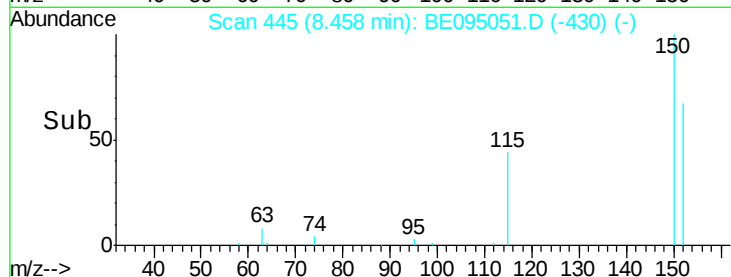
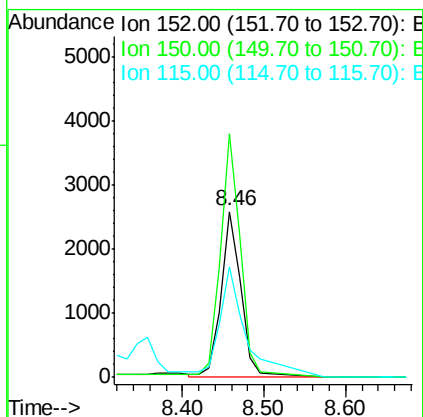
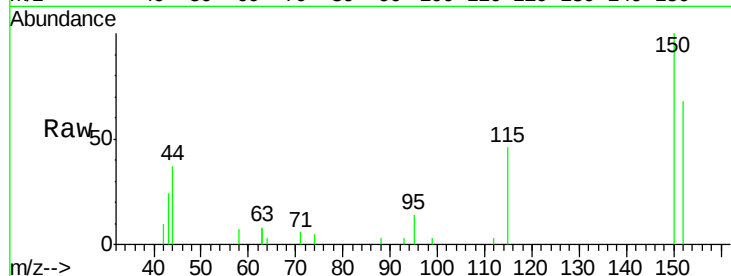


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.01 min
Lab File: BE095051.D
Acq: 26 Dec 2017 12:16

Instrument :
BNA_E
ClientSampleId :
PR-MW-02-121817

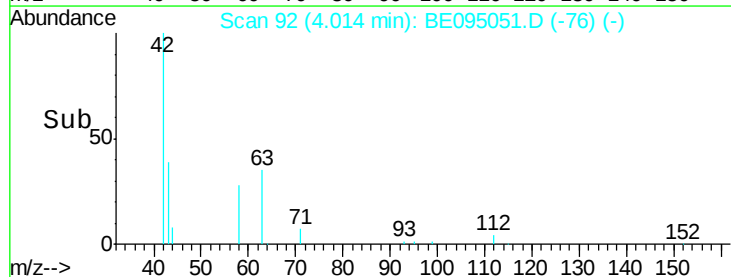
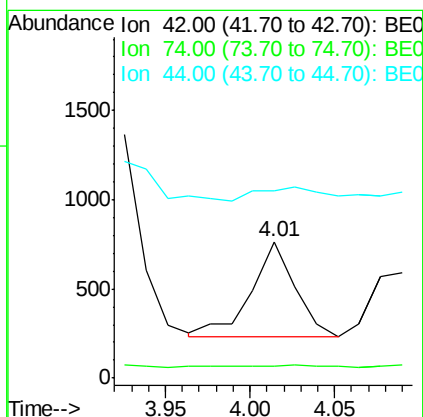
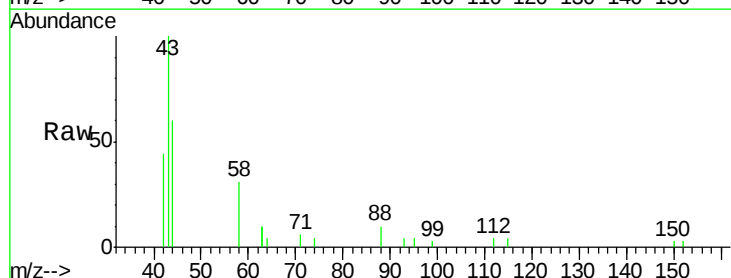
Tgt Ion:152 Resp: 6985
Ion Ratio Lower Upper
152 100
150 147.1 117.2 175.8
115 67.0 57.0 85.6

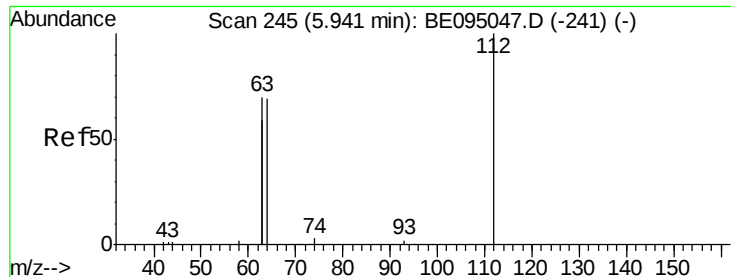


#3

n-Nitrosodimethylamine
Concen: 0.118 ng
RT: 4.01 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE095051.D
Acq: 26 Dec 2017 12:16

Tgt Ion: 42 Resp: 962
Ion Ratio Lower Upper
42 100
74 1.1 96.0 144.0#
44 26.2 12.0 18.0#





#4

2-Fluorophenol

Concen: 0.155 ng

RT: 5.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

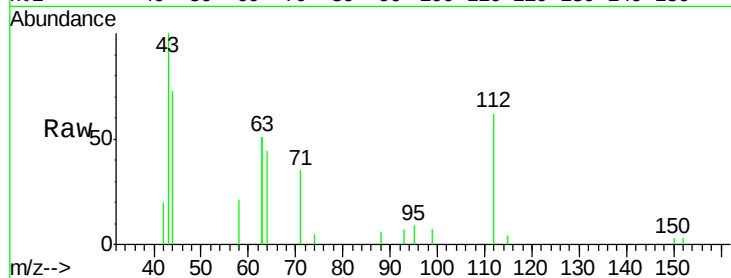
Tgt Ion: 112 Resp: 1680

Ion Ratio Lower Upper

112 100

64 59.8 60.1 90.1#

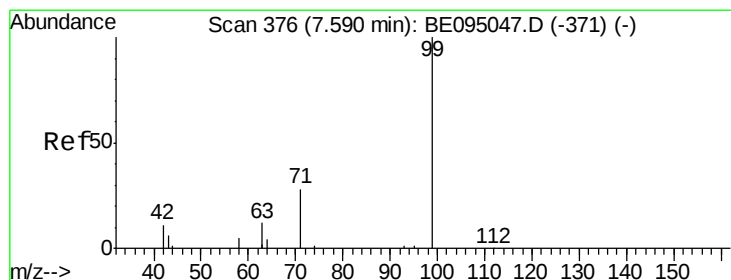
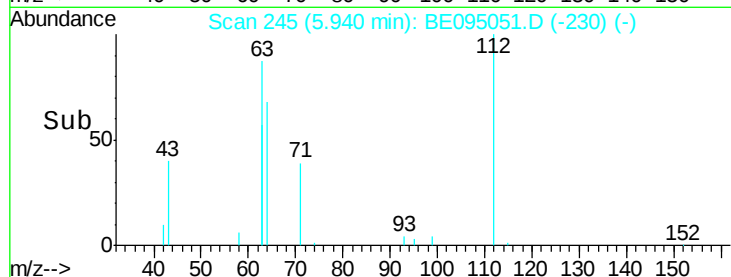
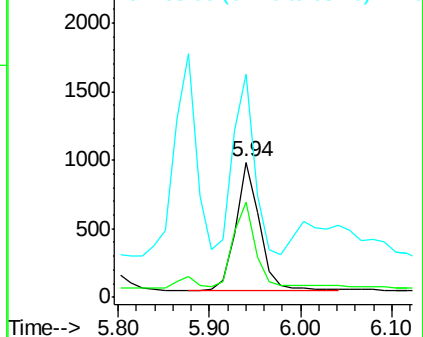
63 125.8 116.8 175.2



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: 0.088 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

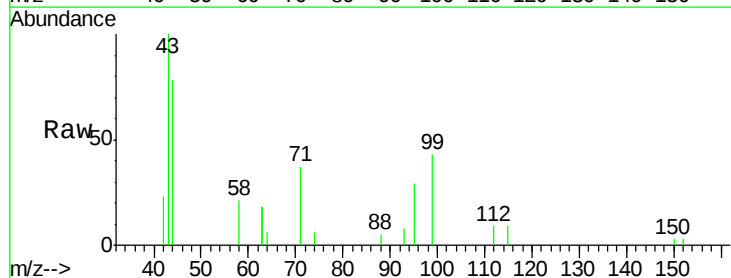
Tgt Ion: 99 Resp: 1413

Ion Ratio Lower Upper

99 100

42 74.8 20.2 30.2#

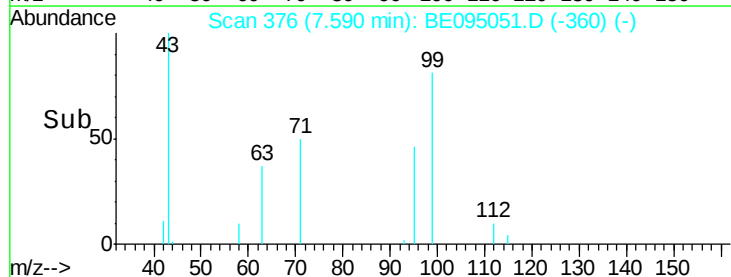
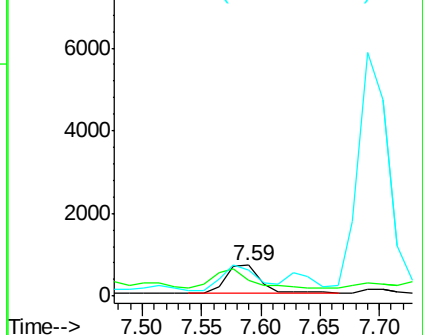
71 96.4 28.4 42.6#

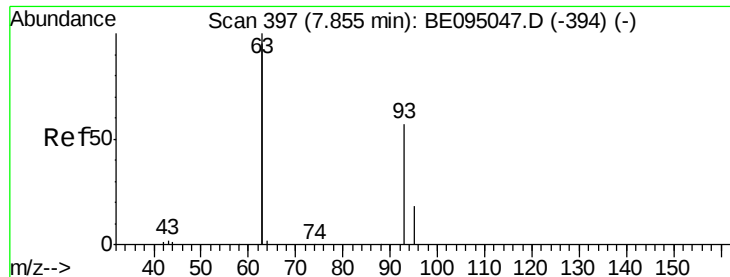


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.024 ng

RT: 7.83 min Scan# 395

Delta R.T. -0.04 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

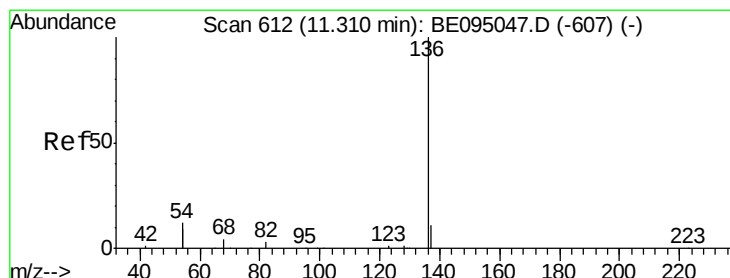
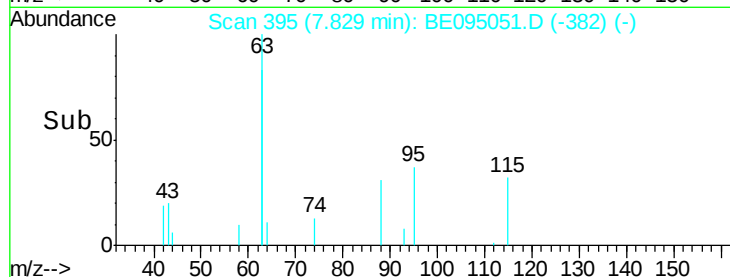
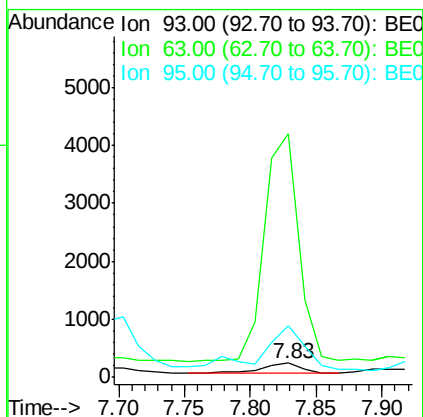
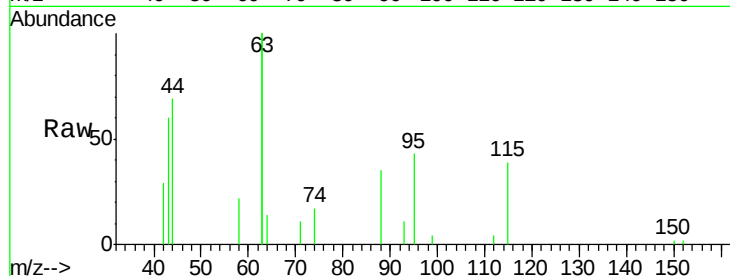
Tgt Ion: 93 Resp: 370

Ion Ratio Lower Upper

93 100

63 1907.3 275.3 412.9#

95 461.9 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: BE095051.D

Acq: 26 Dec 2017 12:16

Tgt Ion: 136 Resp: 16672

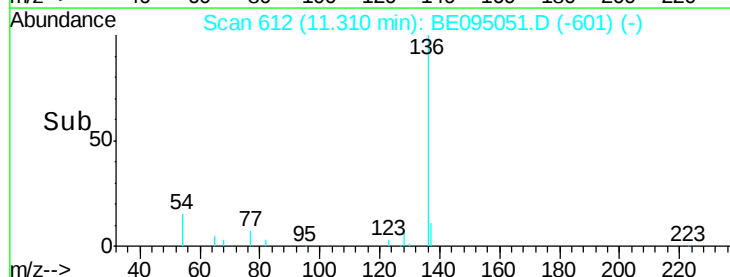
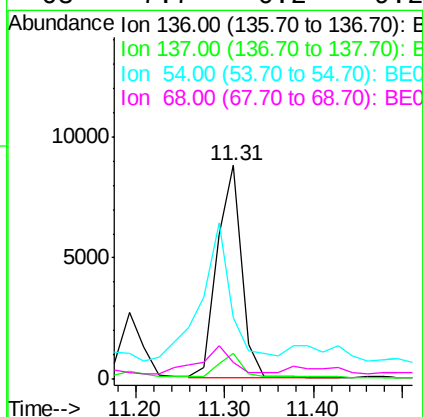
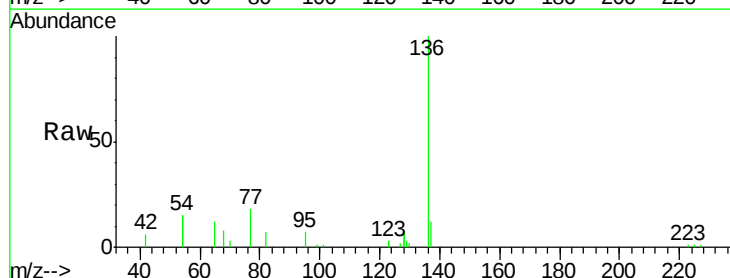
Ion Ratio Lower Upper

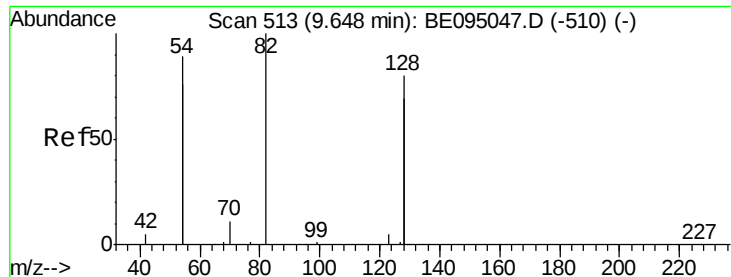
136 100

137 12.0 9.5 14.3

54 29.1 29.1 43.7#

68 7.7 6.2 9.2





#8

Nitrobenzene-d5

Concen: 0.434 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.02 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

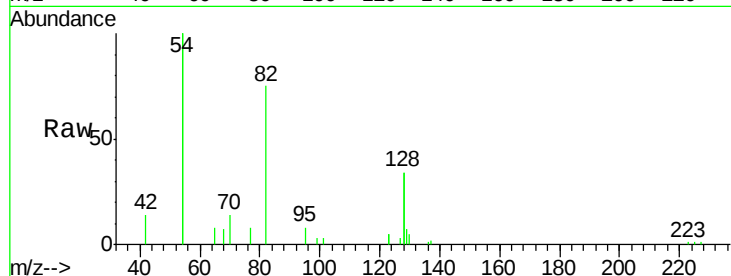
Tgt Ion: 82 Resp: 5937

Ion Ratio Lower Upper

82 100

128 92.2 150.0 225.0#

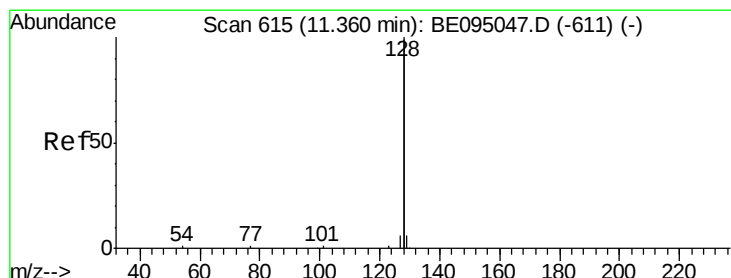
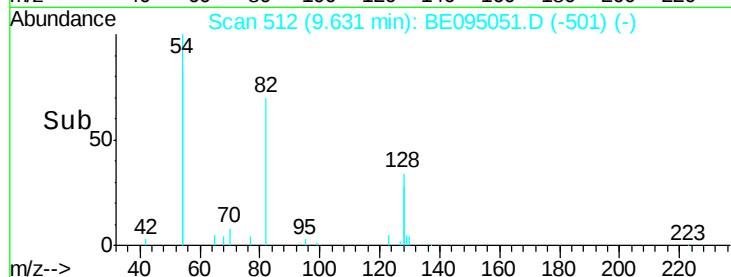
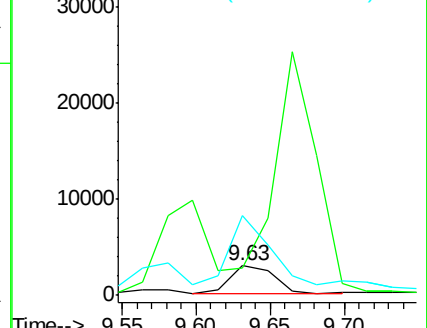
54 268.2 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.725 ng

RT: 11.34 min Scan# 614

Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

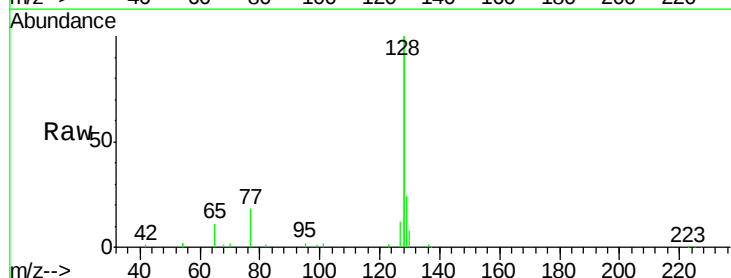
Tgt Ion: 128 Resp: 141905

Ion Ratio Lower Upper

128 100

129 12.1 2.6 3.8#

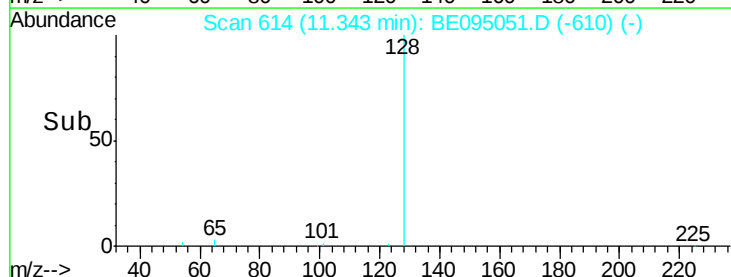
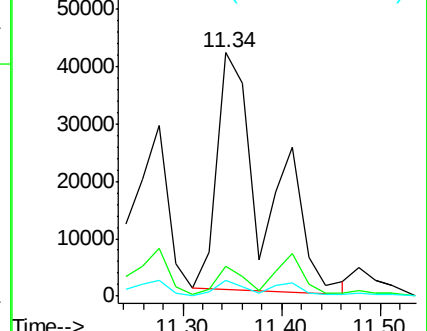
127 6.2 2.8 4.2#

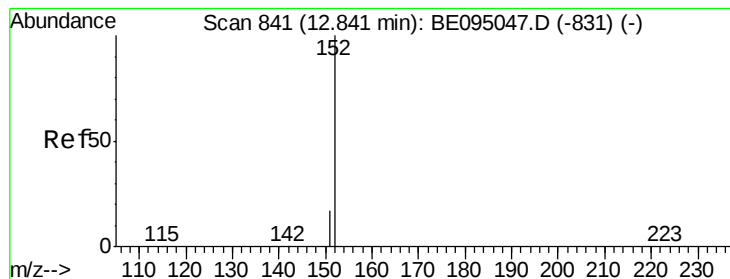


Abundance Ion 128.00 (127.70 to 128.70): BE0

Ion 129.00 (128.70 to 129.70): BE0

Ion 127.00 (126.70 to 127.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.370 ng

RT: 12.84 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

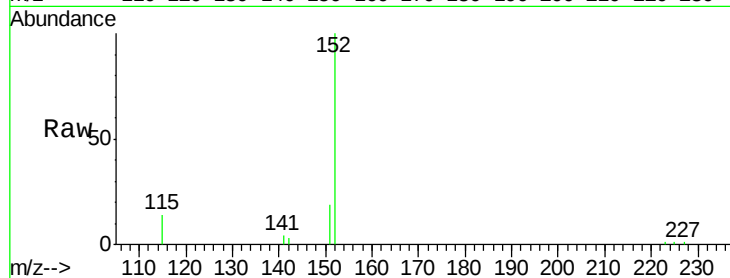
PR-MW-02-121817

Tgt Ion:152 Resp: 10100

Ion Ratio Lower Upper

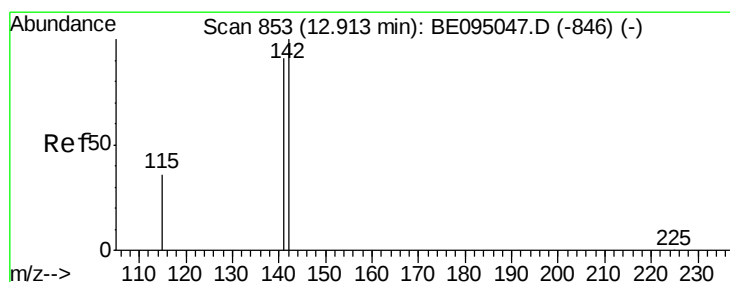
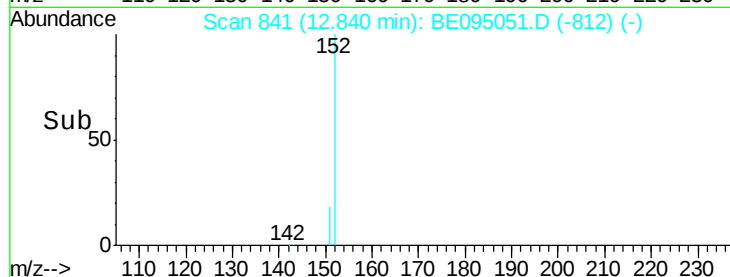
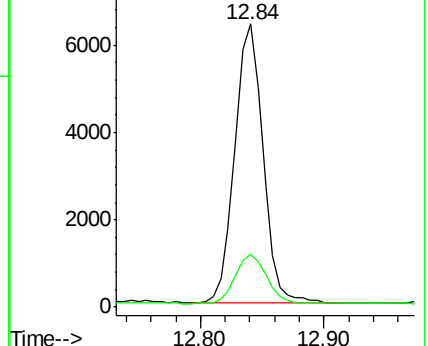
152 100

151 19.7 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: 4.421 ng

RT: 12.91 min Scan# 853

Delta R.T. -0.02 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

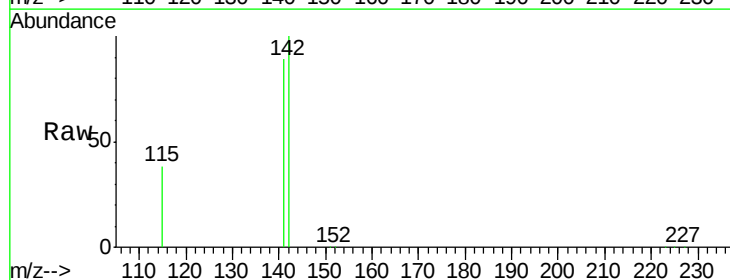
Tgt Ion:142 Resp: 215916

Ion Ratio Lower Upper

142 100

141 88.9 70.4 105.6

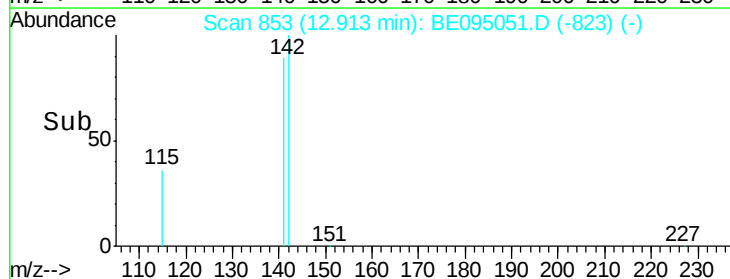
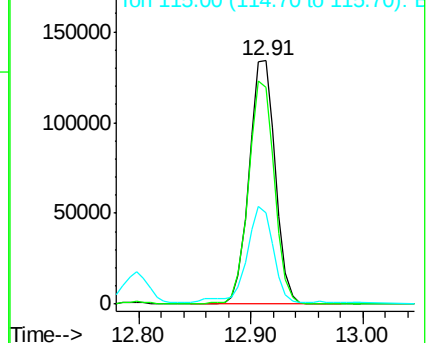
115 37.7 31.7 47.5

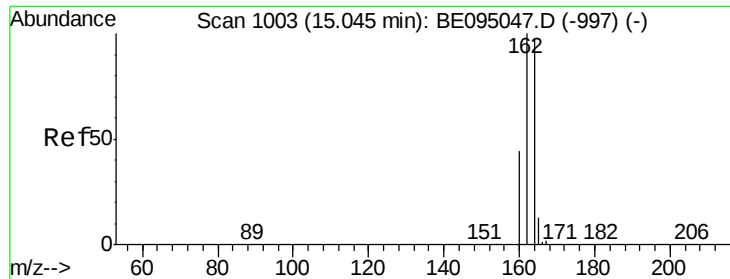


Abundance Ion 142.00 (141.70 to 142.70): E

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: 15.03 min Scan# 1002

Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

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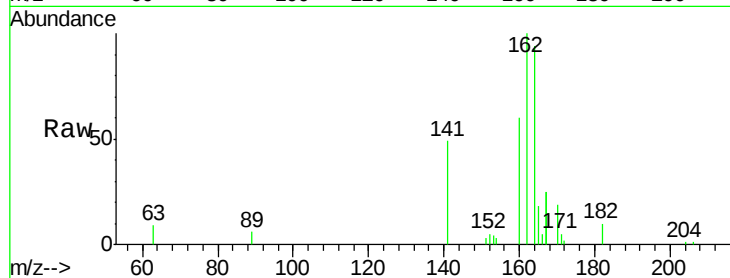
Tgt Ion:164 Resp: 13034

Ion Ratio Lower Upper

164 100

162 106.6 83.1 124.7

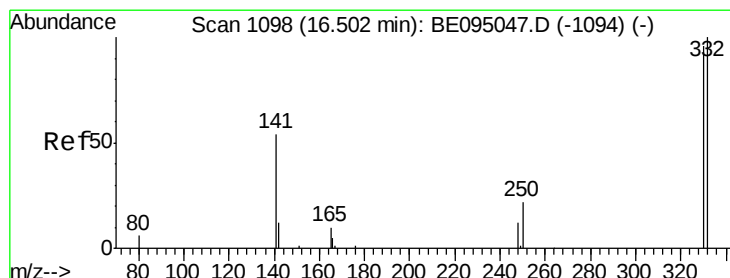
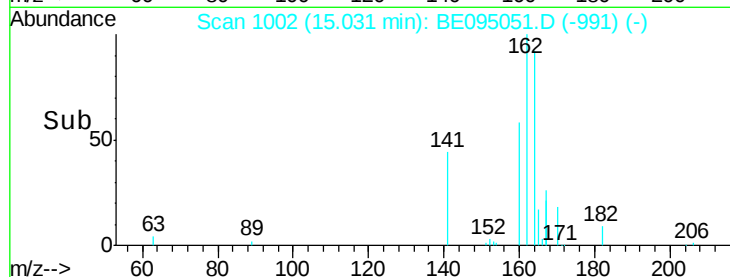
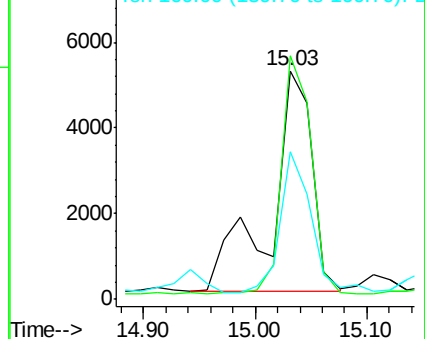
160 64.4 37.1 55.7#



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: 0.460 ng

RT: 16.50 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

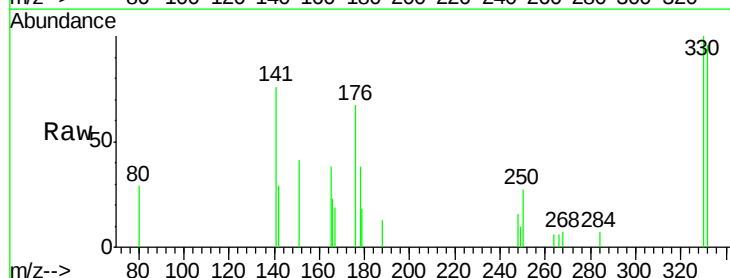
Tgt Ion:330 Resp: 1394

Ion Ratio Lower Upper

330 100

332 97.7 152.7 229.1#

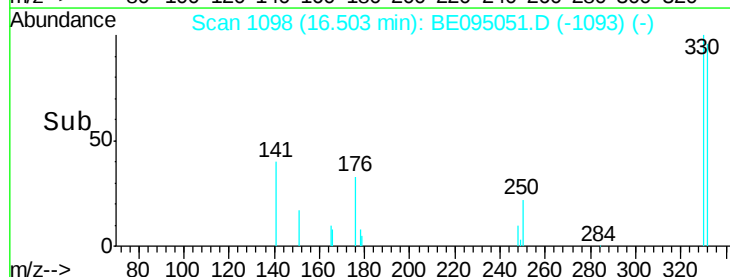
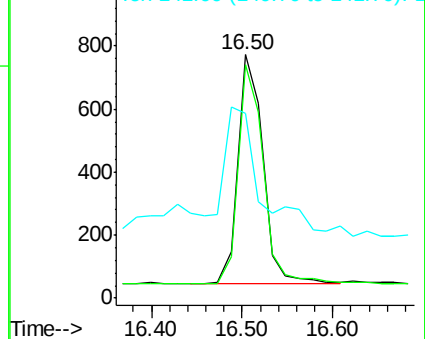
141 72.8 33.7 50.5#

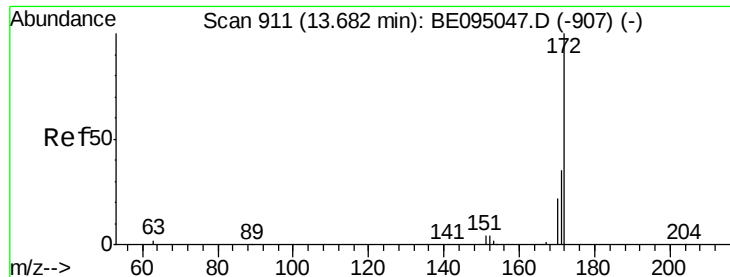


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

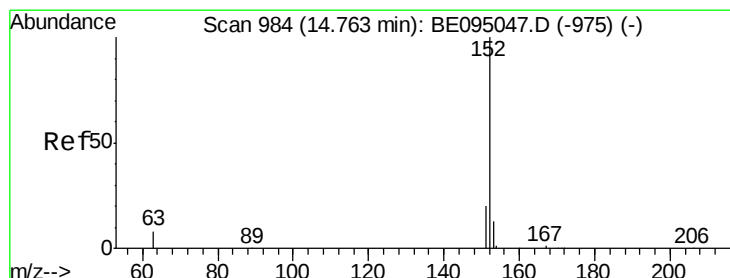
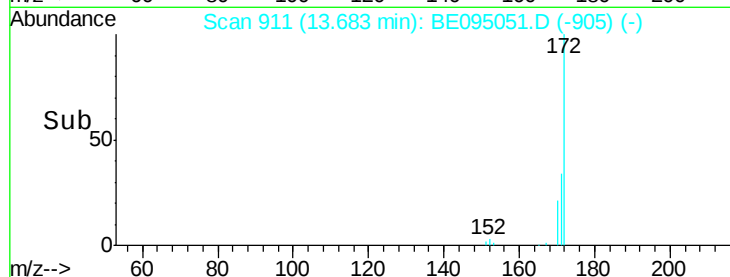
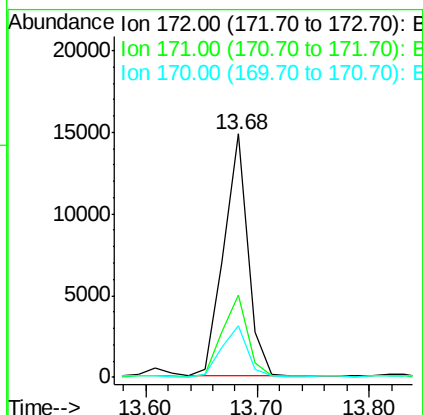
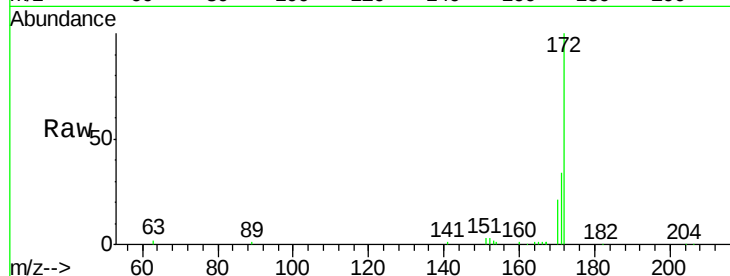




#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.02 min
Lab File: BE095051.D
Acq: 26 Dec 2017 12:16

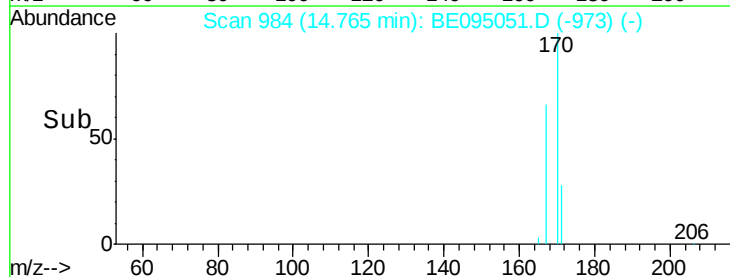
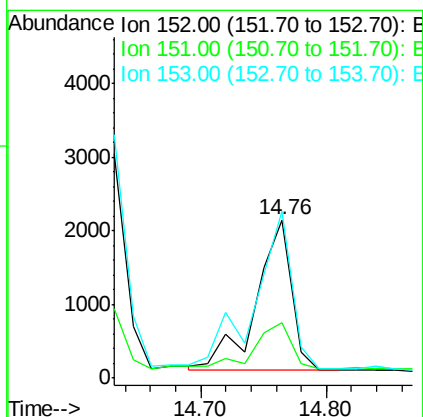
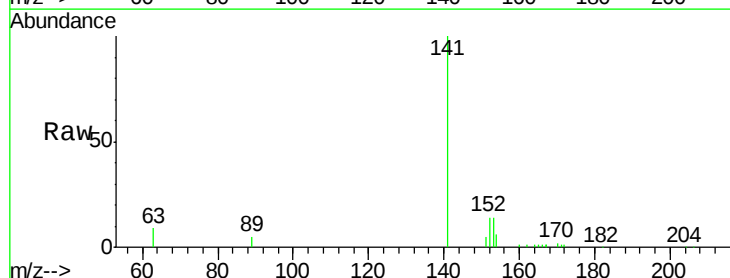
Instrument :
BNA_E
ClientSampleId :
PR-MW-02-121817

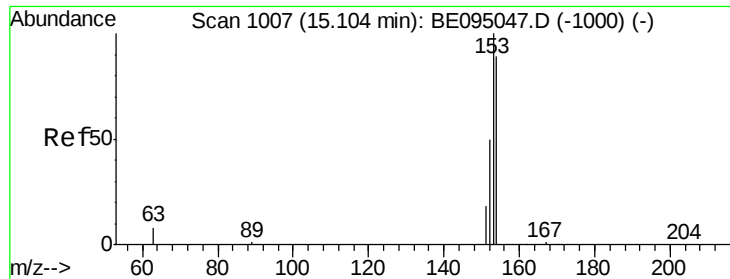
Tgt Ion:172 Resp: 22277
Ion Ratio Lower Upper
172 100
171 34.1 29.9 44.9
170 21.2 21.8 32.8#



#16
Acenaphthylene
Concen: 0.058 ng
RT: 14.76 min Scan# 984
Delta R.T. -0.03 min
Lab File: BE095051.D
Acq: 26 Dec 2017 12:16

Tgt Ion:152 Resp: 4026
Ion Ratio Lower Upper
152 100
151 32.4 15.7 23.5#
153 111.3 10.5 15.7#

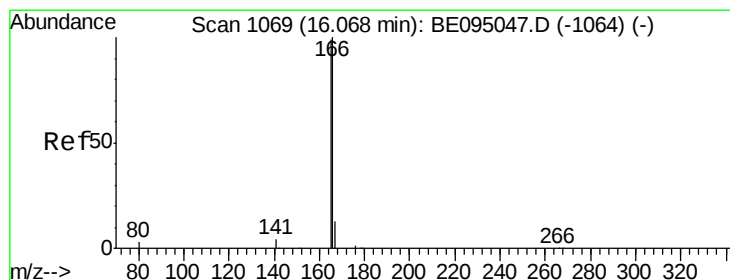
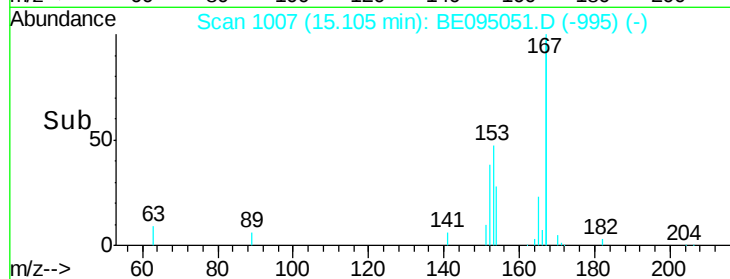
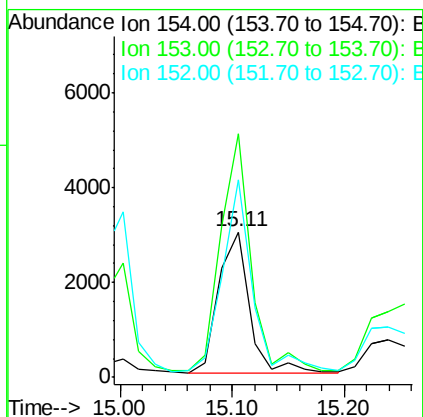
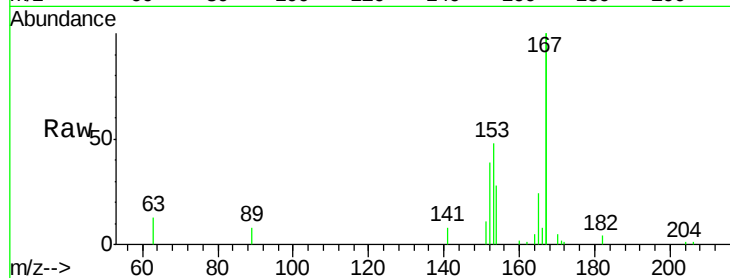




#17
Acenaphthene
Concen: 0.123 ng
RT: 15.11 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BE095051.D
Acq: 26 Dec 2017 12:16

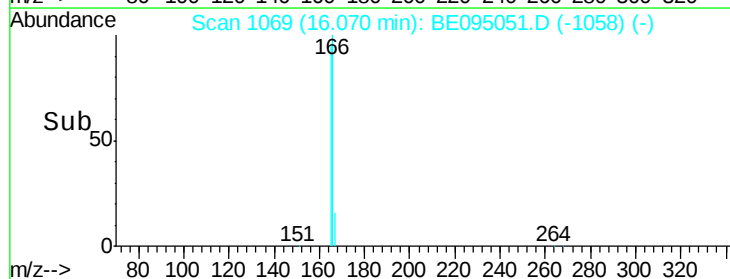
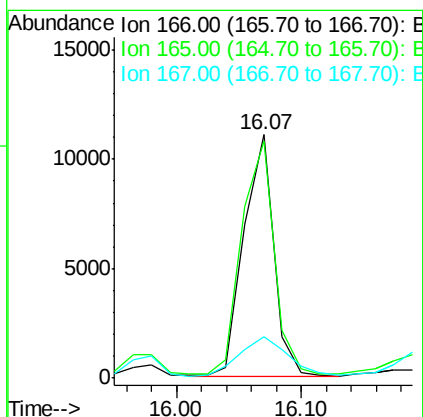
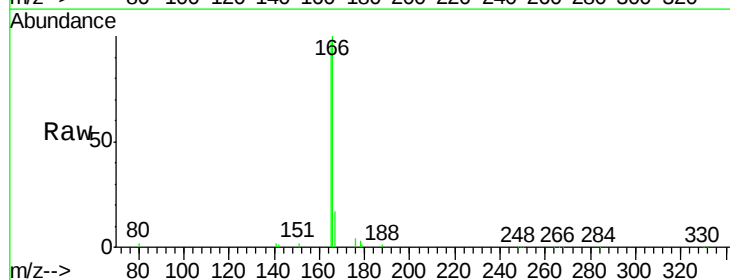
Instrument :
BNA_E
ClientSampleId :
PR-MW-02-121817

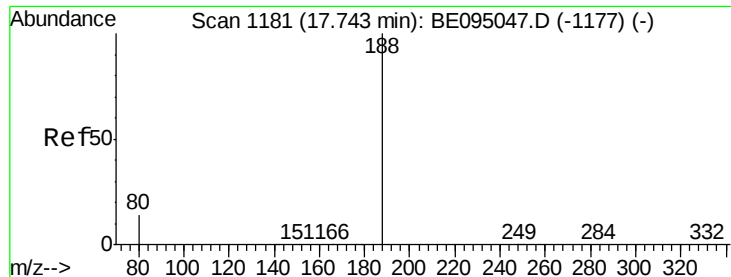
Tgt Ion:154 Resp: 5672
Ion Ratio Lower Upper
154 100
153 166.1 89.2 133.8#
152 133.1 42.0 63.0#



#18
Fluorene
Concen: 0.318 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095051.D
Acq: 26 Dec 2017 12:16

Tgt Ion:166 Resp: 18238
Ion Ratio Lower Upper
166 100
165 104.4 77.8 116.6
167 26.6 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.74 min Scan# 1181

Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

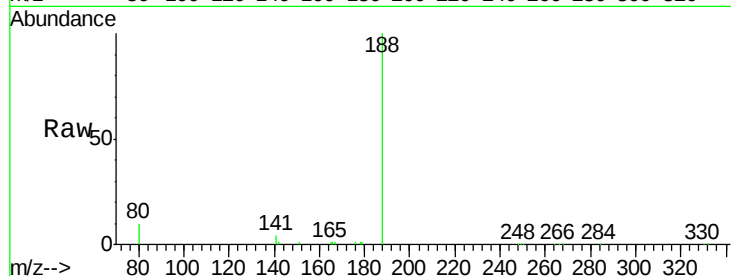
Tgt Ion:188 Resp: 21162

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

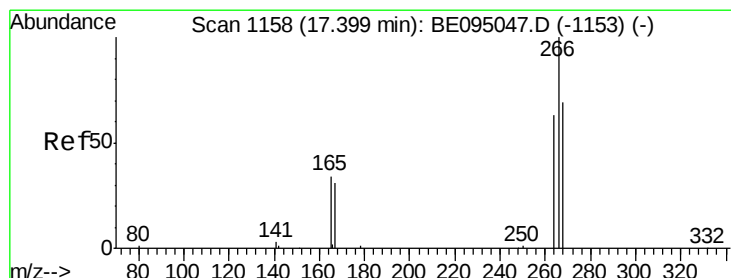
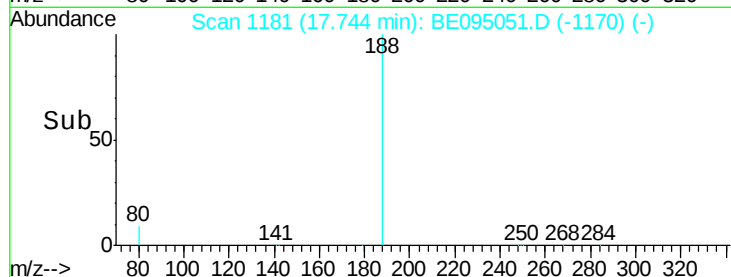
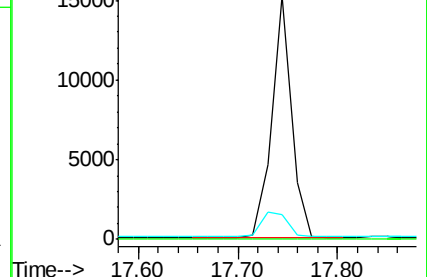
80 10.1 3.6 5.4#



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: 0.141 ng

RT: 17.40 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

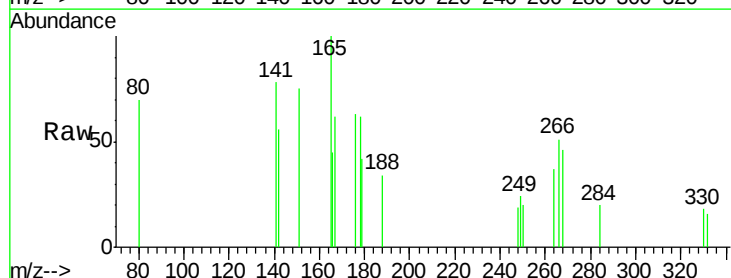
Tgt Ion:266 Resp: 195

Ion Ratio Lower Upper

266 100

264 73.0 72.5 108.7

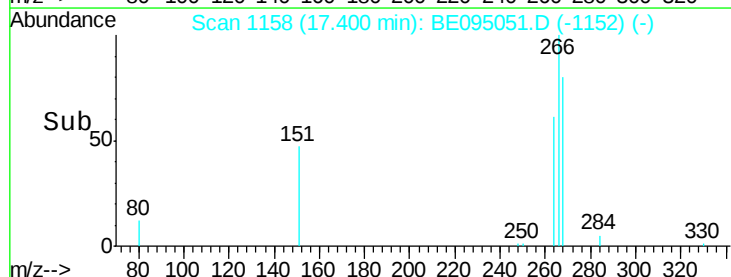
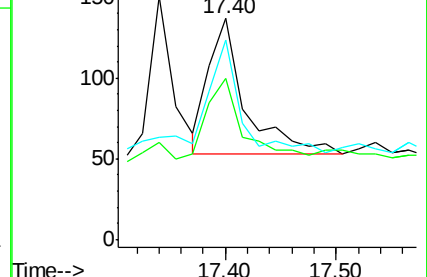
268 90.5 73.8 110.6

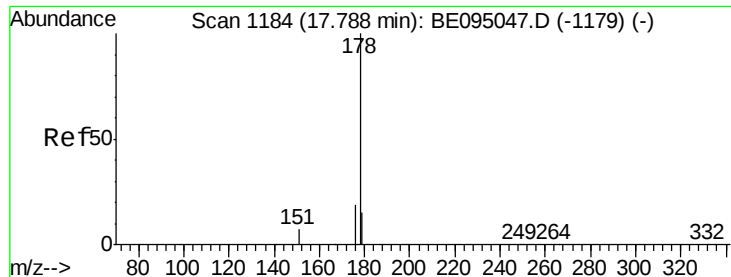


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.090 ng

RT: 17.79 min Scan# 1184

Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

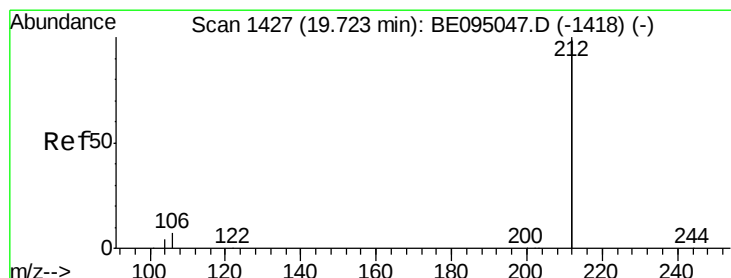
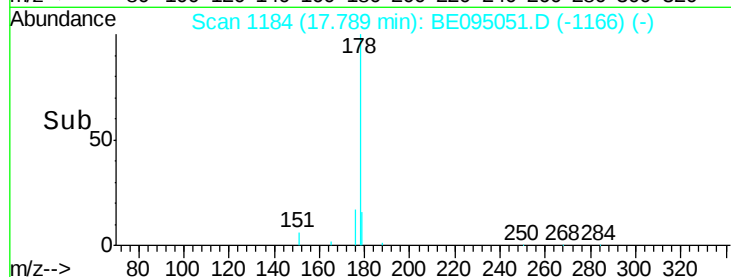
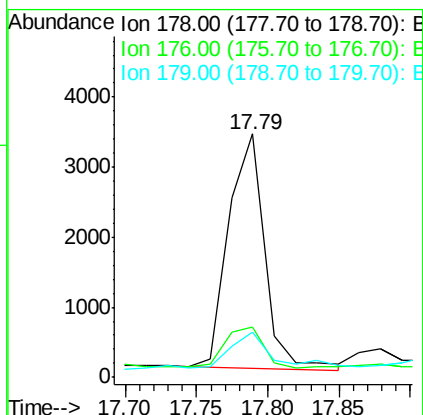
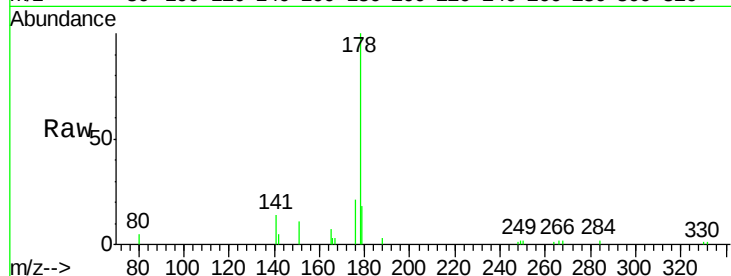
Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

Tgt Ion:	178	Resp:	5917
Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.1	22.7
179	23.9	11.8	17.6#



#25

Fluoranthene-d10

Concen: 0.373 ng

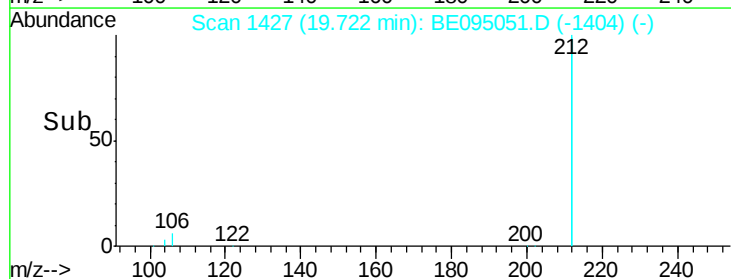
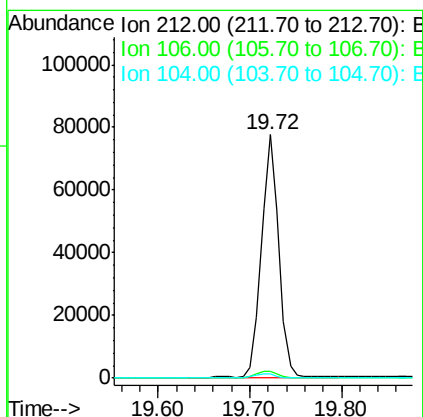
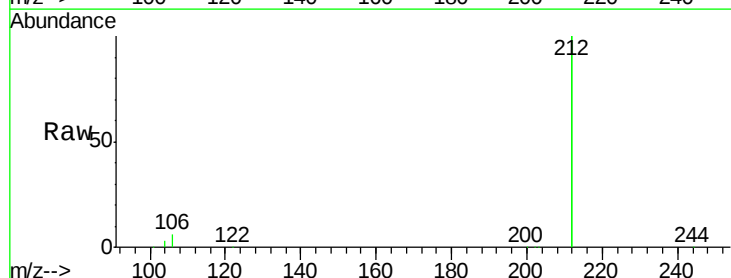
RT: 19.72 min Scan# 1427

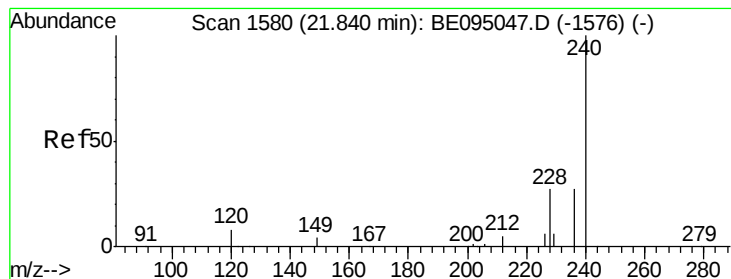
Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Tgt Ion:	212	Resp:	102300
Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.9	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: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

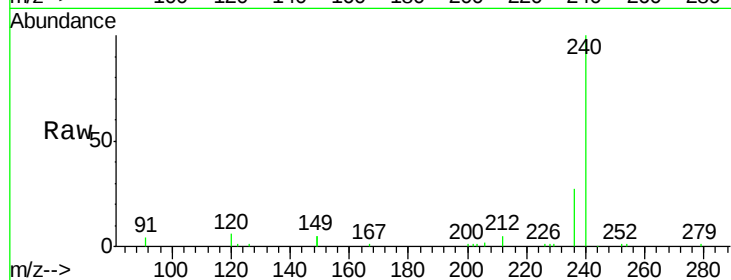
Tgt Ion:240 Resp: 20993

Ion Ratio Lower Upper

240 100

120 5.9 5.5 8.3

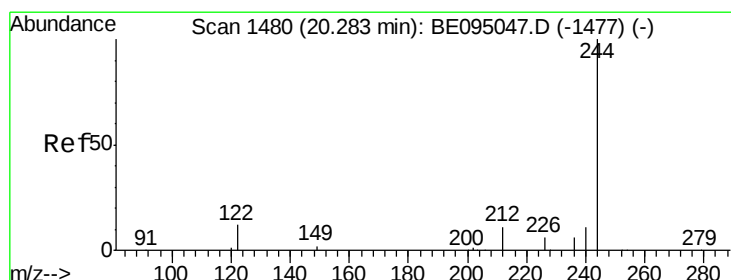
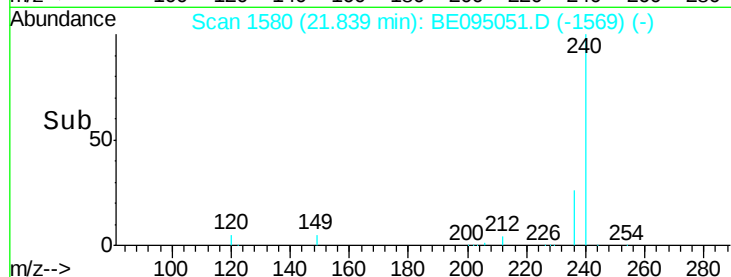
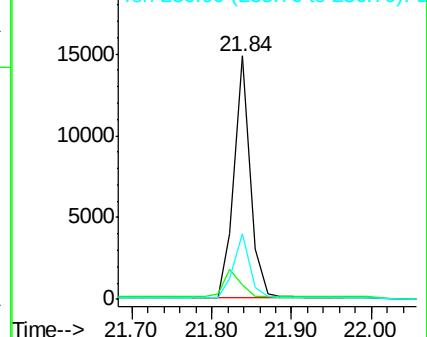
236 26.9 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.621 ng

RT: 20.28 min Scan# 1480

Delta R.T. -0.03 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

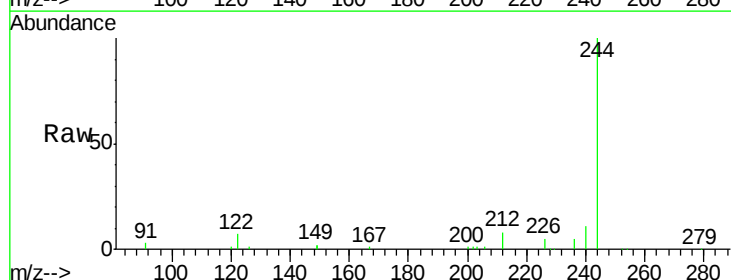
Tgt Ion:244 Resp: 24539

Ion Ratio Lower Upper

244 100

212 8.5 25.4 38.0#

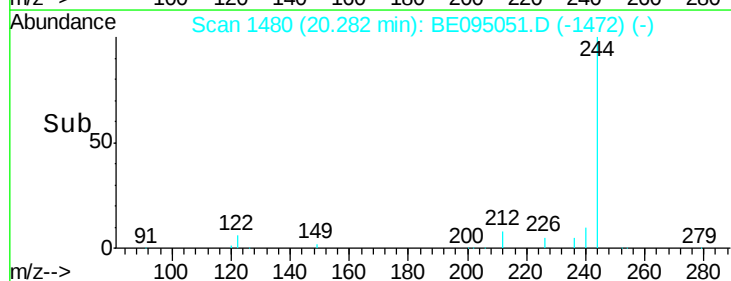
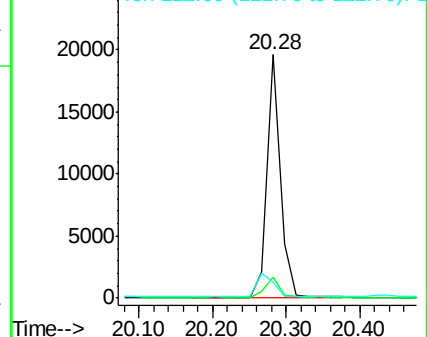
122 6.7 8.1 12.1#

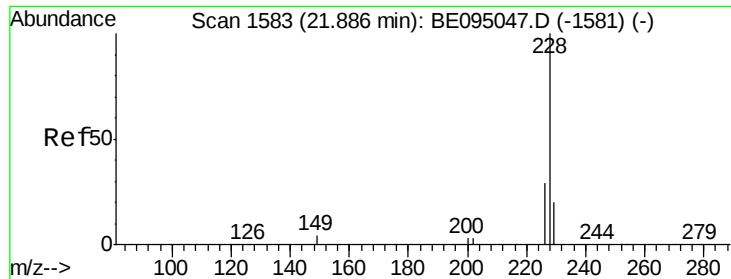


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#31

Chrysene

Concen: 0.020 ng

RT: 21.87 min Scan# 1582

Delta R.T. -0.05 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

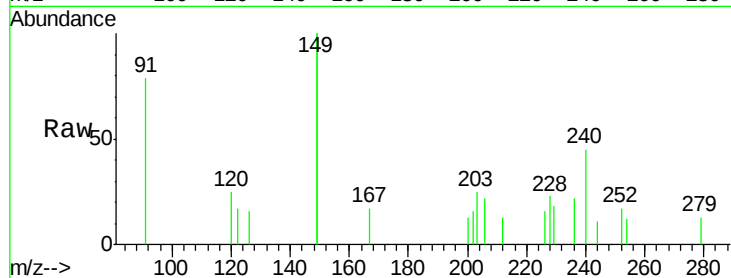
Tgt Ion: 228 Resp: 1382

Ion Ratio Lower Upper

228 100

226 69.8 40.0 60.0#

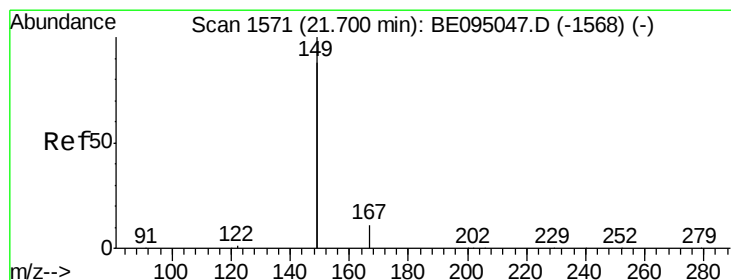
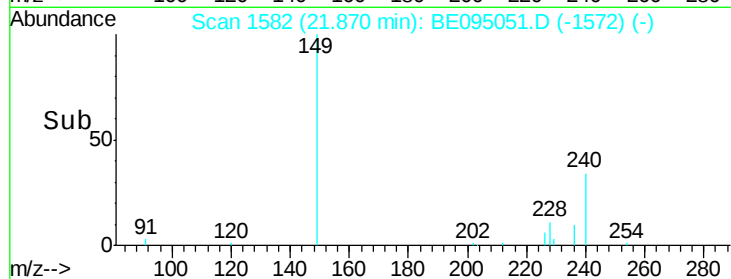
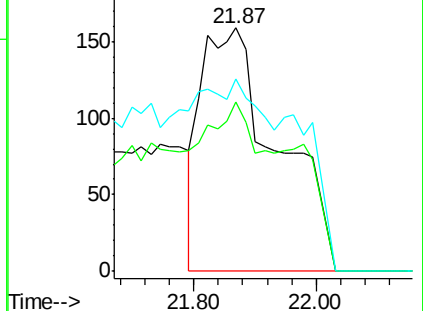
229 79.2 40.0 60.0#



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: 0.175 ng

RT: 21.70 min Scan# 1571

Delta R.T. -0.05 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

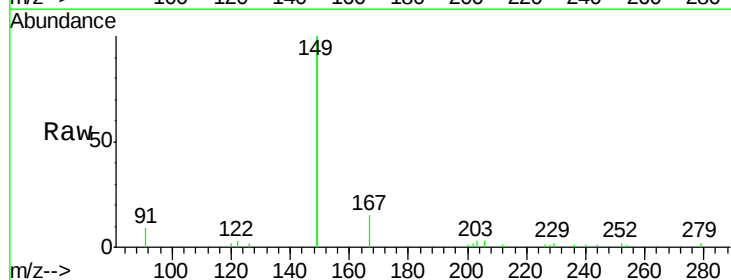
Tgt Ion: 149 Resp: 13681

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

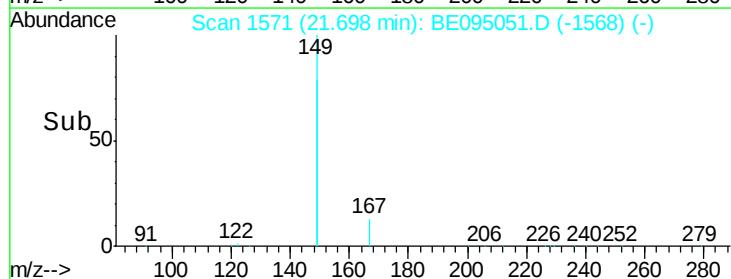
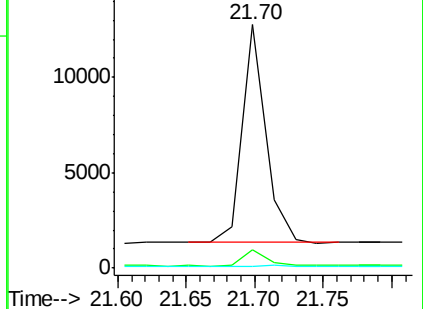
279 1.0 0.7 1.1

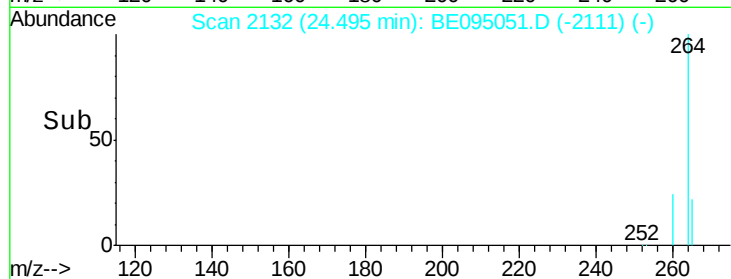
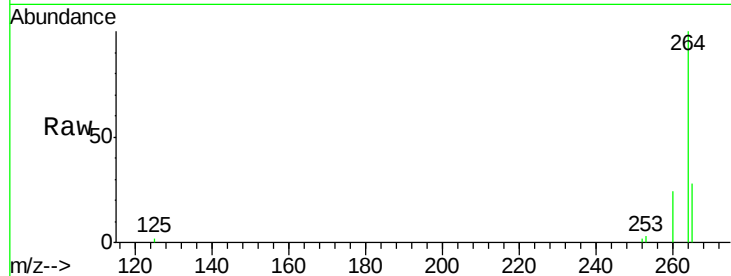
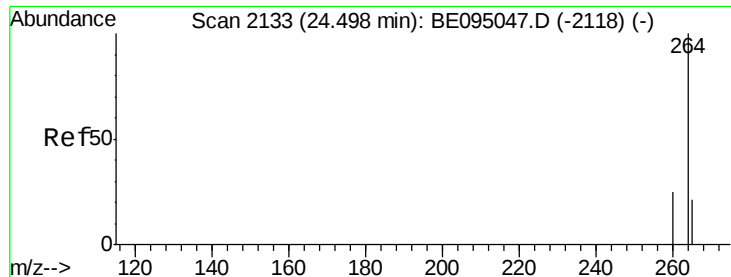


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2132

Delta R.T. -0.05 min

Lab File: BE095051.D

Acq: 26 Dec 2017 12:16

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-121817

Tgt Ion: 264 Resp: 18371

Ion Ratio Lower Upper

264 100

260 24.3 20.5 30.7

265 28.3 22.8 34.2

