

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091417\
 Data File : BE093999.D
 Acq On : 14 Sep 2017 11:04
 Operator : SJ/JU
 Sample : I5189-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02-090817

Quant Time: Sep 15 00:49:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	6218	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	38536	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	41095	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	61508	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	50656	0.40	ng	-0.01
34) Perylene-d12	23.93	264	44642	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	1059	0.05	ng	0.00
5) Phenol-d6	7.11	99	785	0.03	ng	0.00
8) Nitrobenzene-d5	9.06	82	3286	0.10	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	6062	0.10	ng	-0.02
14) 2,4,6-Tribromophenol	16.00	330	1669	0.13	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9572	0.06	ng	-0.01
25) Fluoranthene-d10	19.27	212	63888	0.07	ng	0.00
29) Terphenyl-d14	19.86	244	13747	0.15	ng	-0.02

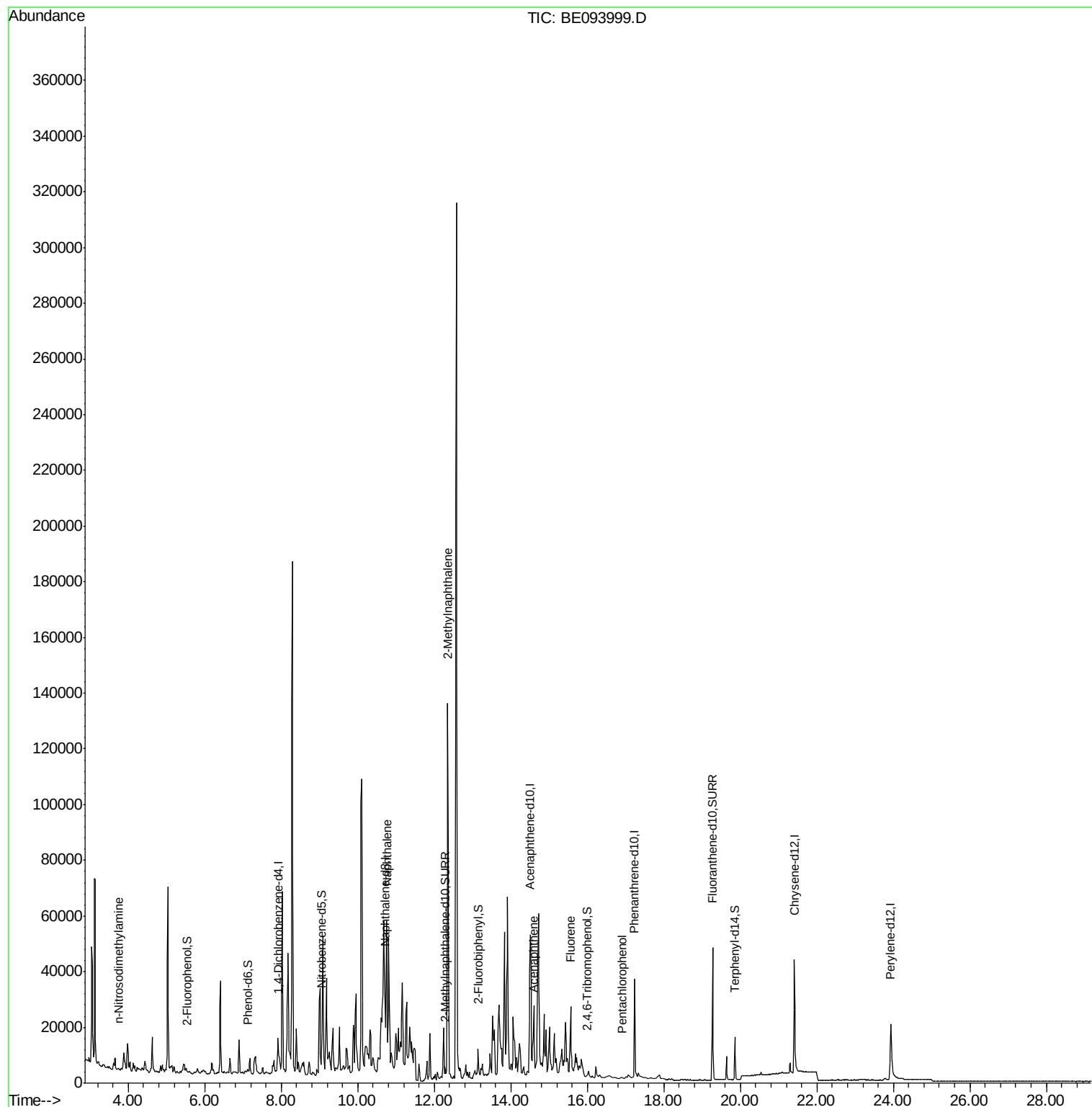
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.74	42	488	0.049	ng	# 1
9) Naphthalene	10.76	128	95734	0.217	ng	# 86
12) 2-Methylnaphthalene	12.35	142	99831	1.361	ng	# 99
17) Acenaphthene	14.58	154	4760	0.034	ng	# 61
18) Fluorene	15.56	166	11856	0.066	ng	# 82
20) 4-Bromophenyl-phenylether	16.42	248	59	Below Cal		# 1
22) Pentachlorophenol	16.91	266	548	0.056	ng	# 90
23) Phenanthrene	17.27	178	1216	Below Cal		# 63

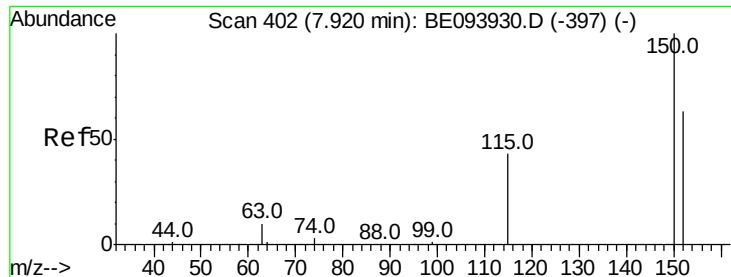
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 15 00:49:46 2017
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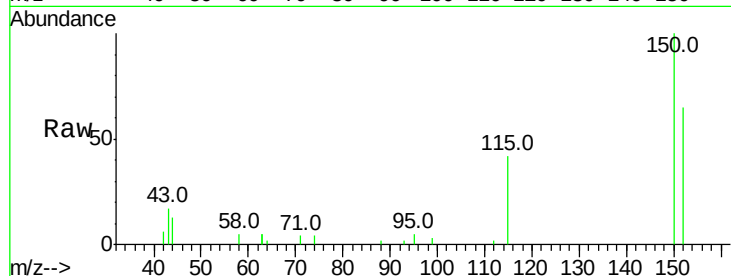


#1

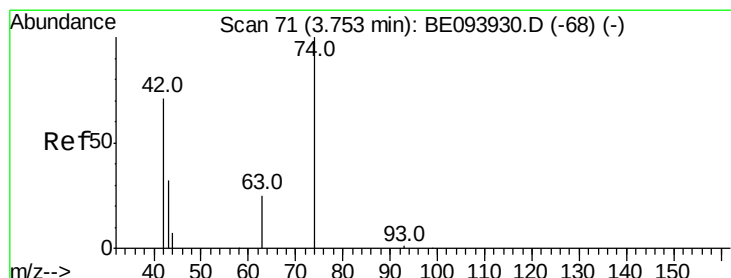
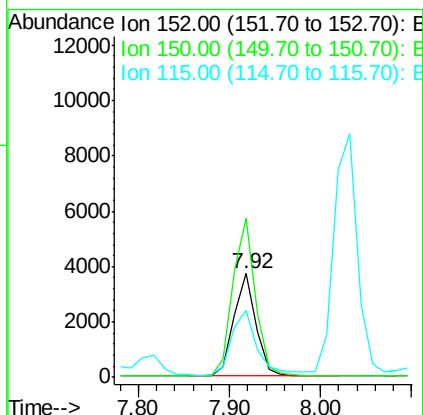
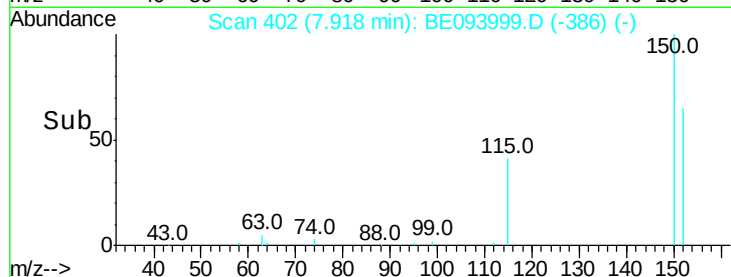
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093999.D
Acq: 14 Sep 2017 11:04

Instrument :
BNA_E
ClientSampleId :
PR-MW-02-090817

Tot Ion:152 Resp: 6218
Ion Ratio Lower Upper
152 100
150 153.8 121.8 182.6
115 64.7 52.6 79.0



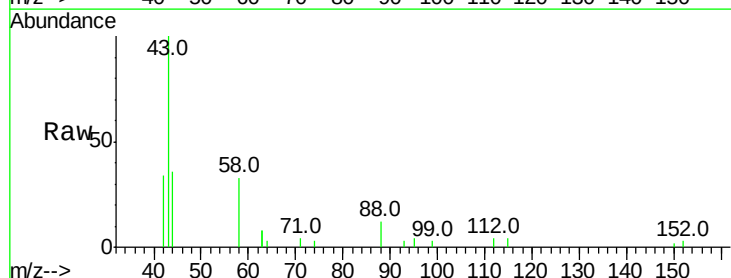
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



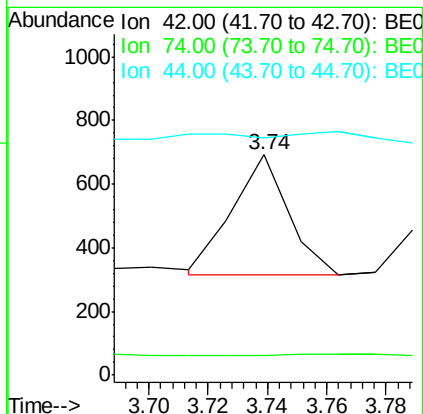
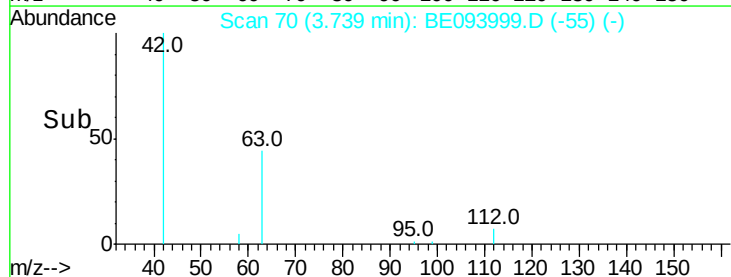
#3

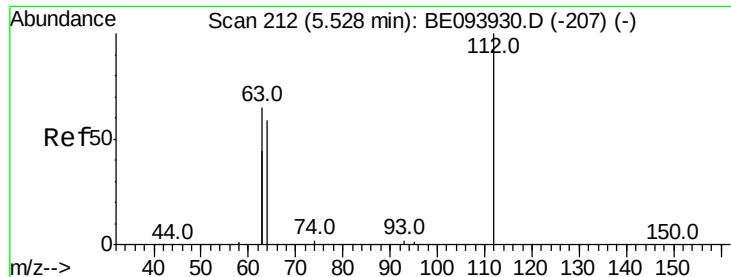
n-Nitrosodimethylamine
Concen: 0.049 ng
RT: 3.74 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE093999.D
Acq: 14 Sep 2017 11:04

Tgt Ion: 42 Resp: 488
Ion Ratio Lower Upper
42 100
74 0.0 104.0 156.0#
44 5.5 13.8 20.8#



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: 0.053 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

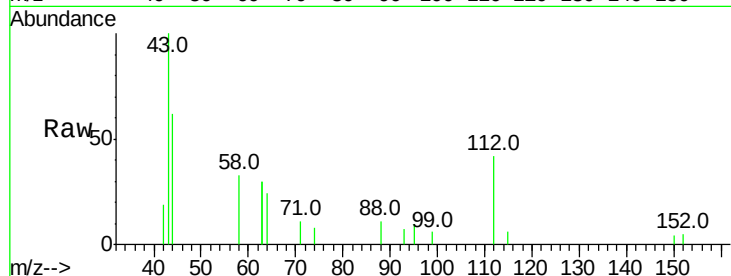
Tot Ion:112 Resp: 1059

Ion Ratio Lower Upper

112 100

64 62.7 57.7 86.5

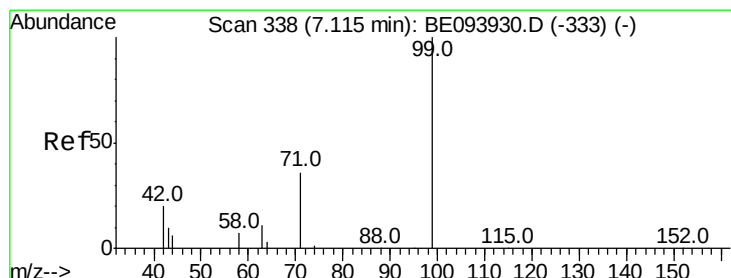
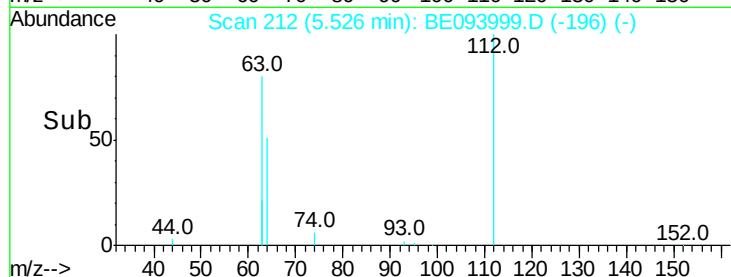
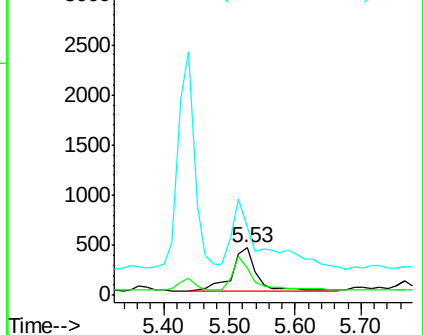
63 201.1 116.0 174.0#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.026 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

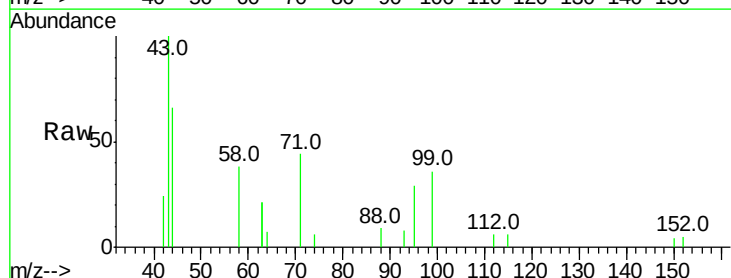
Tgt Ion: 99 Resp: 785

Ion Ratio Lower Upper

99 100

42 24.2 17.1 25.7

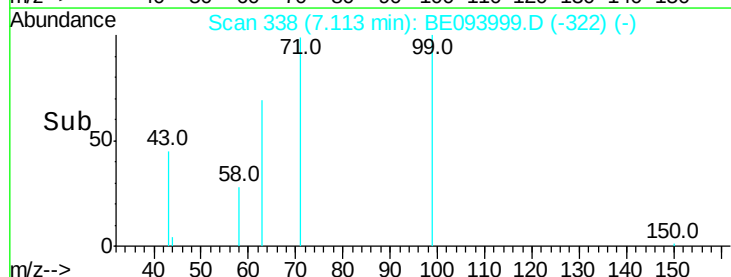
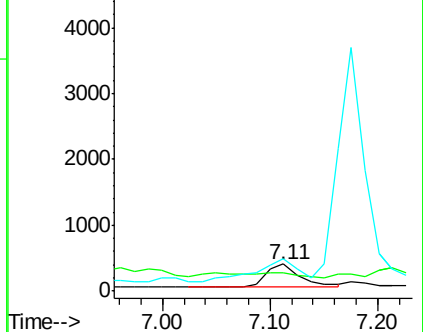
71 118.3 26.6 39.8#

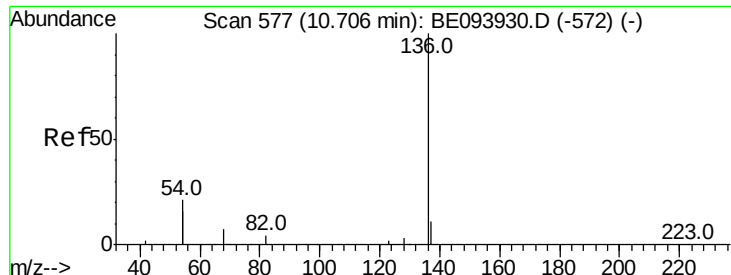


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

Tot Ion:136 Resp: 38536

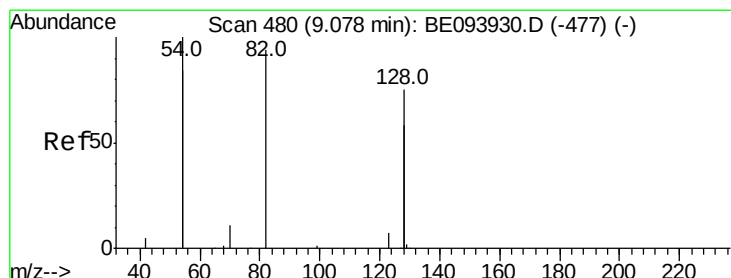
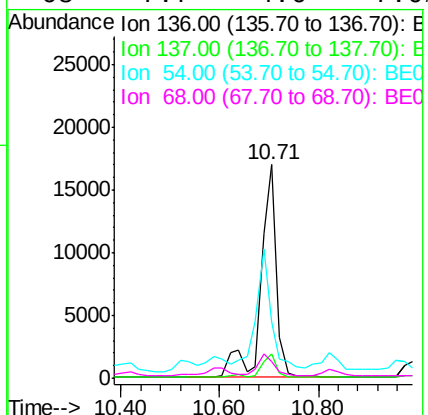
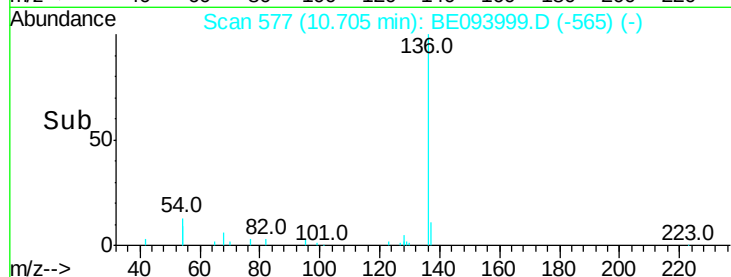
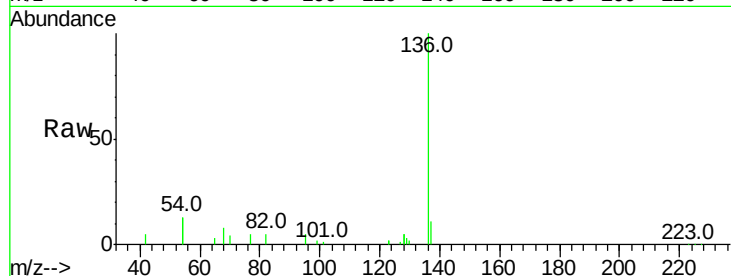
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 26.5 21.9 32.9

68 7.7 4.6 7.0#



#8

Nitrobenzene-d5

Concen: 0.101 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

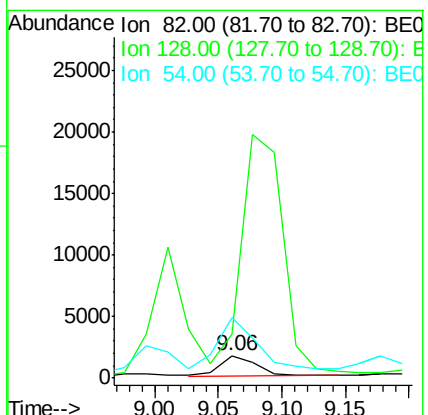
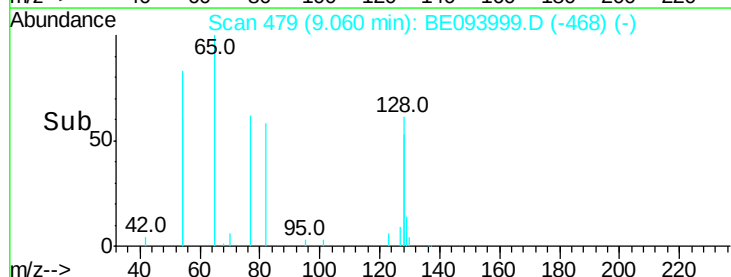
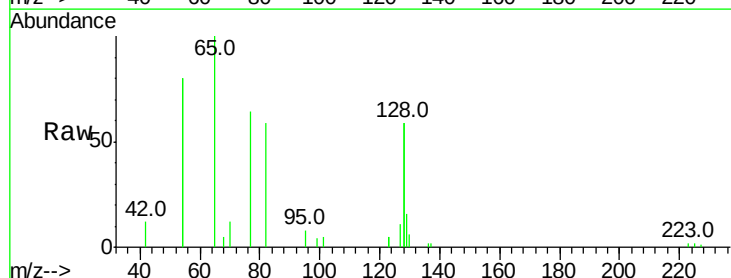
Tgt Ion: 82 Resp: 3286

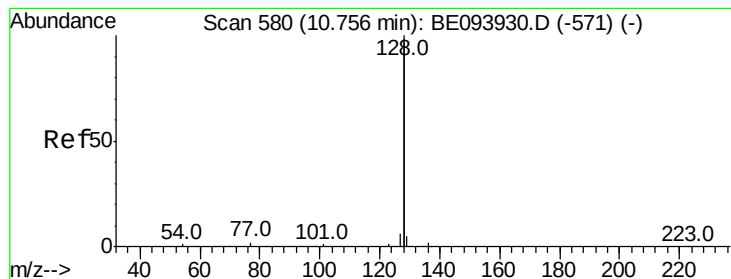
Ion Ratio Lower Upper

82 100

128 199.1 91.4 137.0#

54 270.5 197.8 296.8





#9

Naphthalene

Concen: 0.217 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

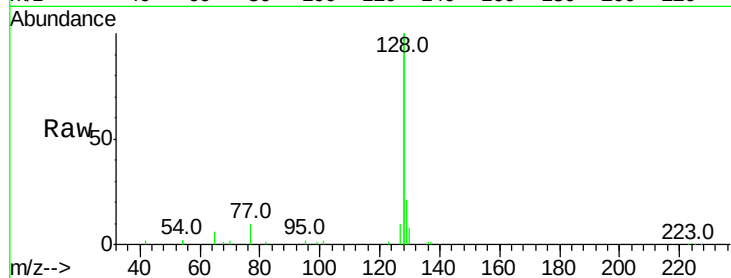
Tot Ion:128 Resp: 95734

Ion Ratio Lower Upper

128 100

129 10.7 2.5 3.7#

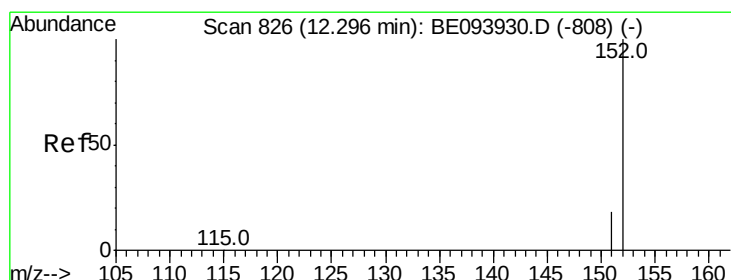
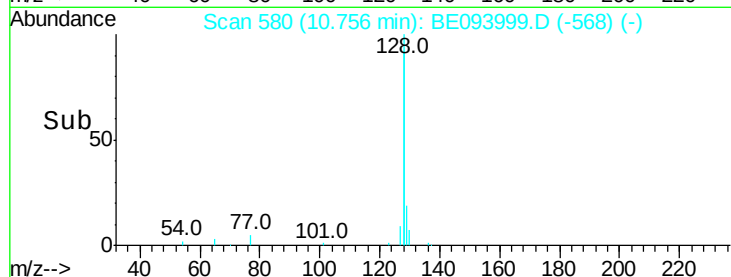
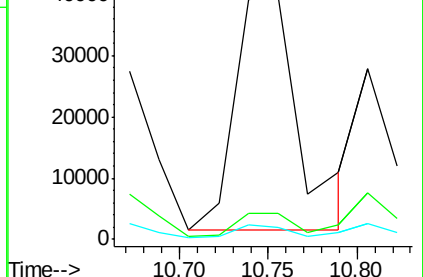
127 5.1 2.6 4.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.098 ng

RT: 12.28 min Scan# 822

Delta R.T. -0.02 min

Lab File: BE093999.D

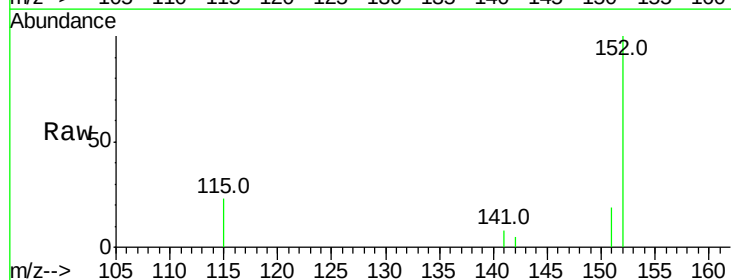
Acq: 14 Sep 2017 11:04

Tgt Ion:152 Resp: 6062

Ion Ratio Lower Upper

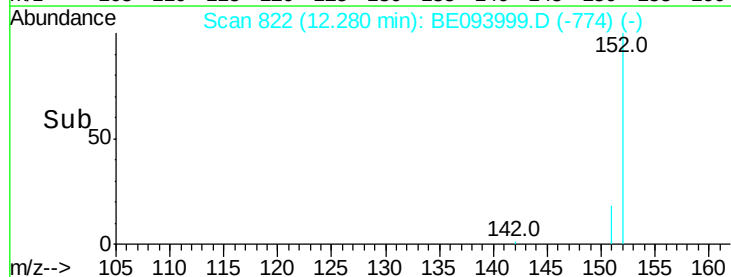
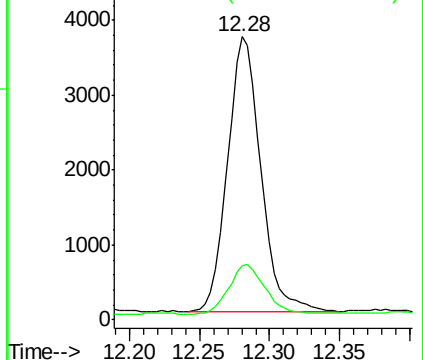
152 100

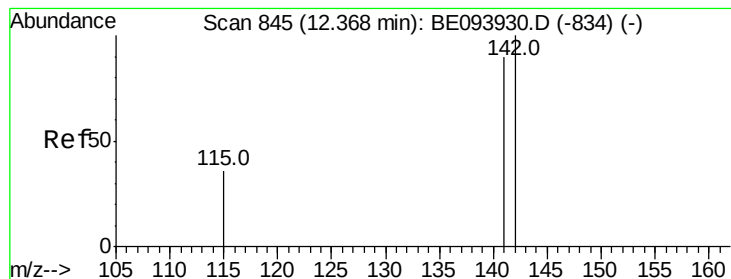
151 20.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 1.361 ng

RT: 12.35 min Scan# 841

Delta R.T. -0.02 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

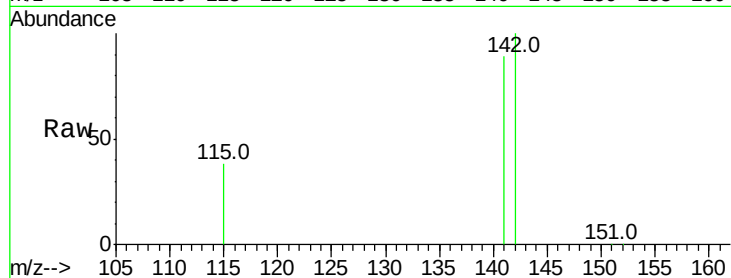
Tot Ion:142 Resp: 99831

Ion Ratio Lower Upper

142 100

141 89.3 71.4 107.2

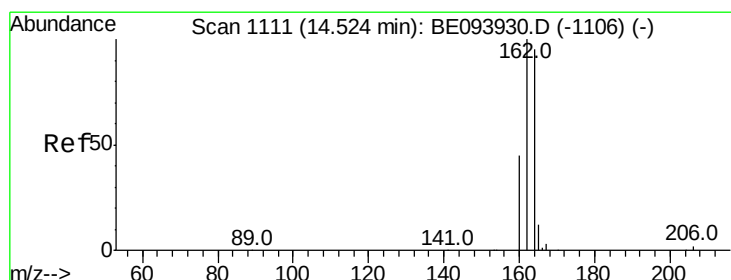
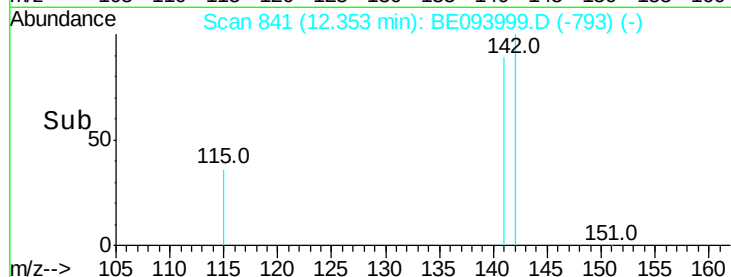
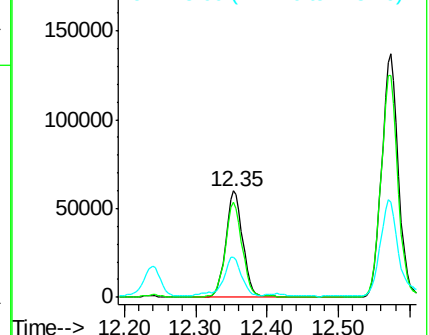
115 38.3 29.4 44.0



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: 14.51 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

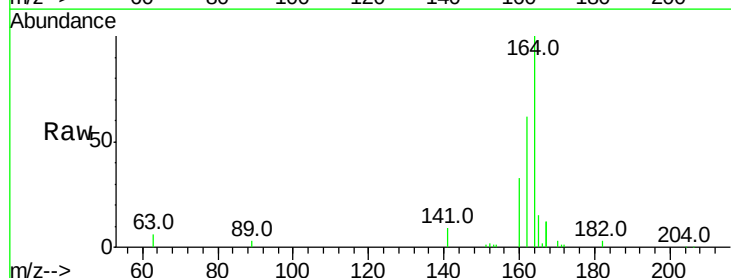
Tgt Ion:164 Resp: 41095

Ion Ratio Lower Upper

164 100

162 62.0 80.8 121.2#

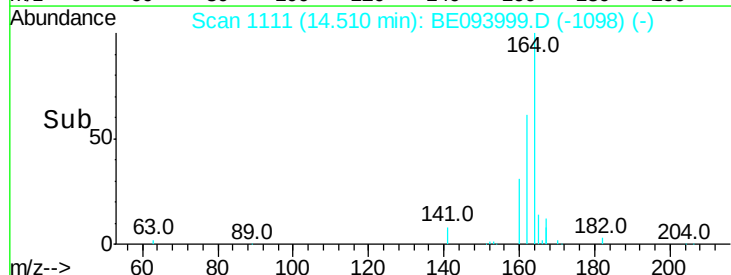
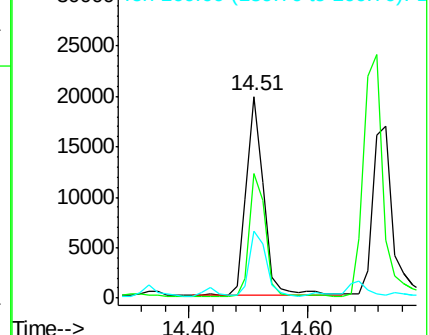
160 33.5 37.0 55.4#

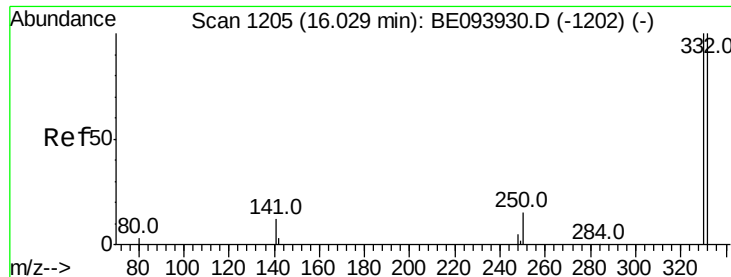


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.131 ng

RT: 16.00 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

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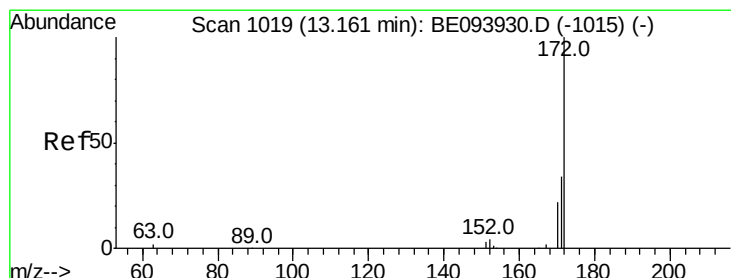
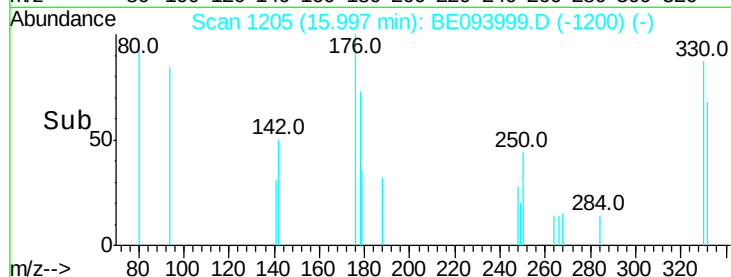
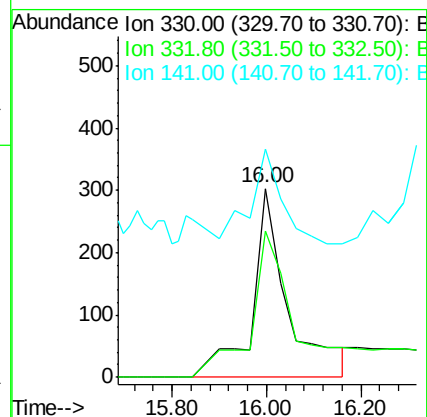
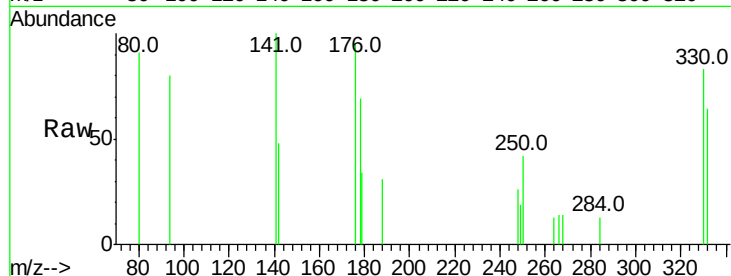
Tot Ion:330 Resp: 1669

Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

141 41.0 0.0 0.0#



#15

2-Fluorobiphenyl

Concen: 0.059 ng

RT: 13.15 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

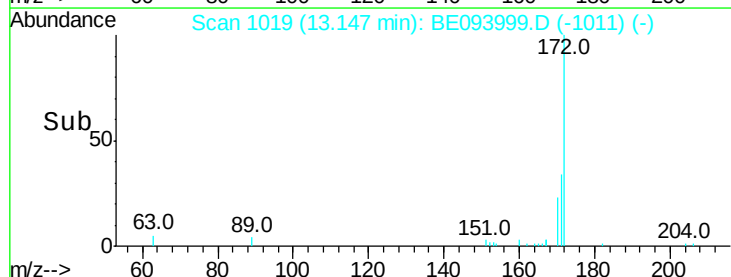
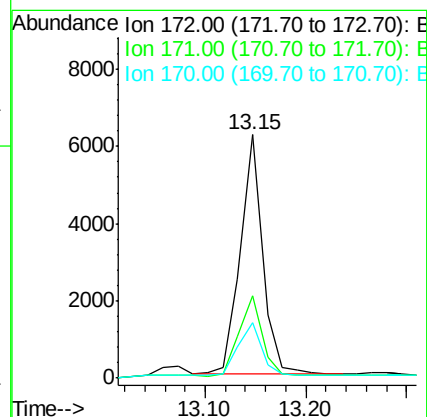
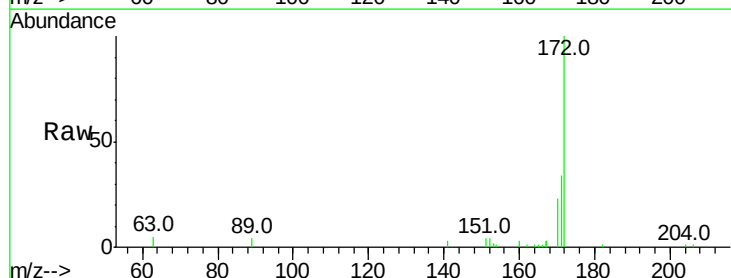
Tgt Ion:172 Resp: 9572

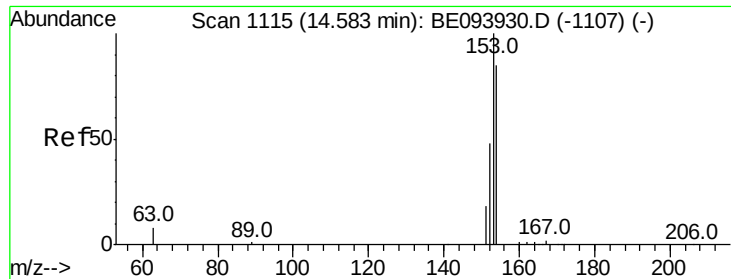
Ion Ratio Lower Upper

172 100

171 34.0 26.9 40.3

170 22.5 17.3 25.9





#17

Acenaphthene

Concen: 0.034 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

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PR-MW-02-090817

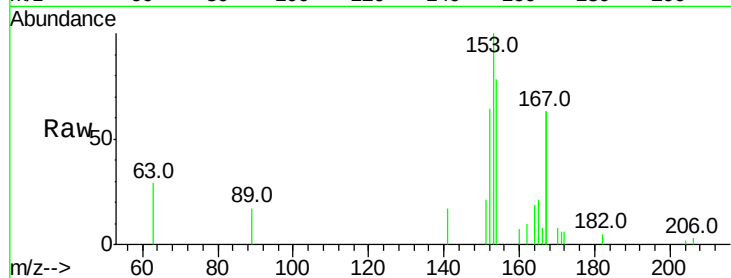
Tot Ion:154 Resp: 4760

Ion Ratio Lower Upper

154 100

153 144.6 91.8 137.6#

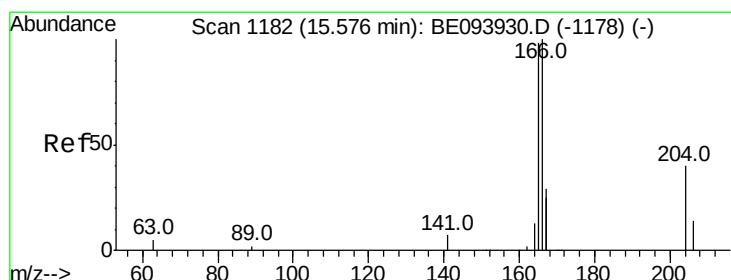
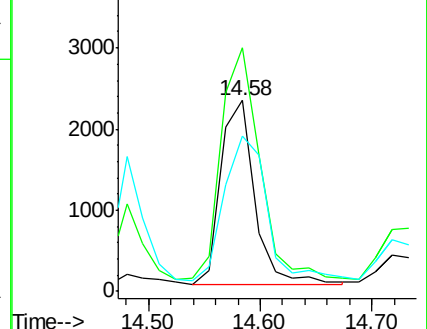
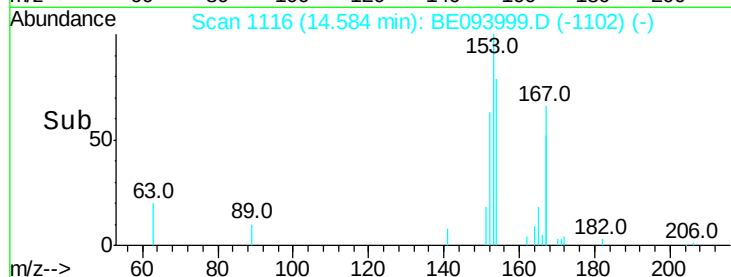
152 100.6 44.9 67.3#



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: 0.066 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

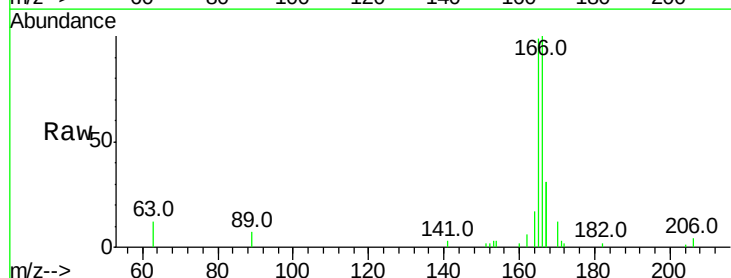
Tgt Ion:166 Resp: 11856

Ion Ratio Lower Upper

166 100

165 99.8 79.4 119.0

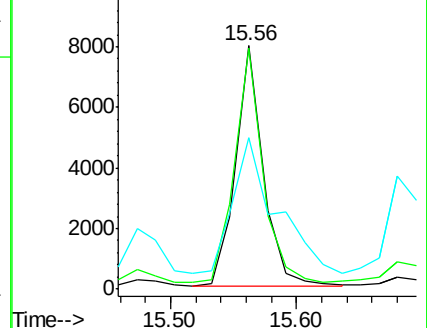
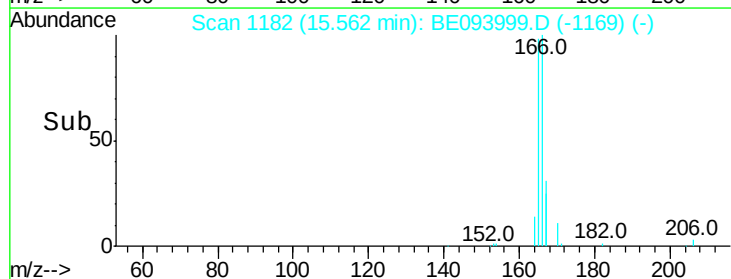
167 89.8 43.5 65.3#

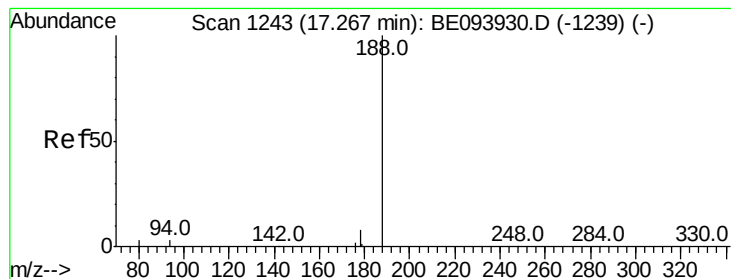


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

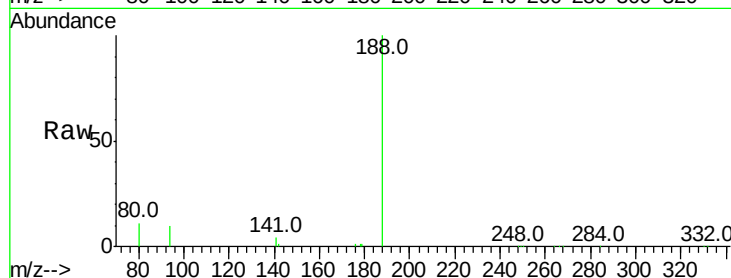
Tot Ion:188 Resp: 61508

Ion Ratio Lower Upper

188 100

94 10.3 16.1 24.1#

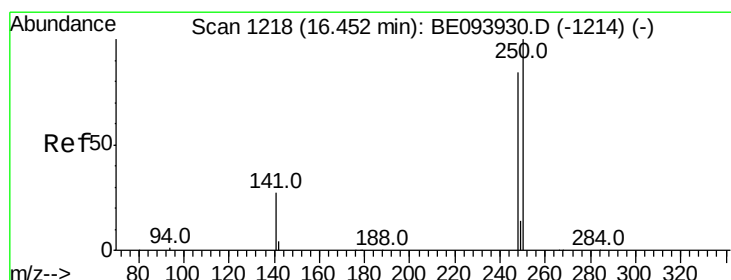
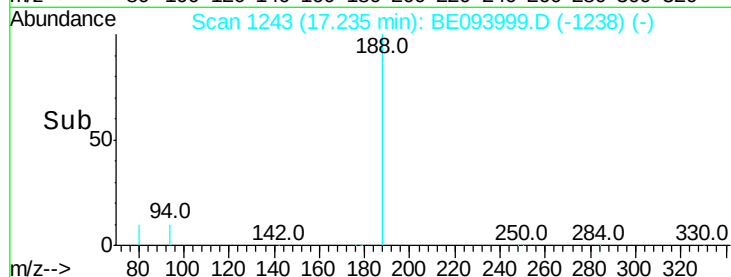
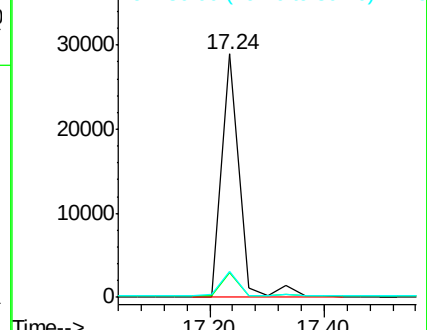
80 10.5 18.2 27.2#



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.42 min Scan# 1218

Delta R.T. -0.03 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

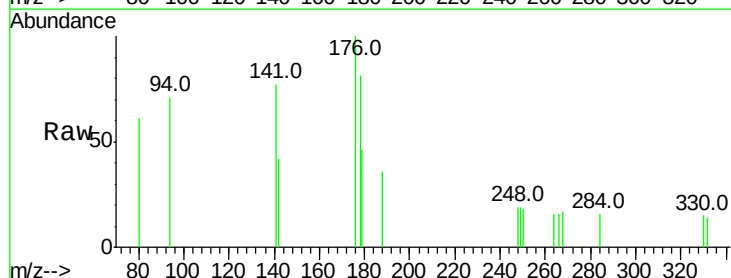
Tgt Ion:248 Resp: 59

Ion Ratio Lower Upper

248 100

250 93.2 111.8 167.8#

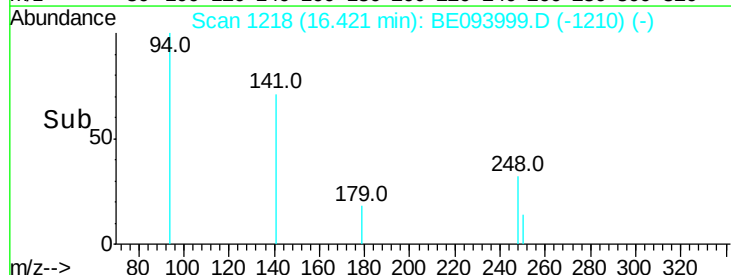
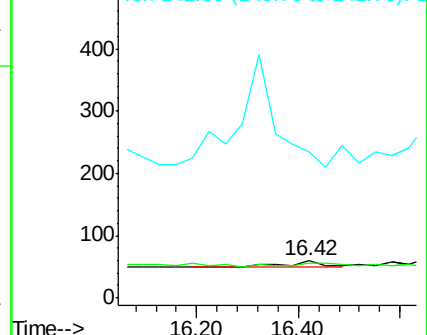
141 398.3 27.1 40.7#

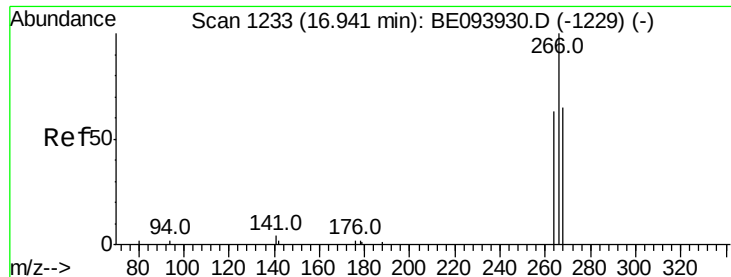


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.056 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

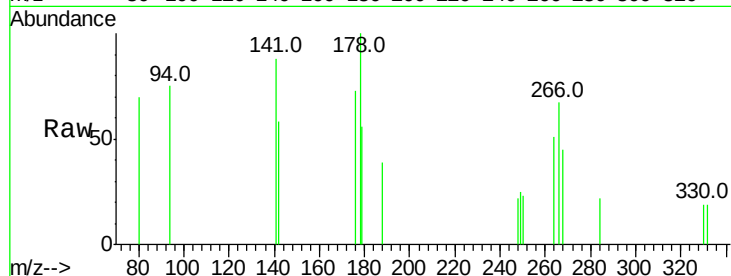
Tot Ion:266 Resp: 548

Ion Ratio Lower Upper

266 100

264 76.4 53.5 80.3

268 68.2 60.0 90.0



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

16.91

150

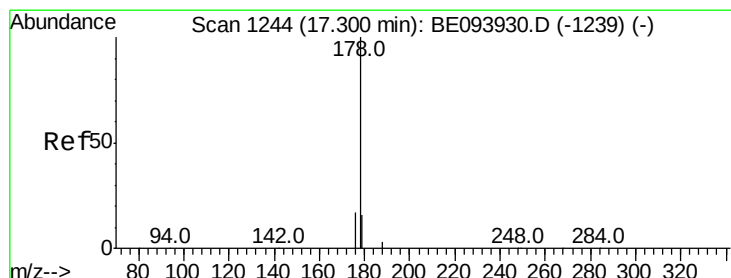
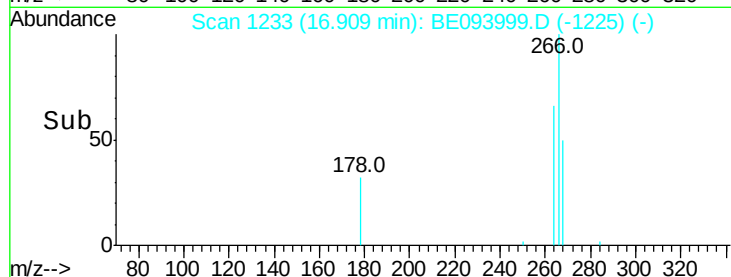
100

50

0

16.60 16.80 17.00

Time-->



#23

Phenanthrene

Concen: Below Cal

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

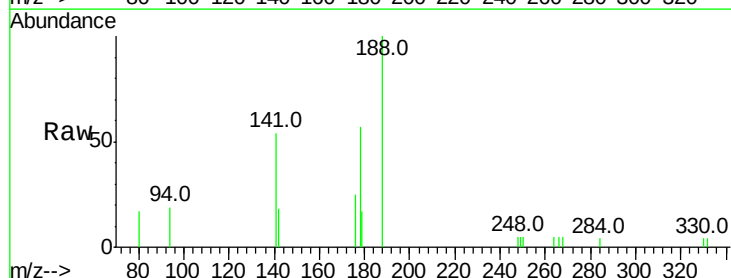
Tgt Ion:178 Resp: 1216

Ion Ratio Lower Upper

178 100

176 23.9 0.0 0.0#

179 0.0 12.6 18.8#



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

17.27

800

600

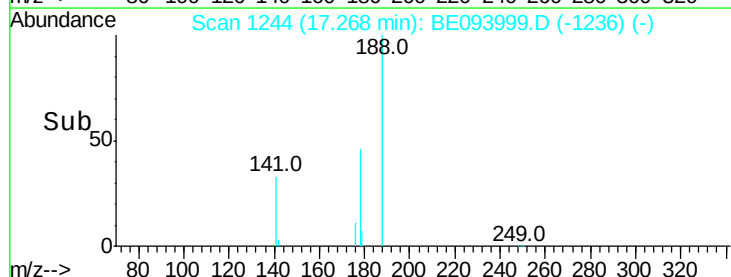
400

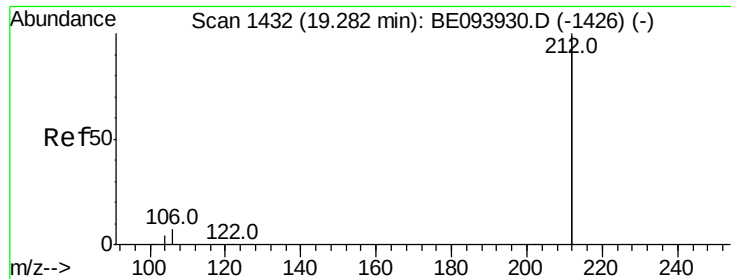
200

0

17.10 17.20 17.30

Time-->





#25

Fluoranthene-d10

Concen: 0.070 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

Instrument :

BNA_E

ClientSampleId :

PR-MW-02-090817

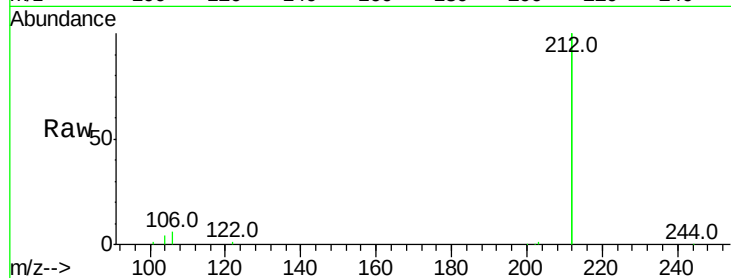
Tot Ion:212 Resp: 63888

Ion Ratio Lower Upper

212 100

106 3.5 2.7 4.1

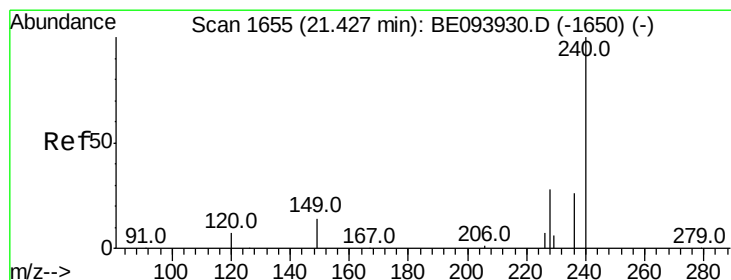
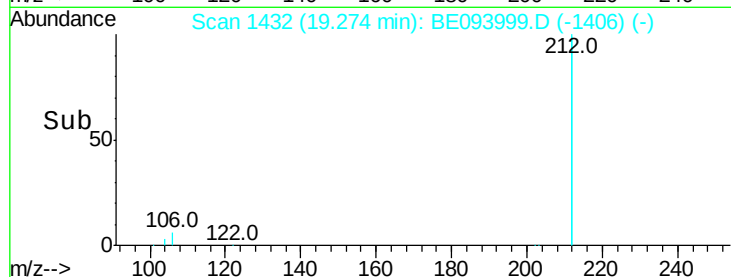
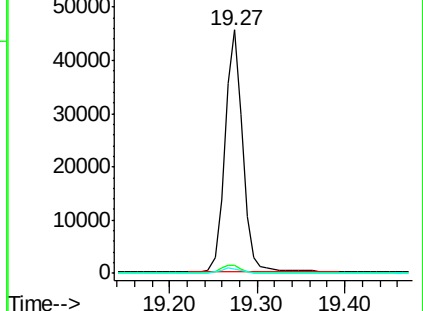
104 2.0 1.6 2.4



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: 0.400 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093999.D

Acq: 14 Sep 2017 11:04

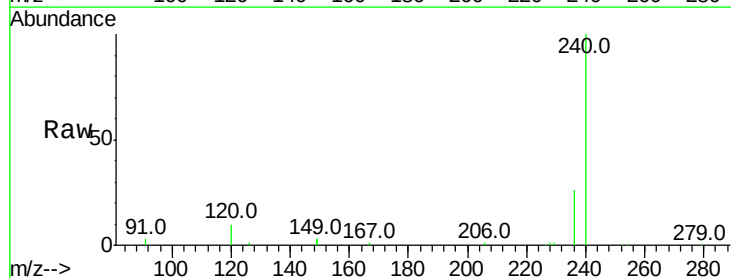
Tgt Ion:240 Resp: 50656

Ion Ratio Lower Upper

240 100

120 10.0 8.7 13.1

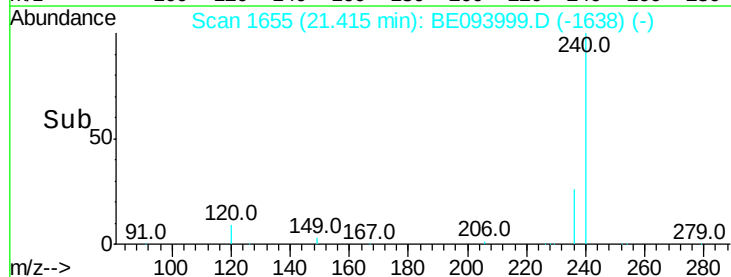
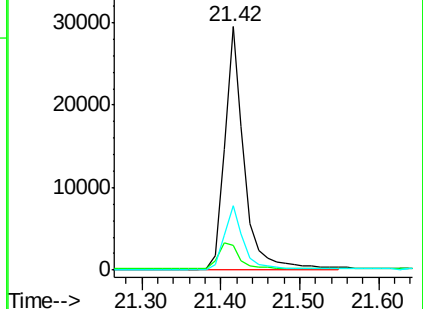
236 26.3 21.3 31.9

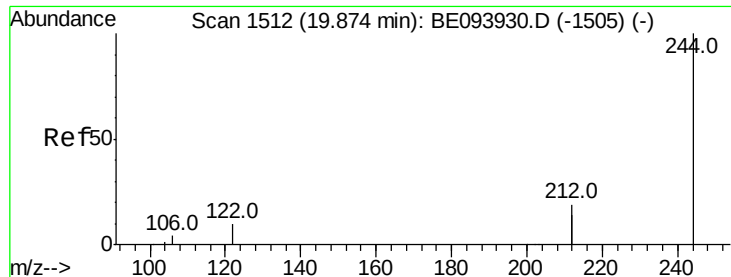


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

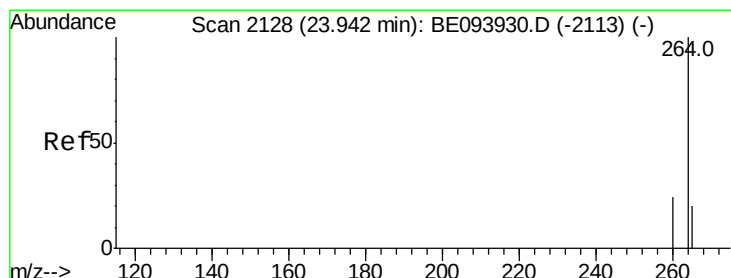
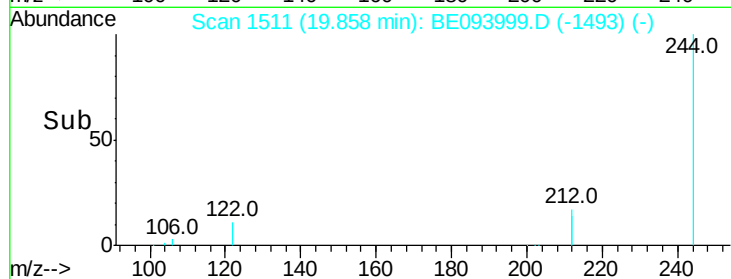
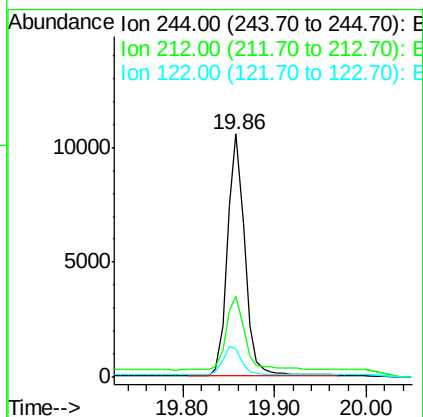
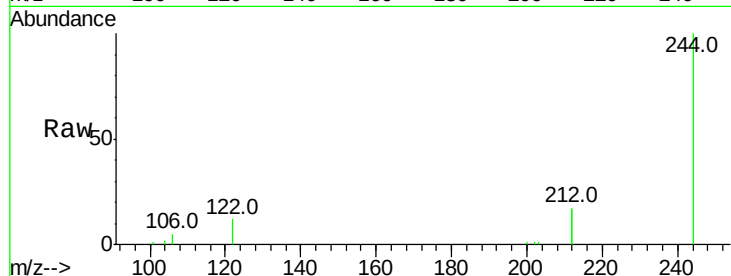




#29
 Terphenyl-d14
 Concen: 0.147 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.02 min
 Lab File: BE093999.D
 Acq: 14 Sep 2017 11:04

Instrument :
 BNA_E
 ClientSampleId :
 PR-MW-02-090817

Tot Ion:244 Resp: 13747
 Ion Ratio Lower Upper
 244 100
 212 33.5 28.3 42.5
 122 11.6 9.4 14.0



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.93 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BE093999.D
 Acq: 14 Sep 2017 11:04

Tgt Ion:264 Resp: 44642
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.0 30.0
 265 24.7 24.0 36.0

