

Data Path : Z:\HPCHEM1\BNA E\Data\BE070717\
 Data File : BE093442.D
 Acq On : 7 Jul 2017 14:28
 Operator : SJ/JU
 Sample : I4009-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-BR-P-2-20170629

Quant Time: Jul 07 18:07:46 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 06:40:23 2017
 Response via : Initial Calibration

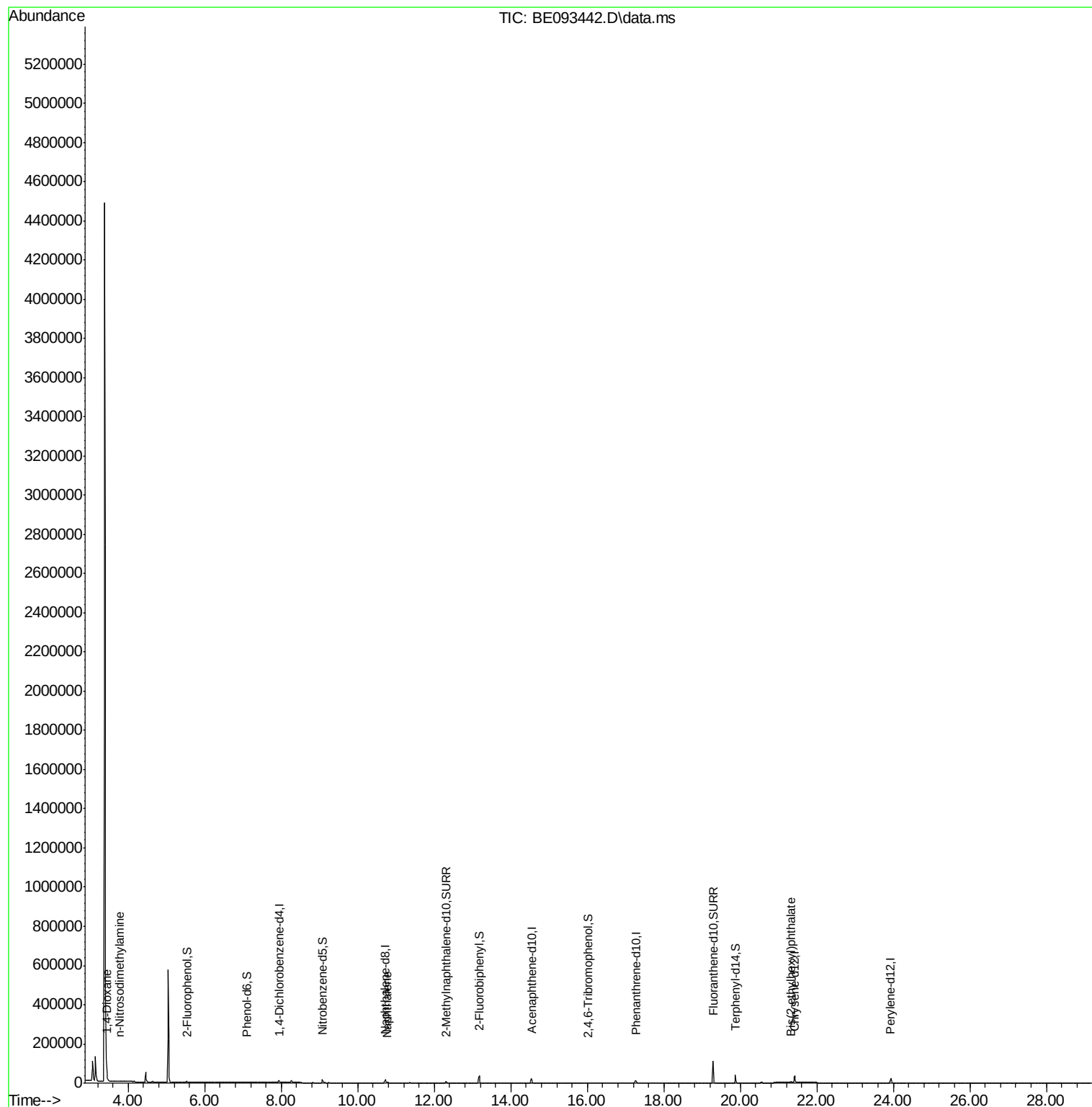
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.946	152	4246	0.40	ng	0.00
7) Naphthalene-d8	10.723	136	21504	0.40	ng	0.00
13) Acenaphthene-d10	14.539	164	13952	0.40	ng	0.00
19) Phenanthrene-d10	17.268	188	31973	0.40	ng	0.00
27) Chrysene-d12	21.426	240	38606	0.40	ng	0.00
34) Perylene-d12	23.934	264	33039	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.529	112	2017	0.16	ng	0.00
5) Phenol-d6	7.103	99	1922	0.10	ng	0.00
8) Nitrobenzene-d5	9.078	82	5981	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.306	152	12080	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.030	330	1428	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.176	172	41193	0.76	ng	0.00
25) Fluoranthene-d10	19.290	212	158021	0.41	ng	0.00
29) Terphenyl-d14	19.874	244	33518	0.49	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.452	88	1563	0.17	ng	# 20
3) n-Nitrosodimethylamine	3.766	42	465	0.20	ng	# 1
9) Naphthalene	10.774	128	4989	0.02	ng	# 76
22) Pentachlorophenol	16.910	266	37	Below Cal		89
32) Bis(2-ethylhexyl)phtha...	21.326	149	9779	0.07	ng	# 65

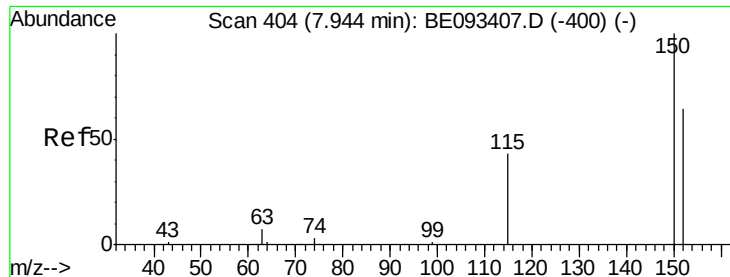
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.946 min Scan# 40

Delta R.T. 0.002 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

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BNA_E

ClientSampleId :

MW-BR-P-2-20170629

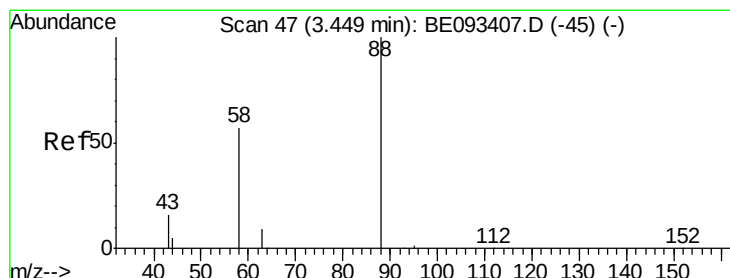
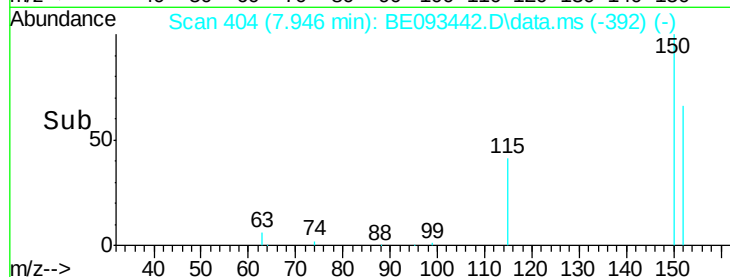
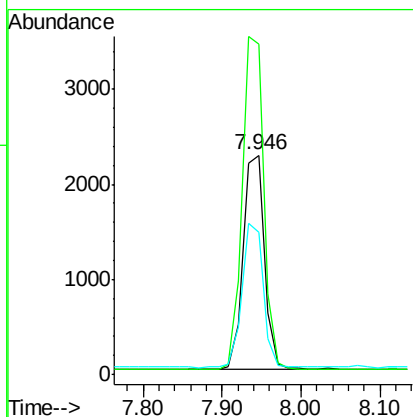
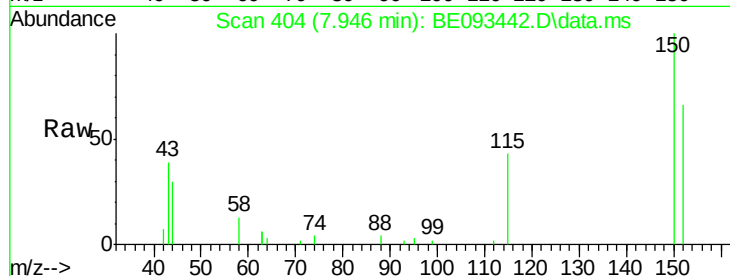
Tot Ion:152 Resp: 4246

Ion Ratio Lower Upper

152 100

150 150.9 125.1 187.7

115 64.9 55.7 83.5



#2

1,4-Dioxane

Concen: 0.17 ng

RT: 3.452 min Scan# 47

Delta R.T. 0.002 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

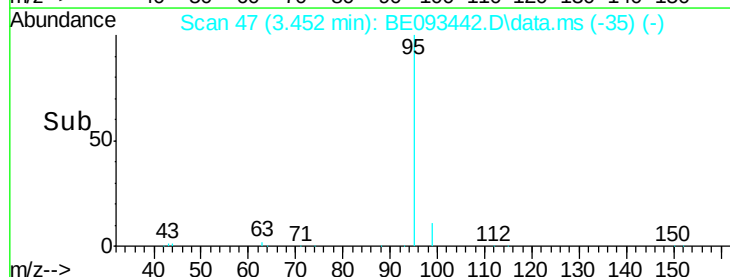
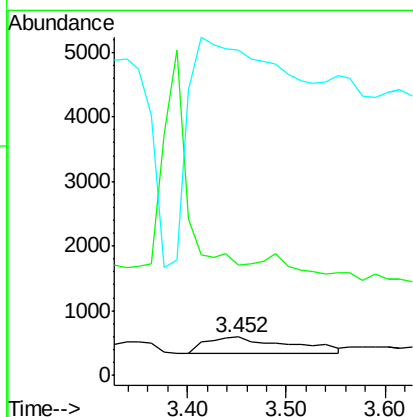
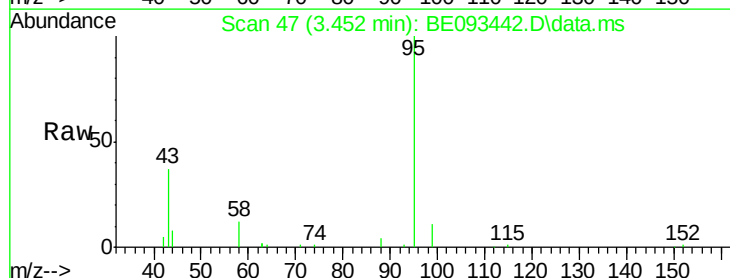
Tgt Ion: 88 Resp: 1563

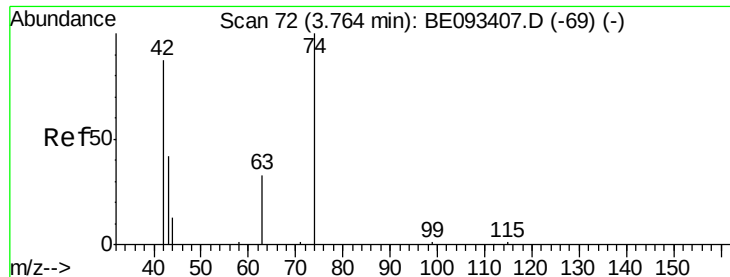
Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

43 0.0 23.2 34.8#





#3

n-Nitrosodimethylamine

Concen: 0.20 ng

RT: 3.766 min Scan# 72

Delta R.T. 0.003 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

MW-BR-P-2-20170629

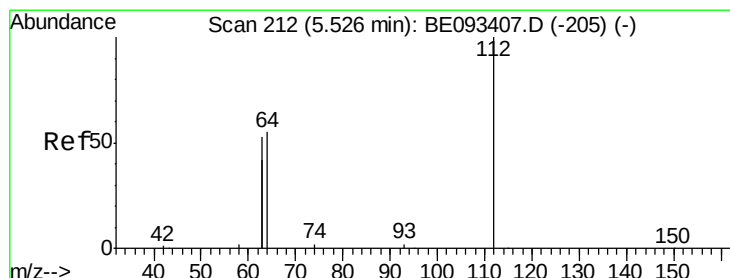
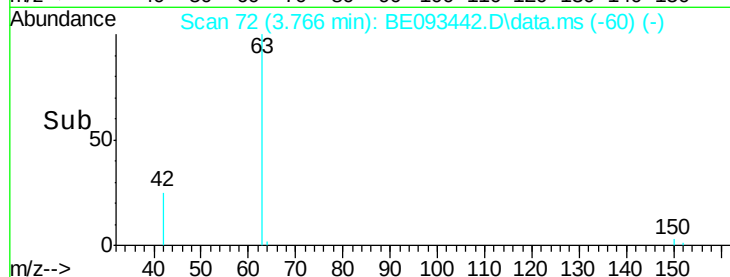
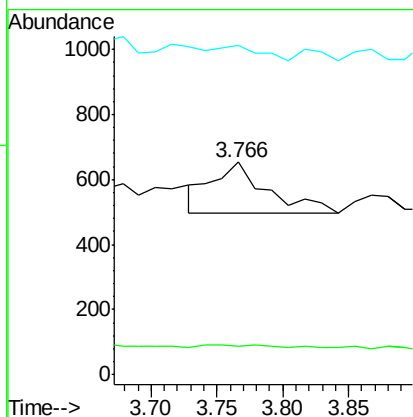
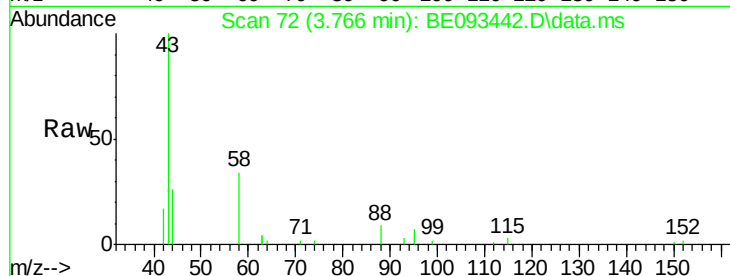
Tot Ion: 42 Resp: 465

Ion Ratio Lower Upper

42 100

74 0.0 99.1 148.7#

44 0.0 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.16 ng

RT: 5.529 min Scan# 212

Delta R.T. 0.002 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

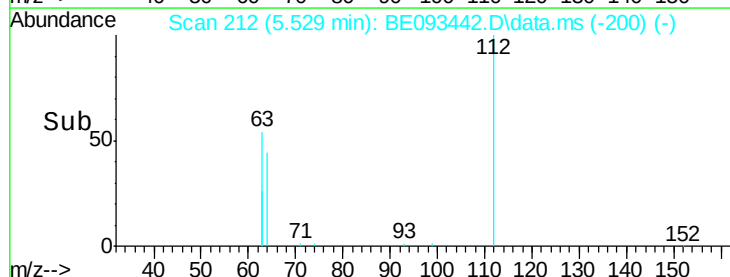
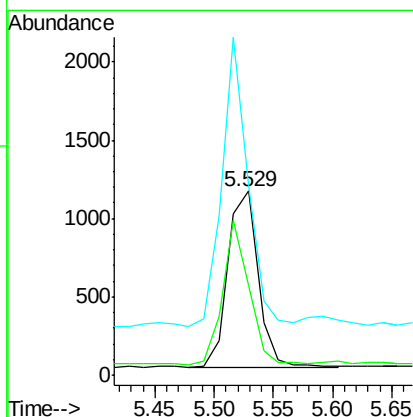
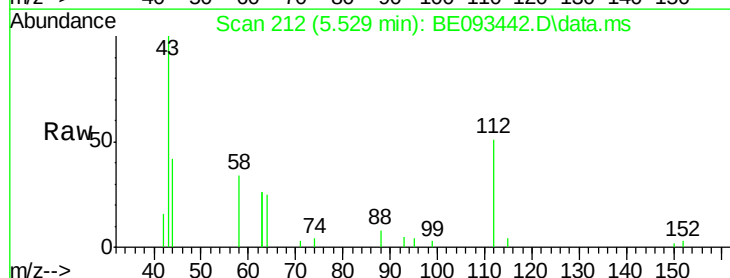
Tgt Ion: 112 Resp: 2017

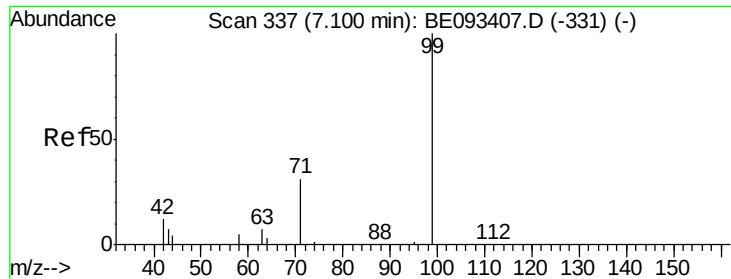
Ion Ratio Lower Upper

112 100

64 70.0 56.4 84.6

63 139.0 29.3 43.9#





#5

Phenol-d6

Concen: 0.10 ng

RT: 7.103 min Scan# 33

Delta R.T. 0.002 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

MW-BR-P-2-20170629

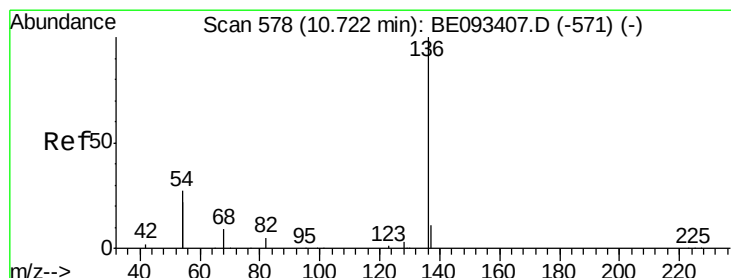
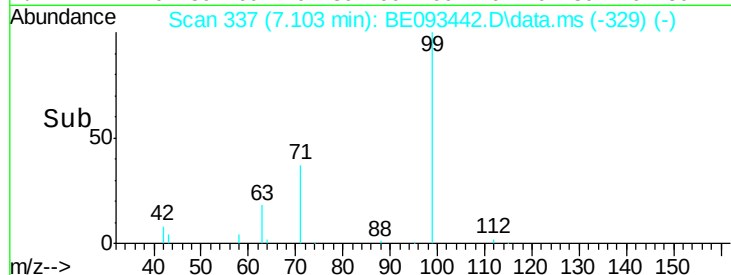
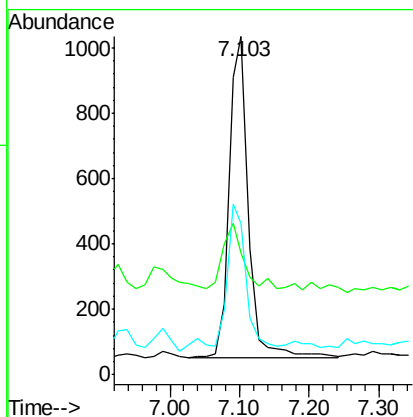
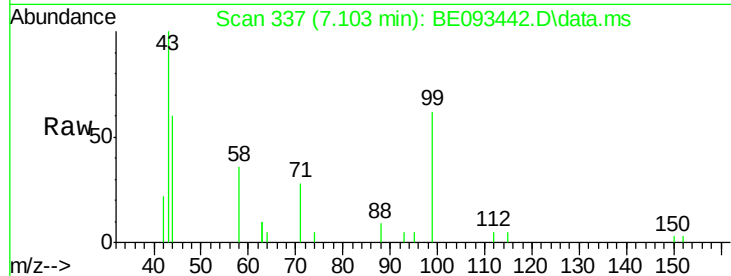
Tot Ion: 99 Resp: 1922

Ion Ratio Lower Upper

99 100

42 22.5 0.0 0.0#

71 42.1 0.0 0.0#



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.723 min Scan# 578

Delta R.T. 0.001 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Tgt Ion: 136 Resp: 21504

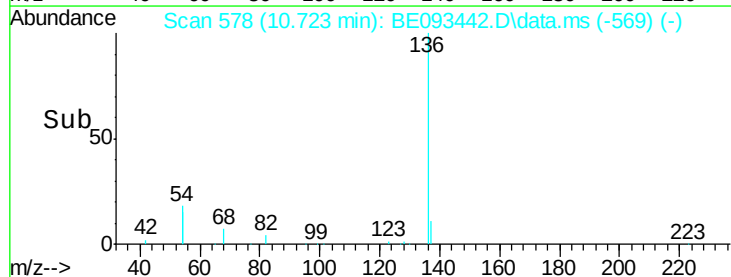
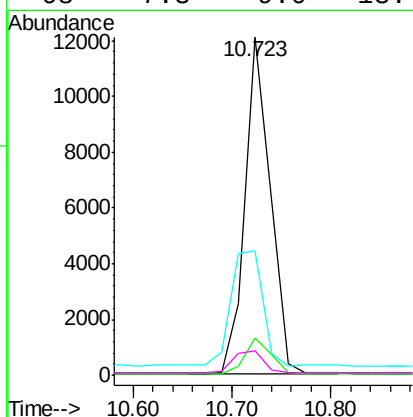
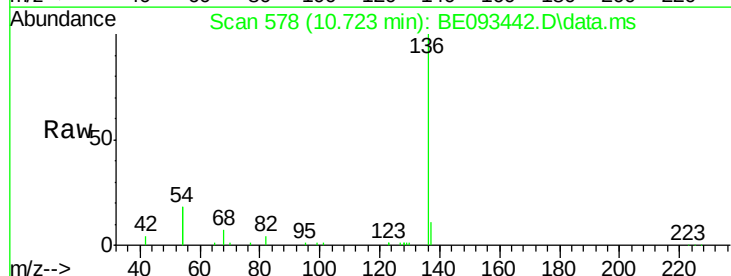
Ion Ratio Lower Upper

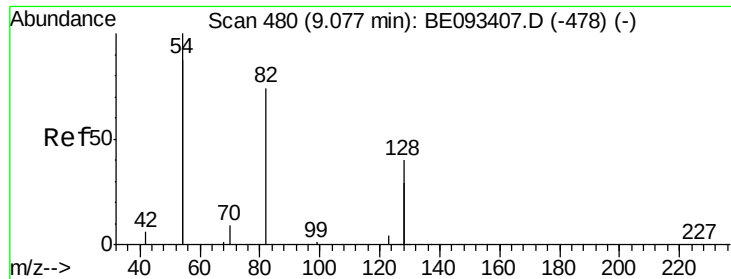
136 100

137 11.1 9.8 14.8

54 36.7 10.3 15.5#

68 7.3 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.44 ng

RT: 9.078 min Scan# 48

Delta R.T. 0.001 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

MW-BR-P-2-20170629

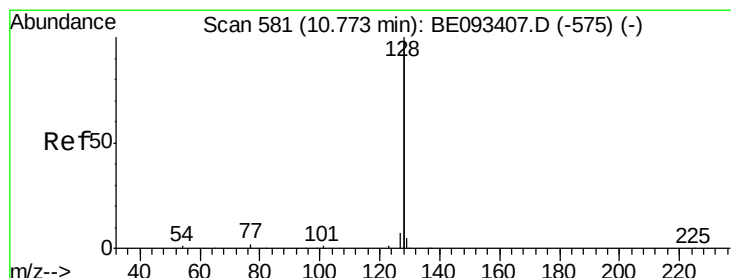
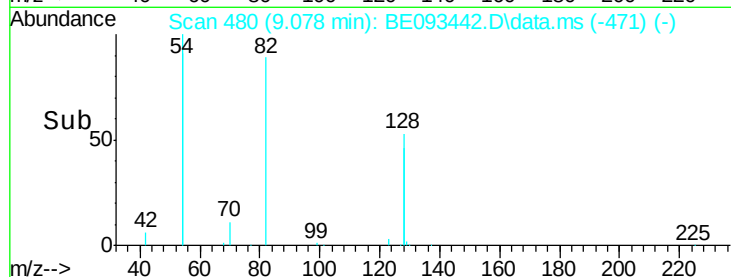
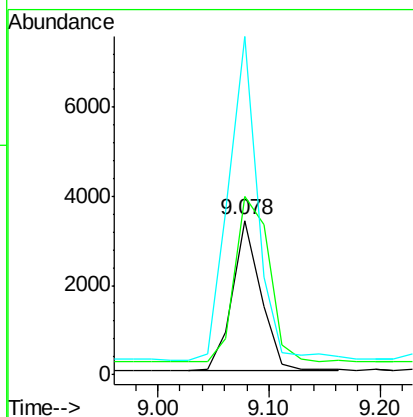
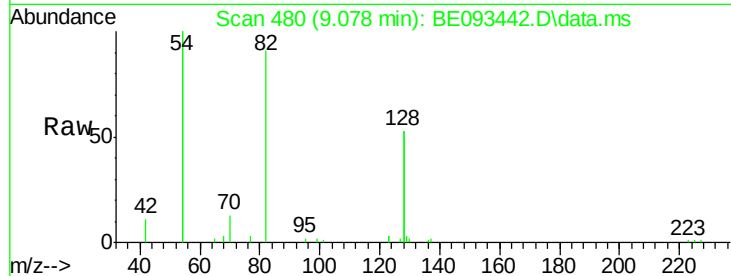
Tot Ion: 82 Resp: 5981

Ion Ratio Lower Upper

82 100

128 116.0 17.0 25.4#

54 219.5 53.8 80.6#



#9

Naphthalene

Concen: 0.02 ng

RT: 10.774 min Scan# 581

Delta R.T. 0.001 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

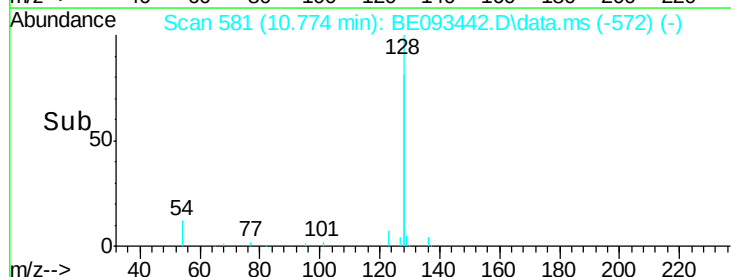
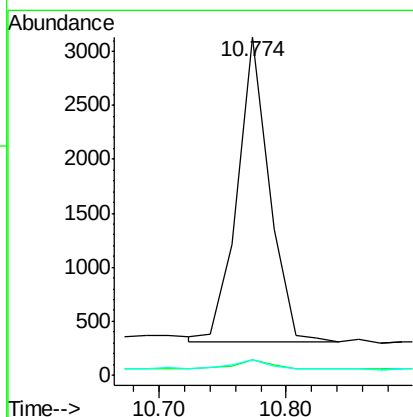
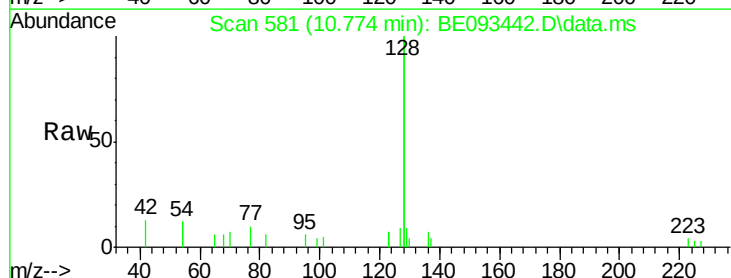
Tgt Ion: 128 Resp: 4989

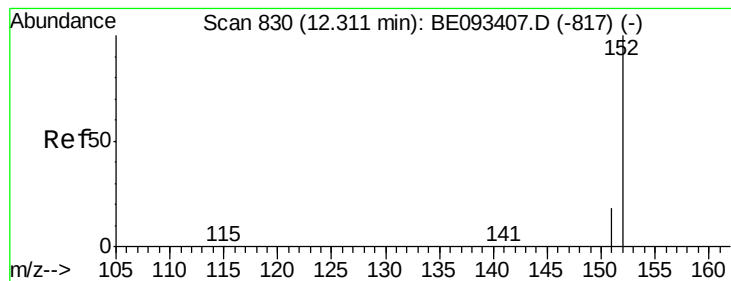
Ion Ratio Lower Upper

128 100

129 4.4 11.4 17.0#

127 4.5 11.2 16.8#





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.306 min Scan# 82

Delta R.T. -0.005 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

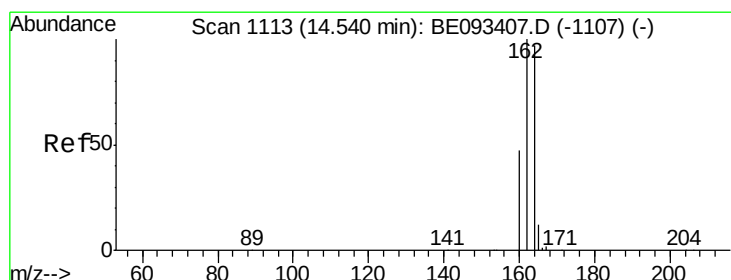
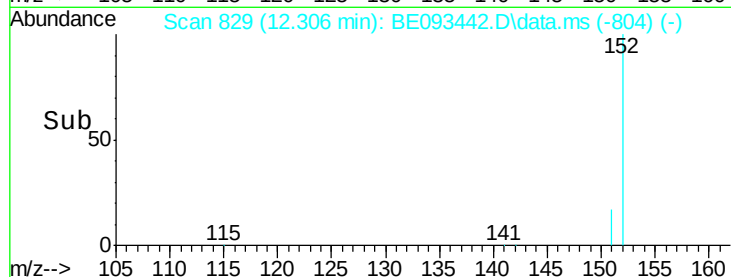
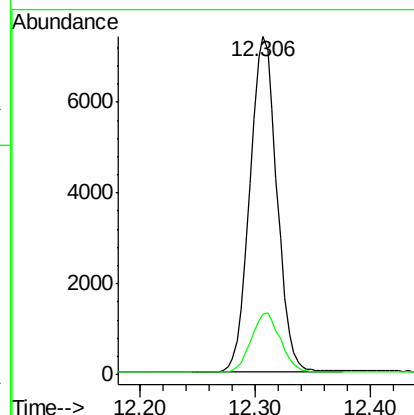
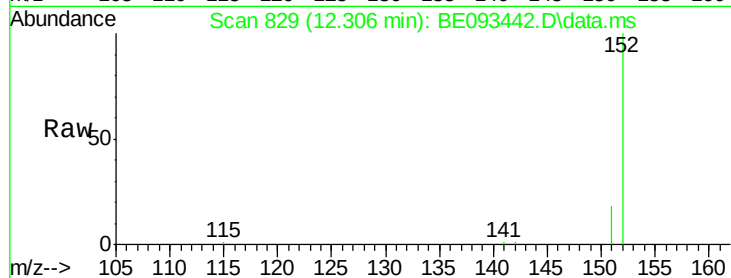
MW-BR-P-2-20170629

Tot Ion:152 Resp: 12080

Ion Ratio Lower Upper

152 100

151 18.9 15.1 22.7



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.539 min Scan# 1113

Delta R.T. -0.001 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

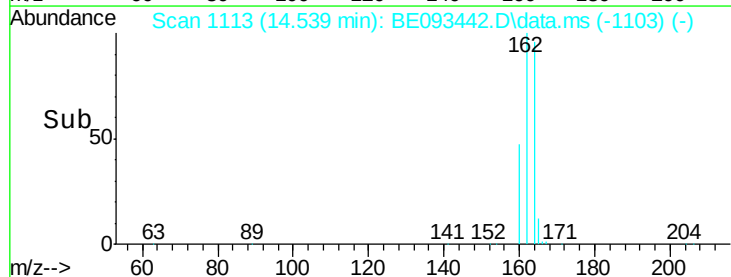
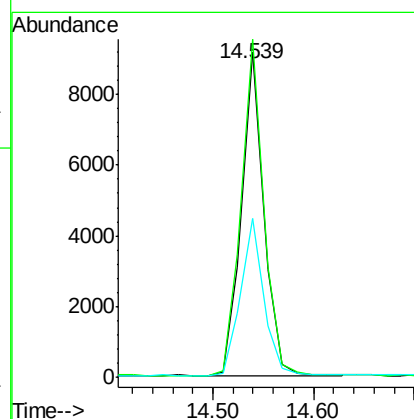
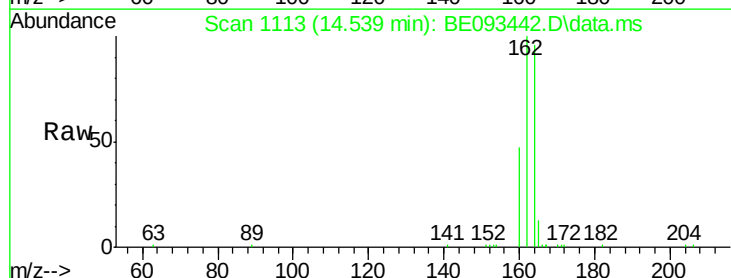
Tgt Ion:164 Resp: 13952

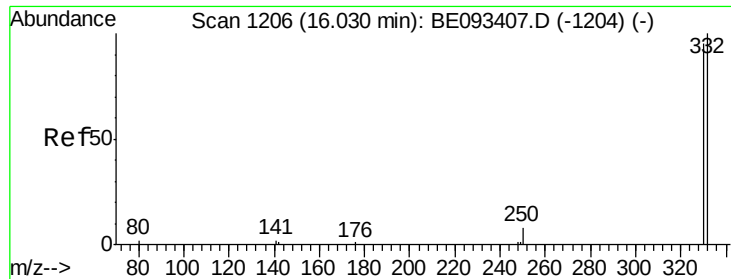
Ion Ratio Lower Upper

164 100

162 103.9 84.6 127.0

160 48.8 41.8 62.6

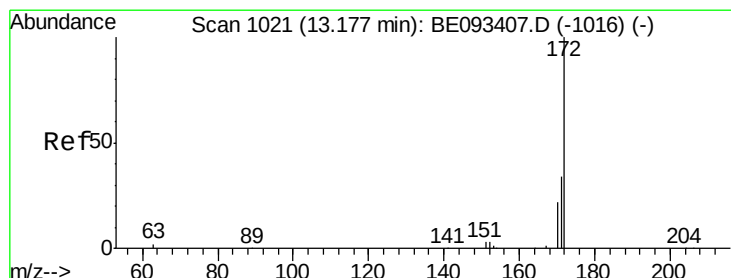
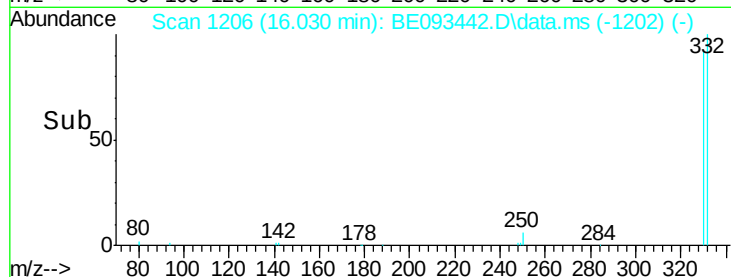
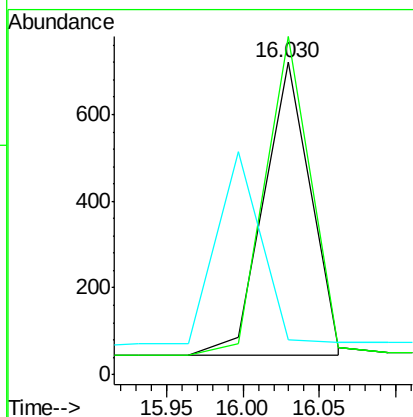
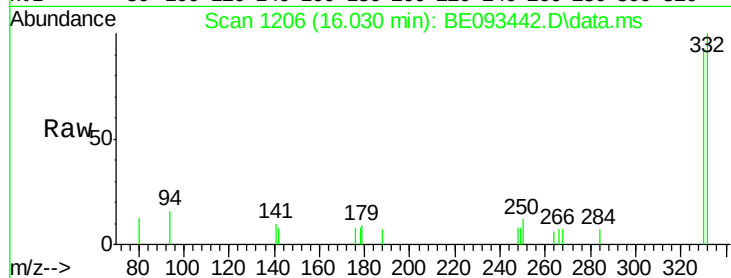




#14
 2,4,6-Tribromophenol
 Concen: 0.33 ng
 RT: 16.030 min Scan# 1206
 Delta R.T. -0.000 min
 Lab File: BE093442.D
 Acq: 7 Jul 2017 14:28

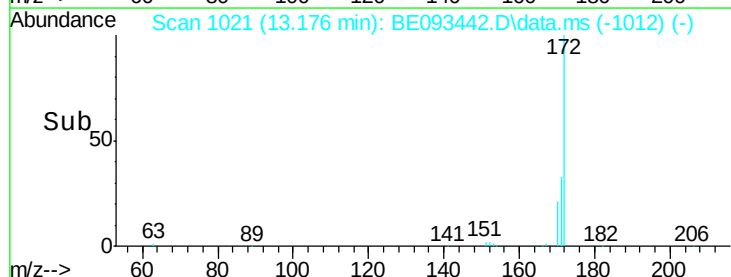
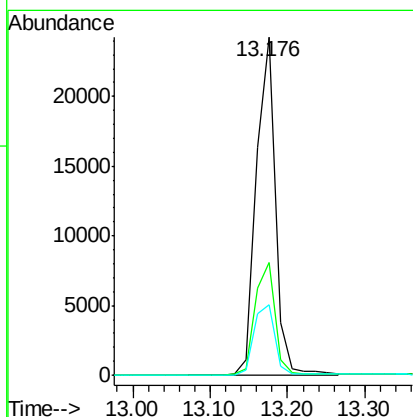
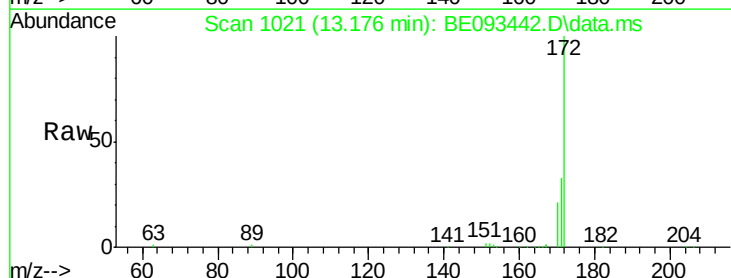
Instrument :
 BNA_E
 ClientSampleId :
 MW-BR-P-2-20170629

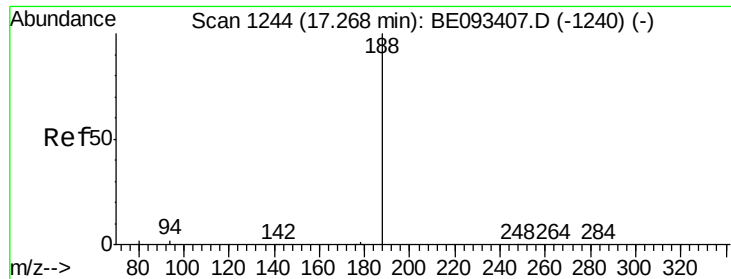
Tot Ion:330 Resp: 1428
 Ion Ratio Lower Upper
 330 100
 332 106.3 77.7 116.5
 141 0.0 56.2 84.4#



#15
 2-Fluorobiphenyl
 Concen: 0.76 ng
 RT: 13.176 min Scan# 1021
 Delta R.T. -0.001 min
 Lab File: BE093442.D
 Acq: 7 Jul 2017 14:28

Tgt Ion:172 Resp: 41193
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.8 44.6
 170 21.0 20.7 31.1





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.268 min Scan# 12

Delta R.T. -0.000 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

MW-BR-P-2-20170629

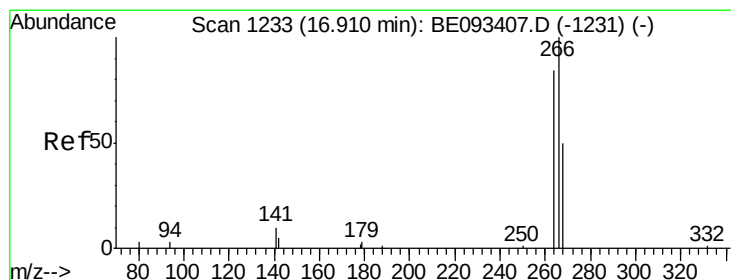
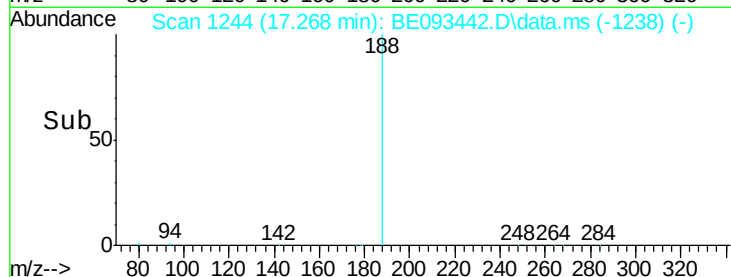
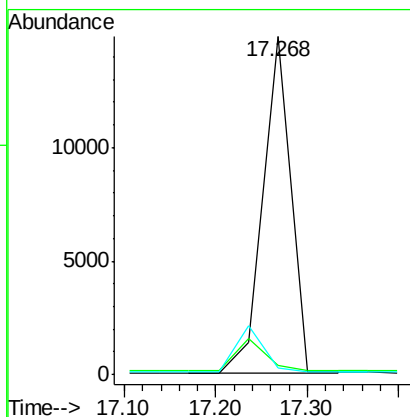
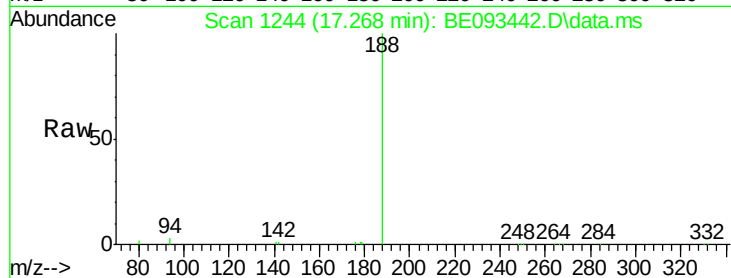
Tot Ion:188 Resp: 31973

Ion Ratio Lower Upper

188 100

94 2.6 11.3 16.9#

80 1.9 11.7 17.5#



#22

Pentachlorophenol

Concen: Below Cal

RT: 16.910 min Scan# 1233

Delta R.T. 0.001 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

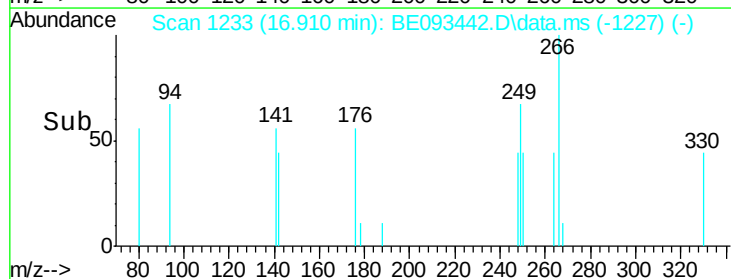
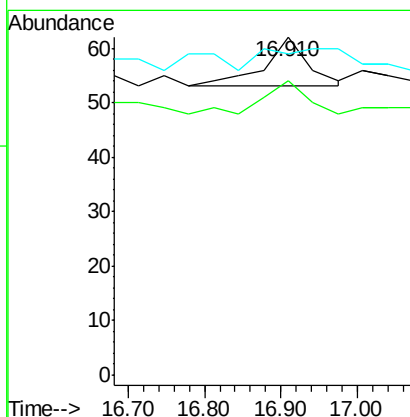
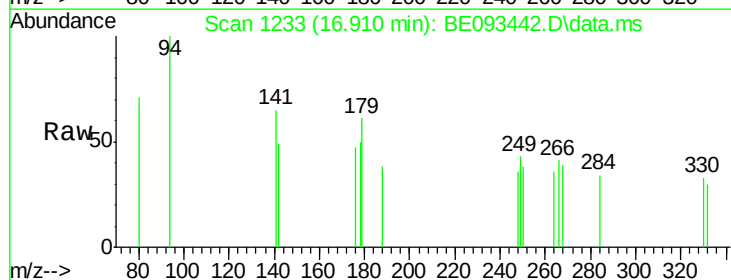
Tgt Ion:266 Resp: 37

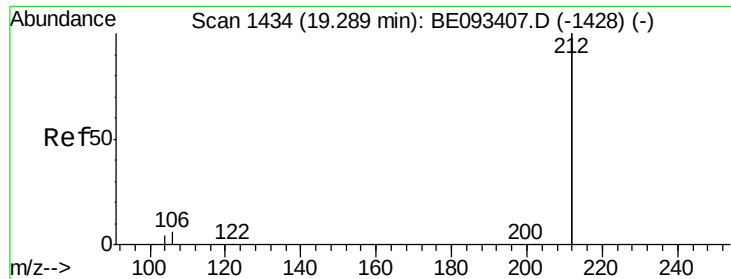
Ion Ratio Lower Upper

266 100

264 87.1 58.2 87.2

268 95.2 71.9 107.9





#25

Fluoranthene-d10

Concen: 0.41 ng

RT: 19.290 min Scan# 14

Delta R.T. 0.001 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

MW-BR-P-2-20170629

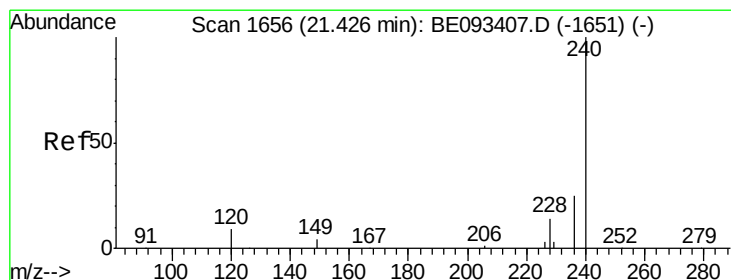
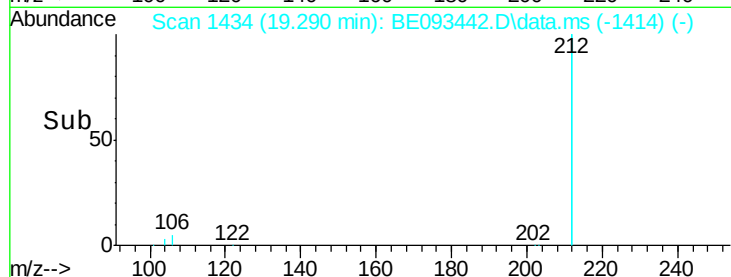
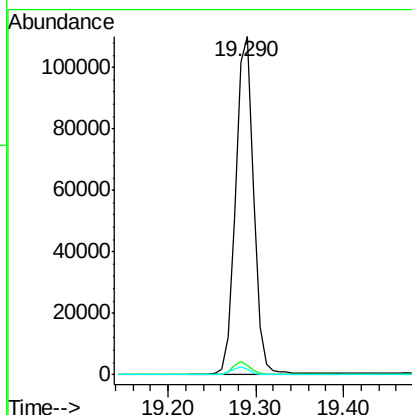
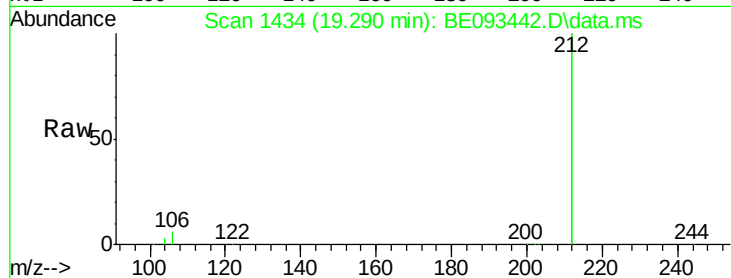
Tot Ion:212 Resp: 158021

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

104 1.9 1.6 2.4



#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.426 min Scan# 1656

Delta R.T. -0.000 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

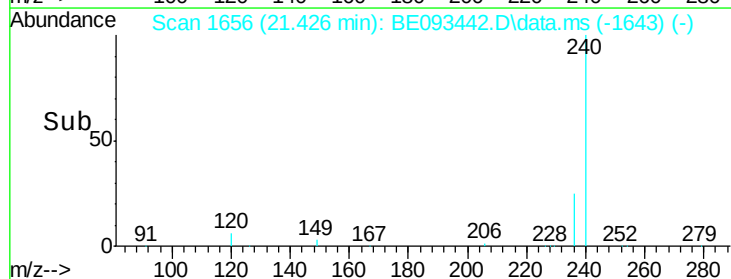
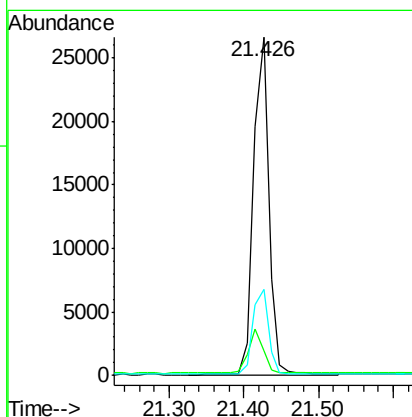
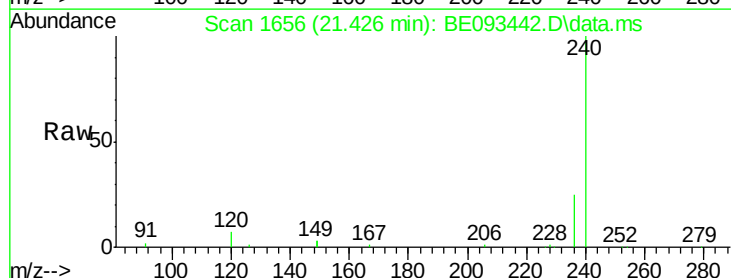
Tgt Ion:240 Resp: 38606

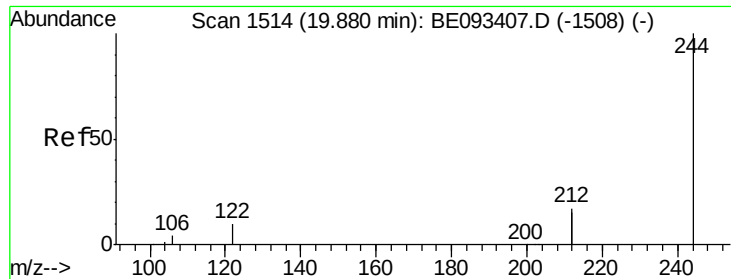
Ion Ratio Lower Upper

240 100

120 7.1 4.6 7.0#

236 25.4 20.8 31.2





#29

Terphenyl-d14

Concen: 0.49 ng

RT: 19.874 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

Instrument :

BNA_E

ClientSampleId :

MW-BR-P-2-20170629

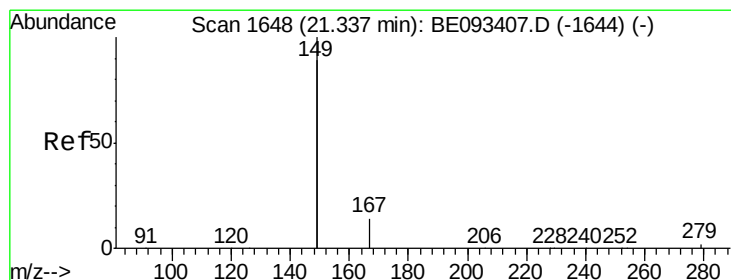
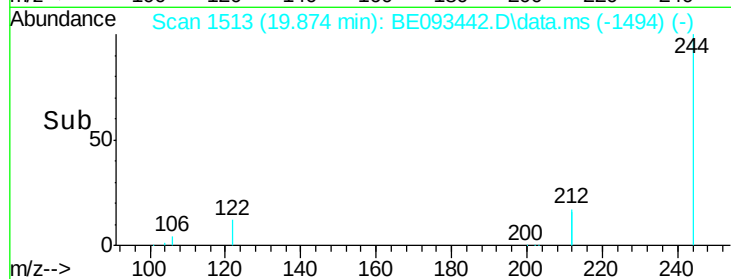
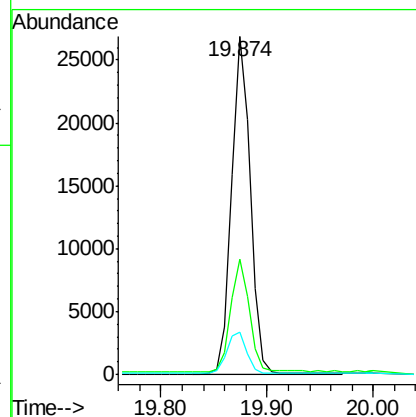
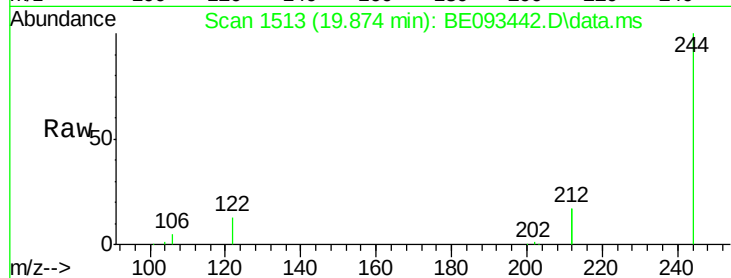
Tot Ion:244 Resp: 33518

Ion Ratio Lower Upper

244 100

212 34.3 10.6 16.0#

122 12.5 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.07 ng

RT: 21.326 min Scan# 1647

Delta R.T. -0.011 min

Lab File: BE093442.D

Acq: 7 Jul 2017 14:28

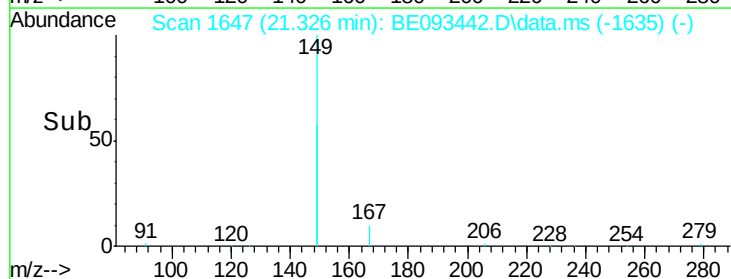
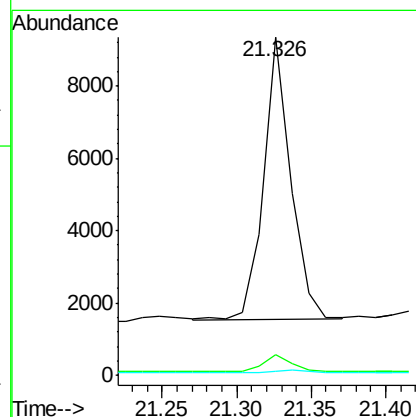
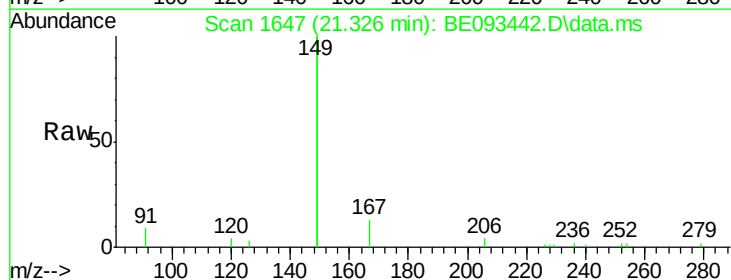
Tgt Ion:149 Resp: 9779

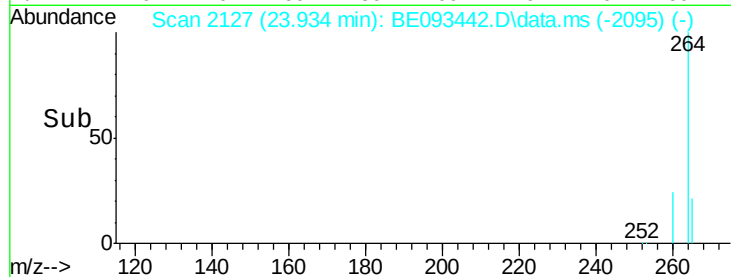
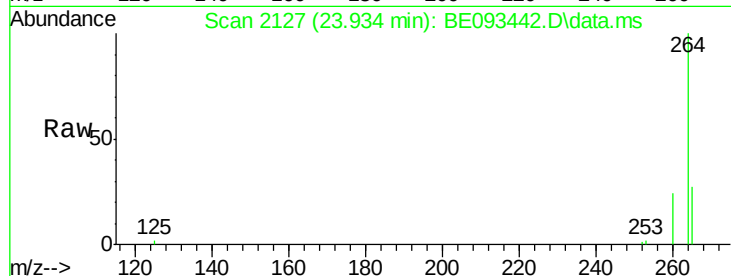
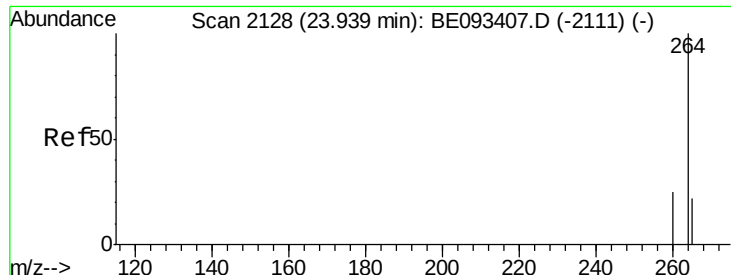
Ion Ratio Lower Upper

149 100

167 5.8 20.1 30.1#

279 0.9 2.2 3.4#





#34
 Pervlene-d12
 Concen: 0.40 ng
 RT: 23.934 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BE093442.D
 Acq: 7 Jul 2017 14:28

Instrument :
 BNA_E
 ClientSampleId :
 MW-BR-P-2-20170629

Tot Ion:264 Resp: 33039
 Ion Ratio Lower Upper
 264 100
 260 24.3 21.0 31.4
 265 27.5 24.6 36.8

