

Data Path : Z:\HPCHEM1\BNA E\Data\BE070717\
 Data File : BE093443.D
 Acq On : 7 Jul 2017 15:07
 Operator : SJ/JU
 Sample : I4009-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-29BR-20170629

Quant Time: Jul 07 18:07:54 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	4001	0.40	ng	0.00
7) Naphthalene-d8	10.723	136	21065	0.40	ng	0.00
13) Acenaphthene-d10	14.540	164	13289	0.40	ng	0.00
19) Phenanthrene-d10	17.269	188	27224	0.40	ng	0.00
27) Chrysene-d12	21.427	240	36119	0.40	ng	0.00
34) Perylene-d12	23.935	264	30747	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.528	112	1911	0.16	ng	0.00
5) Phenol-d6	7.102	99	1921	0.11	ng	0.00
8) Nitrobenzene-d5	9.078	82	5246	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.307	152	11688	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.030	330	1089	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.177	172	20632	0.40	ng	0.00
25) Fluoranthene-d10	19.290	212	148233	0.45	ng	0.00
29) Terphenyl-d14	19.874	244	28910	0.45	ng	0.00

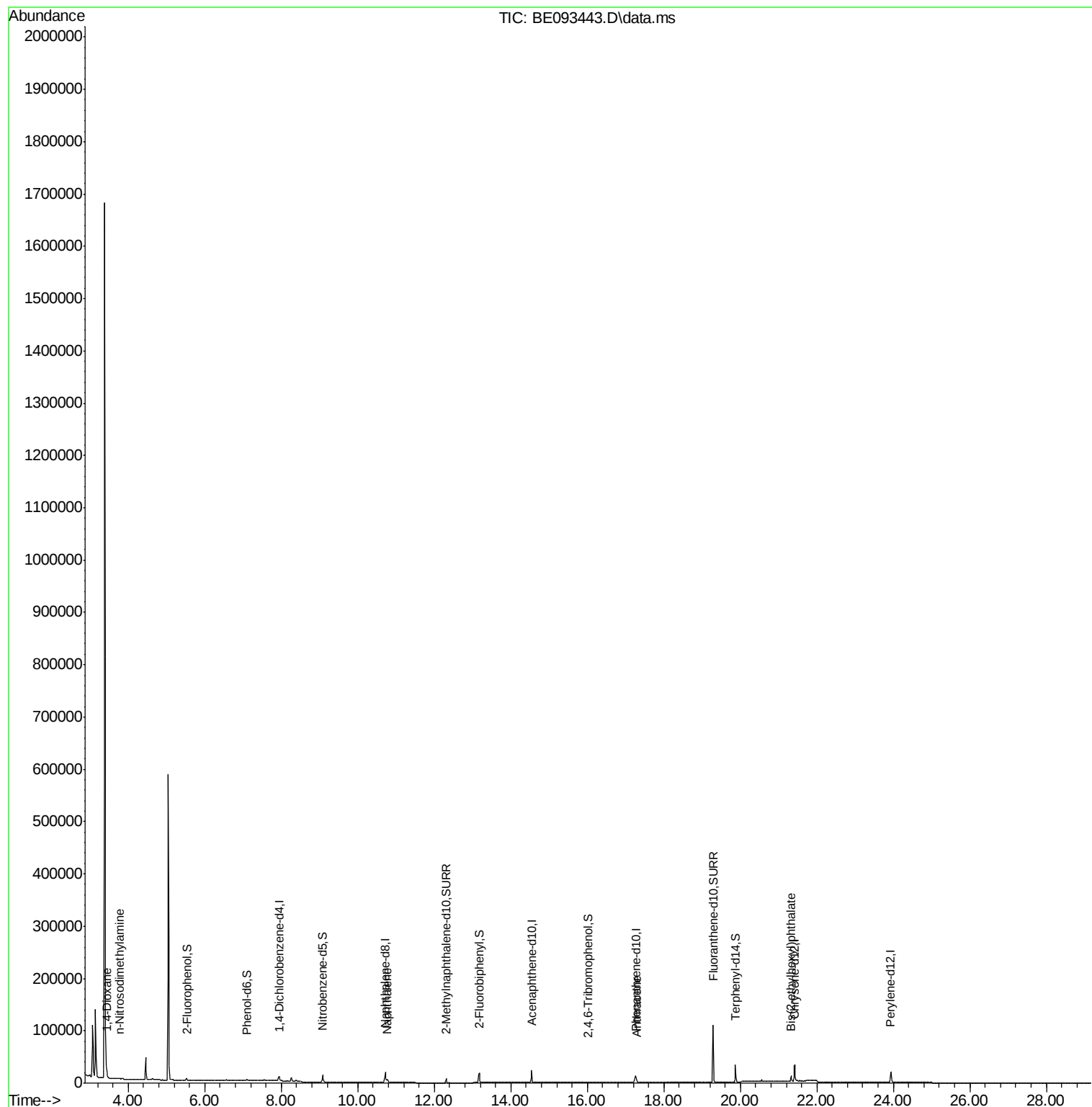
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.451	88	2033	0.24	ng	# 1
3) n-Nitrosodimethylamine	3.766	42	363	0.18	ng	# 8
9) Naphthalene	10.774	128	9332	0.04	ng	# 75
22) Pentachlorophenol	16.910	266	22	Below Cal		# 84
24) Anthracene	17.301	178	1347	0.02	ng	# 98
32) Bis(2-ethylhexyl)phtha...	21.327	149	11167	0.08	ng	# 66

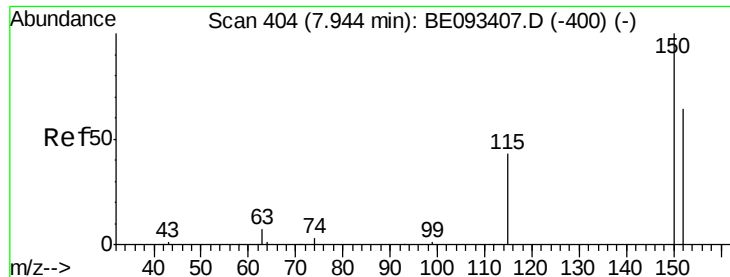
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.946 min Scan# 40

Delta R.T. 0.002 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

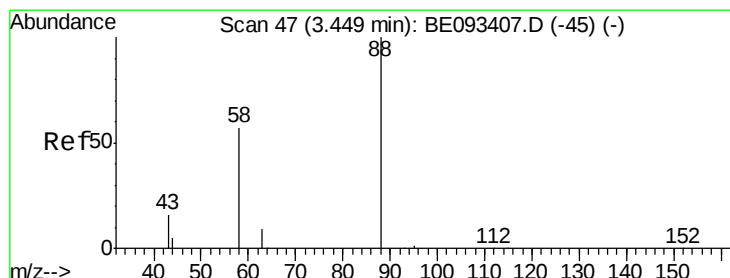
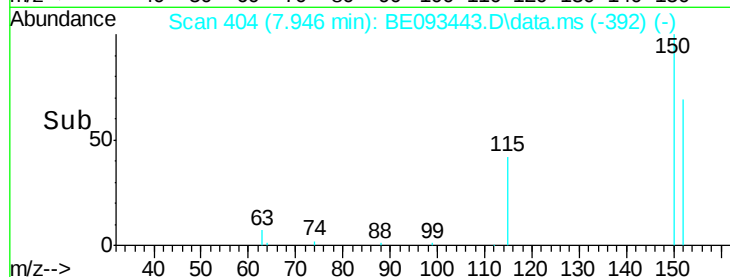
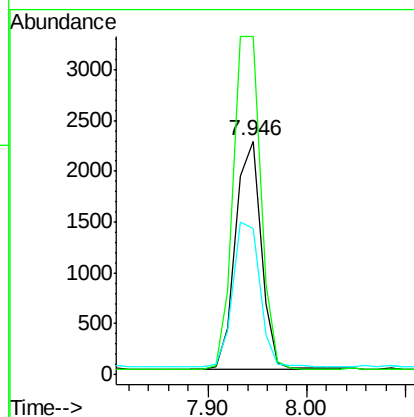
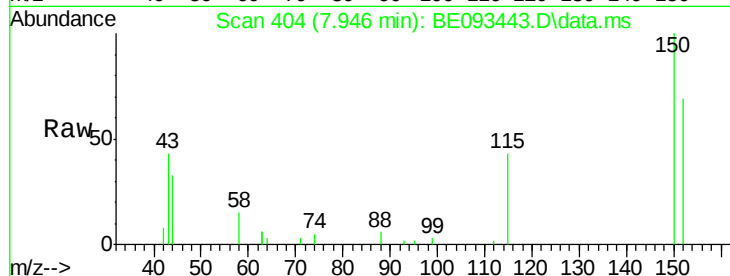
Tot Ion:152 Resp: 4001

Ion Ratio Lower Upper

152 100

150 144.4 125.1 187.7

115 62.6 55.7 83.5



#2

1,4-Dioxane

Concen: 0.24 ng

RT: 3.451 min Scan# 47

Delta R.T. 0.002 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

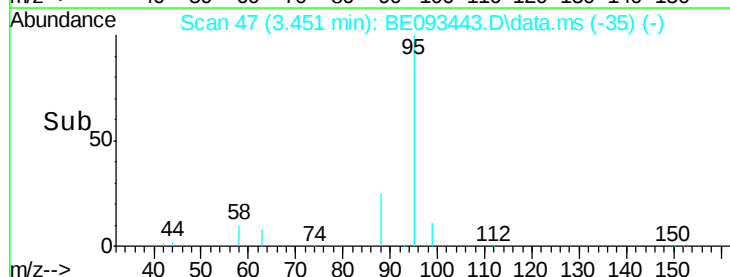
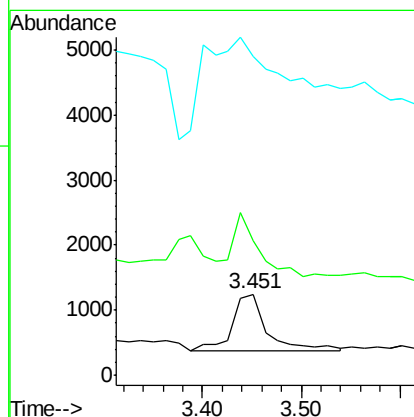
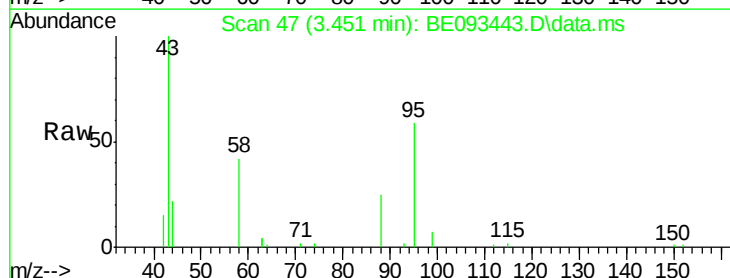
Tgt Ion: 88 Resp: 2033

Ion Ratio Lower Upper

88 100

58 79.4 62.2 93.4

43 500.3 23.2 34.8#





#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.766 min Scan# 72

Delta R.T. 0.003 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

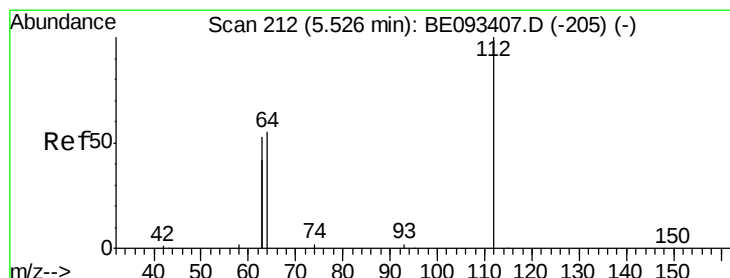
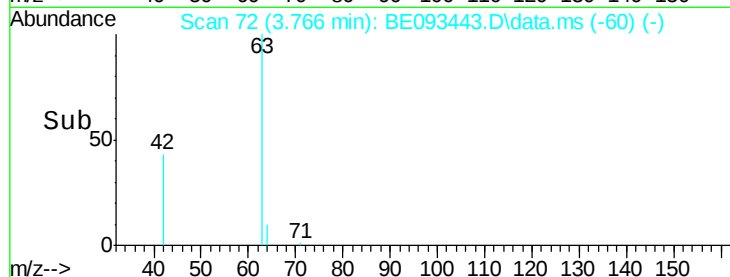
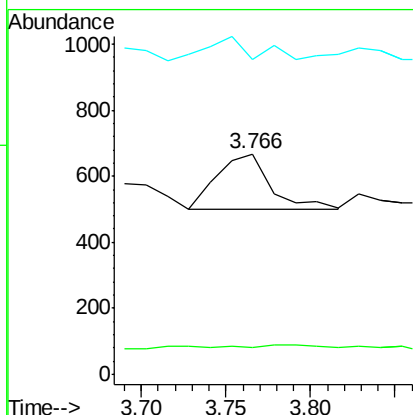
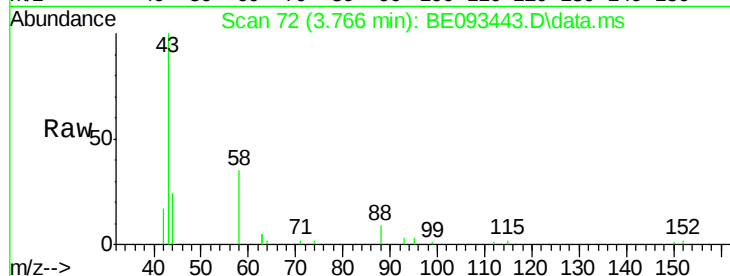
Tot Ion: 42 Resp: 363

Ion Ratio Lower Upper

42 100

74 14.0 99.1 148.7#

44 0.0 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.16 ng

RT: 5.528 min Scan# 212

Delta R.T. 0.002 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

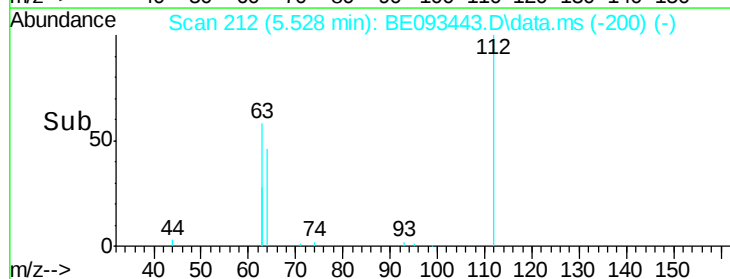
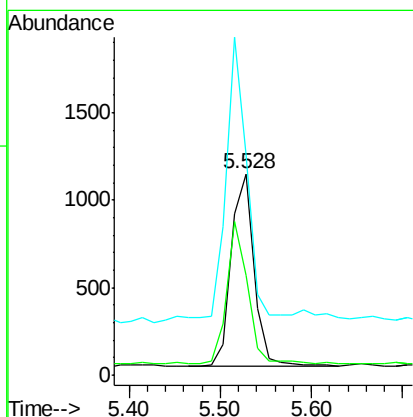
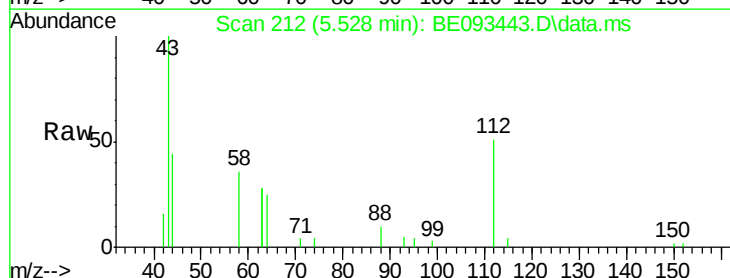
Tgt Ion: 112 Resp: 1911

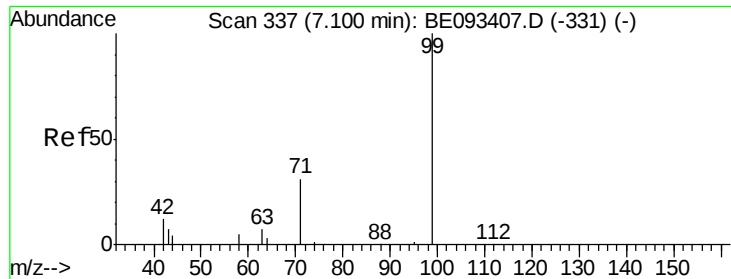
Ion Ratio Lower Upper

112 100

64 66.8 56.4 84.6

63 131.2 29.3 43.9#





#5

Phenol-d6

Concen: 0.11 ng

RT: 7.102 min Scan# 33

Delta R.T. 0.002 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

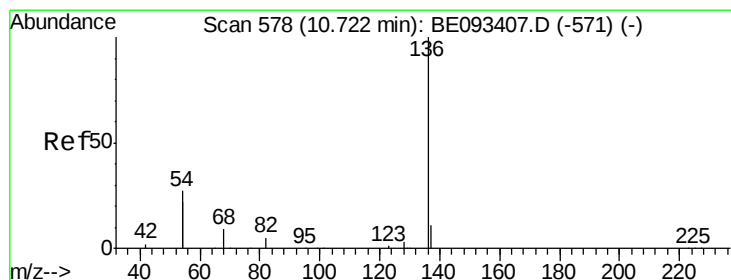
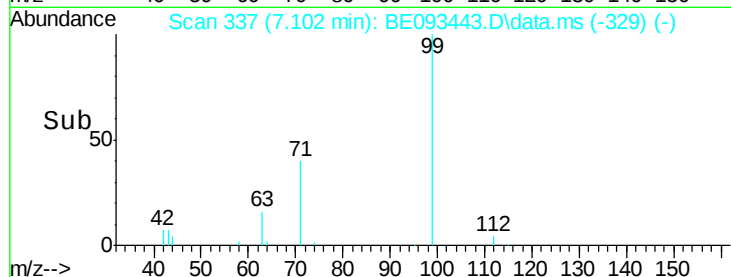
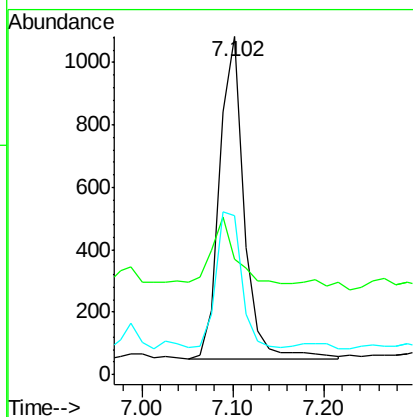
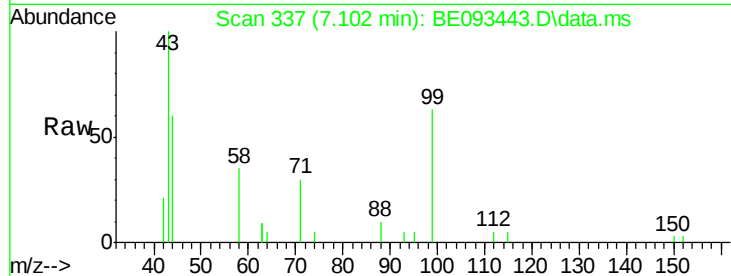
Tot Ion: 99 Resp: 1921

Ion Ratio Lower Upper

99 100

42 22.5 0.0 0.0#

71 43.4 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: BE093443.D

Acq: 7 Jul 2017 15:07

Tgt Ion: 136 Resp: 21065

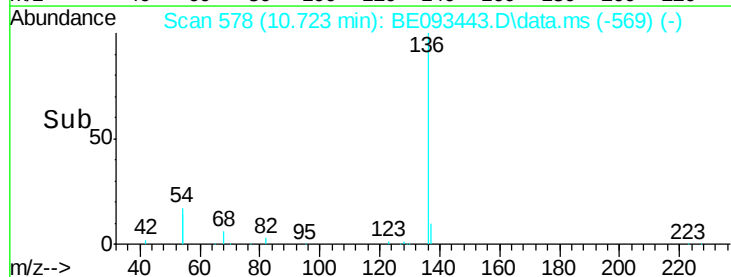
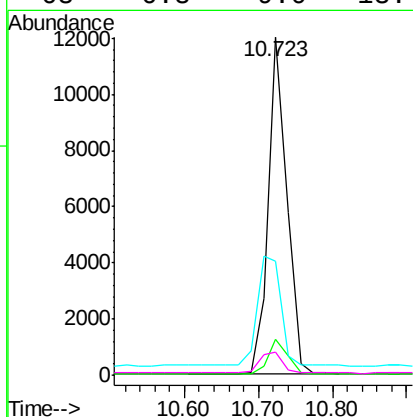
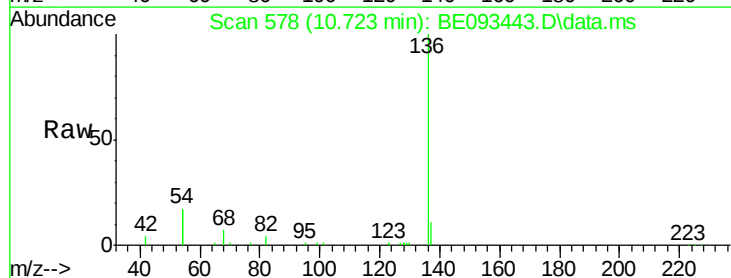
Ion Ratio Lower Upper

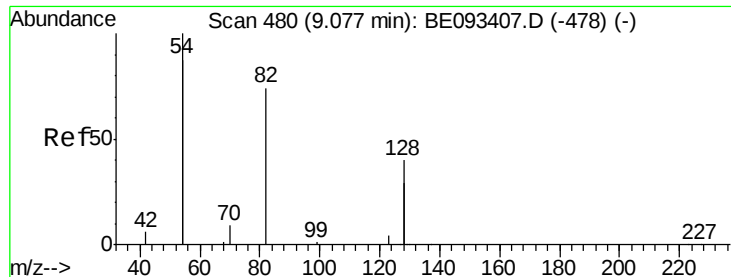
136 100

137 10.7 9.8 14.8

54 33.6 10.3 15.5#

68 6.8 9.0 13.4#





#8

Nitrobenzene-d5

Concen: 0.39 ng

RT: 9.078 min Scan# 48

Delta R.T. 0.001 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

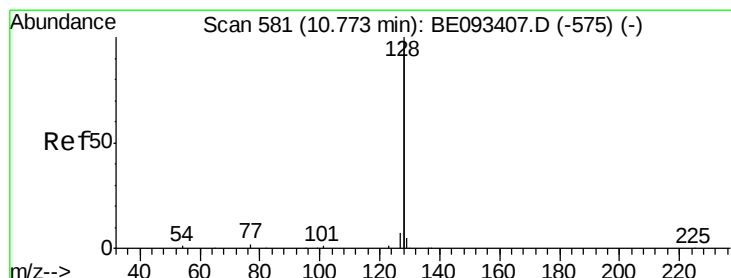
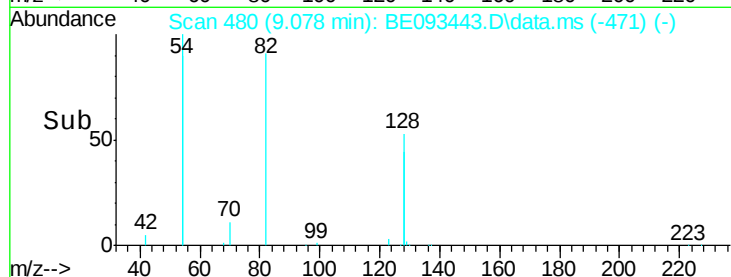
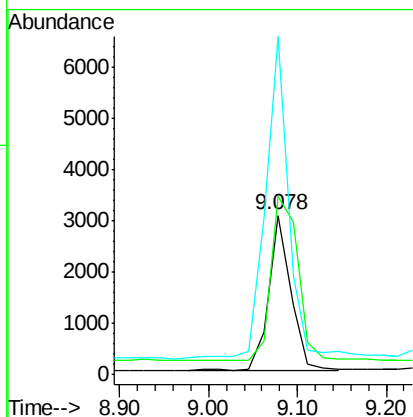
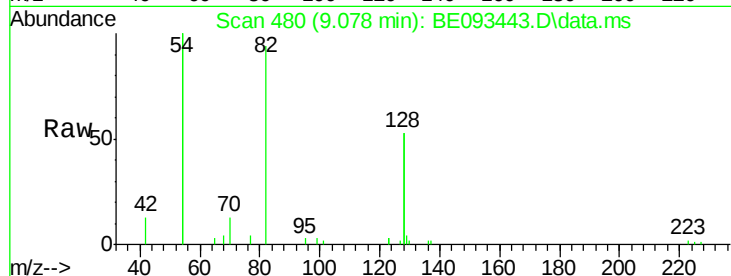
Tot Ion: 82 Resp: 5246

Ion Ratio Lower Upper

82 100

128 112.2 17.0 25.4#

54 212.8 53.8 80.6#



#9

Naphthalene

Concen: 0.04 ng

RT: 10.774 min Scan# 581

Delta R.T. 0.001 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

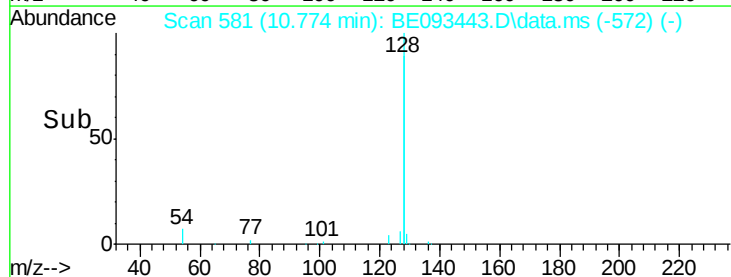
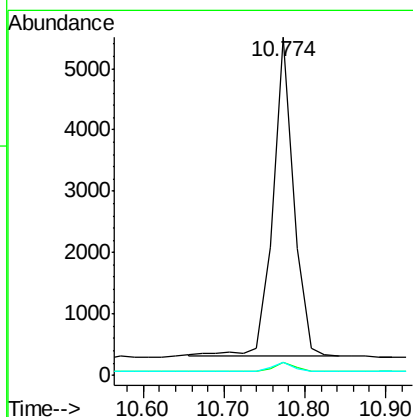
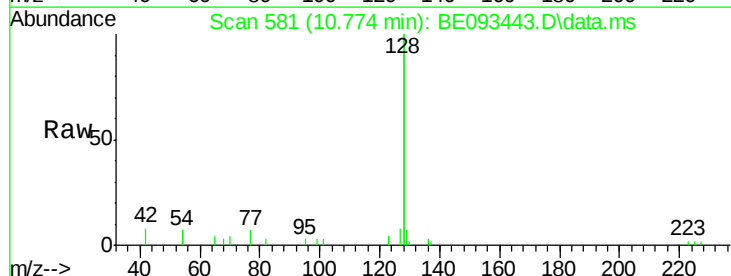
Tgt Ion: 128 Resp: 9332

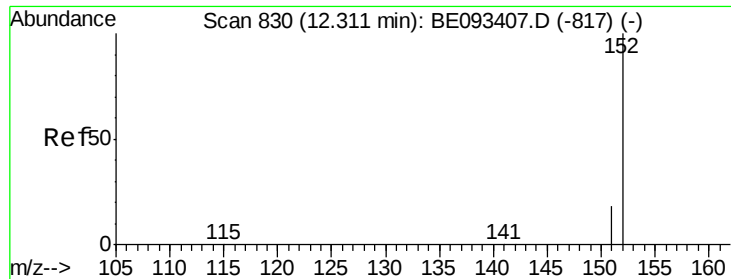
Ion Ratio Lower Upper

128 100

129 3.7 11.4 17.0#

127 4.0 11.2 16.8#

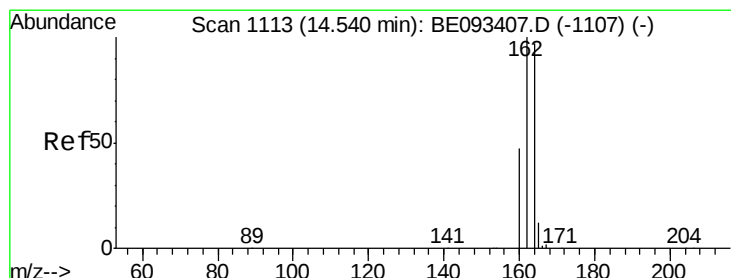
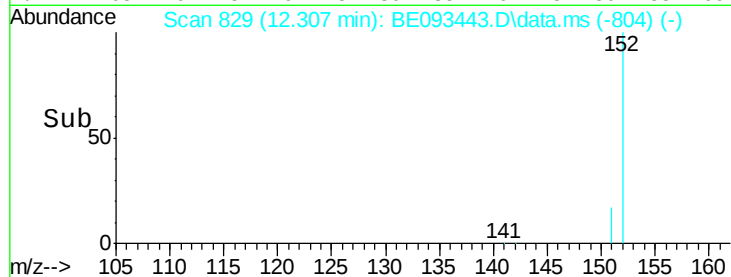
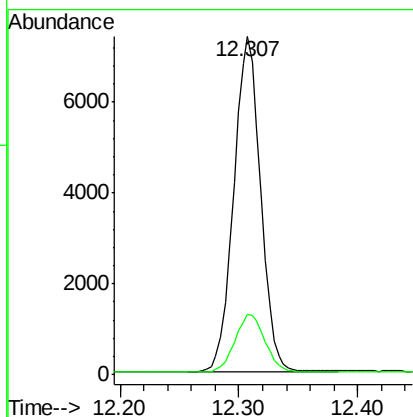
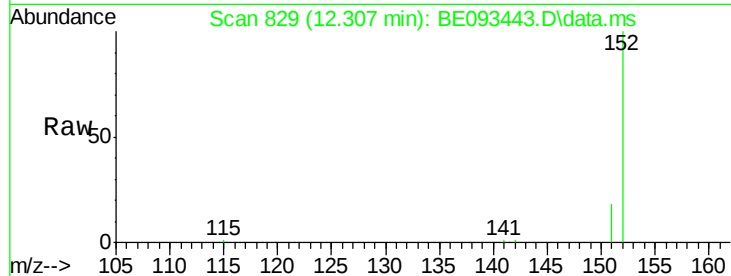




#11
2-Methylnaphthalene-d10
Concen: 0.35 ng
RT: 12.307 min Scan# 82
Delta R.T. -0.004 min
Lab File: BE093443.D
Acq: 7 Jul 2017 15:07

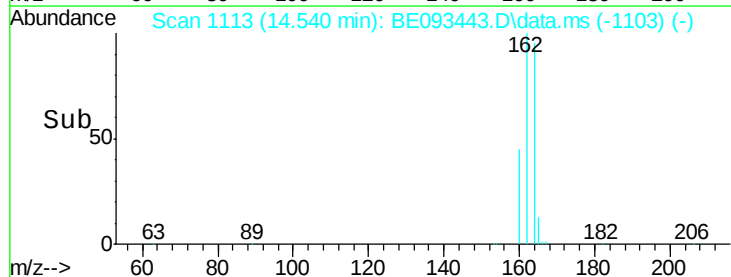
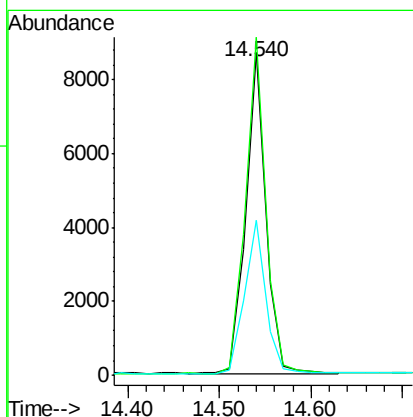
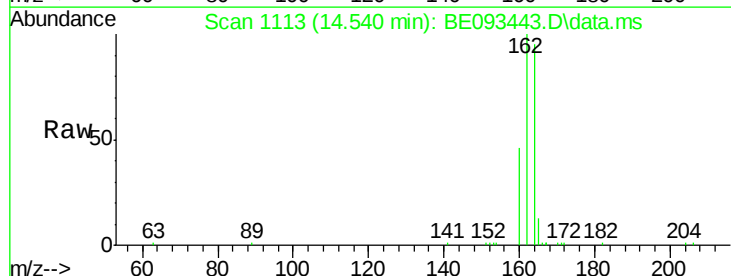
Instrument :
BNA_E
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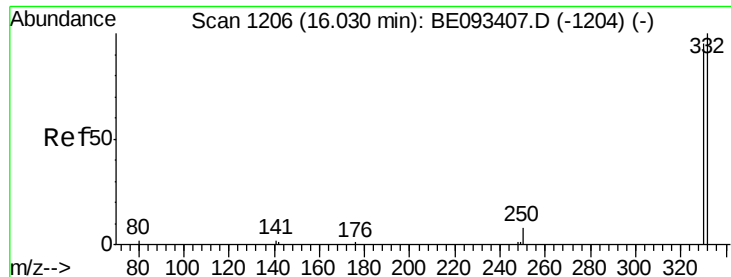
Tot Ion:152 Resp: 11688
Ion Ratio Lower Upper
152 100
151 19.3 15.1 22.7



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.540 min Scan# 1113
Delta R.T. 0.001 min
Lab File: BE093443.D
Acq: 7 Jul 2017 15:07

Tgt Ion:164 Resp: 13289
Ion Ratio Lower Upper
164 100
162 104.7 84.6 127.0
160 48.0 41.8 62.6

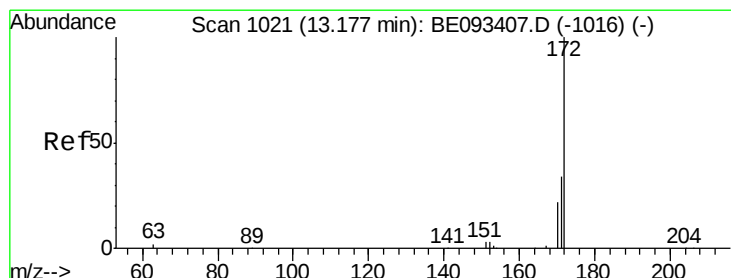
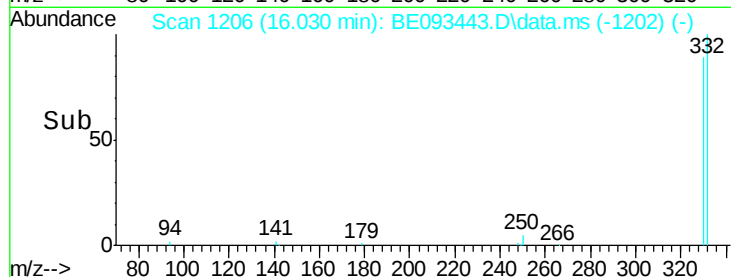
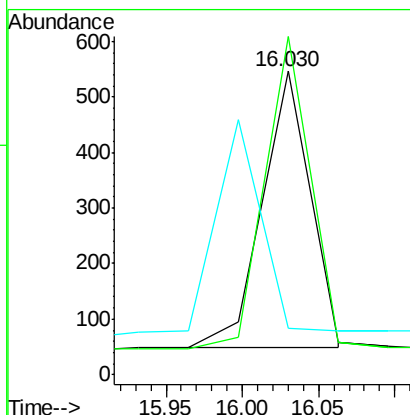
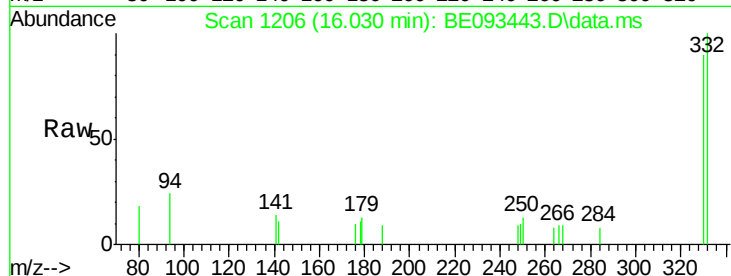




#14
 2,4,6-Tribromophenol
 Concen: 0.26 ng
 RT: 16.030 min Scan# 1206
 Delta R.T. 0.000 min
 Lab File: BE093443.D
 Acq: 7 Jul 2017 15:07

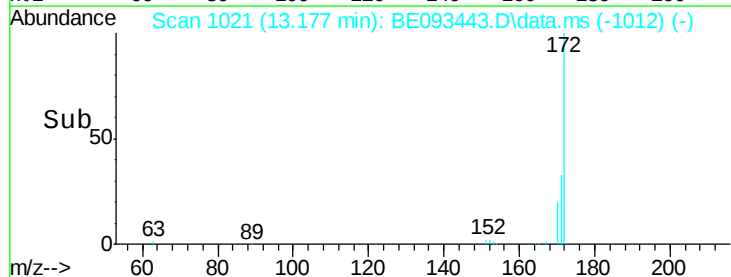
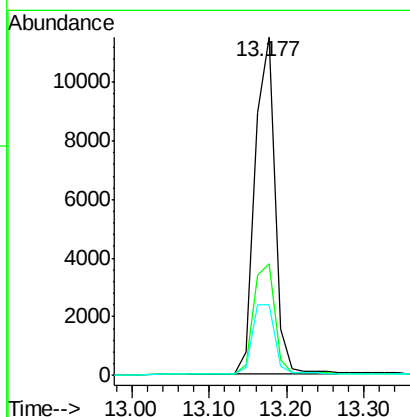
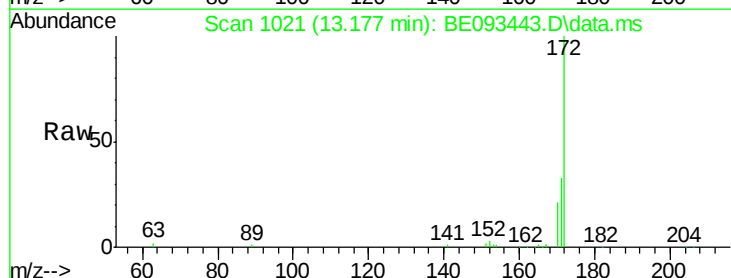
Instrument :
 BNA_E
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 MW-29BR-20170629

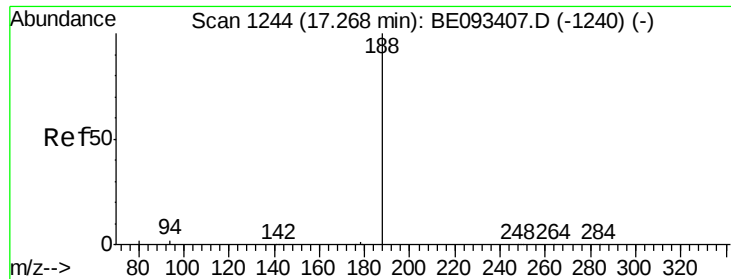
Tot Ion:330 Resp: 1089
 Ion Ratio Lower Upper
 330 100
 332 107.1 77.7 116.5
 141 0.0 56.2 84.4#



#15
 2-Fluorobiphenyl
 Concen: 0.40 ng
 RT: 13.177 min Scan# 1021
 Delta R.T. 0.001 min
 Lab File: BE093443.D
 Acq: 7 Jul 2017 15:07

Tgt Ion:172 Resp: 20632
 Ion Ratio Lower Upper
 172 100
 171 33.1 29.8 44.6
 170 20.7 20.7 31.1





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.269 min Scan# 12

Delta R.T. 0.000 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

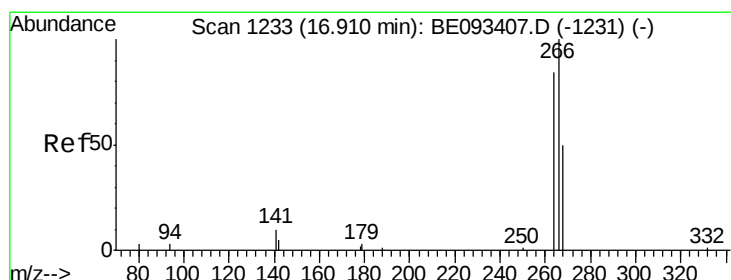
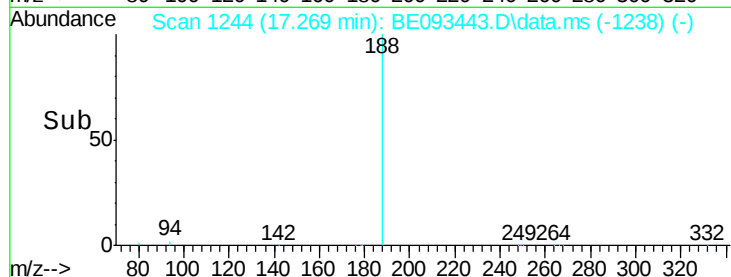
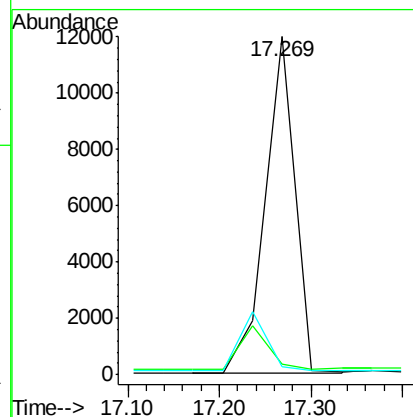
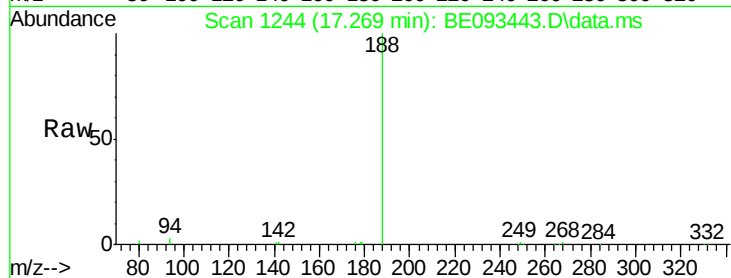
Tot Ion:188 Resp: 27224

Ion Ratio Lower Upper

188 100

94 3.1 11.3 16.9#

80 2.2 11.7 17.5#



#22

Pentachlorophenol

Concen: Below Cal

RT: 16.910 min Scan# 1233

Delta R.T. 0.001 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

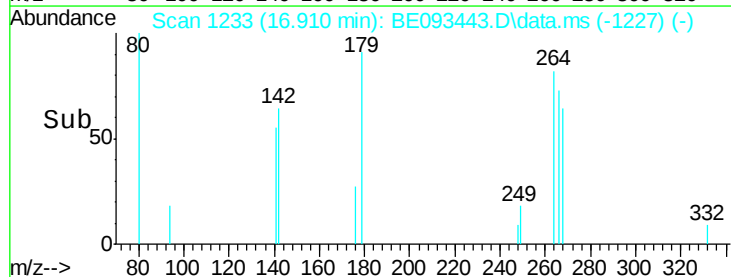
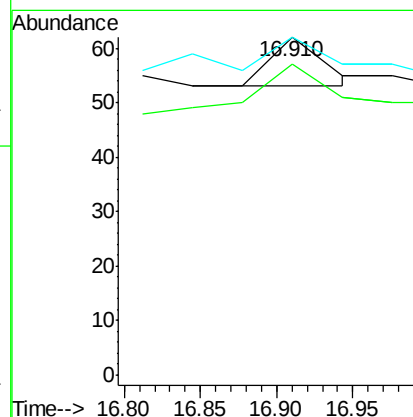
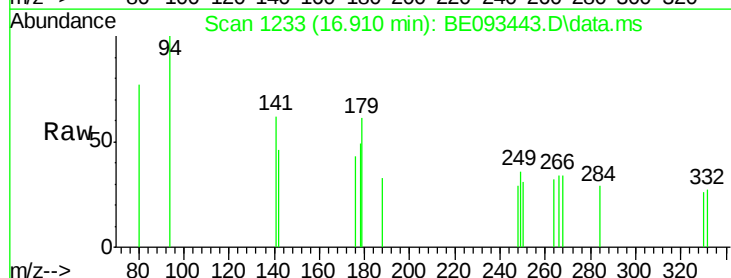
Tgt Ion:266 Resp: 22

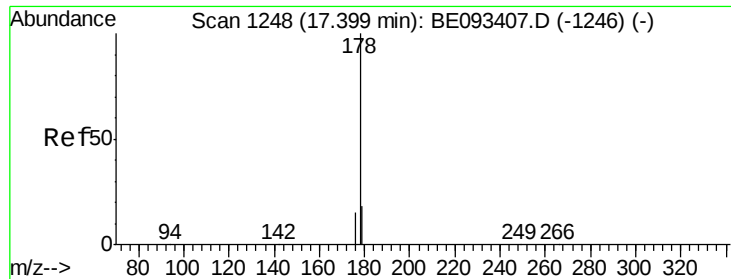
Ion Ratio Lower Upper

266 100

264 91.9 58.2 87.2#

268 100.0 71.9 107.9





#24

Anthracene

Concen: 0.02 ng

RT: 17.301 min Scan# 12

Delta R.T. -0.097 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

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MW-29BR-20170629

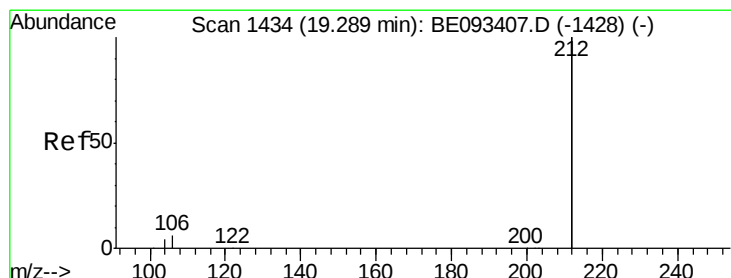
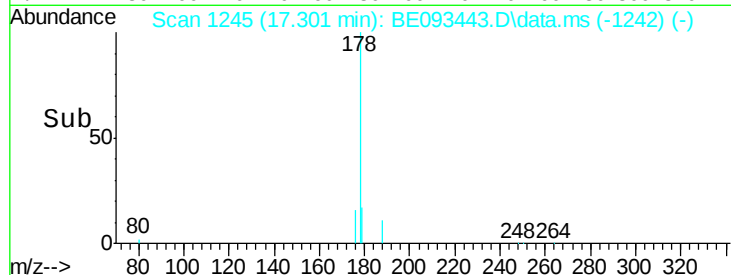
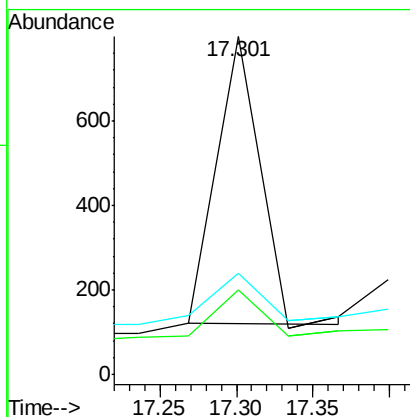
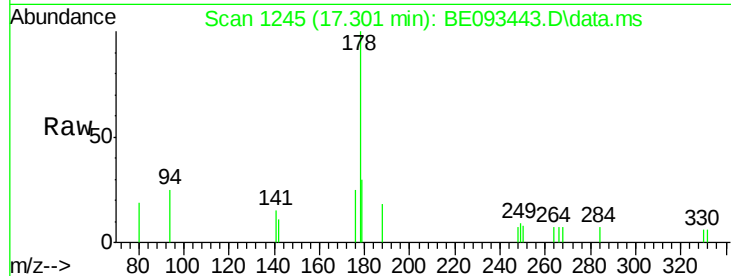
Tot Ion:178 Resp: 1347

Ion Ratio Lower Upper

178 100

176 20.0 14.6 22.0

179 14.7 12.0 18.0



#25

Fluoranthene-d10

Concen: 0.45 ng

RT: 19.290 min Scan# 1434

Delta R.T. 0.001 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

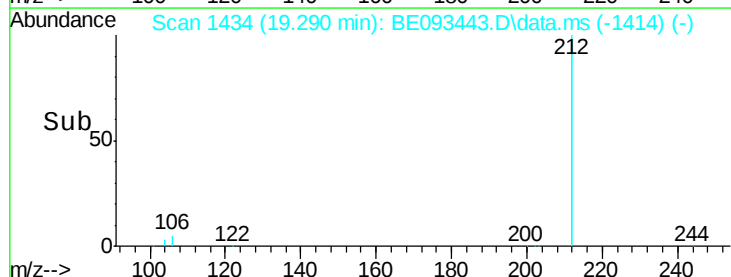
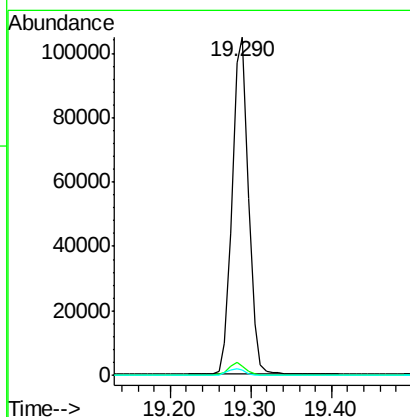
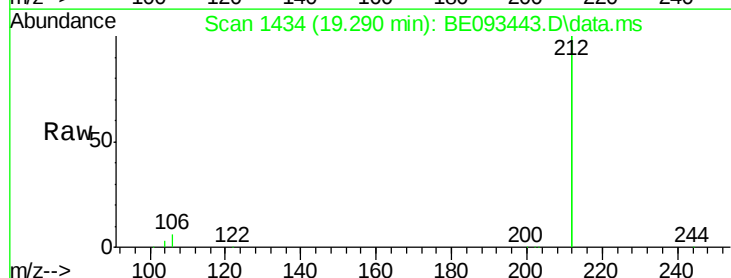
Tgt Ion:212 Resp: 148233

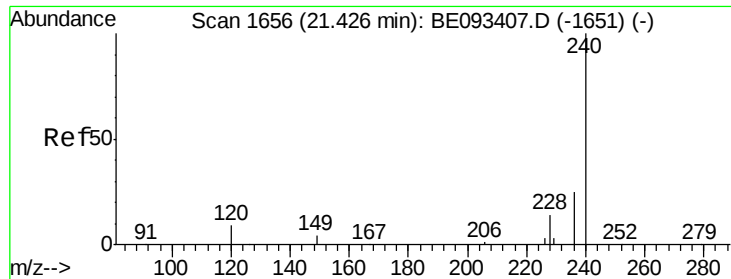
Ion Ratio Lower Upper

212 100

106 3.4 2.4 3.6

104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.427 min Scan# 16

Delta R.T. 0.001 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

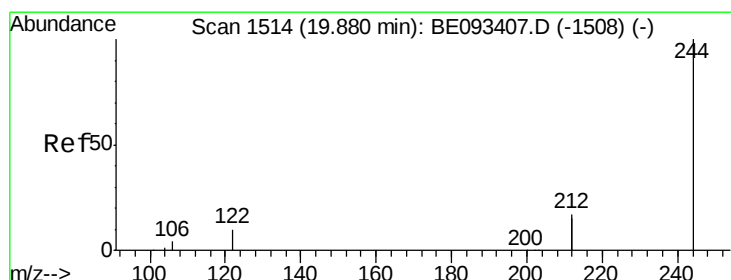
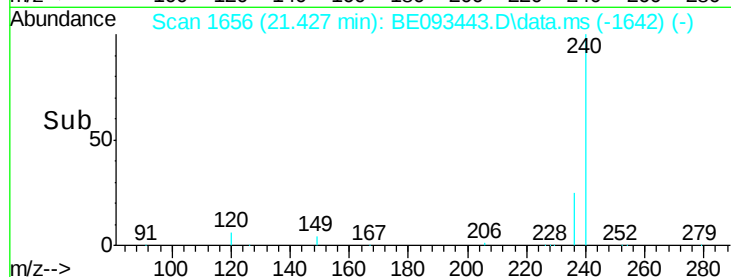
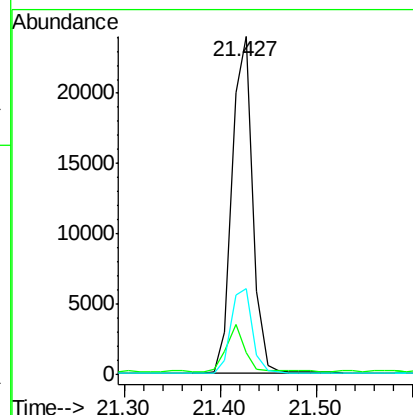
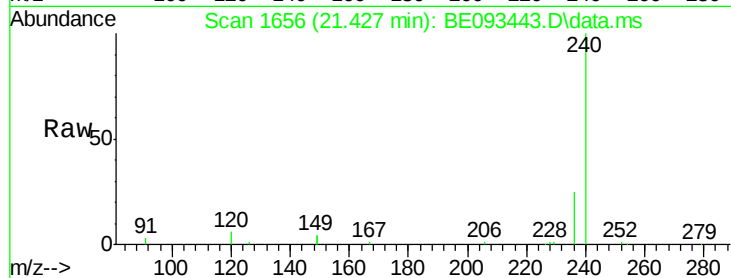
Tot Ion:240 Resp: 36119

Ion Ratio Lower Upper

240 100

120 6.5 4.6 7.0

236 25.3 20.8 31.2



#29

Terphenyl-d14

Concen: 0.45 ng

RT: 19.874 min Scan# 1513

Delta R.T. -0.006 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

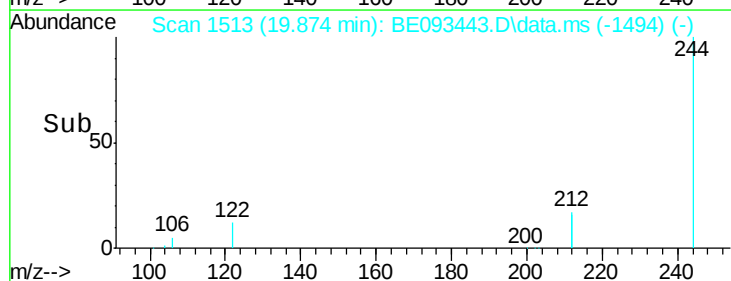
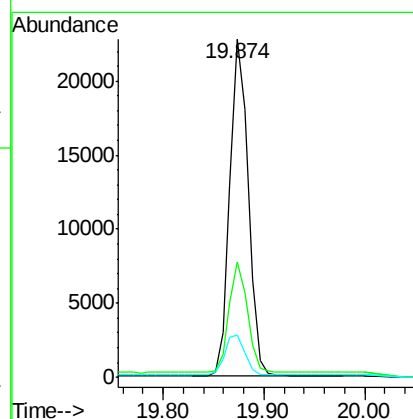
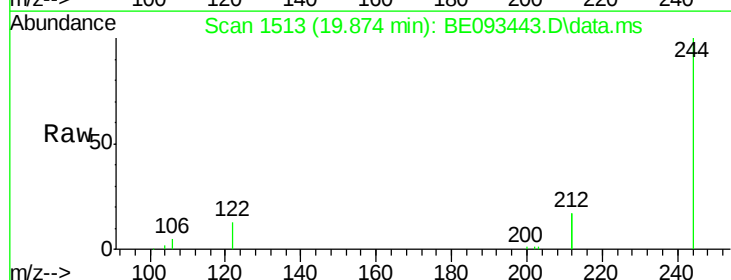
Tgt Ion:244 Resp: 28910

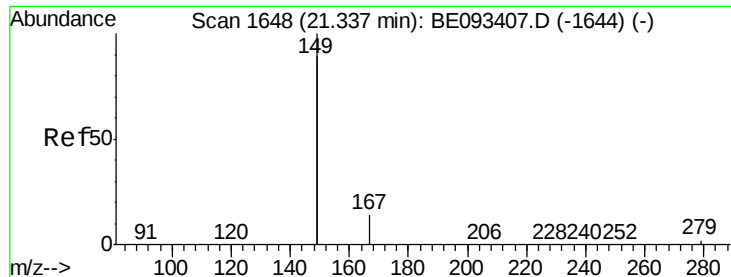
Ion Ratio Lower Upper

244 100

212 34.0 10.6 16.0#

122 12.7 15.4 23.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng

RT: 21.327 min Scan# 16

Delta R.T. -0.010 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Instrument :

BNA_E

ClientSampleId :

MW-29BR-20170629

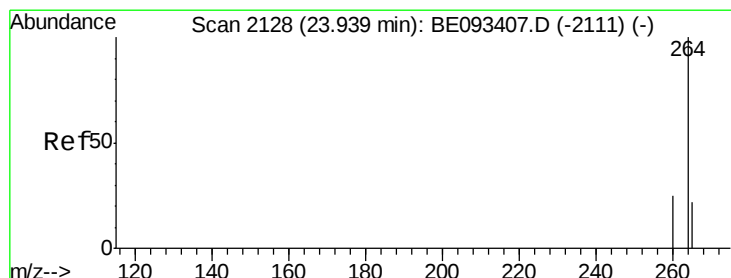
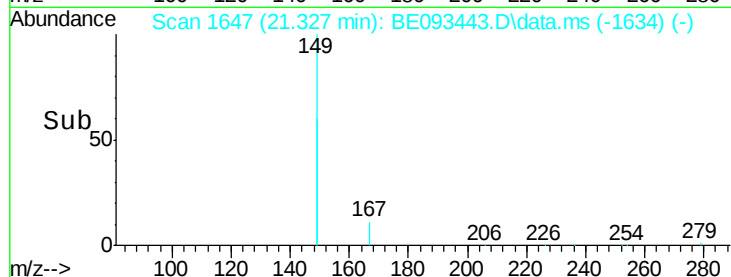
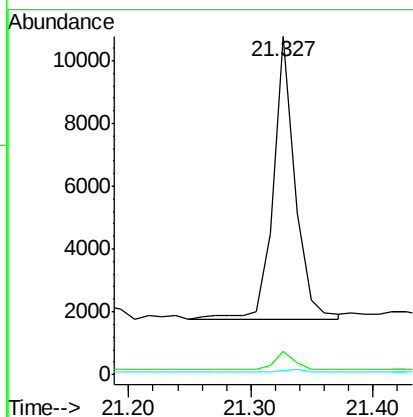
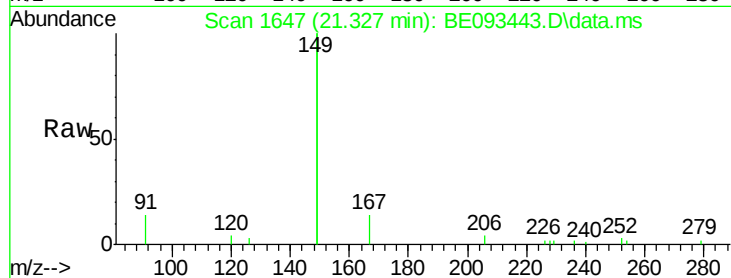
Tot Ion:149 Resp: 11167

Ion Ratio Lower Upper

149 100

167 6.5 20.1 30.1#

279 1.5 2.2 3.4#



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.935 min Scan# 2127

Delta R.T. -0.004 min

Lab File: BE093443.D

Acq: 7 Jul 2017 15:07

Tgt Ion:264 Resp: 30747

Ion Ratio Lower Upper

264 100

260 24.1 21.0 31.4

265 28.4 24.6 36.8

