

Data File : BE093398.D
Acq On : 1 Jul 2017 18:32
Operator : SJ/JU
Sample : I3984-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MH-118.5N-20170627

Quant Time: Jul 03 05:12:06 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 01 15:43:24 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	2705	0.40	ng	-0.01
7) Naphthalene-d8	10.74	136	12964	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	8175	0.40	ng	-0.02
19) Phenanthrene-d10	17.27	188	28680	0.40	ng	0.00
27) Chrysene-d12	21.43	240	35257	0.40	ng	-0.01
34) Perylene-d12	23.94	264	31967	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1498	0.18	ng	0.00
5) Phenol-d6	7.10	99	1319	0.10	ng	0.00
8) Nitrobenzene-d5	9.08	82	3754	0.49	ng	-0.02
11) 2-Methylnaphthalene-d10	12.31	152	7792	0.38	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.18	172	13783	0.43	ng	0.00
25) Fluoranthene-d10	19.29	212	134686	0.51	ng	0.00
29) Terphenyl-d14	19.88	244	30467	0.47	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	446	0.08	ng	# 18
3) n-Nitrosodimethylamine	3.79	42	67	0.14	ng	# 14
20) 4-Bromophenyl-phenylether	16.45	248	4	0.11	ng	# 70
22) Pentachlorophenol	16.91	266	41	0.05	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.34	149	37079	0.26	ng	# 66

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

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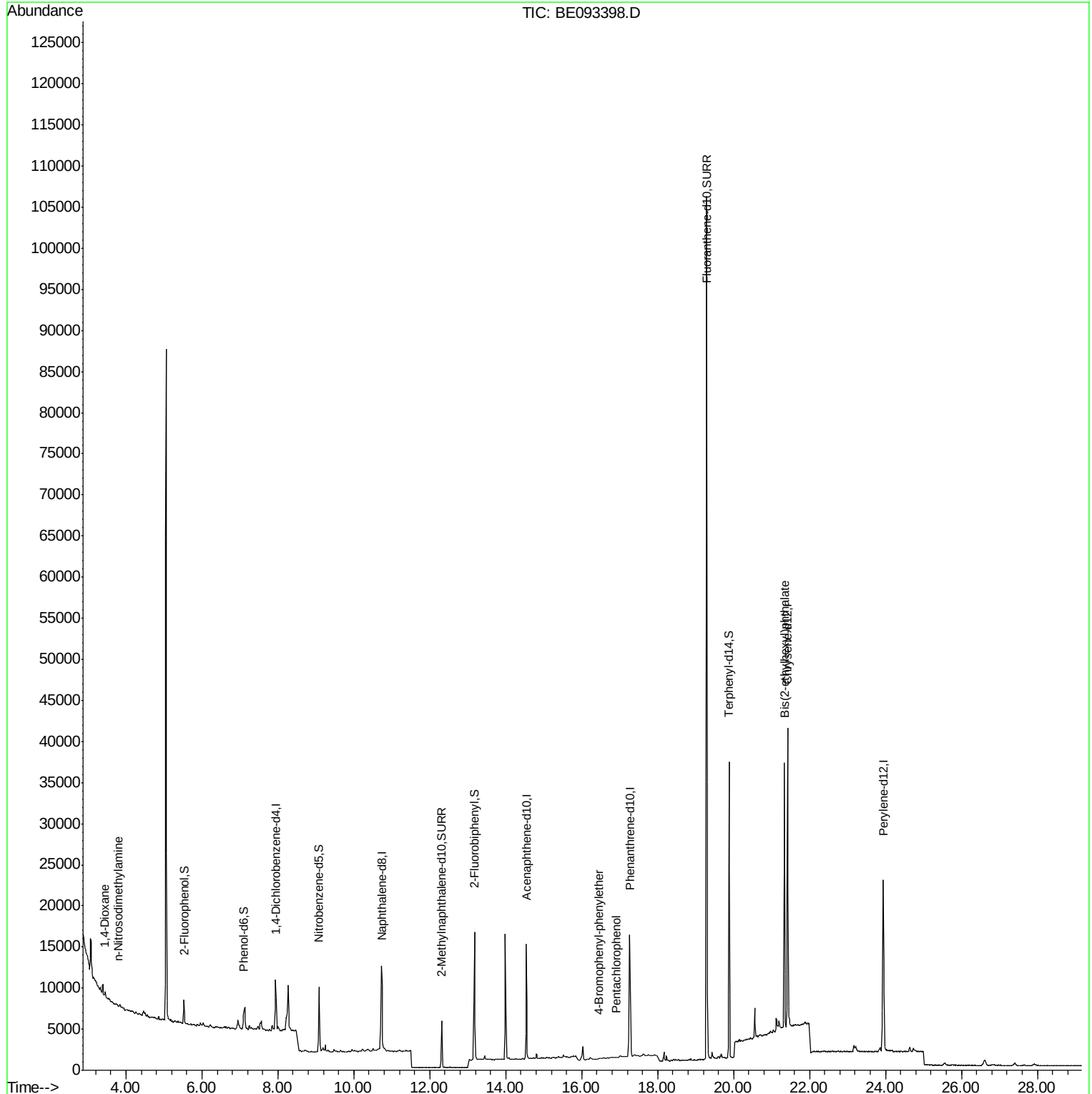
Quant Time: Jul 03 05:12:06 2017

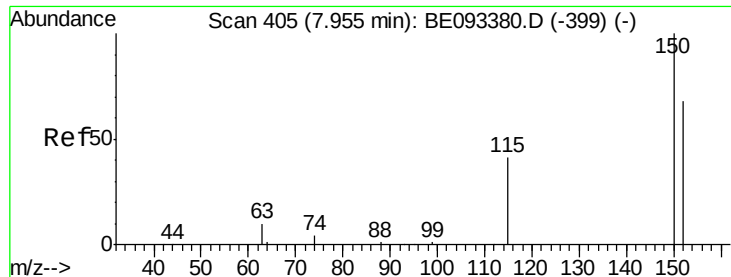
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070117.M

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.94 min Scan# 404

Delta R.T. -0.01 min

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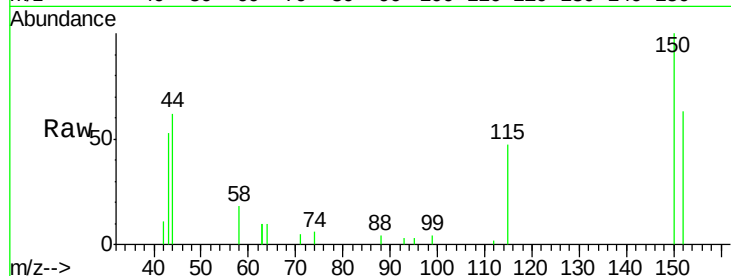
Tgt Ion: 152 Resp: 2705

Ion Ratio Lower Upper

152 100

150 159.0 125.1 187.7

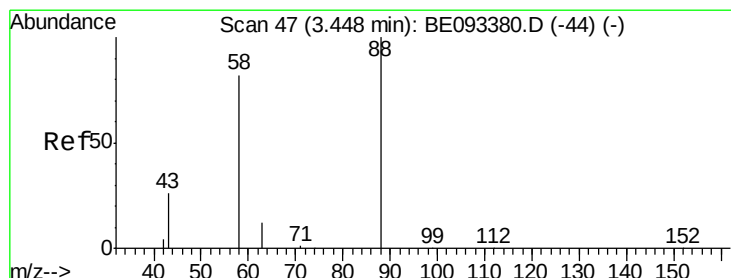
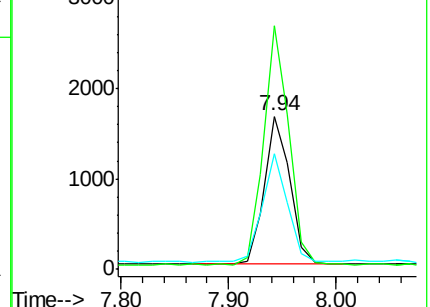
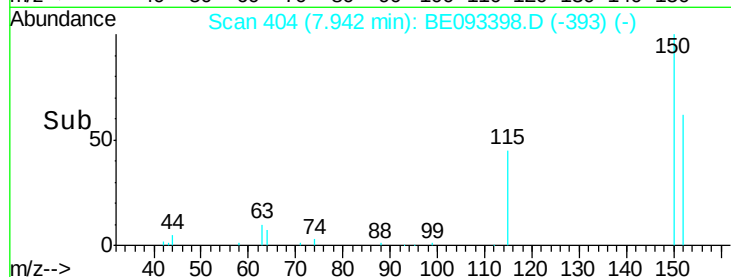
115 75.4 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.08 ng

RT: 3.45 min Scan# 47

Delta R.T. -0.00 min

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Acq: 1 Jul 2017 18:32

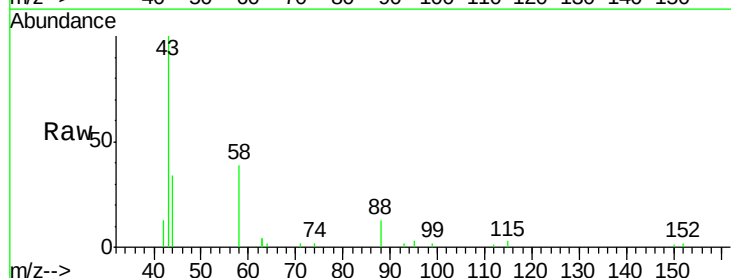
Tgt Ion: 88 Resp: 446

Ion Ratio Lower Upper

88 100

58 158.3 62.2 93.4#

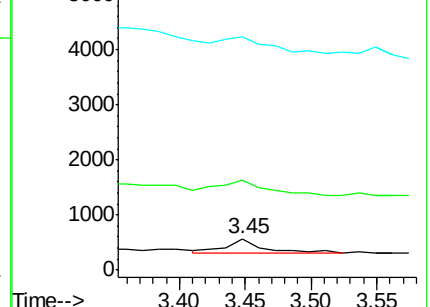
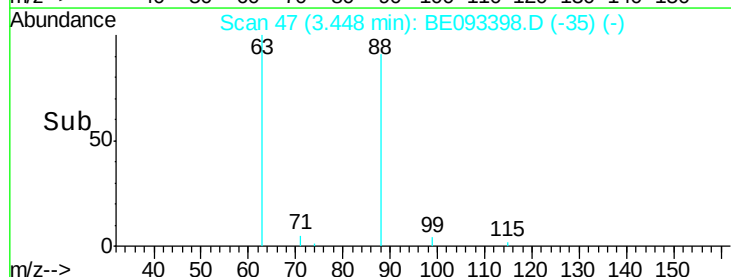
43 0.0 23.2 34.8#

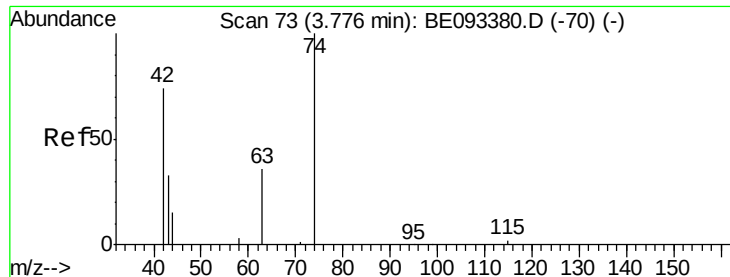


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.14 ng

RT: 3.79 min Scan# 74

Delta R.T. 0.01 min

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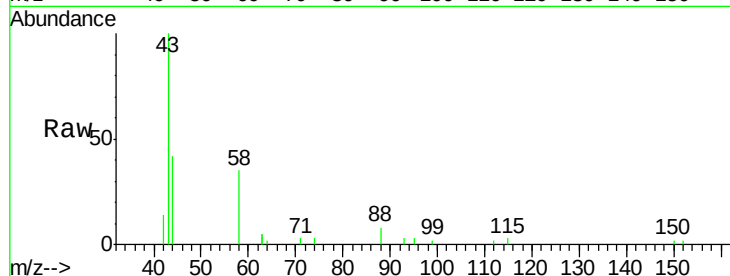
Tgt Ion: 42 Resp: 67

Ion Ratio Lower Upper

42 100

74 20.9 99.1 148.7#

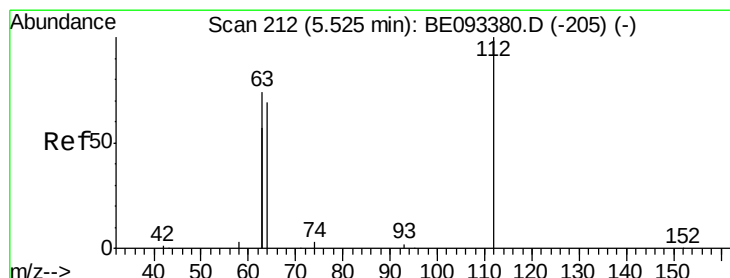
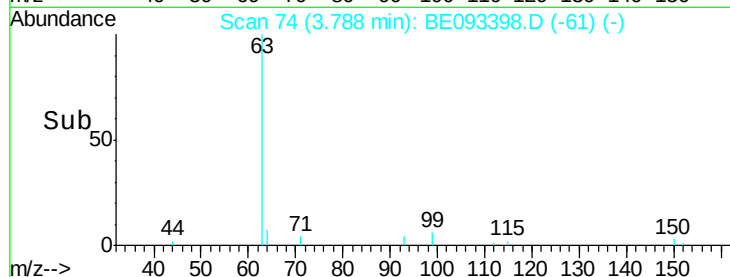
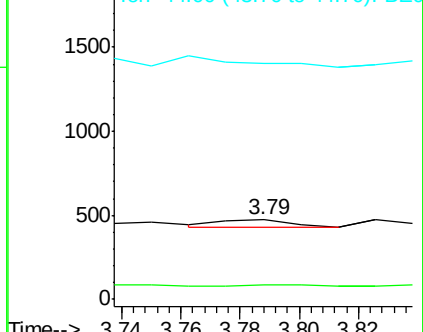
44 0.0 7.4 11.2#



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: 0.18 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

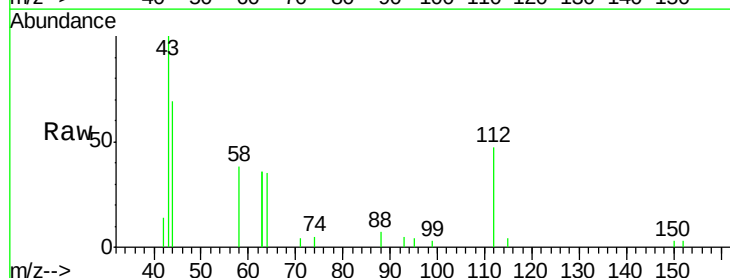
Tgt Ion: 112 Resp: 1498

Ion Ratio Lower Upper

112 100

64 72.6 56.4 84.6

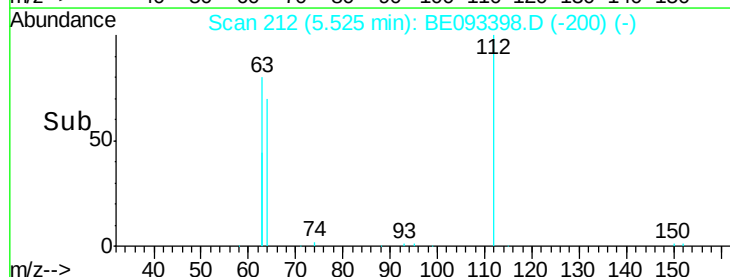
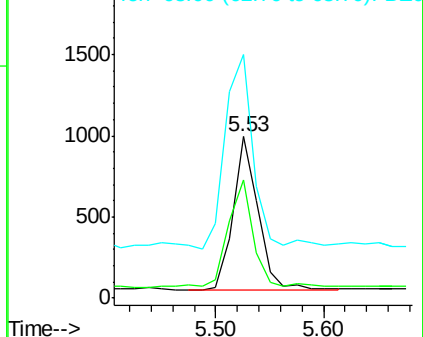
63 138.5 29.3 43.9#

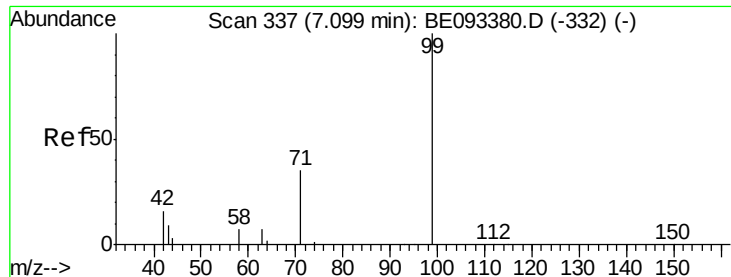


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.10 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

Instrument :

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ClientSampleId :

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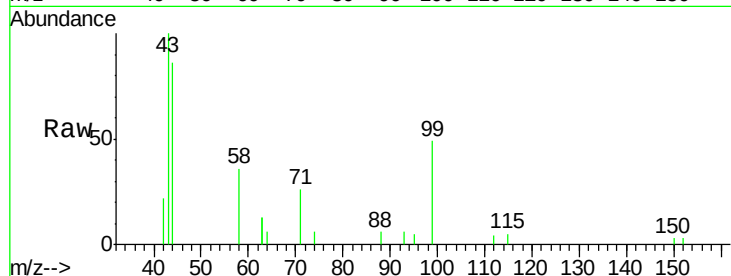
Tgt Ion: 99 Resp: 1319

Ion Ratio Lower Upper

99 100

42 35.3 0.0 0.0#

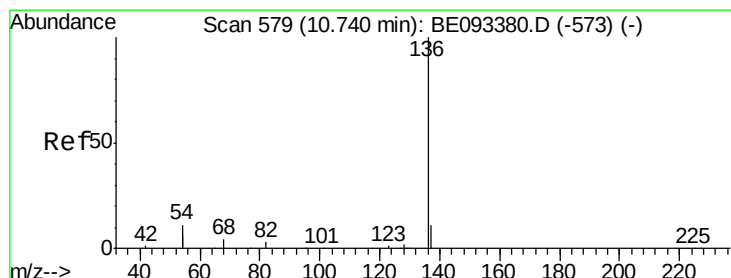
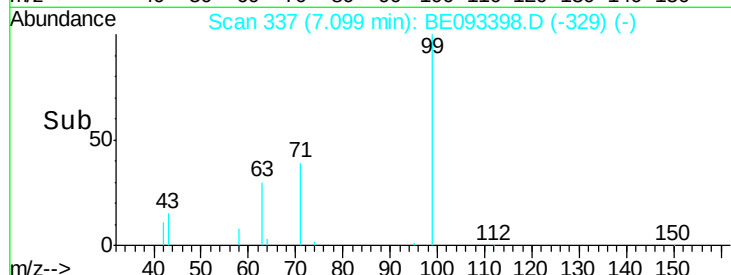
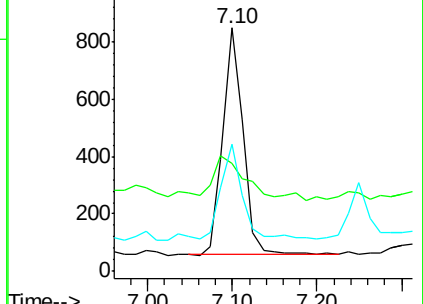
71 47.8 0.0 0.0#



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: 0.40 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

Tgt Ion: 136 Resp: 12964

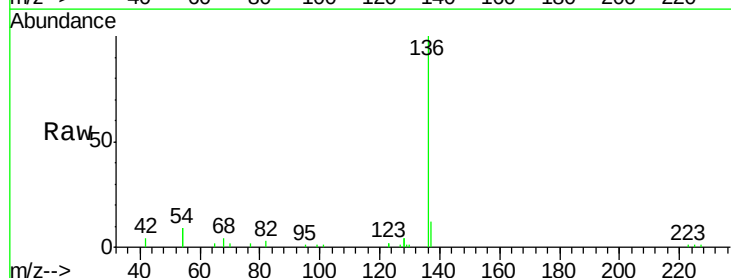
Ion Ratio Lower Upper

136 100

137 12.3 9.8 14.8

54 17.8 10.3 15.5#

68 4.2 9.0 13.4#

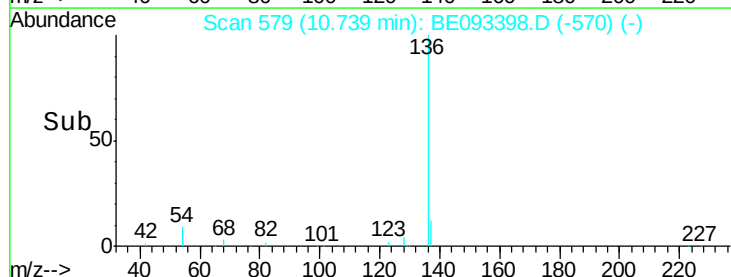
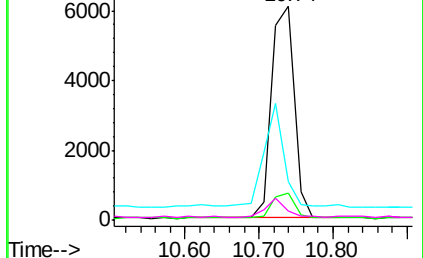


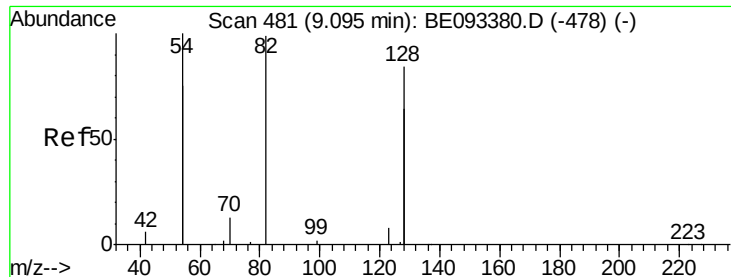
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.49 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.02 min

Lab File: BE093398.D

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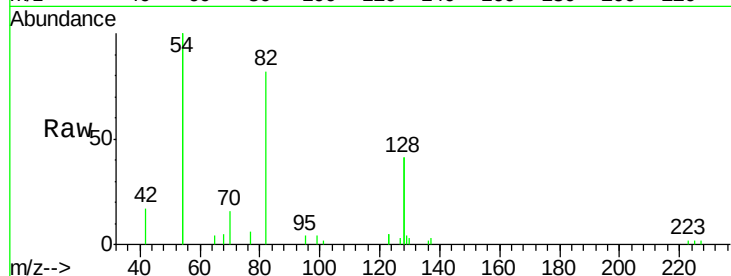
Tgt Ion: 82 Resp: 3754

Ion Ratio Lower Upper

82 100

128 100.2 17.0 25.4#

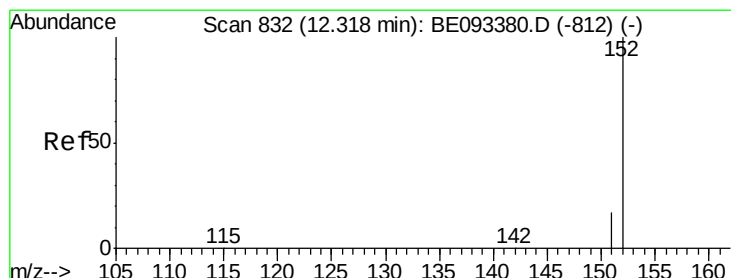
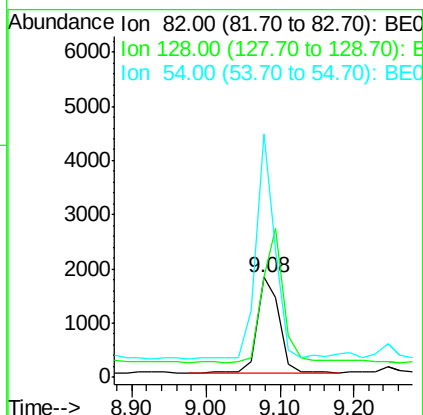
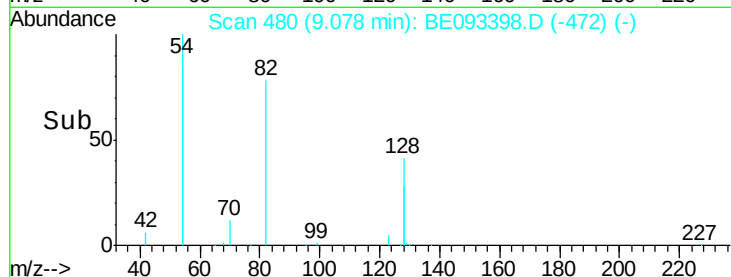
54 244.0 53.8 80.6#



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



#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.31 min Scan# 830

Delta R.T. -0.01 min

Lab File: BE093398.D

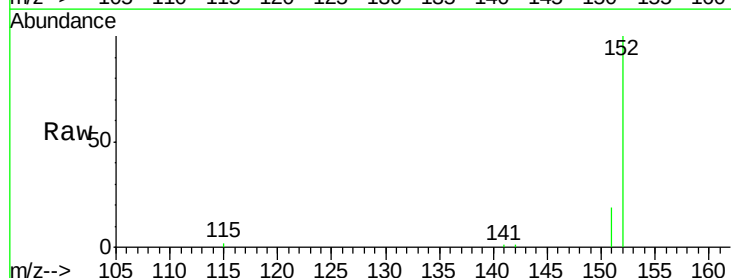
Acq: 1 Jul 2017 18:32

Tgt Ion: 152 Resp: 7792

Ion Ratio Lower Upper

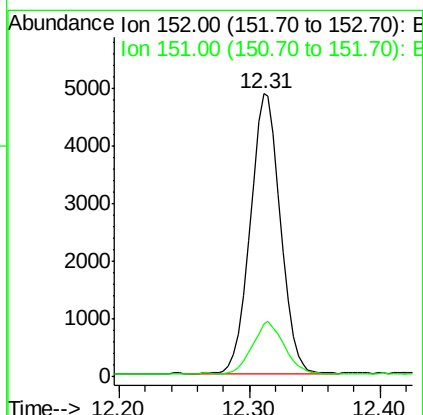
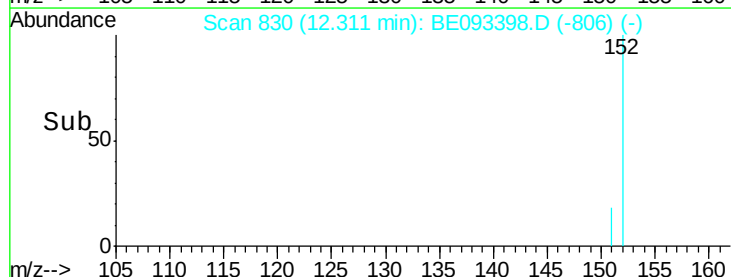
152 100

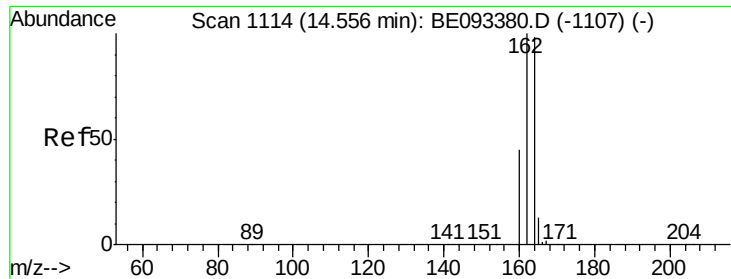
151 19.5 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.54 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

Instrument :

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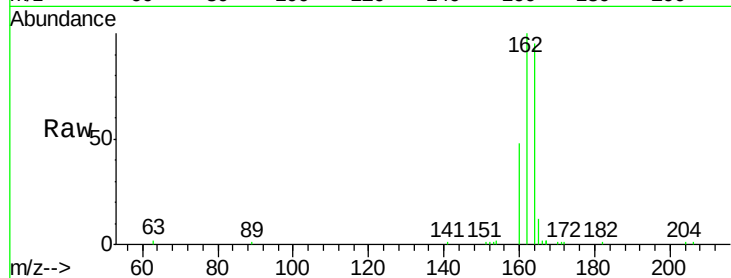
Tgt Ion: 164 Resp: 8175

Ion Ratio Lower Upper

164 100

162 105.6 84.6 127.0

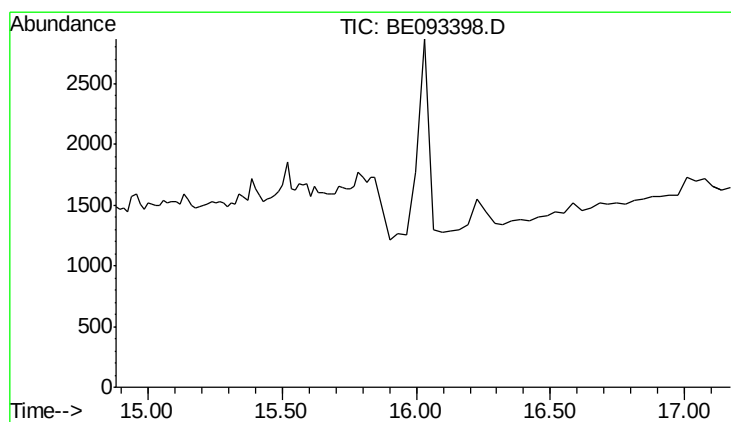
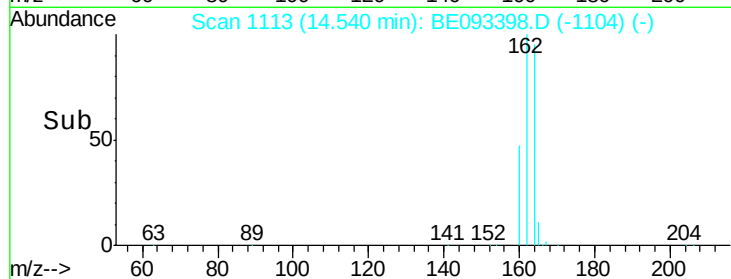
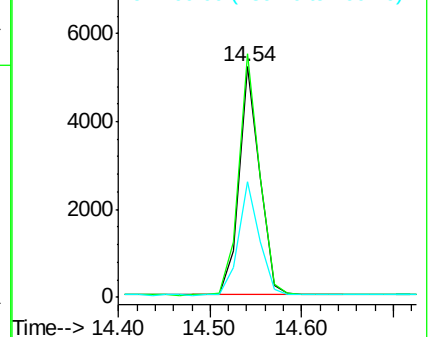
160 50.3 41.8 62.6



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: 0.00 ng

Expected RT: 16.03 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

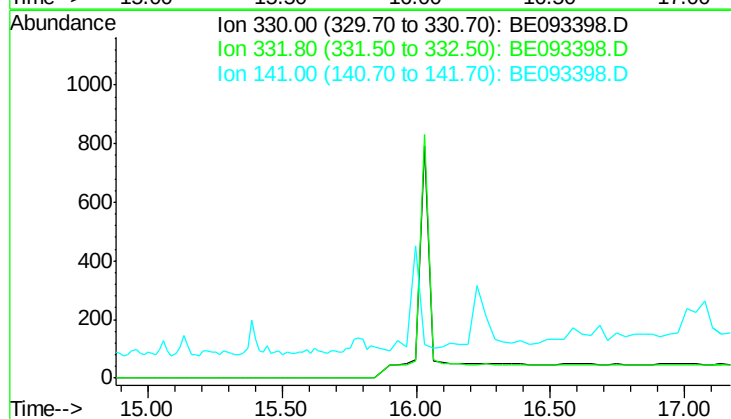
Tgt Ion: 330

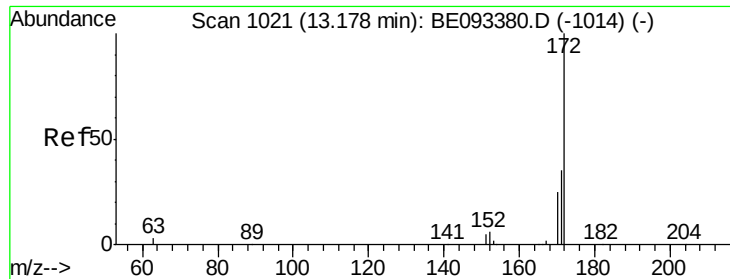
Sig Exp Ratio

330 100

332 97.1

141 70.3

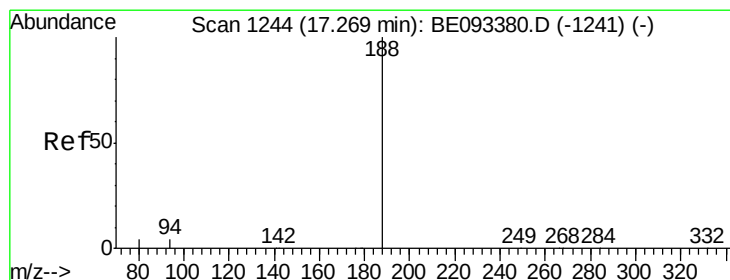
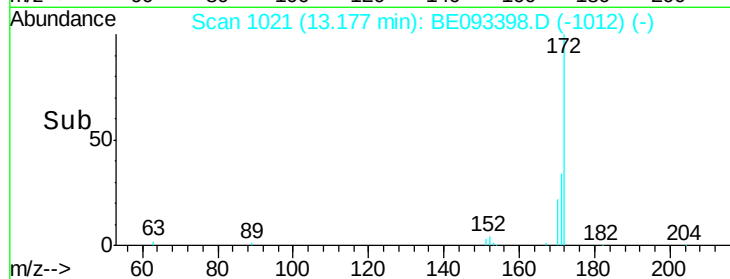
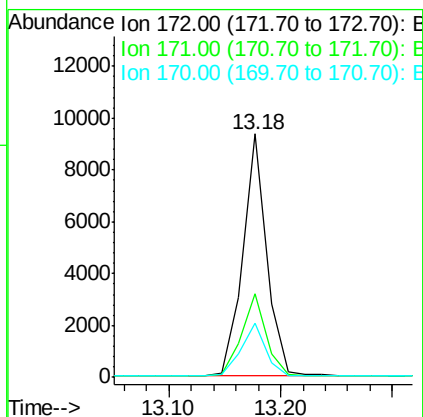
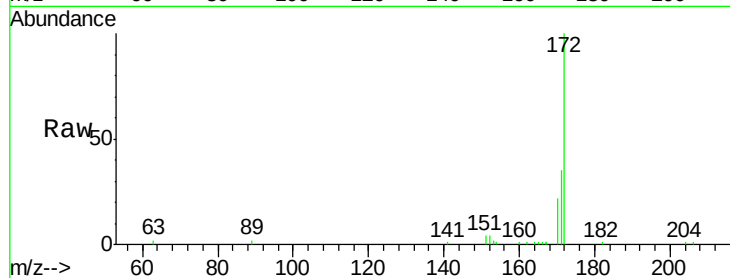




#15
2-Fluorobiphenyl
Concen: 0.43 ng
RT: 13.18 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE093398.D
Acq: 1 Jul 2017 18:32

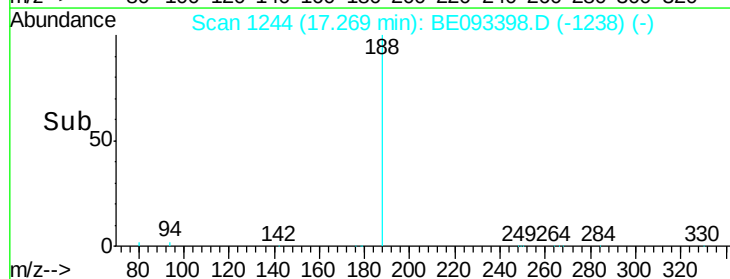
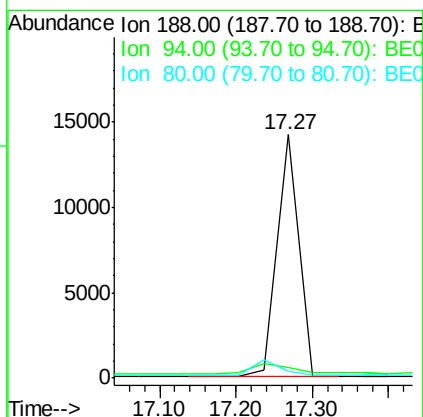
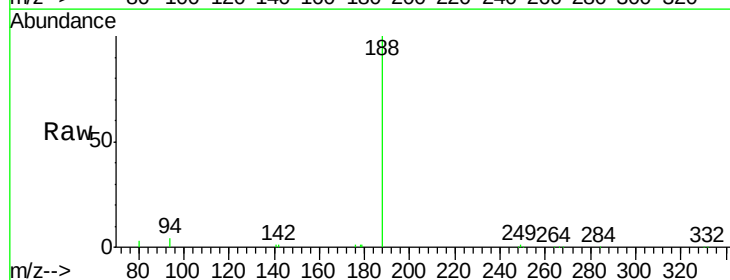
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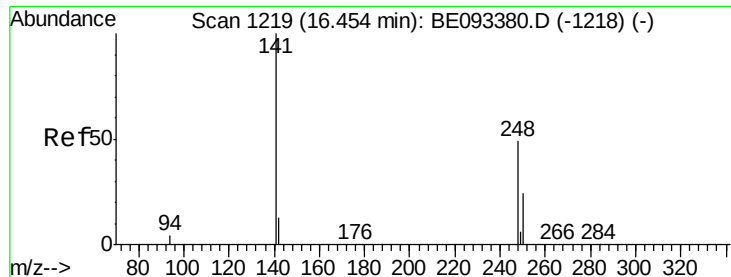
Tgt Ion:172 Resp: 13783
Ion Ratio Lower Upper
172 100
171 34.6 29.8 44.6
170 22.1 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093398.D
Acq: 1 Jul 2017 18:32

Tgt Ion:188 Resp: 28680
Ion Ratio Lower Upper
188 100
94 4.2 11.3 16.9#
80 3.0 11.7 17.5#

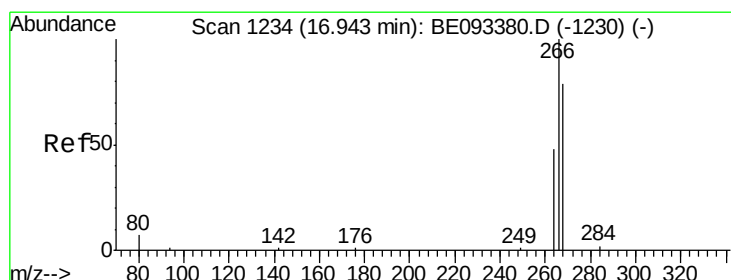
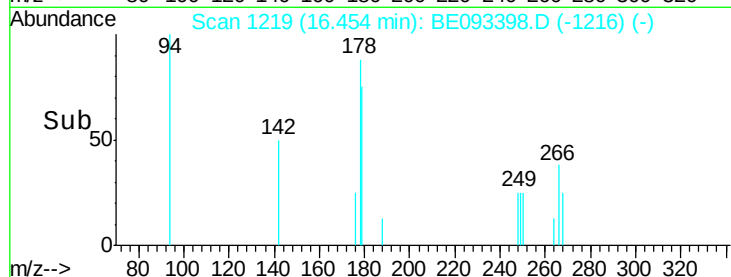
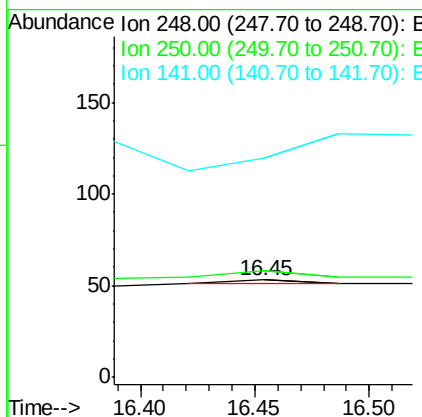
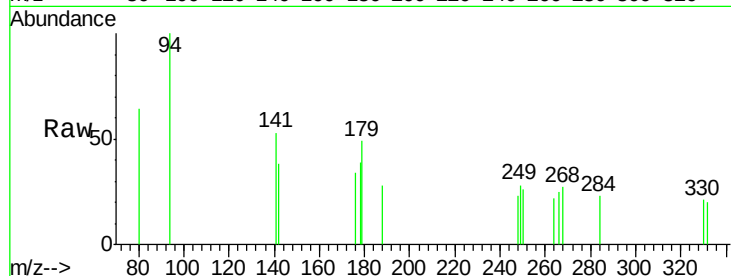




#20
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE093398.D
Acq: 1 Jul 2017 18:32

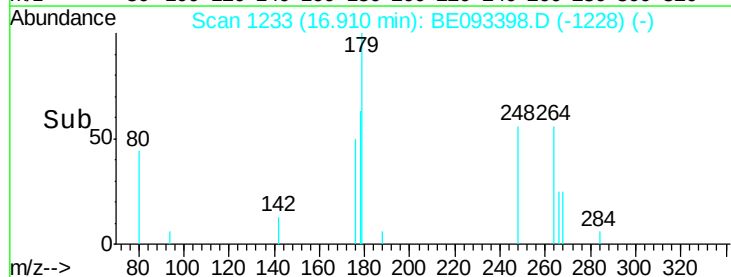
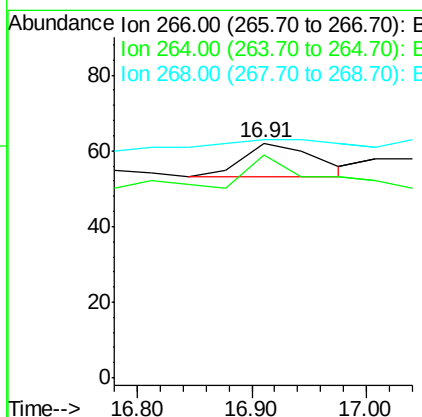
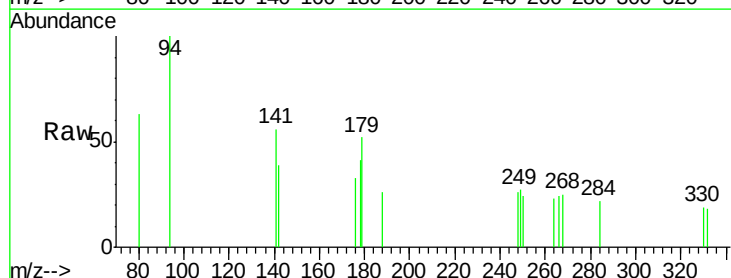
Instrument :
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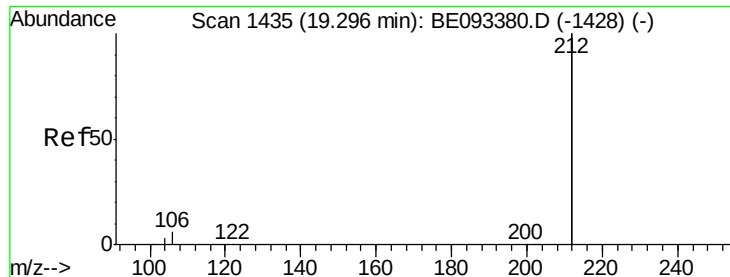
Tgt Ion:248 Resp: 4
Ion Ratio Lower Upper
248 100
250 109.4 40.8 61.2#
141 226.4 161.6 242.4



#22
Pentachlorophenol
Concen: 0.05 ng
RT: 16.91 min Scan# 1233
Delta R.T. -0.03 min
Lab File: BE093398.D
Acq: 1 Jul 2017 18:32

Tgt Ion:266 Resp: 41
Ion Ratio Lower Upper
266 100
264 95.2 58.2 87.2#
268 101.6 71.9 107.9

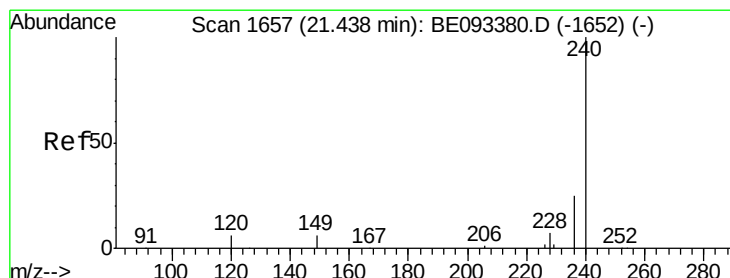
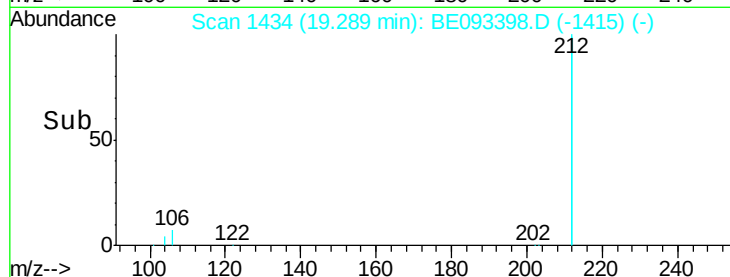
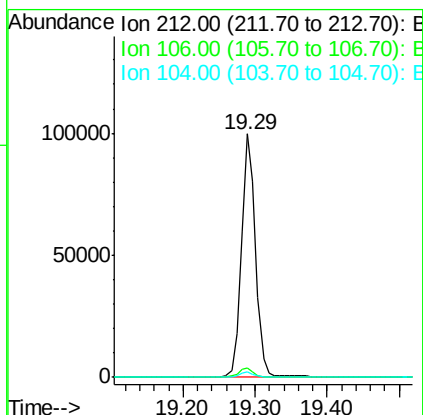
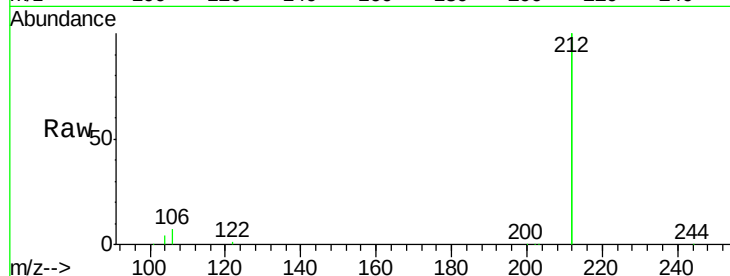




#25
 Fluoranthene-d10
 Concen: 0.51 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BE093398.D
 Acq: 1 Jul 2017 18:32

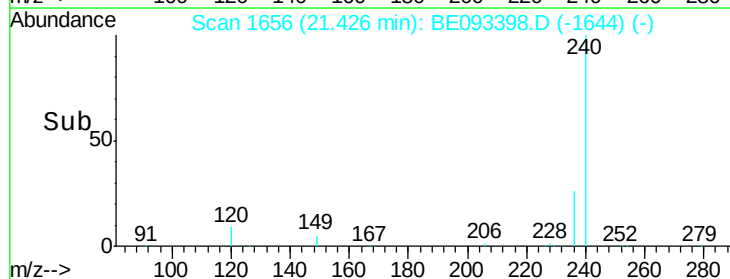
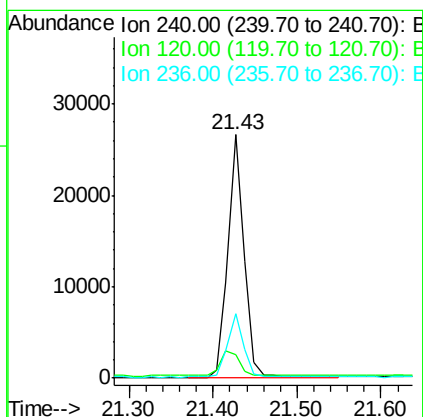
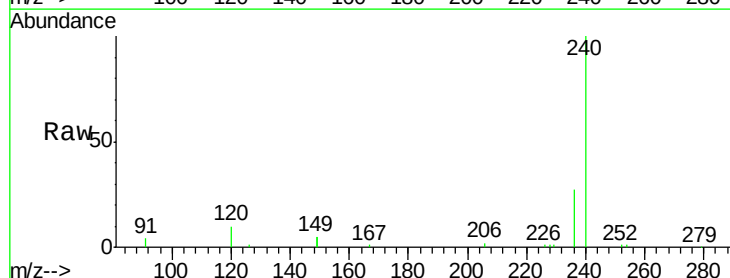
Instrument :
 BNA_E
 ClientSampleId :
 MH-118.5N-20170627

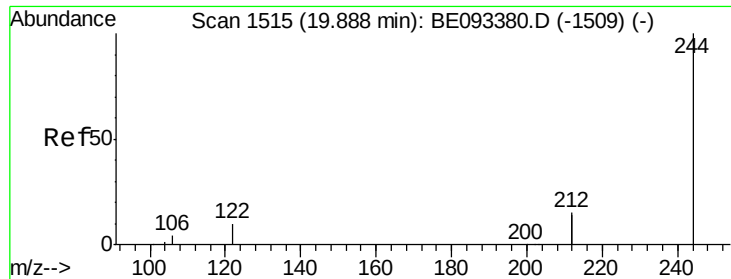
Tgt Ion: 212 Resp: 134686
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.4 3.6
 104 2.1 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: BE093398.D
 Acq: 1 Jul 2017 18:32

Tgt Ion: 240 Resp: 35257
 Ion Ratio Lower Upper
 240 100
 120 9.7 4.6 7.0#
 236 26.5 20.8 31.2





#29

Terphenyl-d14

Concen: 0.47 ng

RT: 19.88 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

Instrument :

BNA_E

ClientSampleId :

MH-118.5N-20170627

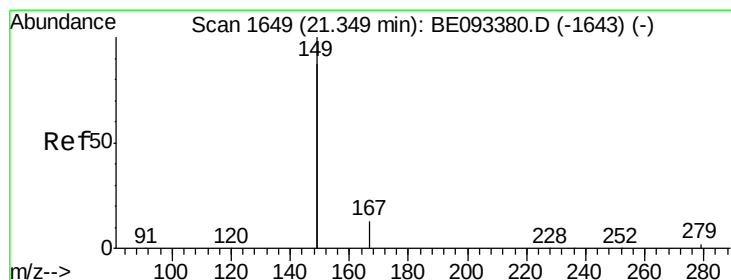
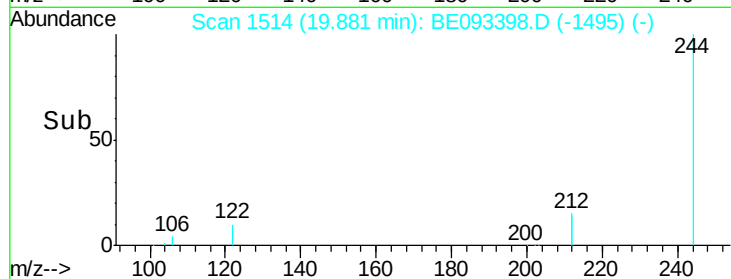
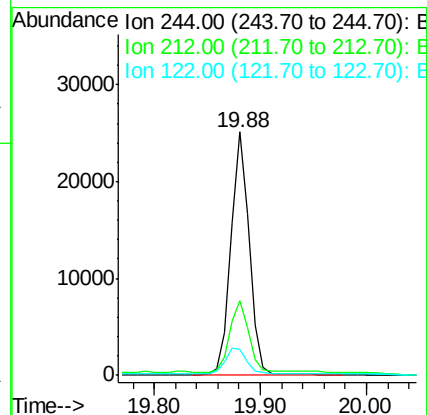
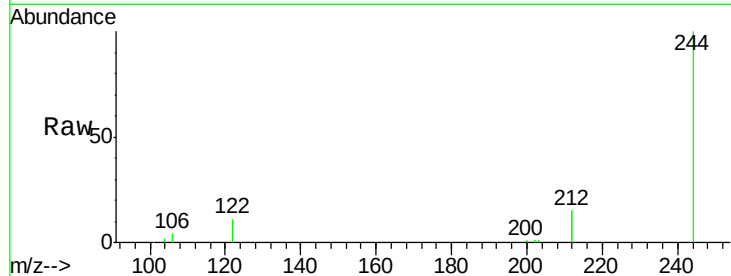
Tgt Ion:244 Resp: 30467

Ion Ratio Lower Upper

244 100

212 30.6 10.6 16.0#

122 10.6 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.34 min Scan# 1648

Delta R.T. -0.01 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

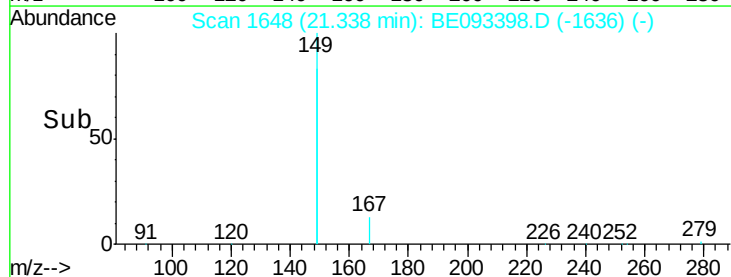
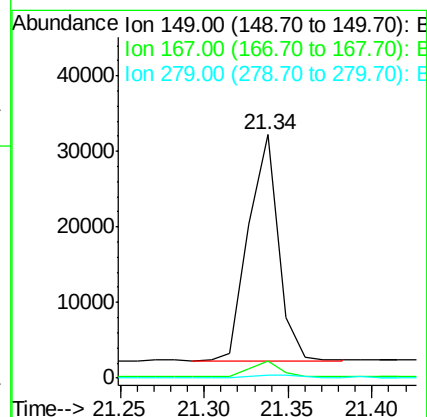
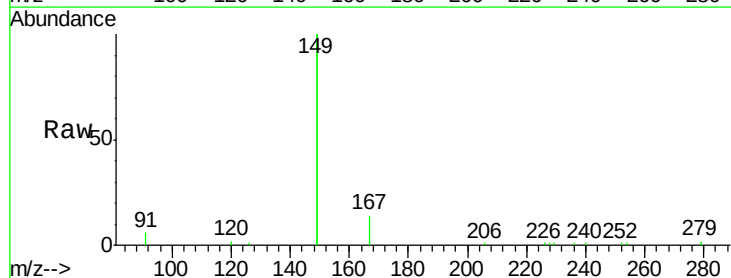
Tgt Ion:149 Resp: 37079

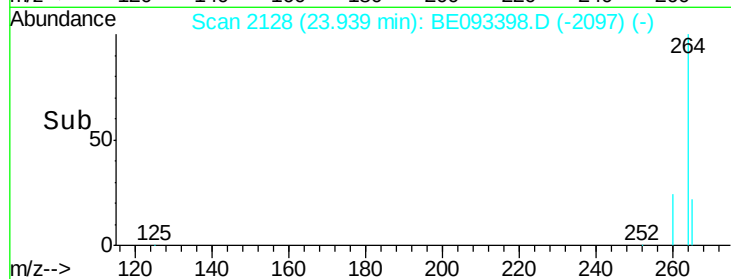
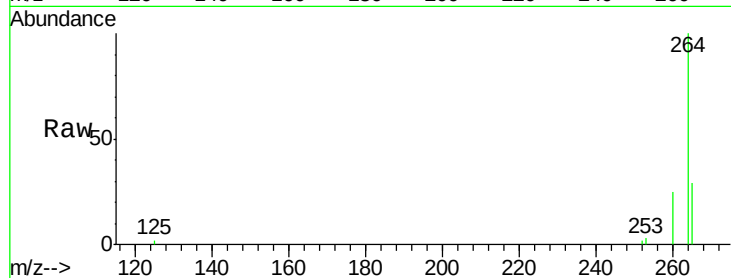
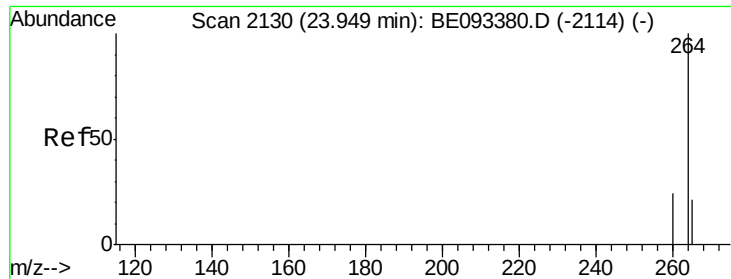
Ion Ratio Lower Upper

149 100

167 6.6 20.1 30.1#

279 1.2 2.2 3.4#





#34

Perylene-d12

Concen: 0.40 ng

RT: 23.94 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE093398.D

Acq: 1 Jul 2017 18:32

Instrument :

BNA_E

ClientSampleId :

MH-118.5N-20170627

Tgt Ion:264 Resp: 31967

Ion Ratio Lower Upper

264 100

260 24.5 21.0 31.4

265 29.4 24.6 36.8

