

Data File : BE093392.D
Acq On : 1 Jul 2017 14:48
Operator : SJ/JU
Sample : I3687-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
KY038PS034-170613

Quant Time: Jul 03 05:10:38 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	2626	0.40	ng	-0.01
7) Naphthalene-d8	10.74	136	12075	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	7091	0.40	ng	-0.01
19) Phenanthrene-d10	17.27	188	25179	0.40	ng	0.00
27) Chrysene-d12	21.43	240	34116	0.40	ng	-0.01
34) Perylene-d12	23.94	264	31764	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	480	0.06	ng	0.00
5) Phenol-d6	7.10	99	689	0.06	ng	0.00
8) Nitrobenzene-d5	9.08	82	2324	0.32	ng	-0.02
11) 2-Methylnaphthalene-d10	12.31	152	5100	0.26	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.18	172	9716	0.35	ng	0.00
25) Fluoranthene-d10	19.29	212	82658	0.36	ng	0.00
29) Terphenyl-d14	19.88	244	19605	0.31	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	261	0.05	ng	# 20
3) n-Nitrosodimethylamine	3.83	42	60	0.14	ng	# 1
9) Naphthalene	10.77	128	5868	0.05	ng	# 78
12) 2-Methylnaphthalene	12.39	142	723	0.03	ng	# 95
22) Pentachlorophenol	16.91	266	25	0.04	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.34	149	39135	0.28	ng	# 67

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

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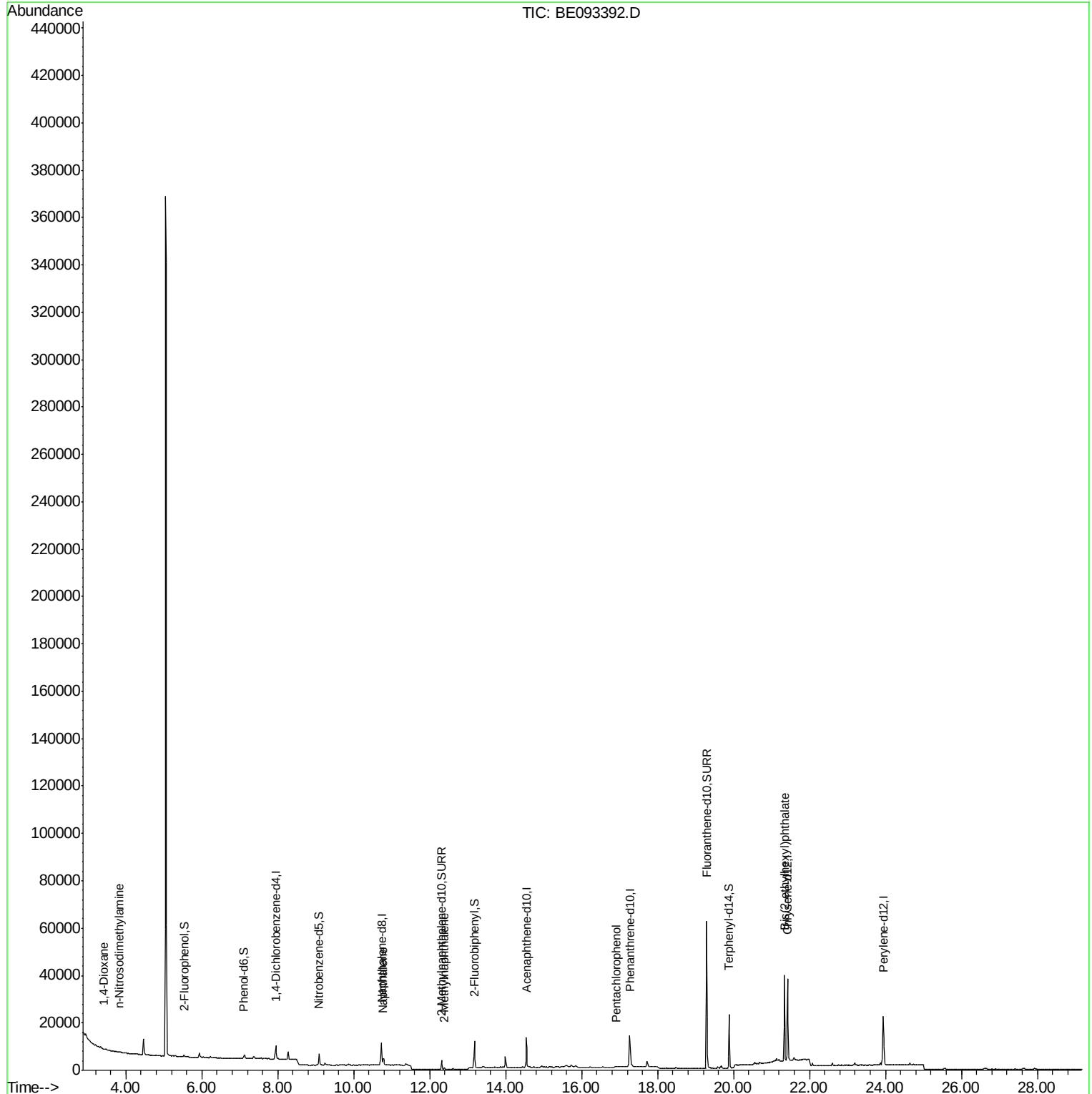
Quant Time: Jul 03 05:10:38 2017

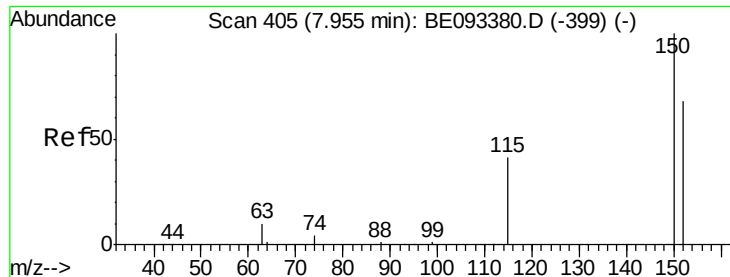
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070117.M

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Response via : Initial Calibration





#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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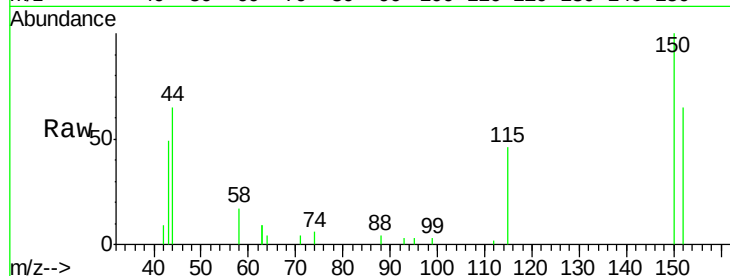
Tgt Ion:152 Resp: 2626

Ion Ratio Lower Upper

152 100

150 154.5 125.1 187.7

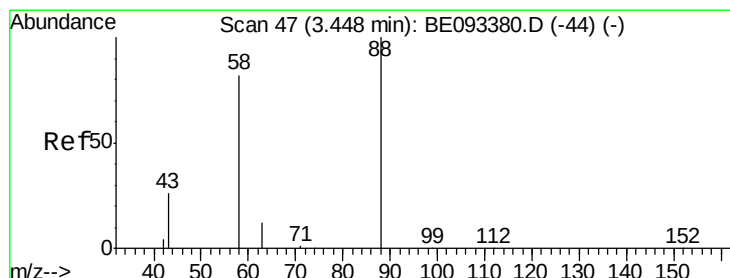
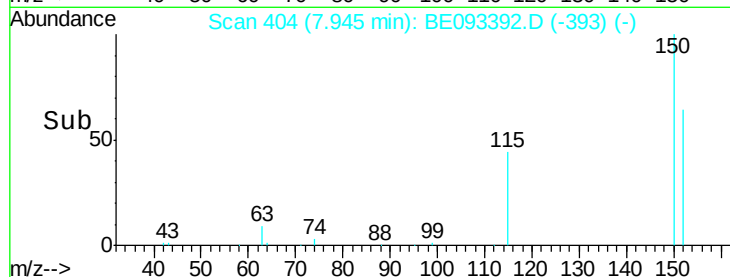
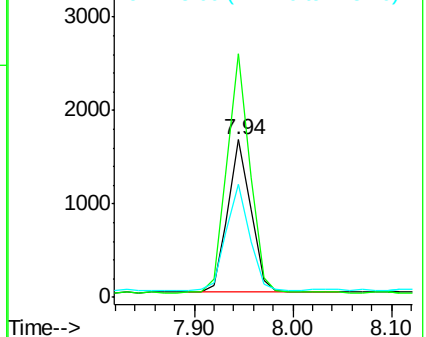
115 71.7 55.7 83.5



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: 0.05 ng

RT: 3.41 min Scan# 44

Delta R.T. -0.04 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

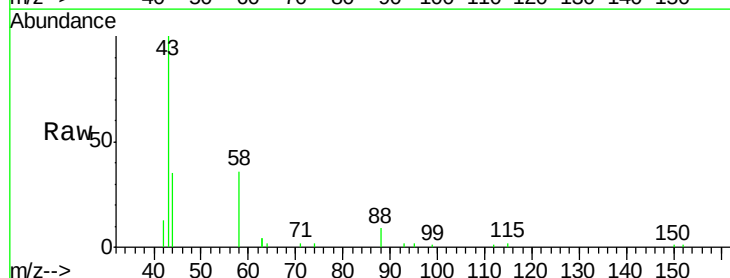
Tgt Ion: 88 Resp: 261

Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

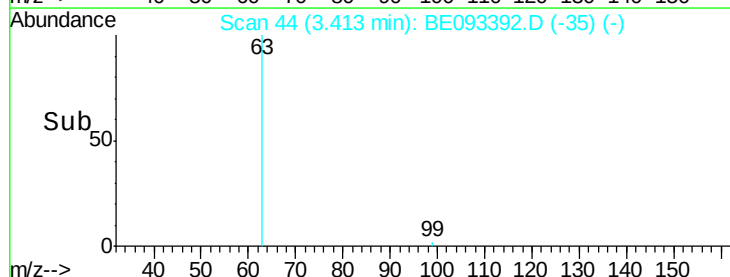
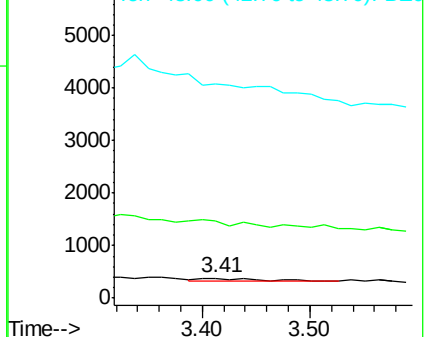
43 0.0 23.2 34.8#

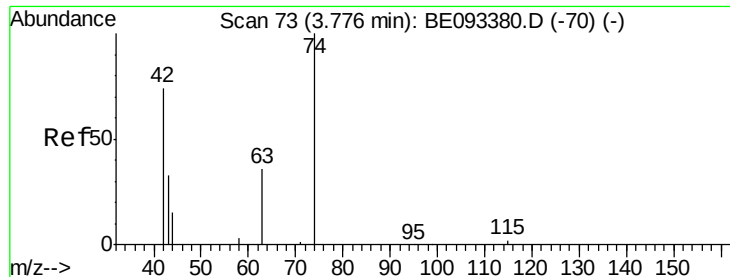


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 3.83 min Scan# 77

Delta R.T. 0.05 min

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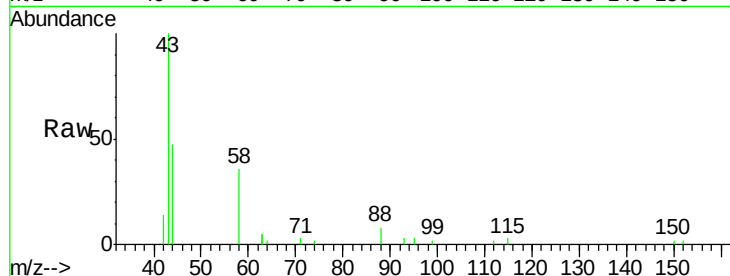
Tgt Ion: 42 Resp: 60

Ion Ratio Lower Upper

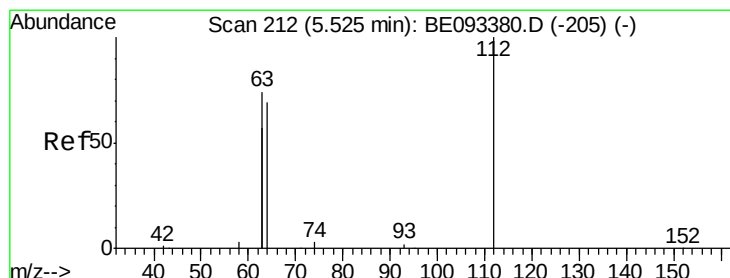
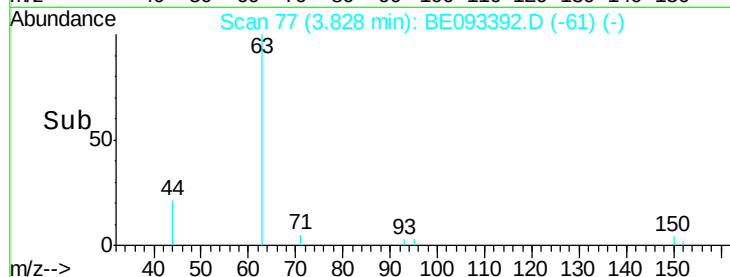
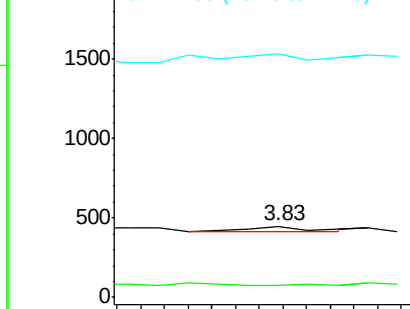
42 100

74 0.0 99.1 148.7#

44 255.0 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: 0.06 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

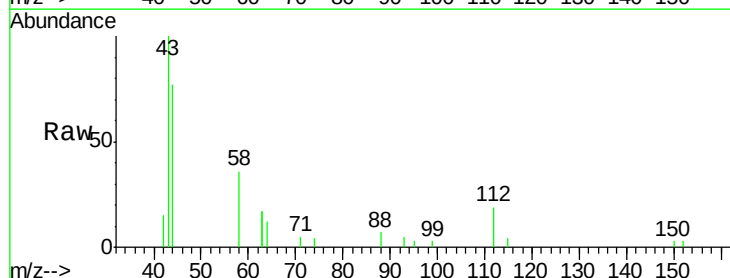
Tgt Ion: 112 Resp: 480

Ion Ratio Lower Upper

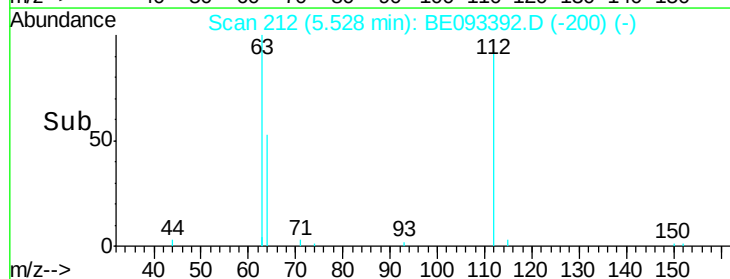
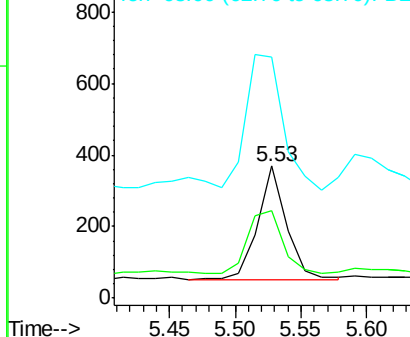
112 100

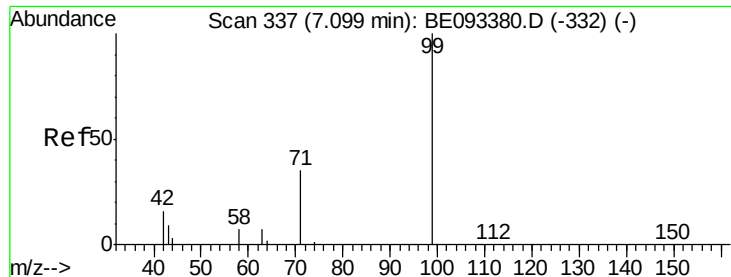
64 67.5 56.4 84.6

63 153.5 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: 0.06 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

Instrument :

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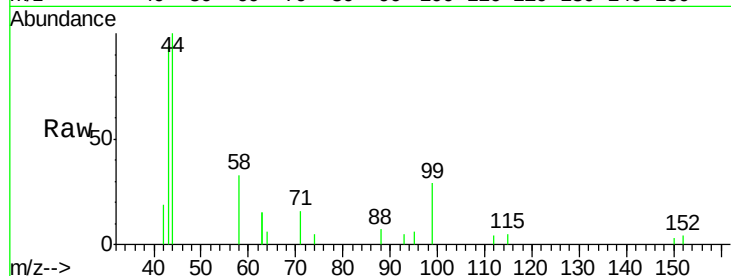
Tgt Ion: 99 Resp: 689

Ion Ratio Lower Upper

99 100

42 31.8 0.0 0.0#

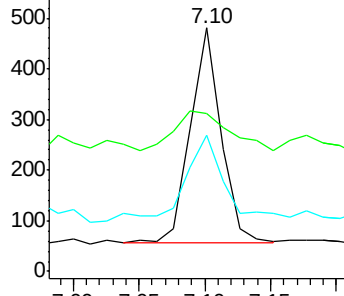
71 50.9 0.0 0.0#



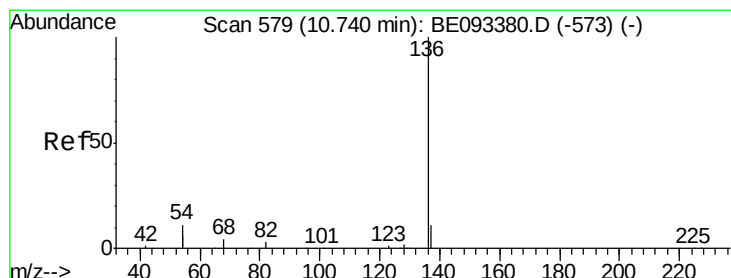
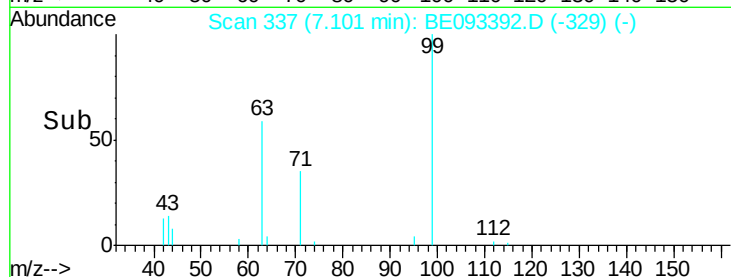
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

Tgt Ion: 136 Resp: 12075

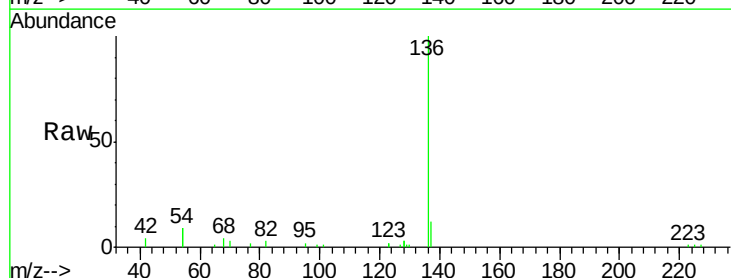
Ion Ratio Lower Upper

136 100

137 11.7 9.8 14.8

54 17.7 10.3 15.5#

68 4.2 9.0 13.4#

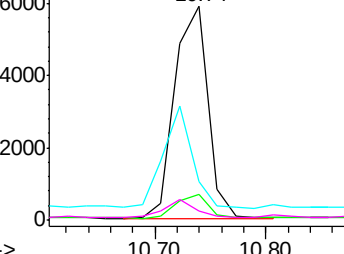


Abundance Ion 136.00 (135.70 to 136.70): E

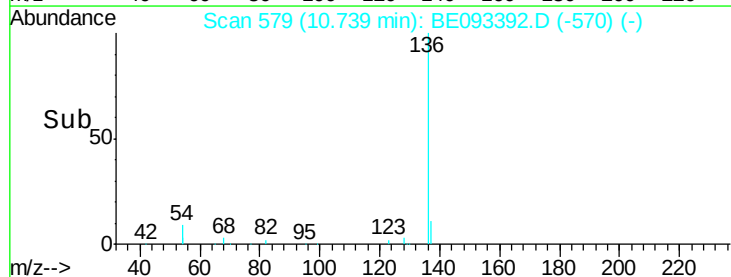
Ion 137.00 (136.70 to 137.70): E

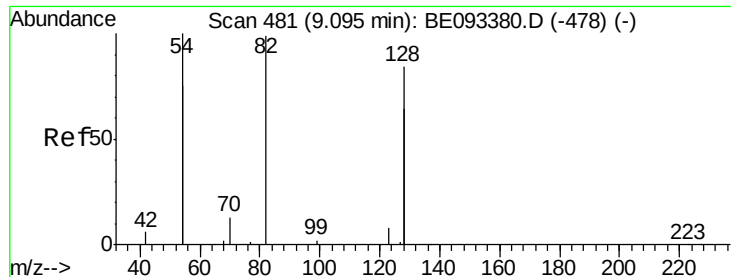
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->





#8

Nitrobenzene-d5

Concen: 0.32 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.02 min

Lab File: BE093392.D

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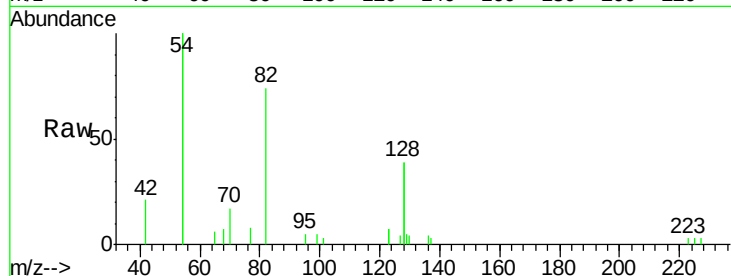
Tgt Ion: 82 Resp: 2324

Ion Ratio Lower Upper

82 100

128 103.6 17.0 25.4#

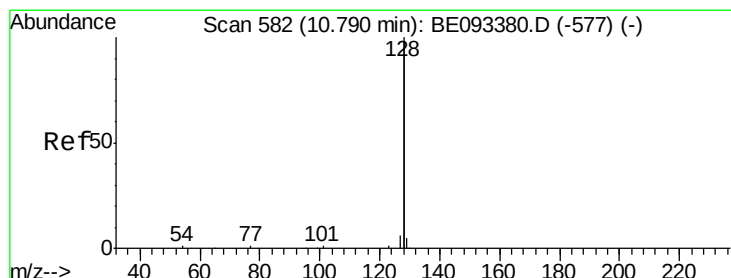
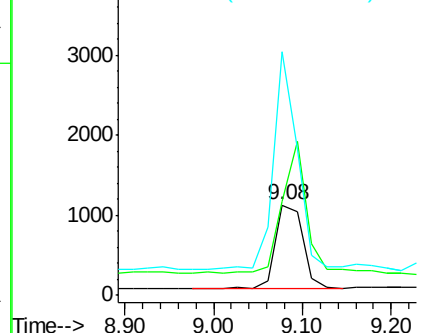
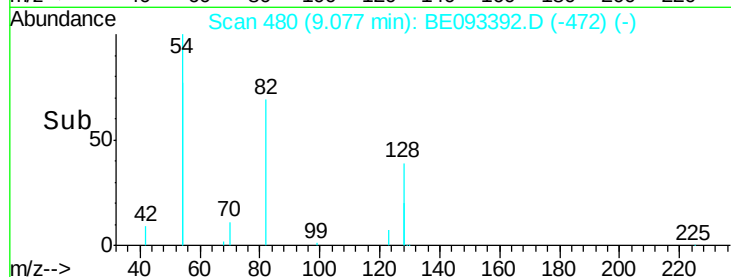
54 268.7 53.8 80.6#



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



#9

Naphthalene

Concen: 0.05 ng

RT: 10.77 min Scan# 581

Delta R.T. -0.02 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

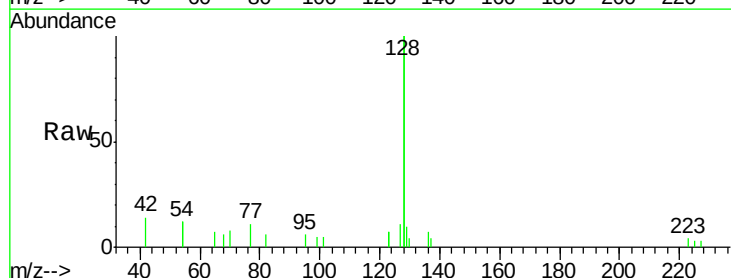
Tgt Ion: 128 Resp: 5868

Ion Ratio Lower Upper

128 100

129 5.1 11.4 17.0#

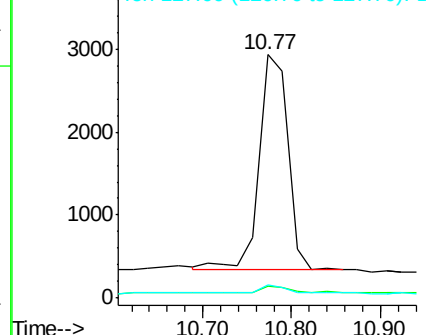
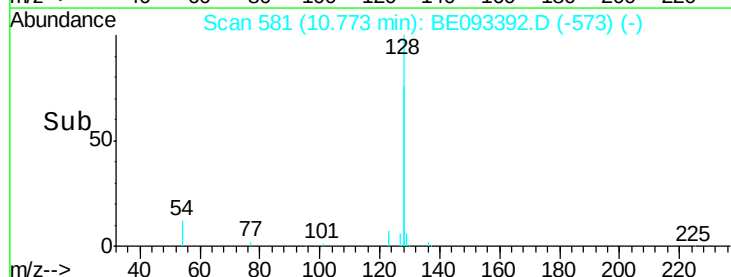
127 5.3 11.2 16.8#

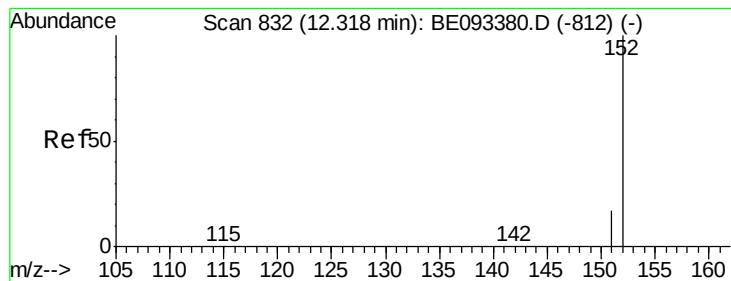


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.26 ng

RT: 12.31 min Scan# 831

Delta R.T. -0.00 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

Instrument :

BNA_E

ClientSampleId :

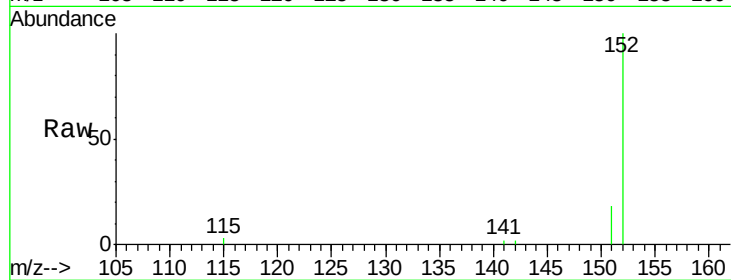
KY038PS034-170613

Tgt Ion:152 Resp: 5100

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.31

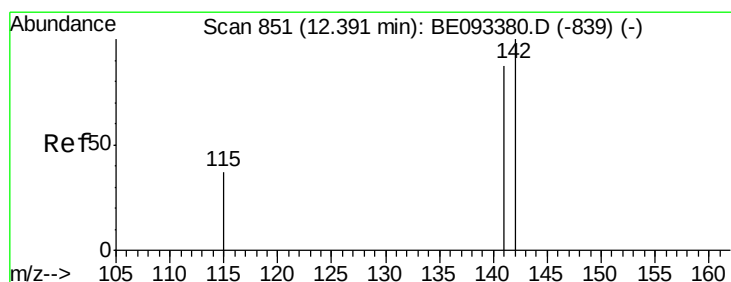
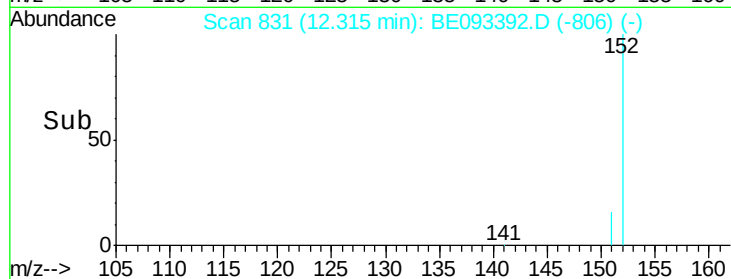
3000

2000

1000

0

Time--> 12.25 12.30 12.35 12.40



#12

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.39 min Scan# 850

Delta R.T. -0.00 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

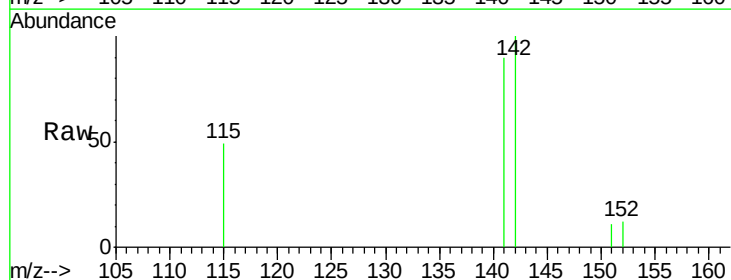
Tgt Ion:142 Resp: 723

Ion Ratio Lower Upper

142 100

141 89.9 72.6 108.8

115 49.3 32.2 48.2#



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

12.39

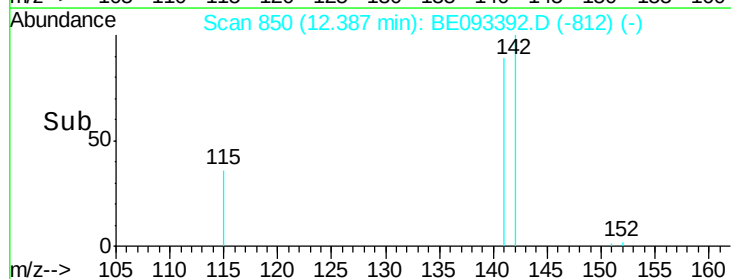
600

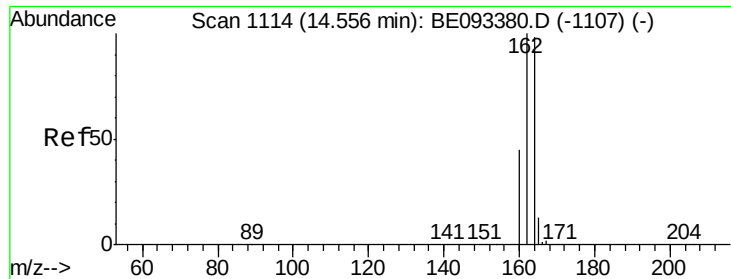
400

200

0

Time--> 12.30 12.35 12.40 12.45





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.54 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

Instrument :

BNA_E

ClientSampleId :

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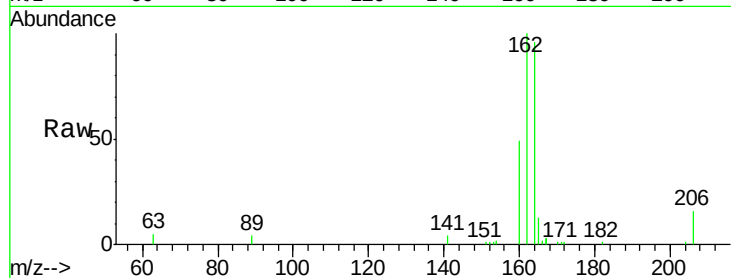
Tgt Ion: 164 Resp: 7091

Ion Ratio Lower Upper

164 100

162 103.8 84.6 127.0

160 50.6 41.8 62.6

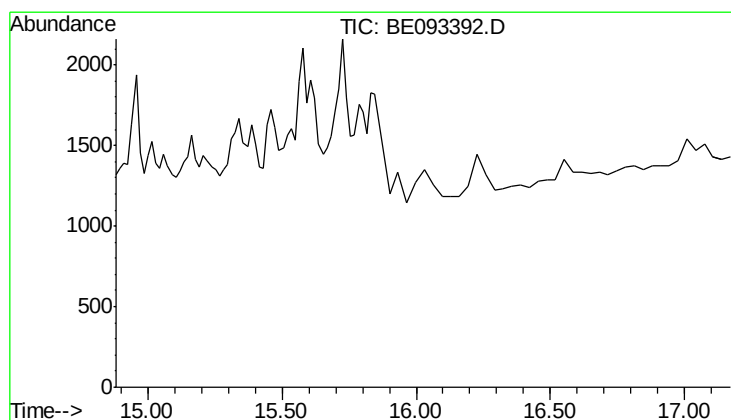
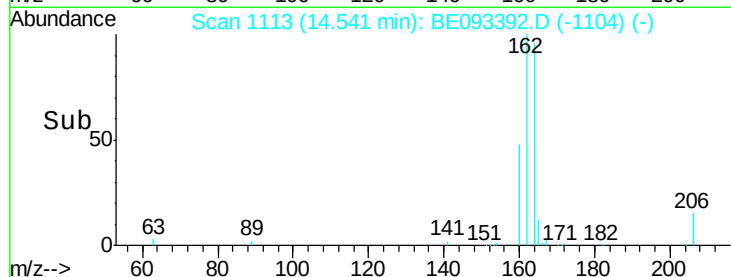
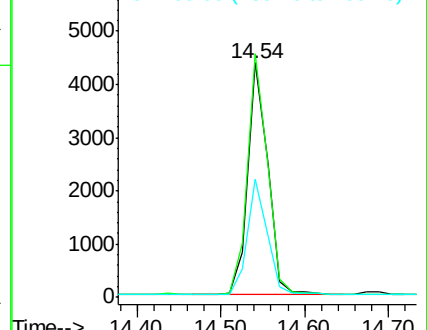


Abundance

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: BE093392.D

Acq: 1 Jul 2017 14:48

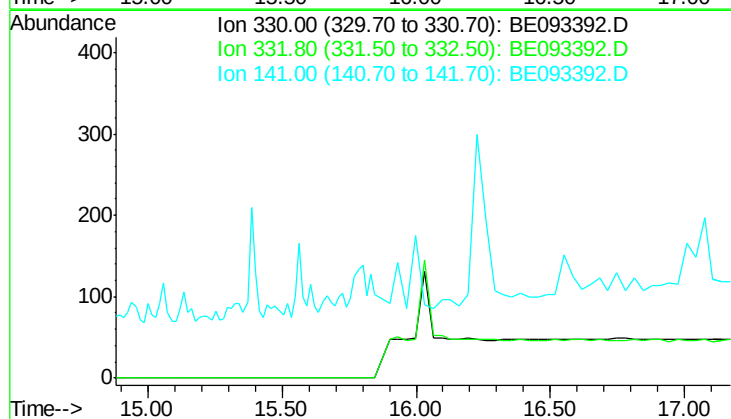
Tgt Ion: 330

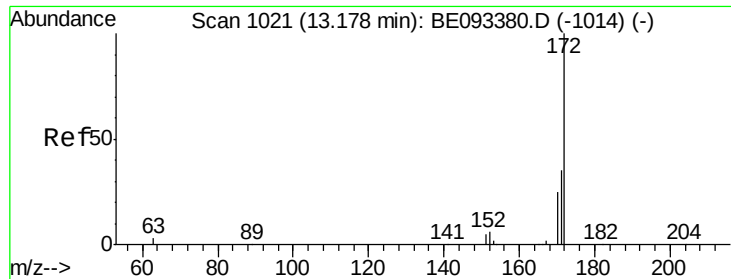
Sig Exp Ratio

330 100

332 97.1

141 70.3

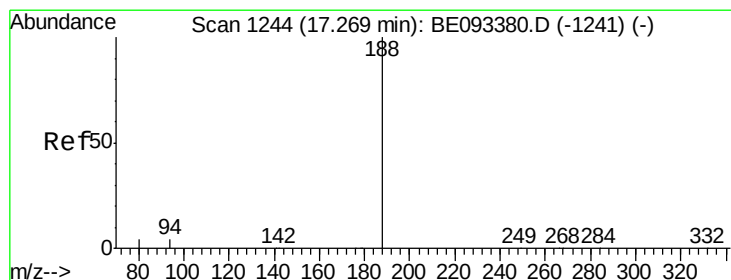
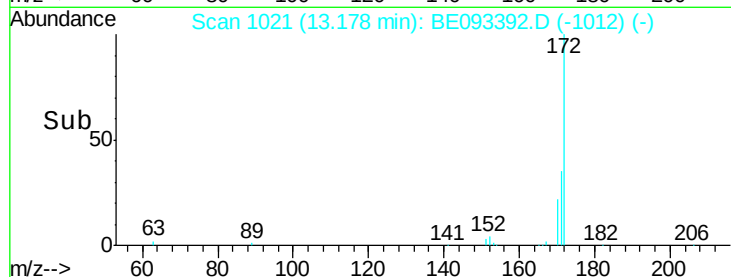
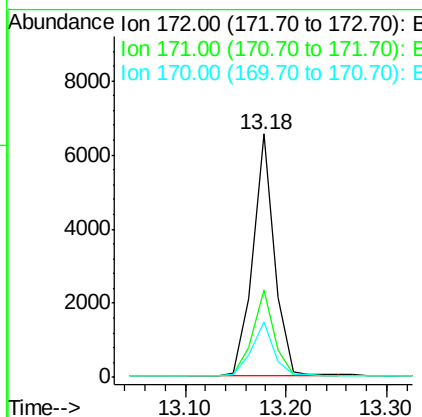
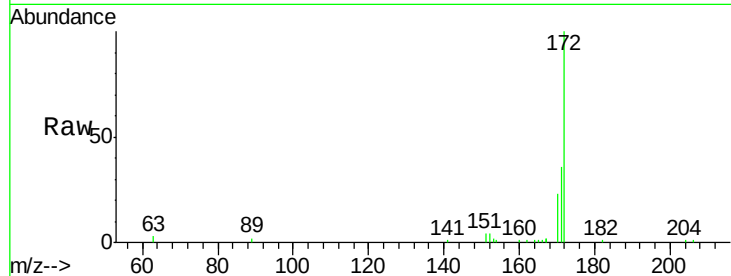




#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 13.18 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE093392.D
Acq: 1 Jul 2017 14:48

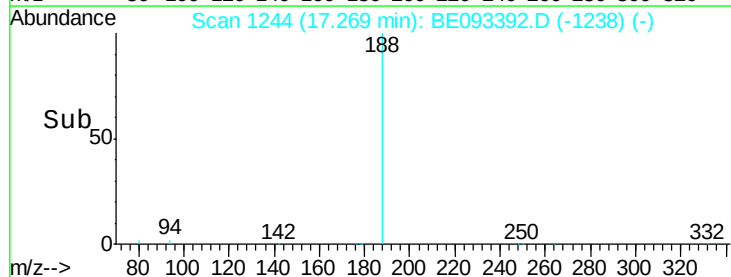
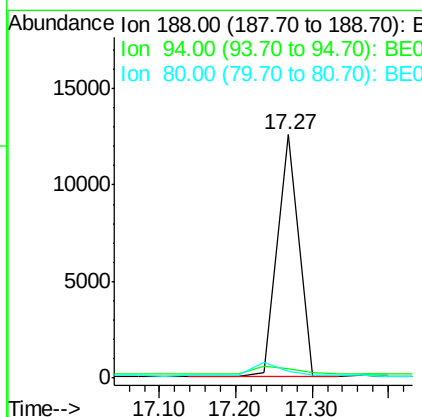
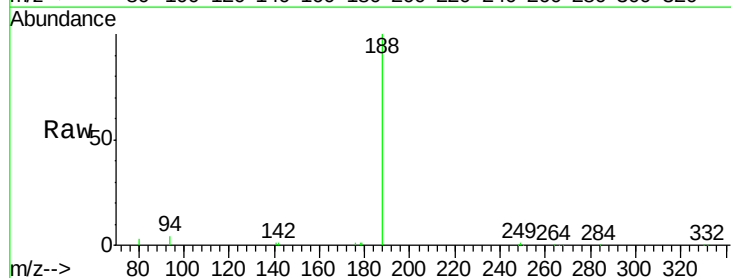
Instrument :
BNA_E
ClientSampleId :
KY038PS034-170613

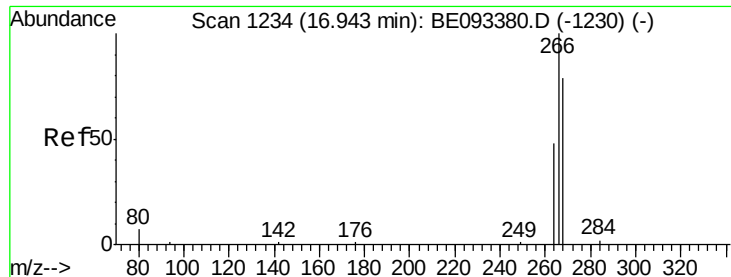
Tgt Ion:172 Resp: 9716
Ion Ratio Lower Upper
172 100
171 35.7 29.8 44.6
170 22.9 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093392.D
Acq: 1 Jul 2017 14:48

Tgt Ion:188 Resp: 25179
Ion Ratio Lower Upper
188 100
94 4.0 11.3 16.9#
80 2.8 11.7 17.5#





#22

Pentachlorophenol

Concen: 0.04 ng

RT: 16.91 min Scan# 1233

Delta R.T. -0.03 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170613

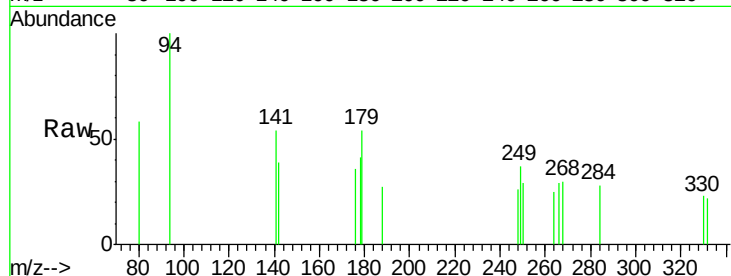
Tgt Ion:266 Resp: 25

Ion Ratio Lower Upper

266 100

264 86.7 58.2 87.2

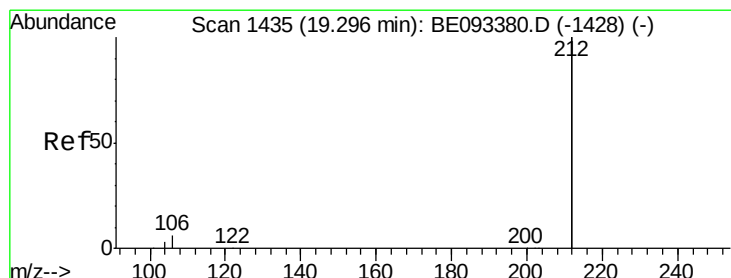
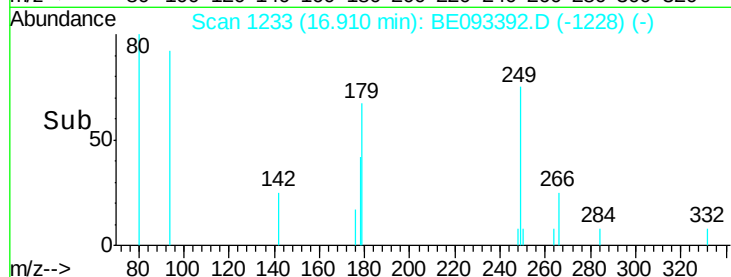
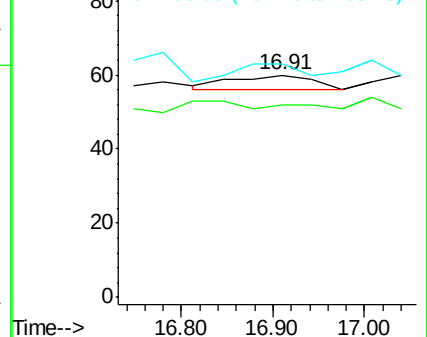
268 105.0 71.9 107.9



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



#25

Fluoranthene-d10

Concen: 0.36 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

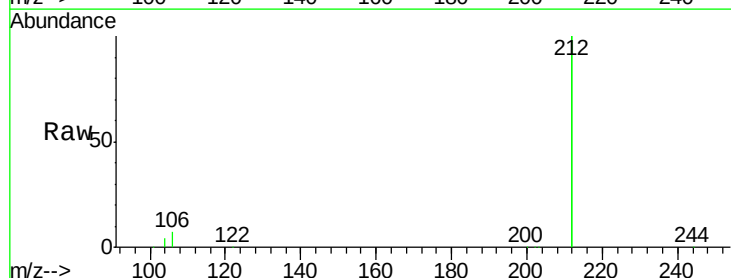
Tgt Ion:212 Resp: 82658

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

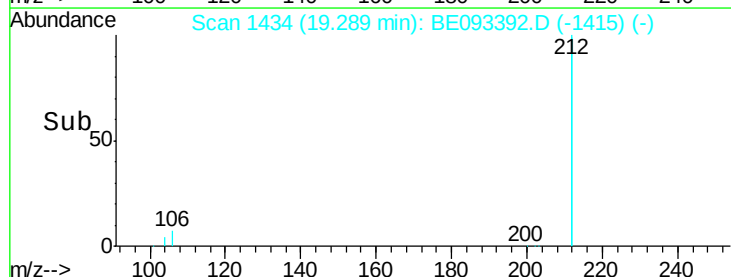
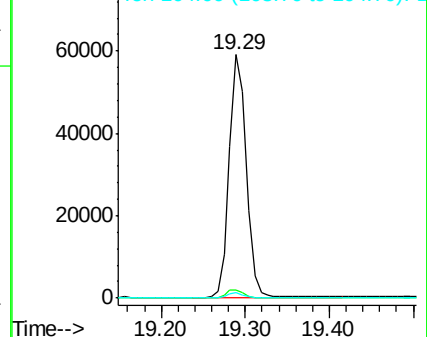
104 2.0 1.6 2.4

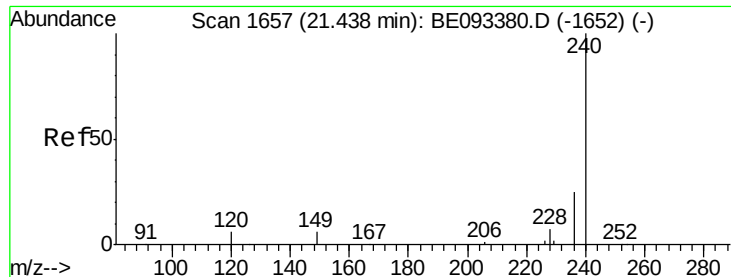


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170613

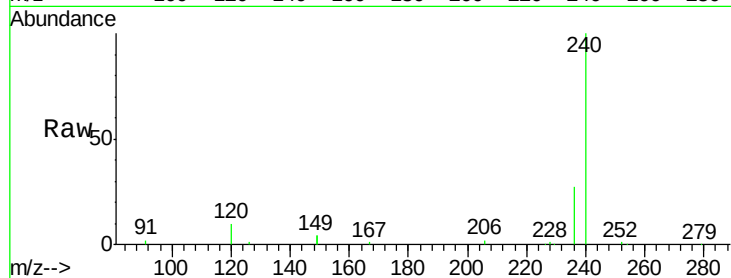
Tgt Ion:240 Resp: 34116

Ion Ratio Lower Upper

240 100

120 9.8 4.6 7.0#

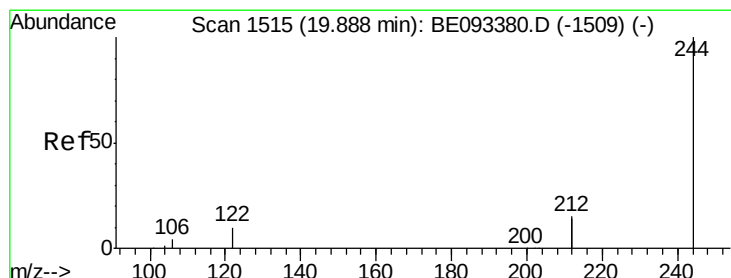
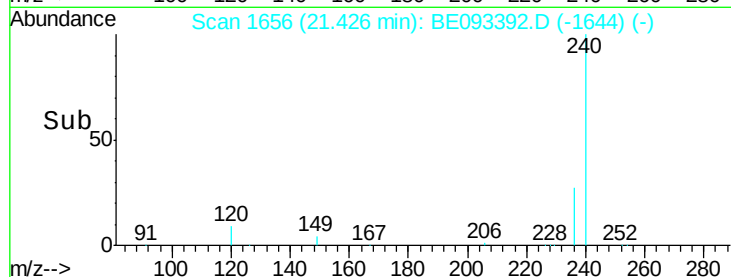
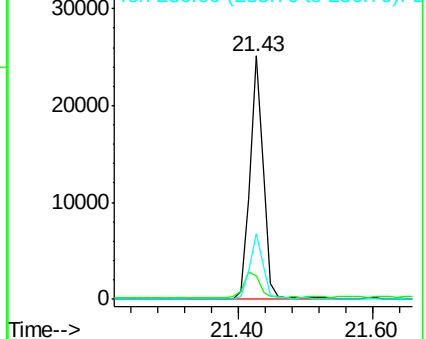
236 26.8 20.8 31.2



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: 0.31 ng

RT: 19.88 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE093392.D

Acq: 1 Jul 2017 14:48

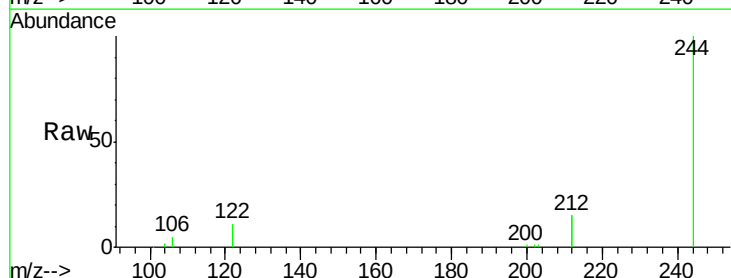
Tgt Ion:244 Resp: 19605

Ion Ratio Lower Upper

244 100

212 30.1 10.6 16.0#

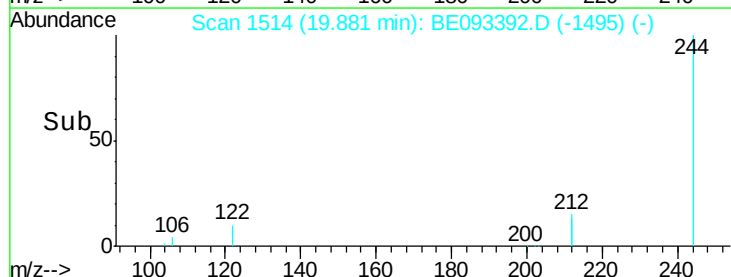
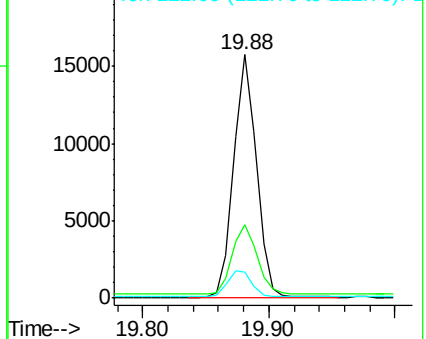
122 10.7 15.4 23.0#

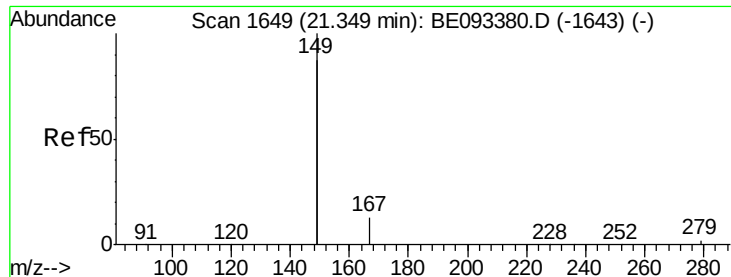


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

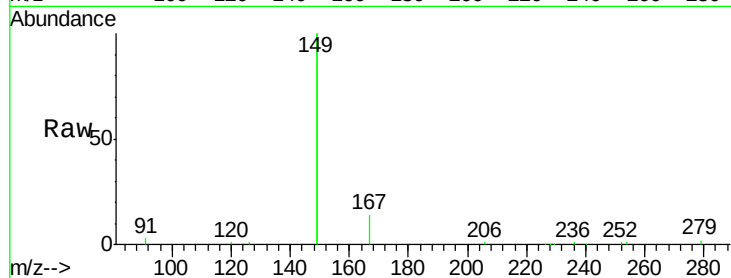




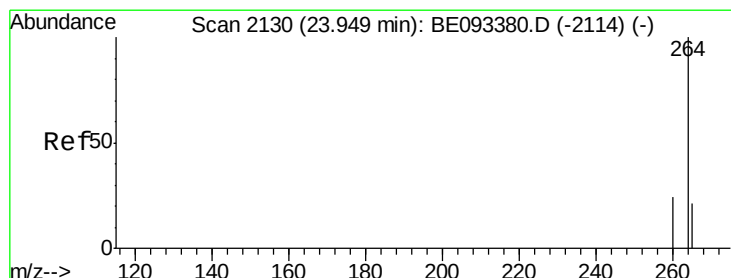
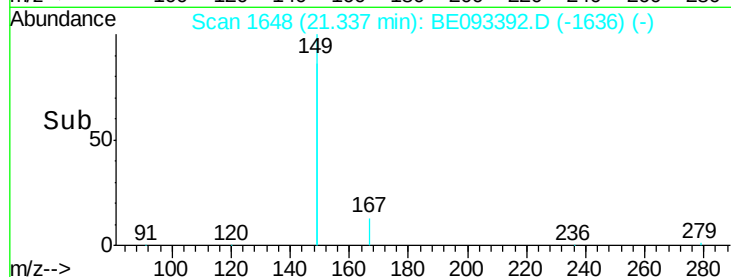
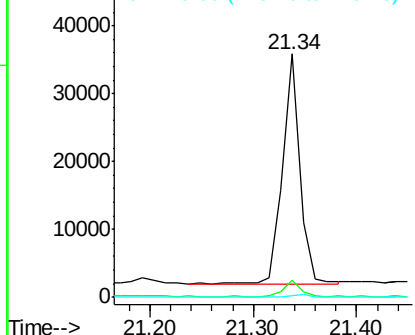
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.34 min Scan# 1648
 Delta R.T. -0.01 min
 Lab File: BE093392.D
 Acq: 1 Jul 2017 14:48

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-170613

Tgt Ion:149 Resp: 39135
 Ion Ratio Lower Upper
 149 100
 167 6.8 20.1 30.1#
 279 1.2 2.2 3.4#

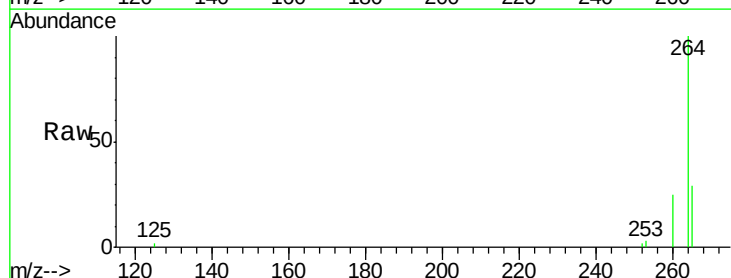


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.94 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BE093392.D
 Acq: 1 Jul 2017 14:48

Tgt Ion:264 Resp: 31764
 Ion Ratio Lower Upper
 264 100
 260 24.8 21.0 31.4
 265 29.1 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

