

Data File : BE093402.D
Acq On : 1 Jul 2017 21:01
Operator : SJ/JU
Sample : I3984-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RB01-20170628

Quant Time: Jul 03 05:12:52 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	7.95	152	2750	0.40	ng	0.00
7) Naphthalene-d8	10.72	136	12883	0.40	ng	-0.02
13) Acenaphthene-d10	14.54	164	7305	0.40	ng	-0.02
19) Phenanthrene-d10	17.27	188	29267	0.40	ng	0.00
27) Chrysene-d12	21.43	240	34131	0.40	ng	-0.01
34) Perylene-d12	23.94	264	31001	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	1592	0.19	ng	0.00
5) Phenol-d6	7.10	99	1496	0.12	ng	0.00
8) Nitrobenzene-d5	9.08	82	3813	0.50	ng	-0.02
11) 2-Methylnaphthalene-d10	12.31	152	7569	0.37	ng	0.00
14) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
15) 2-Fluorobiphenyl	13.18	172	12805	0.45	ng	0.00
25) Fluoranthene-d10	19.29	212	127476	0.47	ng	0.00
29) Terphenyl-d14	19.88	244	28099	0.44	ng	0.00

Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.75	42	230	0.18	ng	# 25
9) Naphthalene	10.77	128	8655	0.06	ng	# 75
20) 4-Bromophenyl-phenylether	16.45	248	29	0.11	ng	# 57
22) Pentachlorophenol	16.91	266	31	0.04	ng	# 81
23) Phenanthrene	17.30	178	2941	0.04	ng	97
24) Anthracene	17.30	178	2902	0.04	ng	97
32) Bis(2-ethylhexyl)phthalate	21.34	149	22561	0.16	ng	# 66

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

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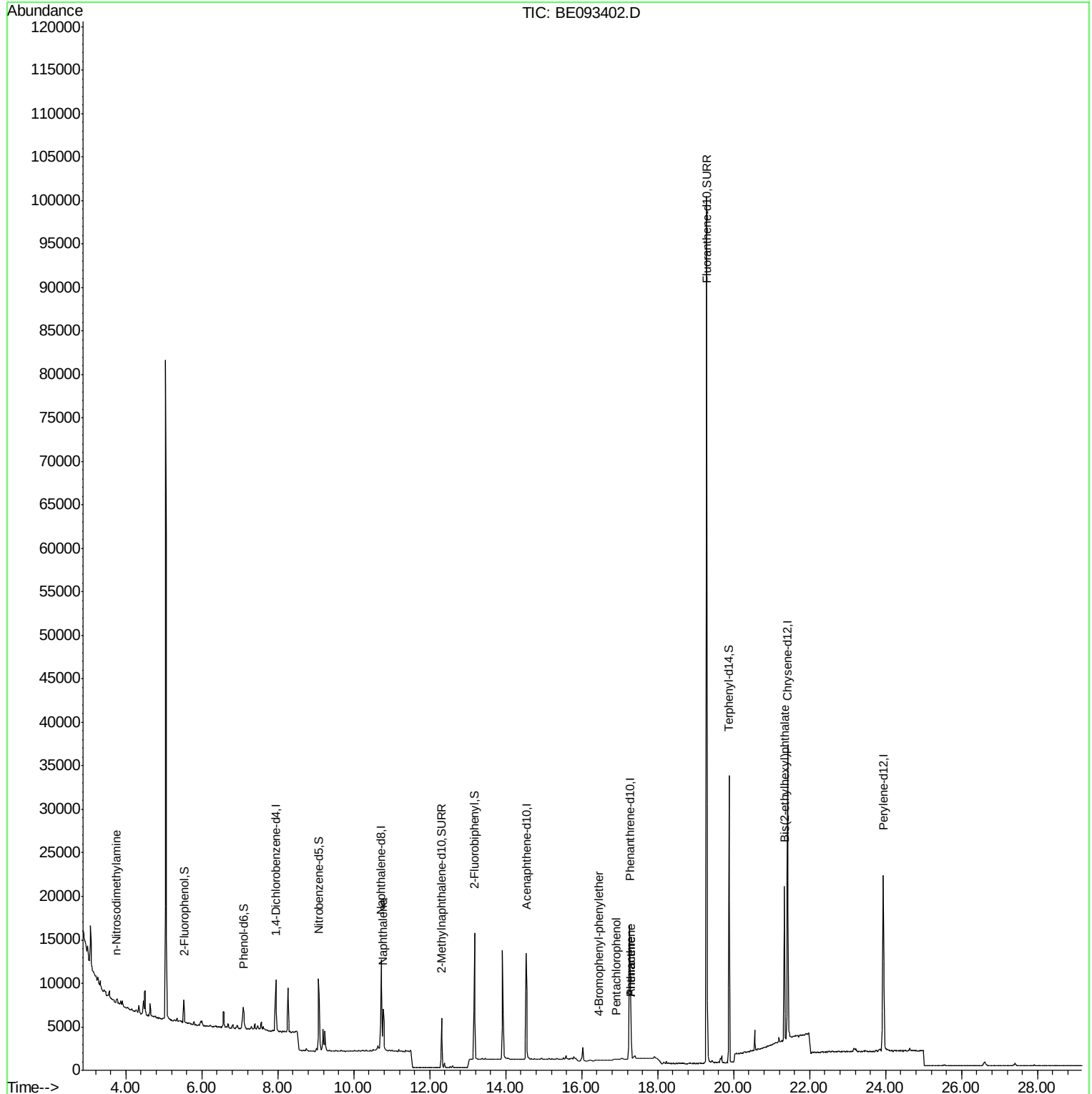
Quant Time: Jul 03 05:12:52 2017

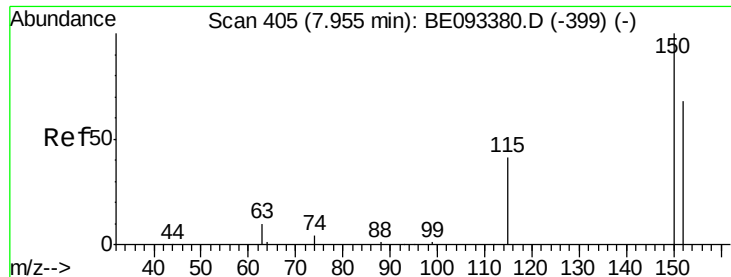
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070117.M

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.95 min Scan# 404

Delta R.T. -0.01 min

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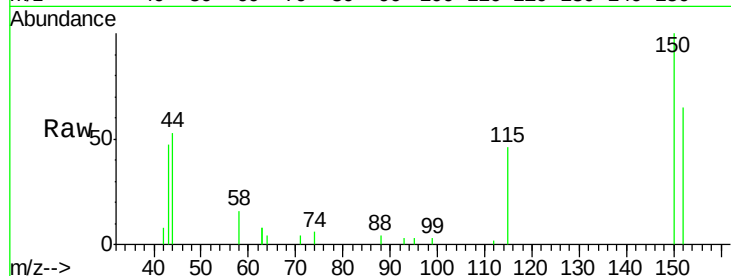
Tgt Ion:152 Resp: 2750

Ion Ratio Lower Upper

152 100

150 154.9 125.1 187.7

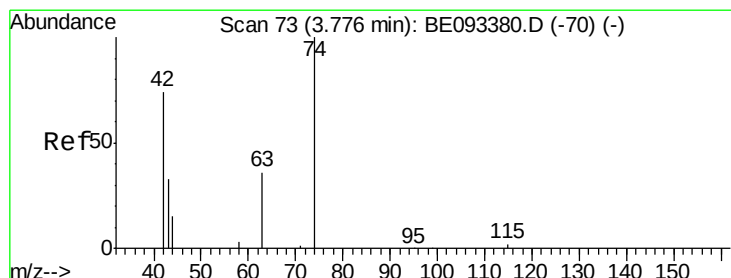
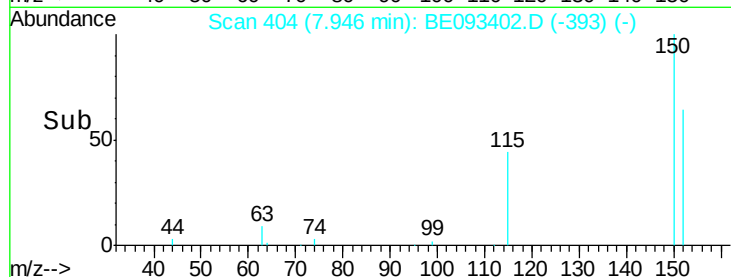
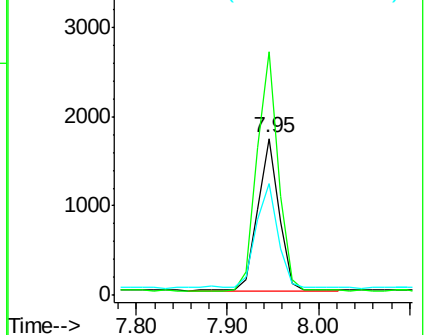
115 71.2 55.7 83.5



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



#3

n-Nitrosodimethylamine

Concen: 0.18 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.02 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

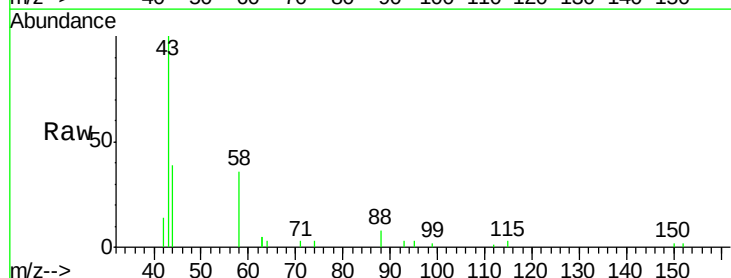
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

74 83.9 99.1 148.7#

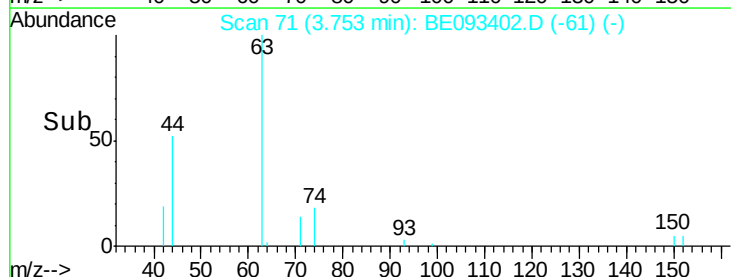
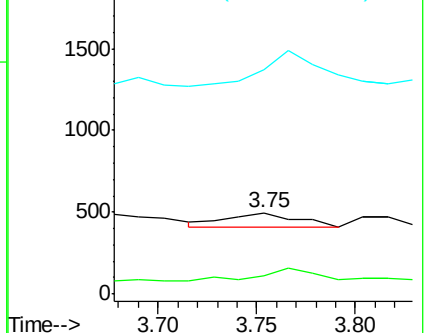
44 227.0 7.4 11.2#

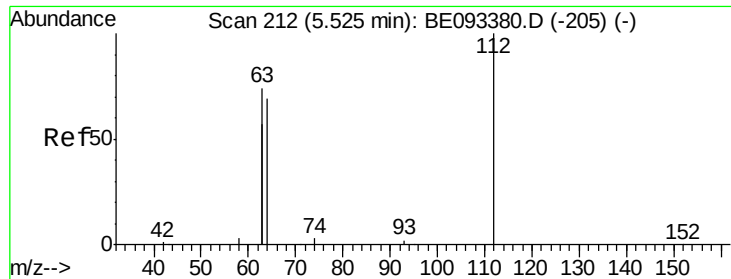


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.19 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

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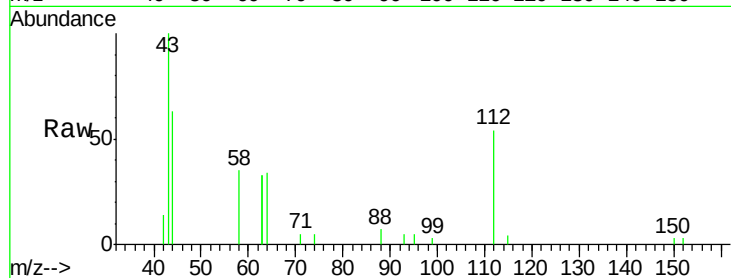
Tgt Ion: 112 Resp: 1592

Ion Ratio Lower Upper

112 100

64 72.0 56.4 84.6

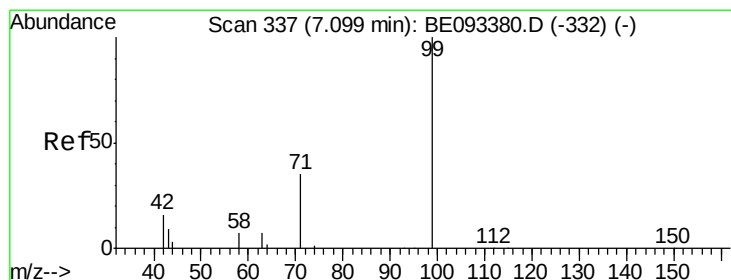
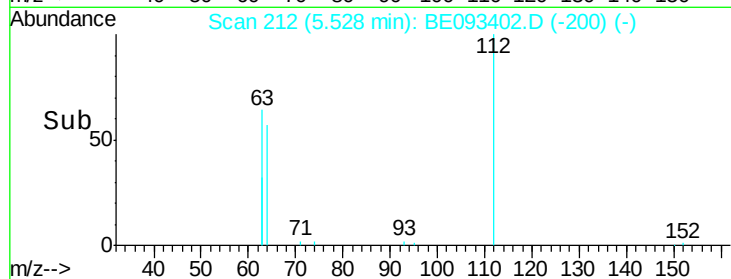
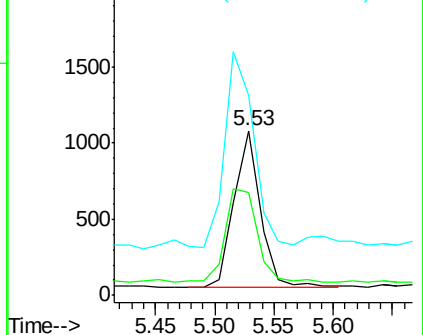
63 144.9 29.3 43.9#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.12 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

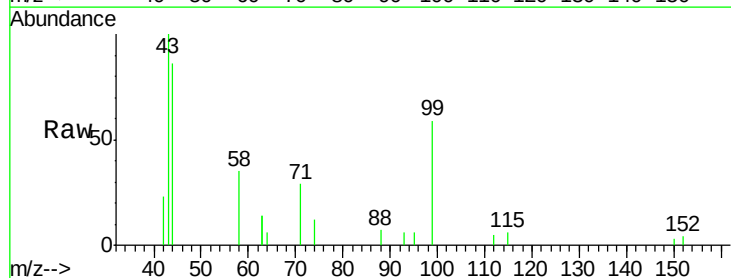
Tgt Ion: 99 Resp: 1496

Ion Ratio Lower Upper

99 100

42 22.5 0.0 0.0#

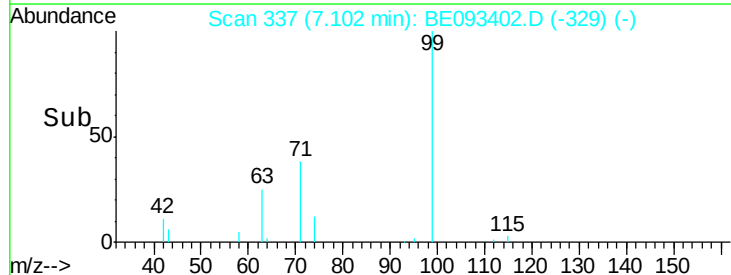
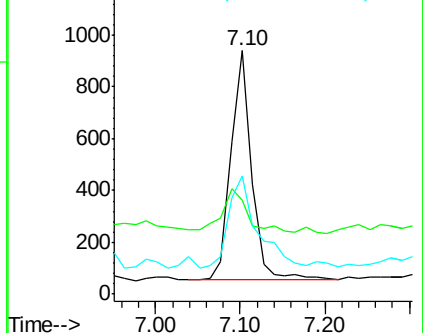
71 56.2 0.0 0.0#

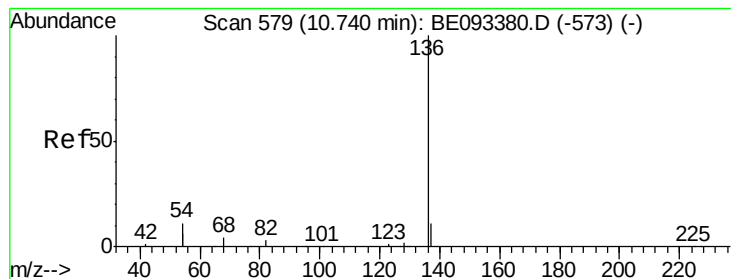


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.72 min Scan# 578

Delta R.T. -0.02 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:136 Resp: 12883

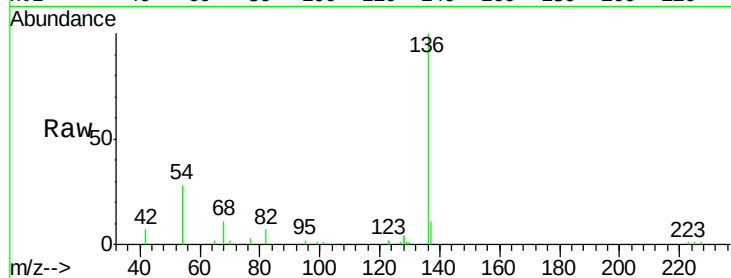
Ion Ratio Lower Upper

136 100

137 10.8 9.8 14.8

54 56.5 10.3 15.5#

68 10.5 9.0 13.4

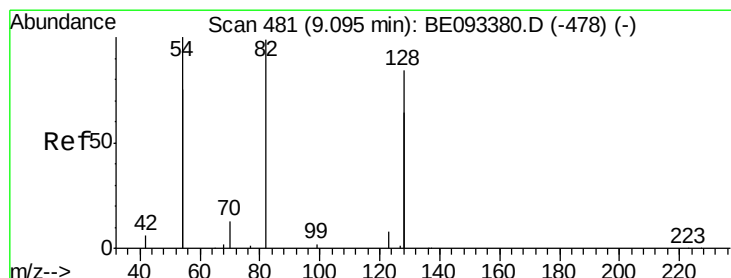
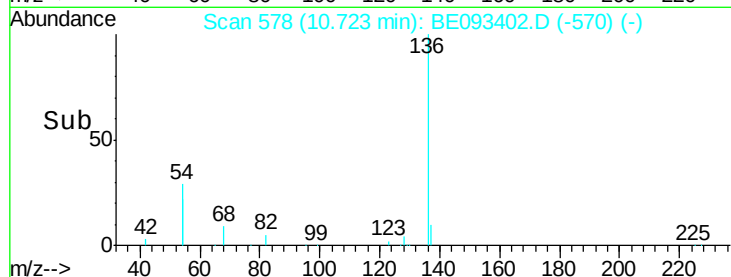
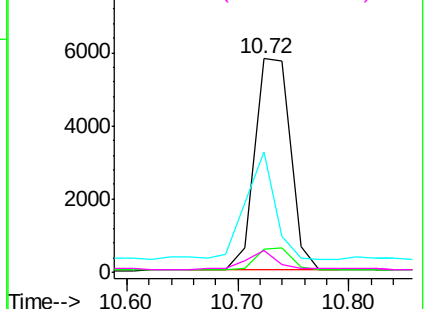


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.50 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.02 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

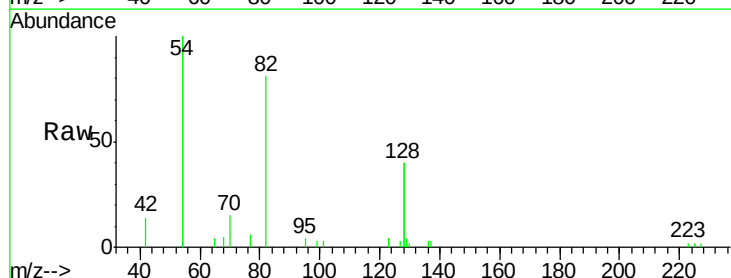
Tgt Ion: 82 Resp: 3813

Ion Ratio Lower Upper

82 100

128 99.7 17.0 25.4#

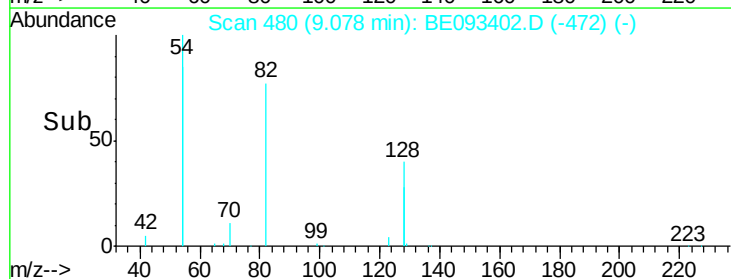
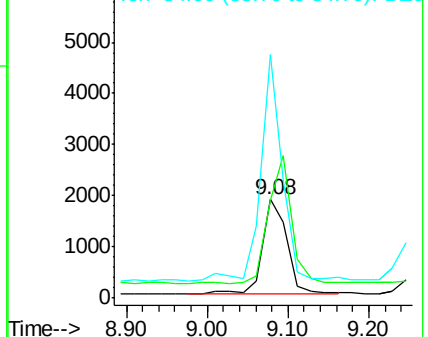
54 247.4 53.8 80.6#

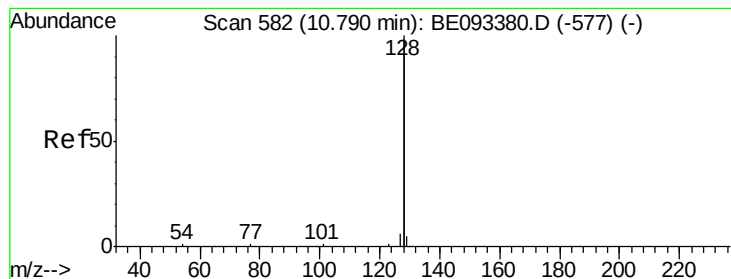


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.06 ng

RT: 10.77 min Scan# 581

Delta R.T. -0.02 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

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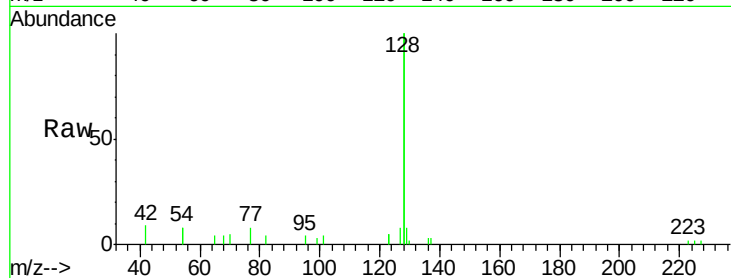
Tgt Ion:128 Resp: 8655

Ion Ratio Lower Upper

128 100

129 3.9 11.4 17.0#

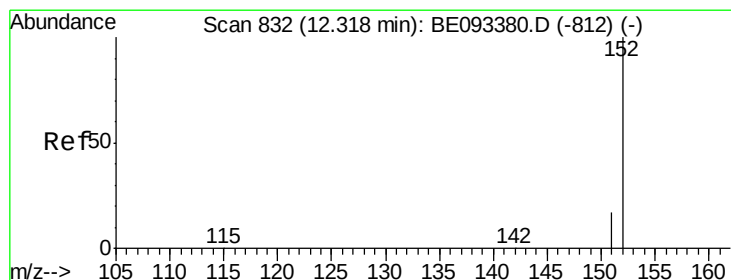
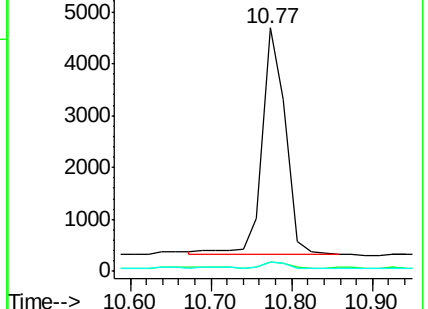
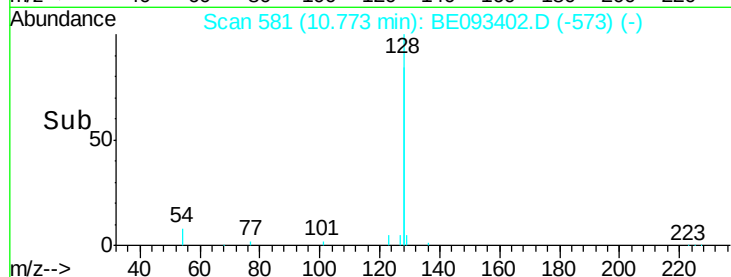
127 4.0 11.2 16.8#



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: 0.37 ng

RT: 12.31 min Scan# 830

Delta R.T. -0.01 min

Lab File: BE093402.D

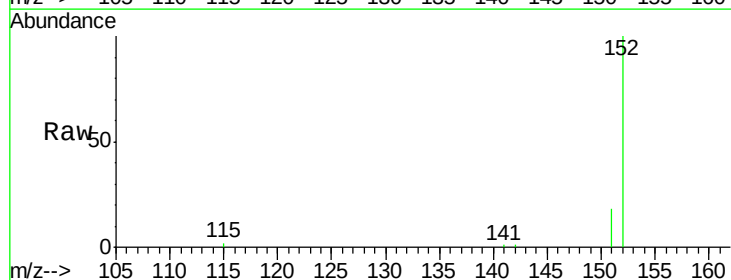
Acq: 1 Jul 2017 21:01

Tgt Ion:152 Resp: 7569

Ion Ratio Lower Upper

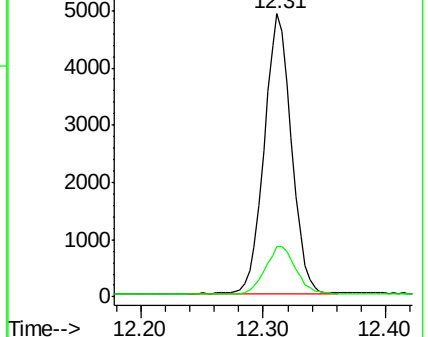
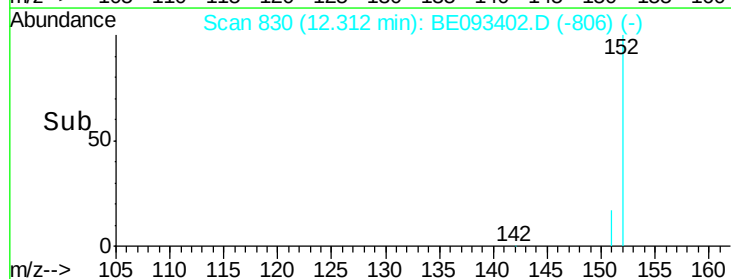
152 100

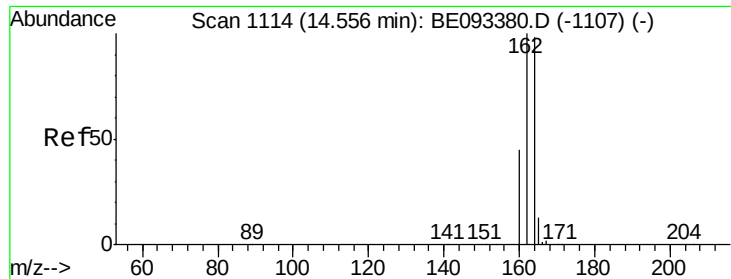
151 18.9 15.1 22.7



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# 1112

Delta R.T. -0.02 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

Instrument :

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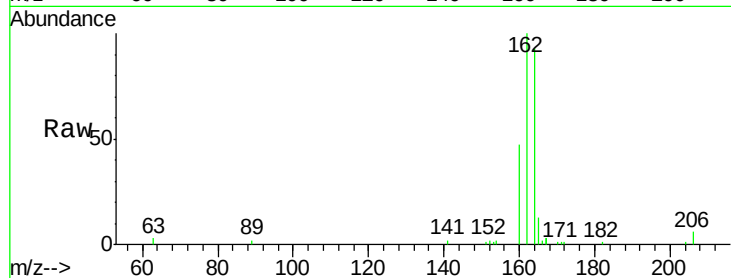
Tgt Ion: 164 Resp: 7305

Ion Ratio Lower Upper

164 100

162 107.9 84.6 127.0

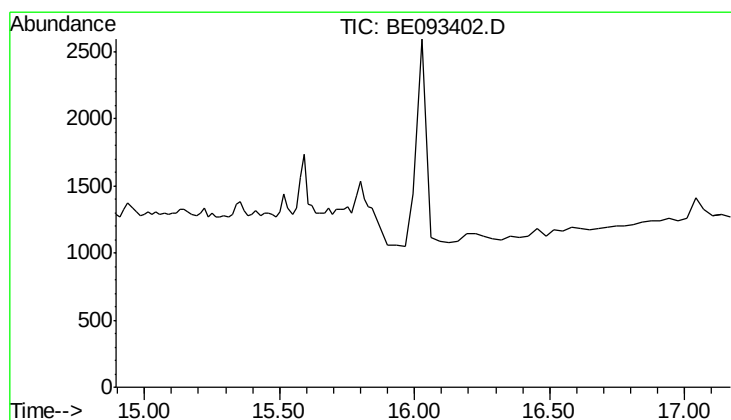
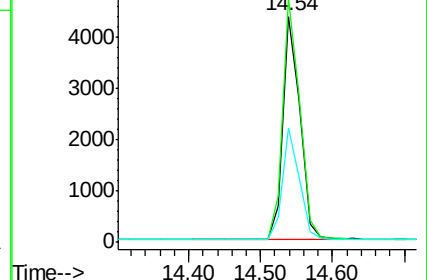
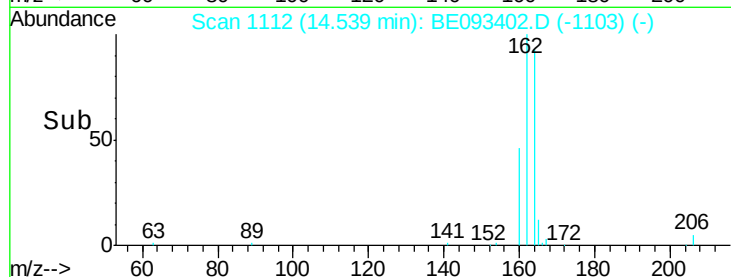
160 50.7 41.8 62.6



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: BE093402.D

Acq: 1 Jul 2017 21:01

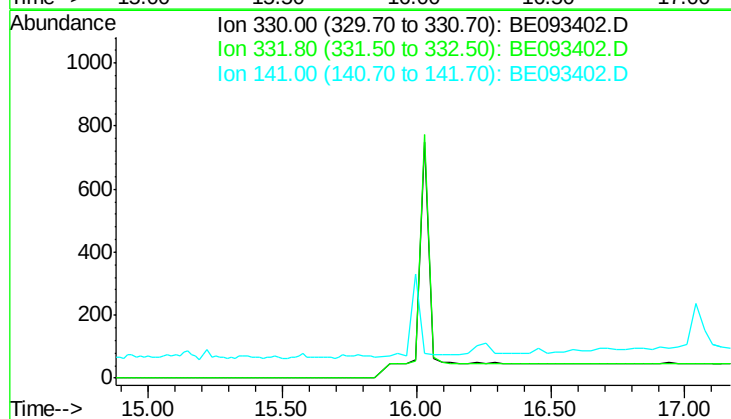
Tgt Ion: 330

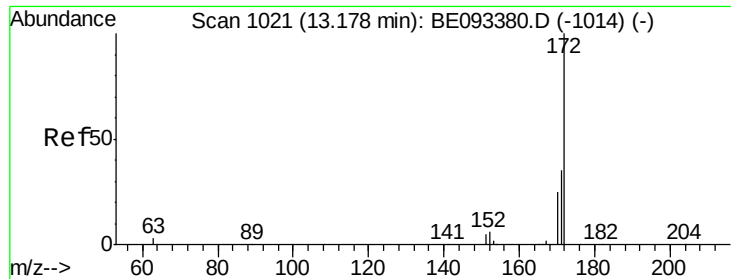
Sig Exp Ratio

330 100

332 97.1

141 70.3

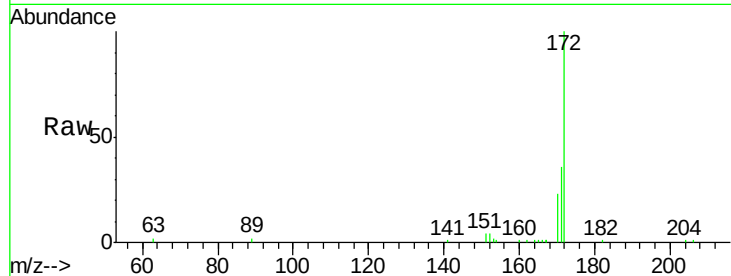




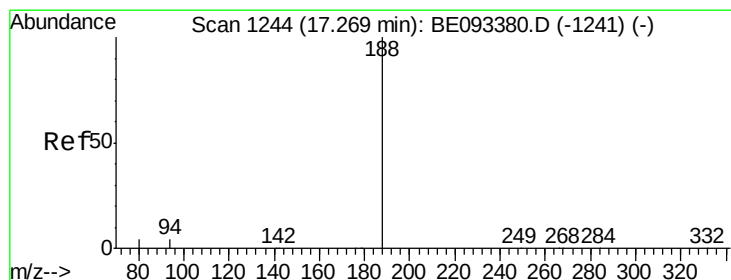
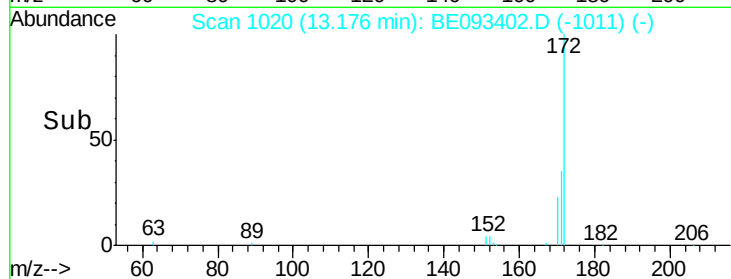
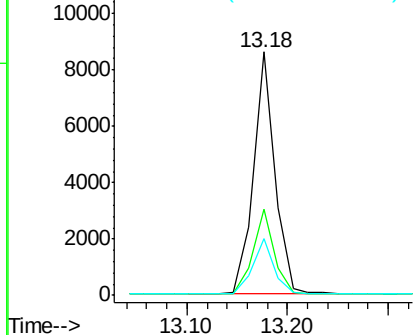
#15
2-Fluorobiphenyl
Concen: 0.45 ng
RT: 13.18 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE093402.D
Acq: 1 Jul 2017 21:01

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Tgt Ion:172 Resp: 12805
Ion Ratio Lower Upper
172 100
171 35.6 29.8 44.6
170 23.3 20.7 31.1

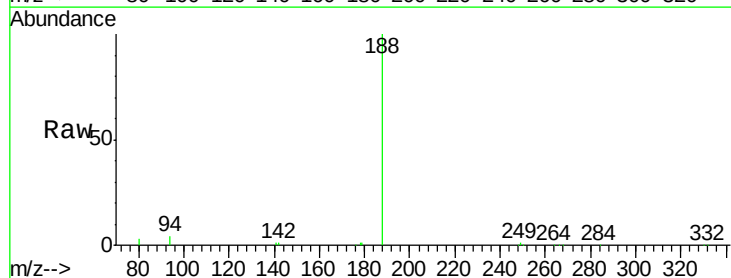


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

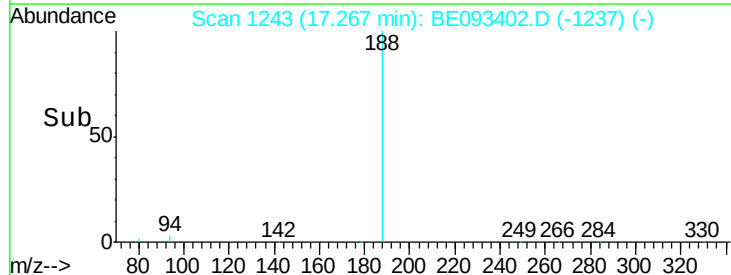
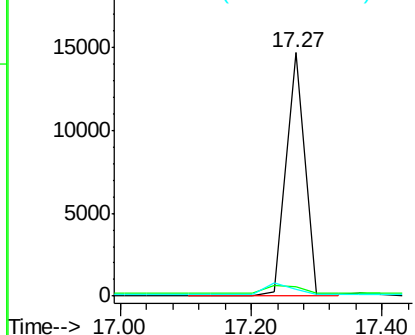


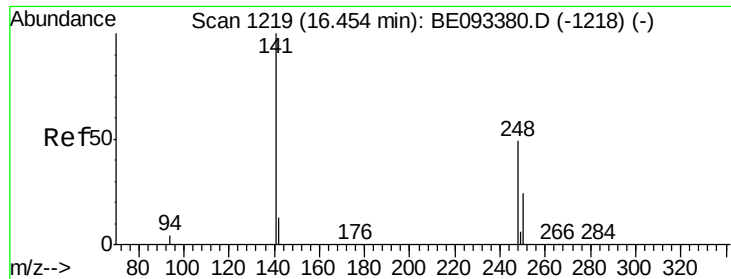
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093402.D
Acq: 1 Jul 2017 21:01

Tgt Ion:188 Resp: 29267
Ion Ratio Lower Upper
188 100
94 3.8 11.3 16.9#
80 2.8 11.7 17.5#



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

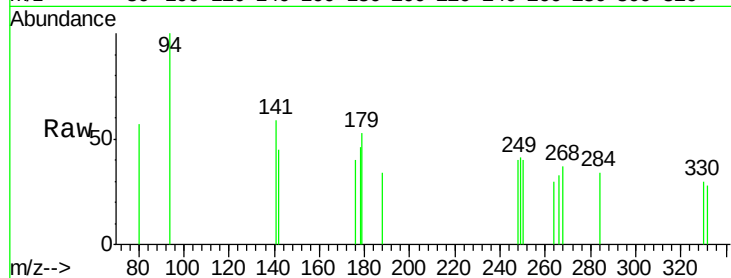




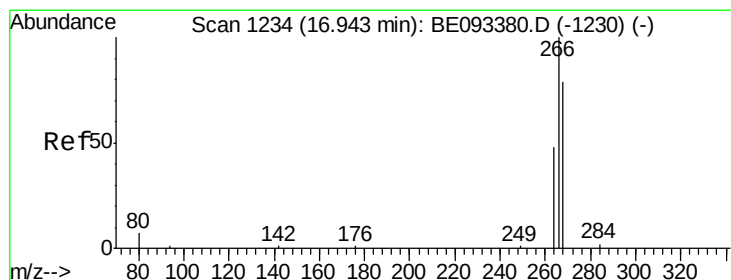
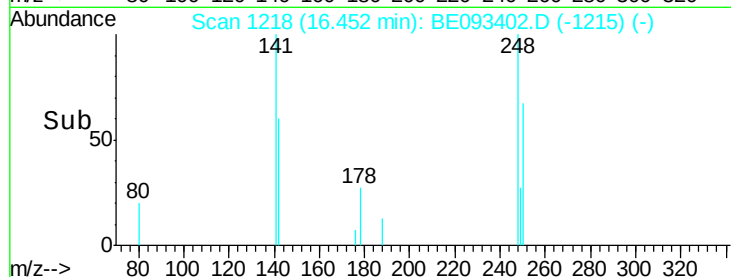
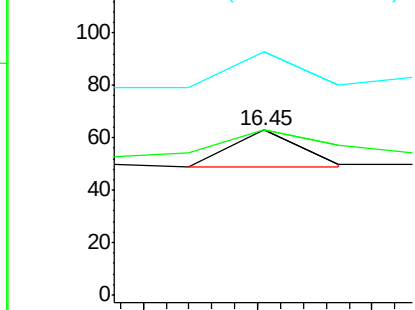
#20
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.45 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BE093402.D
Acq: 1 Jul 2017 21:01

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion:248 Resp: 29
Ion Ratio Lower Upper
248 100
250 100.0 40.8 61.2#
141 147.6 161.6 242.4#

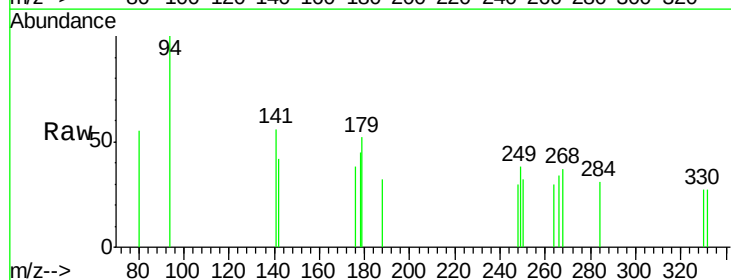


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

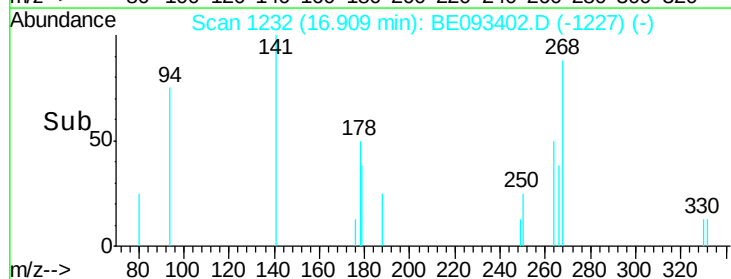
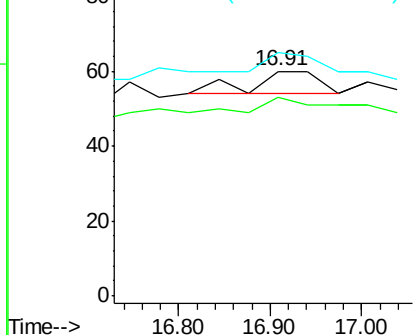


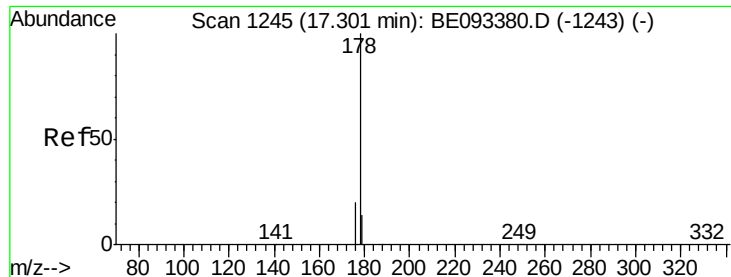
#22
Pentachlorophenol
Concen: 0.04 ng
RT: 16.91 min Scan# 1232
Delta R.T. -0.03 min
Lab File: BE093402.D
Acq: 1 Jul 2017 21:01

Tgt Ion:266 Resp: 31
Ion Ratio Lower Upper
266 100
264 88.3 58.2 87.2#
268 108.3 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





#23

Phenanthrene

Concen: 0.04 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

Instrument :

BNA_E

ClientSampleId :

RB01-20170628

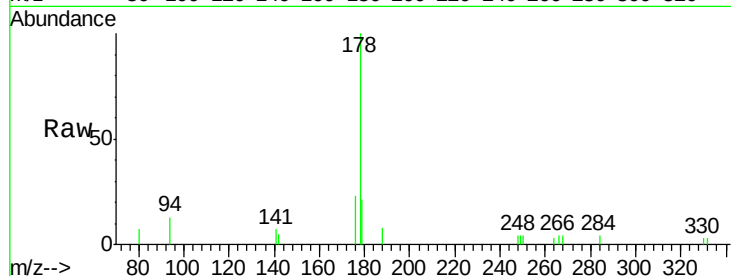
Tgt Ion:178 Resp: 2941

Ion Ratio Lower Upper

178 100

176 20.3 15.0 22.4

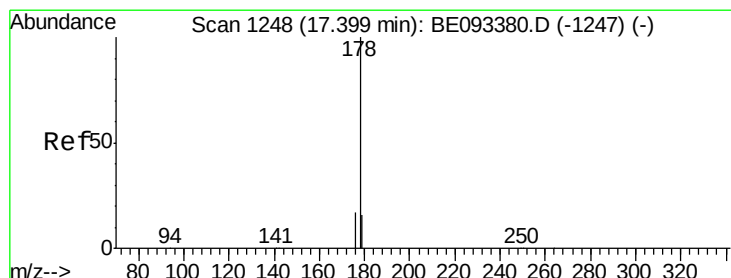
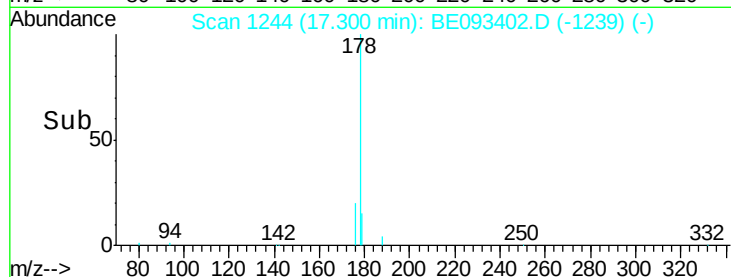
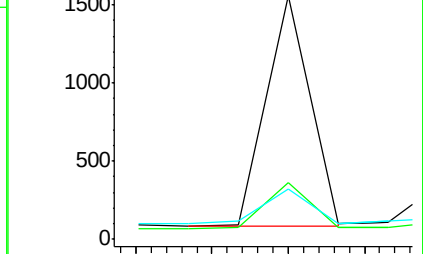
179 16.6 12.7 19.1



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



#24

Anthracene

Concen: 0.04 ng

RT: 17.30 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

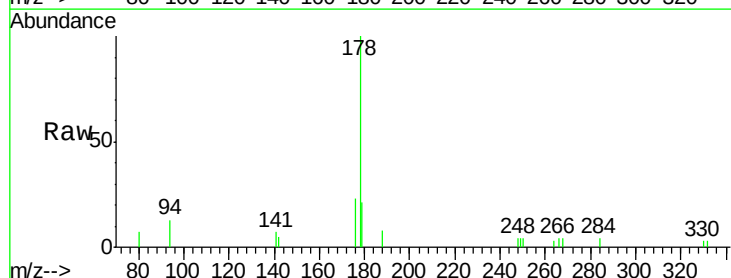
Tgt Ion:178 Resp: 2902

Ion Ratio Lower Upper

178 100

176 19.6 14.6 22.0

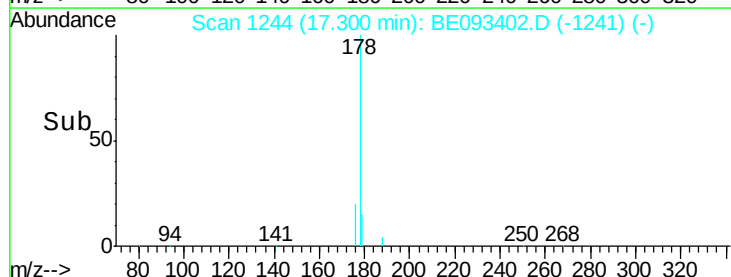
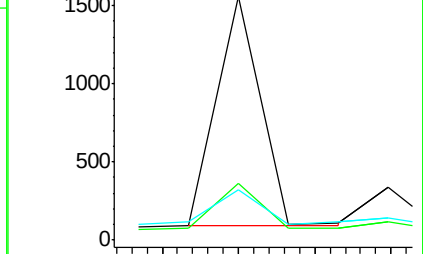
179 13.9 12.0 18.0

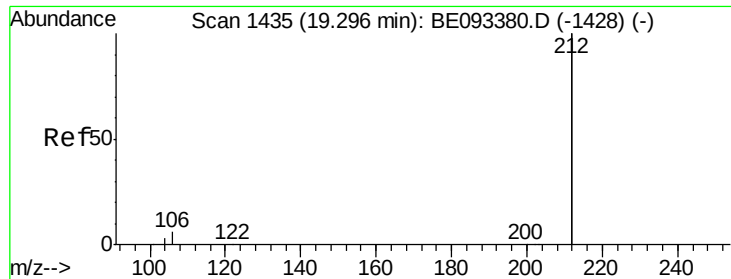


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

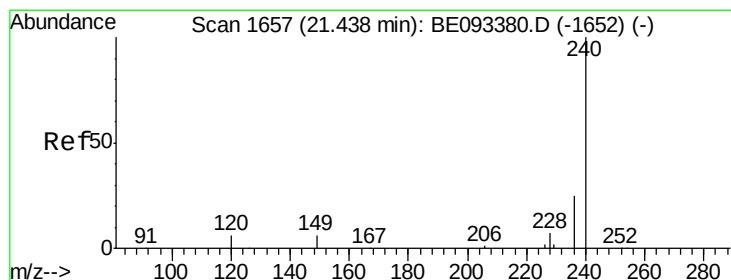
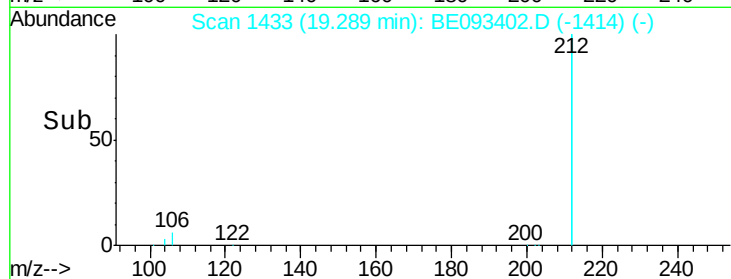
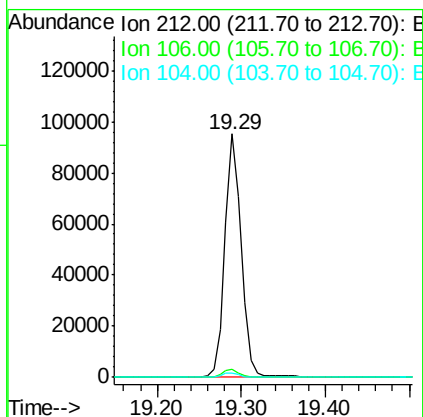
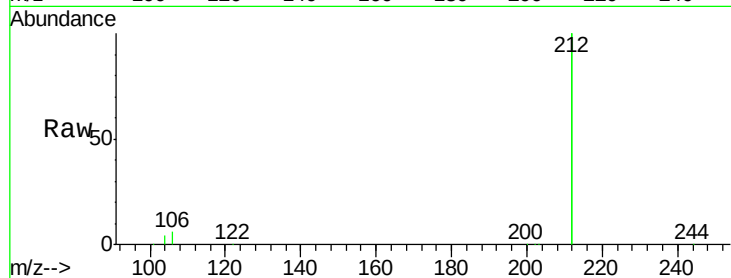




#25
 Fluoranthene-d10
 Concen: 0.47 ng
 RT: 19.29 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BE093402.D
 Acq: 1 Jul 2017 21:01

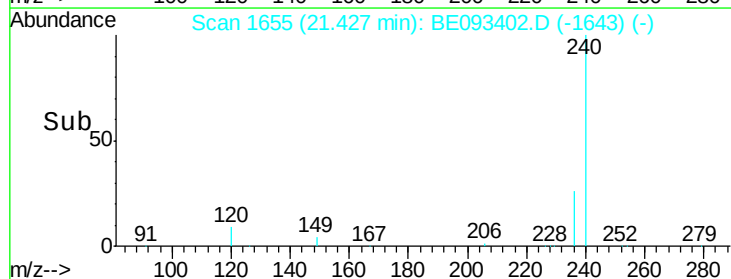
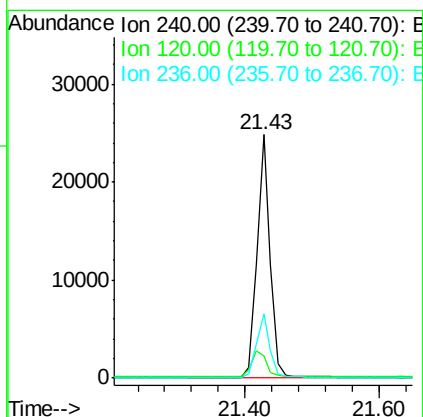
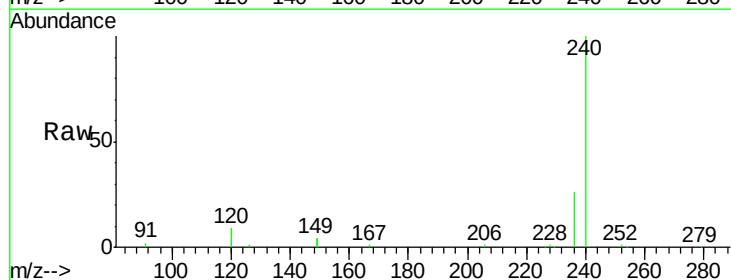
Instrument :
 BNA_E
 ClientSampleId :
 RB01-20170628

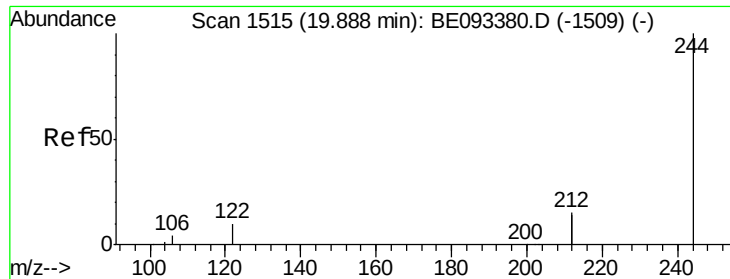
Tgt Ion:212 Resp: 127476
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.4 3.6
 104 2.0 1.6 2.4



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.43 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093402.D
 Acq: 1 Jul 2017 21:01

Tgt Ion:240 Resp: 34131
 Ion Ratio Lower Upper
 240 100
 120 9.4 4.6 7.0#
 236 26.4 20.8 31.2





#29

Terphenyl-d14

Concen: 0.44 ng

RT: 19.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

Instrument :

BNA_E

ClientSampleId :

RB01-20170628

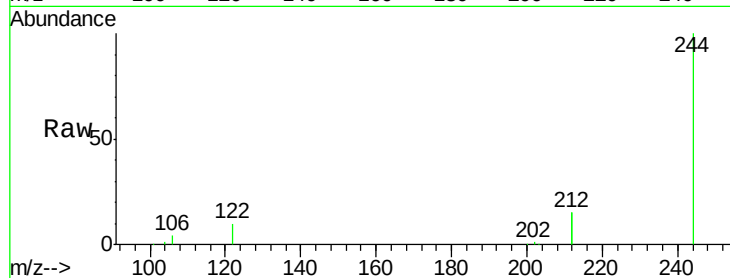
Tgt Ion:244 Resp: 28099

Ion Ratio Lower Upper

244 100

212 30.4 10.6 16.0#

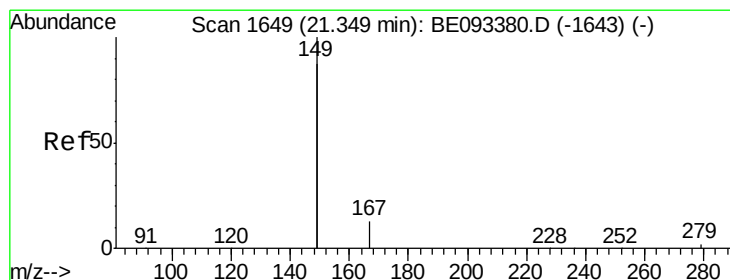
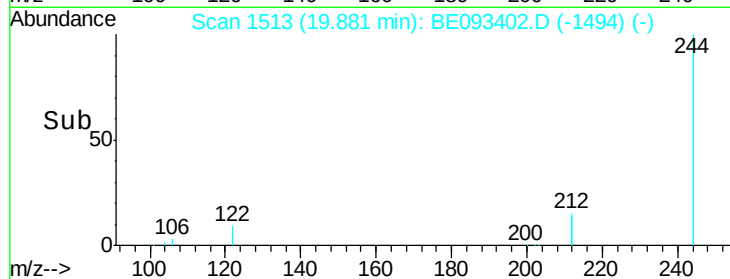
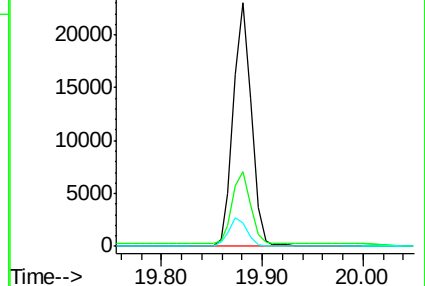
122 9.8 15.4 23.0#



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: 0.16 ng

RT: 21.34 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

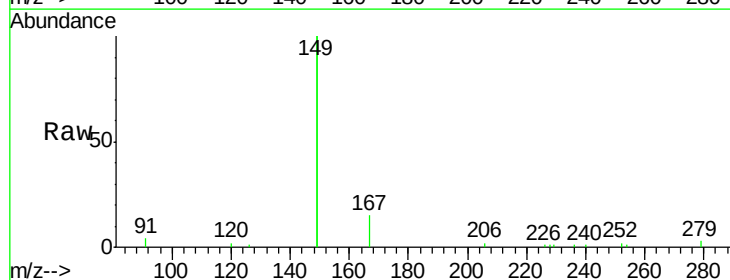
Tgt Ion:149 Resp: 22561

Ion Ratio Lower Upper

149 100

167 6.6 20.1 30.1#

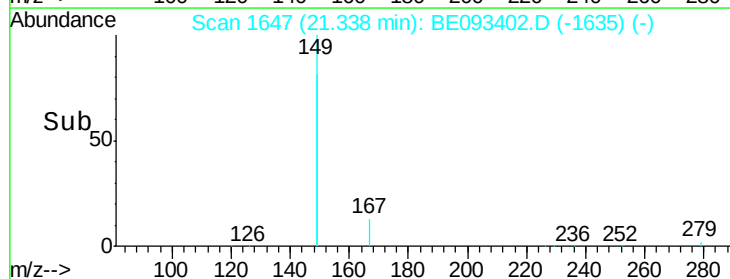
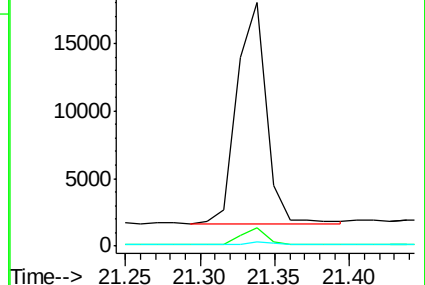
279 1.2 2.2 3.4#

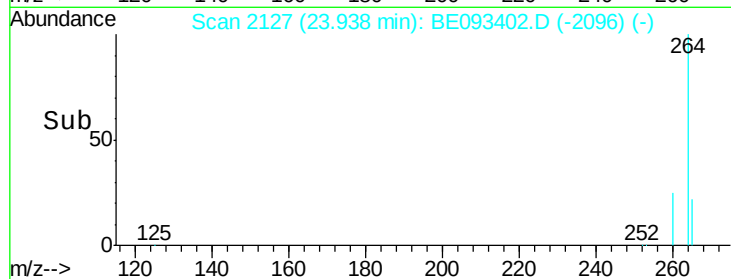
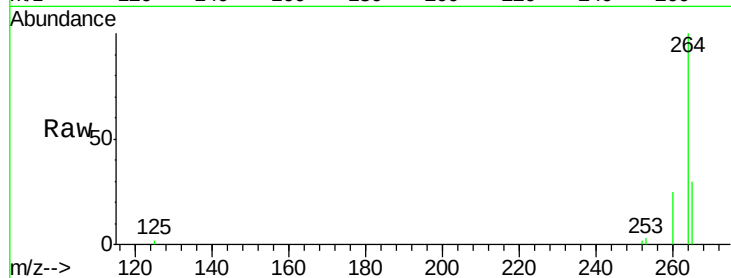
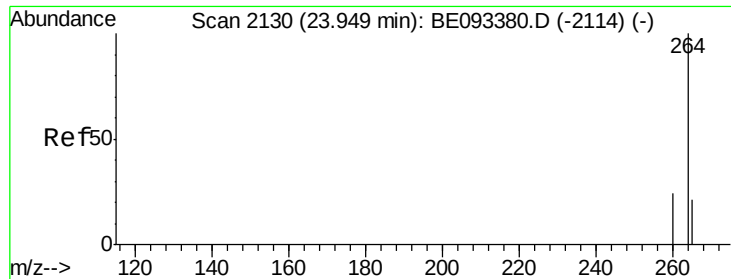


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2127

Delta R.T. -0.01 min

Lab File: BE093402.D

Acq: 1 Jul 2017 21:01

Instrument :

BNA_E

ClientSampleId :

RB01-20170628

Tgt Ion: 264 Resp: 31001

Ion Ratio Lower Upper

264 100

260 24.9 21.0 31.4

265 30.0 24.6 36.8

