

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE071417\
 Data File : BE093470.D
 Acq On : 14 Jul 2017 14:09
 Operator : SJ/JU
 Sample : I4153-05
 Misc : L00 0.2 PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF-MW-54BR-20170710

Quant Time: Jul 17 01:27:35 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	7.93	152	4383	0.40	ng	-0.01
7) Naphthalene-d8	10.72	136	22704	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	15400	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	25660	0.40	ng	0.00
27) Chrysene-d12	21.42	240	40615	0.40	ng	-0.01
34) Perylene-d12	23.93	264	34272	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	2227	0.17	ng	0.00
5) Phenol-d6	7.09	99	2240	0.11	ng	-0.01
8) Nitrobenzene-d5	9.08	82	5679	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	13530	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	1254	0.26	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	25351	0.42	ng	-0.01
25) Fluoranthene-d10	19.28	212	168615	0.55	ng	0.00
29) Terphenyl-d14	19.87	244	37013	0.51	ng	0.00

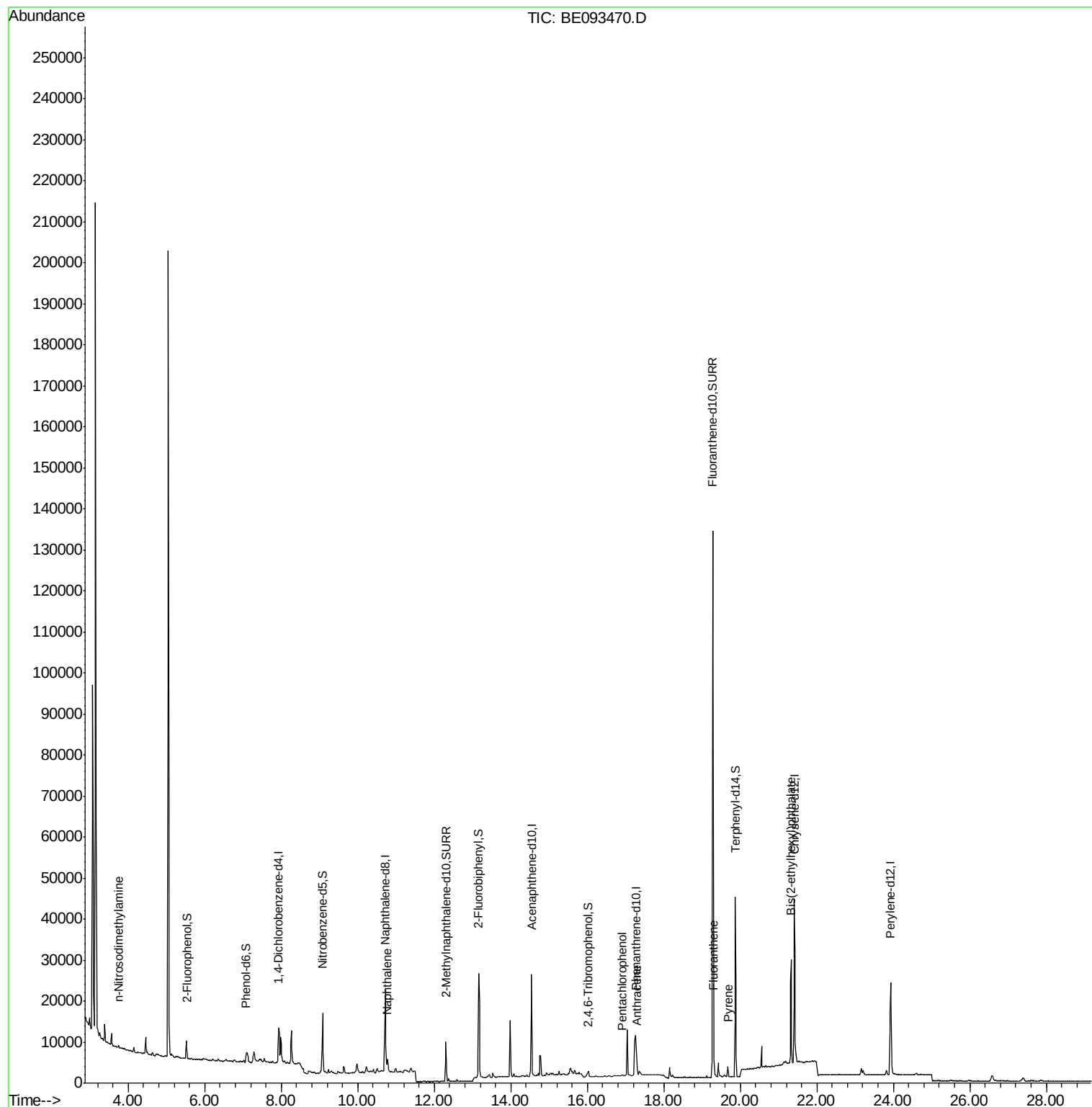
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.75	42	57	0.133	ng	# 1
9) Naphthalene	10.77	128	4810	0.020	ng	# 78
22) Pentachlorophenol	16.91	266	211	0.059	ng	# 89
24) Anthracene	17.30	178	1719	0.030	ng	# 92
26) Fluoranthene	19.31	202	2332	0.027	ng	# 85
28) Pyrene	19.67	202	2345	0.021	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.33	149	32391	0.205	ng	# 66

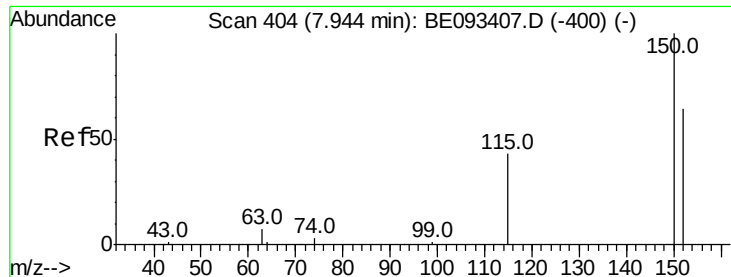
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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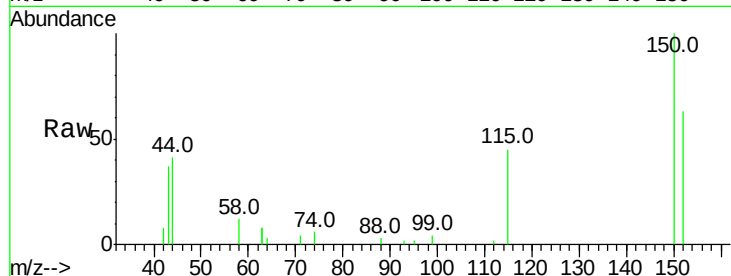


#1

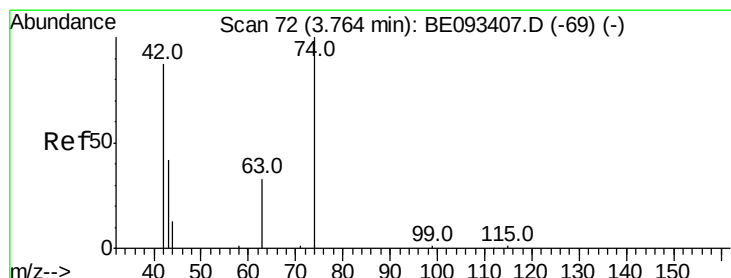
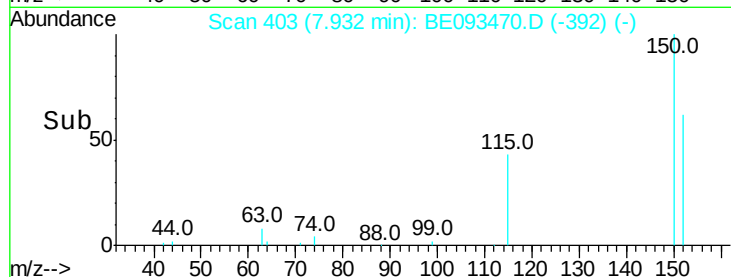
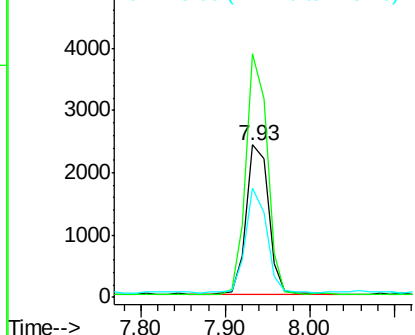
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. -0.01 min
Lab File: BE093470.D
Acq: 14 Jul 2017 14:09

Instrument :
BNA_E
ClientSampleId :
LF-MW-54BR-20170710

Tot Ion:152 Resp: 4383
Ion Ratio Lower Upper
152 100
150 159.6 125.1 187.7
115 71.2 55.7 83.5



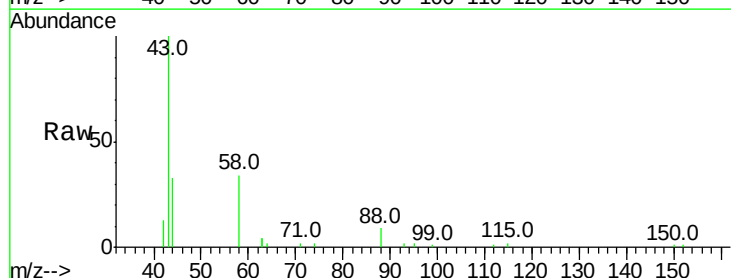
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



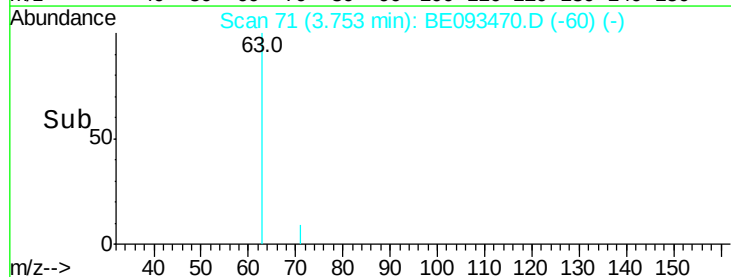
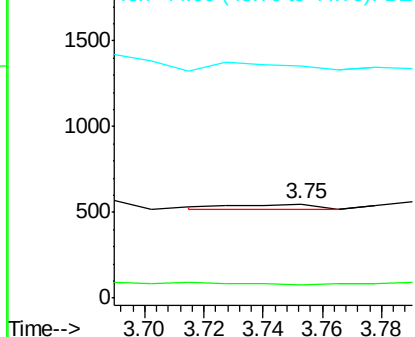
#3

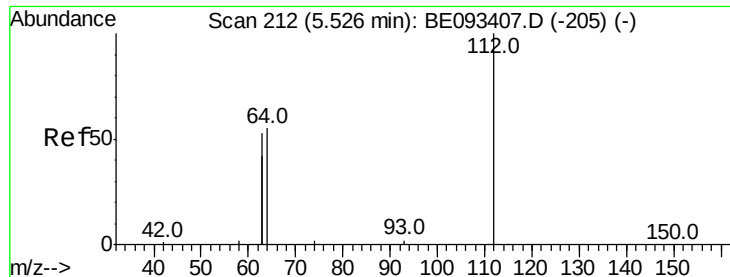
n-Nitrosodimethylamine
Concen: 0.133 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE093470.D
Acq: 14 Jul 2017 14:09

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
74 0.0 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: 0.168 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

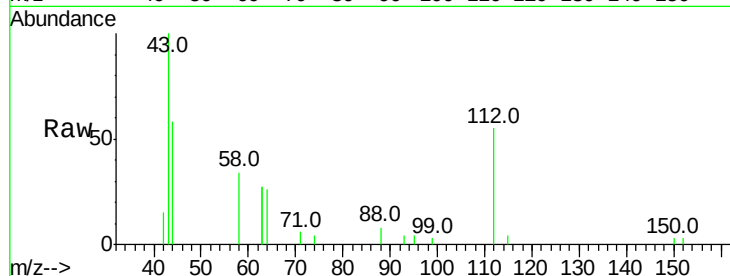
Tot Ion:112 Resp: 2227

Ion Ratio Lower Upper

112 100

64 74.1 56.4 84.6

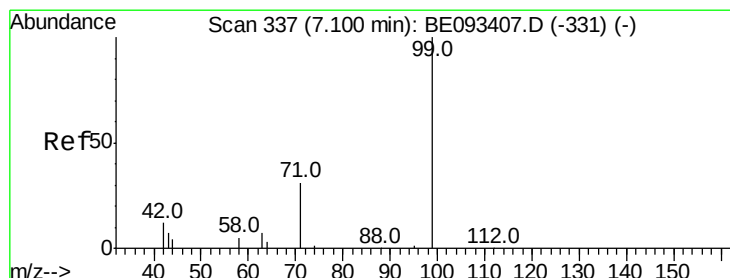
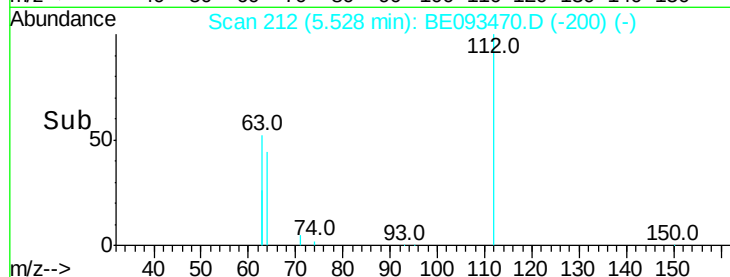
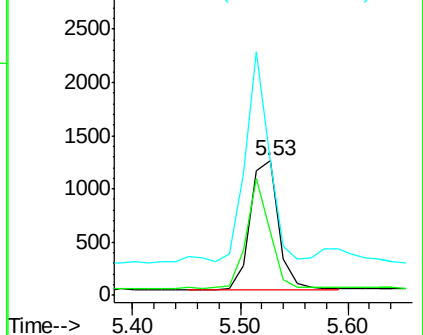
63 142.1 29.3 43.9#



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: 0.115 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

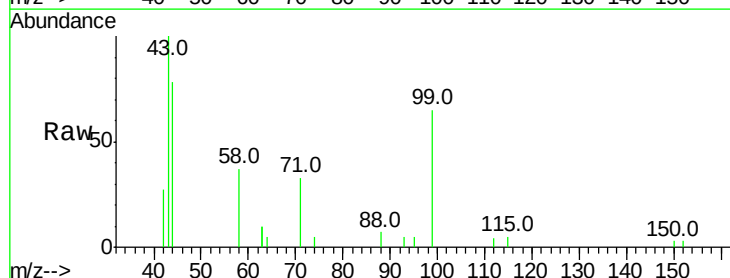
Tgt Ion: 99 Resp: 2240

Ion Ratio Lower Upper

99 100

42 23.2 0.0 0.0#

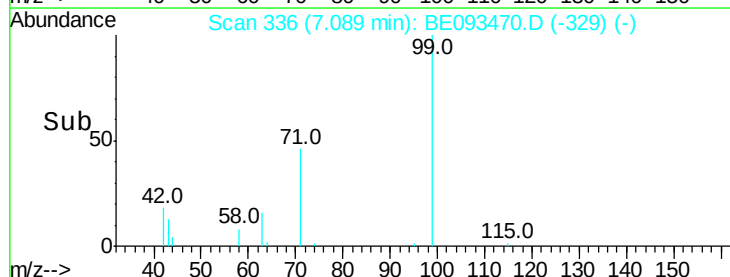
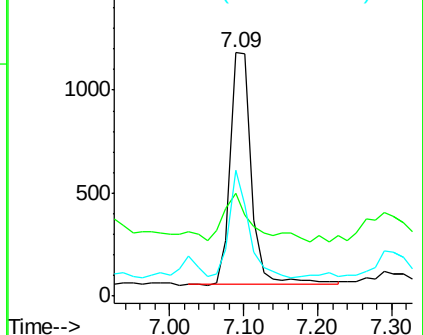
71 41.3 0.0 0.0#

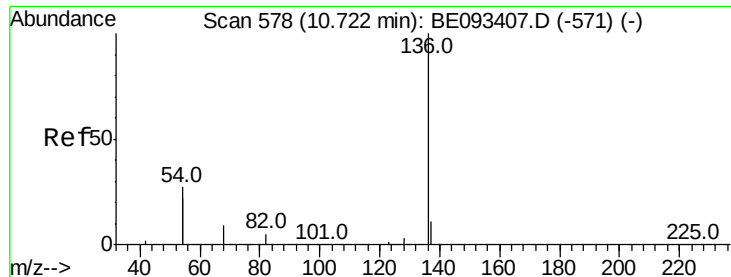


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

Tot Ion:136 Resp: 22704

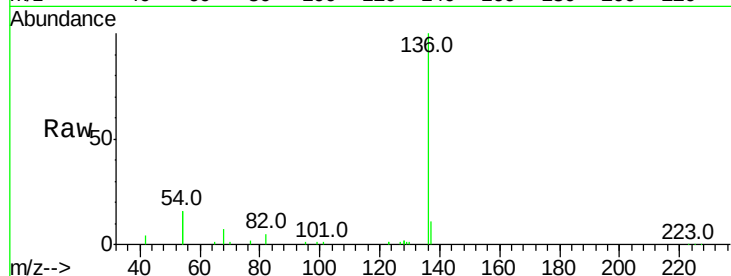
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 32.1 10.3 15.5#

68 6.9 9.0 13.4#

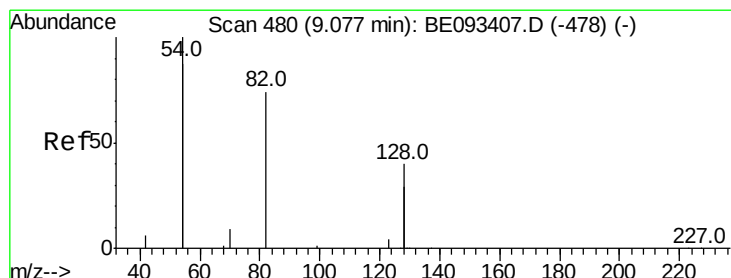
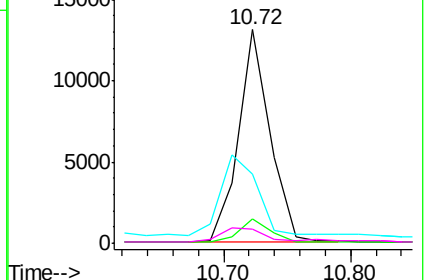
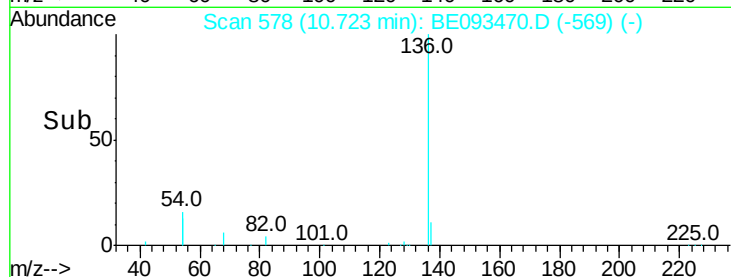


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.392 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

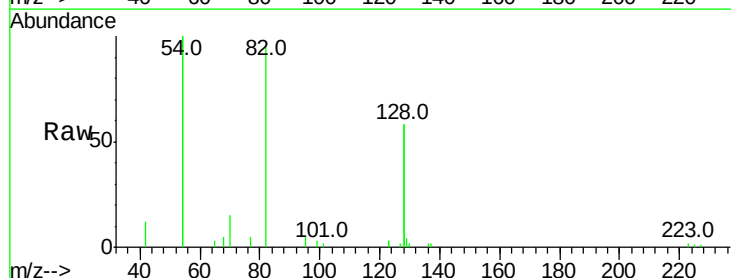
Tgt Ion: 82 Resp: 5679

Ion Ratio Lower Upper

82 100

128 122.7 17.0 25.4#

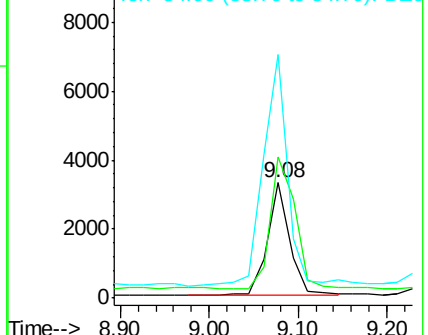
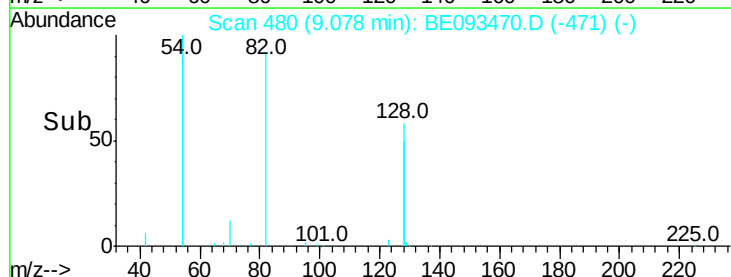
54 210.8 53.8 80.6#

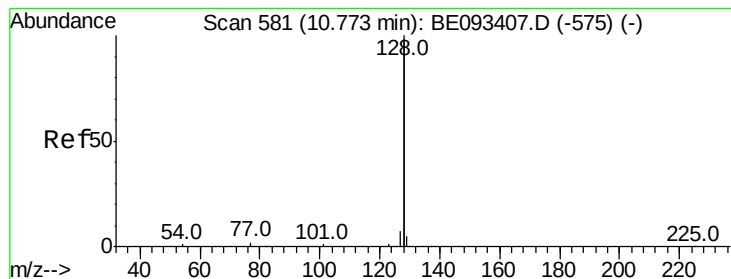


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.020 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.00 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

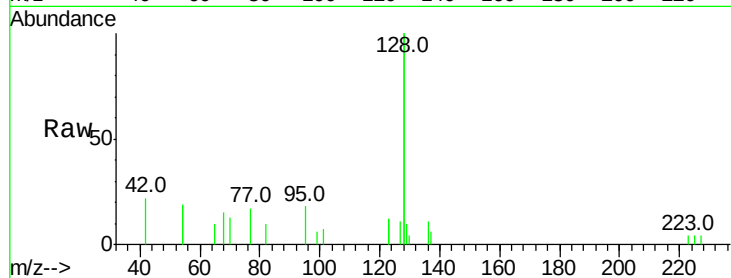
Tot Ion:128 Resp: 4810

Ion Ratio Lower Upper

128 100

129 4.8 11.4 17.0#

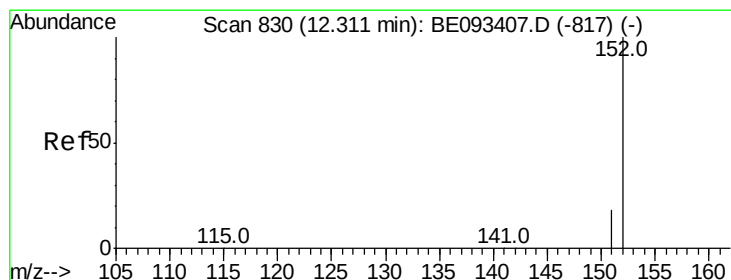
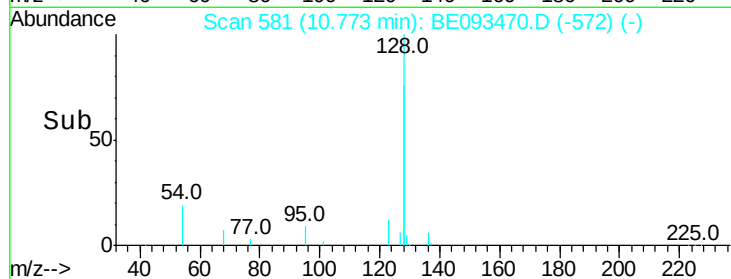
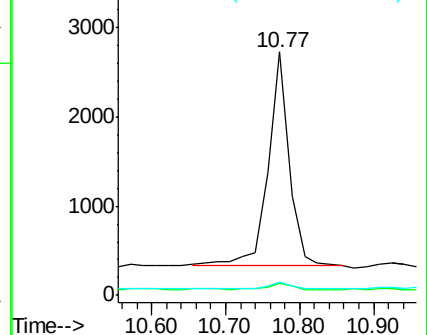
127 5.5 11.2 16.8#



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: 0.374 ng

RT: 12.30 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE093470.D

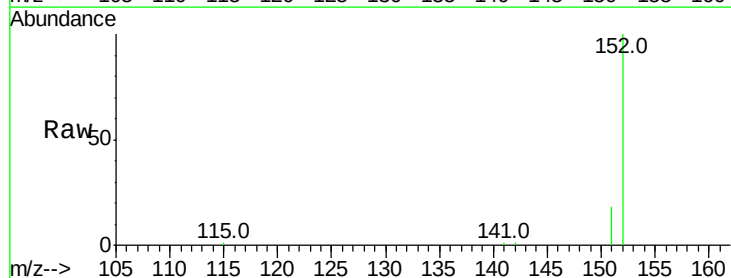
Acq: 14 Jul 2017 14:09

Tgt Ion:152 Resp: 13530

Ion Ratio Lower Upper

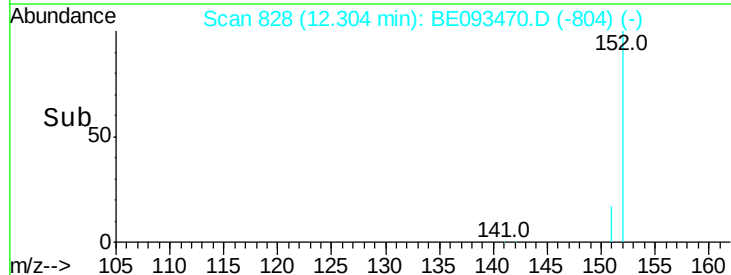
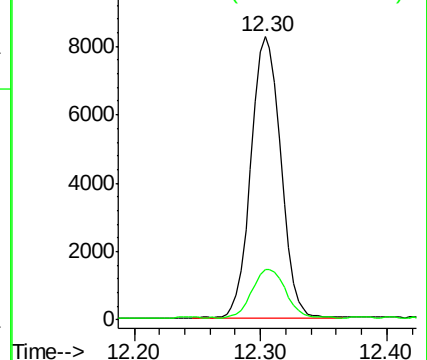
152 100

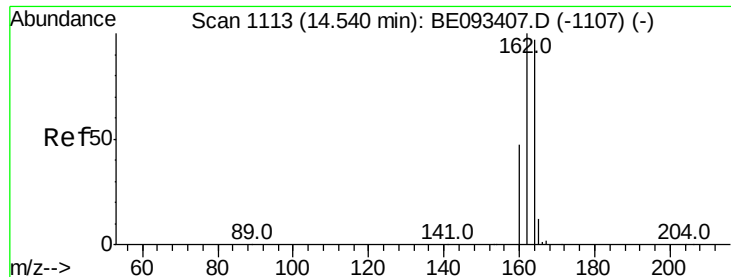
151 19.1 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

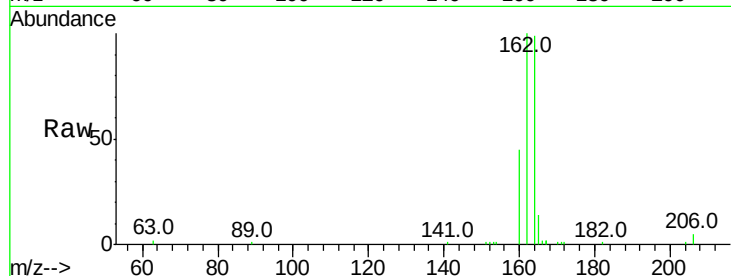
Tot Ion:164 Resp: 15400

Ion Ratio Lower Upper

164 100

162 101.3 84.6 127.0

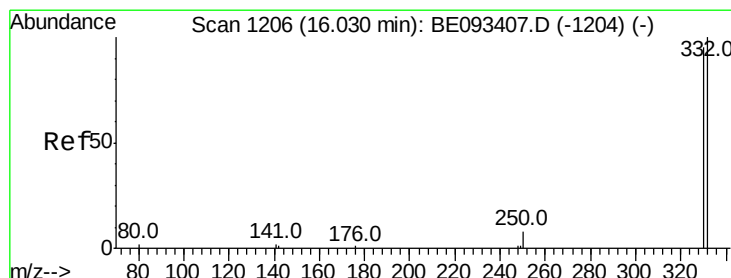
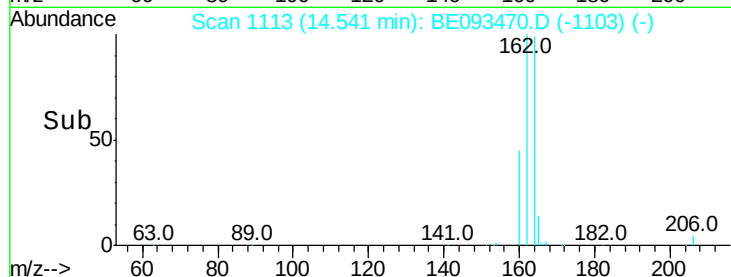
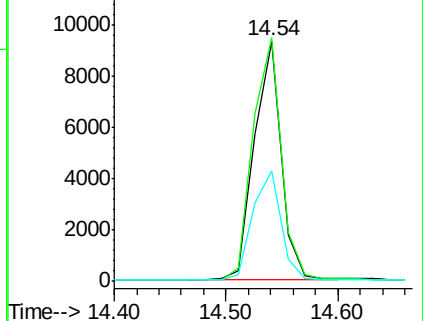
160 45.8 41.8 62.6



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: 0.259 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

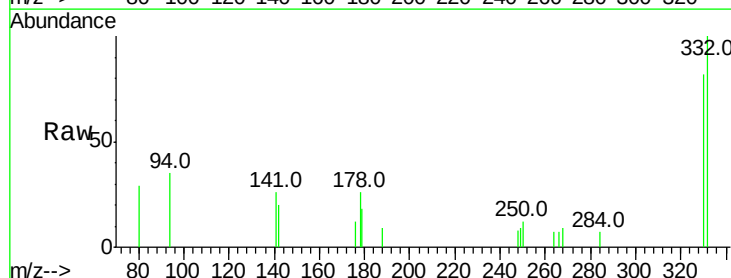
Tgt Ion:330 Resp: 1254

Ion Ratio Lower Upper

330 100

332 113.6 77.7 116.5

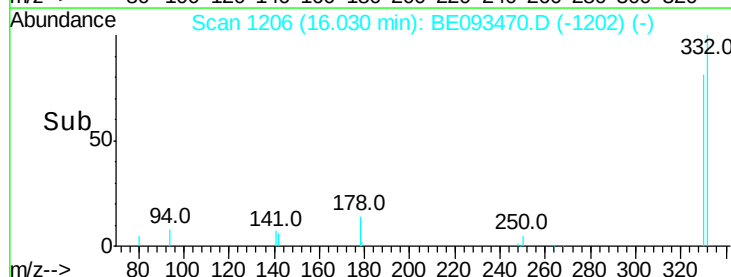
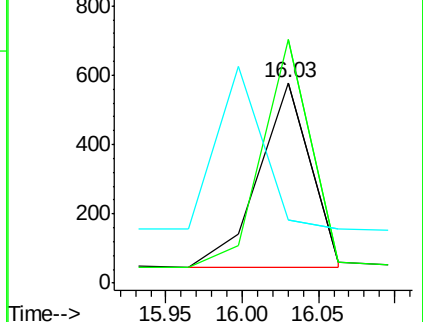
141 0.0 56.2 84.4#

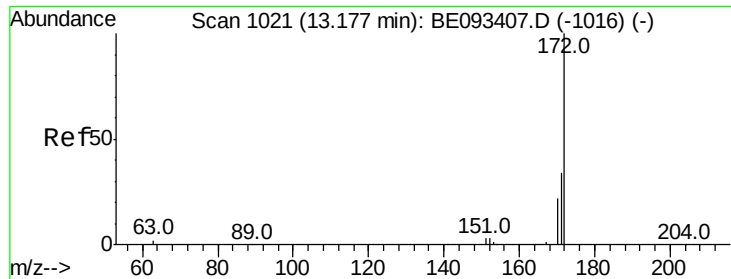


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

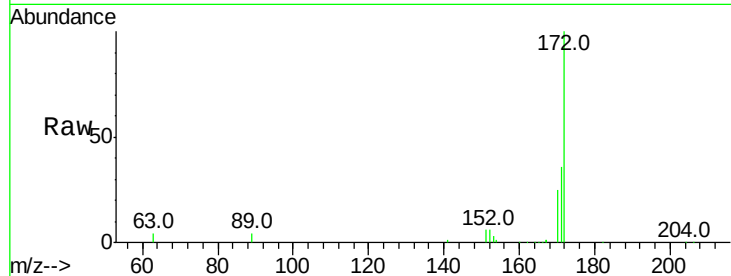




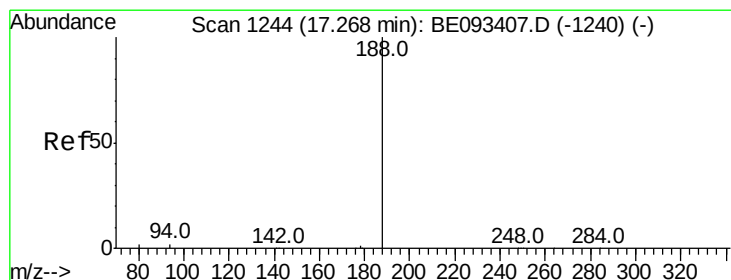
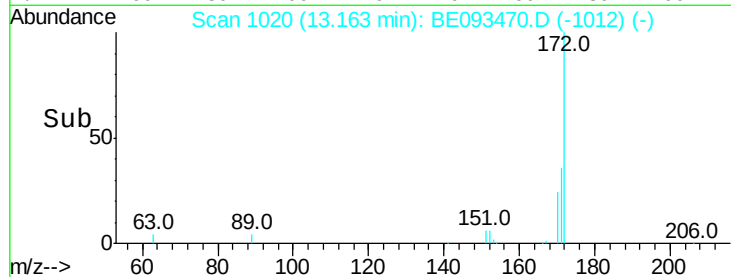
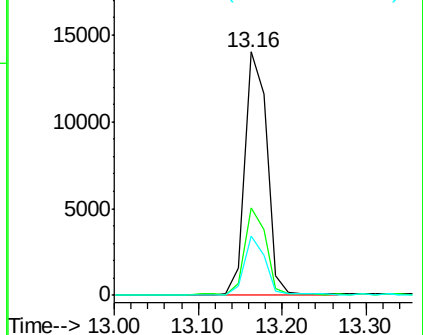
#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.16 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE093470.D
Acq: 14 Jul 2017 14:09

Instrument :
BNA_E
ClientSampleId :
LF-MW-54BR-20170710

Tot Ion:172 Resp: 25351
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.6
170 24.6 20.7 31.1

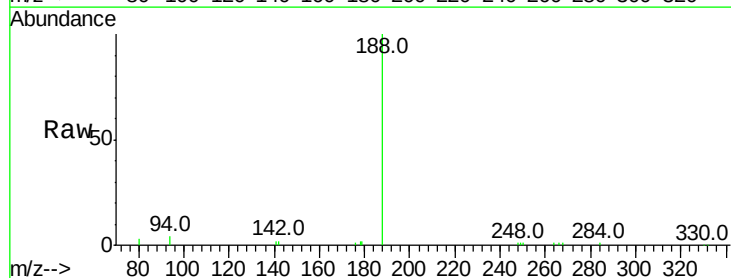


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

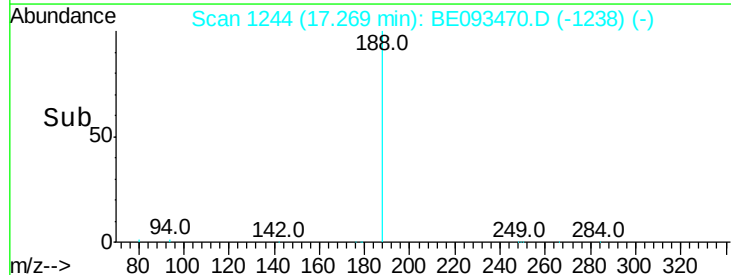
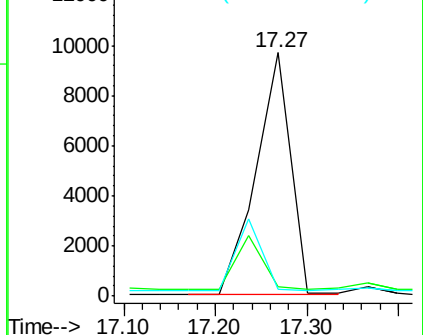


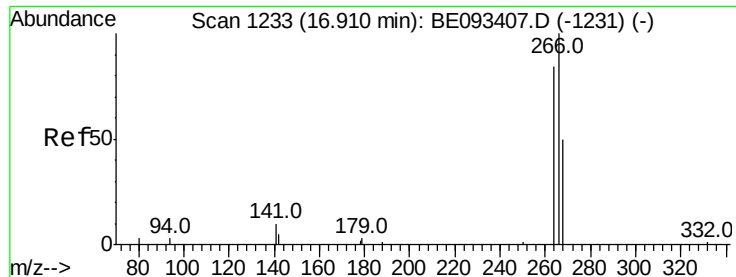
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093470.D
Acq: 14 Jul 2017 14:09

Tgt Ion:188 Resp: 25660
Ion Ratio Lower Upper
188 100
94 3.8 11.3 16.9#
80 3.0 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

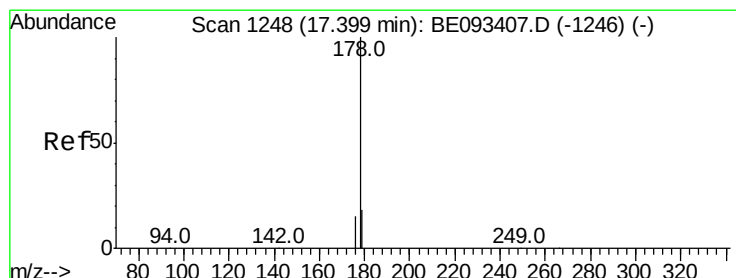
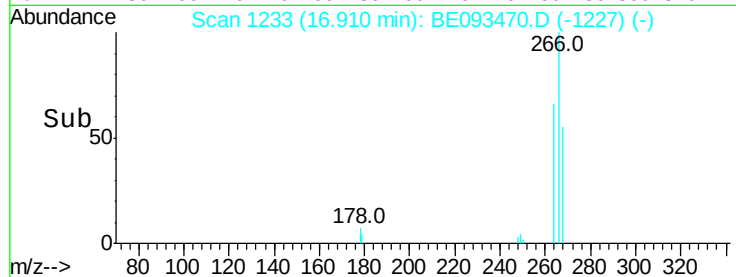
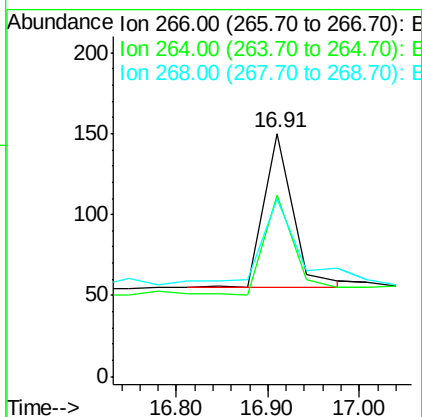
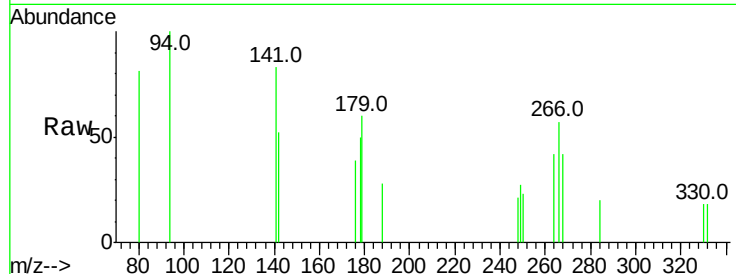




#22
 Pentachlorophenol
 Concen: 0.059 ng
 RT: 16.91 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BE093470.D
 Acq: 14 Jul 2017 14:09

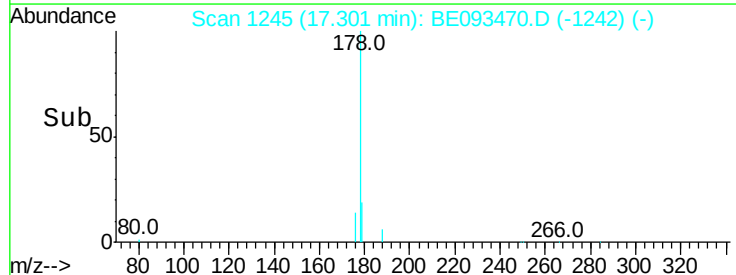
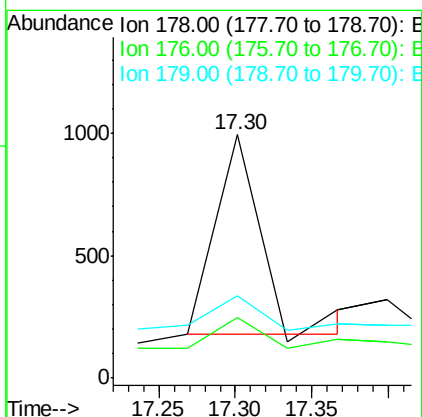
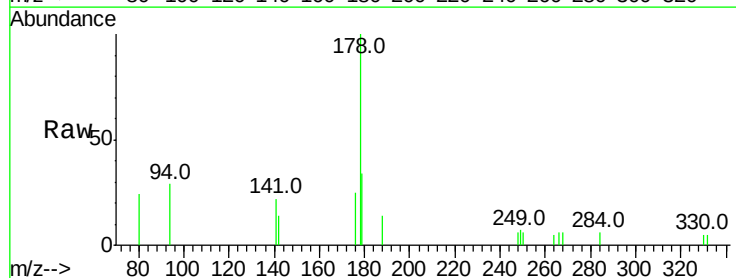
Instrument :
 BNA_E
 ClientSampleId :
 LF-MW-54BR-20170710

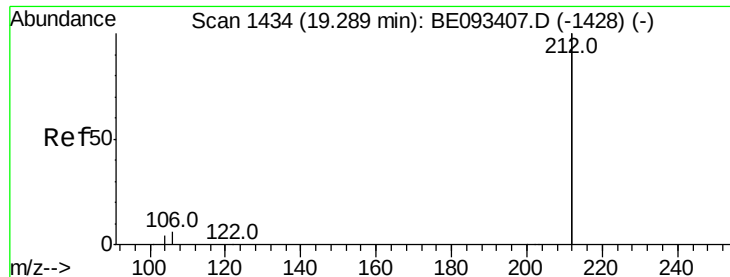
Tot Ion:266 Resp: 211
 Ion Ratio Lower Upper
 266 100
 264 74.7 58.2 87.2
 268 73.3 71.9 107.9



#24
 Anthracene
 Concen: 0.030 ng
 RT: 17.30 min Scan# 1245
 Delta R.T. -0.10 min
 Lab File: BE093470.D
 Acq: 14 Jul 2017 14:09

Tgt Ion:178 Resp: 1719
 Ion Ratio Lower Upper
 178 100
 176 21.8 14.6 22.0
 179 11.8 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.545 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

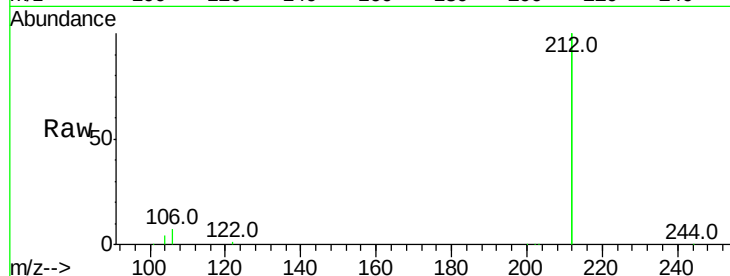
Tot Ion:212 Resp: 168615

Ion Ratio Lower Upper

212 100

106 3.5 2.4 3.6

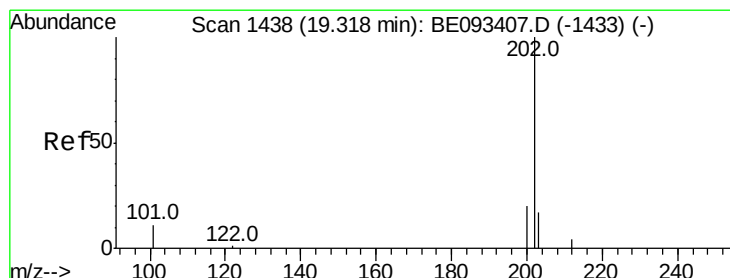
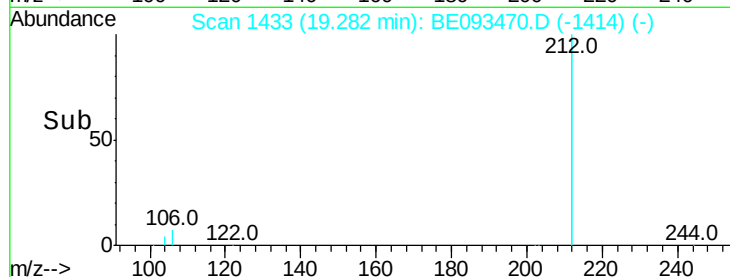
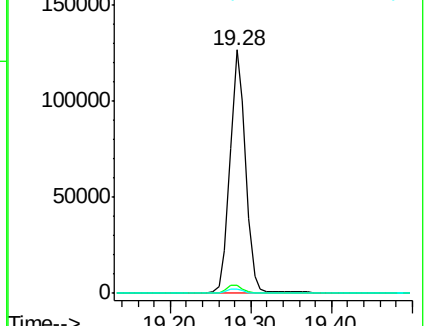
104 1.9 1.6 2.4



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



#26

Fluoranthene

Concen: 0.027 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

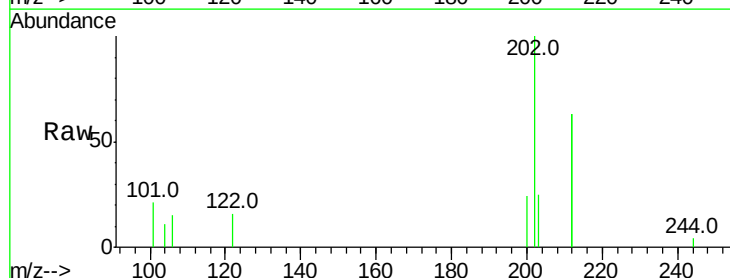
Tgt Ion:202 Resp: 2332

Ion Ratio Lower Upper

202 100

101 25.0 9.6 14.4#

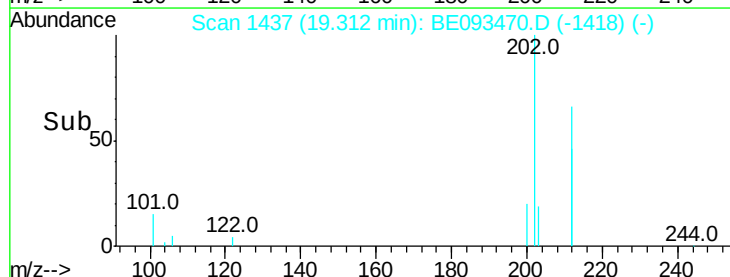
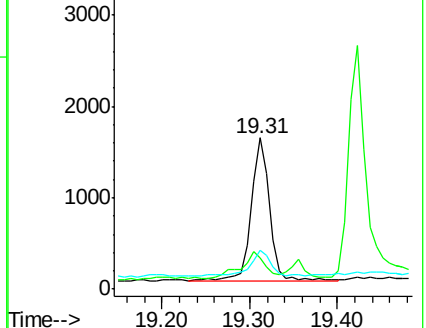
203 16.5 14.4 21.6

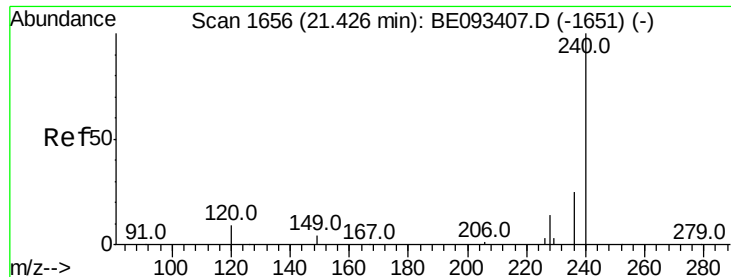


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

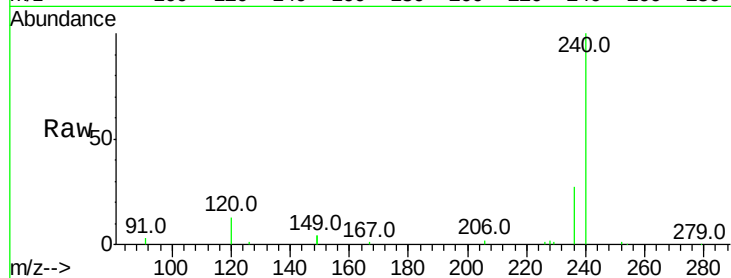




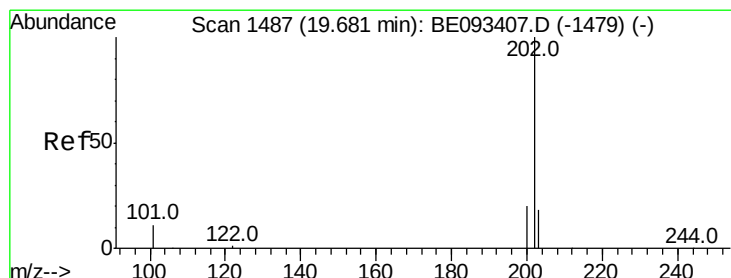
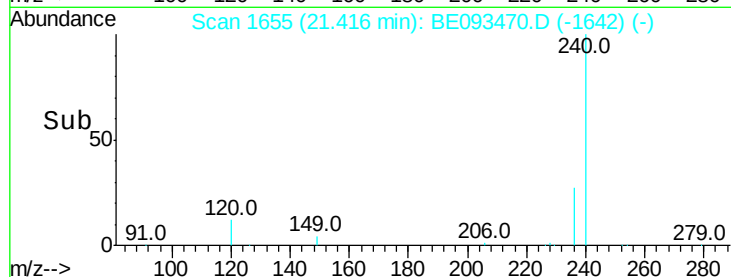
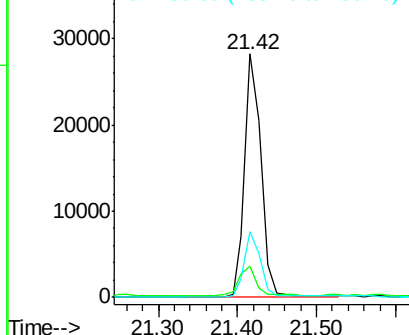
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BE093470.D
 Acq: 14 Jul 2017 14:09

Instrument :
 BNA_E
 ClientSampleId :
 LF-MW-54BR-20170710

Tot Ion:240 Resp: 40615
 Ion Ratio Lower Upper
 240 100
 120 12.8 4.6 7.0#
 236 26.9 20.8 31.2

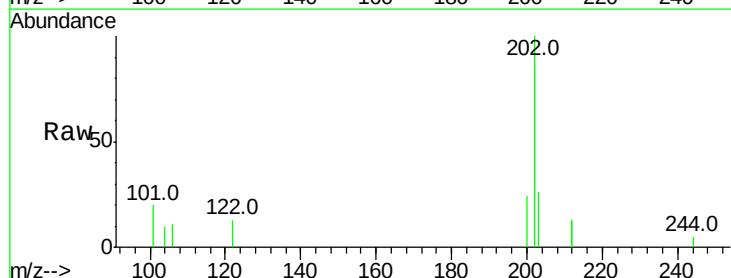


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

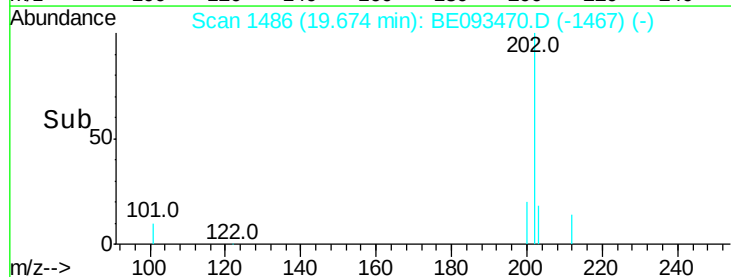
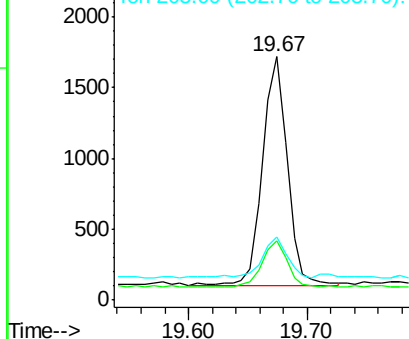


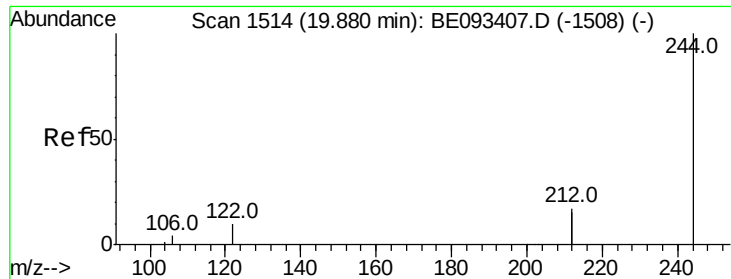
#28
 Pyrene
 Concen: 0.021 ng
 RT: 19.67 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: BE093470.D
 Acq: 14 Jul 2017 14:09

Tgt Ion:202 Resp: 2345
 Ion Ratio Lower Upper
 202 100
 200 21.0 0.0 0.0#
 203 18.9 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.510 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

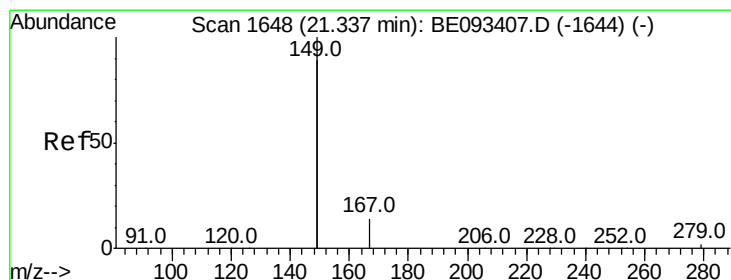
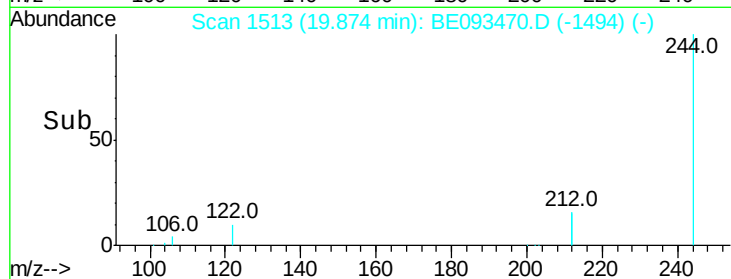
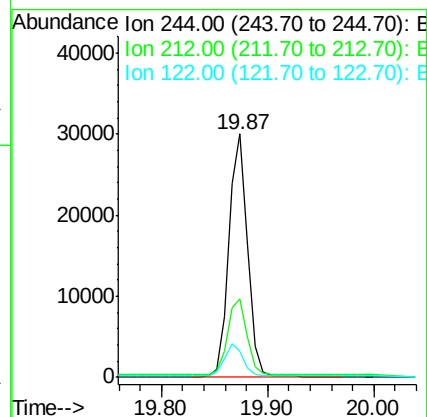
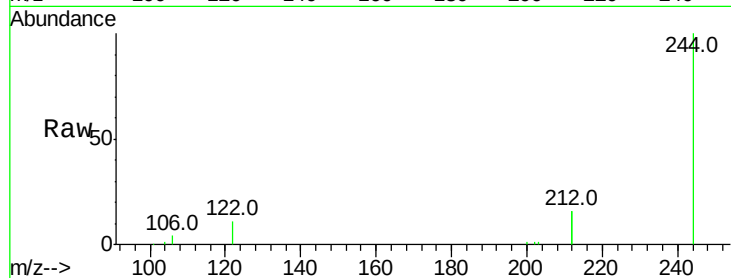
Tot Ion:244 Resp: 37013

Ion Ratio Lower Upper

244 100

212 32.3 10.6 16.0#

122 10.7 15.4 23.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.205 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

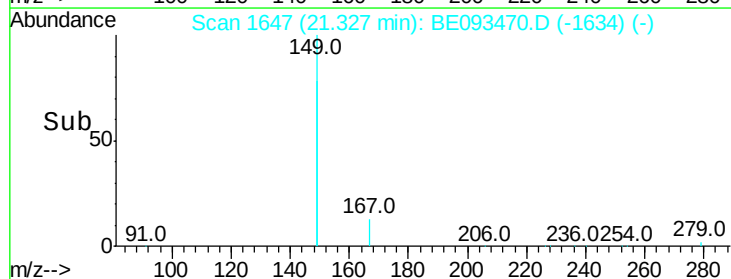
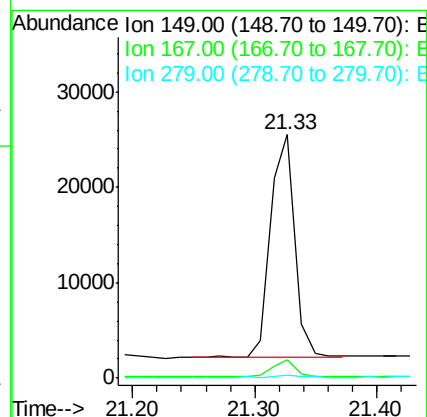
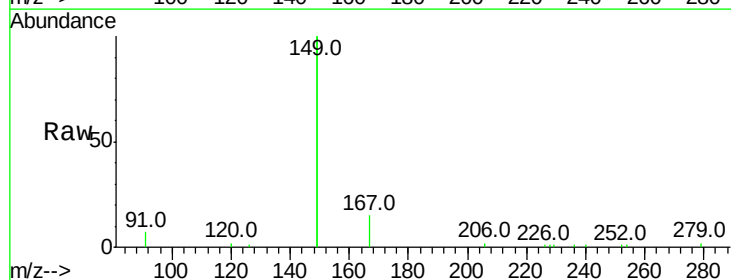
Tgt Ion:149 Resp: 32391

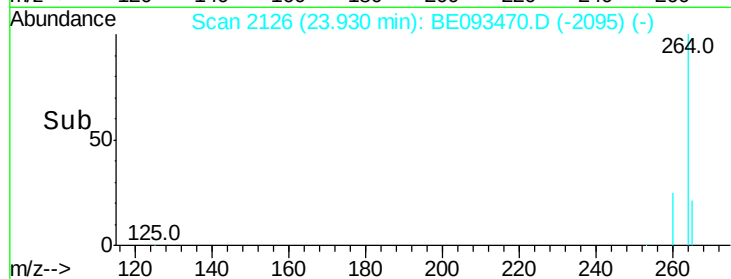
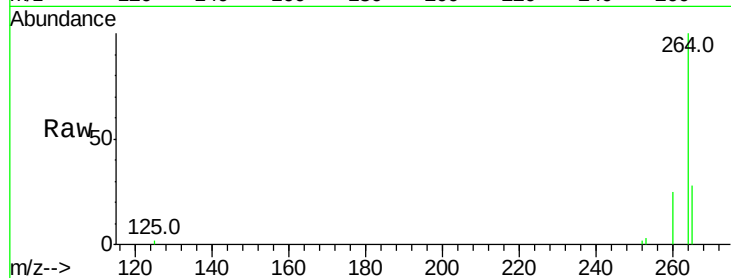
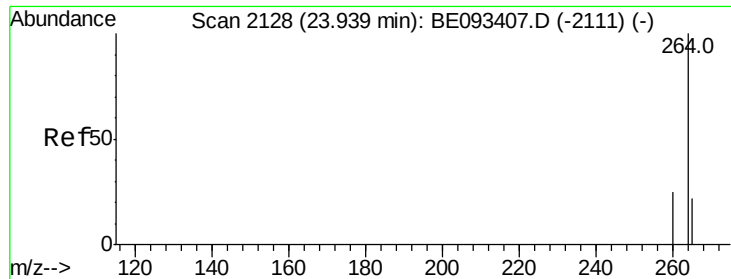
Ion Ratio Lower Upper

149 100

167 6.7 20.1 30.1#

279 1.0 2.2 3.4#





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE093470.D

Acq: 14 Jul 2017 14:09

Instrument :

BNA_E

ClientSampleId :

LF-MW-54BR-20170710

Tot Ion:264 Resp: 34272

Ion Ratio Lower Upper

264 100

260 24.9 21.0 31.4

265 27.6 24.6 36.8

