

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093014.D
 Acq On : 12 May 2017 12:44
 Operator : SJ/MA
 Sample : I3079-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW005-170509

Quant Time: May 12 17:23:02 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	872	0.40	ng	-0.02
7) Naphthalene-d8	10.52	136	3604	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1808	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5243	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5535	0.40	ng	0.00
34) Perylene-d12	23.69	264	4615	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	386	0.16	ng	0.00
5) Phenol-d6	6.92	99	304	0.10	ng	-0.02
8) Nitrobenzene-d5	8.88	82	923	0.33	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1616	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	226	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	3469	0.48	ng	0.00
25) Fluoranthene-d10	19.14	212	4551	0.33	ng	-0.02
29) Terphenyl-d14	19.74	244	5386	0.55	ng	0.00

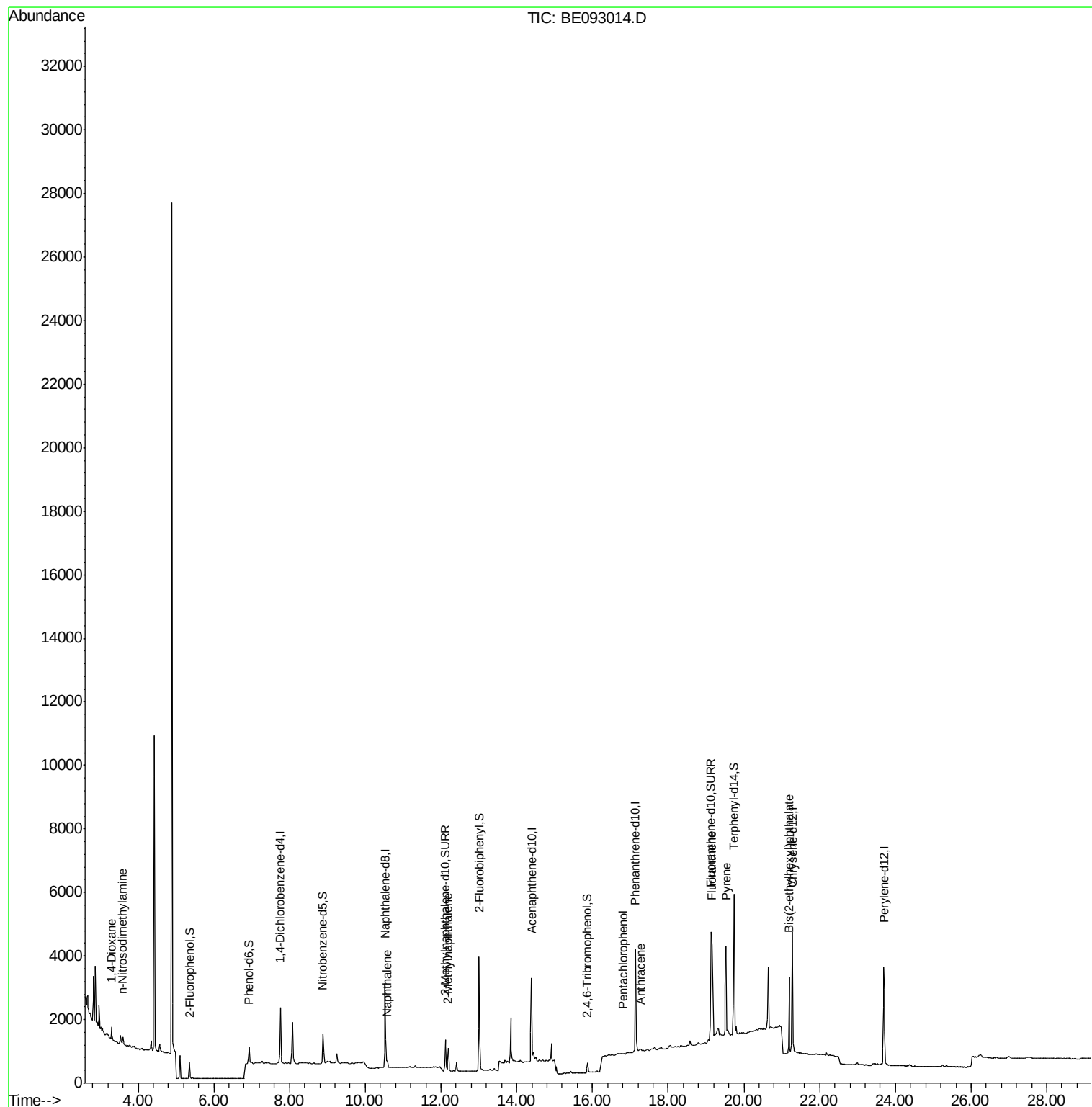
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	137	0.08	ng	# 1
3) n-Nitrosodimethylamine	3.59	42	51	0.03	ng	# 1
9) Naphthalene	10.58	128	372	0.04	ng	# 55
12) 2-Methylnaphthalene	12.19	142	527	0.09	ng	97
21) Hexachlorobenzene	16.47	284	7	Below Cal	#	100
22) Pentachlorophenol	16.82	266	22	0.11	ng	# 83
24) Anthracene	17.28	178	325	0.03	ng	# 74
26) Fluoranthene	19.16	202	3895	0.06	ng	# 59
28) Pyrene	19.53	202	4616	0.07	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.20	149	2237	0.43	ng	95

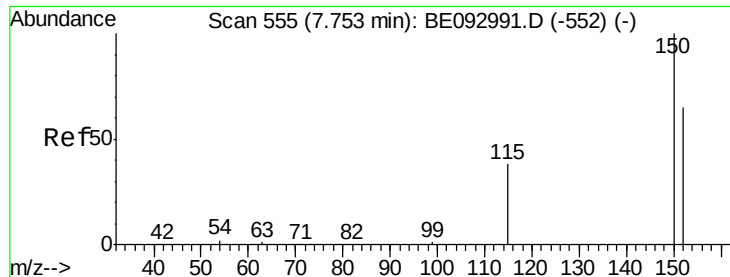
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093014.D

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Instrument :

BNA_E

ClientSampleId :

LF017MW005-170509

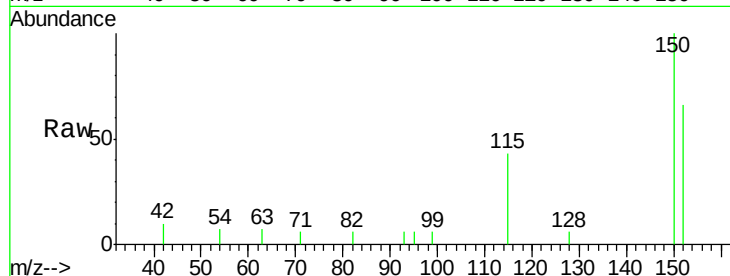
Tgt Ion: 152 Resp: 872

Ion Ratio Lower Upper

152 100

150 151.4 125.1 187.7

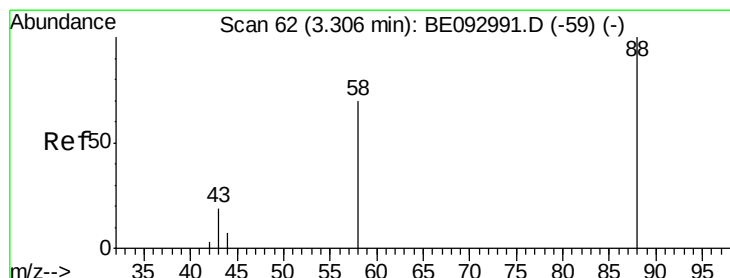
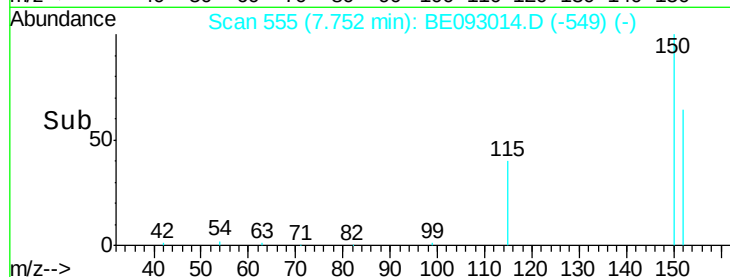
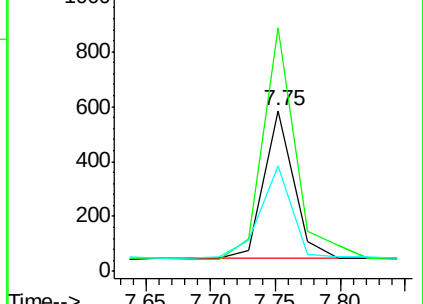
115 65.5 55.7 83.5



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: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

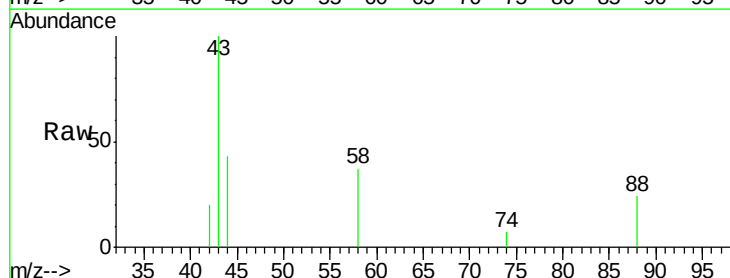
Tgt Ion: 88 Resp: 137

Ion Ratio Lower Upper

88 100

58 97.1 62.2 93.4#

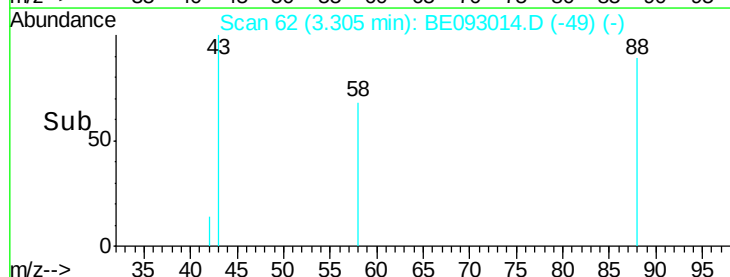
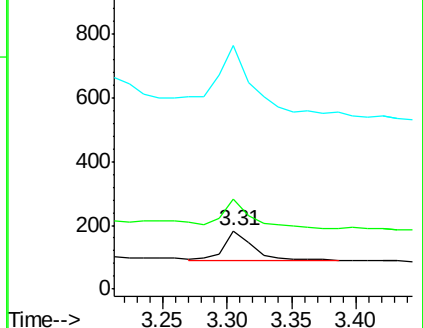
43 361.3 23.2 34.8#

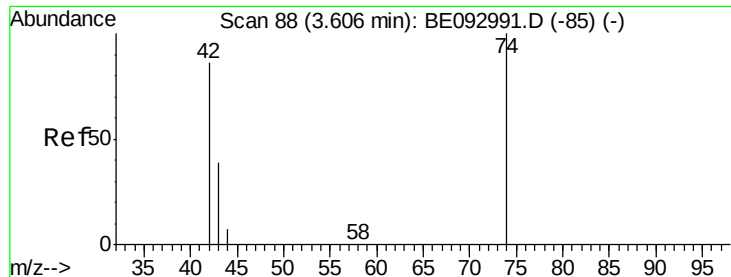


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.01 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

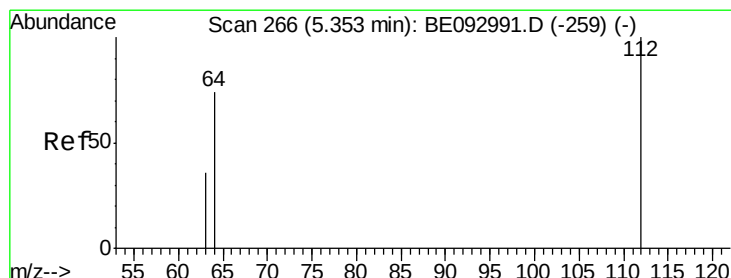
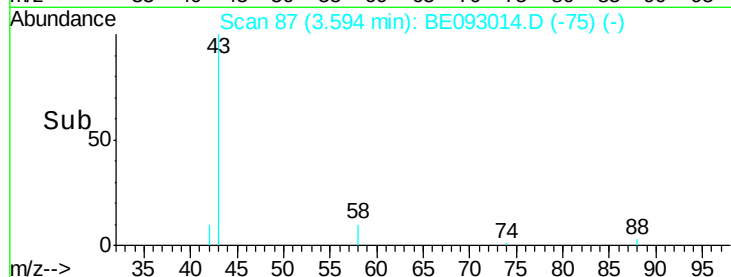
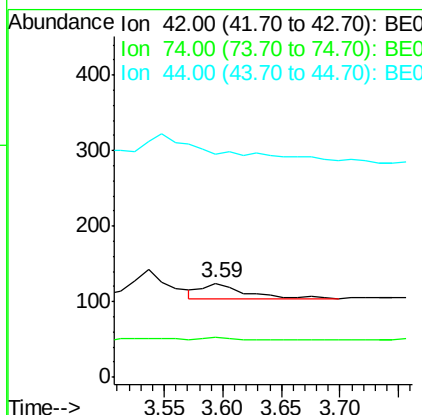
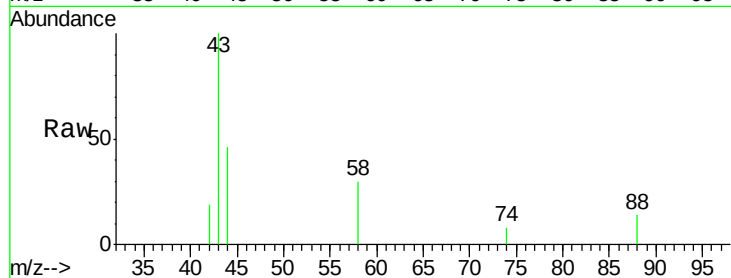
Instrument :

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LF017MW005-170509

Tgt Ion:	42	Resp:	51
Ion	Ratio	Lower	Upper
42	100		
74	5.9	99.1	148.7#
44	0.0	7.4	11.2#



#4

2-Fluorophenol

Concen: 0.16 ng

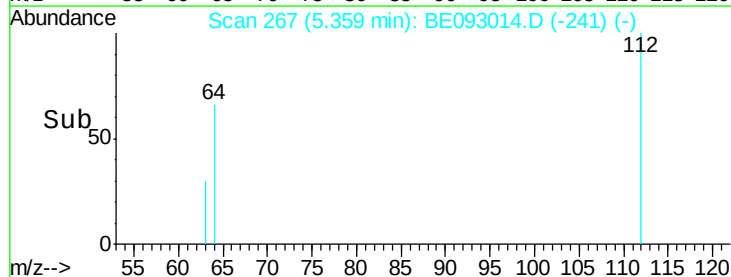
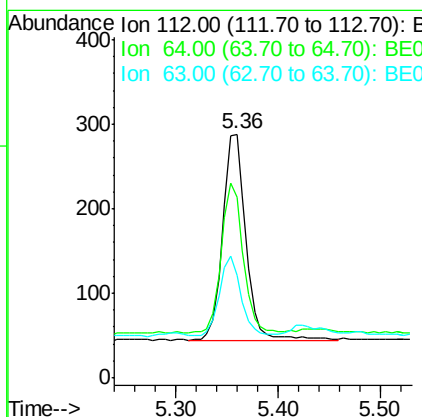
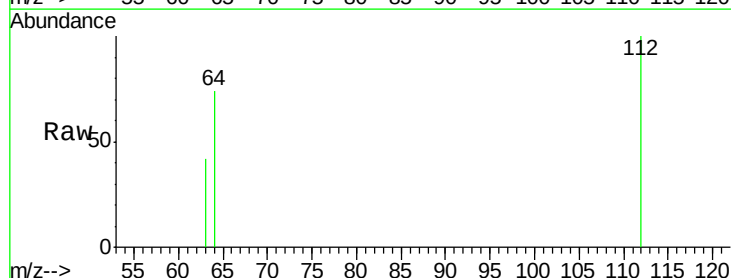
RT: 5.36 min Scan# 267

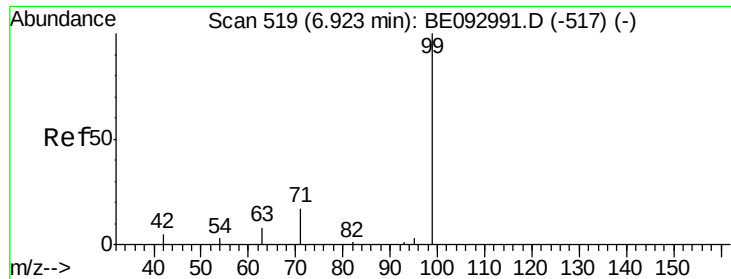
Delta R.T. 0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Tgt Ion:	112	Resp:	386
Ion	Ratio	Lower	Upper
112	100		
64	68.1	56.4	84.6
63	35.0	29.3	43.9





#5

Phenol-d6

Concen: 0.10 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

LF017MW005-170509

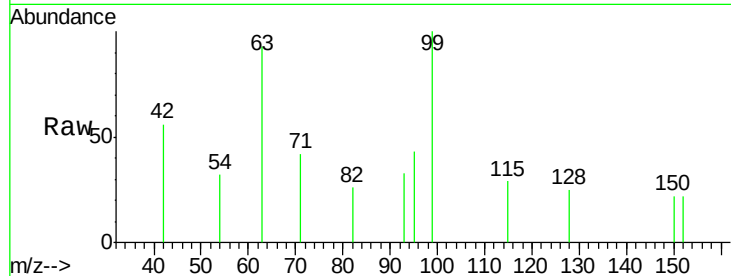
Tgt Ion: 99 Resp: 304

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

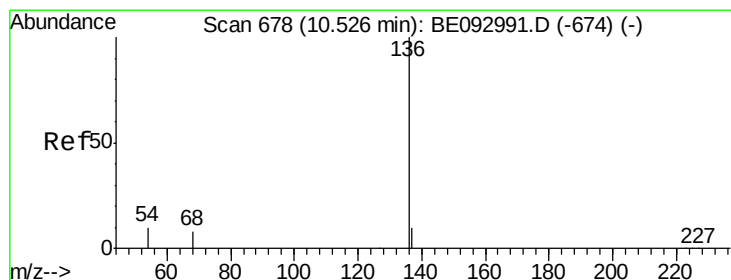
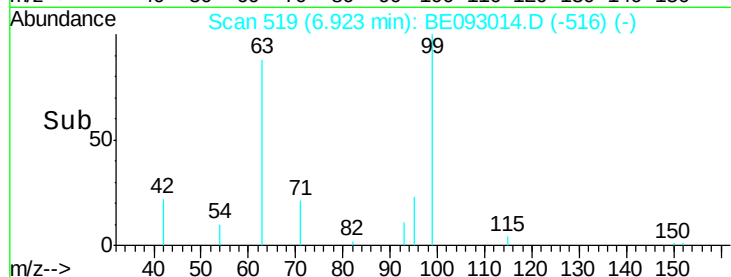
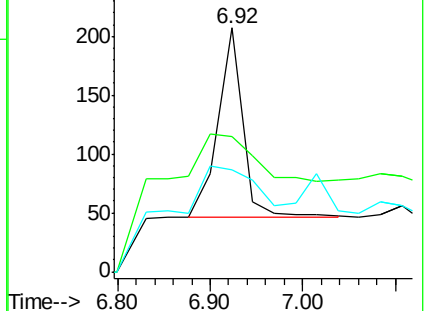
71 0.0 0.0 0.0



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: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Tgt Ion: 136 Resp: 3604

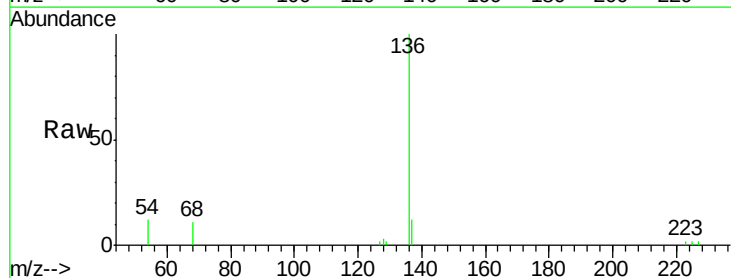
Ion Ratio Lower Upper

136 100

137 12.3 9.8 14.8

54 11.8 10.3 15.5

68 10.9 9.0 13.4

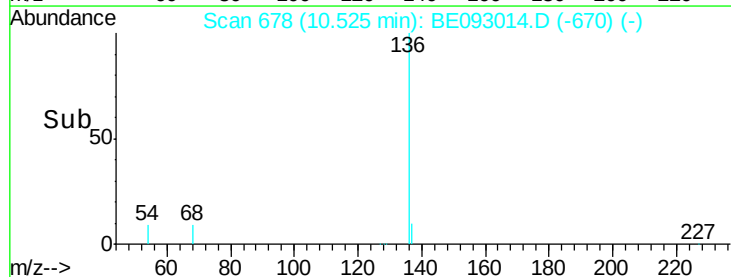
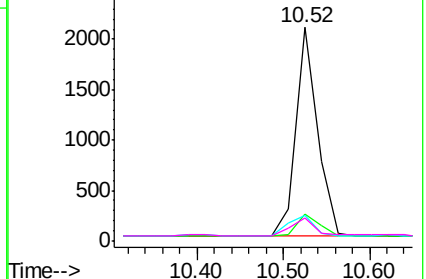


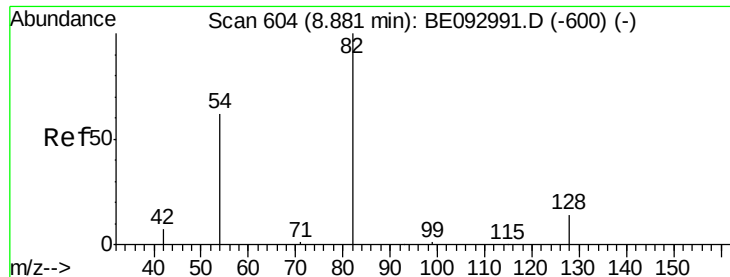
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.33 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

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LF017MW005-170509

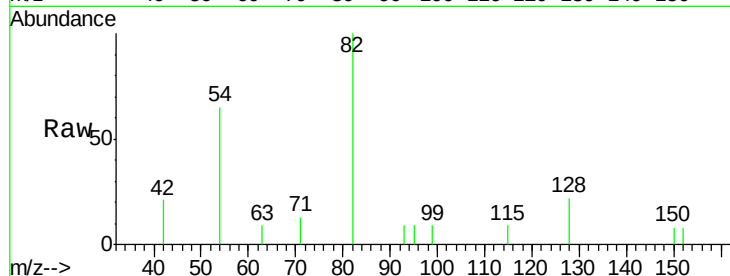
Tgt Ion: 82 Resp: 923

Ion Ratio Lower Upper

82 100

128 21.6 17.0 25.4

54 64.7 53.8 80.6

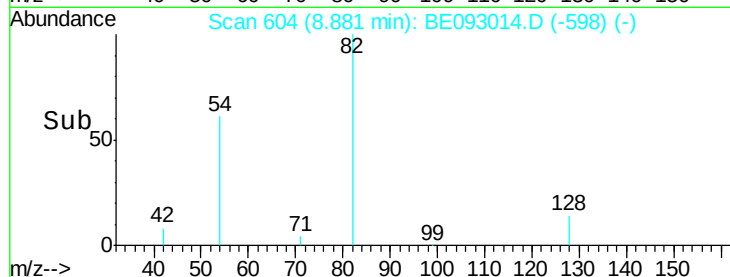


Abundance Ion 82.00 (81.70 to 82.70): BE092991.D (-600) (-)

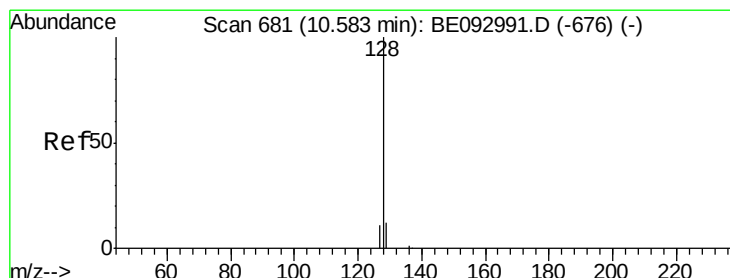
Ion 128.00 (127.70 to 128.70): BE092991.D (-600) (-)

Ion 54.00 (53.70 to 54.70): BE092991.D (-600) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.04 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

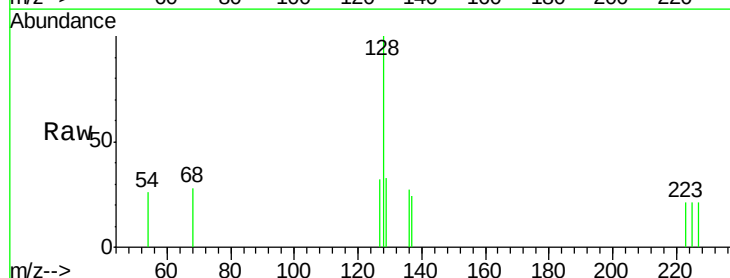
Tgt Ion: 128 Resp: 372

Ion Ratio Lower Upper

128 100

129 32.7 11.4 17.0#

127 32.2 11.2 16.8#

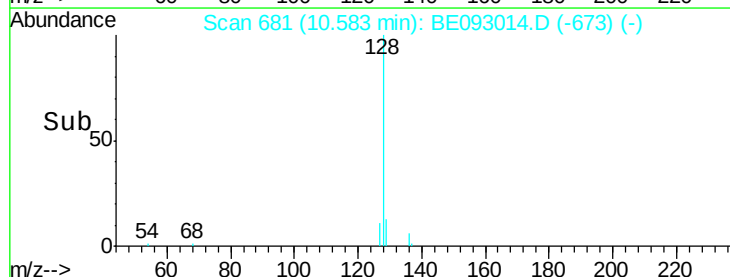


Abundance Ion 128.00 (127.70 to 128.70): BE092991.D (-676) (-)

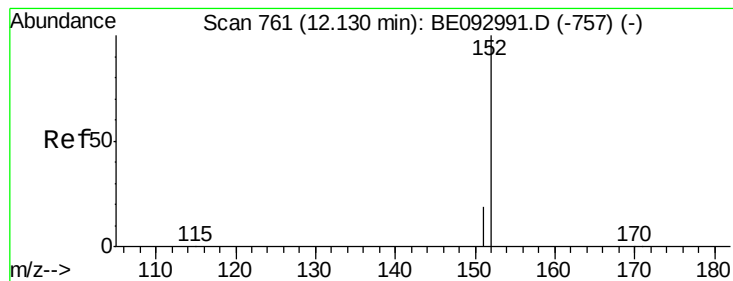
Ion 129.00 (128.70 to 129.70): BE092991.D (-676) (-)

Ion 127.00 (126.70 to 127.70): BE092991.D (-676) (-)

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.32 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

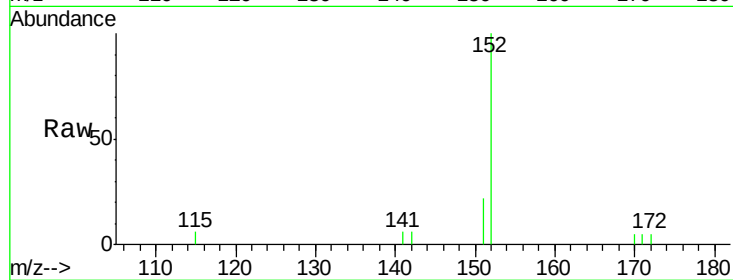
LF017MW005-170509

Tgt Ion:152 Resp: 1616

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

12.11

800

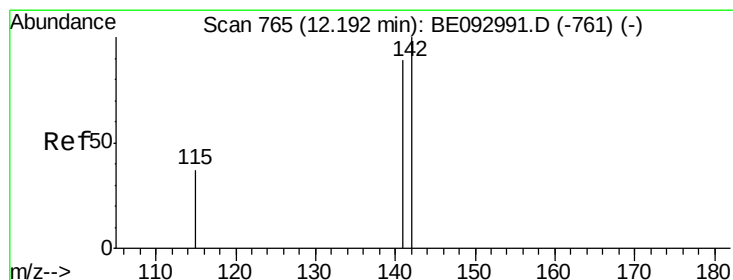
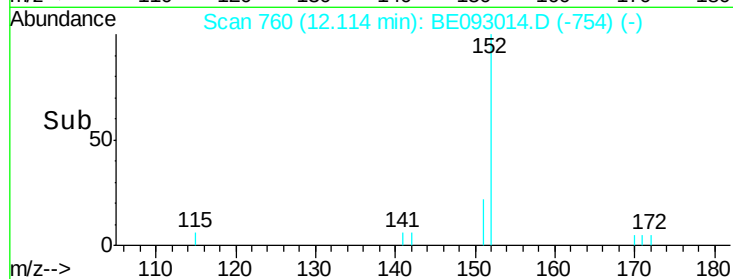
600

400

200

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.09 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

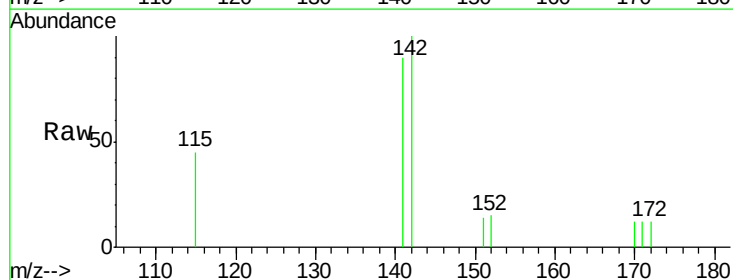
Tgt Ion:142 Resp: 527

Ion Ratio Lower Upper

142 100

141 89.7 72.6 108.8

115 45.3 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

12.19

500

400

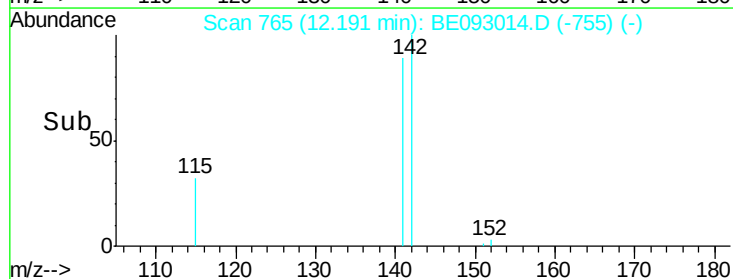
300

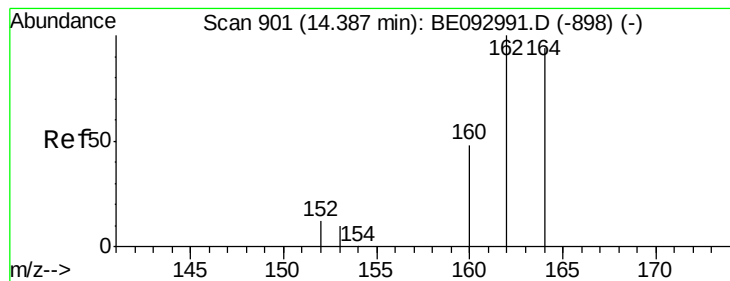
200

100

0

Time--> 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

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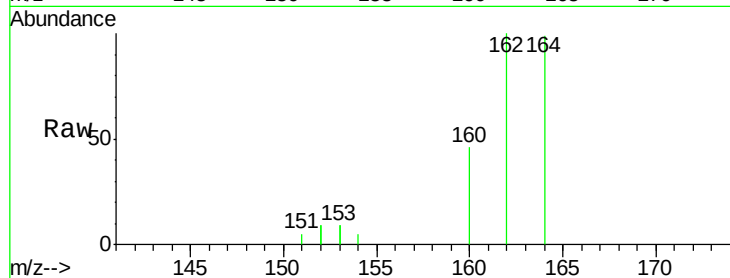
Tgt Ion:164 Resp: 1808

Ion Ratio Lower Upper

164 100

162 100.7 84.6 127.0

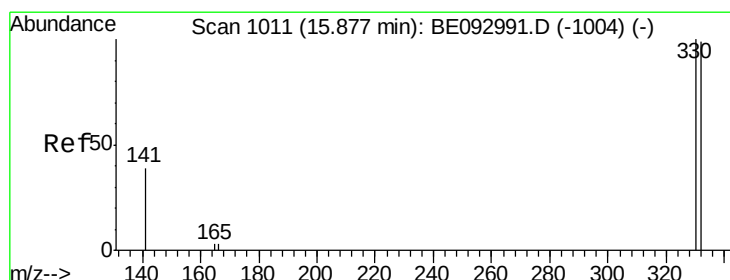
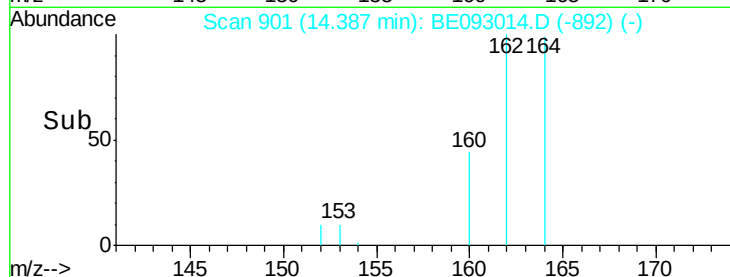
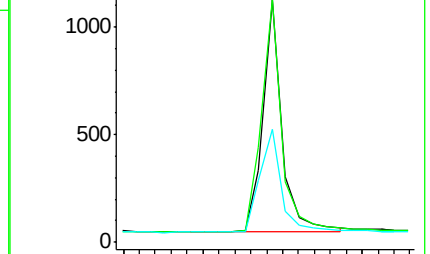
160 46.6 41.8 62.6



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: 0.46 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

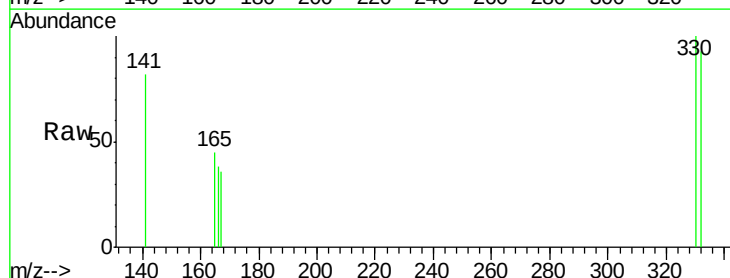
Tgt Ion:330 Resp: 226

Ion Ratio Lower Upper

330 100

332 96.9 77.7 116.5

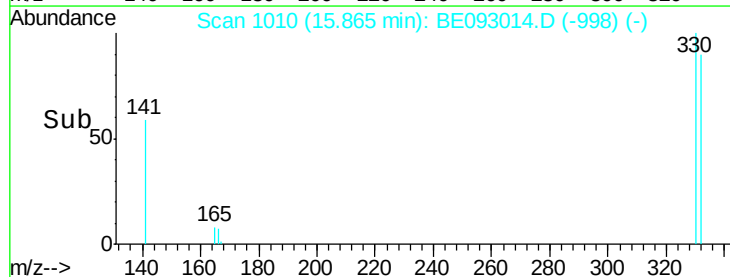
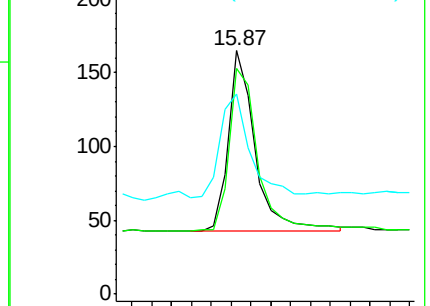
141 66.8 56.2 84.4

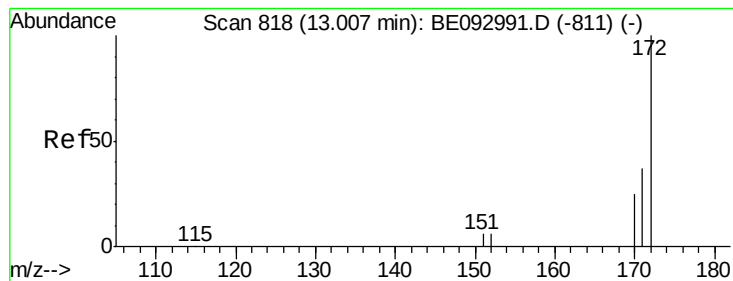


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.48 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

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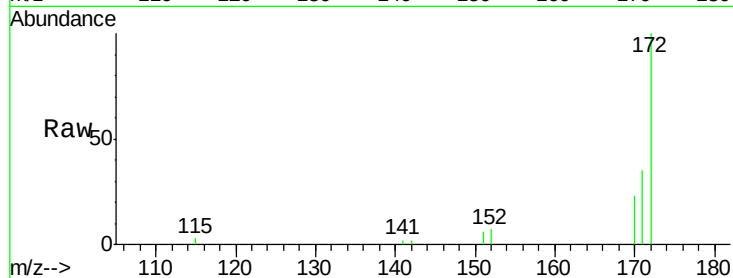
Tgt Ion:172 Resp: 3469

Ion Ratio Lower Upper

172 100

171 34.6 29.8 44.6

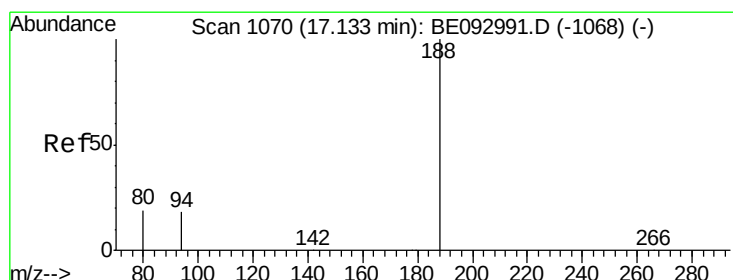
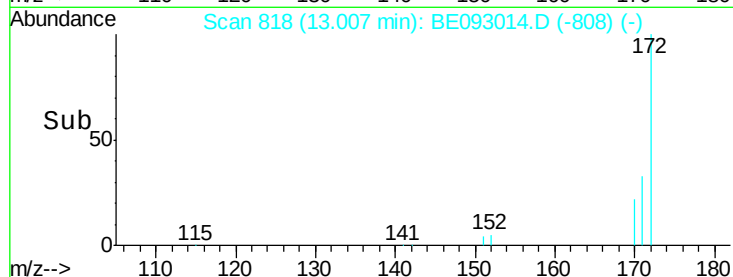
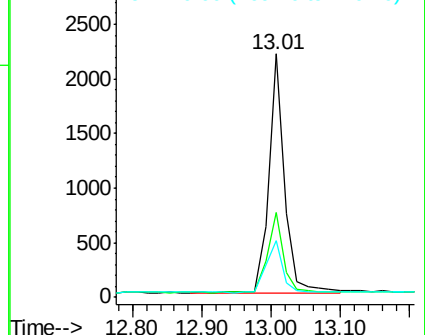
170 23.2 20.7 31.1



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: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

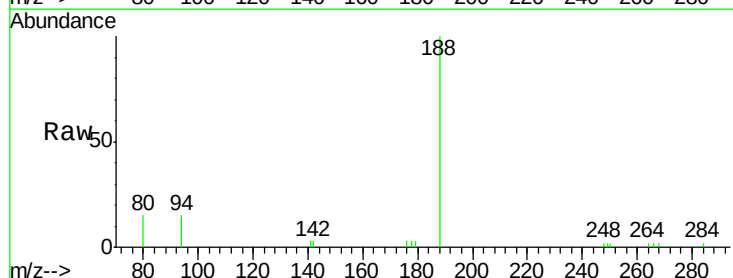
Tgt Ion:188 Resp: 5243

Ion Ratio Lower Upper

188 100

94 15.2 11.3 16.9

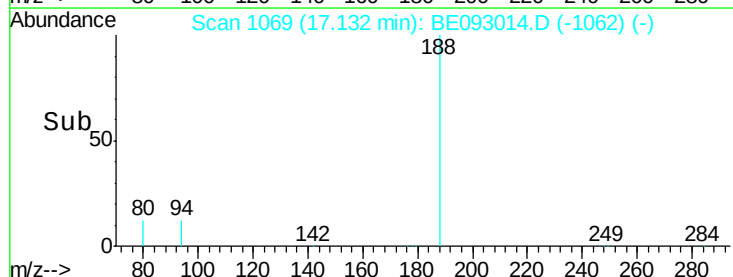
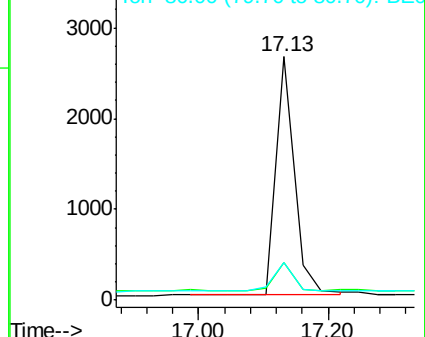
80 15.2 11.7 17.5

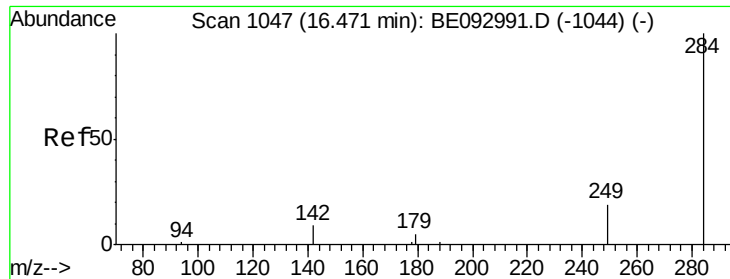


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

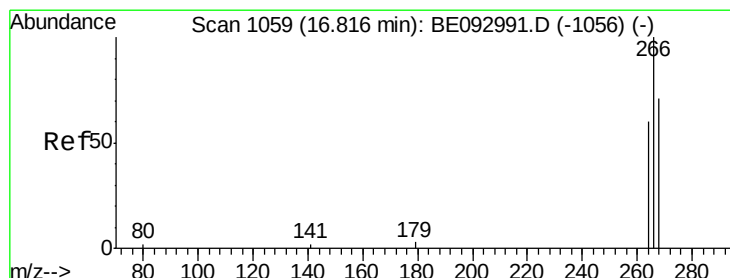
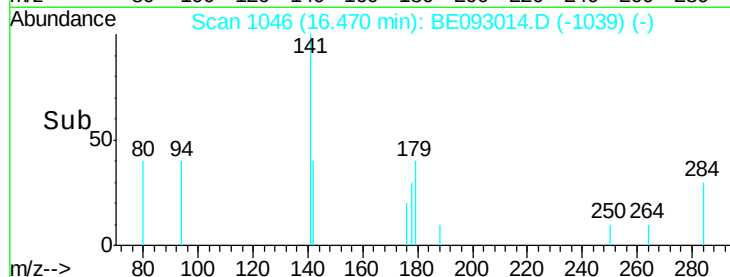
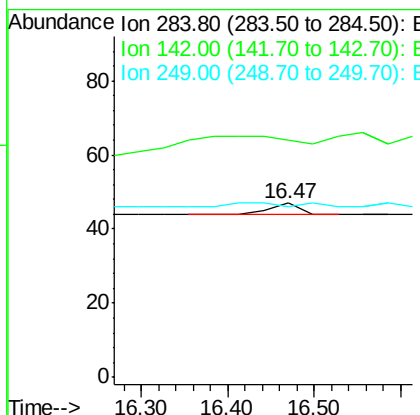
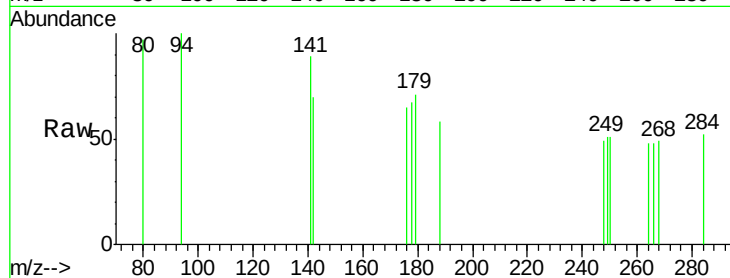




#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.47 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE093014.D
Acq: 12 May 2017 12:44

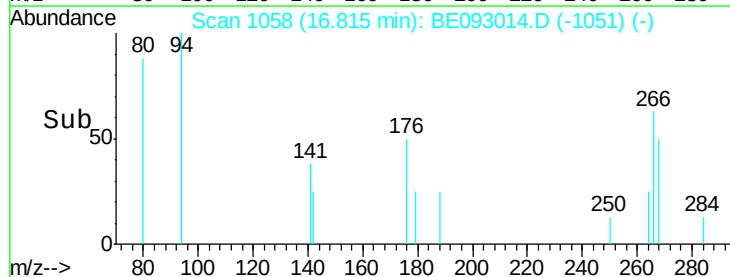
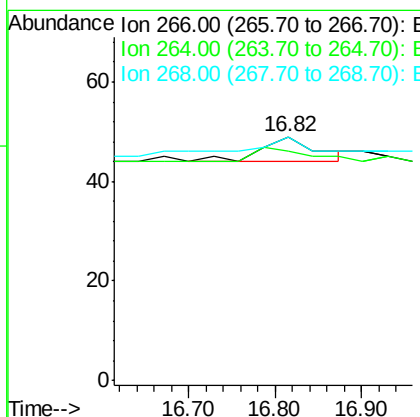
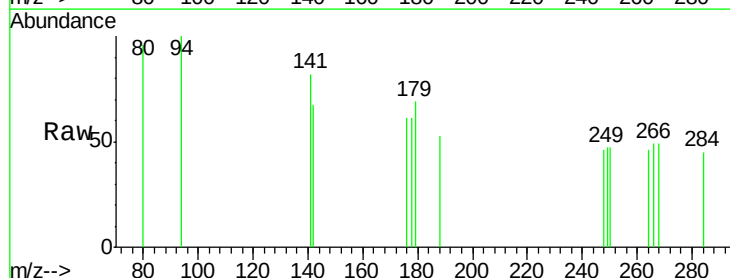
Instrument :
BNA_E
ClientSampleId :
LF017MW005-170509

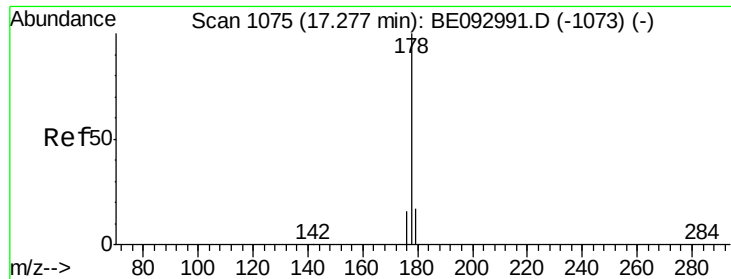
Tgt Ion: 284 Resp: 7
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



#22
Pentachlorophenol
Concen: 0.11 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE093014.D
Acq: 12 May 2017 12:44

Tgt Ion: 266 Resp: 22
Ion Ratio Lower Upper
266 100
264 93.9 58.2 87.2#
268 100.0 71.9 107.9





#24

Anthracene

Concen: 0.03 ng

RT: 17.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

LF017MW005-170509

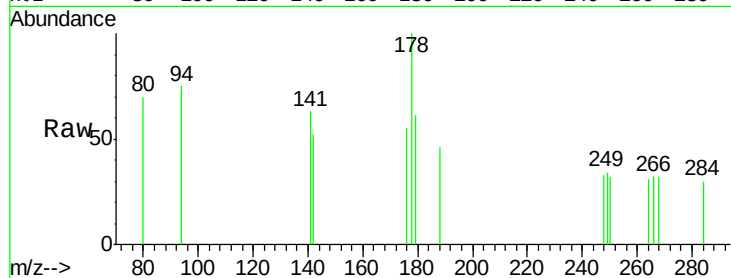
Tgt Ion:178 Resp: 325

Ion Ratio Lower Upper

178 100

176 10.8 14.6 22.0#

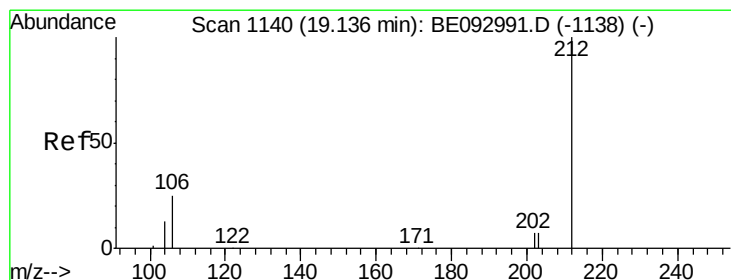
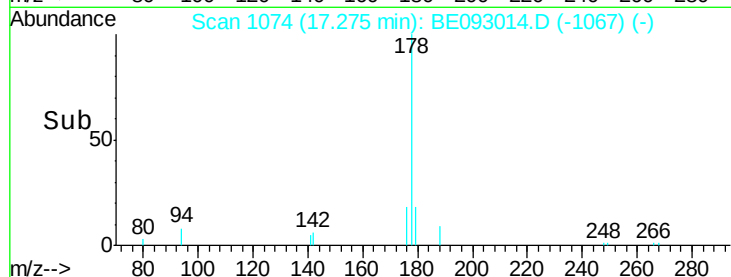
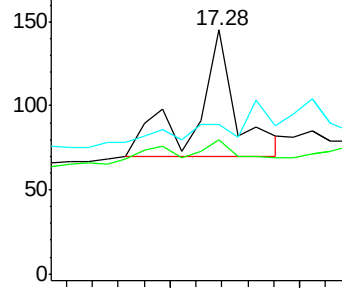
179 0.0 12.0 18.0#



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: 0.33 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

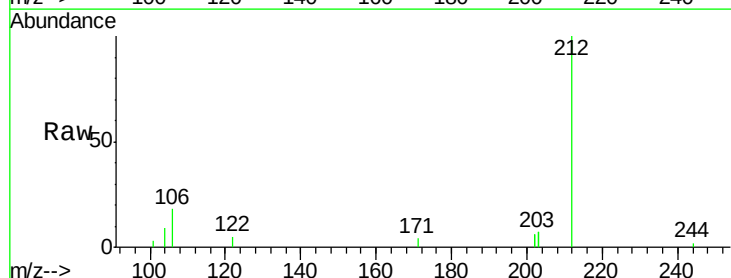
Tgt Ion:212 Resp: 4551

Ion Ratio Lower Upper

212 100

106 18.4 0.0 0.0#

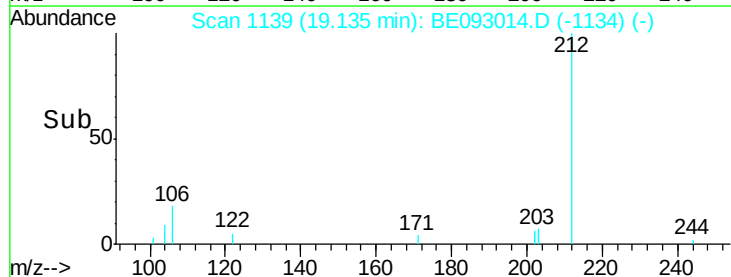
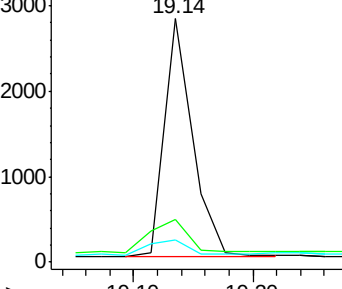
104 9.1 0.0 0.0#

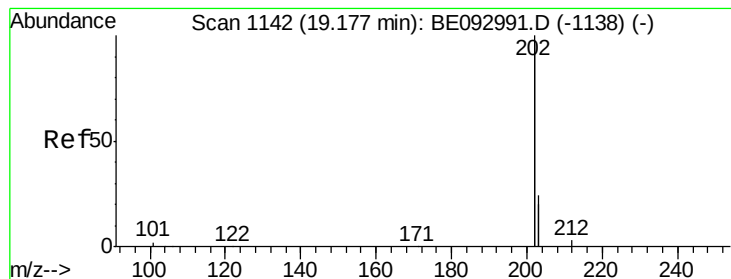


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.06 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

LF017MW005-170509

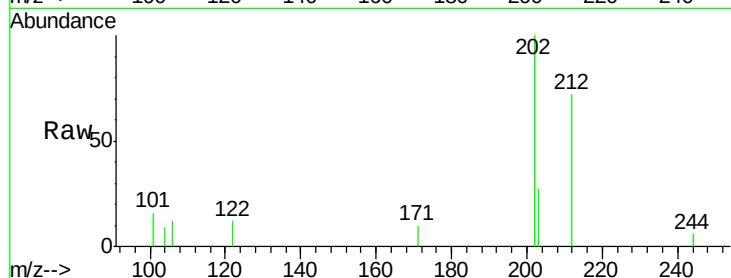
Tgt Ion:202 Resp: 3895

Ion Ratio Lower Upper

202 100

101 4.4 0.0 0.0#

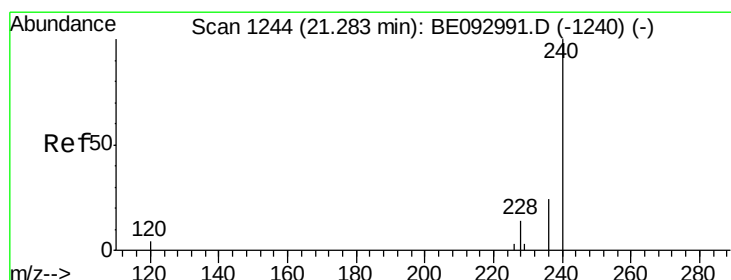
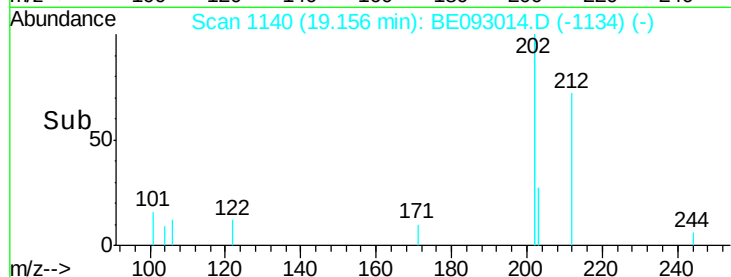
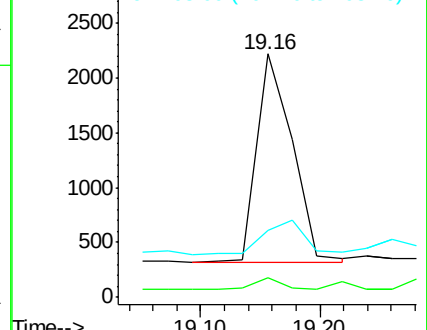
203 0.0 14.4 21.6#



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: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

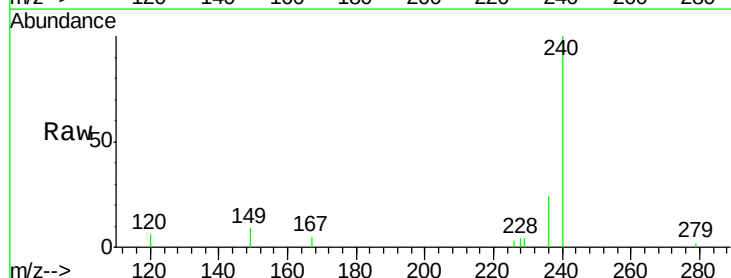
Tgt Ion:240 Resp: 5535

Ion Ratio Lower Upper

240 100

120 6.0 4.6 7.0

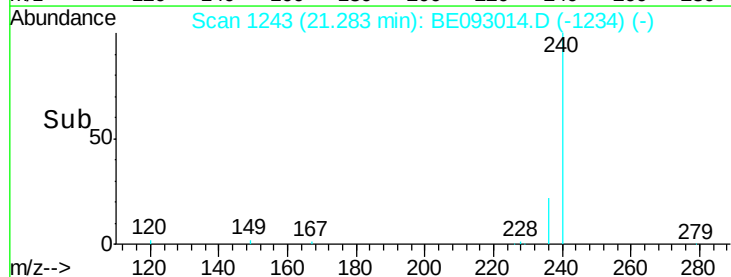
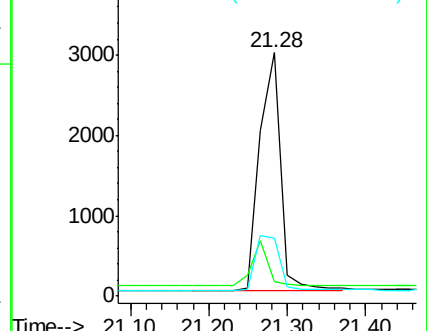
236 23.7 20.8 31.2

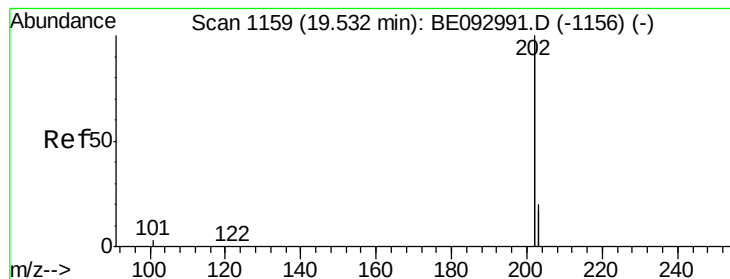


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.07 ng

RT: 19.53 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

LF017MW005-170509

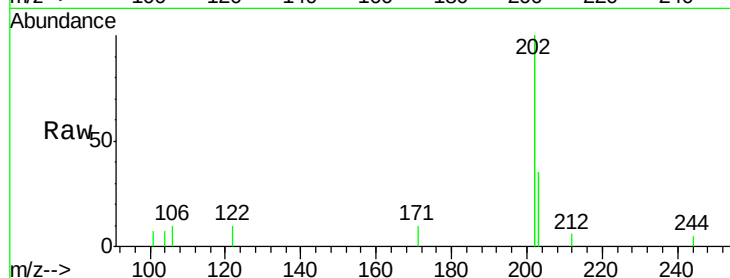
Tgt Ion:202 Resp: 4616

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

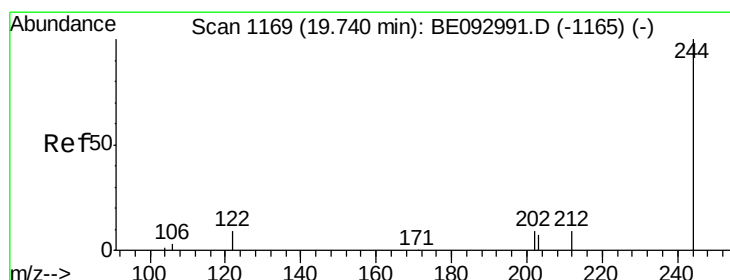
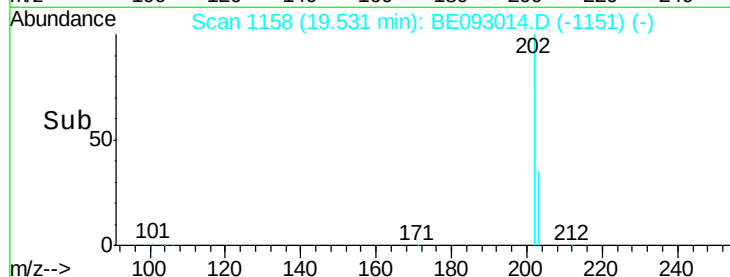
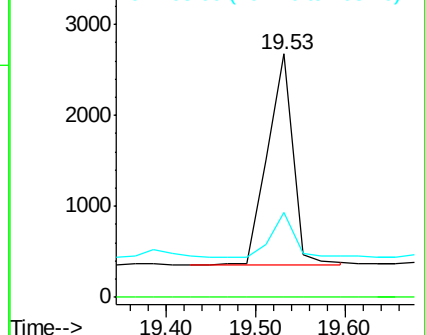
203 19.8 13.7 20.5



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: 0.55 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

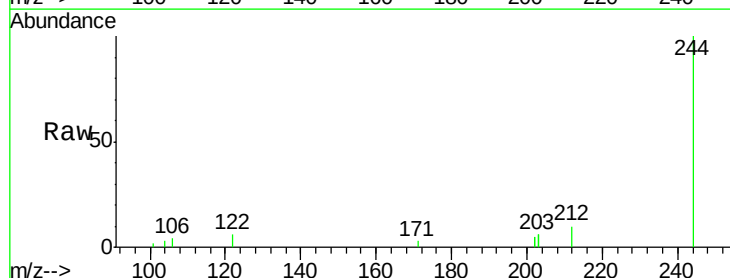
Tgt Ion:244 Resp: 5386

Ion Ratio Lower Upper

244 100

212 9.8 10.6 16.0#

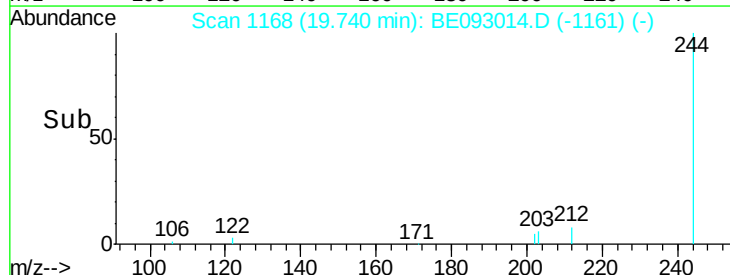
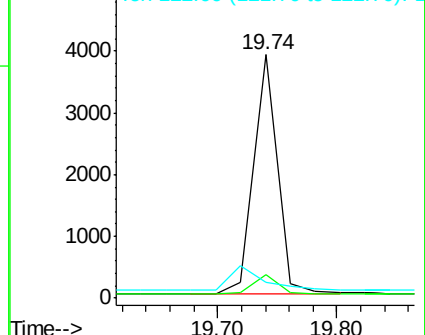
122 6.4 15.4 23.0#

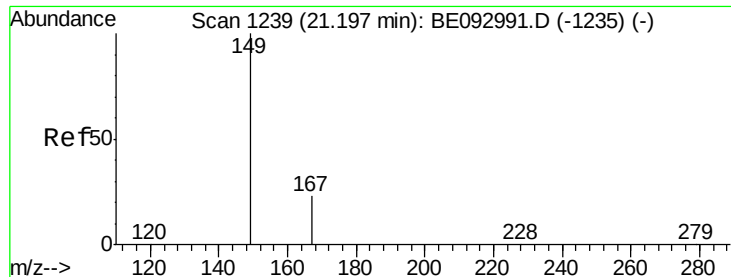


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.43 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

Instrument :

BNA_E

ClientSampleId :

LF017MW005-170509

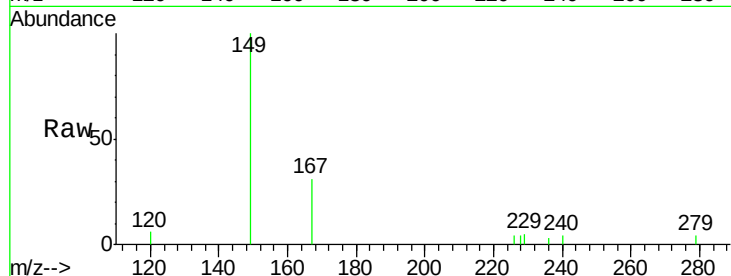
Tgt Ion:149 Resp: 2237

Ion Ratio Lower Upper

149 100

167 27.9 20.1 30.1

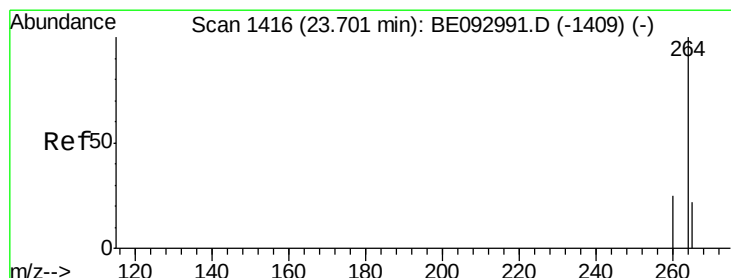
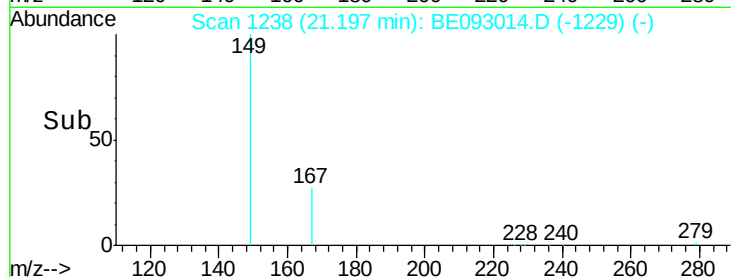
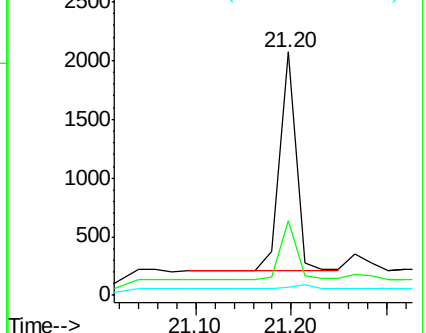
279 2.4 2.2 3.4



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: 23.69 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BE093014.D

Acq: 12 May 2017 12:44

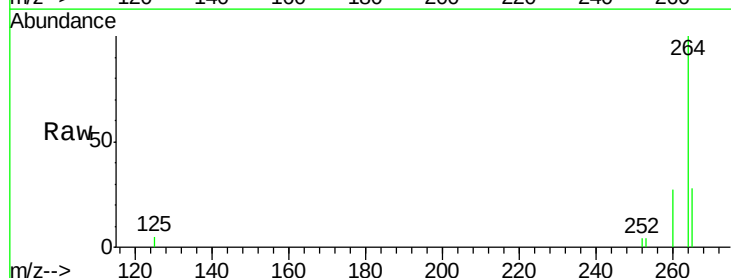
Tgt Ion:264 Resp: 4615

Ion Ratio Lower Upper

264 100

260 27.1 21.0 31.4

265 28.3 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

