

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051117\
 Data File : BE093002.D
 Acq On : 11 May 2017 18:47
 Operator : SJ/MA
 Sample : I3058-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF017MW003-170508

Quant Time: May 11 19:18:42 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	826	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3265	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1481	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4247	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4807	0.40	ng	0.00
34) Perylene-d12	23.69	264	4142	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	495	0.22	ng	0.00
5) Phenol-d6	6.92	99	462	0.16	ng	-0.02
8) Nitrobenzene-d5	8.88	82	990	0.39	ng	-0.02
11) 2-Methylnaphthalene-d10	12.12	152	1591	0.34	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	159	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2609	0.44	ng	0.00
25) Fluoranthene-d10	19.14	212	4230	0.38	ng	-0.02
29) Terphenyl-d14	19.74	244	4514	0.53	ng	0.00

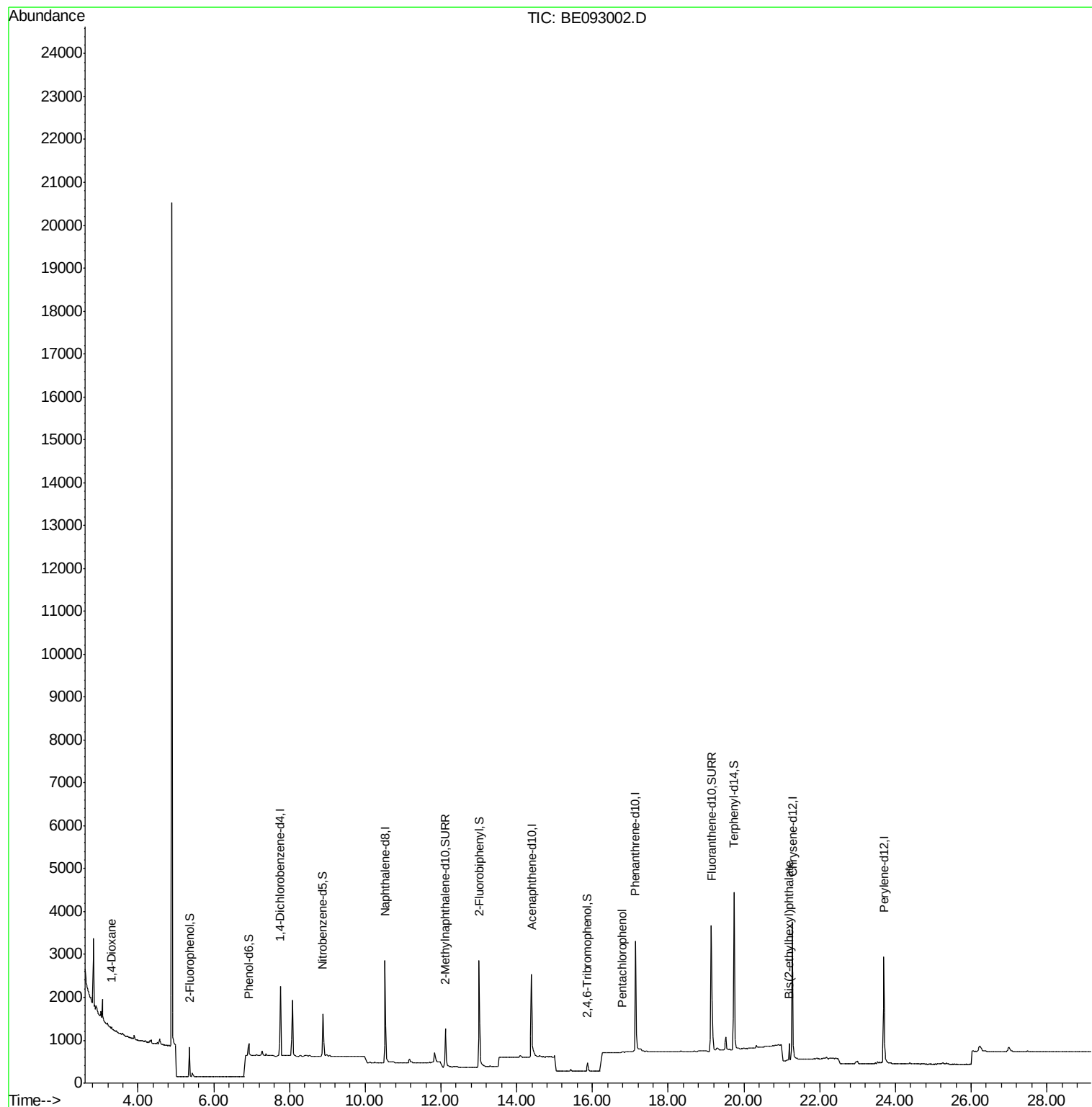
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	37	0.02	ng	# 1
21) Hexachlorobenzene	16.47	284	7	Below Cal		# 100
22) Pentachlorophenol	16.79	266	26	0.13	ng	# 89
23) Phenanthrene	17.19	178	116	Below Cal		# 72
32) Bis(2-ethylhexyl)phthalate	21.20	149	410	0.17	ng	# 97

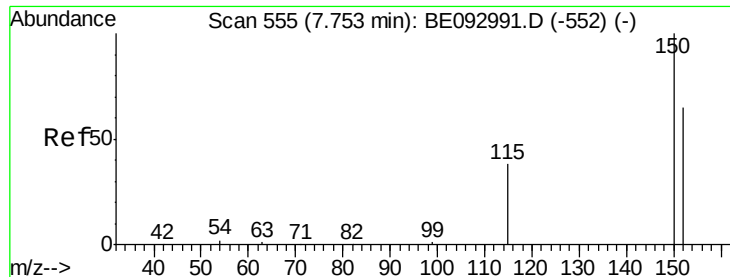
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

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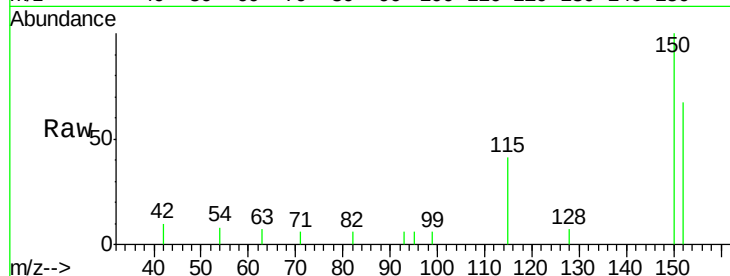
Tgt Ion: 152 Resp: 826

Ion Ratio Lower Upper

152 100

150 150.1 125.1 187.7

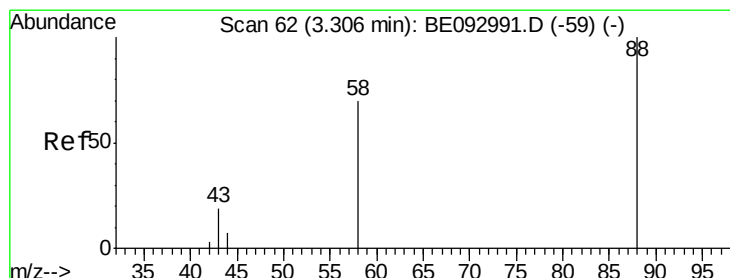
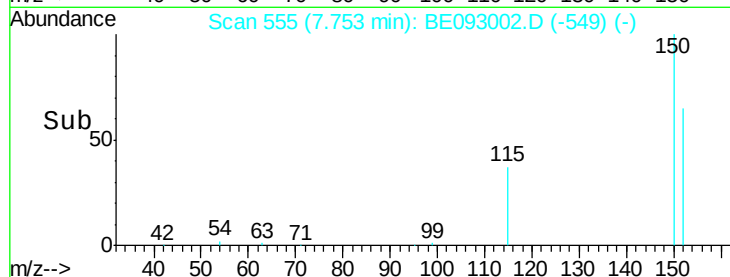
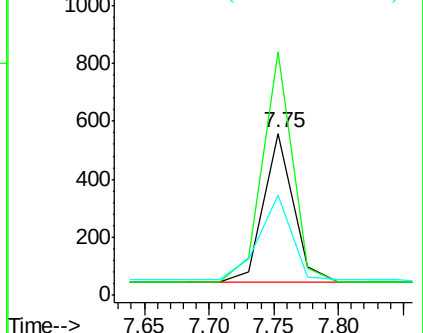
115 62.1 55.7 83.5



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: 0.02 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

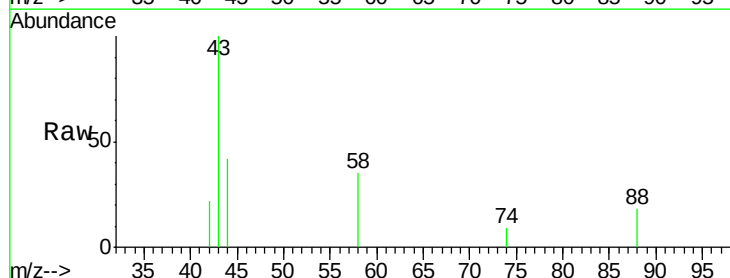
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

58 202.7 62.2 93.4#

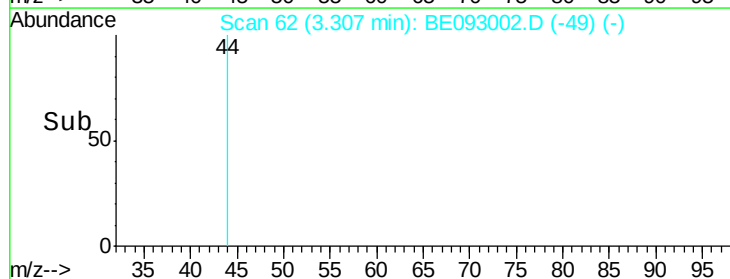
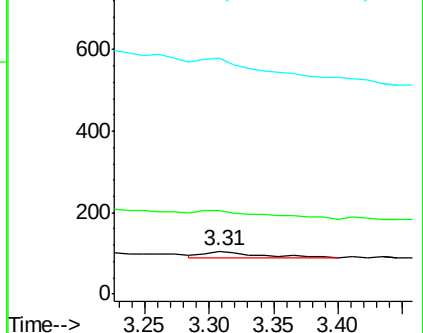
43 0.0 23.2 34.8#

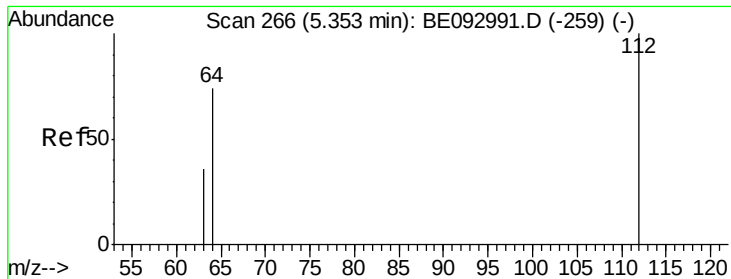


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.22 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093002.D

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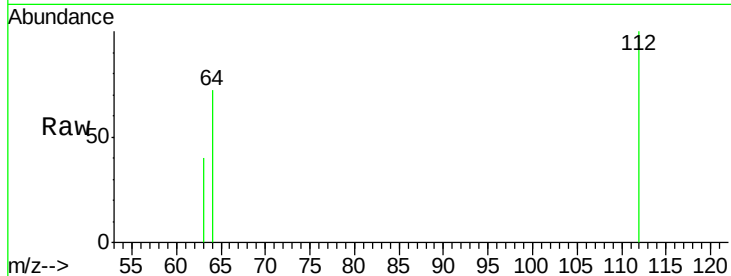
Tgt Ion: 112 Resp: 495

Ion Ratio Lower Upper

112 100

64 72.1 56.4 84.6

63 36.6 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

5.36

400

300

200

100

0

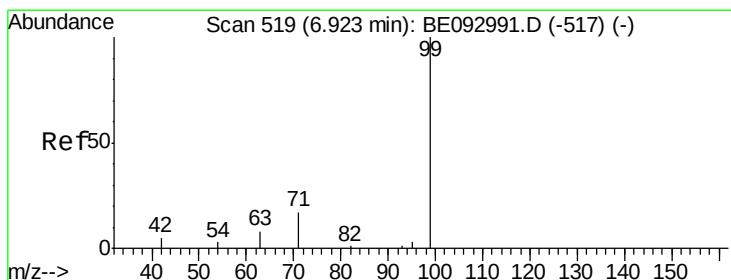
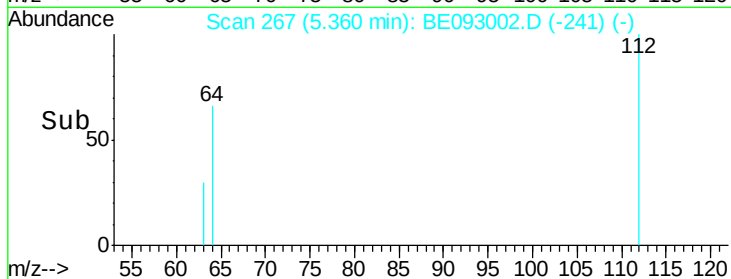
5.30

5.35

5.40

5.45

Time-->



#5

Phenol-d6

Concen: 0.16 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

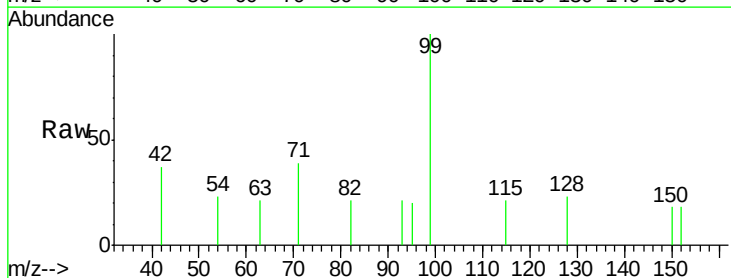
Tgt Ion: 99 Resp: 462

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

6.92

300

200

100

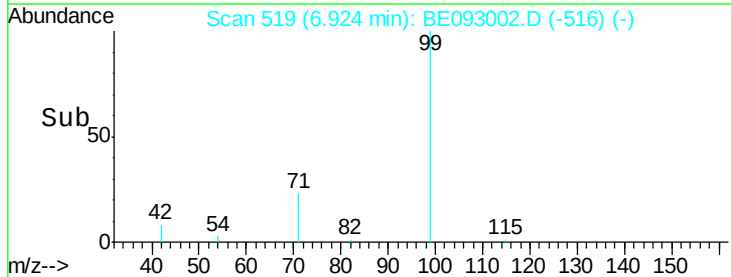
0

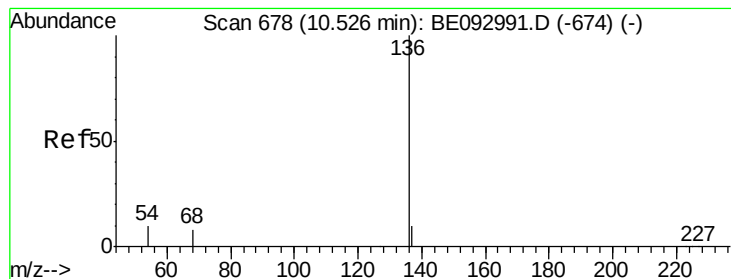
6.80

6.90

7.00

Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 3265

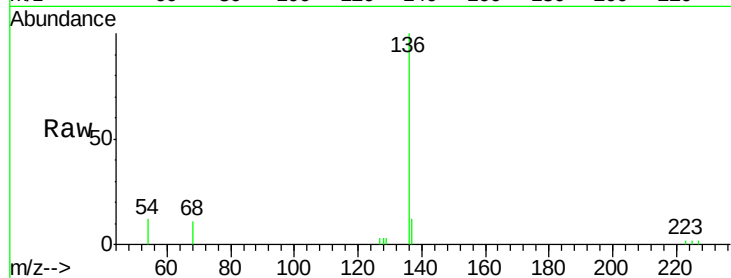
Ion Ratio Lower Upper

136 100

137 12.5 9.8 14.8

54 12.1 10.3 15.5

68 10.7 9.0 13.4

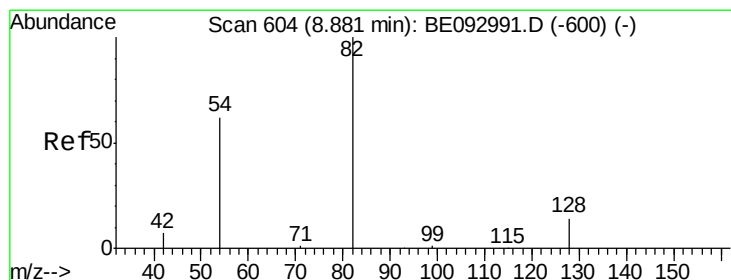
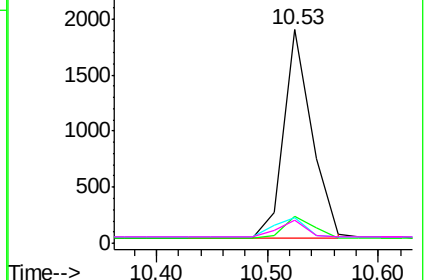
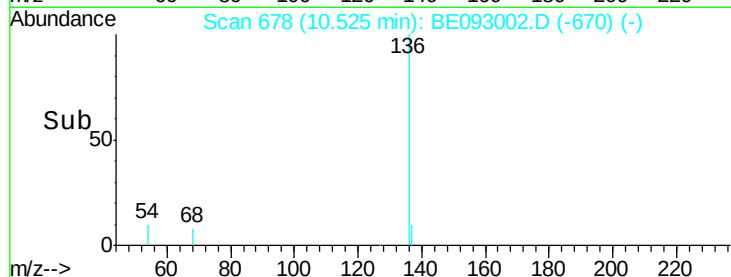


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.39 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

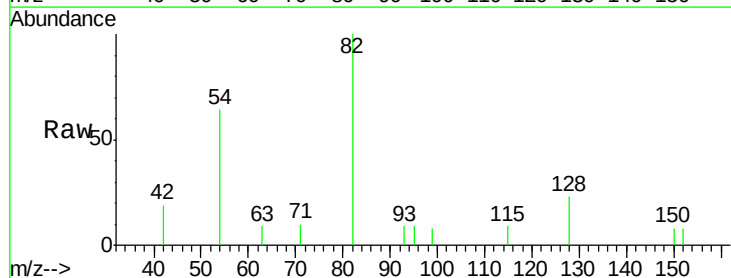
Tgt Ion: 82 Resp: 990

Ion Ratio Lower Upper

82 100

128 23.2 17.0 25.4

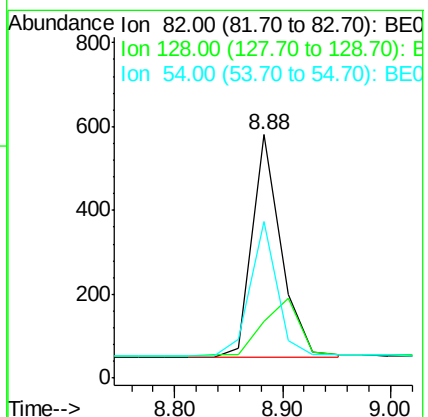
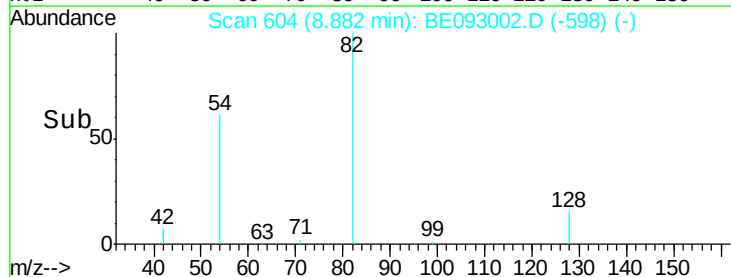
54 64.4 53.8 80.6

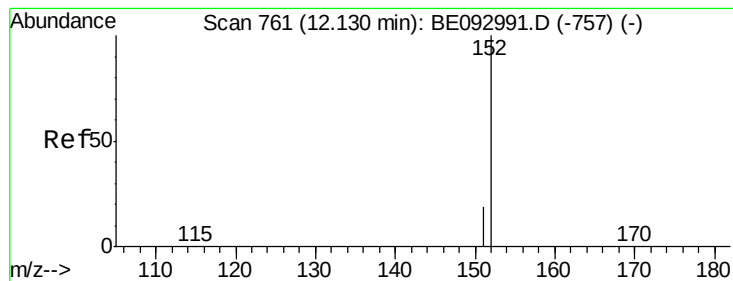


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.34 ng

RT: 12.12 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

Instrument :

BNA_E

ClientSampleId :

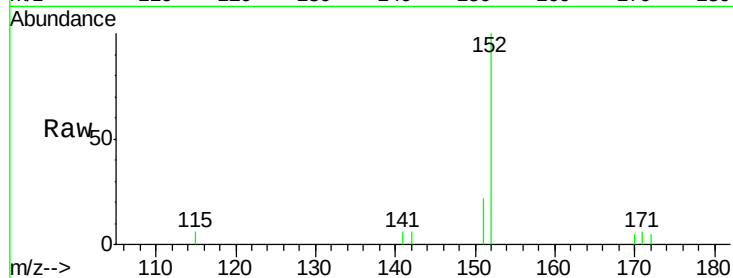
LF017MW003-170508

Tgt Ion:152 Resp: 1591

Ion Ratio Lower Upper

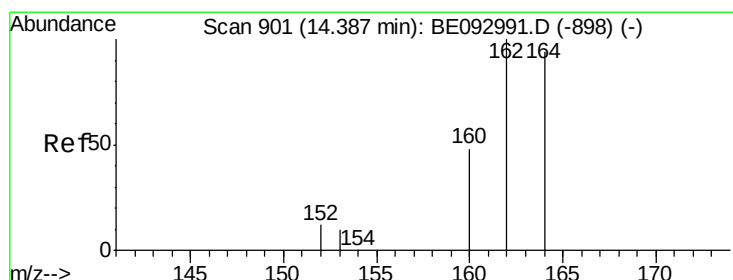
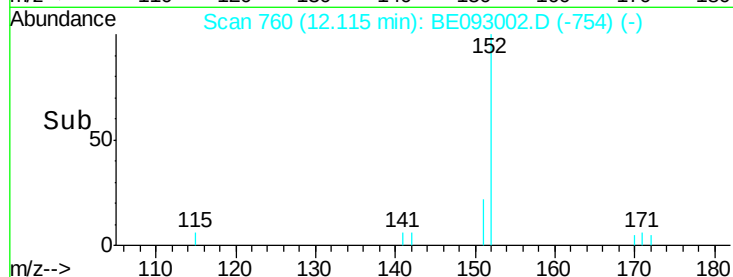
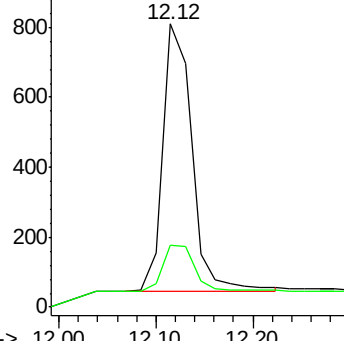
152 100

151 19.6 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: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

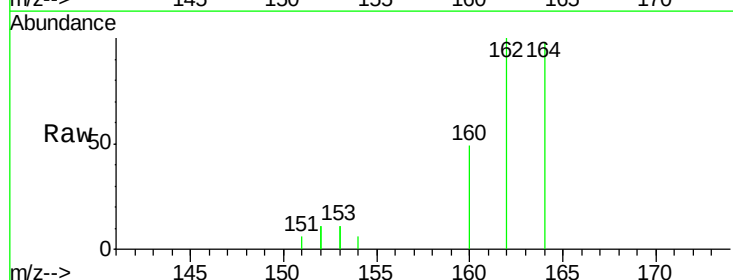
Tgt Ion:164 Resp: 1481

Ion Ratio Lower Upper

164 100

162 102.5 84.6 127.0

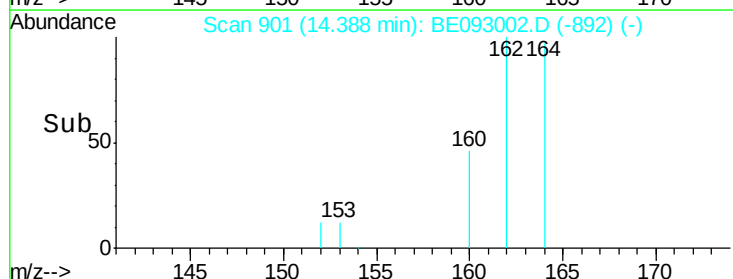
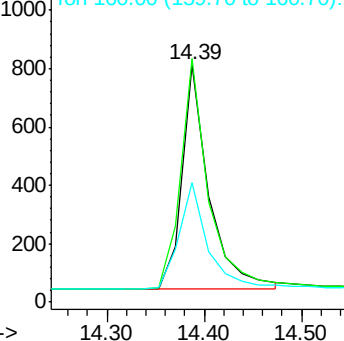
160 50.1 41.8 62.6

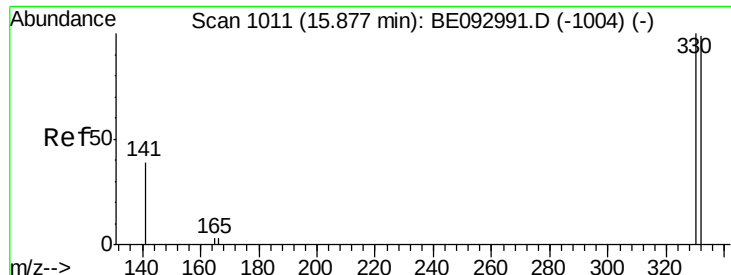


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

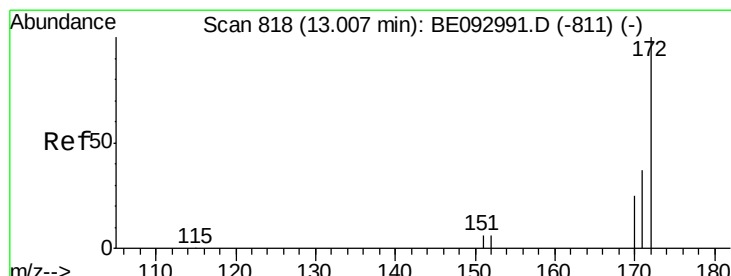
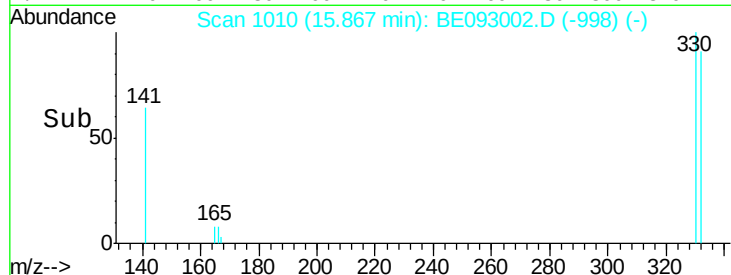
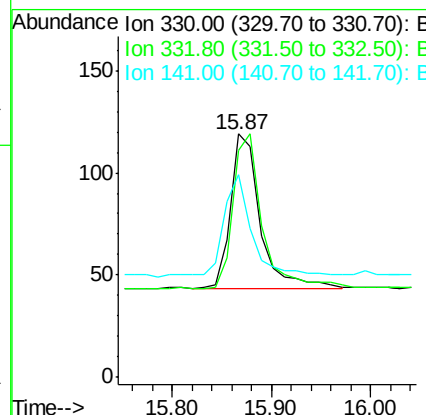
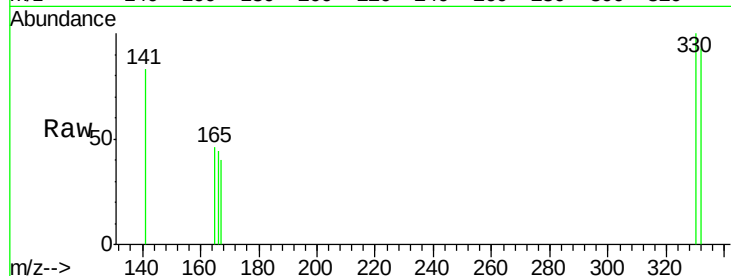




#14
 2,4,6-Tribromophenol
 Concen: 0.39 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093002.D
 Acq: 11 May 2017 18:47

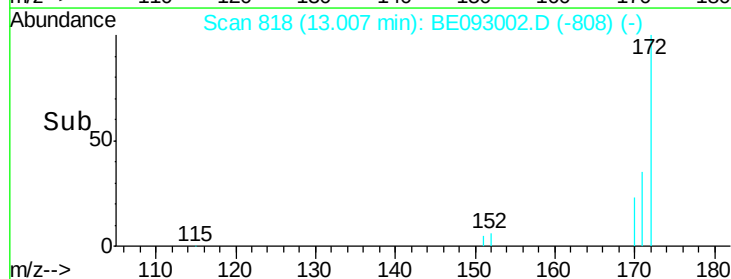
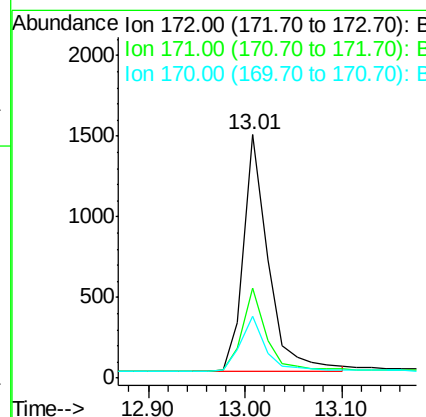
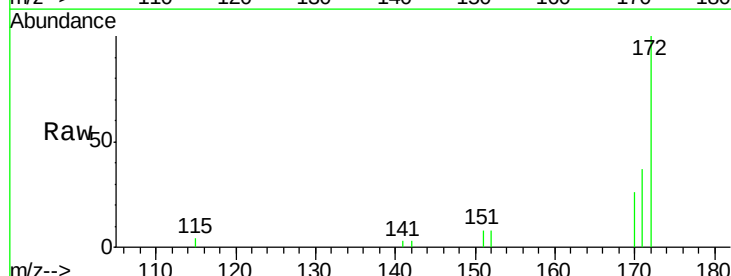
Instrument :
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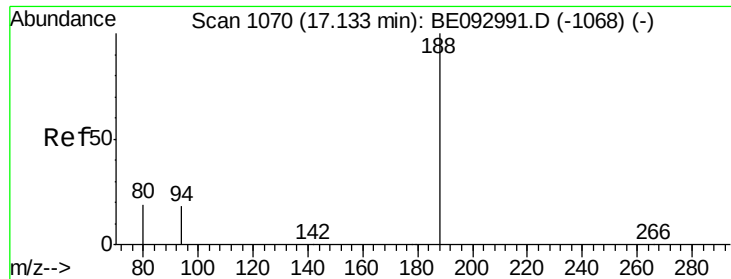
Tgt Ion: 330 Resp: 159
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.7 116.5
 141 63.5 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.44 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093002.D
 Acq: 11 May 2017 18:47

Tgt Ion: 172 Resp: 2609
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 25.6 20.7 31.1





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

Instrument :

BNA_E

ClientSampleId :

LF017MW003-170508

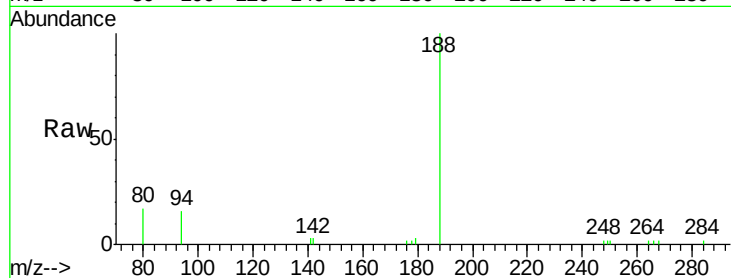
Tgt Ion:188 Resp: 4247

Ion Ratio Lower Upper

188 100

94 16.0 11.3 16.9

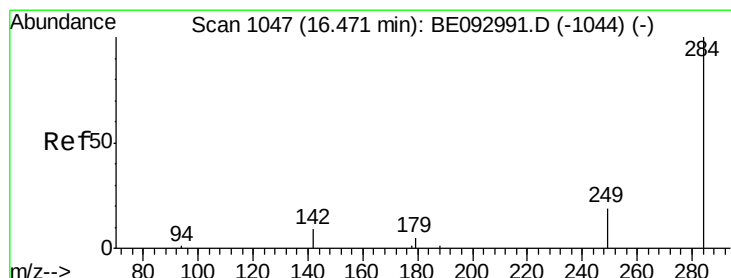
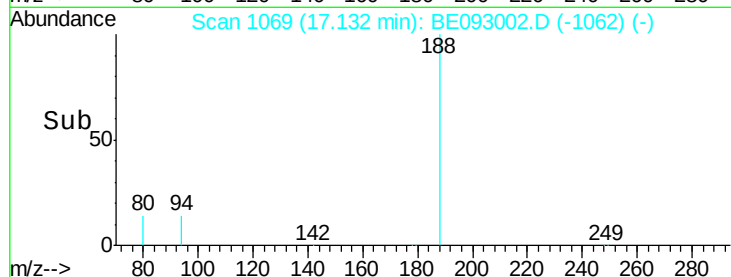
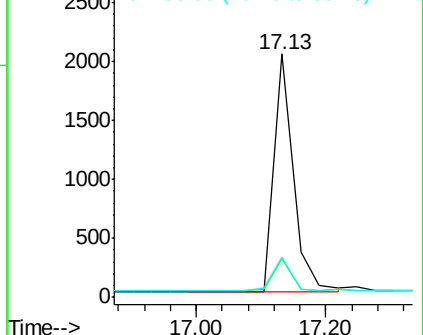
80 16.7 11.7 17.5



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. 0.01 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

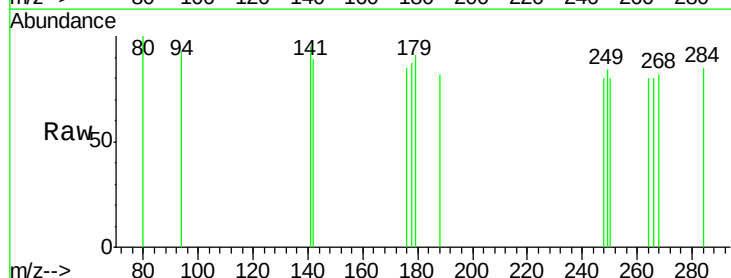
Tgt Ion:284 Resp: 7

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

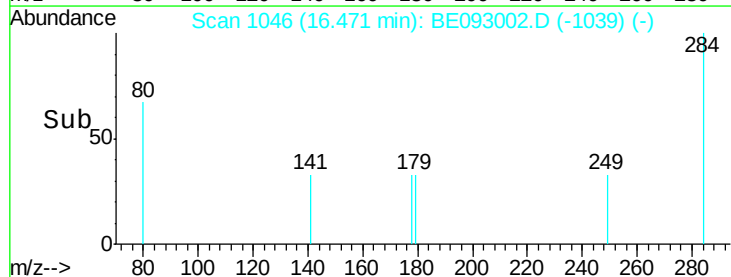
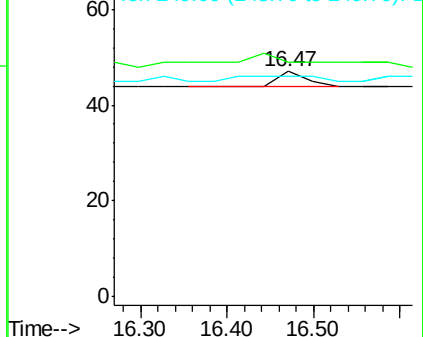
249 0.0 0.0 0.0

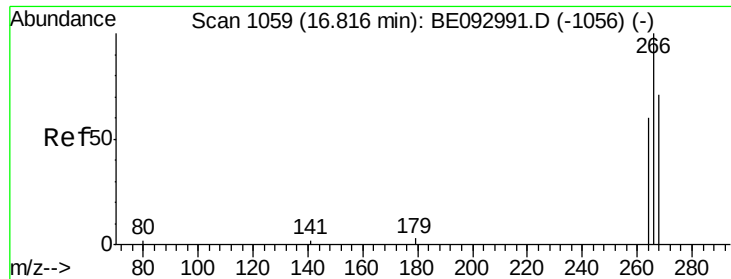


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.13 ng

RT: 16.79 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BE093002.D

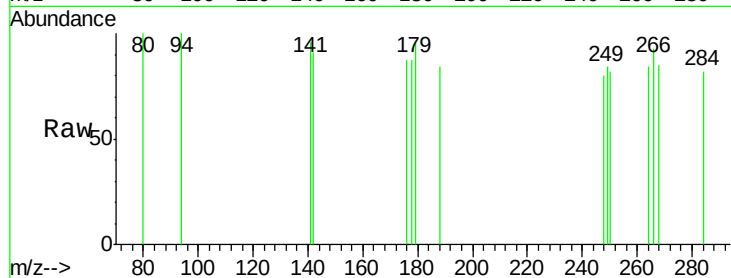
Acq: 11 May 2017 18:47

Instrument :

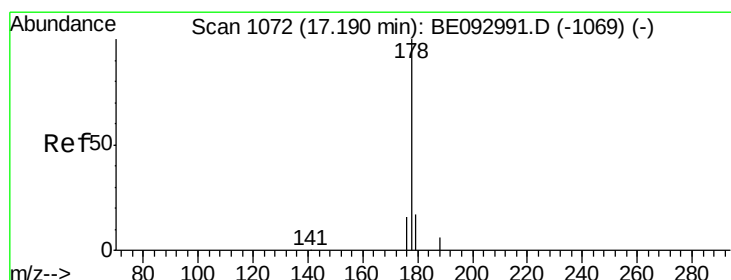
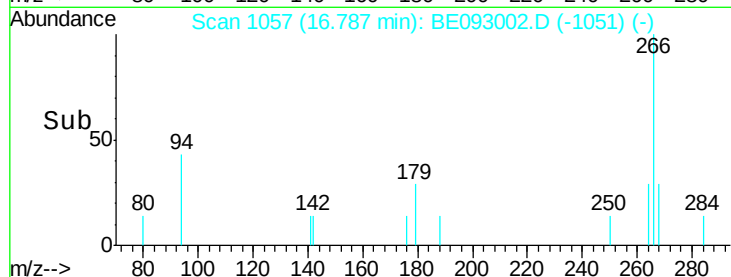
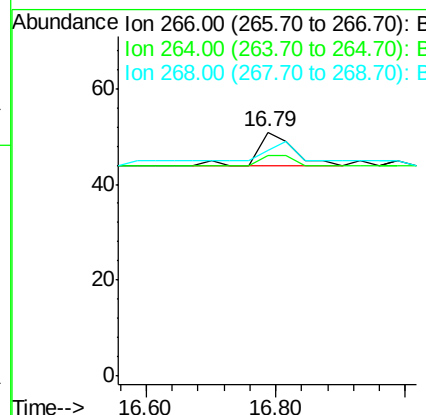
BNA_E

ClientSampleId :

LF017MW003-170508



Tgt Ion:	266	Resp:	26
Ion	Ratio	Lower	Upper
266	100		
264	90.2	58.2	87.2#
268	92.2	71.9	107.9



#23

Phenanthrene

Concen: Below Cal

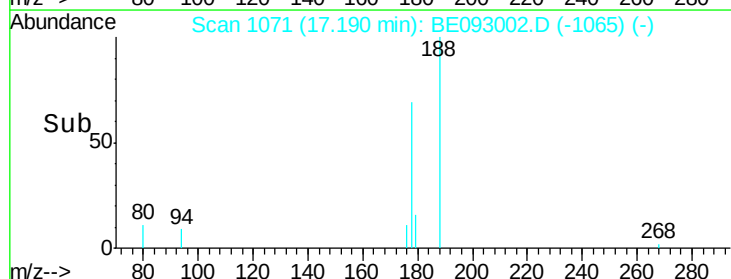
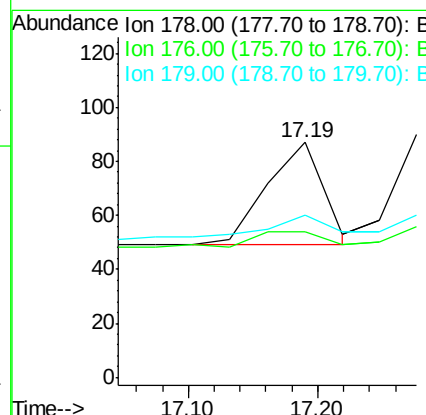
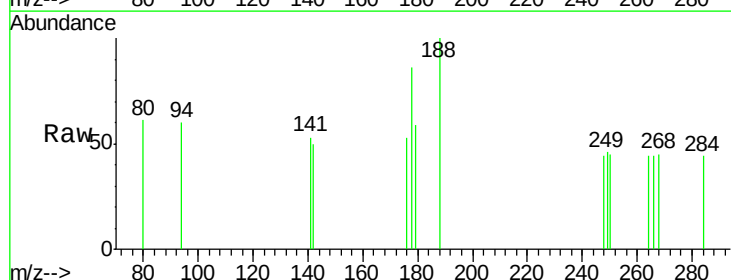
RT: 17.19 min Scan# 1071

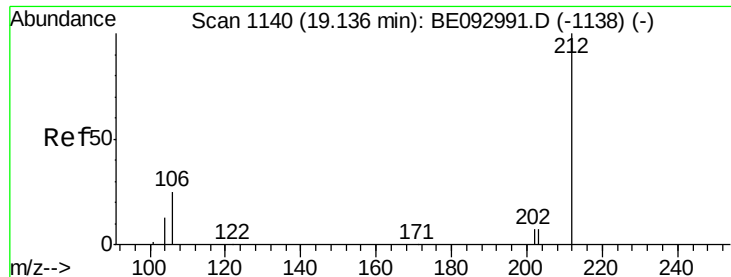
Delta R.T. 0.01 min

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Tgt Ion:	178	Resp:	116
Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	20.7	12.7	19.1#





#25

Fluoranthene-d10

Concen: 0.38 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

Instrument :

BNA_E

ClientSampleId :

LF017MW003-170508

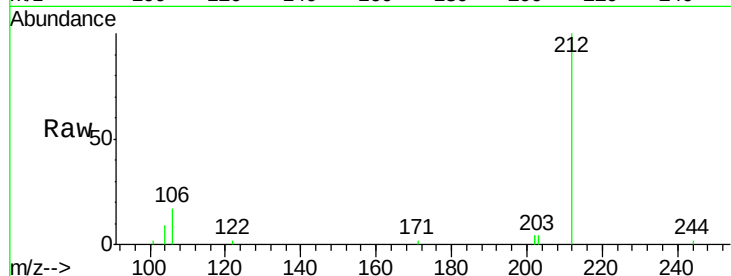
Tgt Ion:212 Resp: 4230

Ion Ratio Lower Upper

212 100

106 16.4 0.0 0.0#

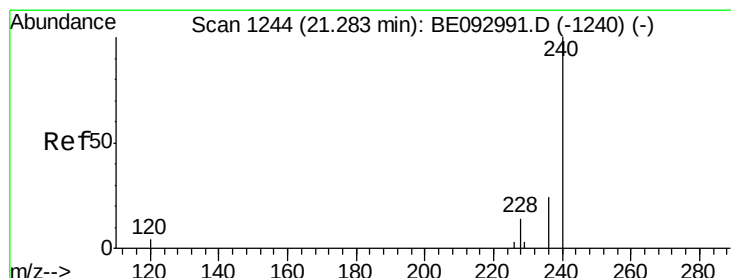
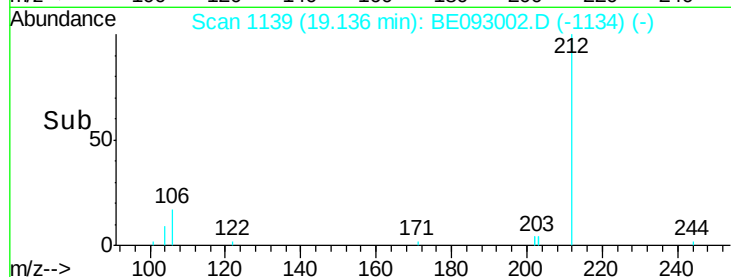
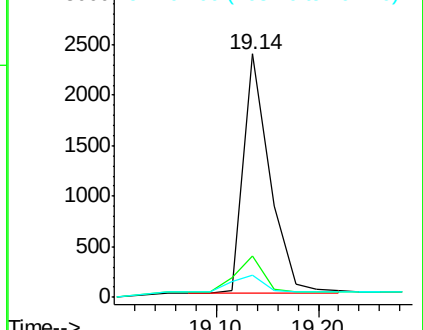
104 8.8 0.0 0.0#



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



#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.28 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

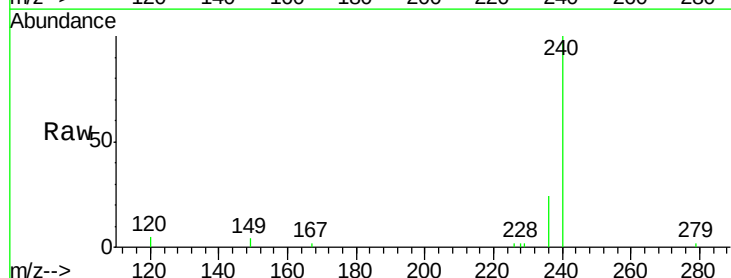
Tgt Ion:240 Resp: 4807

Ion Ratio Lower Upper

240 100

120 4.7 4.6 7.0

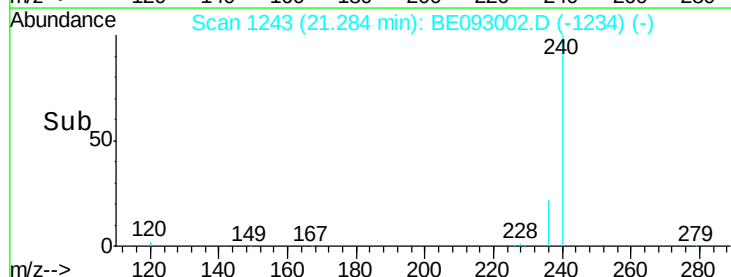
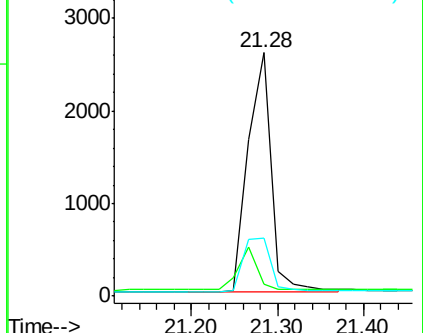
236 23.6 20.8 31.2

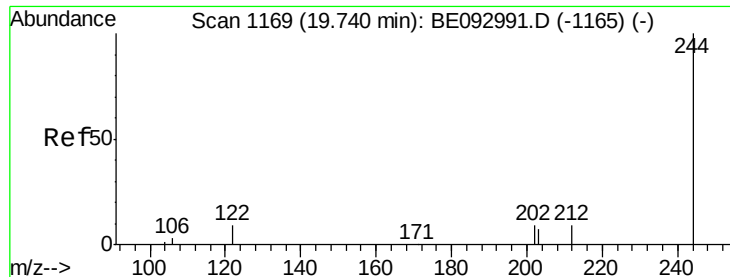


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.53 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

Instrument :

BNA_E

ClientSampleId :

LF017MW003-170508

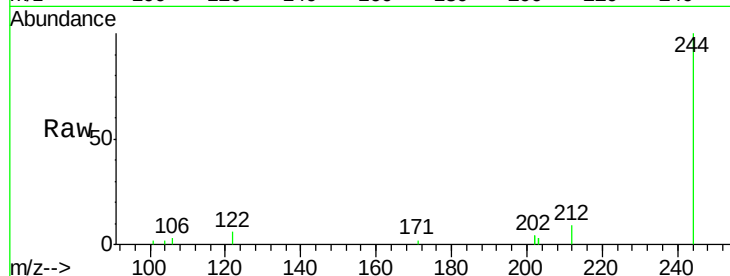
Tgt Ion:244 Resp: 4514

Ion Ratio Lower Upper

244 100

212 9.4 10.6 16.0#

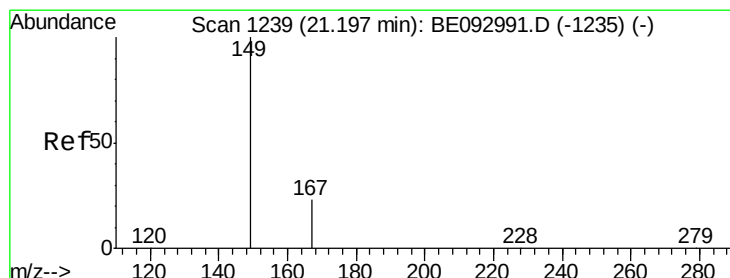
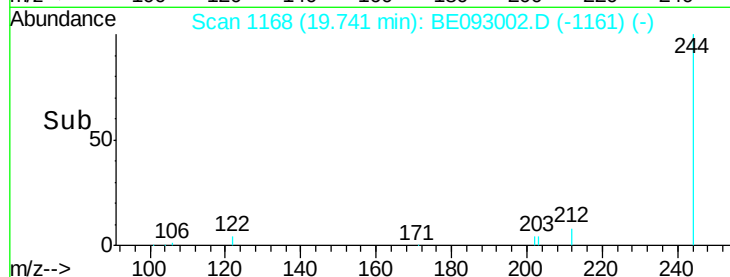
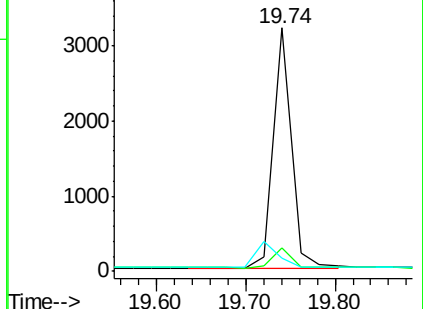
122 5.6 15.4 23.0#



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: 0.17 ng

RT: 21.20 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093002.D

Acq: 11 May 2017 18:47

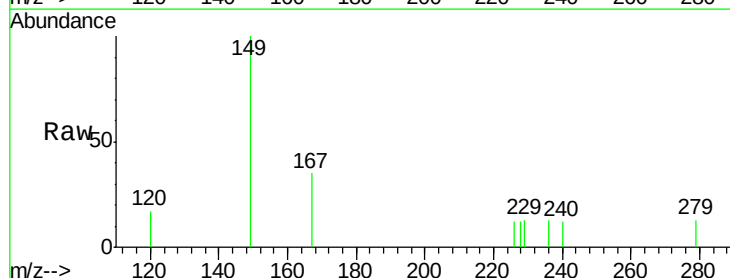
Tgt Ion:149 Resp: 410

Ion Ratio Lower Upper

149 100

167 26.6 20.1 30.1

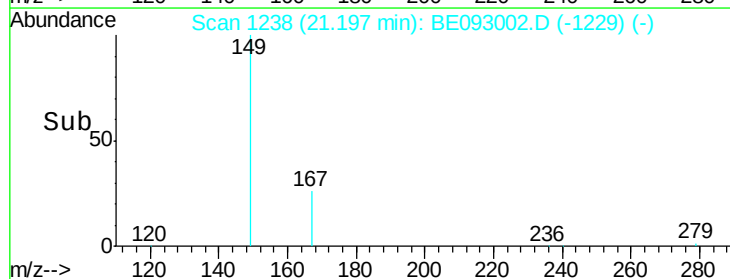
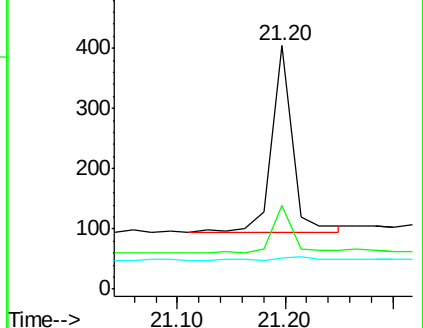
279 3.9 2.2 3.4#

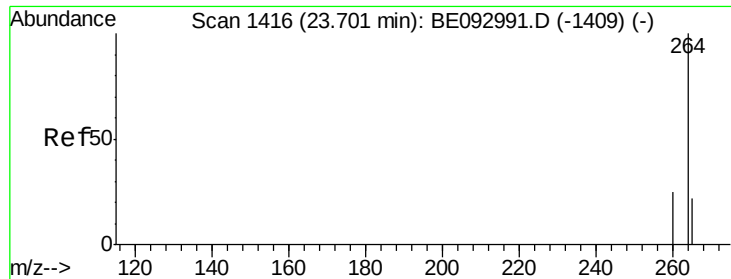


Abundance Ion 149.00 (148.70 to 149.70): E

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: BE093002.D

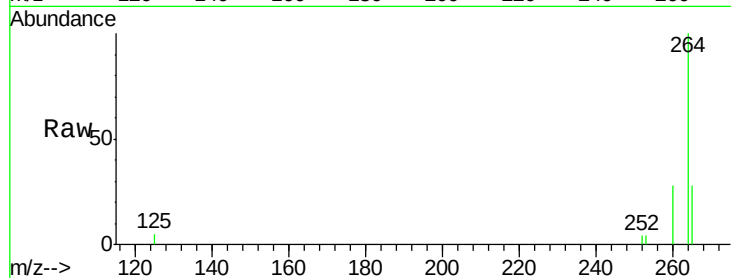
Acq: 11 May 2017 18:47

Instrument :

BNA_E

ClientSampleId :

LF017MW003-170508



Tgt Ion: 264 Resp: 4142

Ion Ratio Lower Upper

264 100

260 28.2 21.0 31.4

265 27.7 24.6 36.8

