

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051217\
 Data File : BE093020.D
 Acq On : 12 May 2017 16:25
 Operator : SJ/MA
 Sample : I3079-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP-0399-170509

Quant Time: May 12 17:24:19 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	845	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3544	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1740	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5331	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5294	0.40	ng	0.00
34) Perylene-d12	23.69	264	4480	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	134	0.06	ng	0.00
5) Phenol-d6	6.92	99	192	0.07	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1205	0.43	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1665	0.33	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	93	0.20	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	3222	0.47	ng	0.00
25) Fluoranthene-d10	19.14	212	4770	0.34	ng	-0.02
29) Terphenyl-d14	19.74	244	7518	0.80	ng	0.00

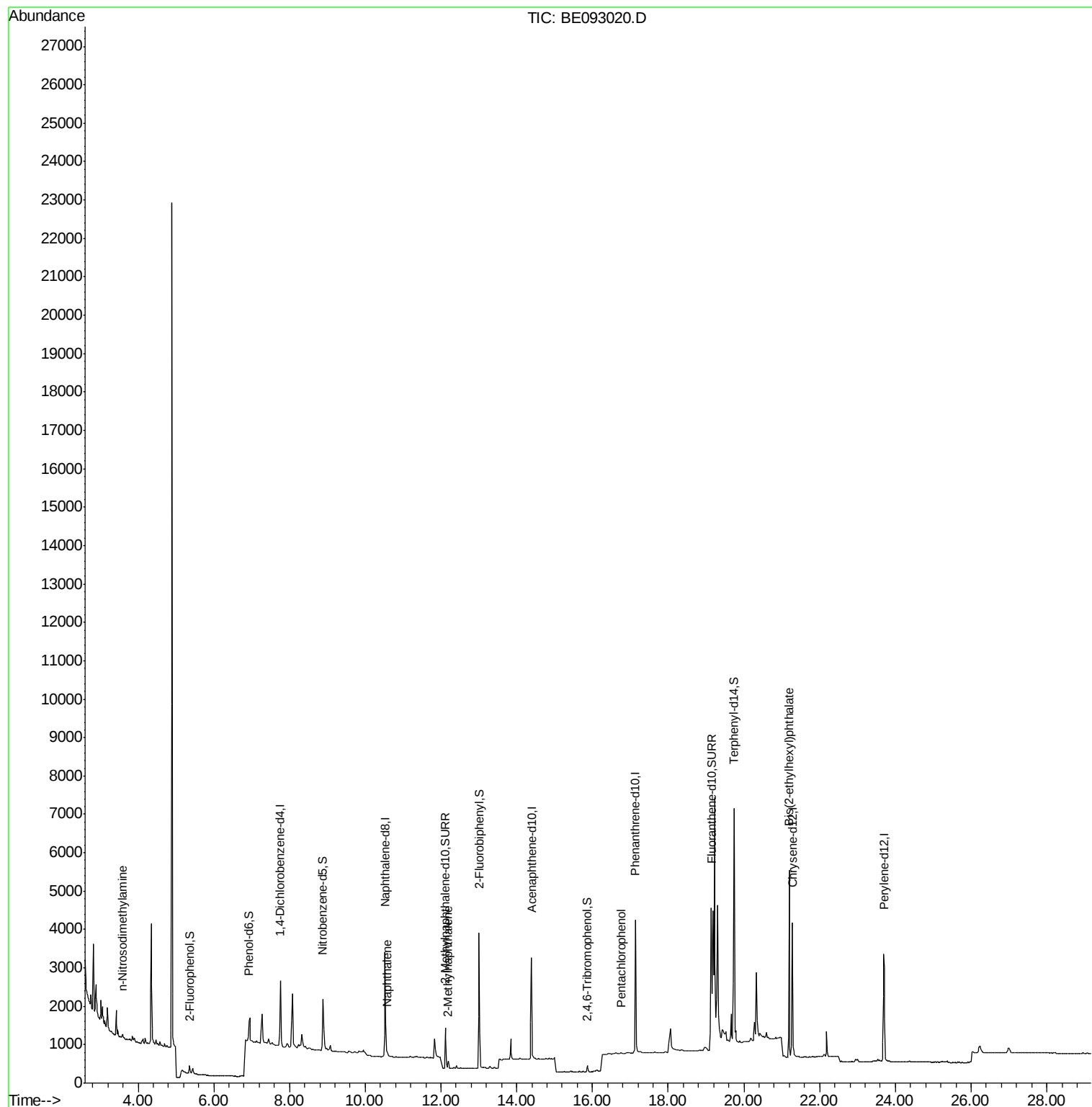
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.58	42	60	0.04	ng	# 1
9) Naphthalene	10.56	128	212	0.02	ng	# 34
12) 2-Methylnaphthalene	12.19	142	140	0.03	ng	# 88
21) Hexachlorobenzene	16.47	284	7	Below Cal		# 100
22) Pentachlorophenol	16.76	266	24	0.11	ng	# 76
23) Phenanthrene	17.16	178	97	Below Cal		# 73
32) Bis(2-ethylhexyl)phthalate	21.20	149	4584	0.80	ng	# 96

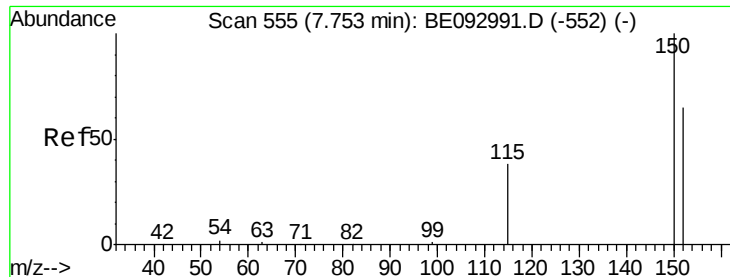
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093020.D

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BNA_E

ClientSampleId :

DUP-0399-170509

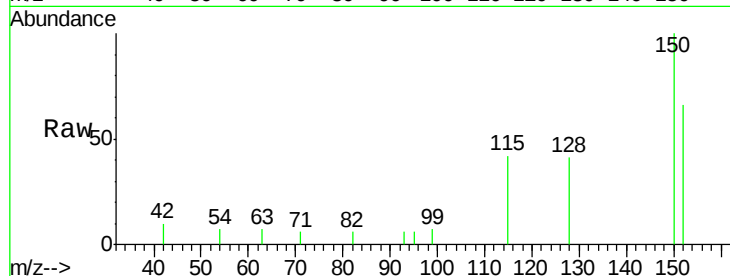
Tgt Ion: 152 Resp: 845

Ion Ratio Lower Upper

152 100

150 150.9 125.1 187.7

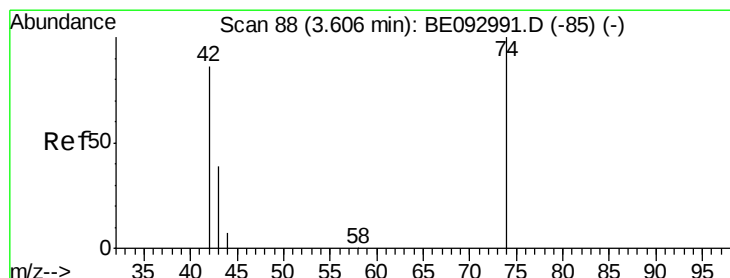
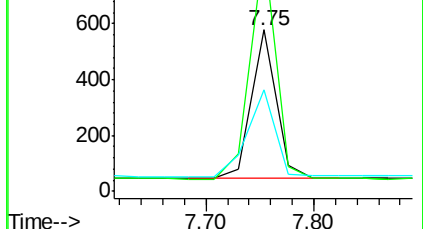
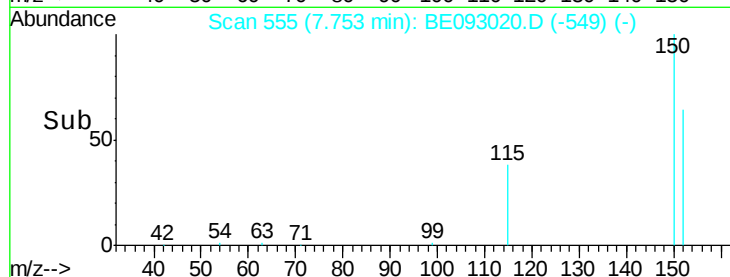
115 63.1 55.7 83.5



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



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.58 min Scan# 86

Delta R.T. -0.02 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

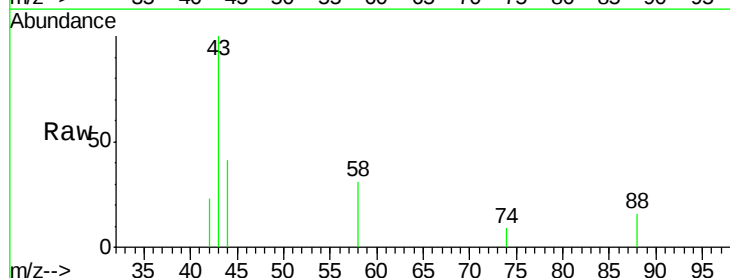
Tgt Ion: 42 Resp: 60

Ion Ratio Lower Upper

42 100

74 0.0 99.1 148.7#

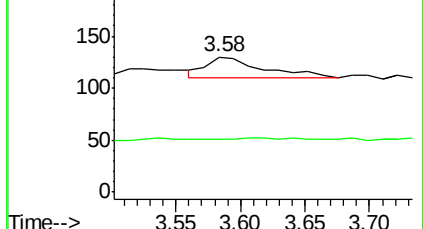
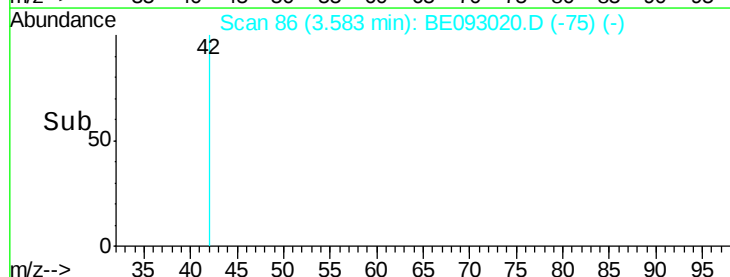
44 25.0 7.4 11.2#

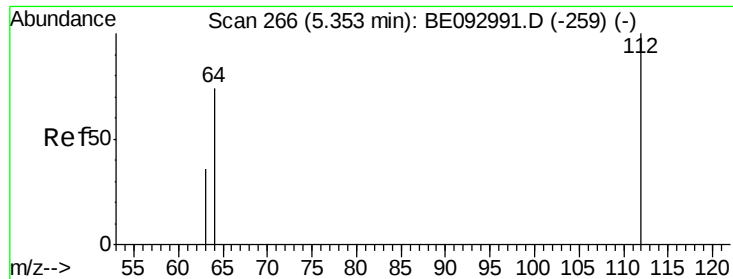


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.06 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

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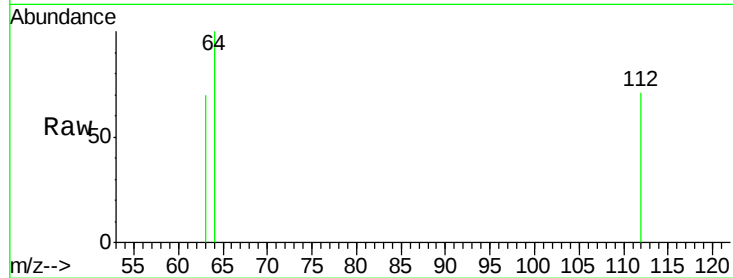
Tgt Ion: 112 Resp: 134

Ion Ratio Lower Upper

112 100

64 87.3 56.4 84.6#

63 53.7 29.3 43.9#



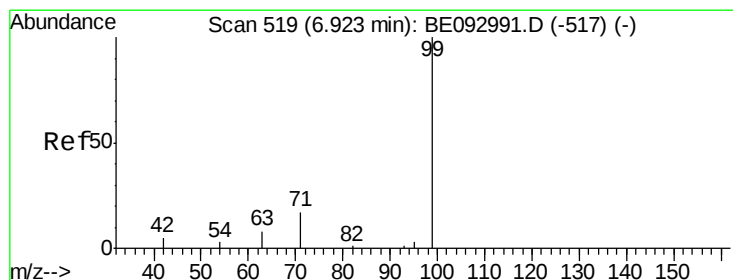
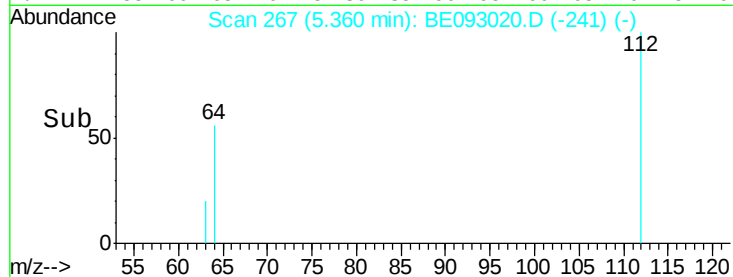
Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.36

Time-->



#5

Phenol-d6

Concen: 0.07 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

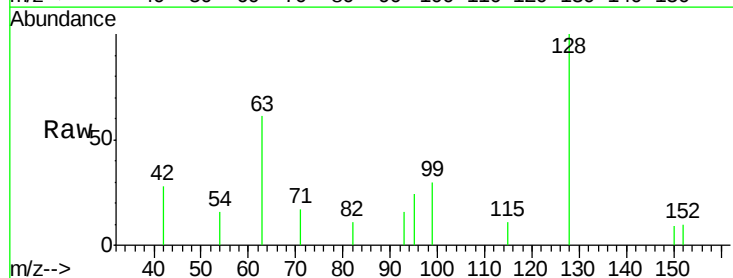
Tgt Ion: 99 Resp: 192

Ion Ratio Lower Upper

99 100

42 64.1 0.0 0.0#

71 0.0 0.0 0.0#



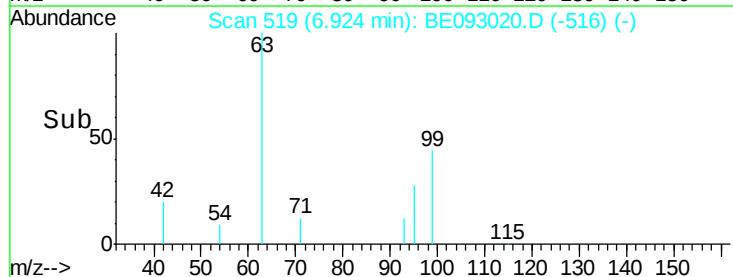
Abundance Ion 99.00 (98.70 to 99.70): BE0

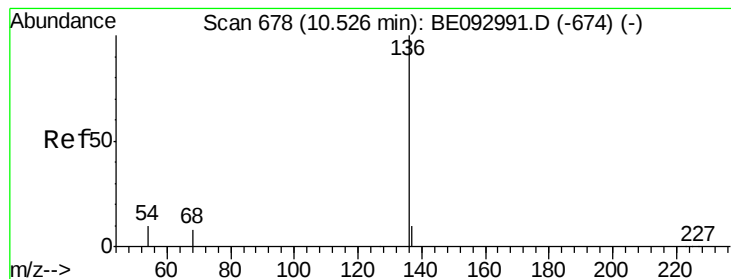
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.92

Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

DUP-0399-170509

Tgt Ion:136 Resp: 3544

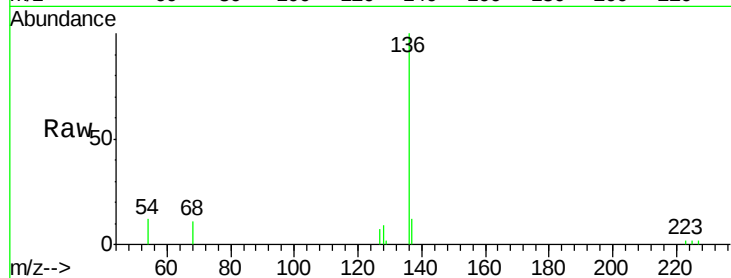
Ion Ratio Lower Upper

136 100

137 12.3 9.8 14.8

54 12.1 10.3 15.5

68 11.4 9.0 13.4

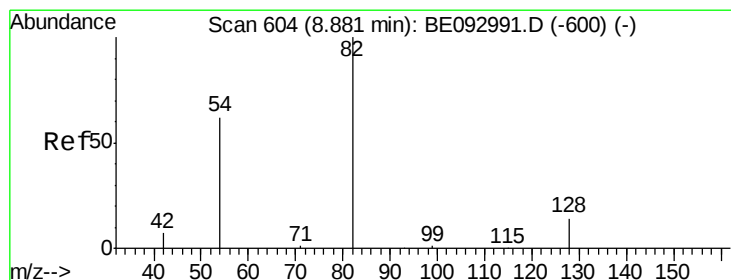
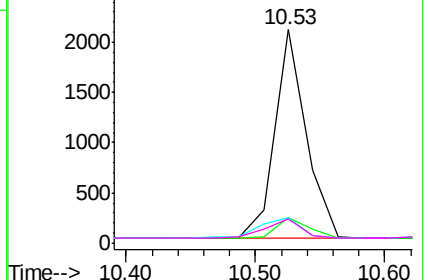
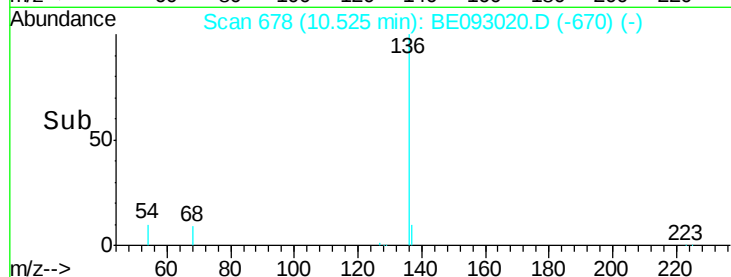


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.43 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

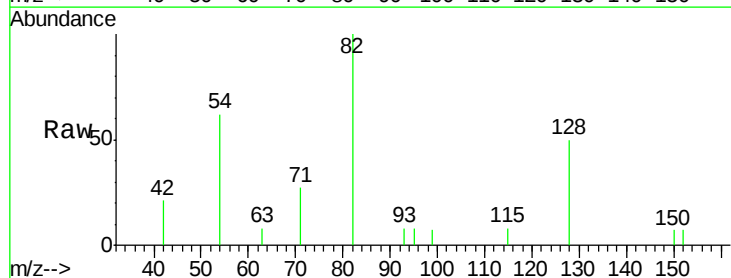
Tgt Ion: 82 Resp: 1205

Ion Ratio Lower Upper

82 100

128 50.4 17.0 25.4#

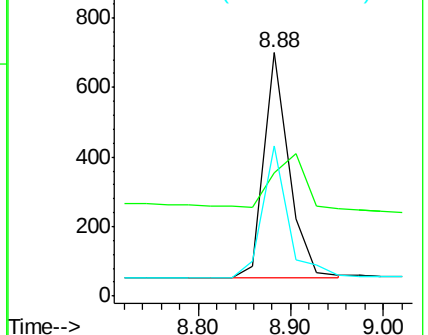
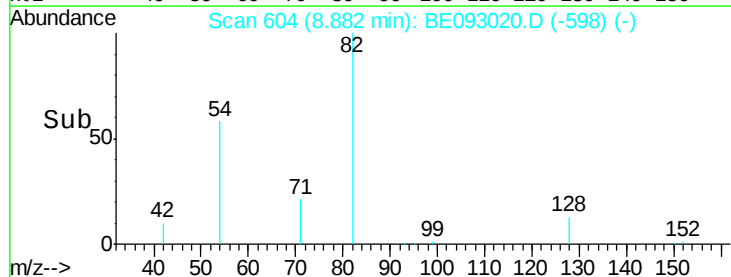
54 61.6 53.8 80.6

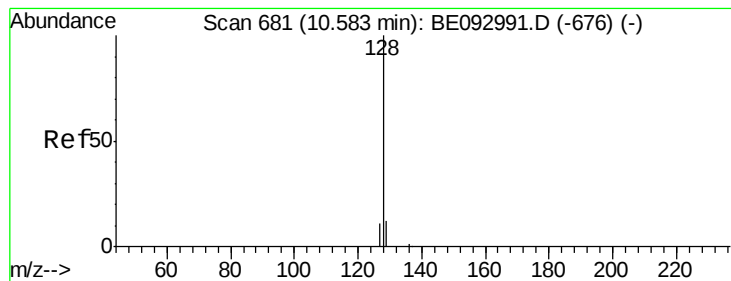


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.02 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

DUP-0399-170509

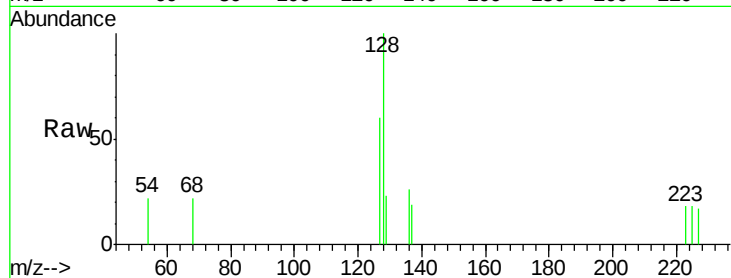
Tgt Ion:128 Resp: 212

Ion Ratio Lower Upper

128 100

129 22.6 11.4 17.0#

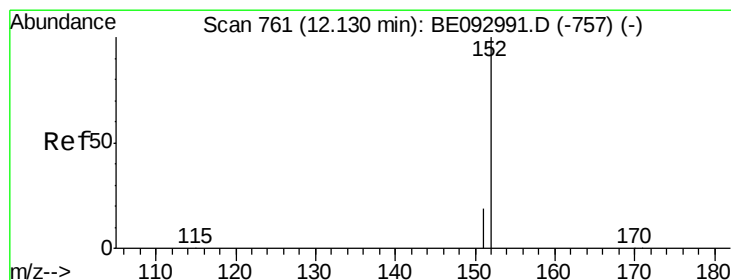
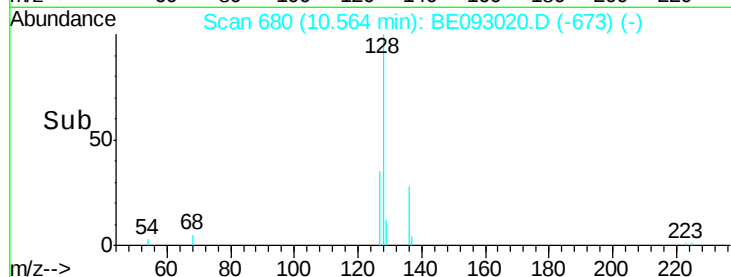
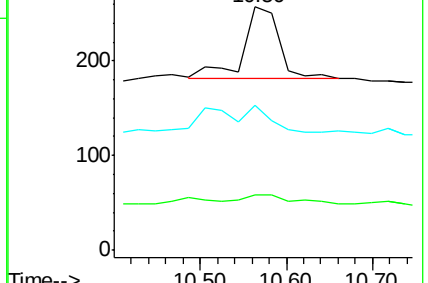
127 59.5 11.2 16.8#



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: 0.33 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093020.D

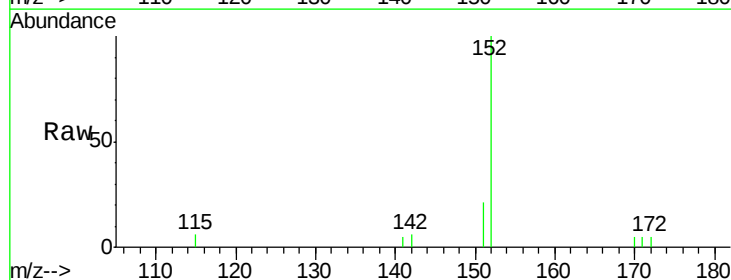
Acq: 12 May 2017 16:25

Tgt Ion:152 Resp: 1665

Ion Ratio Lower Upper

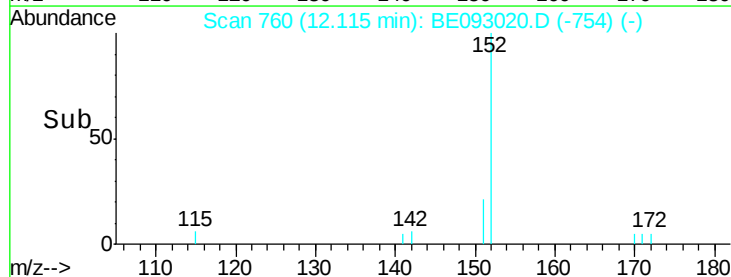
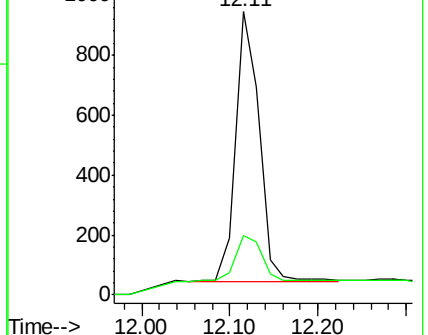
152 100

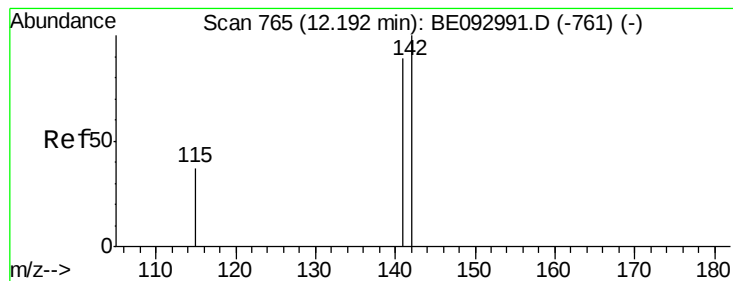
151 18.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.03 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

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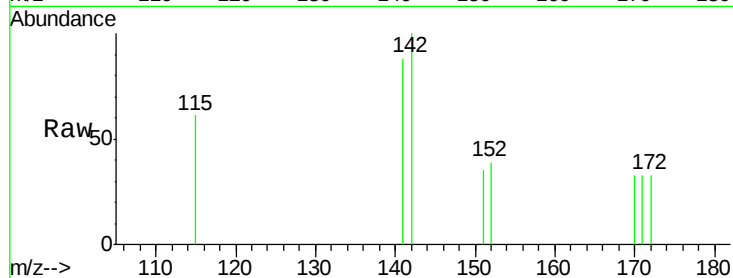
Tgt Ion:142 Resp: 140

Ion Ratio Lower Upper

142 100

141 88.3 72.6 108.8

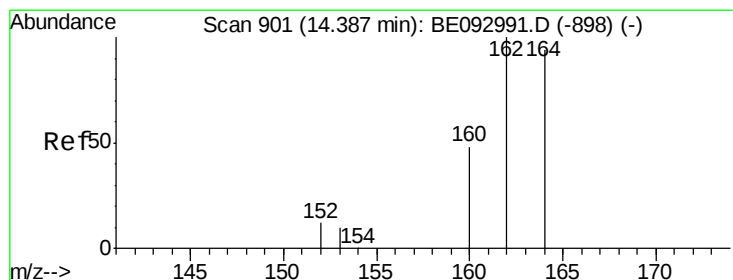
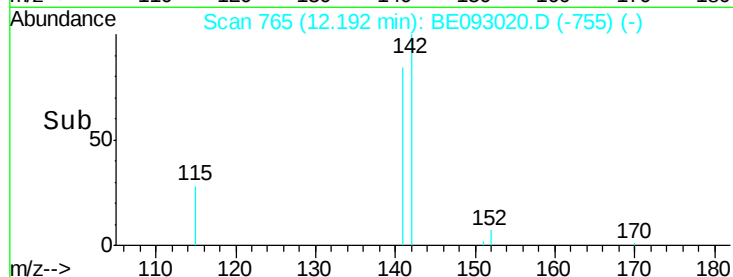
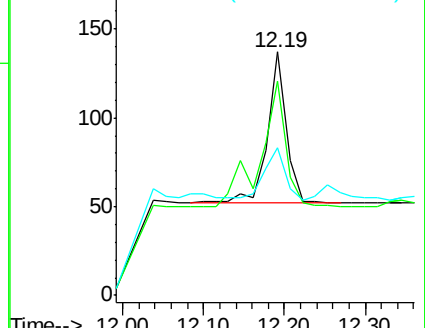
115 60.6 32.2 48.2#



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



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

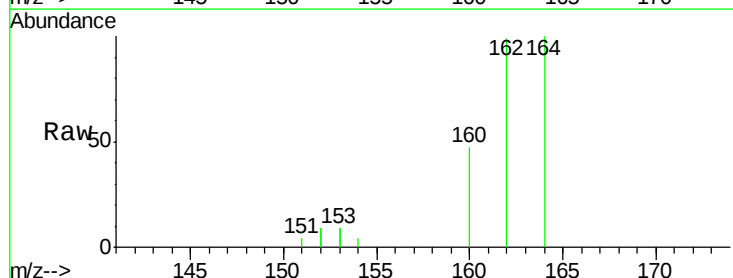
Tgt Ion:164 Resp: 1740

Ion Ratio Lower Upper

164 100

162 99.1 84.6 127.0

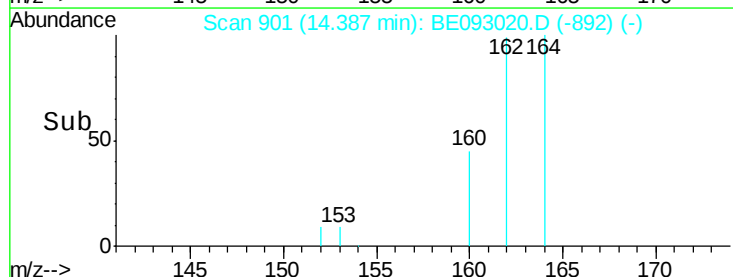
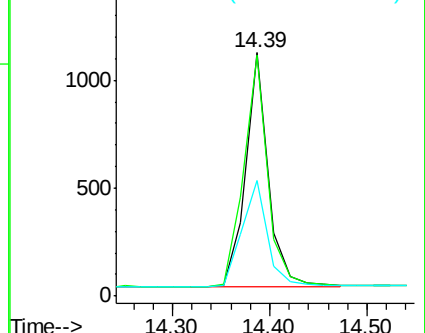
160 47.4 41.8 62.6

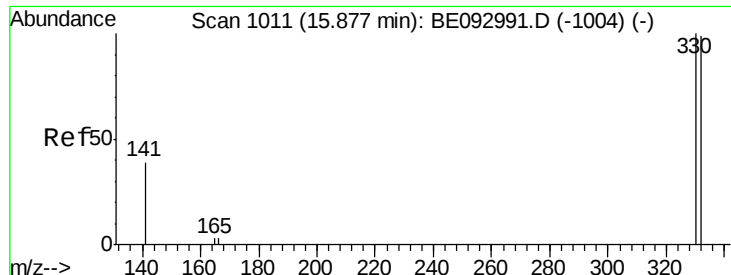


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

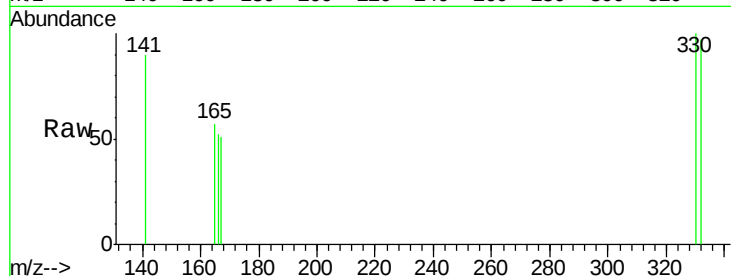




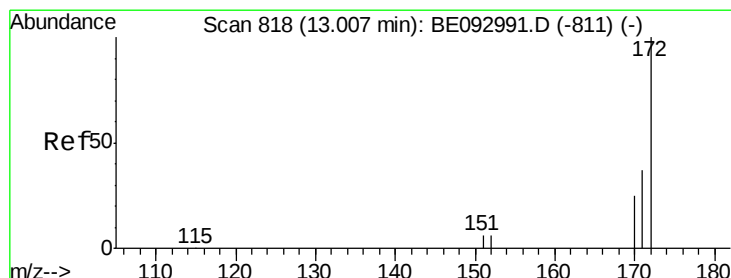
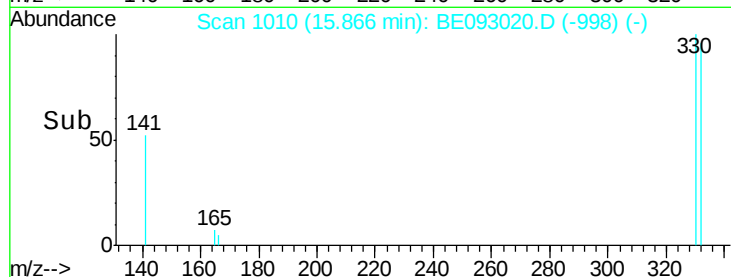
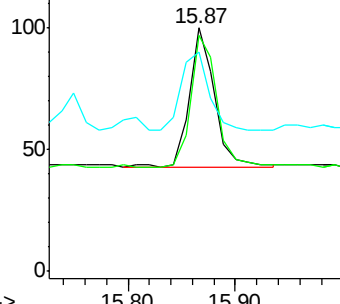
#14
 2,4,6-Tribromophenol
 Concen: 0.20 ng
 RT: 15.87 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BE093020.D
 Acq: 12 May 2017 16:25

Instrument :
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 DUP-0399-170509

Tgt Ion: 330 Resp: 93
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.7 116.5
 141 61.3 56.2 84.4

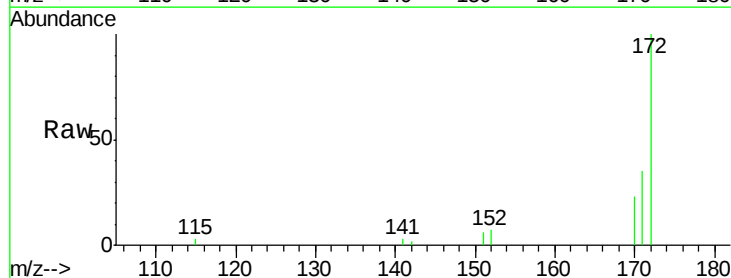


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

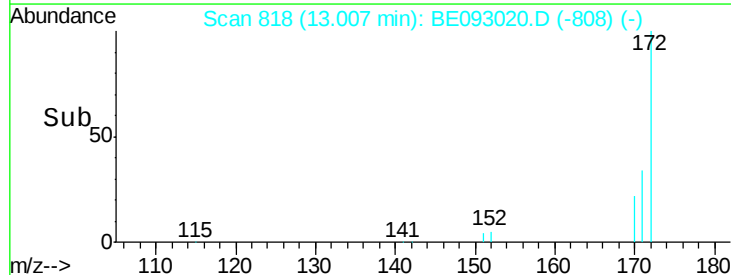
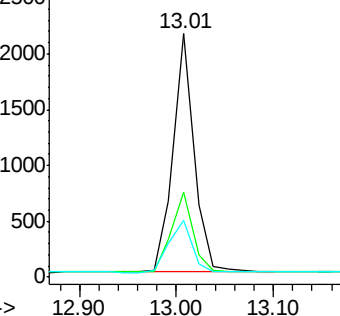


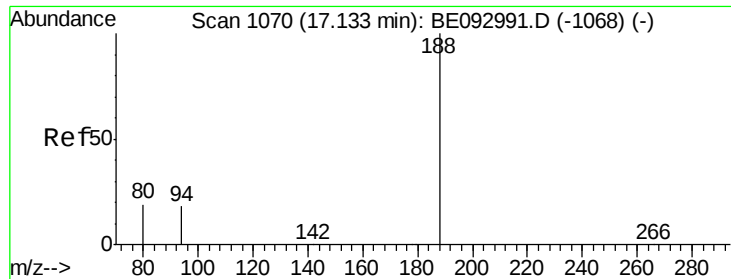
#15
 2-Fluorobiphenyl
 Concen: 0.47 ng
 RT: 13.01 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE093020.D
 Acq: 12 May 2017 16:25

Tgt Ion: 172 Resp: 3222
 Ion Ratio Lower Upper
 172 100
 171 35.1 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# 1070

Delta R.T. -0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

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DUP-0399-170509

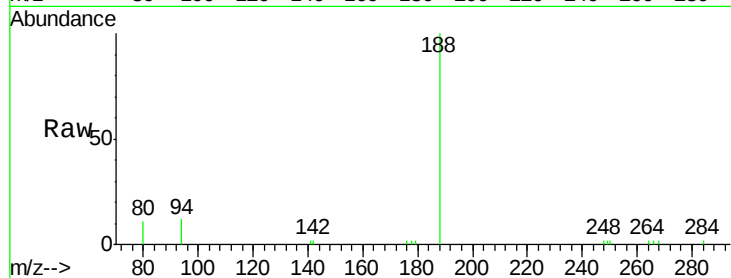
Tgt Ion:188 Resp: 5331

Ion Ratio Lower Upper

188 100

94 11.7 11.3 16.9

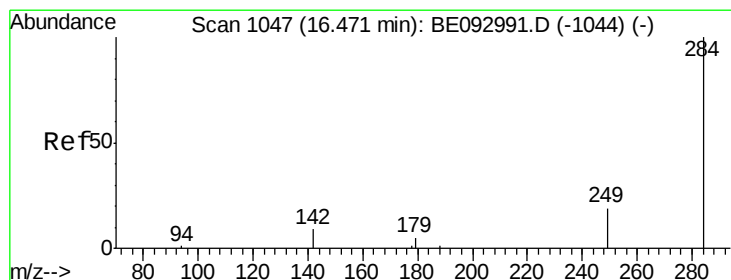
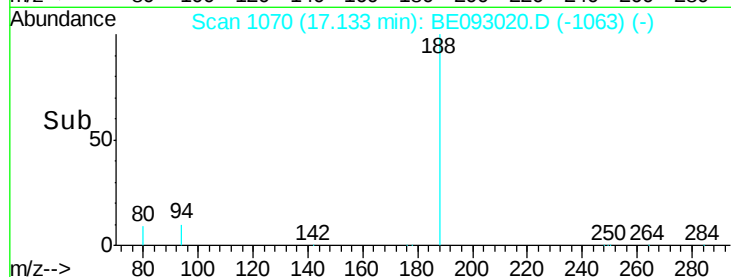
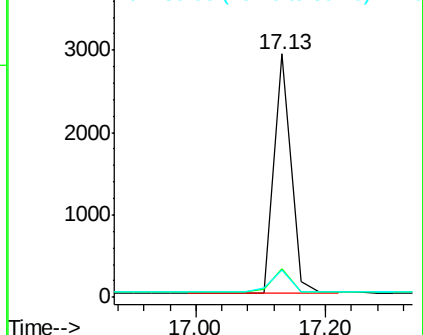
80 11.4 11.7 17.5#



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# 1047

Delta R.T. 0.01 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

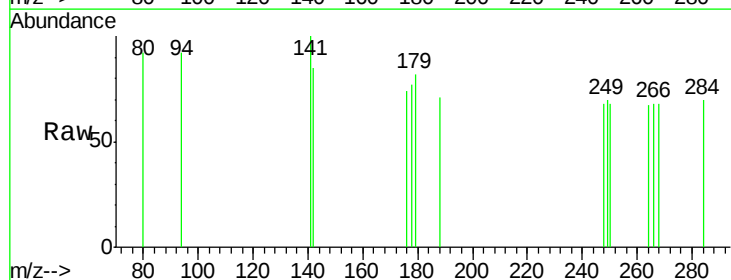
Tgt Ion:284 Resp: 7

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

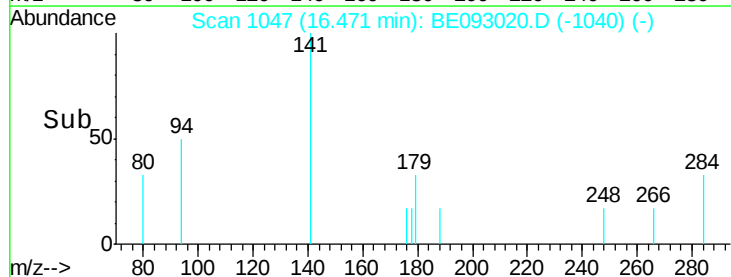
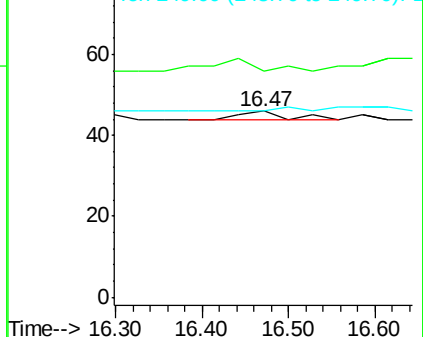
249 0.0 0.0 0.0

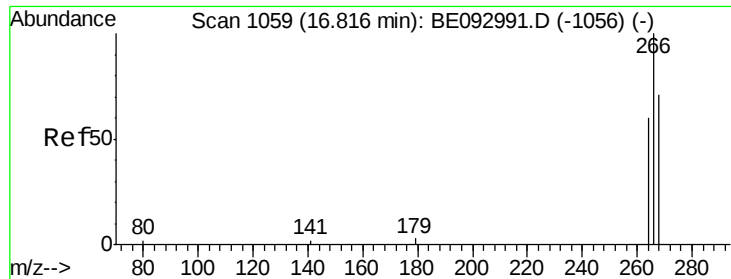


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.11 ng

RT: 16.76 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

DUP-0399-170509

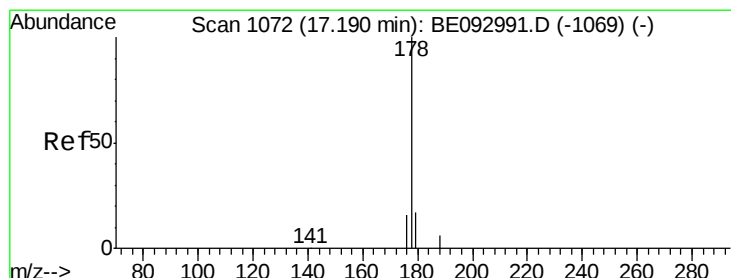
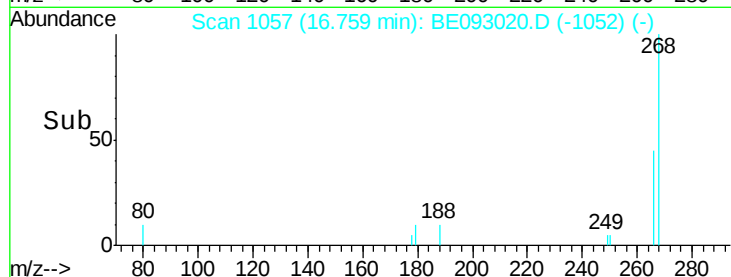
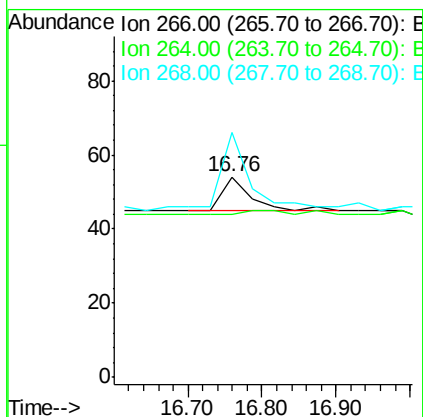
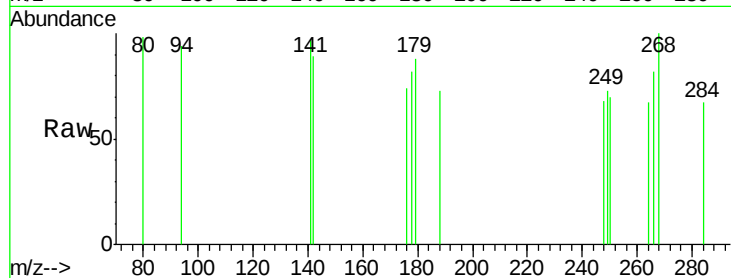
Tgt Ion: 266 Resp: 24

Ion Ratio Lower Upper

266 100

264 81.5 58.2 87.2

268 122.2 71.9 107.9#



#23

Phenanthrene

Concen: Below Cal

RT: 17.16 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

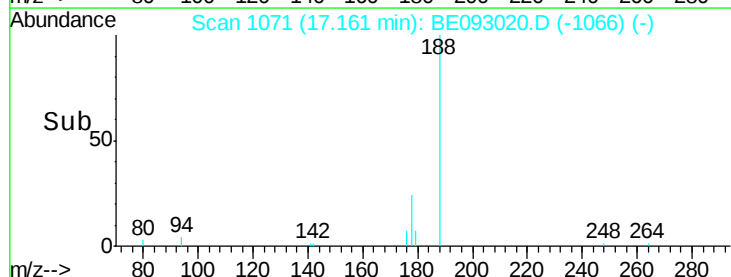
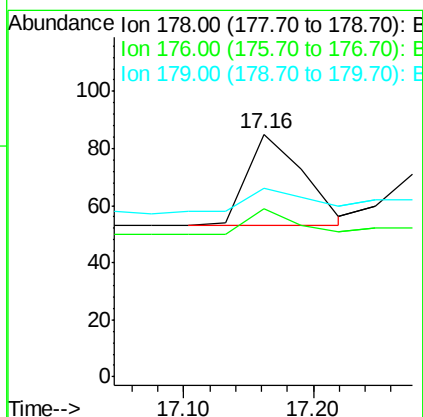
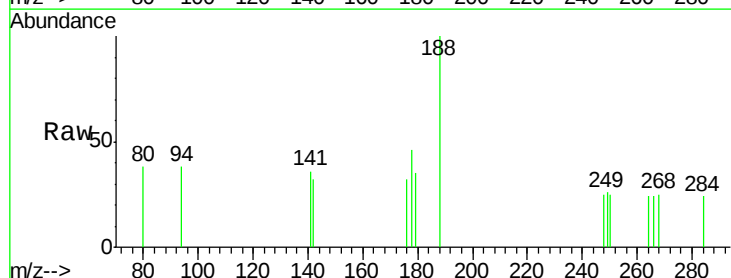
Tgt Ion: 178 Resp: 97

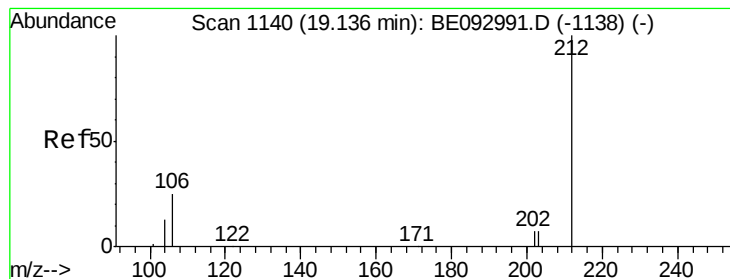
Ion Ratio Lower Upper

178 100

176 22.7 15.0 22.4#

179 36.1 12.7 19.1#





#25

Fluoranthene-d10

Concen: 0.34 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

DUP-0399-170509

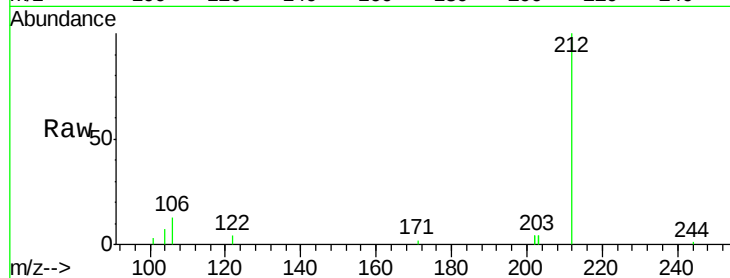
Tgt Ion:212 Resp: 4770

Ion Ratio Lower Upper

212 100

106 16.2 0.0 0.0#

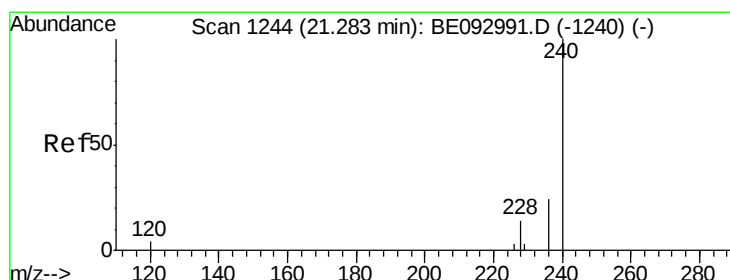
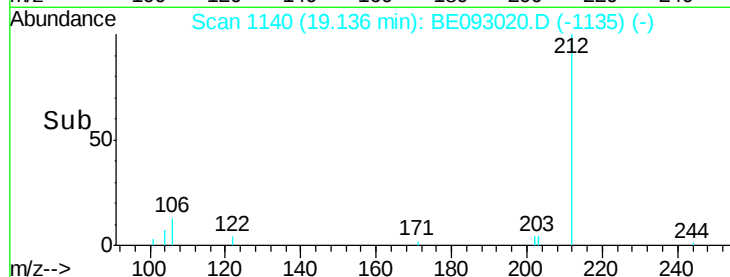
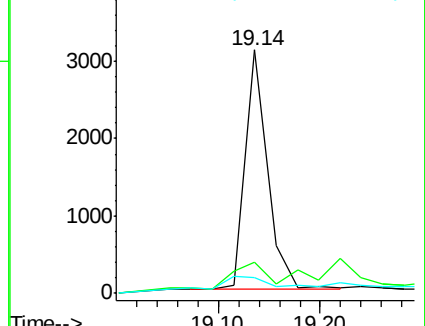
104 0.0 0.0 0.0



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# 1244

Delta R.T. 0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

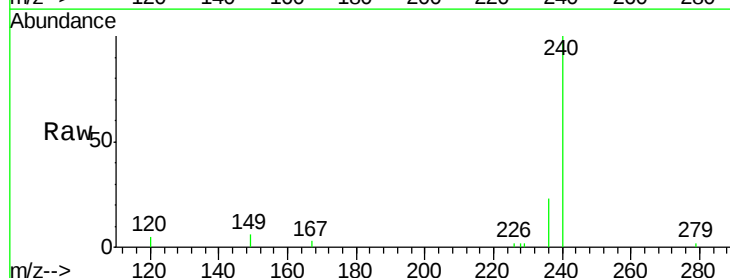
Tgt Ion:240 Resp: 5294

Ion Ratio Lower Upper

240 100

120 4.7 4.6 7.0

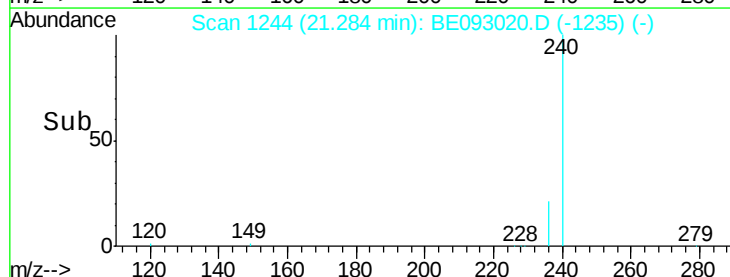
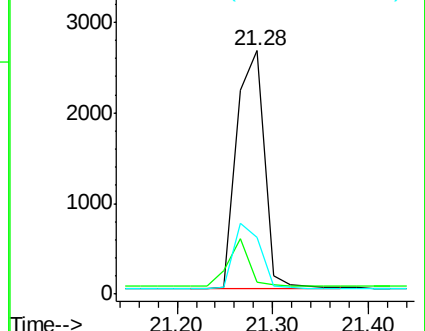
236 23.2 20.8 31.2

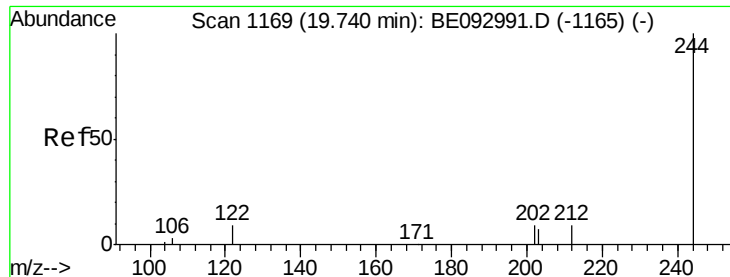


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.80 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

DUP-0399-170509

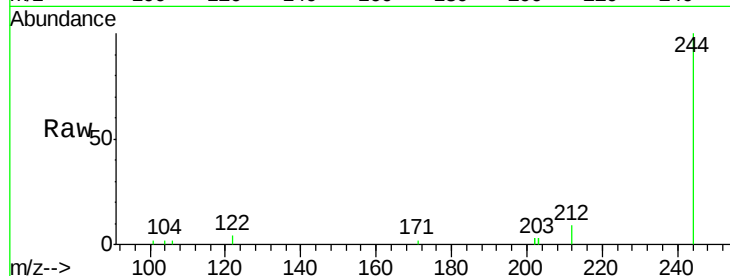
Tgt Ion:244 Resp: 7518

Ion Ratio Lower Upper

244 100

212 8.6 10.6 16.0#

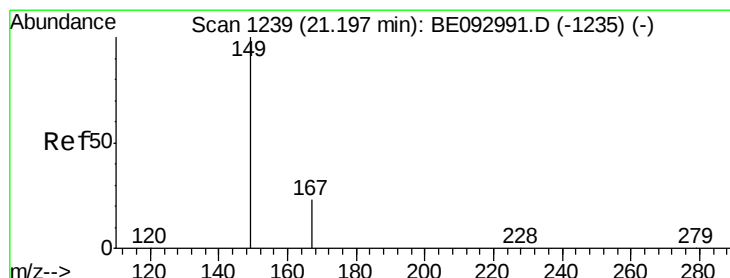
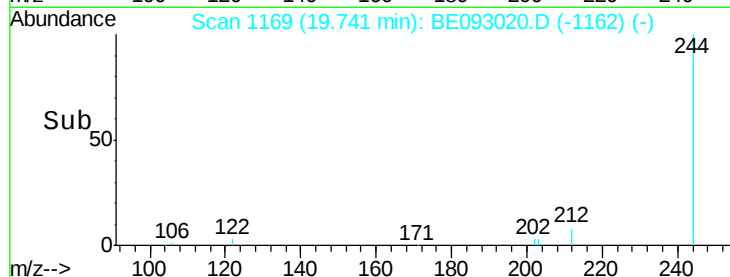
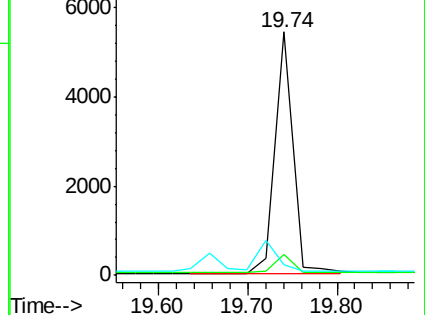
122 4.3 15.4 23.0#



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: 0.80 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

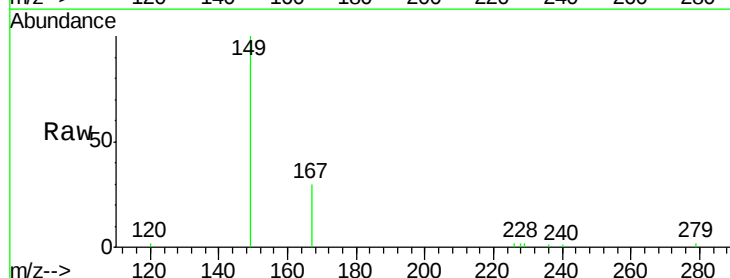
Tgt Ion:149 Resp: 4584

Ion Ratio Lower Upper

149 100

167 27.4 20.1 30.1

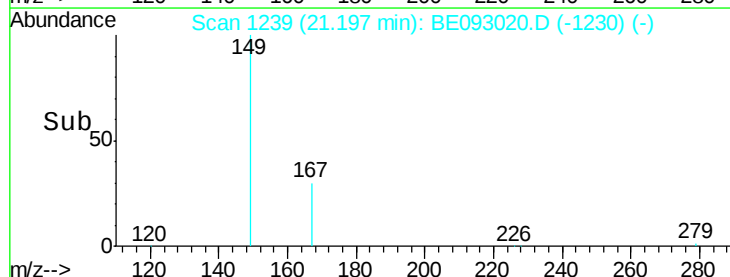
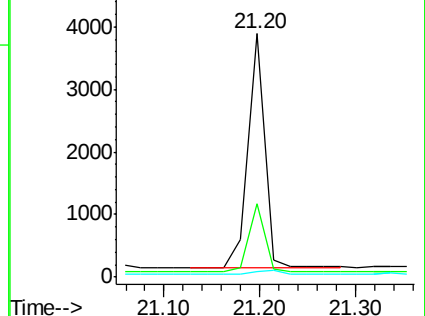
279 2.1 2.2 3.4#

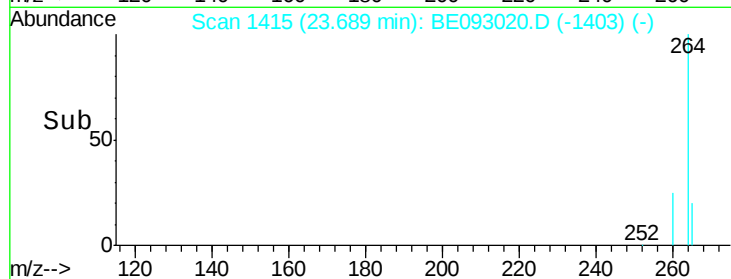
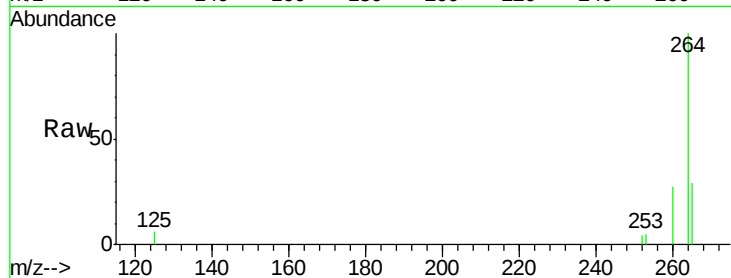
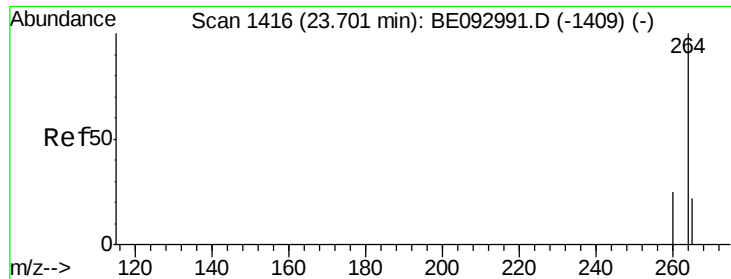


Abundance Ion 149.00 (148.70 to 149.70): E

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# 1415

Delta R.T. -0.01 min

Lab File: BE093020.D

Acq: 12 May 2017 16:25

Instrument :

BNA_E

ClientSampleId :

DUP-0399-170509

Tgt Ion: 264 Resp: 4480

Ion Ratio Lower Upper

264 100

260 27.0 21.0 31.4

265 29.0 24.6 36.8

