

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093103.D
 Acq On : 12 Jun 2017 14:06
 Operator : SJ/MA
 Sample : I3523-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:10:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 14:07:54 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	475	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2196	0.40	ng	0.00
13) Acenaphthene-d10	14.37	164	1164	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2477	0.40	ng	0.00
27) Chrysene-d12	21.27	240	3523	0.40	ng	0.00
34) Perylene-d12	23.67	264	2888	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	198	0.14	ng	0.00
5) Phenol-d6	6.90	99	180	0.09	ng	0.00
8) Nitrobenzene-d5	8.88	82	608	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1052	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	85	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	1870	0.38	ng	0.00
25) Fluoranthene-d10	19.11	212	2691	0.33	ng	0.00
29) Terphenyl-d14	19.72	244	2683	0.39	ng	0.00

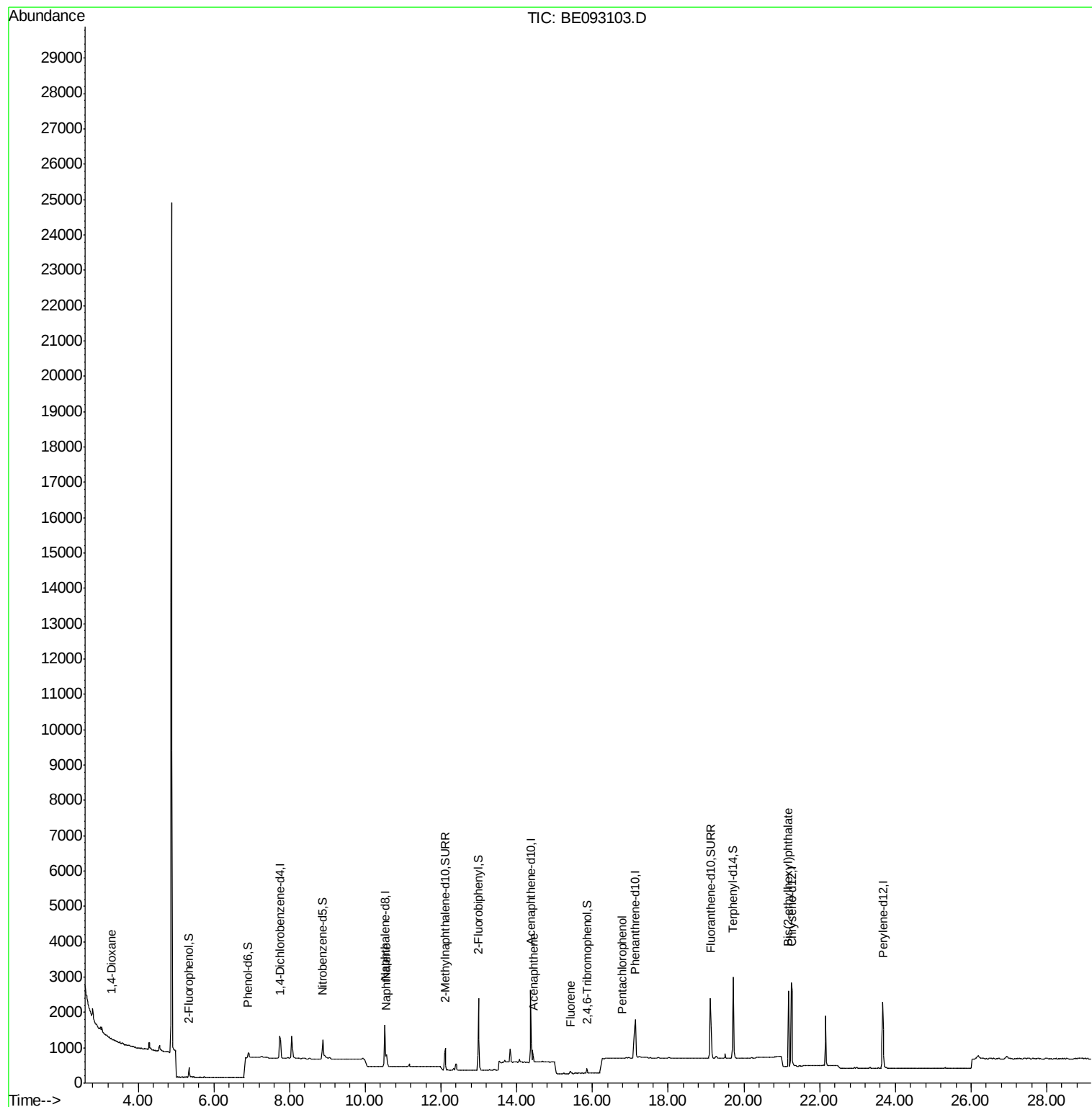
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	21	0.02	ng	# 20
9) Naphthalene	10.56	128	466	0.08	ng	# 66
17) Acenaphthene	14.44	154	73	0.02	ng	94
18) Fluorene	15.41	166	48	0.01	ng	# 93
22) Pentachlorophenol	16.79	266	5	0.01	ng	# 81
32) Bis(2-ethylhexyl)phthalate	21.18	149	1993	0.51	ng	94

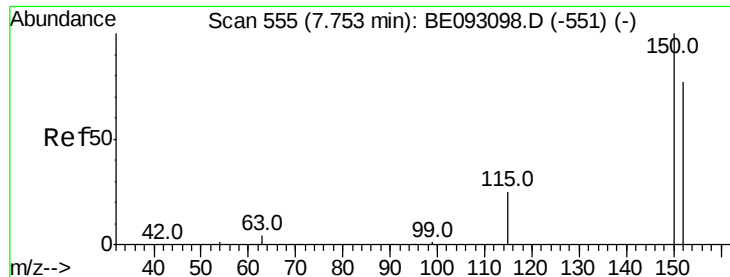
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampleId :

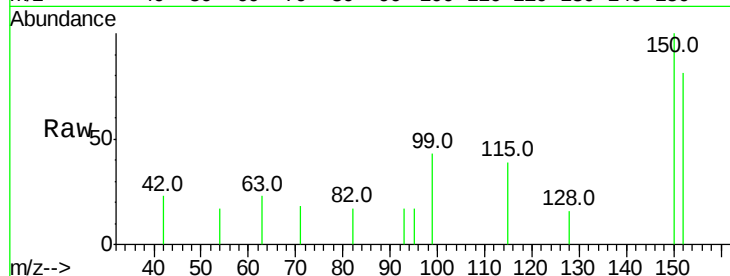
Tot Ion:152 Resp: 475

Ion Ratio Lower Upper

152 100

150 124.2 125.1 187.7#

115 48.3 55.7 83.5#

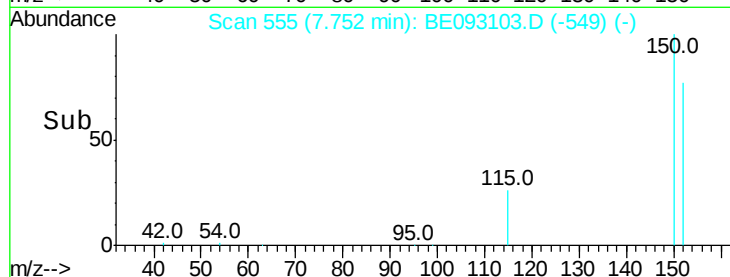


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->

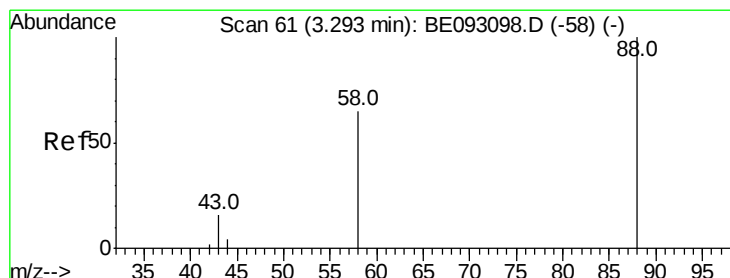


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 0.02 ng

RT: 3.29 min Scan# 61

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

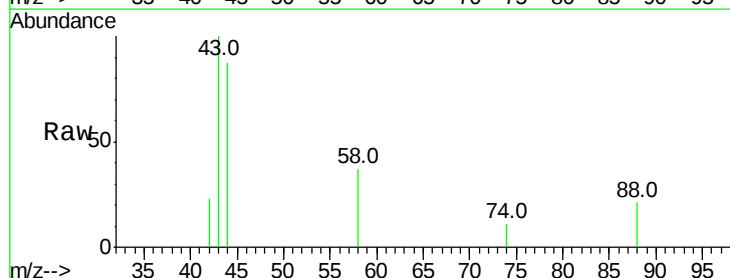
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

43 0.0 23.2 34.8#

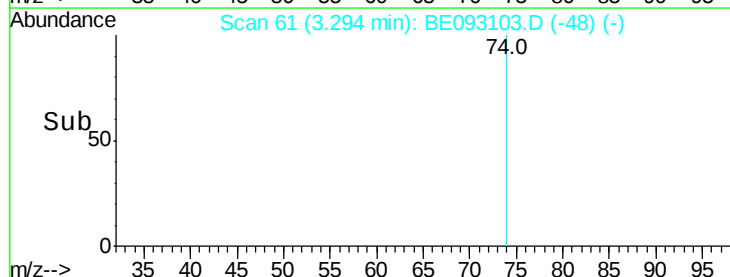


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->

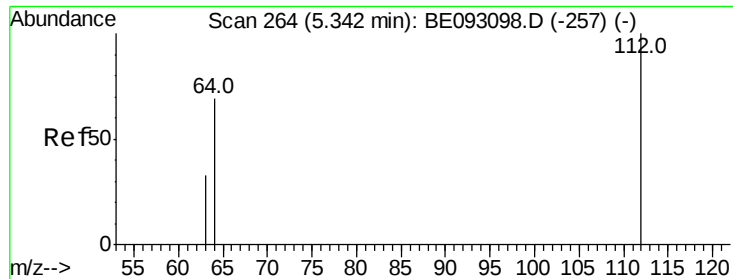


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->



#4

2-Fluorophenol

Concen: 0.14 ng

RT: 5.34 min Scan# 264

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampled :

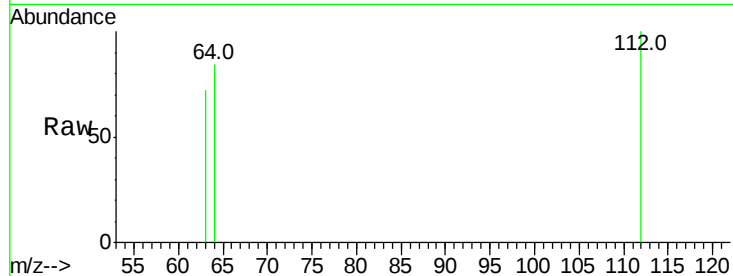
Tot Ion:112 Resp: 198

Ion Ratio Lower Upper

112 100

64 67.7 56.4 84.6

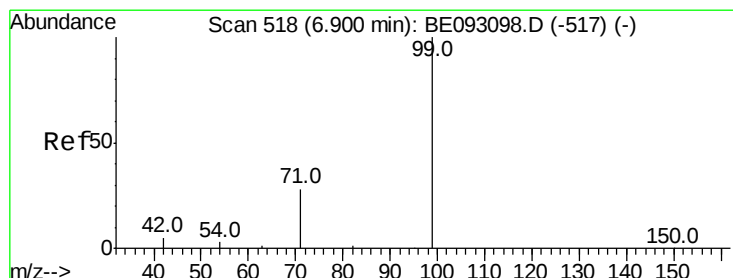
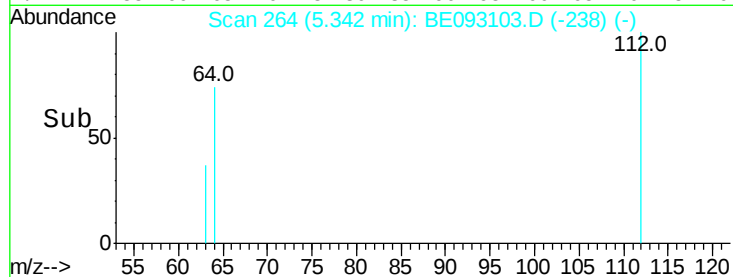
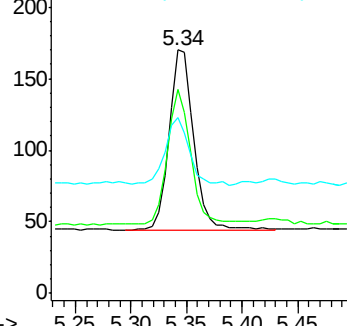
63 37.9 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.09 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

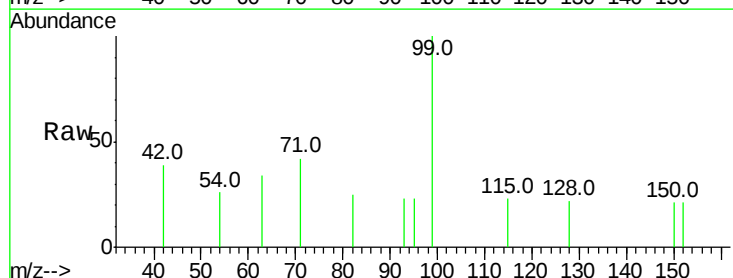
Tgt Ion: 99 Resp: 180

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

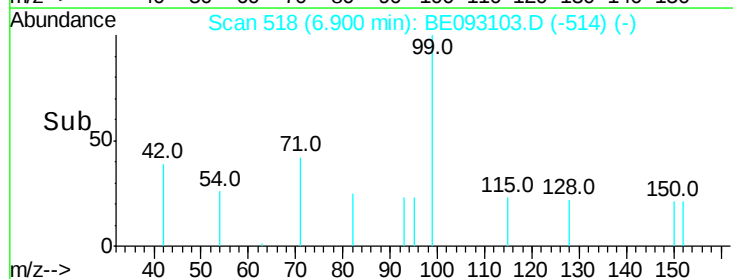
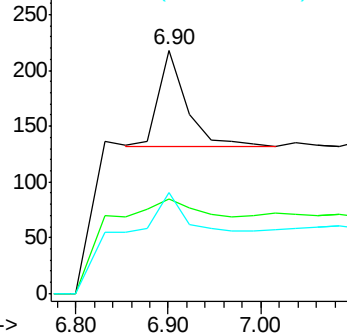
71 38.3 0.0 0.0#

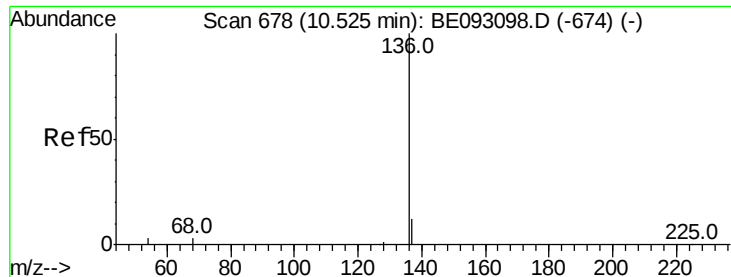


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2196

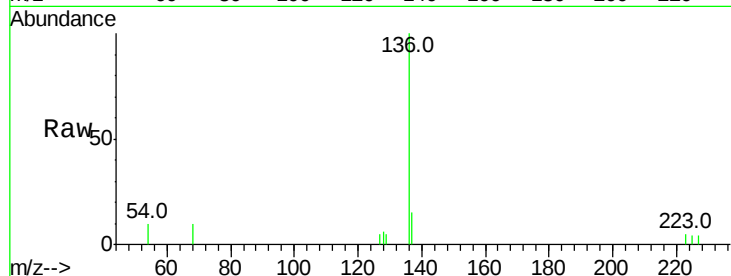
Ion Ratio Lower Upper

136 100

137 15.3 9.8 14.8#

54 10.1 10.3 15.5#

68 9.9 9.0 13.4

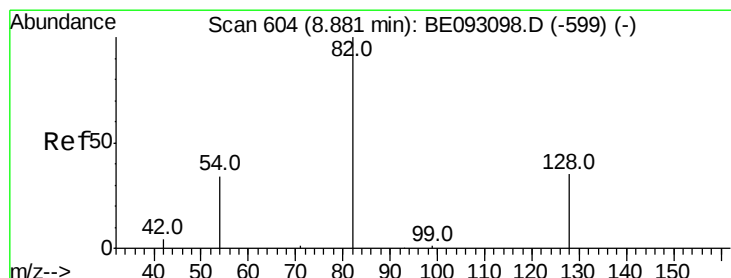
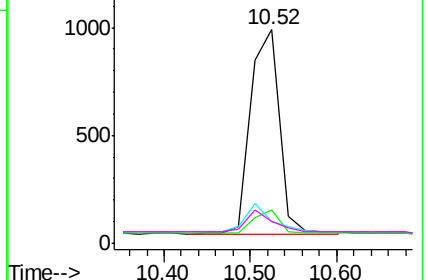
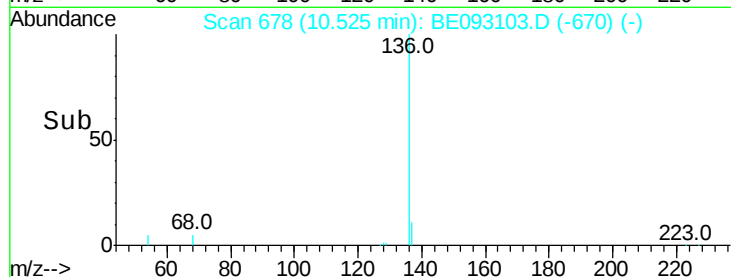


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.35 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

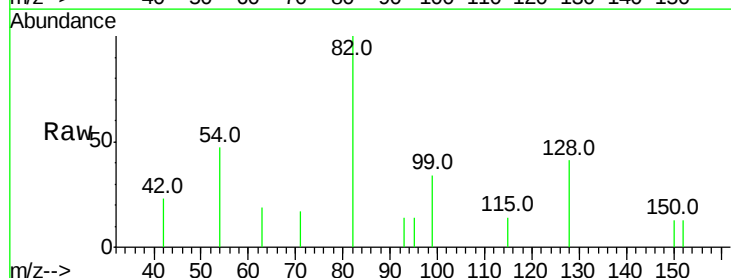
Tgt Ion: 82 Resp: 608

Ion Ratio Lower Upper

82 100

128 41.3 17.0 25.4#

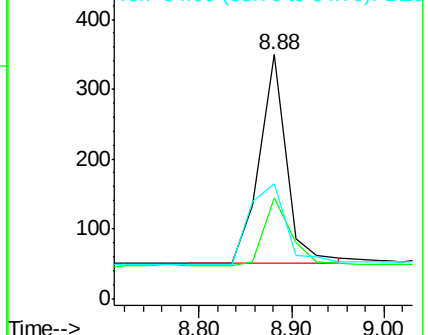
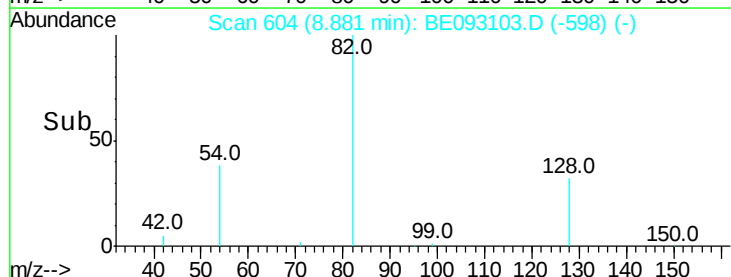
54 47.0 53.8 80.6#

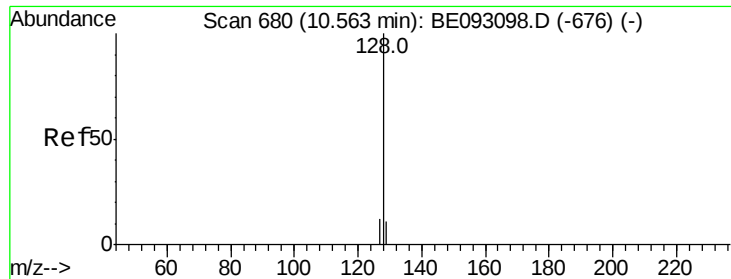


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.08 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampleId :

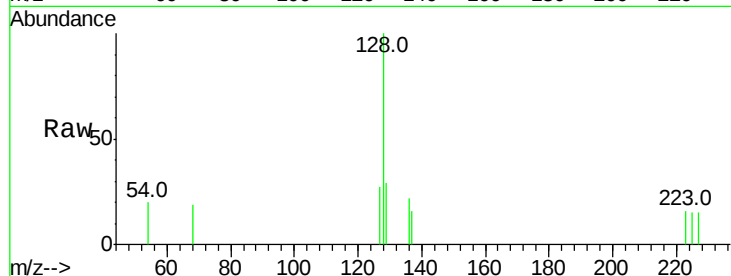
Tot Ion:128 Resp: 466

Ion Ratio Lower Upper

128 100

129 29.2 11.4 17.0#

127 26.7 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

10.56

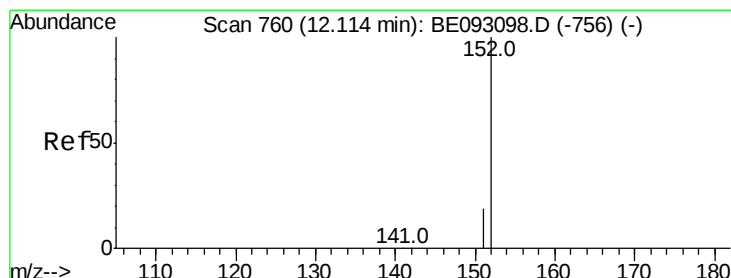
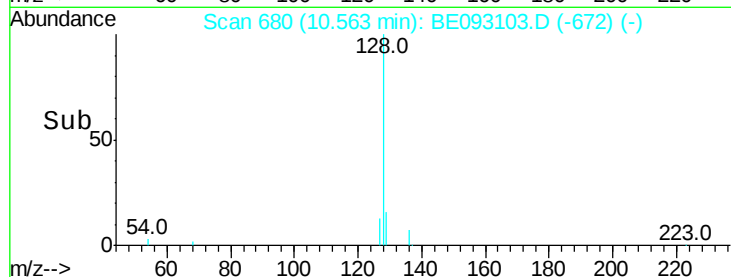
300

200

100

0

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.32 ng

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093103.D

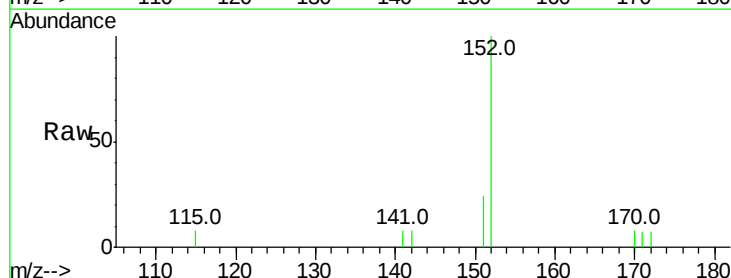
Acq: 12 Jun 2017 14:06

Tgt Ion:152 Resp: 1052

Ion Ratio Lower Upper

152 100

151 18.8 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

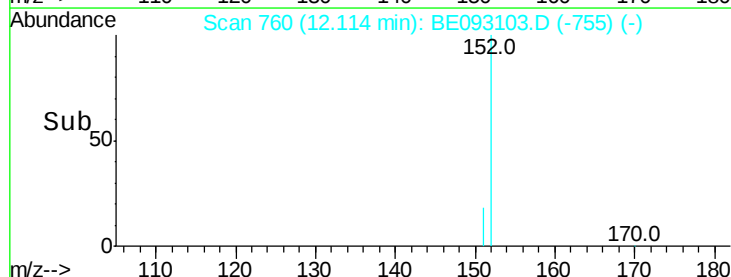
600

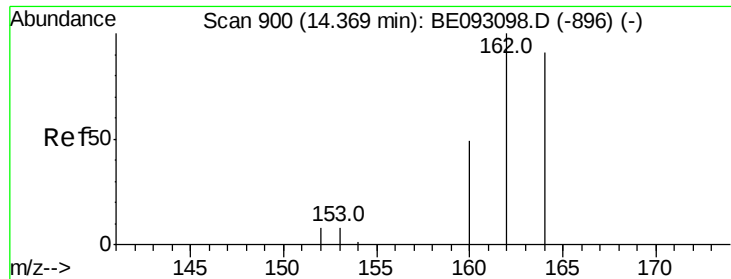
400

200

0

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampleId :

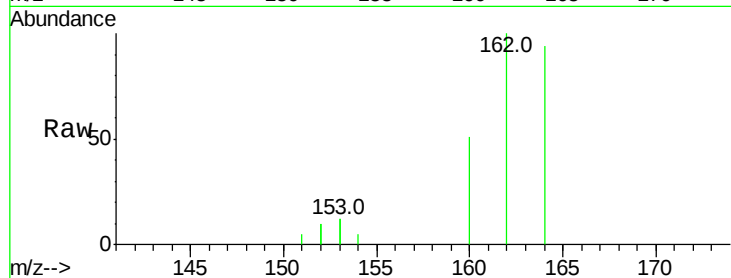
Tot Ion:164 Resp: 1164

Ion Ratio Lower Upper

164 100

162 106.6 84.6 127.0

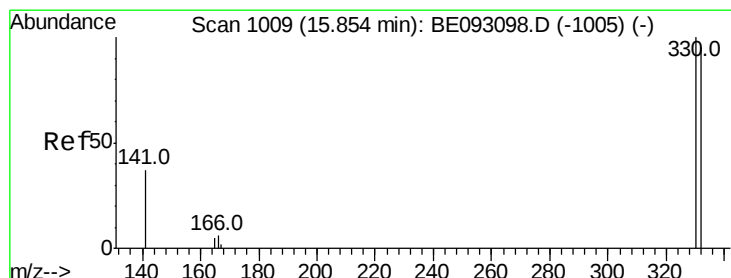
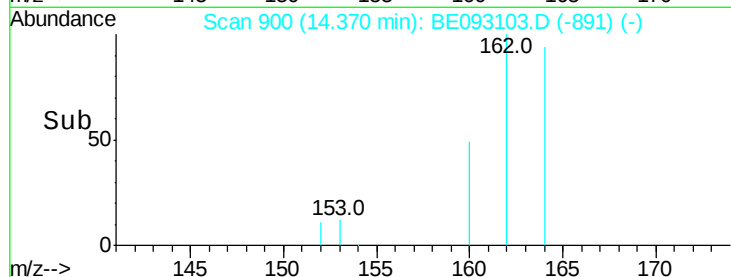
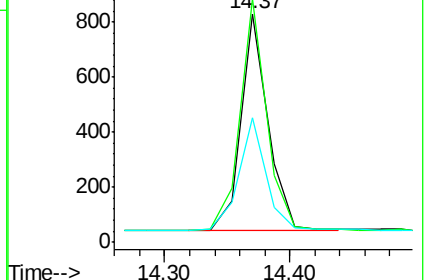
160 54.4 41.8 62.6



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: 0.32 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

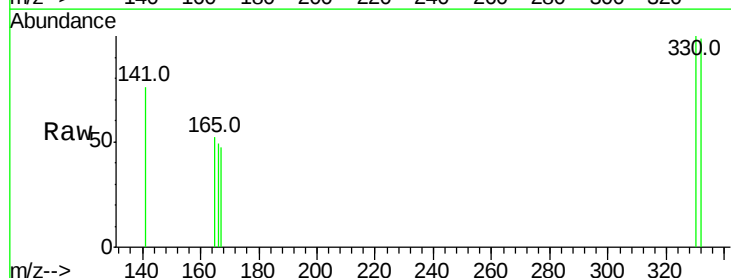
Tgt Ion:330 Resp: 85

Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

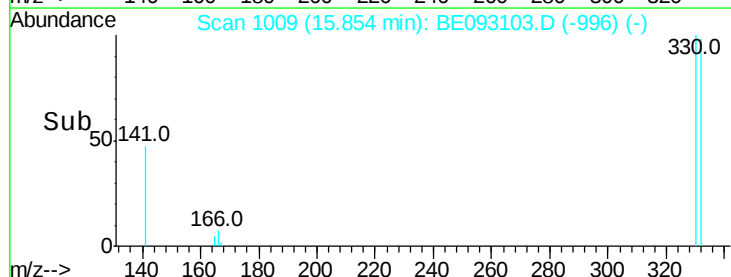
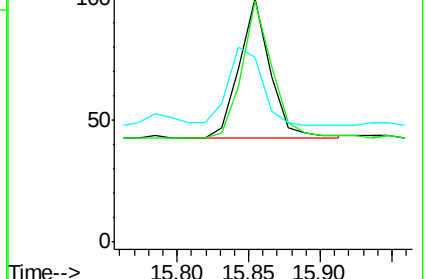
141 62.4 56.2 84.4

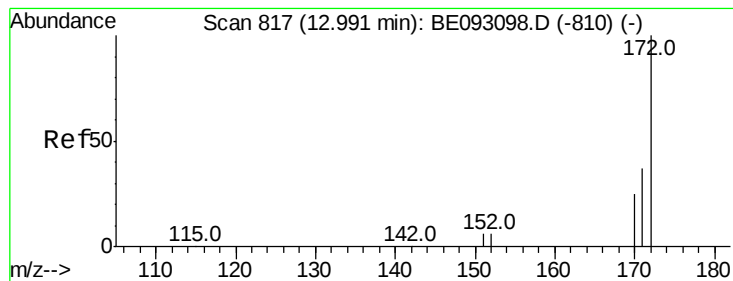


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

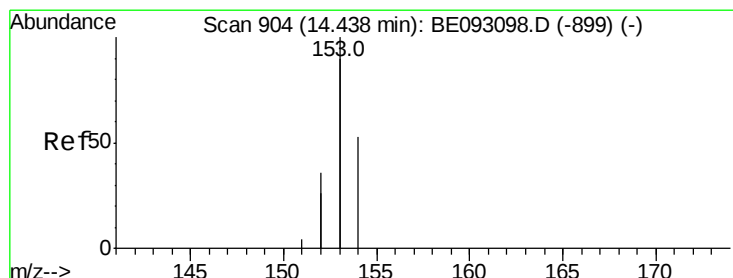
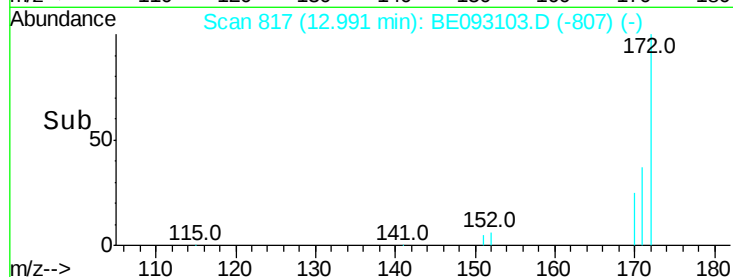
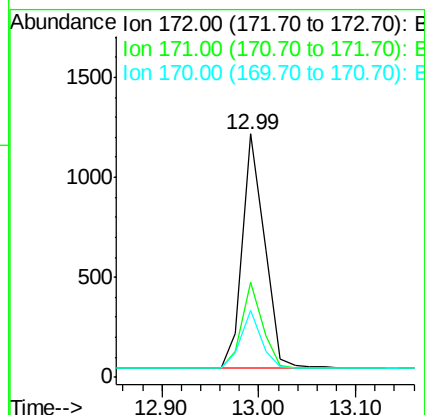
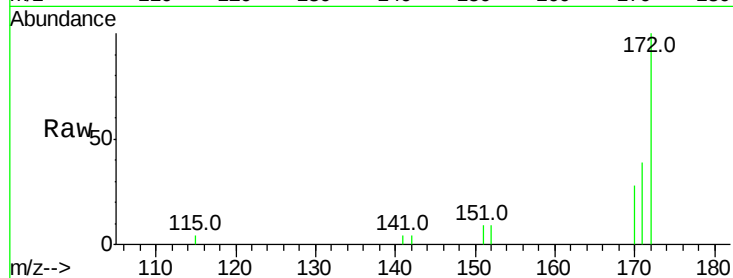




#15
 2-Fluorobiphenyl
 Concen: 0.38 ng
 RT: 12.99 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BE093103.D
 Acq: 12 Jun 2017 14:06

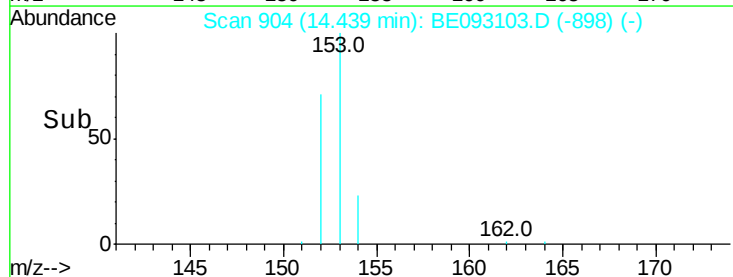
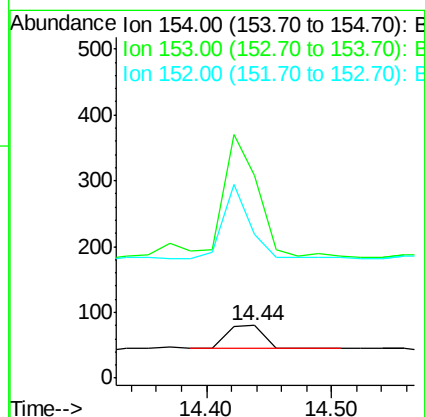
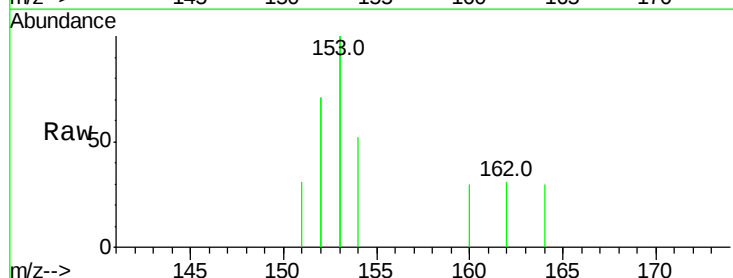
Instrument :
 BNA_E
 ClientSampleId :

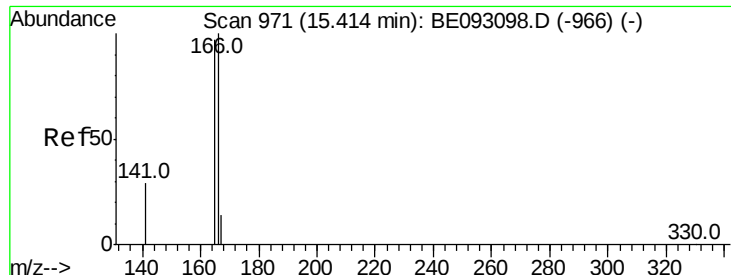
Tot Ion:172 Resp: 1870
 Ion Ratio Lower Upper
 172 100
 171 38.9 29.8 44.6
 170 27.5 20.7 31.1



#17
 Acenaphthene
 Concen: 0.02 ng
 RT: 14.44 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BE093103.D
 Acq: 12 Jun 2017 14:06

Tgt Ion:154 Resp: 73
 Ion Ratio Lower Upper
 154 100
 153 482.2 367.8 551.6
 152 232.9 188.2 282.2





#18

Fluorene

Concen: 0.01 ng

RT: 15.41 min Scan# 971

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampleId :

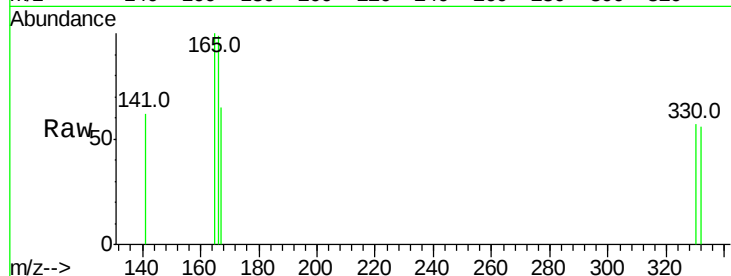
Tot Ion:166 Resp: 48

Ion Ratio Lower Upper

166 100

165 102.1 78.6 117.8

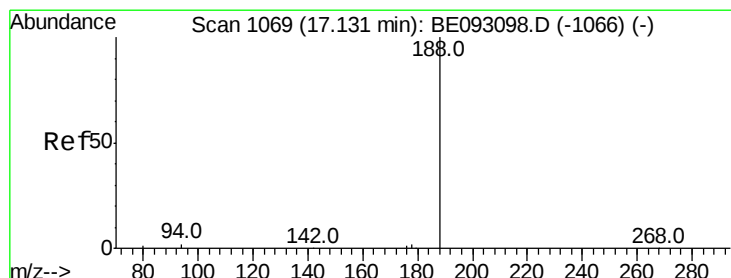
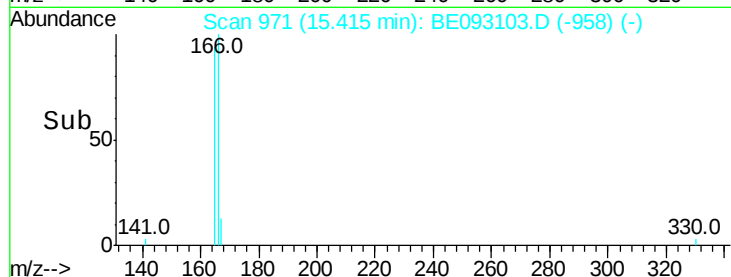
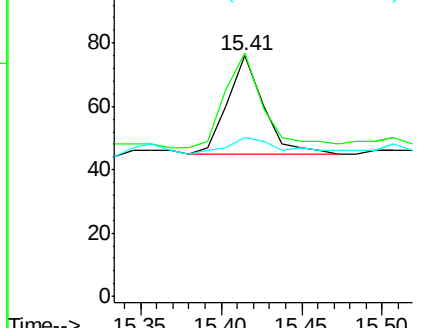
167 25.0 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

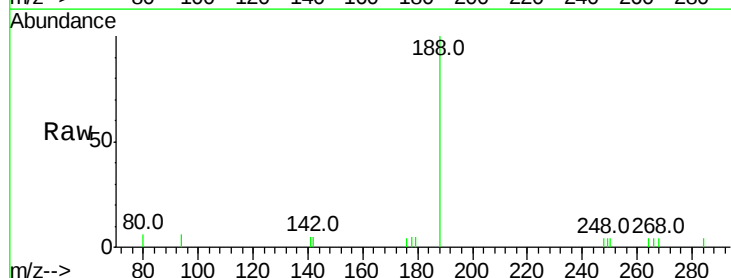
Tgt Ion:188 Resp: 2477

Ion Ratio Lower Upper

188 100

94 6.3 11.3 16.9#

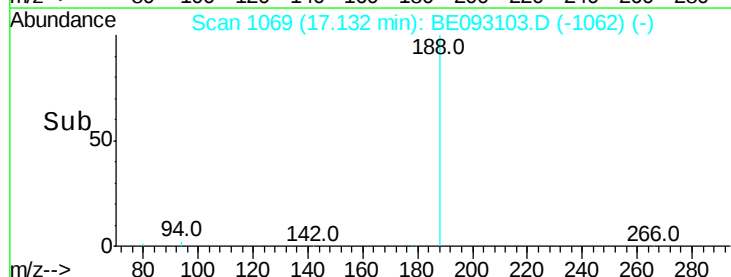
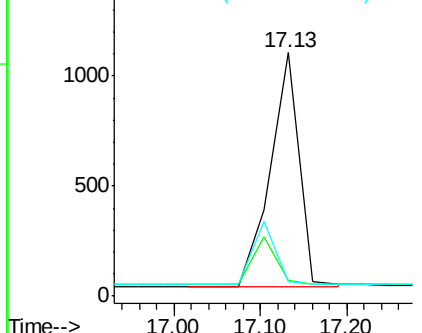
80 6.1 11.7 17.5#

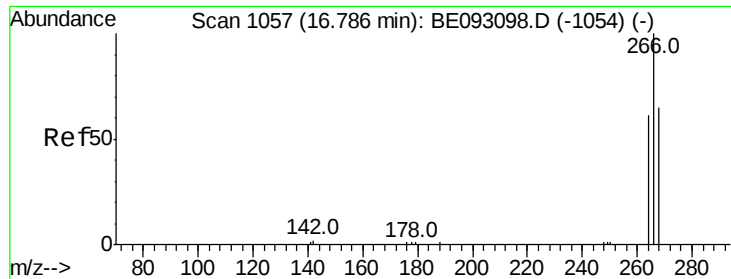


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.01 ng

RT: 16.79 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE093103.D

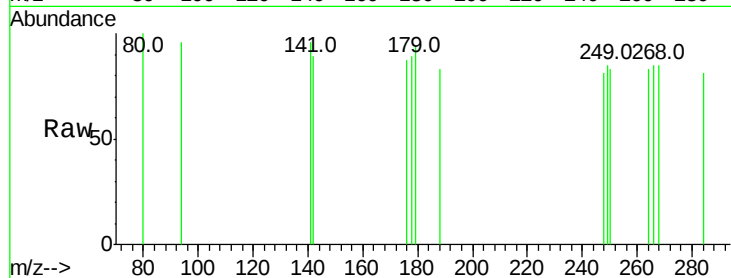
Acq: 12 Jun 2017 14:06

Instrument :

BNA_E

ClientSampleId :

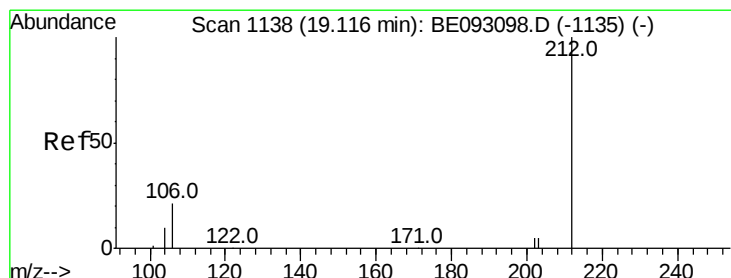
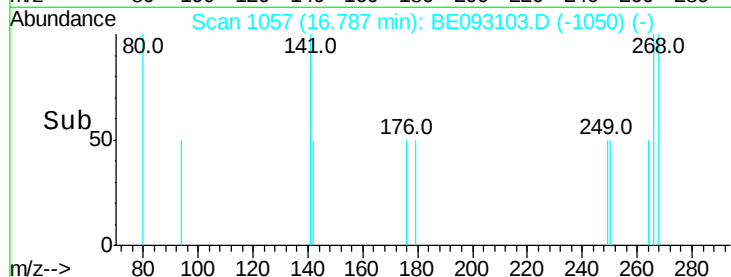
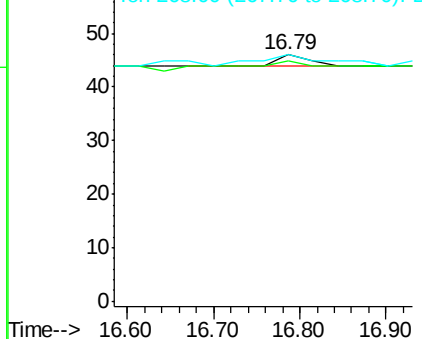
Tot Ion	Ratio	Lower	Upper
266	100		
264	97.8	58.2	87.2#
268	100.0	71.9	107.9



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.33 ng

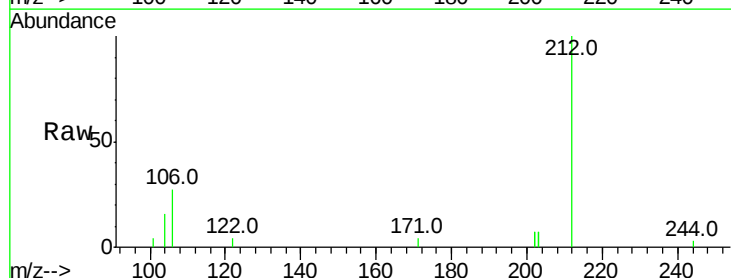
RT: 19.11 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

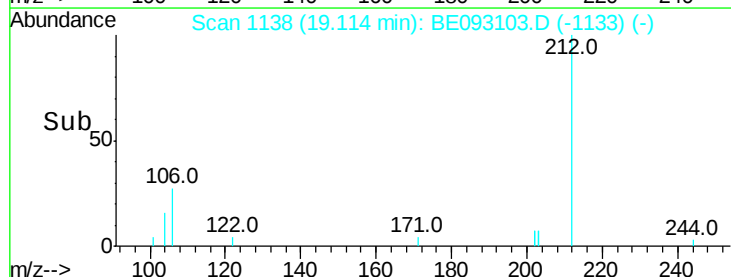
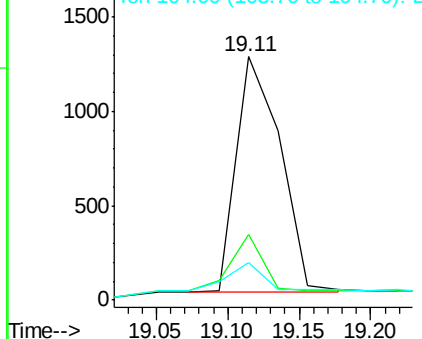
Tgt Ion	Ratio	Lower	Upper
212	100		
106	17.2	0.0	0.0#
104	9.7	0.0	0.0#

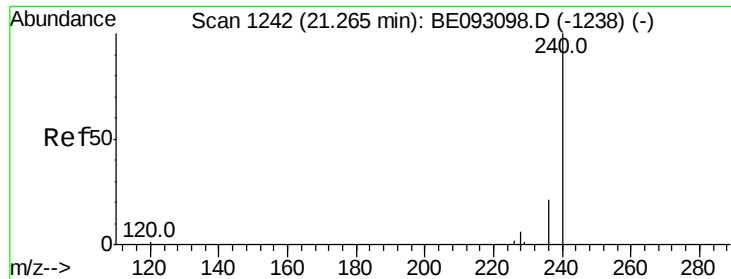


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

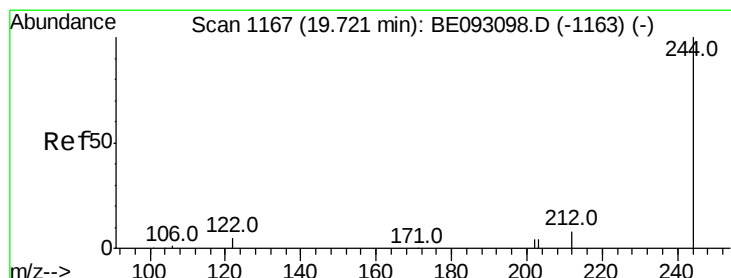
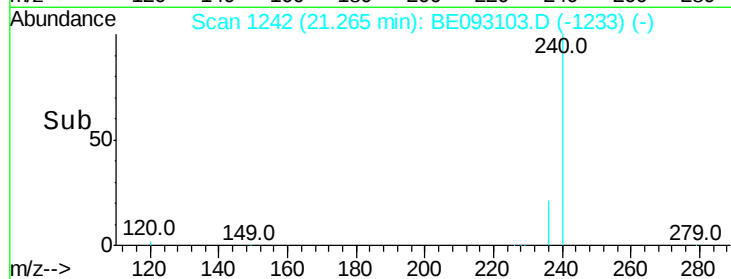
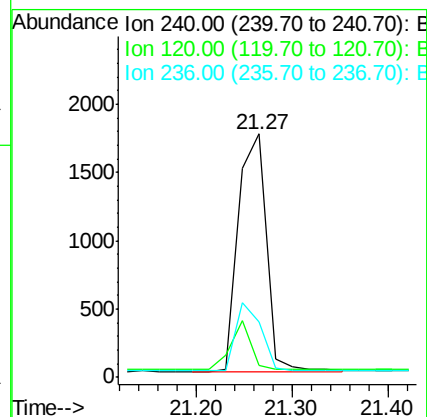
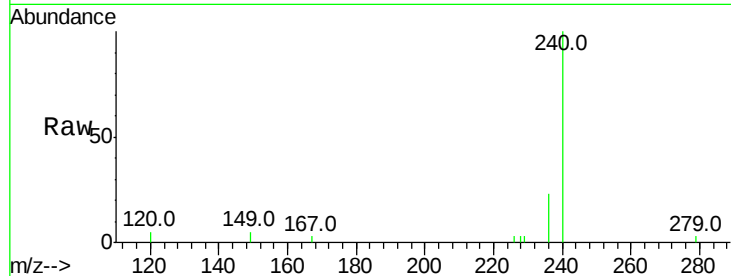




#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.27 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: BE093103.D
 Acq: 12 Jun 2017 14:06

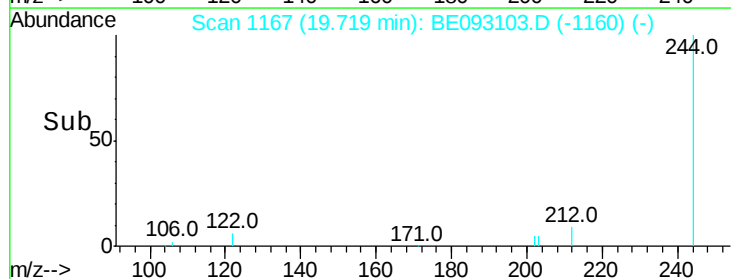
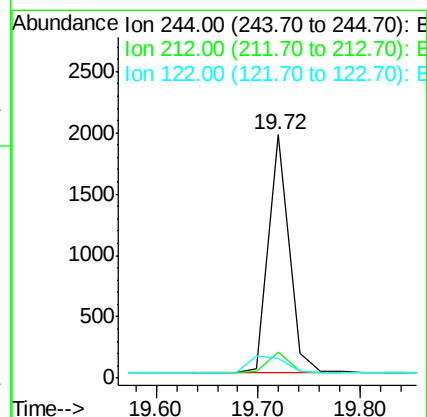
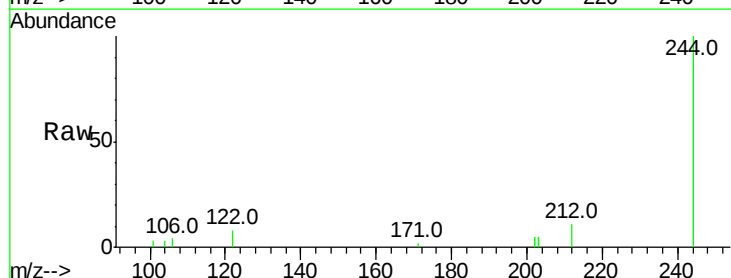
Instrument :
 BNA_E
 ClientSampleId :

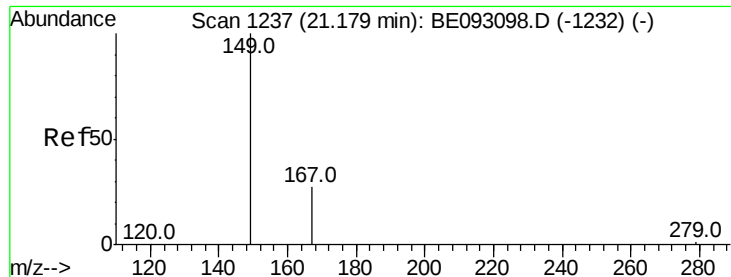
Tot Ion:240 Resp: 3523
 Ion Ratio Lower Upper
 240 100
 120 4.7 4.6 7.0
 236 22.7 20.8 31.2



#29
 Terphenyl-d14
 Concen: 0.39 ng
 RT: 19.72 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BE093103.D
 Acq: 12 Jun 2017 14:06

Tgt Ion:244 Resp: 2683
 Ion Ratio Lower Upper
 244 100
 212 10.8 10.6 16.0
 122 8.2 15.4 23.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.51 ng

RT: 21.18 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

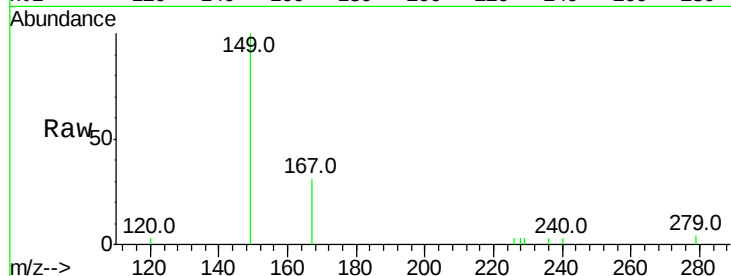
Instrument :

BNA_E

ClientSampleId :

Tot Ion:149 Resp: 1993

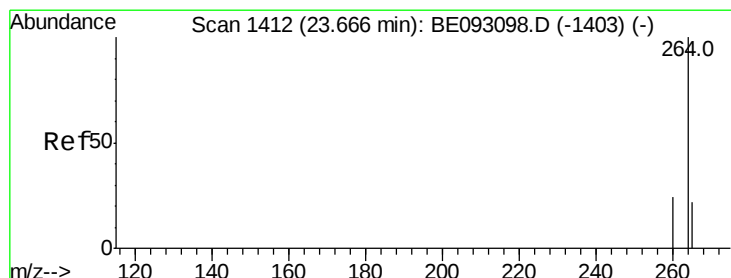
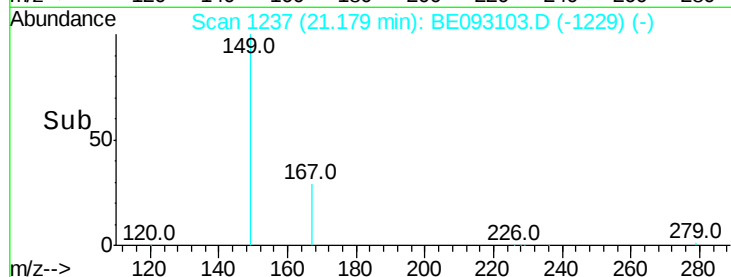
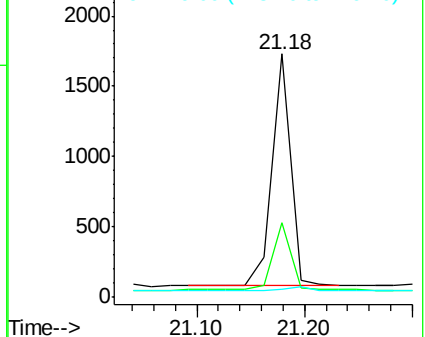
Ion	Ratio	Lower	Upper
149	100		
167	28.2	20.1	30.1
279	2.8	2.2	3.4



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: 23.67 min Scan# 1412

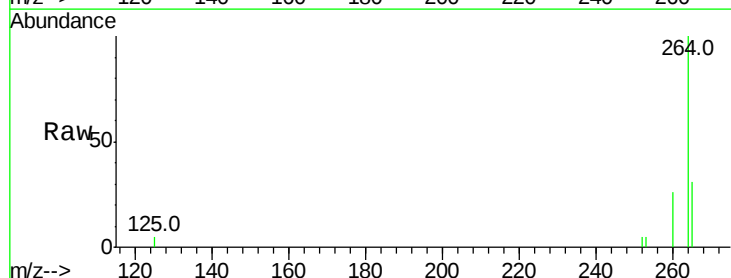
Delta R.T. 0.00 min

Lab File: BE093103.D

Acq: 12 Jun 2017 14:06

Tgt Ion:264 Resp: 2888

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.0	31.4
265	30.6	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

