

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093126.D
 Acq On : 13 Jun 2017 6:13
 Operator : SJ/MA
 Sample : I3460-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 07:52:36 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	596	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	3111	0.40	ng	0.00
13) Acenaphthene-d10	14.42	164	17169	0.40	ng	0.05
19) Phenanthrene-d10	17.13	188	8707	0.40	ng	0.00
27) Chrysene-d12	21.27	240	5124	0.40	ng	0.00
34) Perylene-d12	23.67	264	4127	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	507	0.29	ng	0.00
5) Phenol-d6	6.92	99	346	0.13	ng	0.02
8) Nitrobenzene-d5	8.88	82	1187	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2297	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	363	0.09	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	4011	0.05	ng	0.00
25) Fluoranthene-d10	19.13	212	7567	0.26	ng	0.02
29) Terphenyl-d14	19.72	244	3867	0.39	ng	0.00

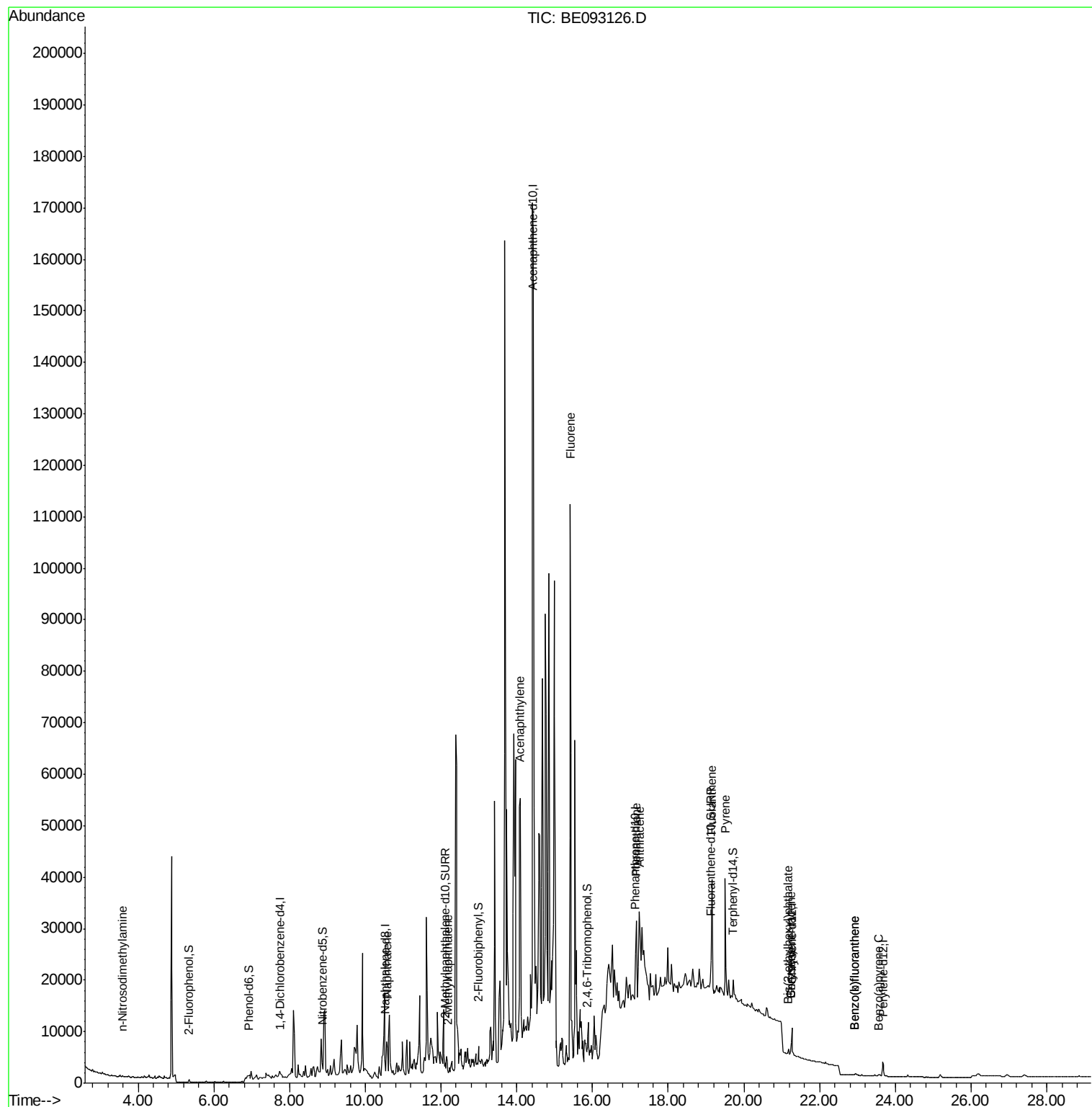
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.59	42	54	0.05	ng	# 19
9) Naphthalene	10.56	128	5404	0.65	ng	# 1
12) 2-Methylnaphthalene	12.18	142	811	0.16	ng	# 1
16) Acenaphthylene	14.08	152	47464	0.16	ng	# 1
18) Fluorene	15.41	166	72156	1.08	ng	# 91
23) Phenanthrene	17.16	178	15210	0.39	ng	# 83
24) Anthracene	17.25	178	5144	0.15	ng	# 1
26) Fluoranthene	19.16	202	25678	0.18	ng	# 99
28) Pyrene	19.51	202	30599	0.49	ng	# 83
30) Benzo(a)anthracene	21.25	228	1280	0.09	ng	# 9
31) Chrysene	21.25	228	1572	0.11	ng	# 13
32) Bis(2-ethylhexyl)phthalate	21.18	149	1205	0.20	ng	# 73
35) Benzo(b)fluoranthene	22.93	252	588	0.04	ng	# 1
36) Benzo(k)fluoranthene	22.93	252	644	0.05	ng	# 1
37) Benzo(a)pyrene	23.55	252	389	0.03	ng	# 1

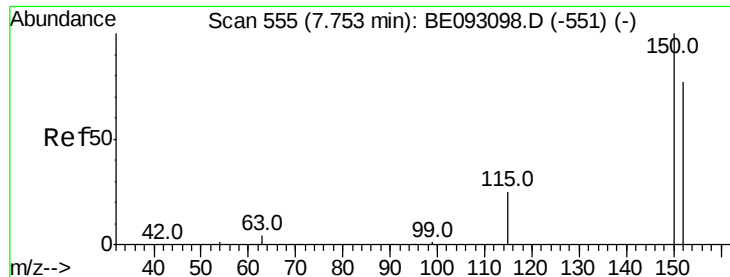
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

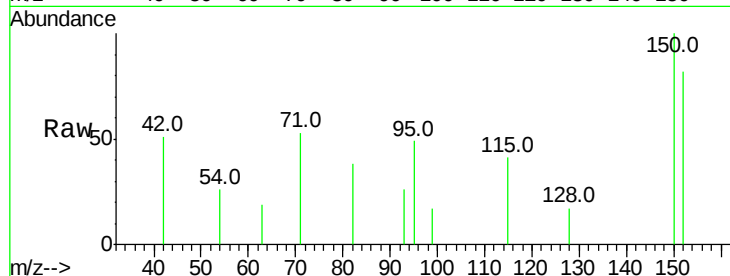
Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampled :



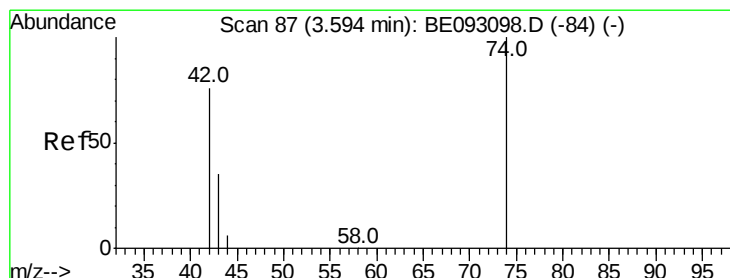
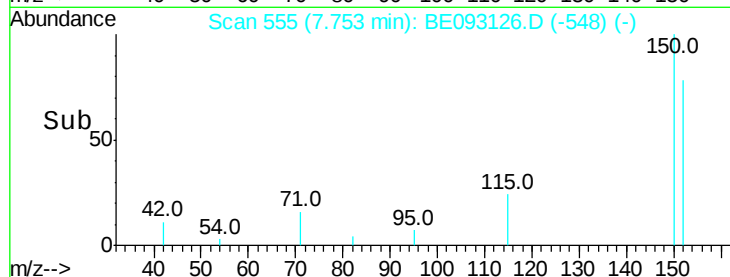
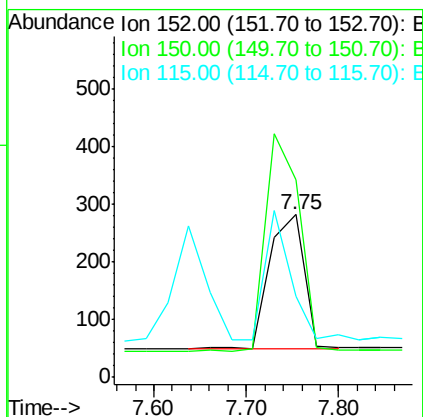
Tot Ion:152 Resp: 596

Ion Ratio Lower Upper

152 100

150 122.0 125.1 187.7#

115 49.6 55.7 83.5#



#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.59 min Scan# 87

Delta R.T. -0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

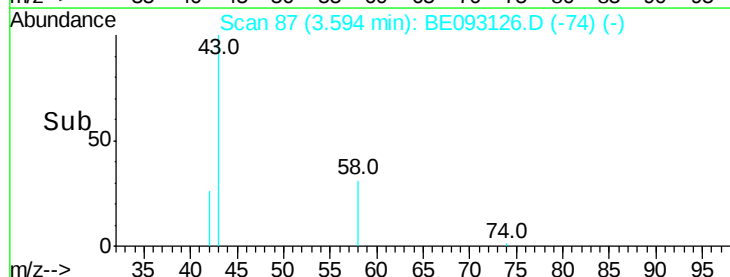
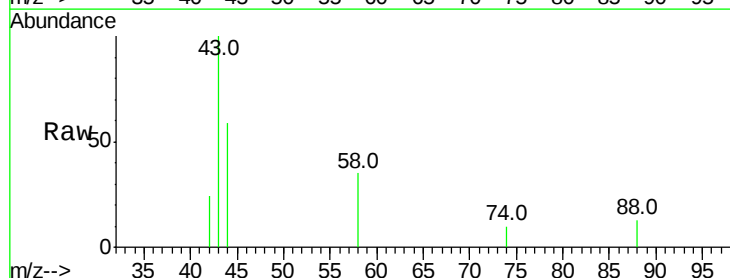
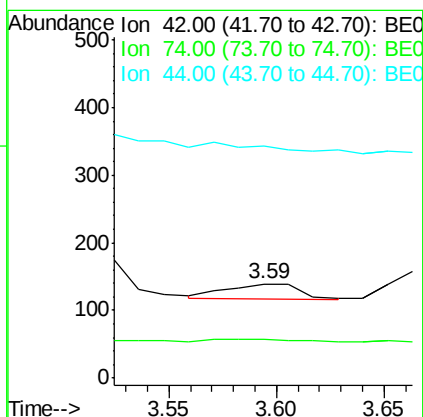
Tgt Ion: 42 Resp: 54

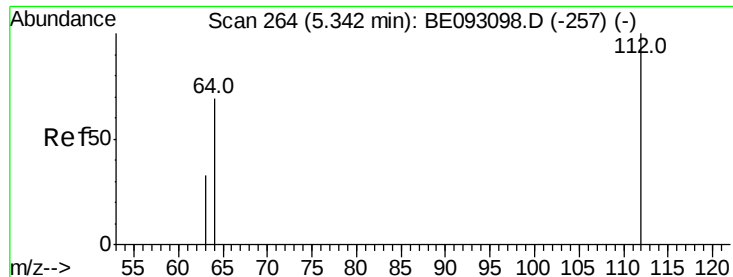
Ion Ratio Lower Upper

42 100

74 27.8 99.1 148.7#

44 0.0 7.4 11.2#





#4

2-Fluorophenol

Concen: 0.29 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :

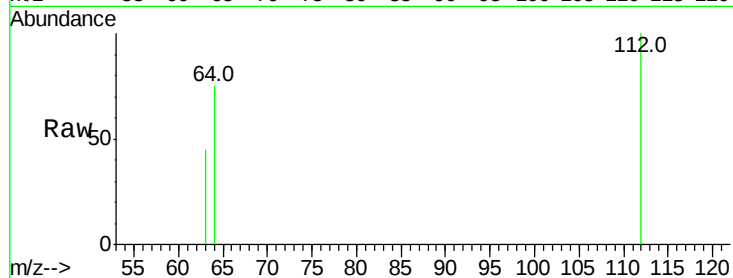
Tot Ion:112 Resp: 507

Ion Ratio Lower Upper

112 100

64 54.4 56.4 84.6#

63 27.0 29.3 43.9#



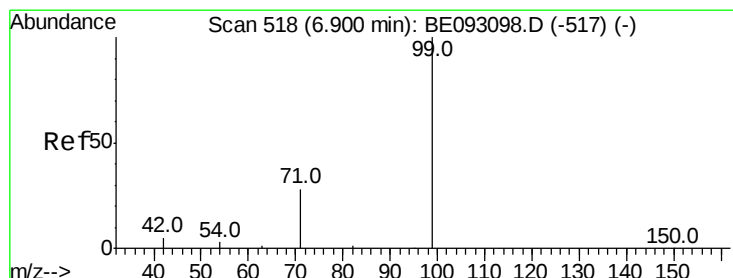
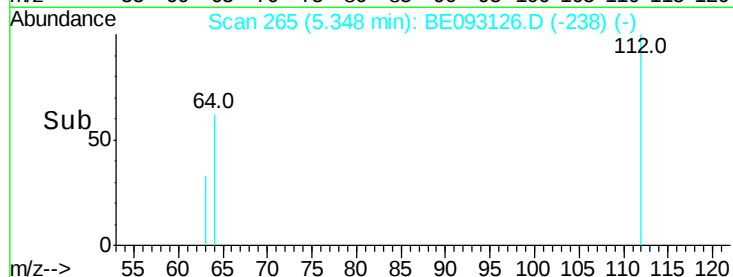
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

5.35

Time-->



#5

Phenol-d6

Concen: 0.13 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.02 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

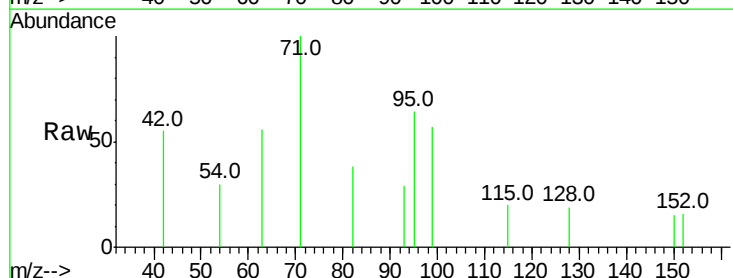
Tgt Ion: 99 Resp: 346

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

71 0.0 0.0 0.0



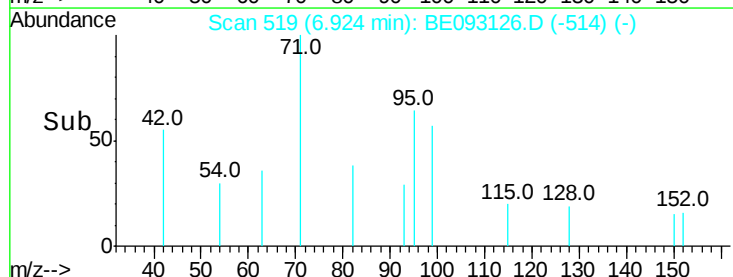
Abundance Ion 99.00 (98.70 to 99.70): BE0

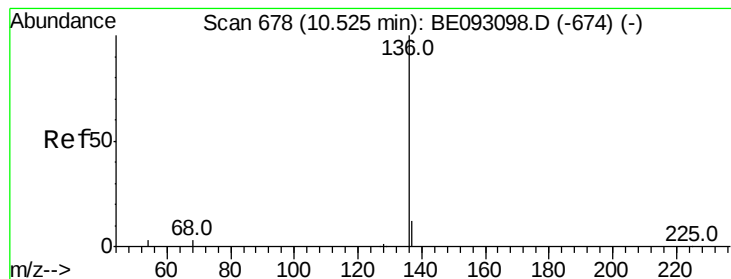
Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.92

Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3111

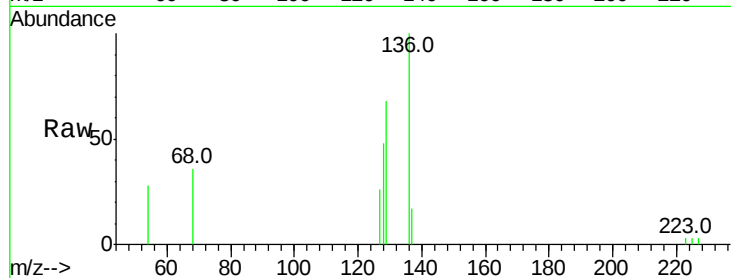
Ion Ratio Lower Upper

136 100

137 17.1 9.8 14.8#

54 27.6 10.3 15.5#

68 36.0 9.0 13.4#

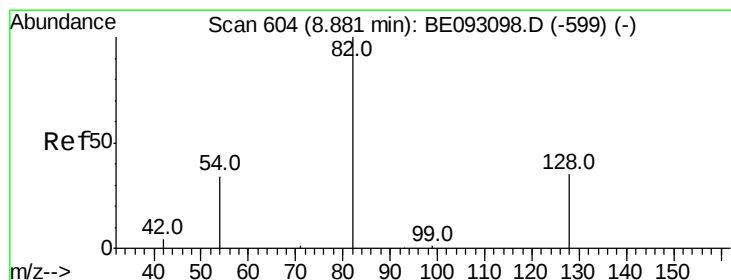
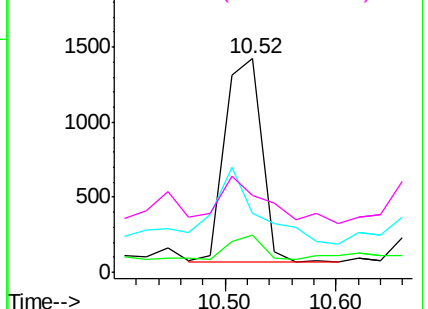
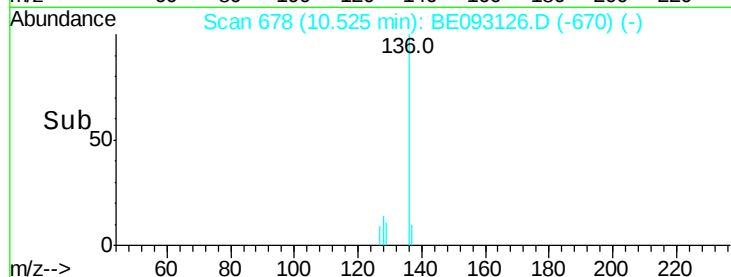


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.48 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

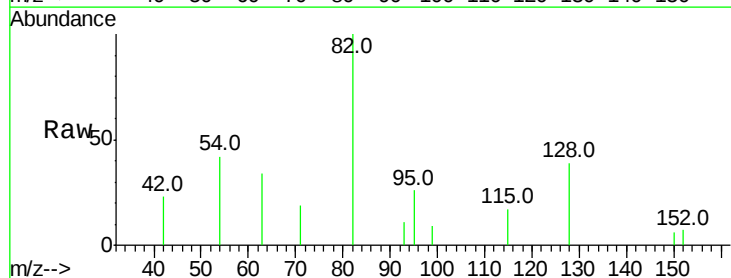
Tgt Ion: 82 Resp: 1187

Ion Ratio Lower Upper

82 100

128 38.8 17.0 25.4#

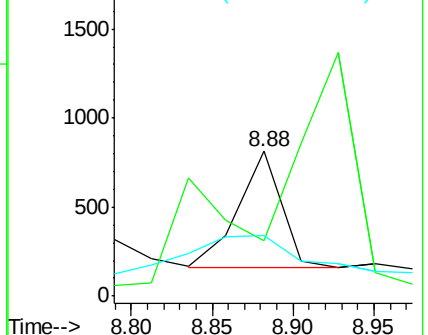
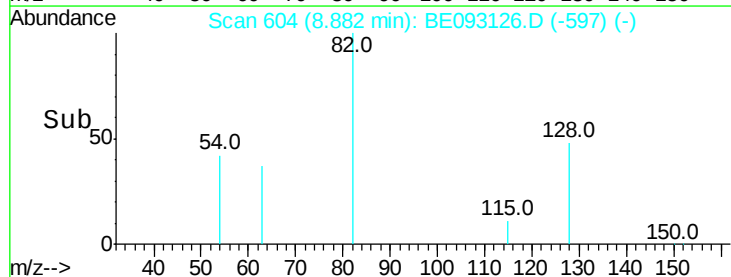
54 42.1 53.8 80.6#

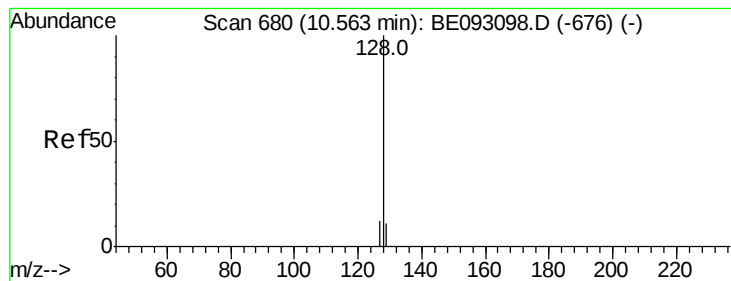


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.65 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :

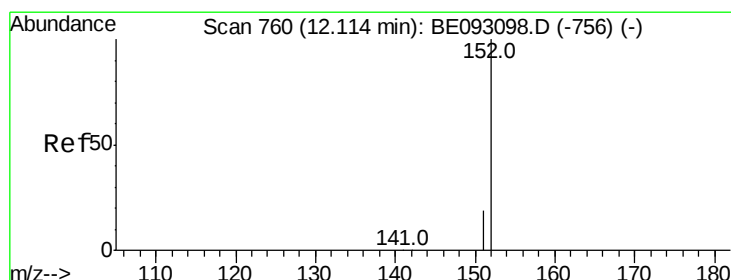
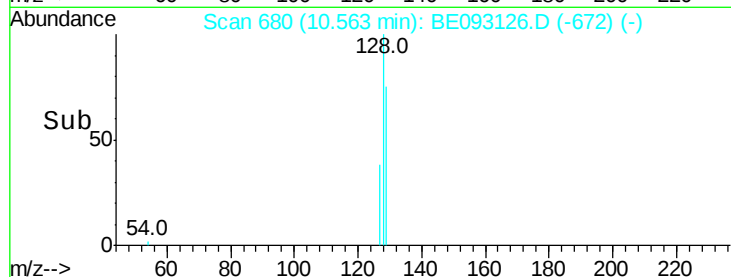
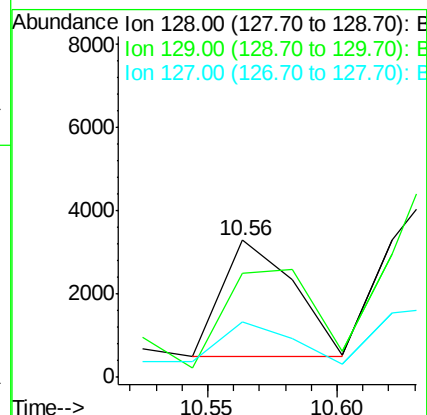
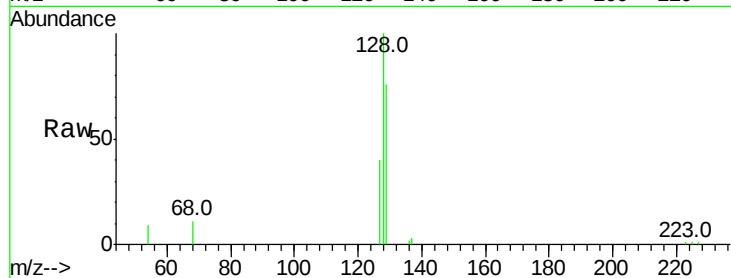
Tot Ion:128 Resp: 5404

Ion Ratio Lower Upper

128 100

129 75.5 11.4 17.0#

127 40.3 11.2 16.8#



#11

2-Methylnaphthalene-d10

Concen: 0.49 ng

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093126.D

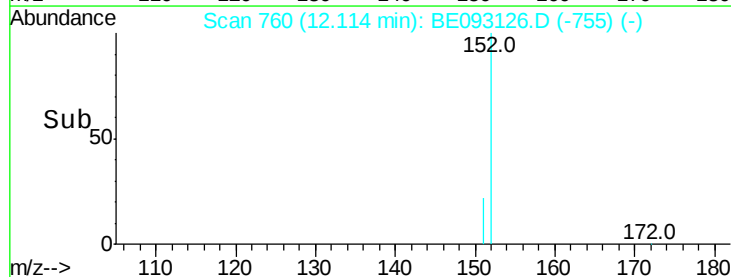
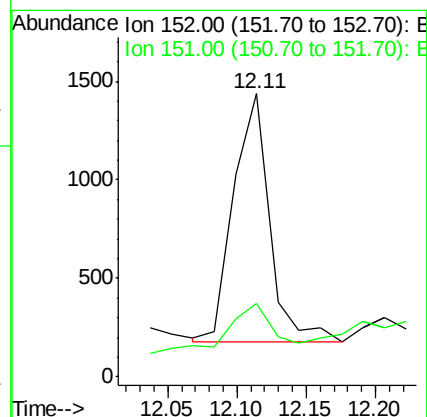
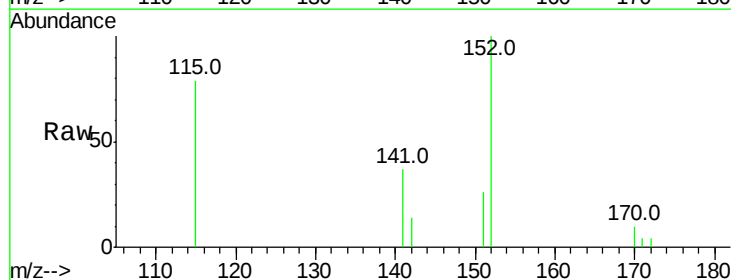
Acq: 13 Jun 2017 6:13

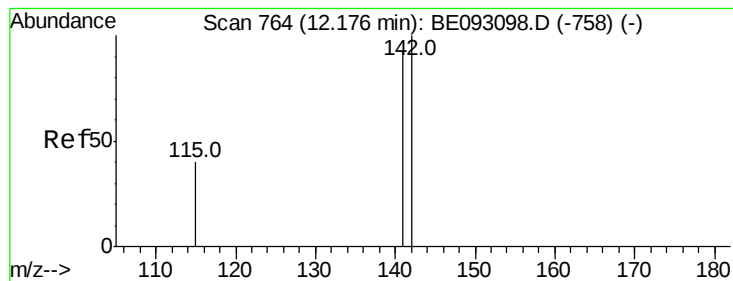
Tgt Ion:152 Resp: 2297

Ion Ratio Lower Upper

152 100

151 17.7 15.1 22.7





#12

2-Methylnaphthalene

Concen: 0.16 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :

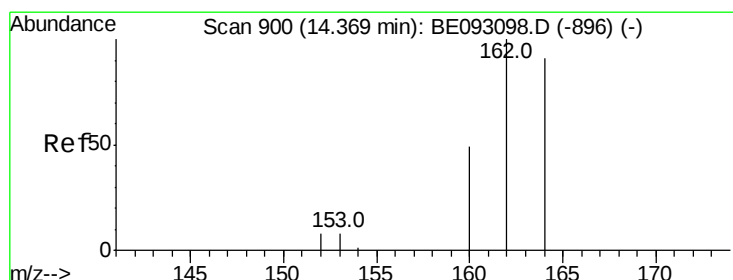
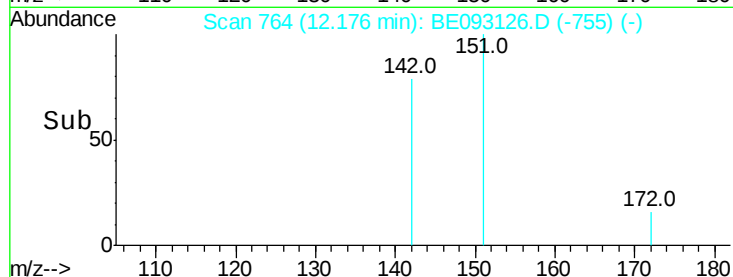
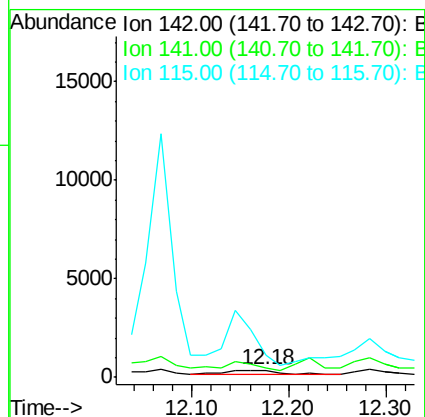
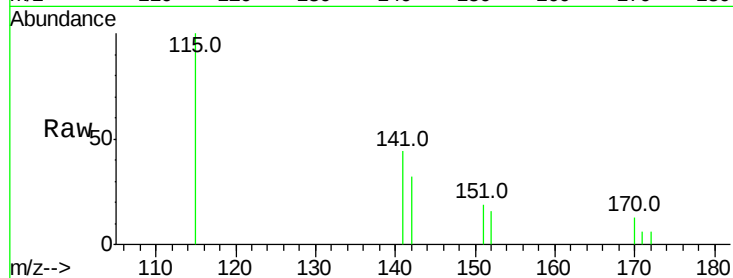
Tot Ion:142 Resp: 811

Ion Ratio Lower Upper

142 100

141 137.2 72.6 108.8#

115 313.5 32.2 48.2#



#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.42 min Scan# 903

Delta R.T. 0.05 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

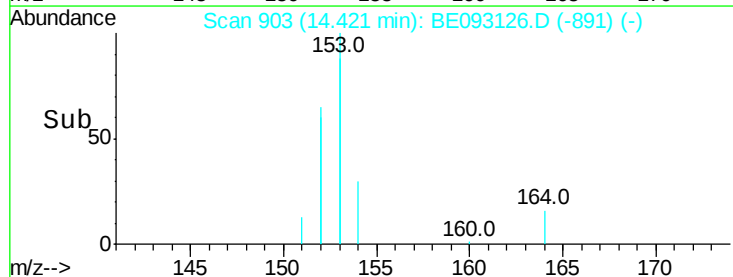
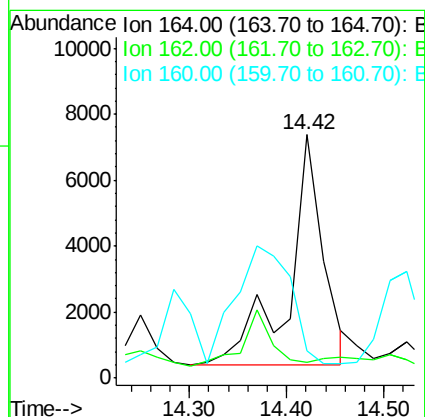
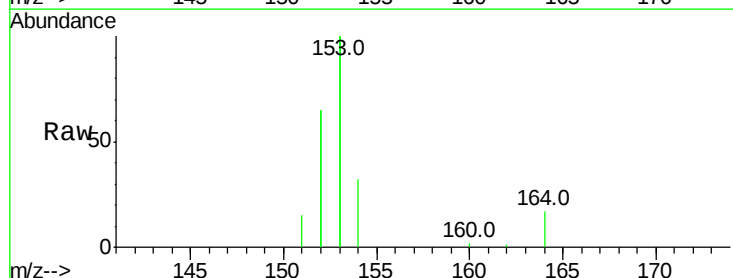
Tgt Ion:164 Resp: 17169

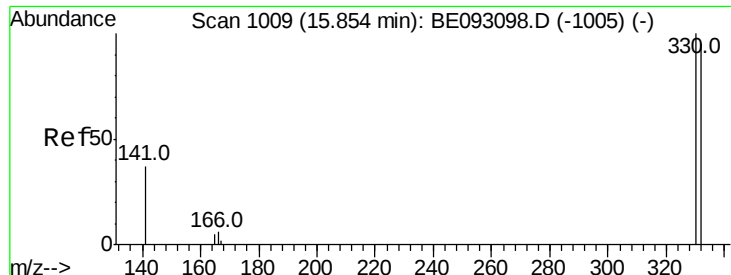
Ion Ratio Lower Upper

164 100

162 6.2 84.6 127.0#

160 11.3 41.8 62.6#

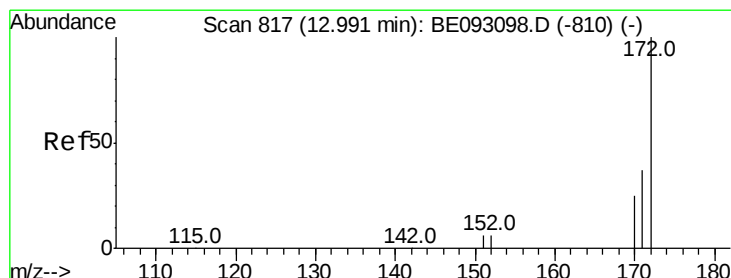
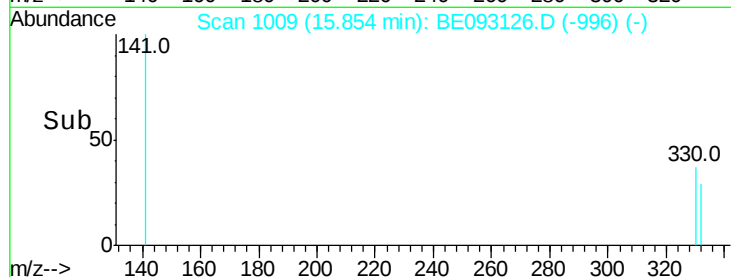
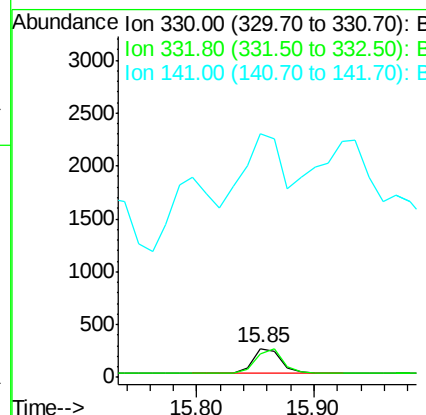
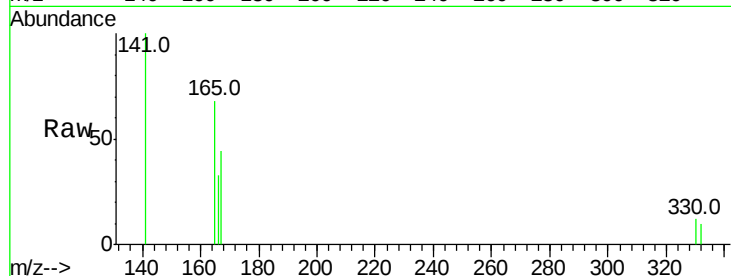




#14
 2,4,6-Tribromophenol
 Concen: 0.09 ng
 RT: 15.85 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BE093126.D
 Acq: 13 Jun 2017 6:13

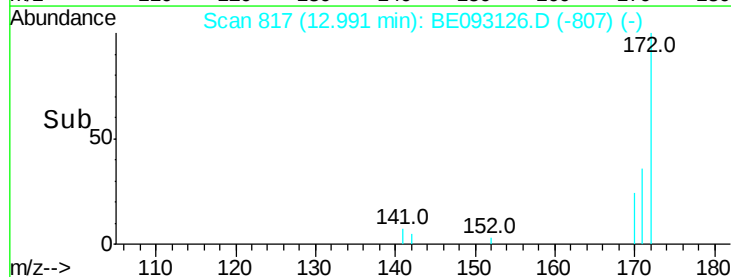
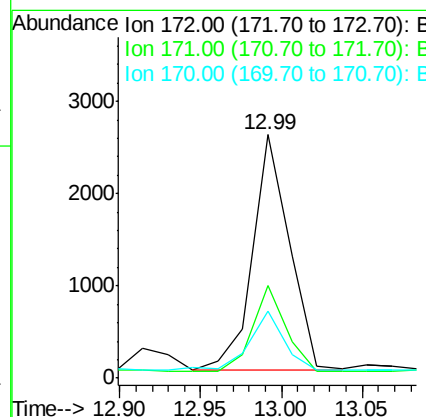
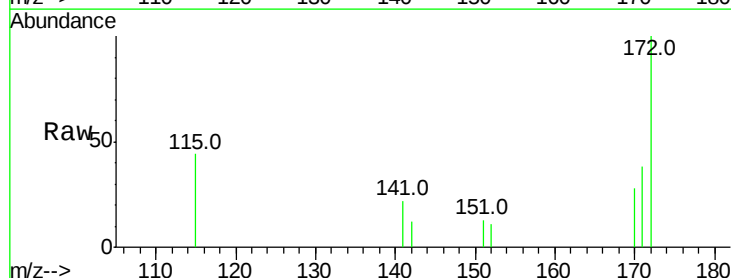
Instrument :
 BNA_E
 ClientSampleId :

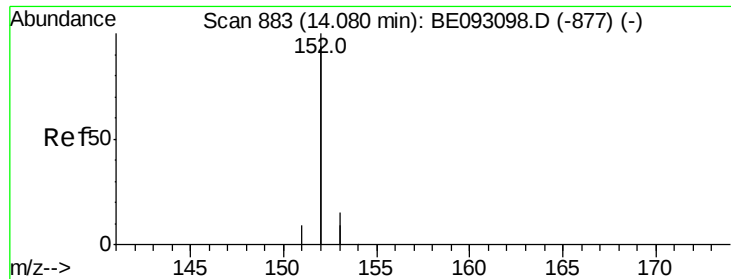
Tot Ion:330 Resp: 363
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.7 116.5
 141 463.6 56.2 84.4#



#15
 2-Fluorobiphenyl
 Concen: 0.05 ng
 RT: 12.99 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BE093126.D
 Acq: 13 Jun 2017 6:13

Tgt Ion:172 Resp: 4011
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.8 44.6
 170 27.6 20.7 31.1





#16

Acenaphthylene

Concen: 0.16 ng

RT: 14.08 min Scan# 883

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampled :

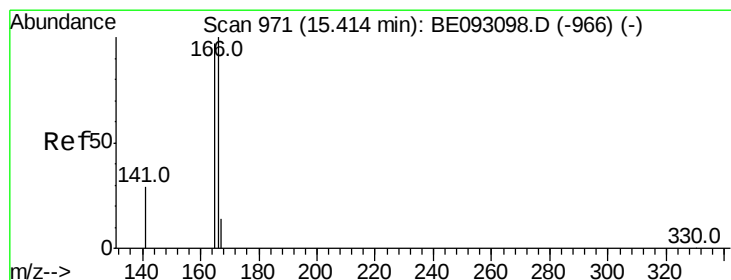
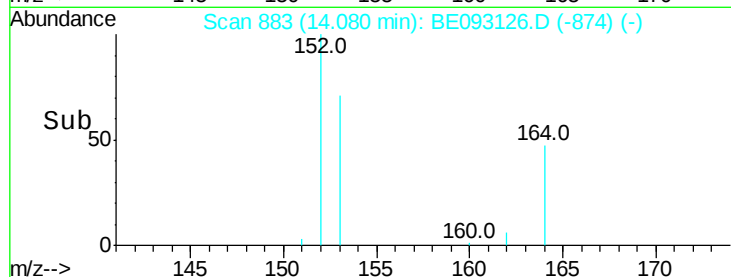
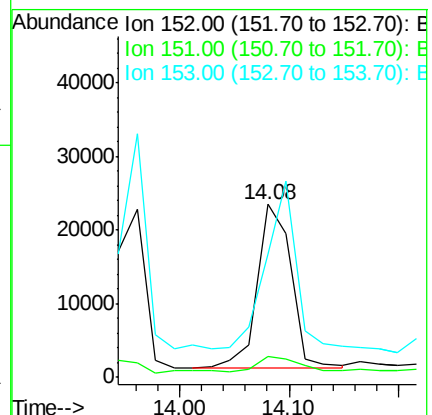
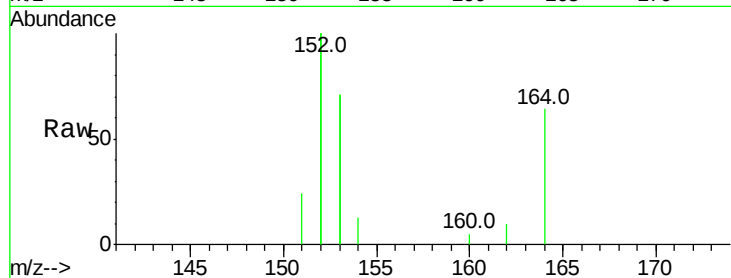
Tot Ion:152 Resp: 47464

Ion Ratio Lower Upper

152 100

151 10.8 4.0 6.0#

153 101.7 10.3 15.5#



#18

Fluorene

Concen: 1.08 ng

RT: 15.41 min Scan# 971

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

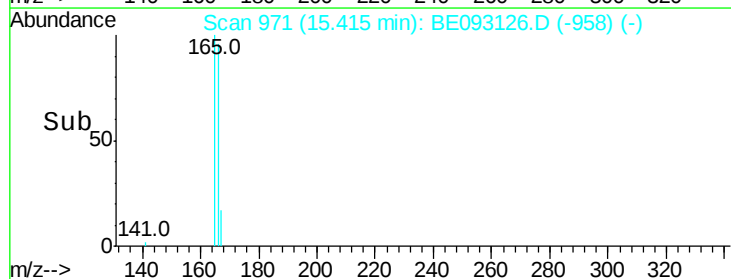
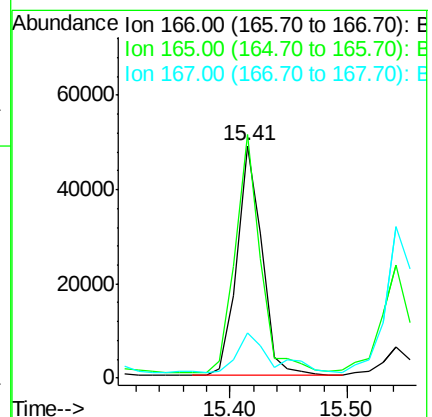
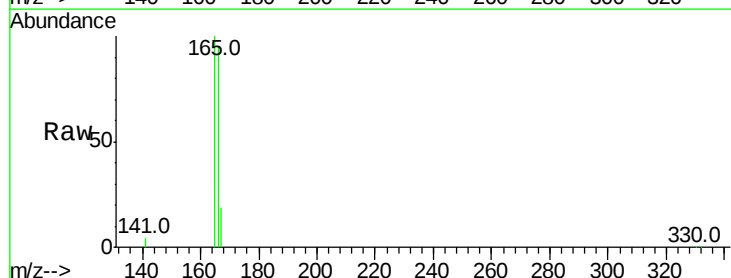
Tgt Ion:166 Resp: 72156

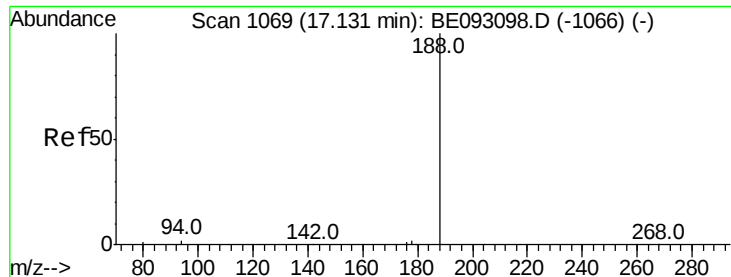
Ion Ratio Lower Upper

166 100

165 104.8 78.6 117.8

167 24.7 11.1 16.7#





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampled :

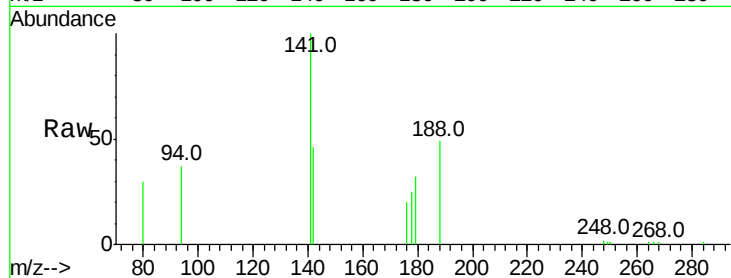
Tot Ion:188 Resp: 8707

Ion Ratio Lower Upper

188 100

94 75.4 11.3 16.9#

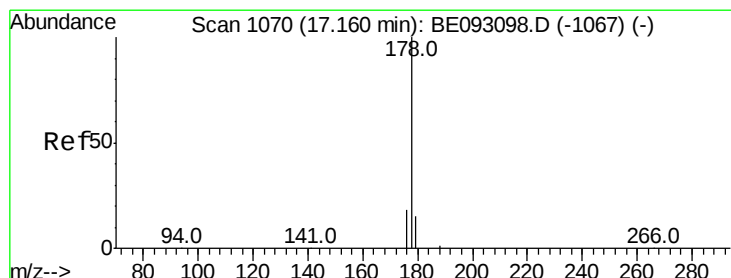
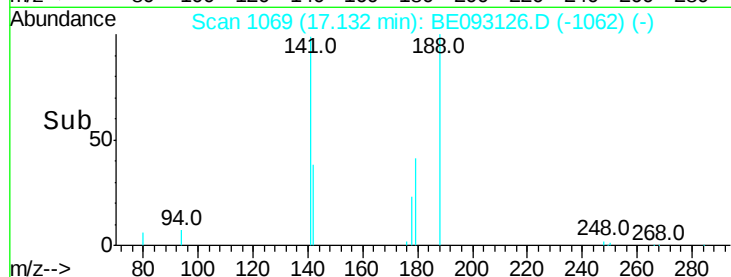
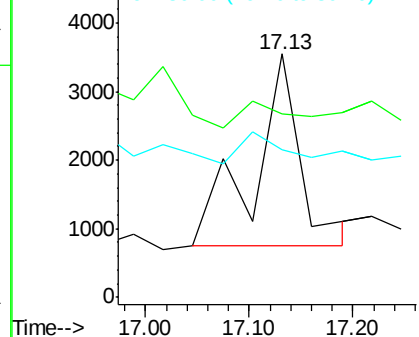
80 60.6 11.7 17.5#



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



#23

Phenanthrene

Concen: 0.39 ng

RT: 17.16 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

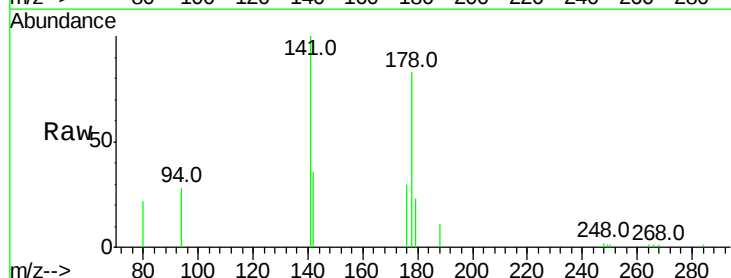
Tgt Ion:178 Resp: 15210

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

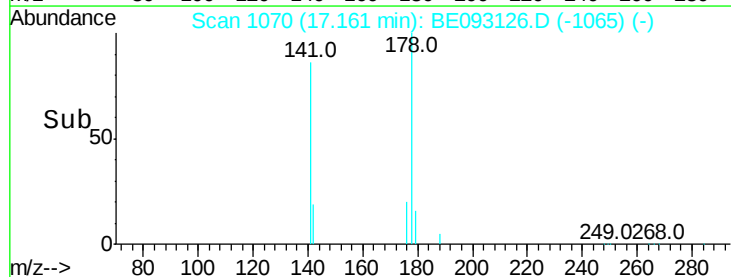
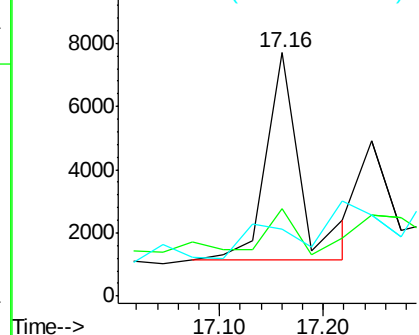
179 0.0 12.7 19.1#

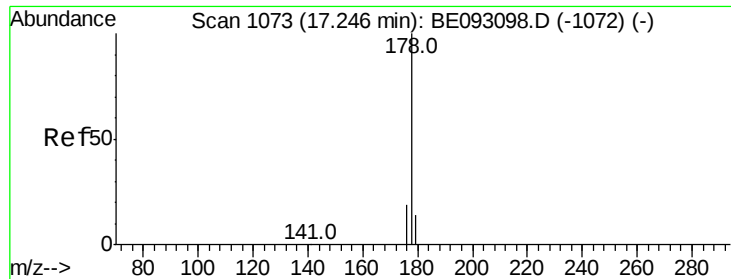


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.15 ng

RT: 17.25 min Scan# 1073

Delta R.T. 0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :

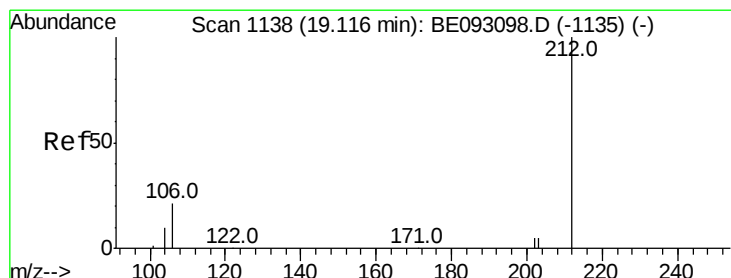
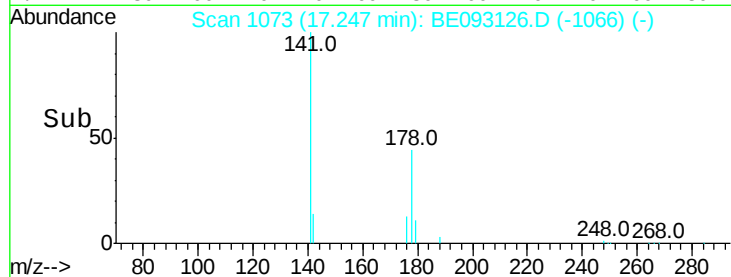
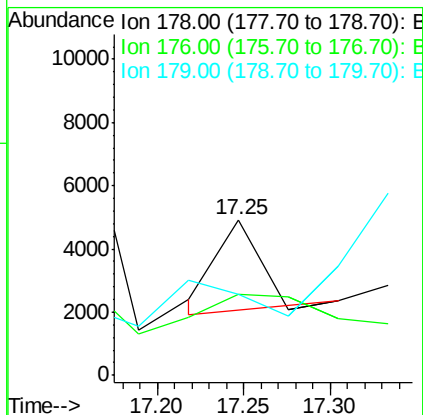
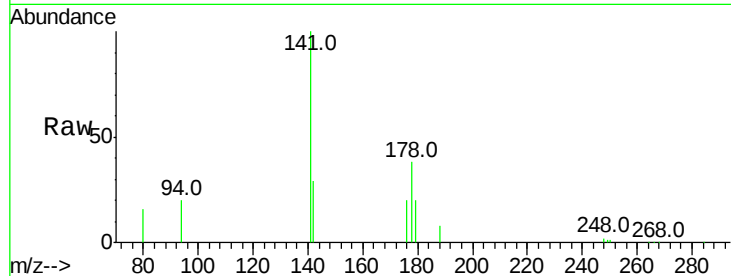
Tot Ion:178 Resp: 5144

Ion Ratio Lower Upper

178 100

176 129.5 14.6 22.0#

179 0.0 12.0 18.0#



#25

Fluoranthene-d10

Concen: 0.26 ng

RT: 19.13 min Scan# 1139

Delta R.T. 0.02 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

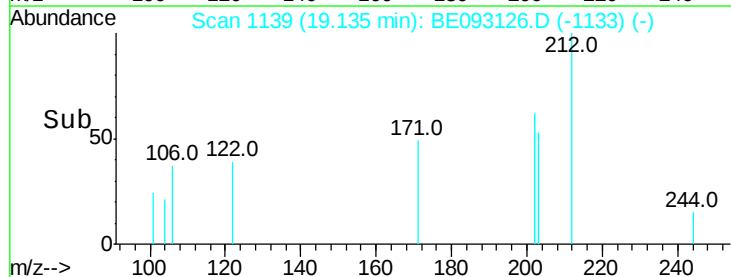
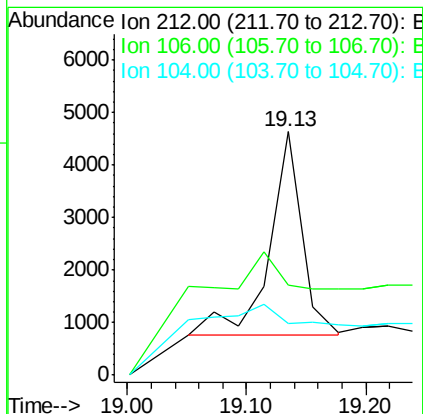
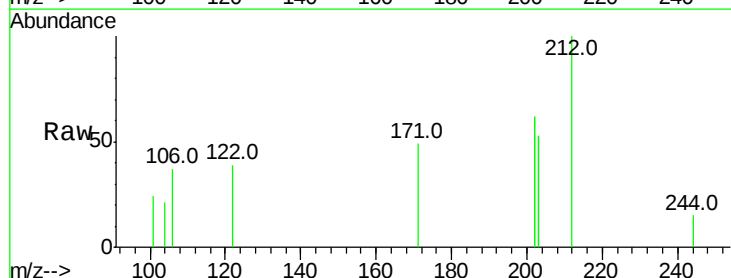
Tgt Ion:212 Resp: 7567

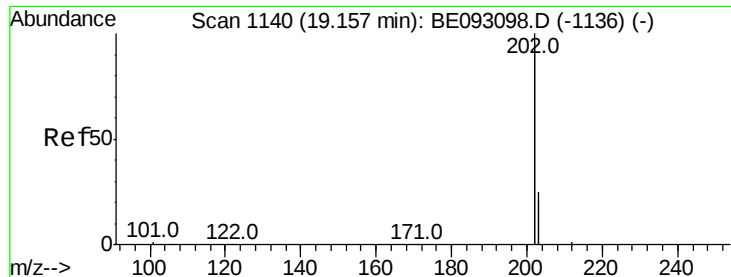
Ion Ratio Lower Upper

212 100

106 0.0 0.0 0.0

104 0.0 0.0 0.0

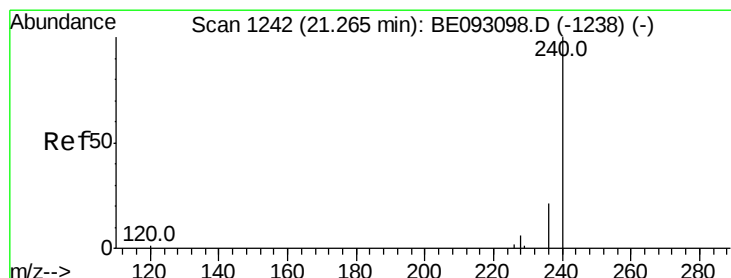
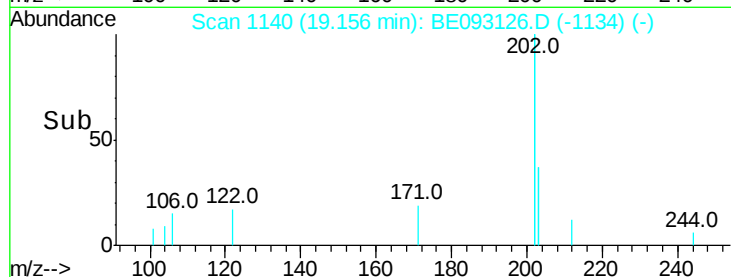
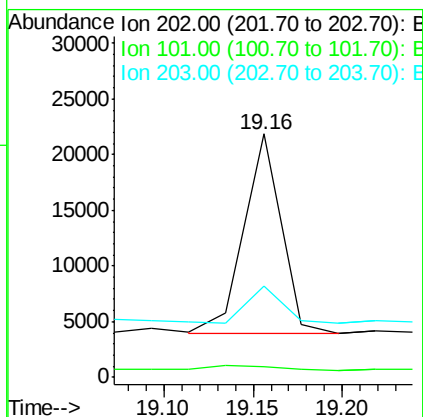
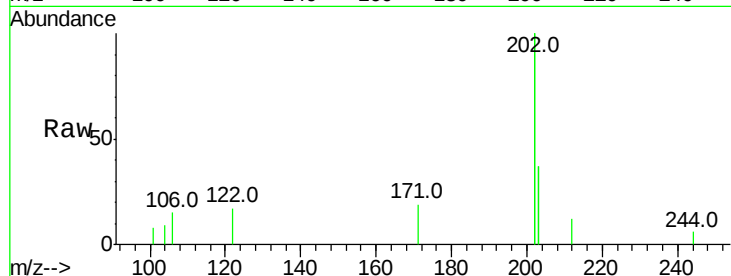




#26
 Fluoranthene
 Concen: 0.18 ng
 RT: 19.16 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BE093126.D
 Acq: 13 Jun 2017 6:13

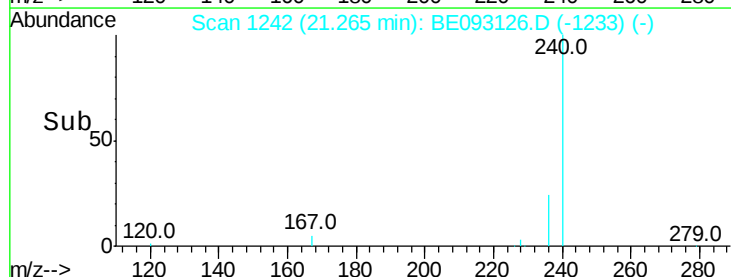
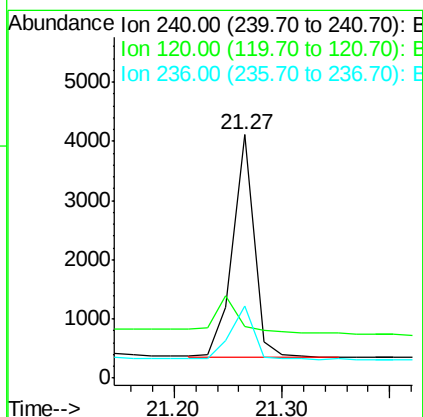
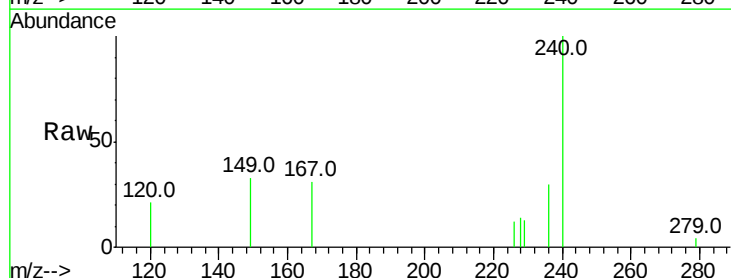
Instrument :
 BNA_E
 ClientSampled :

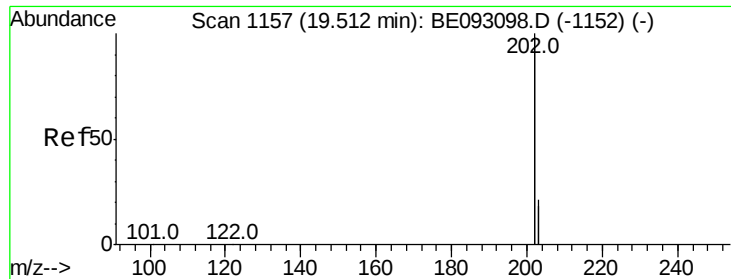
Tot Ion:202 Resp: 25678
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 0.0
 203 17.5 14.4 21.6



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.27 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BE093126.D
 Acq: 13 Jun 2017 6:13

Tgt Ion:240 Resp: 5124
 Ion Ratio Lower Upper
 240 100
 120 21.4 4.6 7.0#
 236 29.7 20.8 31.2





#28

Pvrene

Concen: 0.49 ng

RT: 19.51 min Scan# 1157

Delta R.T. -0.00 min

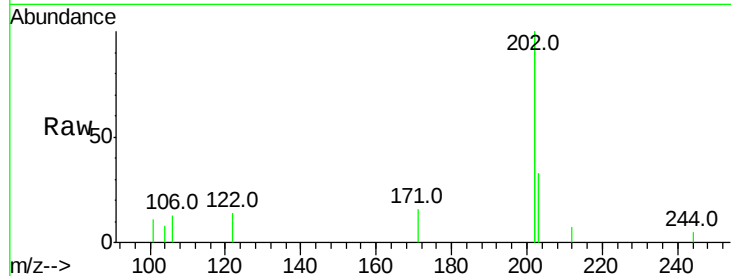
Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

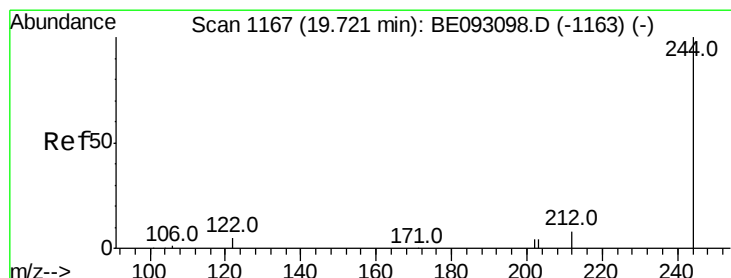
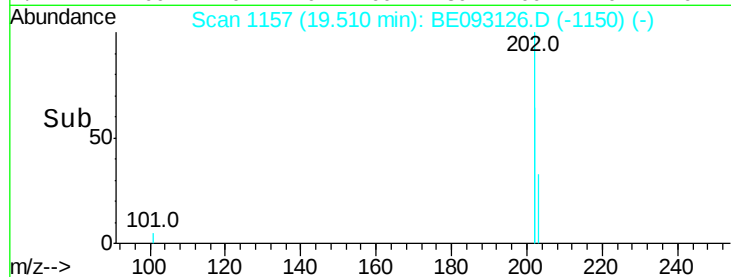
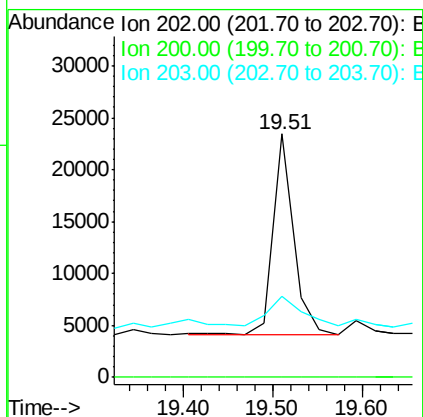
Instrument :

BNA_E

ClientSampleId :



Tot Ion:	202	Resp:	30599
Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	24.6	13.7	20.5#



#29

Terphenyl-d14

Concen: 0.39 ng

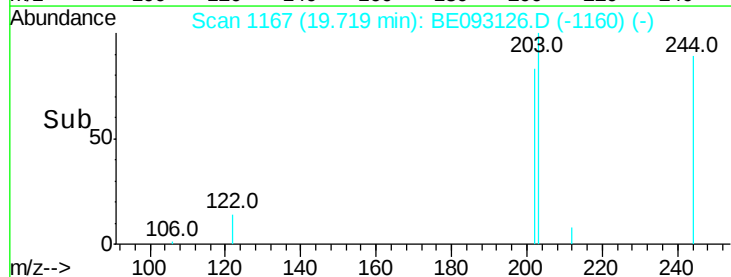
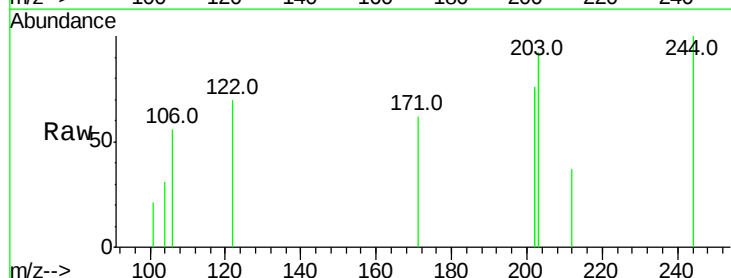
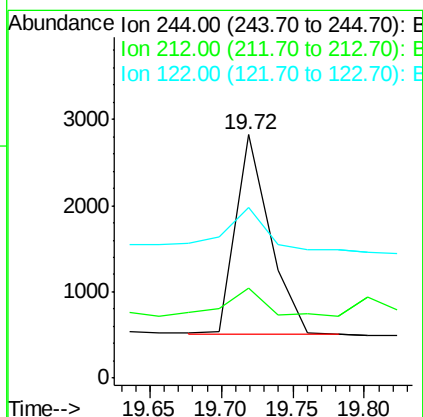
RT: 19.72 min Scan# 1167

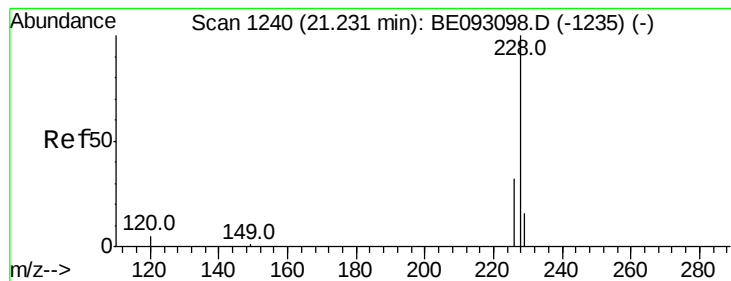
Delta R.T. -0.00 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Tgt Ion:	244	Resp:	3867
Ion	Ratio	Lower	Upper
244	100		
212	36.9	10.6	16.0#
122	70.0	15.4	23.0#





#30

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.25 min Scan# 1241

Delta R.T. 0.02 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :

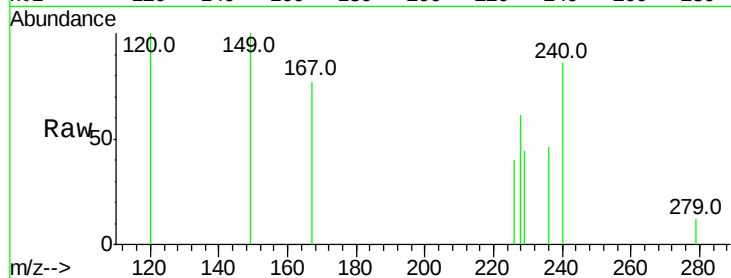
Tot Ion:228 Resp: 1280

Ion Ratio Lower Upper

228 100

226 66.2 19.7 29.5#

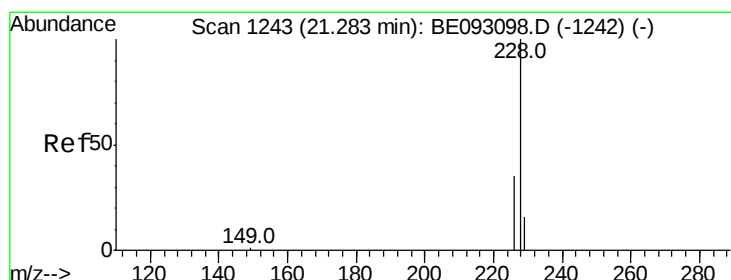
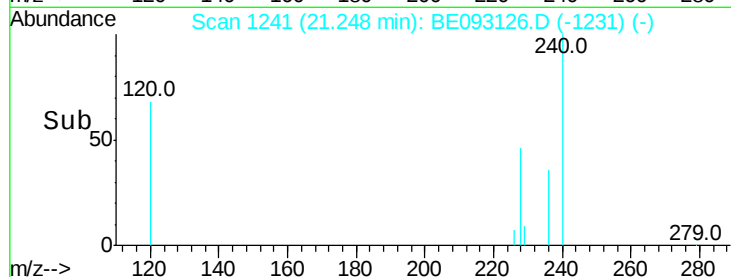
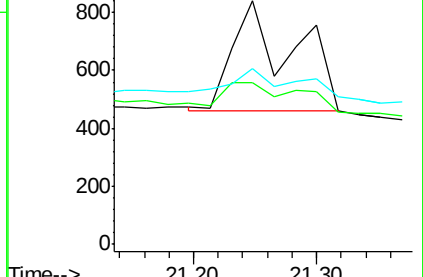
229 72.3 19.2 28.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.11 ng

RT: 21.25 min Scan# 1241

Delta R.T. -0.03 min

Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

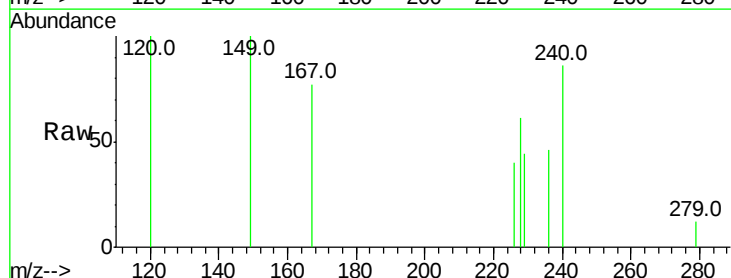
Tgt Ion:228 Resp: 1572

Ion Ratio Lower Upper

228 100

226 66.2 21.5 32.3#

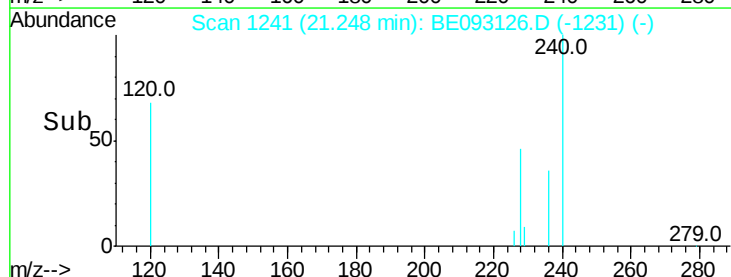
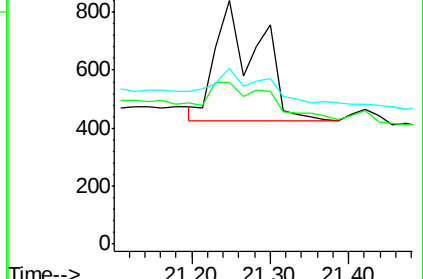
229 72.3 18.6 28.0#

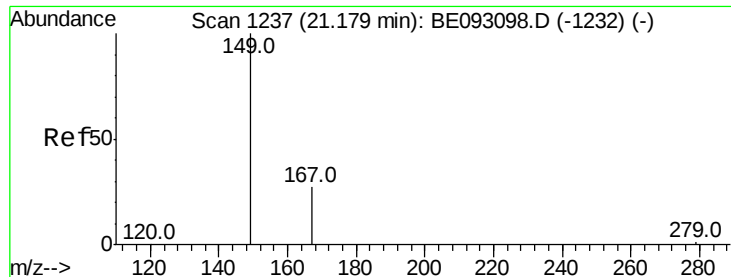


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

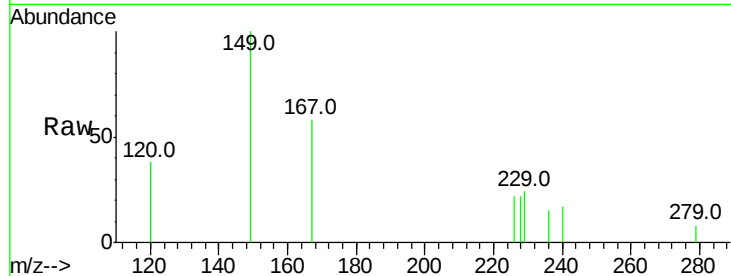




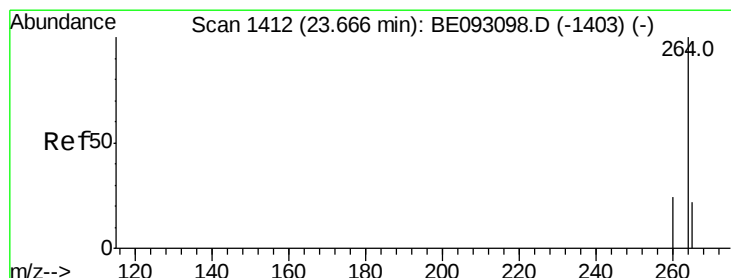
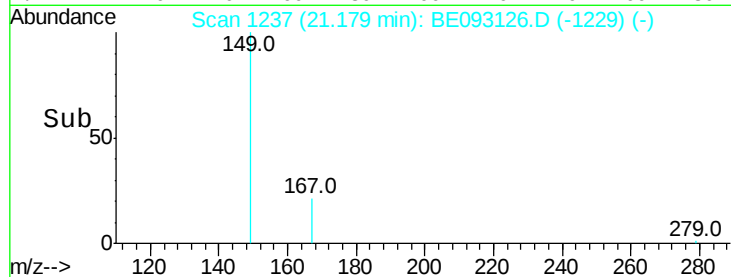
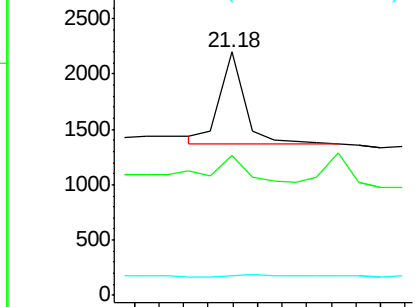
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.20 ng
 RT: 21.18 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: BE093126.D
 Acq: 13 Jun 2017 6:13

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:149 Resp: 1205
 Ion Ratio Lower Upper
 149 100
 167 40.0 20.1 30.1#
 279 3.2 2.2 3.4

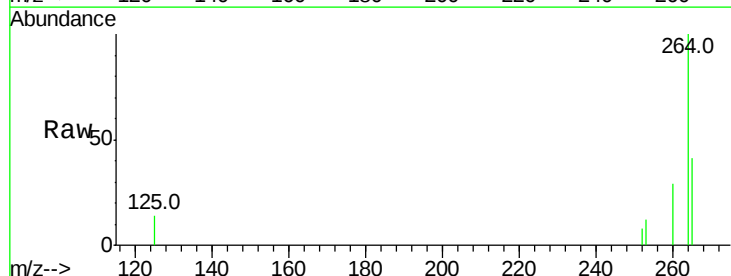


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

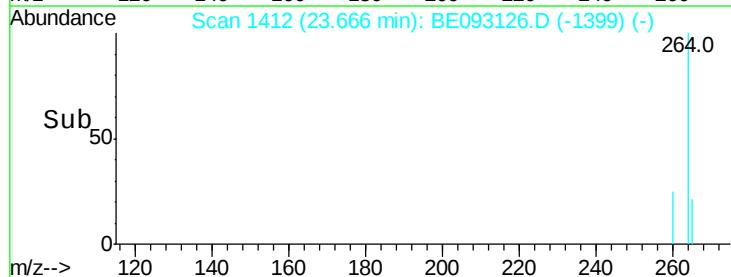
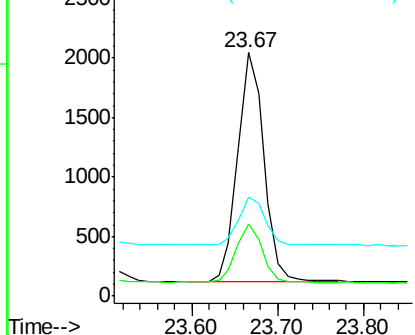


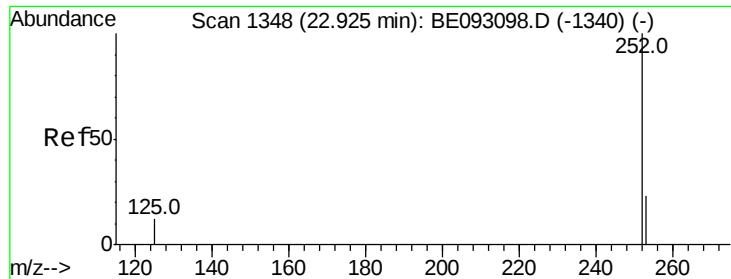
#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.67 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BE093126.D
 Acq: 13 Jun 2017 6:13

Tgt Ion:264 Resp: 4127
 Ion Ratio Lower Upper
 264 100
 260 29.4 21.0 31.4
 265 40.6 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

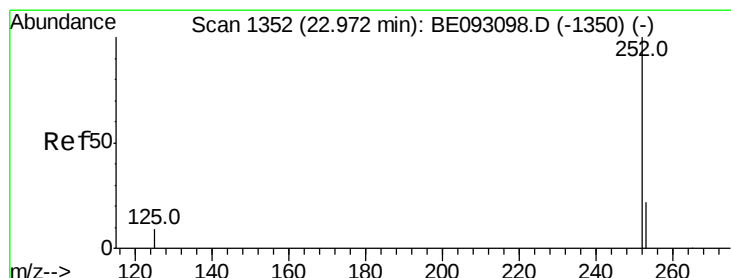
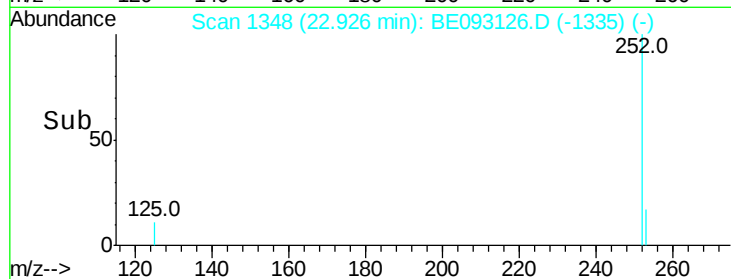
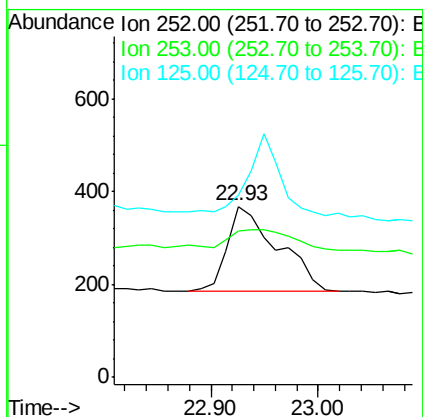
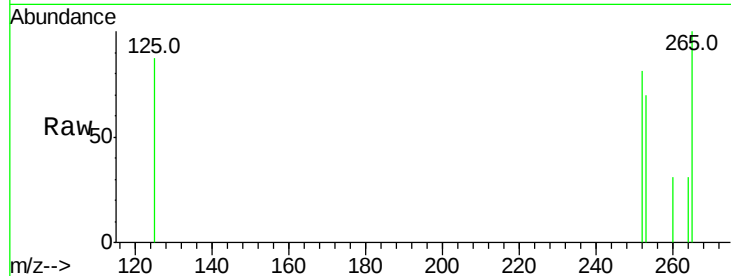




#35
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.93 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BE093126.D
Acq: 13 Jun 2017 6:13

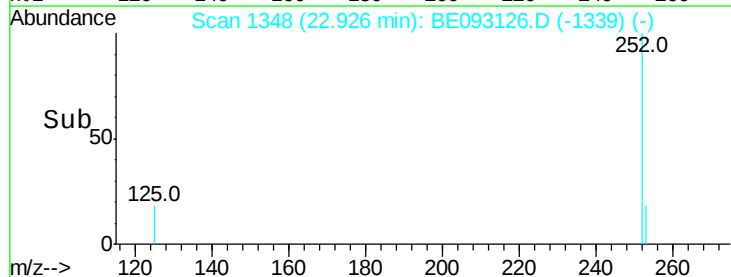
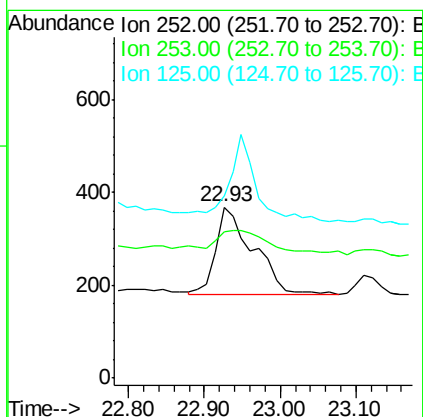
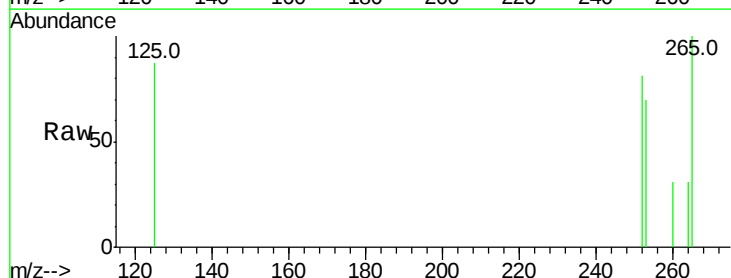
Instrument :
BNA_E
ClientSampleId :

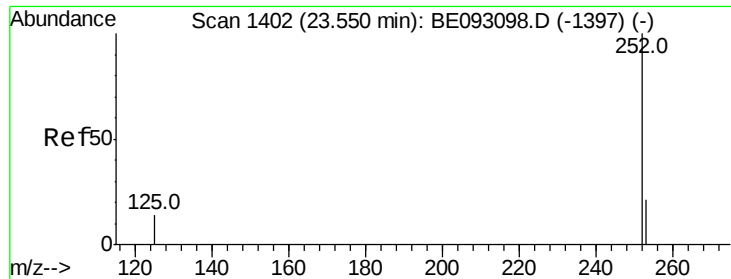
Tot Ion:252 Resp: 588
Ion Ratio Lower Upper
252 100
253 85.6 18.5 27.7#
125 107.1 13.4 20.0#



#36
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 22.93 min Scan# 1348
Delta R.T. -0.05 min
Lab File: BE093126.D
Acq: 13 Jun 2017 6:13

Tgt Ion:252 Resp: 644
Ion Ratio Lower Upper
252 100
253 85.6 20.3 30.5#
125 107.1 12.2 18.4#





#37

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.55 min Scan# 1402

Delta R.T. 0.00 min

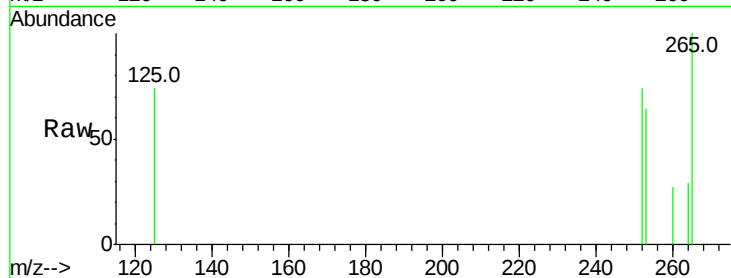
Lab File: BE093126.D

Acq: 13 Jun 2017 6:13

Instrument :

BNA_E

ClientSampleId :



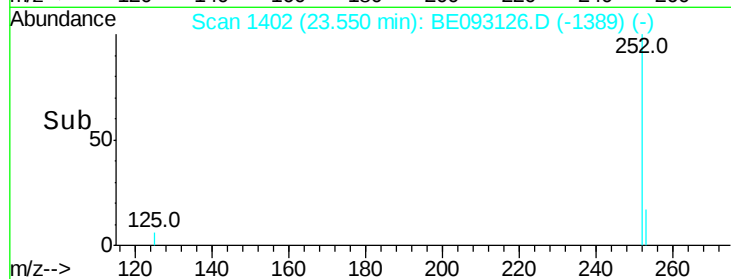
Tot Ion: 252 Resp: 389

Ion Ratio Lower Upper

252 100

253 86.6 19.9 29.9#

125 100.0 14.6 21.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

