

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093116.D
 Acq On : 13 Jun 2017 00:03
 Operator : SJ/MA
 Sample : I3460-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:13:12 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	561	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	2682	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	1463	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3107	0.40	ng	0.00
27) Chrysene-d12	21.27	240	5044	0.40	ng	0.00
34) Perylene-d12	23.67	264	4229	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	360	0.22	ng	0.00
5) Phenol-d6	6.90	99	315	0.13	ng	0.00
8) Nitrobenzene-d5	8.88	82	1009	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1707	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	206	0.62	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	3838	0.61	ng	0.00
25) Fluoranthene-d10	19.12	212	4938	0.48	ng	0.00
29) Terphenyl-d14	19.72	244	4704	0.48	ng	0.00

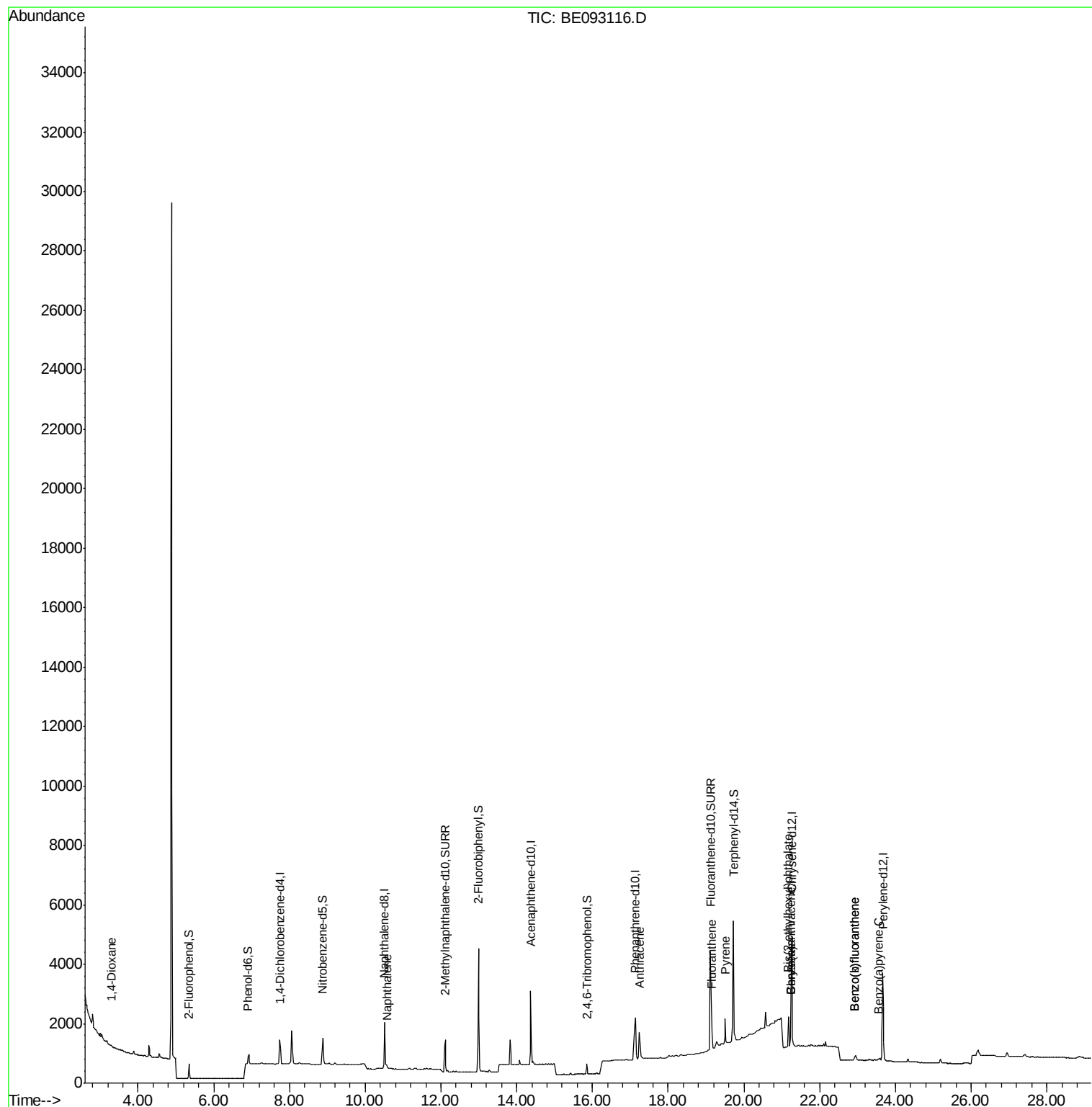
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.29	88	35	0.03	ng	# 20
9) Naphthalene	10.56	128	164	0.02	ng	# 29
24) Anthracene	17.25	178	1478	0.12	ng	# 92
26) Fluoranthene	19.16	202	954	0.02	ng	# 59
28) Pyrene	19.51	202	1151	0.02	ng	# 77
30) Benzo(a)anthracene	21.23	228	334	0.02	ng	# 6
31) Chrysene	21.23	228	336	0.02	ng	# 9
32) Bis(2-ethylhexyl)phthalate	21.18	149	1004	0.16	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	344	0.03	ng	# 1
36) Benzo(k)fluoranthene	22.93	252	355	0.03	ng	# 1
37) Benzo(a)pyrene	23.55	252	131	0.01	ng	# 1

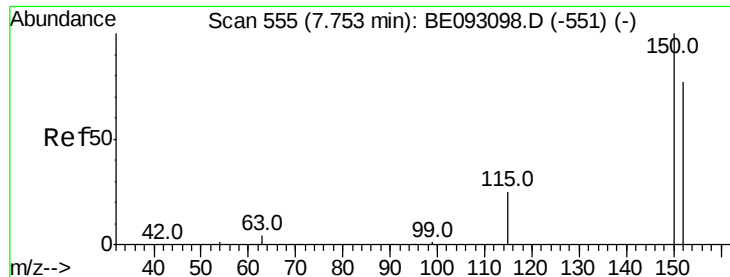
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

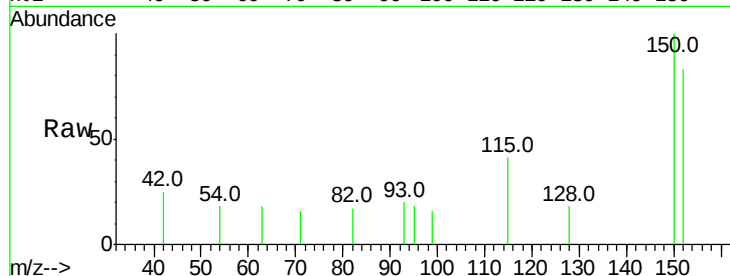
Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampled :



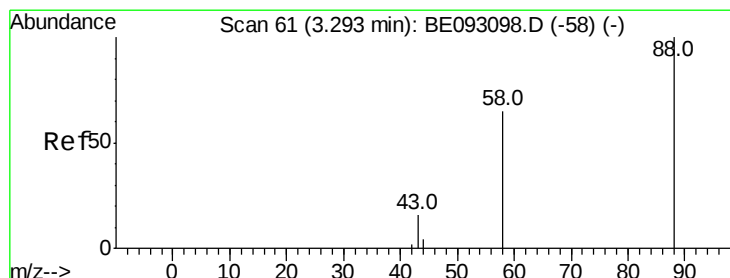
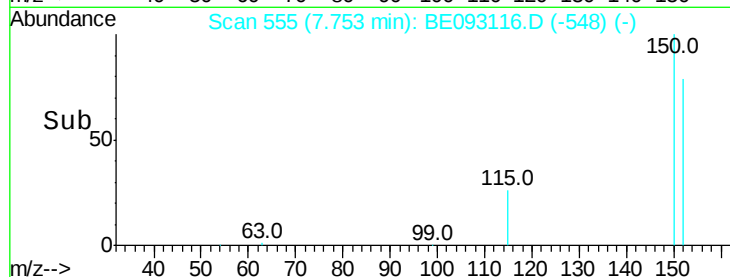
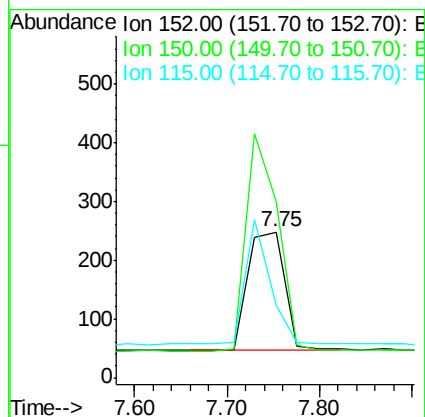
Tot Ion:152 Resp: 561

Ion Ratio Lower Upper

152 100

150 121.0 125.1 187.7#

115 49.6 55.7 83.5#



#2

1,4-Dioxane

Concen: 0.03 ng

RT: 3.29 min Scan# 61

Delta R.T. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

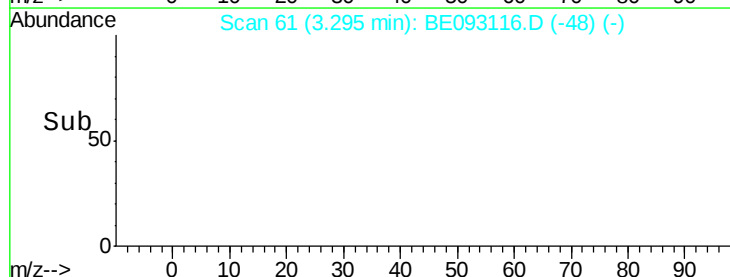
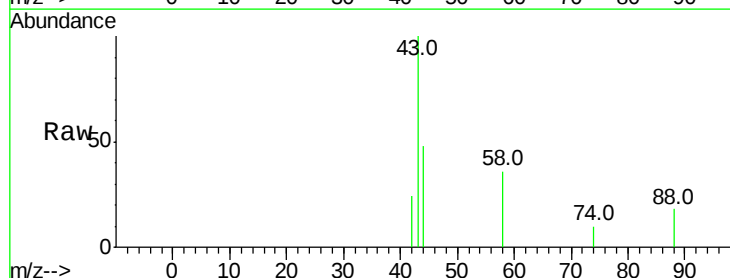
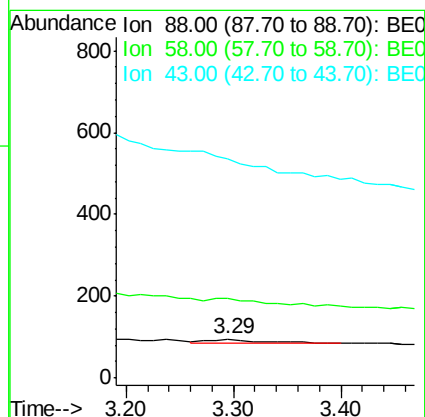
Tgt Ion: 88 Resp: 35

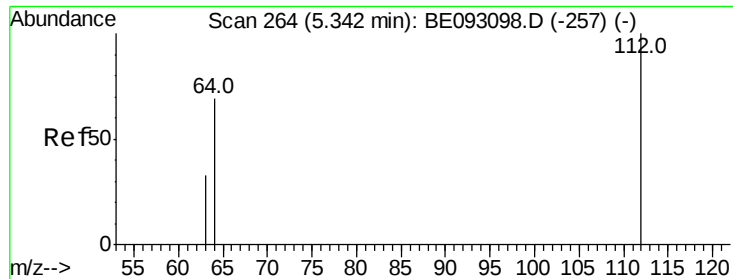
Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

43 0.0 23.2 34.8#





#4

2-Fluorophenol

Concen: 0.22 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampleId :

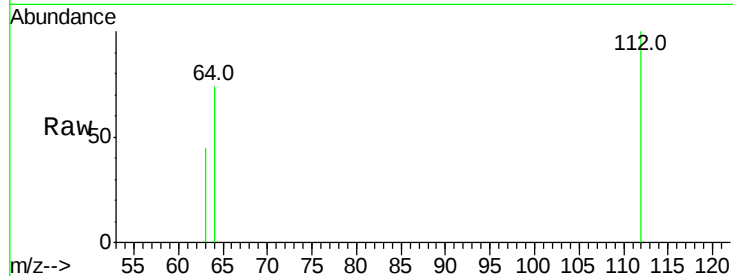
Tot Ion:112 Resp: 360

Ion Ratio Lower Upper

112 100

64 70.6 56.4 84.6

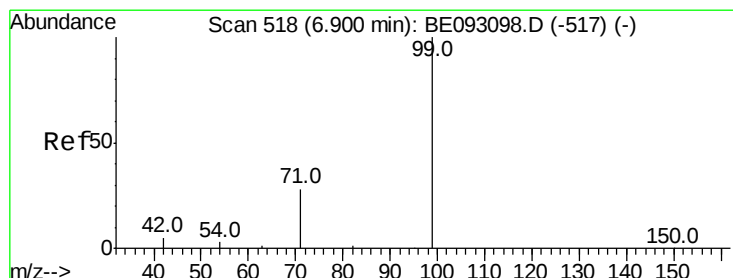
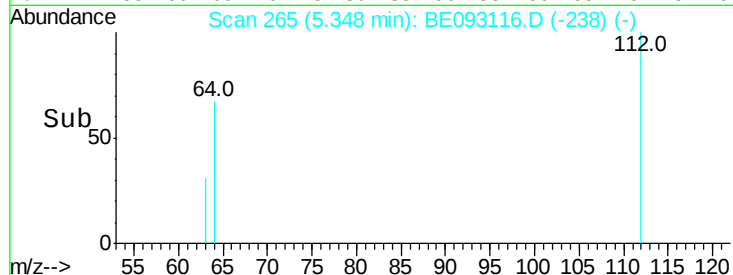
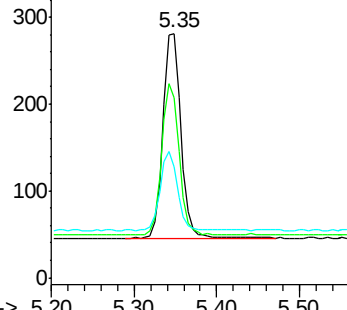
63 37.2 29.3 43.9



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: 0.13 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

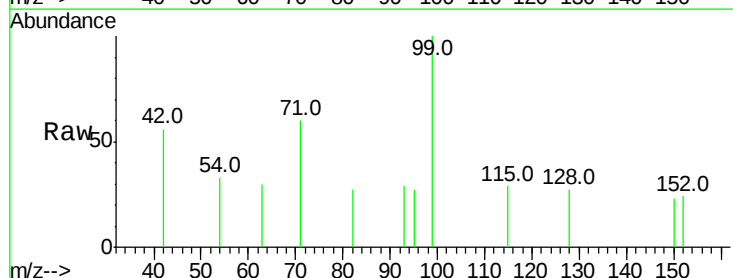
Tgt Ion: 99 Resp: 315

Ion Ratio Lower Upper

99 100

42 33.3 0.0 0.0#

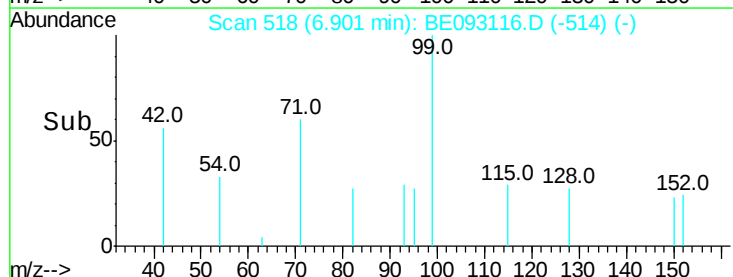
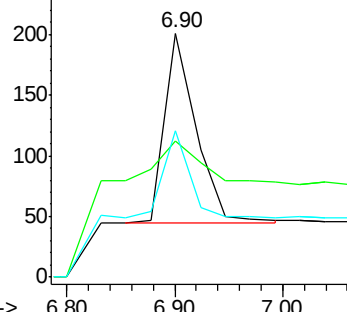
71 38.1 0.0 0.0#

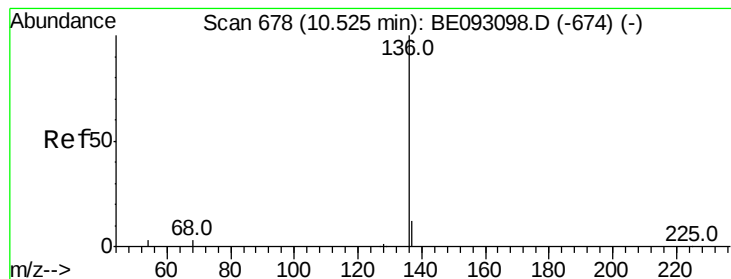


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2682

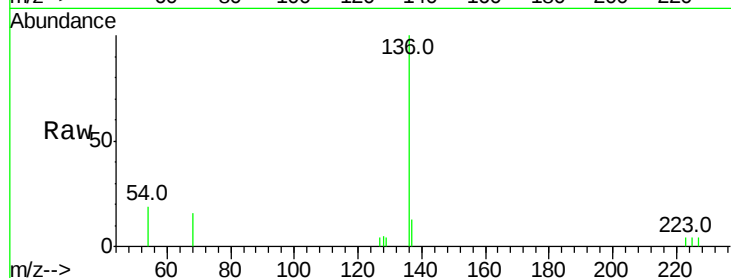
Ion Ratio Lower Upper

136 100

137 13.4 9.8 14.8

54 18.9 10.3 15.5#

68 16.3 9.0 13.4#

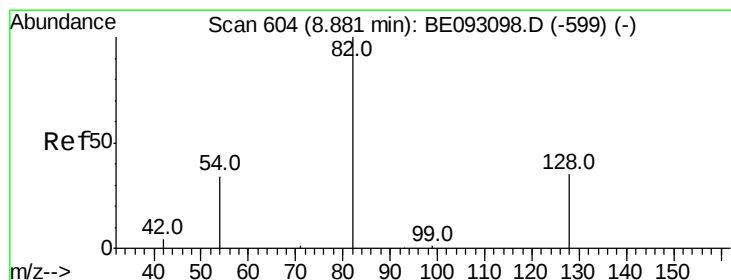
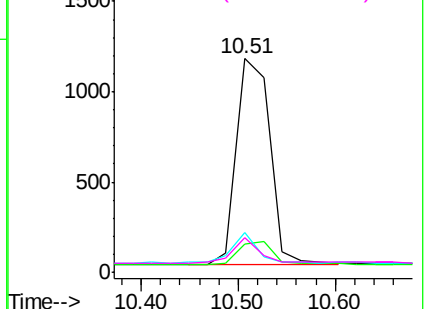
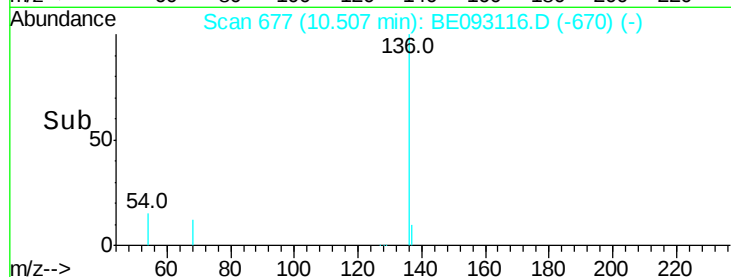


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.47 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

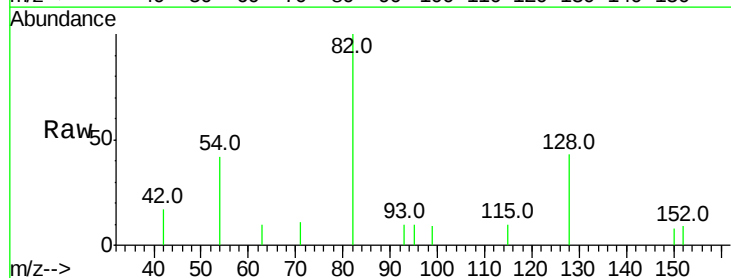
Tgt Ion: 82 Resp: 1009

Ion Ratio Lower Upper

82 100

128 43.2 17.0 25.4#

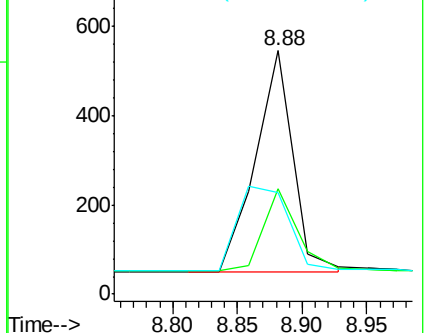
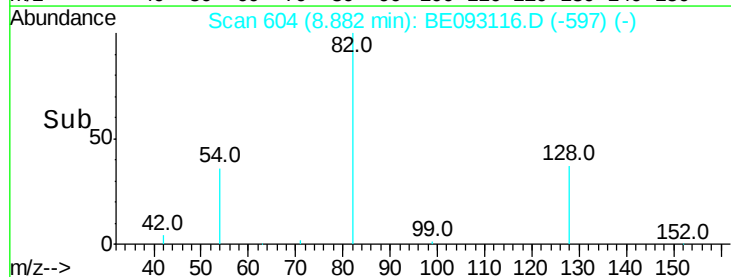
54 41.8 53.8 80.6#

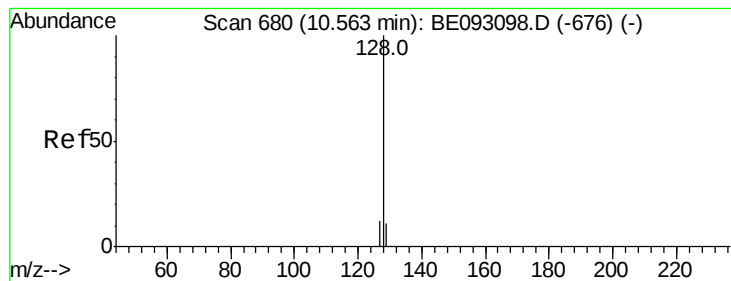


Abundance Ion 82.00 (81.70 to 82.70): BE0

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. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampleId :

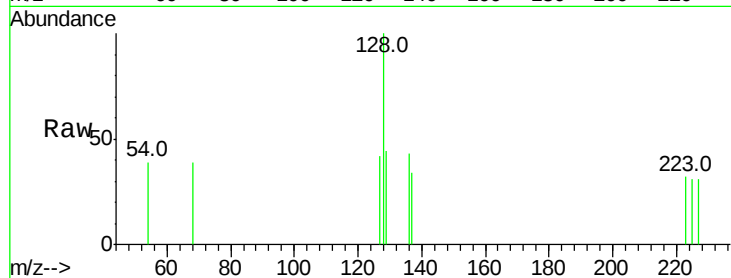
Tot Ion:128 Resp: 164

Ion Ratio Lower Upper

128 100

129 44.4 11.4 17.0#

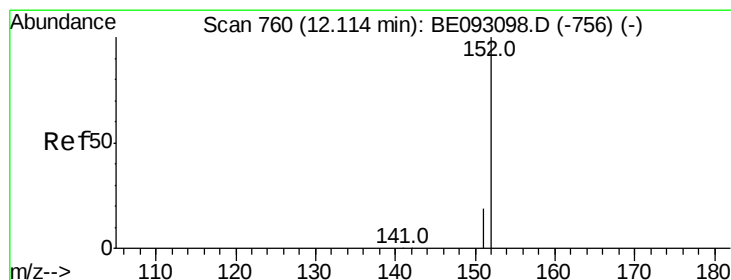
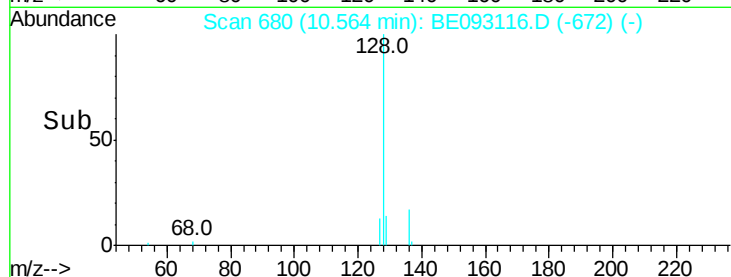
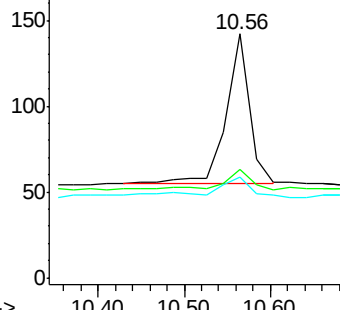
127 41.5 11.2 16.8#



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: 0.42 ng

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093116.D

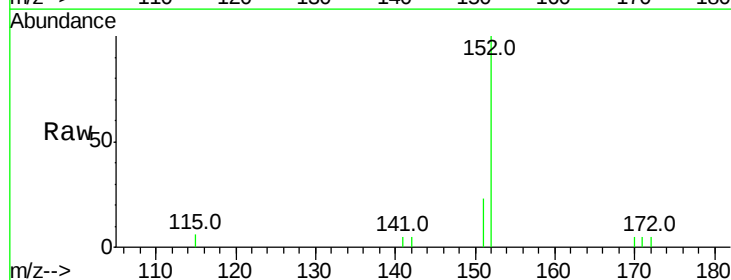
Acq: 13 Jun 2017 00:03

Tgt Ion:152 Resp: 1707

Ion Ratio Lower Upper

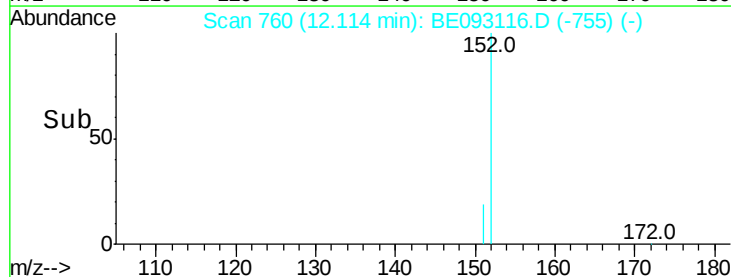
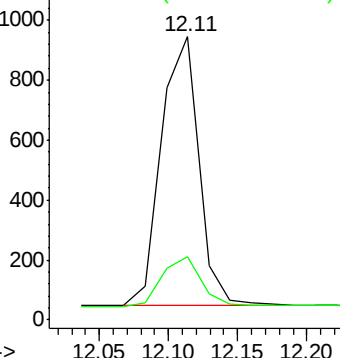
152 100

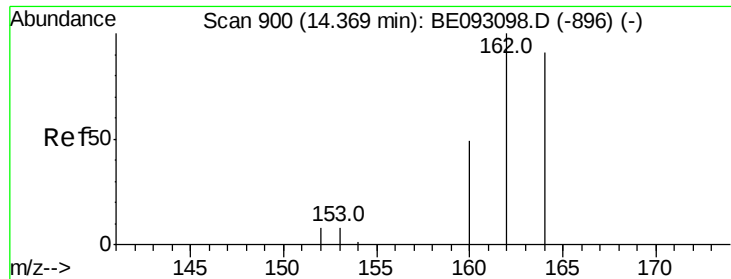
151 19.3 15.1 22.7



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: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampleId :

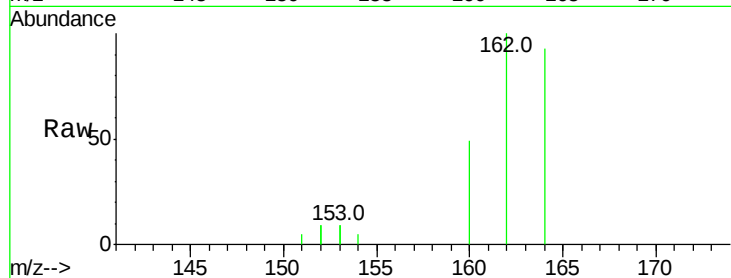
Tot Ion:164 Resp: 1463

Ion Ratio Lower Upper

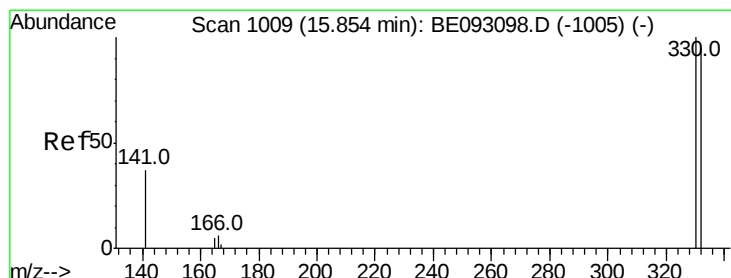
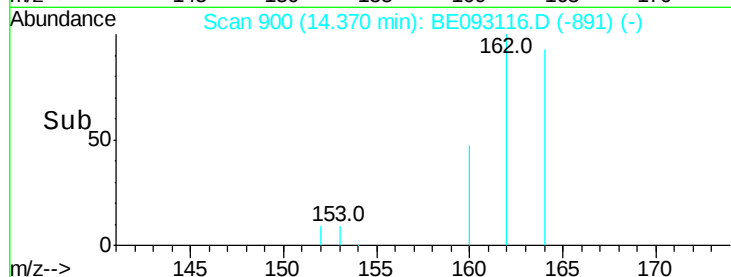
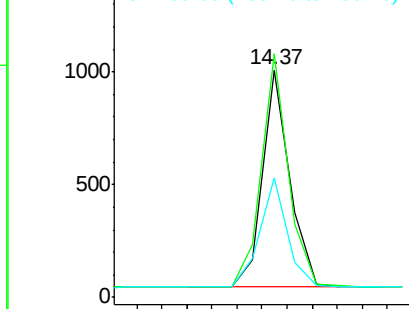
164 100

162 107.0 84.6 127.0

160 52.5 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: 0.62 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

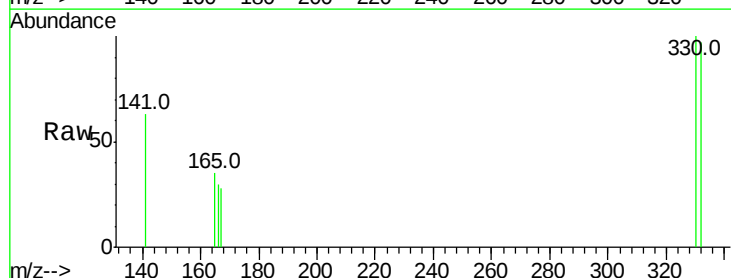
Tgt Ion:330 Resp: 206

Ion Ratio Lower Upper

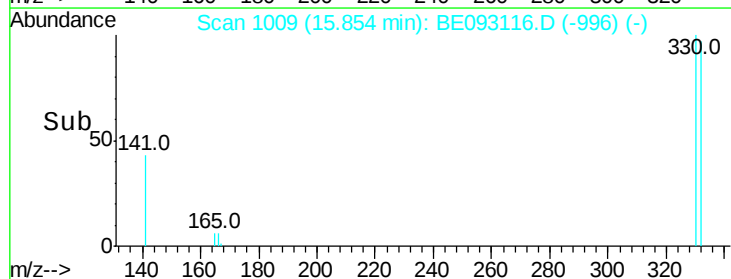
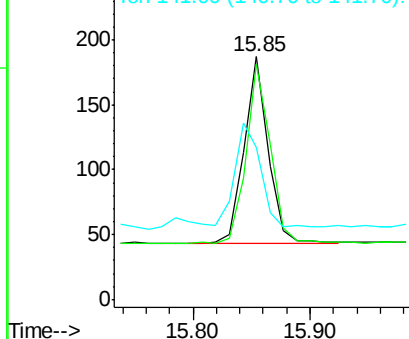
330 100

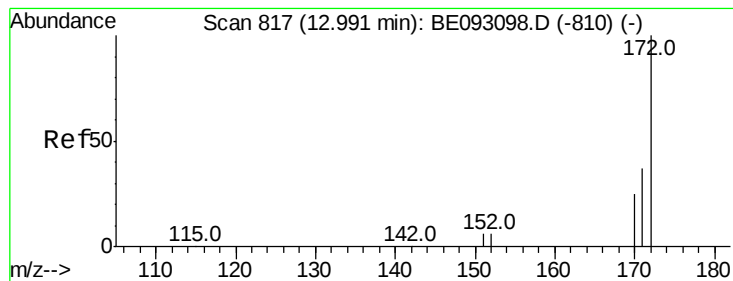
332 97.6 77.7 116.5

141 59.7 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



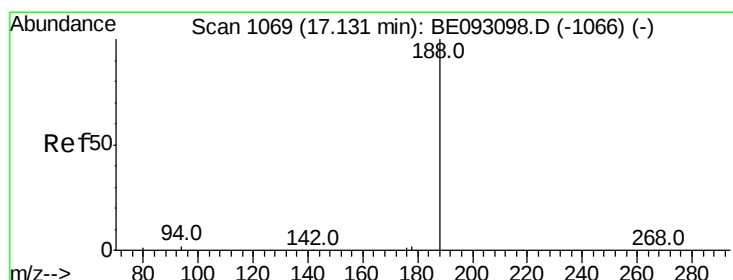
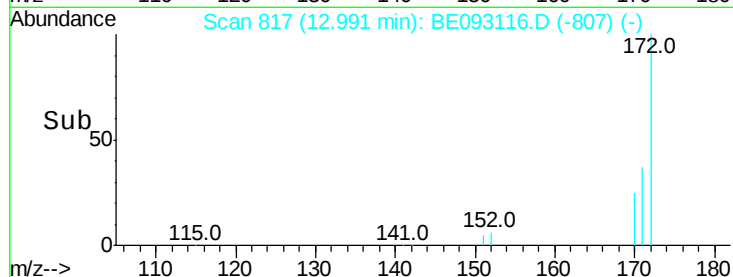
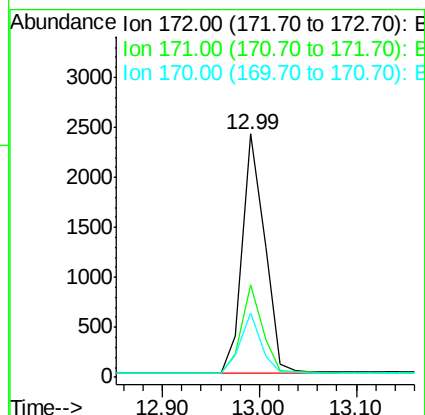
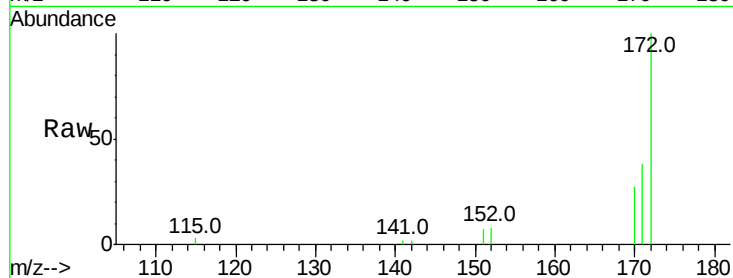


#15
 2-Fluorobiphenyl
 Concen: 0.61 ng
 RT: 12.99 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BE093116.D
 Acq: 13 Jun 2017 00:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 3838

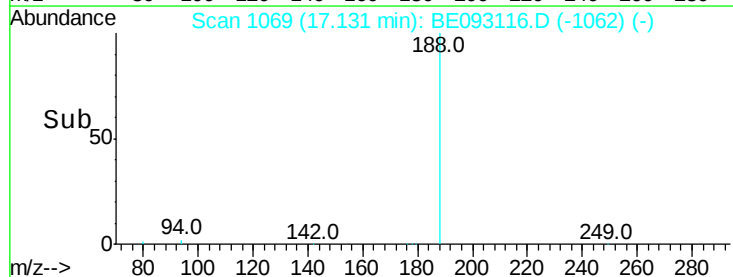
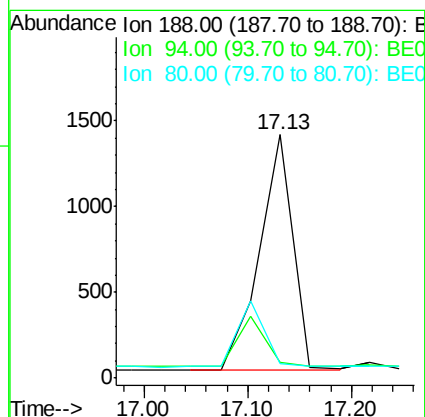
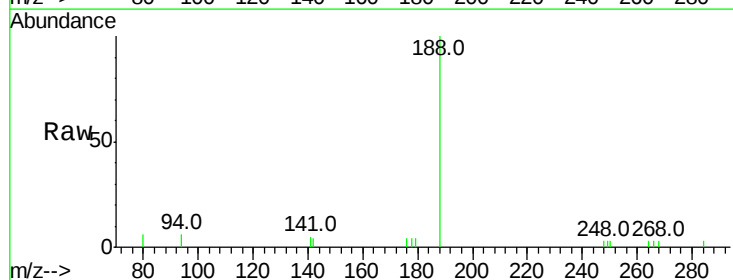
Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.8	44.6
170	26.6	20.7	31.1

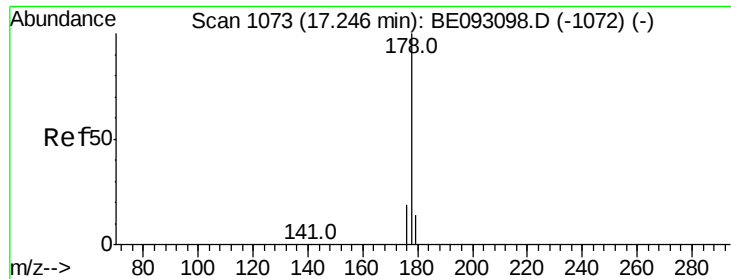


#19
 Phenanthrene-d10
 Concen: 0.40 ng
 RT: 17.13 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: BE093116.D
 Acq: 13 Jun 2017 00:03

Tgt Ion:188 Resp: 3107

Ion	Ratio	Lower	Upper
188	100		
94	6.5	11.3	16.9#
80	5.8	11.7	17.5#

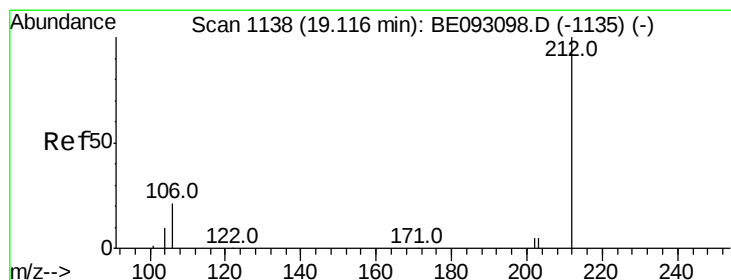
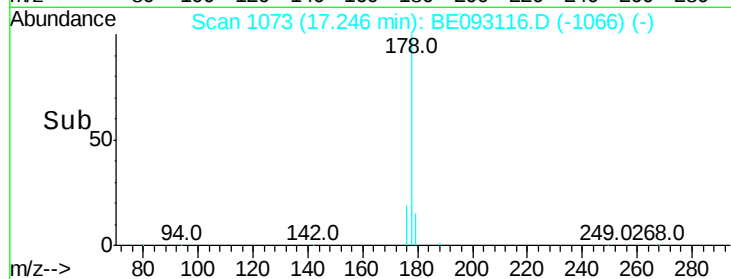
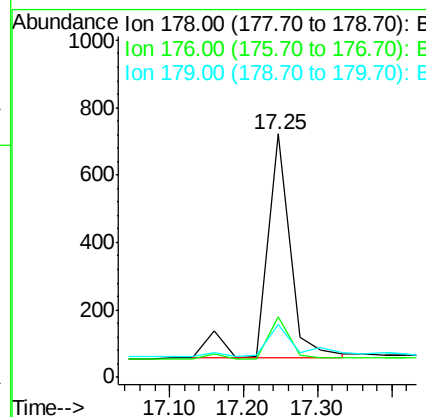
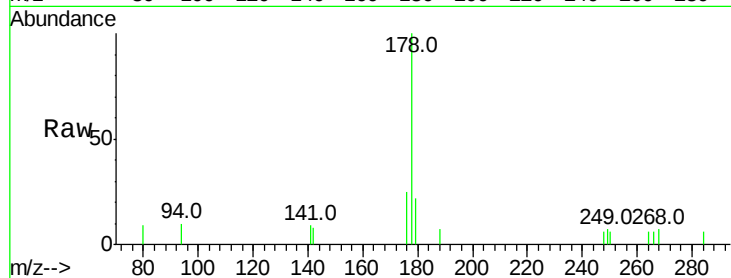




#24
 Anthracene
 Concen: 0.12 ng
 RT: 17.25 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: BE093116.D
 Acq: 13 Jun 2017 00:03

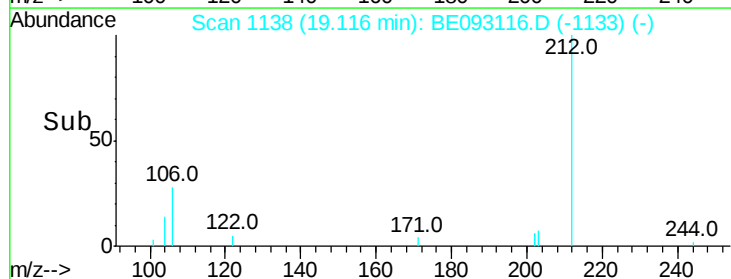
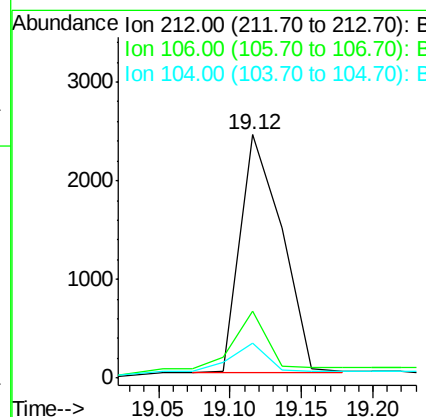
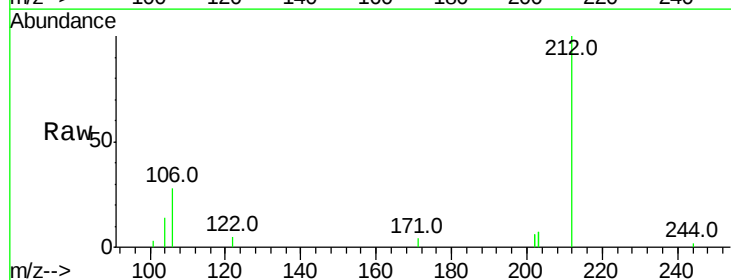
Instrument :
 BNA_E
 ClientSampleId :

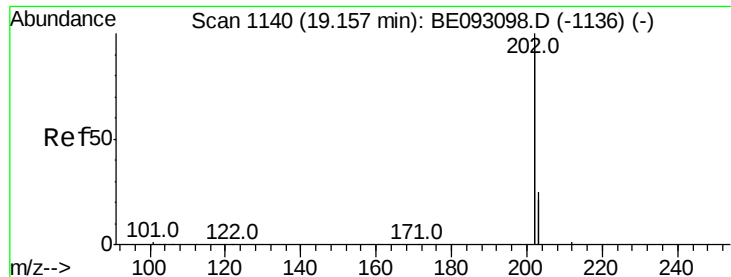
Tot Ion:178 Resp: 1478
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.6 22.0
 179 20.6 12.0 18.0#



#25
 Fluoranthene-d10
 Concen: 0.48 ng
 RT: 19.12 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BE093116.D
 Acq: 13 Jun 2017 00:03

Tgt Ion:212 Resp: 4938
 Ion Ratio Lower Upper
 212 100
 106 18.4 0.0 0.0#
 104 9.6 0.0 0.0#

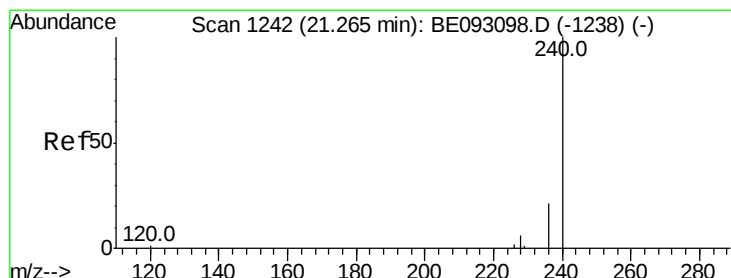
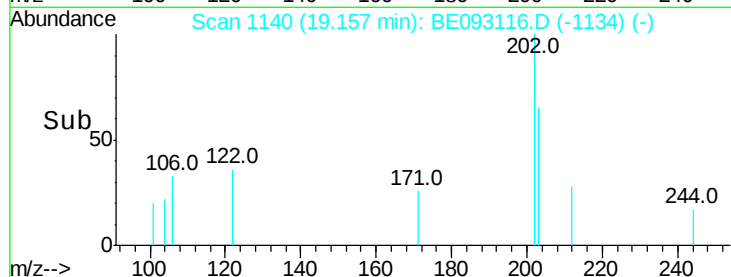
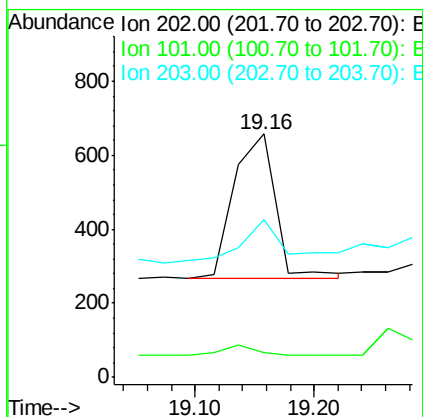
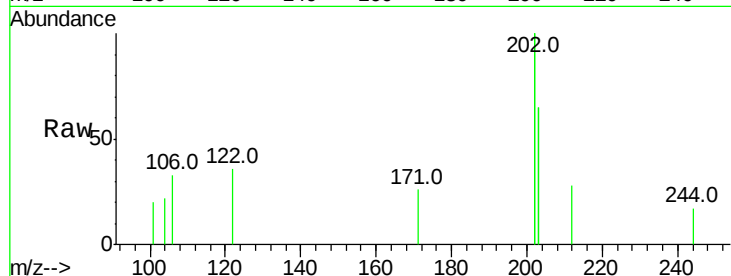




#26
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.16 min Scan# 1140
 Delta R.T. -0.00 min
 Lab File: BE093116.D
 Acq: 13 Jun 2017 00:03

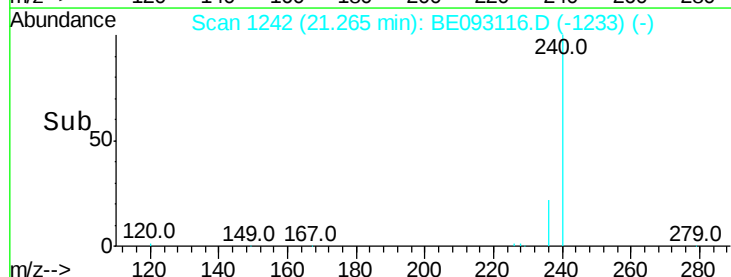
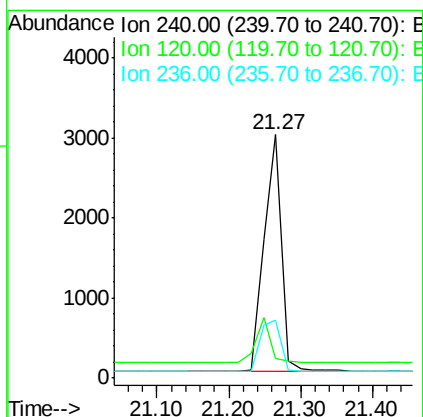
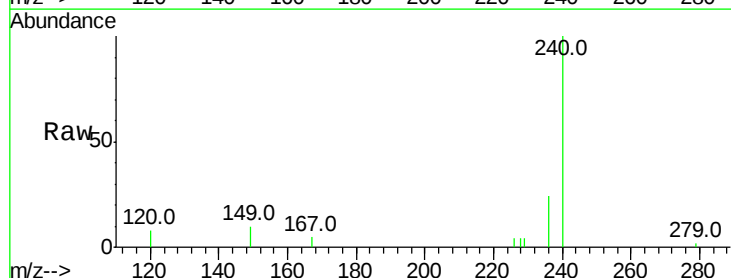
Instrument :
 BNA_E
 ClientSampled :

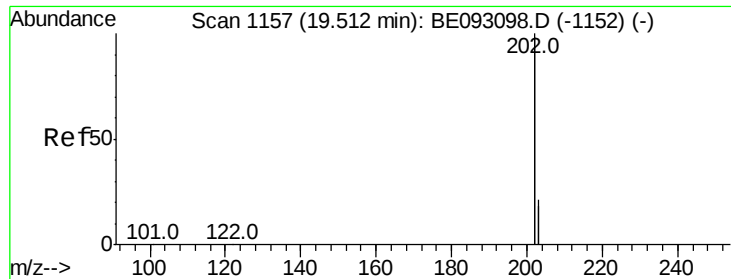
Tot Ion:202 Resp: 954
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 0.0
 203 0.0 14.4 21.6#



#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.27 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: BE093116.D
 Acq: 13 Jun 2017 00:03

Tgt Ion:240 Resp: 5044
 Ion Ratio Lower Upper
 240 100
 120 8.0 4.6 7.0#
 236 23.7 20.8 31.2

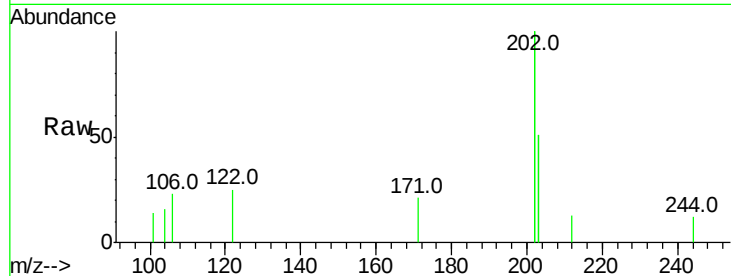




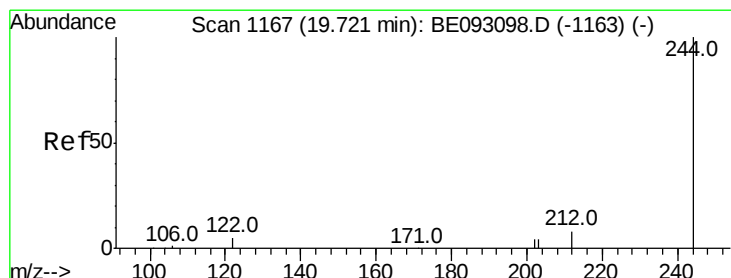
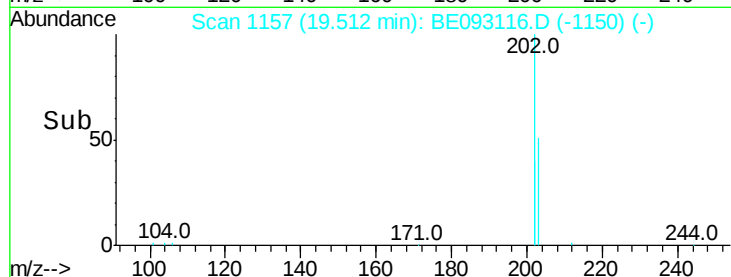
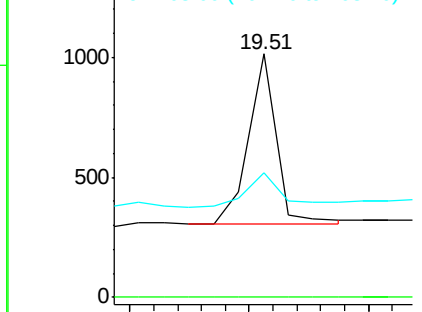
#28
Pvrene
Concen: 0.02 ng
RT: 19.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE093116.D
Acq: 13 Jun 2017 00:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 1151
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 27.2 13.7 20.5#

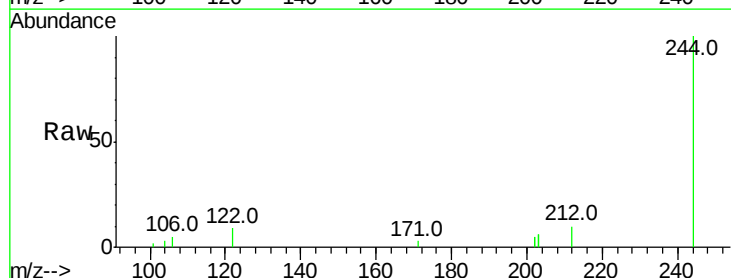


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

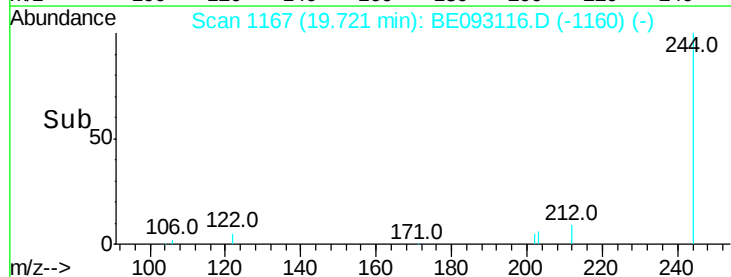
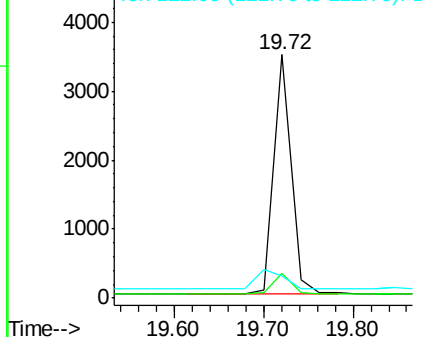


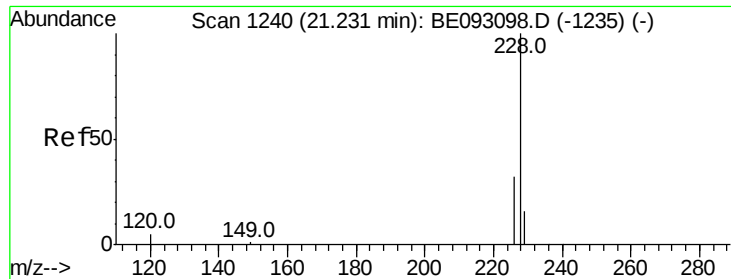
#29
Terphenyl-d14
Concen: 0.48 ng
RT: 19.72 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BE093116.D
Acq: 13 Jun 2017 00:03

Tgt Ion:244 Resp: 4704
Ion Ratio Lower Upper
244 100
212 10.2 10.6 16.0#
122 9.0 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





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.23 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampled :

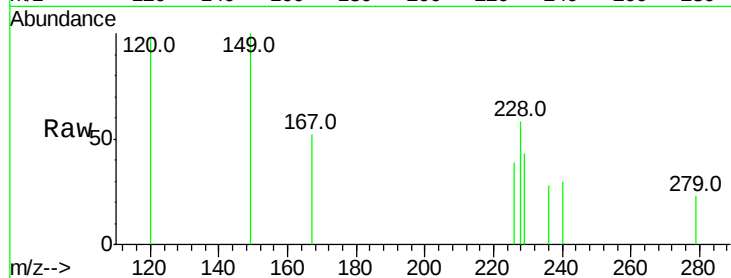
Tot Ion:228 Resp: 334

Ion Ratio Lower Upper

228 100

226 67.6 19.7 29.5#

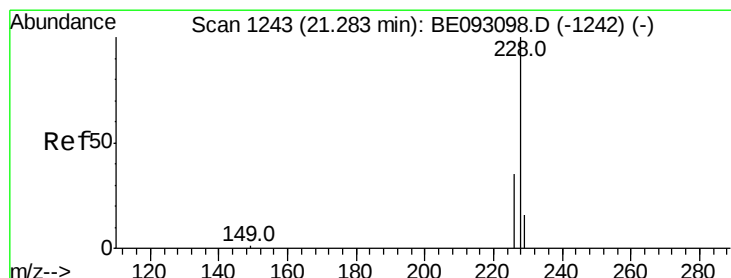
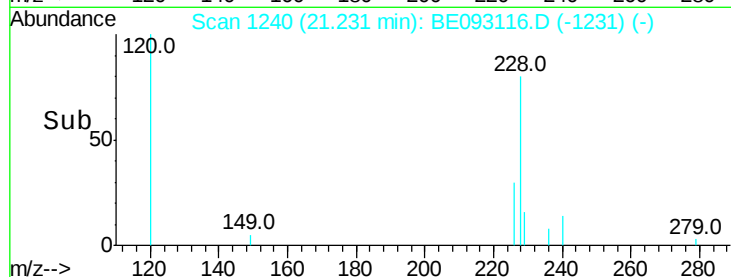
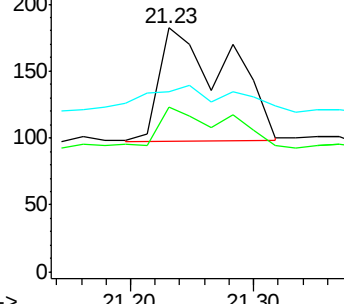
229 74.2 19.2 28.8#



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: 0.02 ng

RT: 21.23 min Scan# 1240

Delta R.T. -0.05 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

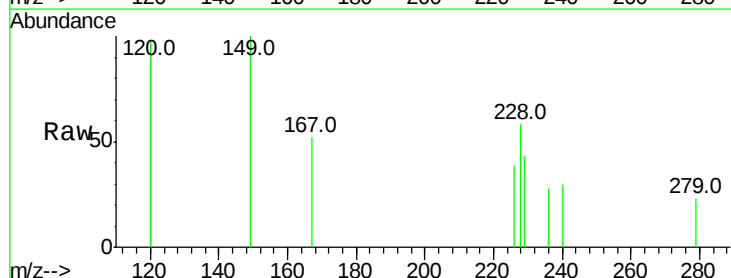
Tgt Ion:228 Resp: 336

Ion Ratio Lower Upper

228 100

226 67.6 21.5 32.3#

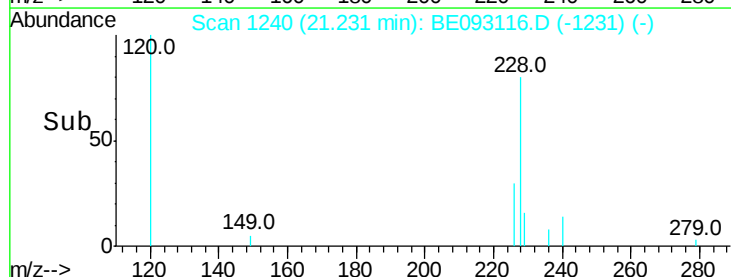
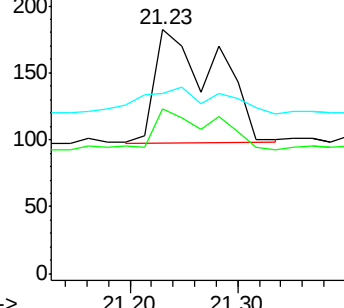
229 74.2 18.6 28.0#

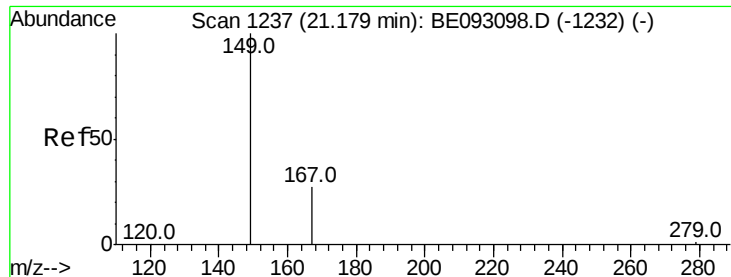


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.16 ng

RT: 21.18 min Scan# 1237

Delta R.T. 0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampled :

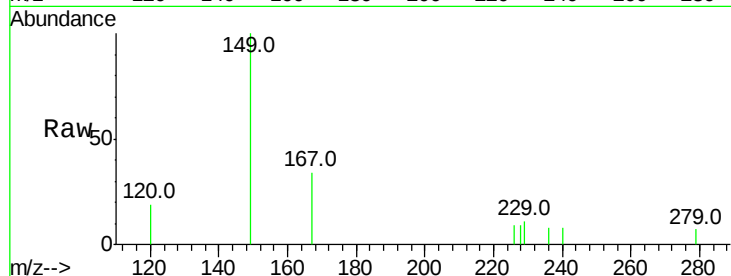
Tot Ion:149 Resp: 1004

Ion Ratio Lower Upper

149 100

167 26.9 20.1 30.1

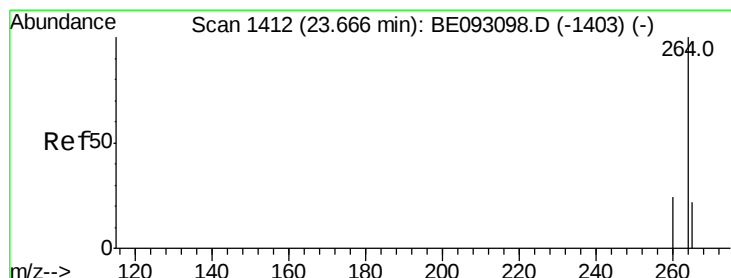
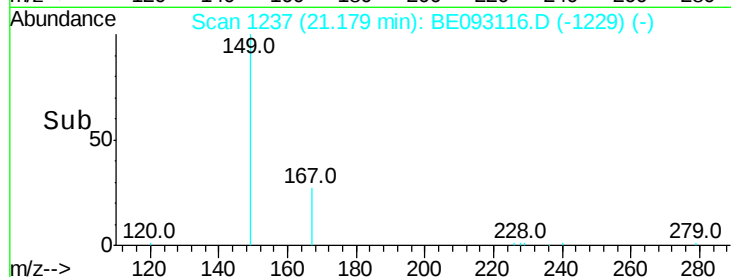
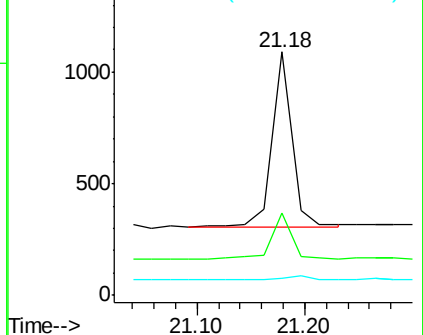
279 3.4 2.2 3.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.67 min Scan# 1412

Delta R.T. -0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

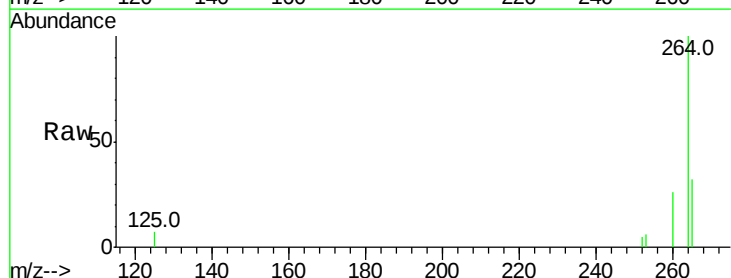
Tgt Ion:264 Resp: 4229

Ion Ratio Lower Upper

264 100

260 26.5 21.0 31.4

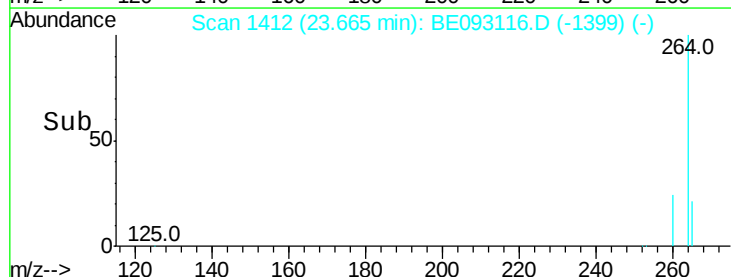
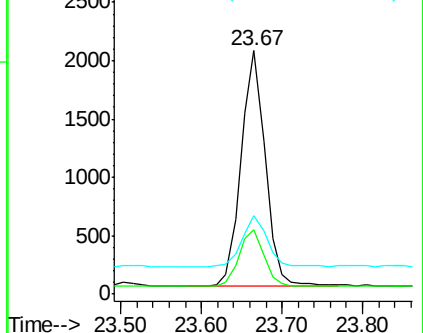
265 32.2 24.6 36.8

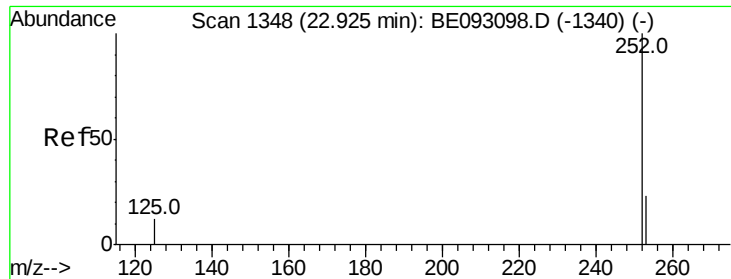


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.93 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampleId :

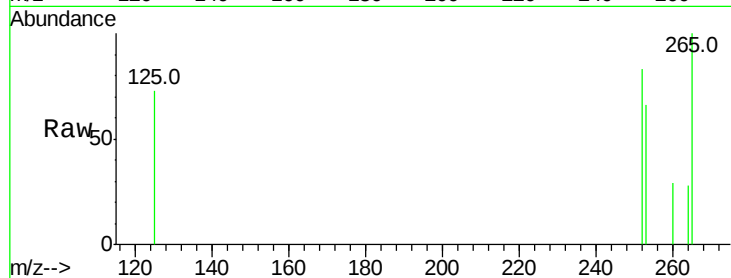
Tot Ion:252 Resp: 344

Ion Ratio Lower Upper

252 100

253 78.7 18.5 27.7#

125 87.1 13.4 20.0#



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

22.93

200

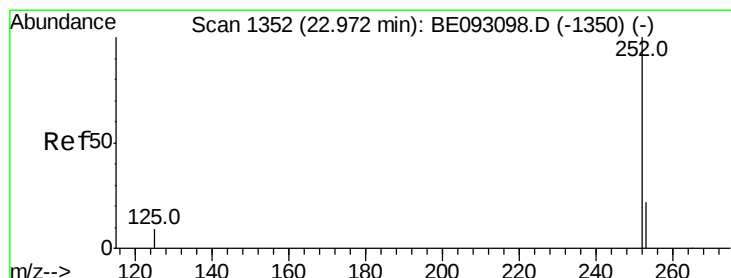
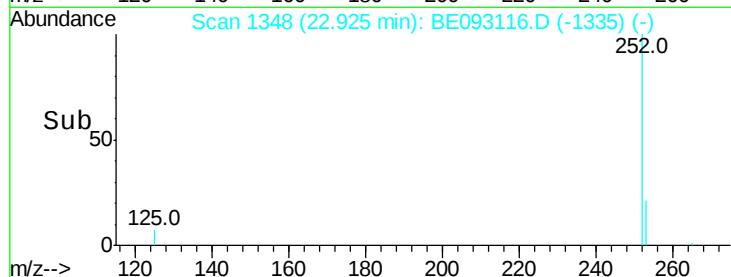
150

100

50

0

Time-->



#36

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.93 min Scan# 1348

Delta R.T. -0.05 min

Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

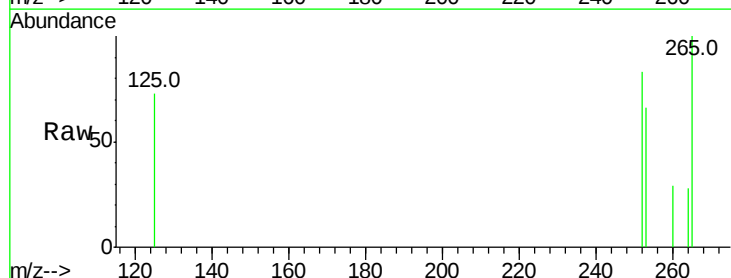
Tgt Ion:252 Resp: 355

Ion Ratio Lower Upper

252 100

253 78.7 20.3 30.5#

125 87.1 12.2 18.4#



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

22.93

200

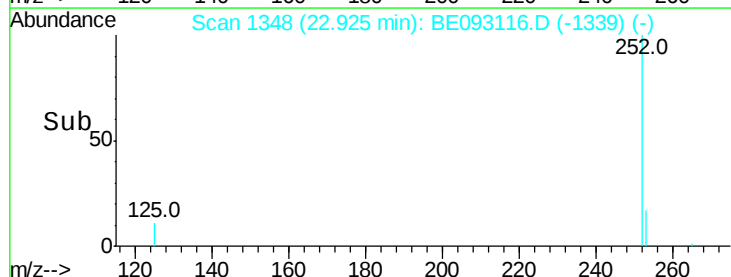
150

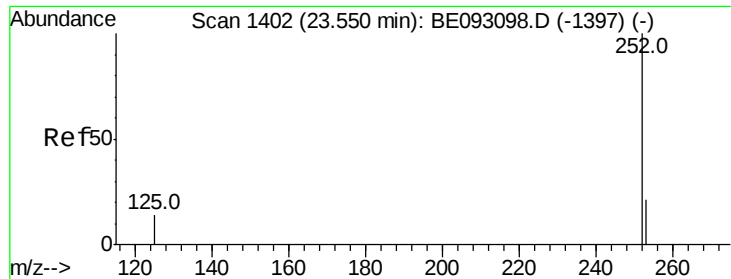
100

50

0

Time-->





#37

Benzo(a)pyrene

Concen: 0.01 ng

RT: 23.55 min Scan# 1402

Delta R.T. -0.00 min

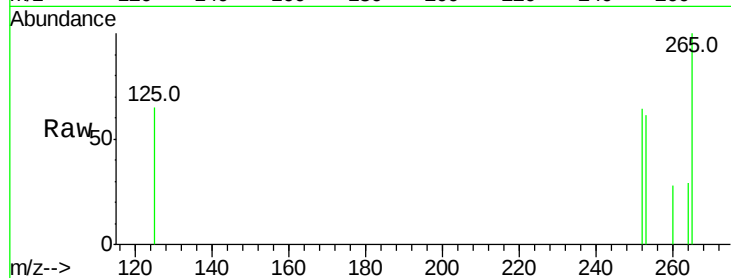
Lab File: BE093116.D

Acq: 13 Jun 2017 00:03

Instrument :

BNA_E

ClientSampleId :



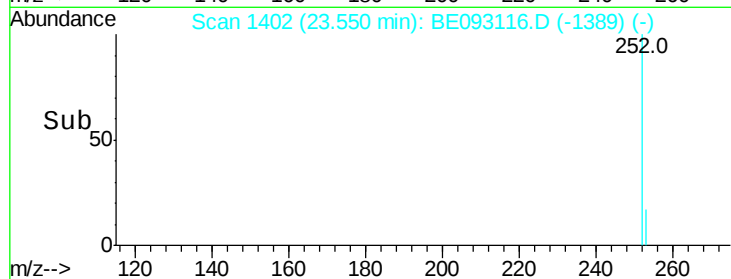
Tot Ion: 252 Resp: 131

Ion Ratio Lower Upper

252 100

253 94.7 19.9 29.9#

125 102.0 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

