

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093117.D
 Acq On : 13 Jun 2017 00:39
 Operator : SJ/MA
 Sample : I3460-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 02:28:55 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	542	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	2520	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	1415	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	2772	0.40	ng	0.00
27) Chrysene-d12	21.27	240	4650	0.40	ng	0.00
34) Perylene-d12	23.67	264	4050	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	330	0.21	ng	0.00
5) Phenol-d6	6.90	99	279	0.12	ng	0.00
8) Nitrobenzene-d5	8.88	82	911	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1572	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	206	0.64	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	3336	0.55	ng	0.00
25) Fluoranthene-d10	19.12	212	4692	0.51	ng	0.00
29) Terphenyl-d14	19.72	244	4305	0.48	ng	0.00

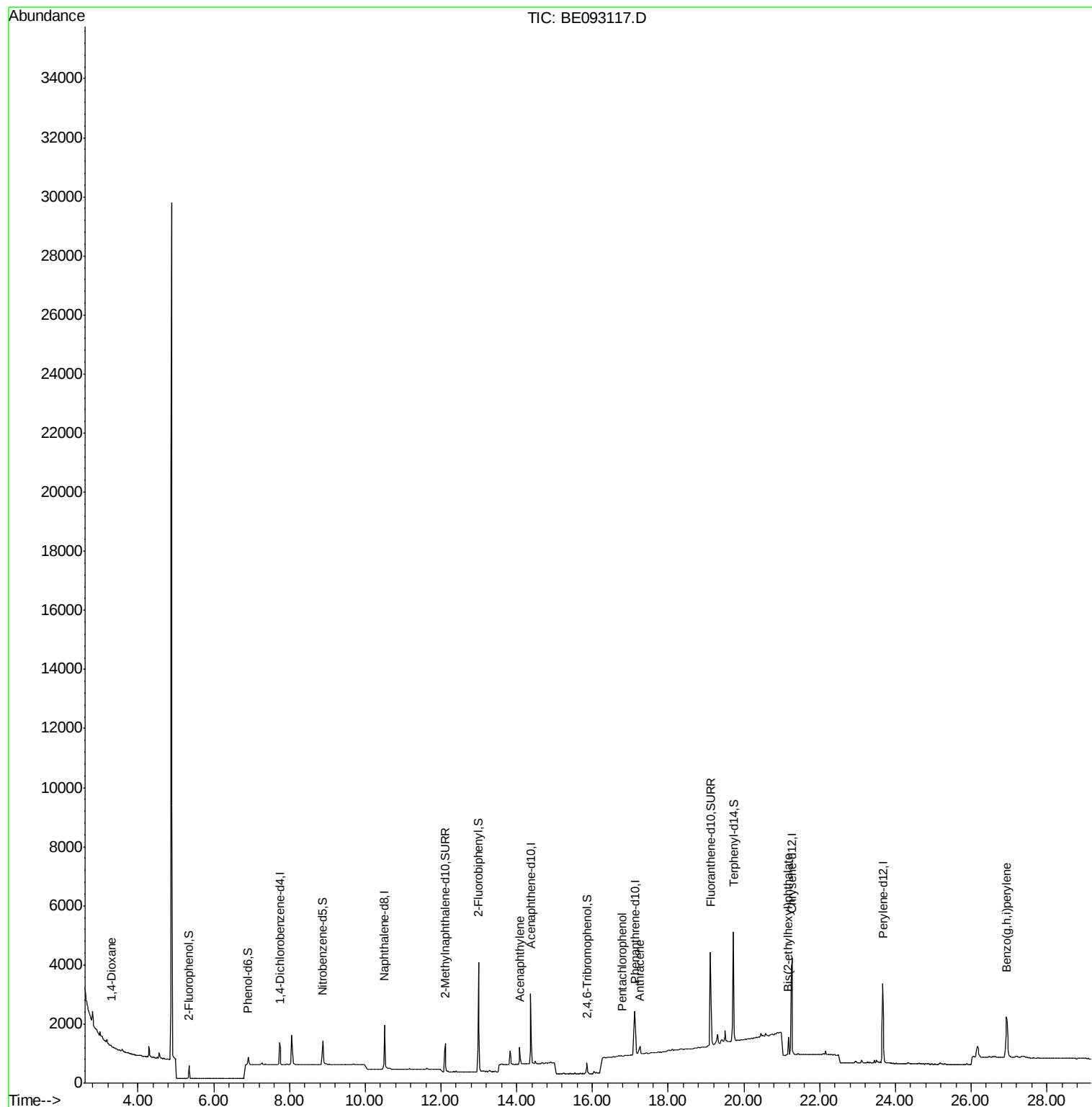
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	58	0.05	ng	# 20
16) Acenaphthylene	14.08	152	826	0.03	ng	# 94
22) Pentachlorophenol	16.79	266	14	0.03	ng	# 81
24) Anthracene	17.25	178	547	0.05	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.18	149	733	0.12	ng	# 96
39) Benzo(q,h,i)perylene	26.94	276	3212	0.07	ng	# 74

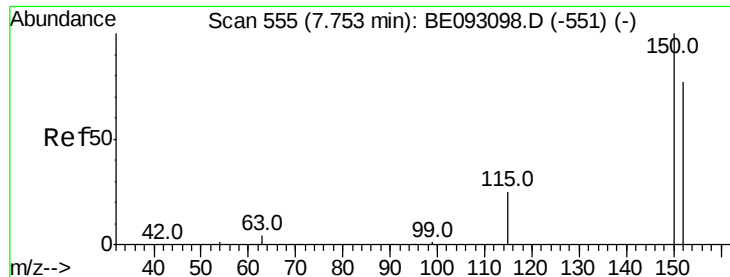
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

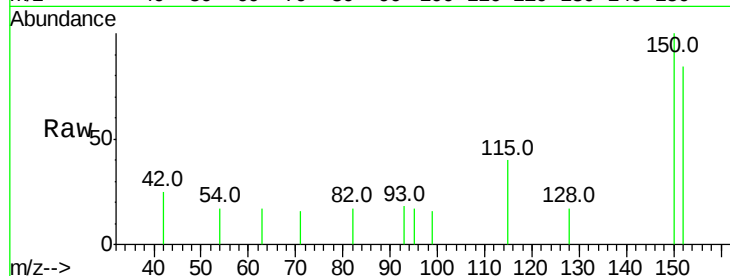
Tot Ion:152 Resp: 542

Ion Ratio Lower Upper

152 100

150 118.4 125.1 187.7#

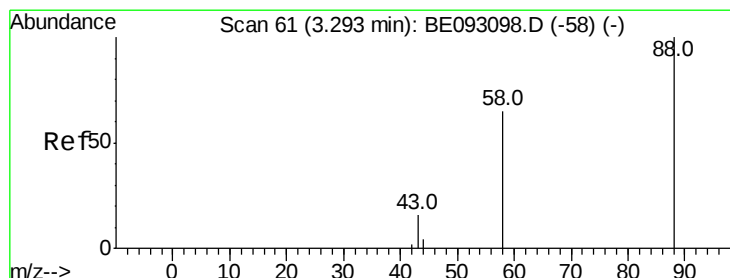
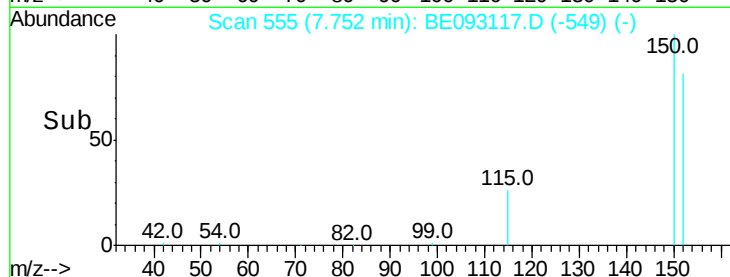
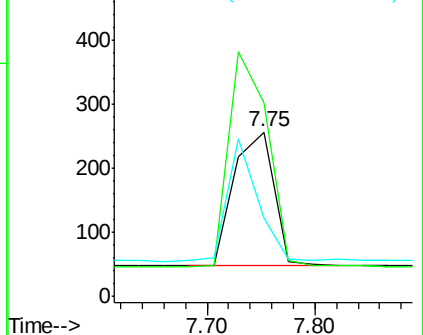
115 47.7 55.7 83.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.30 min Scan# 61

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

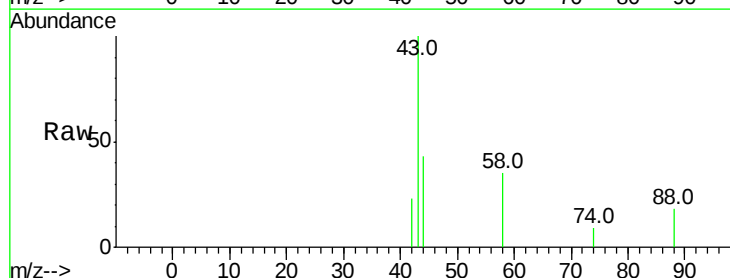
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

58 0.0 62.2 93.4#

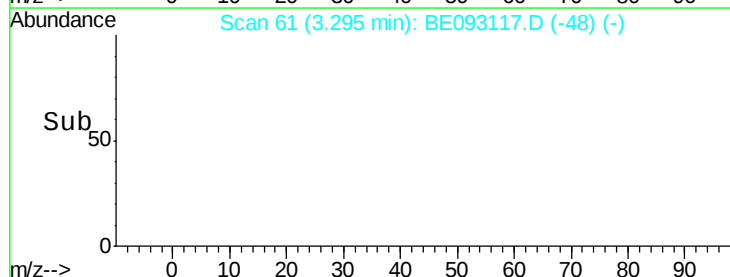
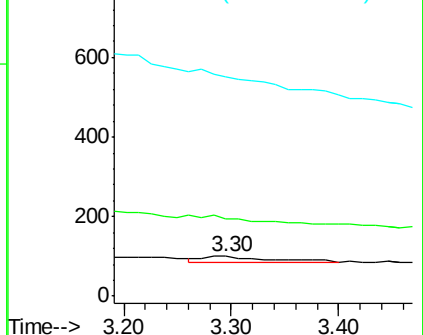
43 0.0 23.2 34.8#

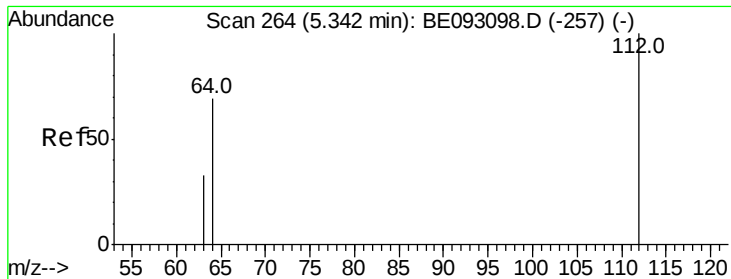


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.21 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

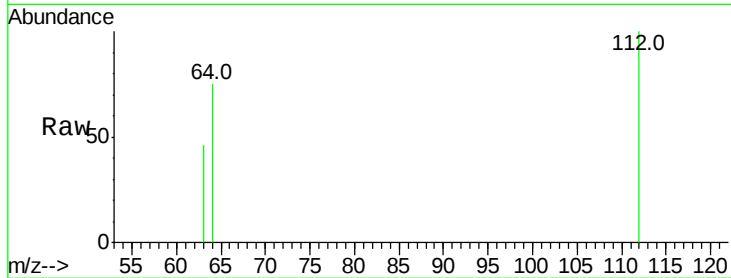
Tot Ion:112 Resp: 330

Ion Ratio Lower Upper

112 100

64 72.7 56.4 84.6

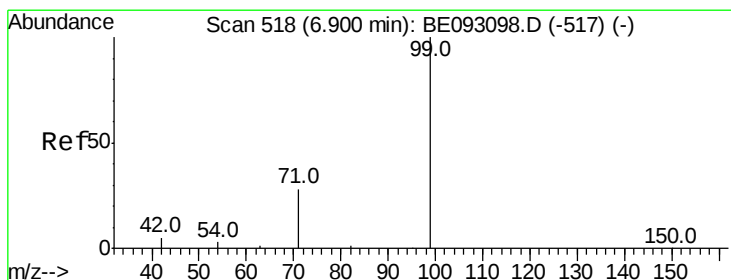
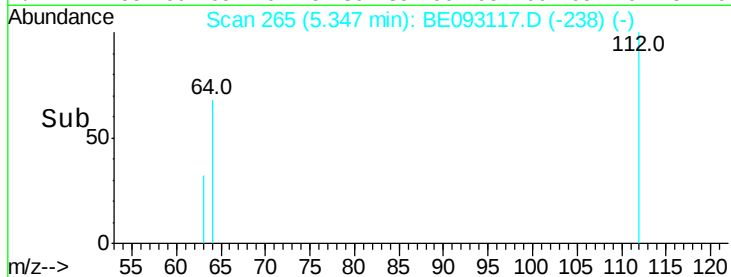
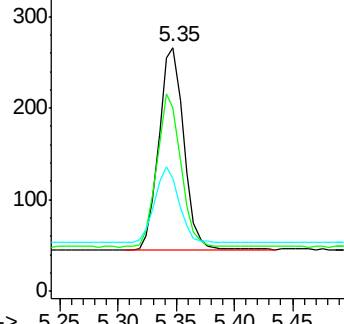
63 36.4 29.3 43.9



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: 0.12 ng

RT: 6.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

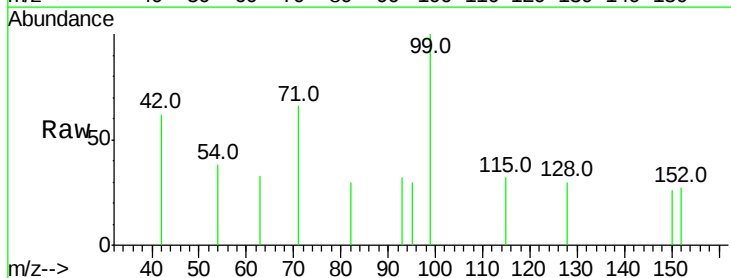
Tgt Ion: 99 Resp: 279

Ion Ratio Lower Upper

99 100

42 27.6 0.0 0.0#

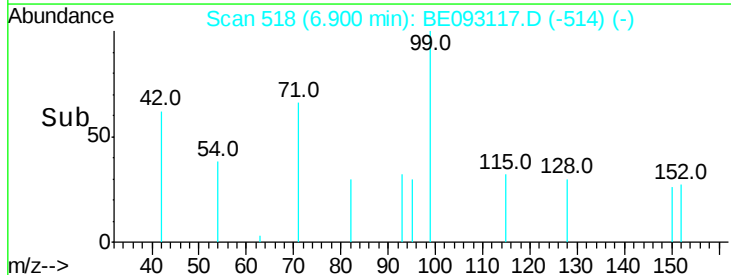
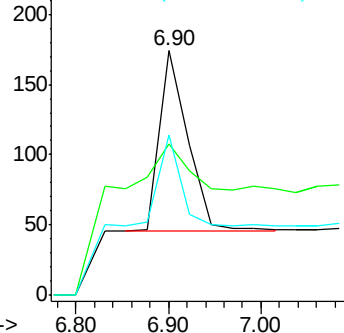
71 38.7 0.0 0.0#

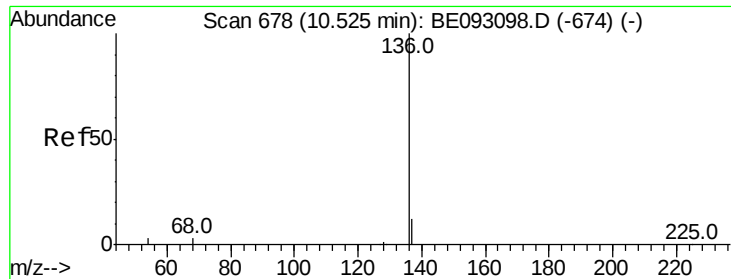


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 2520

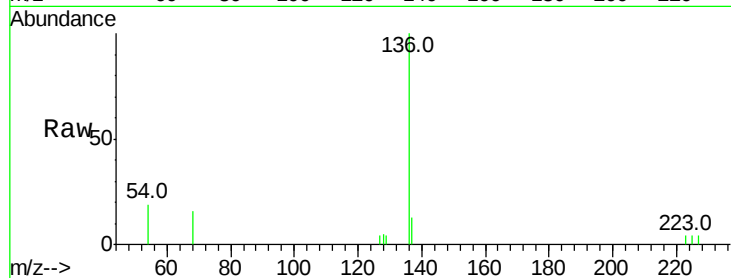
Ion Ratio Lower Upper

136 100

137 13.5 9.8 14.8

54 18.9 10.3 15.5#

68 16.0 9.0 13.4#

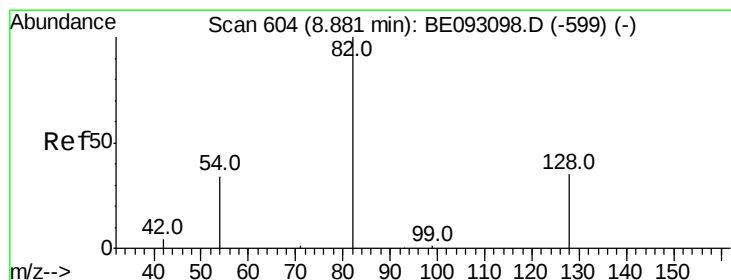
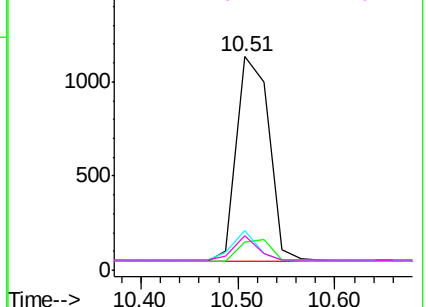
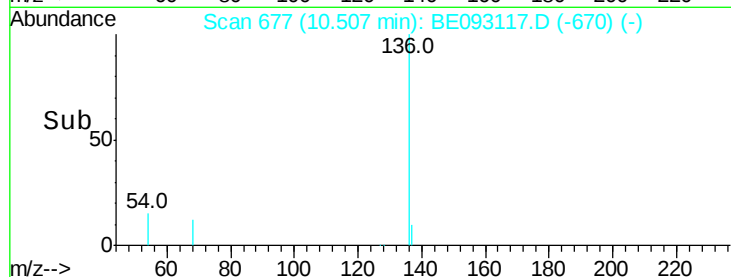


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.45 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

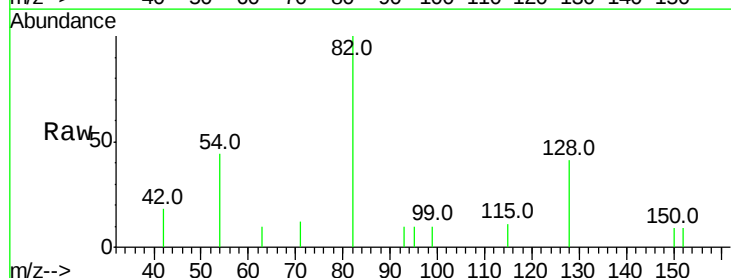
Tgt Ion: 82 Resp: 911

Ion Ratio Lower Upper

82 100

128 40.6 17.0 25.4#

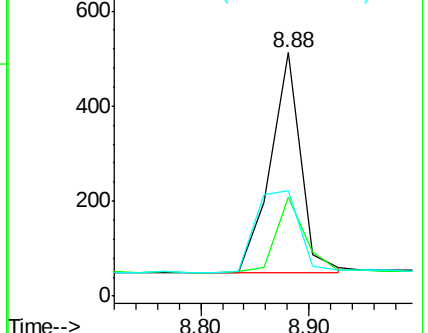
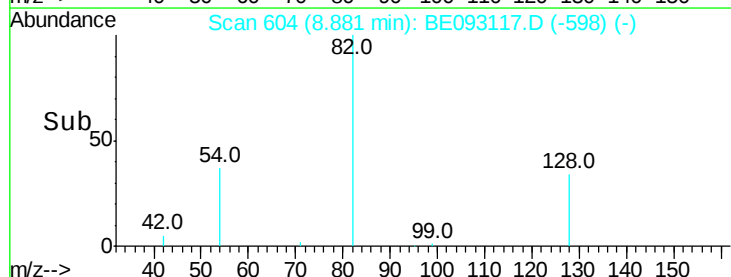
54 43.6 53.8 80.6#

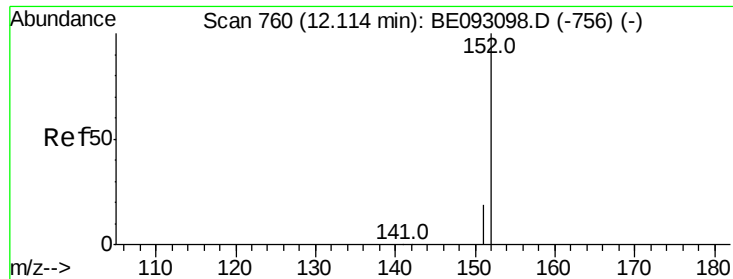


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

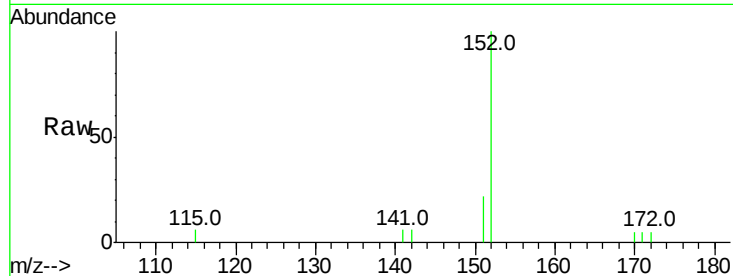




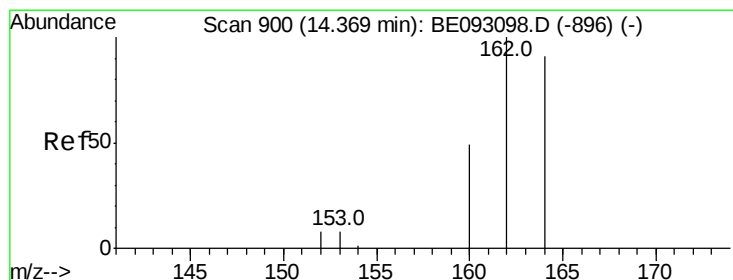
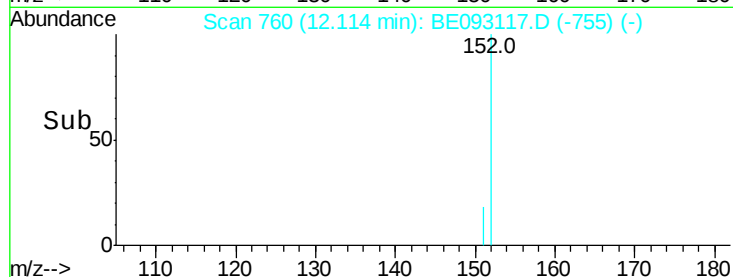
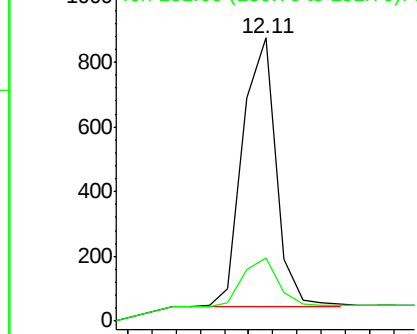
#11
2-Methylnaphthalene-d10
Concen: 0.41 ng
RT: 12.11 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE093117.D
Acq: 13 Jun 2017 00:39

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1572
Ion Ratio Lower Upper
152 100
151 18.8 15.1 22.7

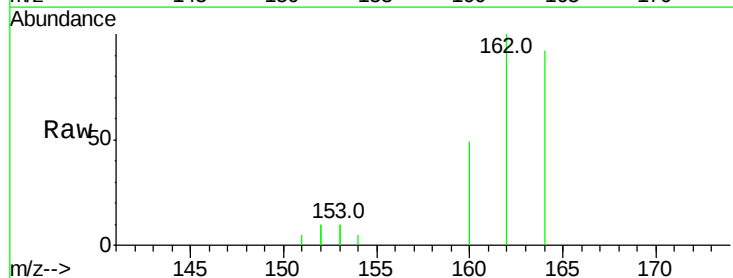


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E

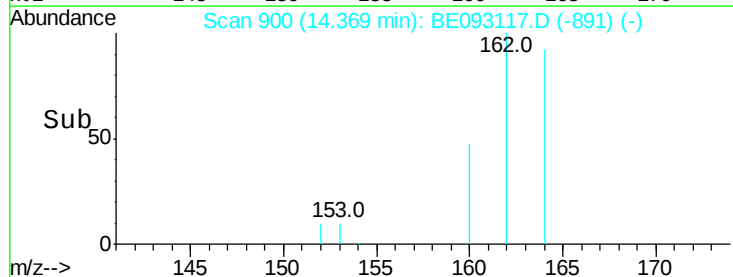
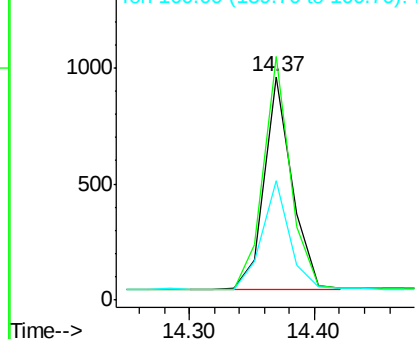


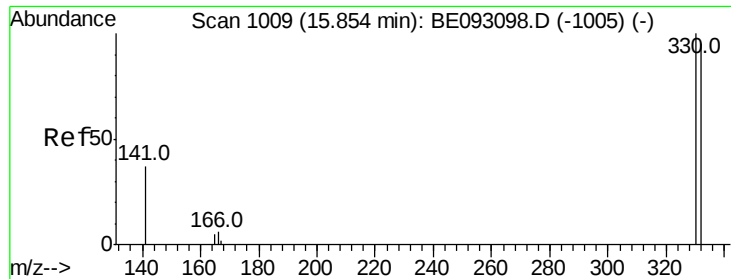
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.37 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE093117.D
Acq: 13 Jun 2017 00:39

Tgt Ion:164 Resp: 1415
Ion Ratio Lower Upper
164 100
162 108.8 84.6 127.0
160 53.3 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

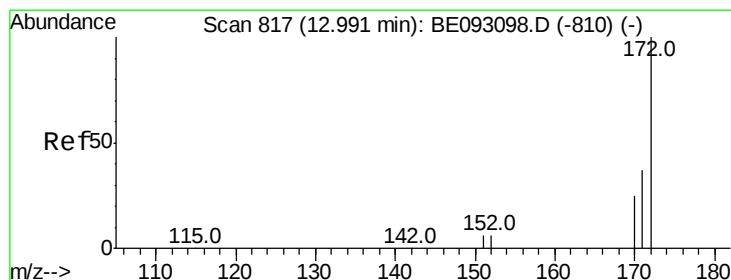
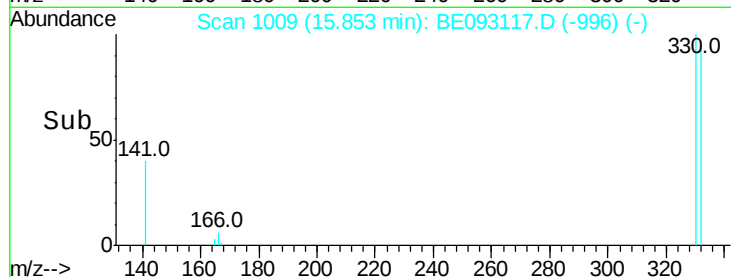
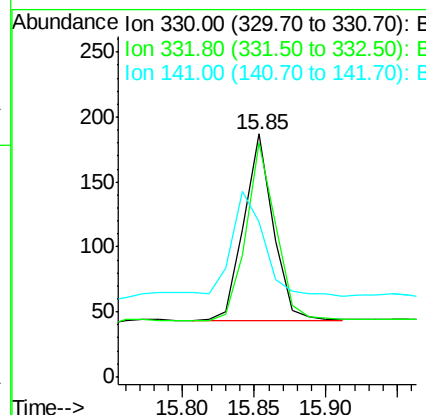
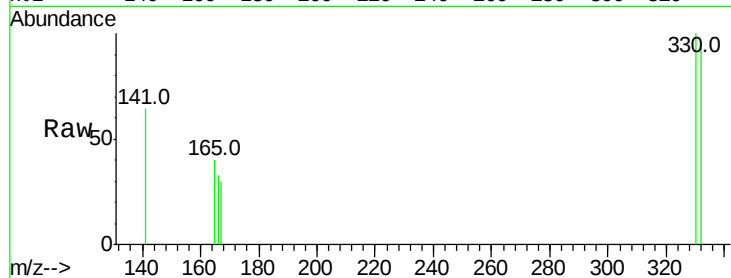




#14
 2,4,6-Tribromophenol
 Concen: 0.64 ng
 RT: 15.85 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BE093117.D
 Acq: 13 Jun 2017 00:39

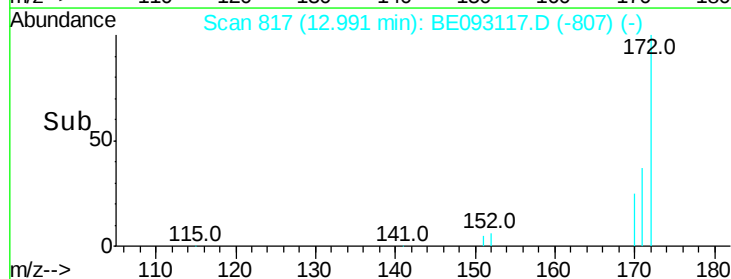
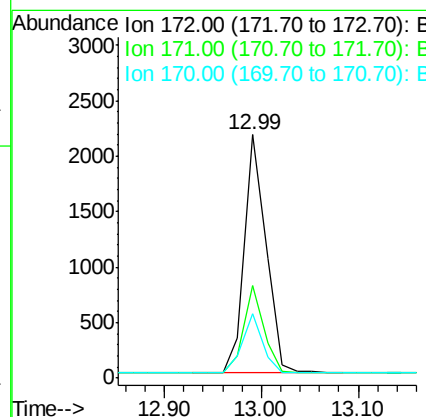
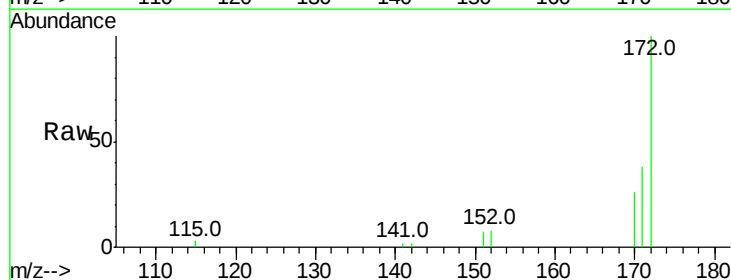
Instrument :
 BNA_E
 ClientSampled :

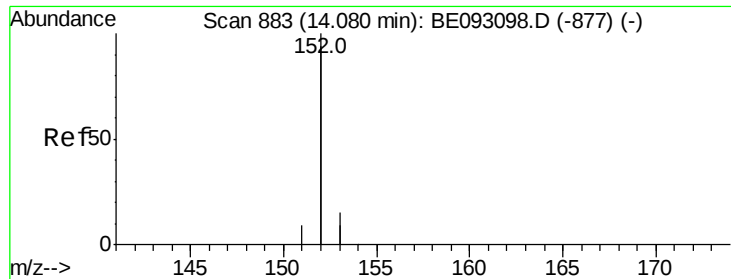
Tot Ion:330 Resp: 206
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.7 116.5
 141 74.3 56.2 84.4



#15
 2-Fluorobiphenyl
 Concen: 0.55 ng
 RT: 12.99 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BE093117.D
 Acq: 13 Jun 2017 00:39

Tgt Ion:172 Resp: 3336
 Ion Ratio Lower Upper
 172 100
 171 38.2 29.8 44.6
 170 26.3 20.7 31.1





#16

Acenaphthylene

Concen: 0.03 ng

RT: 14.08 min Scan# 883

Delta R.T. -0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

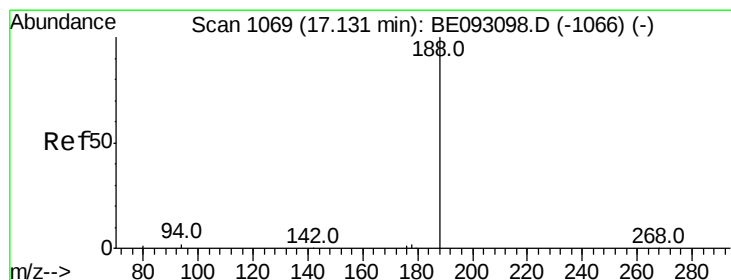
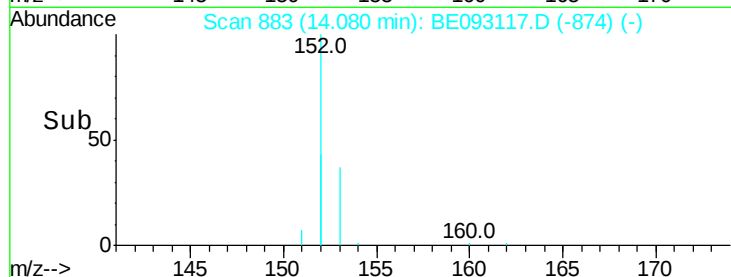
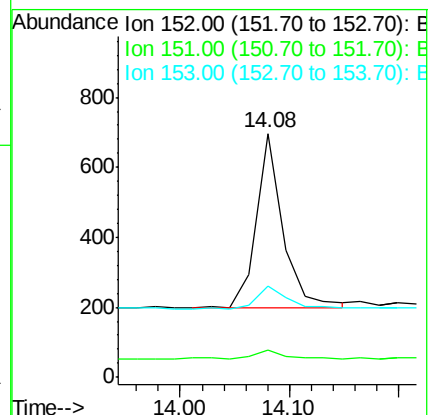
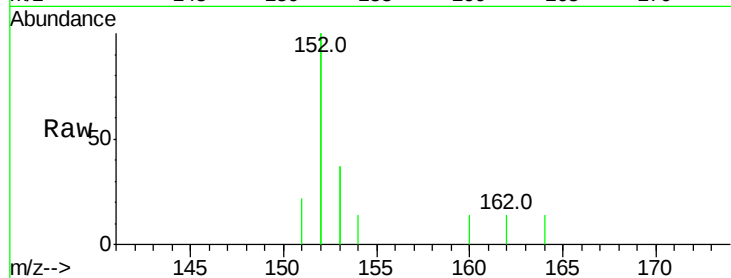
Tot Ion:152 Resp: 826

Ion Ratio Lower Upper

152 100

151 7.6 4.0 6.0#

153 15.1 10.3 15.5



#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

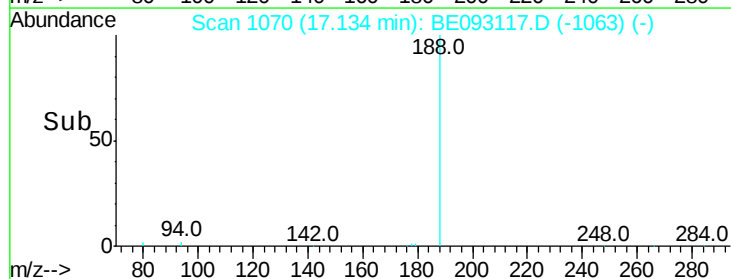
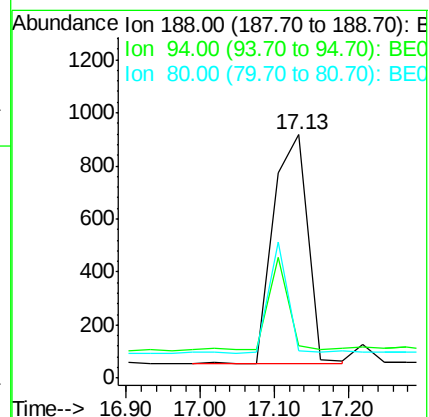
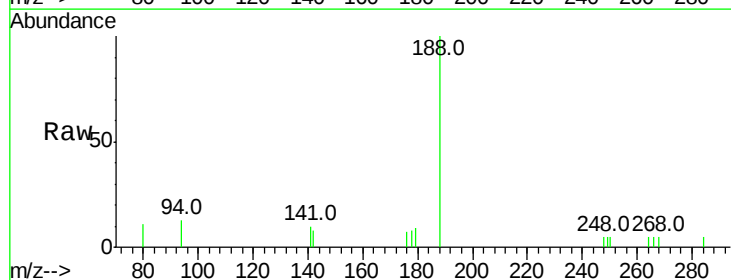
Tgt Ion:188 Resp: 2772

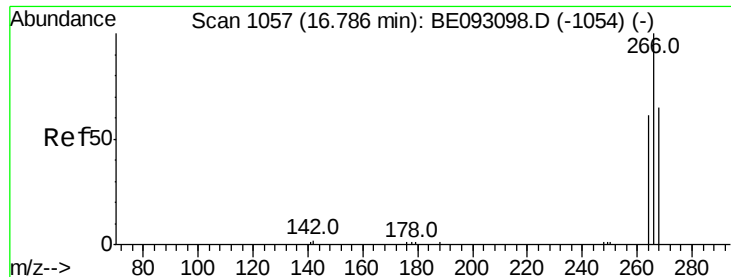
Ion Ratio Lower Upper

188 100

94 13.1 11.3 16.9

80 11.3 11.7 17.5#





#22

Pentachlorophenol

Concen: 0.03 ng

RT: 16.79 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

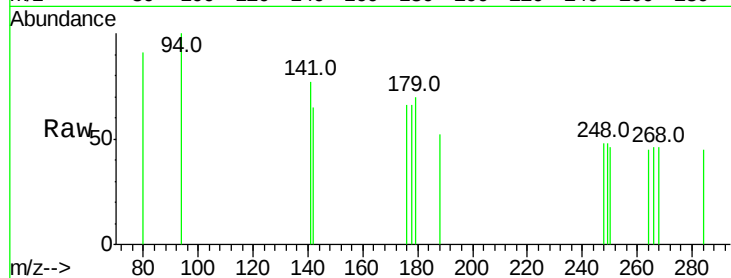
Tot Ion:266 Resp: 14

Ion Ratio Lower Upper

266 100

264 97.8 58.2 87.2#

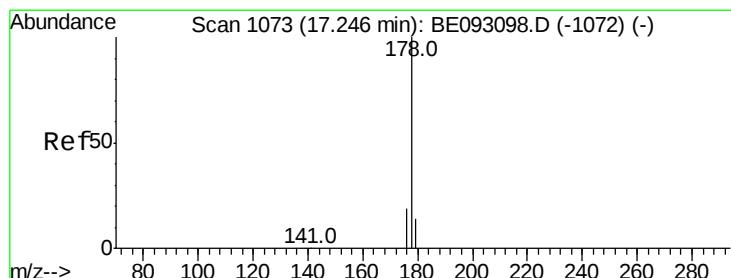
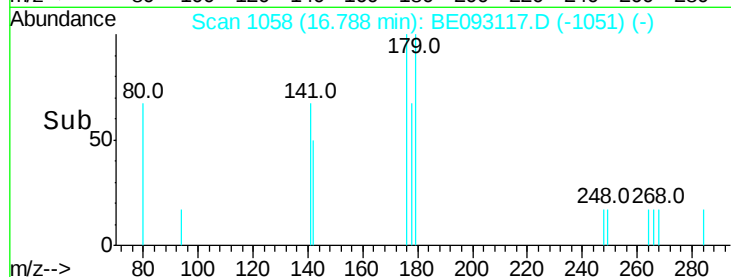
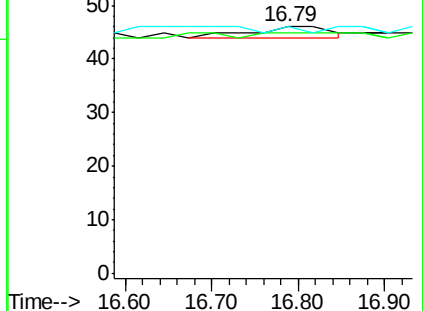
268 100.0 71.9 107.9



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



#24

Anthracene

Concen: 0.05 ng

RT: 17.25 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

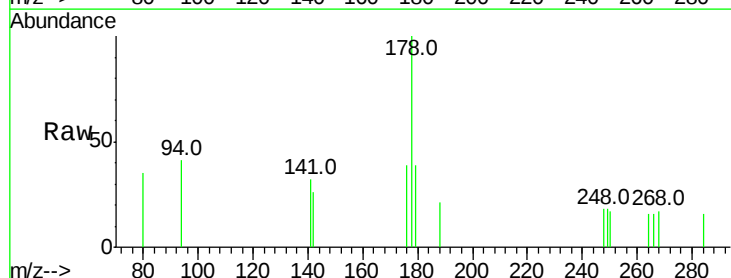
Tgt Ion:178 Resp: 547

Ion Ratio Lower Upper

178 100

176 18.3 14.6 22.0

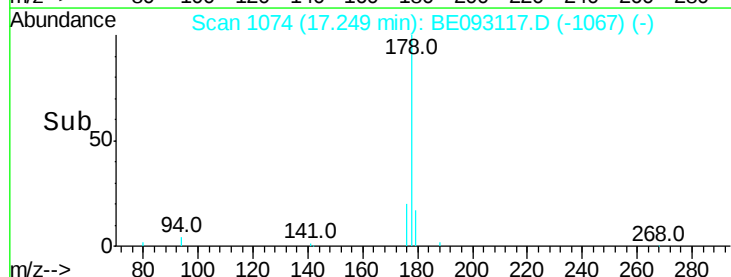
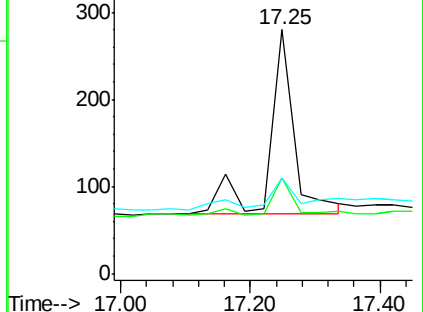
179 26.0 12.0 18.0#

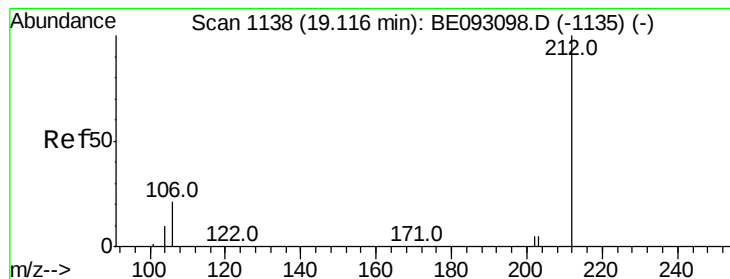


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.51 ng

RT: 19.12 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

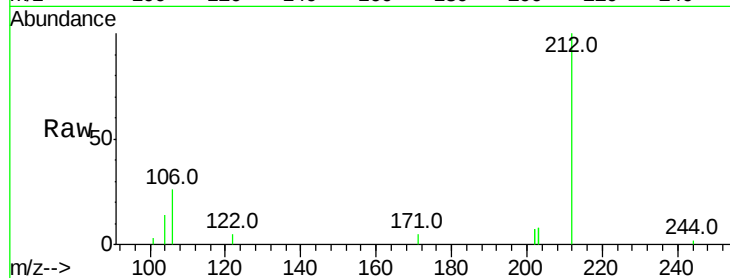
Tot Ion:212 Resp: 4692

Ion Ratio Lower Upper

212 100

106 17.8 0.0 0.0#

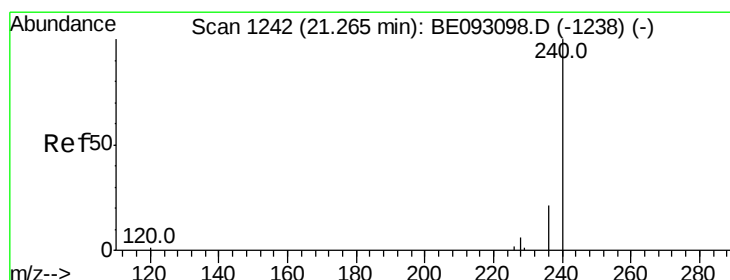
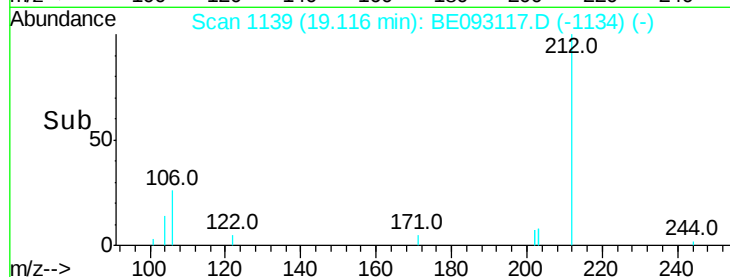
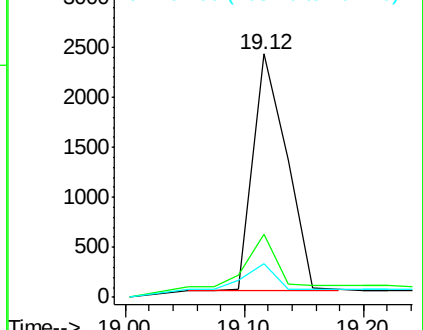
104 9.5 0.0 0.0#



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# 1243

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

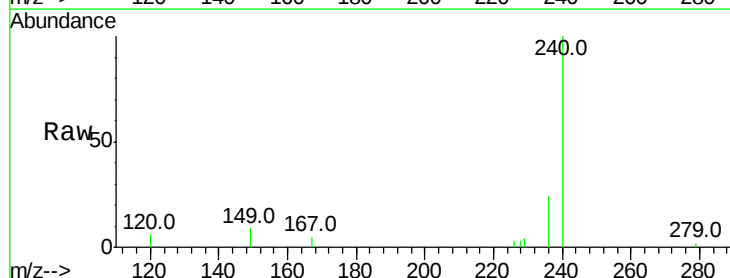
Tgt Ion:240 Resp: 4650

Ion Ratio Lower Upper

240 100

120 6.2 4.6 7.0

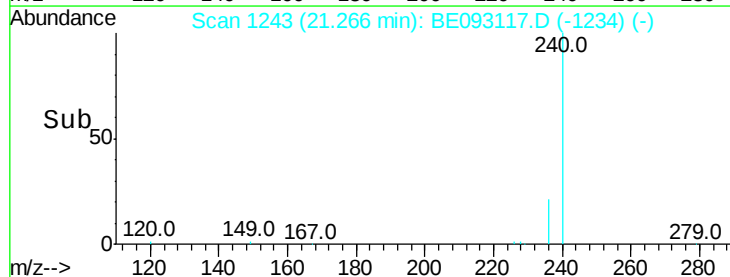
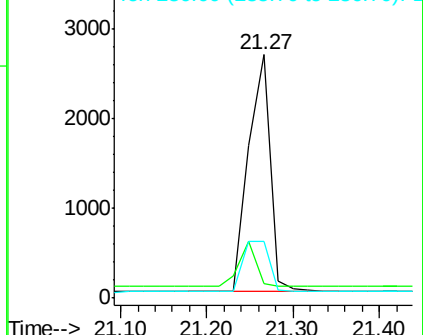
236 23.6 20.8 31.2

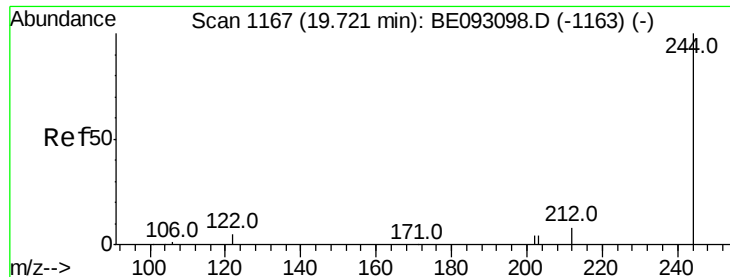


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.48 ng

RT: 19.72 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

Instrument :

BNA_E

ClientSampleId :

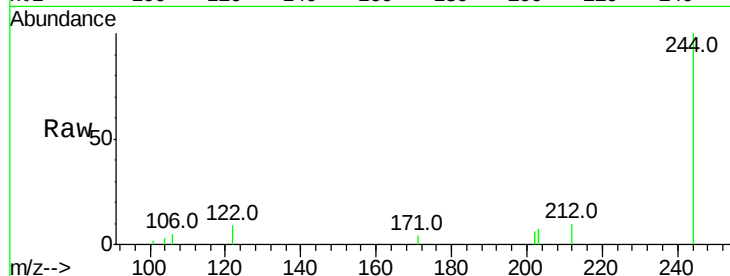
Tot Ion:244 Resp: 4305

Ion Ratio Lower Upper

244 100

212 10.5 10.6 16.0#

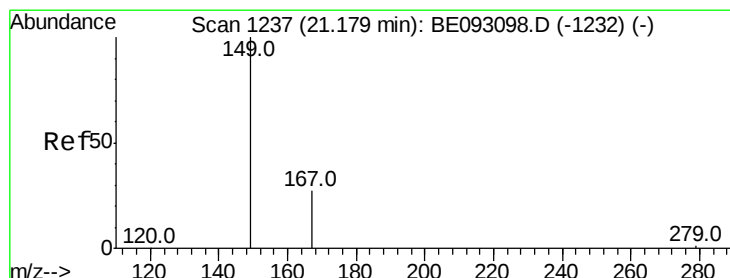
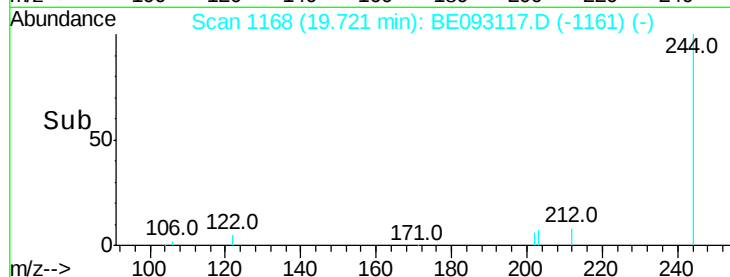
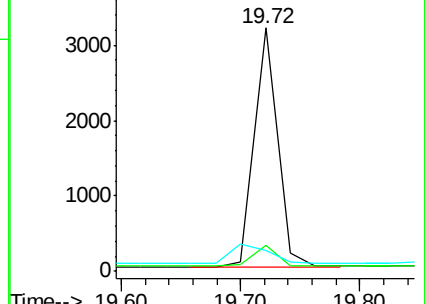
122 8.7 15.4 23.0#



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: 0.12 ng

RT: 21.18 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093117.D

Acq: 13 Jun 2017 00:39

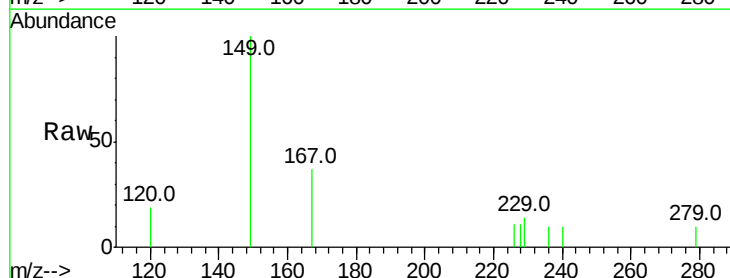
Tgt Ion:149 Resp: 733

Ion Ratio Lower Upper

149 100

167 23.1 20.1 30.1

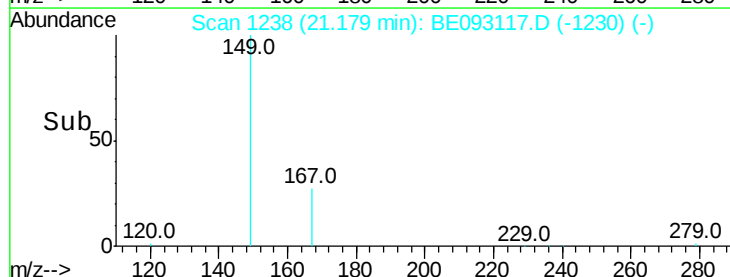
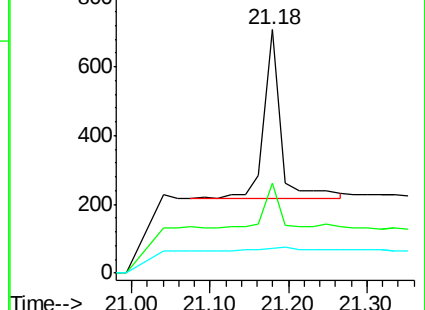
279 5.0 2.2 3.4#

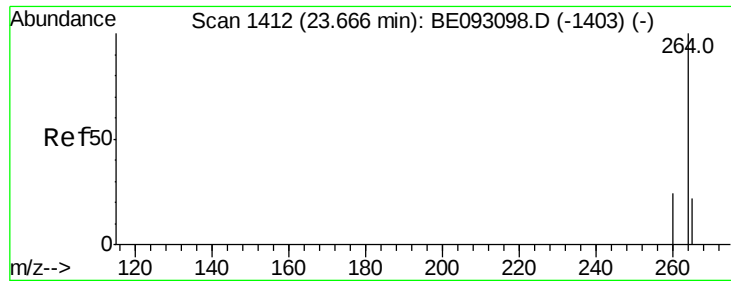


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

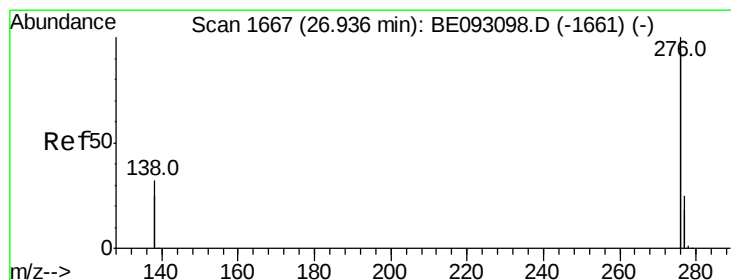
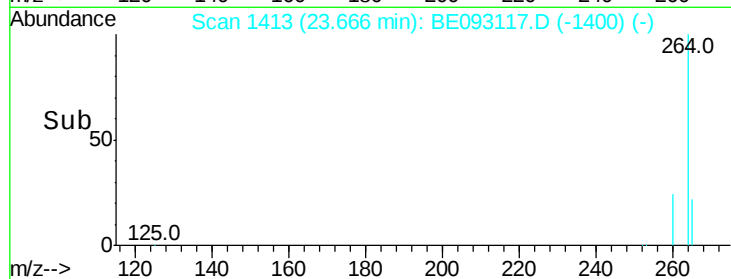
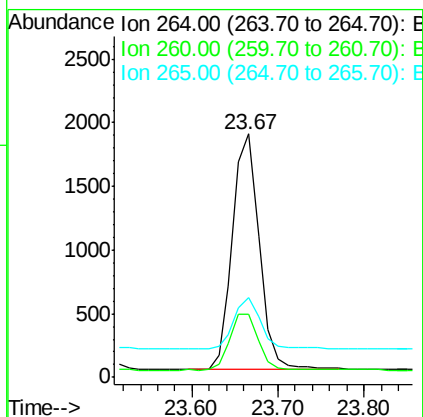
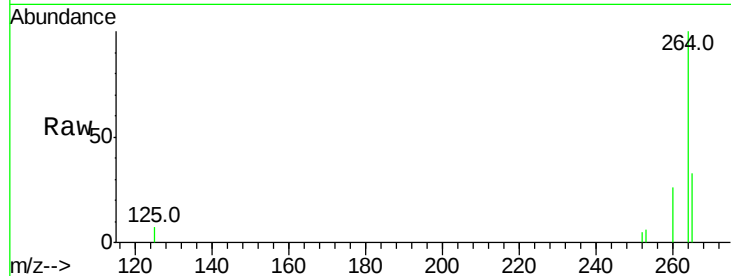




#34
 Pervlene-d12
 Concen: 0.40 ng
 RT: 23.67 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BE093117.D
 Acq: 13 Jun 2017 00:39

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 4050
 Ion Ratio Lower Upper
 264 100
 260 25.9 21.0 31.4
 265 32.9 24.6 36.8



#39
 Benzo(g,h,i)perylene
 Concen: 0.07 ng
 RT: 26.94 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: BE093117.D
 Acq: 13 Jun 2017 00:39

Tgt Ion:276 Resp: 3212
 Ion Ratio Lower Upper
 276 100
 277 37.5 21.2 31.8#
 138 47.4 24.5 36.7#

