

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
 Data File : BE093115.D
 Acq On : 12 Jun 2017 23:24
 Operator : SJ/MA
 Sample : I3460-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 13 01:12:59 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	7.73	152	640	0.40	ng	-0.02
7) Naphthalene-d8	10.51	136	3256	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	2225	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3613	0.40	ng	0.00
27) Chrysene-d12	21.27	240	5171	0.40	ng	0.00
34) Perylene-d12	23.67	264	4304	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.34	112	446	0.24	ng	0.00
5) Phenol-d6	6.90	99	964	0.35	ng	0.00
8) Nitrobenzene-d5	8.88	82	1124	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.10	152	2068	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	352	0.69	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	3911	0.41	ng	0.00
25) Fluoranthene-d10	19.11	212	5469	0.46	ng	0.00
29) Terphenyl-d14	19.72	244	5070	0.51	ng	0.00

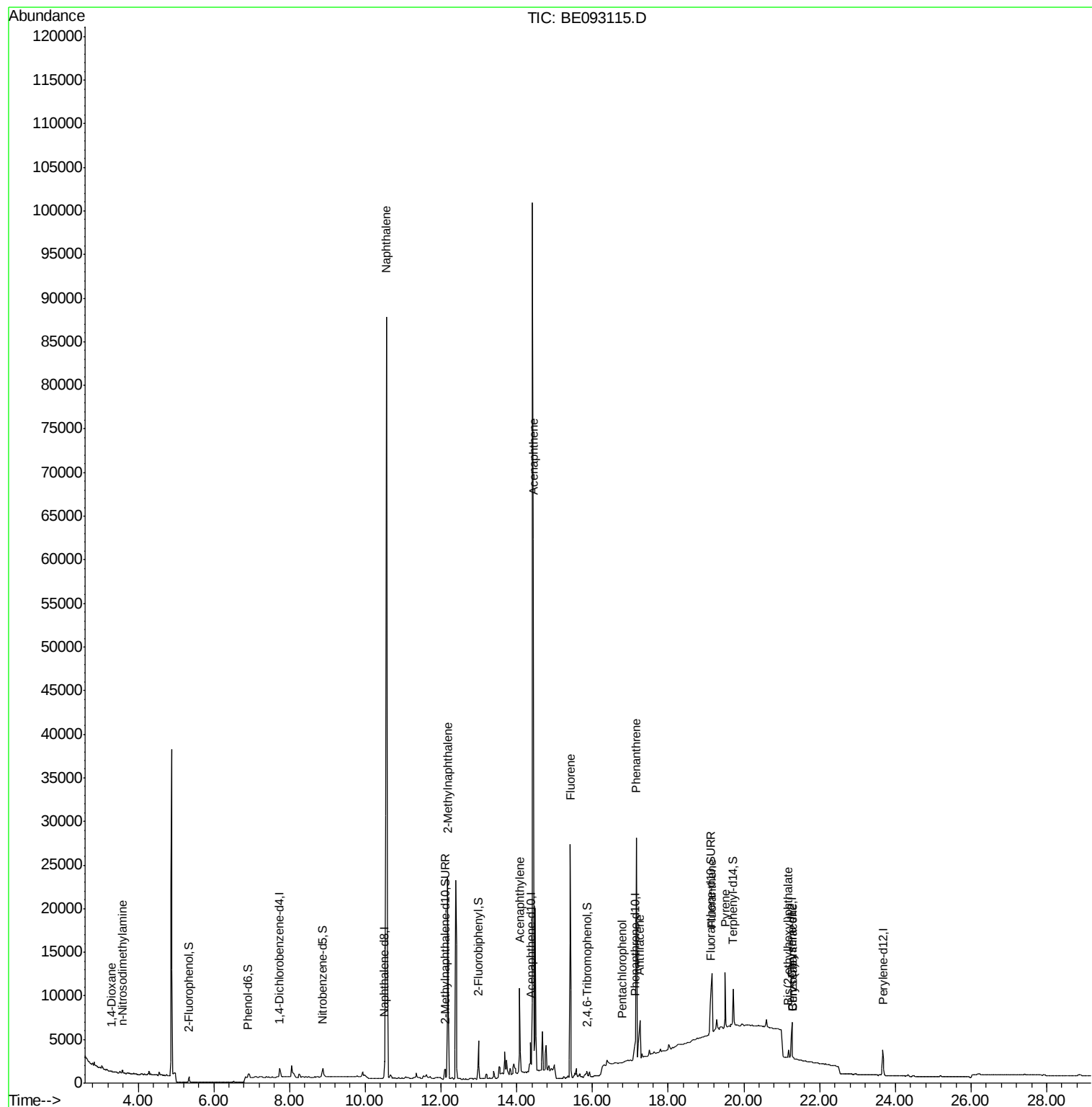
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	19	0.01	ng	# 20
3) n-Nitrosodimethylamine	3.58	42	48	0.04	ng	# 14
9) Naphthalene	10.56	128	121033	13.85	ng	95
12) 2-Methylnaphthalene	12.18	142	15975	2.95	ng	99
16) Acenaphthylene	14.08	152	11929	0.31	ng	# 85
17) Acenaphthene	14.44	154	22773	3.16	ng	94
18) Fluorene	15.41	166	18299	2.10	ng	99
22) Pentachlorophenol	16.79	266	22	0.04	ng	# 84
23) Phenanthrene	17.16	178	34639	2.12	ng	# 90
24) Anthracene	17.25	178	5888	0.43	ng	# 82
26) Fluoranthene	19.16	202	10871	0.18	ng	# 92
28) Pyrene	19.51	202	7642	0.12	ng	# 72
30) Benzo(a)anthracene	21.28	228	279	0.02	ng	# 1
31) Chrysene	21.28	228	436	0.03	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.18	149	877	0.13	ng	# 87

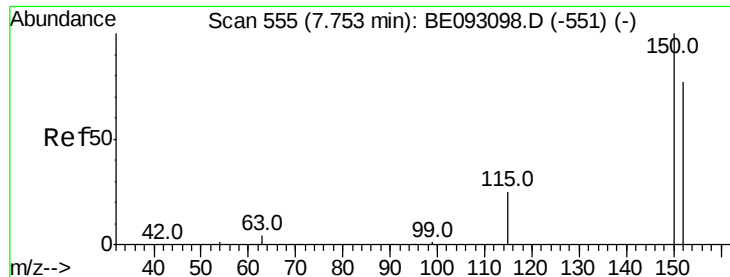
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.73 min Scan# 554

Delta R.T. -0.02 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

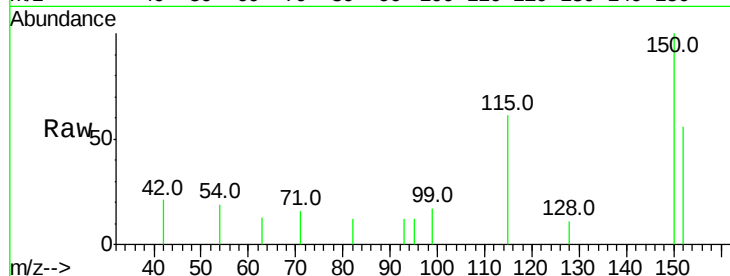
Tot Ion:152 Resp: 640

Ion Ratio Lower Upper

152 100

150 178.8 125.1 187.7

115 109.3 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

600

500

400

300

200

100

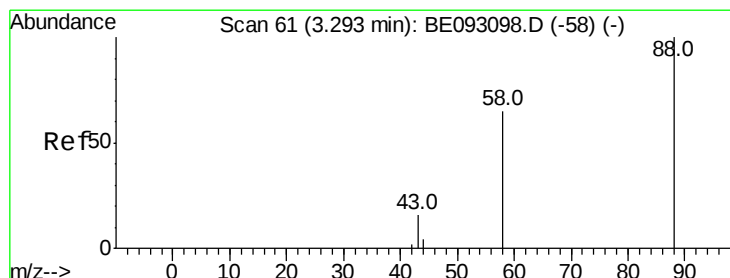
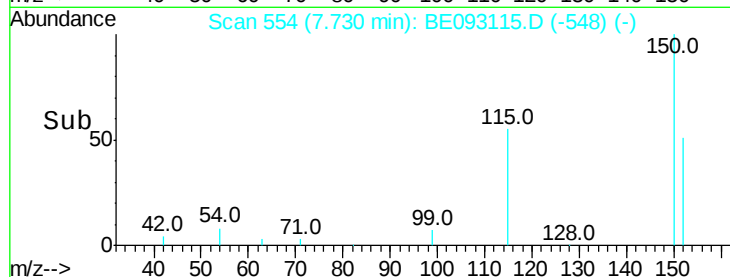
0

7.60

7.70

7.80

Time-->



#2

1,4-Dioxane

Concen: 0.01 ng

RT: 3.30 min Scan# 62

Delta R.T. 0.01 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

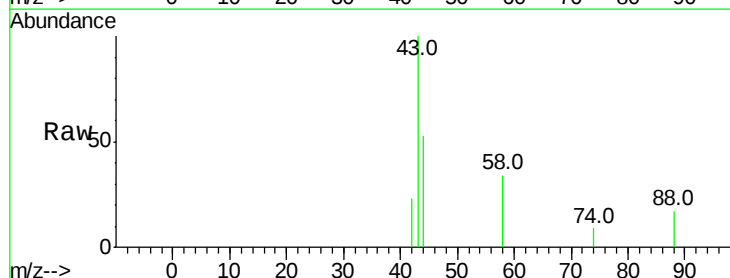
Tgt Ion: 88 Resp: 19

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

800

600

400

200

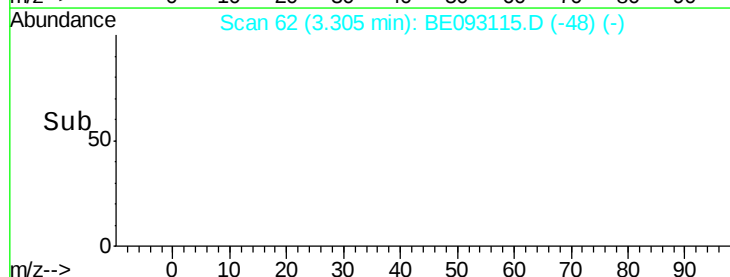
0

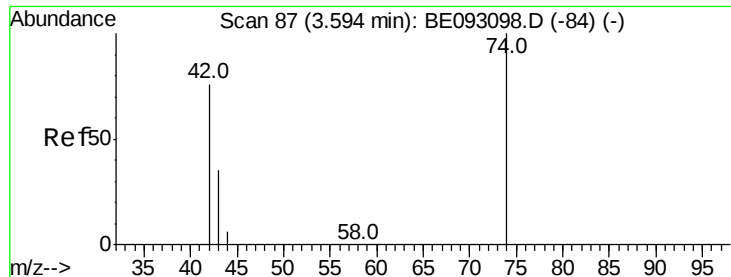
3.25

3.30

3.35

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.58 min Scan# 86

Delta R.T. -0.01 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

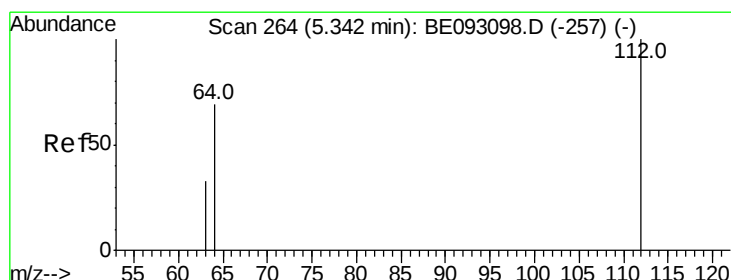
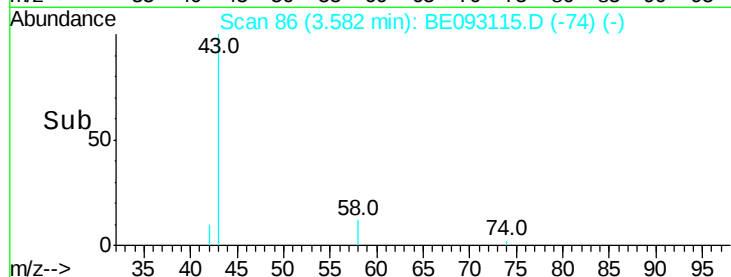
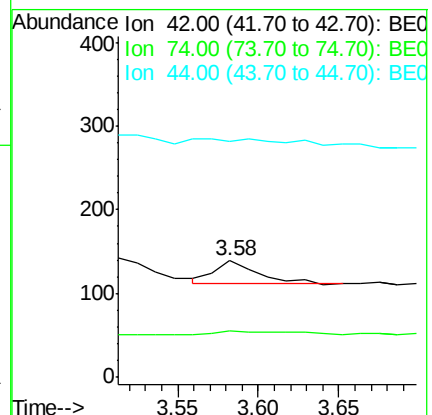
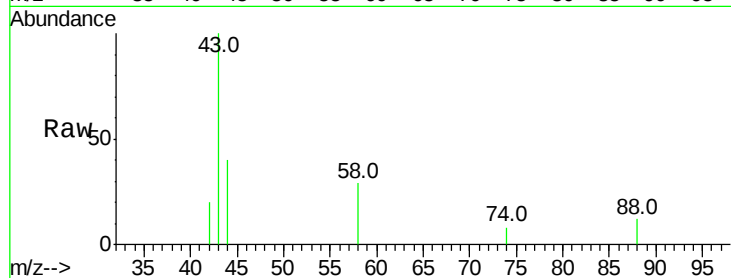
Tot Ion: 42 Resp: 48

Ion Ratio Lower Upper

42 100

74 20.8 99.1 148.7#

44 0.0 7.4 11.2#



#4

2-Fluorophenol

Concen: 0.24 ng

RT: 5.34 min Scan# 264

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

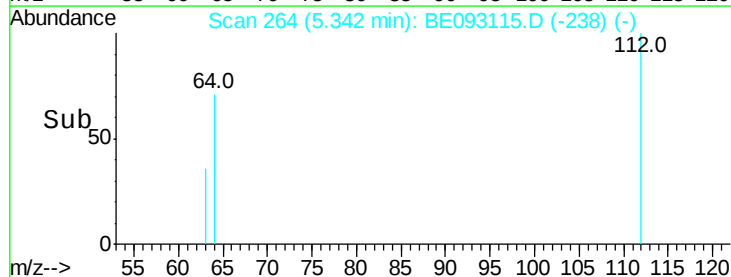
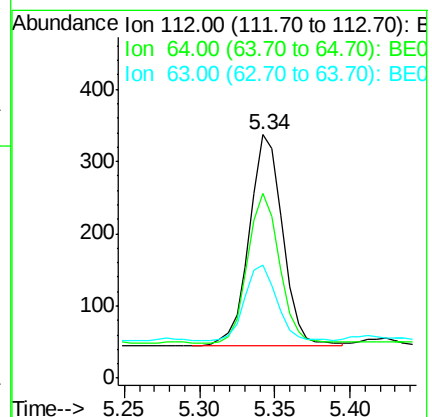
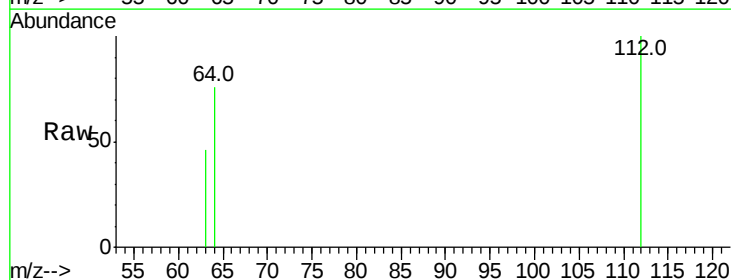
Tgt Ion: 112 Resp: 446

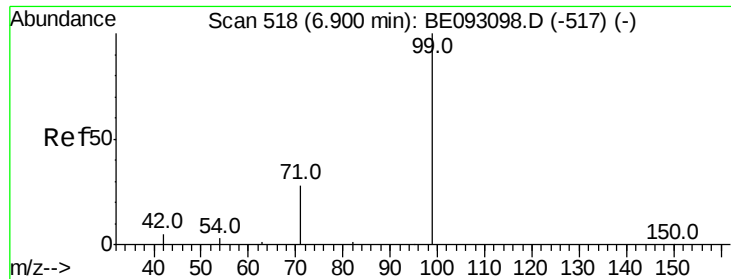
Ion Ratio Lower Upper

112 100

64 67.0 56.4 84.6

63 34.8 29.3 43.9





#5

Phenol-d6

Concen: 0.35 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

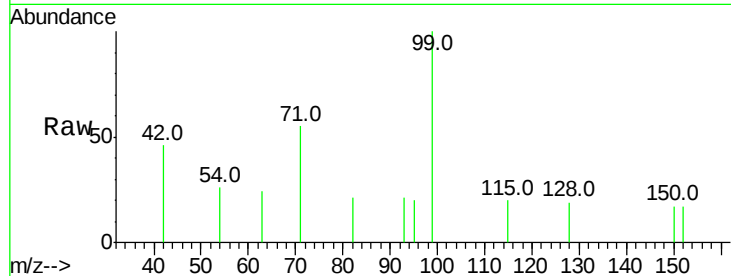
Tot Ion: 99 Resp: 964

Ion Ratio Lower Upper

99 100

42 102.9 0.0 0.0#

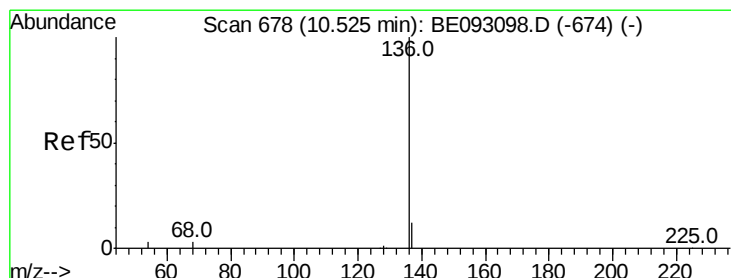
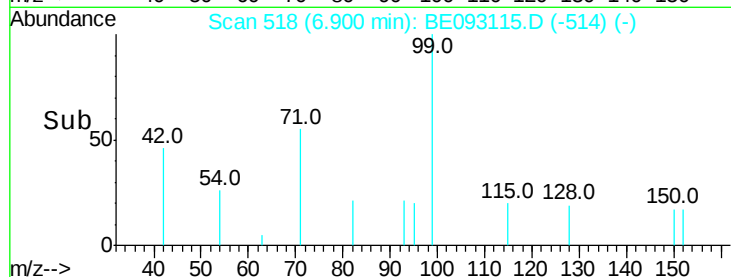
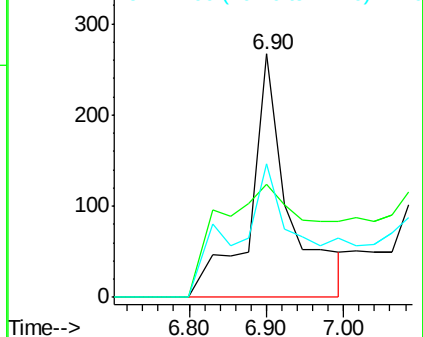
71 82.7 0.0 0.0#



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: BE093115.D

Acq: 12 Jun 2017 23:24

Tgt Ion: 136 Resp: 3256

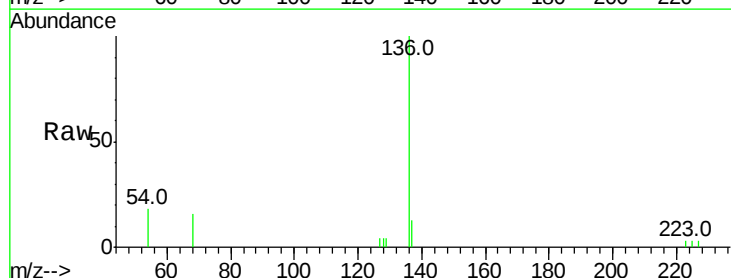
Ion Ratio Lower Upper

136 100

137 12.6 9.8 14.8

54 18.5 10.3 15.5#

68 16.5 9.0 13.4#

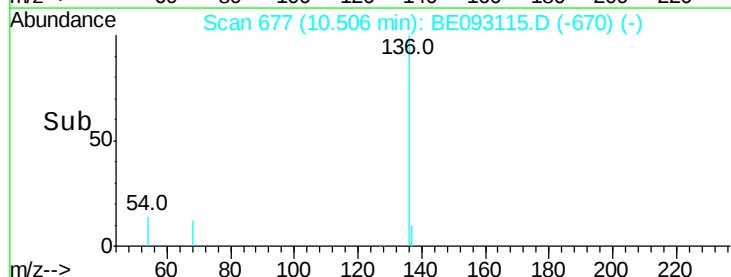
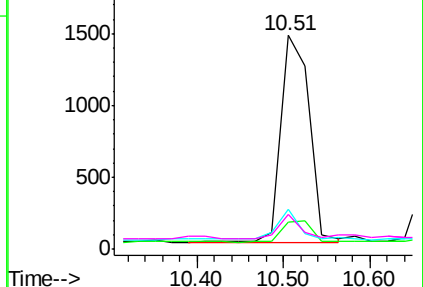


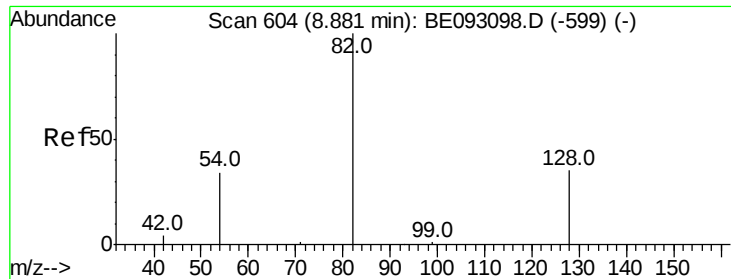
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.43 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

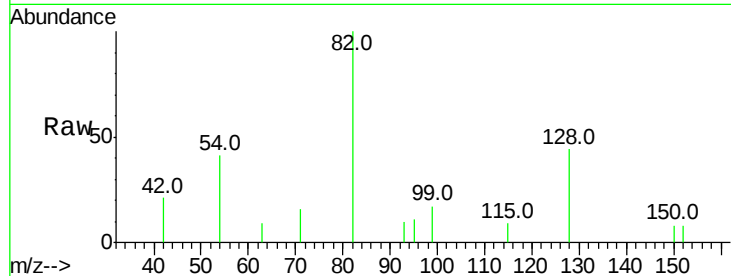
Tot Ion: 82 Resp: 1124

Ion Ratio Lower Upper

82 100

128 43.8 17.0 25.4#

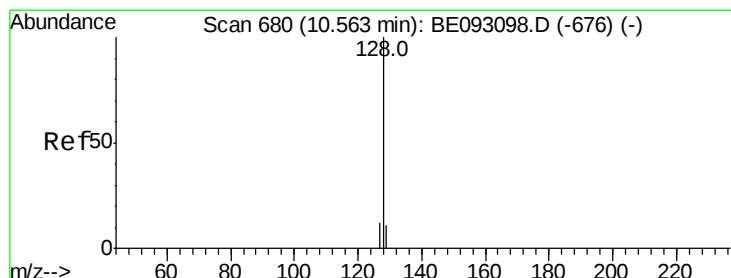
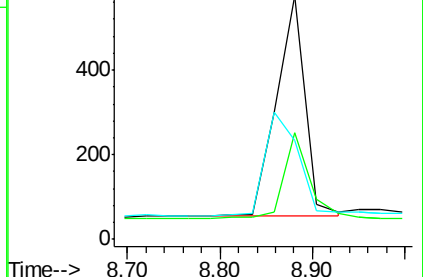
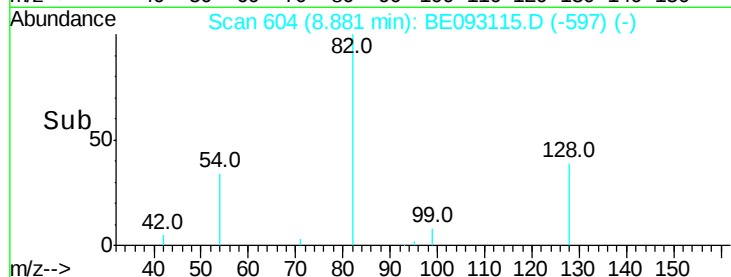
54 40.7 53.8 80.6#



Abundance Ion 82.00 (81.70 to 82.70): BE093115.D (-597) (-)

Ion 128.00 (127.70 to 128.70): BE093115.D (-597) (-)

Ion 54.00 (53.70 to 54.70): BE093115.D (-597) (-)



#9

Naphthalene

Concen: 13.85 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

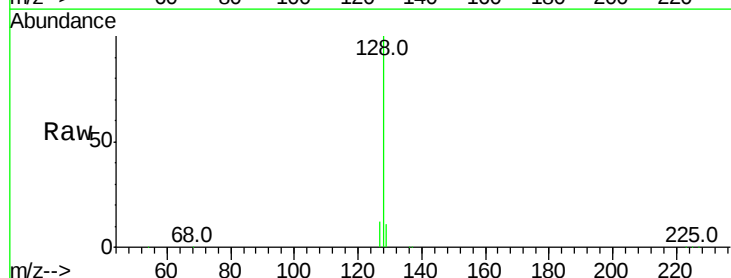
Tgt Ion: 128 Resp: 121033

Ion Ratio Lower Upper

128 100

129 11.4 11.4 17.0

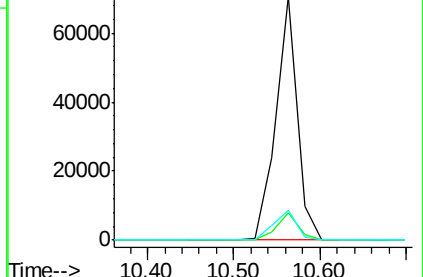
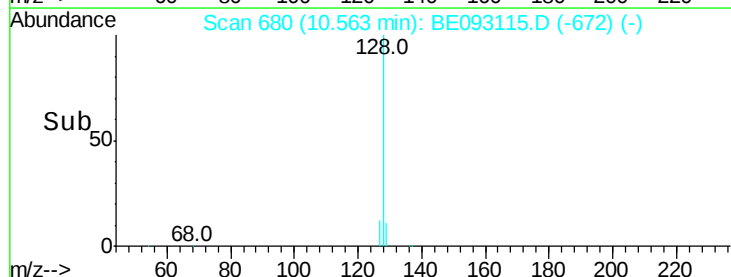
127 12.4 11.2 16.8

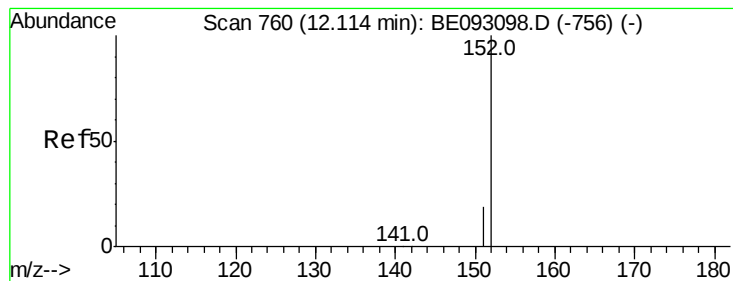


Abundance Ion 128.00 (127.70 to 128.70): BE093115.D (-672) (-)

Ion 129.00 (128.70 to 129.70): BE093115.D (-672) (-)

Ion 127.00 (126.70 to 127.70): BE093115.D (-672) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.42 ng

RT: 12.10 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

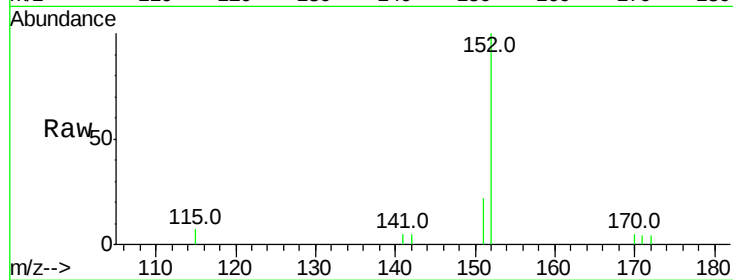
ClientSampleId :

Tot Ion:152 Resp: 2068

Ion Ratio Lower Upper

152 100

151 20.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.10

1000

800

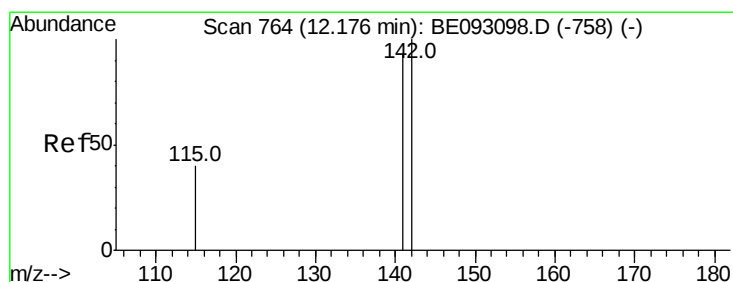
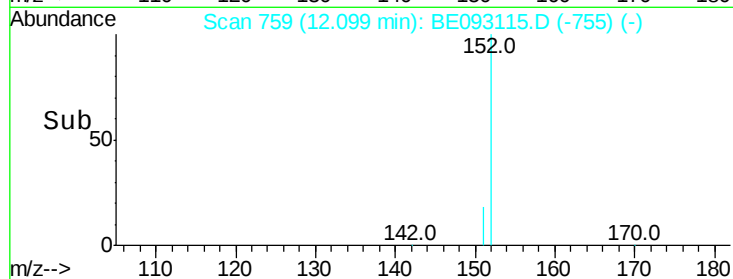
600

400

200

0

Time--> 12.00 12.05 12.10 12.15



#12

2-Methylnaphthalene

Concen: 2.95 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

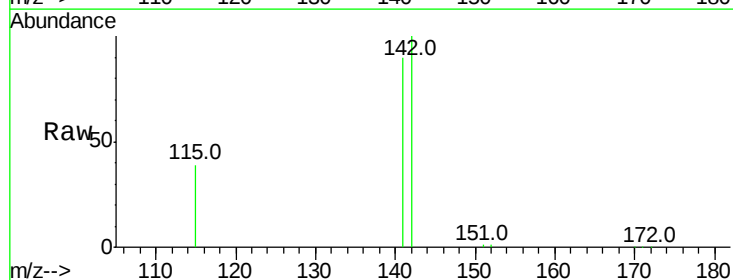
Tgt Ion:142 Resp: 15975

Ion Ratio Lower Upper

142 100

141 90.3 72.6 108.8

115 38.6 32.2 48.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

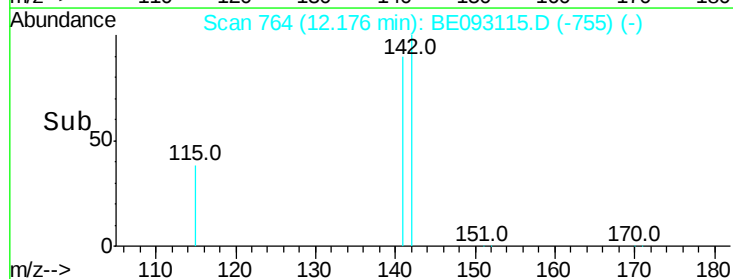
12.18

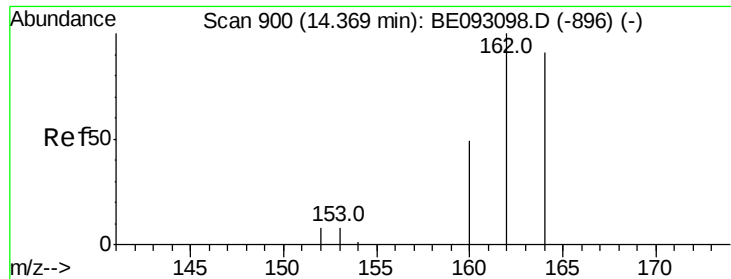
10000

5000

0

Time--> 12.10 12.20





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

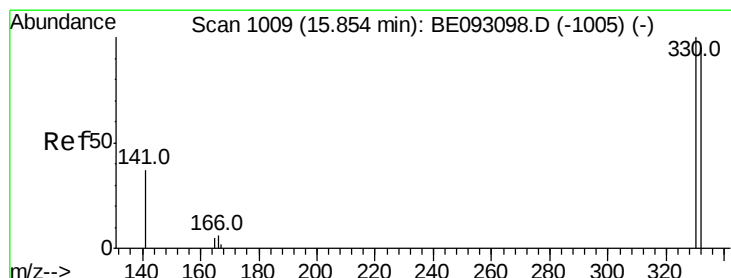
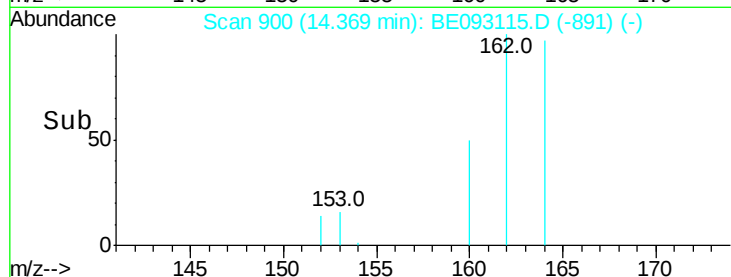
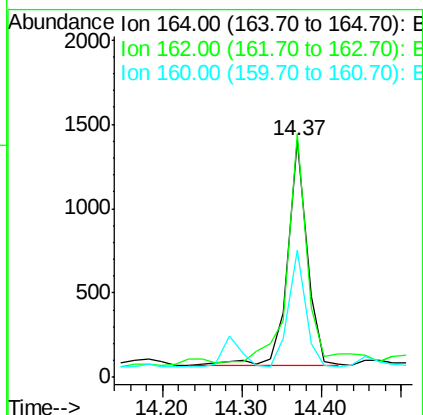
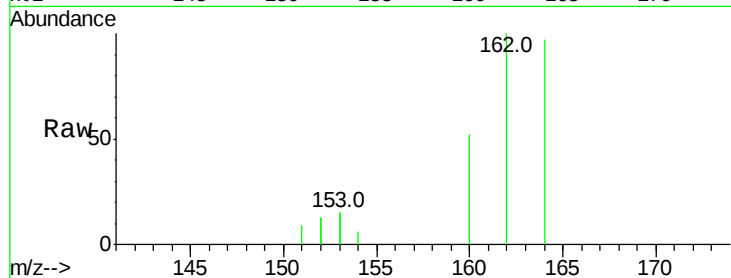
Tot Ion:164 Resp: 2225

Ion Ratio Lower Upper

164 100

162 102.9 84.6 127.0

160 53.5 41.8 62.6



#14

2,4,6-Tribromophenol

Concen: 0.69 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

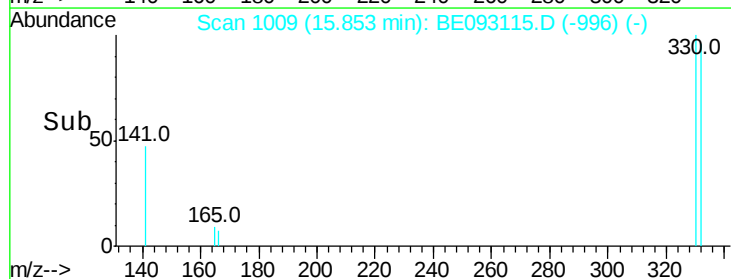
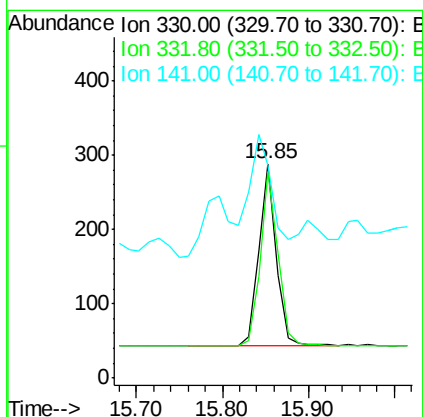
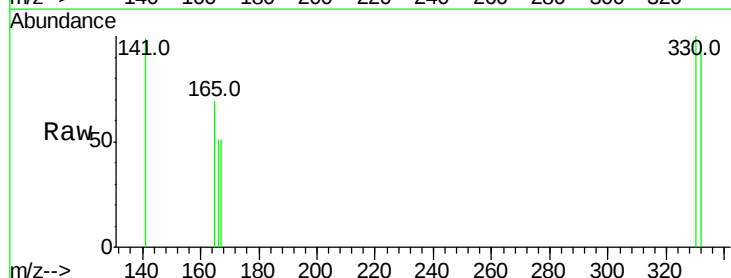
Tgt Ion:330 Resp: 352

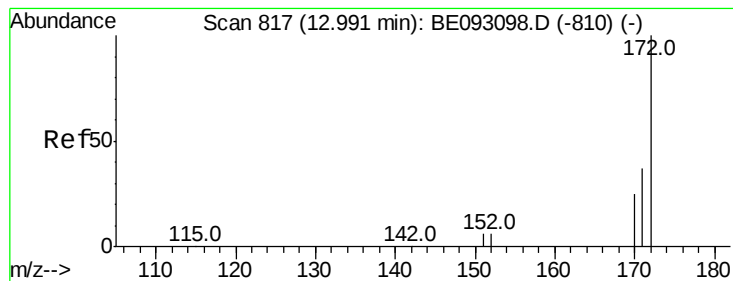
Ion Ratio Lower Upper

330 100

332 96.6 77.7 116.5

141 73.9 56.2 84.4

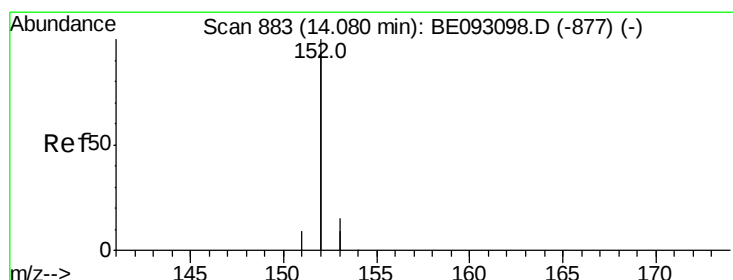
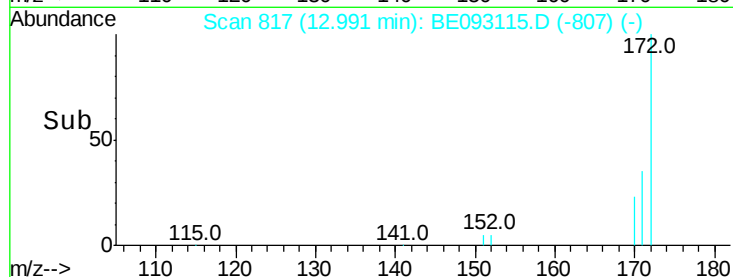
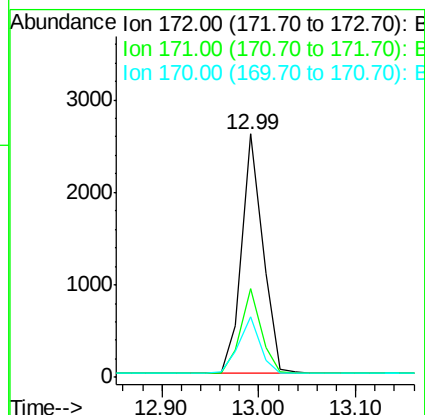
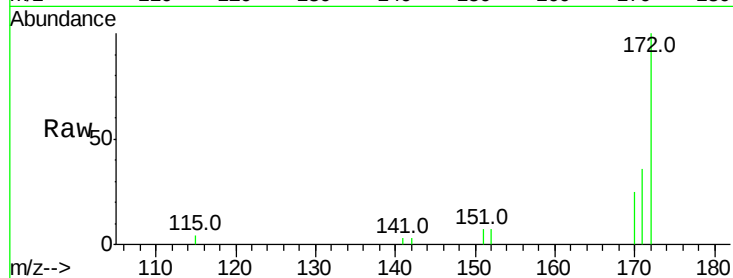




#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093115.D
Acq: 12 Jun 2017 23:24

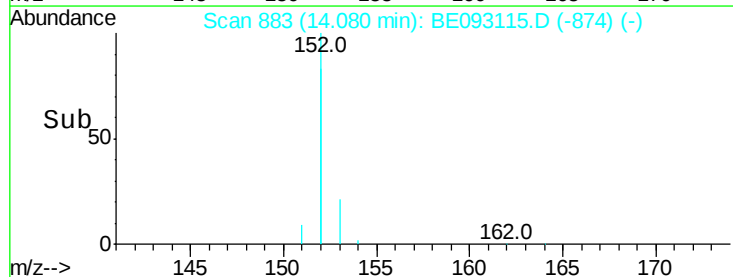
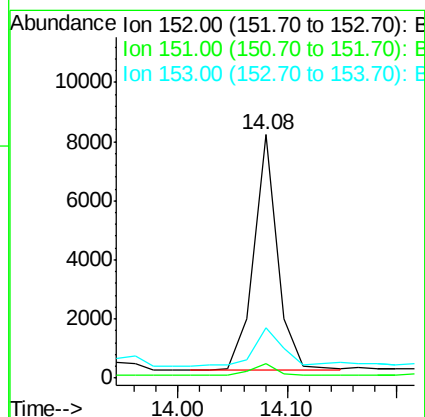
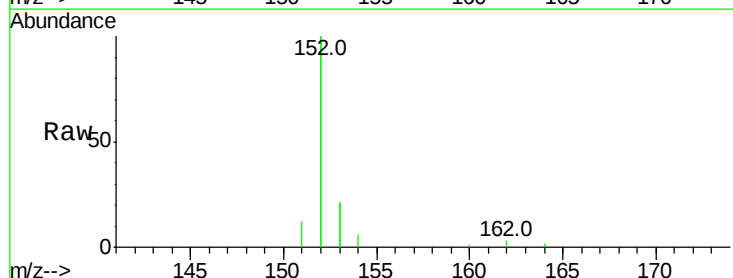
Instrument :
BNA_E
ClientSampleId :

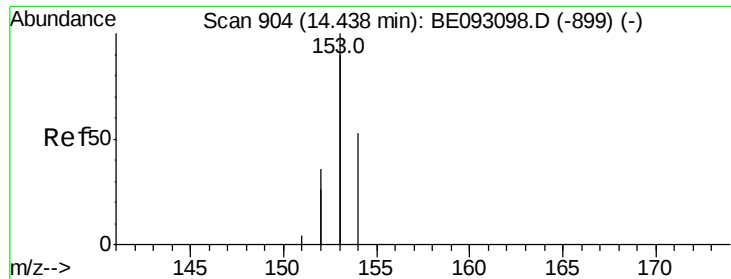
Tot Ion:172 Resp: 3911
Ion Ratio Lower Upper
172 100
171 36.2 29.8 44.6
170 24.9 20.7 31.1



#16
Acenaphthylene
Concen: 0.31 ng
RT: 14.08 min Scan# 883
Delta R.T. 0.00 min
Lab File: BE093115.D
Acq: 12 Jun 2017 23:24

Tgt Ion:152 Resp: 11929
Ion Ratio Lower Upper
152 100
151 5.4 4.0 6.0
153 20.9 10.3 15.5#

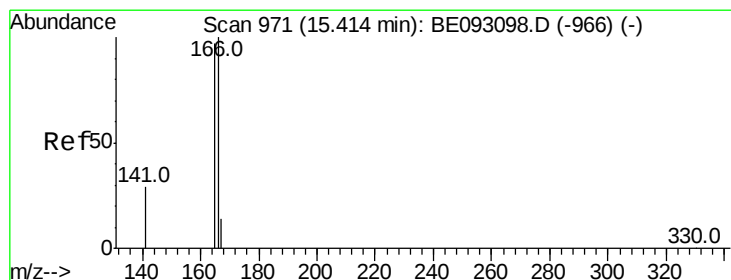
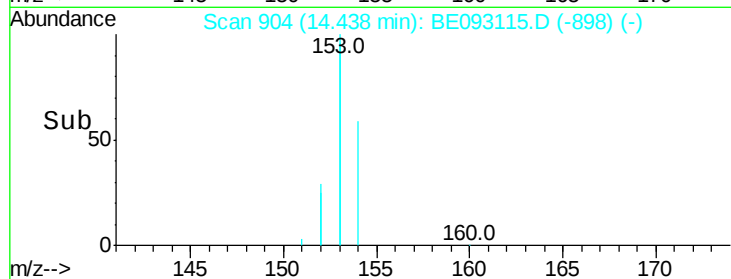
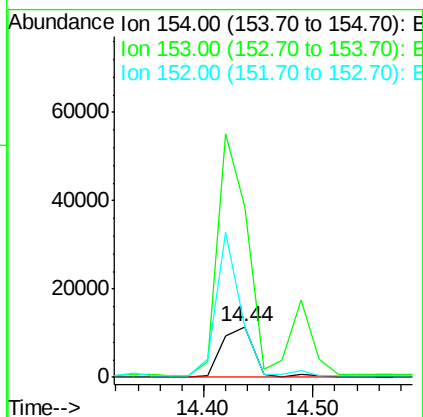
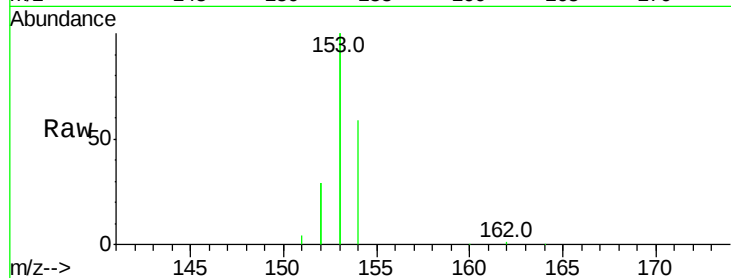




#17
Acenaphthene
Concen: 3.16 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093115.D
Acq: 12 Jun 2017 23:24

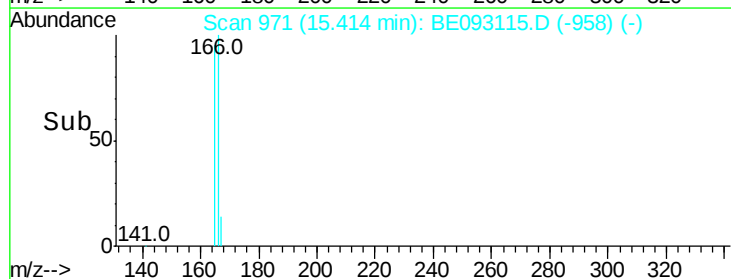
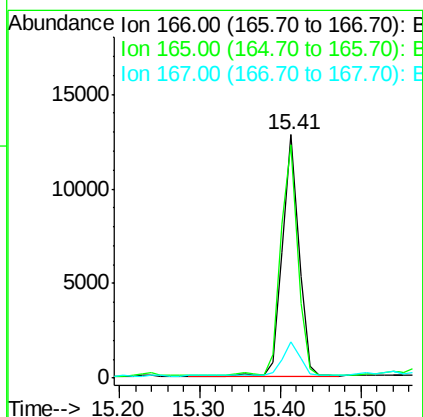
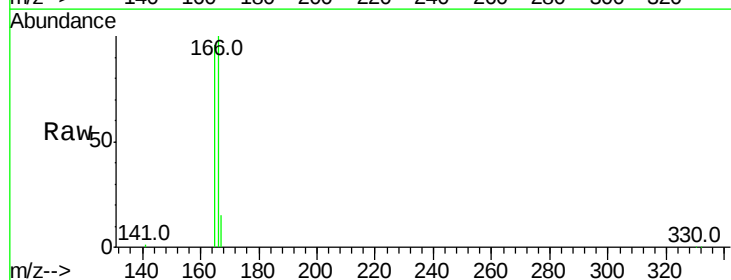
Instrument :
BNA_E
ClientSampleId :

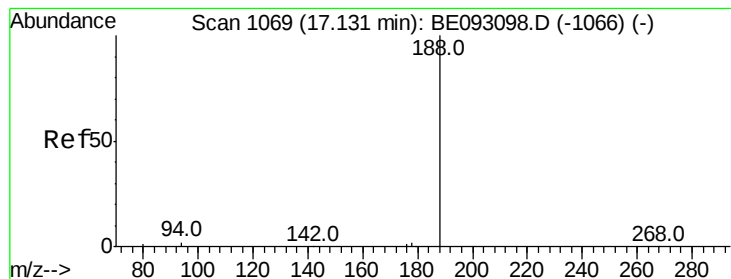
Tot Ion:154 Resp: 22773
Ion Ratio Lower Upper
154 100
153 452.1 367.8 551.6
152 215.8 188.2 282.2



#18
Fluorene
Concen: 2.10 ng
RT: 15.41 min Scan# 971
Delta R.T. -0.00 min
Lab File: BE093115.D
Acq: 12 Jun 2017 23:24

Tgt Ion:166 Resp: 18299
Ion Ratio Lower Upper
166 100
165 98.6 78.6 117.8
167 14.7 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

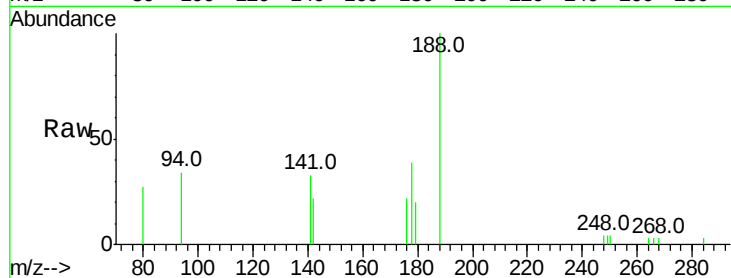
Tot Ion:188 Resp: 3613

Ion Ratio Lower Upper

188 100

94 34.0 11.3 16.9#

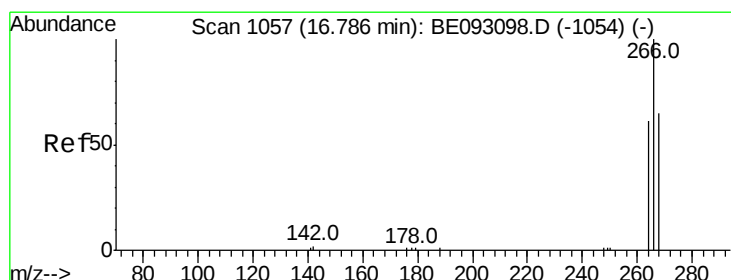
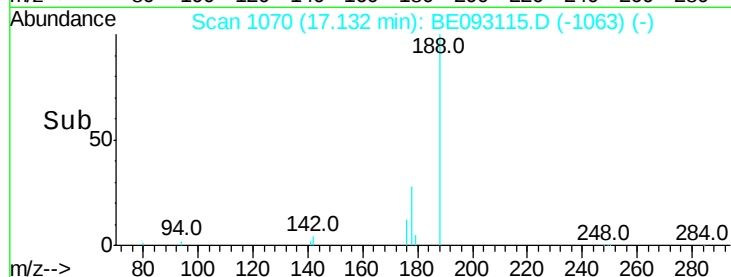
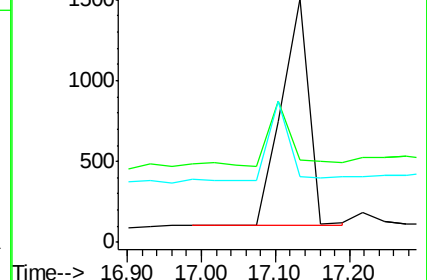
80 27.0 11.7 17.5#



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: 0.04 ng

RT: 16.79 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

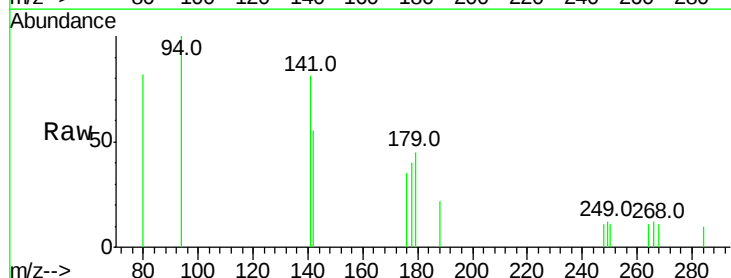
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 94.0 58.2 87.2#

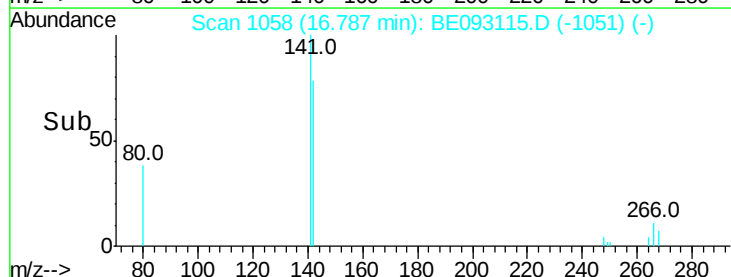
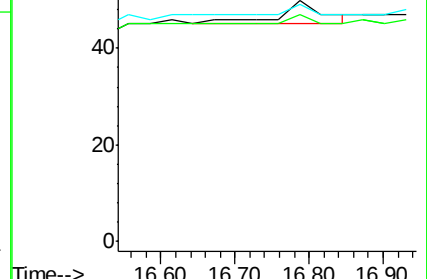
268 98.0 71.9 107.9

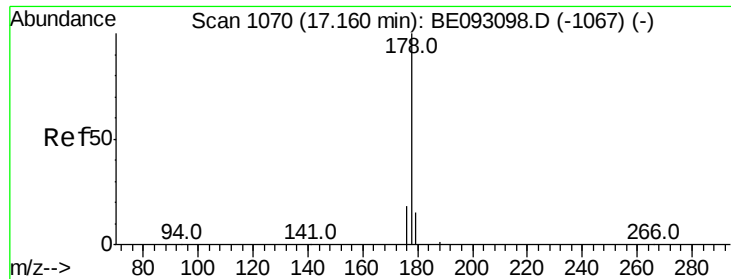


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

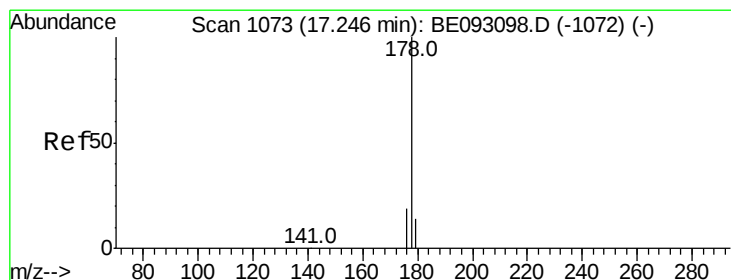
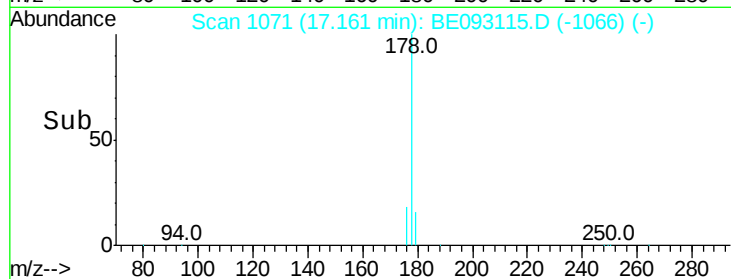
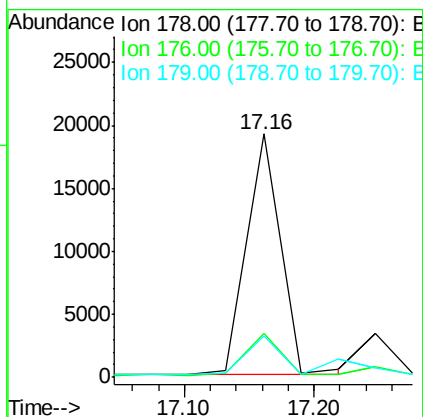
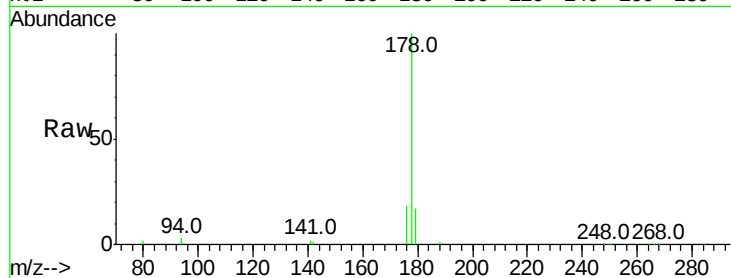




#23
Phenanthrene
Concen: 2.12 ng
RT: 17.16 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BE093115.D
Acq: 12 Jun 2017 23:24

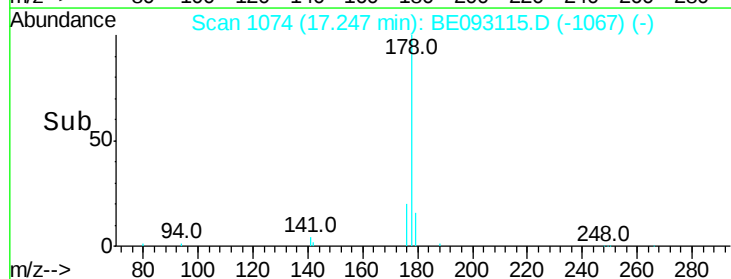
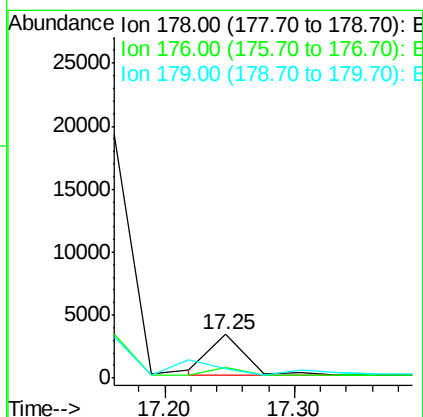
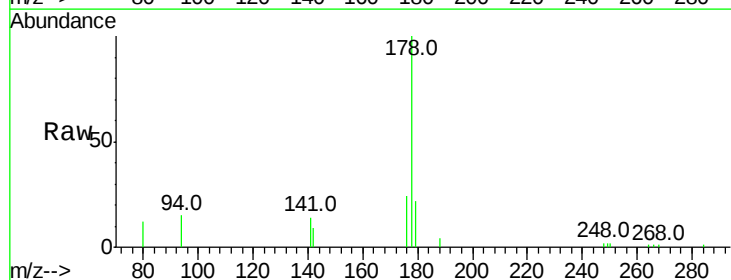
Instrument :
BNA_E
ClientSampleId :

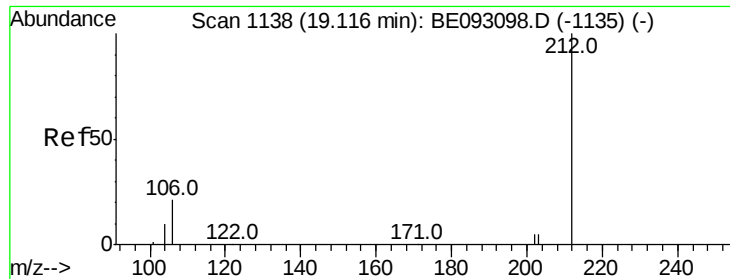
Tot Ion:178 Resp: 34639
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 24.3 12.7 19.1#



#24
Anthracene
Concen: 0.43 ng
RT: 17.25 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE093115.D
Acq: 12 Jun 2017 23:24

Tgt Ion:178 Resp: 5888
Ion Ratio Lower Upper
178 100
176 19.4 14.6 22.0
179 0.0 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.46 ng

RT: 19.11 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

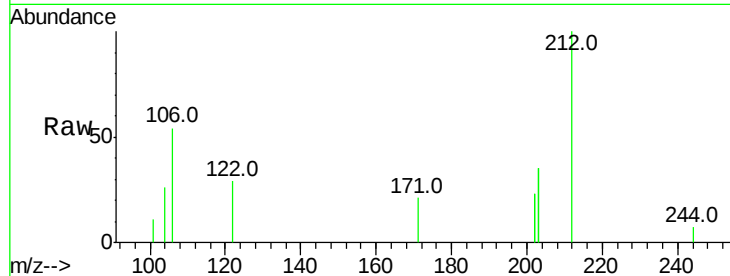
Tot Ion:212 Resp: 5469

Ion Ratio Lower Upper

212 100

106 21.7 0.0 0.0#

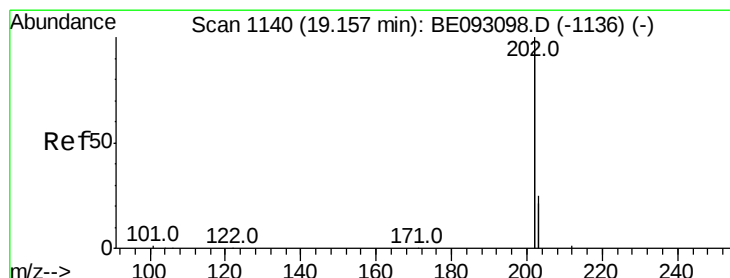
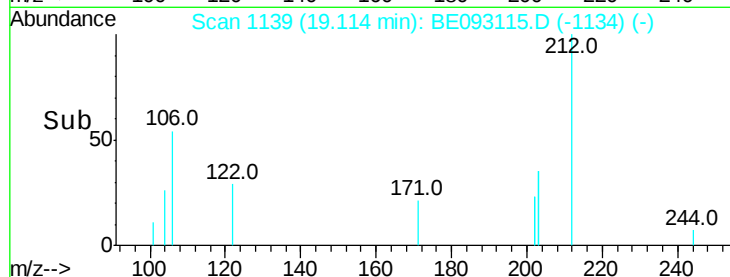
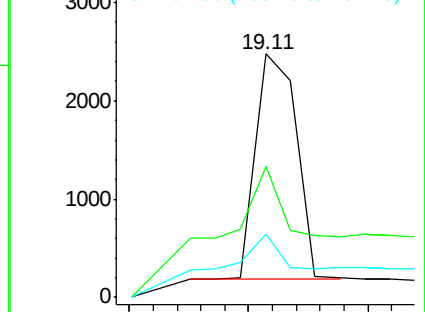
104 11.4 0.0 0.0#



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



#26

Fluoranthene

Concen: 0.18 ng

RT: 19.16 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

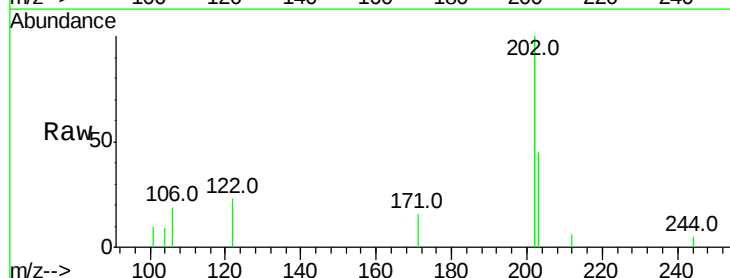
Tgt Ion:202 Resp: 10871

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

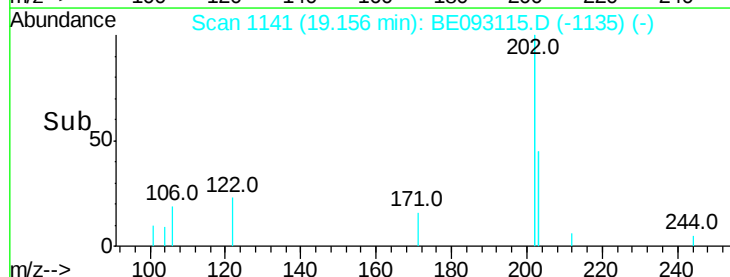
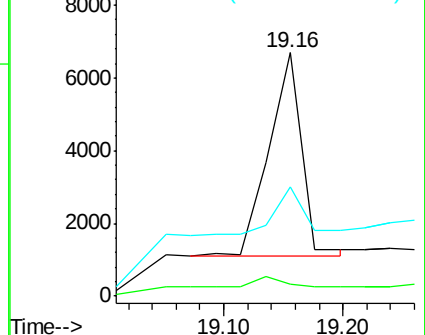
203 21.4 14.4 21.6

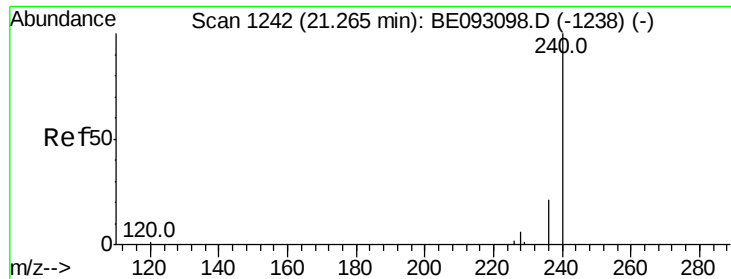


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

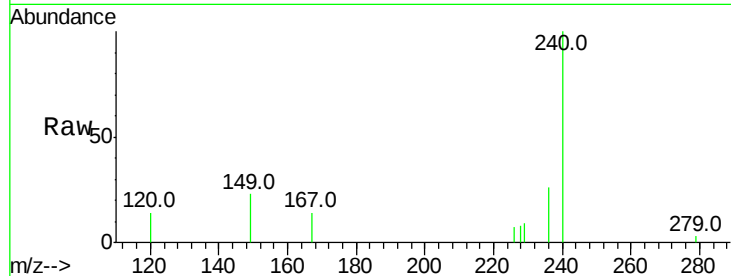




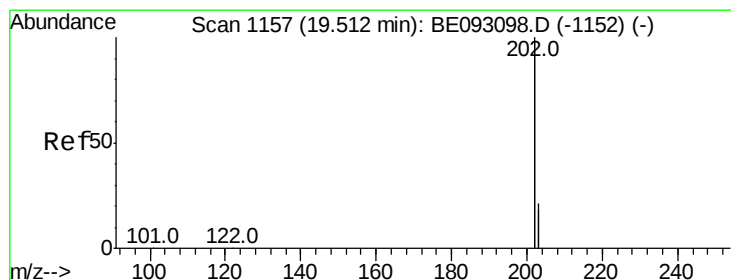
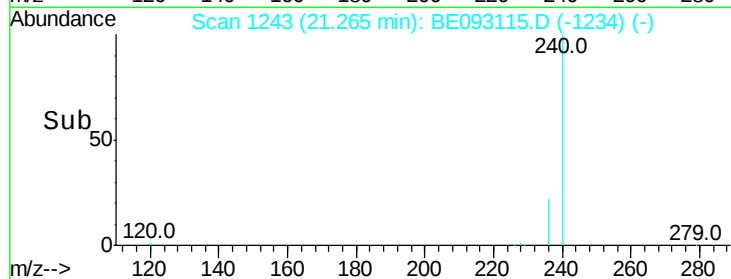
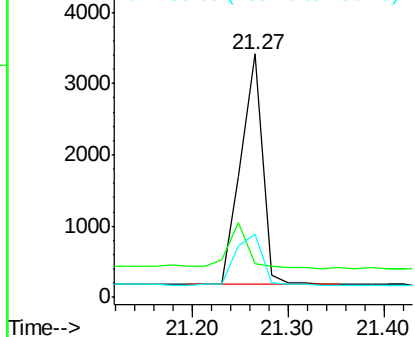
#27
 Chrysene-d12
 Concen: 0.40 ng
 RT: 21.27 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BE093115.D
 Acq: 12 Jun 2017 23:24

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:240 Resp: 5171
 Ion Ratio Lower Upper
 240 100
 120 13.7 4.6 7.0#
 236 25.7 20.8 31.2

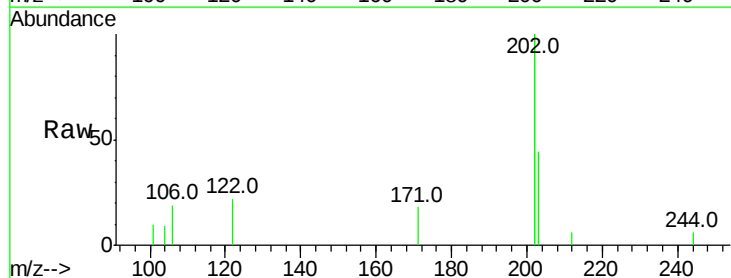


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

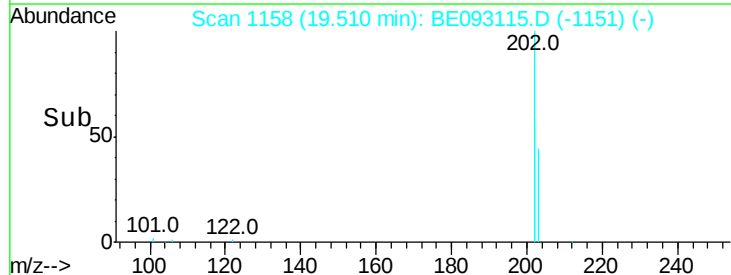
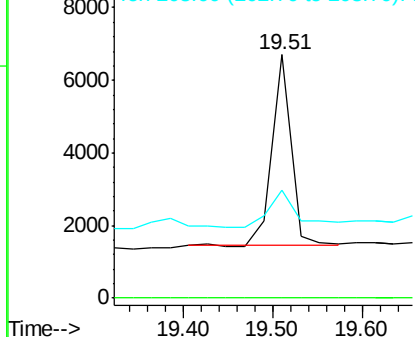


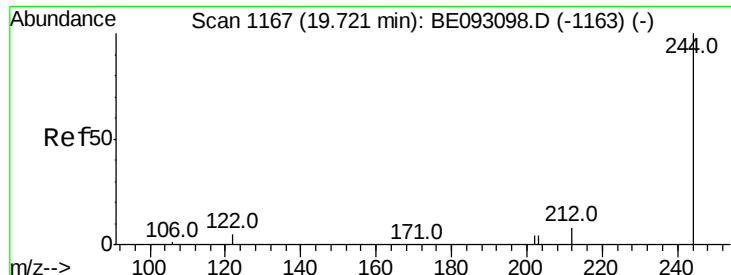
#28
 Pyrene
 Concen: 0.12 ng
 RT: 19.51 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: BE093115.D
 Acq: 12 Jun 2017 23:24

Tgt Ion:202 Resp: 7642
 Ion Ratio Lower Upper
 202 100
 200 0.0 0.0 0.0
 203 29.0 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: 0.51 ng

RT: 19.72 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

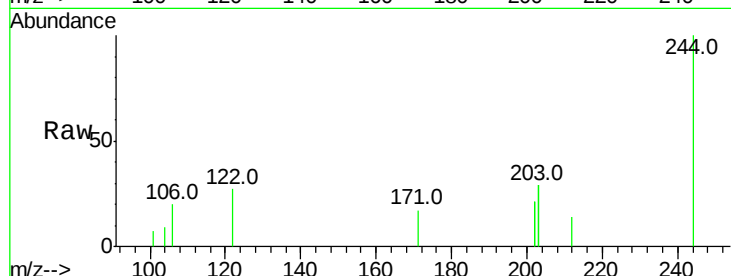
Tot Ion:244 Resp: 5070

Ion Ratio Lower Upper

244 100

212 13.7 10.6 16.0

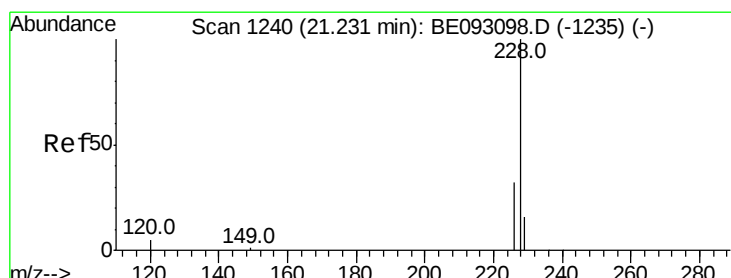
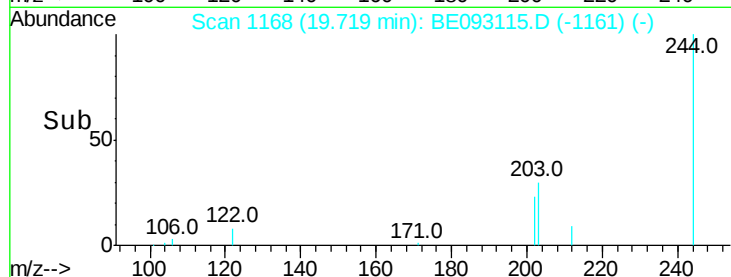
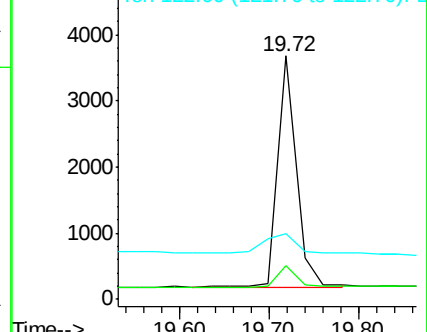
122 27.2 15.4 23.0#



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: 21.28 min Scan# 1244

Delta R.T. 0.05 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

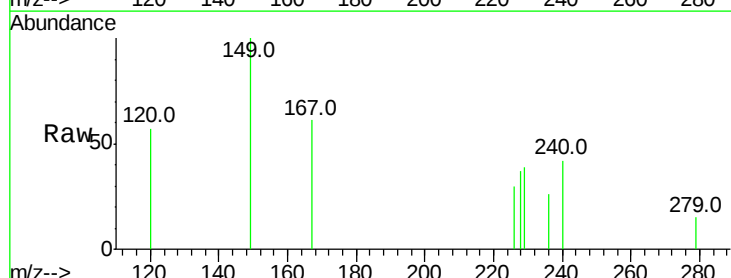
Tgt Ion:228 Resp: 279

Ion Ratio Lower Upper

228 100

226 80.1 19.7 29.5#

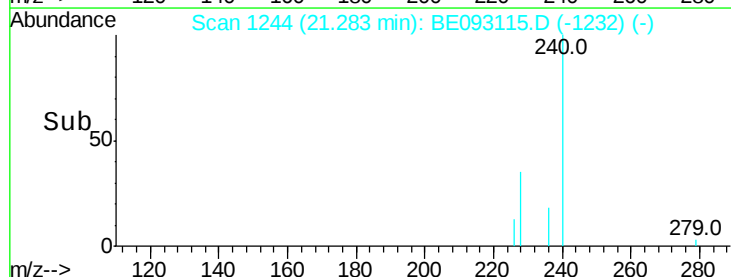
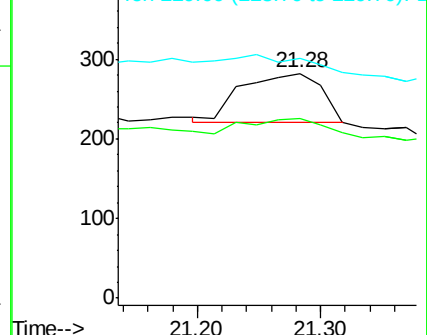
229 106.7 19.2 28.8#

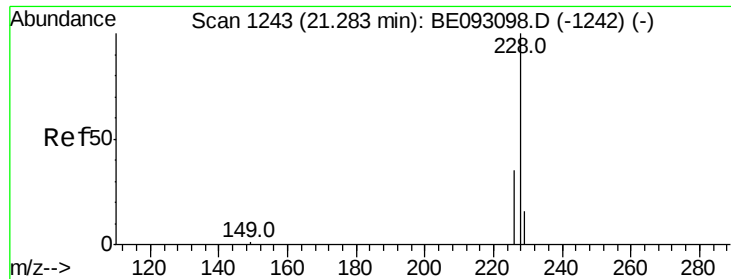


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.03 ng

RT: 21.28 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

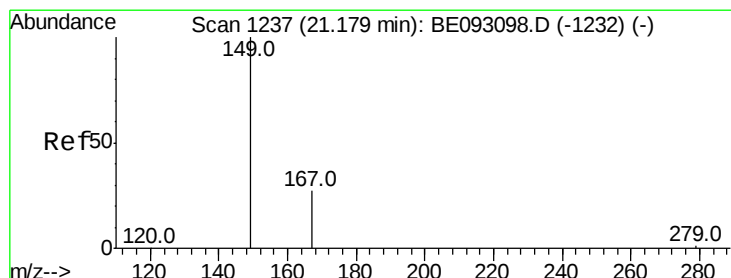
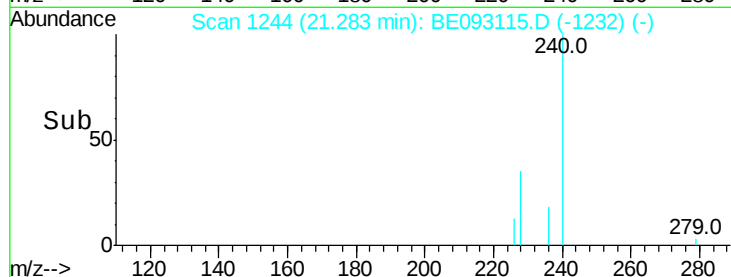
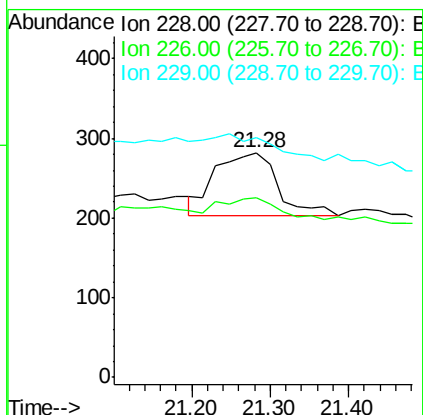
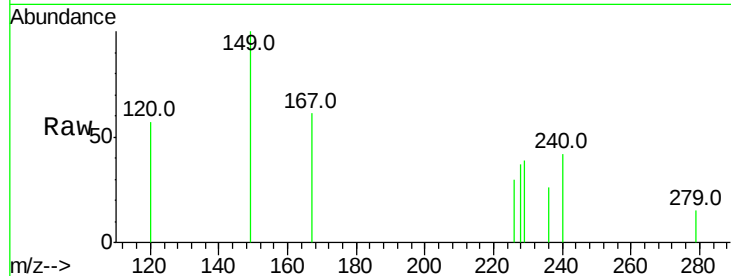
Tot Ion:228 Resp: 436

Ion Ratio Lower Upper

228 100

226 80.1 21.5 32.3#

229 106.7 18.6 28.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

RT: 21.18 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

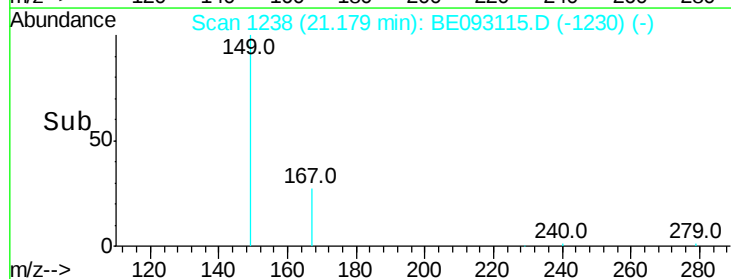
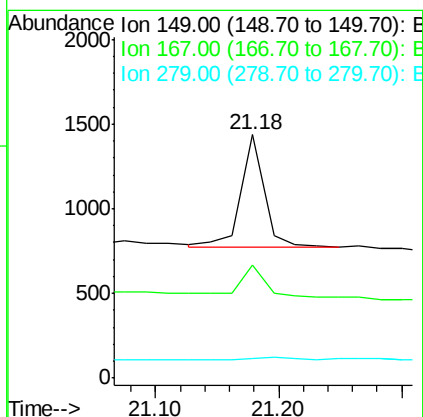
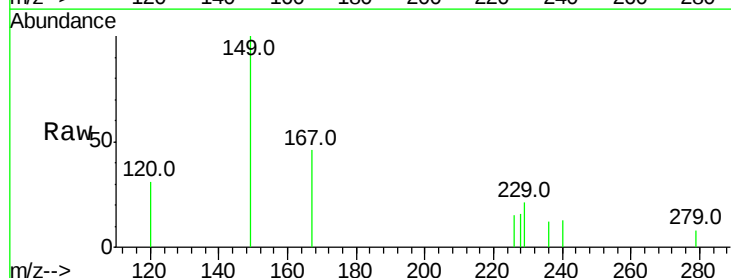
Tgt Ion:149 Resp: 877

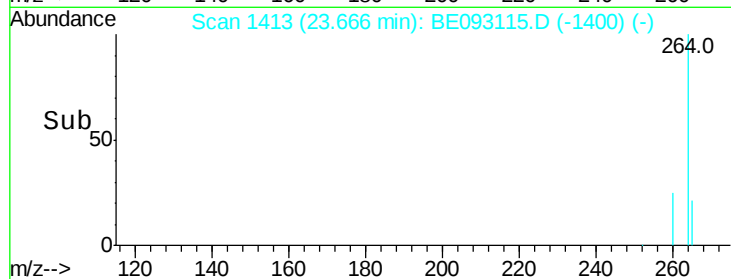
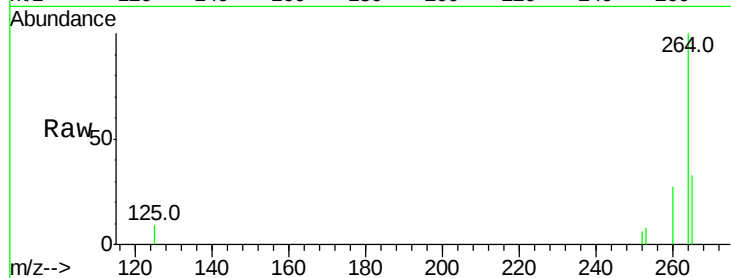
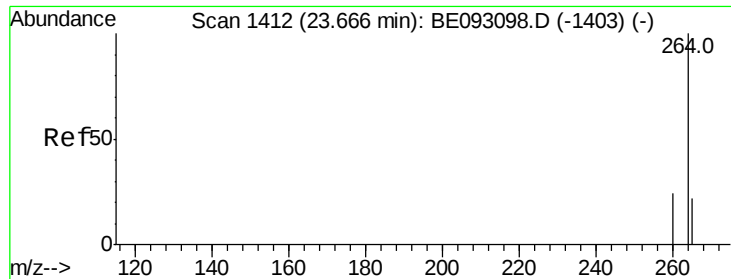
Ion Ratio Lower Upper

149 100

167 32.0 20.1 30.1#

279 3.5 2.2 3.4#





#34

Pervlene-d12

Concen: 0.40 ng

RT: 23.67 min Scan# 1413

Delta R.T. -0.00 min

Lab File: BE093115.D

Acq: 12 Jun 2017 23:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 4304

Ion Ratio Lower Upper

264 100

260 27.3 21.0 31.4

265 32.9 24.6 36.8

