

Data File : BE093328.D
Acq On : 22 Jun 2017 14:56
Operator : SJ/JU
Sample : PB99833BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB99833BSD

Quant Time: Jun 23 07:11:49 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	229	0.40	ng	-0.02
7) Naphthalene-d8	10.51	136	973	0.40	ng	-0.02
13) Acenaphthene-d10	14.37	164	450	0.40	ng	0.00
19) Phenanthrene-d10	17.10	188	808	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	1341	0.40	ng	-0.02
34) Perylene-d12	23.66	264	1144	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	275	0.41	ng	0.00
5) Phenol-d6	6.90	99	898	0.91	ng	0.00
8) Nitrobenzene-d5	8.86	82	329	0.42	ng	-0.02
11) 2-Methylnaphthalene-d10	12.10	152	557	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	51	0.50	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	734	0.38	ng	0.00
25) Fluoranthene-d10	19.11	212	1662	0.62	ng	0.00
29) Terphenyl-d14	19.72	244	862	0.33	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	111	0.22	ng	# 67
3) n-Nitrosodimethylamine	3.60	42	137	0.32	ng	92
6) bis(2-Chloroethyl)ether	7.15	93	296	0.34	ng	# 99
9) Naphthalene	10.54	128	871	0.33	ng	# 82
10) Hexachlorobutadiene	10.85	225	123	0.35	ng	98
12) 2-Methylnaphthalene	12.18	142	560	0.35	ng	95
16) Acenaphthylene	14.08	152	2786	0.36	ng	99
17) Acenaphthene	14.42	154	513	0.35	ng	92
18) Fluorene	15.41	166	582	0.33	ng	100
21) Hexachlorobenzene	16.44	284	178	0.41	ng	# 100
22) Pentachlorophenol	16.79	266	121	0.87	ng	91
23) Phenanthrene	17.16	178	963	0.26	ng	95
24) Anthracene	17.25	178	923	0.30	ng	98
26) Fluoranthene	19.14	202	4663	0.35	ng	# 59
28) Pyrene	19.51	202	4795	0.29	ng	# 96
30) Benzo(a)anthracene	21.23	228	1365	0.38	ng	# 91
31) Chrysene	21.23	228	1365	0.35	ng	94
32) Bis(2-ethylhexyl)phthalate	21.16	149	423	0.28	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.17	276	5627	0.39	ng	100
35) Benzo(b)fluoranthene	22.92	252	1279	0.35	ng	# 93
36) Benzo(k)fluoranthene	22.96	252	1319	0.37	ng	# 94
37) Benzo(a)pyrene	23.55	252	1134	0.36	ng	# 91
38) Dibenzo(a,h)anthracene	26.20	278	1208	0.36	ng	94
39) Benzo(g,h,i)perylene	26.95	276	4723	0.35	ng	# 90

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

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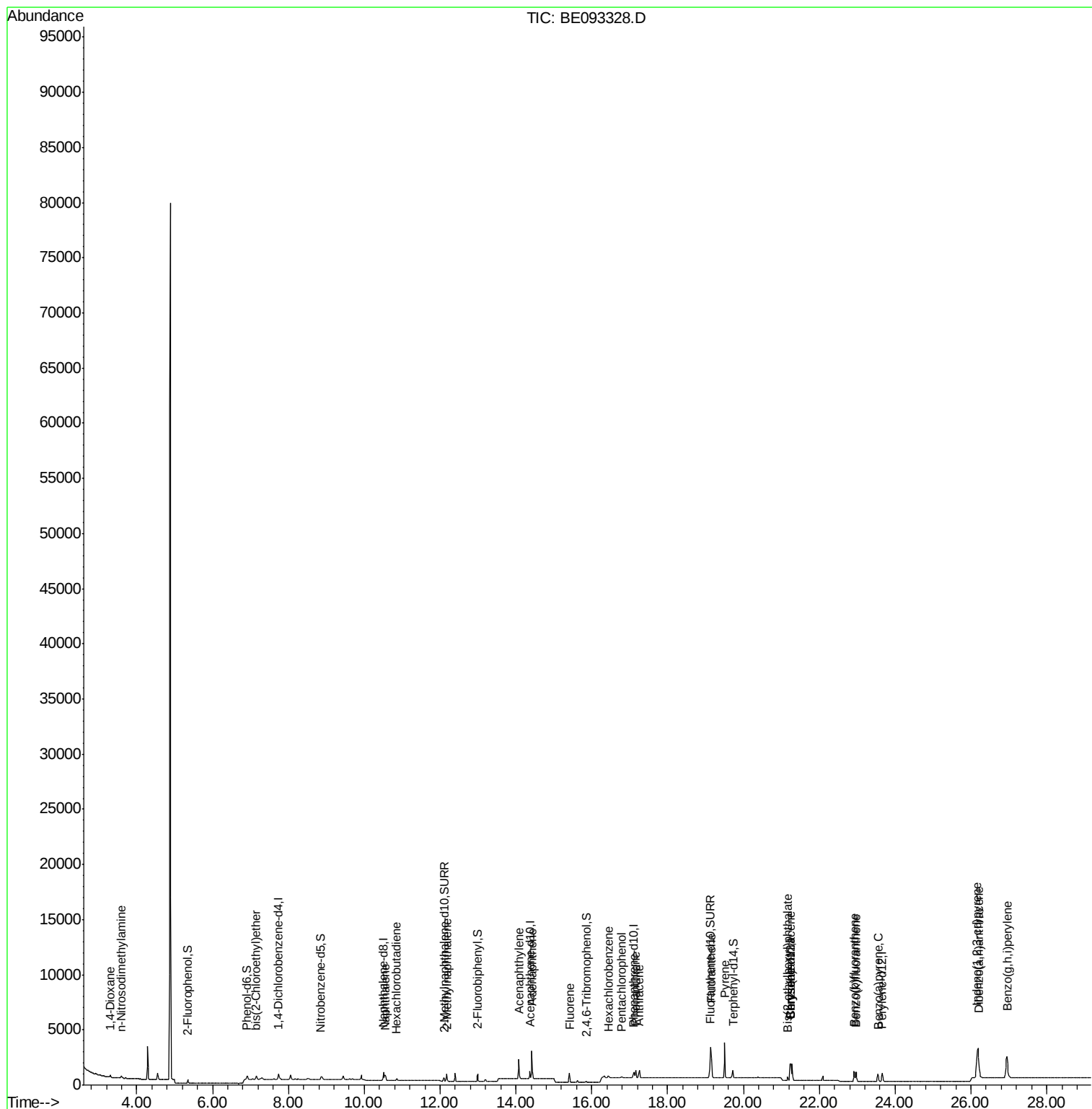
Quant Time: Jun 23 07:11:49 2017

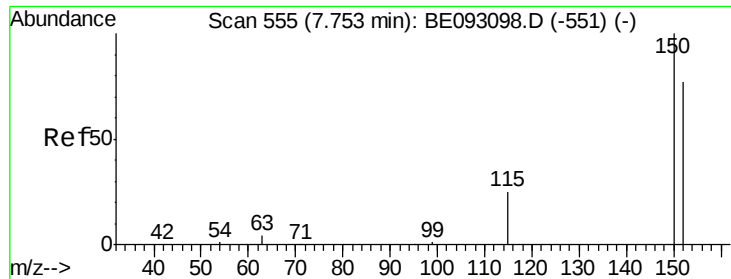
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061217.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 12 14:07:54 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.73 min Scan# 554

Delta R.T. -0.02 min

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Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

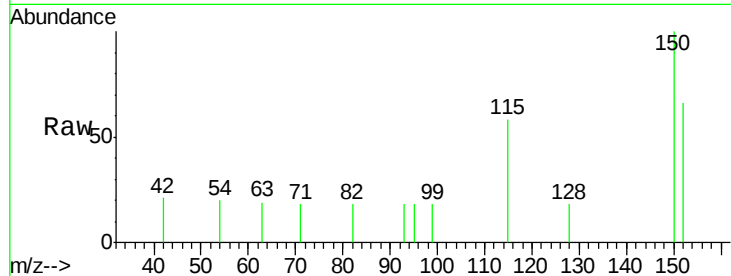
Tgt Ion: 152 Resp: 229

Ion Ratio Lower Upper

152 100

150 151.8 125.1 187.7

115 88.4 55.7 83.5#

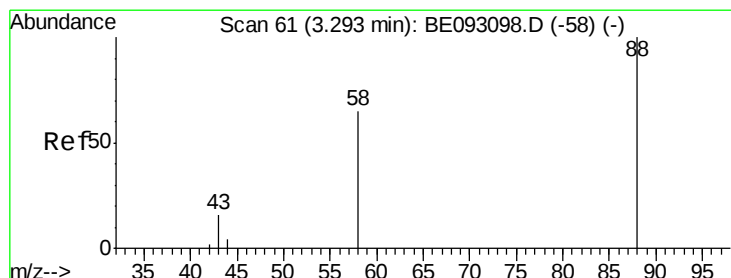
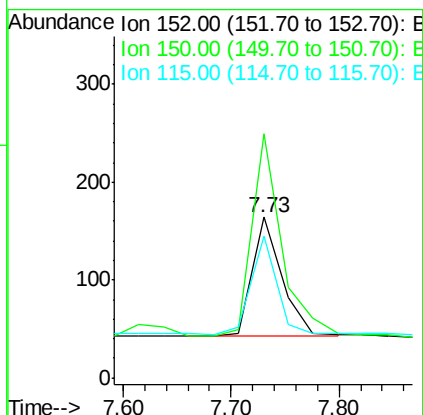
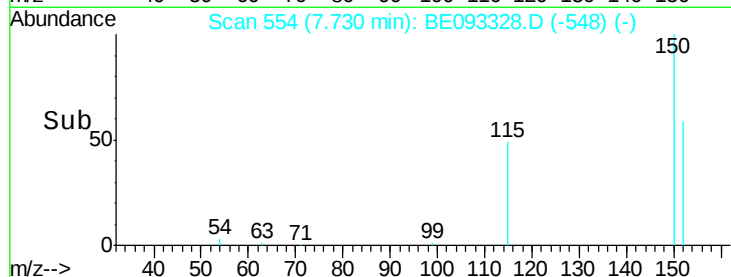


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



#2

1,4-Dioxane

Concen: 0.22 ng

RT: 3.29 min Scan# 61

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

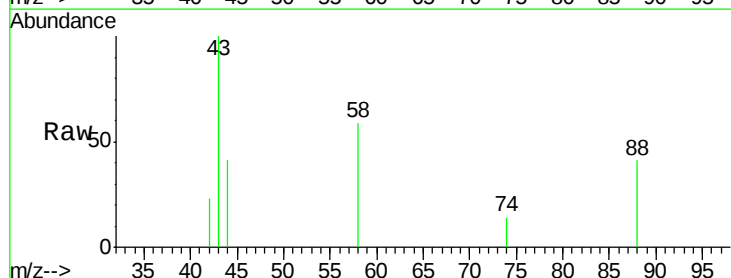
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

58 100.0 62.2 93.4#

43 0.0 23.2 34.8#

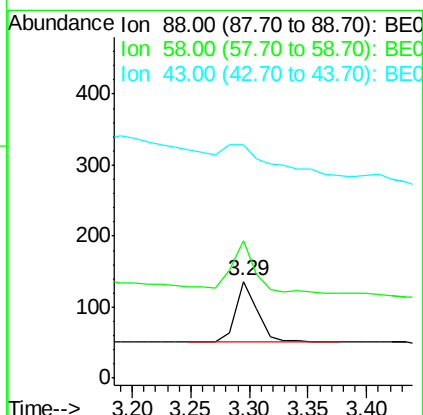
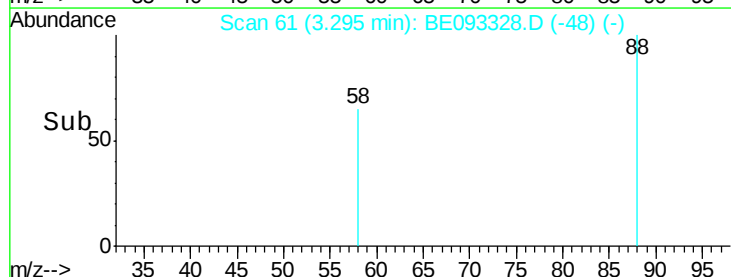


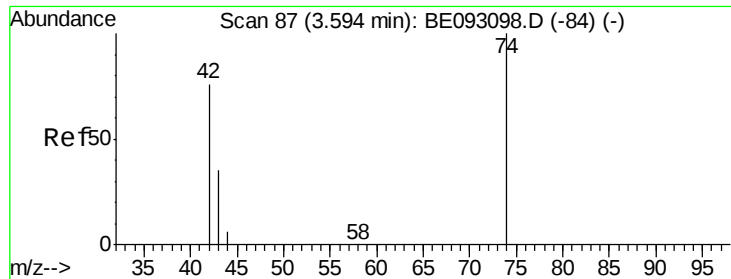
Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

Time-->





#3

n-Nitrosodimethylamine

Concen: 0.32 ng

RT: 3.60 min Scan# 87

Delta R.T. 0.00 min

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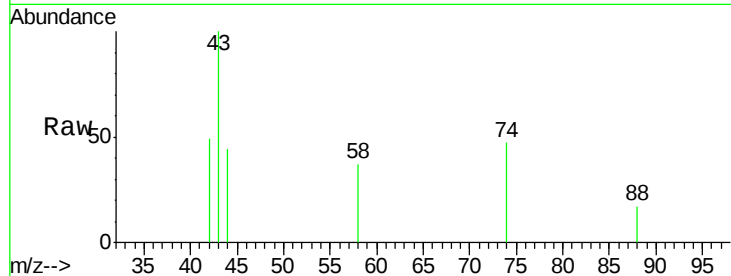
Tgt Ion: 42 Resp: 137

Ion Ratio Lower Upper

42 100

74 133.6 99.1 148.7

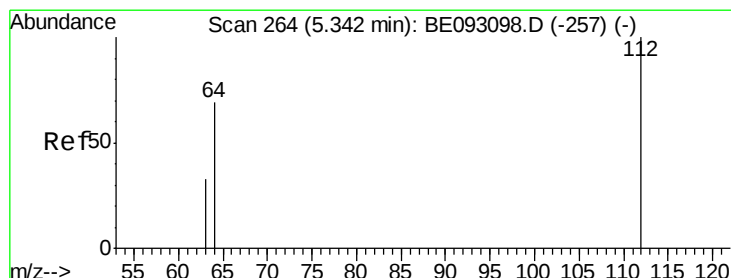
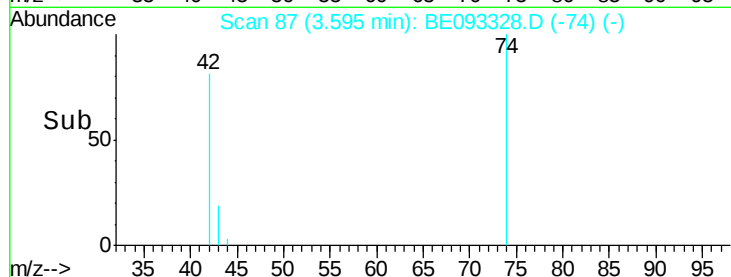
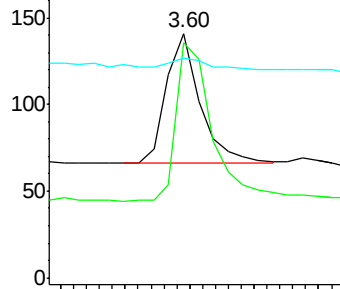
44 10.9 7.4 11.2



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.41 ng

RT: 5.35 min Scan# 265

Delta R.T. 0.01 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

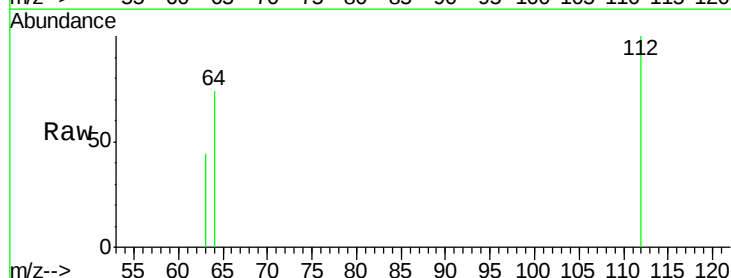
Tgt Ion: 112 Resp: 275

Ion Ratio Lower Upper

112 100

64 71.3 56.4 84.6

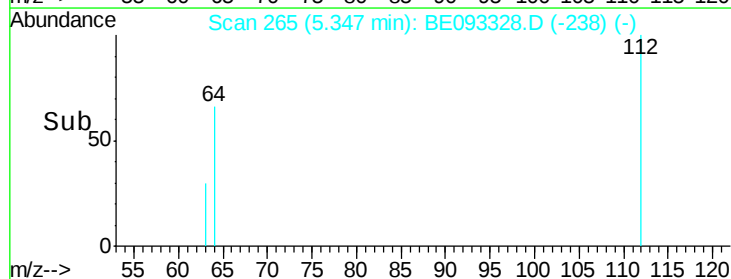
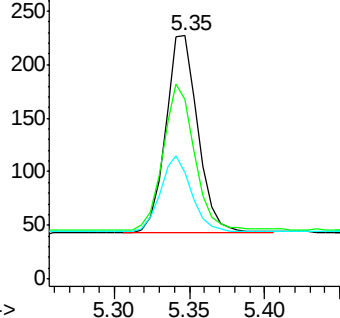
63 37.1 29.3 43.9

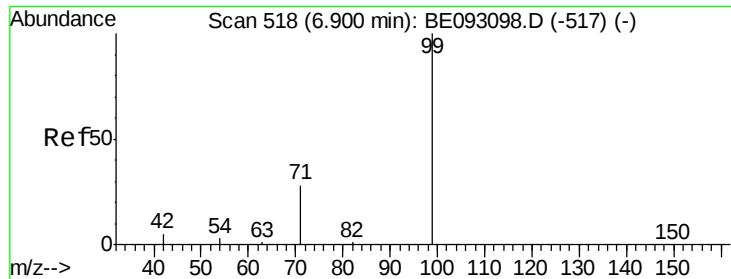


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.91 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

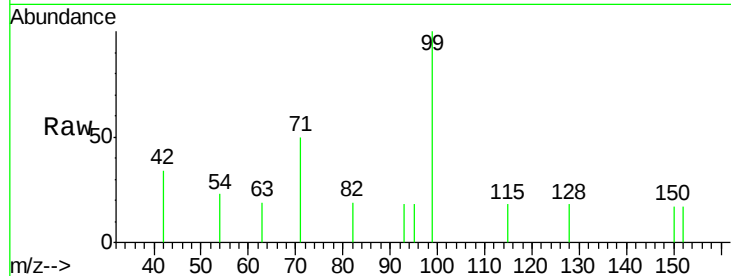
Tgt Ion: 99 Resp: 898

Ion Ratio Lower Upper

99 100

42 76.3 0.0 0.0#

71 67.7 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

6.90

300

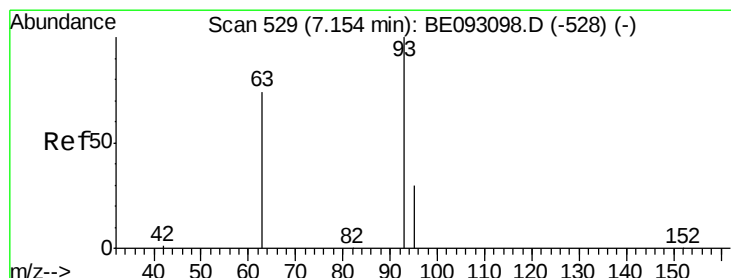
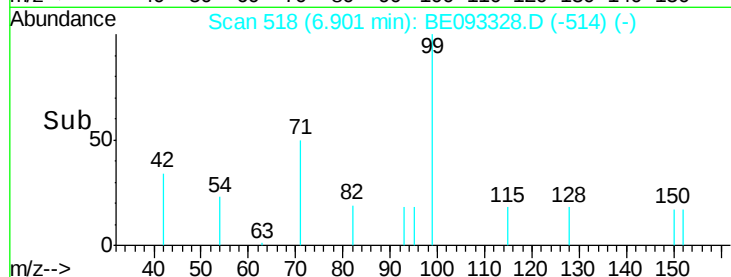
200

100

0

6.80 6.90 7.00

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.34 ng

RT: 7.15 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

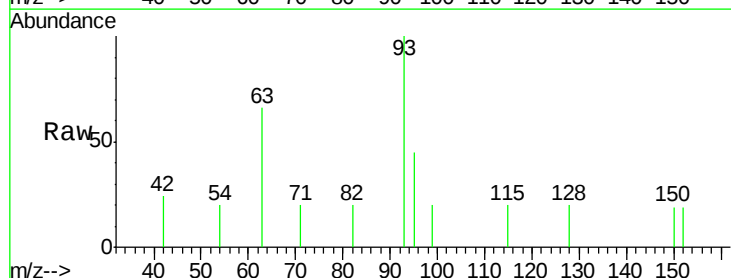
Tgt Ion: 93 Resp: 296

Ion Ratio Lower Upper

93 100

63 78.4 0.0 0.0#

95 31.4 25.4 38.0



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

7.15

300

250

200

150

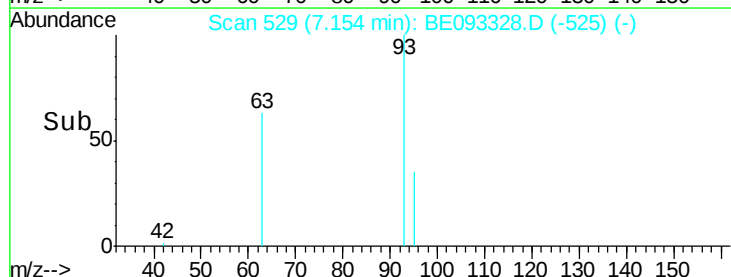
100

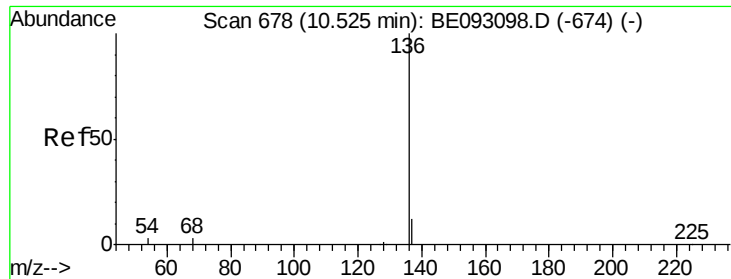
50

0

7.10 7.15 7.20

Time-->





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.51 min Scan# 677

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 973

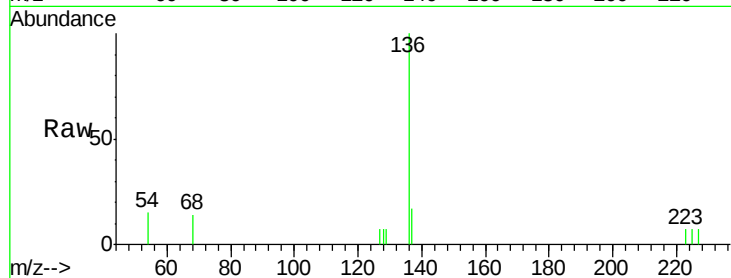
Ion Ratio Lower Upper

136 100

137 16.8 9.8 14.8#

54 15.0 10.3 15.5

68 14.1 9.0 13.4#

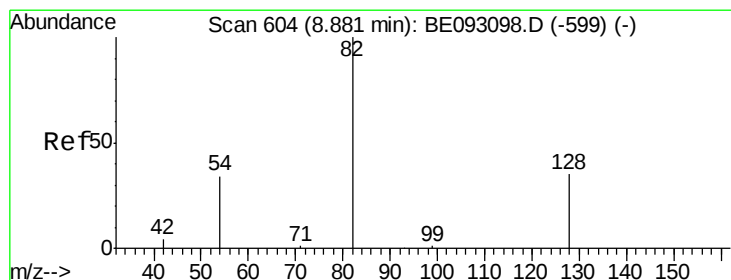
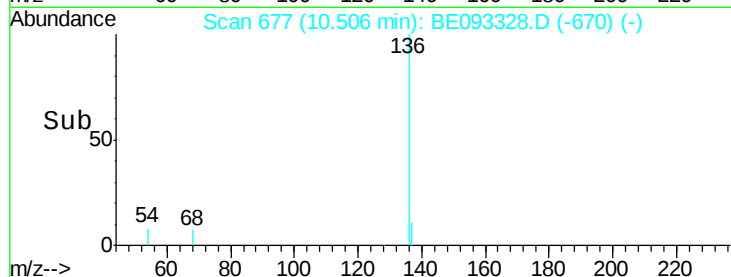
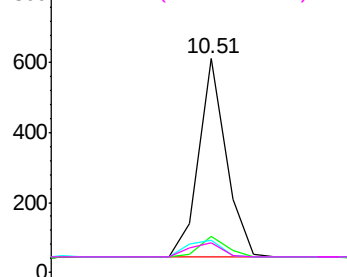


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.42 ng

RT: 8.86 min Scan# 603

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

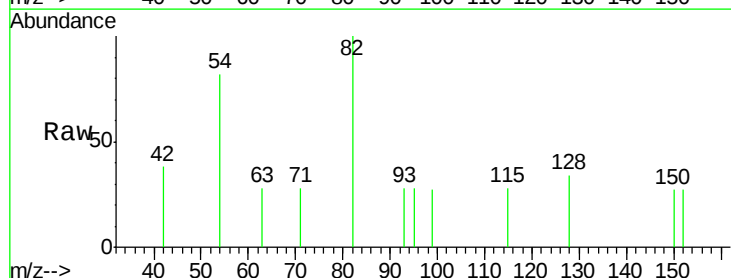
Tgt Ion: 82 Resp: 329

Ion Ratio Lower Upper

82 100

128 34.0 17.0 25.4#

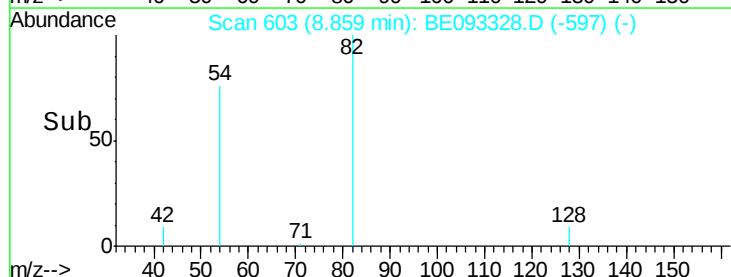
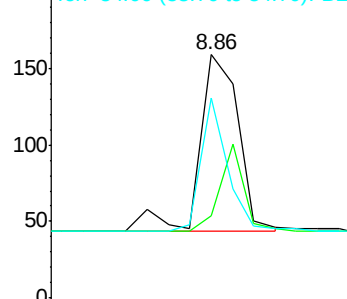
54 82.4 53.8 80.6#

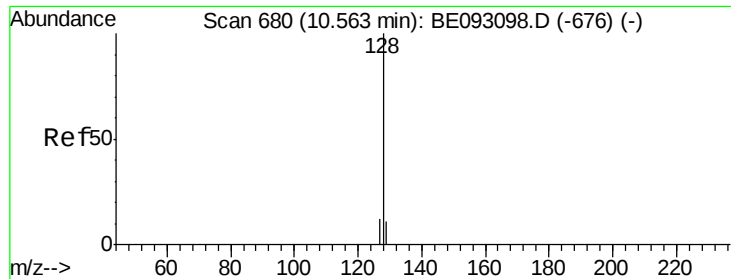


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.33 ng

RT: 10.54 min Scan# 679

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

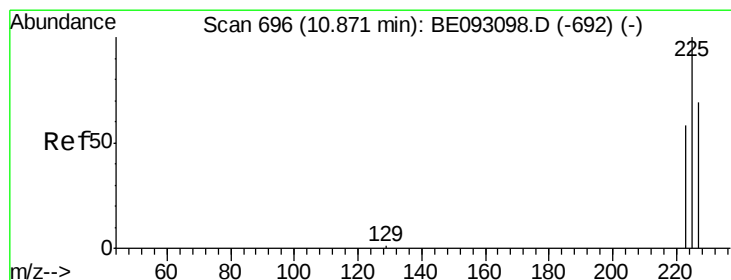
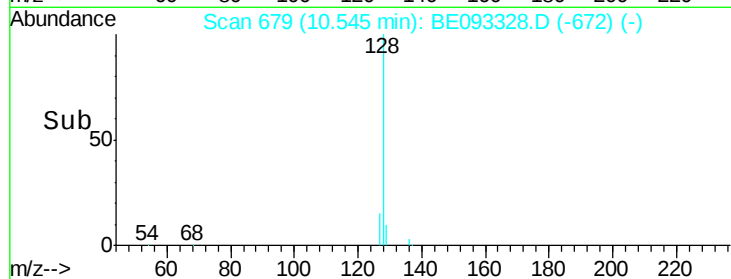
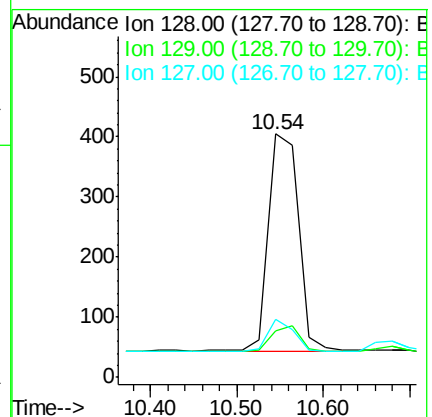
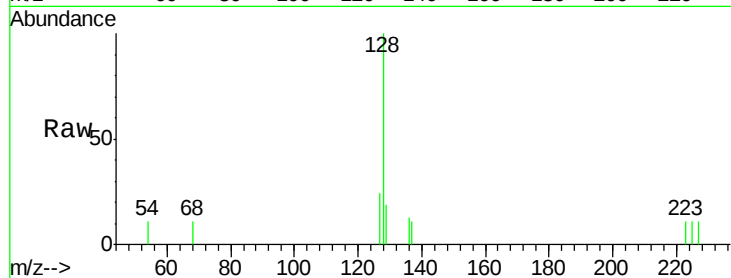
Tgt Ion:128 Resp: 871

Ion Ratio Lower Upper

128 100

129 19.3 11.4 17.0#

127 24.0 11.2 16.8#



#10

Hexachlorobutadiene

Concen: 0.35 ng

RT: 10.85 min Scan# 695

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

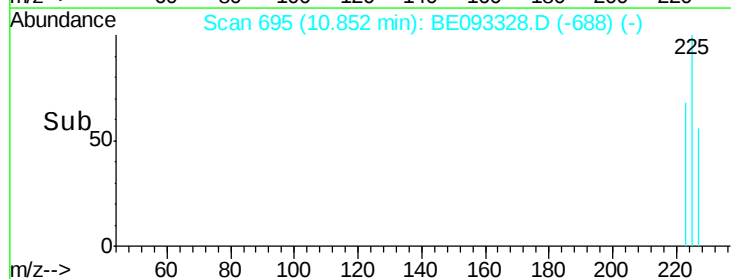
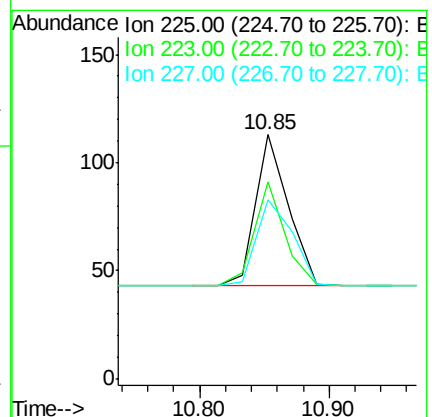
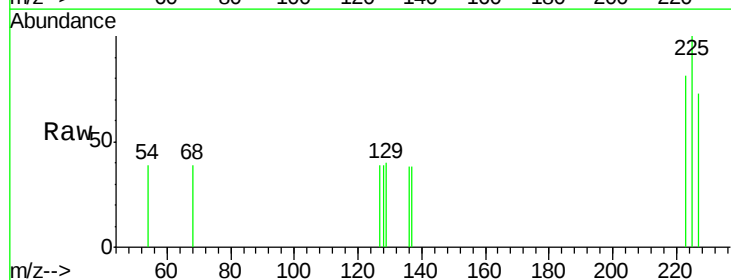
Tgt Ion:225 Resp: 123

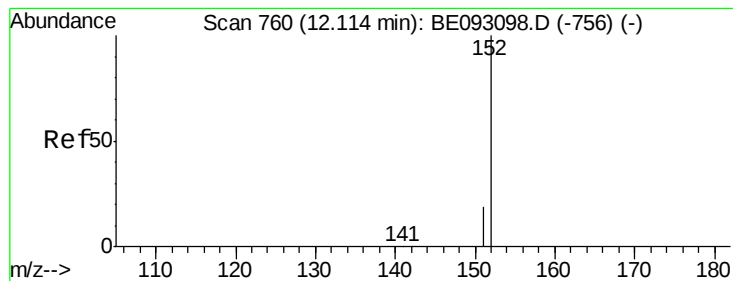
Ion Ratio Lower Upper

225 100

223 65.0 49.7 74.5

227 63.4 50.3 75.5





#11

2-Methylnaphthalene-d10

Concen: 0.38 ng

RT: 12.10 min Scan# 759

Delta R.T. -0.01 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

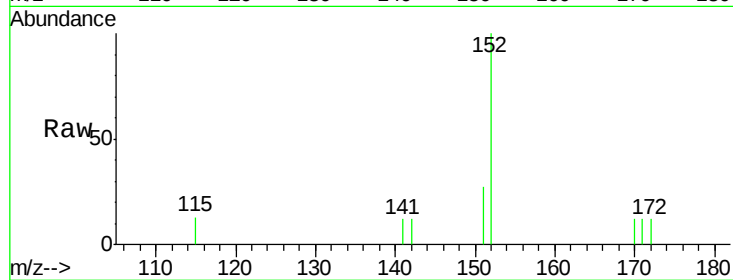
PB99833BSD

Tgt Ion:152 Resp: 557

Ion Ratio Lower Upper

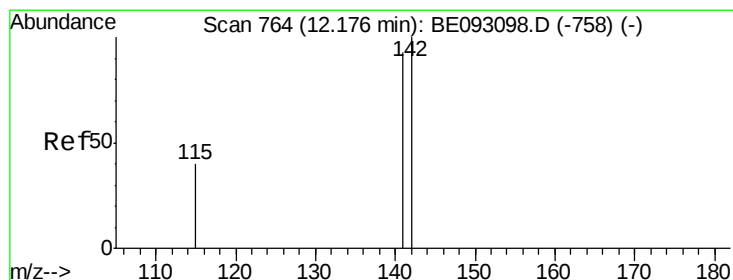
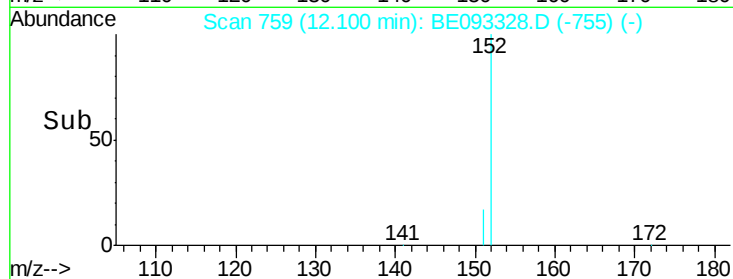
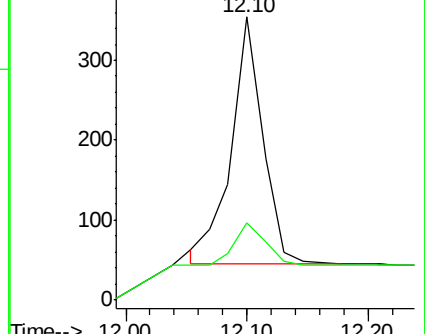
152 100

151 17.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.35 ng

RT: 12.18 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

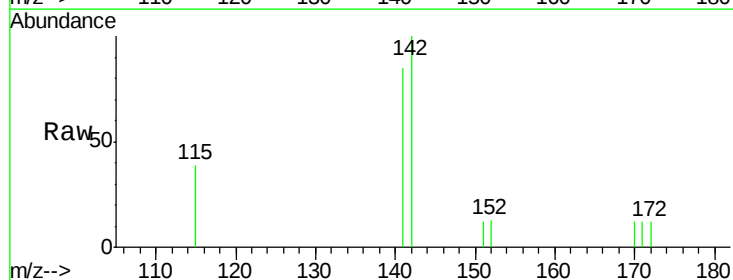
Tgt Ion:142 Resp: 560

Ion Ratio Lower Upper

142 100

141 84.8 72.6 108.8

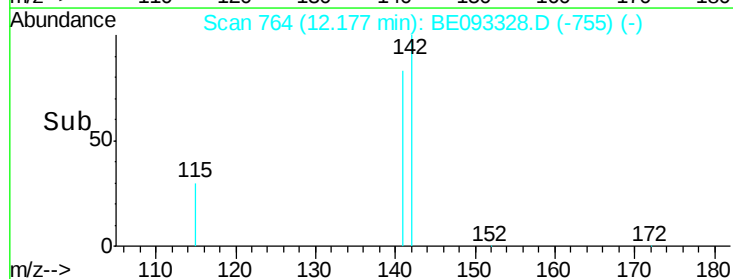
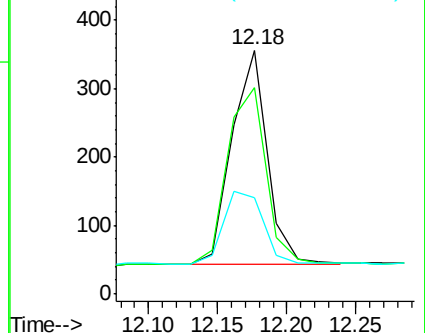
115 39.3 32.2 48.2

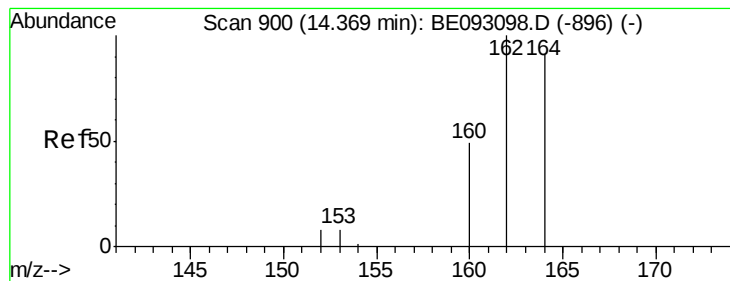


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093328.D

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Instrument :

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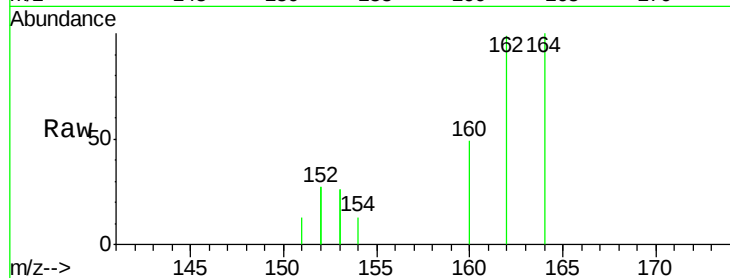
Tgt Ion:164 Resp: 450

Ion Ratio Lower Upper

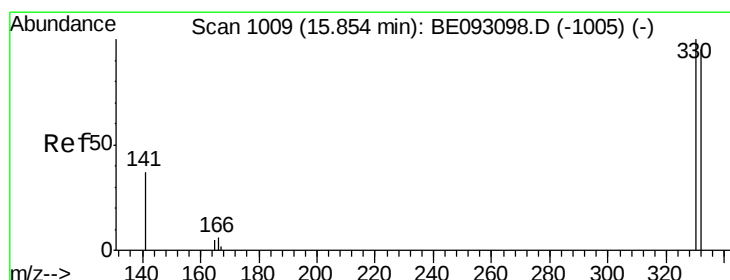
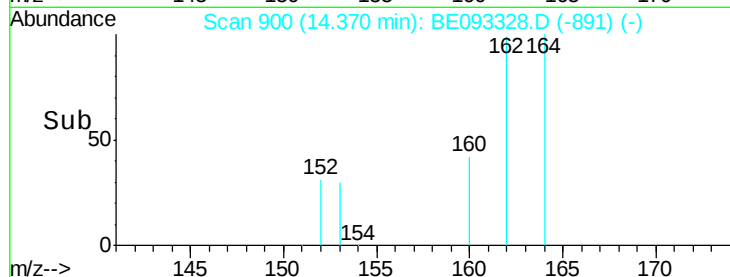
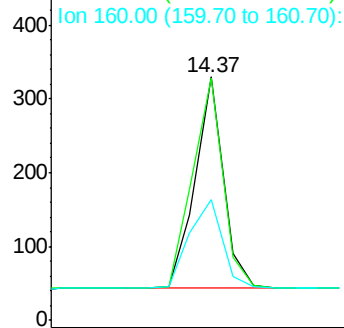
164 100

162 99.4 84.6 127.0

160 49.4 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E



#14

2,4,6-Tribromophenol

Concen: 0.50 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

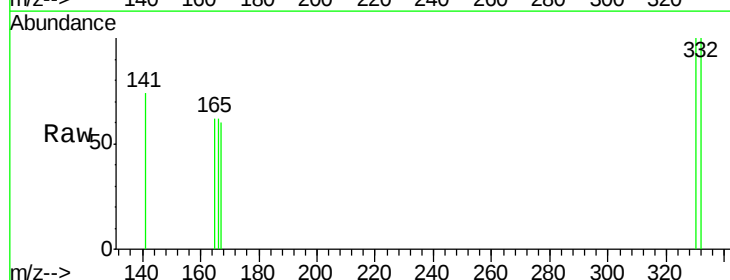
Tgt Ion:330 Resp: 51

Ion Ratio Lower Upper

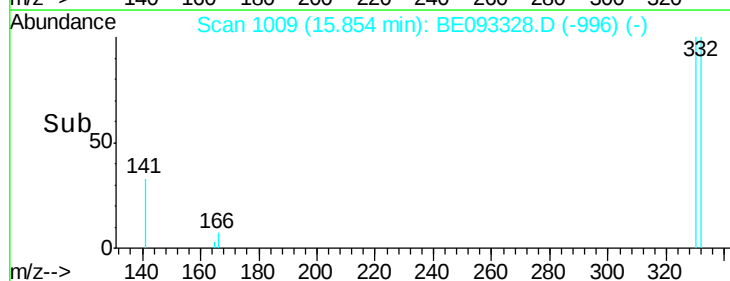
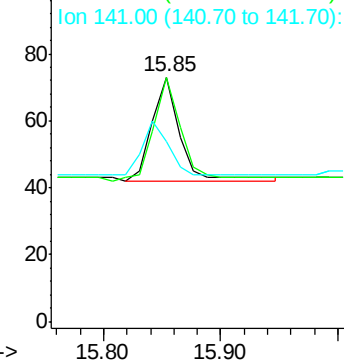
330 100

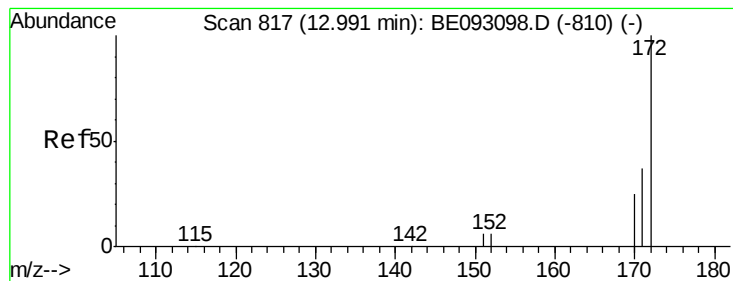
332 103.9 77.7 116.5

141 47.1 56.2 84.4#



Abundance Ion 330.00 (329.70 to 330.70): E

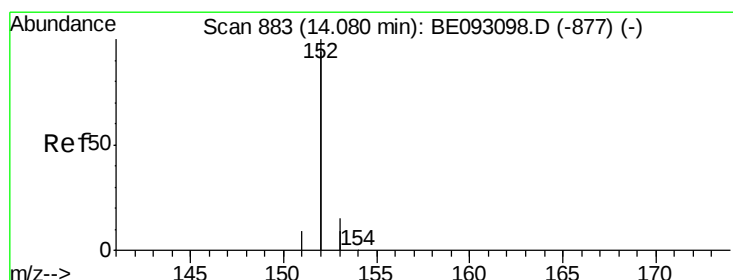
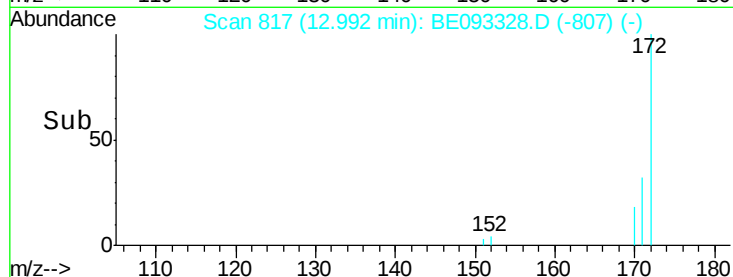
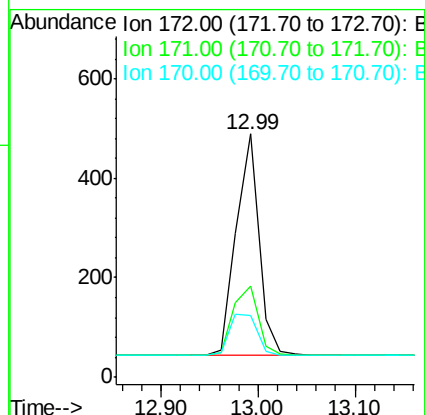
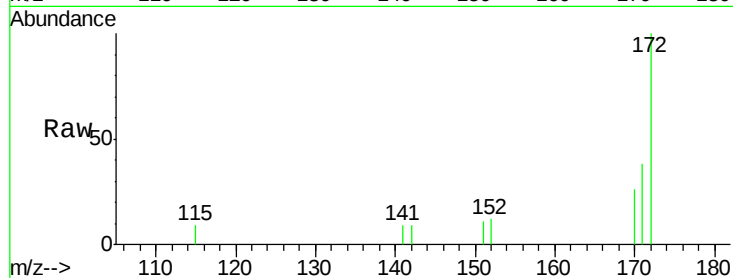




#15
 2-Fluorobiphenyl
 Concen: 0.38 ng
 RT: 12.99 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

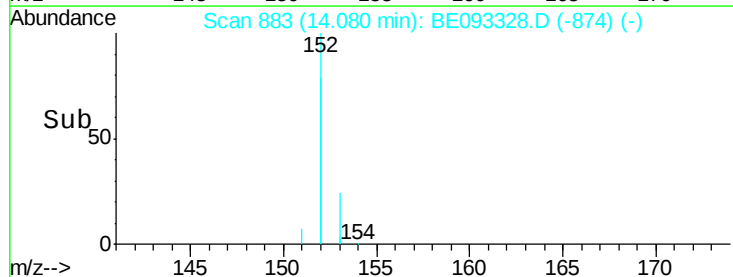
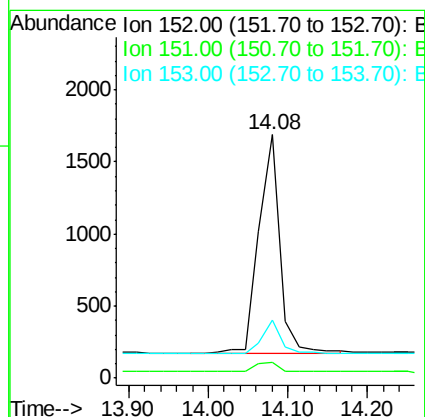
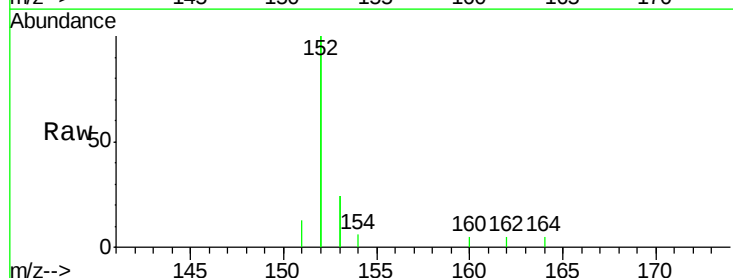
Instrument :
 BNA_E
 ClientSampleId :
 PB99833BSD

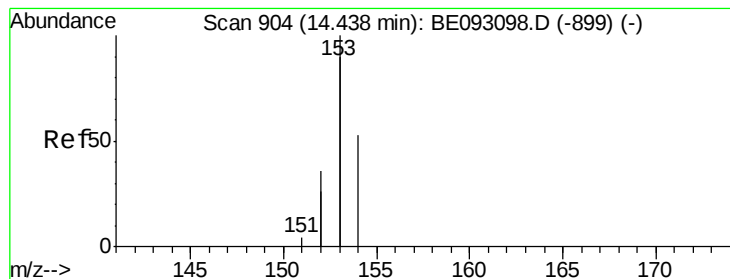
Tgt Ion:172 Resp: 734
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.8 44.6
 170 25.6 20.7 31.1



#16
 Acenaphthylene
 Concen: 0.36 ng
 RT: 14.08 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

Tgt Ion:152 Resp: 2786
 Ion Ratio Lower Upper
 152 100
 151 4.8 4.0 6.0
 153 13.3 10.3 15.5





#17

Acenaphthene

Concen: 0.35 ng

RT: 14.42 min Scan# 903

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

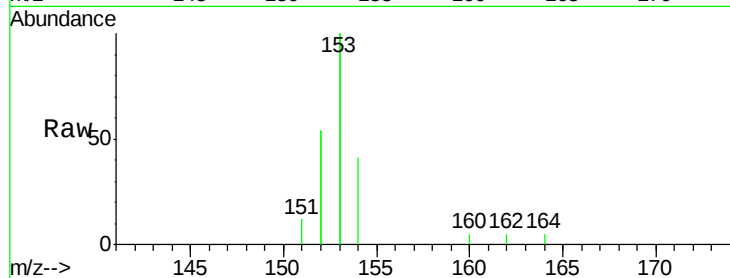
Tgt Ion:154 Resp: 513

Ion Ratio Lower Upper

154 100

153 441.9 367.8 551.6

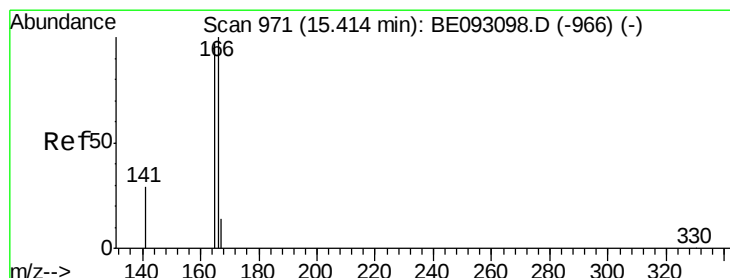
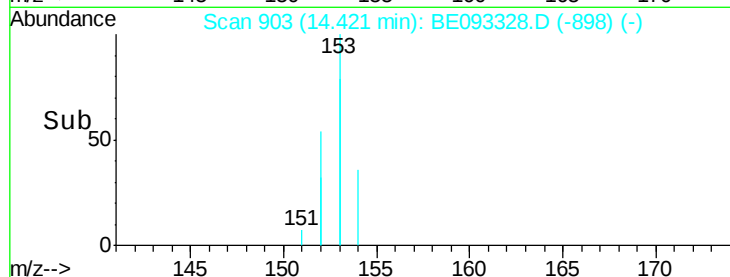
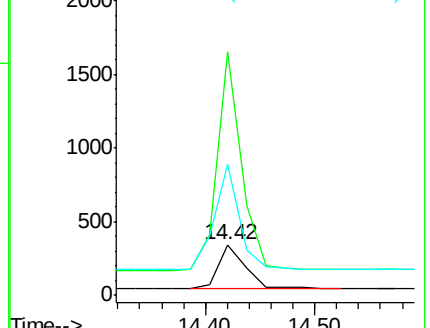
152 218.3 188.2 282.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.33 ng

RT: 15.41 min Scan# 971

Delta R.T. -0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

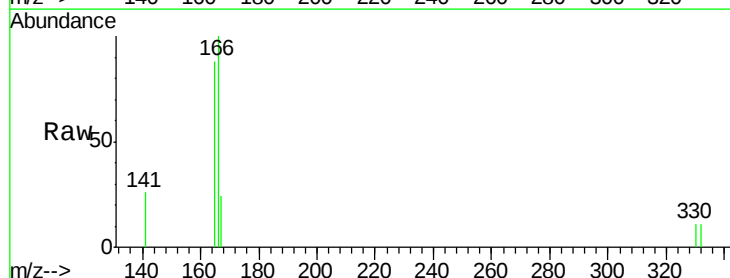
Tgt Ion:166 Resp: 582

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

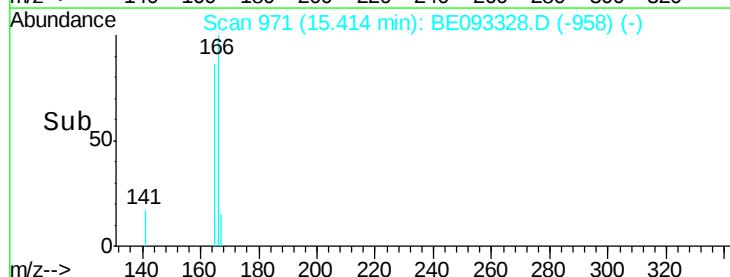
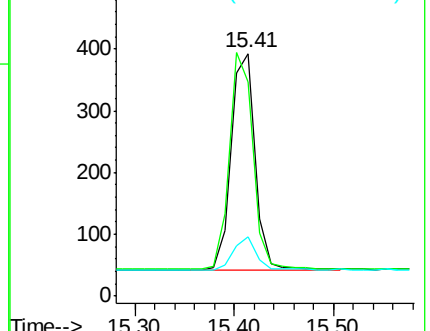
167 14.1 11.1 16.7

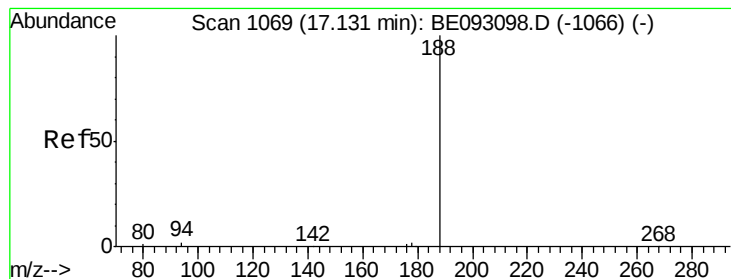


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.10 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

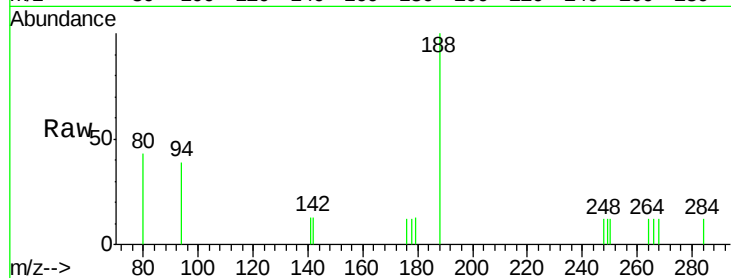
Tgt Ion:188 Resp: 808

Ion Ratio Lower Upper

188 100

94 38.8 11.3 16.9#

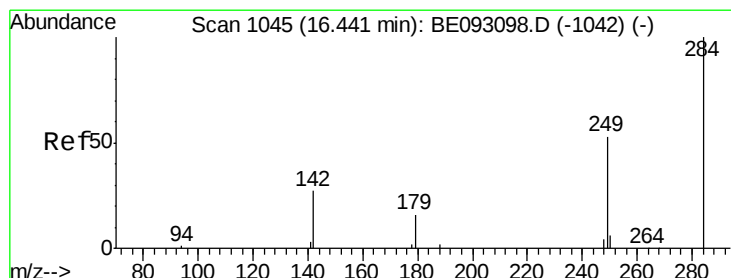
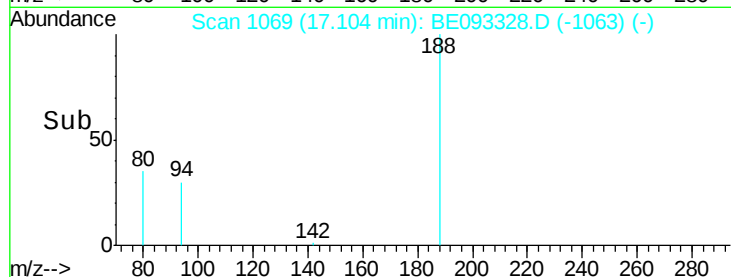
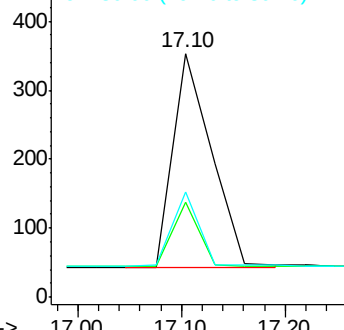
80 43.1 11.7 17.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Hexachlorobenzene

Concen: 0.41 ng

RT: 16.44 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

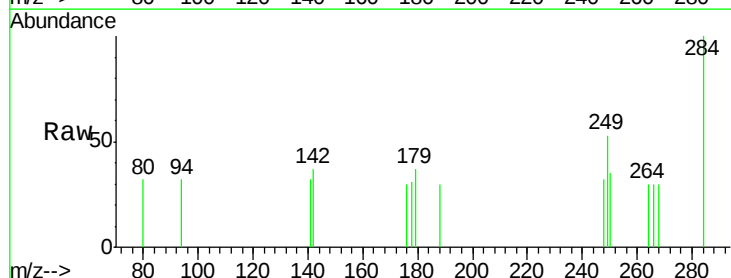
Tgt Ion:284 Resp: 178

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

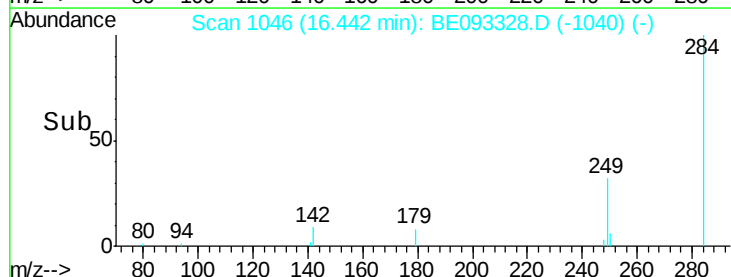
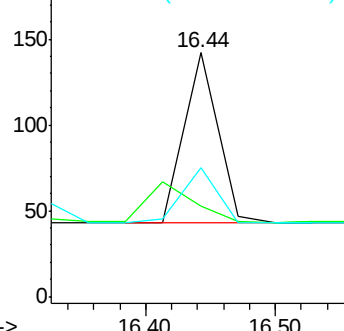
249 33.1 0.0 0.0#

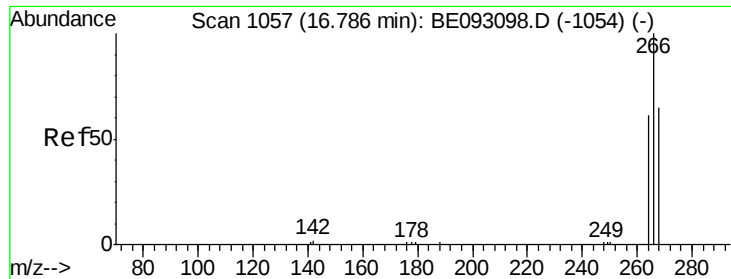


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

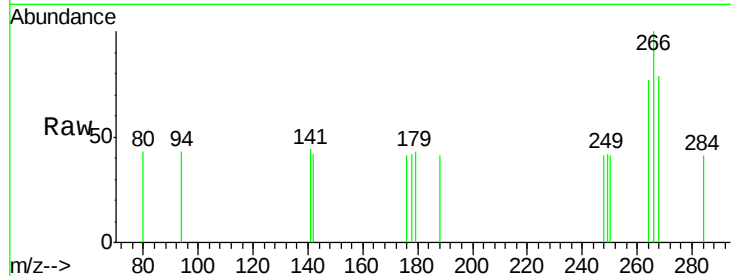




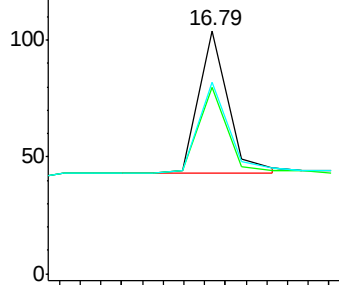
#22
 Pentachlorophenol
 Concen: 0.87 ng
 RT: 16.79 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

Instrument :
 BNA_E
 ClientSampleId :
 PB99833BSD

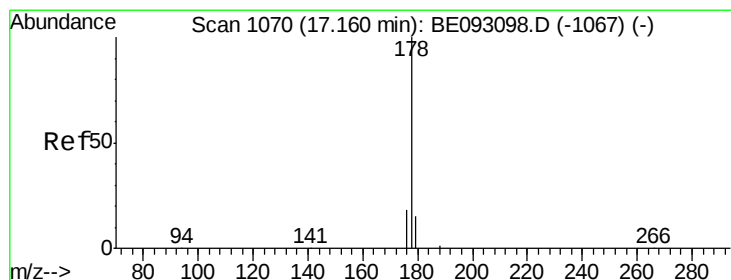
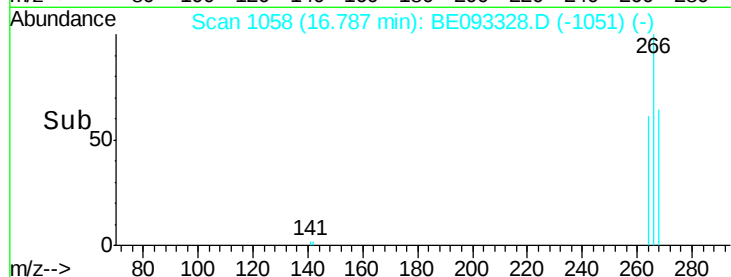
Tgt Ion: 266 Resp: 121
 Ion Ratio Lower Upper
 266 100
 264 76.9 58.2 87.2
 268 78.8 71.9 107.9



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

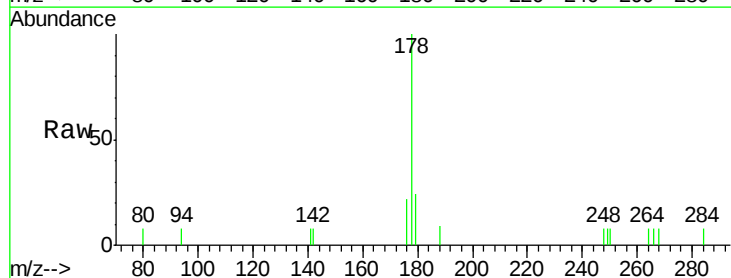


Time-->

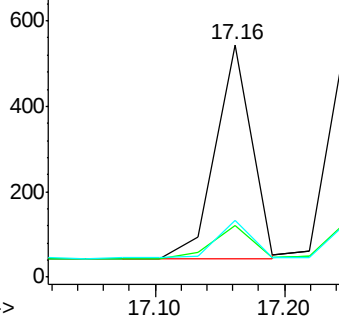


#23
 Phenanthrene
 Concen: 0.26 ng
 RT: 17.16 min Scan# 1071
 Delta R.T. 0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

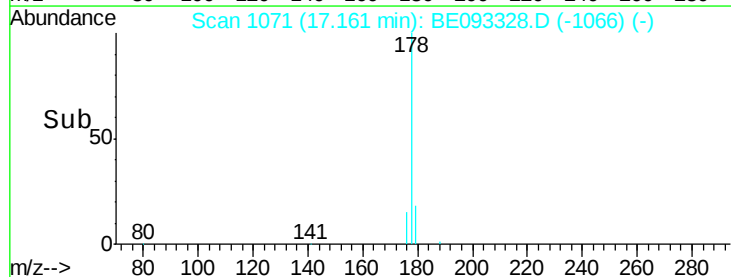
Tgt Ion: 178 Resp: 963
 Ion Ratio Lower Upper
 178 100
 176 16.5 15.0 22.4
 179 17.8 12.7 19.1

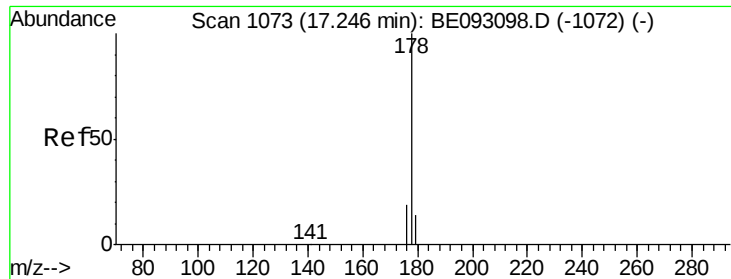


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->

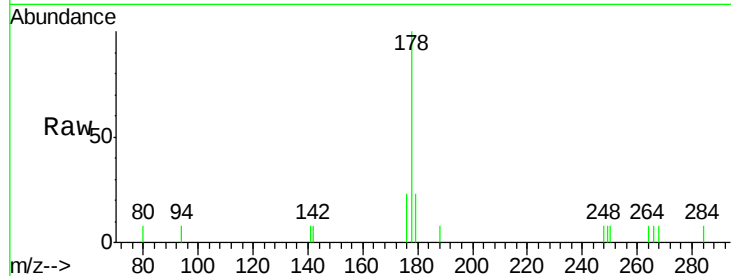




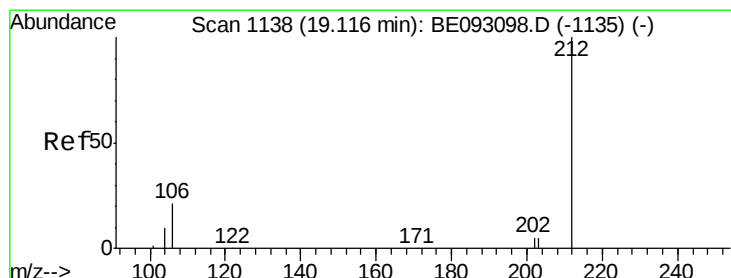
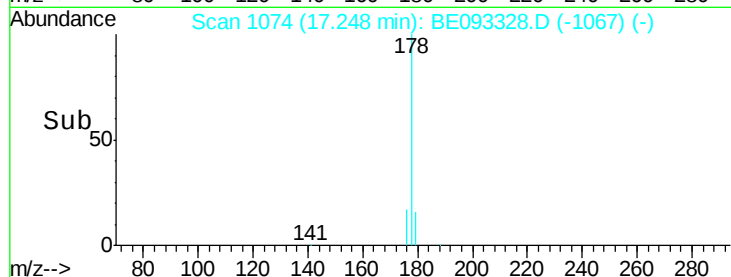
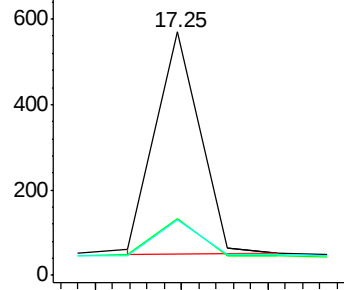
#24
 Anthracene
 Concen: 0.30 ng
 RT: 17.25 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

Instrument :
 BNA_E
 ClientSampleId :
 PB99833BSD

Tgt Ion:178 Resp: 923
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 22.0
 179 15.9 12.0 18.0

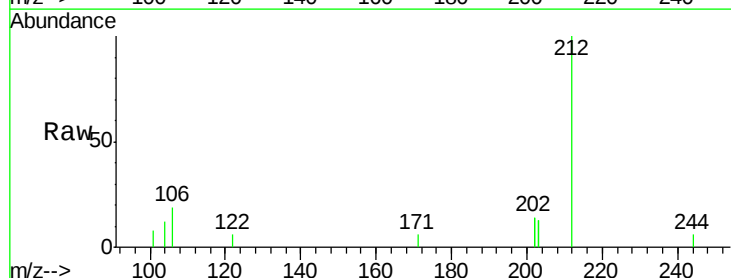


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

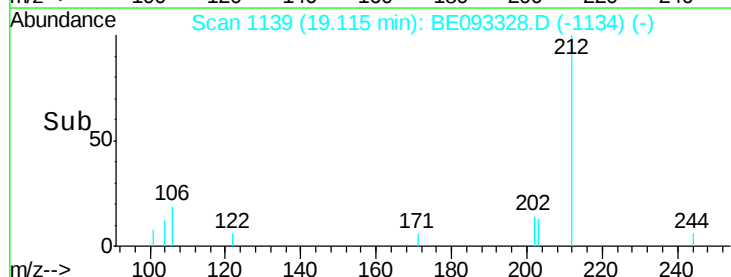
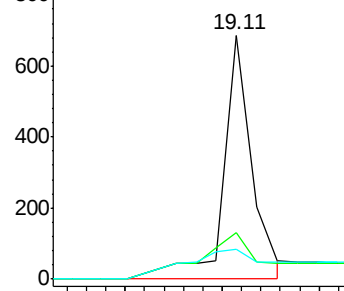


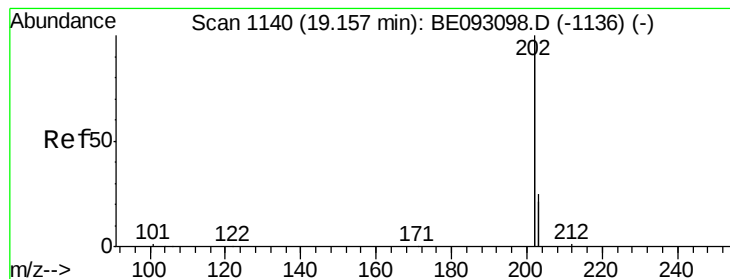
#25
 Fluoranthene-d10
 Concen: 0.62 ng
 RT: 19.11 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

Tgt Ion:212 Resp: 1662
 Ion Ratio Lower Upper
 212 100
 106 36.8 0.0 0.0#
 104 31.8 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: 0.35 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

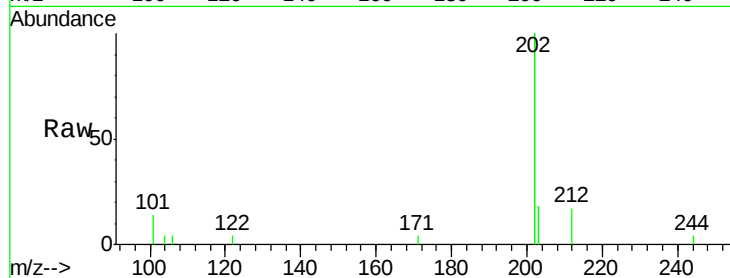
Tgt Ion: 202 Resp: 4663

Ion Ratio Lower Upper

202 100

101 3.9 0.0 0.0#

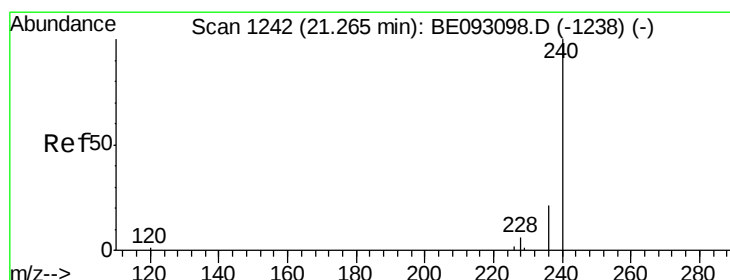
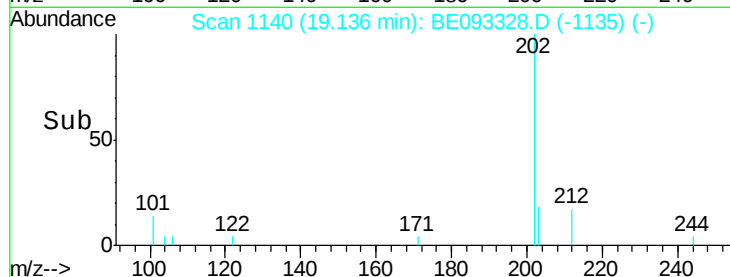
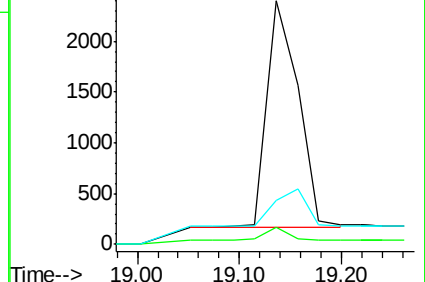
203 0.0 14.4 21.6#



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: 21.25 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

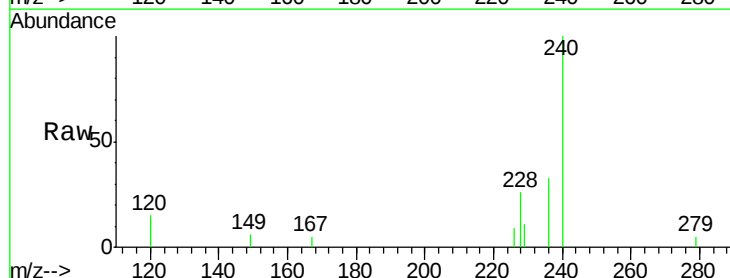
Tgt Ion: 240 Resp: 1341

Ion Ratio Lower Upper

240 100

120 15.2 4.6 7.0#

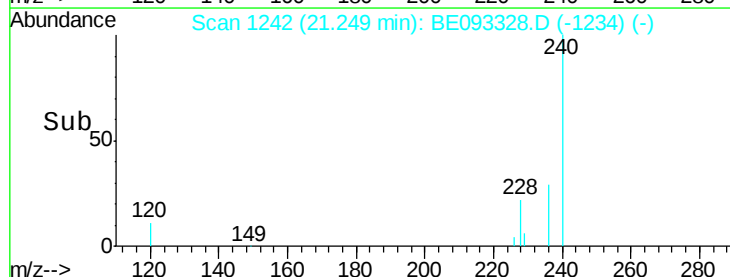
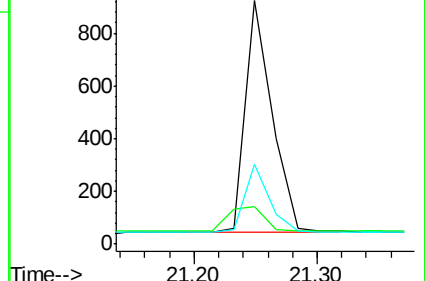
236 32.8 20.8 31.2#

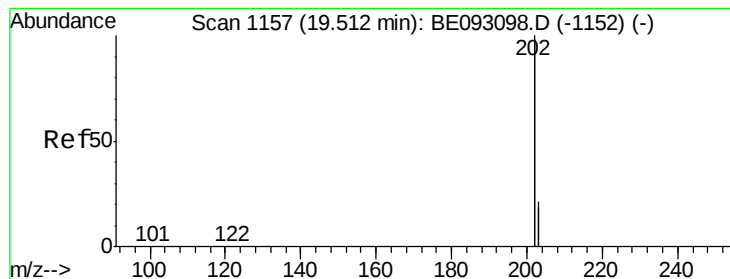


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 0.29 ng

RT: 19.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

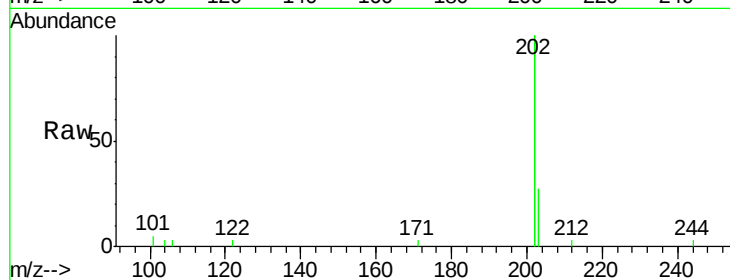
Tgt Ion: 202 Resp: 4795

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

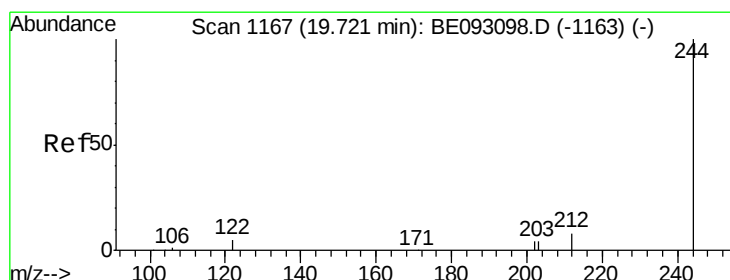
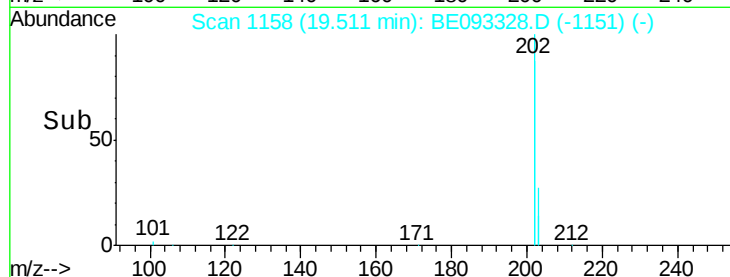
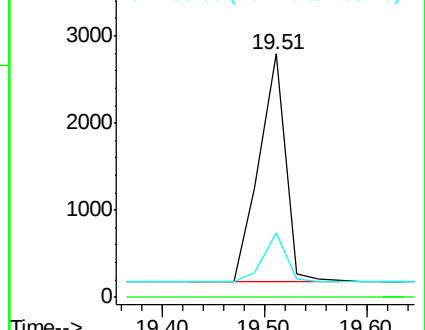
203 18.9 13.7 20.5



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: 0.33 ng

RT: 19.72 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

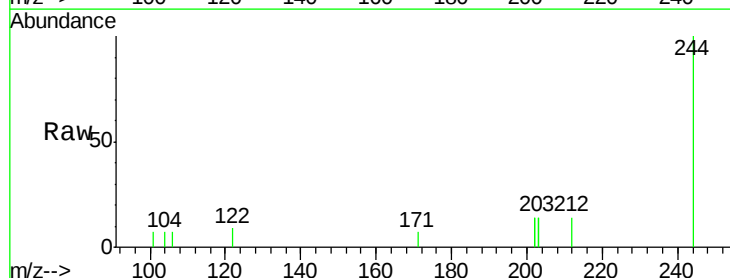
Tgt Ion: 244 Resp: 862

Ion Ratio Lower Upper

244 100

212 13.7 10.6 16.0

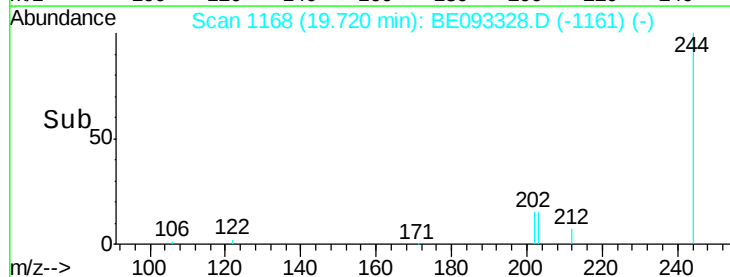
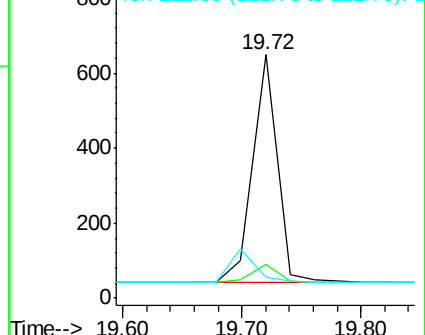
122 8.8 15.4 23.0#

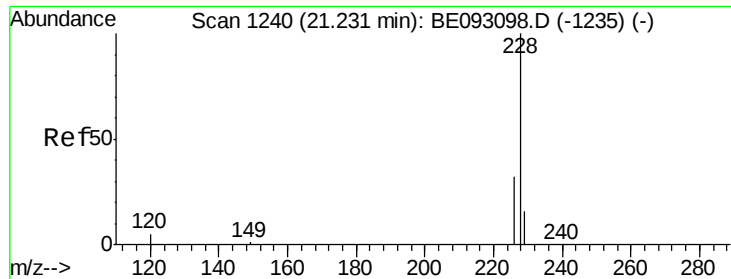


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.38 ng

RT: 21.23 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

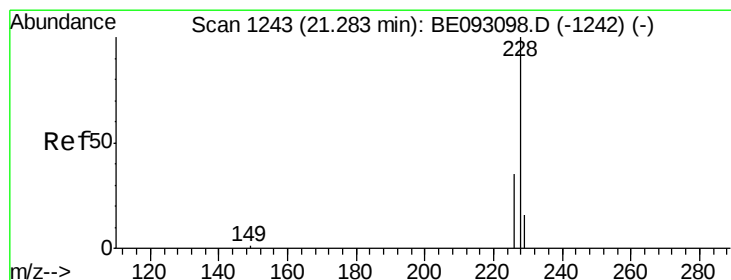
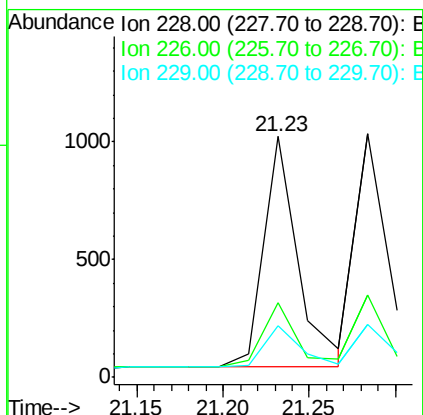
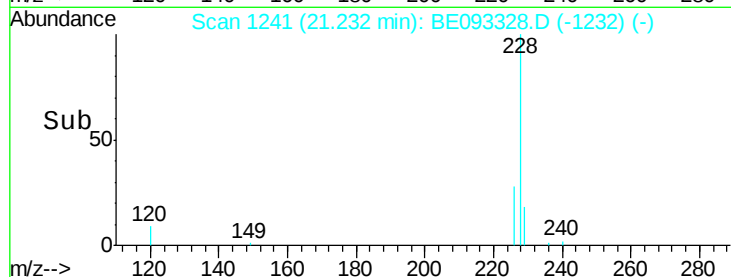
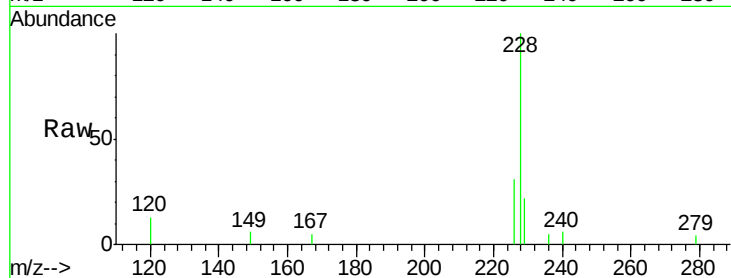
Tgt Ion:228 Resp: 1365

Ion Ratio Lower Upper

228 100

226 31.2 19.7 29.5#

229 21.7 19.2 28.8



#31

Chrysene

Concen: 0.35 ng

RT: 21.23 min Scan# 1241

Delta R.T. -0.05 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

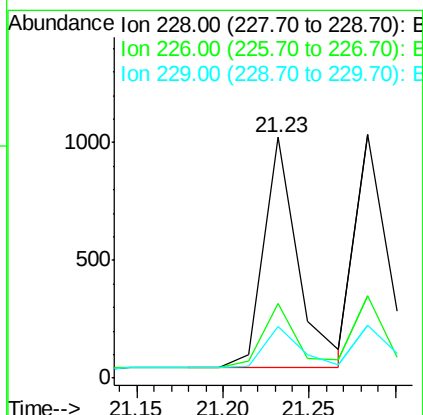
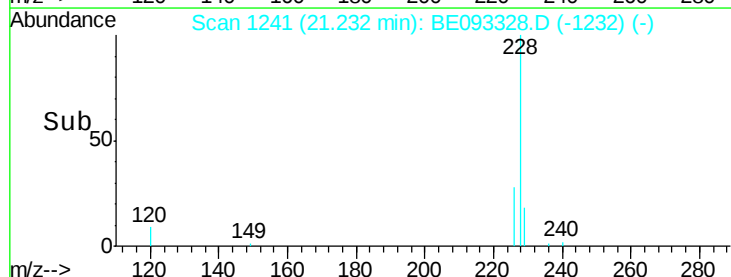
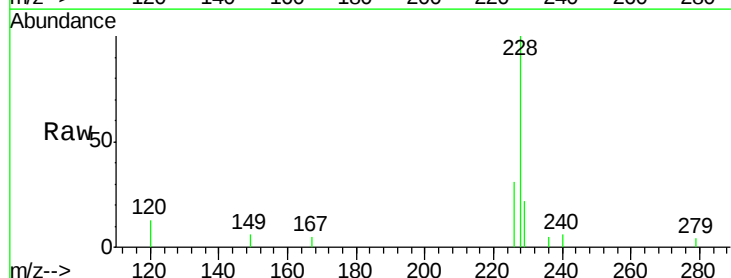
Tgt Ion:228 Resp: 1365

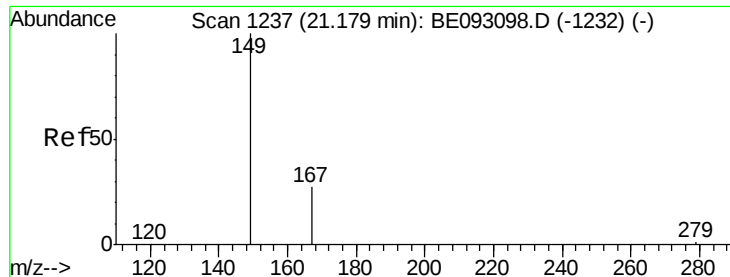
Ion Ratio Lower Upper

228 100

226 31.2 21.5 32.3

229 21.7 18.6 28.0

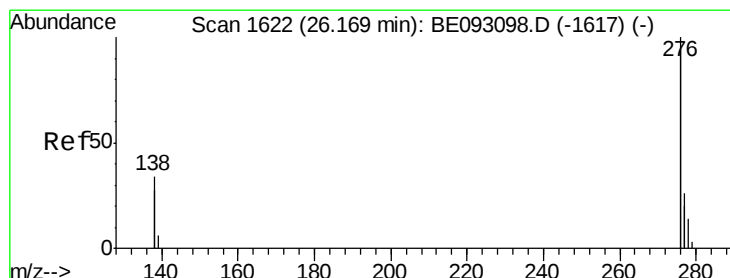
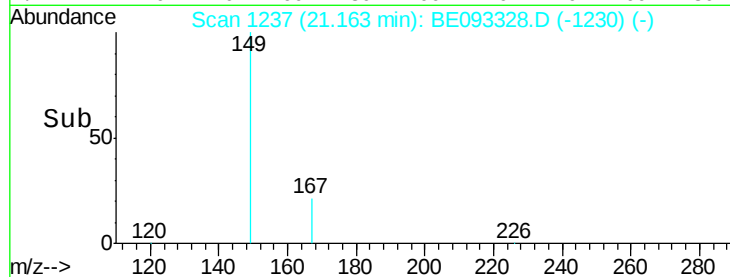
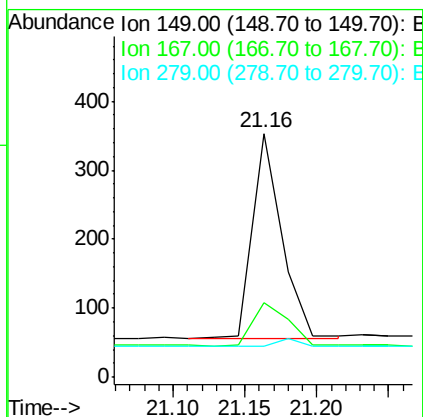
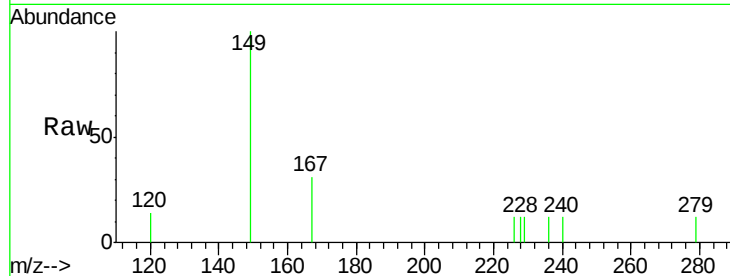




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.16 min Scan# 1237
 Delta R.T. -0.02 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

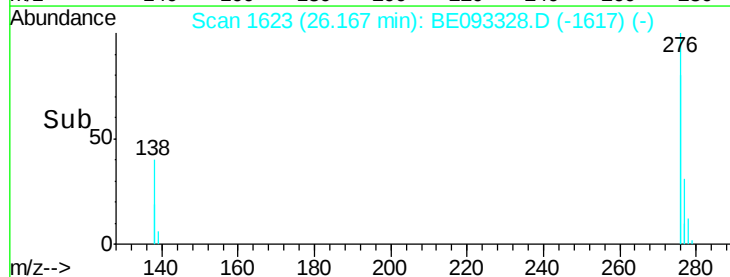
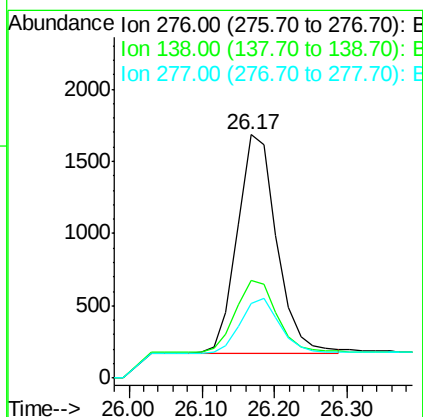
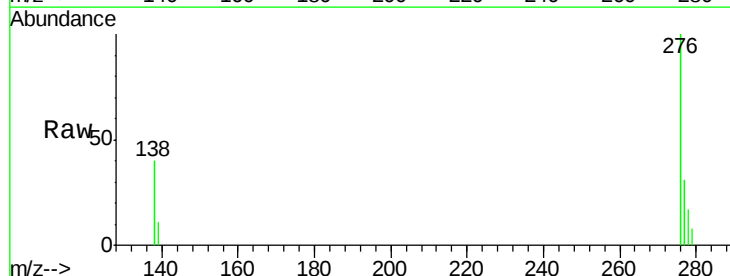
Instrument :
 BNA_E
 ClientSampleId :
 PB99833BSD

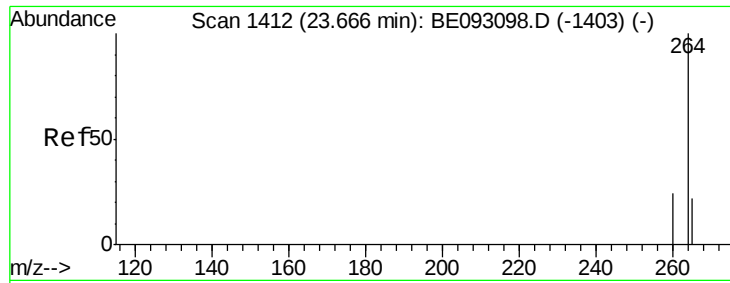
Tgt Ion: 149 Resp: 423
 Ion Ratio Lower Upper
 149 100
 167 25.8 20.1 30.1
 279 0.0 2.2 3.4#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.39 ng
 RT: 26.17 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

Tgt Ion: 276 Resp: 5627
 Ion Ratio Lower Upper
 276 100
 138 34.7 27.4 41.2
 277 25.0 20.1 30.1

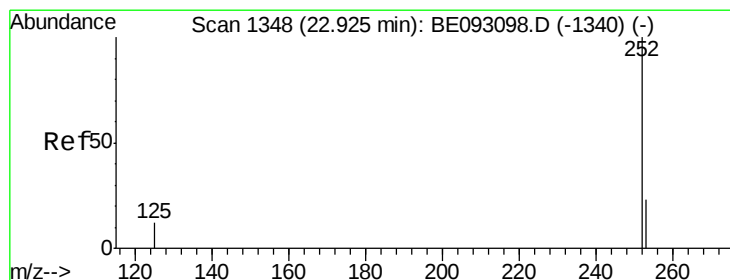
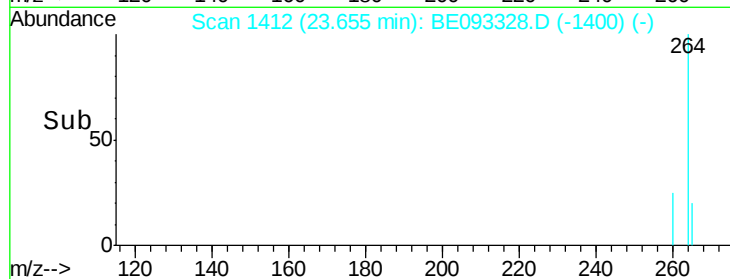
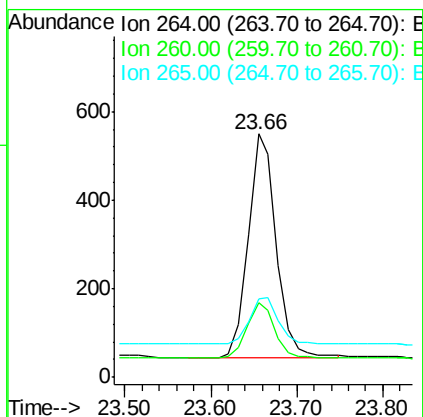
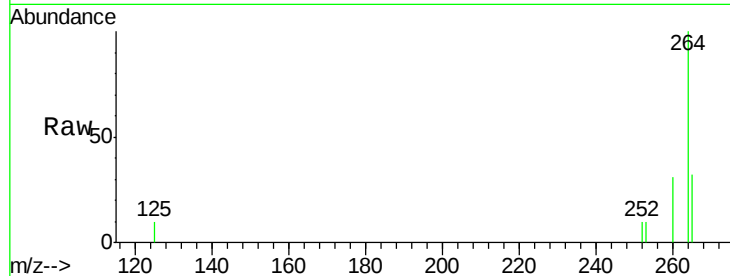




#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.66 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

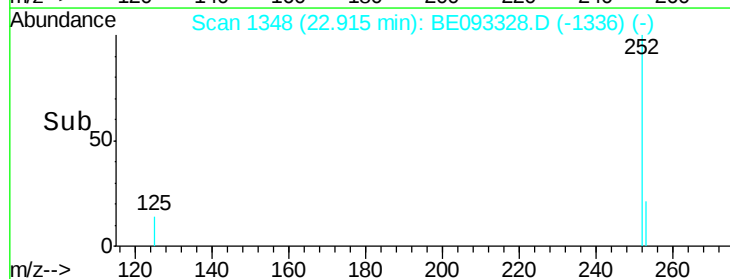
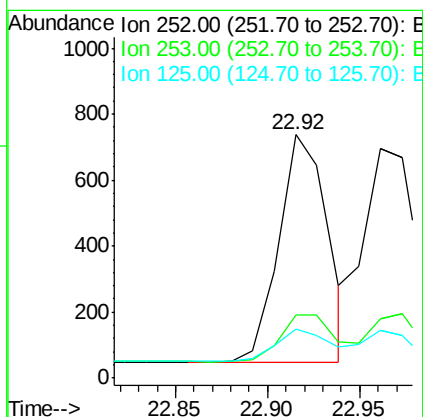
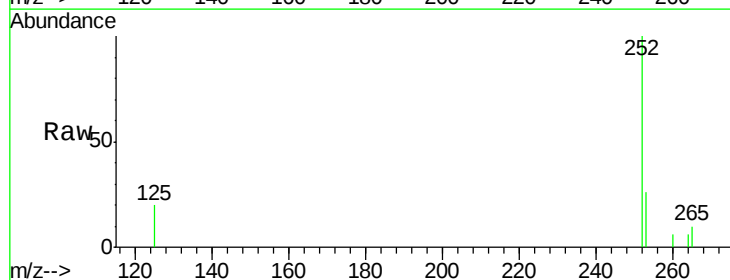
Instrument :
 BNA_E
 ClientSampleId :
 PB99833BSD

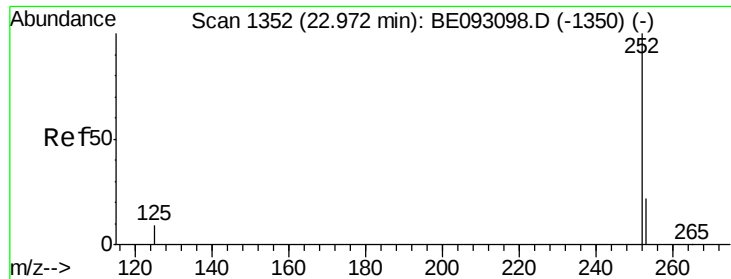
Tgt Ion: 264 Resp: 1144
 Ion Ratio Lower Upper
 264 100
 260 30.7 21.0 31.4
 265 32.2 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.35 ng
 RT: 22.92 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BE093328.D
 Acq: 22 Jun 2017 14:56

Tgt Ion: 252 Resp: 1279
 Ion Ratio Lower Upper
 252 100
 253 26.0 18.5 27.7
 125 20.1 13.4 20.0#





#36

Benzo(k)fluoranthene

Concen: 0.37 ng

RT: 22.96 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

Instrument :

BNA_E

ClientSampleId :

PB99833BSD

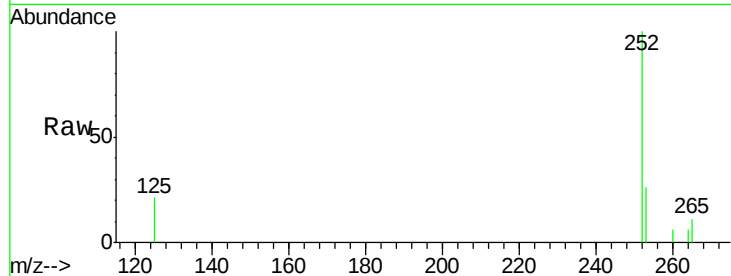
Tgt Ion: 252 Resp: 1319

Ion Ratio Lower Upper

252 100

253 26.0 20.3 30.5

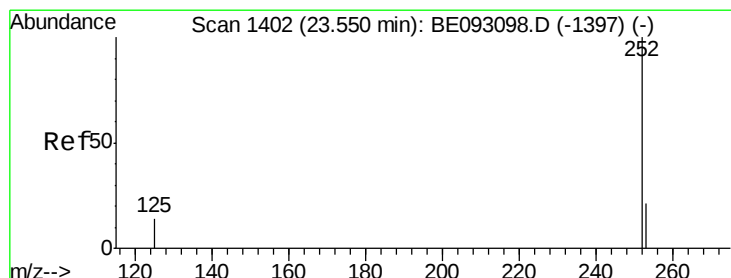
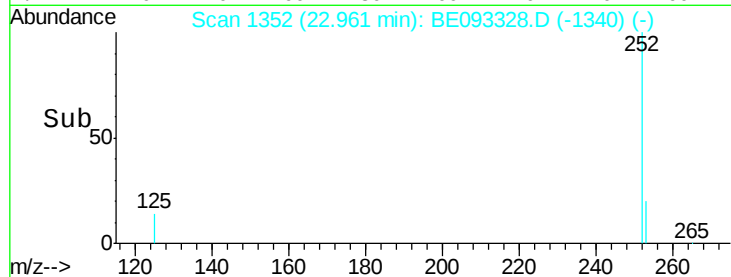
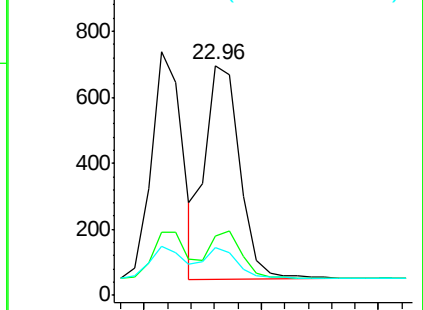
125 20.8 12.2 18.4#



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



#37

Benzo(a)pyrene

Concen: 0.36 ng

RT: 23.55 min Scan# 1403

Delta R.T. 0.00 min

Lab File: BE093328.D

Acq: 22 Jun 2017 14:56

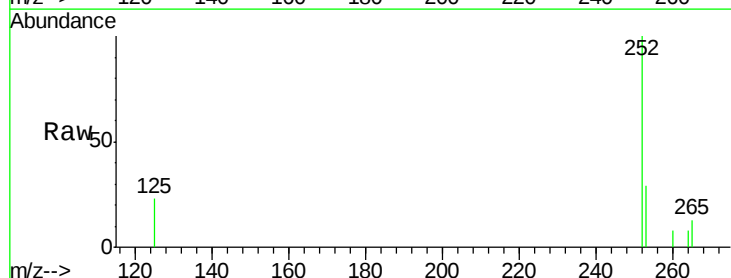
Tgt Ion: 252 Resp: 1134

Ion Ratio Lower Upper

252 100

253 28.9 19.9 29.9

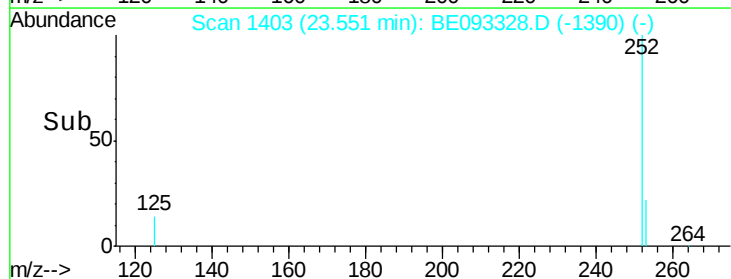
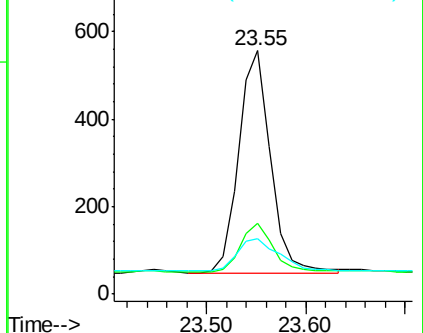
125 22.6 14.6 21.8#

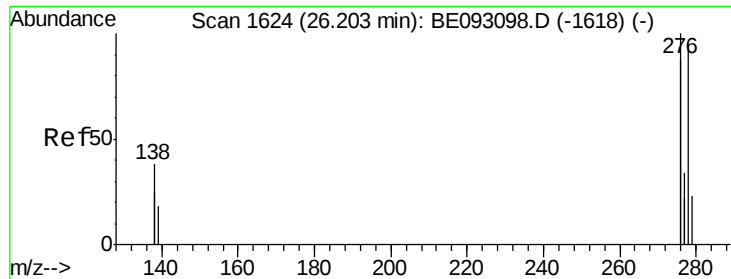


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



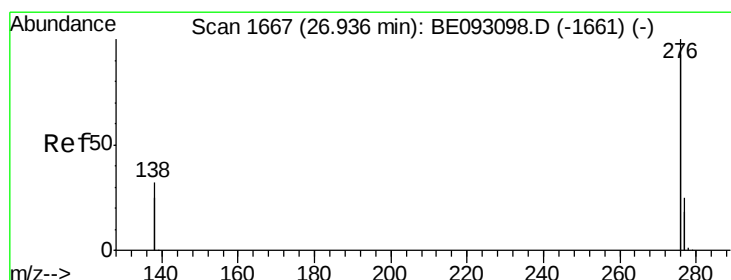
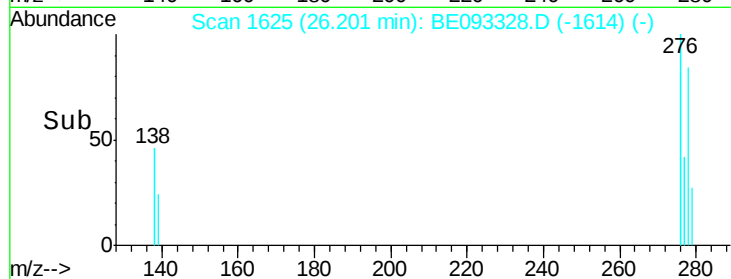
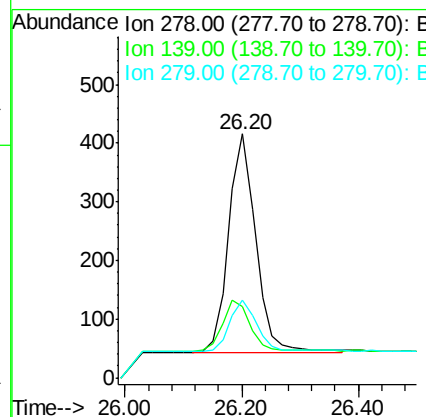
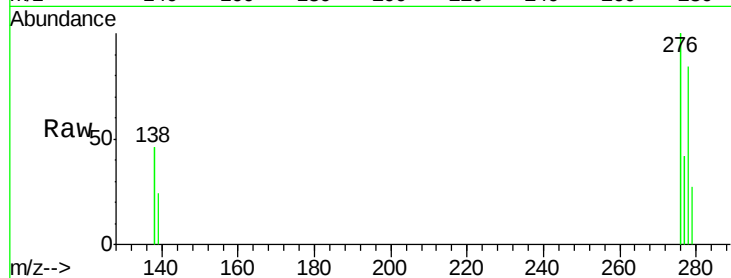


#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.20 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE093328.D
Acq: 22 Jun 2017 14:56

Instrument :
BNA_E
ClientSampleId :
PB99833BSD

Tgt Ion: 278 Resp: 1208

Ion	Ratio	Lower	Upper
278	100		
139	29.1	21.4	32.0
279	32.0	22.2	33.2



#39
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 26.95 min Scan# 1669
Delta R.T. 0.02 min
Lab File: BE093328.D
Acq: 22 Jun 2017 14:56

Tgt Ion: 276 Resp: 4723

Ion	Ratio	Lower	Upper
276	100		
277	32.5	21.2	31.8#
138	35.0	24.5	36.7

