

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093033.D
 Acq On : 15 May 2017 14:23
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 16 01:10:38 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 13:35:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	912	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	3967	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1952	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5096	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5347	0.40	ng	0.00
34) Perylene-d12	23.69	264	4366	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	984	0.35	ng	0.00
5) Phenol-d6	6.92	99	1350	0.36	ng	0.00
8) Nitrobenzene-d5	8.88	82	1191	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2070	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	186	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2842	0.35	ng	0.00
25) Fluoranthene-d10	19.14	212	4505	0.34	ng	0.00
29) Terphenyl-d14	19.74	244	3563	0.36	ng	0.00

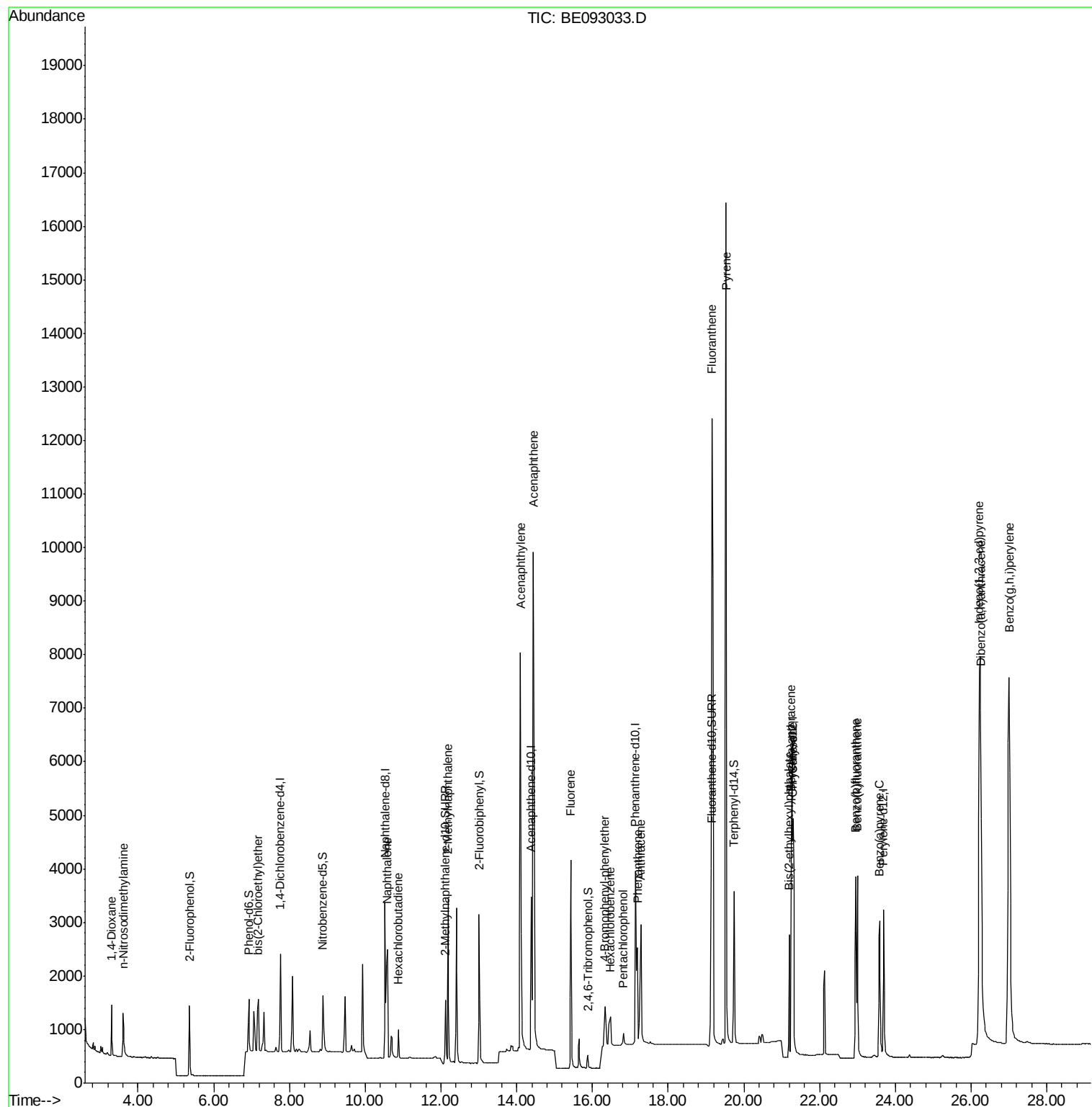
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.31	88	633	0.35	ng	98
3) n-Nitrosodimethylamine	3.61	42	592	0.36	ng	100
6) bis(2-Chloroethyl)ether	7.18	93	1115	0.36	ng	# 99
9) Naphthalene	10.58	128	3707	0.35	ng	99
10) Hexachlorobutadiene	10.87	225	490	0.36	ng	98
12) 2-Methylnaphthalene	12.19	142	2288	0.35	ng	99
16) Acenaphthylene	14.10	152	11412	0.33	ng	100
17) Acenaphthene	14.44	154	2171	0.35	ng	98
18) Fluorene	15.43	166	2617	0.35	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	530	0.33	ng	# 1
21) Hexachlorobenzene	16.47	284	785	0.33	ng	# 100
22) Pentachlorophenol	16.82	266	268	0.44	ng	93
23) Phenanthrene	17.19	178	3627	0.33	ng	# 77
24) Anthracene	17.28	178	3529	0.32	ng	97
26) Fluoranthene	19.16	202	20958	0.33	ng	# 59
28) Pyrene	19.53	202	23067	0.36	ng	# 97
30) Benzo(a)anthracene	21.25	228	5192	0.36	ng	# 84
31) Chrysene	21.30	228	5479	0.35	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.20	149	2226	0.33	ng	95
33) Indeno(1,2,3-cd)pyrene	26.22	276	19550	0.34	ng	99
35) Benzo(b)fluoranthene	22.95	252	4729	0.34	ng	98
36) Benzo(k)fluoranthene	22.99	252	4805	0.35	ng	96
37) Benzo(a)pyrene	23.58	252	4448	0.35	ng	99
38) Dibenzo(a,h)anthracene	26.25	278	4127	0.35	ng	98
39) Benzo(g,h,i)perylene	27.00	276	17722	0.35	ng	99

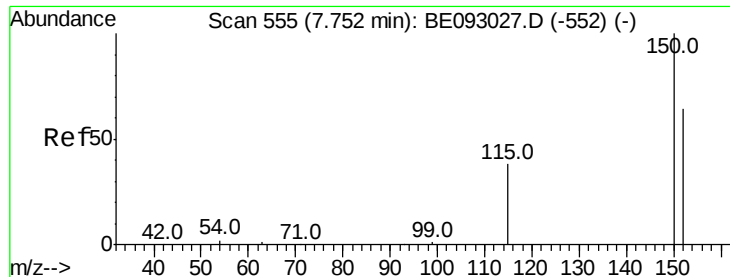
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

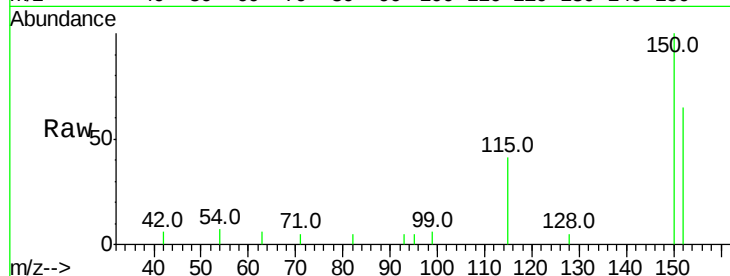
Tot Ion:152 Resp: 912

Ion Ratio Lower Upper

152 100

150 153.0 125.1 187.7

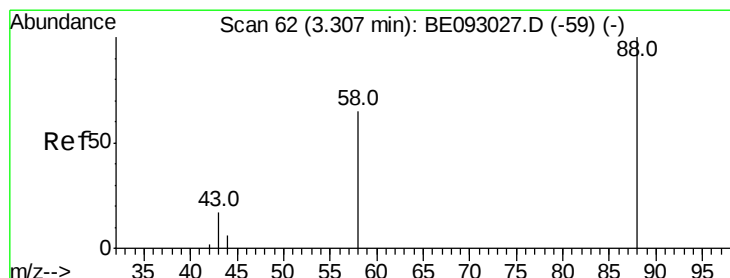
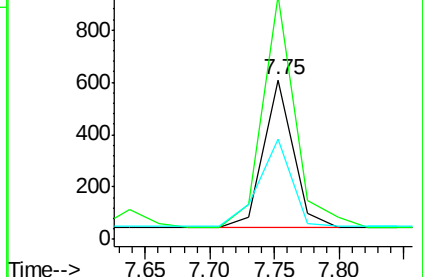
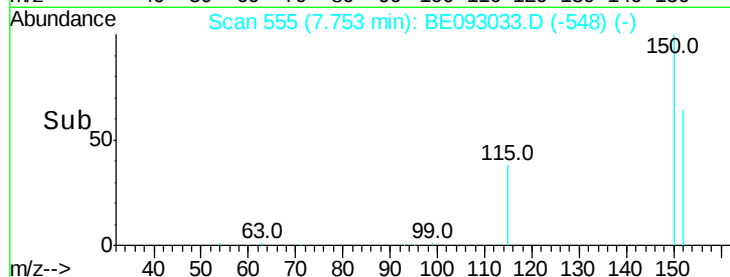
115 63.3 55.7 83.5



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



#2

1,4-Dioxane

Concen: 0.35 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

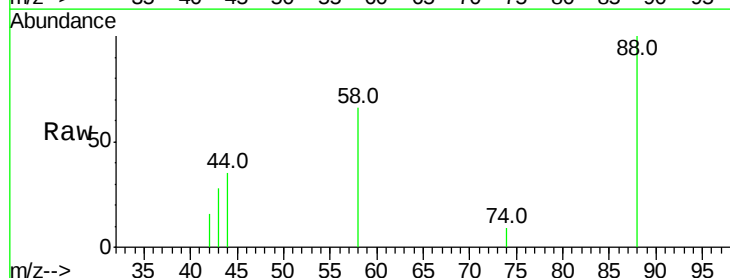
Tgt Ion: 88 Resp: 633

Ion Ratio Lower Upper

88 100

58 77.1 62.2 93.4

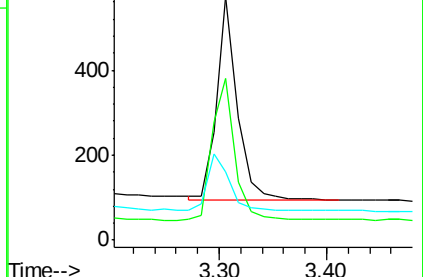
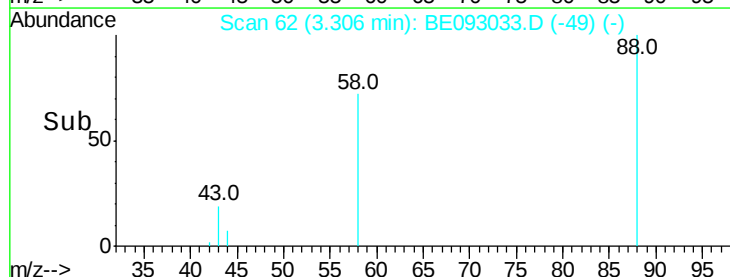
43 31.0 23.2 34.8

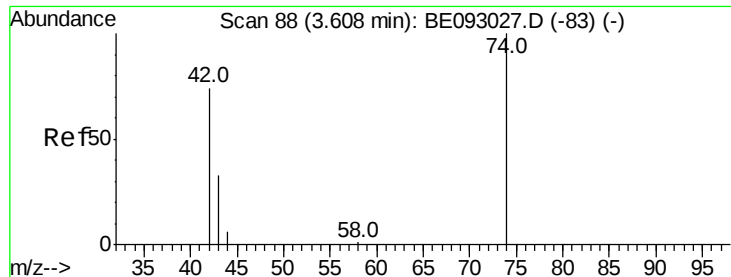


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.36 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

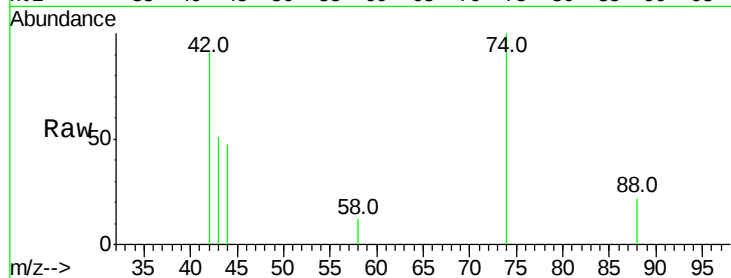
Tot Ion: 42 Resp: 592

Ion Ratio Lower Upper

42 100

74 124.2 99.1 148.7

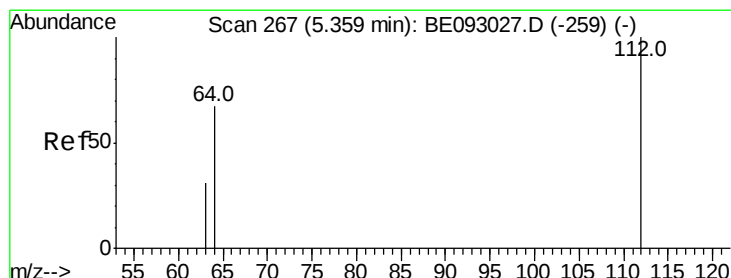
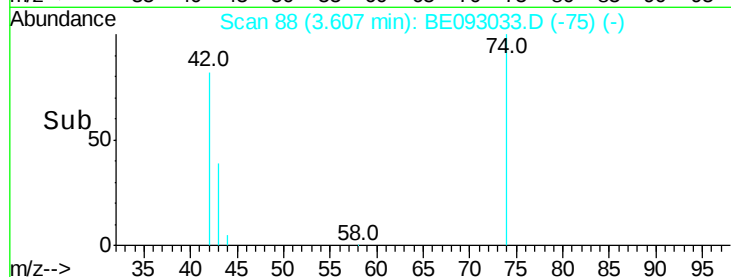
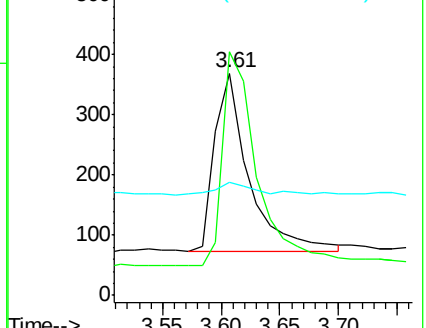
44 7.9 7.4 11.2



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: 0.35 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

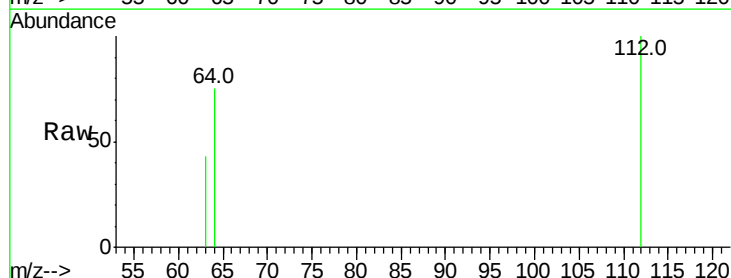
Tgt Ion: 112 Resp: 984

Ion Ratio Lower Upper

112 100

64 71.3 56.4 84.6

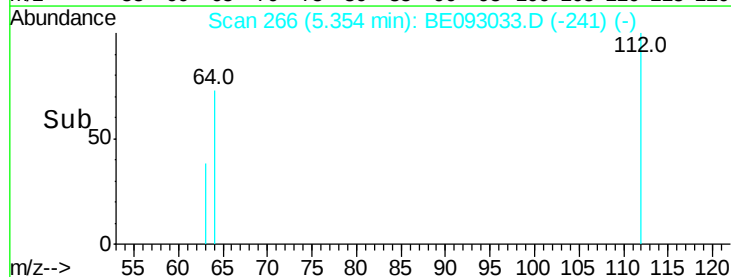
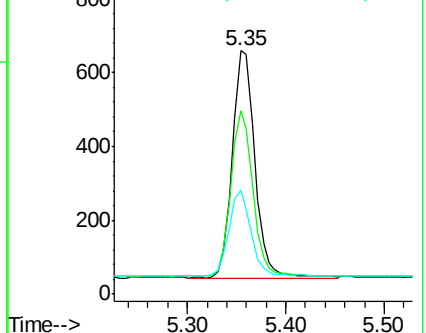
63 36.9 29.3 43.9

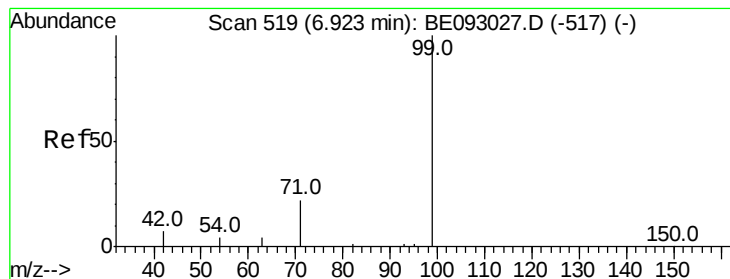


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.36 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

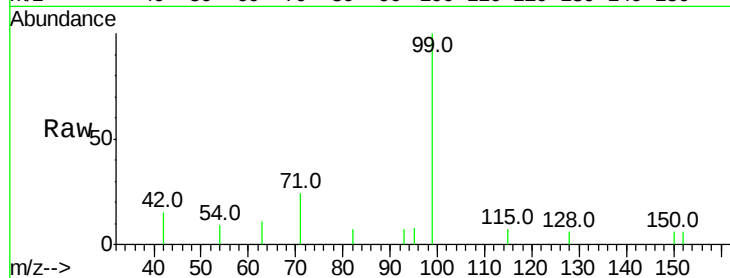
Tot Ion: 99 Resp: 1350

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

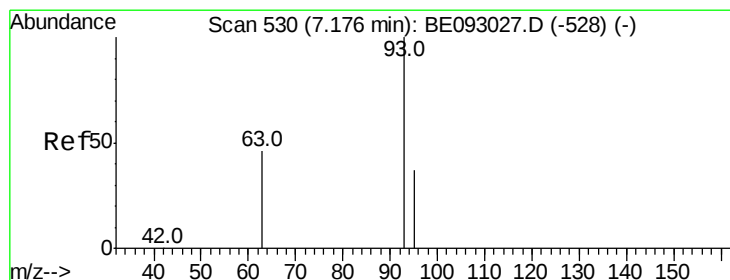
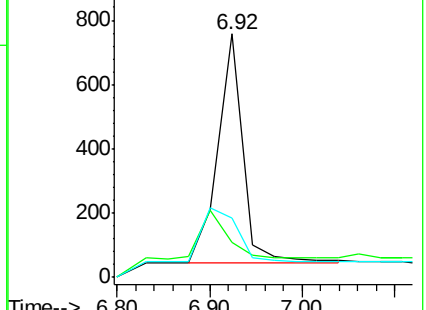
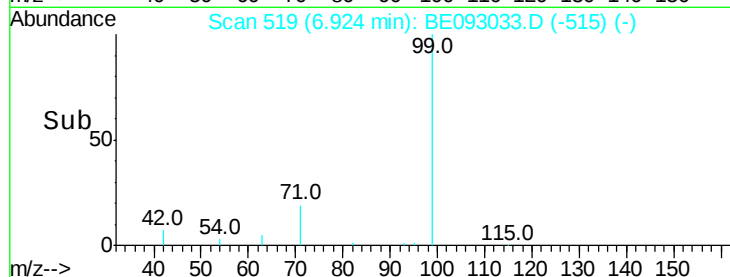
71 0.0 0.0 0.0



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.36 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

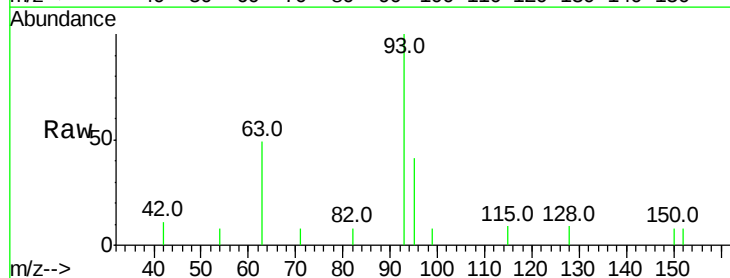
Tgt Ion: 93 Resp: 1115

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

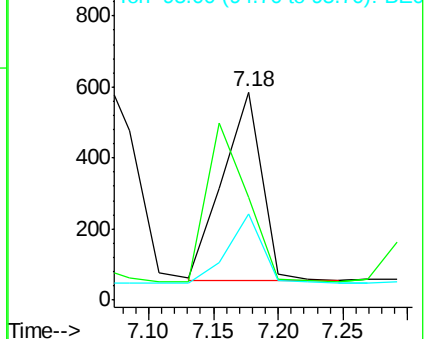
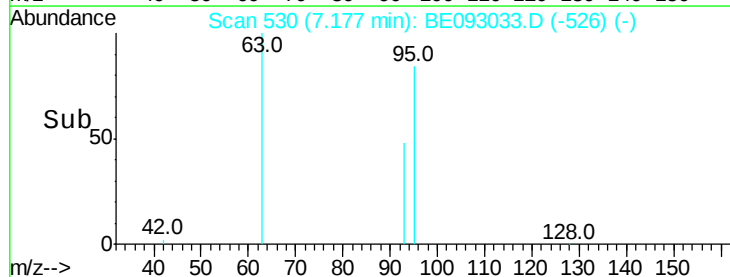
95 32.1 25.4 38.0

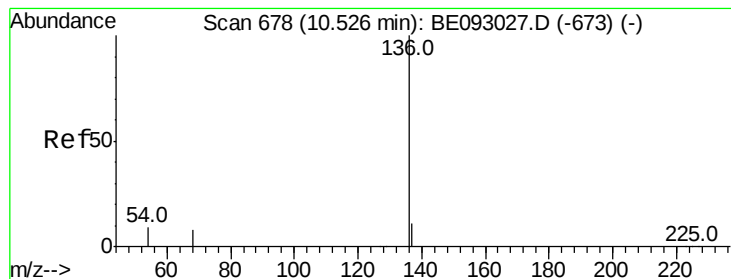


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3967

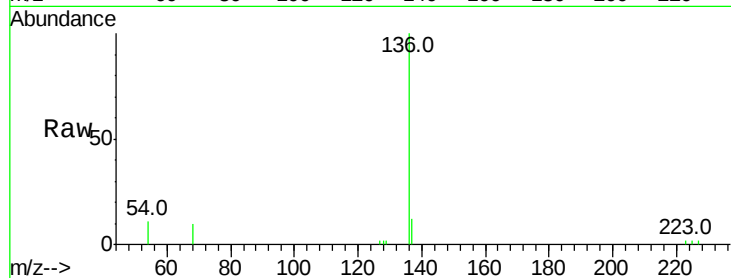
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 11.1 10.3 15.5

68 10.1 9.0 13.4

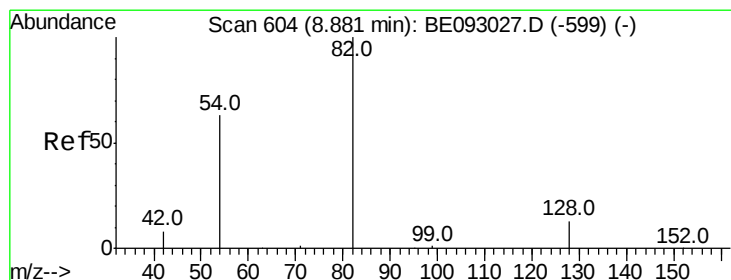
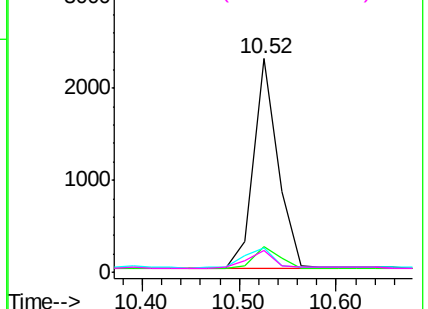
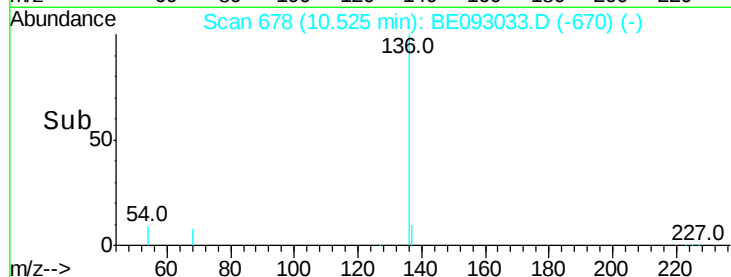


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.34 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

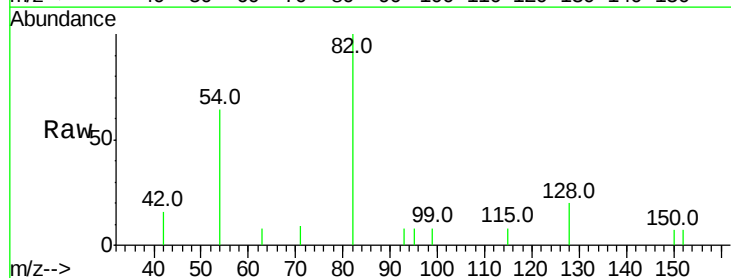
Tgt Ion: 82 Resp: 1191

Ion Ratio Lower Upper

82 100

128 20.0 17.0 25.4

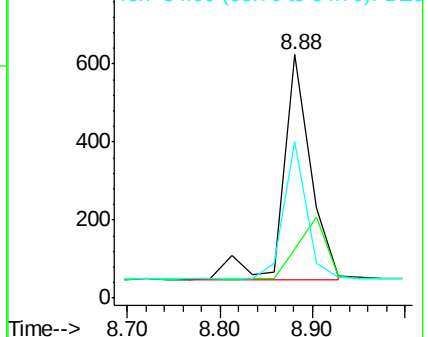
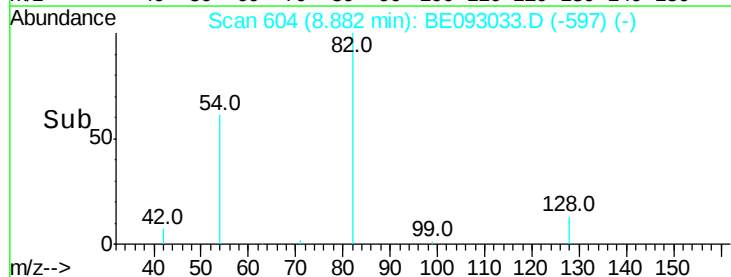
54 64.4 53.8 80.6

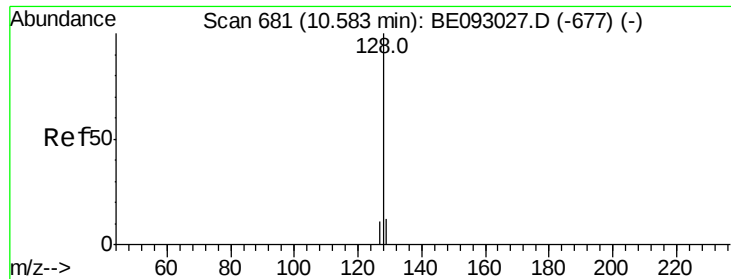


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.35 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampled :

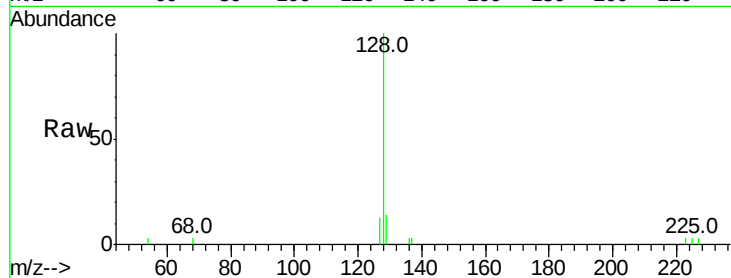
Tot Ion:128 Resp: 3707

Ion Ratio Lower Upper

128 100

129 14.2 11.4 17.0

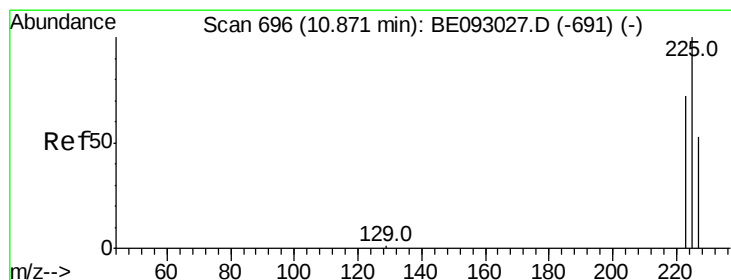
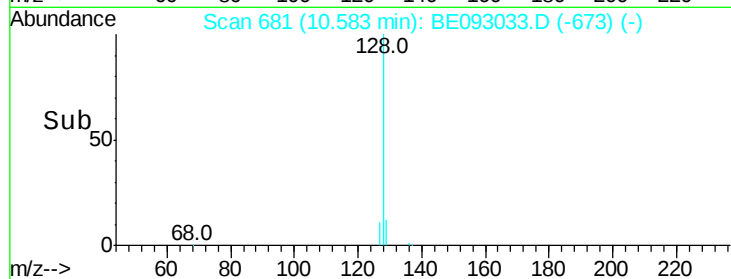
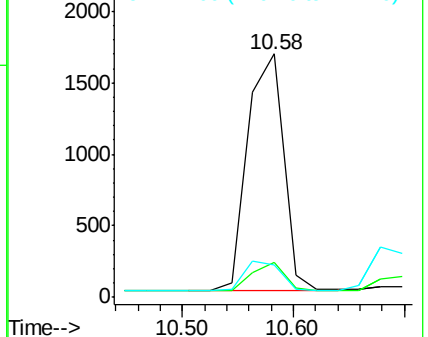
127 13.4 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.36 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

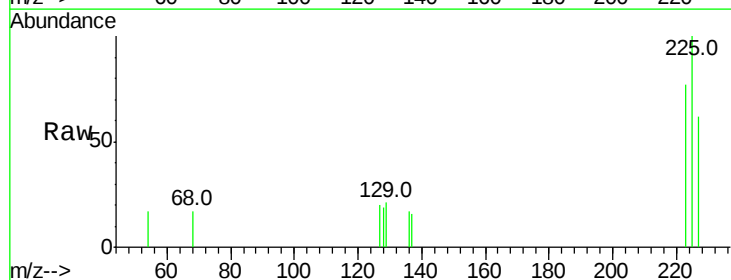
Tgt Ion:225 Resp: 490

Ion Ratio Lower Upper

225 100

223 64.5 49.7 74.5

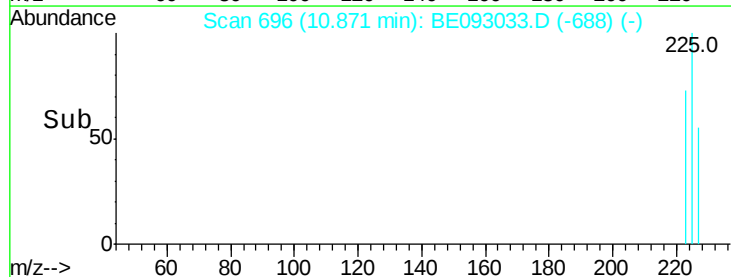
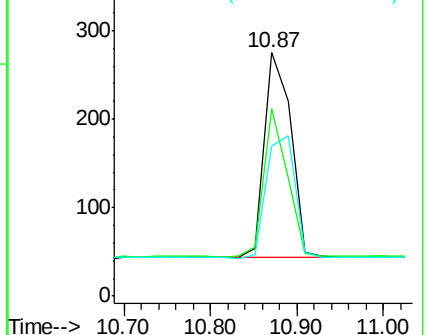
227 63.9 50.3 75.5



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.36 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

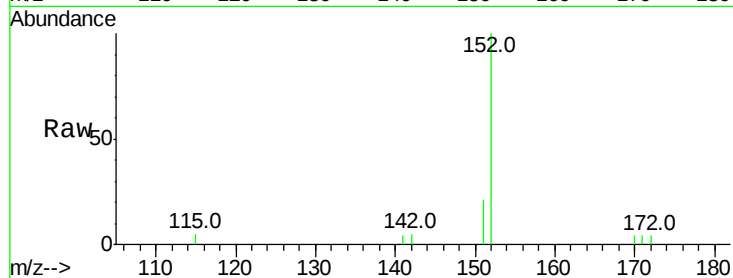
ClientSampleId :

Tot Ion:152 Resp: 2070

Ion Ratio Lower Upper

152 100

151 19.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.11

1200

1000

800

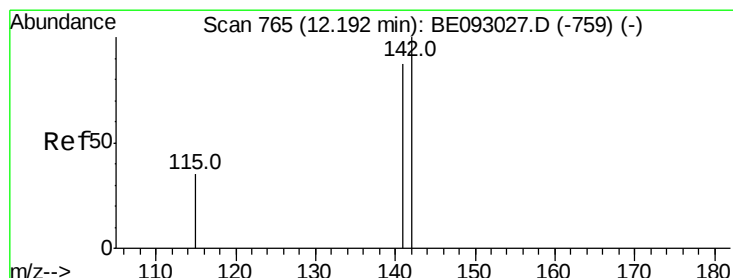
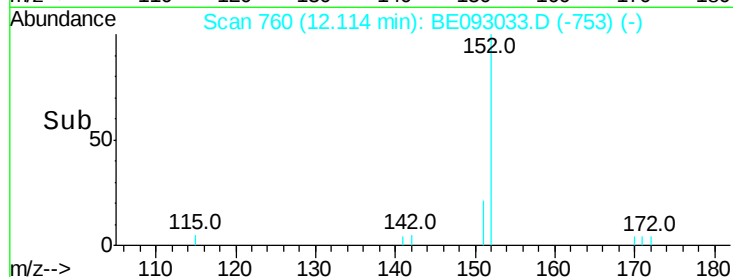
600

400

200

0

Time--> 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.35 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

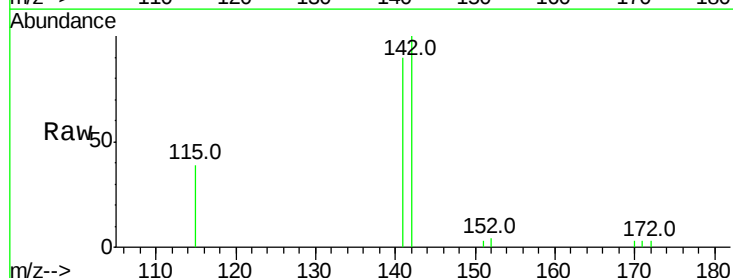
Tgt Ion:142 Resp: 2288

Ion Ratio Lower Upper

142 100

141 89.7 72.6 108.8

115 38.7 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

12.19

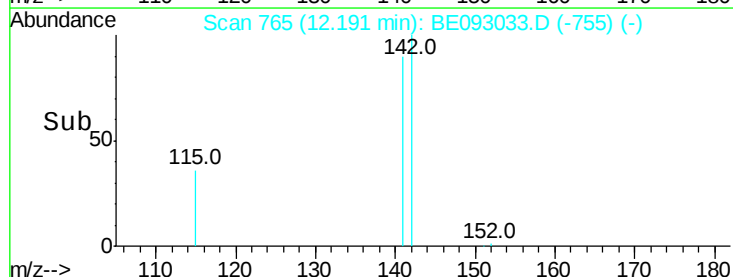
1500

1000

500

0

Time--> 12.00 12.10 12.20 12.30





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

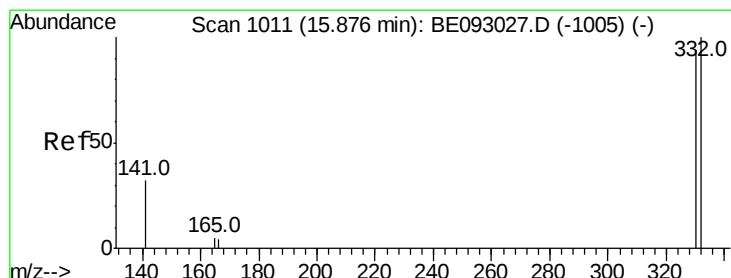
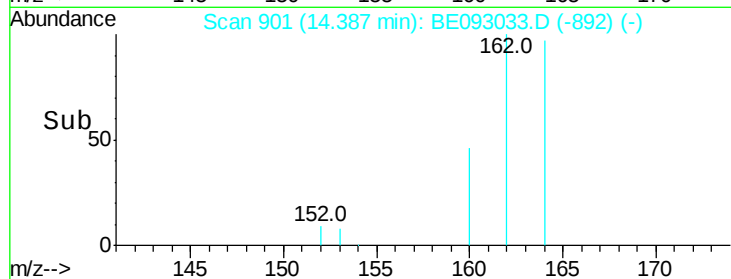
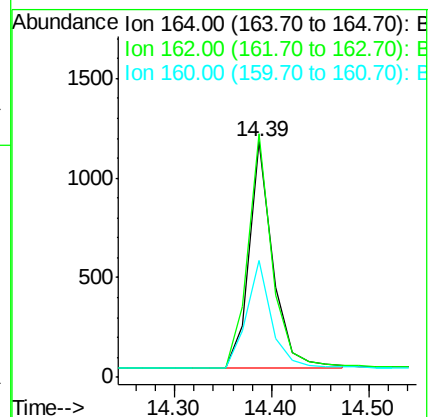
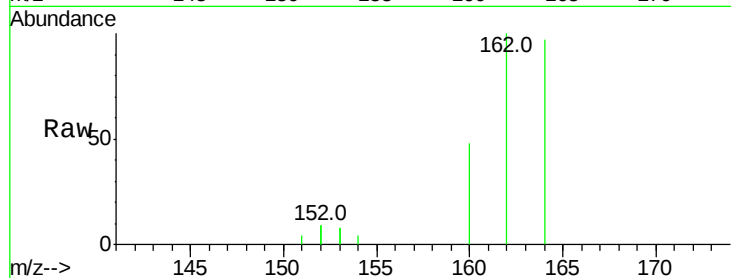
Tot Ion:164 Resp: 1952

Ion Ratio Lower Upper

164 100

162 103.3 84.6 127.0

160 49.5 41.8 62.6



#14

2,4,6-Tribromophenol

Concen: 0.32 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

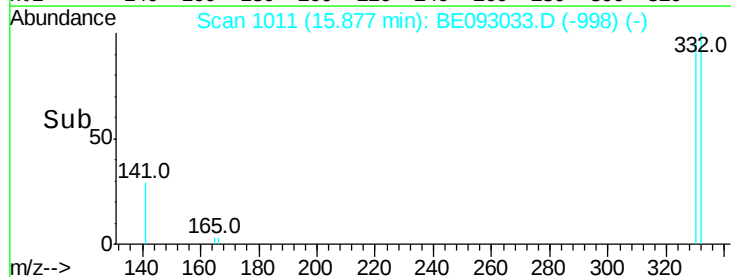
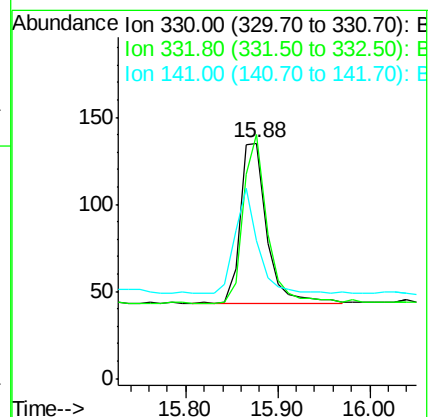
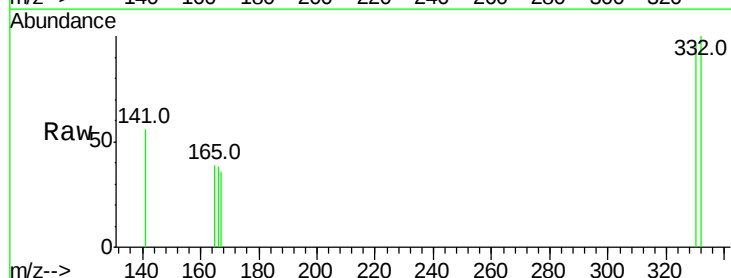
Tgt Ion:330 Resp: 186

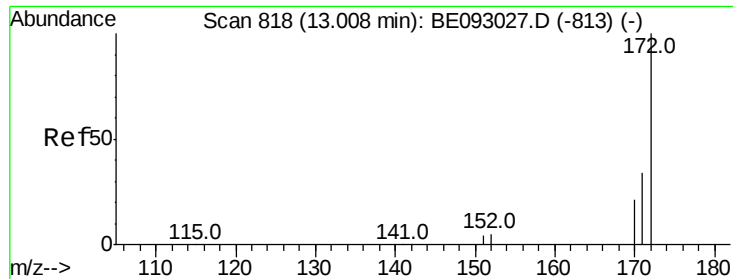
Ion Ratio Lower Upper

330 100

332 94.6 77.7 116.5

141 55.9 56.2 84.4#





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

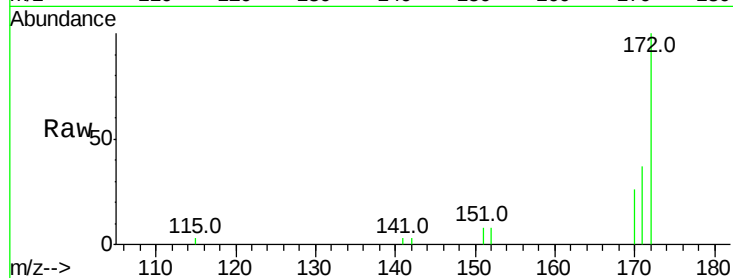
Tot Ion:172 Resp: 2842

Ion Ratio Lower Upper

172 100

171 37.1 29.8 44.6

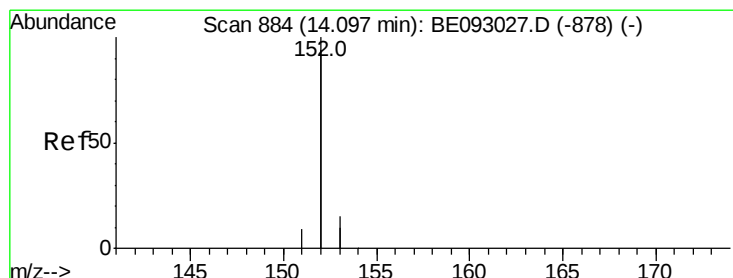
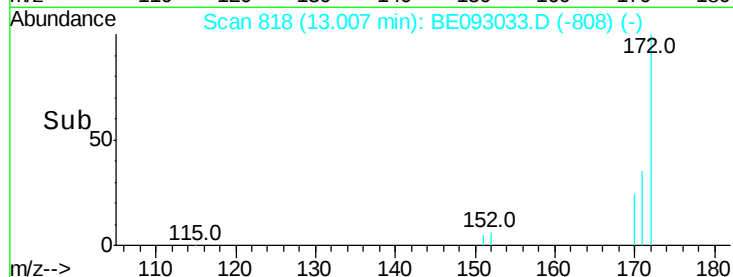
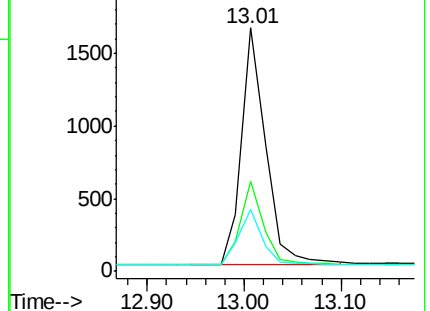
170 25.7 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.33 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

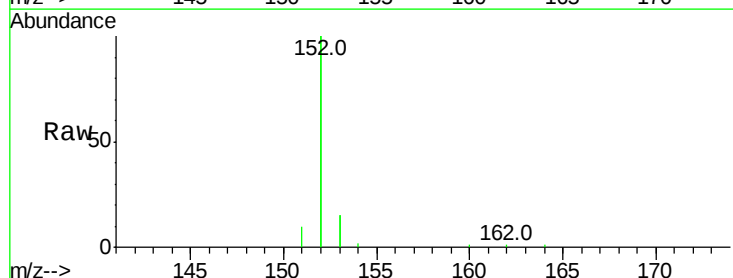
Tgt Ion:152 Resp: 11412

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

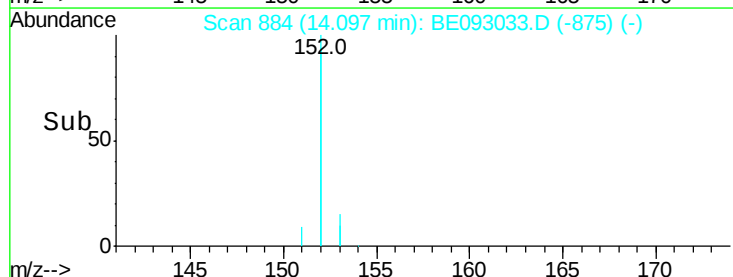
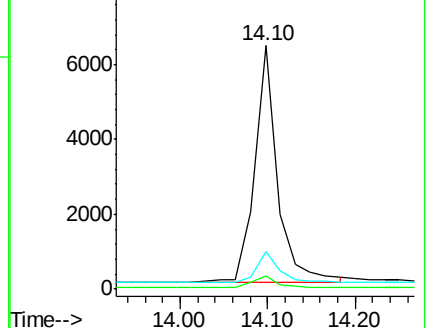
153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

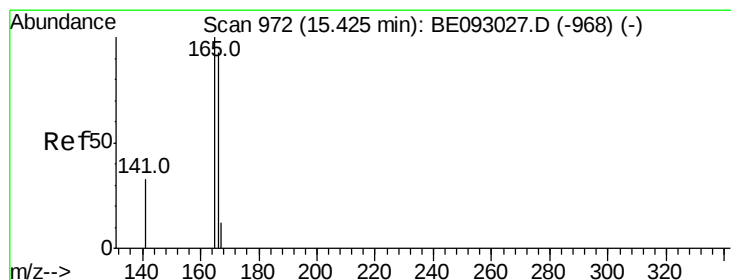
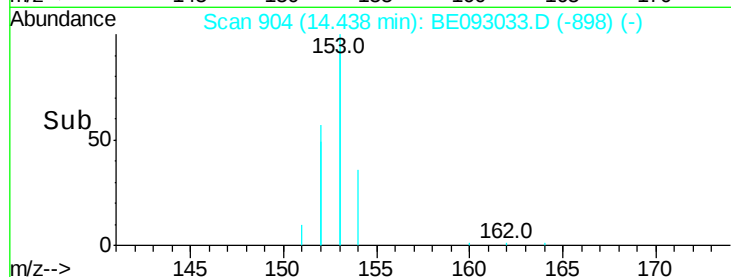
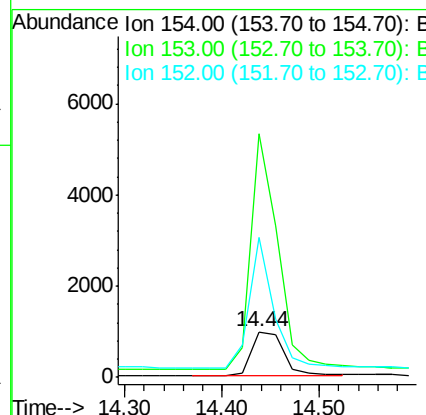
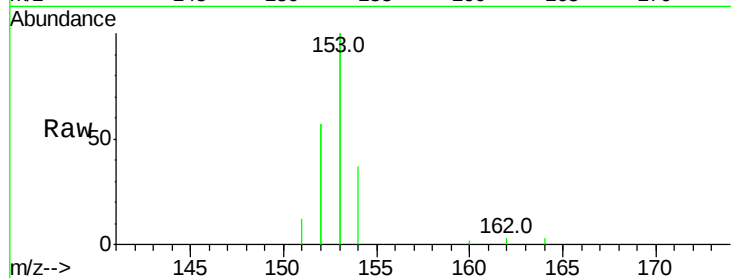




#17
Acenaphthene
Concen: 0.35 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

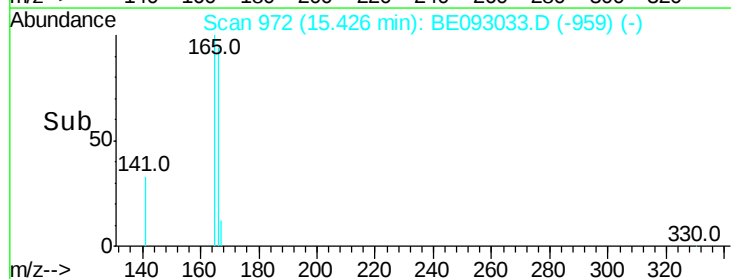
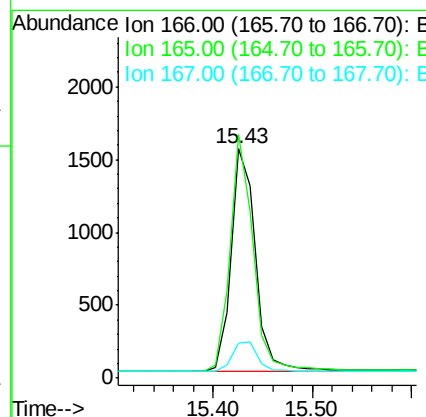
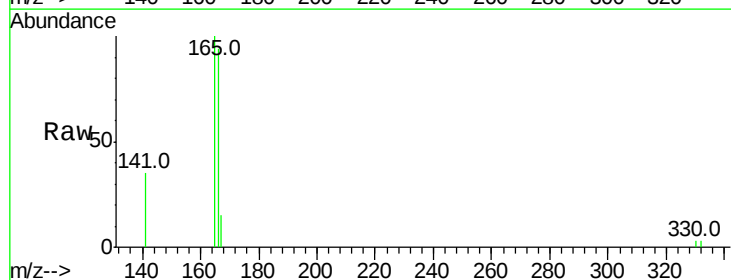
Instrument :
BNA_E
ClientSampleId :

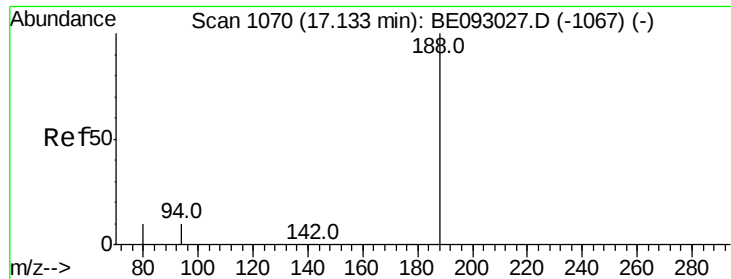
Tot Ion:154 Resp: 2171
Ion Ratio Lower Upper
154 100
153 456.5 367.8 551.6
152 227.4 188.2 282.2



#18
Fluorene
Concen: 0.35 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:166 Resp: 2617
Ion Ratio Lower Upper
166 100
165 100.3 78.6 117.8
167 14.4 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

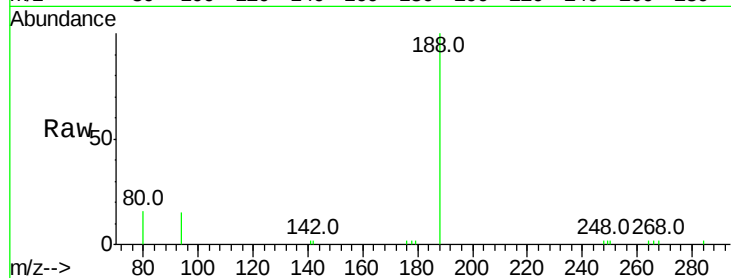
Tot Ion:188 Resp: 5096

Ion Ratio Lower Upper

188 100

94 15.2 11.3 16.9

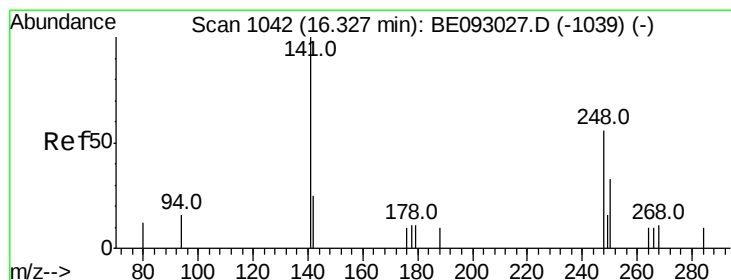
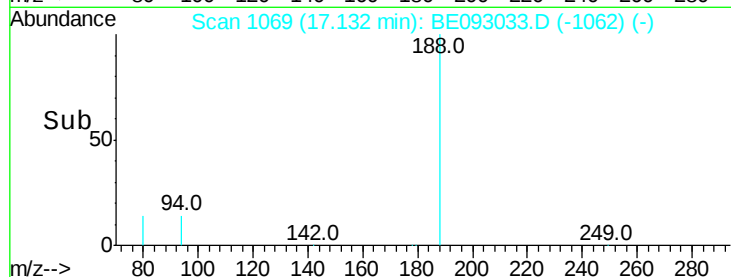
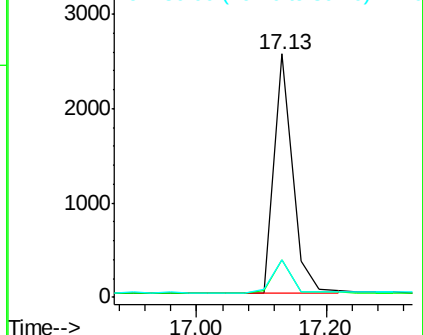
80 15.6 11.7 17.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.33 ng

RT: 16.33 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

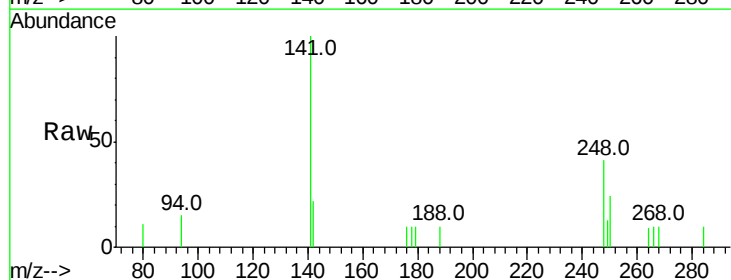
Tgt Ion:248 Resp: 530

Ion Ratio Lower Upper

248 100

250 58.0 100.0 150.0#

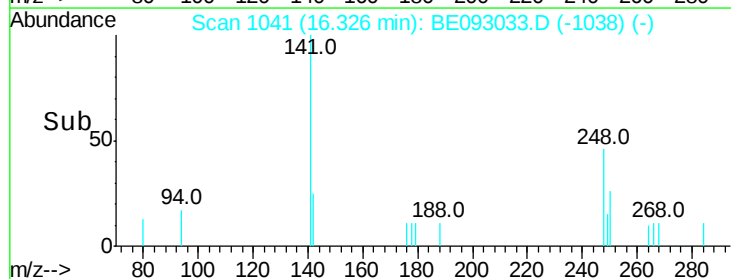
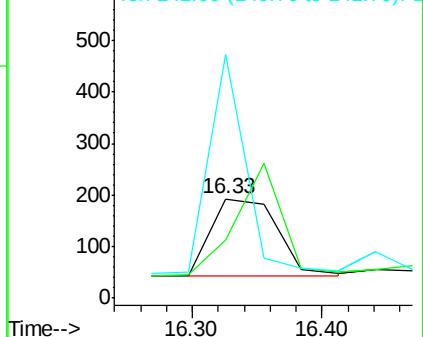
141 244.6 40.0 60.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

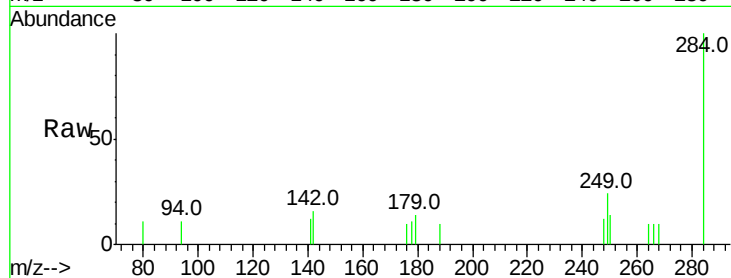




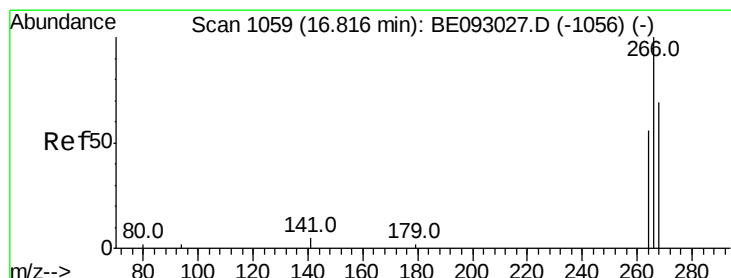
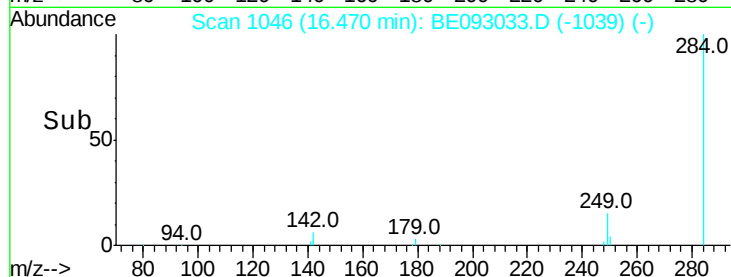
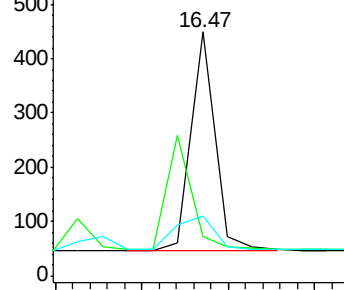
#21
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.47 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 785
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 24.5 0.0 0.0#

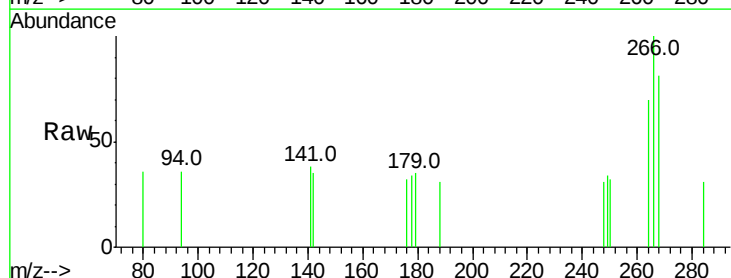


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

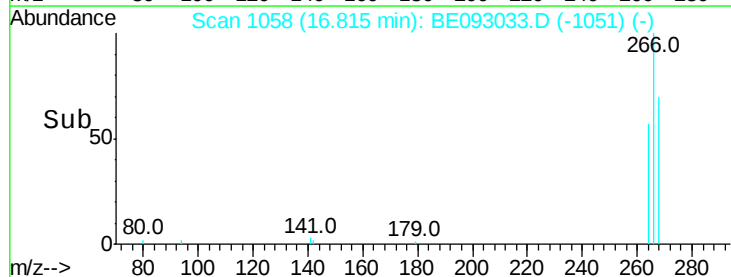
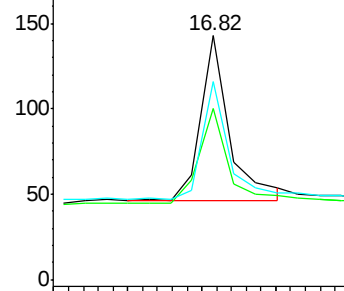


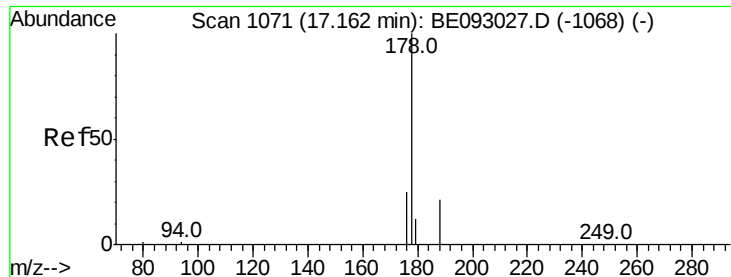
#22
Pentachlorophenol
Concen: 0.44 ng
RT: 16.82 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE093033.D
Acq: 15 May 2017 14:23

Tgt Ion:266 Resp: 268
Ion Ratio Lower Upper
266 100
264 69.9 58.2 87.2
268 81.1 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: 0.33 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

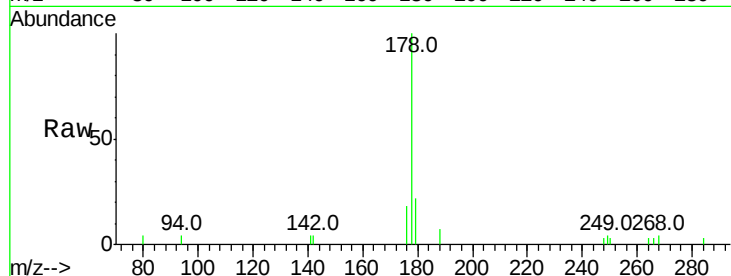
Tot Ion:178 Resp: 3627

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

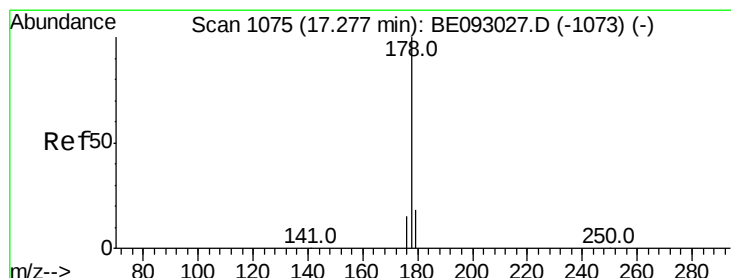
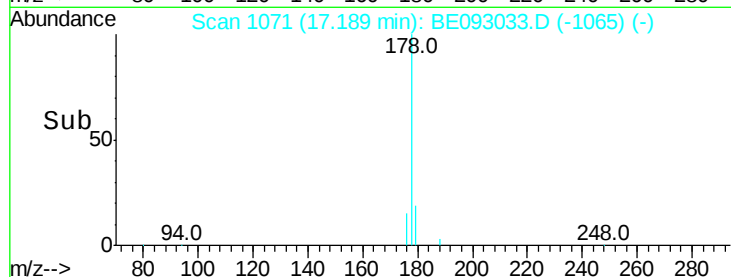
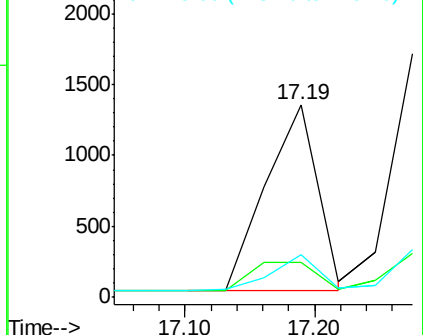
179 16.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.32 ng

RT: 17.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

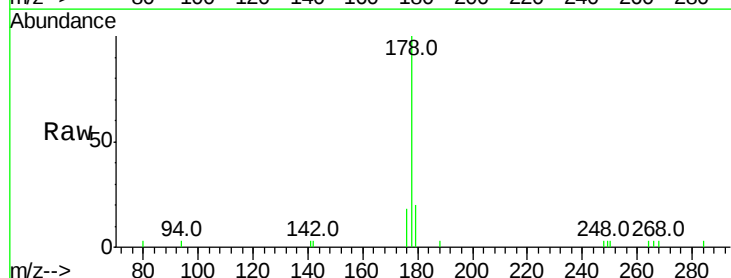
Tgt Ion:178 Resp: 3529

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

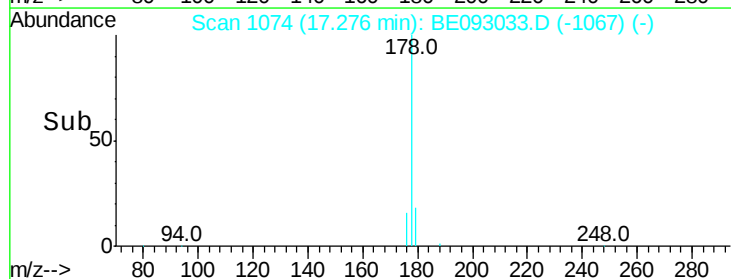
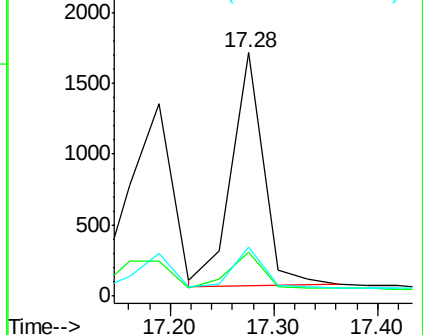
179 16.6 12.0 18.0

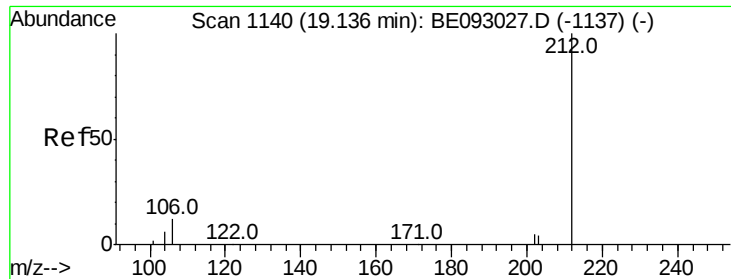


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.34 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

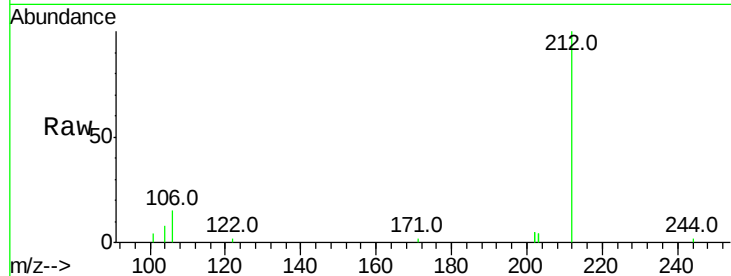
Tot Ion:212 Resp: 4505

Ion Ratio Lower Upper

212 100

106 16.1 0.0 0.0#

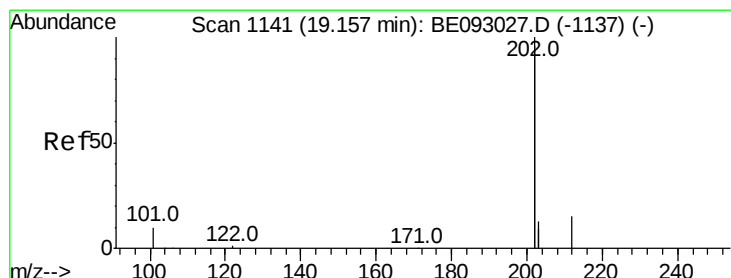
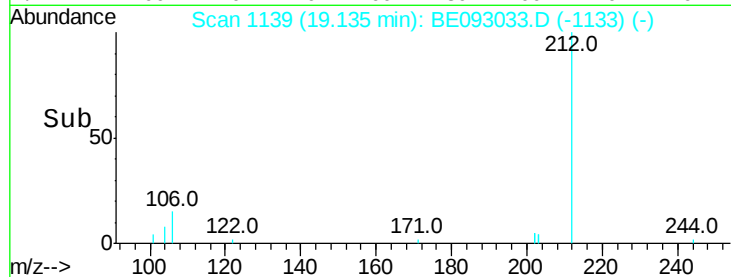
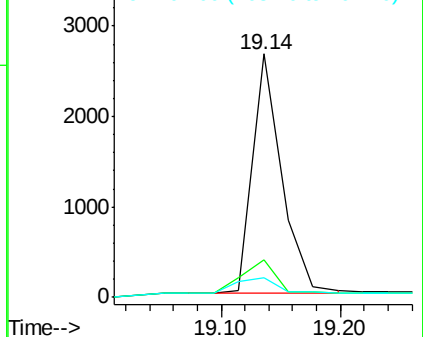
104 8.6 0.0 0.0#



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: 0.33 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

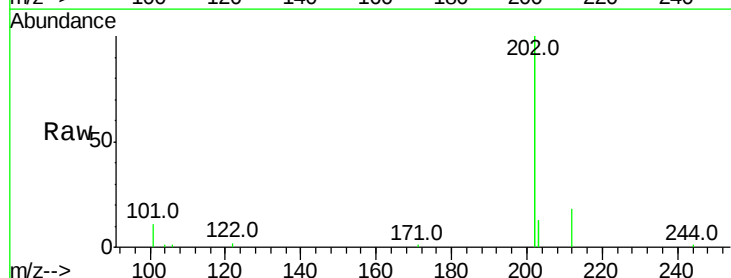
Tgt Ion:202 Resp: 20958

Ion Ratio Lower Upper

202 100

101 3.6 0.0 0.0#

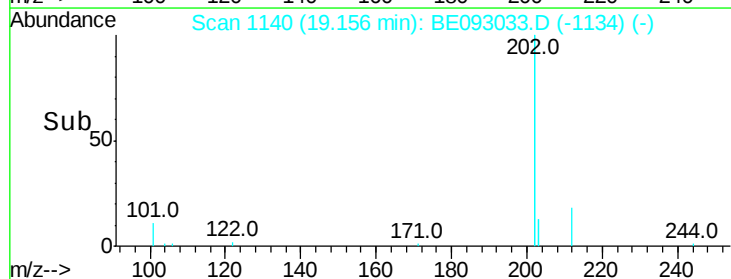
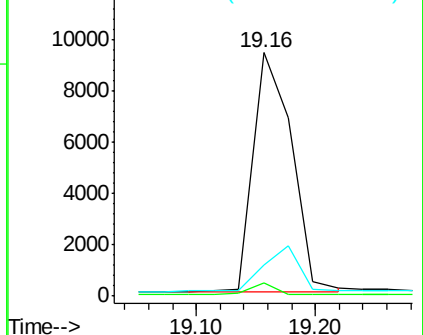
203 0.0 14.4 21.6#

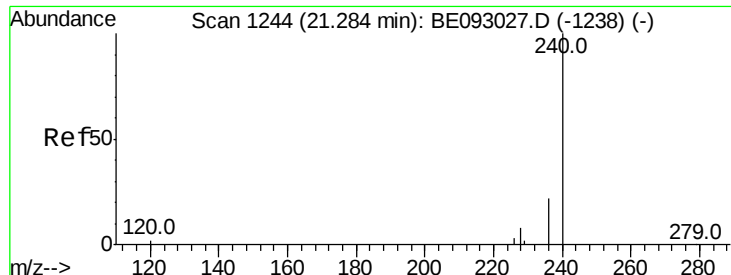


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.28 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

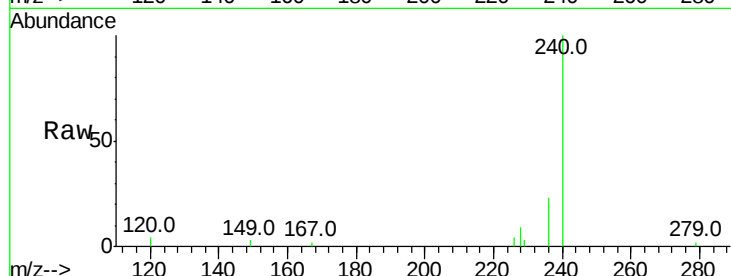
Tot Ion:240 Resp: 5347

Ion Ratio Lower Upper

240 100

120 3.9 4.6 7.0#

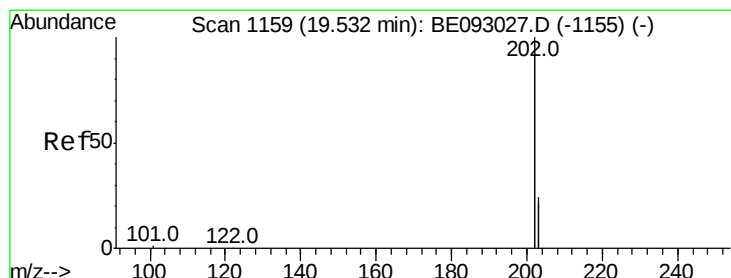
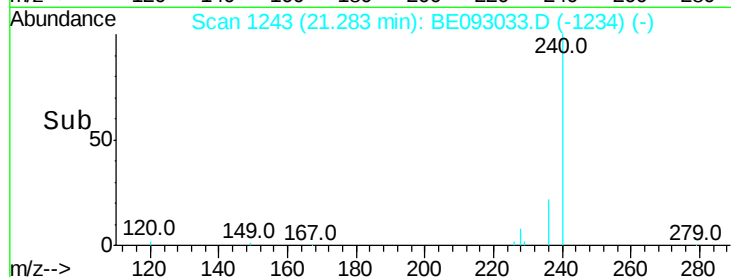
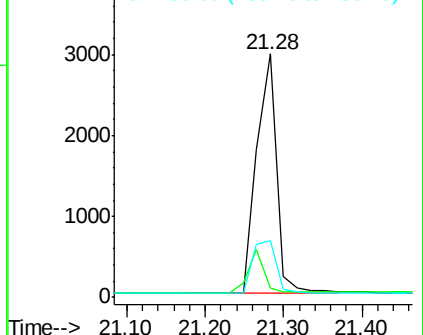
236 23.1 20.8 31.2



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: 0.36 ng

RT: 19.53 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

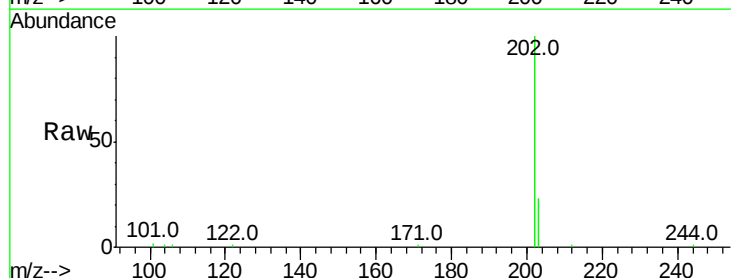
Tgt Ion:202 Resp: 23067

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

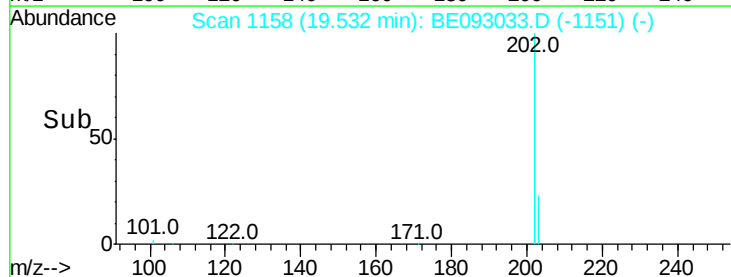
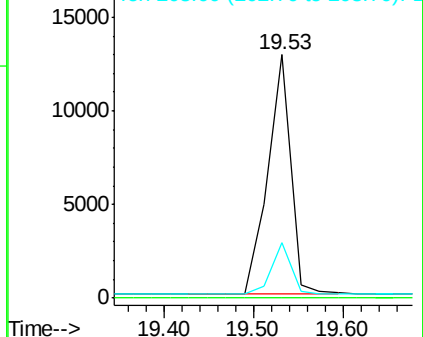
203 18.5 13.7 20.5

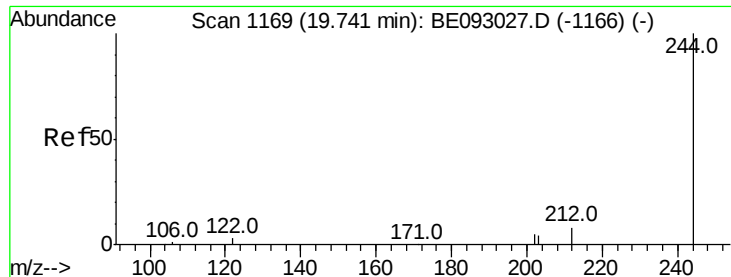


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.36 ng

RT: 19.74 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

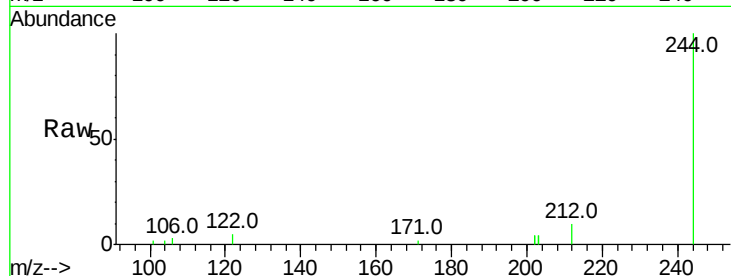
Tot Ion:244 Resp: 3563

Ion Ratio Lower Upper

244 100

212 9.6 10.6 16.0#

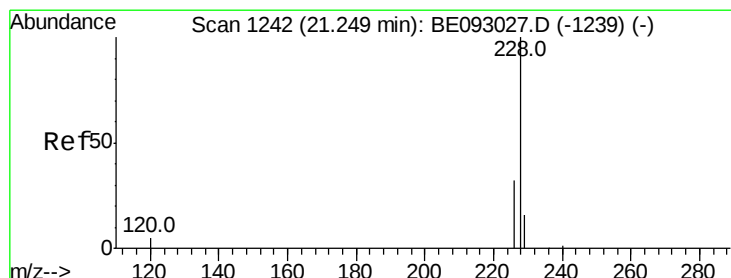
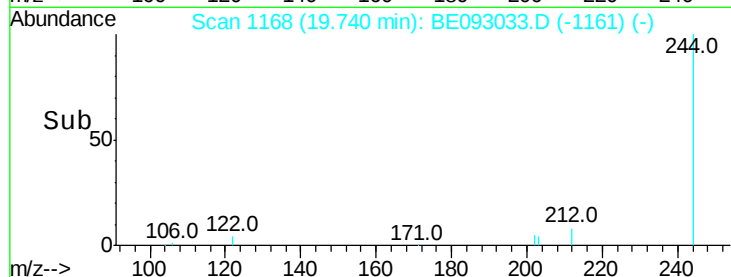
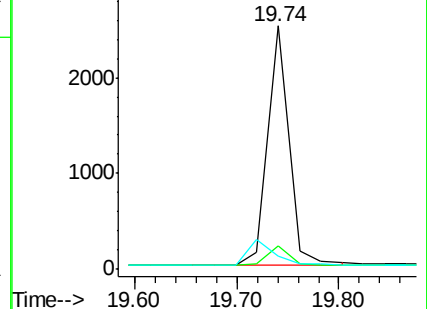
122 5.4 15.4 23.0#



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: 0.36 ng

RT: 21.25 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

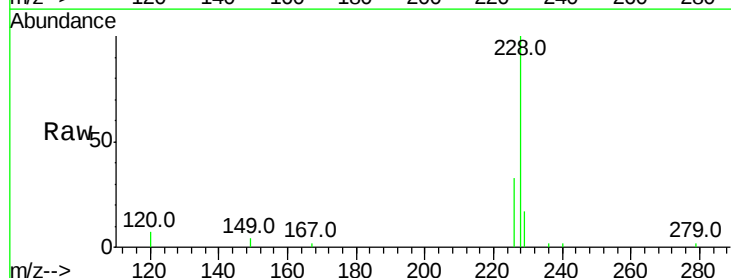
Tgt Ion:228 Resp: 5192

Ion Ratio Lower Upper

228 100

226 33.1 19.7 29.5#

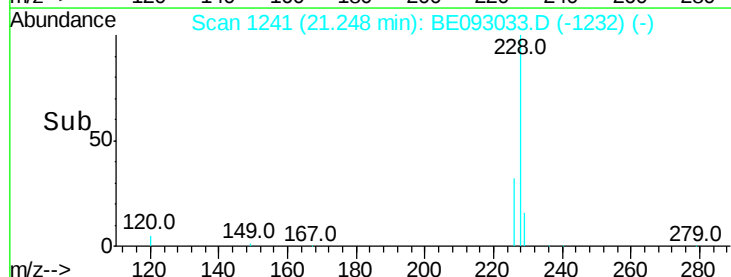
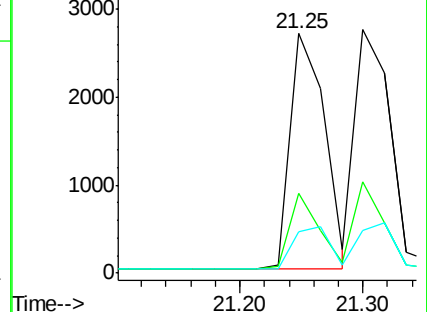
229 17.1 19.2 28.8#

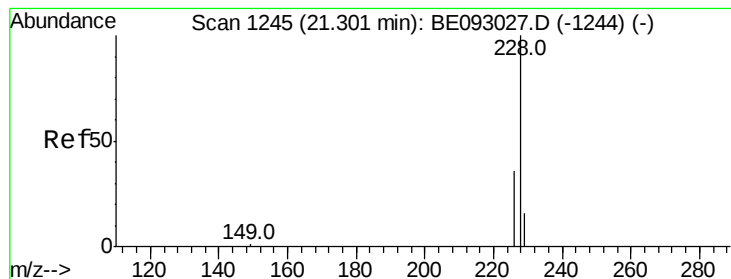


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.35 ng

RT: 21.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

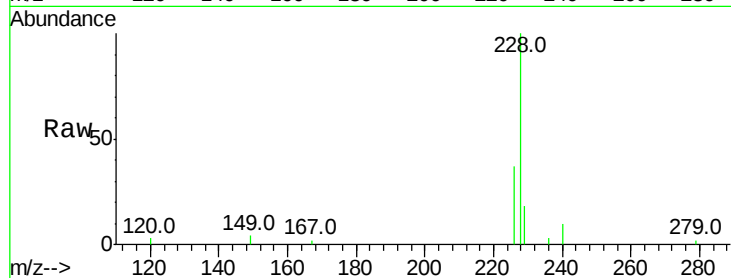
Tot Ion:228 Resp: 5479

Ion Ratio Lower Upper

228 100

226 37.3 21.5 32.3#

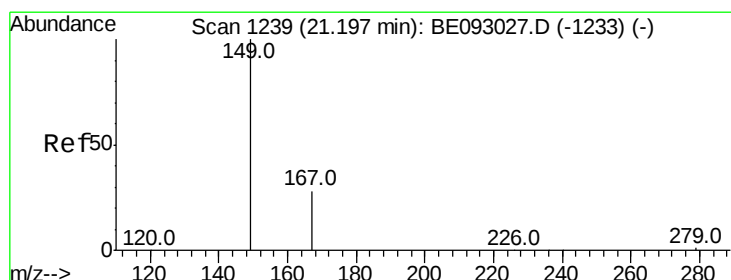
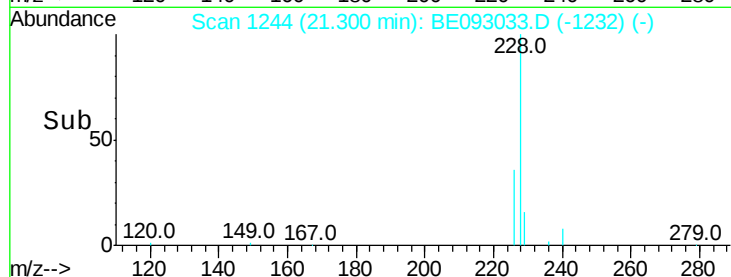
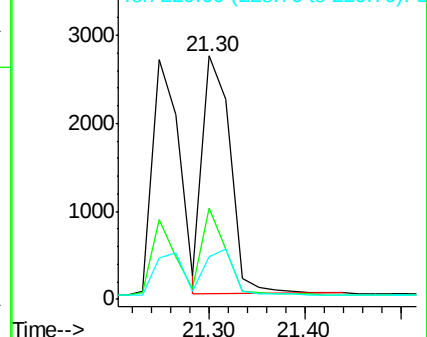
229 17.7 18.6 28.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.33 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

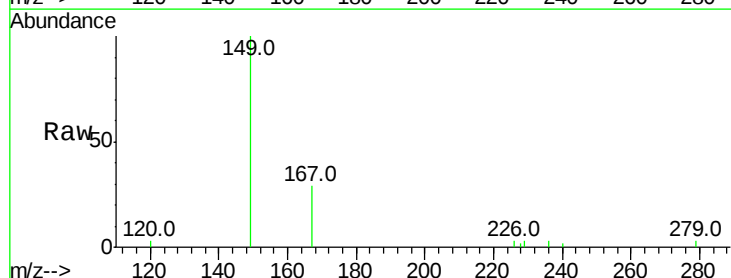
Tgt Ion:149 Resp: 2226

Ion Ratio Lower Upper

149 100

167 27.6 20.1 30.1

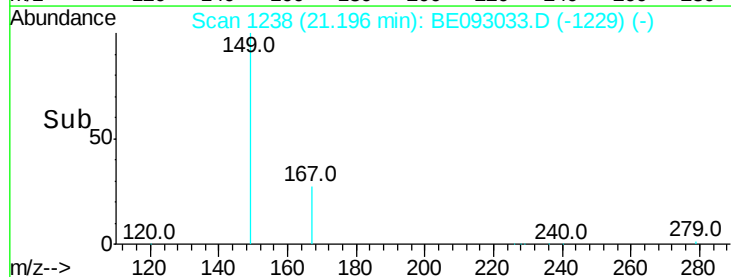
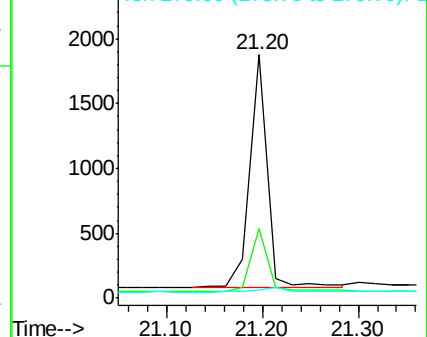
279 2.6 2.2 3.4

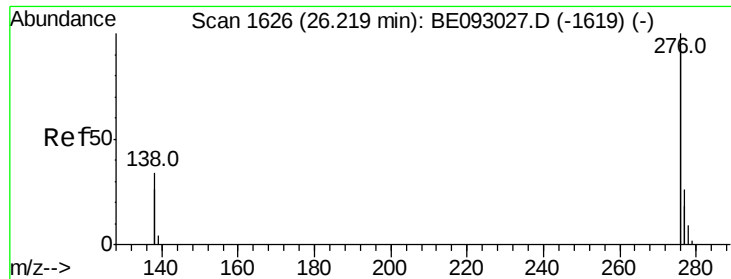


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

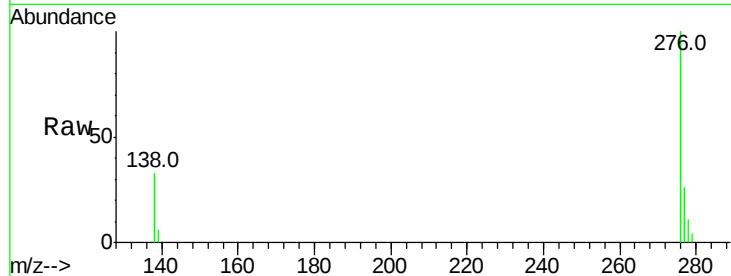




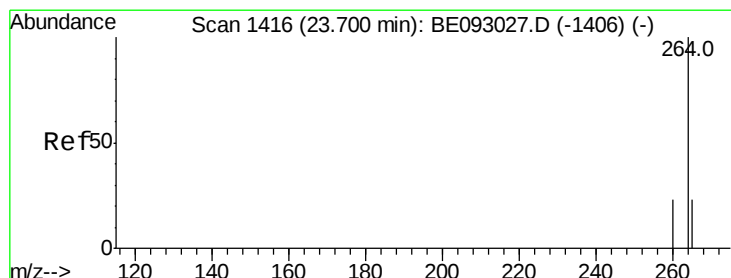
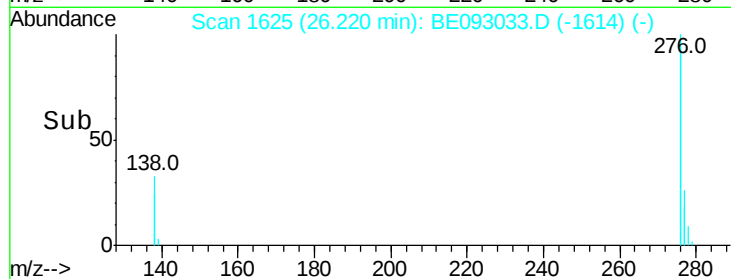
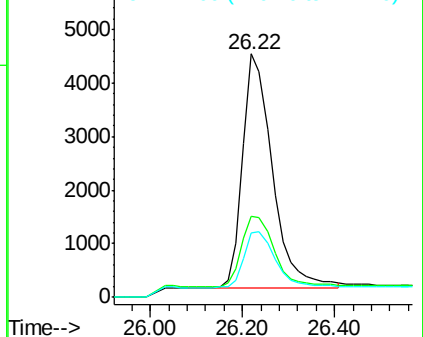
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.34 ng
 RT: 26.22 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE093033.D
 Acq: 15 May 2017 14:23

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 19550
 Ion Ratio Lower Upper
 276 100
 138 33.1 27.4 41.2
 277 25.1 20.1 30.1

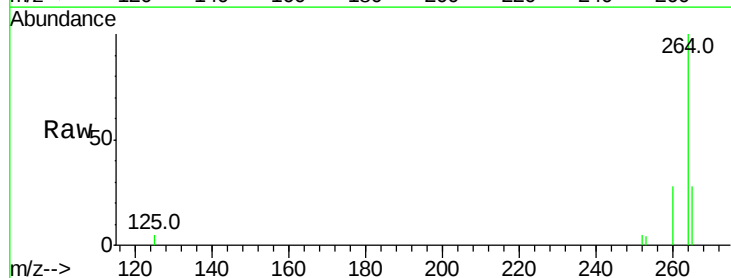


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

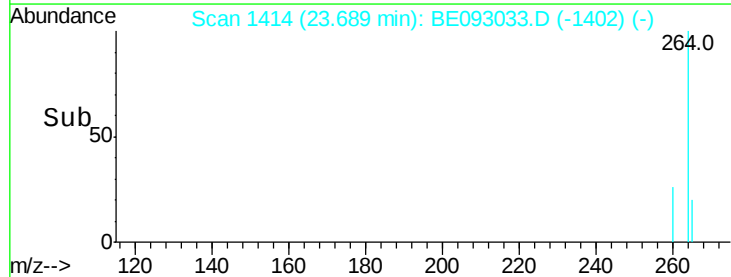
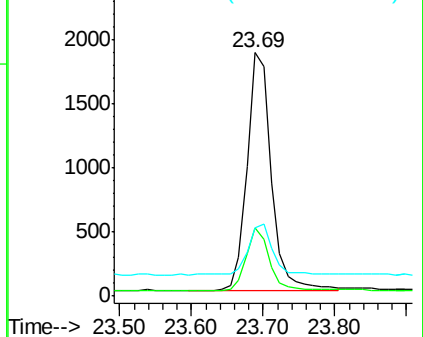


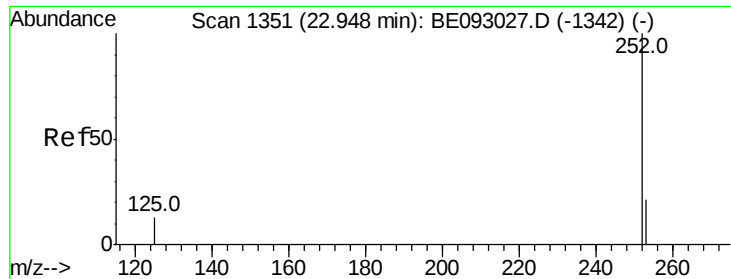
#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BE093033.D
 Acq: 15 May 2017 14:23

Tgt Ion:264 Resp: 4366
 Ion Ratio Lower Upper
 264 100
 260 27.8 21.0 31.4
 265 28.2 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.34 ng

RT: 22.95 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

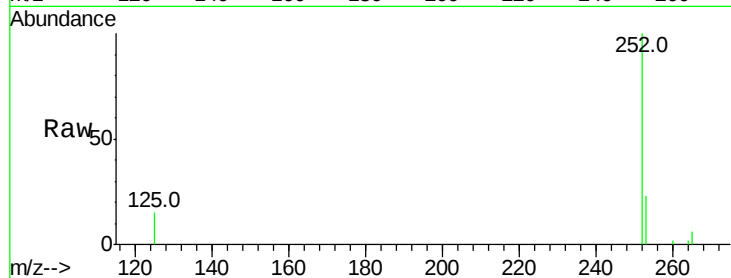
Tot Ion:252 Resp: 4729

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

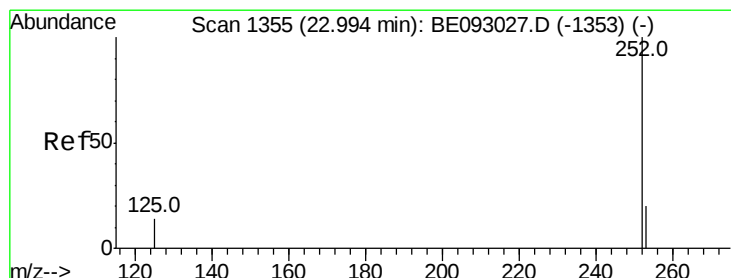
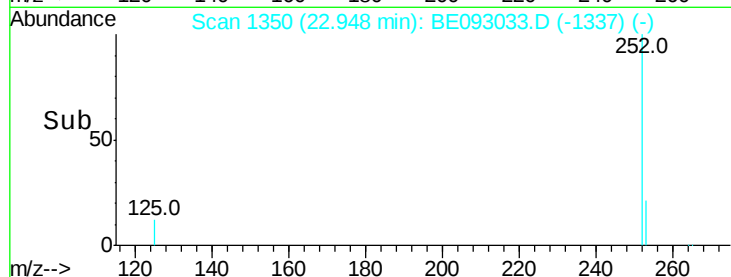
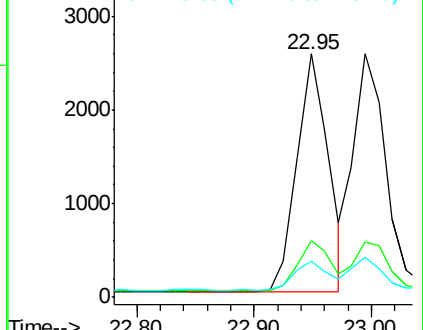
125 15.1 13.4 20.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.35 ng

RT: 22.99 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

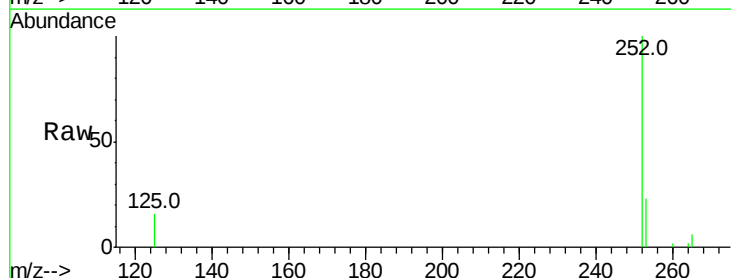
Tgt Ion:252 Resp: 4805

Ion Ratio Lower Upper

252 100

253 22.9 20.3 30.5

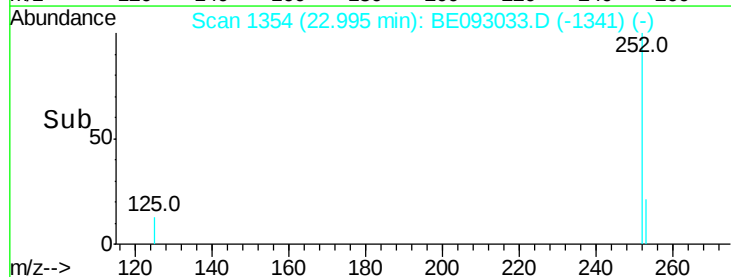
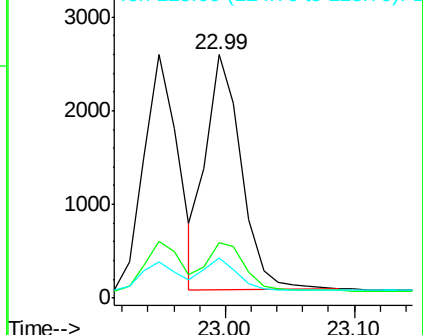
125 16.3 12.2 18.4

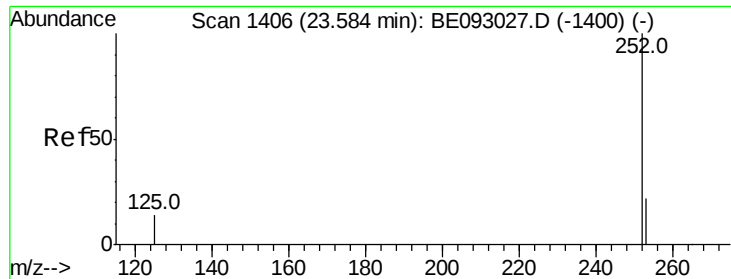


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.35 ng

RT: 23.58 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :

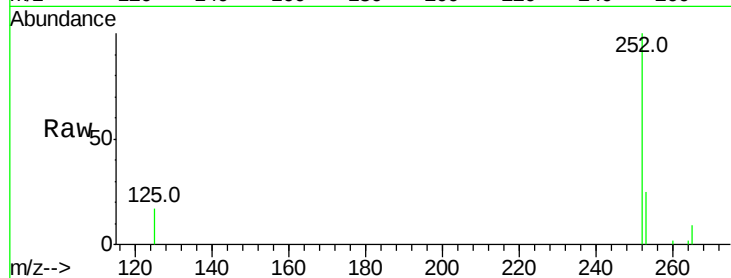
Tot Ion:252 Resp: 4448

Ion Ratio Lower Upper

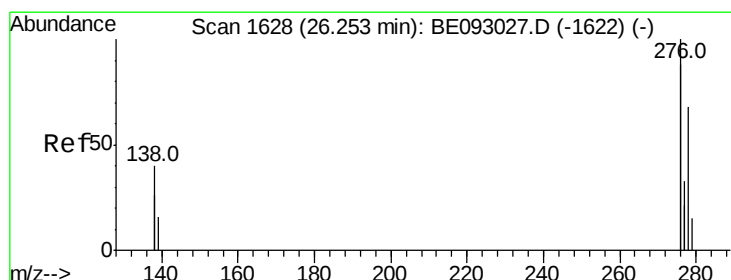
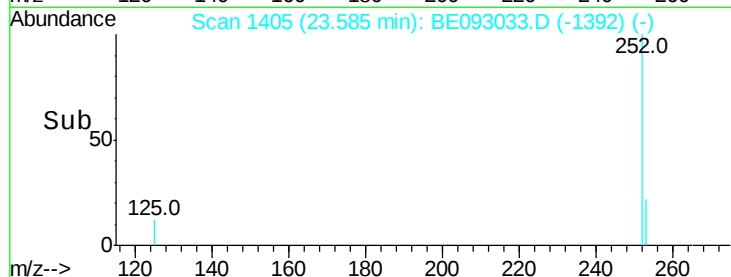
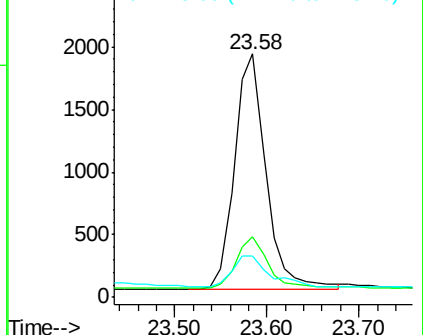
252 100

253 24.8 19.9 29.9

125 17.2 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: 0.35 ng

RT: 26.25 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE093033.D

Acq: 15 May 2017 14:23

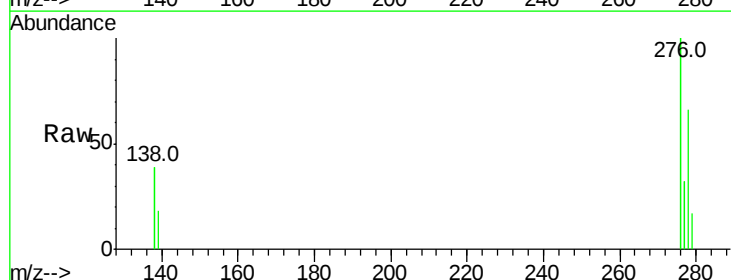
Tgt Ion:278 Resp: 4127

Ion Ratio Lower Upper

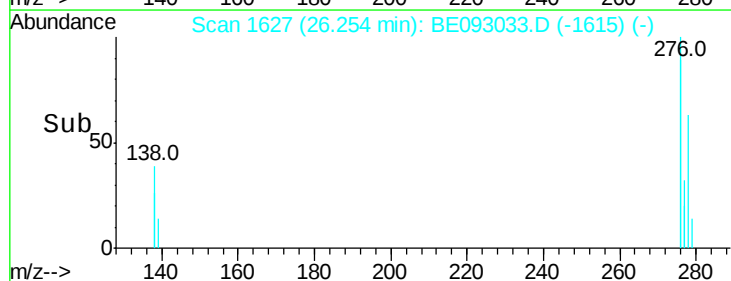
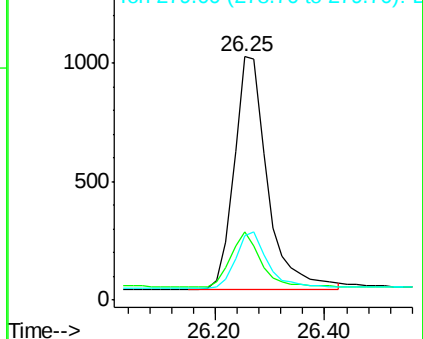
278 100

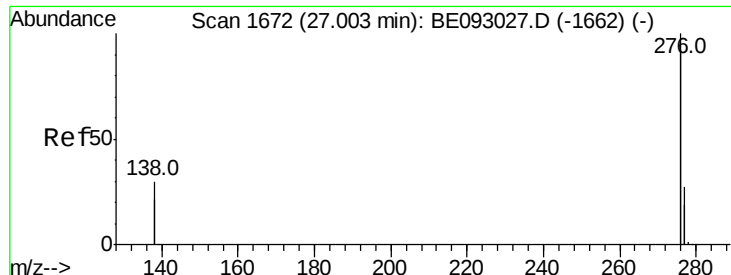
139 27.9 21.4 32.0

279 26.6 22.2 33.2



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.35 ng

RT: 27.00 min Scan# 1671

Delta R.T. 0.00 min

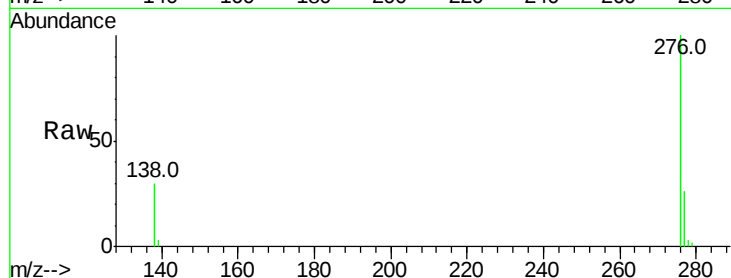
Lab File: BE093033.D

Acq: 15 May 2017 14:23

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 17722

Ion Ratio Lower Upper

276 100

277 26.5 21.2 31.8

138 30.1 24.5 36.7

