

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\
 Data File : BE092991.D
 Acq On : 11 May 2017 11:58
 Operator : SJ/MA
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Quant Time: May 11 14:14:11 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:12:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	811	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3212	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1562	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3773	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4031	0.40	ng	0.00
34) Perylene-d12	23.70	264	3292	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	767	0.34	ng	0.00
5) Phenol-d6	6.92	99	967	0.35	ng	-0.02
8) Nitrobenzene-d5	8.88	82	879	0.35	ng	-0.02
11) 2-Methylnaphthalene-d10	12.13	152	1615	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	138	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2177	0.36	ng	0.00
25) Fluoranthene-d10	19.14	212	3556	0.35	ng	-0.02
29) Terphenyl-d14	19.74	244	2405	0.34	ng	0.00

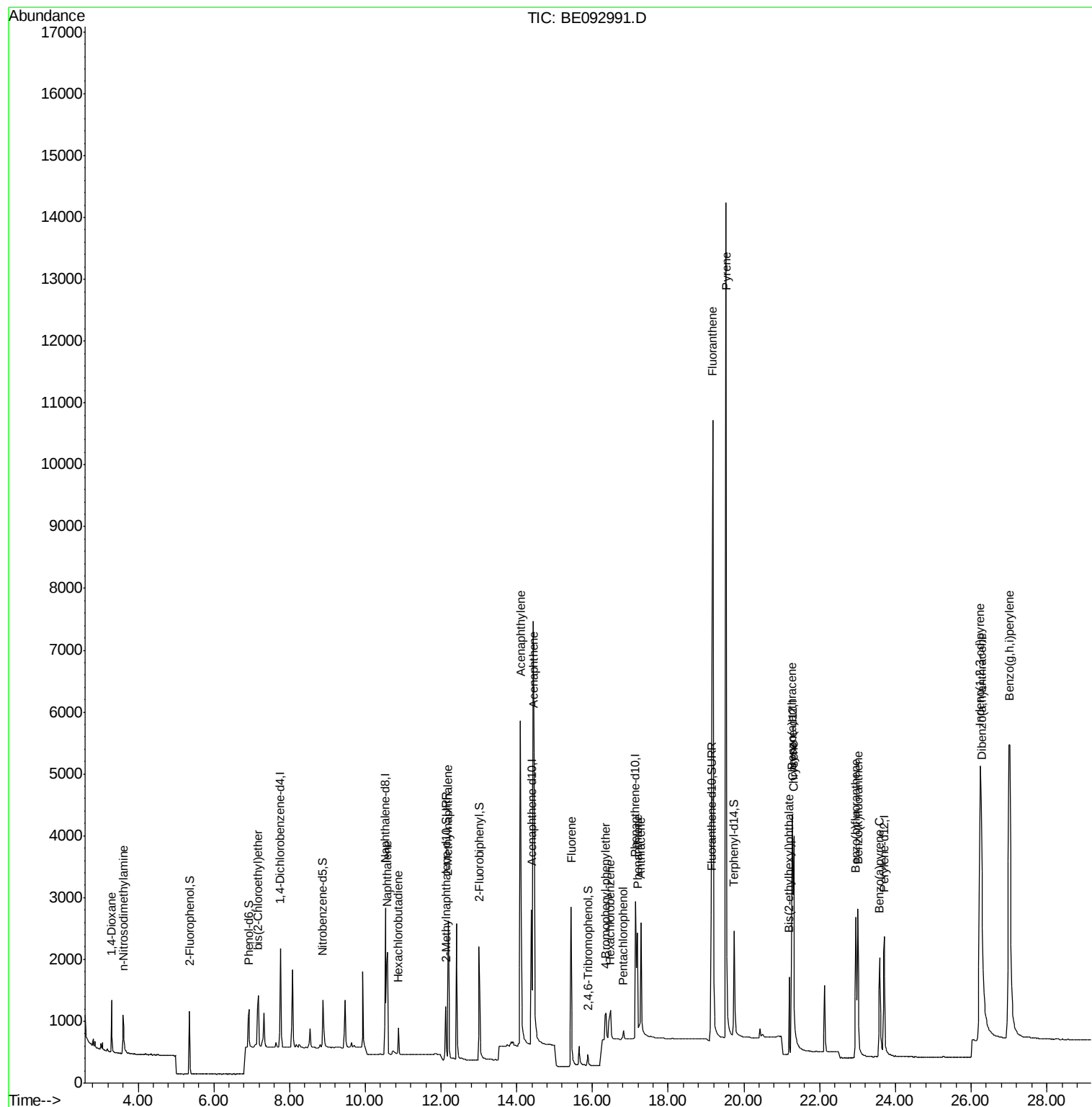
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.31	88	552	0.33	ng	98
3) n-Nitrosodimethylamine	3.61	42	484	0.35	ng	# 95
6) bis(2-Chloroethyl)ether	7.18	93	952	0.35	ng	# 100
9) Naphthalene	10.58	128	3099	0.36	ng	99
10) Hexachlorobutadiene	10.87	225	421	0.36	ng	99
12) 2-Methylnaphthalene	12.19	142	1765	0.36	ng	99
16) Acenaphthylene	14.10	152	8779	0.34	ng	100
17) Acenaphthene	14.46	154	1685	0.35	ng	98
18) Fluorene	15.44	166	2114	0.35	ng	99
20) 4-Bromophenyl-phenylether	16.36	248	426	0.35	ng	100
21) Hexachlorobenzene	16.47	284	668	0.35	ng	# 100
22) Pentachlorophenol	16.82	266	157	0.28	ng	95
23) Phenanthrene	17.19	178	3088	0.33	ng	100
24) Anthracene	17.28	178	2874	0.36	ng	99
26) Fluoranthene	19.18	202	17325	0.35	ng	# 99
28) Pyrene	19.53	202	18462	0.36	ng	# 98
30) Benzo(a)anthracene	21.27	228	3210	0.33	ng	98
31) Chrysene	21.32	228	4472	0.36	ng	99
32) Bis(2-ethylhexyl)phthalate	21.20	149	1256	0.30	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	13967	0.36	ng	98
35) Benzo(b)fluoranthene	22.95	252	3916	0.37	ng	99
36) Benzo(k)fluoranthene	23.01	252	3421	0.33	ng	98
37) Benzo(a)pyrene	23.59	252	3127	0.35	ng	99
38) Dibenzo(a,h)anthracene	26.27	278	2843	0.35	ng	98
39) Benzo(g,h,i)perylene	27.02	276	13810	0.37	ng	98

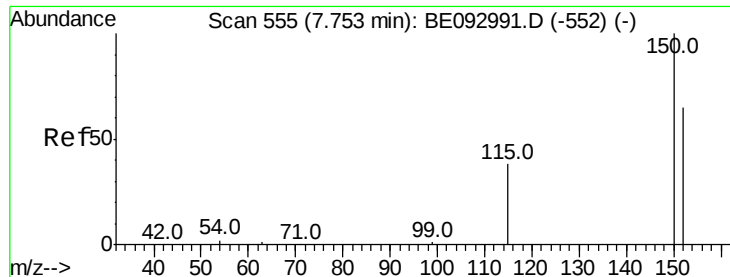
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

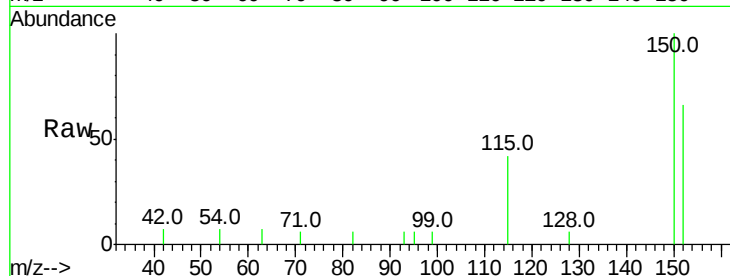
Tot Ion:152 Resp: 811

Ion Ratio Lower Upper

152 100

150 150.5 125.1 187.7

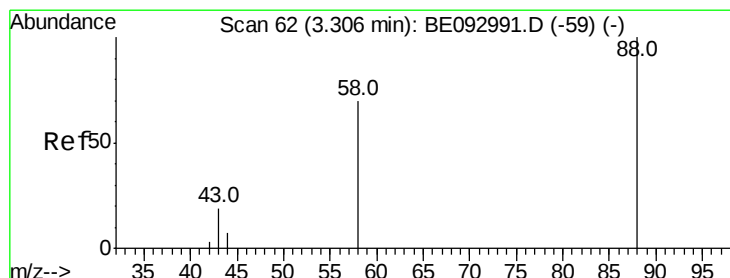
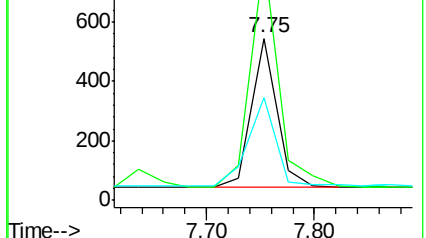
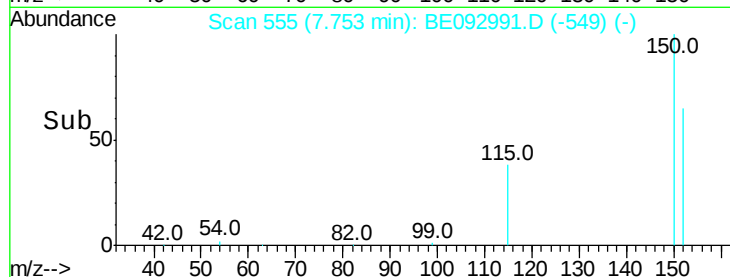
115 63.1 55.7 83.5



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: 0.33 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

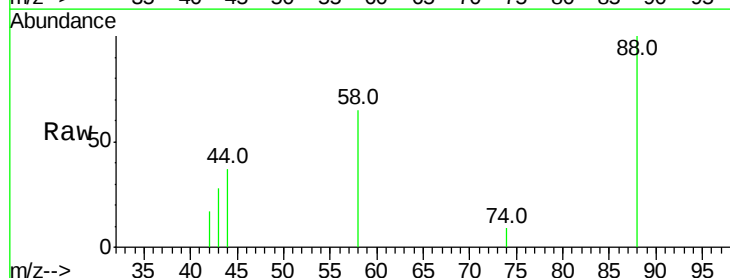
Tgt Ion: 88 Resp: 552

Ion Ratio Lower Upper

88 100

58 79.0 62.2 93.4

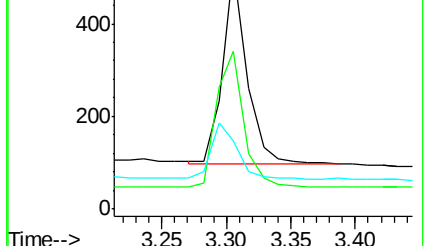
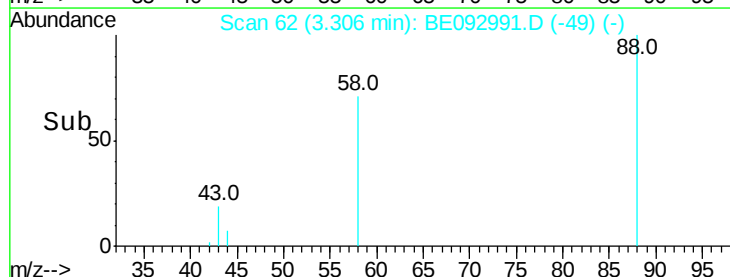
43 31.7 23.2 34.8

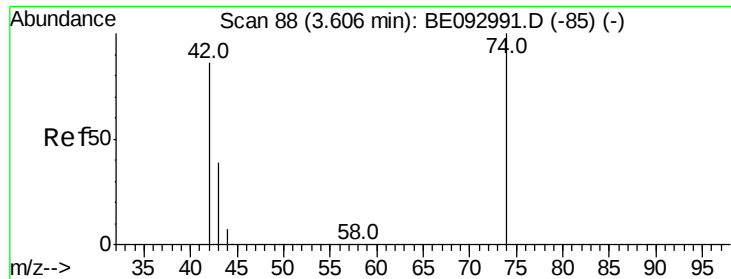


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.35 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

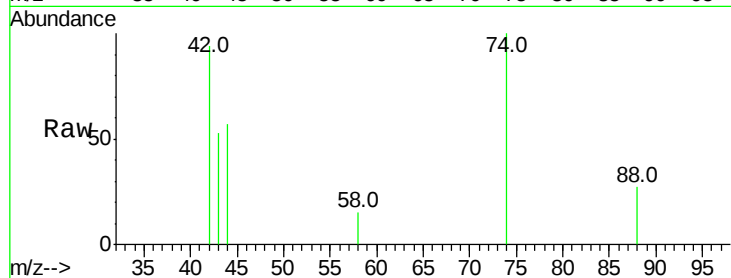
Tot Ion: 42 Resp: 484

Ion Ratio Lower Upper

42 100

74 118.2 99.1 148.7

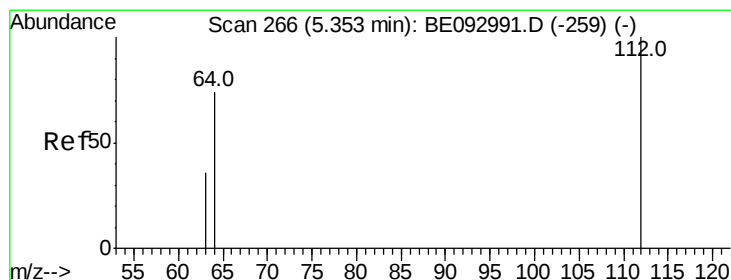
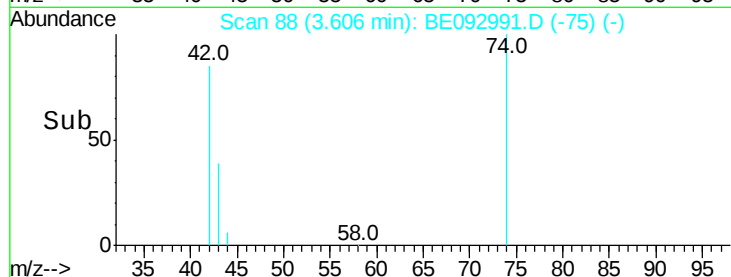
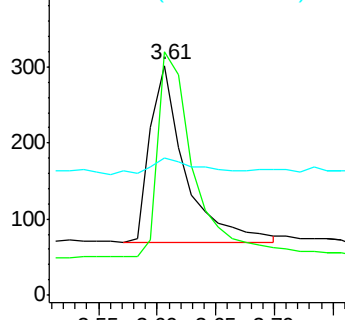
44 11.6 7.4 11.2#



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: 0.34 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.01 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

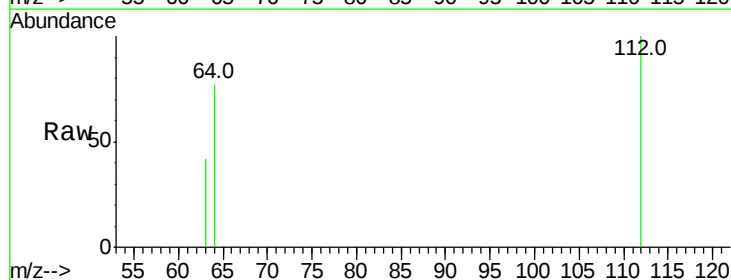
Tgt Ion: 112 Resp: 767

Ion Ratio Lower Upper

112 100

64 72.1 56.4 84.6

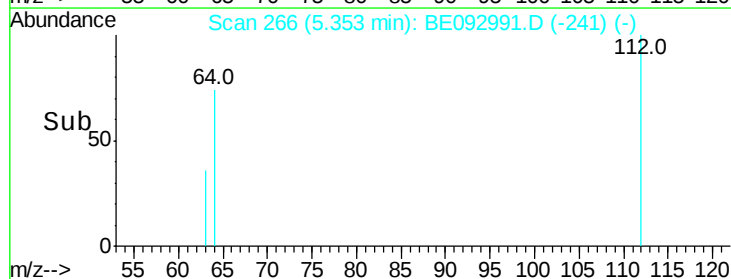
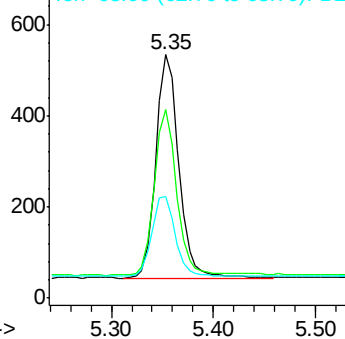
63 37.0 29.3 43.9

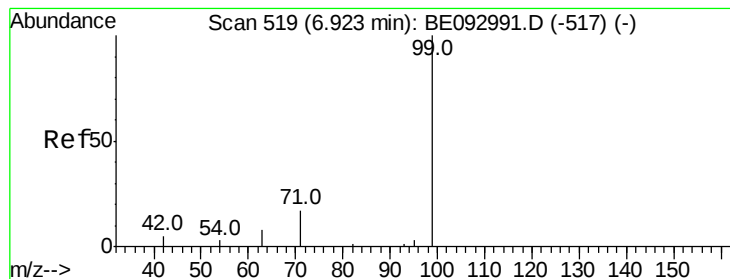


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.35 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

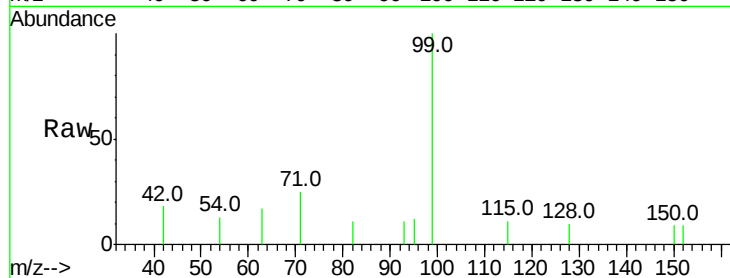
Tot Ion: 99 Resp: 967

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

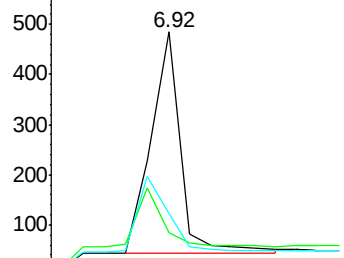
71 0.0 0.0 0.0



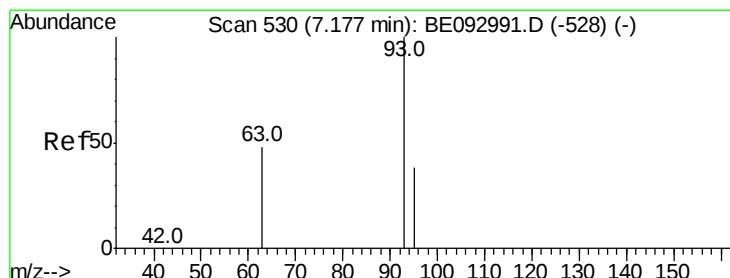
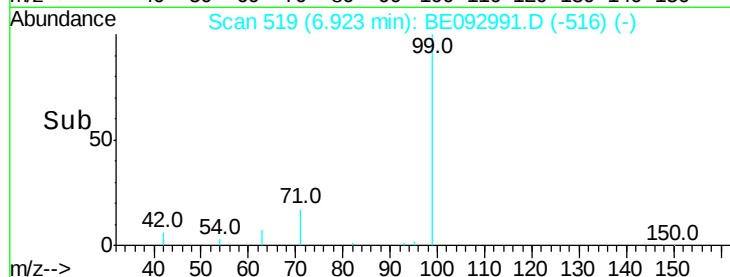
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.80 6.90 7.00



#6

bis(2-Chloroethyl)ether

Concen: 0.35 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

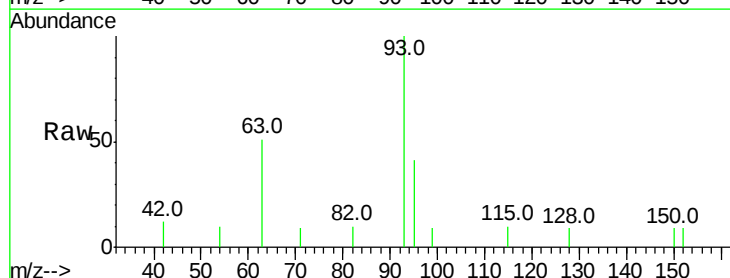
Tgt Ion: 93 Resp: 952

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

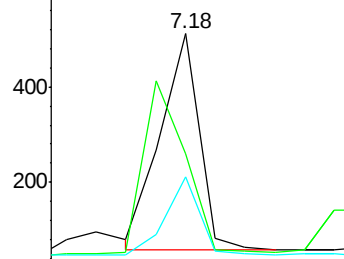
95 31.6 25.4 38.0



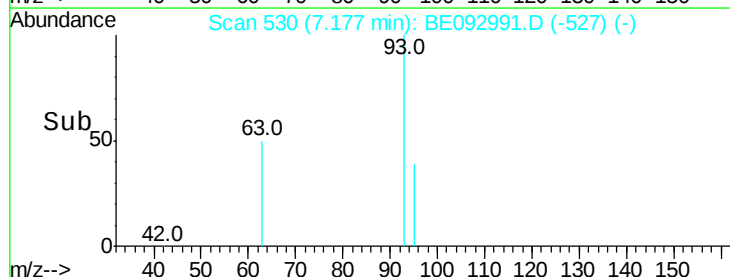
Abundance Ion 93.00 (92.70 to 93.70): BE0

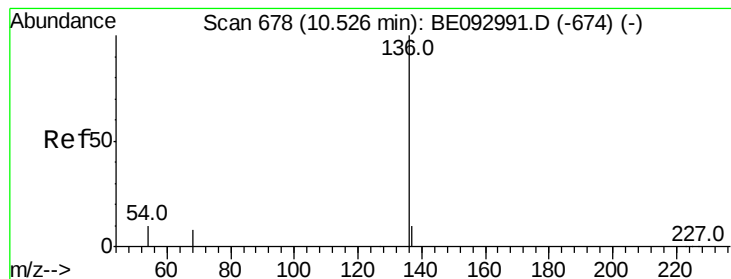
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.10 7.15 7.20 7.25





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tot Ion:136 Resp: 3212

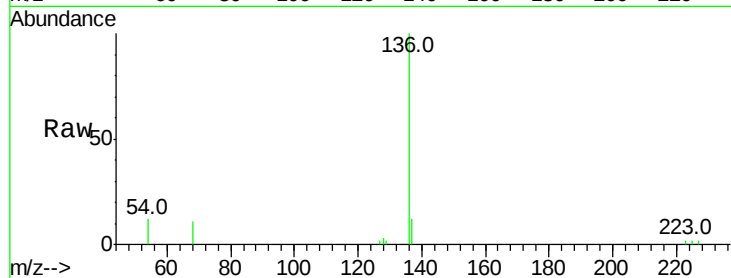
Ion Ratio Lower Upper

136 100

137 12.4 9.8 14.8

54 12.0 10.3 15.5

68 10.8 9.0 13.4

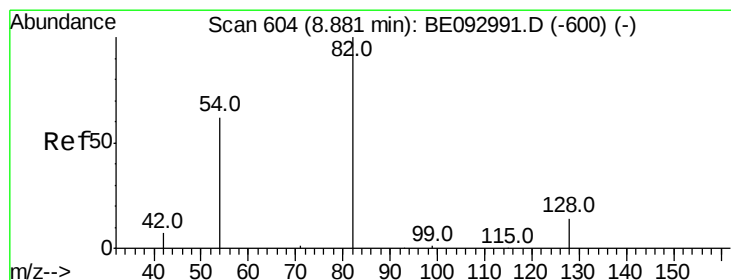
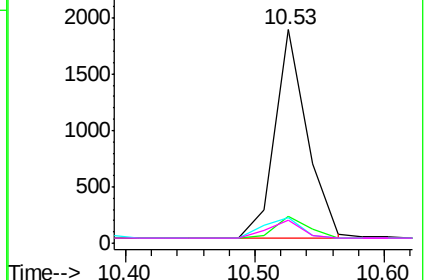
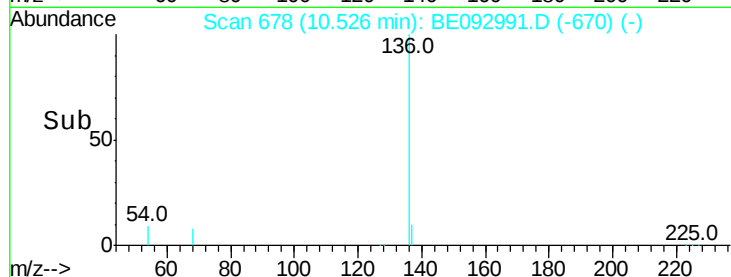


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.35 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

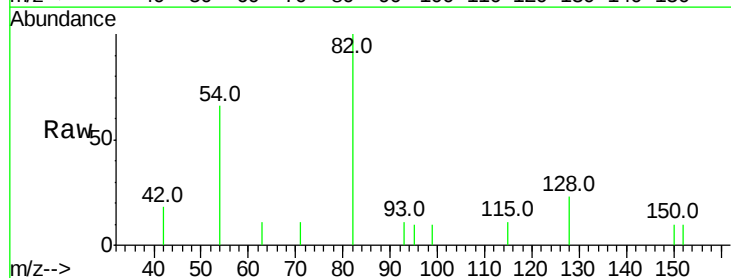
Tgt Ion: 82 Resp: 879

Ion Ratio Lower Upper

82 100

128 22.6 17.0 25.4

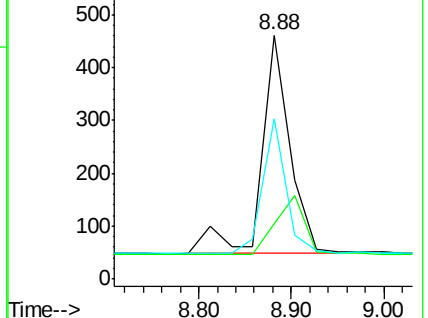
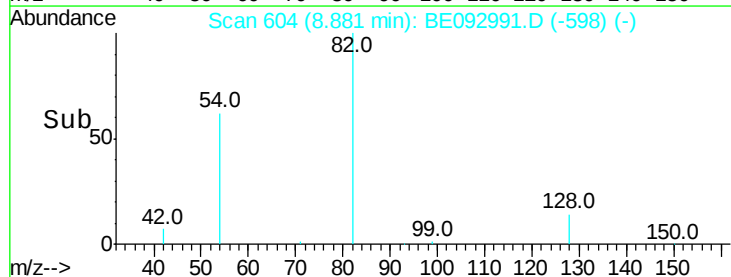
54 65.7 53.8 80.6

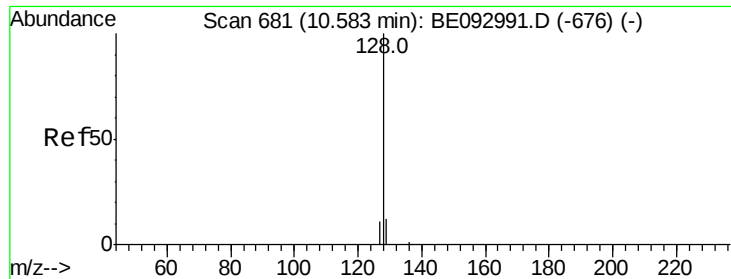


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.36 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

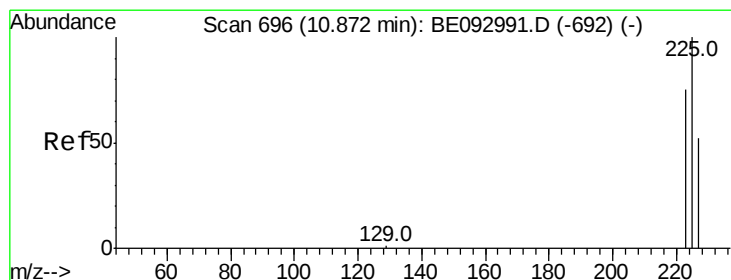
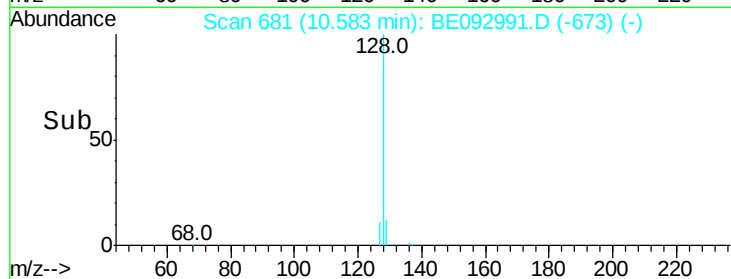
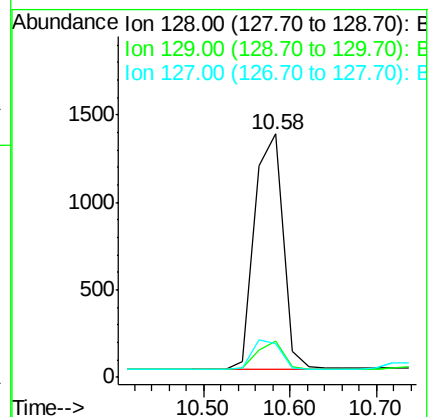
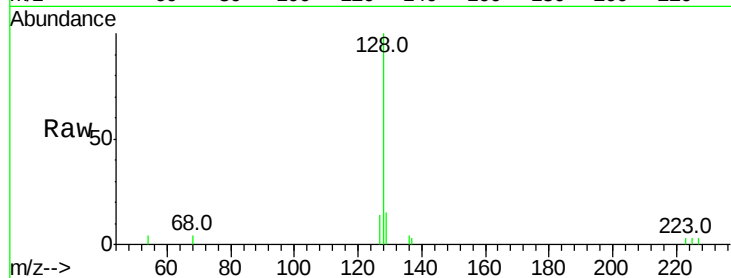
Tot Ion:128 Resp: 3099

Ion Ratio Lower Upper

128 100

129 14.7 11.4 17.0

127 13.9 11.2 16.8



#10

Hexachlorobutadiene

Concen: 0.36 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

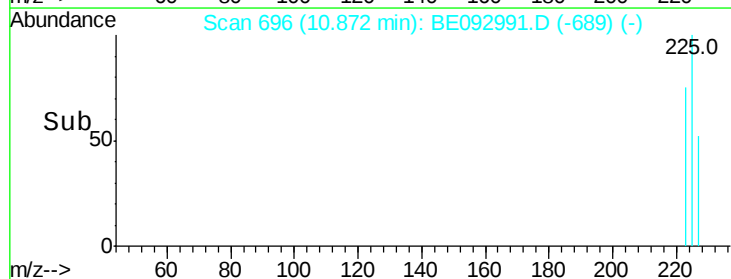
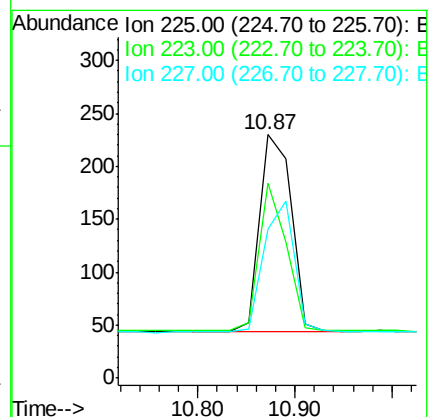
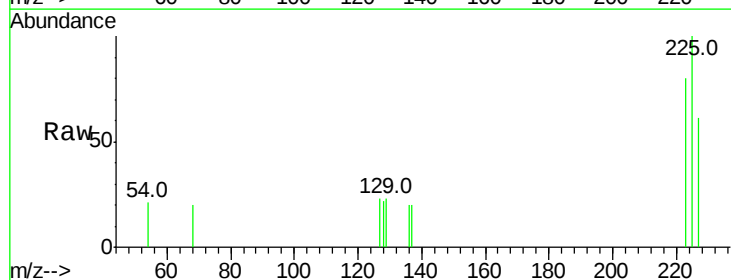
Tgt Ion:225 Resp: 421

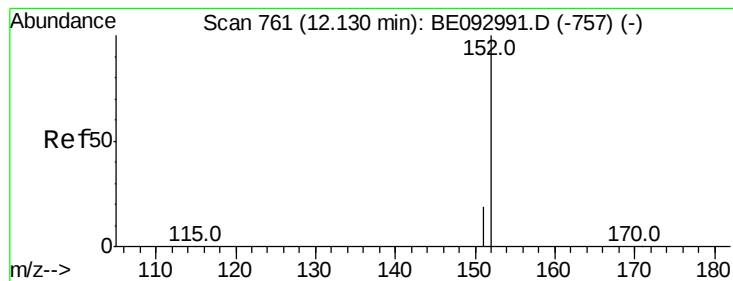
Ion Ratio Lower Upper

225 100

223 63.4 49.7 74.5

227 62.9 50.3 75.5

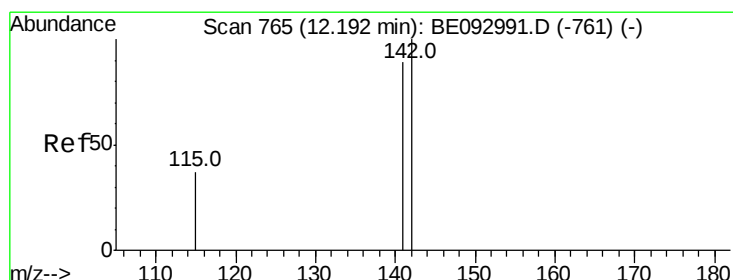
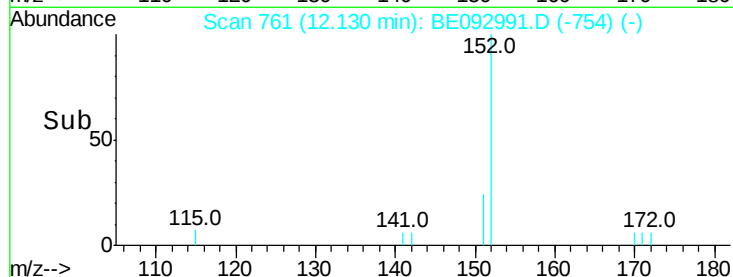
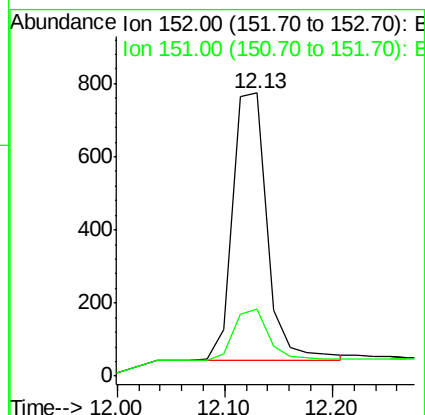
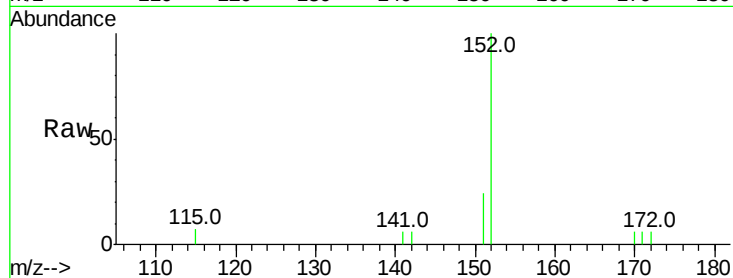




#11
 2-Methylnaphthalene-d10
 Concen: 0.36 ng
 RT: 12.13 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE092991.D
 Acq: 11 May 2017 11:58

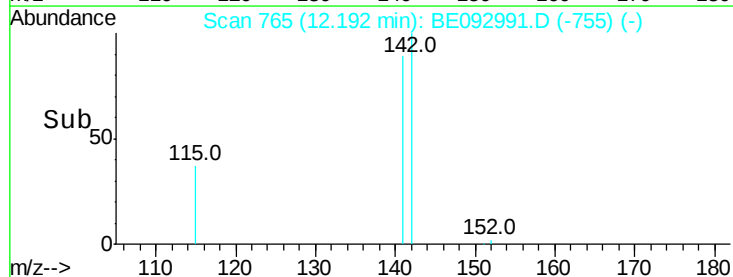
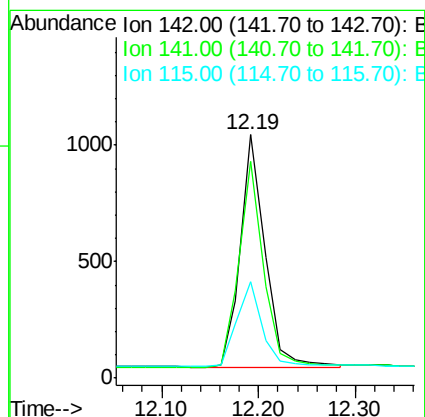
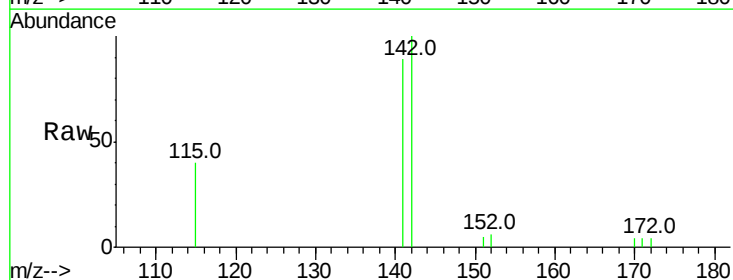
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

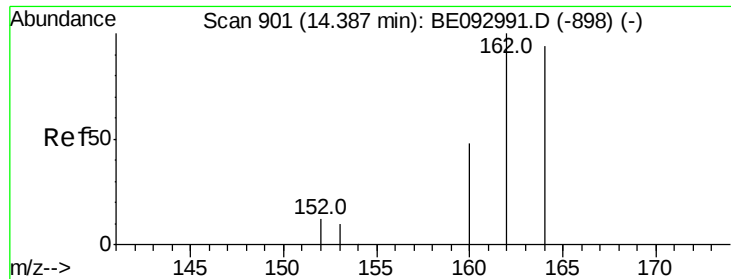
Tot Ion:152 Resp: 1615
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.1 22.7



#12
 2-Methylnaphthalene
 Concen: 0.36 ng
 RT: 12.19 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE092991.D
 Acq: 11 May 2017 11:58

Tgt Ion:142 Resp: 1765
 Ion Ratio Lower Upper
 142 100
 141 89.0 72.6 108.8
 115 39.7 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

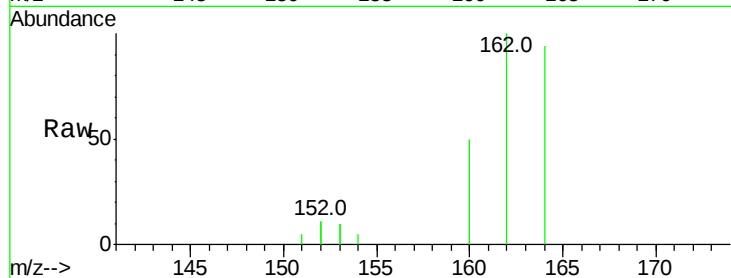
Tot Ion:164 Resp: 1562

Ion Ratio Lower Upper

164 100

162 106.1 84.6 127.0

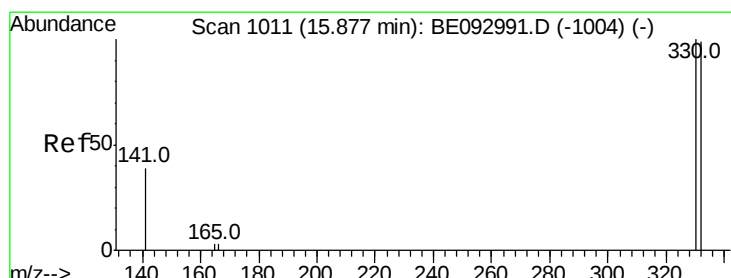
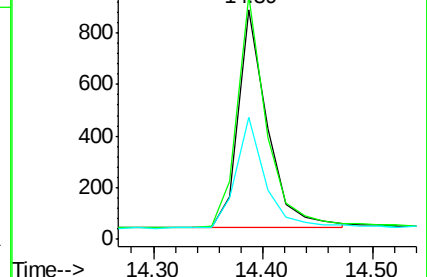
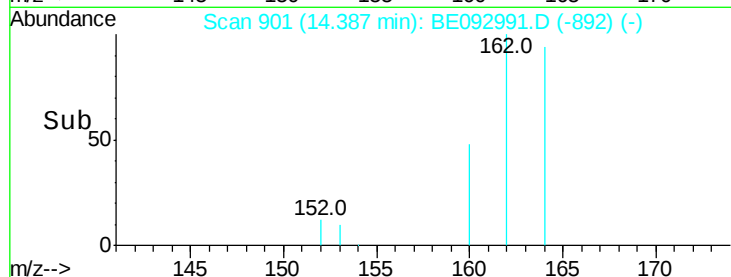
160 53.2 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.34 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

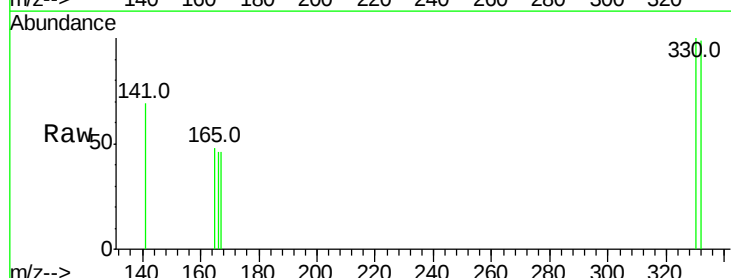
Tgt Ion:330 Resp: 138

Ion Ratio Lower Upper

330 100

332 99.3 77.7 116.5

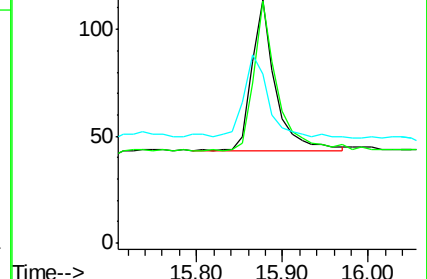
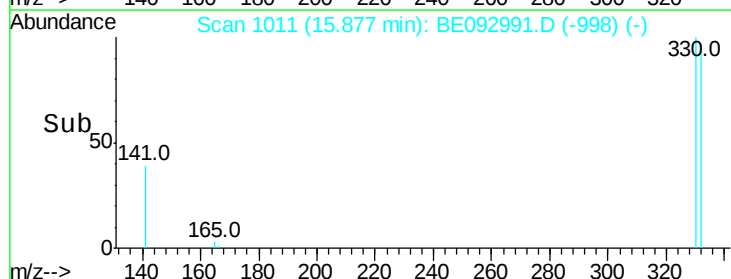
141 58.7 56.2 84.4

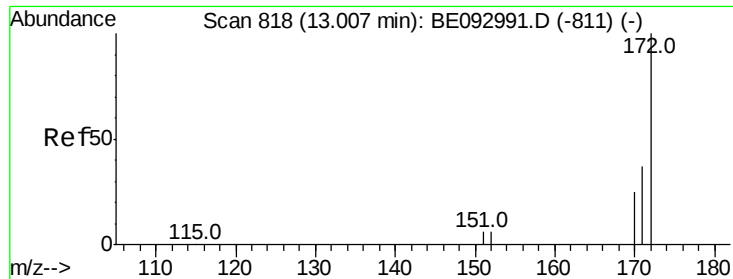


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

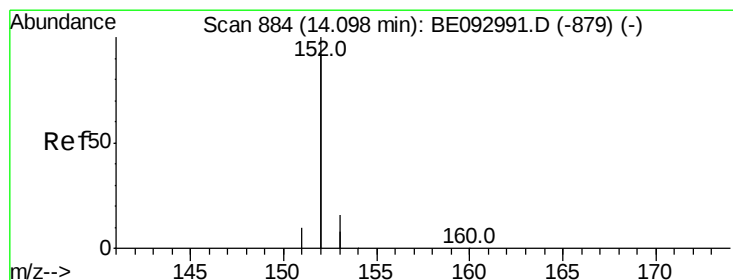
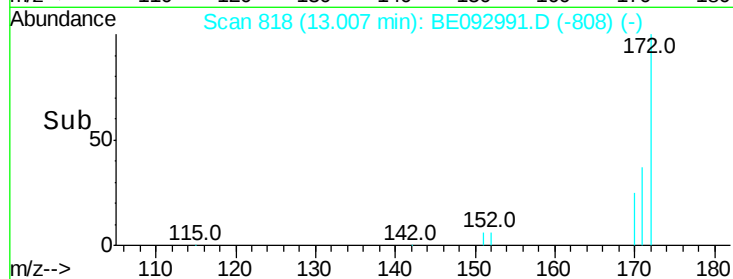
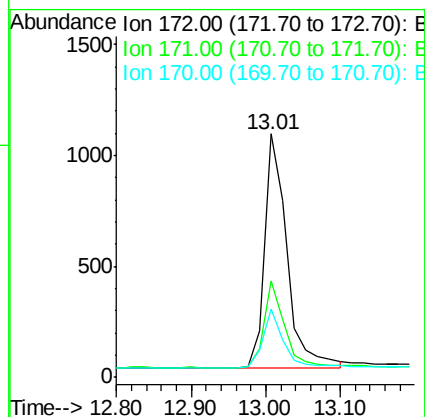
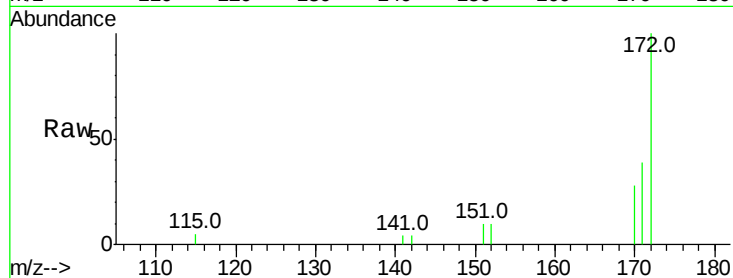




#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092991.D
Acq: 11 May 2017 11:58

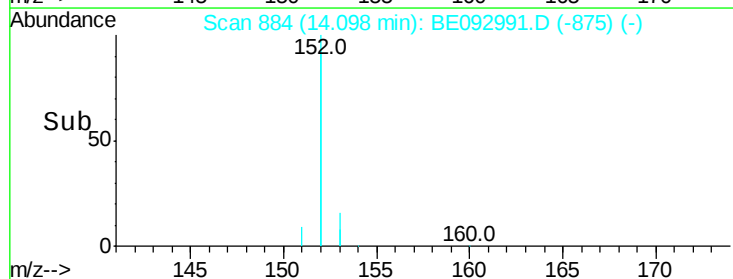
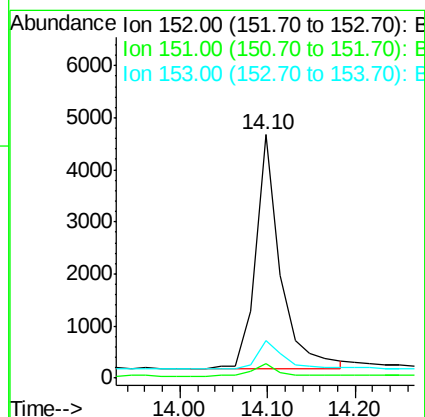
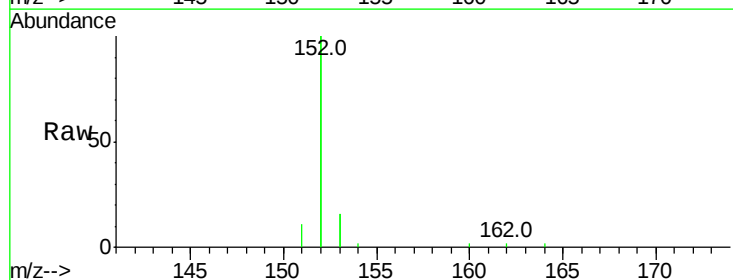
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

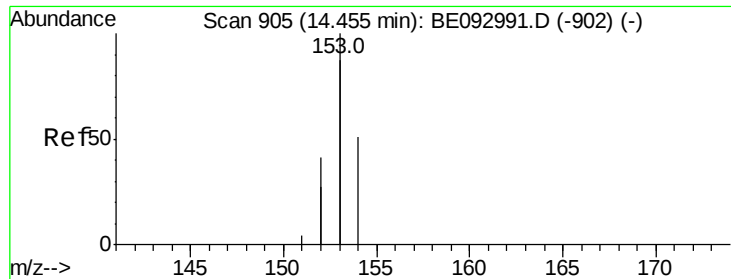
Tot Ion:172 Resp: 2177
Ion Ratio Lower Upper
172 100
171 39.4 29.8 44.6
170 28.2 20.7 31.1



#16
Acenaphthylene
Concen: 0.34 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092991.D
Acq: 11 May 2017 11:58

Tgt Ion:152 Resp: 8779
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 12.9 10.3 15.5

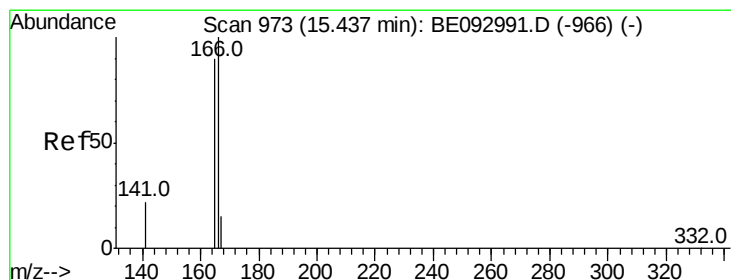
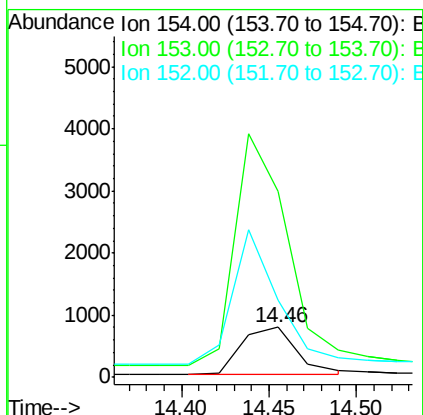
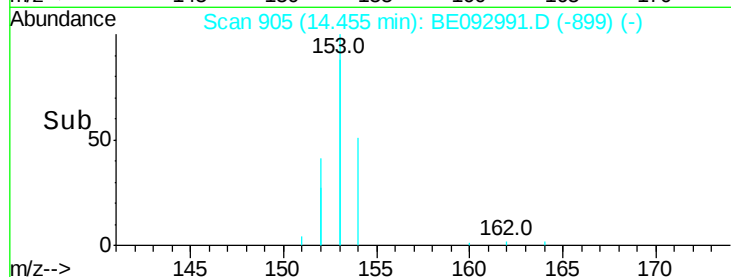
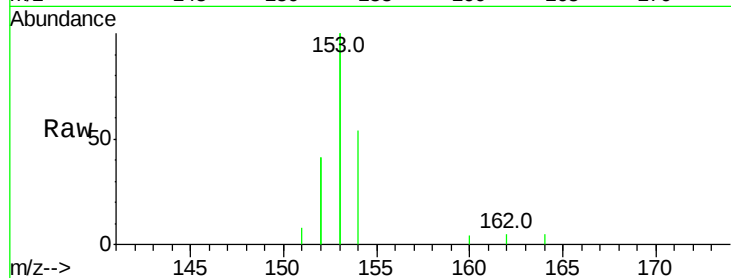




#17
Acenaphthene
Concen: 0.35 ng
RT: 14.46 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE092991.D
Acq: 11 May 2017 11:58

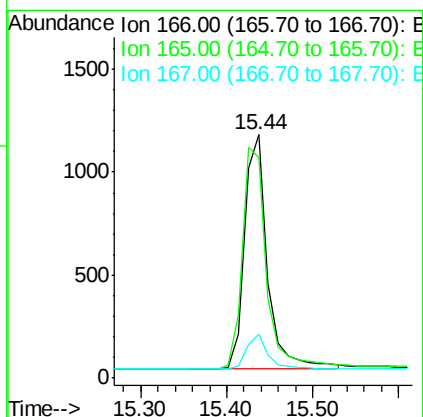
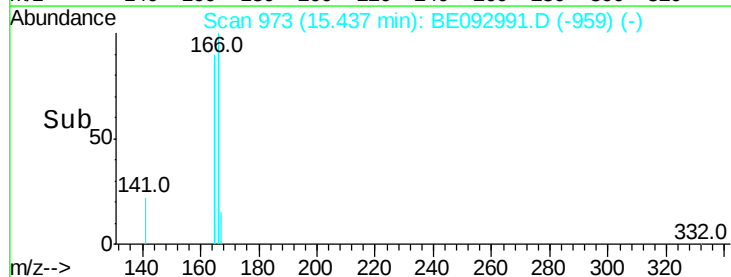
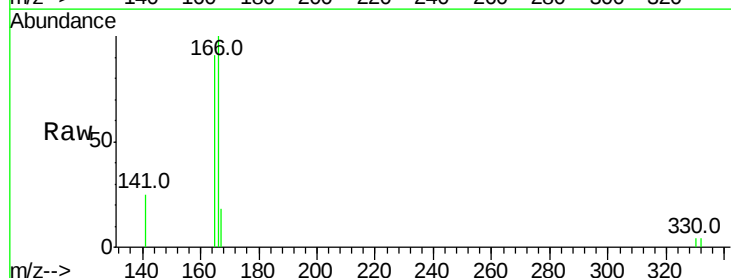
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

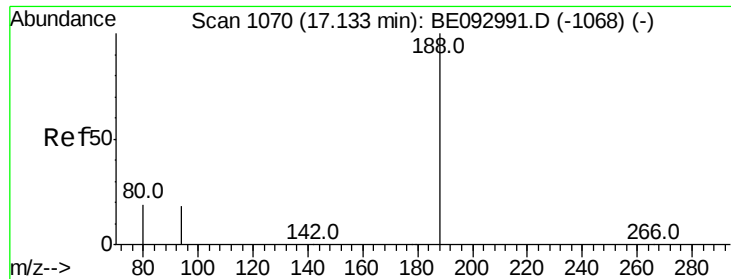
Tot Ion:154 Resp: 1685
Ion Ratio Lower Upper
154 100
153 464.8 367.8 551.6
152 233.8 188.2 282.2



#18
Fluorene
Concen: 0.35 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE092991.D
Acq: 11 May 2017 11:58

Tgt Ion:166 Resp: 2114
Ion Ratio Lower Upper
166 100
165 99.1 78.6 117.8
167 13.8 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: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

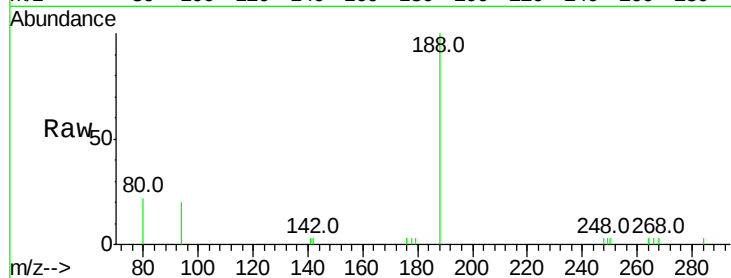
Tot Ion:188 Resp: 3773

Ion Ratio Lower Upper

188 100

94 20.2 11.3 16.9#

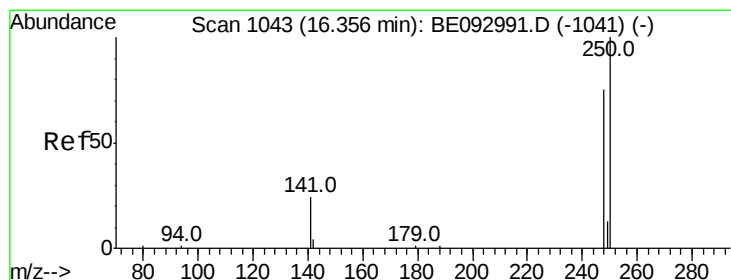
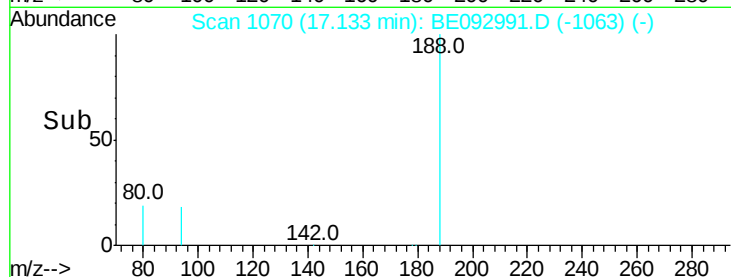
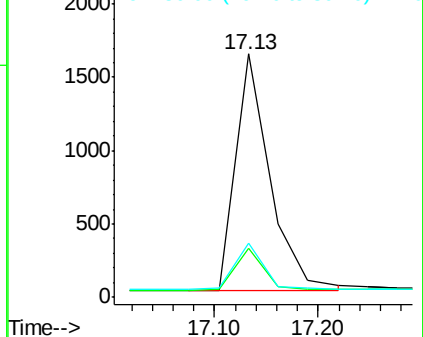
80 22.1 11.7 17.5#



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



#20

4-Bromophenyl-phenylether

Concen: 0.35 ng

RT: 16.36 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

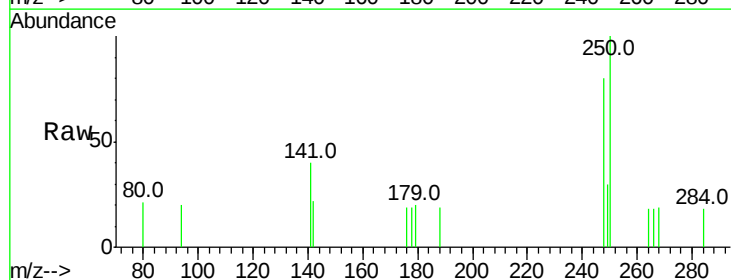
Tgt Ion:248 Resp: 426

Ion Ratio Lower Upper

248 100

250 125.8 100.0 150.0

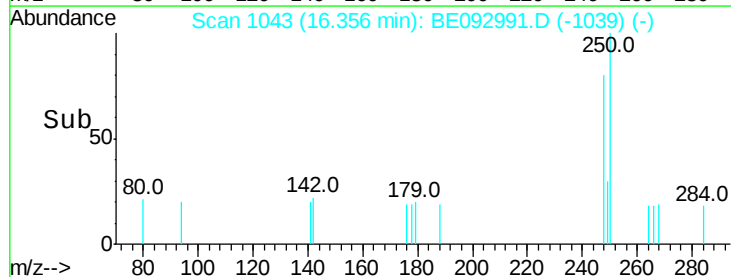
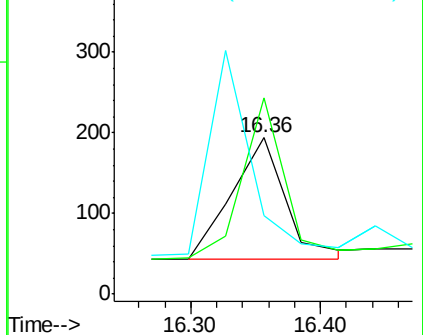
141 50.0 40.0 60.0

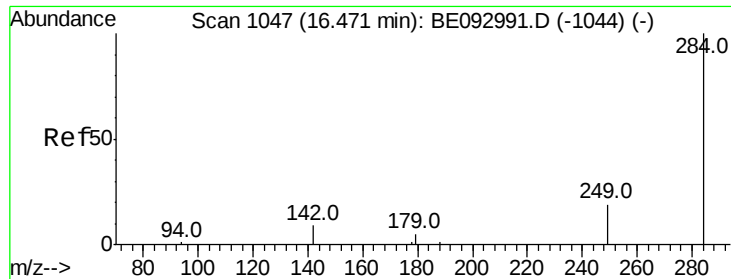


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.35 ng

RT: 16.47 min Scan# 1047

Delta R.T. 0.01 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

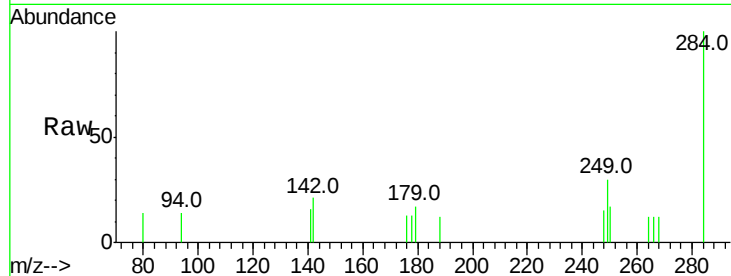
Tot Ion:284 Resp: 668

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

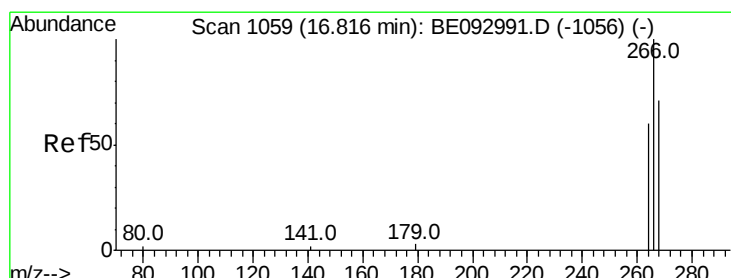
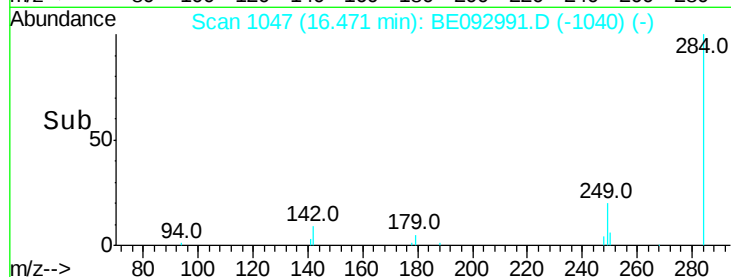
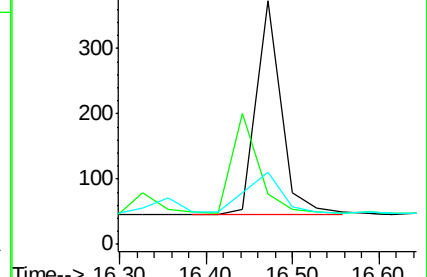
249 27.1 0.0 0.0#



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: 0.28 ng

RT: 16.82 min Scan# 1059

Delta R.T. 0.01 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

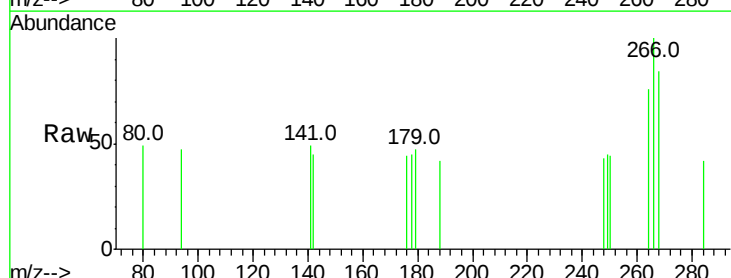
Tgt Ion:266 Resp: 157

Ion Ratio Lower Upper

266 100

264 75.7 58.2 87.2

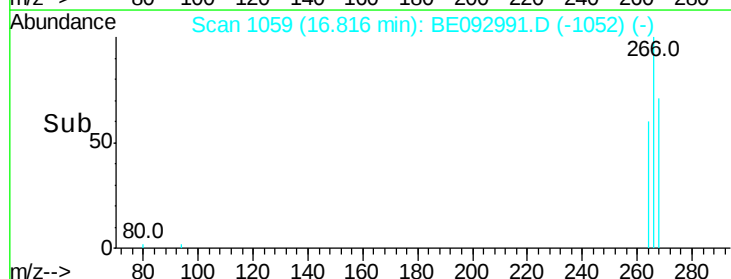
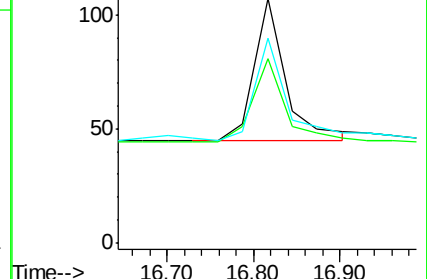
268 84.1 71.9 107.9

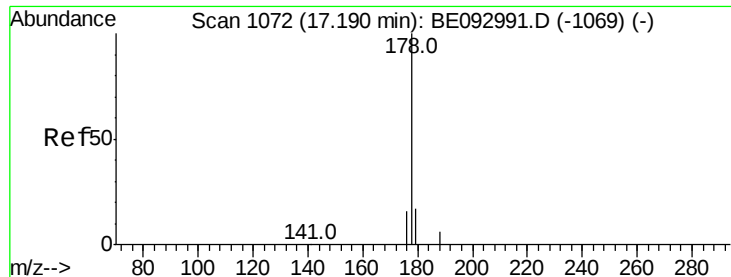


Abundance Ion 266.00 (265.70 to 266.70): E

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# 1072

Delta R.T. 0.01 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

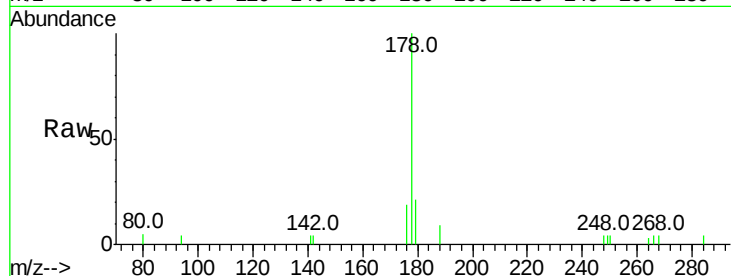
Tot Ion:178 Resp: 3088

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

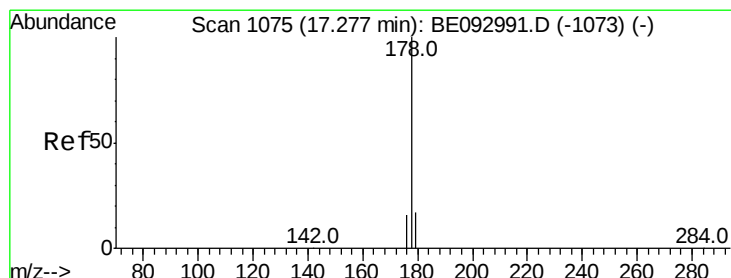
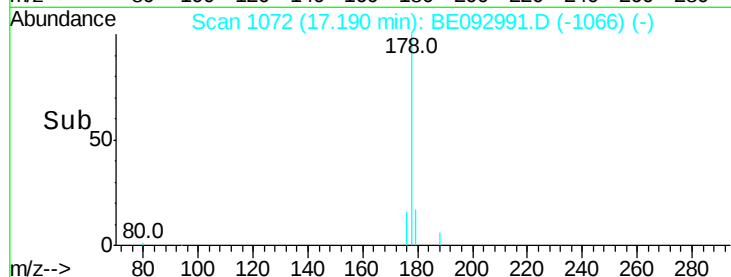
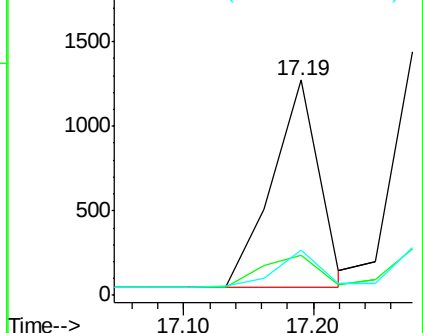
179 16.1 12.7 19.1



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: 0.36 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

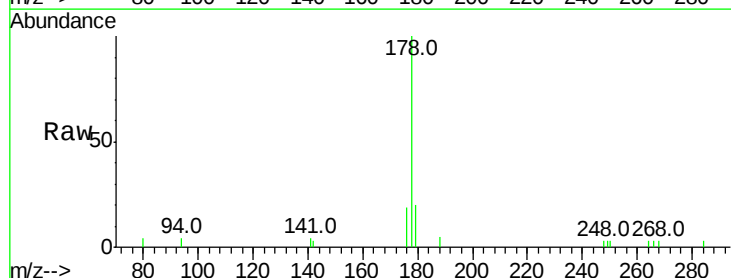
Tgt Ion:178 Resp: 2874

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

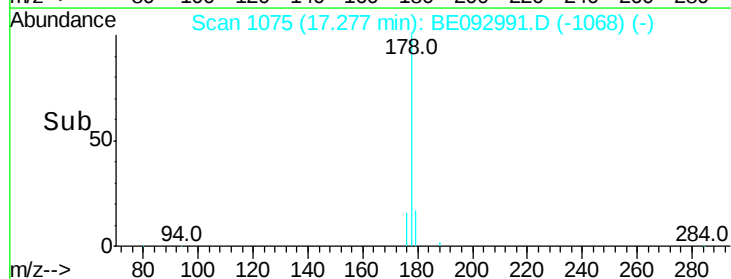
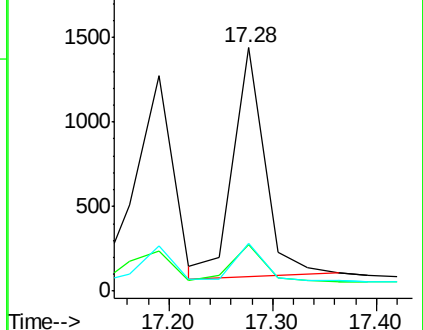
179 15.2 12.0 18.0

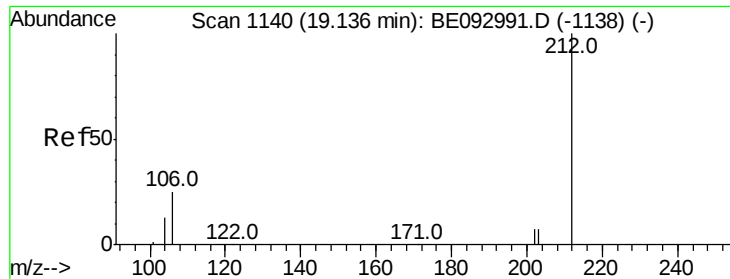


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.35 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

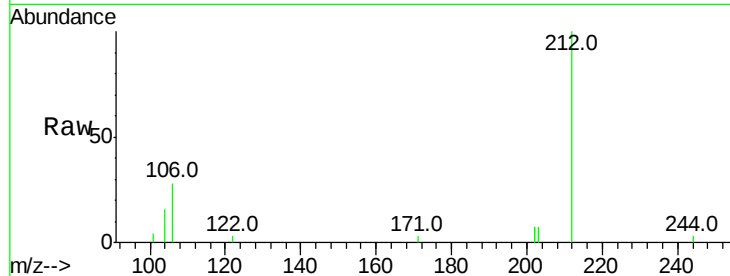
Tot Ion:212 Resp: 3556

Ion Ratio Lower Upper

212 100

106 17.4 0.0 0.0#

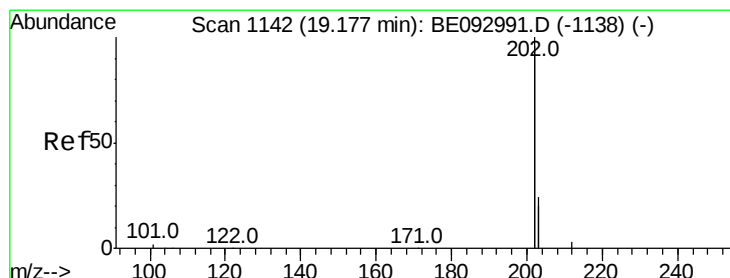
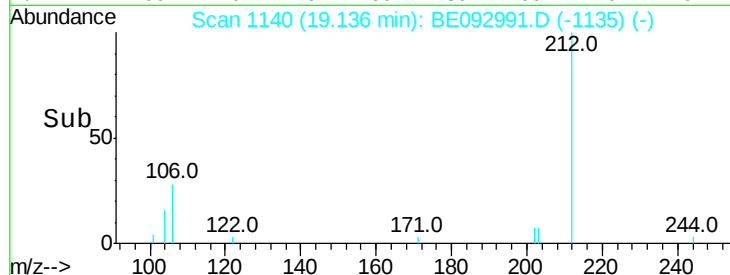
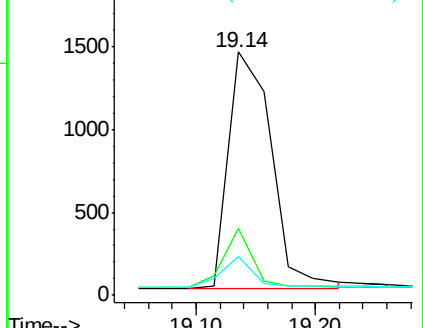
104 9.8 0.0 0.0#



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: 19.18 min Scan# 1142

Delta R.T. 0.01 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

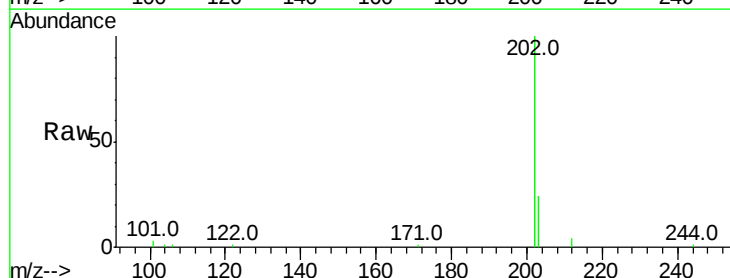
Tgt Ion:202 Resp: 17325

Ion Ratio Lower Upper

202 100

101 0.0 0.0 0.0

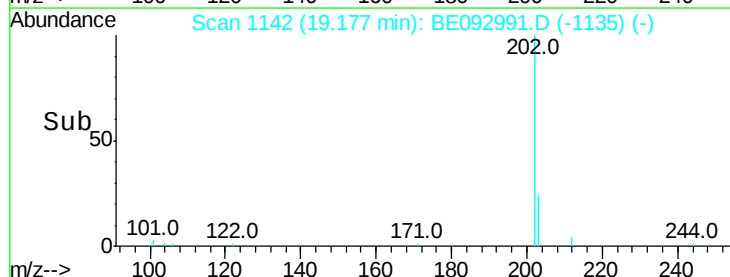
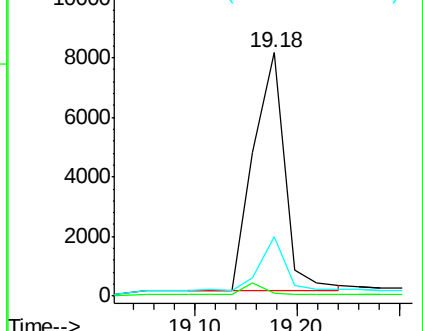
203 18.3 14.4 21.6

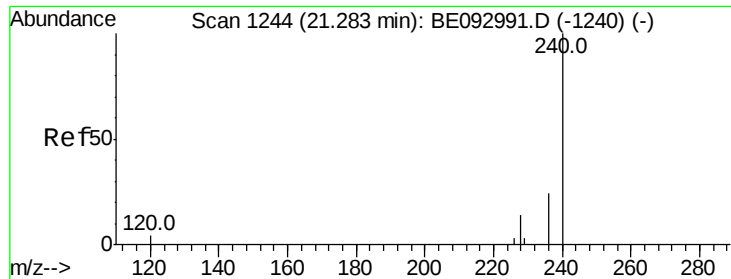


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

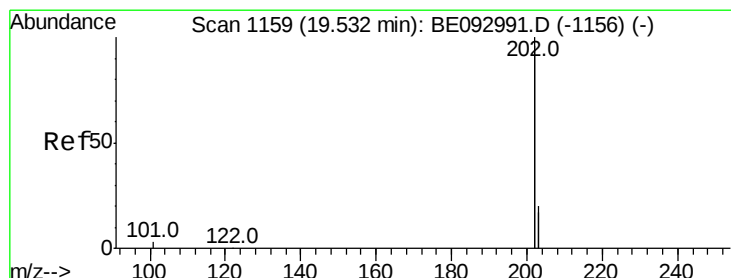
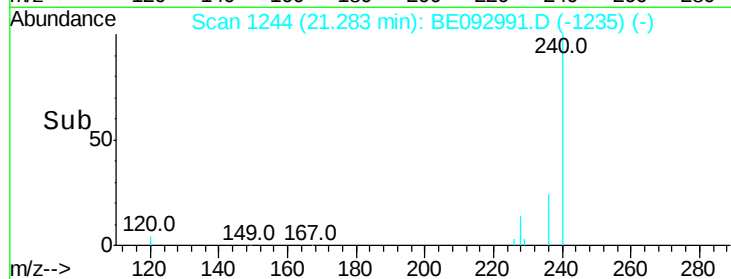
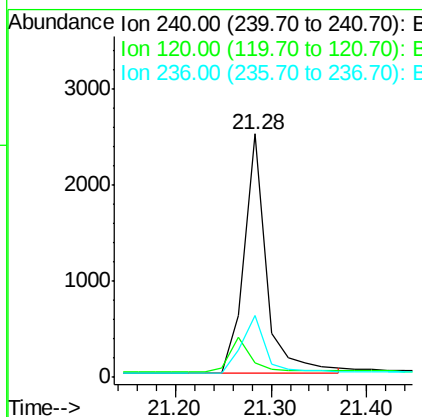
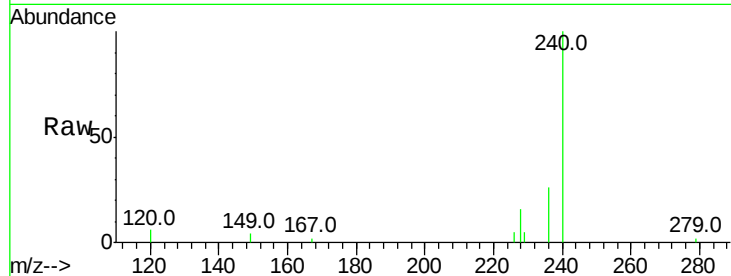




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE092991.D
Acq: 11 May 2017 11:58

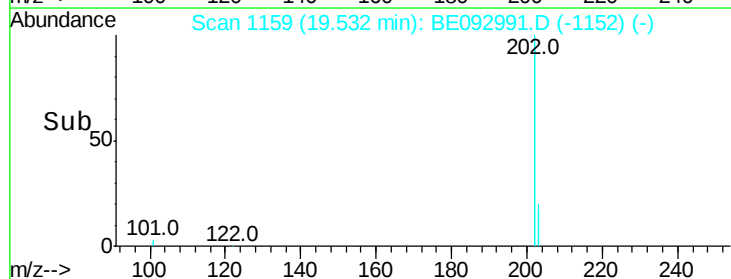
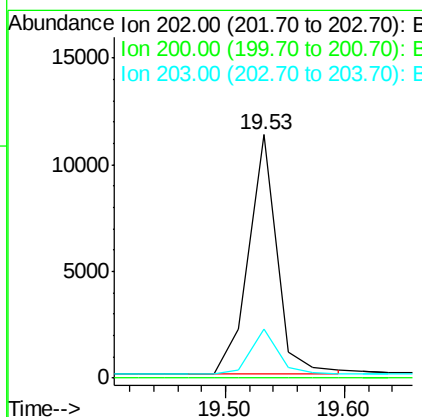
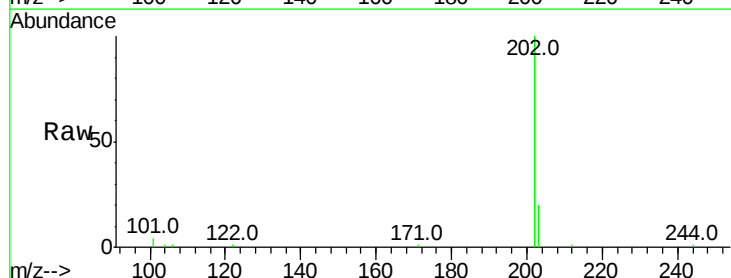
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

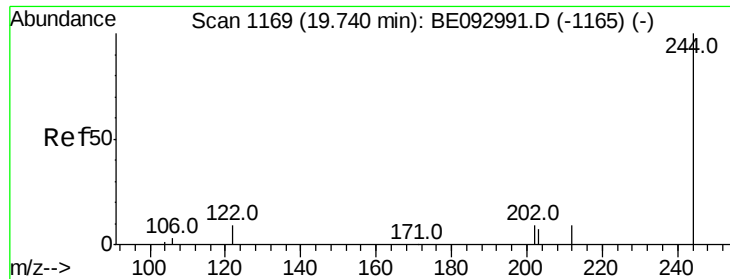
Tot Ion:240 Resp: 4031
Ion Ratio Lower Upper
240 100
120 6.0 4.6 7.0
236 25.6 20.8 31.2



#28
Pyrene
Concen: 0.36 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092991.D
Acq: 11 May 2017 11:58

Tgt Ion:202 Resp: 18462
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.1 13.7 20.5





#29

Terphenyl-d14

Concen: 0.34 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

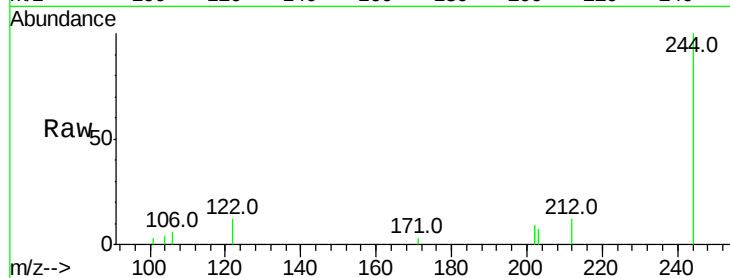
Tot Ion:244 Resp: 2405

Ion Ratio Lower Upper

244 100

212 12.0 10.6 16.0

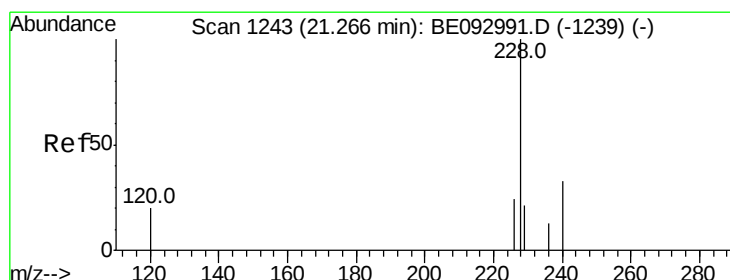
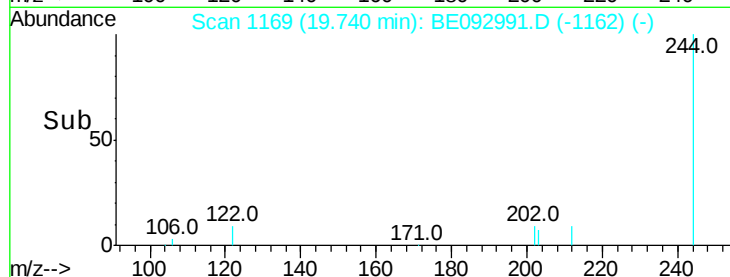
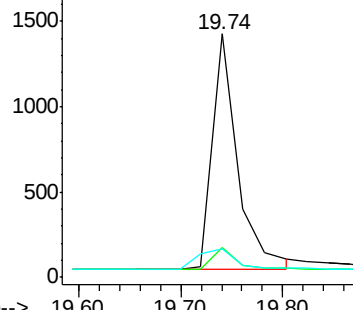
122 11.8 15.4 23.0#



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: 0.33 ng

RT: 21.27 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

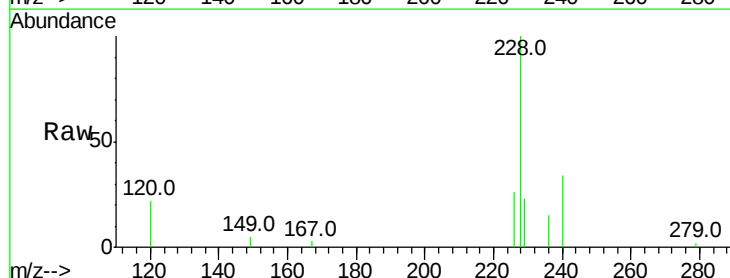
Tgt Ion:228 Resp: 3210

Ion Ratio Lower Upper

228 100

226 25.5 19.7 29.5

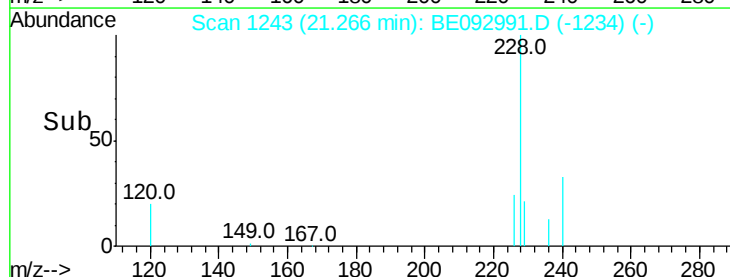
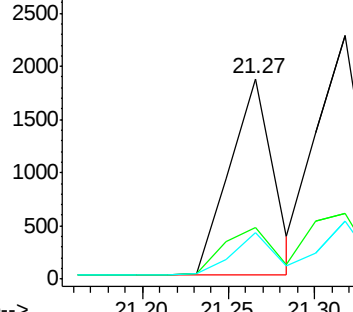
229 23.0 19.2 28.8

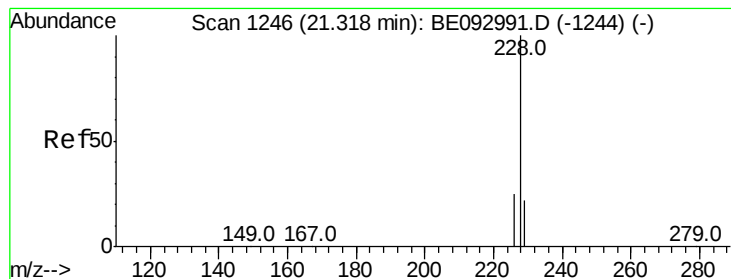


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.36 ng

RT: 21.32 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

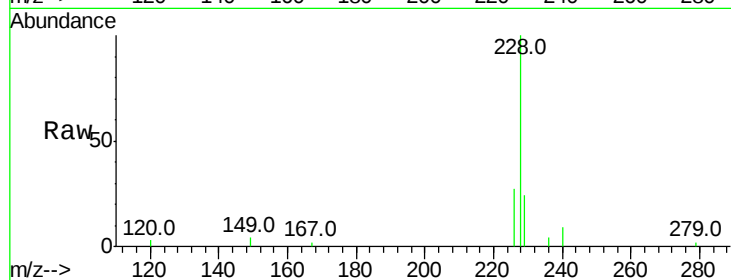
Tot Ion:228 Resp: 4472

Ion Ratio Lower Upper

228 100

226 26.7 21.5 32.3

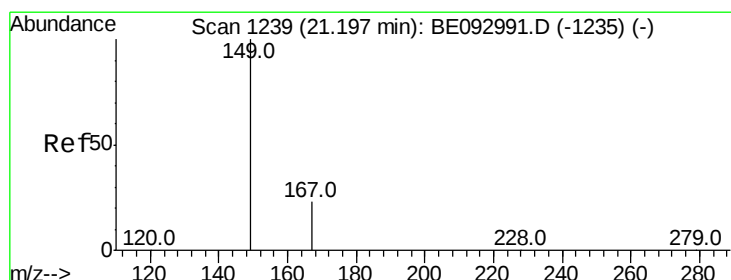
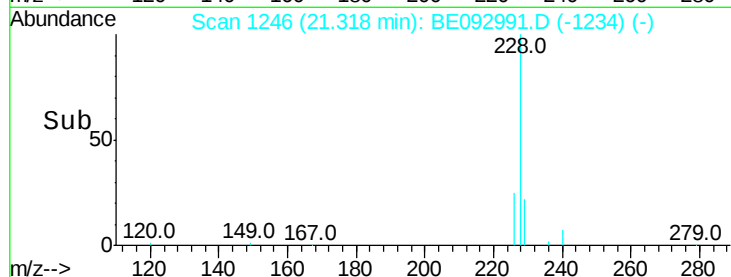
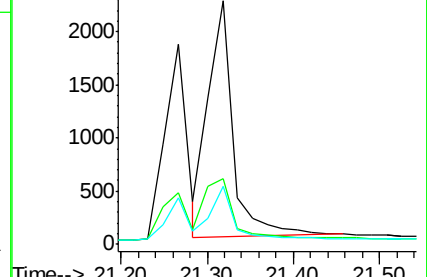
229 23.7 18.6 28.0



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: 0.30 ng

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

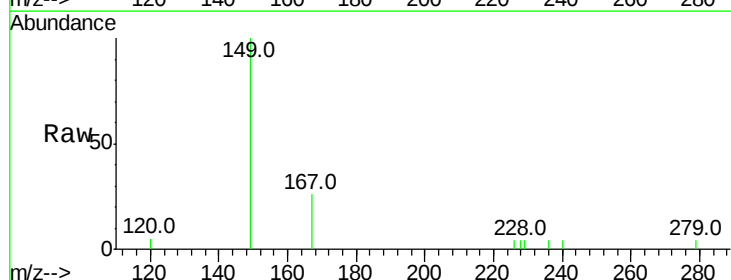
Tgt Ion:149 Resp: 1256

Ion Ratio Lower Upper

149 100

167 25.5 20.1 30.1

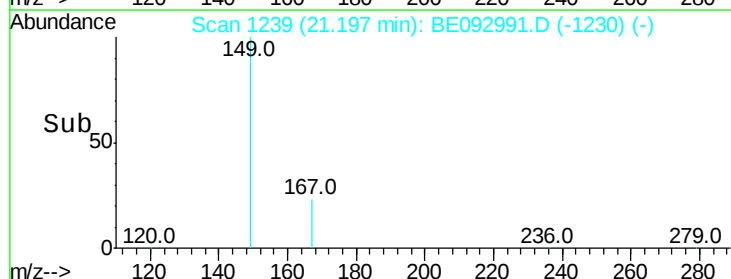
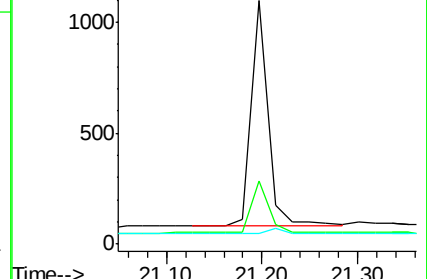
279 2.5 2.2 3.4

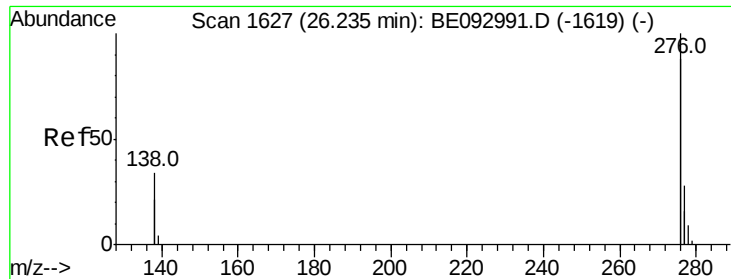


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.36 ng

RT: 26.24 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

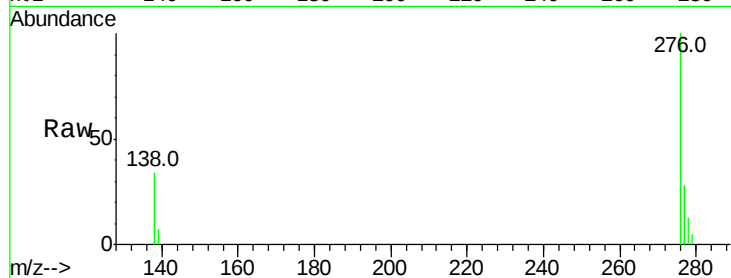
Tot Ion:276 Resp: 13967

Ion Ratio Lower Upper

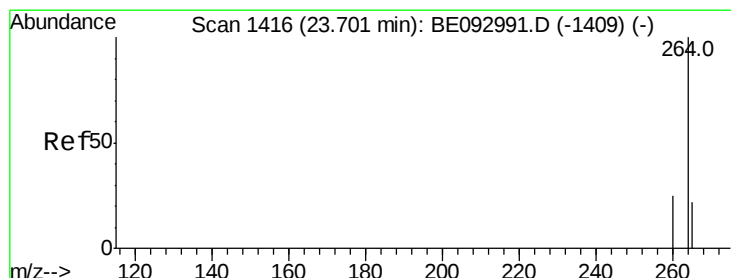
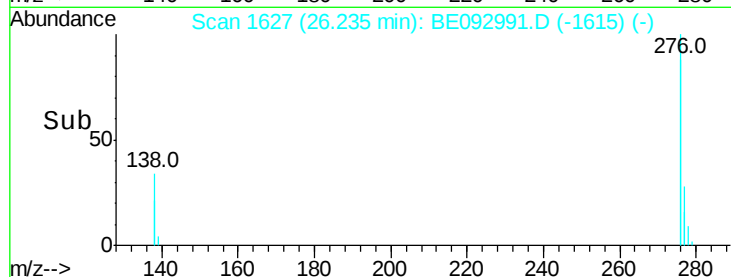
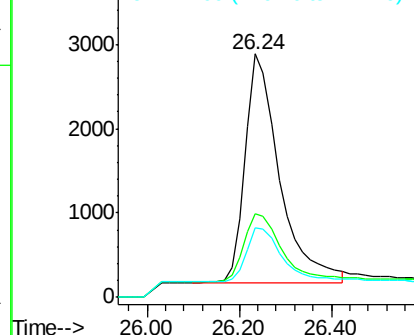
276 100

138 32.7 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: 23.70 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

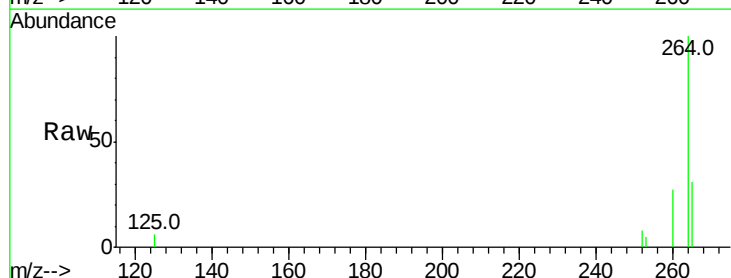
Tgt Ion:264 Resp: 3292

Ion Ratio Lower Upper

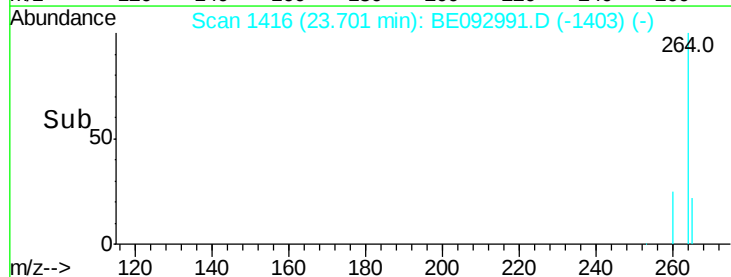
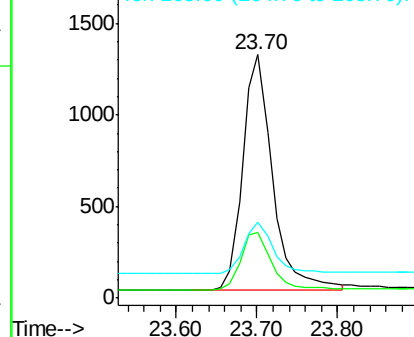
264 100

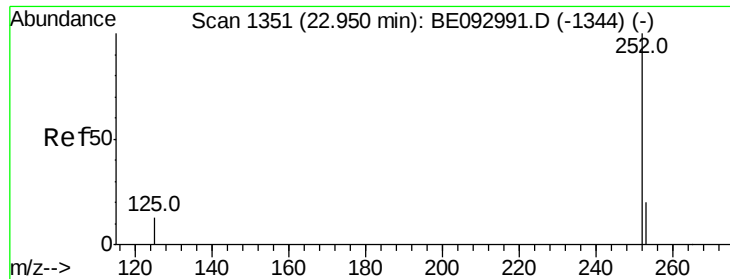
260 27.1 21.0 31.4

265 31.2 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: 0.37 ng

RT: 22.95 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

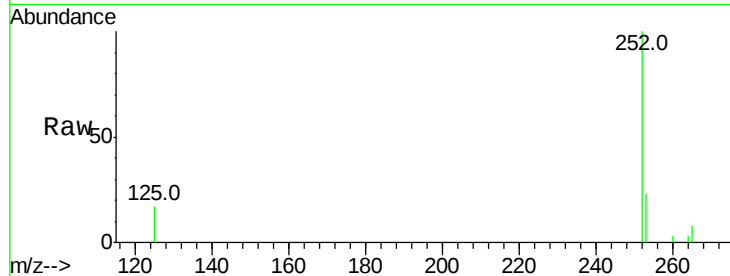
Tot Ion:252 Resp: 3916

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

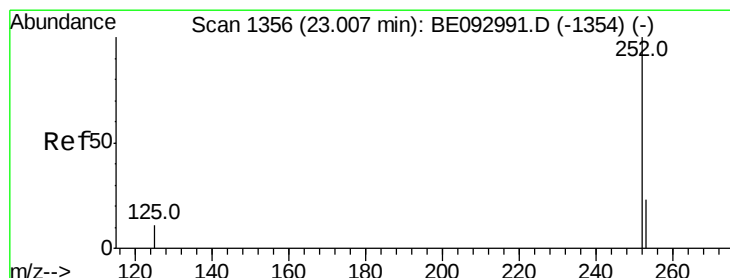
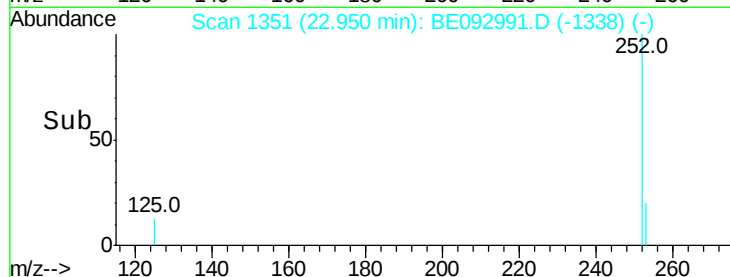
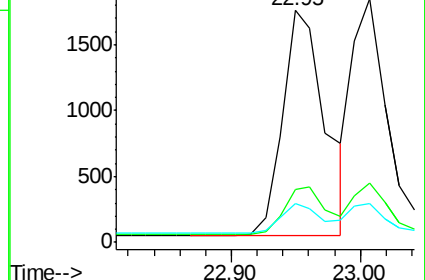
125 16.9 13.4 20.0



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: 0.33 ng

RT: 23.01 min Scan# 1356

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

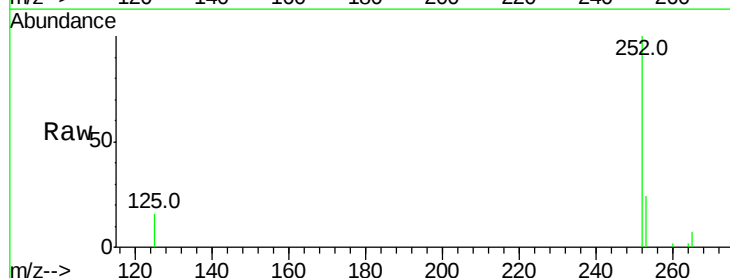
Tgt Ion:252 Resp: 3421

Ion Ratio Lower Upper

252 100

253 24.3 20.3 30.5

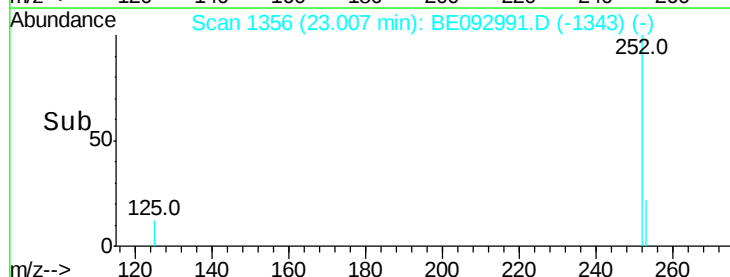
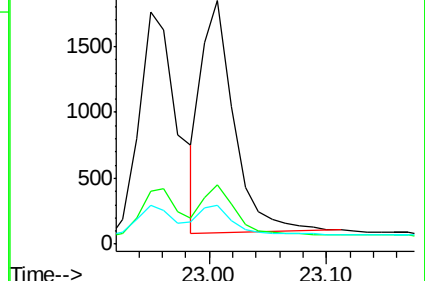
125 15.7 12.2 18.4

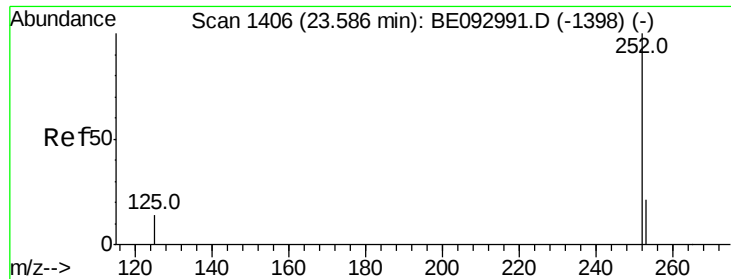


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.59 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

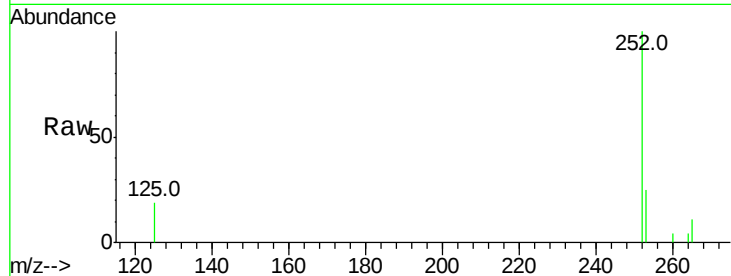
Tot Ion:252 Resp: 3127

Ion Ratio Lower Upper

252 100

253 25.1 19.9 29.9

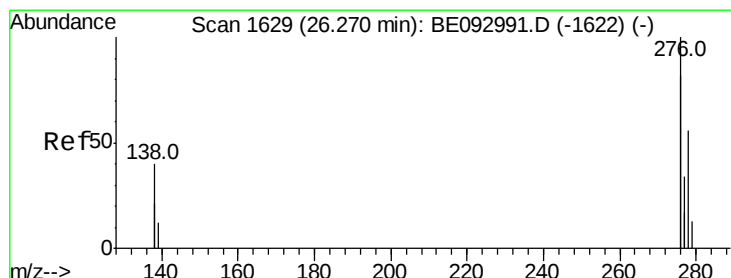
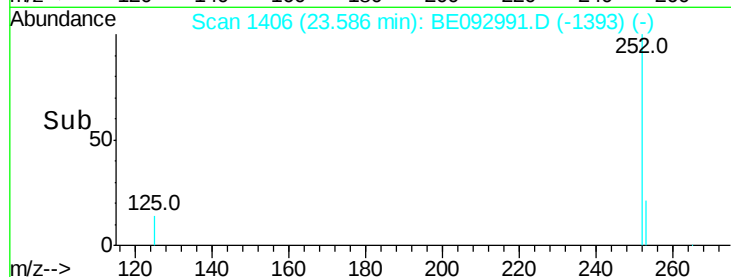
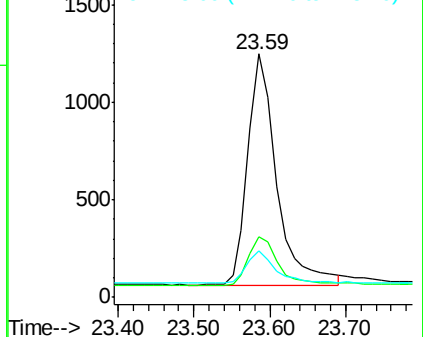
125 19.2 14.6 21.8



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: 26.27 min Scan# 1629

Delta R.T. 0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

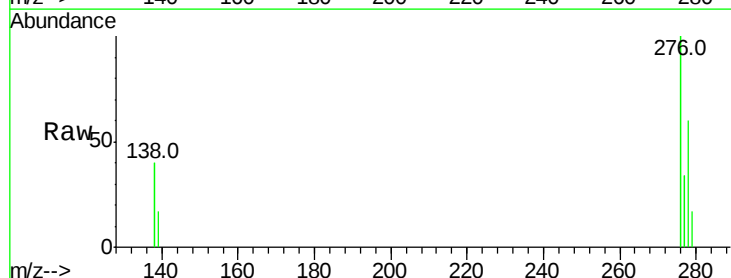
Tgt Ion:278 Resp: 2843

Ion Ratio Lower Upper

278 100

139 27.5 21.4 32.0

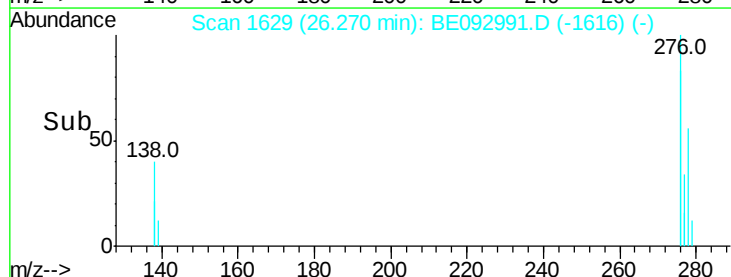
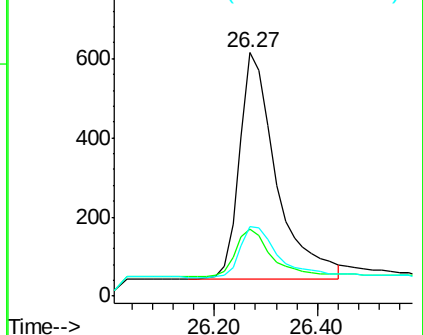
279 28.6 22.2 33.2

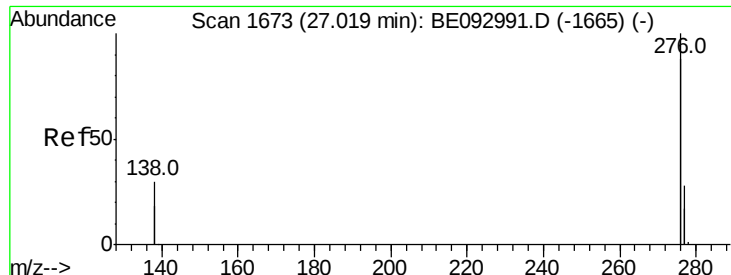


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.37 ng

RT: 27.02 min Scan# 1673

Delta R.T. 0.02 min

Lab File: BE092991.D

Acq: 11 May 2017 11:58

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

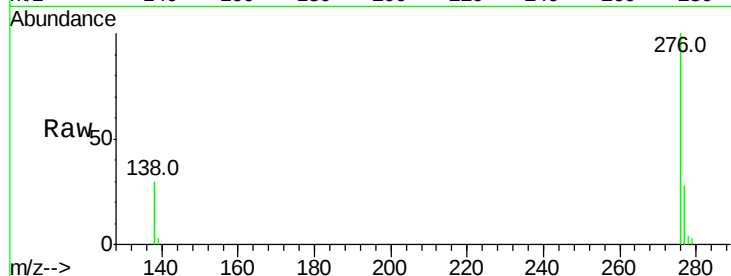
Tot Ion:276 Resp: 13810

Ion Ratio Lower Upper

276 100

277 28.3 21.2 31.8

138 29.8 24.5 36.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

