

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051117\
 Data File : BE093004.D
 Acq On : 11 May 2017 20:01
 Operator : SJ/MA
 Sample : I3058-10MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 12 01:24:34 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 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	898	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3434	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1554	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4328	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4696	0.40	ng	0.00
34) Perylene-d12	23.69	264	3833	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	590	0.24	ng	0.00
5) Phenol-d6	6.92	99	528	0.17	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1194	0.44	ng	-0.02
11) 2-Methylnaphthalene-d10	12.11	152	2371	0.49	ng	-0.02
14) 2,4,6-Tribromophenol	15.87	330	162	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	3114	0.51	ng	0.00
25) Fluoranthene-d10	19.14	212	4098	0.36	ng	-0.02
29) Terphenyl-d14	19.74	244	4303	0.52	ng	0.00

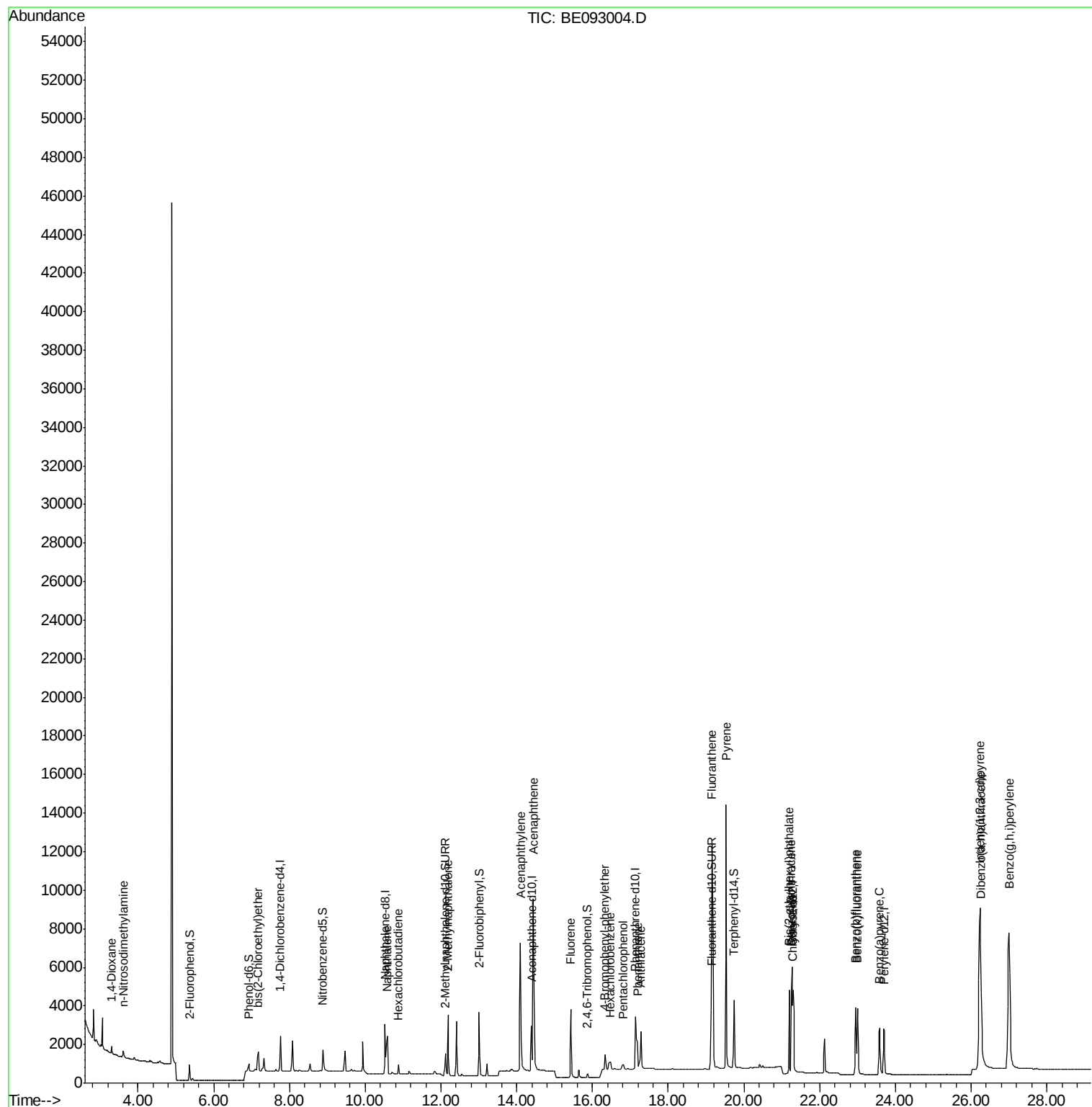
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	215	0.12	ng	# 32
3) n-Nitrosodimethylamine	3.61	42	247	0.16	ng	# 94
6) bis(2-Chloroethyl)ether	7.18	93	1143	0.38	ng	# 99
9) Naphthalene	10.58	128	3523	0.39	ng	99
10) Hexachlorobutadiene	10.87	225	470	0.37	ng	98
12) 2-Methylnaphthalene	12.19	142	2276	0.42	ng	97
16) Acenaphthylene	14.10	152	10703	0.41	ng	100
17) Acenaphthene	14.44	154	1990	0.41	ng	91
18) Fluorene	15.43	166	2396	0.40	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	508	0.37	ng	# 1
21) Hexachlorobenzene	16.47	284	620	0.26	ng	# 100
22) Pentachlorophenol	16.82	266	411	0.82	ng	93
23) Phenanthrene	17.19	178	3494	0.35	ng	# 77
24) Anthracene	17.28	178	3254	0.36	ng	97
26) Fluoranthene	19.16	202	20210	0.36	ng	# 59
28) Pyrene	19.53	202	20686	0.35	ng	# 96
30) Benzo(a)anthracene	21.25	228	5167	0.45	ng	# 84
31) Chrysene	21.30	228	5294	0.37	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.20	149	4084	0.81	ng	99
33) Indeno(1,2,3-cd)pyrene	26.23	276	20756	0.45	ng	99
35) Benzo(b)fluoranthene	22.95	252	4967	0.40	ng	99
36) Benzo(k)fluoranthene	23.00	252	4984	0.40	ng	96
37) Benzo(a)pyrene	23.59	252	4297	0.40	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	4216	0.43	ng	98
39) Benzo(g,h,i)perylene	27.00	276	18006	0.41	ng	99

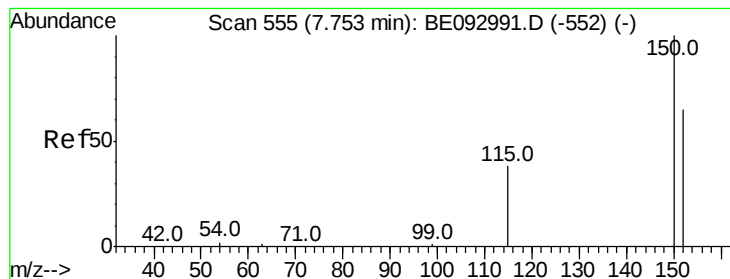
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

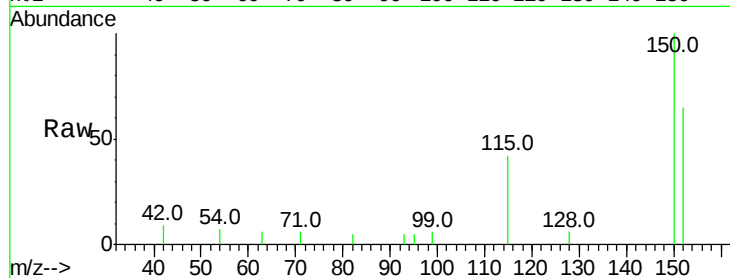
Tot Ion:152 Resp: 898

Ion Ratio Lower Upper

152 100

150 153.9 125.1 187.7

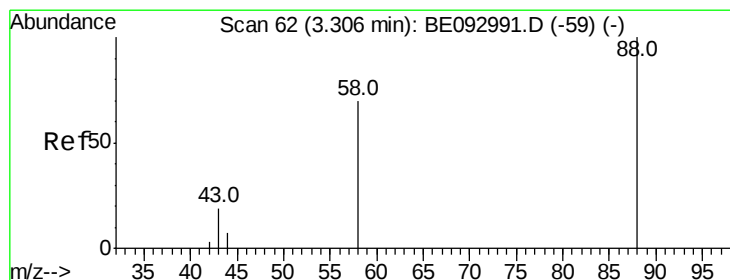
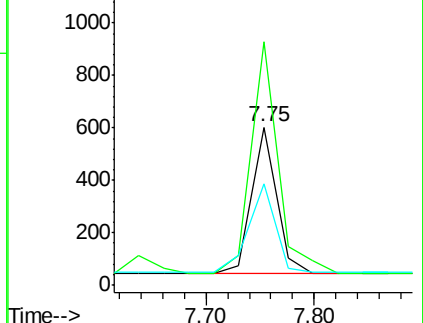
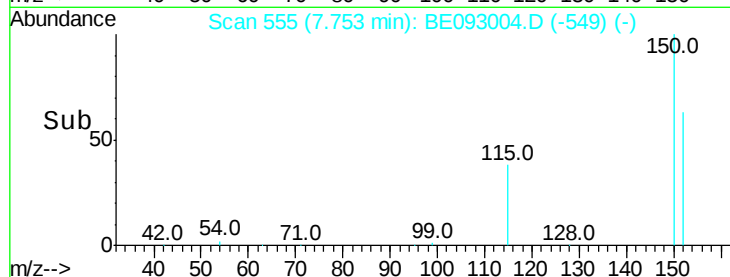
115 64.3 55.7 83.5



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: 0.12 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

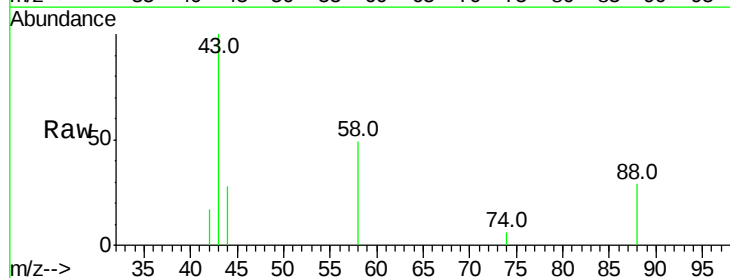
Tgt Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

58 113.0 62.2 93.4#

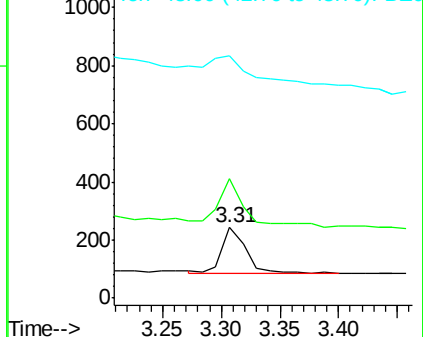
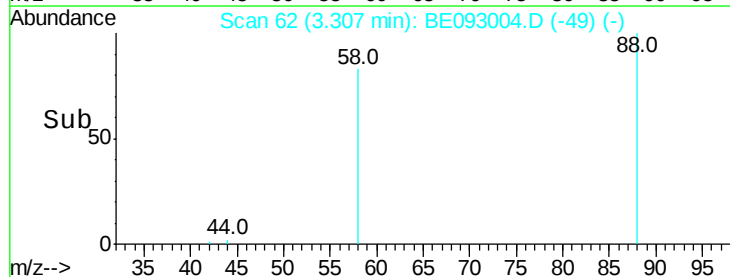
43 104.7 23.2 34.8#

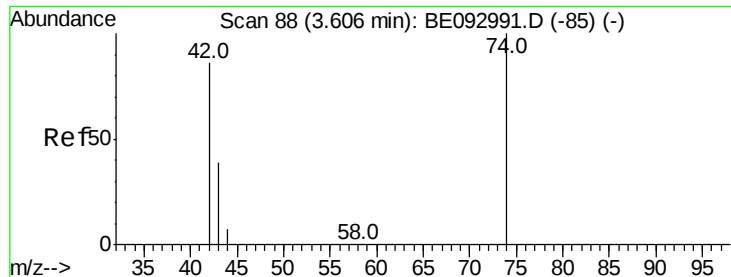


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.16 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampled :

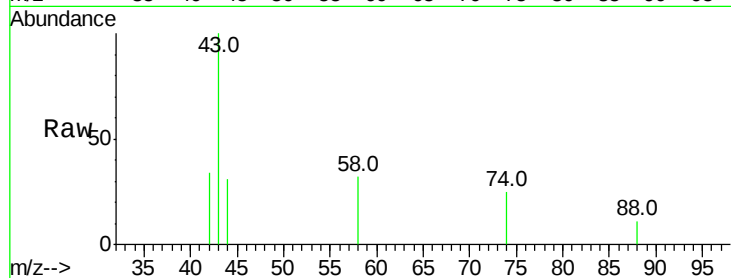
Tot Ion: 42 Resp: 247

Ion Ratio Lower Upper

42 100

74 119.0 99.1 148.7

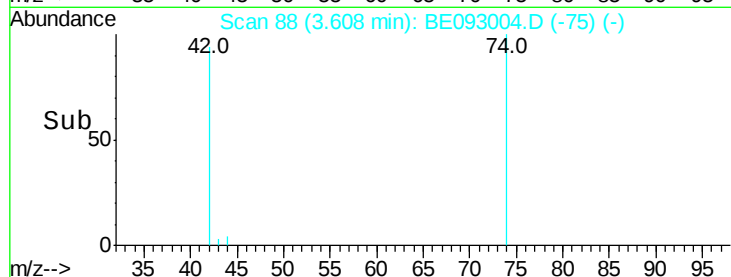
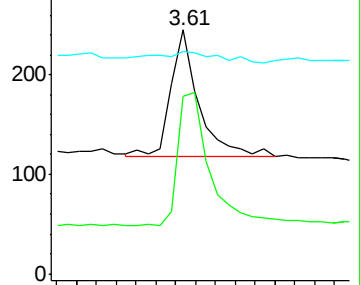
44 19.4 7.4 11.2#



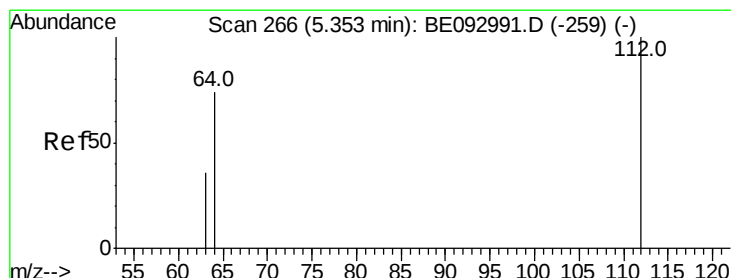
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.24 ng

RT: 5.36 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

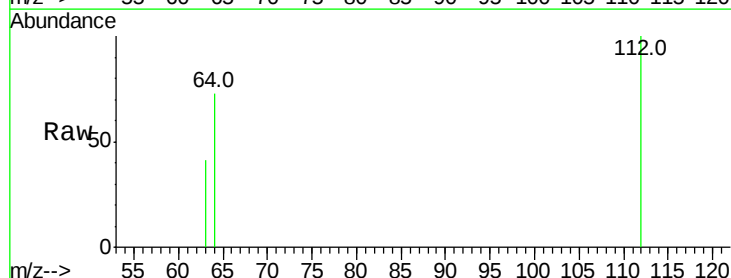
Tgt Ion: 112 Resp: 590

Ion Ratio Lower Upper

112 100

64 71.0 56.4 84.6

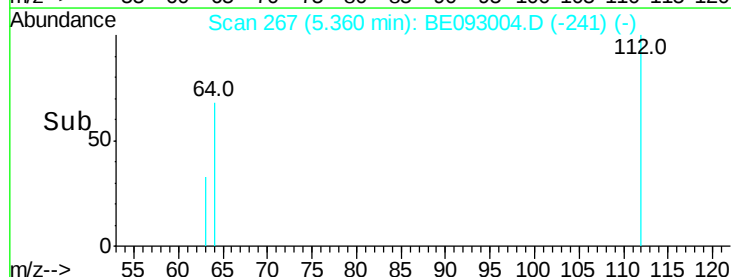
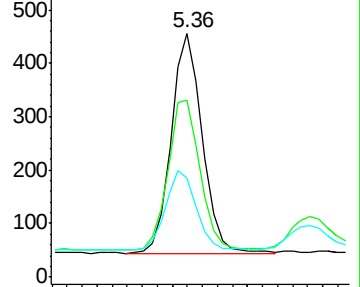
63 36.3 29.3 43.9



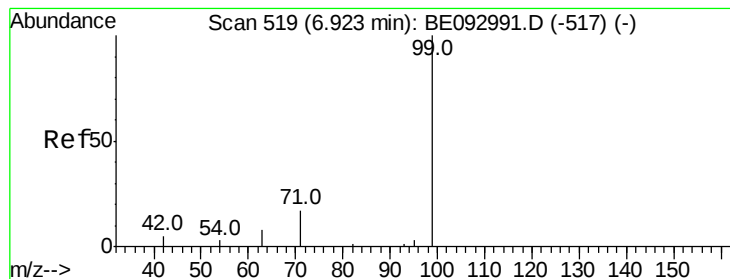
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.17 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

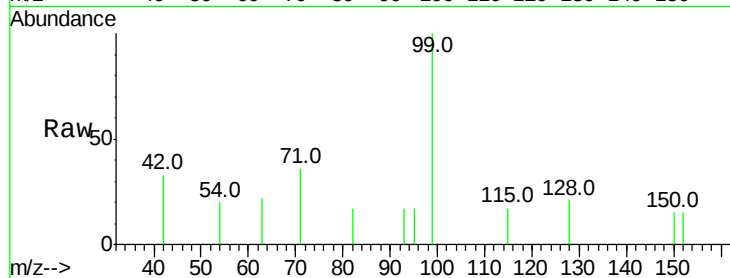
Tot Ion: 99 Resp: 528

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

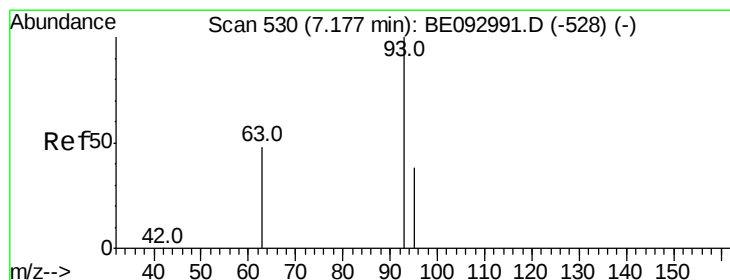
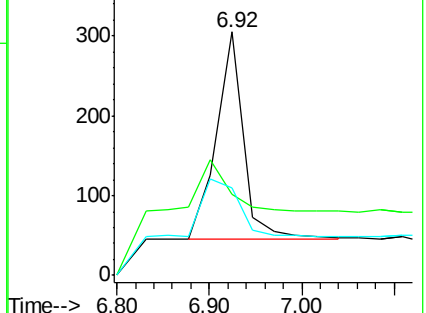
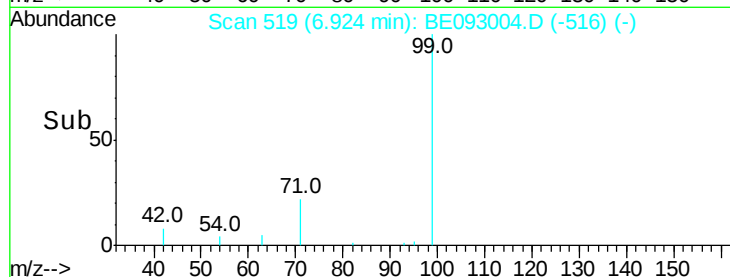
71 0.0 0.0 0.0



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: 0.38 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

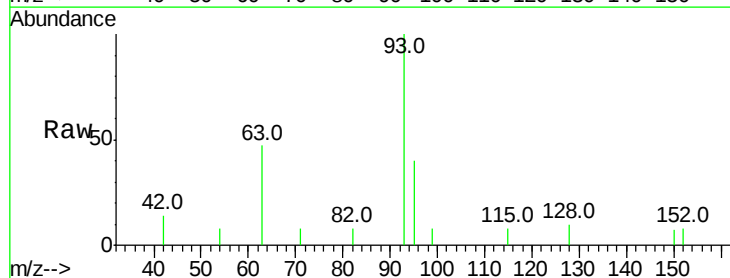
Tgt Ion: 93 Resp: 1143

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

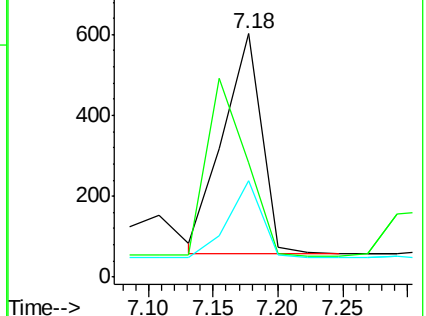
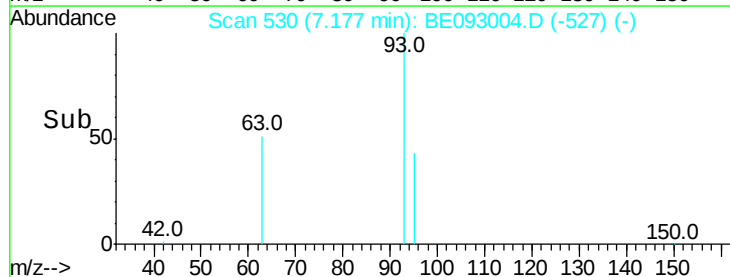
95 31.0 25.4 38.0

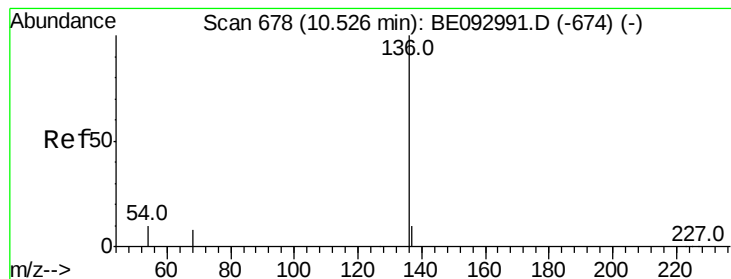


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3434

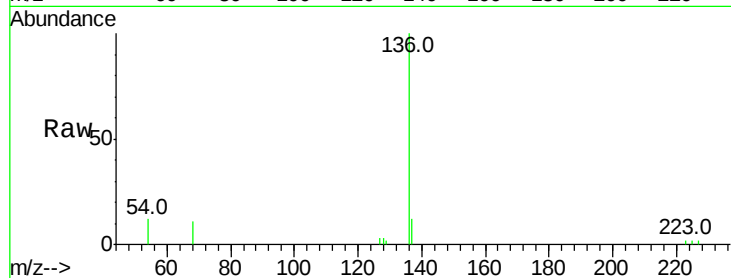
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 11.5 10.3 15.5

68 10.6 9.0 13.4

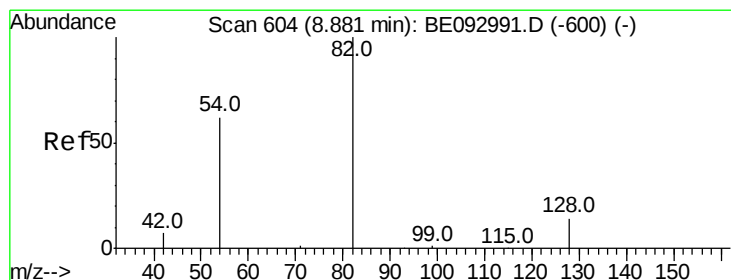
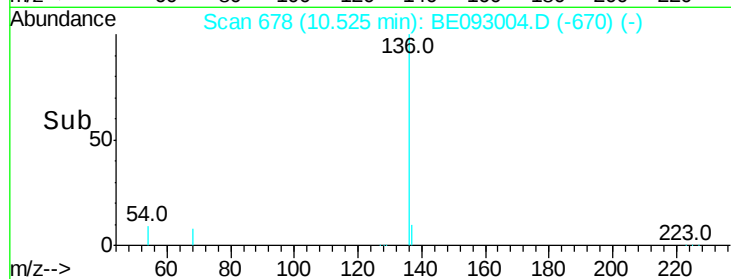
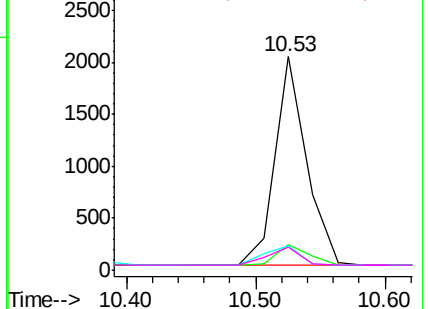


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.44 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

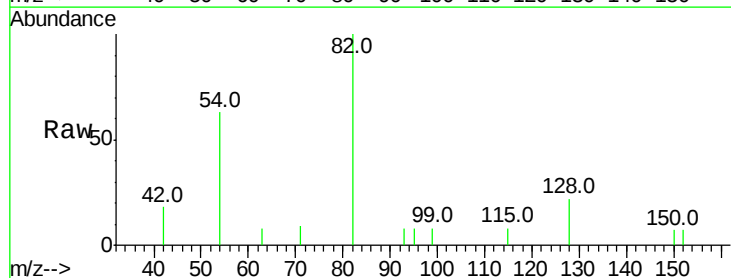
Tgt Ion: 82 Resp: 1194

Ion Ratio Lower Upper

82 100

128 22.2 17.0 25.4

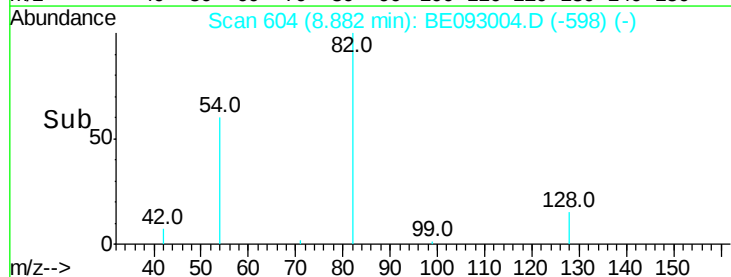
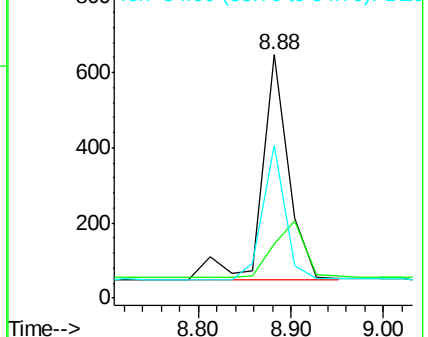
54 62.8 53.8 80.6

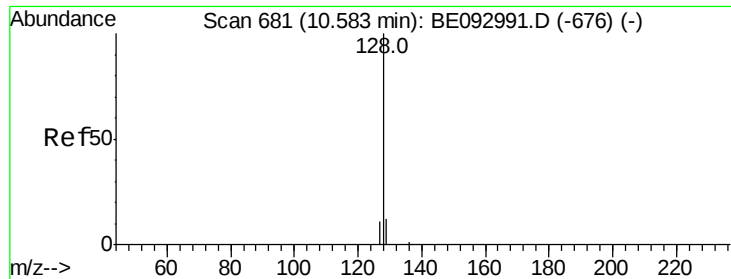


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.39 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

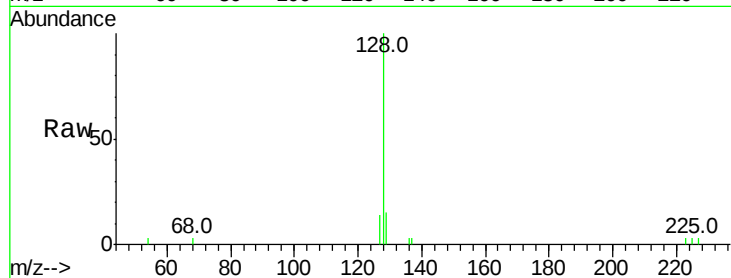
Tot Ion:128 Resp: 3523

Ion Ratio Lower Upper

128 100

129 14.8 11.4 17.0

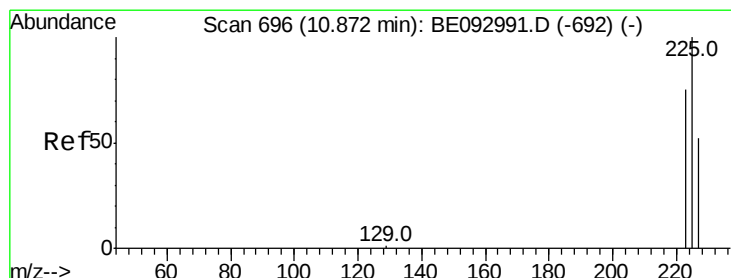
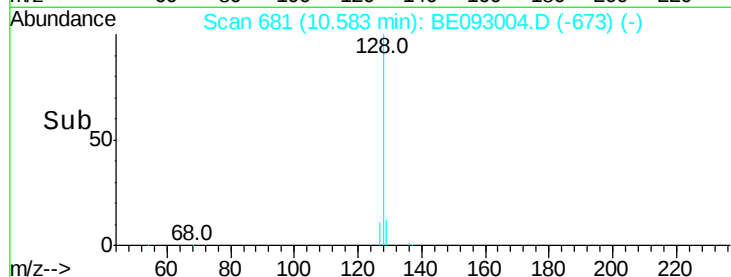
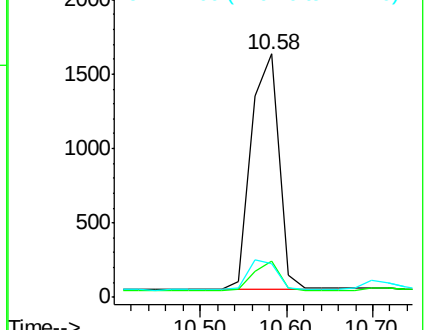
127 13.8 11.2 16.8



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: 0.37 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

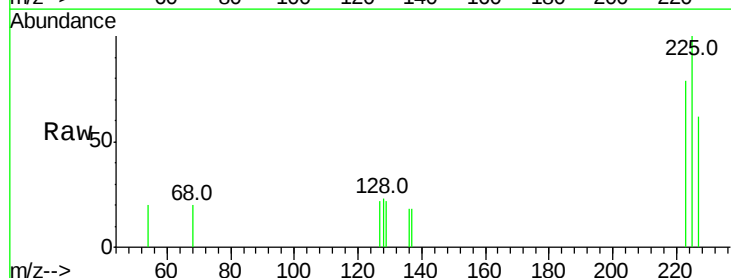
Tgt Ion:225 Resp: 470

Ion Ratio Lower Upper

225 100

223 65.1 49.7 74.5

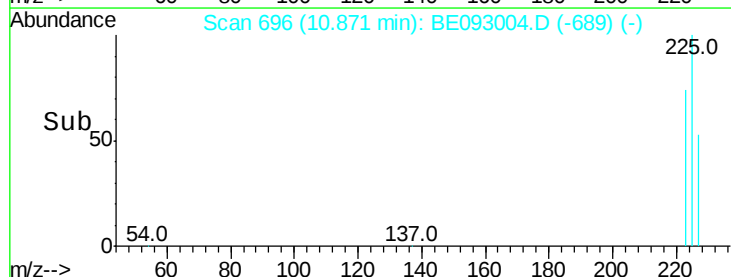
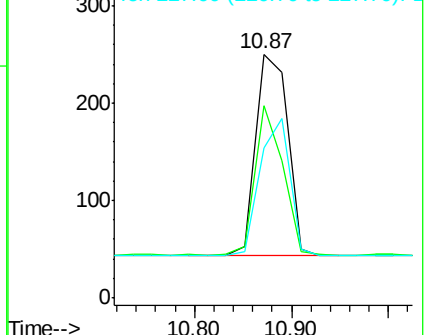
227 63.6 50.3 75.5

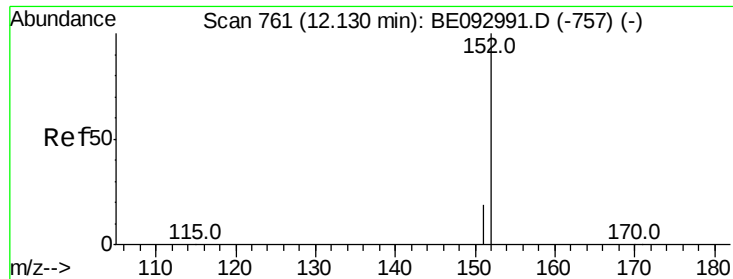


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

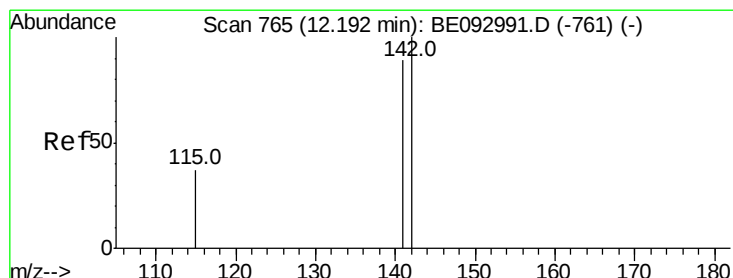
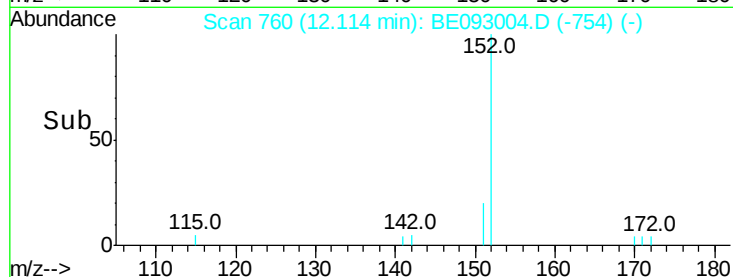
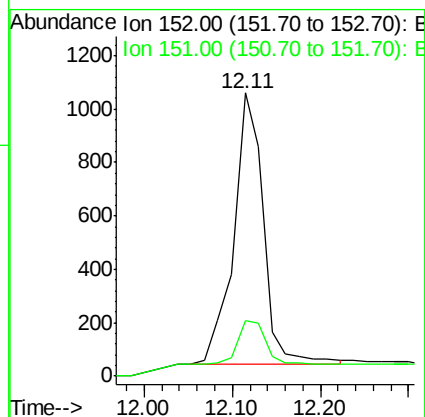
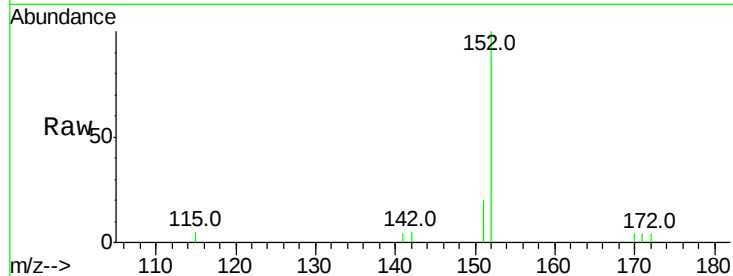




#11
 2-Methylnaphthalene-d10
 Concen: 0.49 ng
 RT: 12.11 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BE093004.D
 Acq: 11 May 2017 20:01

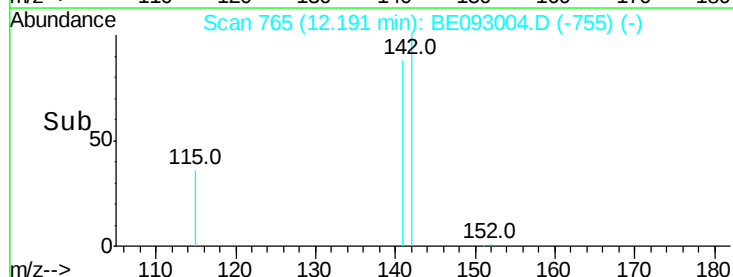
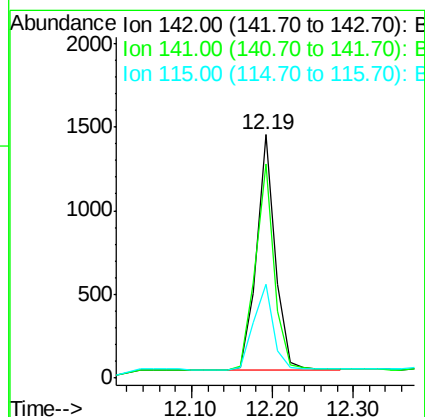
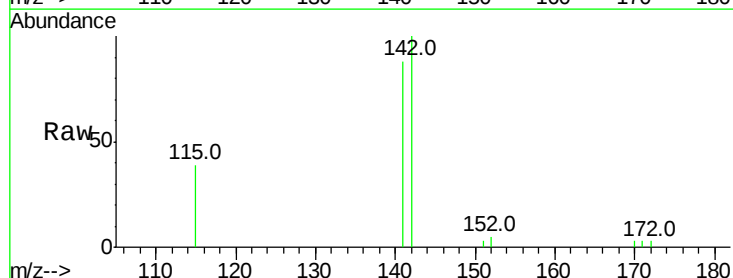
Instrument :
 BNA_E
 ClientSampleId :

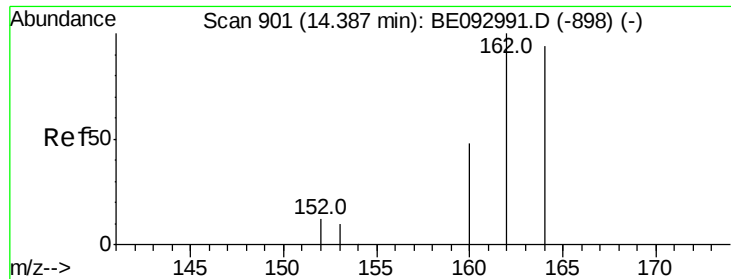
Tot Ion:152 Resp: 2371
 Ion Ratio Lower Upper
 152 100
 151 14.8 15.1 22.7#



#12
 2-Methylnaphthalene
 Concen: 0.42 ng
 RT: 12.19 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE093004.D
 Acq: 11 May 2017 20:01

Tgt Ion:142 Resp: 2276
 Ion Ratio Lower Upper
 142 100
 141 88.2 72.6 108.8
 115 38.5 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: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

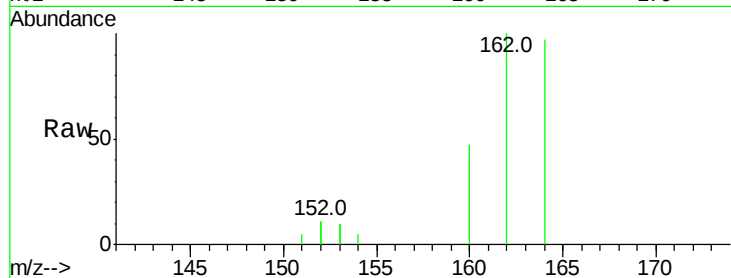
Tot Ion:164 Resp: 1554

Ion Ratio Lower Upper

164 100

162 102.7 84.6 127.0

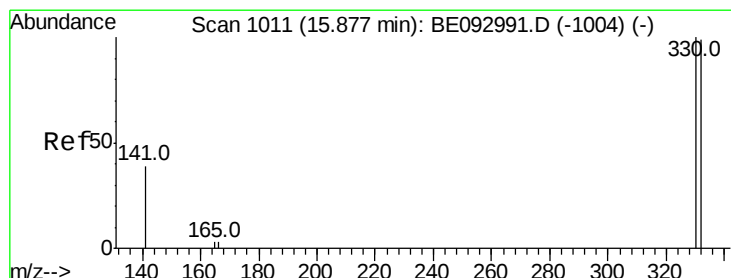
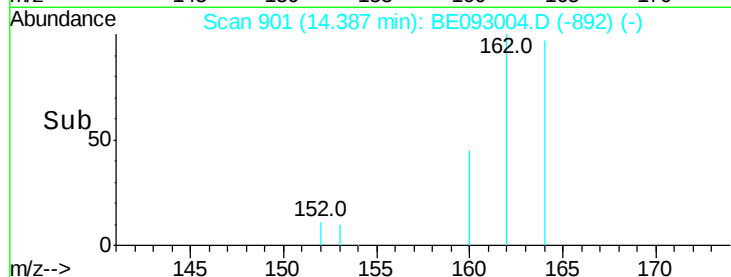
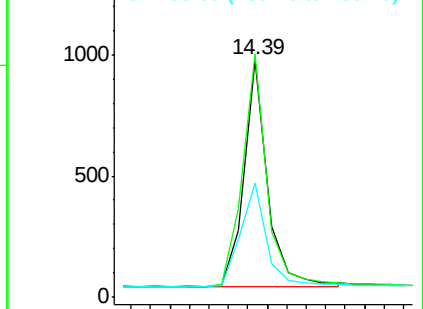
160 48.3 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.38 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

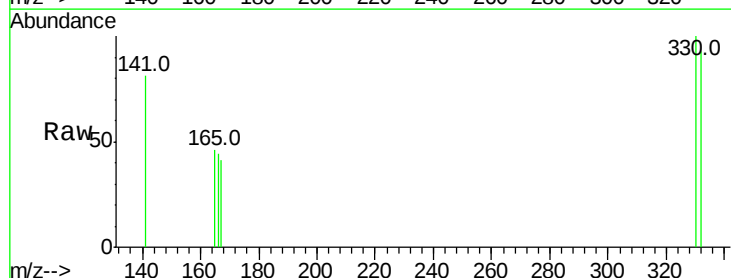
Tgt Ion:330 Resp: 162

Ion Ratio Lower Upper

330 100

332 96.3 77.7 116.5

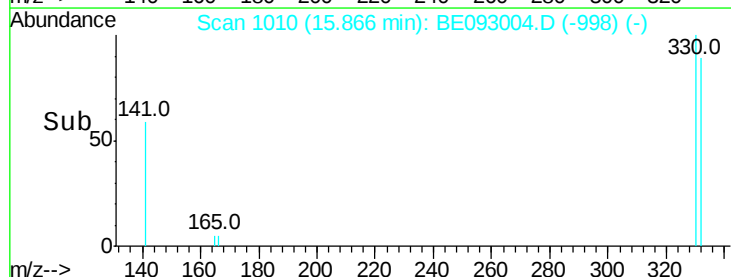
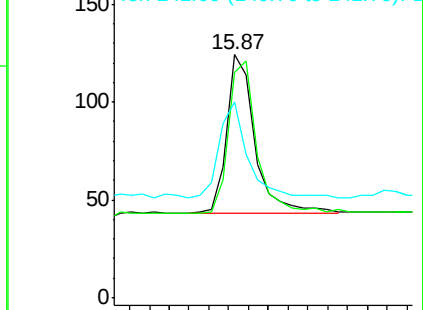
141 59.9 56.2 84.4

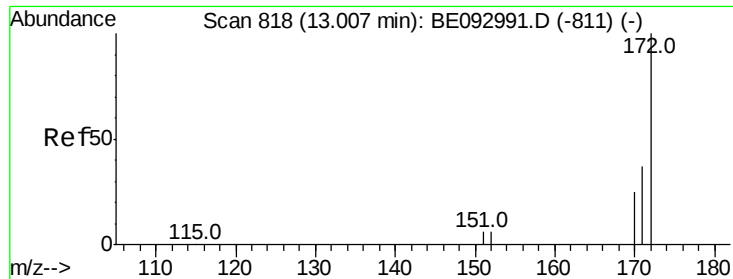


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

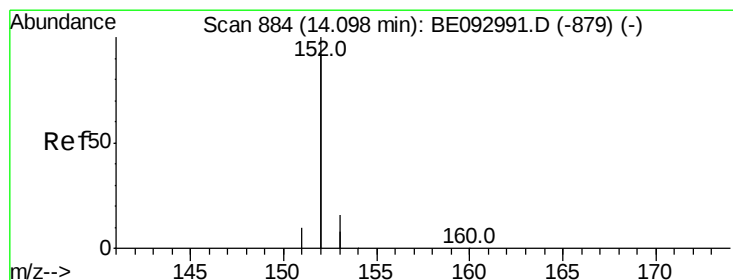
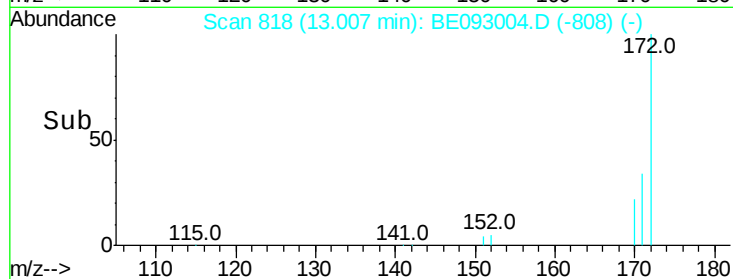
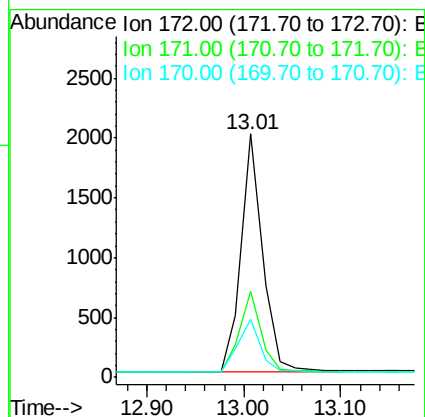
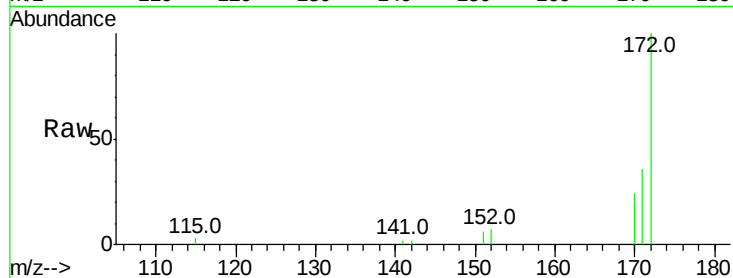




#15
2-Fluorobiphenyl
Concen: 0.51 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

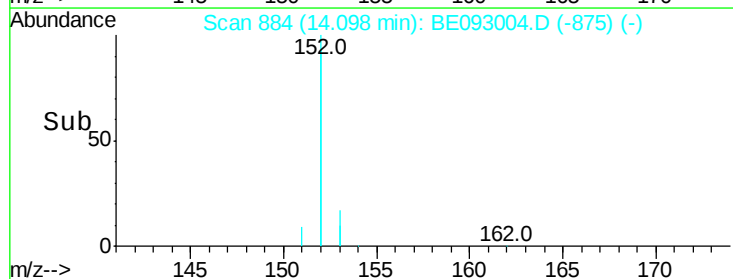
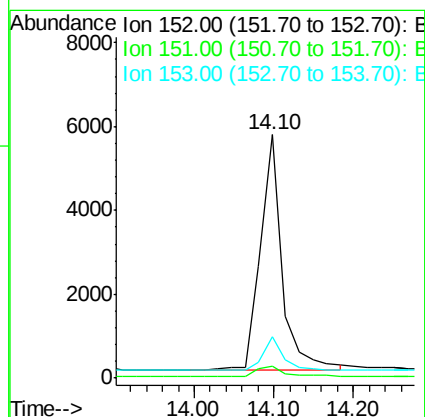
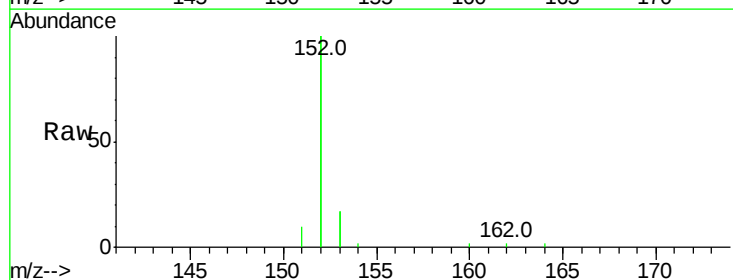
Instrument :
BNA_E
ClientSampled :

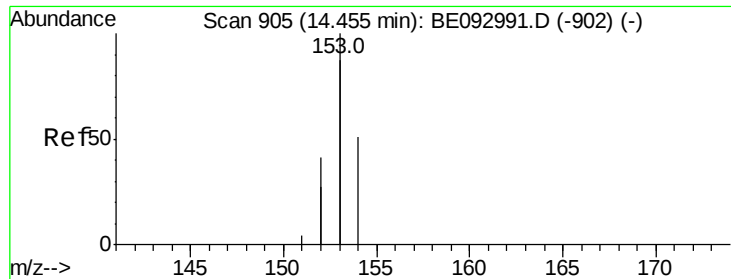
Tot Ion:172 Resp: 3114
Ion Ratio Lower Upper
172 100
171 35.5 29.8 44.6
170 23.7 20.7 31.1



#16
Acenaphthylene
Concen: 0.41 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

Tgt Ion:152 Resp: 10703
Ion Ratio Lower Upper
152 100
151 5.1 4.0 6.0
153 13.1 10.3 15.5

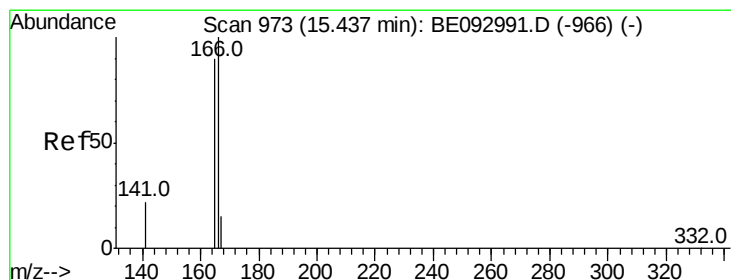
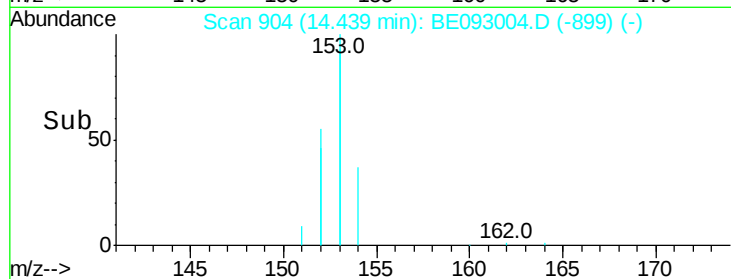
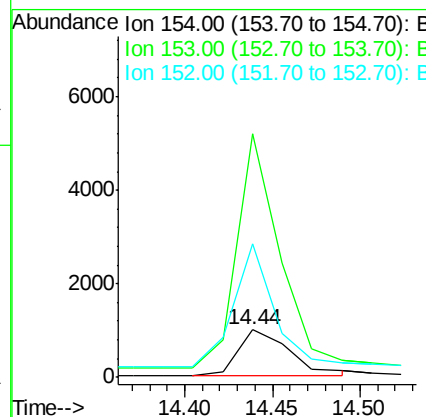
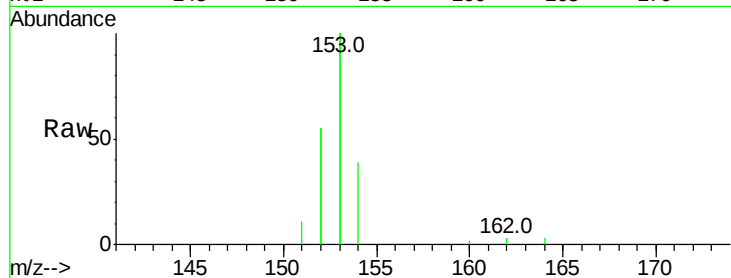




#17
Acenaphthene
Concen: 0.41 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

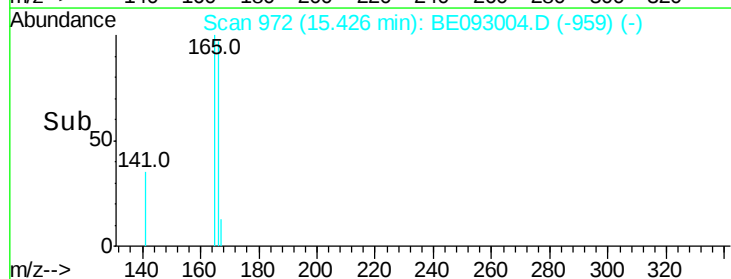
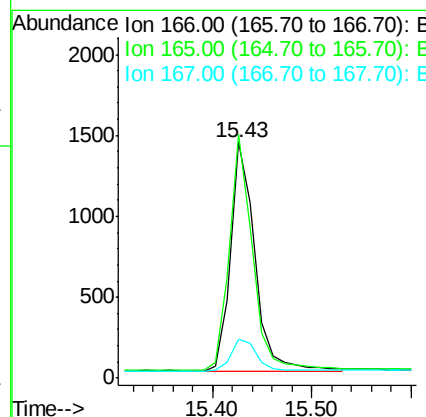
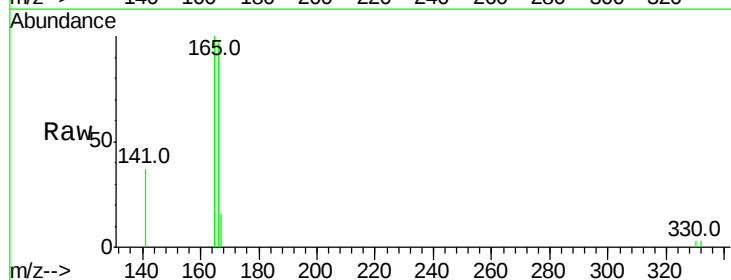
Instrument :
BNA_E
ClientSampleId :

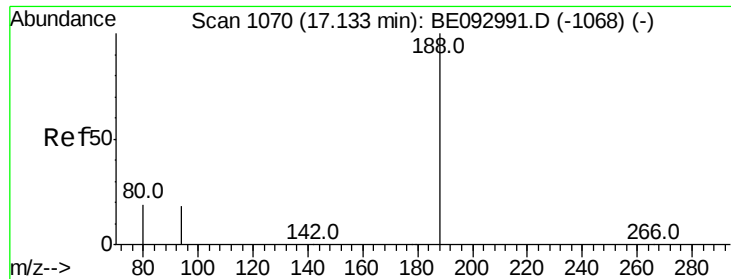
Tot Ion:154 Resp: 1990
Ion Ratio Lower Upper
154 100
153 436.1 367.8 551.6
152 220.1 188.2 282.2



#18
Fluorene
Concen: 0.40 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

Tgt Ion:166 Resp: 2396
Ion Ratio Lower Upper
166 100
165 99.4 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: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampled :

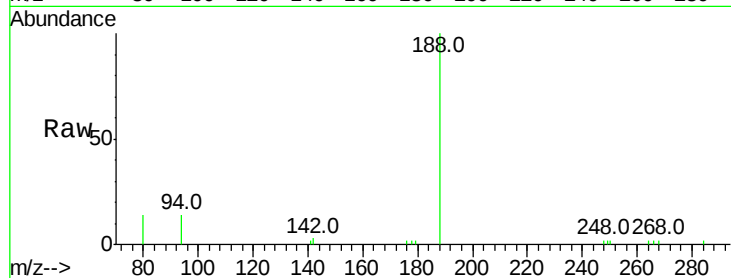
Tot Ion:188 Resp: 4328

Ion Ratio Lower Upper

188 100

94 13.8 11.3 16.9

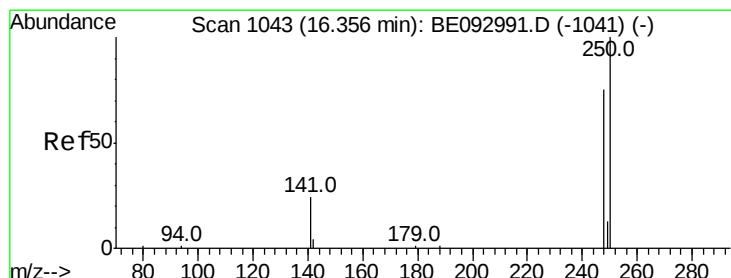
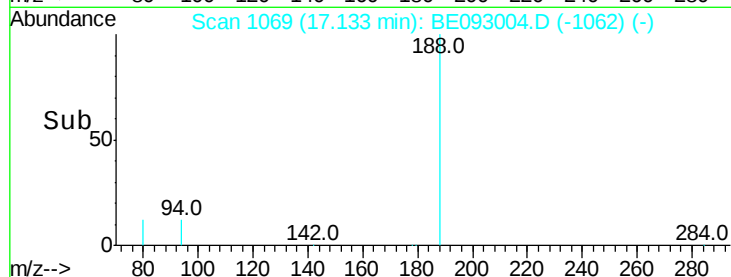
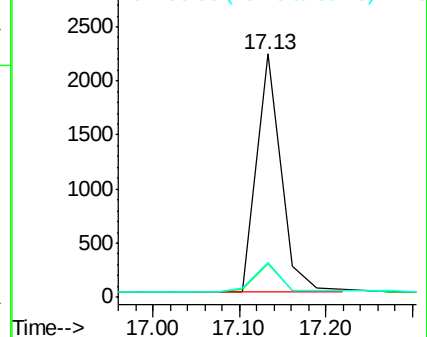
80 14.4 11.7 17.5



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: 0.37 ng

RT: 16.33 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

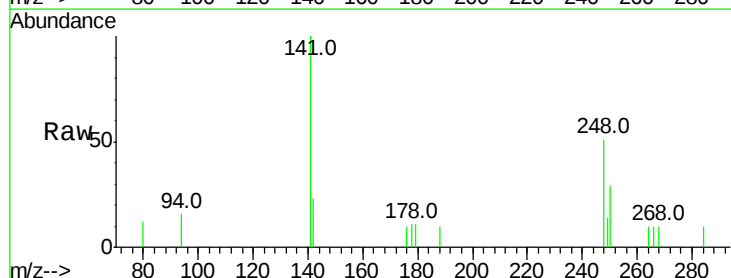
Tgt Ion:248 Resp: 508

Ion Ratio Lower Upper

248 100

250 58.1 100.0 150.0#

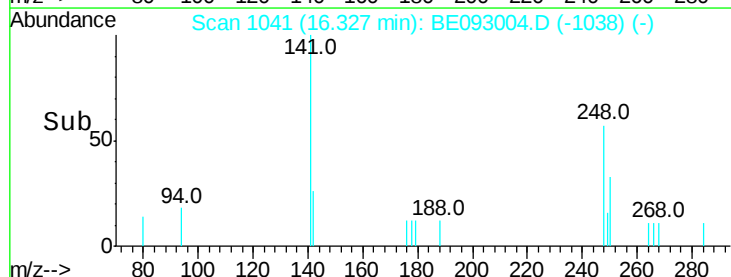
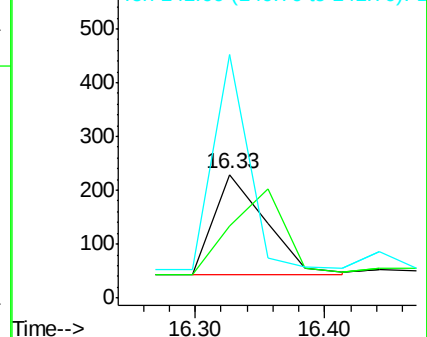
141 197.4 40.0 60.0#

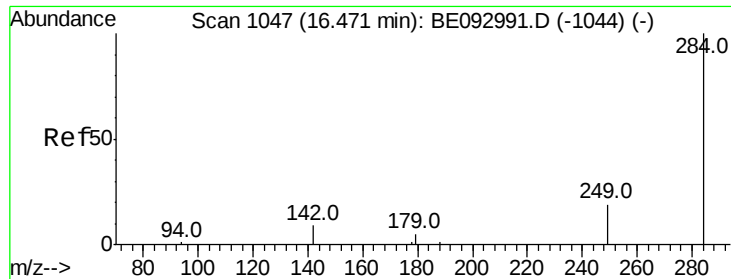


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

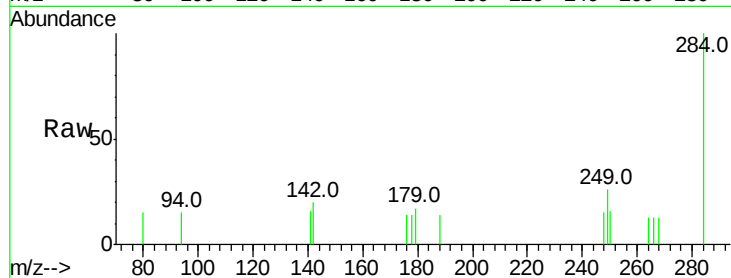




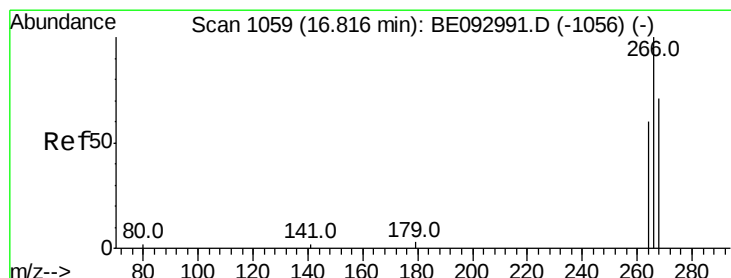
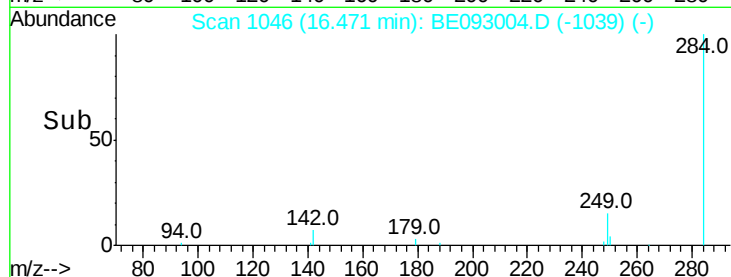
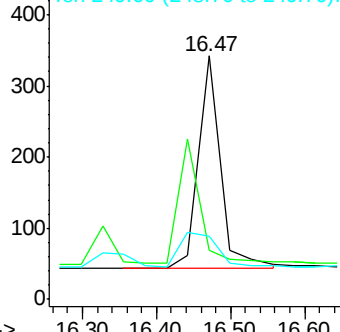
#21
Hexachlorobenzene
Concen: 0.26 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 620
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

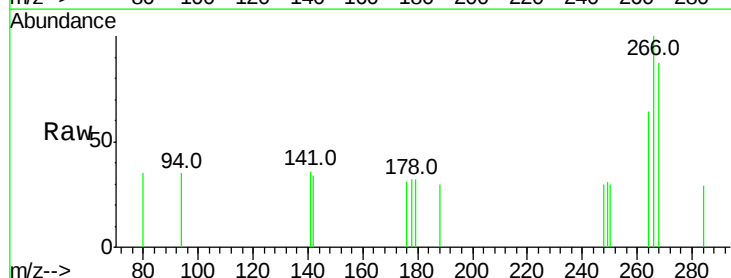


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

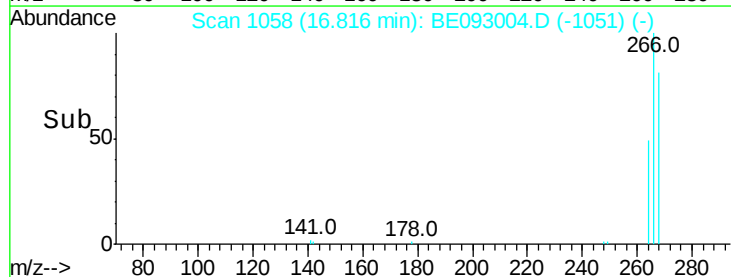
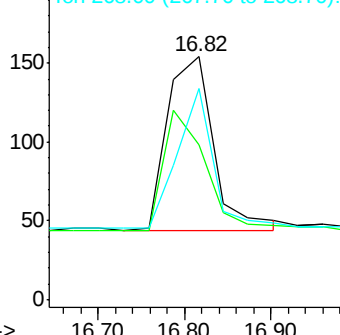


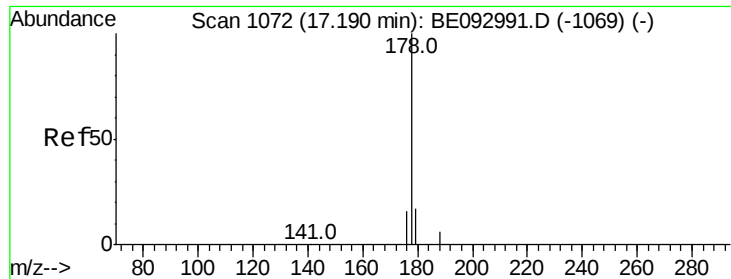
#22
Pentachlorophenol
Concen: 0.82 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.01 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

Tgt Ion:266 Resp: 411
Ion Ratio Lower Upper
266 100
264 63.6 58.2 87.2
268 87.0 71.9 107.9



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.35 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

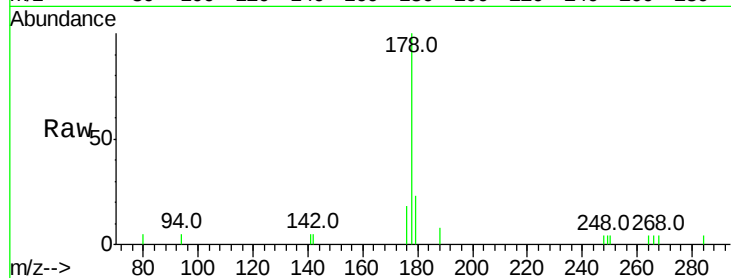
Tot Ion:178 Resp: 3494

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

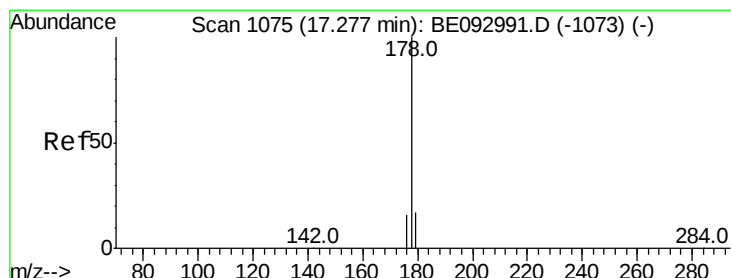
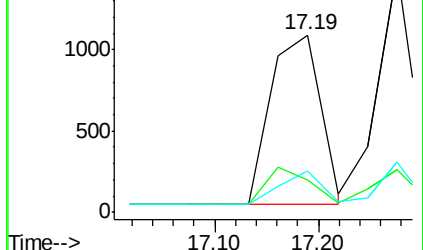
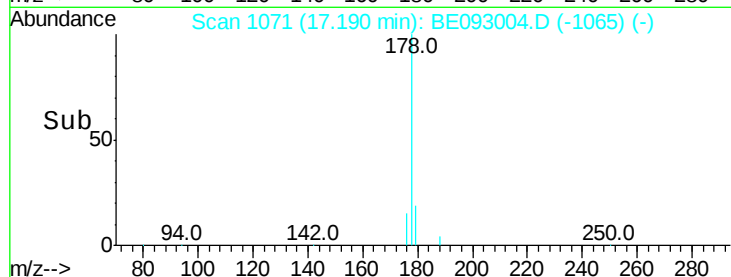
179 16.1 12.7 19.1



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# 1074

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

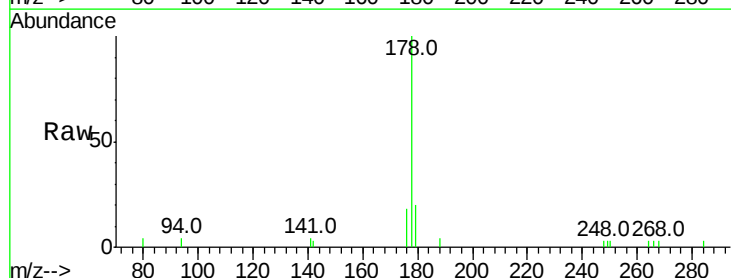
Tgt Ion:178 Resp: 3254

Ion Ratio Lower Upper

178 100

176 17.1 14.6 22.0

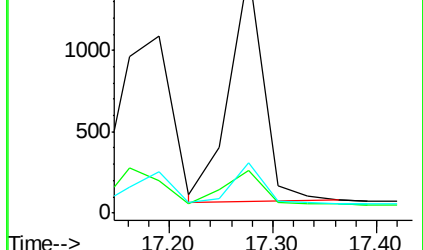
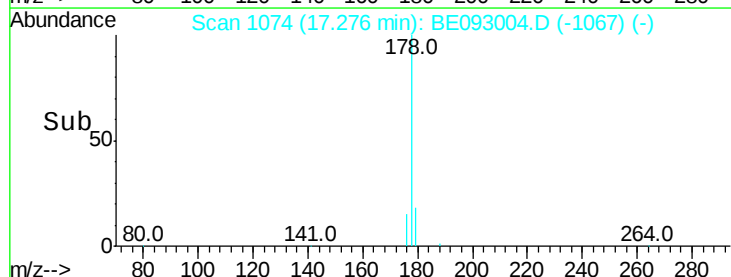
179 16.3 12.0 18.0

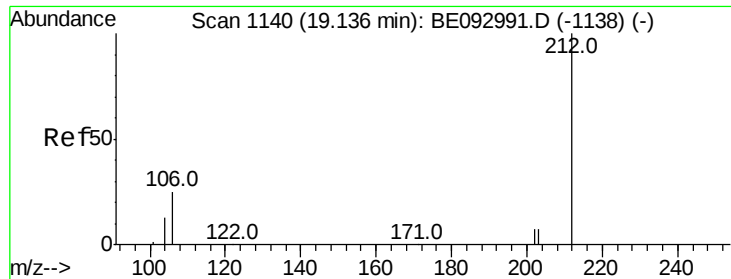


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.36 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

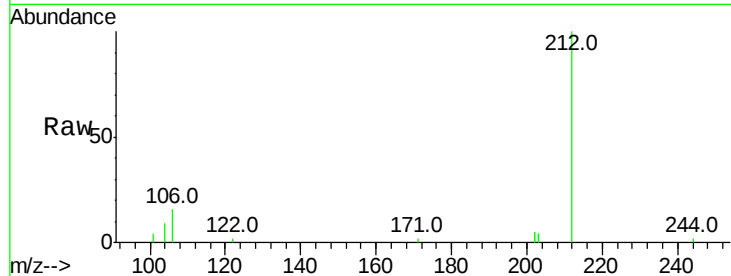
Tot Ion:212 Resp: 4098

Ion Ratio Lower Upper

212 100

106 16.1 0.0 0.0#

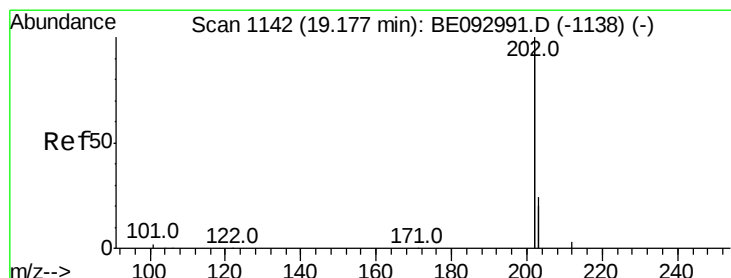
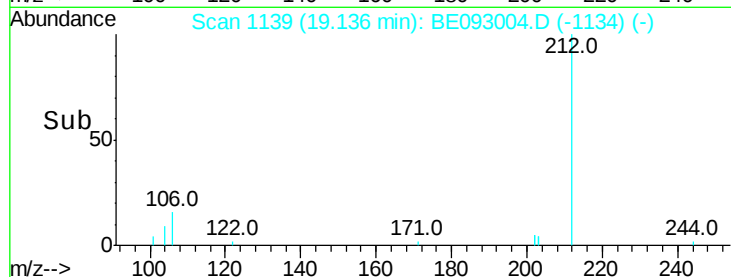
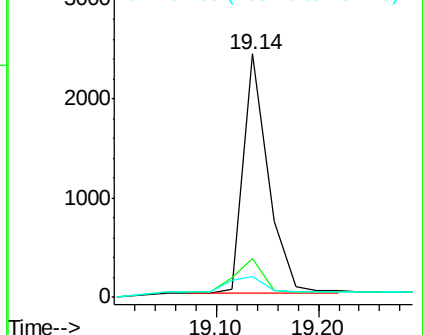
104 9.0 0.0 0.0#



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: 0.36 ng

RT: 19.16 min Scan# 1140

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

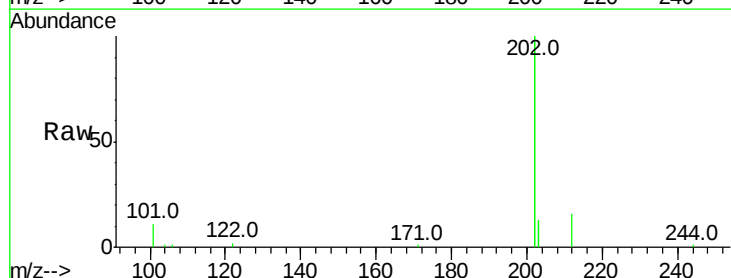
Tgt Ion:202 Resp: 20210

Ion Ratio Lower Upper

202 100

101 3.6 0.0 0.0#

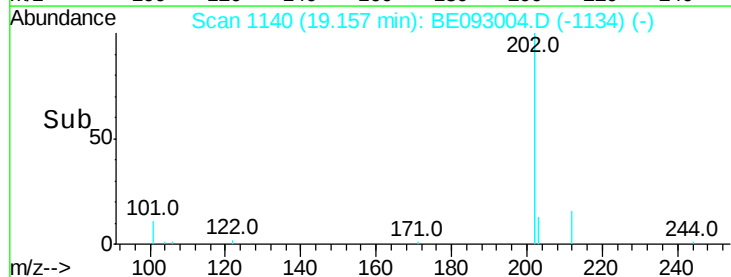
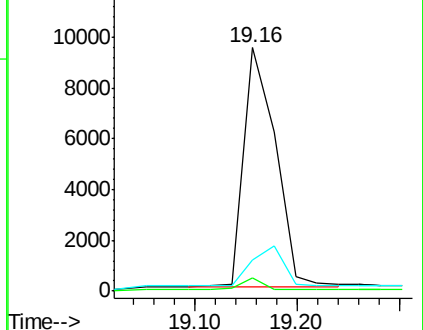
203 0.0 14.4 21.6#

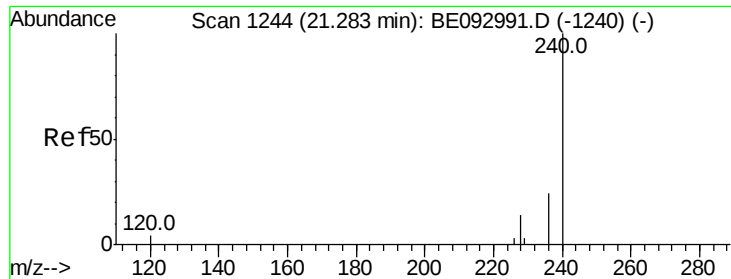


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

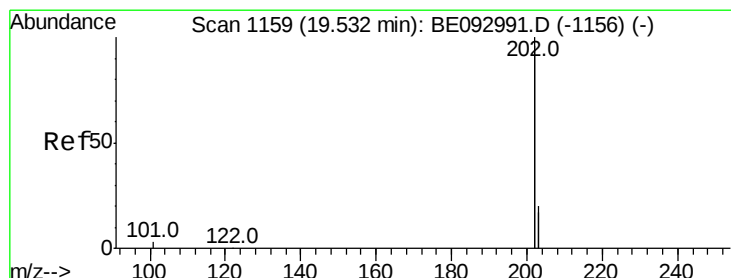
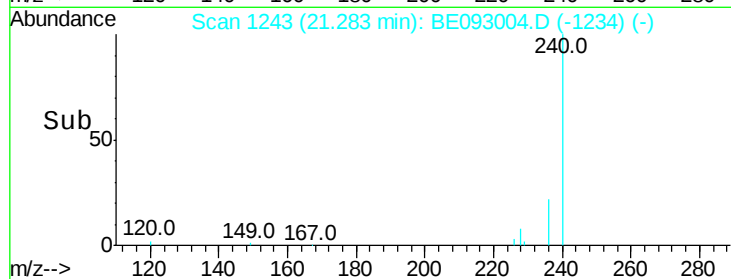
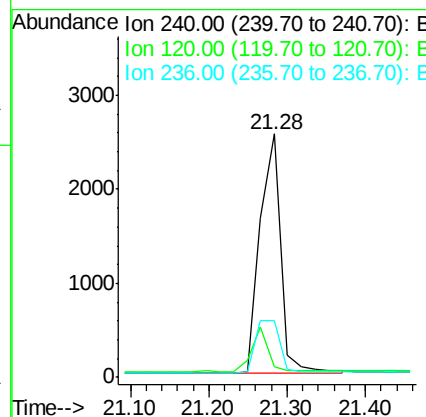
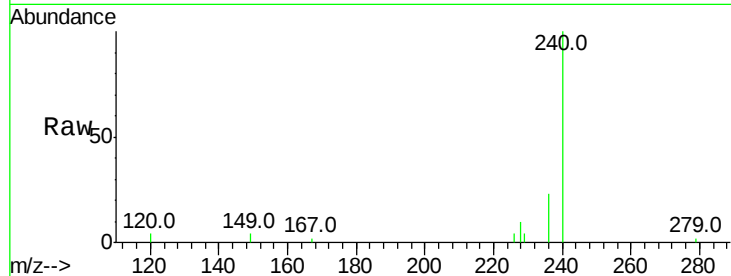




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

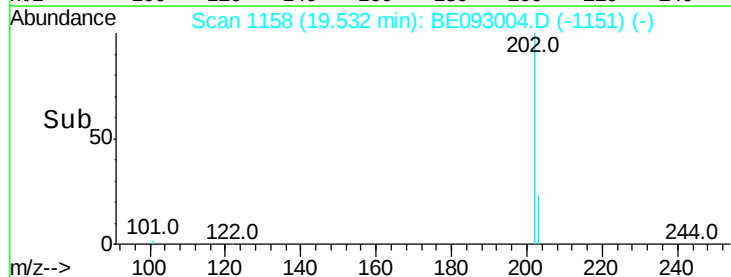
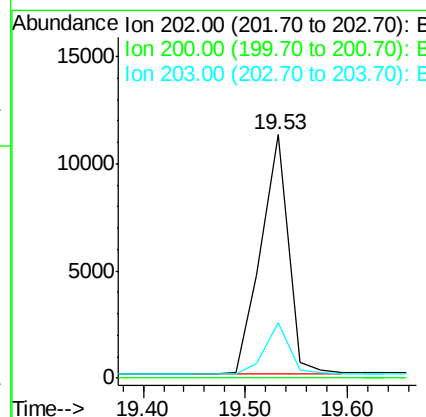
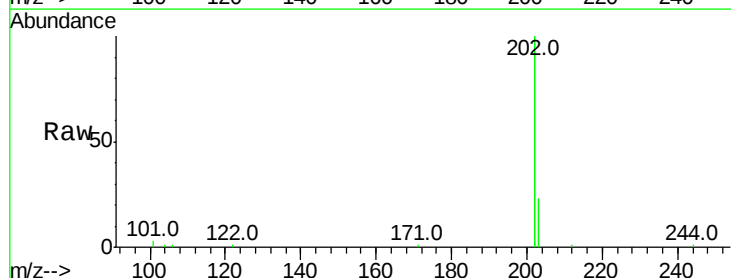
Instrument :
BNA_E
ClientSampleId :

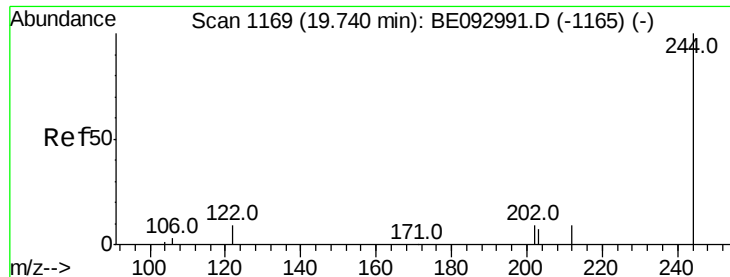
Tot Ion:240 Resp: 4696
Ion Ratio Lower Upper
240 100
120 4.3 4.6 7.0#
236 23.4 20.8 31.2



#28
Pyrene
Concen: 0.35 ng
RT: 19.53 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE093004.D
Acq: 11 May 2017 20:01

Tgt Ion:202 Resp: 20686
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.7 13.7 20.5





#29

Terphenyl-d14

Concen: 0.52 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

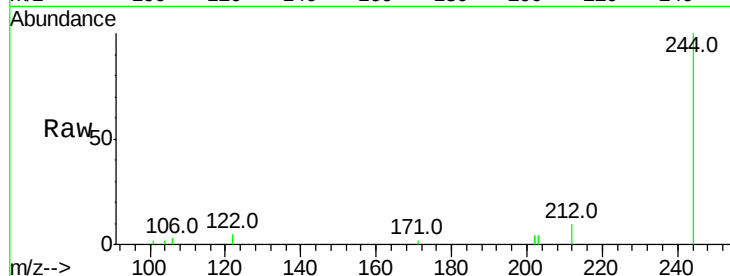
Tot Ion:244 Resp: 4303

Ion Ratio Lower Upper

244 100

212 9.8 10.6 16.0#

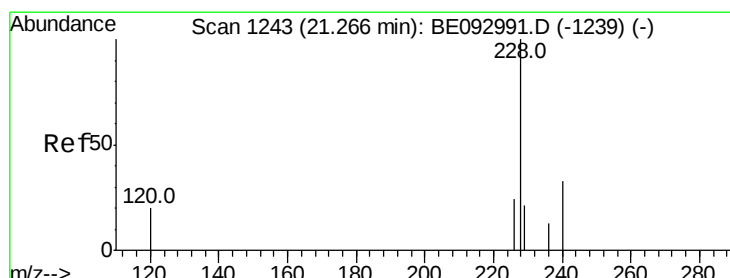
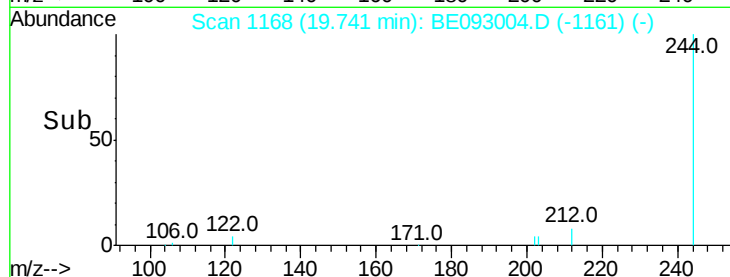
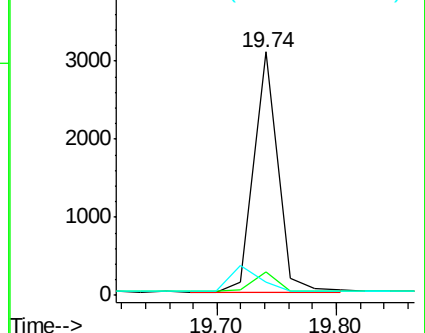
122 5.3 15.4 23.0#



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: 0.45 ng

RT: 21.25 min Scan# 1241

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

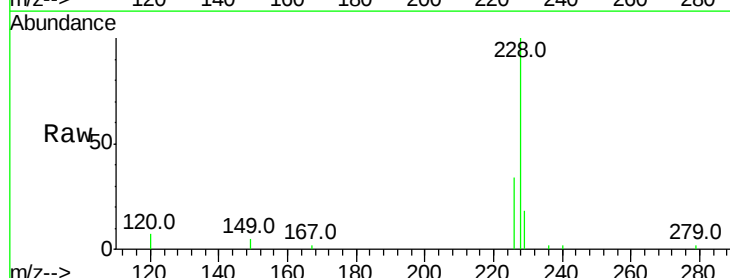
Tgt Ion:228 Resp: 5167

Ion Ratio Lower Upper

228 100

226 33.8 19.7 29.5#

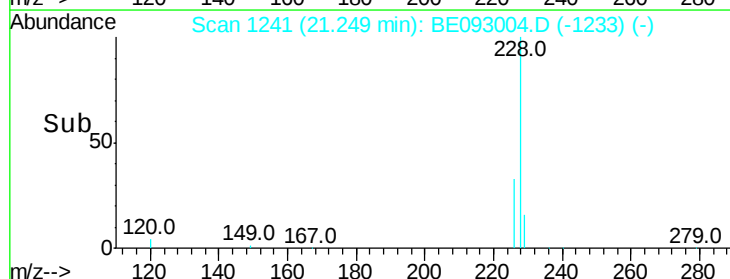
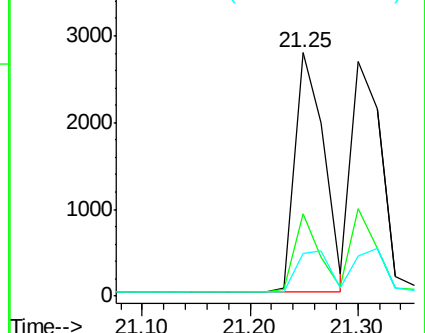
229 17.7 19.2 28.8#

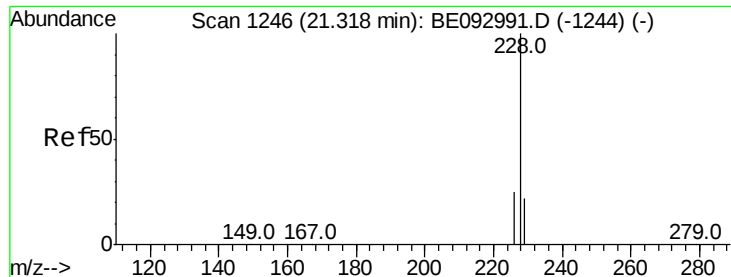


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.37 ng

RT: 21.30 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

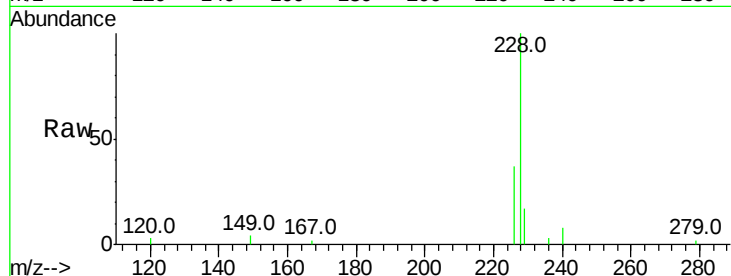
Tot Ion:228 Resp: 5294

Ion Ratio Lower Upper

228 100

226 37.4 21.5 32.3#

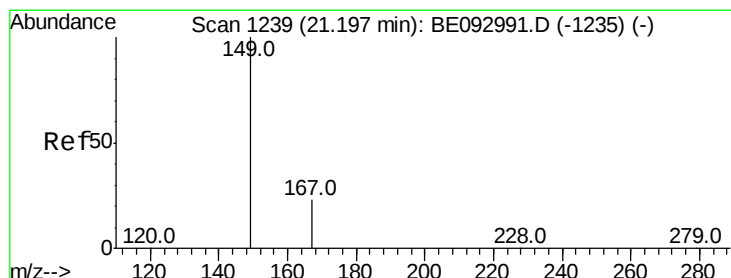
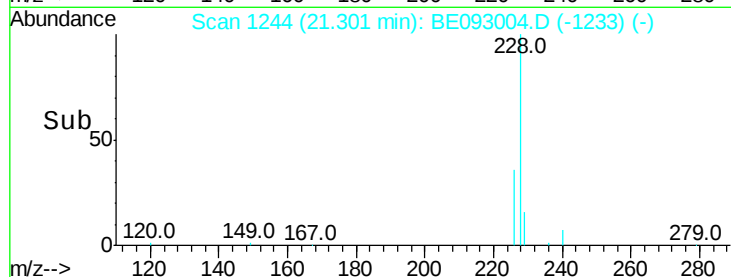
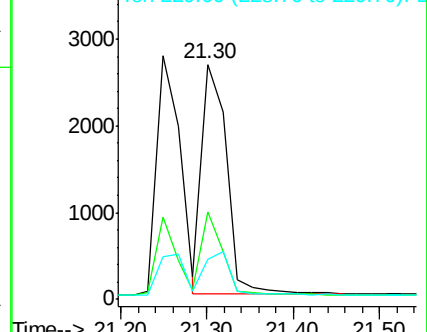
229 17.3 18.6 28.0#



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: 0.81 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

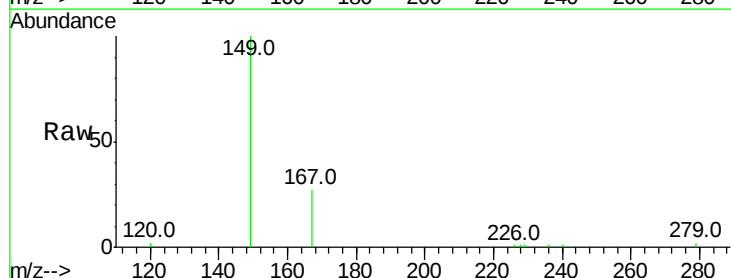
Tgt Ion:149 Resp: 4084

Ion Ratio Lower Upper

149 100

167 25.7 20.1 30.1

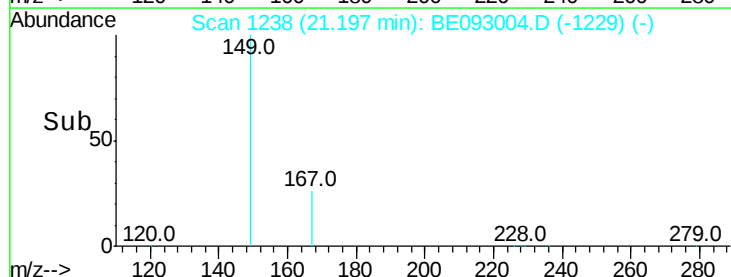
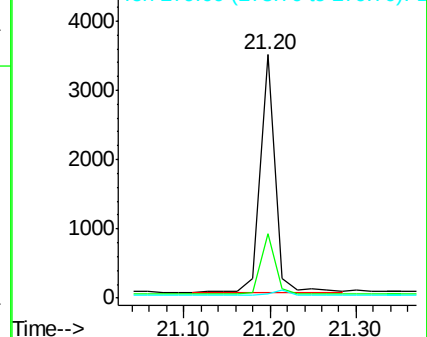
279 2.5 2.2 3.4

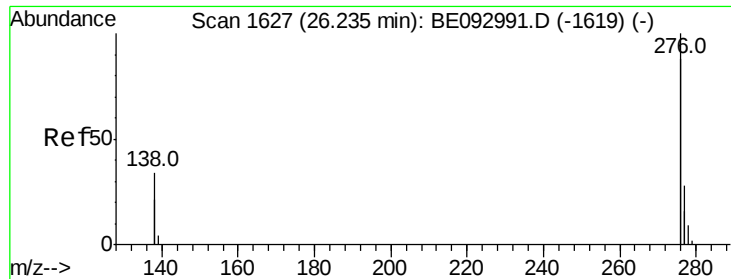


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

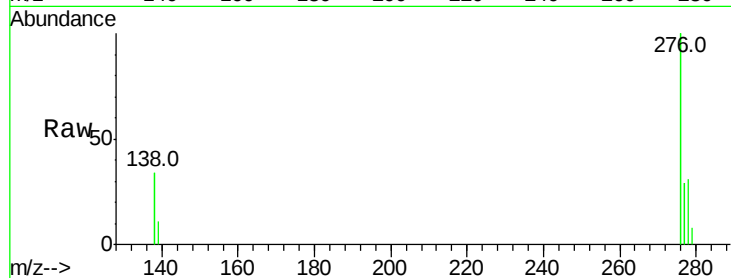




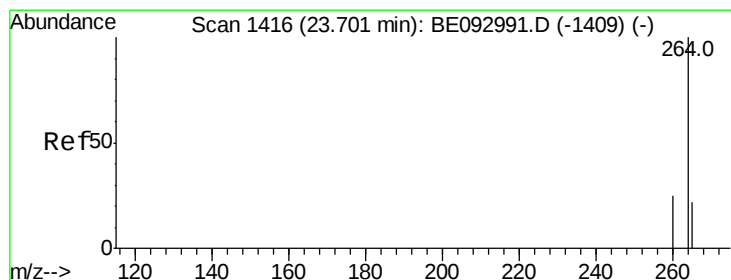
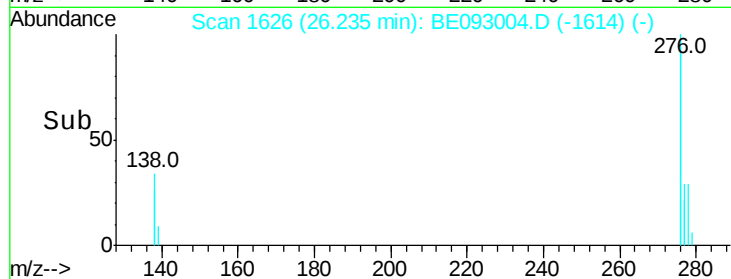
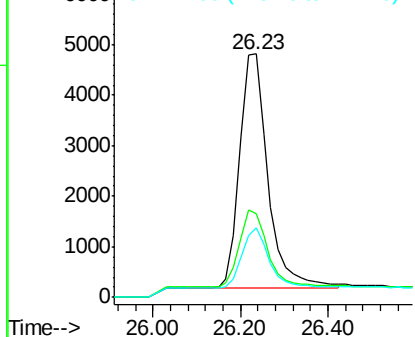
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.45 ng
 RT: 26.23 min Scan# 1626
 Delta R.T. -0.00 min
 Lab File: BE093004.D
 Acq: 11 May 2017 20:01

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 20756
 Ion Ratio Lower Upper
 276 100
 138 33.3 27.4 41.2
 277 24.7 20.1 30.1

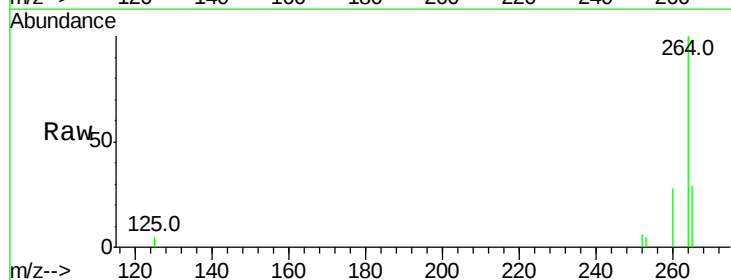


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

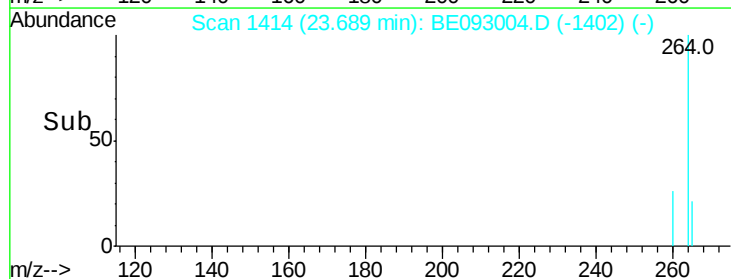
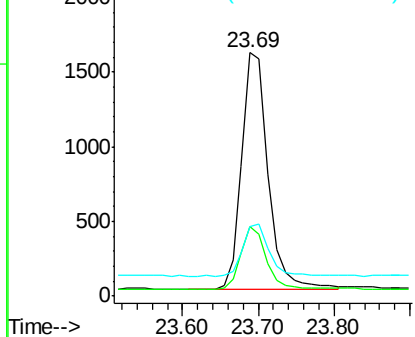


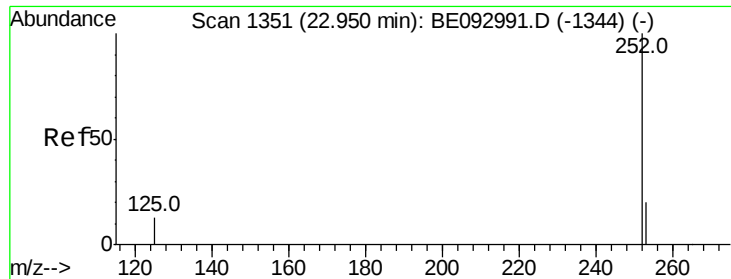
#34
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.69 min Scan# 1414
 Delta R.T. -0.01 min
 Lab File: BE093004.D
 Acq: 11 May 2017 20:01

Tgt Ion:264 Resp: 3833
 Ion Ratio Lower Upper
 264 100
 260 28.4 21.0 31.4
 265 28.5 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: 0.40 ng

RT: 22.95 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :

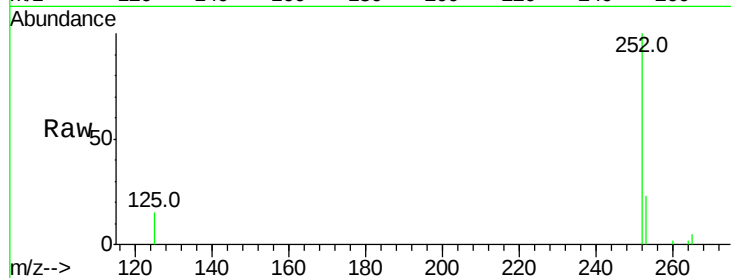
Tot Ion:252 Resp: 4967

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

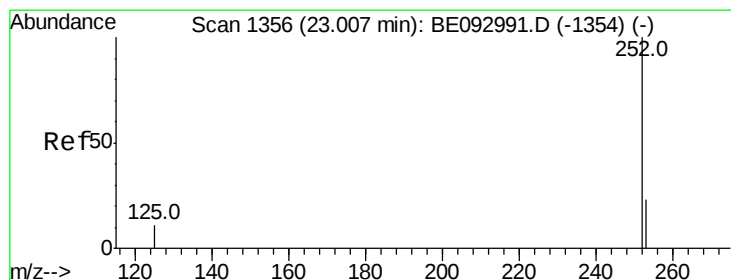
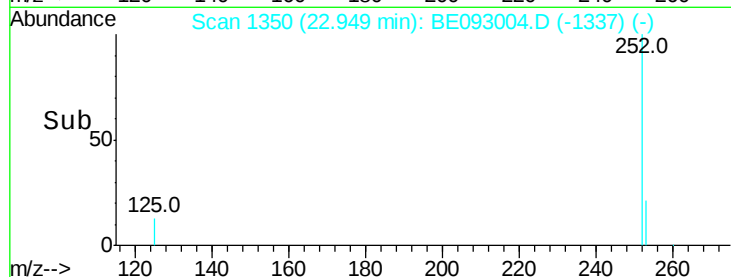
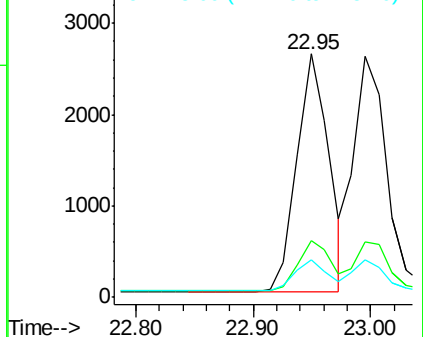
125 15.5 13.4 20.0



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: 0.40 ng

RT: 23.00 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

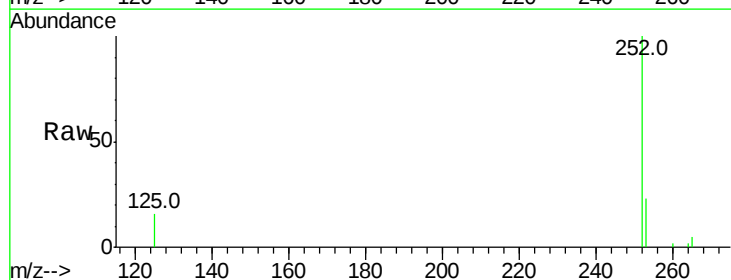
Tgt Ion:252 Resp: 4984

Ion Ratio Lower Upper

252 100

253 22.8 20.3 30.5

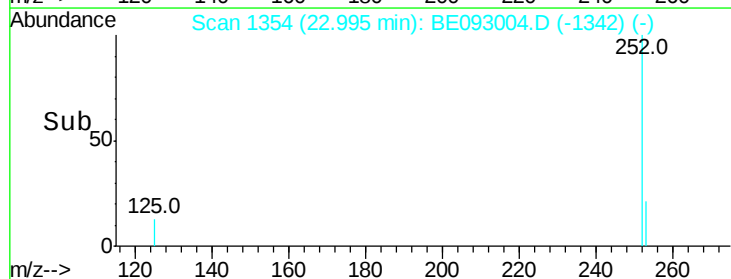
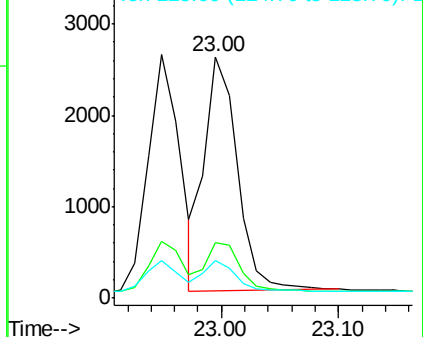
125 15.7 12.2 18.4

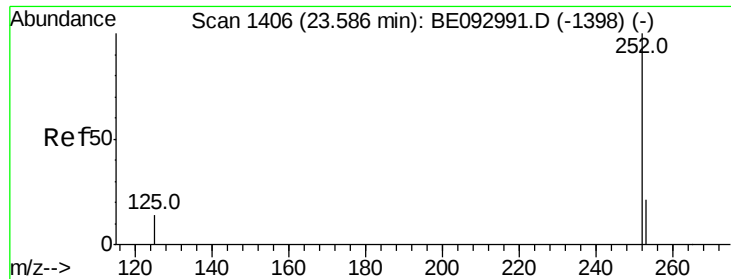


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.59 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

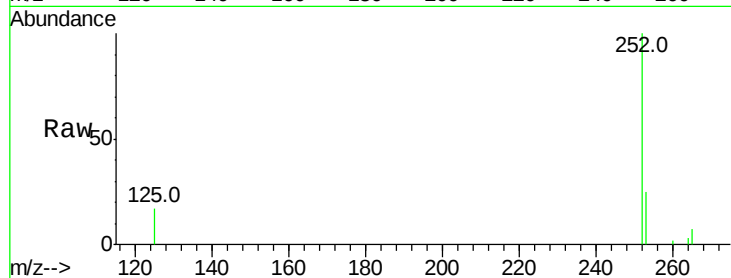
Instrument :

BNA_E

ClientSampleId :

Tot Ion:252 Resp: 4297

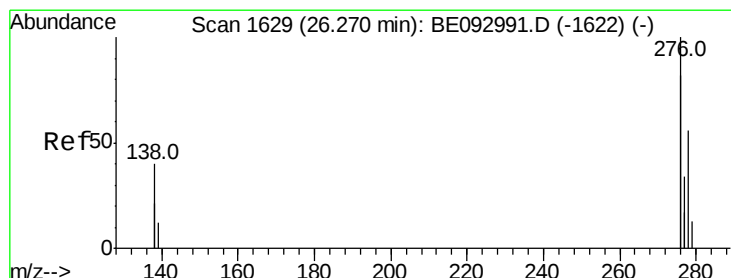
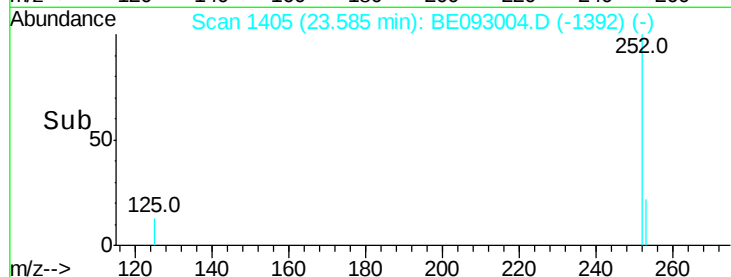
Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.9	29.9
125	17.1	14.6	21.8



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: 0.43 ng

RT: 26.25 min Scan# 1627

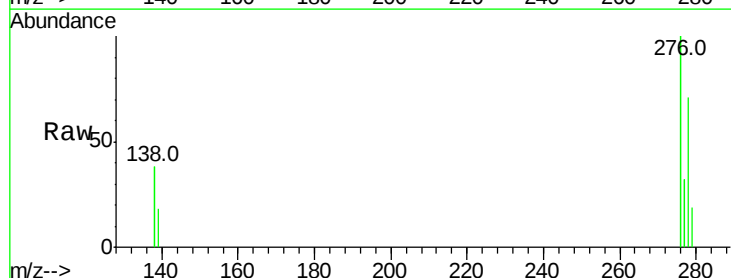
Delta R.T. 0.00 min

Lab File: BE093004.D

Acq: 11 May 2017 20:01

Tgt Ion:278 Resp: 4216

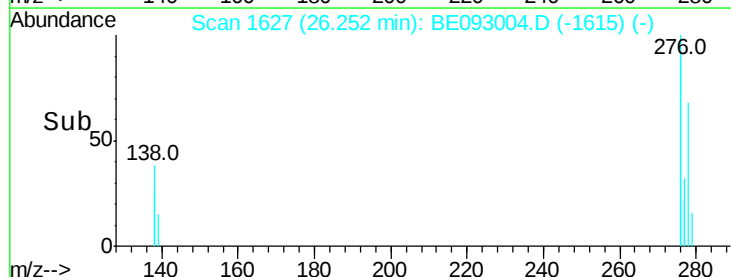
Ion	Ratio	Lower	Upper
278	100		
139	25.7	21.4	32.0
279	26.8	22.2	33.2

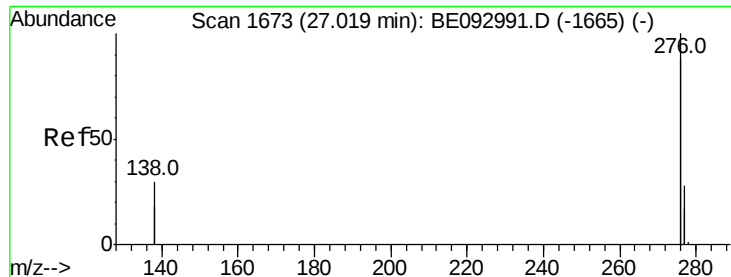


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.41 ng

RT: 27.00 min Scan# 1671

Delta R.T. -0.00 min

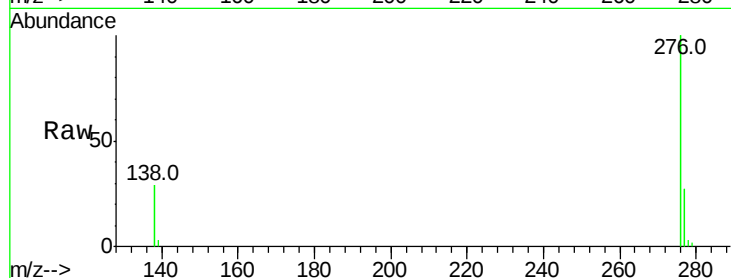
Lab File: BE093004.D

Acq: 11 May 2017 20:01

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 18006

Ion Ratio Lower Upper

276 100

277 26.6 21.2 31.8

138 29.3 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

