

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094919.D
 Acq On : 5 Dec 2017 17:52
 Operator : SJ/JU
 Sample : PB104097BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104097BS

Quant Time: Dec 06 06:39:43 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 13:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.49	152	9097	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	17659	0.40	ng	0.00
13) Acenaphthene-d10	15.07	164	8361	0.40	ng	0.00
19) Phenanthrene-d10	17.79	188	19410	0.40	ng	0.01
27) Chrysene-d12	21.89	240	19645	0.40	ng	0.00
34) Perylene-d12	24.57	264	15987	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2622	0.18	ng	0.00
5) Phenol-d6	7.59	99	4397	0.21	ng	0.00
8) Nitrobenzene-d5	9.66	82	2333m	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.87	152	7936	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.55	330	278	0.23	ng	0.01
15) 2-Fluorobiphenyl	13.71	172	12056	0.34	ng	0.00
25) Fluoranthene-d10	19.76	212	66718	0.25	ng	0.00
29) Terphenyl-d14	20.33	244	12717	0.35	ng	0.00

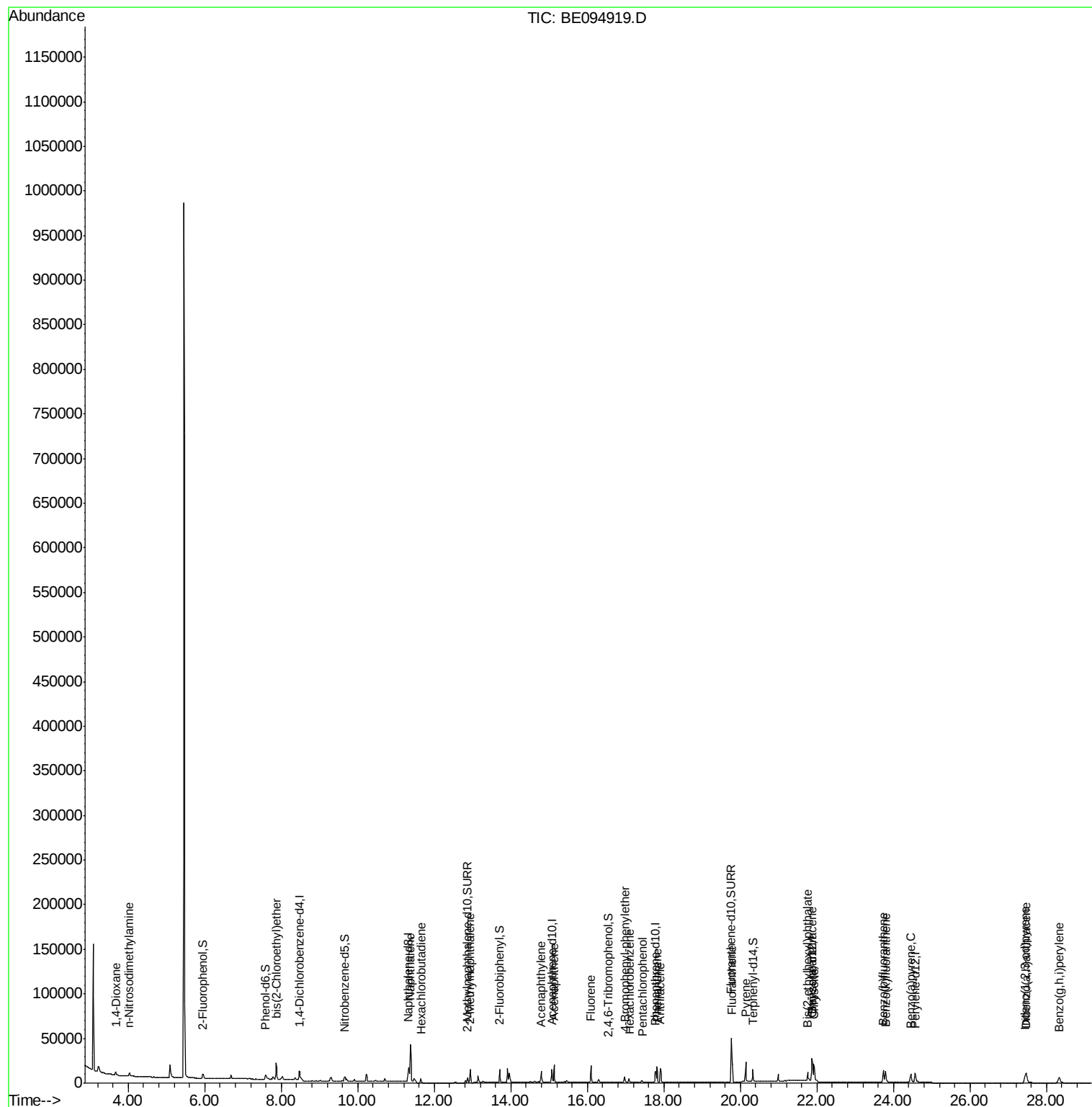
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.68	88	2405	0.253	ng	# 49
3) n-Nitrosodimethylamine	4.02	42	3746	0.309	ng	# 75
6) bis(2-Chloroethyl)ether	7.87	93	6215	0.294	ng	100
9) Naphthalene	11.38	128	67996	0.328	ng	99
10) Hexachlorobutadiene	11.64	225	2994	0.343	ng	96
12) 2-Methylnaphthalene	12.94	142	16126	0.313	ng	99
16) Acenaphthylene	14.79	152	13921	0.295	ng	99
17) Acenaphthene	15.13	154	9349	0.306	ng	94
18) Fluorene	16.10	166	11559	0.298	ng	# 79
20) 4-Bromophenyl-phenylether	16.98	248	3494	0.323	ng	# 70
21) Hexachlorobenzene	17.10	284	3476	0.329	ng	# 79
22) Pentachlorophenol	17.43	266	876	0.384	ng	# 72
23) Phenanthrene	17.82	178	20052	0.324	ng	99
24) Anthracene	17.91	178	20427	0.311	ng	# 92
26) Fluoranthene	19.79	202	22739	0.286	ng	99
28) Pyrene	20.14	202	22656	0.334	ng	99
30) Benzo(a)anthracene	21.87	228	19367	0.321	ng	# 61
31) Chrysene	21.92	228	18819m	0.283	ng	
32) Bis(2-ethylhexyl)phthalate	21.76	149	10962	0.110	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.44	276	18141	0.333	ng	# 48
35) Benzo(b)fluoranthene	23.74	252	18784	0.322	ng	# 41
36) Benzo(k)fluoranthene	23.79	252	18893	0.318	ng	# 41
37) Benzo(a)pyrene	24.45	252	16318	0.319	ng	# 34
38) Dibenzo(a,h)anthracene	27.47	278	15199	0.322	ng	# 44
39) Benzo(g,h,i)perylene	28.34	276	16331	0.346	ng	# 54

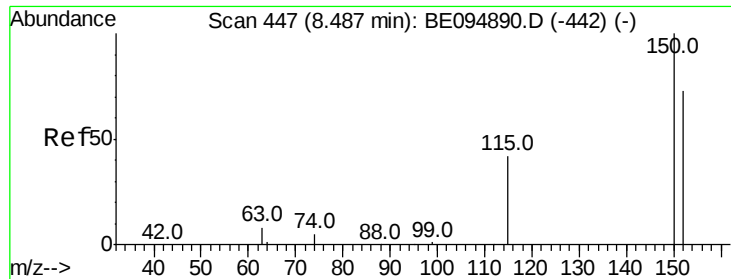
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.49 min Scan# 447

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

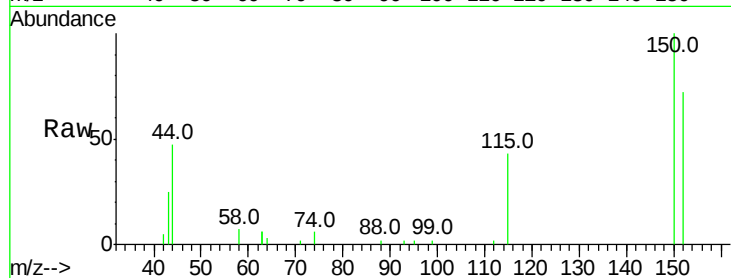
Tot Ion:152 Resp: 9097

Ion Ratio Lower Upper

152 100

150 139.5 117.2 175.8

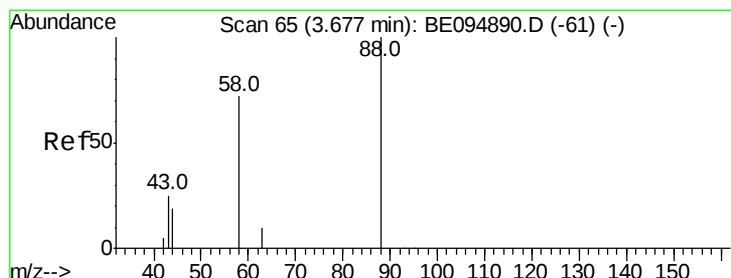
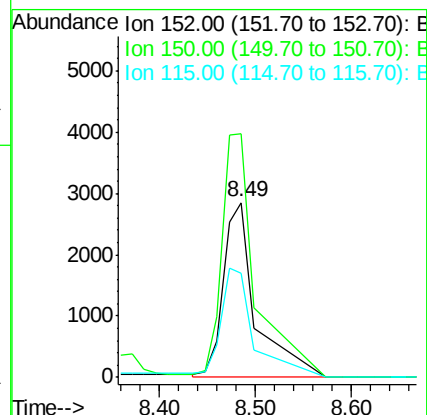
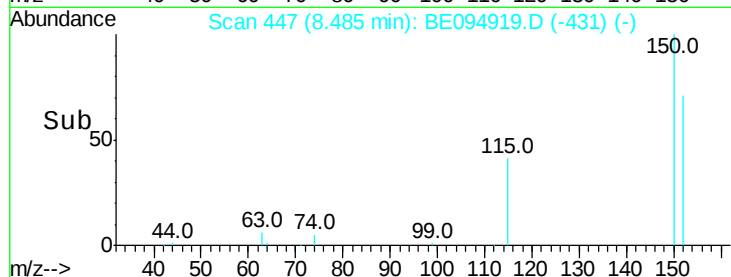
115 59.6 57.0 85.6



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: 0.253 ng

RT: 3.68 min Scan# 65

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

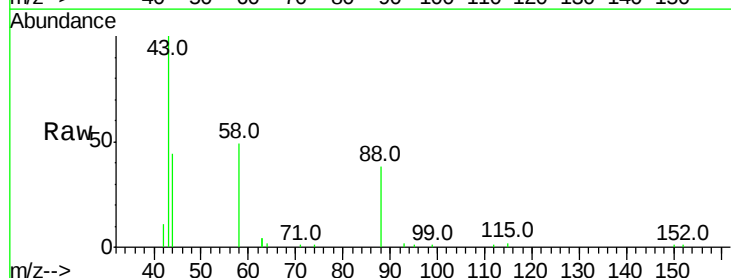
Tgt Ion: 88 Resp: 2405

Ion Ratio Lower Upper

88 100

58 117.6 63.2 94.8#

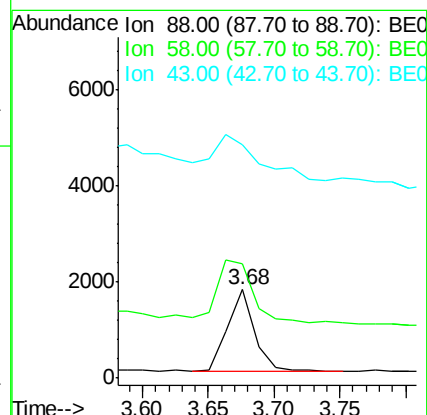
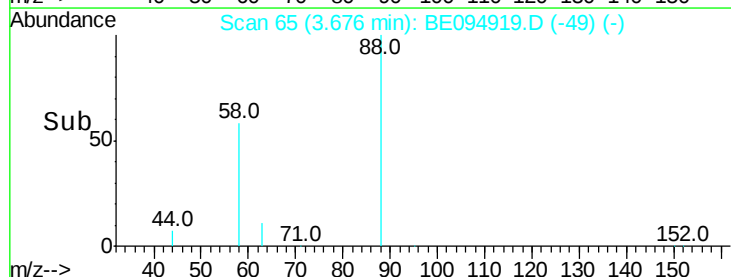
43 95.2 41.2 61.8#

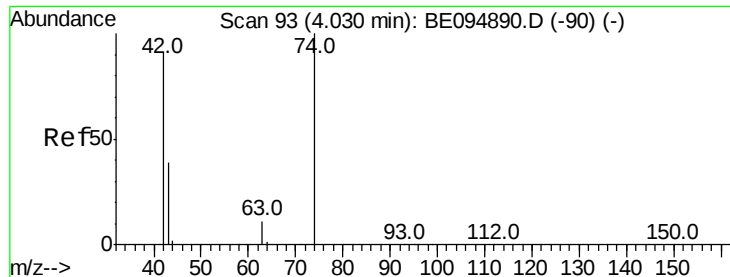


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.309 ng

RT: 4.02 min Scan# 92

Delta R.T. -0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

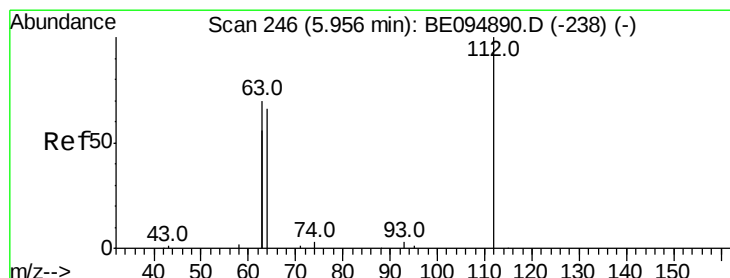
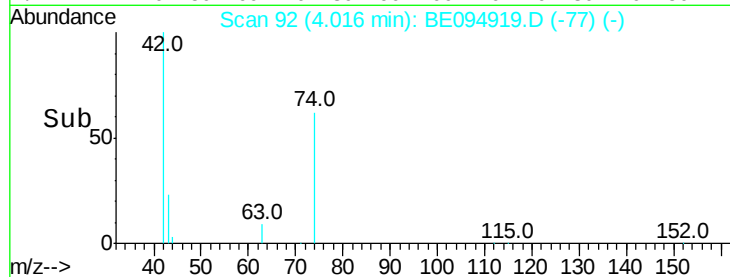
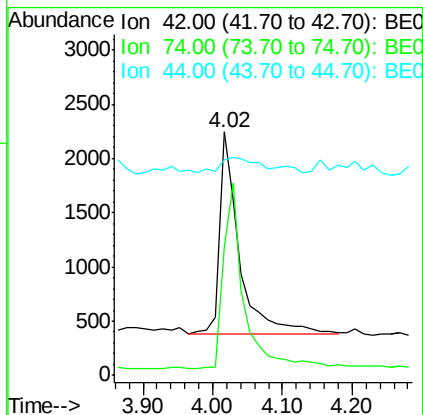
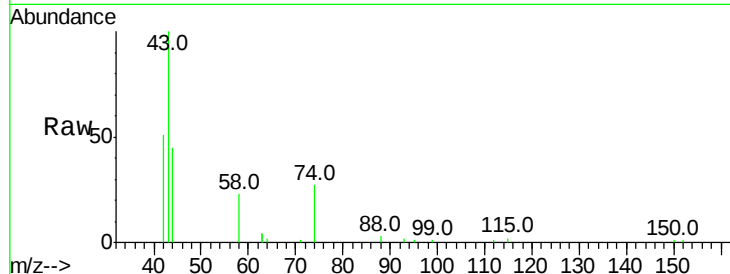
Tot Ion: 42 Resp: 3746

Ion Ratio Lower Upper

42 100

74 93.6 100.3 150.5#

44 16.9 17.0 25.4#



#4

2-Fluorophenol

Concen: 0.182 ng

RT: 5.95 min Scan# 246

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

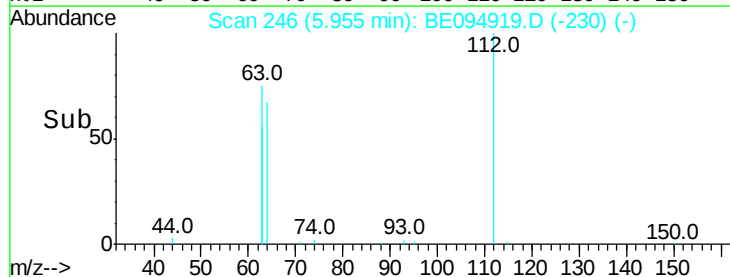
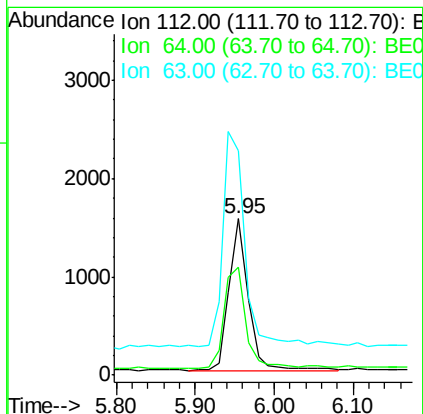
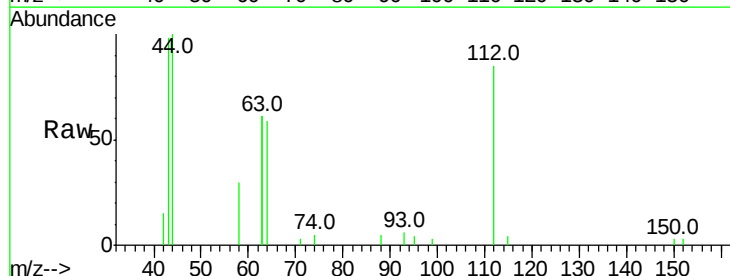
Tgt Ion: 112 Resp: 2622

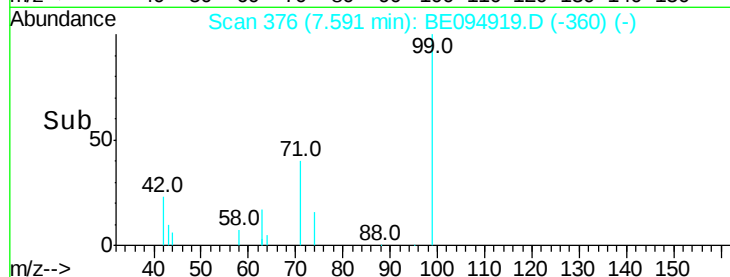
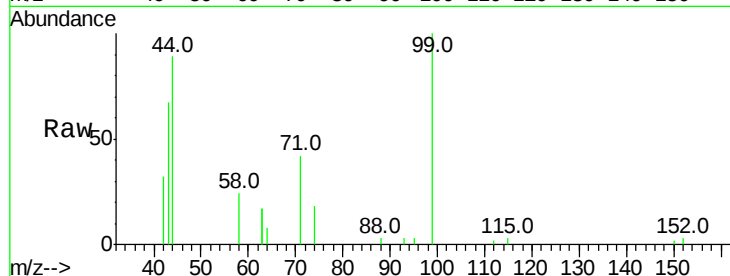
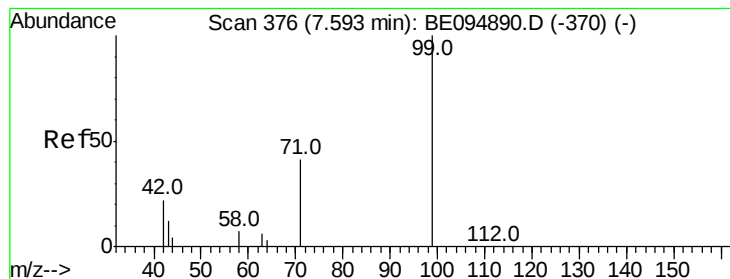
Ion Ratio Lower Upper

112 100

64 75.6 60.1 90.1

63 165.4 116.8 175.2





#5

Phenol-d6

Concen: 0.206 ng

RT: 7.59 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

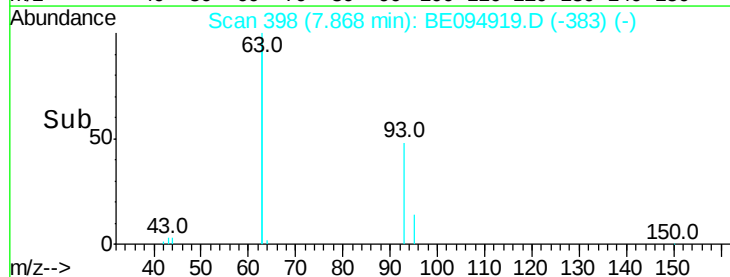
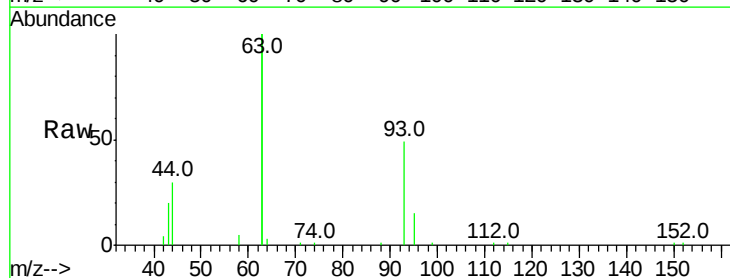
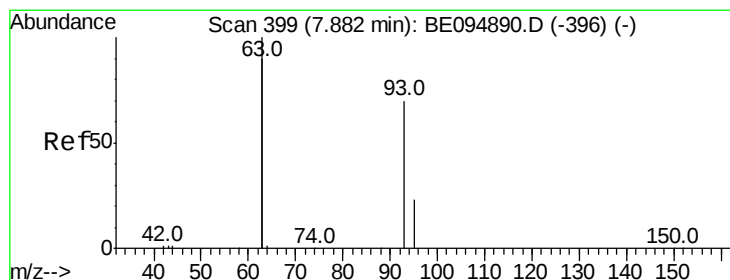
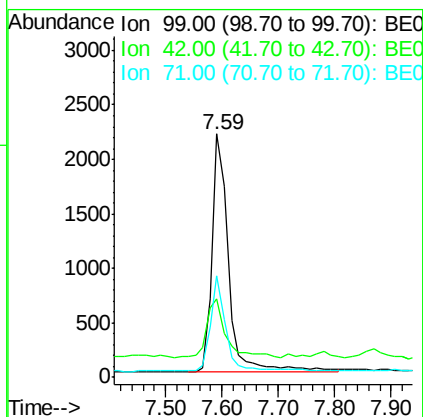
Tot Ion: 99 Resp: 4397

Ion Ratio Lower Upper

99 100

42 29.5 20.2 30.2

71 35.9 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.294 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

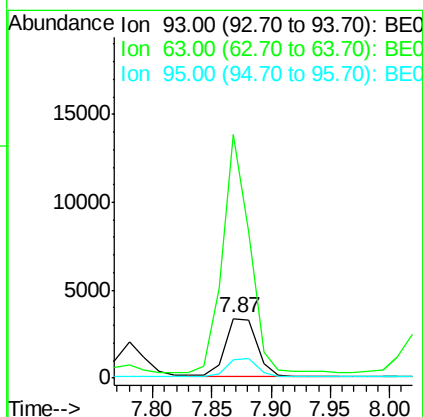
Tgt Ion: 93 Resp: 6215

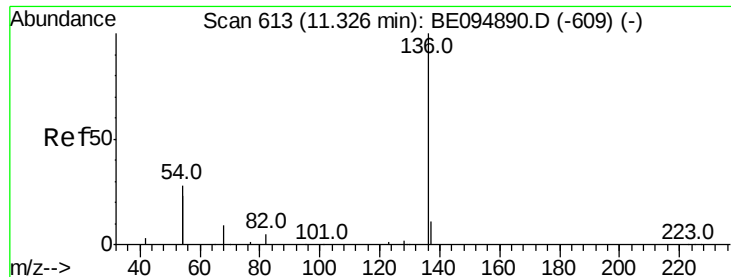
Ion Ratio Lower Upper

93 100

63 343.7 275.3 412.9

95 31.4 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

Tot Ion:136 Resp: 17659

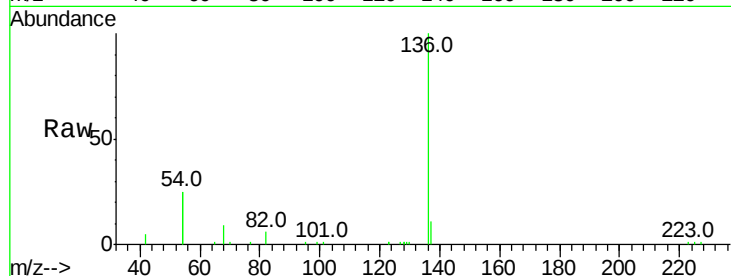
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 49.1 29.1 43.7#

68 8.9 6.2 9.2

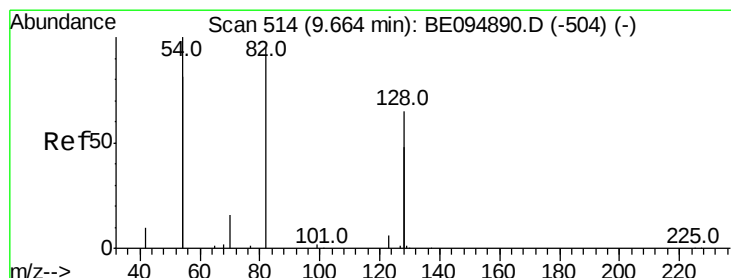
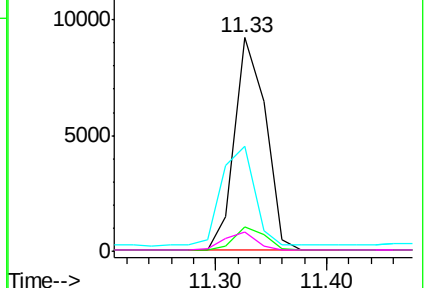
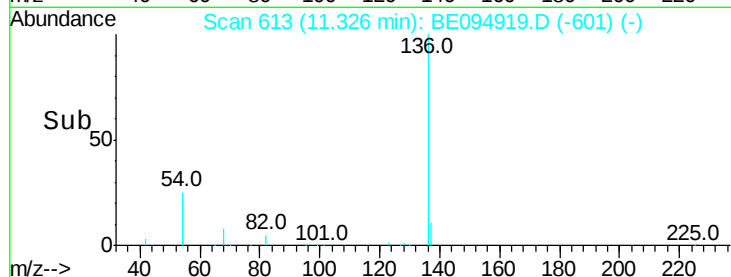


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.223 ng m

RT: 9.66 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

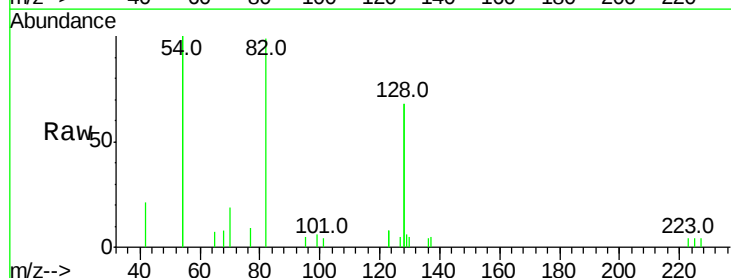
Tgt Ion: 82 Resp: 2333

Ion Ratio Lower Upper

82 100

128 68.0 150.0 225.0#

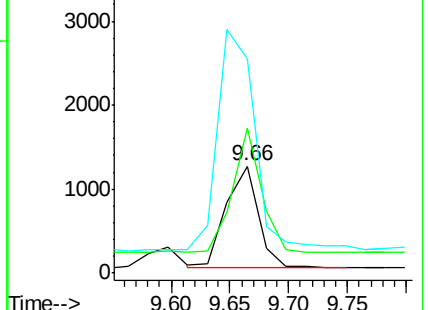
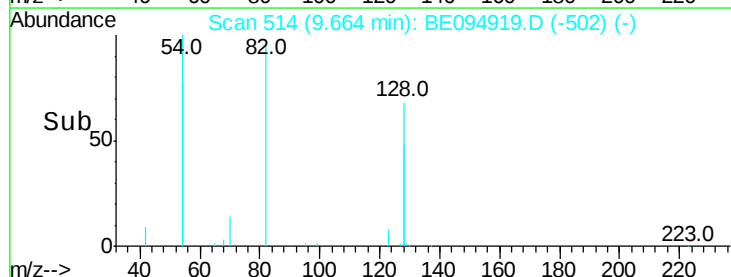
54 100.6 154.2 231.4#

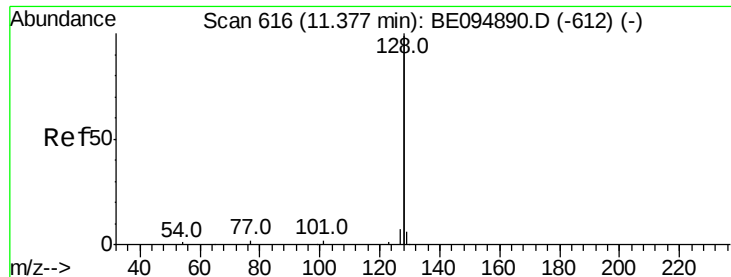


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.328 ng

RT: 11.38 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

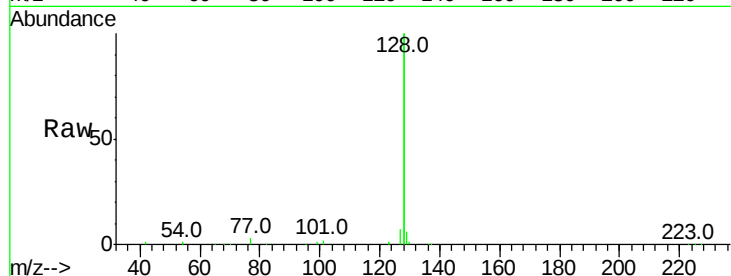
Tot Ion:128 Resp: 67996

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

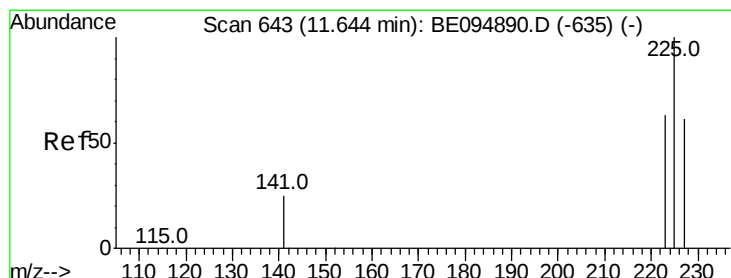
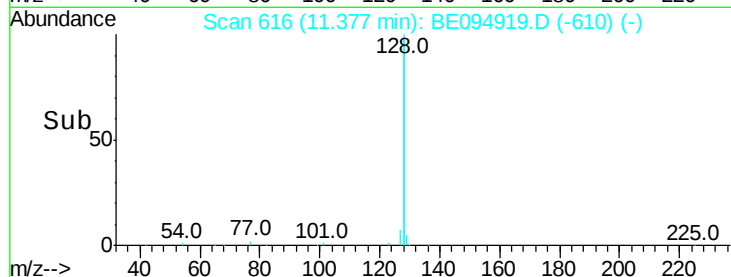
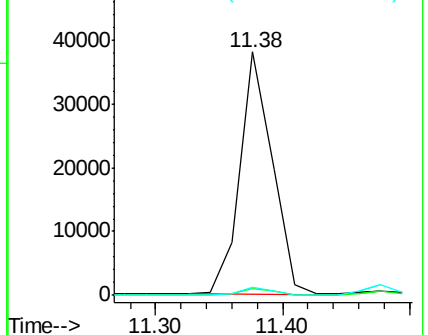
127 3.5 2.8 4.2



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: 0.343 ng

RT: 11.64 min Scan# 643

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

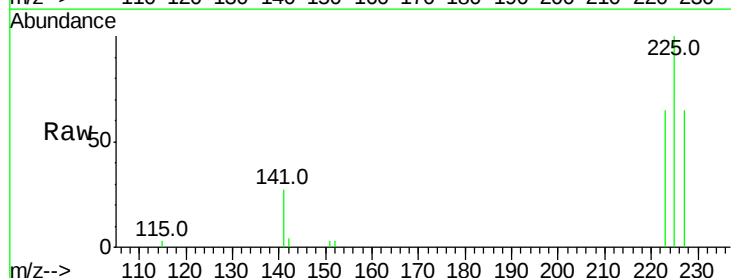
Tgt Ion:225 Resp: 2994

Ion Ratio Lower Upper

225 100

223 61.6 53.0 79.6

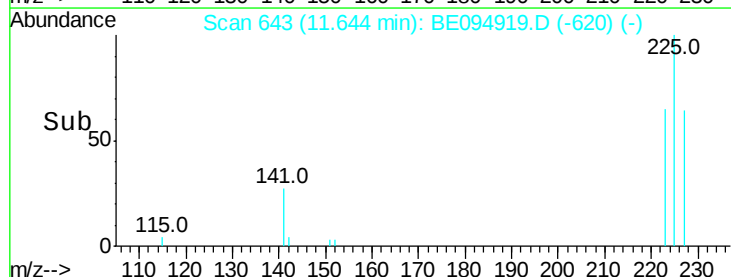
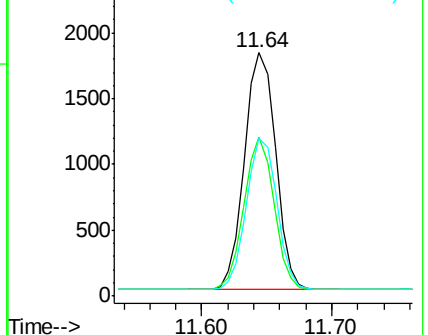
227 62.8 51.4 77.2

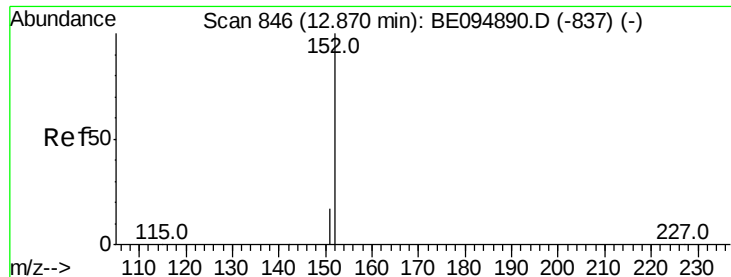


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

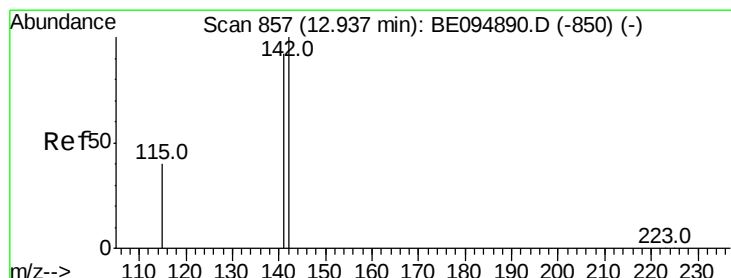
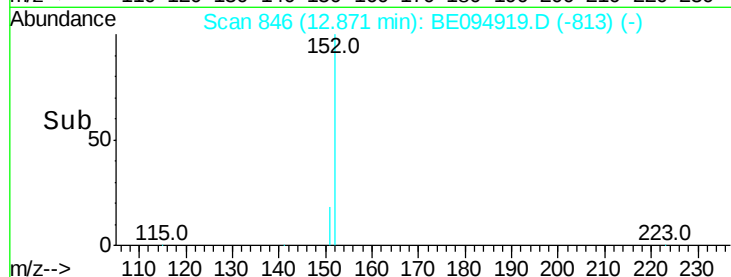
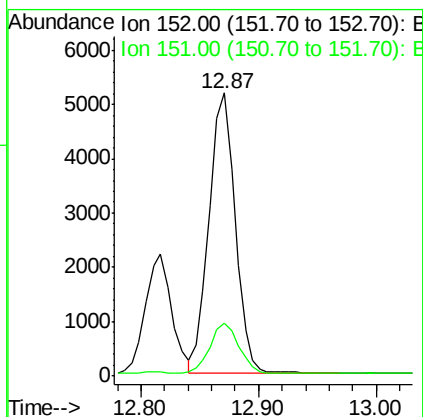
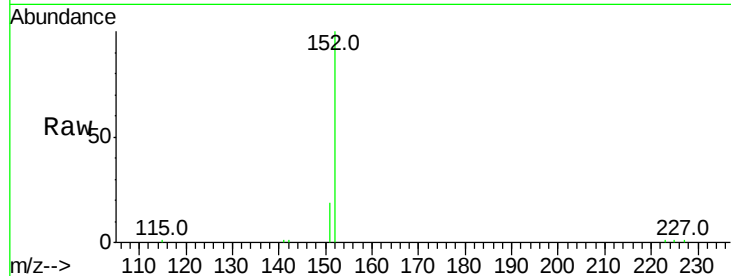




#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: BE094919.D
Acq: 5 Dec 2017 17:52

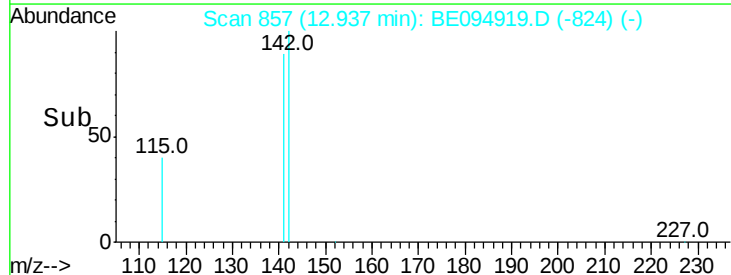
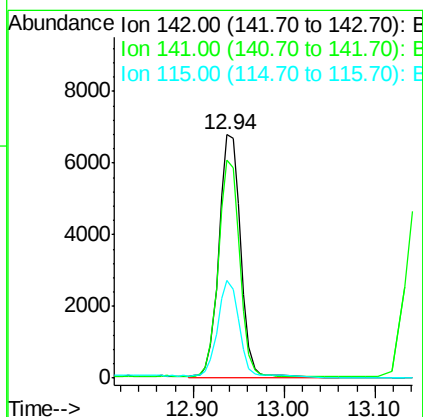
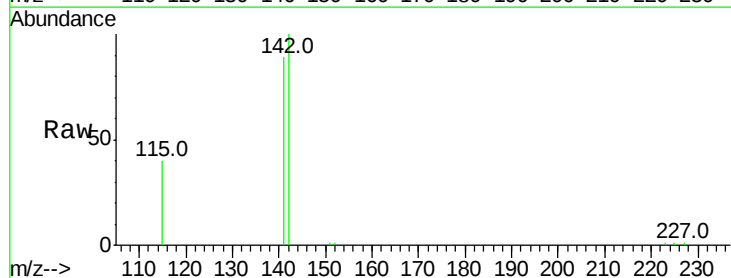
Instrument :
BNA_E
ClientSampleId :
PB104097BS

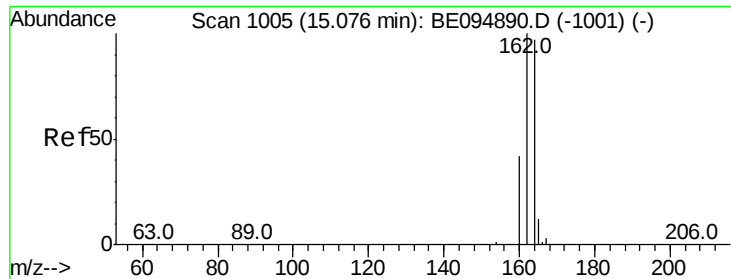
Tot Ion:152 Resp: 7936
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.313 ng
RT: 12.94 min Scan# 857
Delta R.T. 0.00 min
Lab File: BE094919.D
Acq: 5 Dec 2017 17:52

Tgt Ion:142 Resp: 16126
Ion Ratio Lower Upper
142 100
141 89.5 70.4 105.6
115 40.3 31.7 47.5

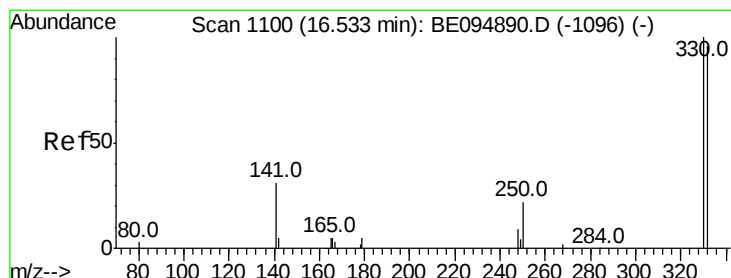
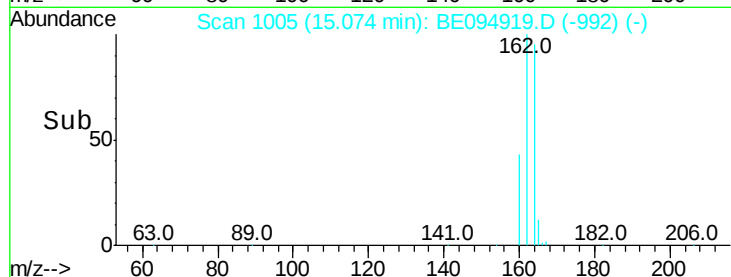
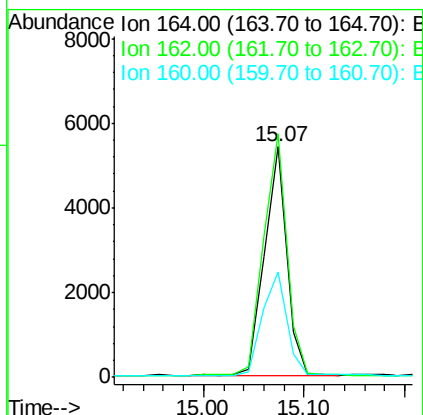
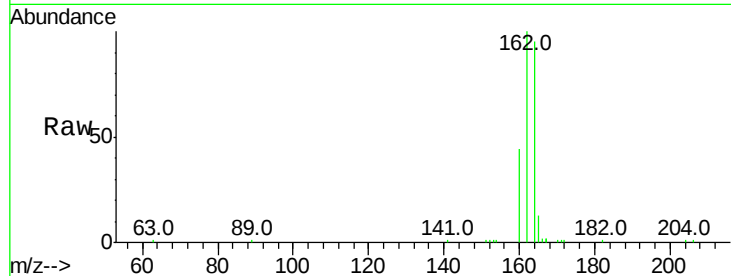




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.07 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BE094919.D
 Acq: 5 Dec 2017 17:52

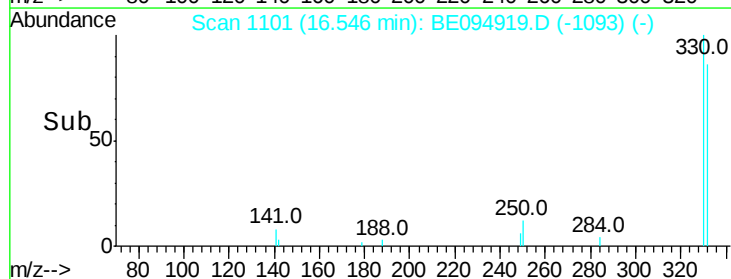
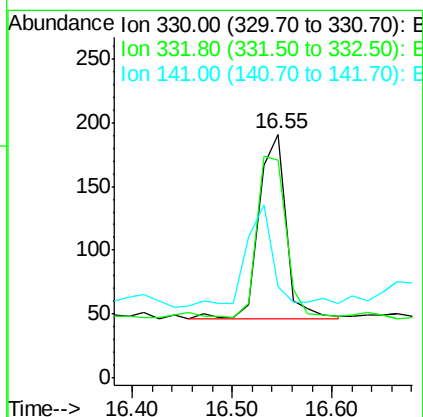
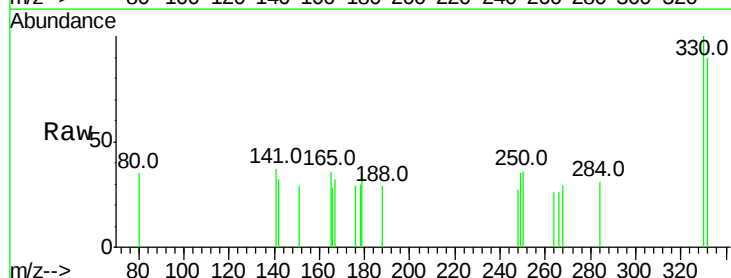
Instrument :
 BNA_E
 ClientSampleId :
 PB104097BS

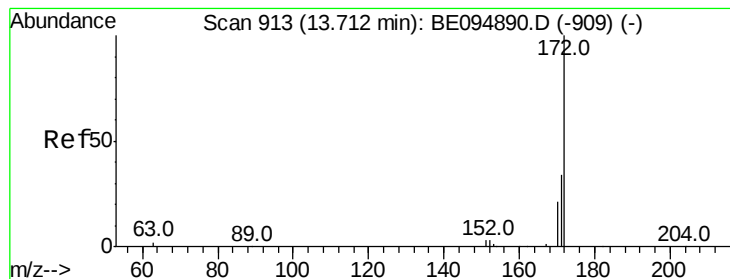
Tot Ion:164 Resp: 8361
 Ion Ratio Lower Upper
 164 100
 162 105.6 83.1 124.7
 160 45.9 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.232 ng
 RT: 16.55 min Scan# 1101
 Delta R.T. 0.01 min
 Lab File: BE094919.D
 Acq: 5 Dec 2017 17:52

Tgt Ion:330 Resp: 278
 Ion Ratio Lower Upper
 330 100
 332 92.4 152.7 229.1#
 141 52.5 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.337 ng

RT: 13.71 min Scan# 913

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

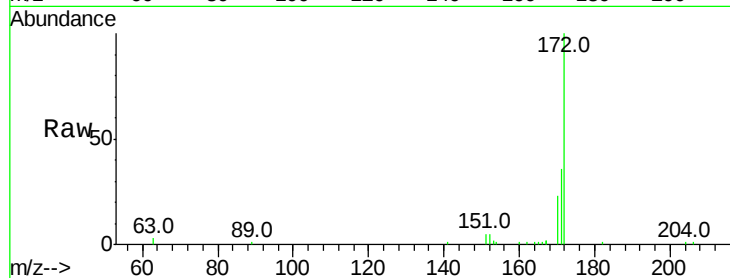
BNA_E

ClientSampleId :

PB104097BS

Tot Ion:172 Resp: 12056

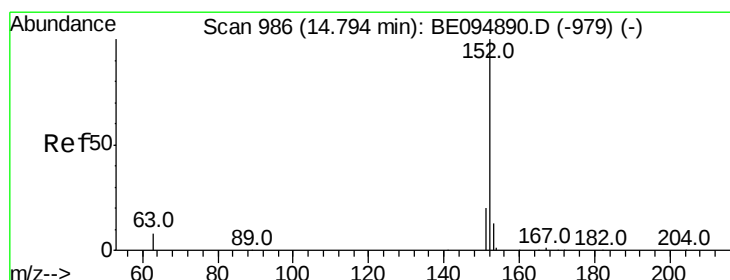
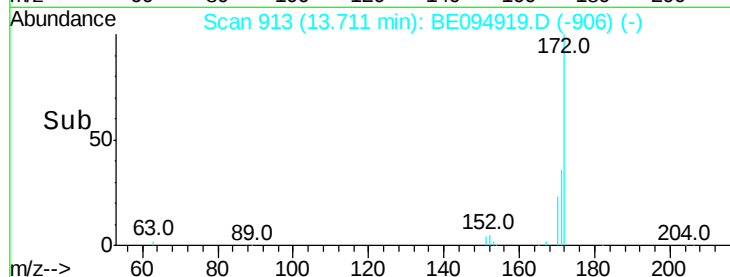
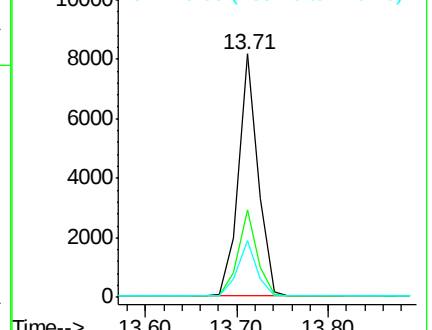
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	23.1	21.8	32.8



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: 0.295 ng

RT: 14.79 min Scan# 986

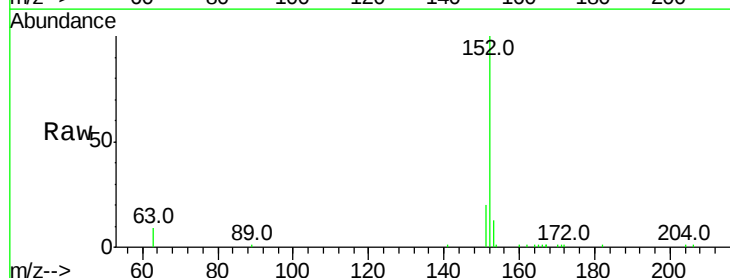
Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Tgt Ion:152 Resp: 13921

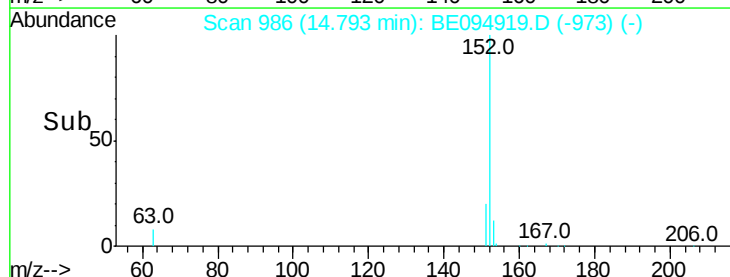
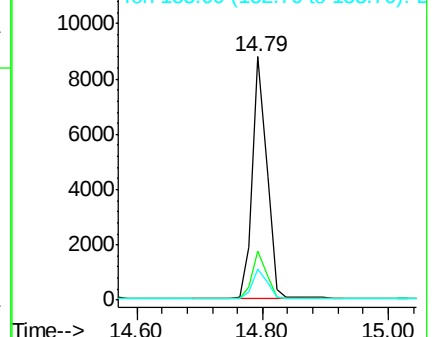
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.6	10.5	15.7

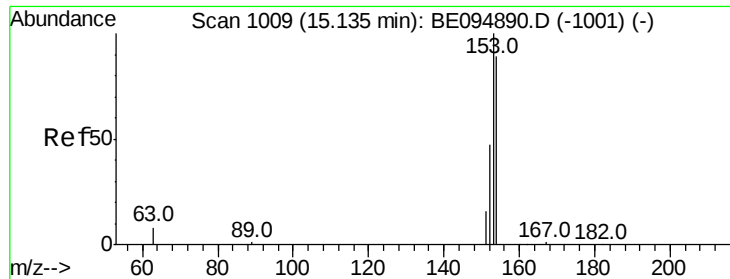


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.306 ng

RT: 15.13 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

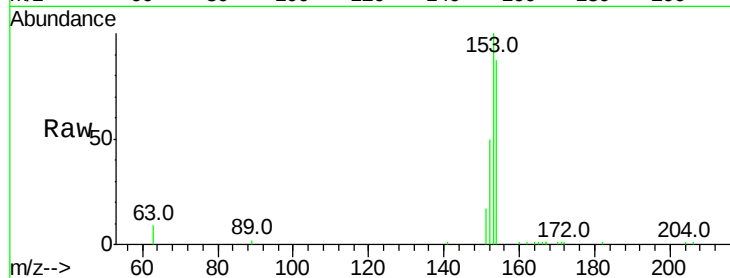
Tot Ion:154 Resp: 9349

Ion Ratio Lower Upper

154 100

153 116.3 89.2 133.8

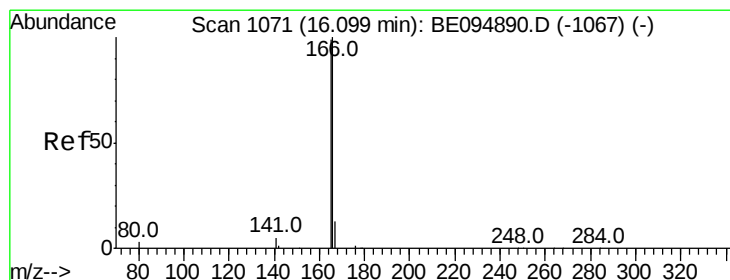
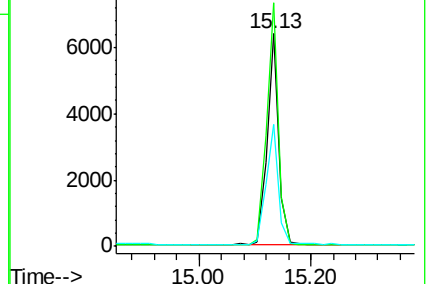
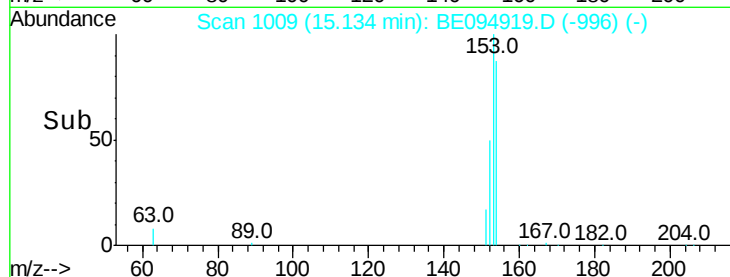
152 59.7 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.298 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

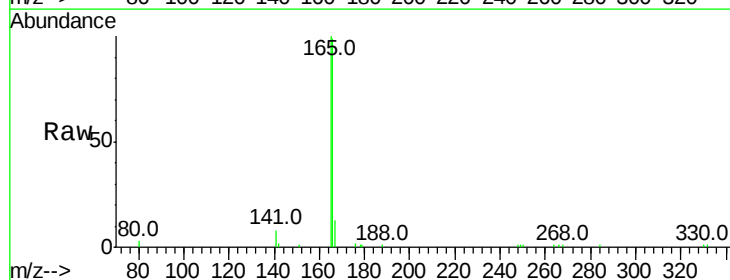
Tgt Ion:166 Resp: 11559

Ion Ratio Lower Upper

166 100

165 99.8 77.8 116.6

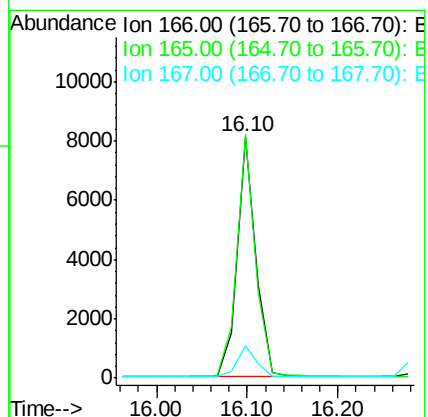
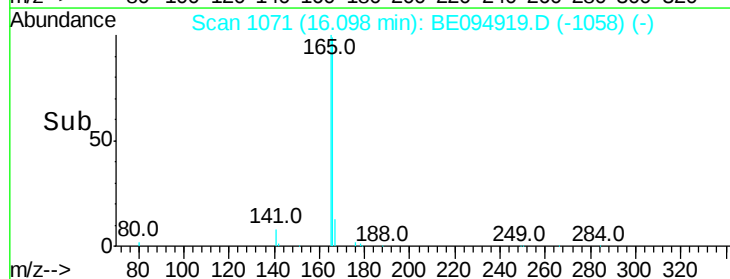
167 13.3 42.4 63.6#

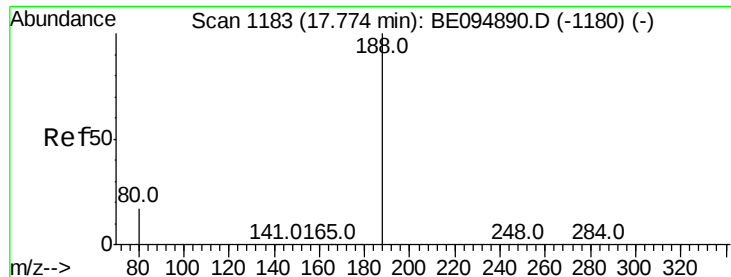


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.79 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

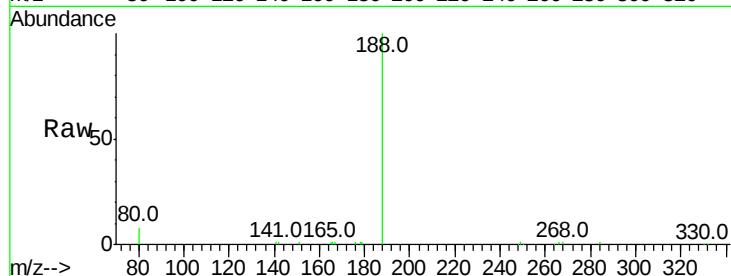
Tot Ion:188 Resp: 19410

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

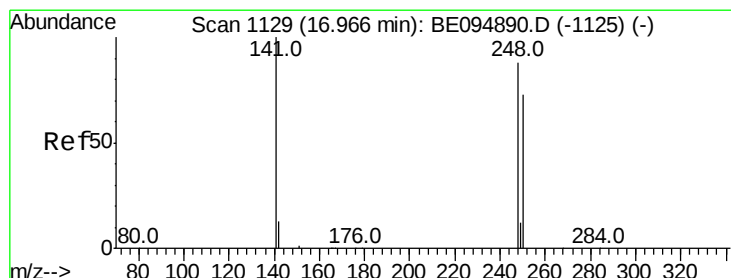
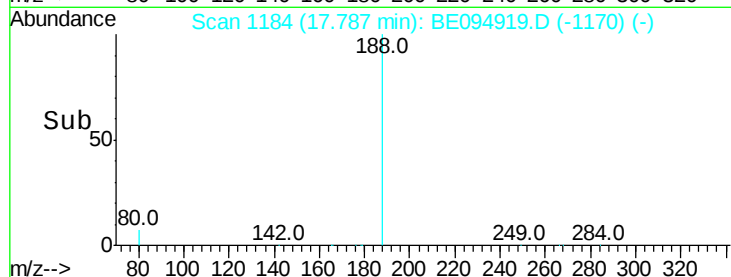
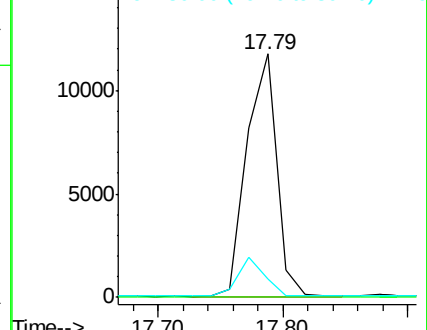
80 7.6 3.6 5.4#



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: 0.323 ng

RT: 16.98 min Scan# 1130

Delta R.T. 0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

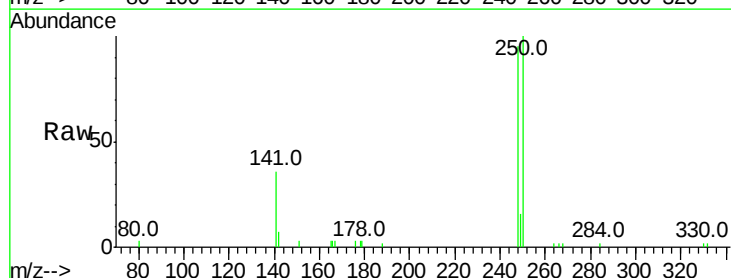
Tgt Ion:248 Resp: 3494

Ion Ratio Lower Upper

248 100

250 105.4 62.7 94.1#

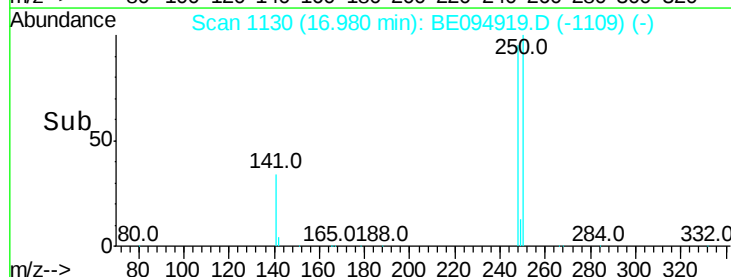
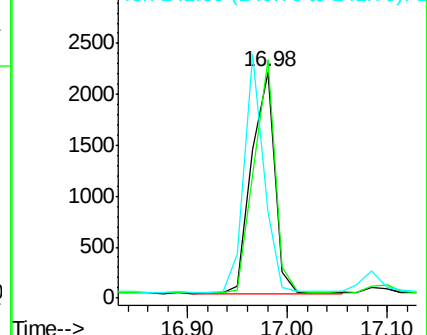
141 38.0 48.2 72.2#

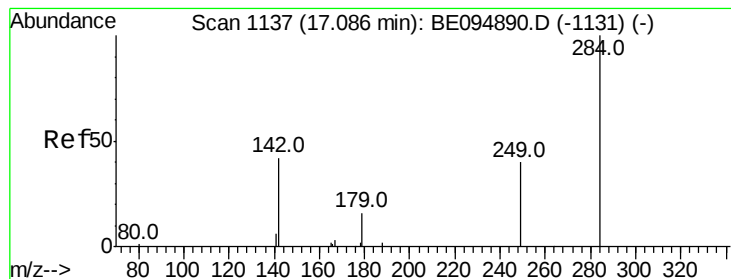


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.329 ng

RT: 17.10 min Scan# 1138

Delta R.T. 0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

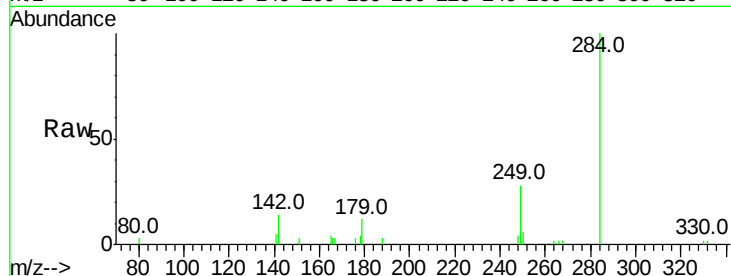
Tot Ion:284 Resp: 3476

Ion Ratio Lower Upper

284 100

142 47.8 22.1 33.1#

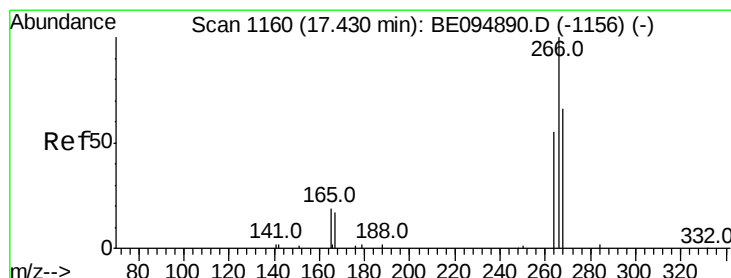
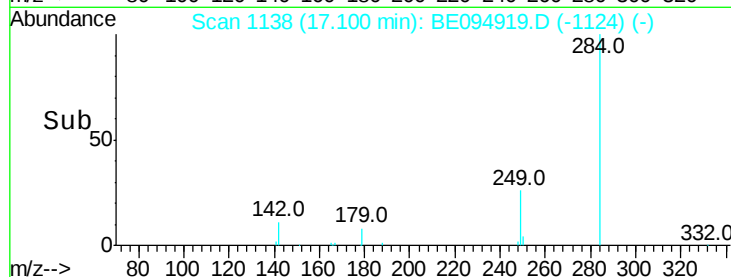
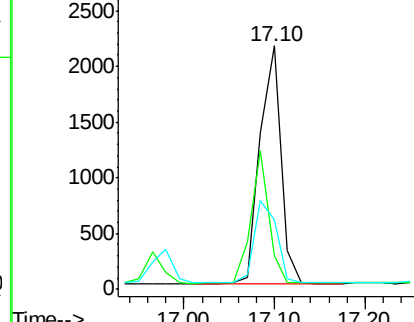
249 37.6 34.8 52.2



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: 0.384 ng

RT: 17.43 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

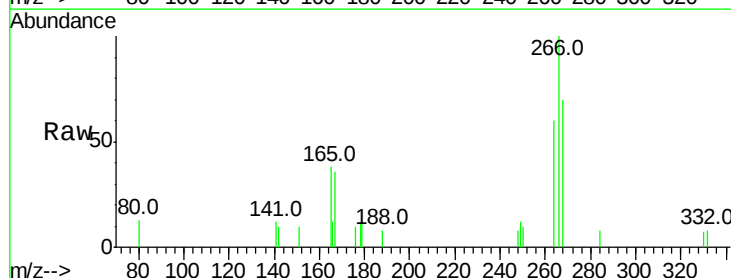
Tgt Ion:266 Resp: 876

Ion Ratio Lower Upper

266 100

264 59.8 72.5 108.7#

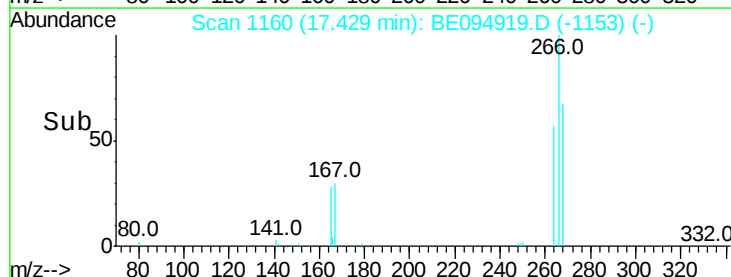
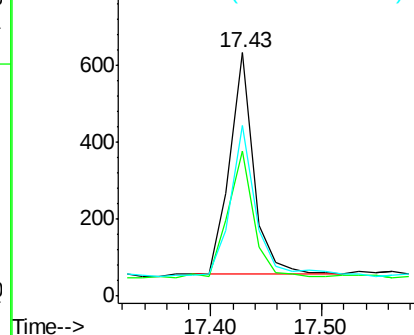
268 70.1 73.8 110.6#

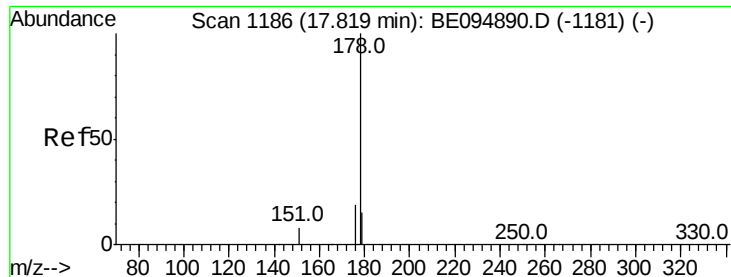


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.324 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

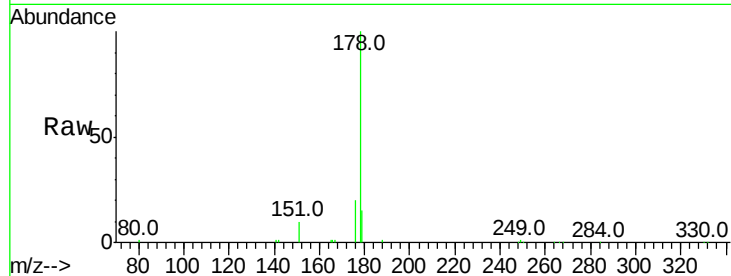
Tot Ion:178 Resp: 20052

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

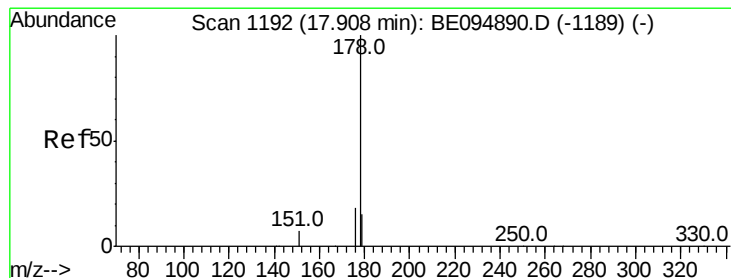
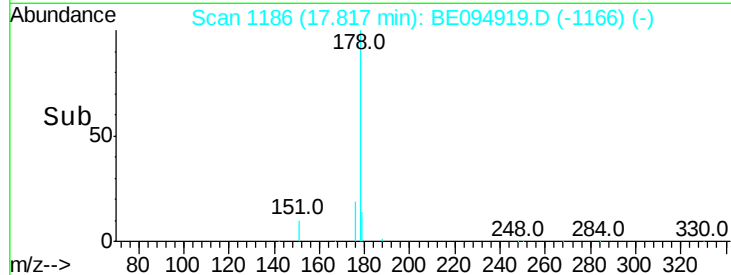
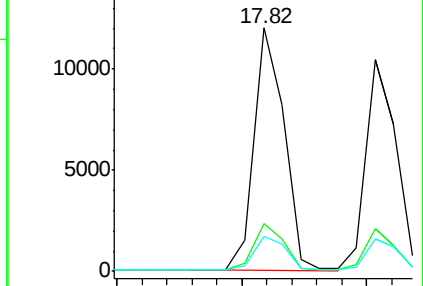
179 15.0 11.8 17.6



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: 0.311 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

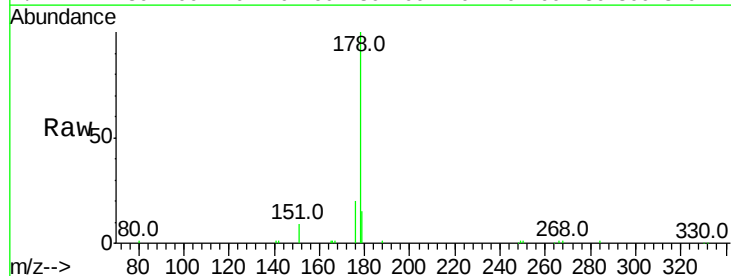
Tgt Ion:178 Resp: 20427

Ion Ratio Lower Upper

178 100

176 21.0 12.8 19.2#

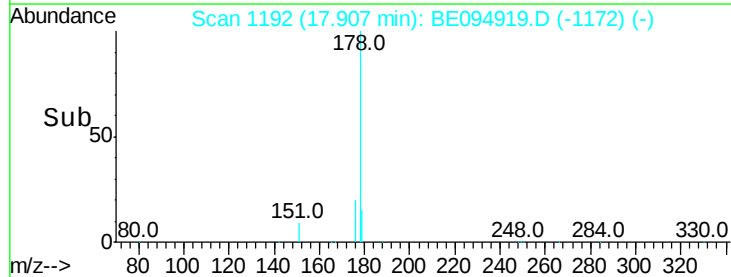
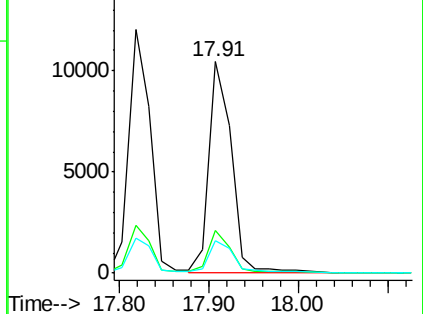
179 18.5 13.0 19.6

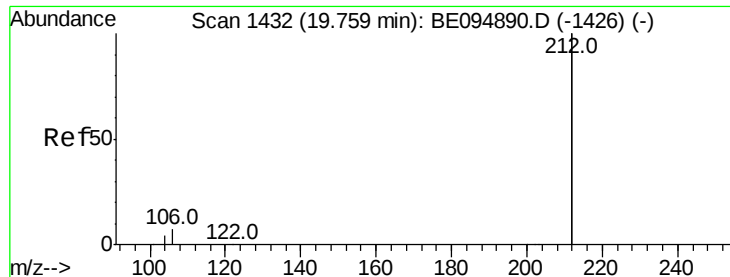


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.252 ng

RT: 19.76 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

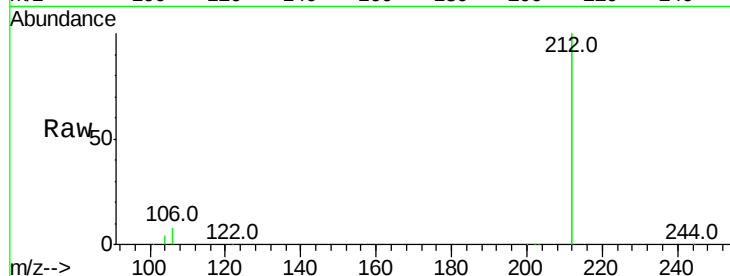
Tot Ion:212 Resp: 66718

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

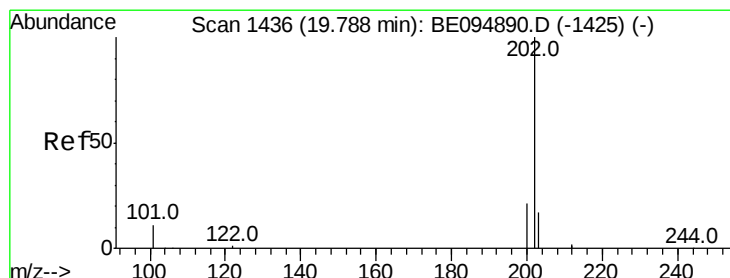
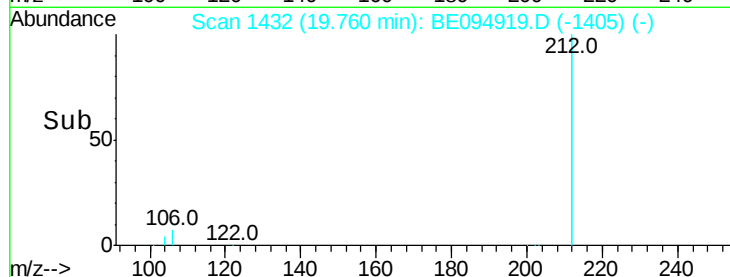
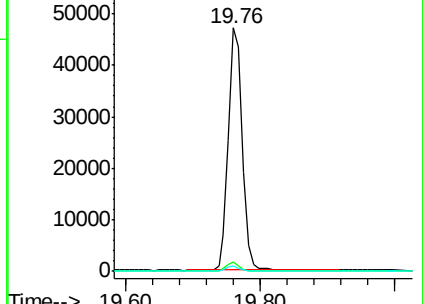
104 2.0 1.6 2.4



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: 0.286 ng

RT: 19.79 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

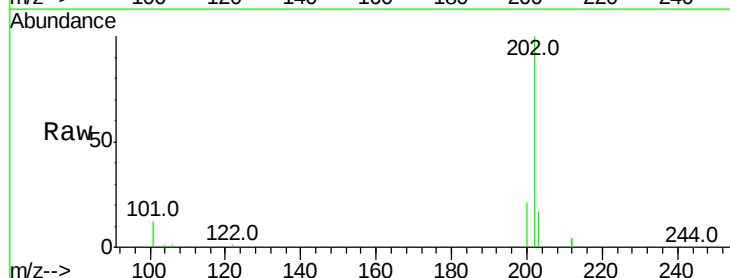
Tgt Ion:202 Resp: 22739

Ion Ratio Lower Upper

202 100

101 11.9 9.8 14.8

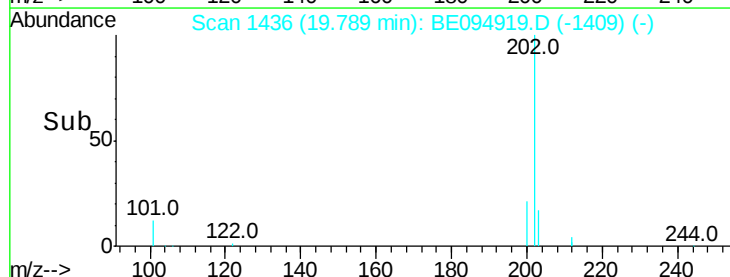
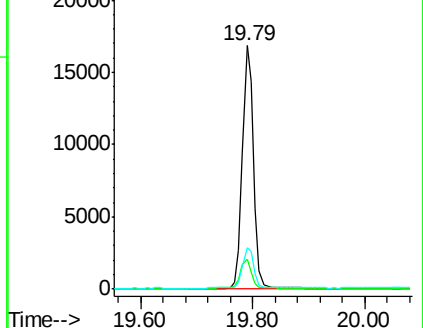
203 17.0 13.7 20.5

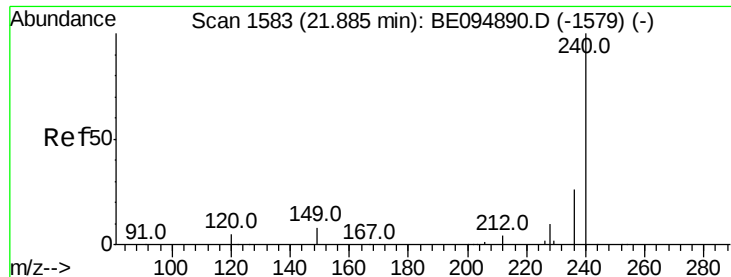


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

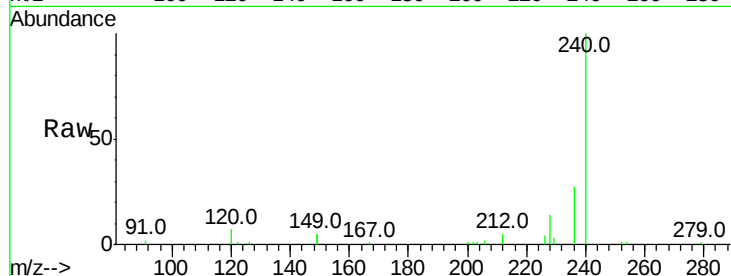




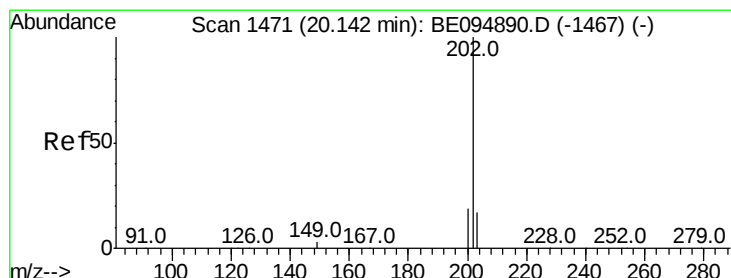
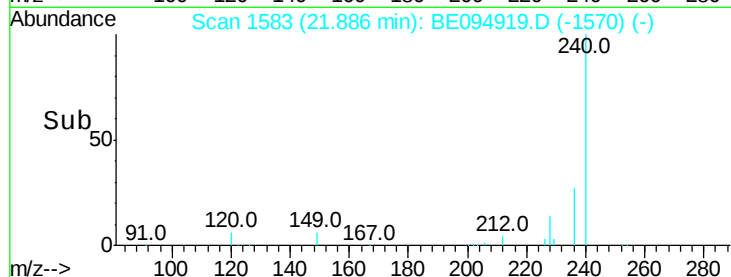
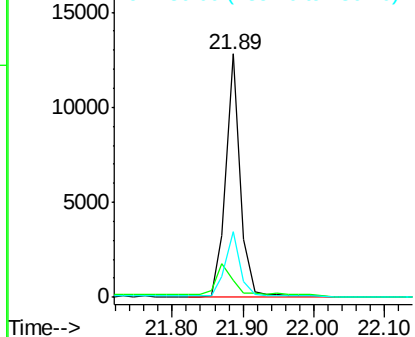
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.89 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BE094919.D
 Acq: 5 Dec 2017 17:52

Instrument :
 BNA_E
 ClientSampleId :
 PB104097BS

Tot Ion:240 Resp: 19645
 Ion Ratio Lower Upper
 240 100
 120 7.3 5.5 8.3
 236 27.1 20.7 31.1

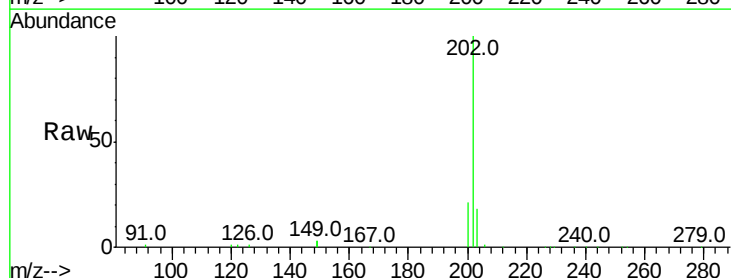


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

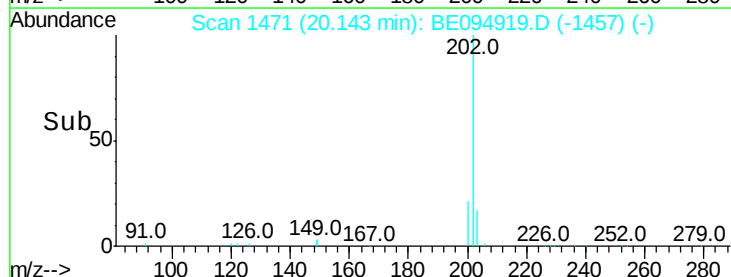
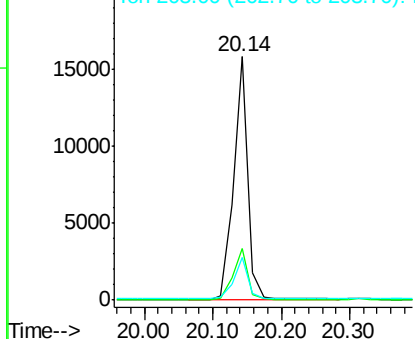


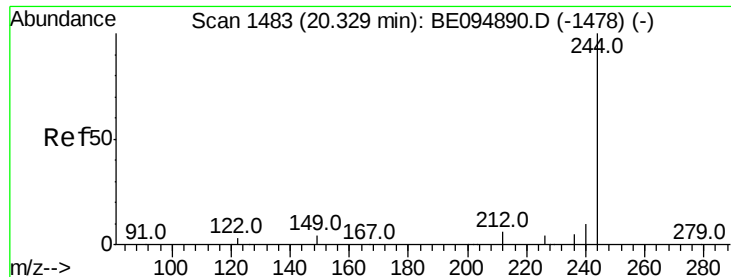
#28
 Pyrene
 Concen: 0.334 ng
 RT: 20.14 min Scan# 1471
 Delta R.T. 0.00 min
 Lab File: BE094919.D
 Acq: 5 Dec 2017 17:52

Tgt Ion:202 Resp: 22656
 Ion Ratio Lower Upper
 202 100
 200 21.5 16.6 25.0
 203 17.7 13.8 20.8



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: 0.351 ng

RT: 20.33 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

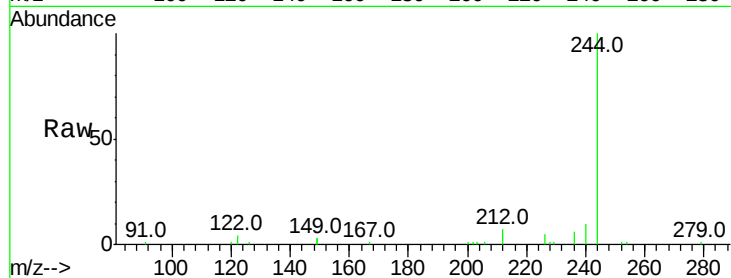
Tot Ion:244 Resp: 12717

Ion Ratio Lower Upper

244 100

212 7.3 25.4 38.0#

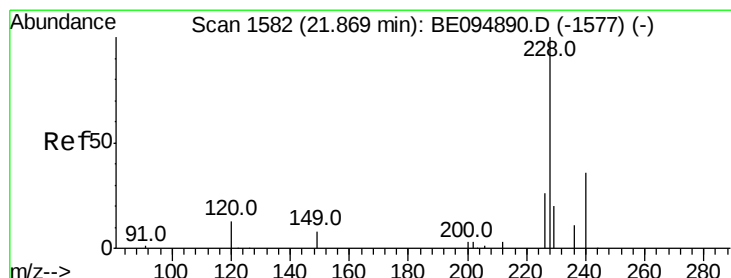
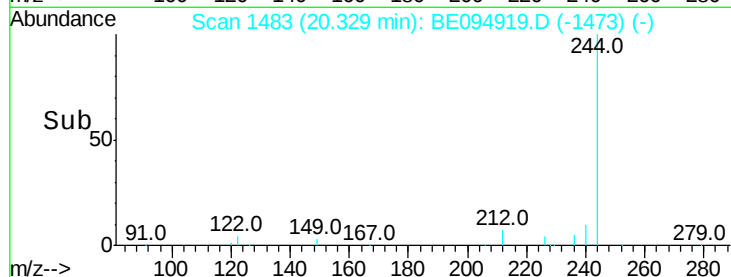
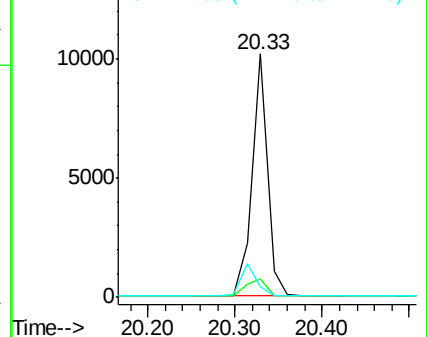
122 4.3 8.1 12.1#



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: 0.321 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

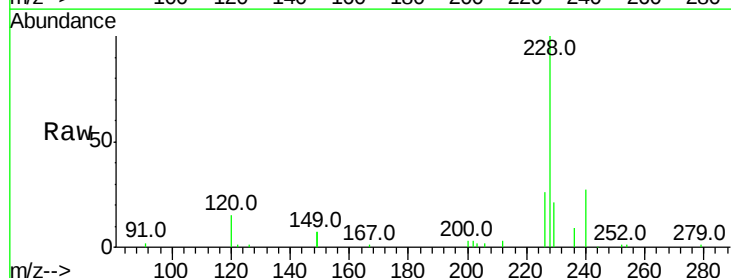
Tgt Ion:228 Resp: 19367

Ion Ratio Lower Upper

228 100

226 26.3 40.0 60.0#

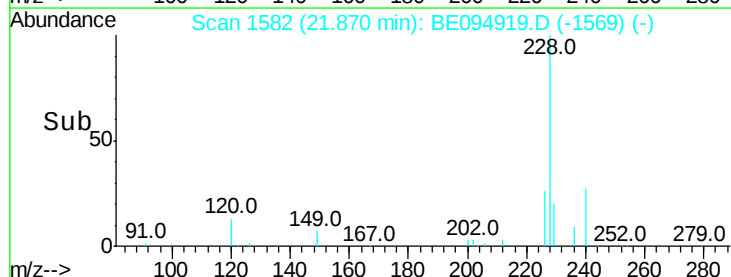
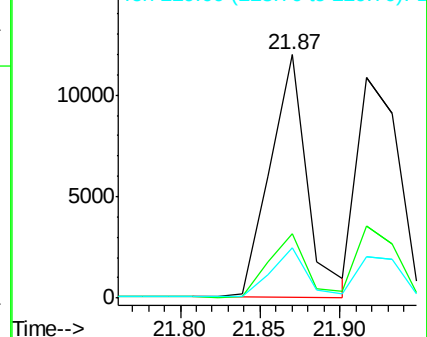
229 20.5 40.0 60.0#

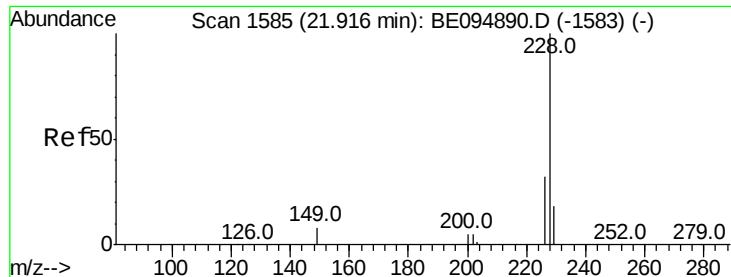


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.283 ng/mL

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

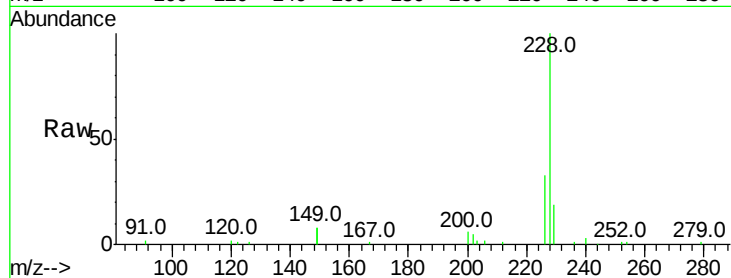
Tot Ion:228 Resp: 18819

Ion Ratio Lower Upper

228 100

226 32.7 40.0 60.0#

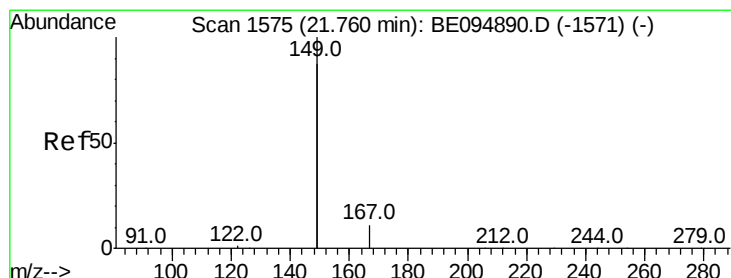
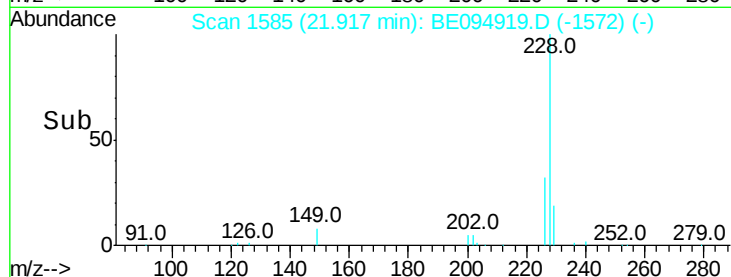
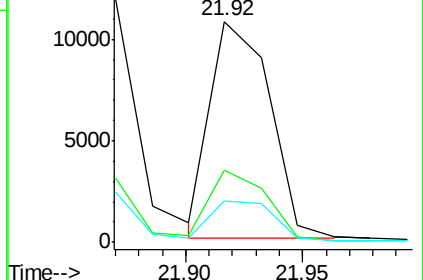
229 19.0 40.0 60.0#



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: 0.110 ng/mL

RT: 21.76 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

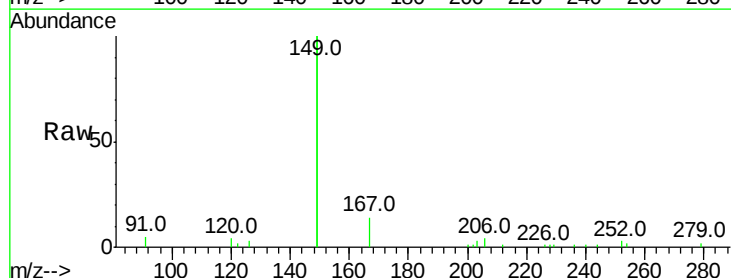
Tgt Ion:149 Resp: 10962

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

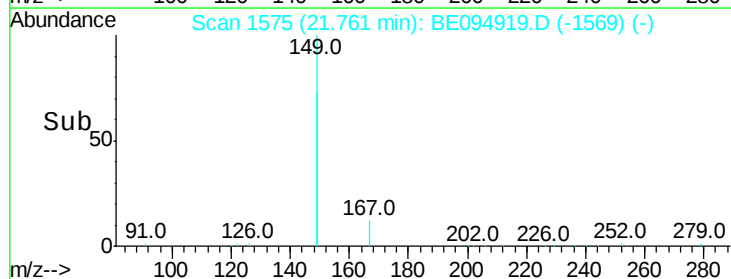
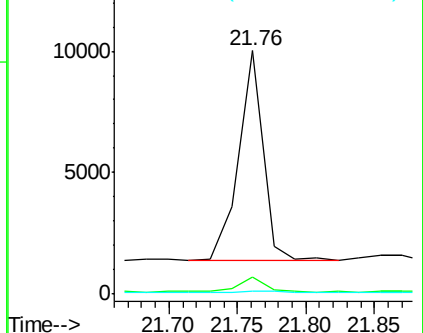
279 1.3 0.7 1.1#

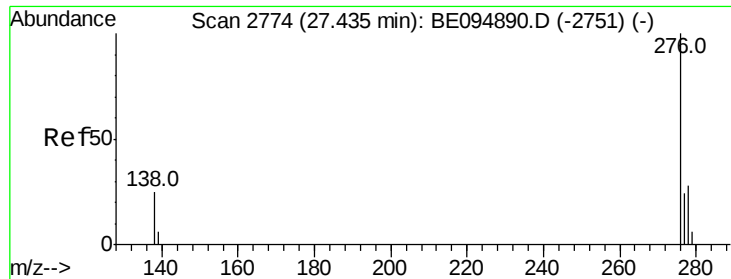


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.333 ng

RT: 27.44 min Scan# 2776

Delta R.T. 0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

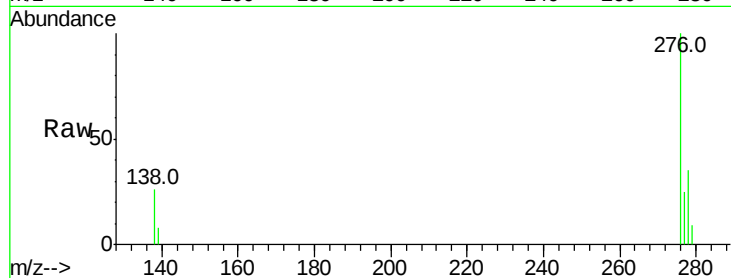
Tot Ion:276 Resp: 18141

Ion Ratio Lower Upper

276 100

138 0.0 22.5 33.7#

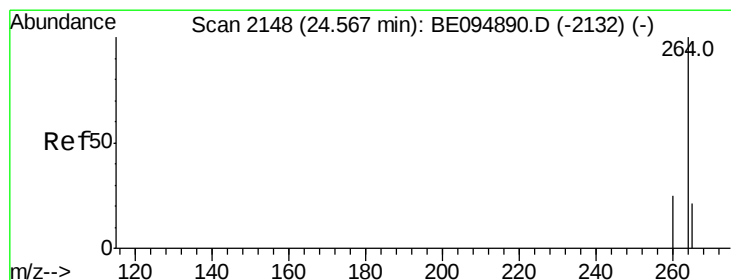
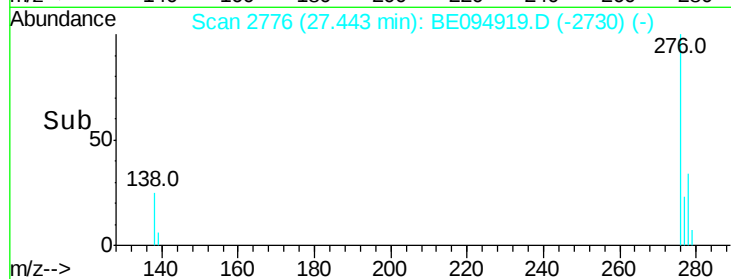
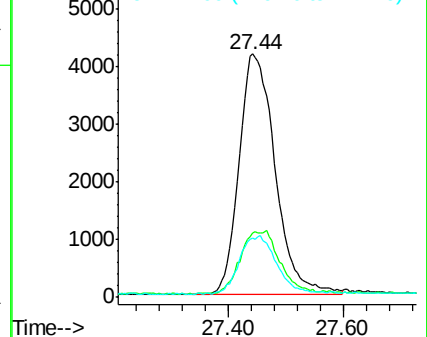
277 0.0 19.9 29.9#



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: 0.400 ng

RT: 24.57 min Scan# 2149

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

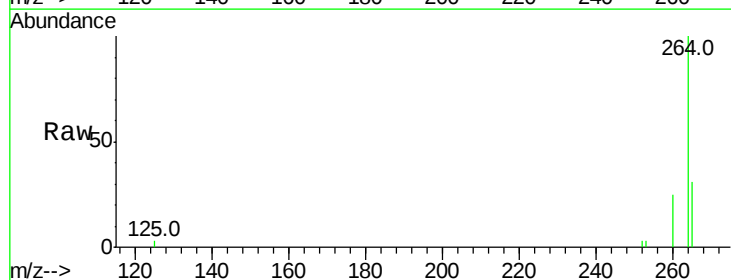
Tgt Ion:264 Resp: 15987

Ion Ratio Lower Upper

264 100

260 24.7 20.5 30.7

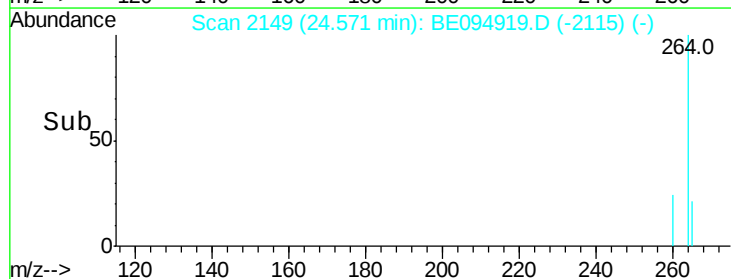
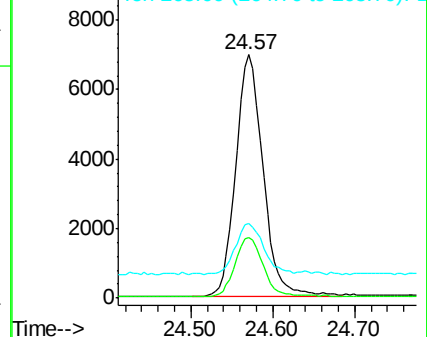
265 30.8 22.8 34.2

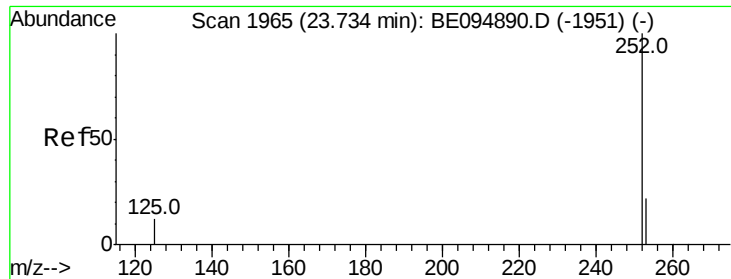


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.322 ng

RT: 23.74 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

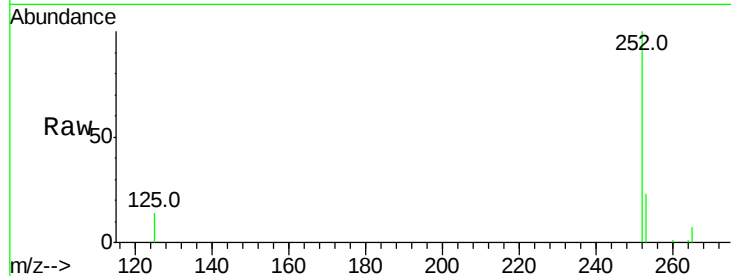
Tot Ion:252 Resp: 18784

Ion Ratio Lower Upper

252 100

253 23.3 48.0 72.0#

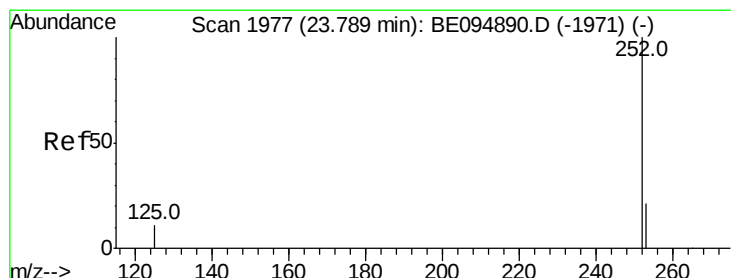
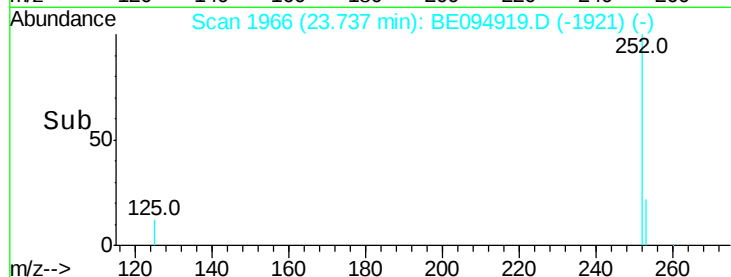
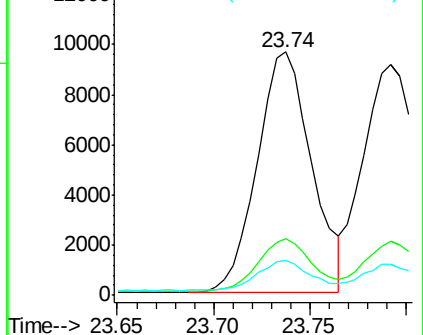
125 14.4 56.0 84.0#



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: 0.318 ng

RT: 23.79 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

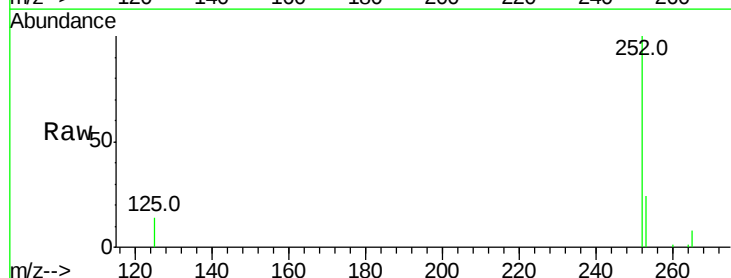
Tgt Ion:252 Resp: 18893

Ion Ratio Lower Upper

252 100

253 23.8 48.0 72.0#

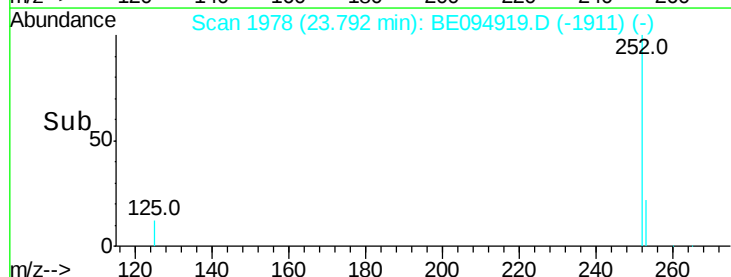
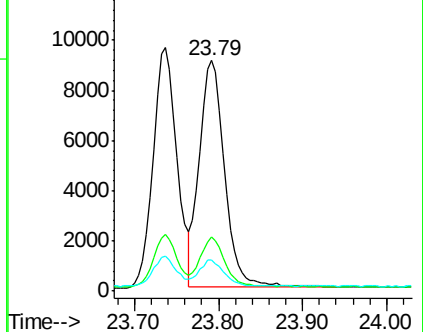
125 13.5 56.0 84.0#

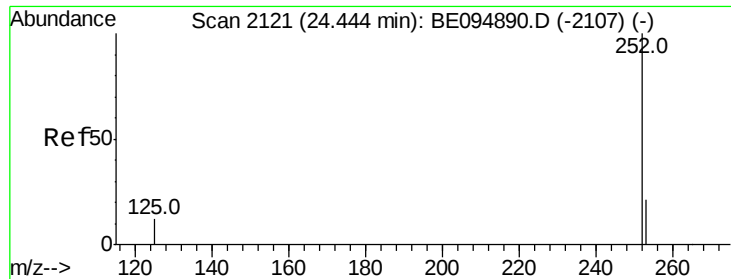


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.319 ng

RT: 24.45 min Scan# 2123

Delta R.T. 0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

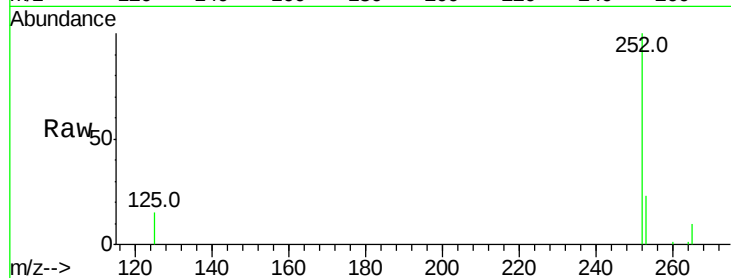
Tot Ion:252 Resp: 16318

Ion Ratio Lower Upper

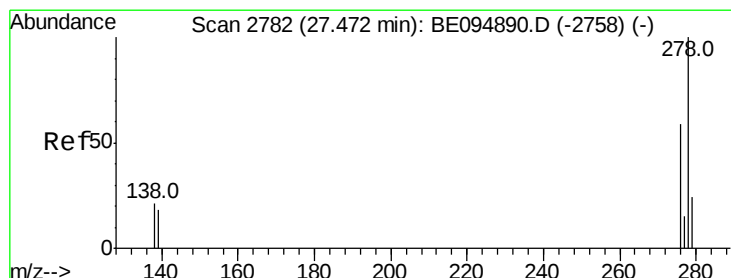
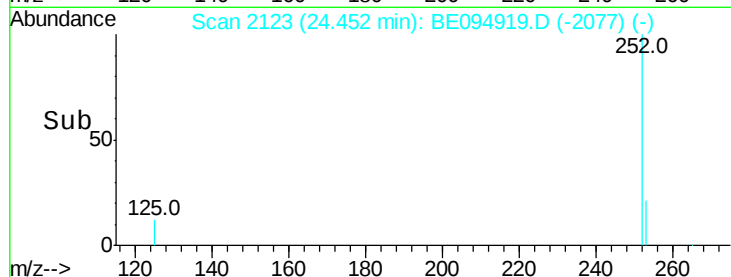
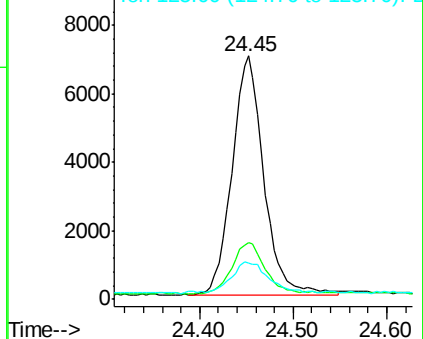
252 100

253 23.3 52.0 78.0#

125 15.1 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.322 ng

RT: 27.47 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

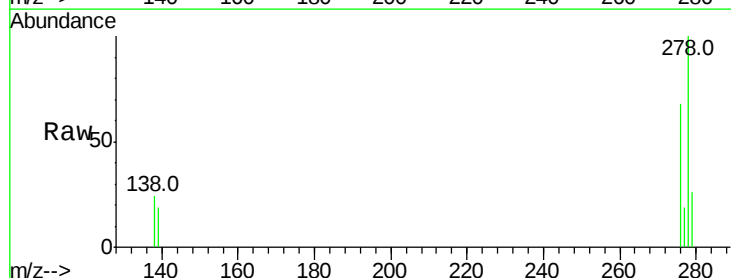
Tgt Ion:278 Resp: 15199

Ion Ratio Lower Upper

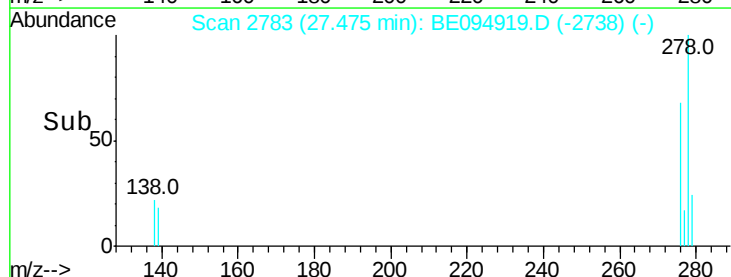
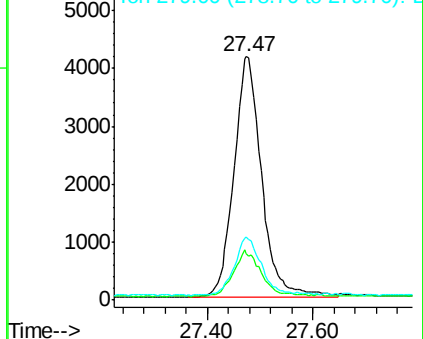
278 100

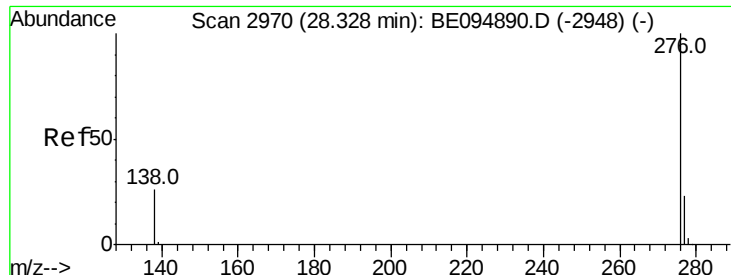
139 19.3 56.0 84.0#

279 25.9 52.0 78.0#



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: 0.346 ng

RT: 28.34 min Scan# 2972

Delta R.T. 0.01 min

Lab File: BE094919.D

Acq: 5 Dec 2017 17:52

Instrument :

BNA_E

ClientSampleId :

PB104097BS

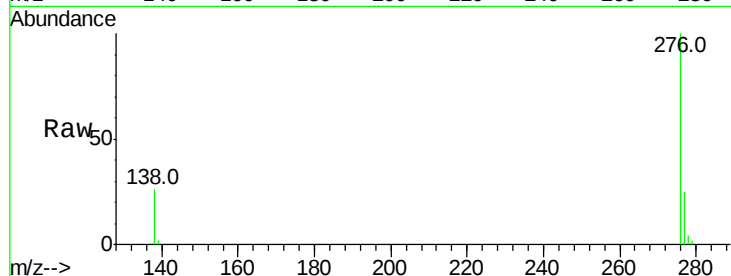
Tot Ion: 276 Resp: 16331

Ion Ratio Lower Upper

276 100

277 24.9 52.0 78.0#

138 26.5 44.0 66.0#



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

