

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120517\
 Data File : BE094947.D
 Acq On : 6 Dec 2017 12:07
 Operator : SJ/JU
 Sample : PB104743BS
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 06 13:59:43 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	8.47	152	8285	0.40	ng	-0.01
7) Naphthalene-d8	11.33	136	17698	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	8698	0.40	ng	-0.02
19) Phenanthrene-d10	17.77	188	19967	0.40	ng	0.00
27) Chrysene-d12	21.87	240	22753	0.40	ng	-0.01
34) Perylene-d12	24.55	264	18809	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.96	112	4957	0.38	ng	0.00
5) Phenol-d6	7.59	99	7049	0.36	ng	0.00
8) Nitrobenzene-d5	9.65	82	5342	0.51	ng	-0.02
11) 2-Methylnaphthalene-d10	12.86	152	9616	0.34	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	809	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.71	172	14491	0.39	ng	0.00
25) Fluoranthene-d10	19.75	212	90596	0.33	ng	0.00
29) Terphenyl-d14	20.31	244	17105	0.41	ng	-0.01

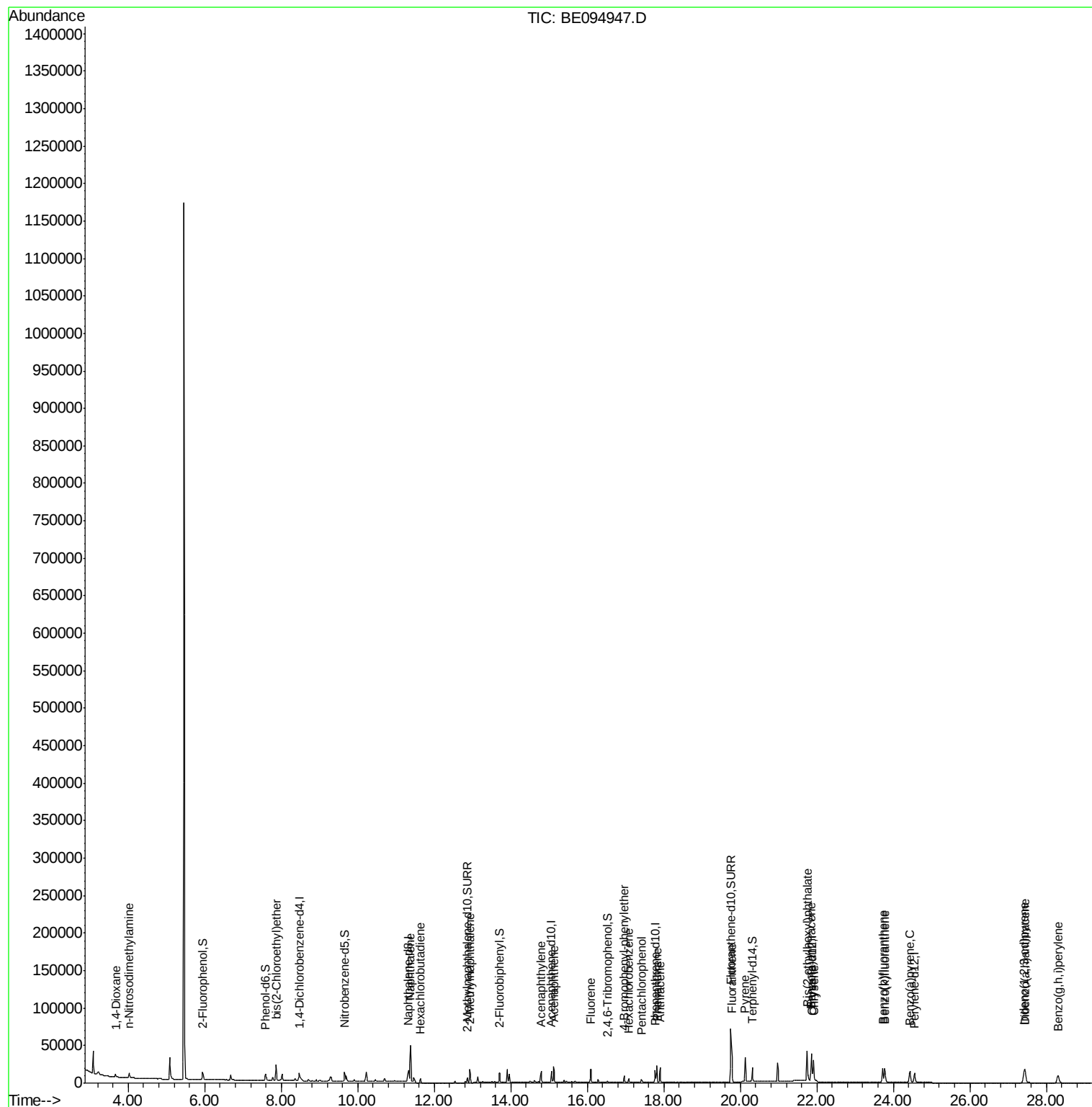
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.68	88	2580	0.298	ng	# 22
3) n-Nitrosodimethylamine	4.02	42	4644	0.420	ng	# 76
6) bis(2-Chloroethyl)ether	7.87	93	7158	0.372	ng	100
9) Naphthalene	11.38	128	79935	0.385	ng	99
10) Hexachlorobutadiene	11.64	225	3458	0.395	ng	97
12) 2-Methylnaphthalene	12.93	142	19486	0.378	ng	99
16) Acenaphthylene	14.79	152	17856	0.363	ng	100
17) Acenaphthene	15.12	154	11776	0.371	ng	96
18) Fluorene	16.10	166	14798	0.366	ng	# 80
20) 4-Bromophenyl-phenylether	16.97	248	4462	0.401	ng	# 88
21) Hexachlorobenzene	17.09	284	4348	0.400	ng	# 79
22) Pentachlorophenol	17.41	266	2358	0.789	ng	# 70
23) Phenanthrene	17.82	178	24563	0.386	ng	98
24) Anthracene	17.91	178	26056	0.386	ng	# 92
26) Fluoranthene	19.78	202	29723	0.363	ng	100
28) Pyrene	20.13	202	33888	0.431	ng	98
30) Benzo(a)anthracene	21.86	228	28923	0.415	ng	# 61
31) Chrysene	21.92	228	30064	0.390	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.75	149	44805	0.388	ng	100
33) Indeno(1,2,3-cd)pyrene	27.42	276	28997	0.460	ng	100
35) Benzo(b)fluoranthene	23.72	252	27531	0.401	ng	# 40
36) Benzo(k)fluoranthene	23.77	252	27528	0.393	ng	# 40
37) Benzo(a)pyrene	24.43	252	25514	0.424	ng	# 34
38) Dibenzo(a,h)anthracene	27.44	278	24277	0.437	ng	# 43
39) Benzo(g,h,i)perylene	28.30	276	24831	0.447	ng	# 52

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

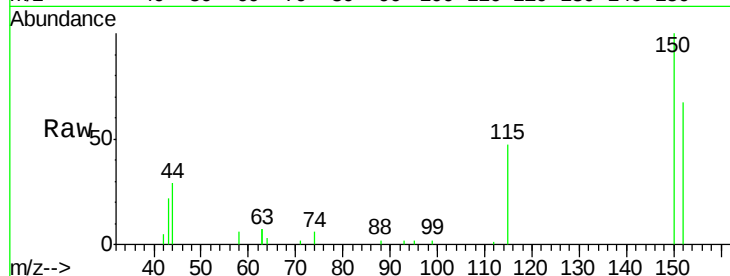
Tot Ion:152 Resp: 8285

Ion Ratio Lower Upper

152 100

150 149.9 117.2 175.8

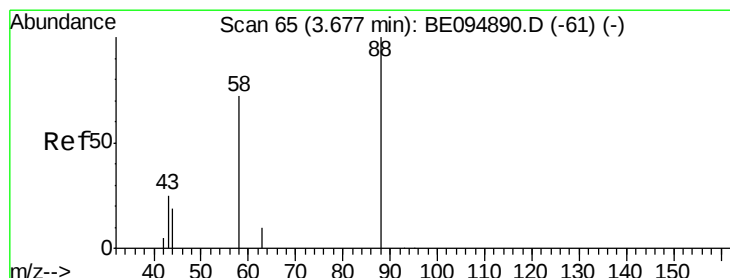
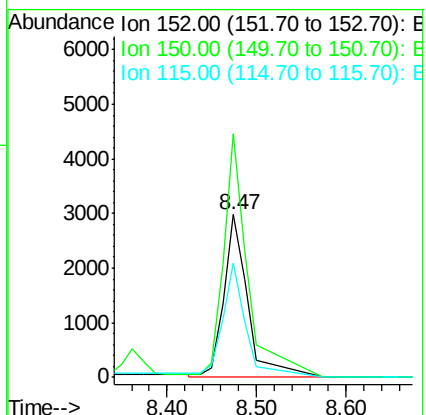
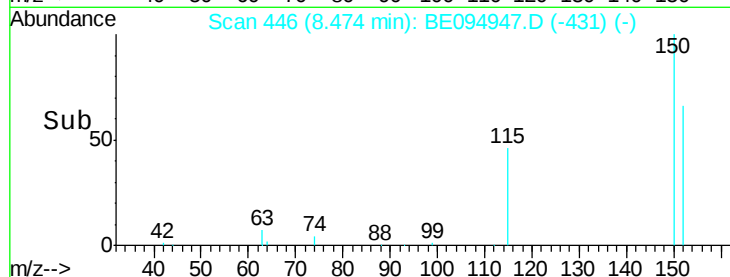
115 70.5 57.0 85.6



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: 0.298 ng

RT: 3.68 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

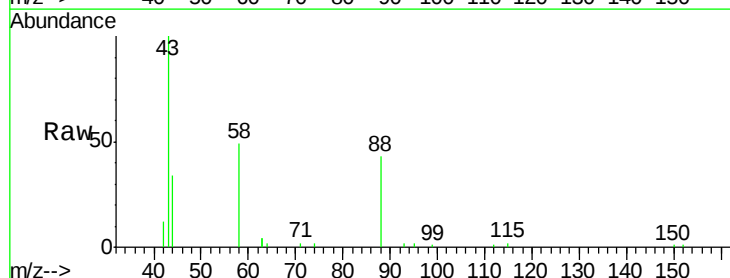
Tgt Ion: 88 Resp: 2580

Ion Ratio Lower Upper

88 100

58 116.6 63.2 94.8#

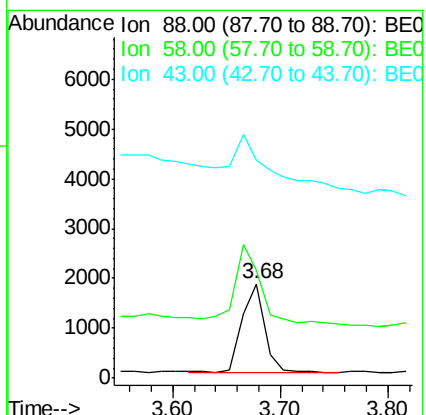
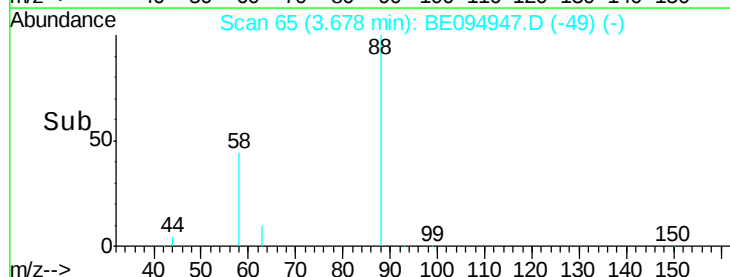
43 143.3 41.2 61.8#

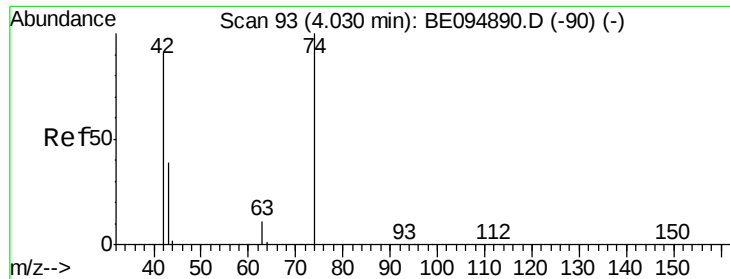


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



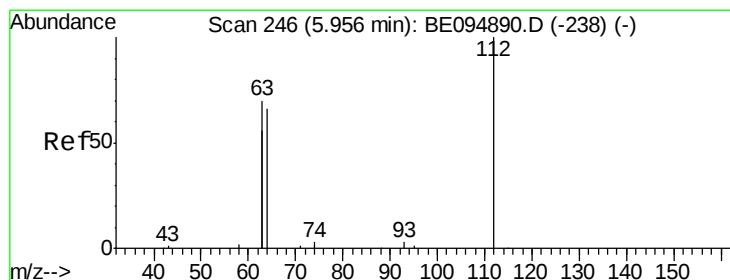
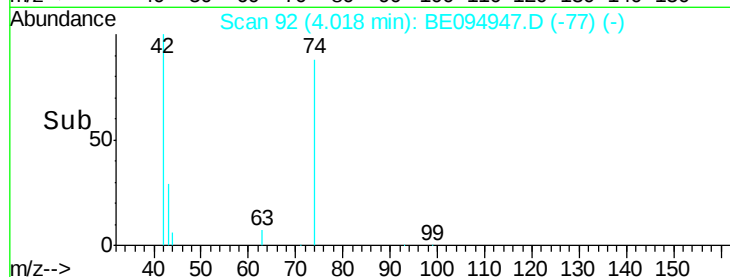
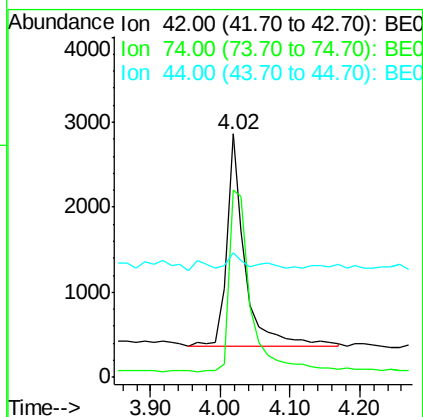
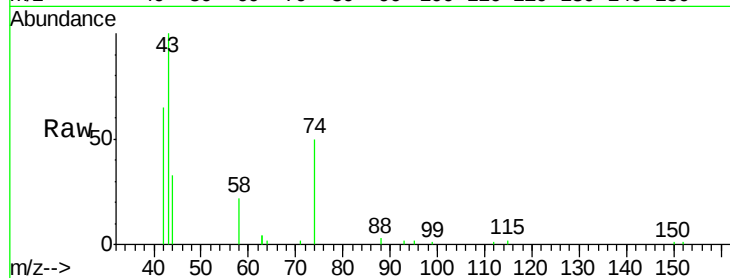


#3

n-Nitrosodimethylamine
 Concen: 0.420 ng
 RT: 4.02 min Scan# 92
 Delta R.T. -0.01 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

Instrument :
 BNA_E
 ClientSampleId :

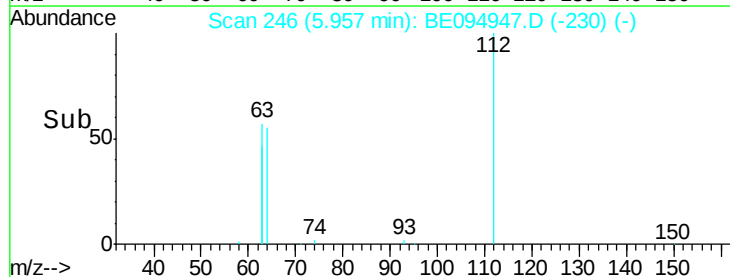
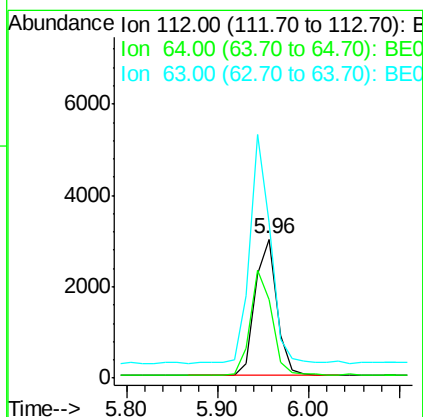
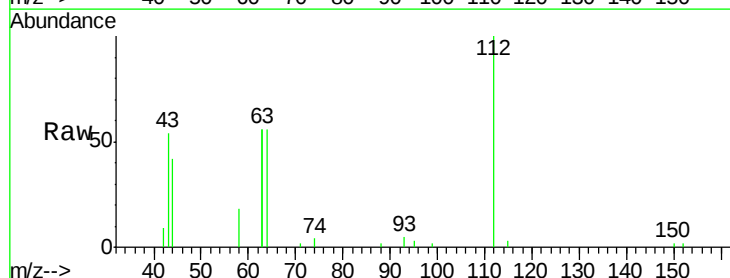
Tot Ion	Ratio	Lower	Upper
42	100		
74	100.2	100.3	150.5#
44	5.5	17.0	25.4#

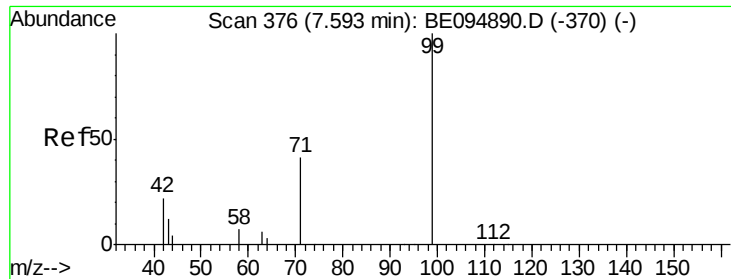


#4

2-Fluorophenol
 Concen: 0.378 ng
 RT: 5.96 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.6	60.1	90.1
63	159.7	116.8	175.2





#5

Phenol-d6

Concen: 0.363 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampled :

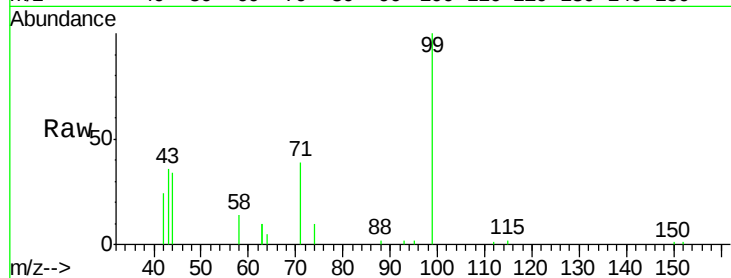
Tot Ion: 99 Resp: 7049

Ion Ratio Lower Upper

99 100

42 25.9 20.2 30.2

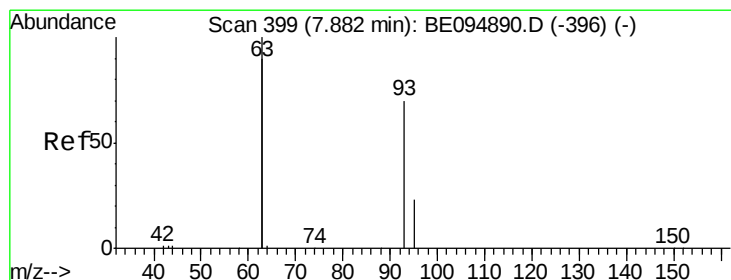
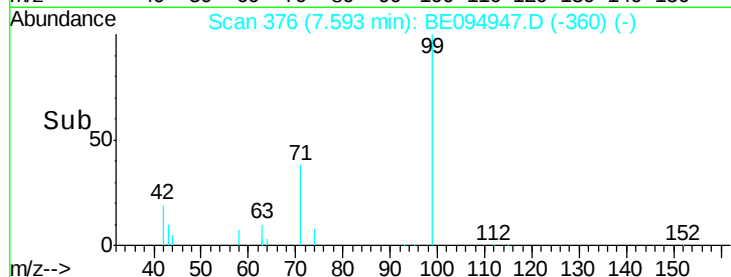
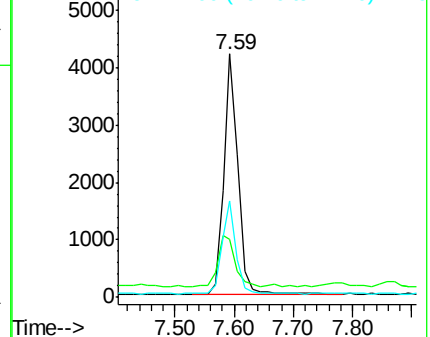
71 38.5 28.4 42.6



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: 0.372 ng

RT: 7.87 min Scan# 398

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

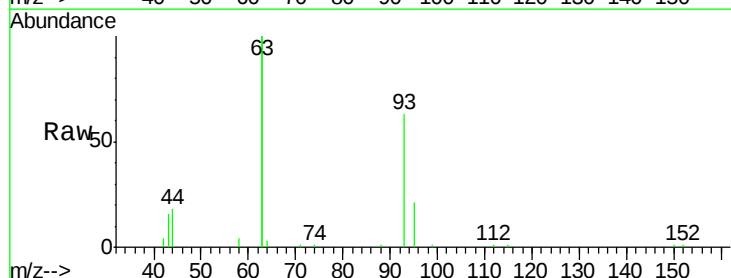
Tgt Ion: 93 Resp: 7158

Ion Ratio Lower Upper

93 100

63 344.1 275.3 412.9

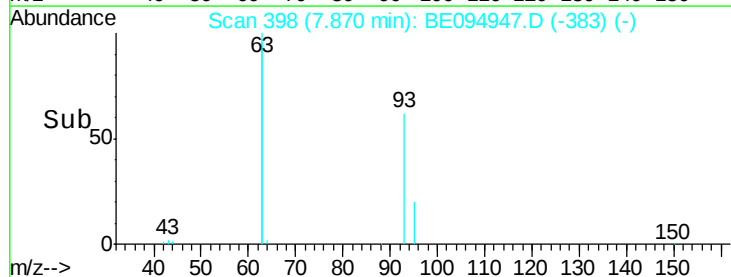
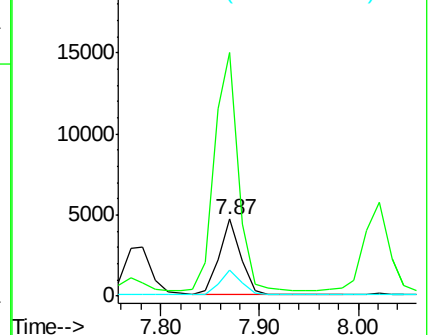
95 32.6 25.2 37.8

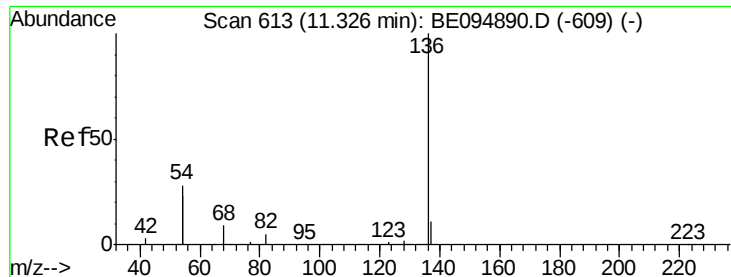


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 17698

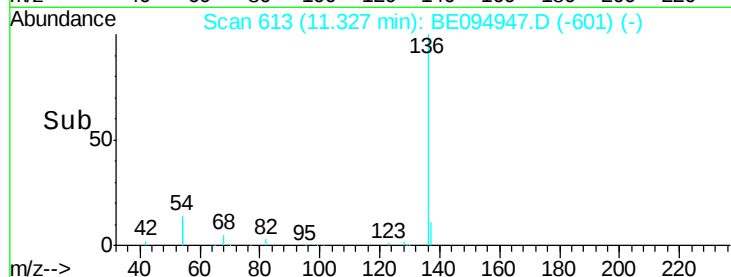
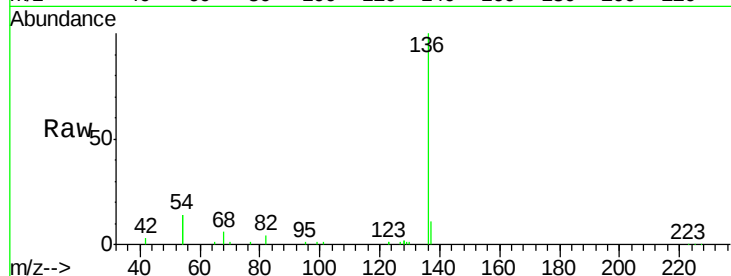
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 28.2 29.1 43.7#

68 5.9 6.2 9.2#

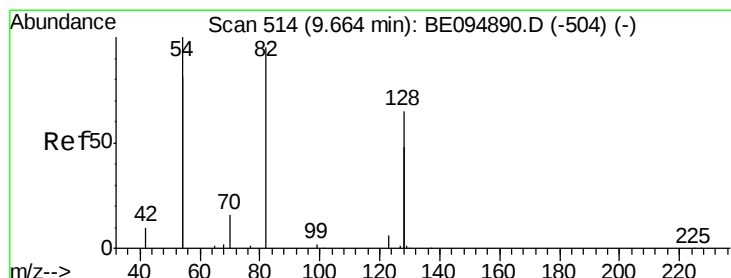
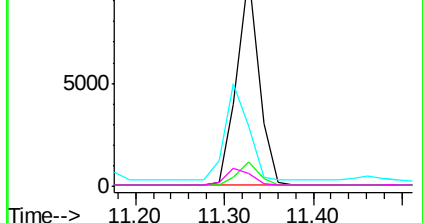


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.510 ng

RT: 9.65 min Scan# 513

Delta R.T. -0.02 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

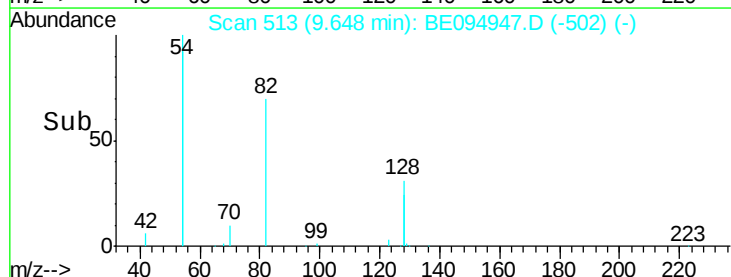
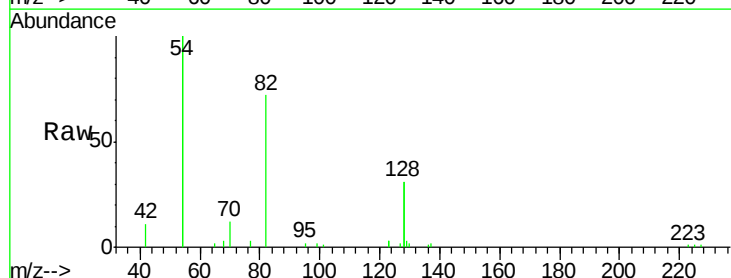
Tgt Ion: 82 Resp: 5342

Ion Ratio Lower Upper

82 100

128 86.6 150.0 225.0#

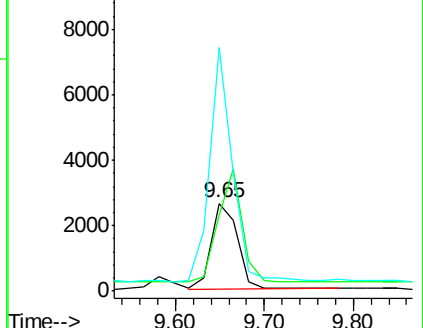
54 277.2 154.2 231.4#

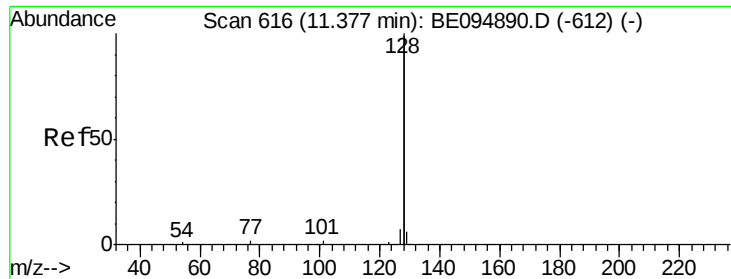


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.385 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

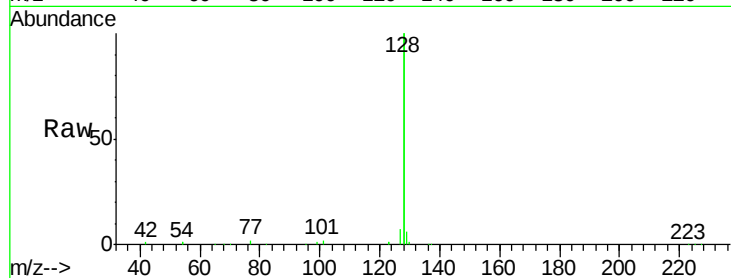
Tot Ion:128 Resp: 79935

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

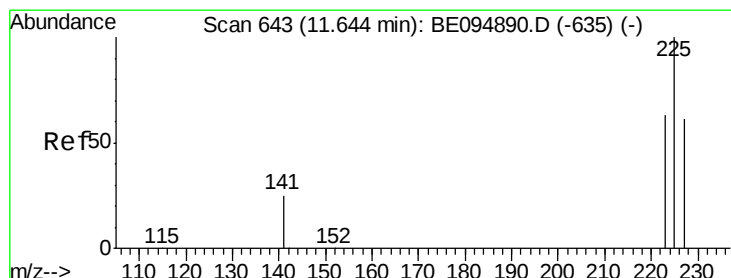
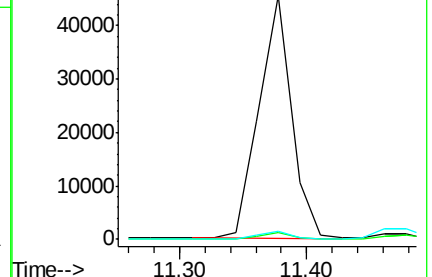
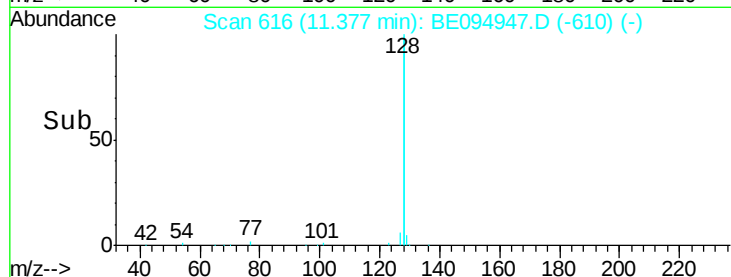
127 3.3 2.8 4.2



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: 0.395 ng

RT: 11.64 min Scan# 642

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

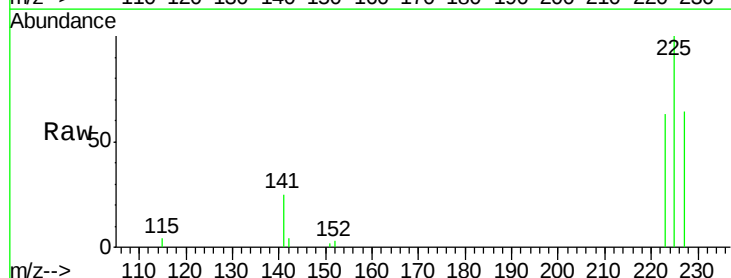
Tgt Ion:225 Resp: 3458

Ion Ratio Lower Upper

225 100

223 62.6 53.0 79.6

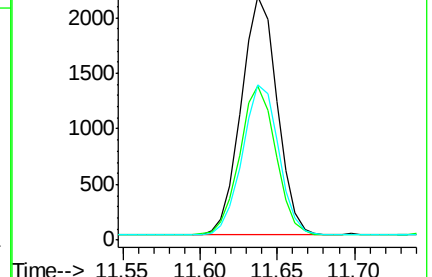
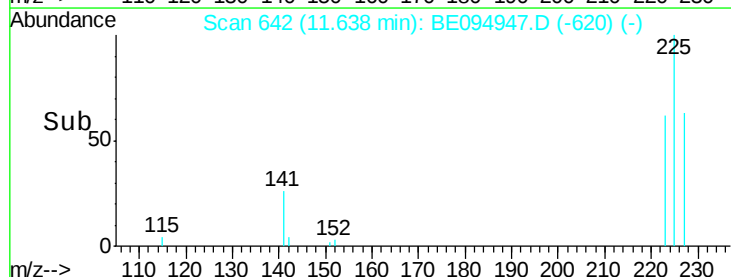
227 64.1 51.4 77.2

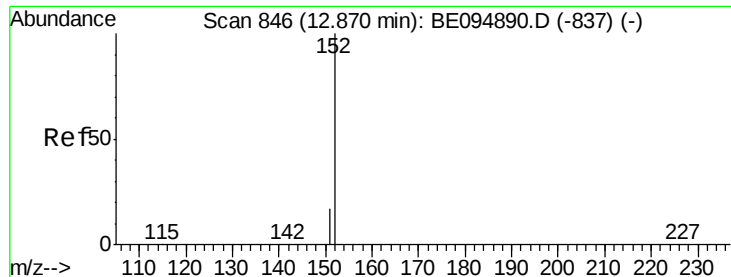


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

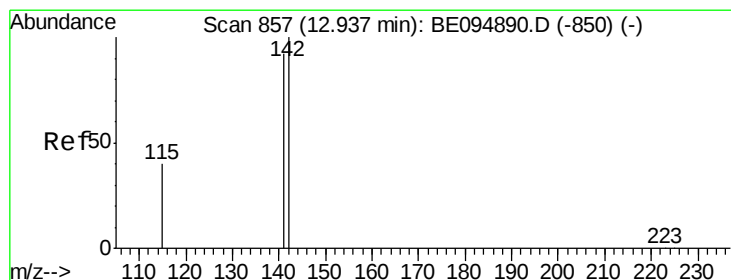
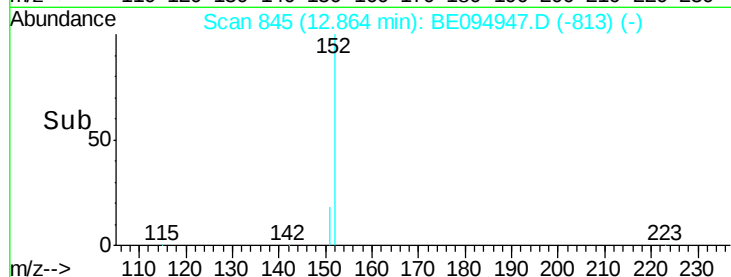
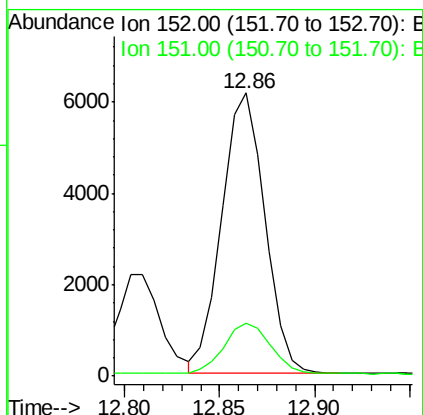
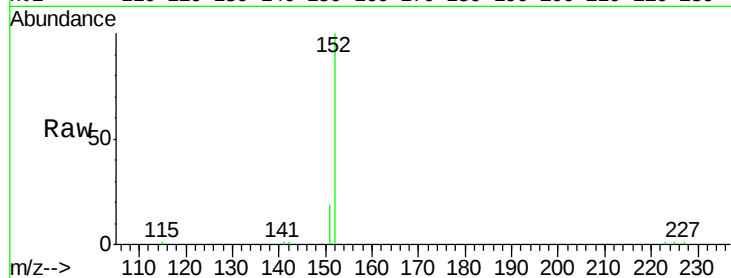




#11
 2-Methylnaphthalene-d10
 Concen: 0.340 ng
 RT: 12.86 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

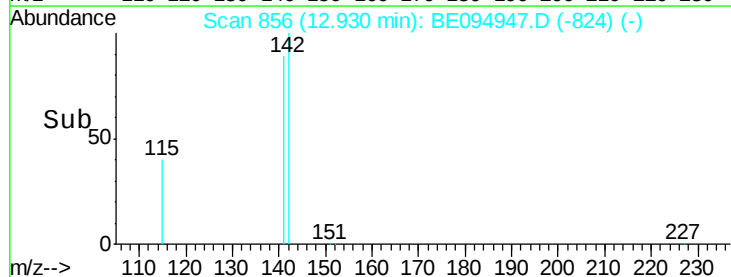
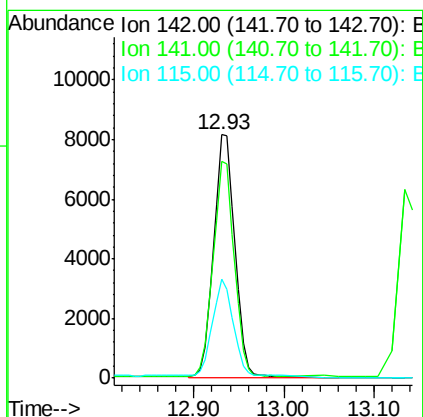
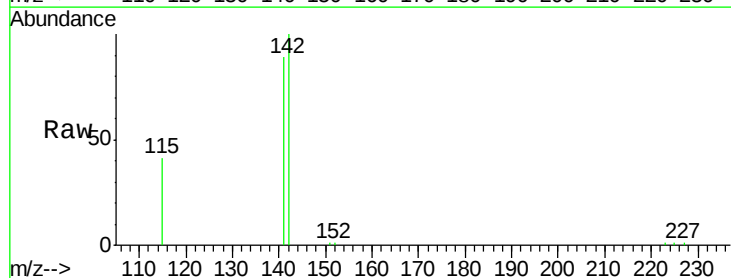
Instrument :
 BNA_E
 ClientSampleId :

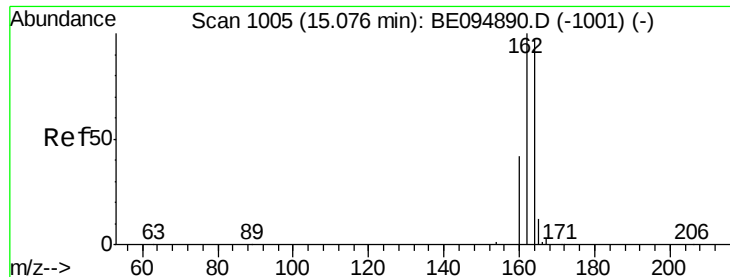
Tot Ion:152 Resp: 9616
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.378 ng
 RT: 12.93 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

Tgt Ion:142 Resp: 19486
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.4 105.6
 115 40.8 31.7 47.5

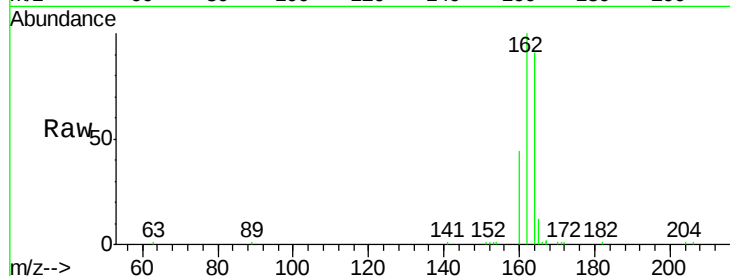




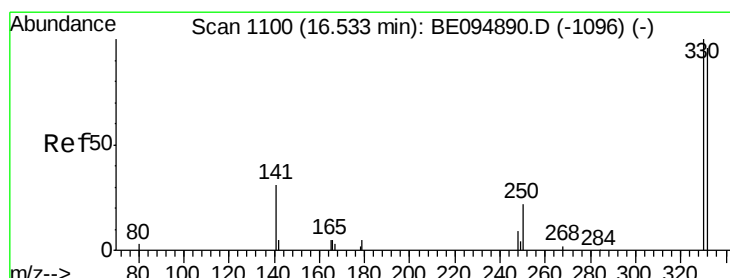
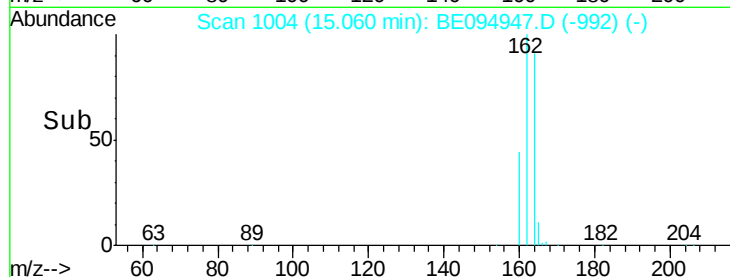
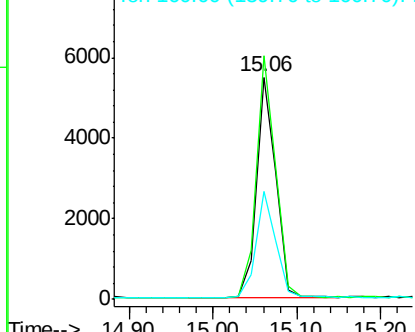
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.06 min Scan# 1004
 Delta R.T. -0.02 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 8698
 Ion Ratio Lower Upper
 164 100
 162 109.5 83.1 124.7
 160 48.7 37.1 55.7

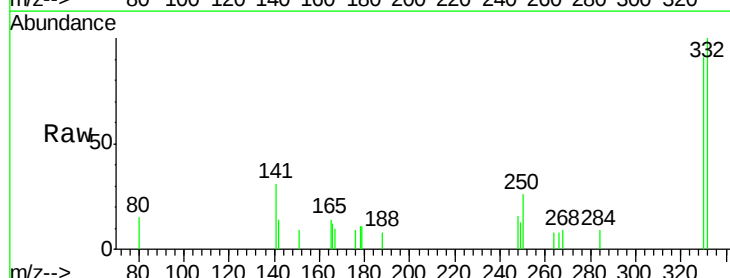


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

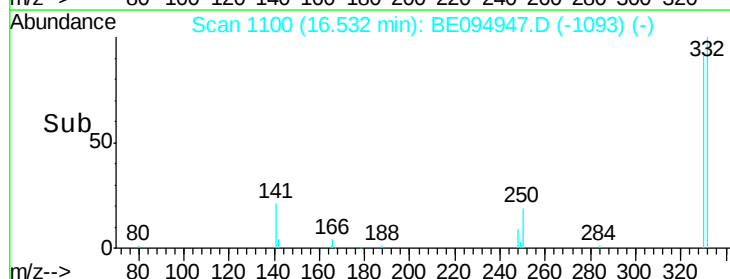
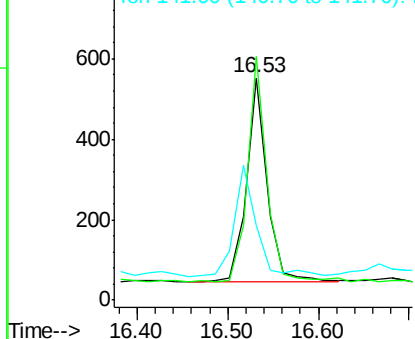


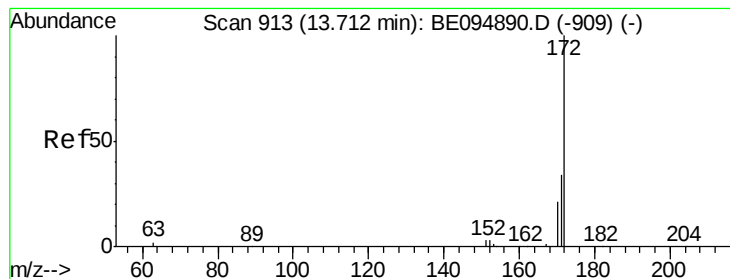
#14
 2,4,6-Tribromophenol
 Concen: 0.448 ng
 RT: 16.53 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

Tgt Ion:330 Resp: 809
 Ion Ratio Lower Upper
 330 100
 332 101.1 152.7 229.1#
 141 59.5 33.7 50.5#



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: 0.389 ng

RT: 13.71 min Scan# 913

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

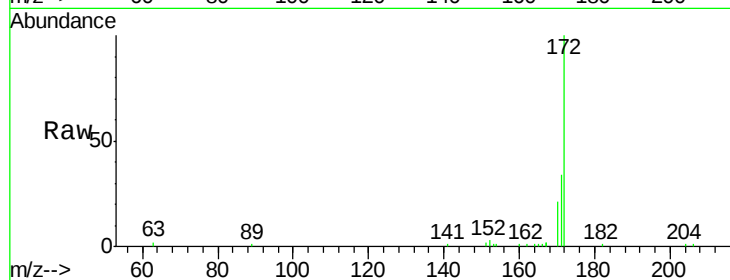
Tot Ion:172 Resp: 14491

Ion Ratio Lower Upper

172 100

171 33.5 29.9 44.9

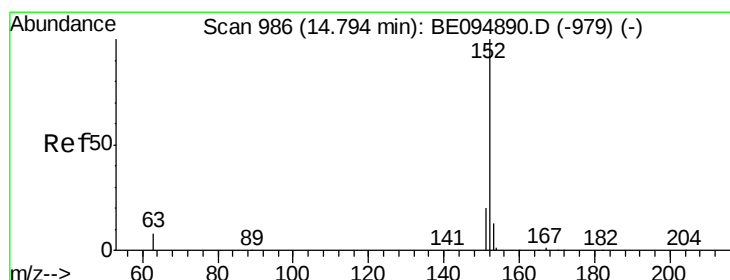
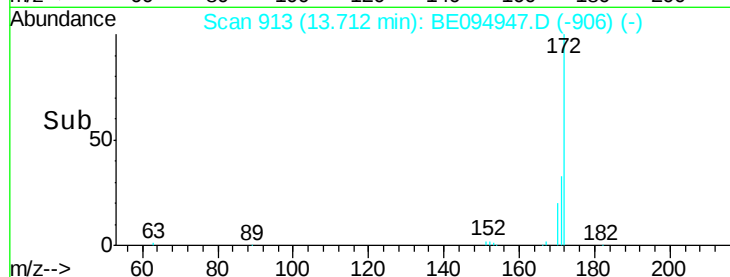
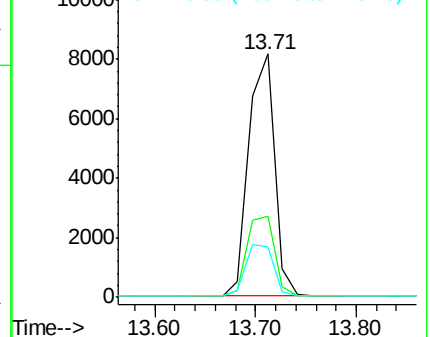
170 20.5 21.8 32.8#



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: 0.363 ng

RT: 14.79 min Scan# 986

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

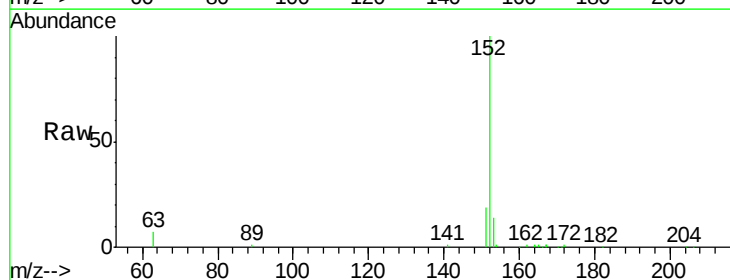
Tgt Ion:152 Resp: 17856

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

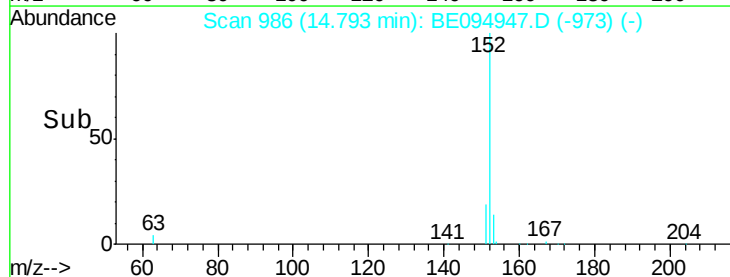
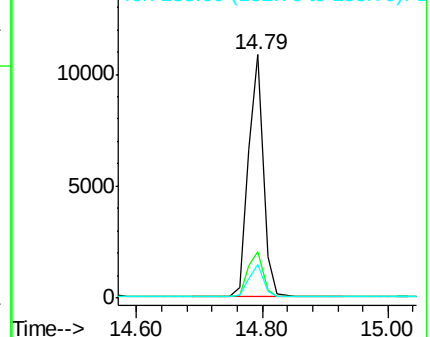
153 13.4 10.5 15.7

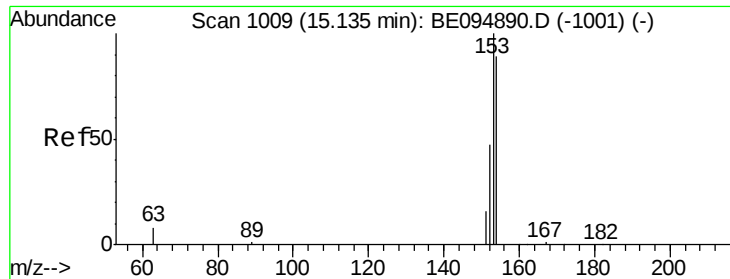


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.371 ng

RT: 15.12 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

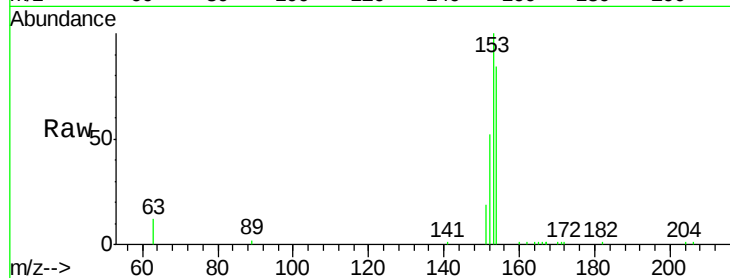
Tot Ion:154 Resp: 11776

Ion Ratio Lower Upper

154 100

153 113.9 89.2 133.8

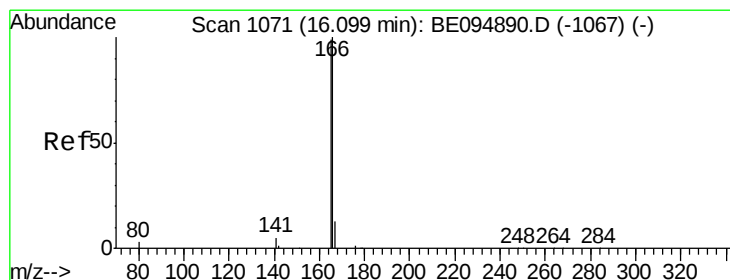
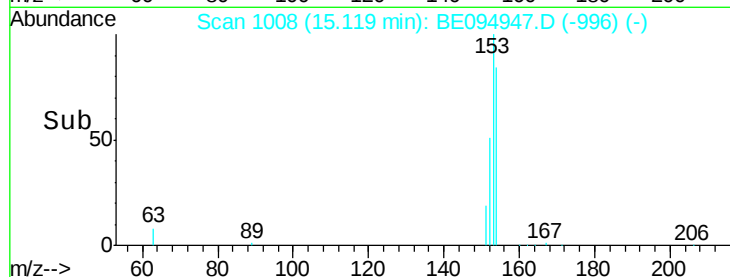
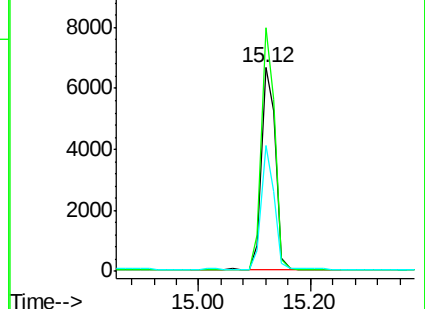
152 57.0 42.0 63.0



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: 0.366 ng

RT: 16.10 min Scan# 1071

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

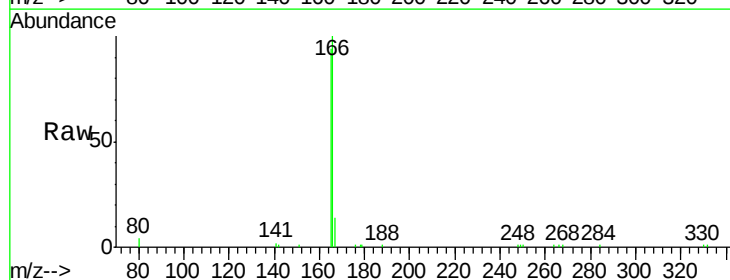
Tgt Ion:166 Resp: 14798

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.6

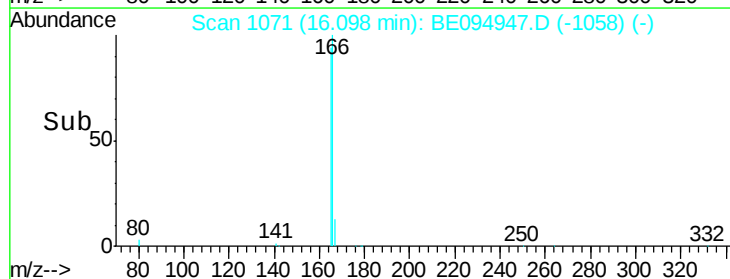
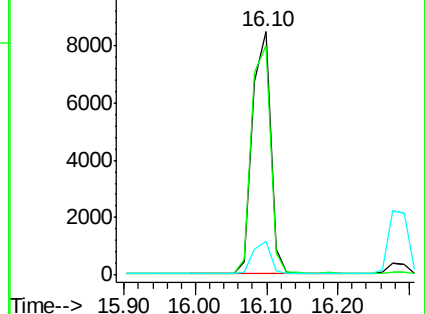
167 13.4 42.4 63.6#

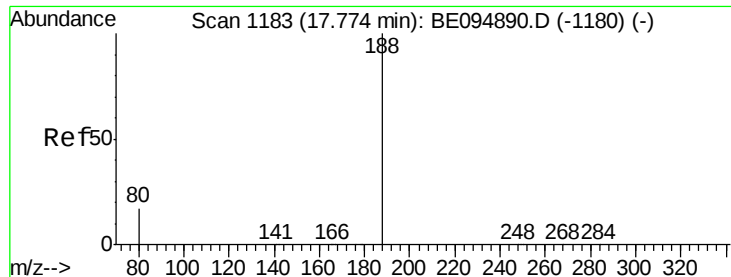


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

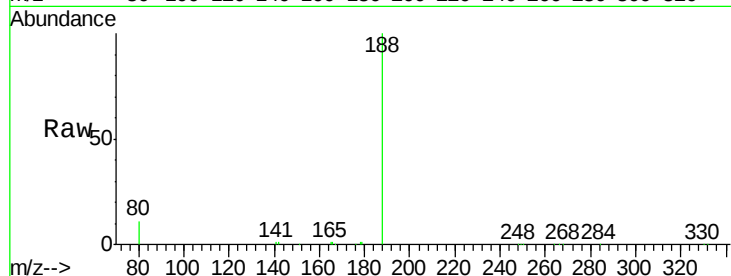
Tot Ion:188 Resp: 19967

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

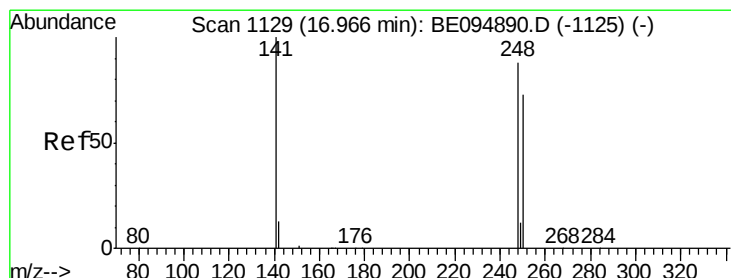
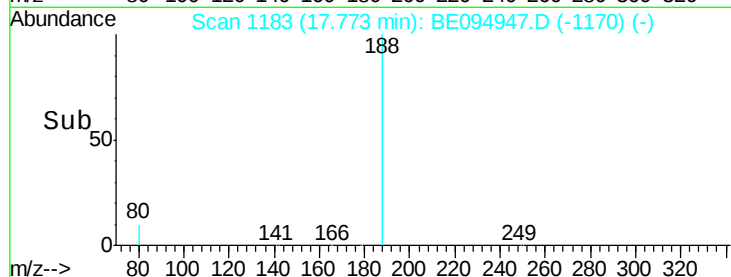
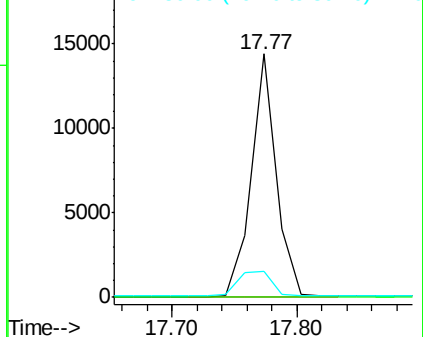
80 10.8 3.6 5.4#



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: 0.401 ng

RT: 16.97 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

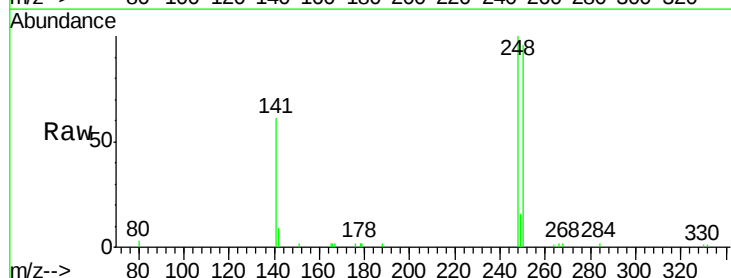
Tgt Ion:248 Resp: 4462

Ion Ratio Lower Upper

248 100

250 96.1 62.7 94.1#

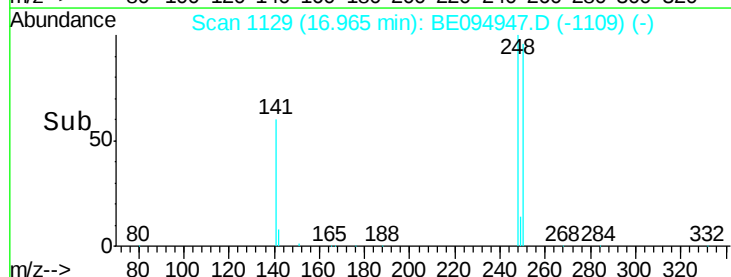
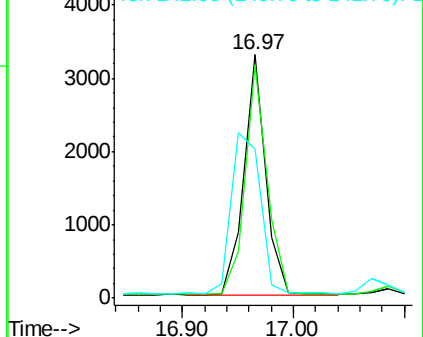
141 61.4 48.2 72.2

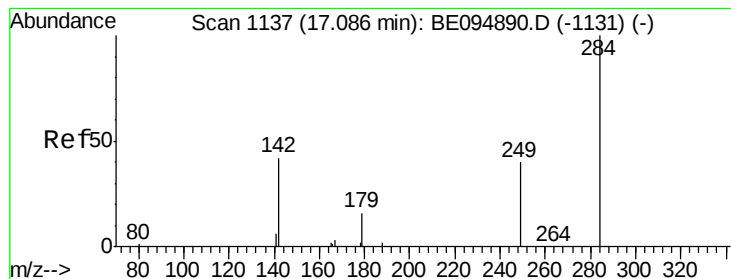


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.400 ng

RT: 17.09 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

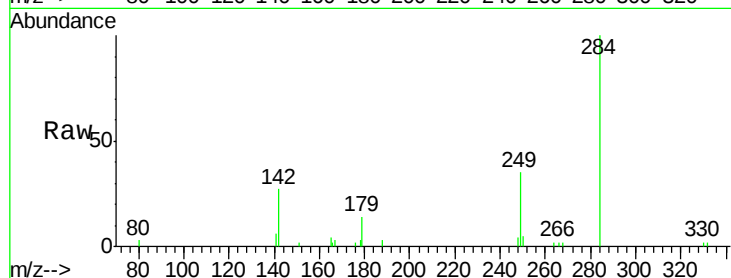
Tot Ion:284 Resp: 4348

Ion Ratio Lower Upper

284 100

142 44.8 22.1 33.1#

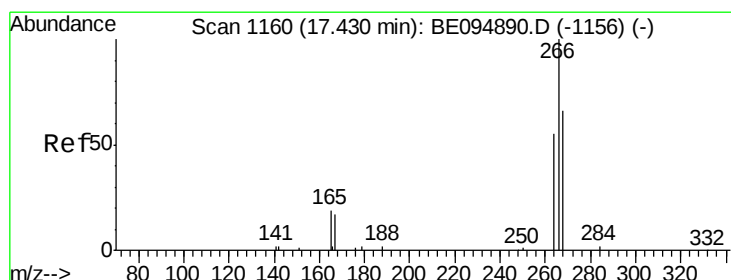
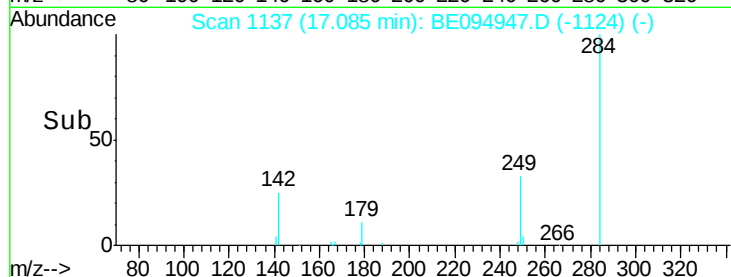
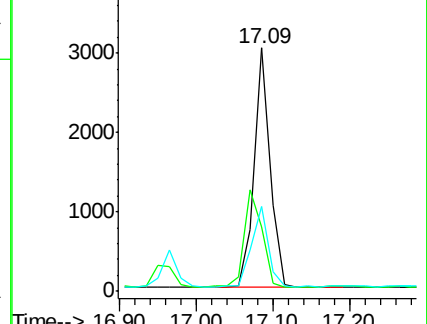
249 35.1 34.8 52.2



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: 0.789 ng

RT: 17.41 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

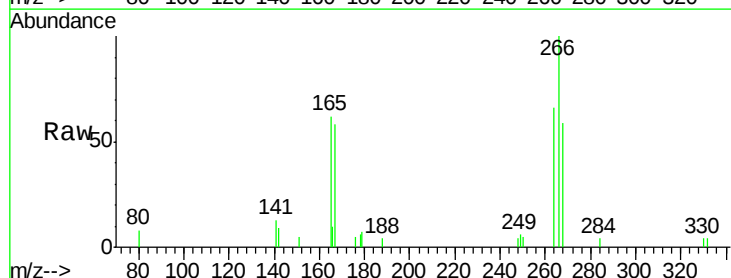
Tgt Ion:266 Resp: 2358

Ion Ratio Lower Upper

266 100

264 66.2 72.5 108.7#

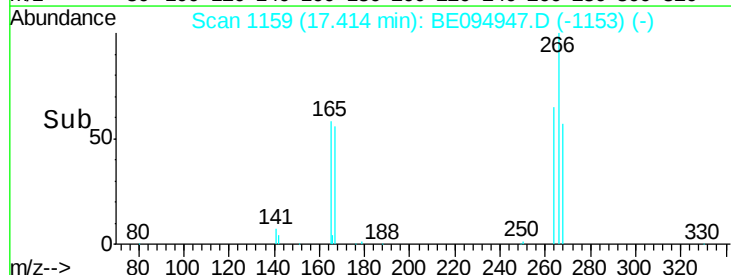
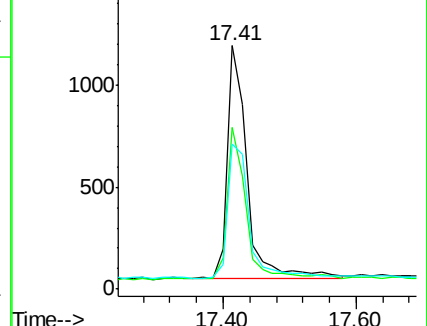
268 59.4 73.8 110.6#

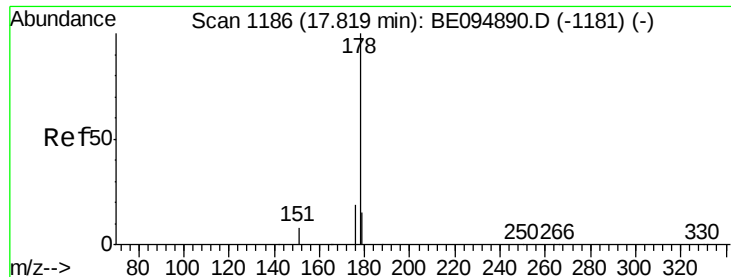


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.386 ng

RT: 17.82 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

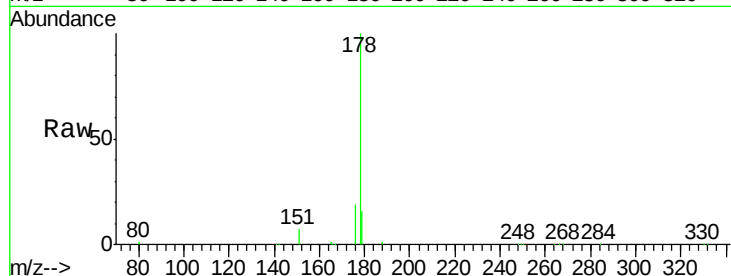
Tot Ion:178 Resp: 24563

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

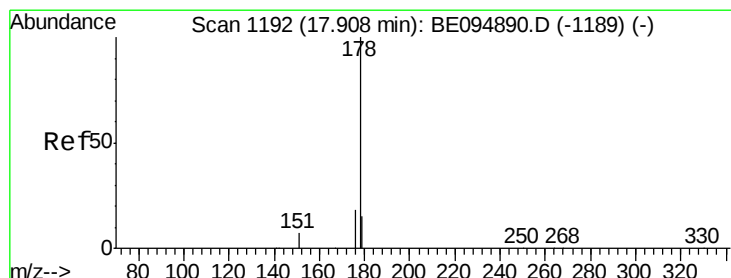
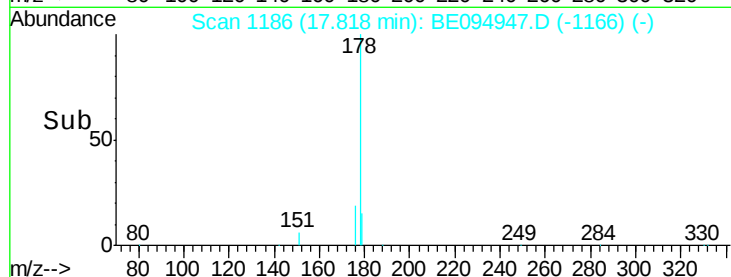
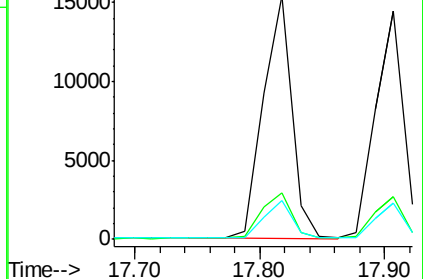
179 15.6 11.8 17.6



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: 0.386 ng

RT: 17.91 min Scan# 1192

Delta R.T. -0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

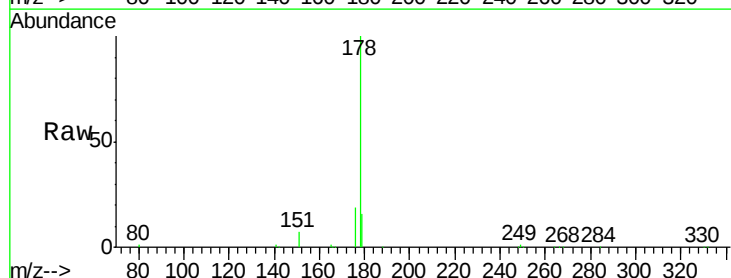
Tgt Ion:178 Resp: 26056

Ion Ratio Lower Upper

178 100

176 21.0 12.8 19.2#

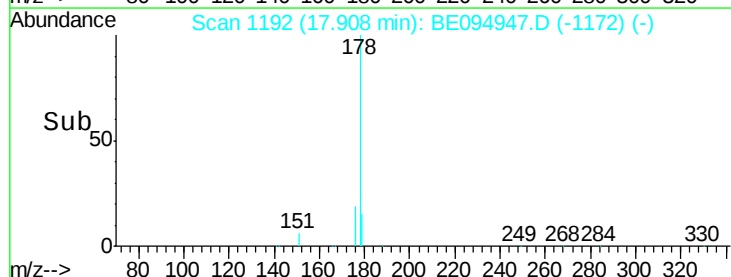
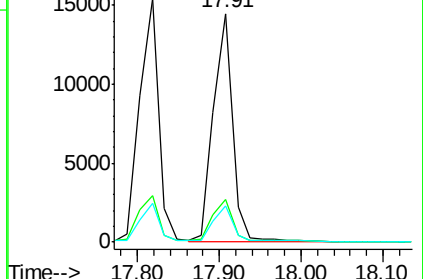
179 18.0 13.0 19.6

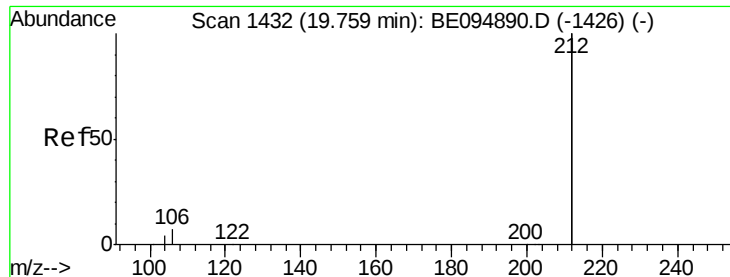


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.75 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

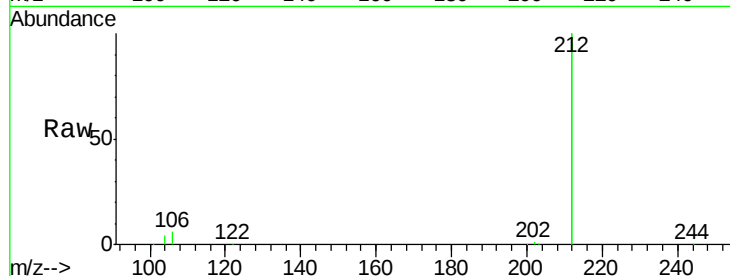
Tot Ion:212 Resp: 90596

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

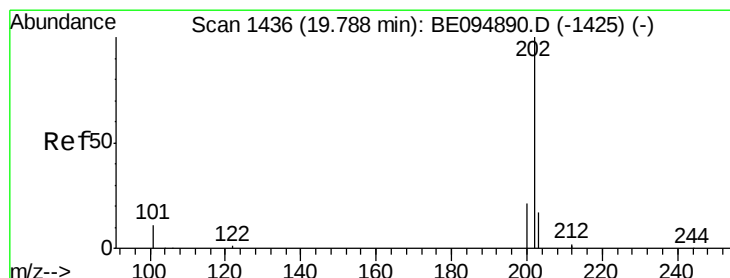
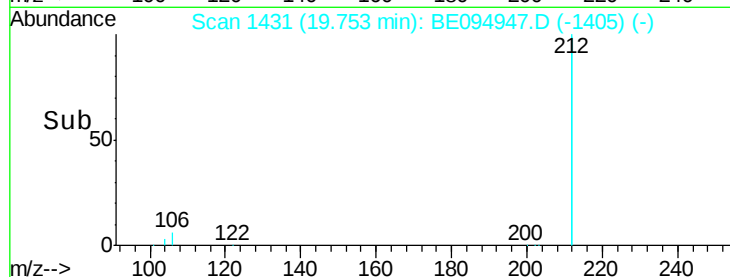
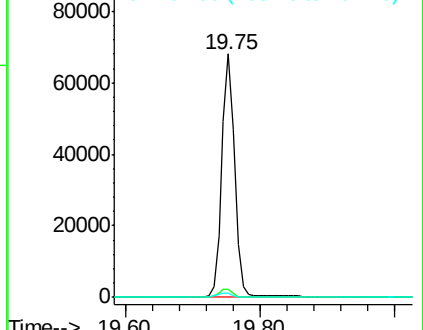
104 2.0 1.6 2.4



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: 0.363 ng

RT: 19.78 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

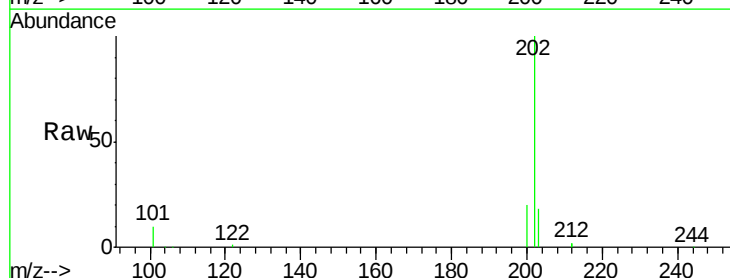
Tgt Ion:202 Resp: 29723

Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.8

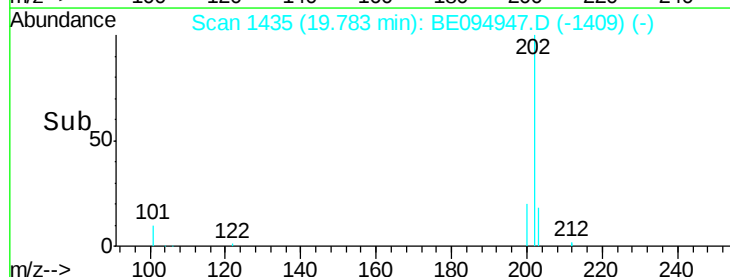
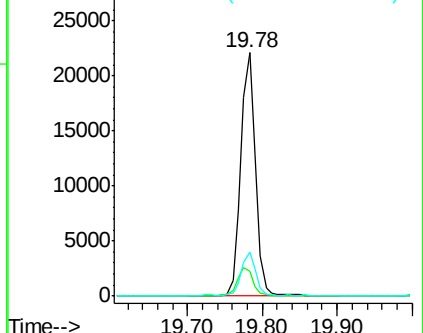
203 17.1 13.7 20.5

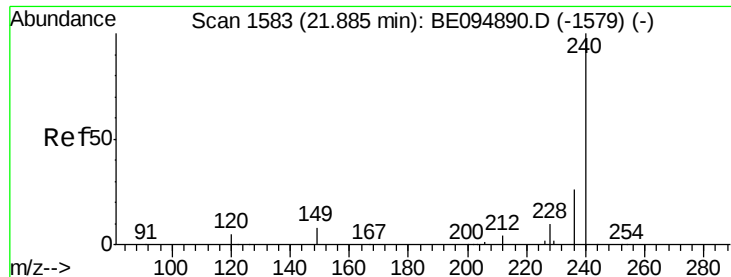


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.87 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

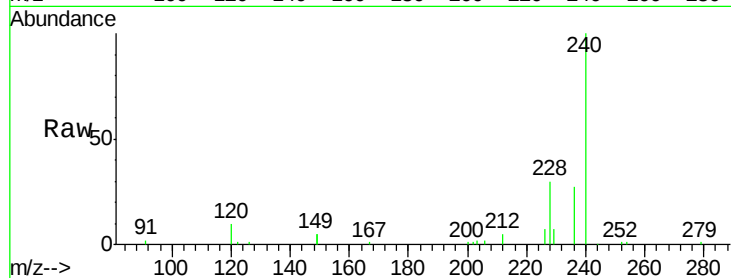
Tot Ion:240 Resp: 22753

Ion Ratio Lower Upper

240 100

120 9.8 5.5 8.3#

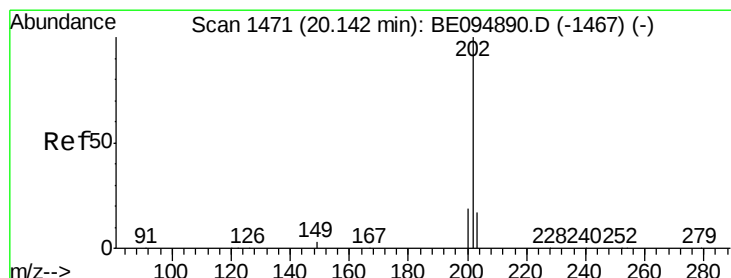
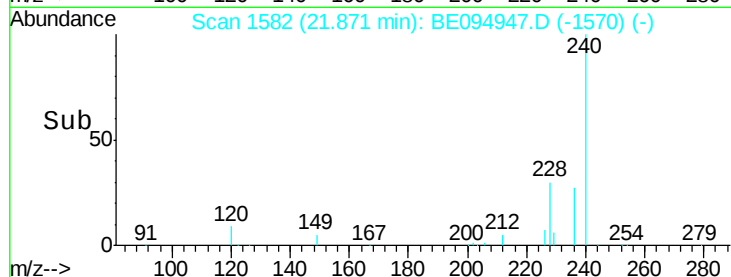
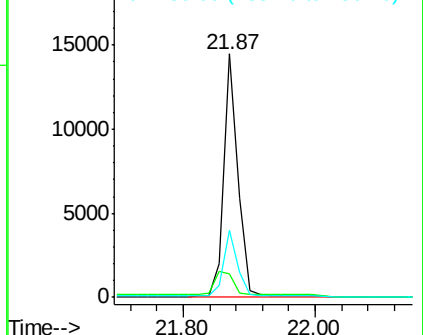
236 27.3 20.7 31.1



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: 0.431 ng

RT: 20.13 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

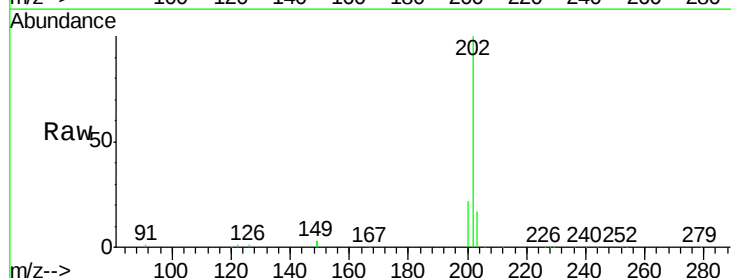
Tgt Ion:202 Resp: 33888

Ion Ratio Lower Upper

202 100

200 19.3 16.6 25.0

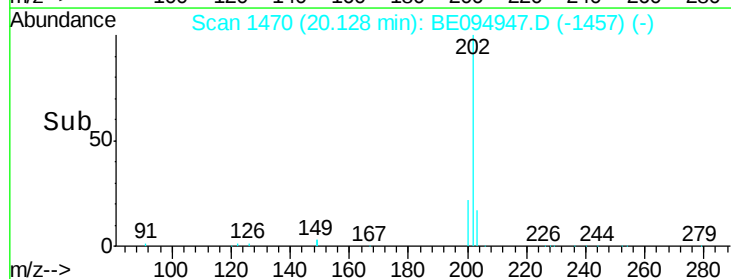
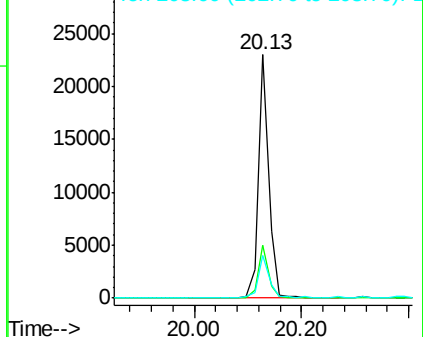
203 17.0 13.8 20.8

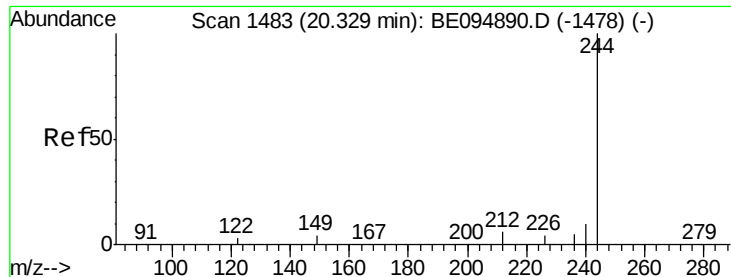


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.407 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

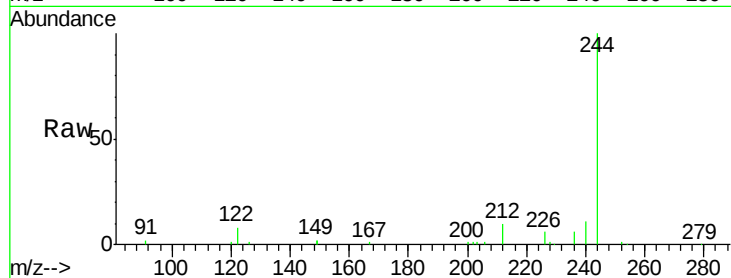
Tot Ion:244 Resp: 17105

Ion Ratio Lower Upper

244 100

212 9.6 25.4 38.0#

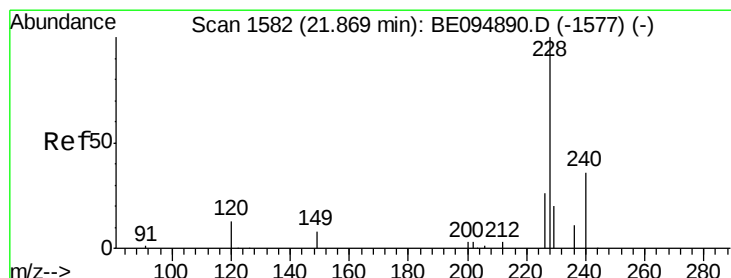
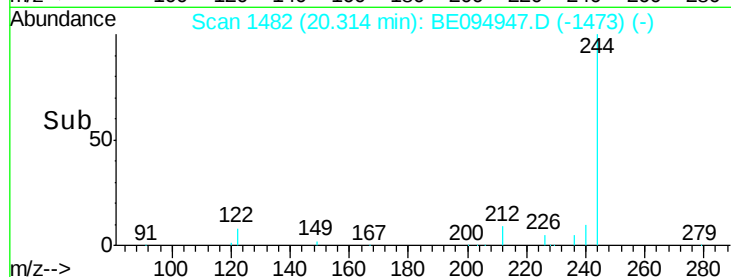
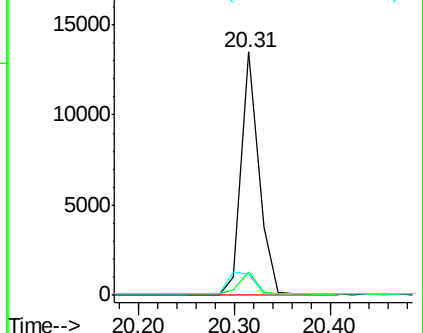
122 8.4 8.1 12.1



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: 0.415 ng

RT: 21.86 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

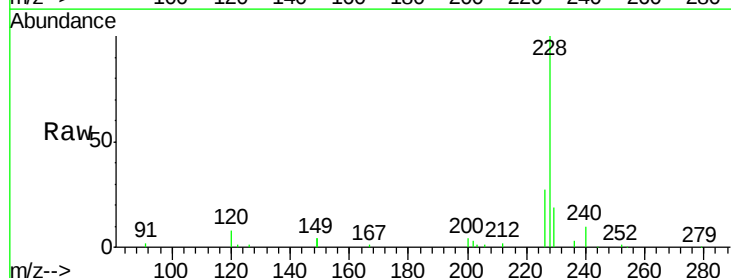
Tgt Ion:228 Resp: 28923

Ion Ratio Lower Upper

228 100

226 26.7 40.0 60.0#

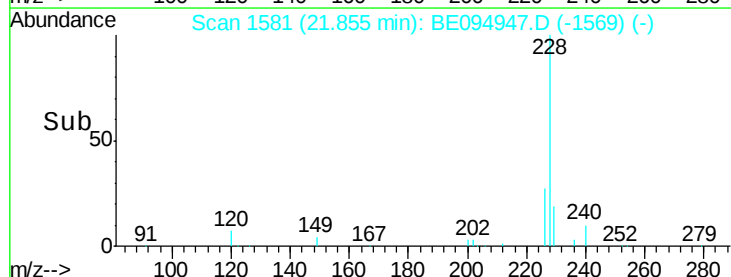
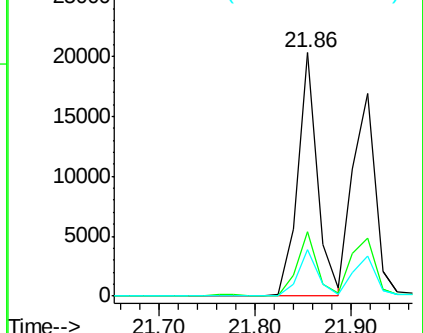
229 19.1 40.0 60.0#

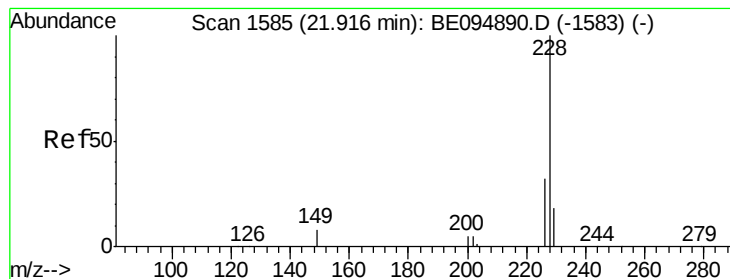


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.390 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

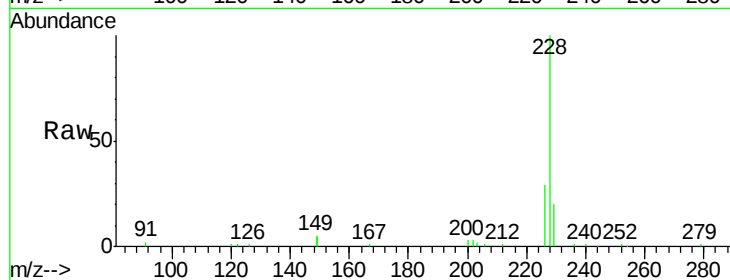
Tot Ion:228 Resp: 30064

Ion Ratio Lower Upper

228 100

226 28.8 40.0 60.0#

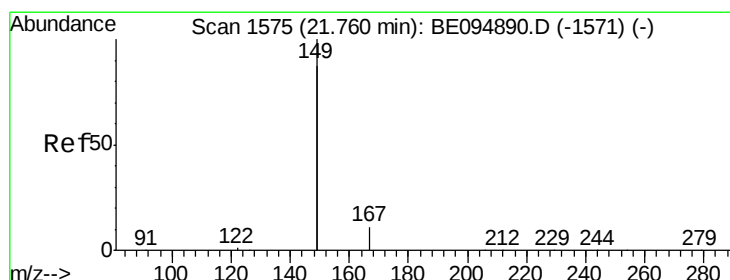
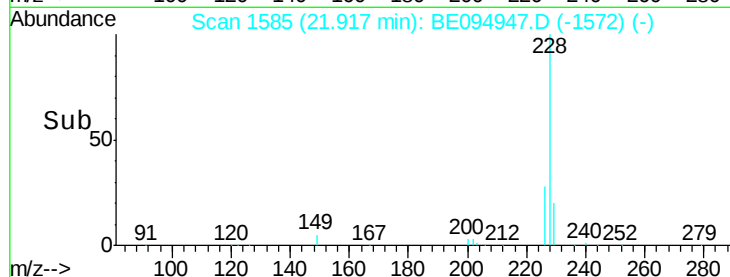
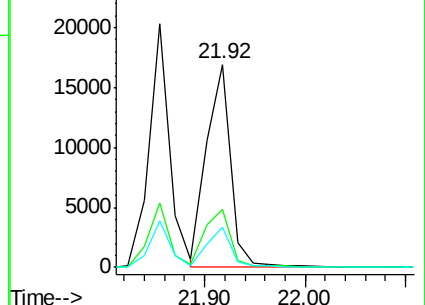
229 20.1 40.0 60.0#



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: 0.388 ng

RT: 21.75 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

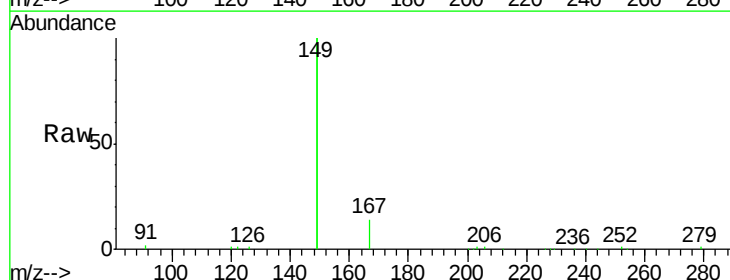
Tgt Ion:149 Resp: 44805

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

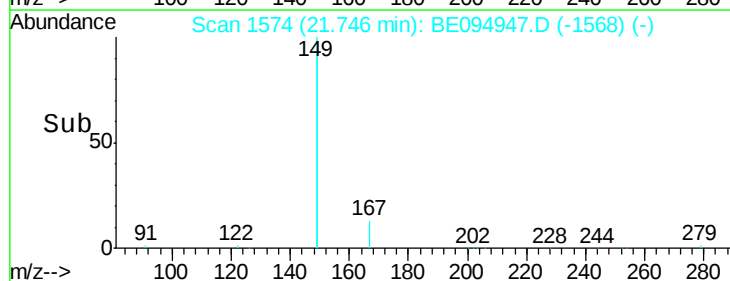
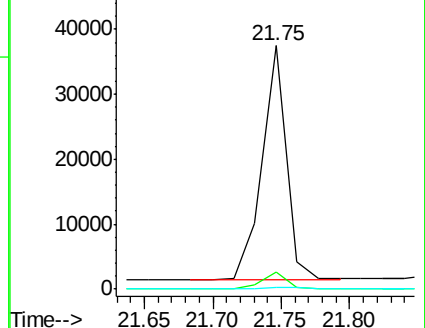
279 0.8 0.7 1.1

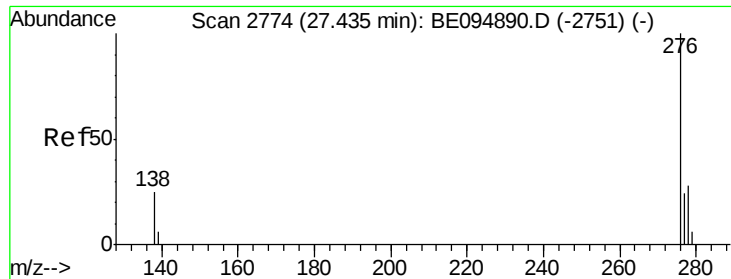


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

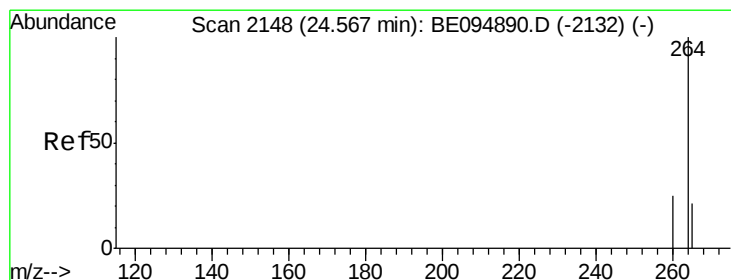
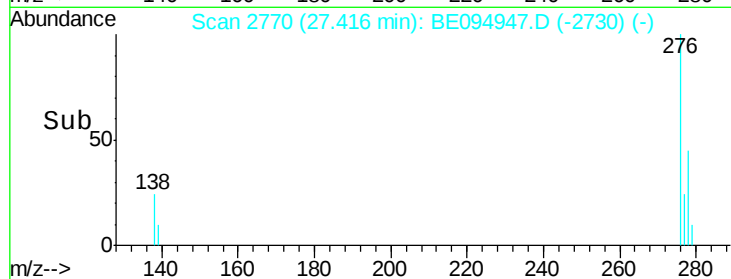
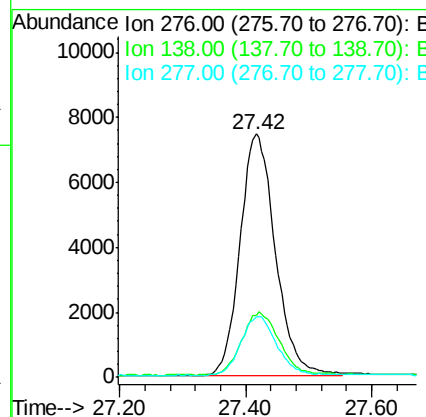
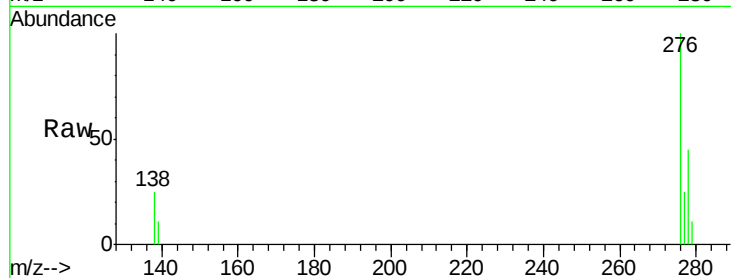




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.460 ng
 RT: 27.42 min Scan# 2770
 Delta R.T. -0.02 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

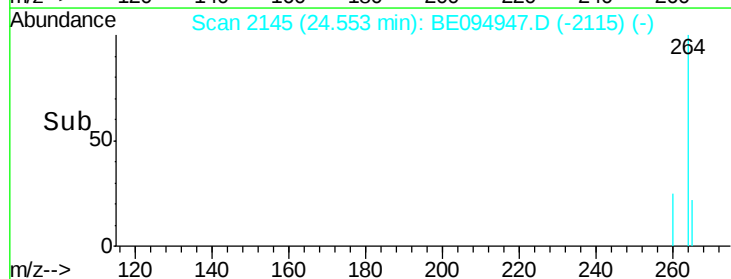
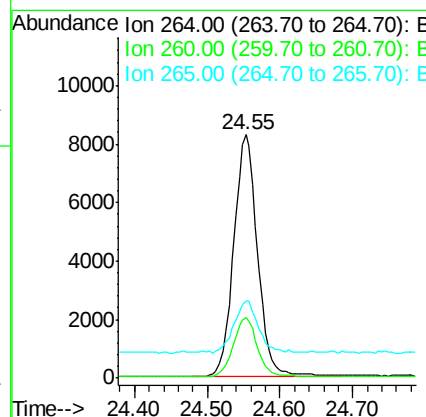
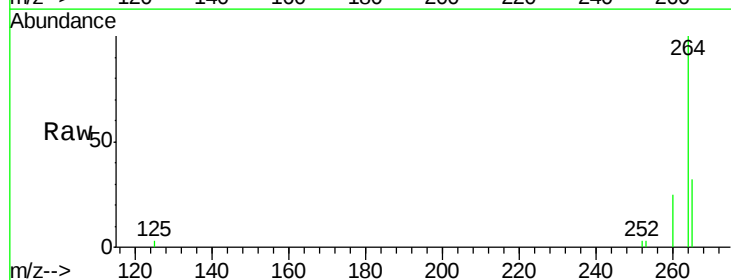
Instrument :
 BNA_E
 ClientSampleId :

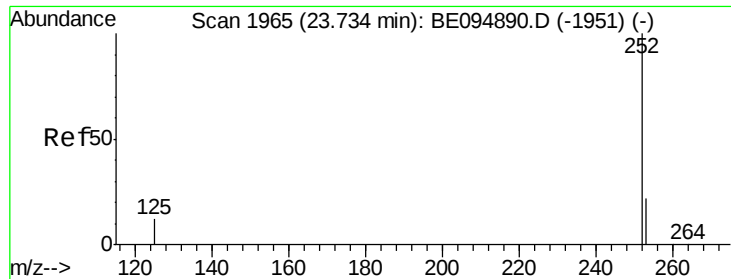
Tot Ion:276 Resp: 28997
 Ion Ratio Lower Upper
 276 100
 138 27.9 22.5 33.7
 277 24.9 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.55 min Scan# 2145
 Delta R.T. -0.01 min
 Lab File: BE094947.D
 Acq: 6 Dec 2017 12:07

Tgt Ion:264 Resp: 18809
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.5 30.7
 265 31.8 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.401 ng

RT: 23.72 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

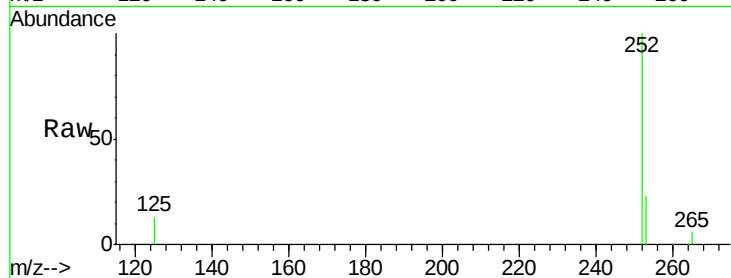
Tot Ion:252 Resp: 27531

Ion Ratio Lower Upper

252 100

253 23.3 48.0 72.0#

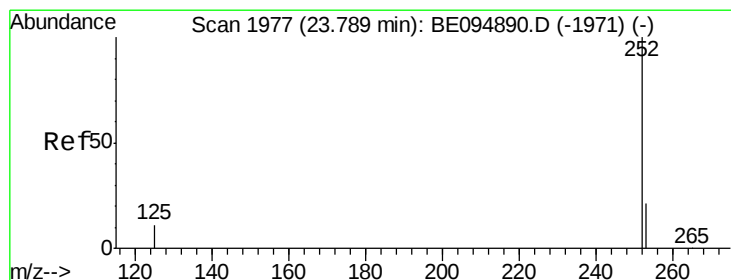
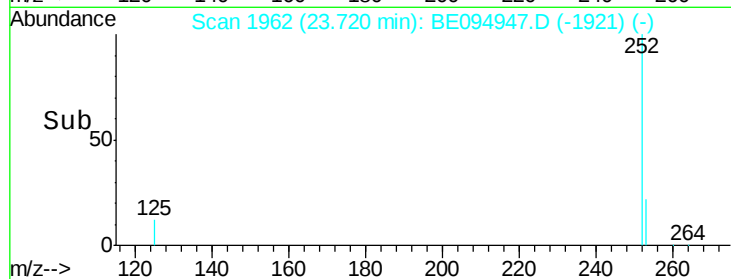
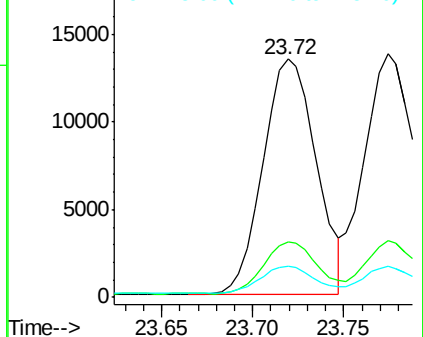
125 13.1 56.0 84.0#



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: 0.393 ng

RT: 23.77 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

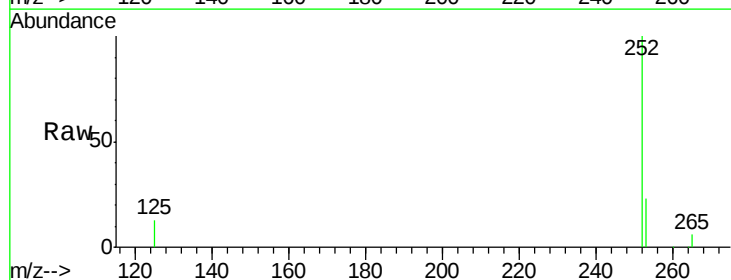
Tgt Ion:252 Resp: 27528

Ion Ratio Lower Upper

252 100

253 23.1 48.0 72.0#

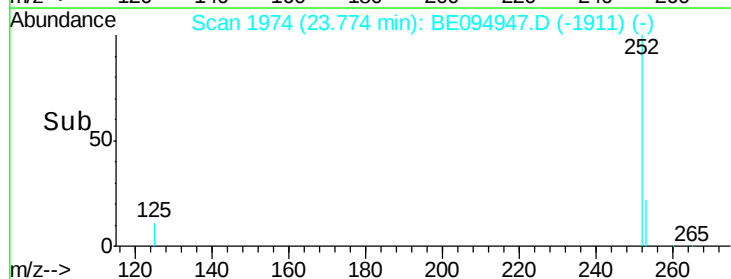
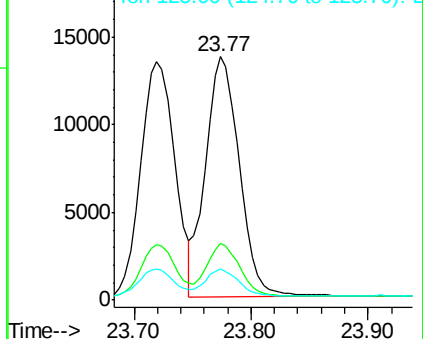
125 12.7 56.0 84.0#

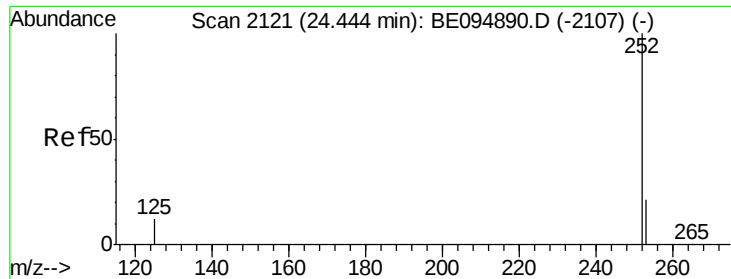


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.424 ng

RT: 24.43 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :

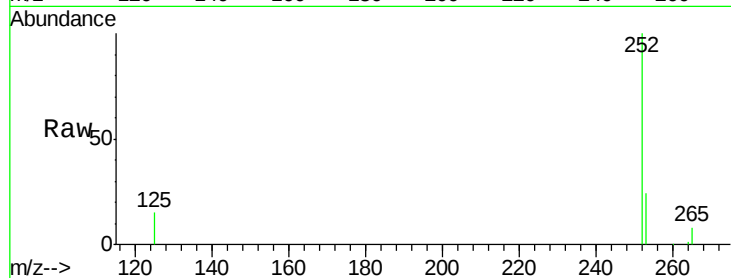
Tot Ion:252 Resp: 25514

Ion Ratio Lower Upper

252 100

253 23.5 52.0 78.0#

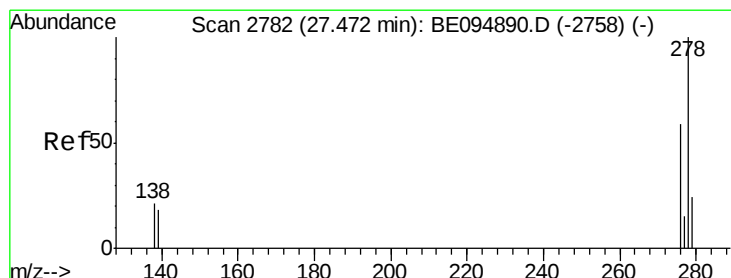
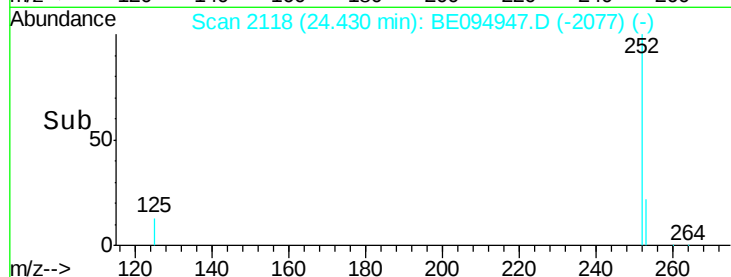
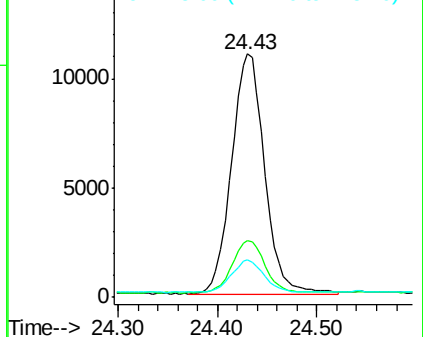
125 15.4 68.0 102.0#



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: 0.437 ng

RT: 27.44 min Scan# 2776

Delta R.T. -0.03 min

Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

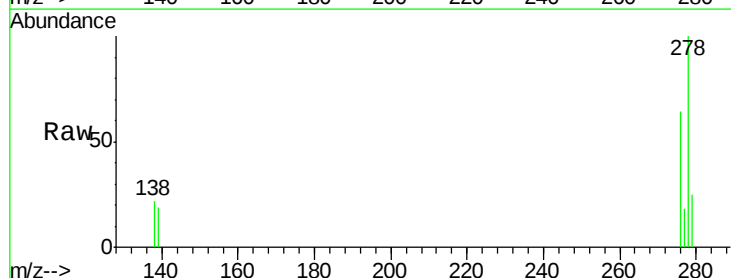
Tgt Ion:278 Resp: 24277

Ion Ratio Lower Upper

278 100

139 19.2 56.0 84.0#

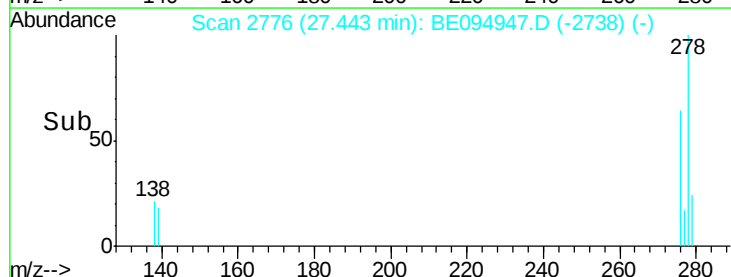
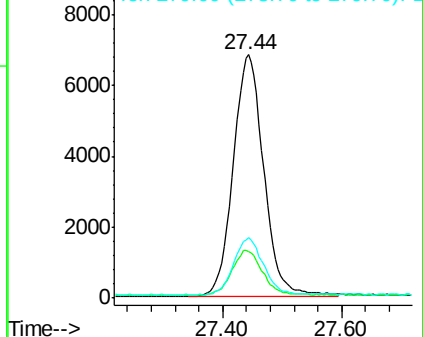
279 24.7 52.0 78.0#

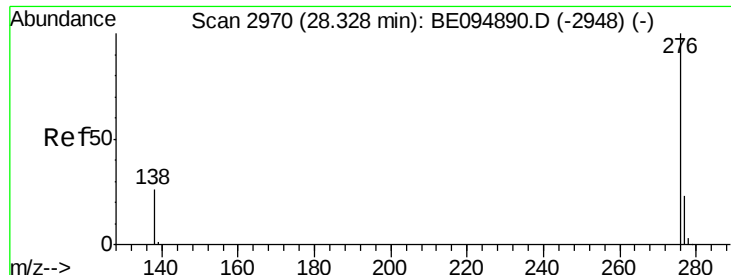


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.447 ng

RT: 28.30 min Scan# 2964

Delta R.T. -0.03 min

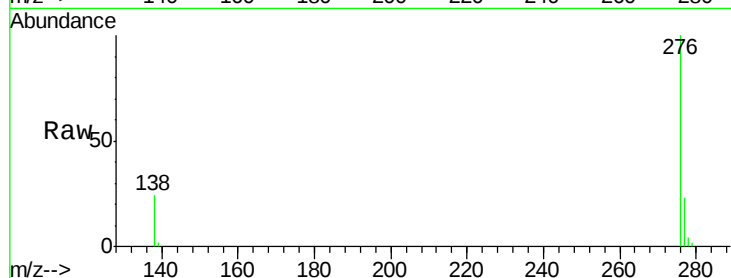
Lab File: BE094947.D

Acq: 6 Dec 2017 12:07

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 24831

Ion Ratio Lower Upper

276 100

277 23.3 52.0 78.0#

138 24.1 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

