

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121417\
 Data File : BE094984.D
 Acq On : 14 Dec 2017 19:37
 Operator : SJ/JU
 Sample : PB104984BSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BSD

Quant Time: Dec 15 08:11:22 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7369	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	15691	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7734	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	17296	0.40	ng	0.00
27) Chrysene-d12	21.87	240	18808	0.40	ng	0.00
34) Perylene-d12	24.55	264	14316	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	2722	0.24	ng	0.00
5) Phenol-d6	7.59	99	3788	0.22	ng	0.00
8) Nitrobenzene-d5	9.65	82	3454	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	6387	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	398	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	9848	0.29	ng	0.00
25) Fluoranthene-d10	19.75	212	54557	0.24	ng	0.00
29) Terphenyl-d14	20.31	244	11023	0.31	ng	0.00

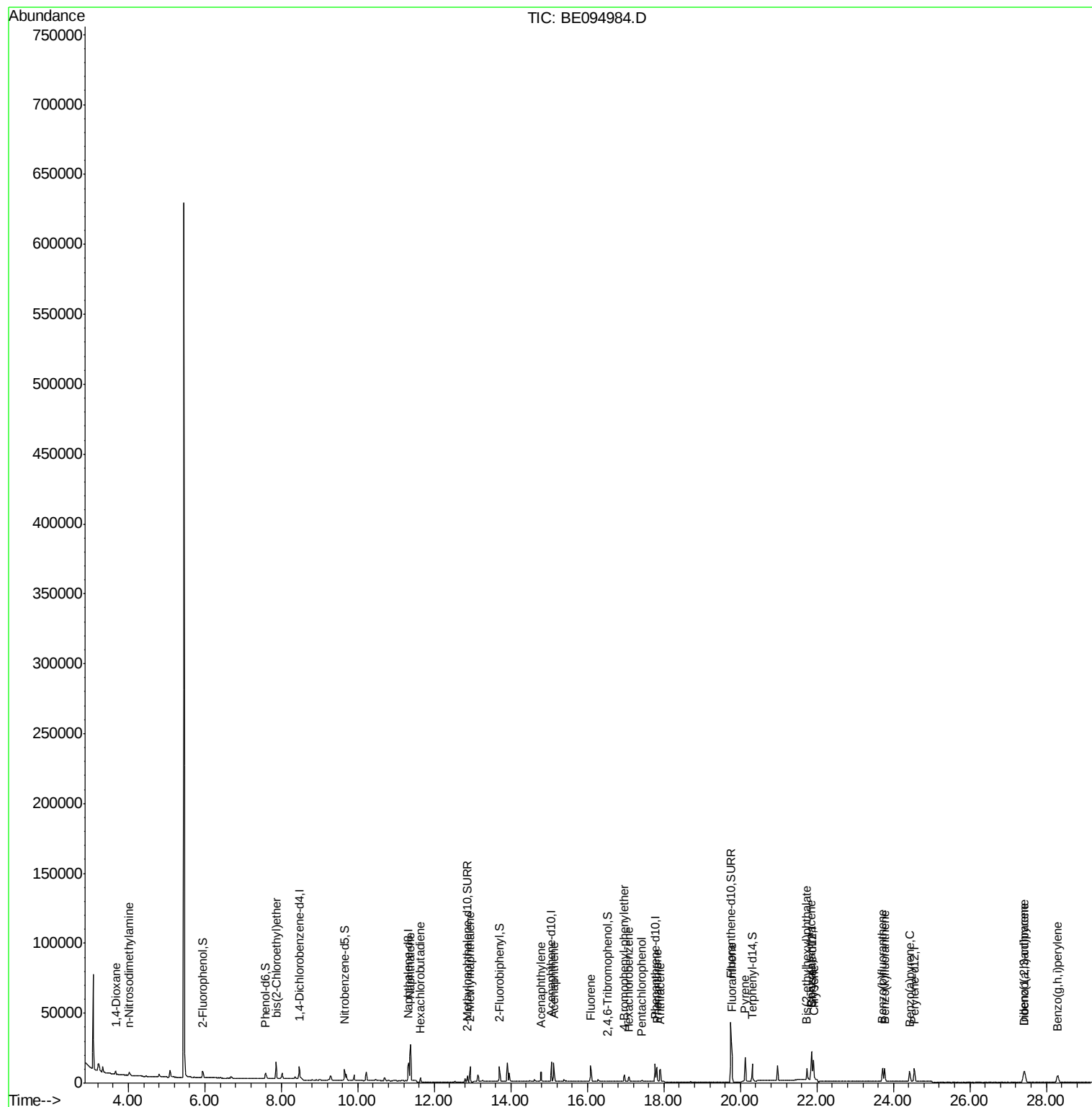
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.67	88	1626	0.224	ng	# 37
3) n-Nitrosodimethylamine	4.01	42	2223	0.259	ng	# 87
6) bis(2-Chloroethyl)ether	7.87	93	4150	0.250	ng	94
9) Naphthalene	11.38	128	46287	0.251	ng	100
10) Hexachlorobutadiene	11.63	225	2117	0.253	ng	99
12) 2-Methylnaphthalene	12.93	142	11272	0.245	ng	99
16) Acenaphthylene	14.79	152	9627	0.233	ng	99
17) Acenaphthene	15.12	154	6431	0.235	ng	93
18) Fluorene	16.08	166	8226	0.241	ng	# 78
20) 4-Bromophenyl-phenylether	16.97	248	2625	0.259	ng	# 74
21) Hexachlorobenzene	17.09	284	2697	0.261	ng	# 81
22) Pentachlorophenol	17.42	266	727	0.363	ng	# 77
23) Phenanthrene	17.82	178	13833	0.257	ng	98
24) Anthracene	17.91	178	13986	0.253	ng	# 89
26) Fluoranthene	19.78	202	16353	0.246	ng	98
28) Pyrene	20.13	202	18679	0.293	ng	96
30) Benzo(a)anthracene	21.85	228	15222	0.277	ng	# 62
31) Chrysene	21.92	228	17964	0.290	ng	# 63
32) Bis(2-ethylhexyl)phthalate	21.73	149	13752	0.196	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.41	276	14469	0.287	ng	98
35) Benzo(b)fluoranthene	23.72	252	14646	0.279	ng	# 90
36) Benzo(k)fluoranthene	23.77	252	14481	0.272	ng	# 91
37) Benzo(a)pyrene	24.43	252	12769	0.274	ng	# 94
38) Dibenzo(a,h)anthracene	27.43	278	11782	0.272	ng	98
39) Benzo(g,h,i)perylene	28.30	276	12781	0.297	ng	# 95

(#) = 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. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

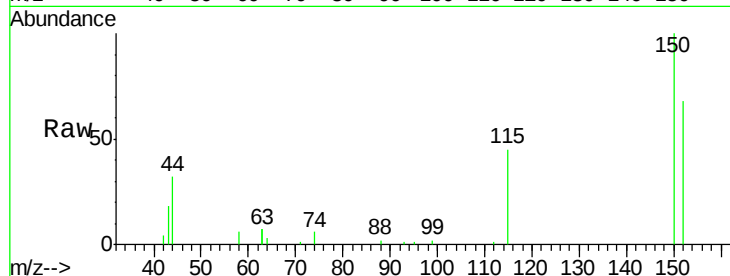
Tgt Ion:152 Resp: 7369

Ion Ratio Lower Upper

152 100

150 146.4 117.2 175.8

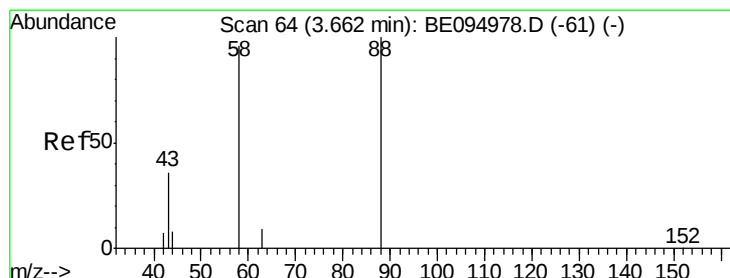
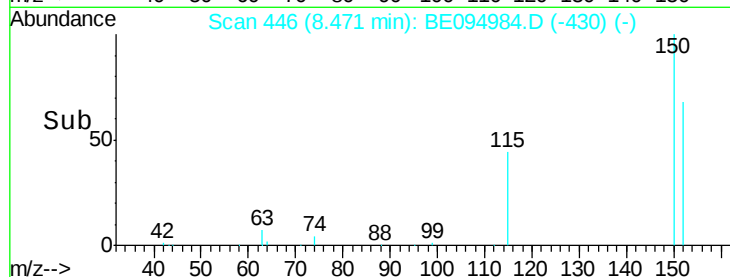
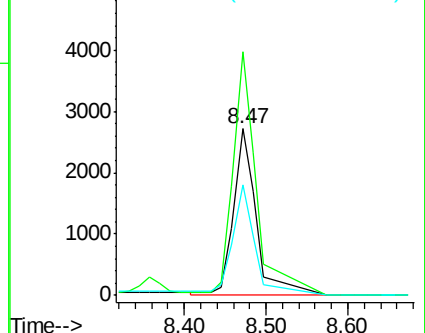
115 66.3 57.0 85.6



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: 0.224 ng

RT: 3.67 min Scan# 65

Delta R.T. 0.01 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

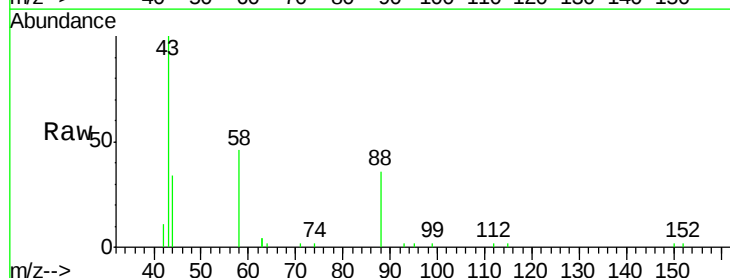
Tgt Ion: 88 Resp: 1626

Ion Ratio Lower Upper

88 100

58 116.9 63.2 94.8#

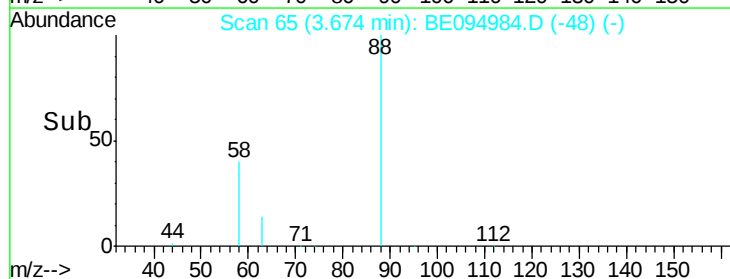
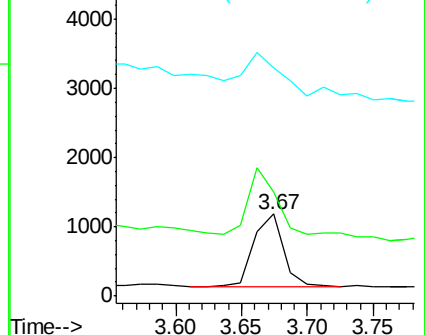
43 116.2 41.2 61.8#

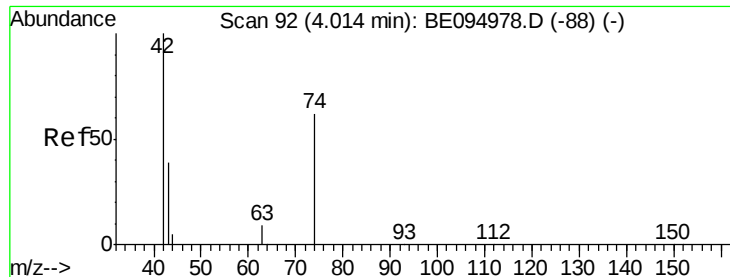


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

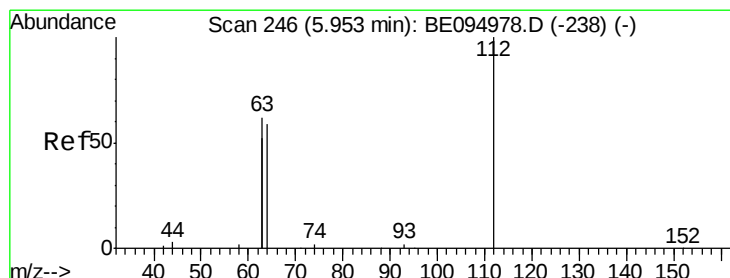
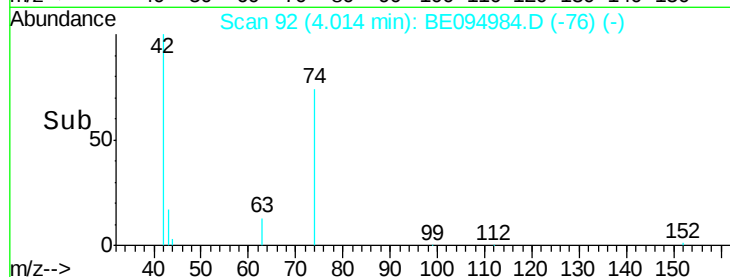
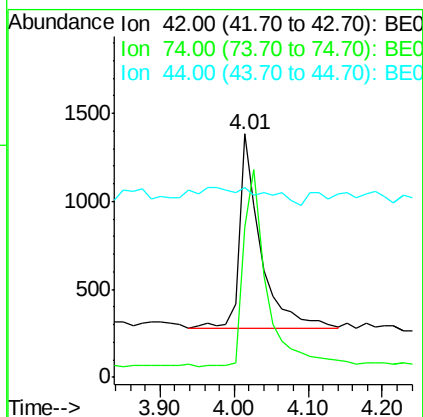
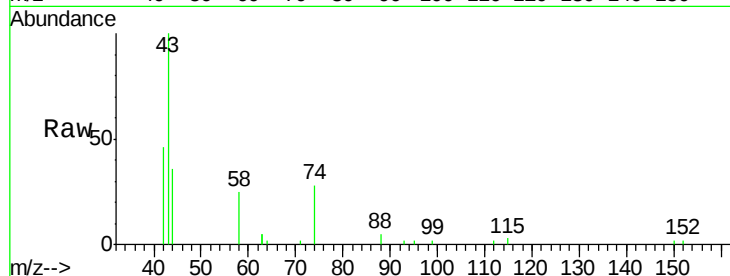




#3
 n-Nitrosodimethylamine
 Concen: 0.259 ng
 RT: 4.01 min Scan# 92
 Delta R.T. 0.00 min
 Lab File: BE094984.D
 Acq: 14 Dec 2017 19:37

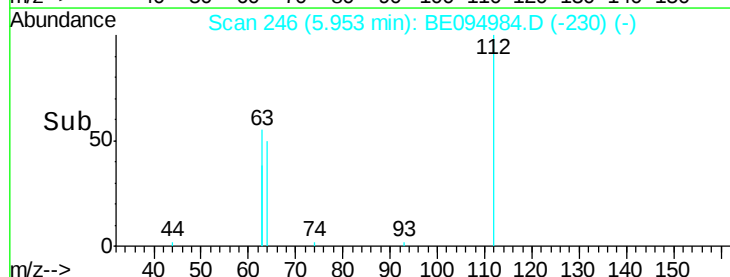
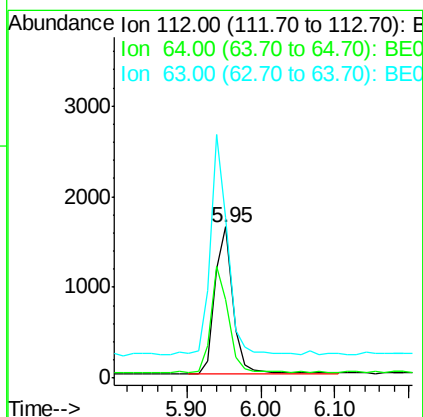
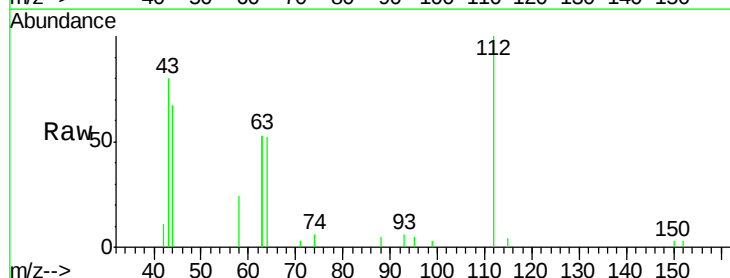
Instrument :
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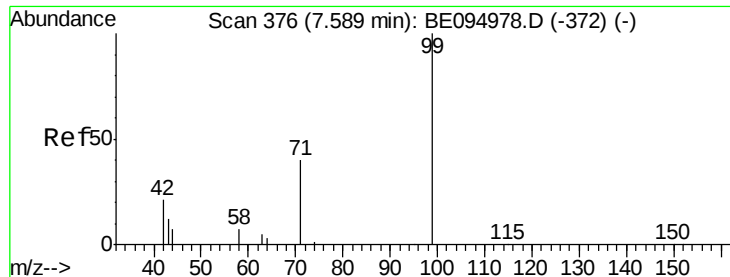
Tgt Ion: 42 Resp: 2223
 Ion Ratio Lower Upper
 42 100
 74 108.3 96.0 144.0
 44 0.0 12.0 18.0#



#4
 2-Fluorophenol
 Concen: 0.238 ng
 RT: 5.95 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: BE094984.D
 Acq: 14 Dec 2017 19:37

Tgt Ion: 112 Resp: 2722
 Ion Ratio Lower Upper
 112 100
 64 72.8 60.1 90.1
 63 147.2 116.8 175.2





#5

Phenol-d6

Concen: 0.223 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

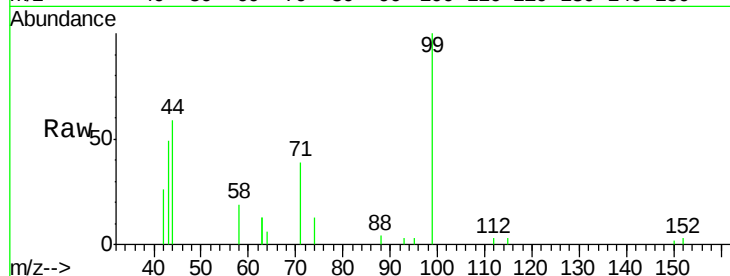
Tgt Ion: 99 Resp: 3788

Ion Ratio Lower Upper

99 100

42 26.1 20.2 30.2

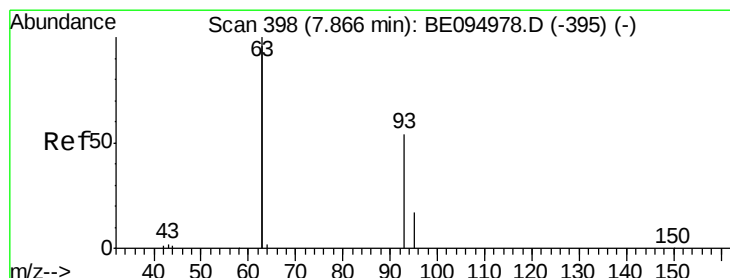
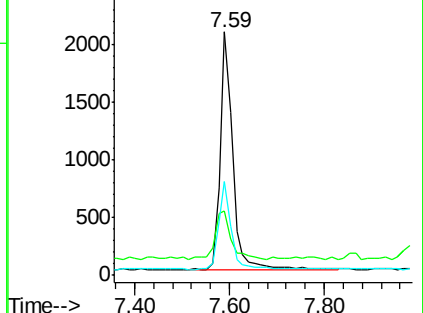
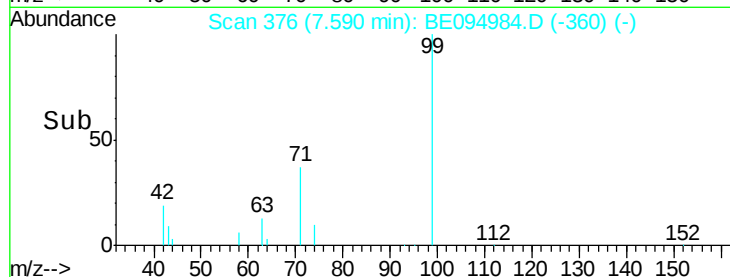
71 36.6 28.4 42.6



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: 0.250 ng

RT: 7.87 min Scan# 398

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

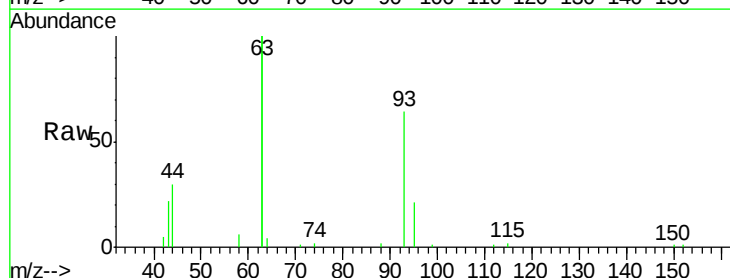
Tgt Ion: 93 Resp: 4150

Ion Ratio Lower Upper

93 100

63 329.4 275.3 412.9

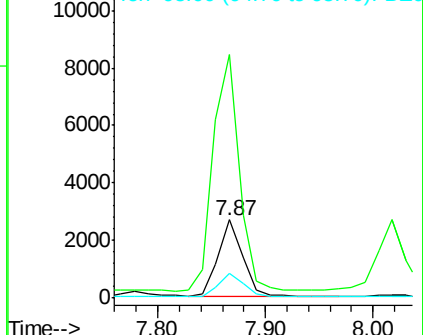
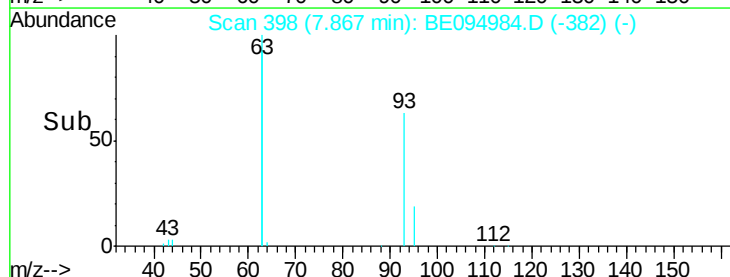
95 32.5 25.2 37.8

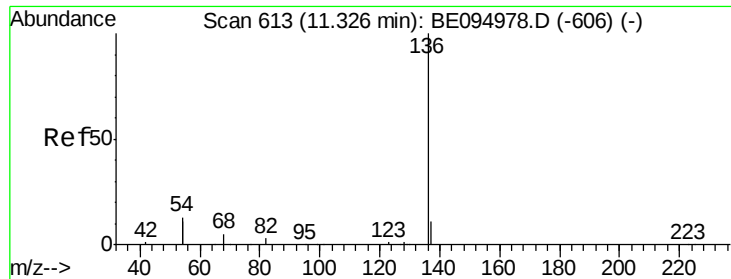


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

Tgt Ion:136 Resp: 15691

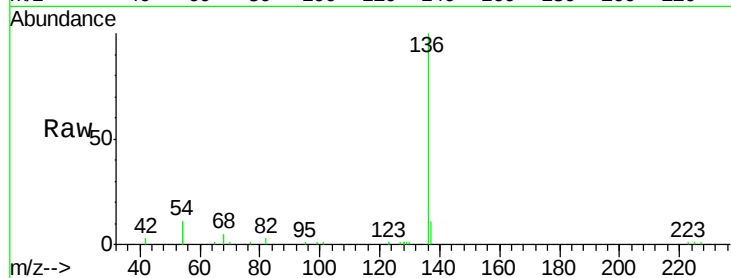
Ion Ratio Lower Upper

136 100

137 10.9 9.5 14.3

54 21.3 29.1 43.7#

68 4.8 6.2 9.2#

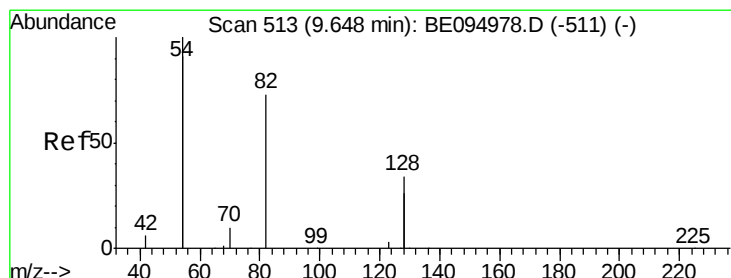
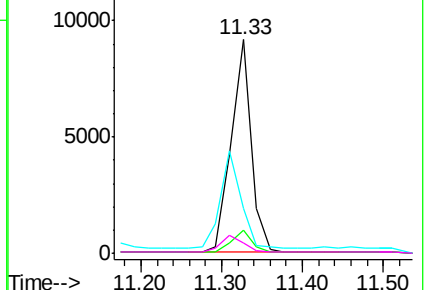
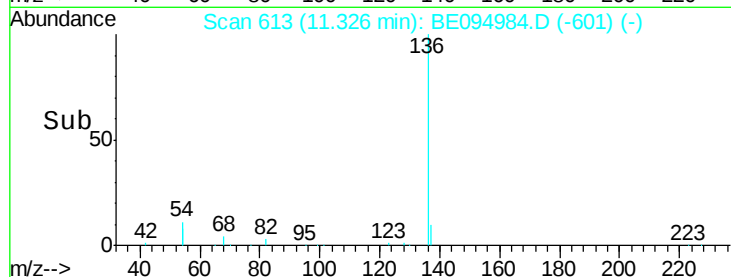


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.268 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

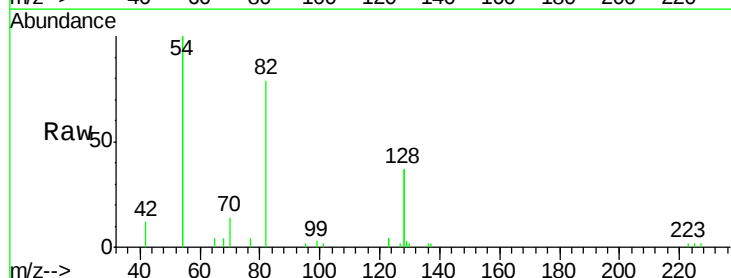
Tgt Ion: 82 Resp: 3454

Ion Ratio Lower Upper

82 100

128 93.8 150.0 225.0#

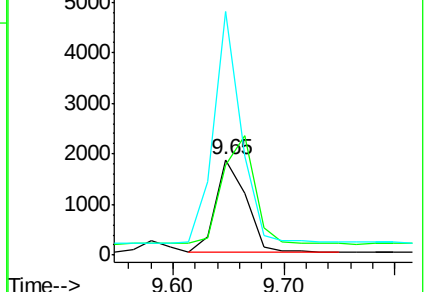
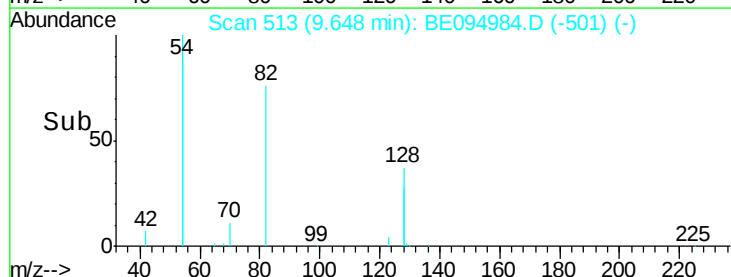
54 254.3 154.2 231.4#

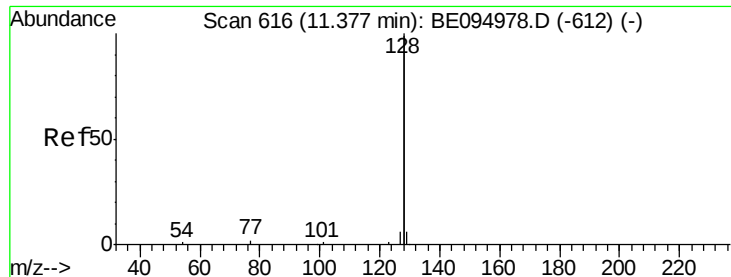


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.251 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

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ClientSampleId :

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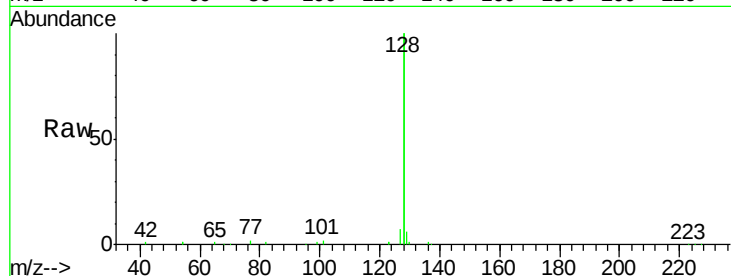
Tgt Ion:128 Resp: 46287

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

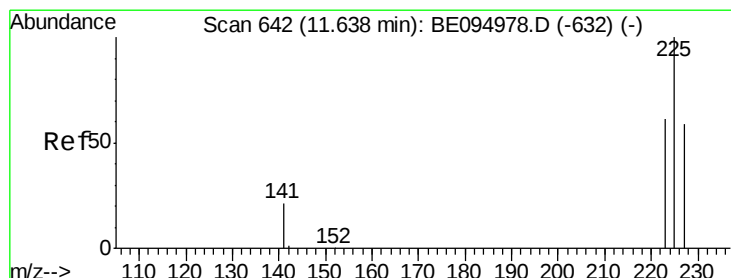
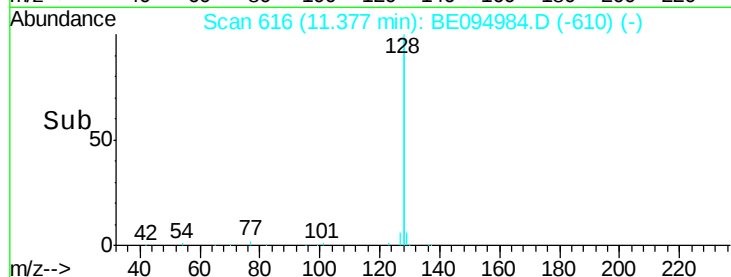
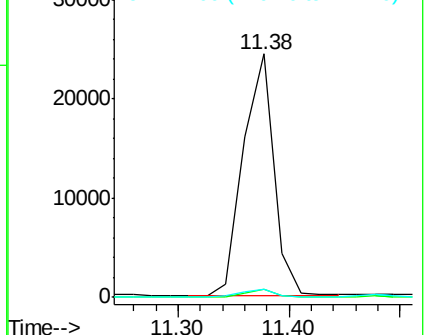
127 3.3 2.8 4.2



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: 0.253 ng

RT: 11.63 min Scan# 641

Delta R.T. -0.01 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

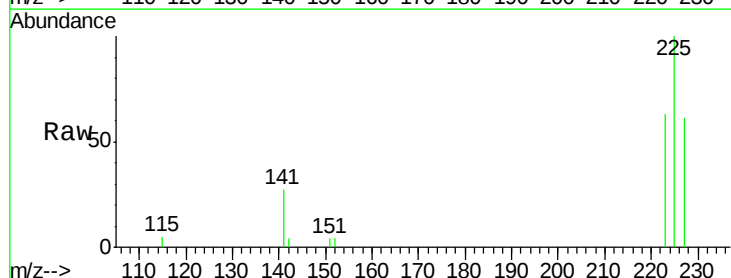
Tgt Ion:225 Resp: 2117

Ion Ratio Lower Upper

225 100

223 64.1 53.0 79.6

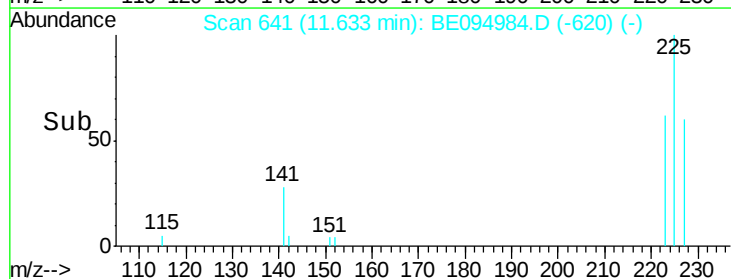
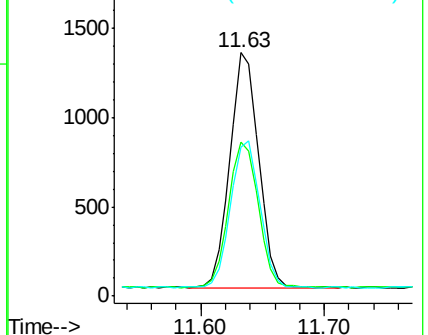
227 64.3 51.4 77.2

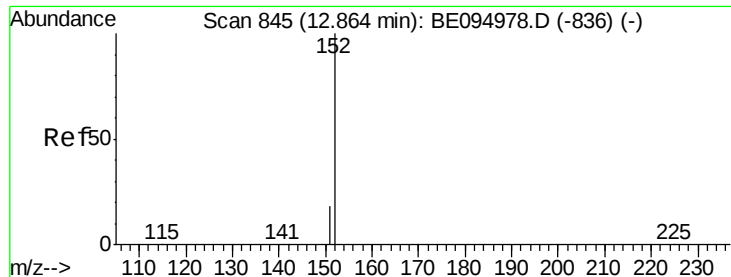


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

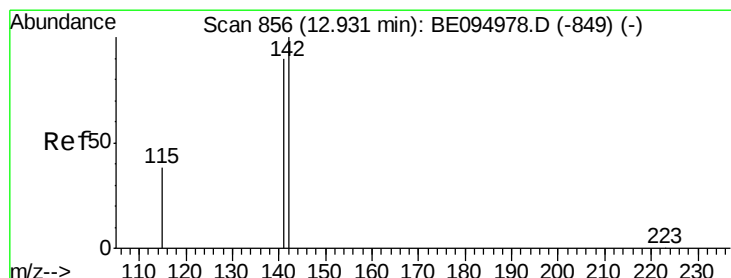
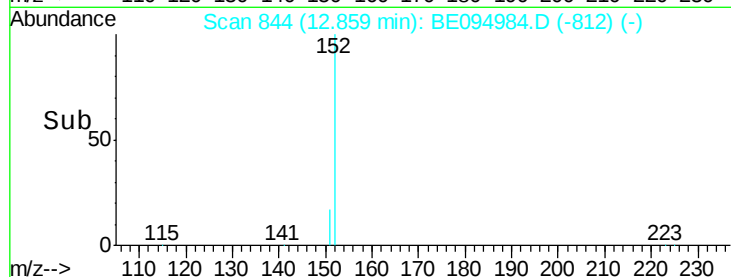
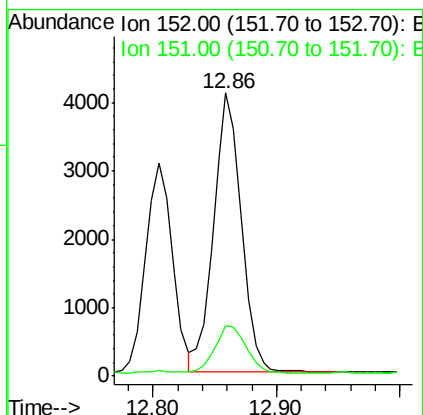
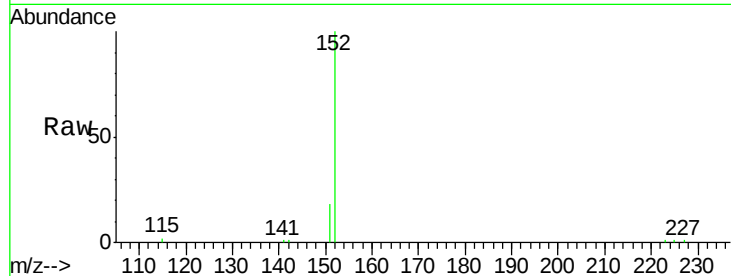




#11
 2-Methylnaphthalene-d10
 Concen: 0.249 ng
 RT: 12.86 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BE094984.D
 Acq: 14 Dec 2017 19:37

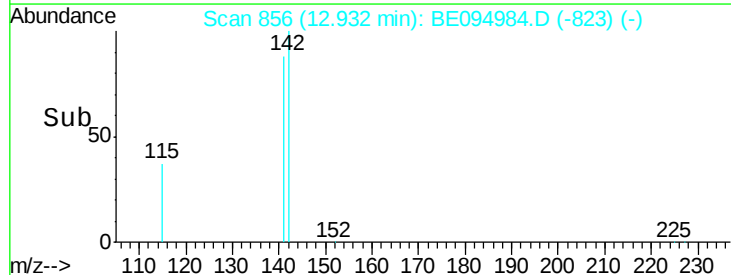
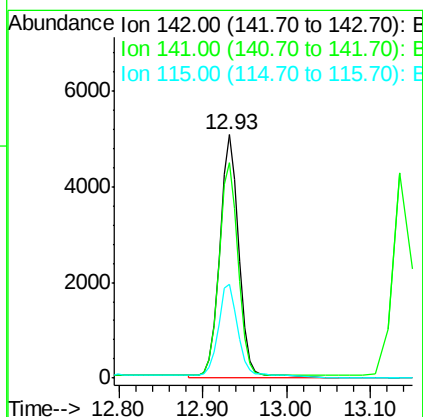
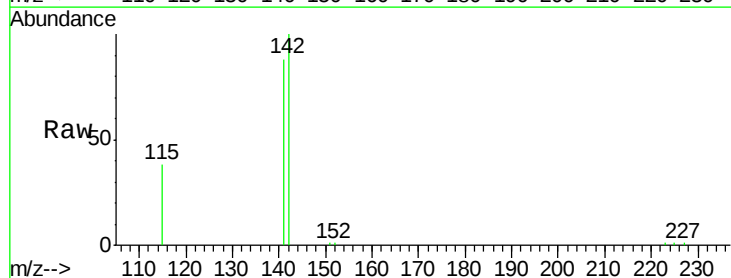
Instrument :
 BNA_E
 ClientSampleId :
 PB104984BSD

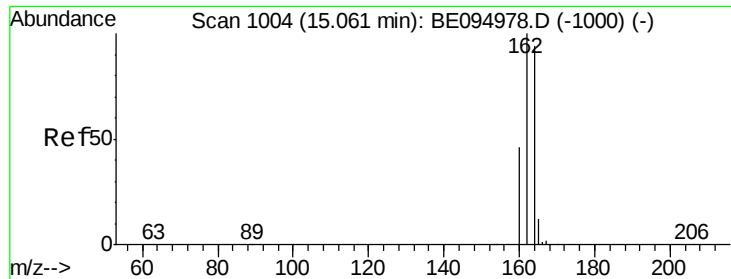
Tgt Ion:152 Resp: 6387
 Ion Ratio Lower Upper
 152 100
 151 18.7 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.245 ng
 RT: 12.93 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BE094984.D
 Acq: 14 Dec 2017 19:37

Tgt Ion:142 Resp: 11272
 Ion Ratio Lower Upper
 142 100
 141 88.5 70.4 105.6
 115 38.4 31.7 47.5

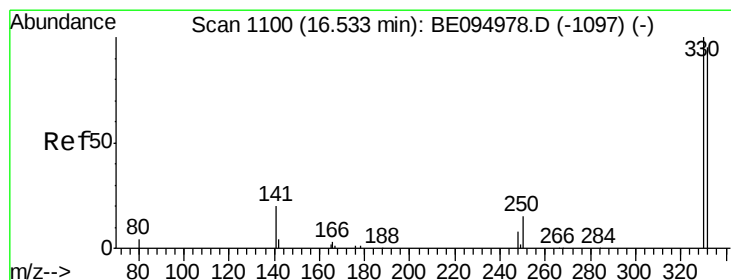
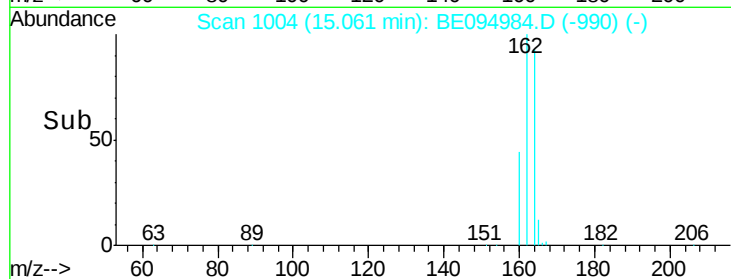
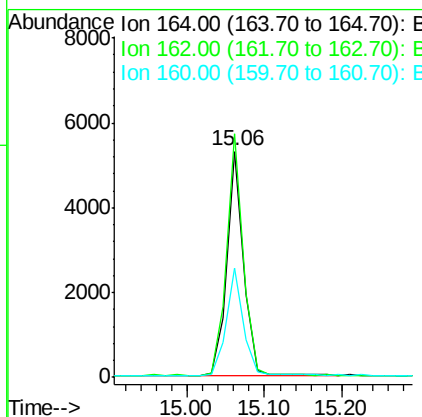
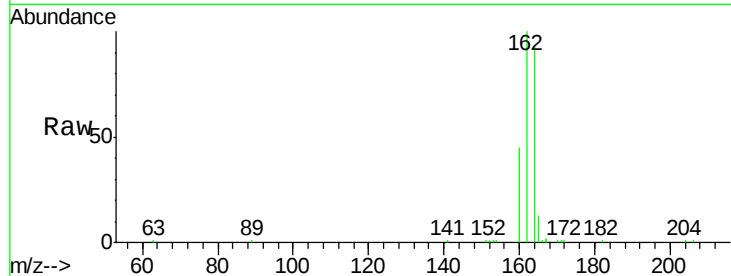




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE094984.D
Acq: 14 Dec 2017 19:37

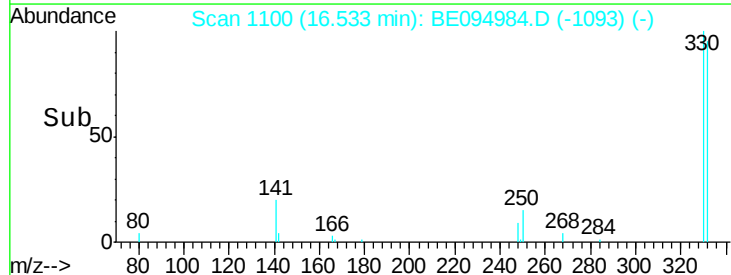
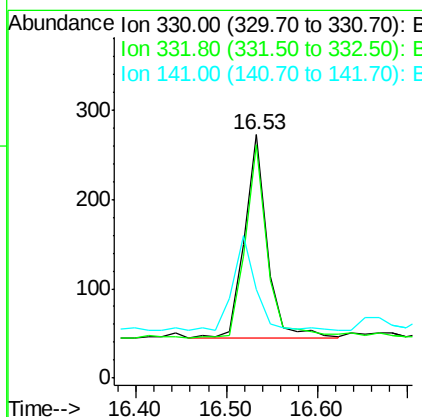
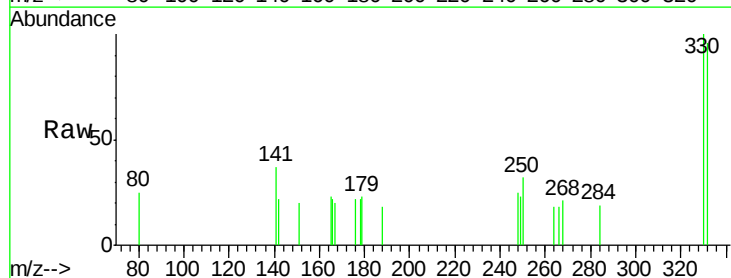
Instrument :
BNA_E
ClientSampleId :
PB104984BSD

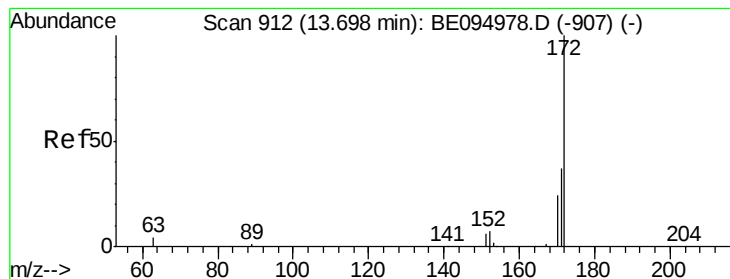
Tgt Ion:164 Resp: 7734
Ion Ratio Lower Upper
164 100
162 107.8 83.1 124.7
160 48.4 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.221 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094984.D
Acq: 14 Dec 2017 19:37

Tgt Ion:330 Resp: 398
Ion Ratio Lower Upper
330 100
332 93.5 152.7 229.1#
141 48.2 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.287 ng

RT: 13.70 min Scan# 912

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

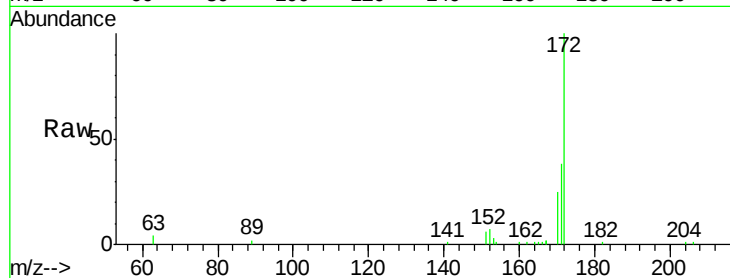
Tgt Ion:172 Resp: 9848

Ion Ratio Lower Upper

172 100

171 38.1 29.9 44.9

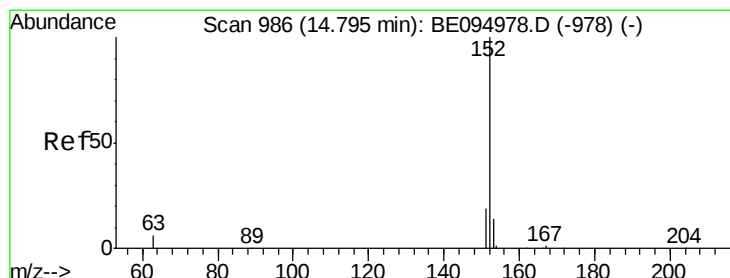
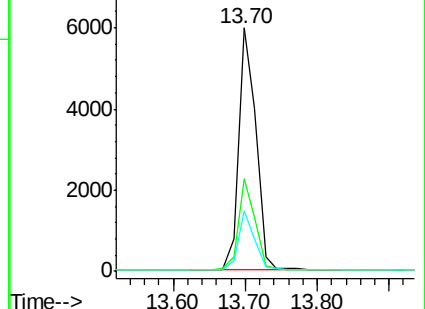
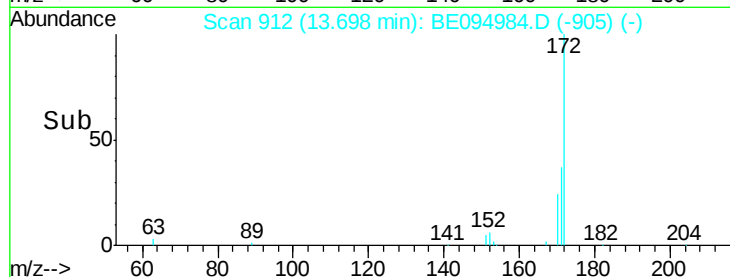
170 24.9 21.8 32.8



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: 0.233 ng

RT: 14.79 min Scan# 986

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

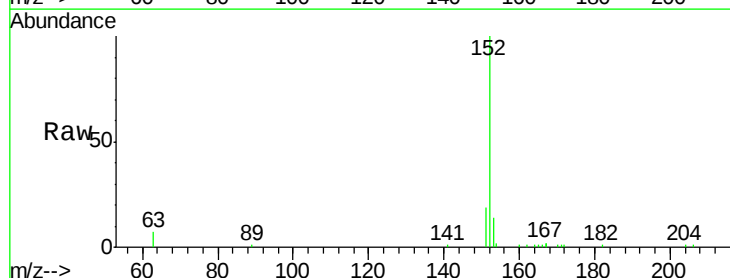
Tgt Ion:152 Resp: 9627

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

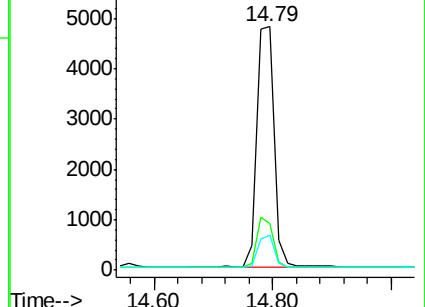
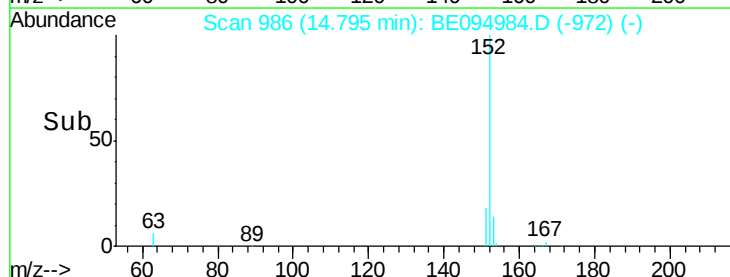
153 12.7 10.5 15.7

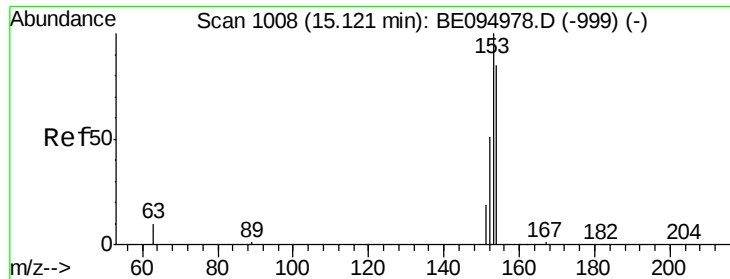


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.235 ng

RT: 15.12 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

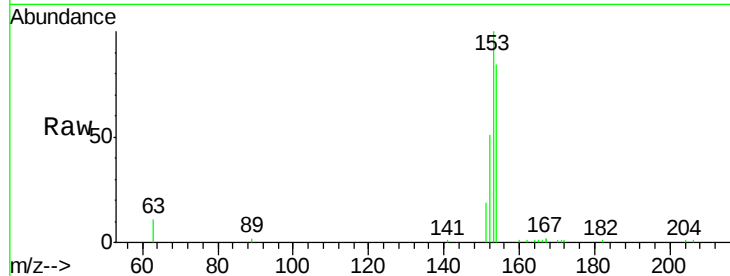
Tgt Ion:154 Resp: 6431

Ion Ratio Lower Upper

154 100

153 117.8 89.2 133.8

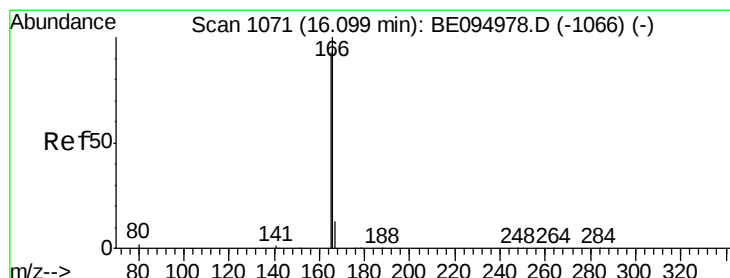
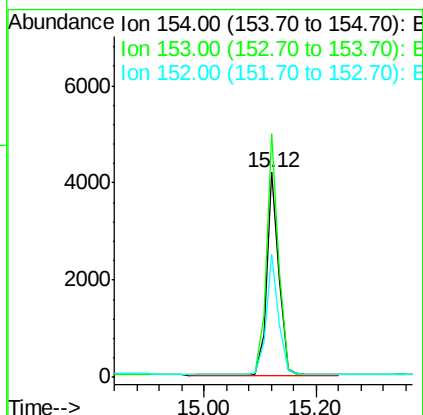
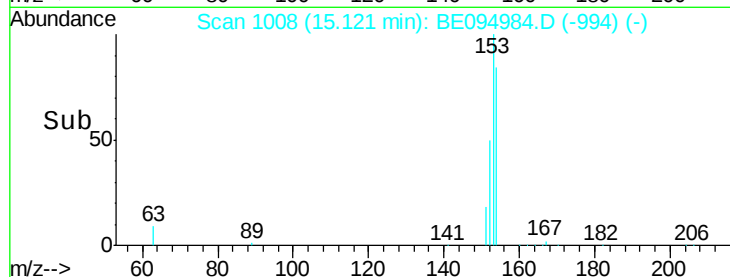
152 59.6 42.0 63.0



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: 0.241 ng

RT: 16.08 min Scan# 1070

Delta R.T. -0.01 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

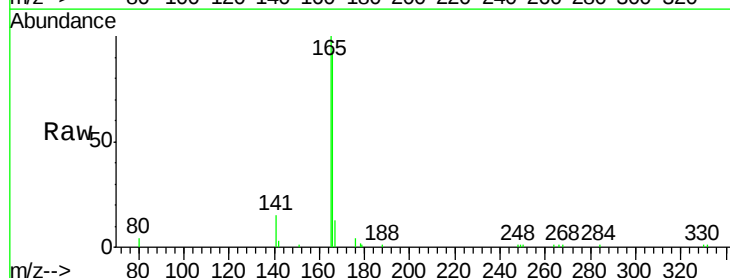
Tgt Ion:166 Resp: 8226

Ion Ratio Lower Upper

166 100

165 100.9 77.8 116.6

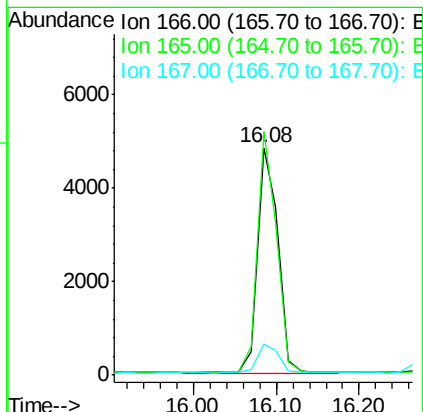
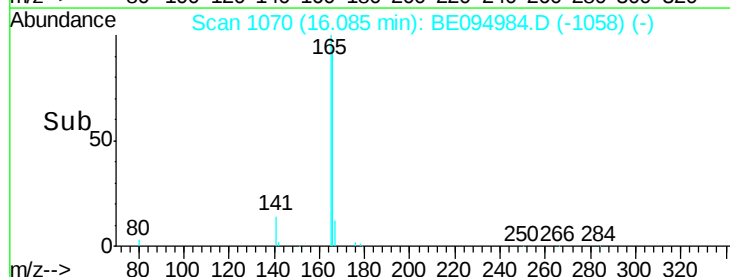
167 13.5 42.4 63.6#

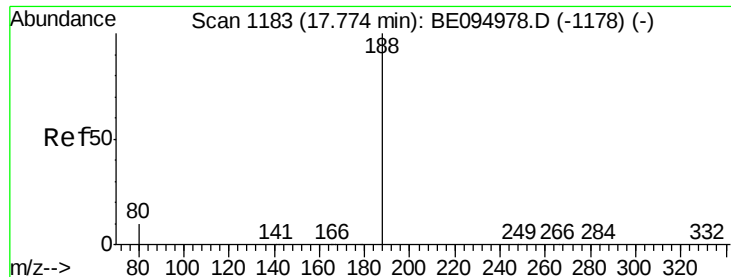


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

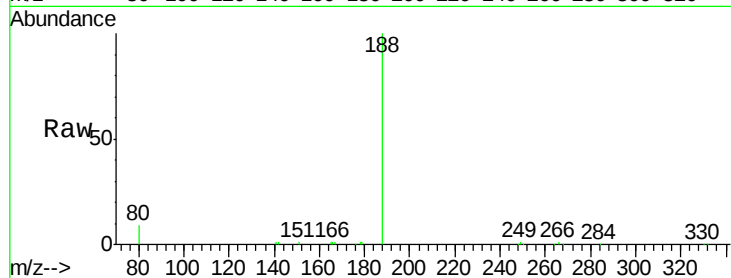
Tgt Ion:188 Resp: 17296

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

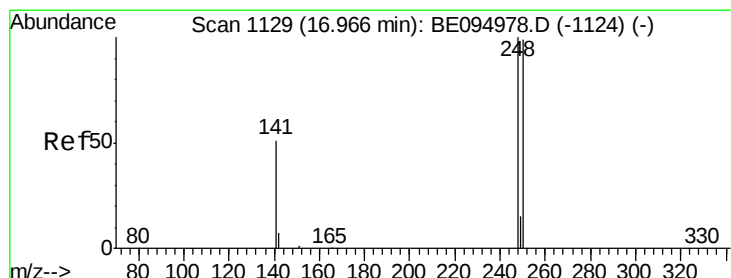
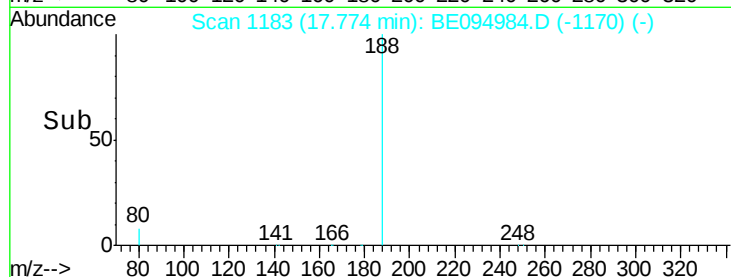
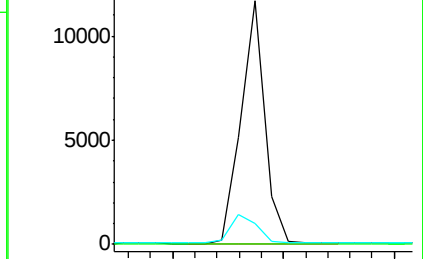
80 8.8 3.6 5.4#



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: 0.259 ng

RT: 16.97 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

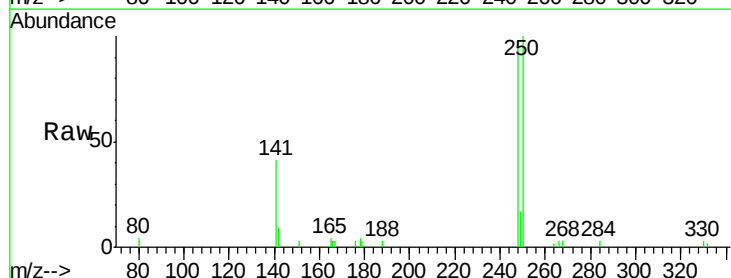
Tgt Ion:248 Resp: 2625

Ion Ratio Lower Upper

248 100

250 102.1 62.7 94.1#

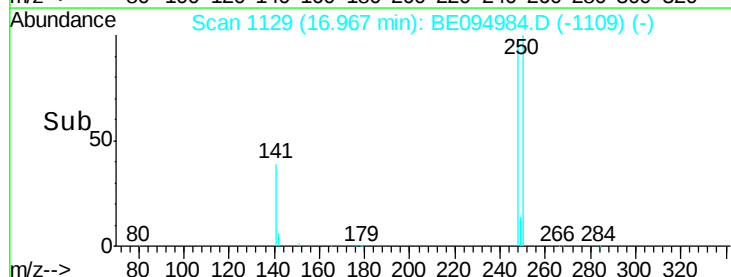
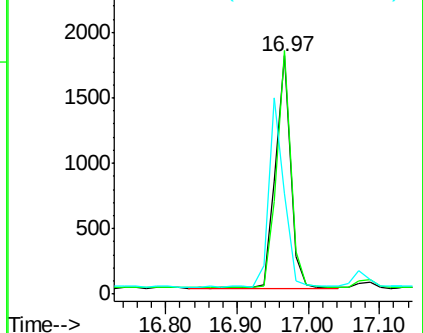
141 42.0 48.2 72.2#

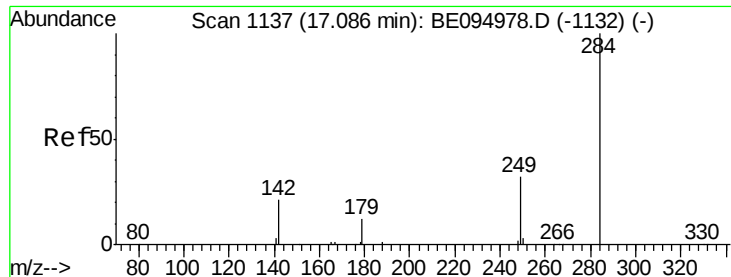


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.261 ng

RT: 17.09 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

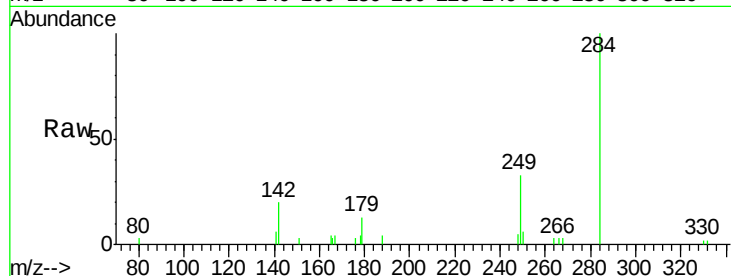
Tgt Ion:284 Resp: 2697

Ion Ratio Lower Upper

284 100

142 42.3 22.1 33.1#

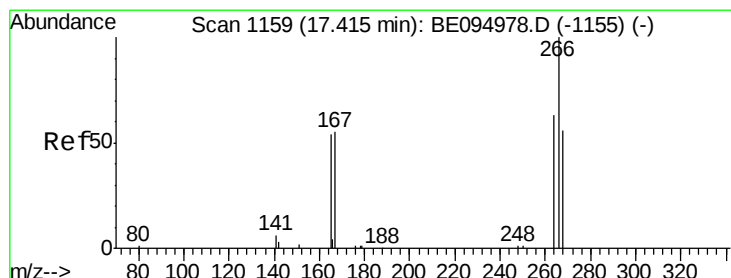
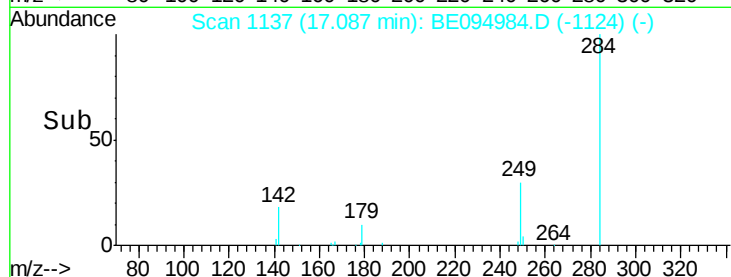
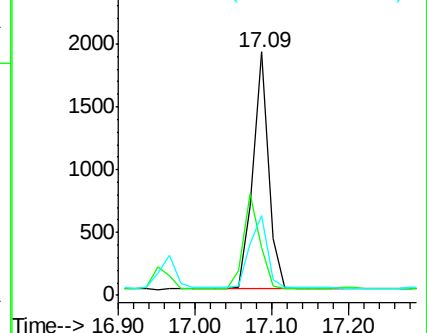
249 34.6 34.8 52.2#



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: 0.363 ng

RT: 17.42 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

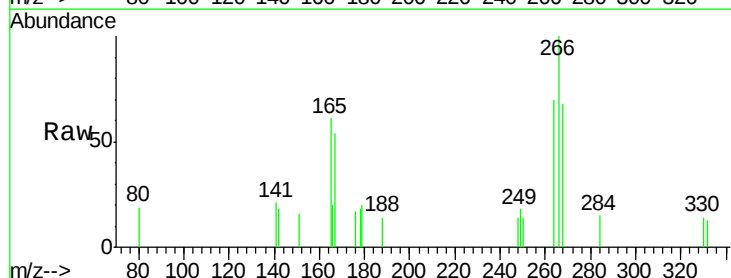
Tgt Ion:266 Resp: 727

Ion Ratio Lower Upper

266 100

264 69.8 72.5 108.7#

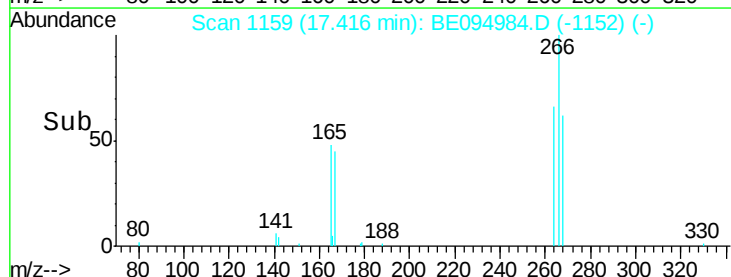
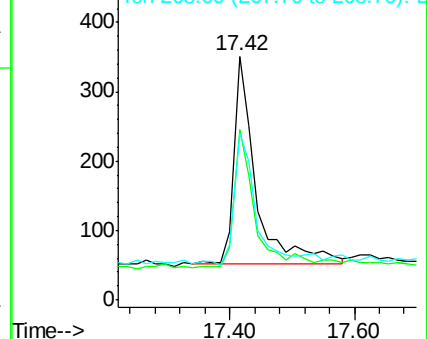
268 68.4 73.8 110.6#

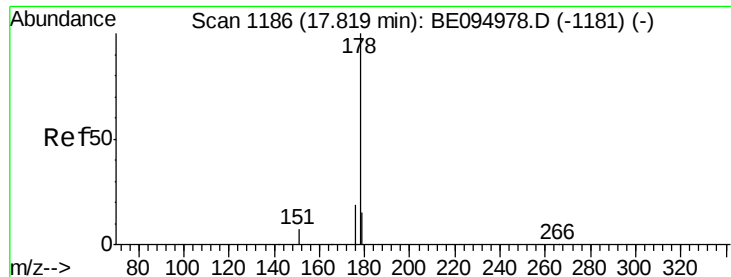


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.257 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

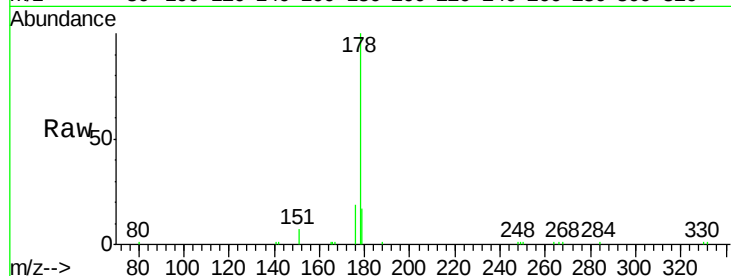
Tgt Ion:178 Resp: 13833

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

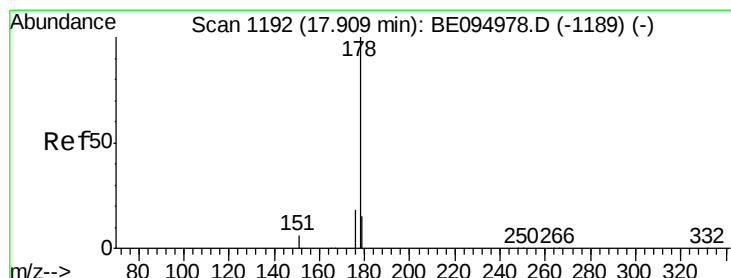
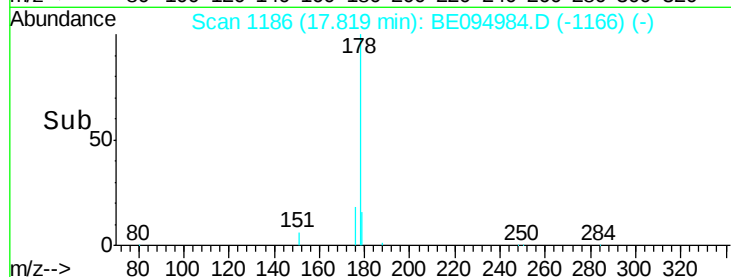
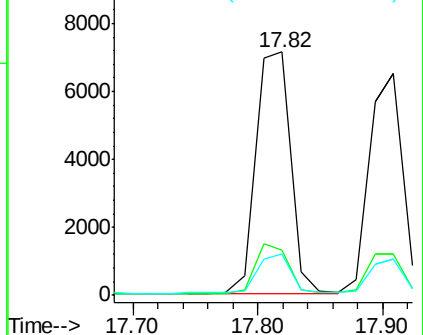
179 15.9 11.8 17.6



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: 0.253 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

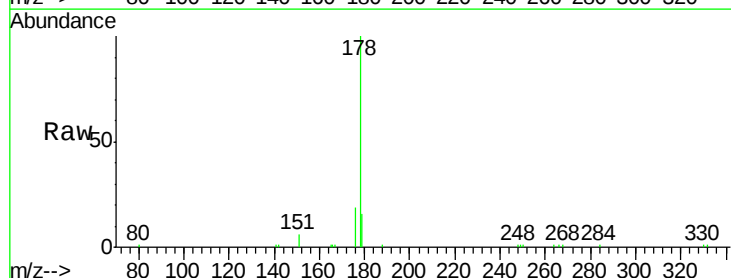
Tgt Ion:178 Resp: 13986

Ion Ratio Lower Upper

178 100

176 22.3 12.8 19.2#

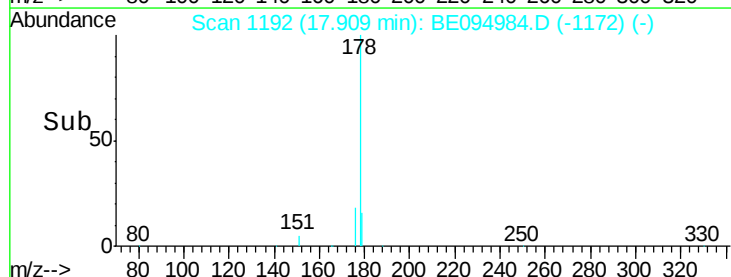
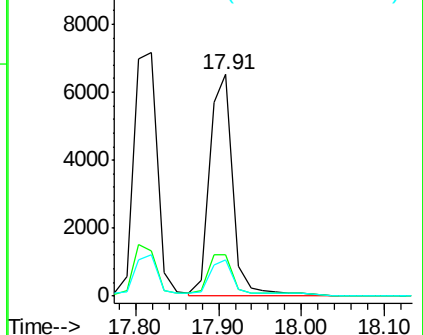
179 19.3 13.0 19.6

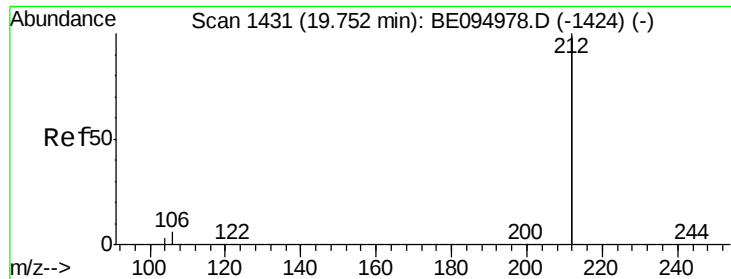


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.243 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

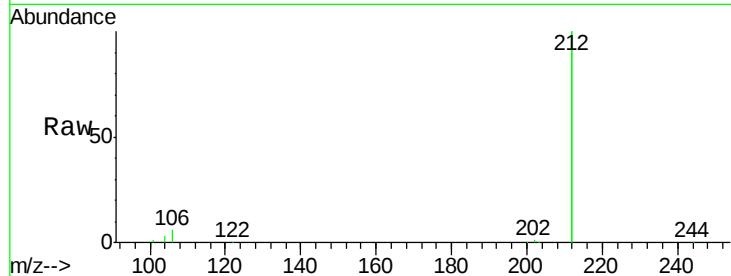
Tgt Ion:212 Resp: 54557

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

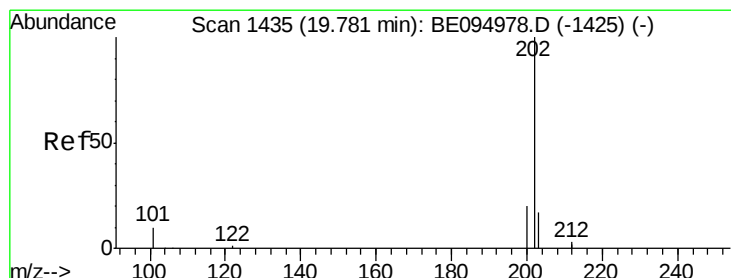
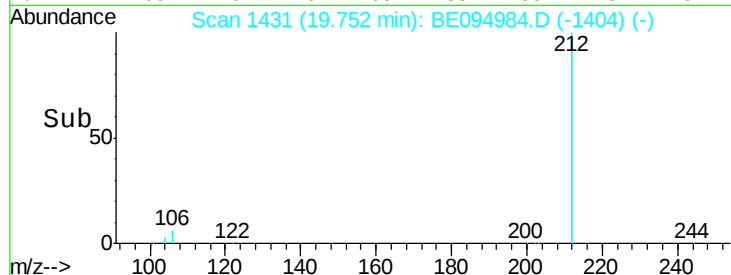
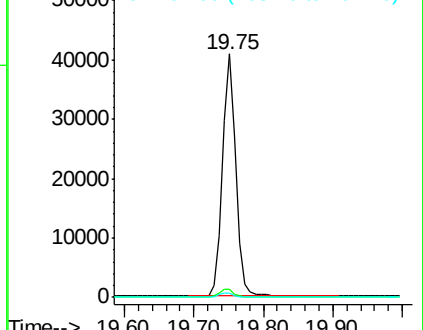
104 1.9 1.6 2.4



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: 0.246 ng

RT: 19.78 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

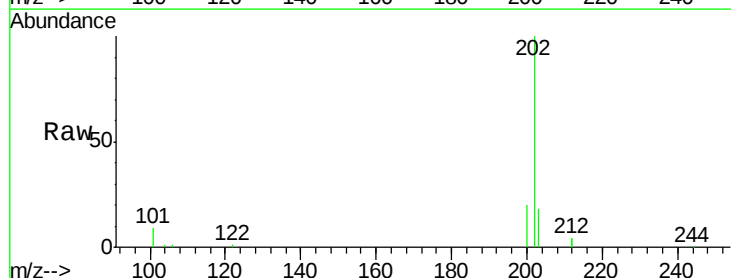
Tgt Ion:202 Resp: 16353

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

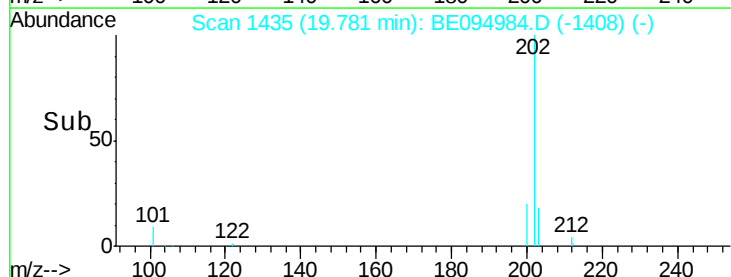
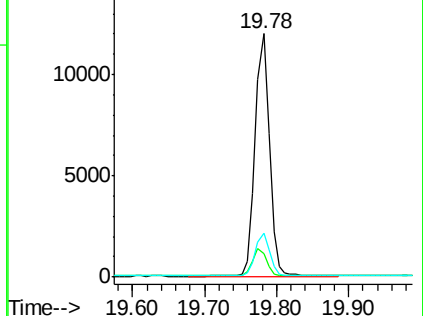
203 17.6 13.7 20.5

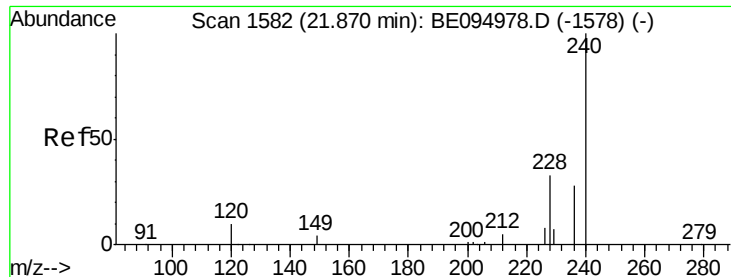


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

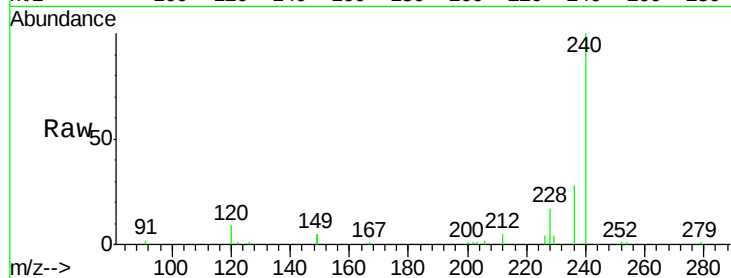
Tgt Ion:240 Resp: 18808

Ion Ratio Lower Upper

240 100

120 8.7 5.5 8.3#

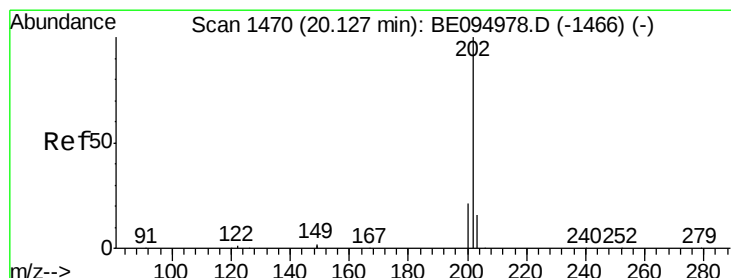
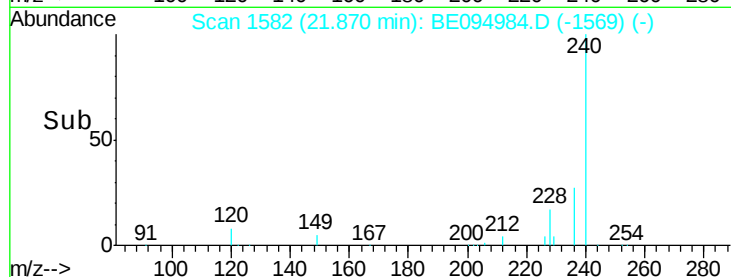
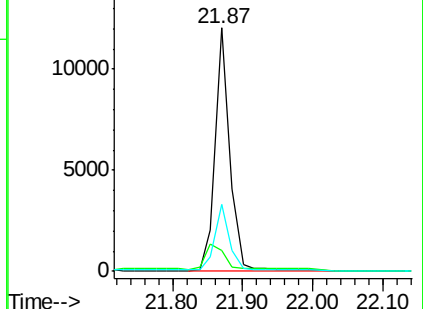
236 27.7 20.7 31.1



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: 0.293 ng

RT: 20.13 min Scan# 1470

Delta R.T. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

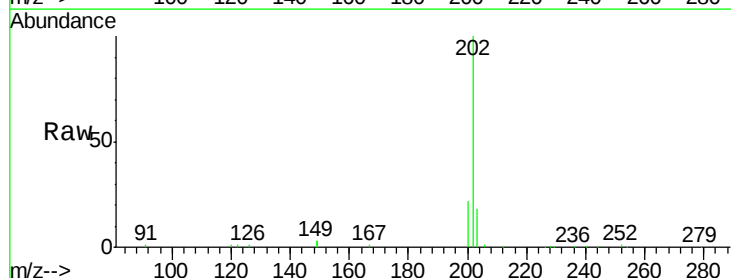
Tgt Ion:202 Resp: 18679

Ion Ratio Lower Upper

202 100

200 18.5 16.6 25.0

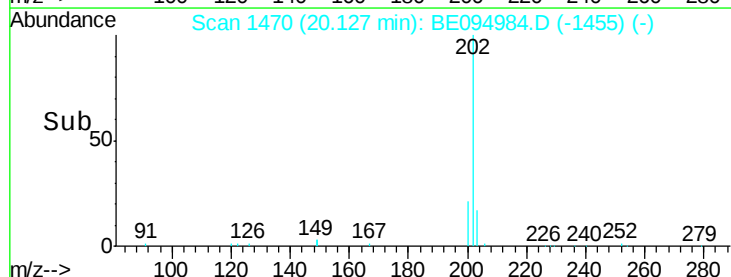
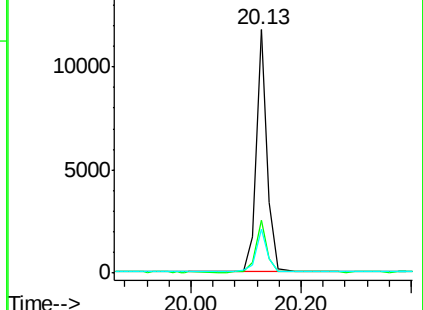
203 18.4 13.8 20.8

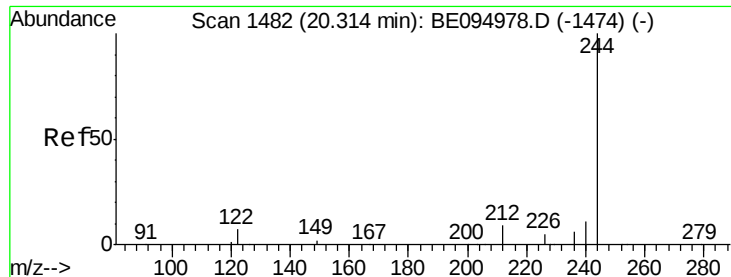


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.311 ng

RT: 20.31 min Scan# 1482

Delta R.T. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

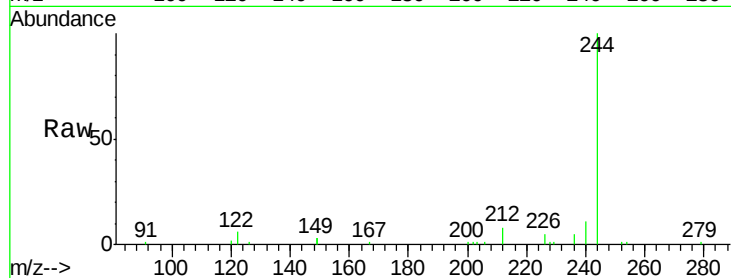
Tgt Ion:244 Resp: 11023

Ion Ratio Lower Upper

244 100

212 8.2 25.4 38.0#

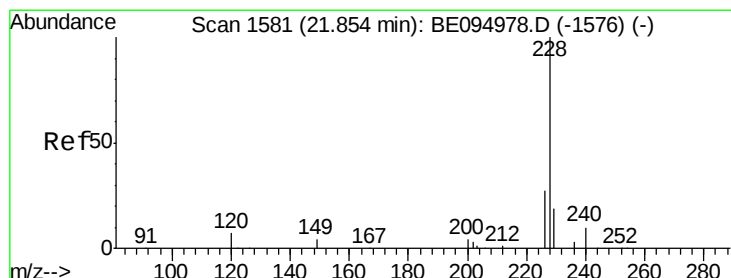
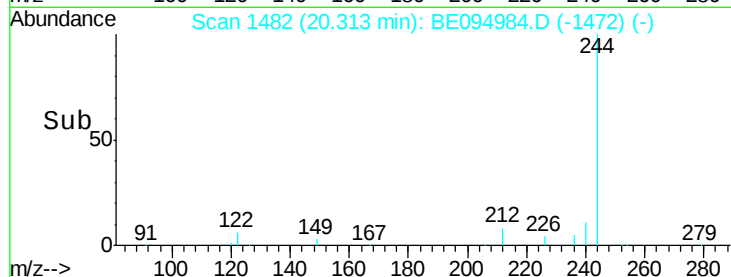
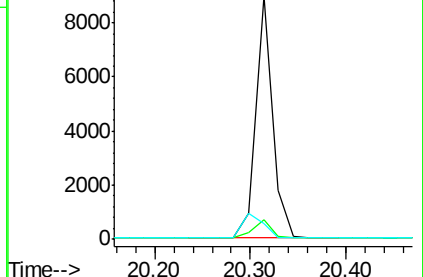
122 6.4 8.1 12.1#



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: 0.277 ng

RT: 21.85 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

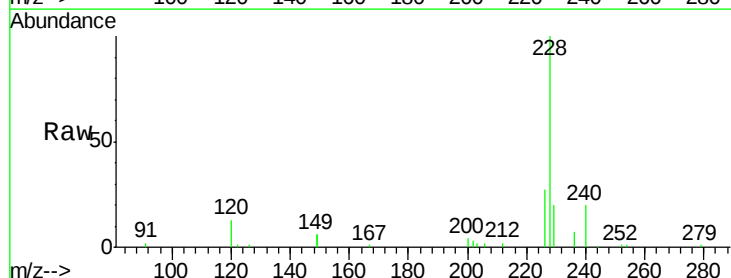
Tgt Ion:228 Resp: 15222

Ion Ratio Lower Upper

228 100

226 27.1 40.0 60.0#

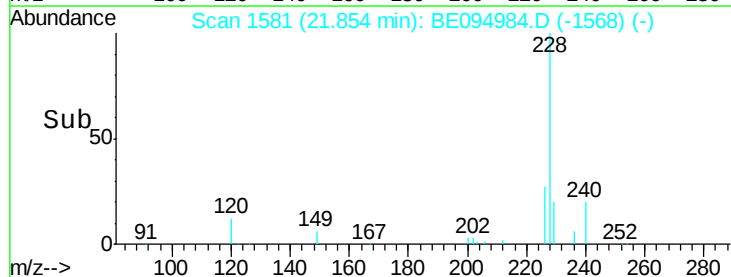
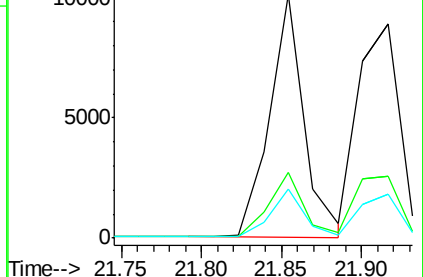
229 20.4 40.0 60.0#

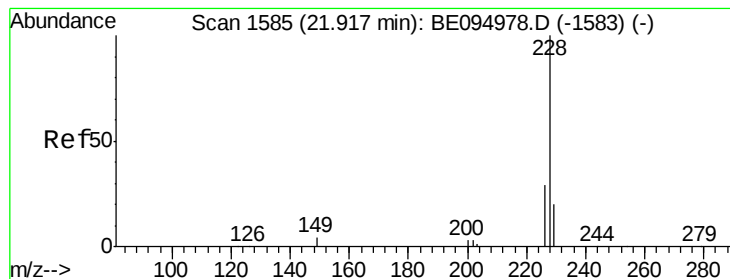


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.290 ng

RT: 21.92 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

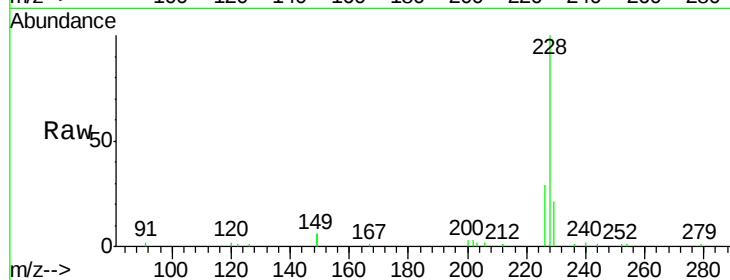
Tgt Ion:228 Resp: 17964

Ion Ratio Lower Upper

228 100

226 28.9 40.0 60.0#

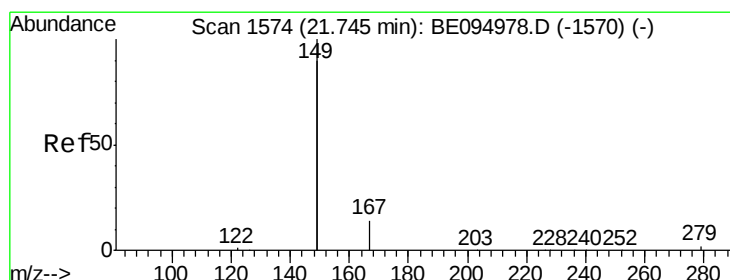
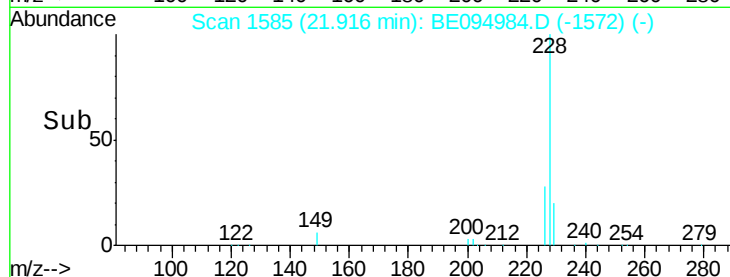
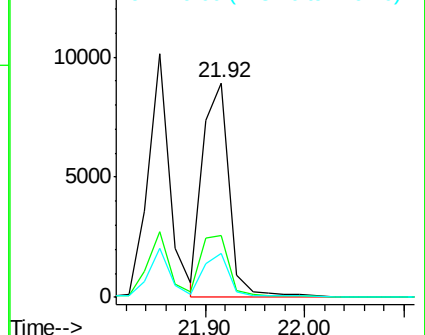
229 20.6 40.0 60.0#



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: 0.196 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

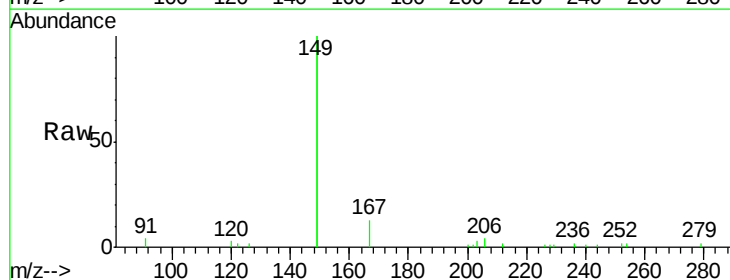
Tgt Ion:149 Resp: 13752

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

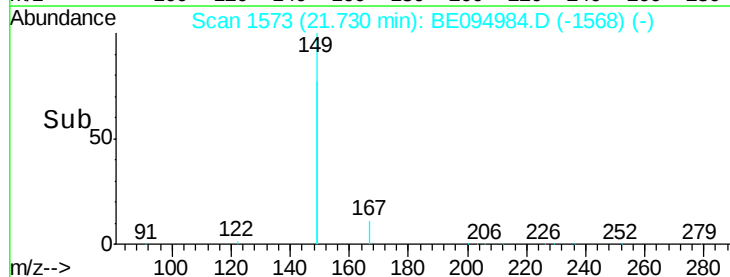
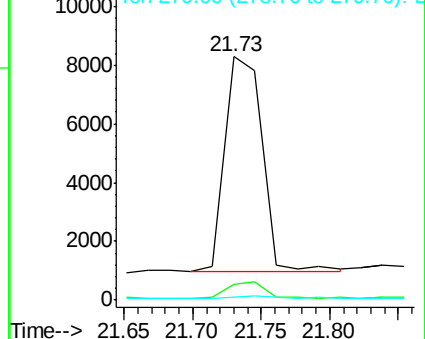
279 1.2 0.7 1.1#

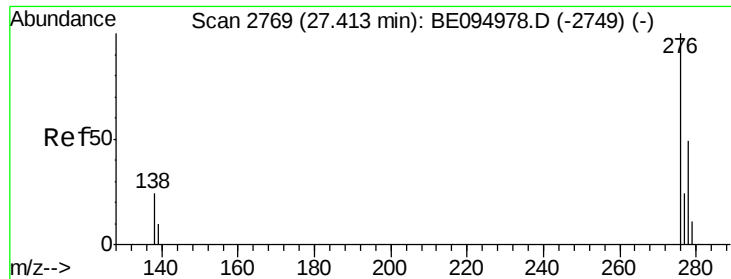


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.287 ng

RT: 27.41 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

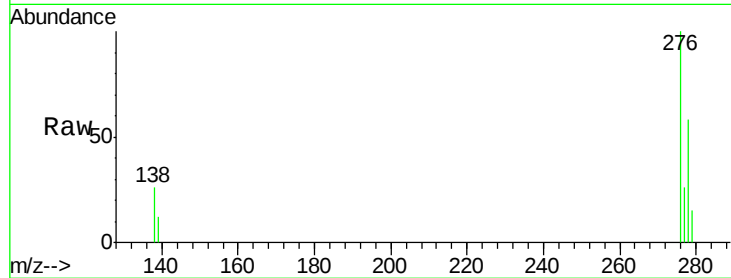
Tgt Ion:276 Resp: 14469

Ion Ratio Lower Upper

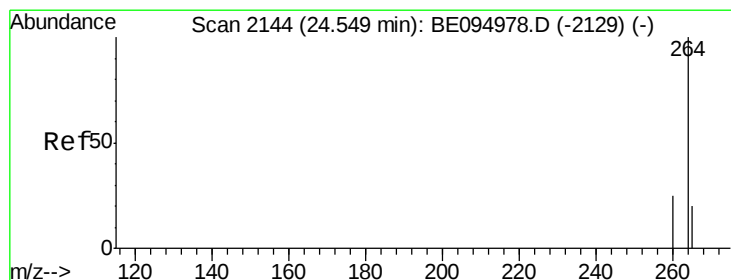
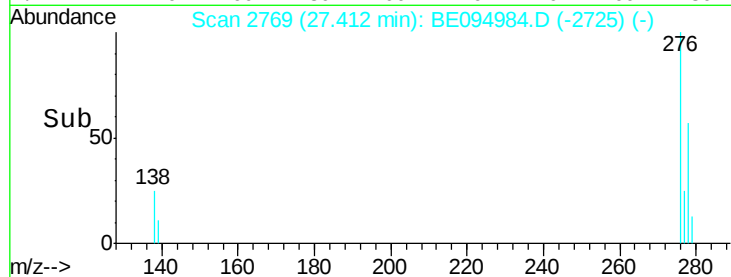
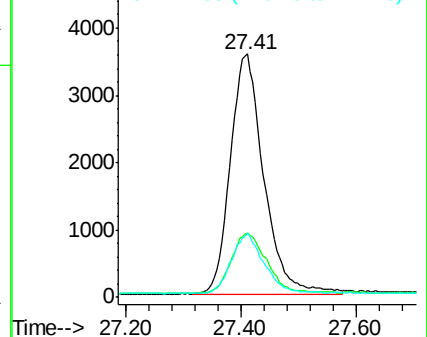
276 100

138 26.5 22.5 33.7

277 24.2 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: 24.55 min Scan# 2144

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

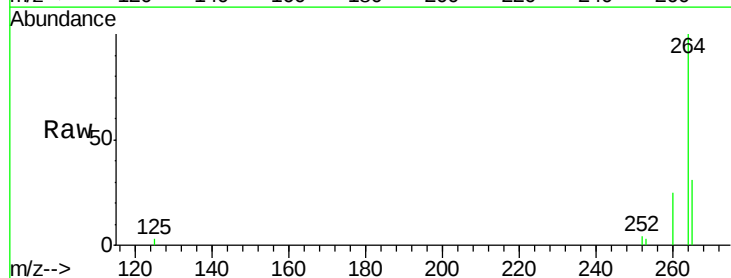
Tgt Ion:264 Resp: 14316

Ion Ratio Lower Upper

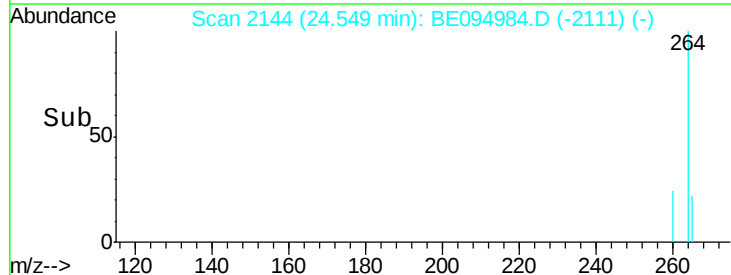
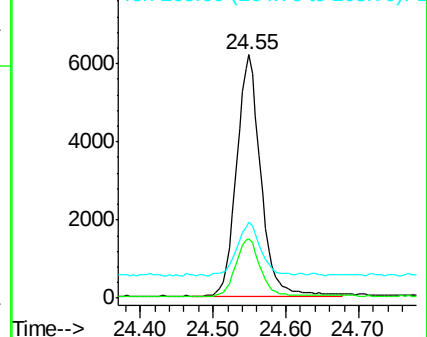
264 100

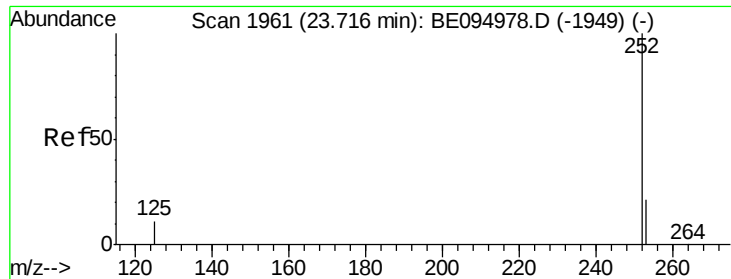
260 24.5 20.5 30.7

265 31.0 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

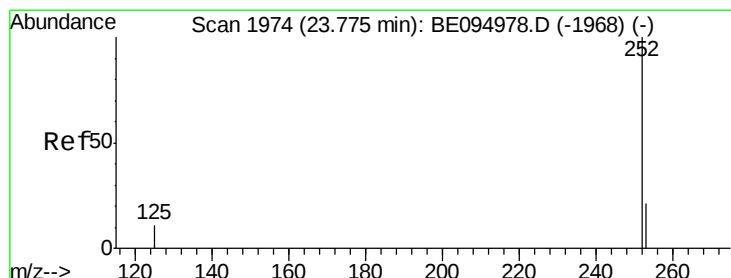
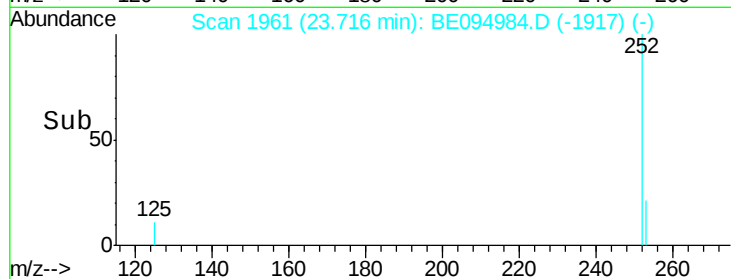
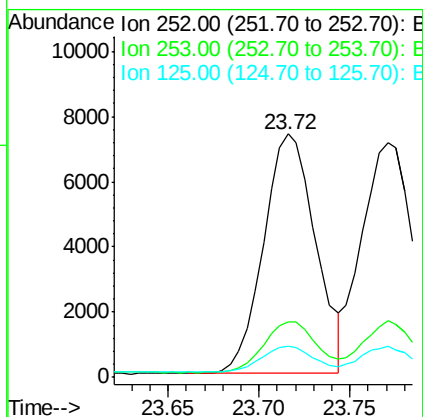
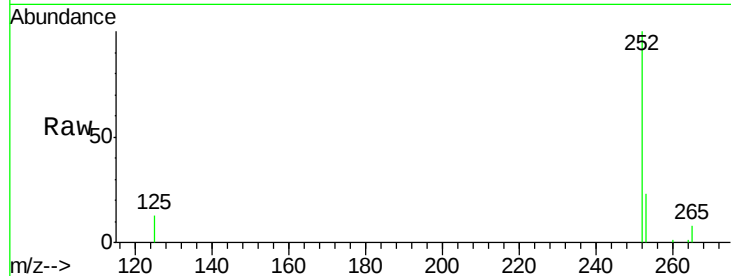




#35
Benzo(b)fluoranthene
Concen: 0.279 ng
RT: 23.72 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BE094984.D
Acq: 14 Dec 2017 19:37

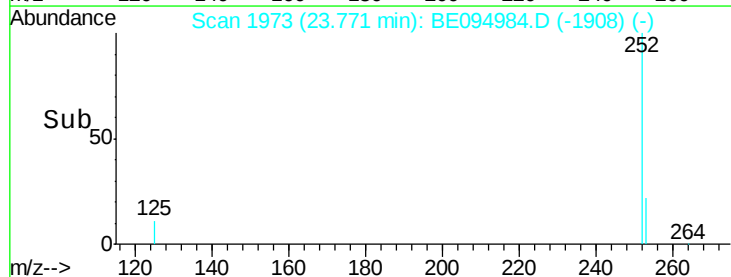
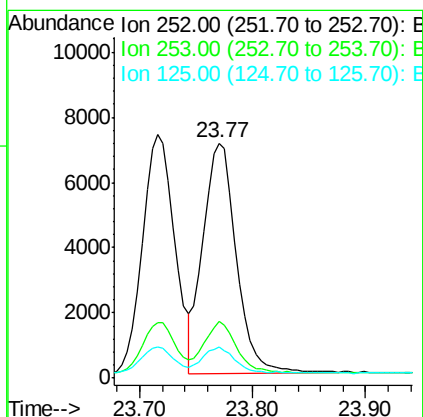
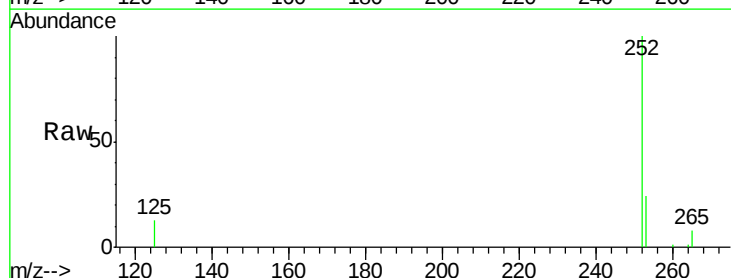
Instrument :
BNA_E
ClientSampleId :
PB104984BSD

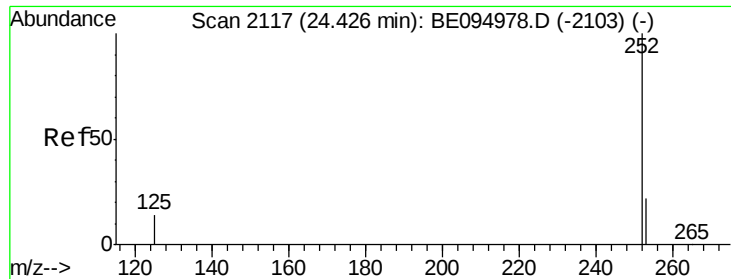
Tgt Ion: 252 Resp: 14646
Ion Ratio Lower Upper
252 100
253 22.6 20.0 30.0
125 12.7 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.272 ng
RT: 23.77 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BE094984.D
Acq: 14 Dec 2017 19:37

Tgt Ion: 252 Resp: 14481
Ion Ratio Lower Upper
252 100
253 24.0 16.0 24.0#
125 13.4 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.274 ng

RT: 24.43 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD

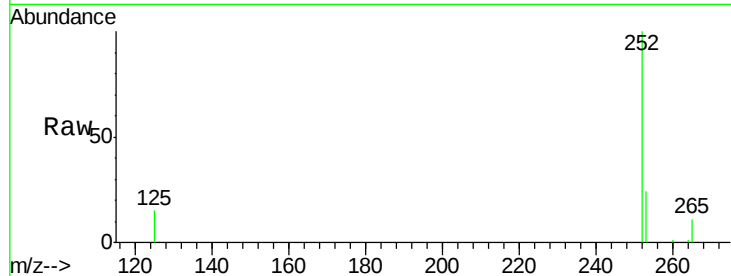
Tgt Ion:252 Resp: 12769

Ion Ratio Lower Upper

252 100

253 24.3 16.0 24.0#

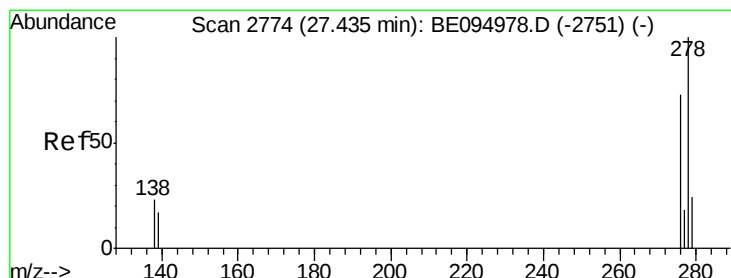
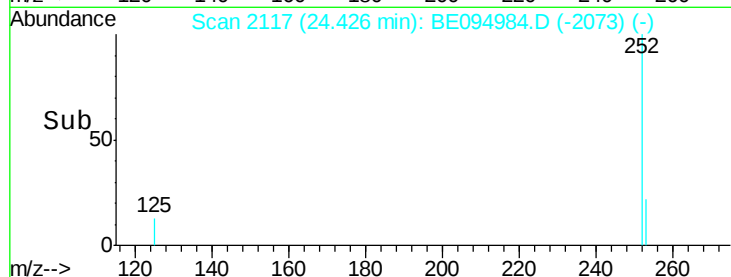
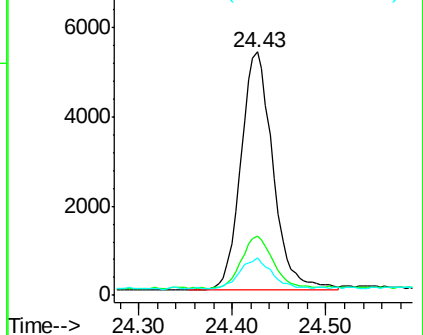
125 15.2 12.0 18.0



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: 0.272 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094984.D

Acq: 14 Dec 2017 19:37

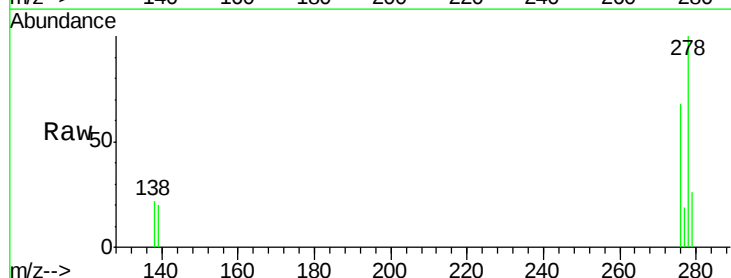
Tgt Ion:278 Resp: 11782

Ion Ratio Lower Upper

278 100

139 20.1 16.0 24.0

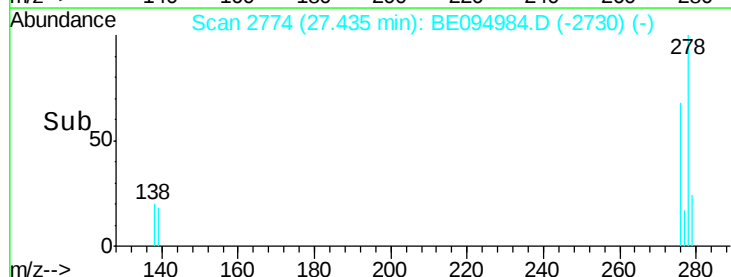
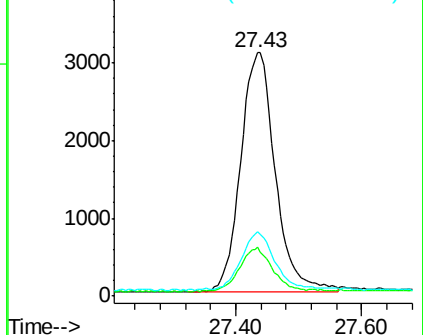
279 26.4 20.0 30.0

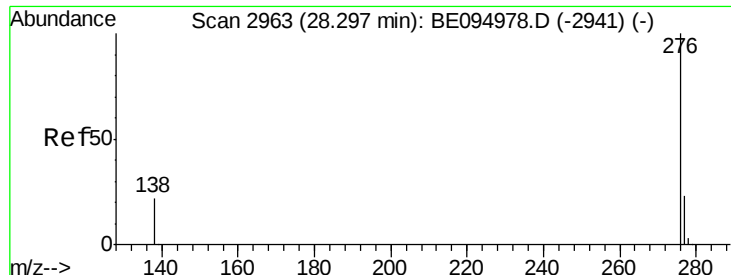


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.297 ng

RT: 28.30 min Scan# 2963

Delta R.T. -0.00 min

Lab File: BE094984.D

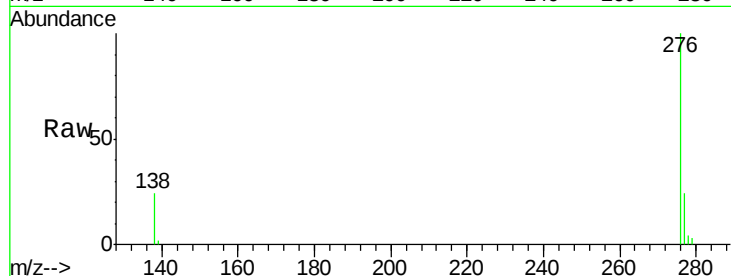
Acq: 14 Dec 2017 19:37

Instrument :

BNA_E

ClientSampleId :

PB104984BSD



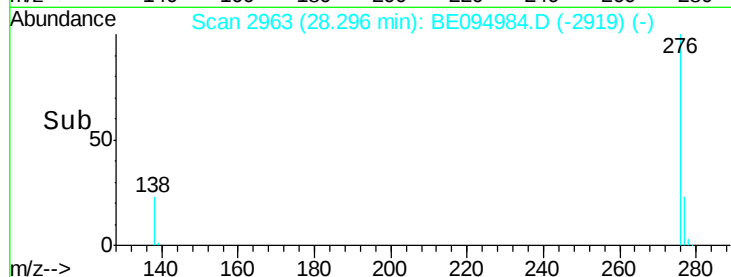
Tgt Ion: 276 Resp: 12781

Ion Ratio Lower Upper

276 100

277 24.5 16.0 24.0#

138 24.1 20.0 30.0



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

