

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121417\
 Data File : BE094983.D
 Acq On : 14 Dec 2017 19:01
 Operator : SJ/JU
 Sample : PB104984BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB104984BS

Quant Time: Dec 15 08:11:02 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	7168	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	14644	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7221	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	16189	0.40	ng	0.00
27) Chrysene-d12	21.87	240	18152	0.40	ng	0.00
34) Perylene-d12	24.55	264	13837	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	2379	0.21	ng	0.00
5) Phenol-d6	7.59	99	3290	0.20	ng	0.00
8) Nitrobenzene-d5	9.65	82	3214	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	5757	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	310	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	8854	0.28	ng	0.00
25) Fluoranthene-d10	19.75	212	50030	0.24	ng	0.00
29) Terphenyl-d14	20.31	244	10076	0.29	ng	0.00

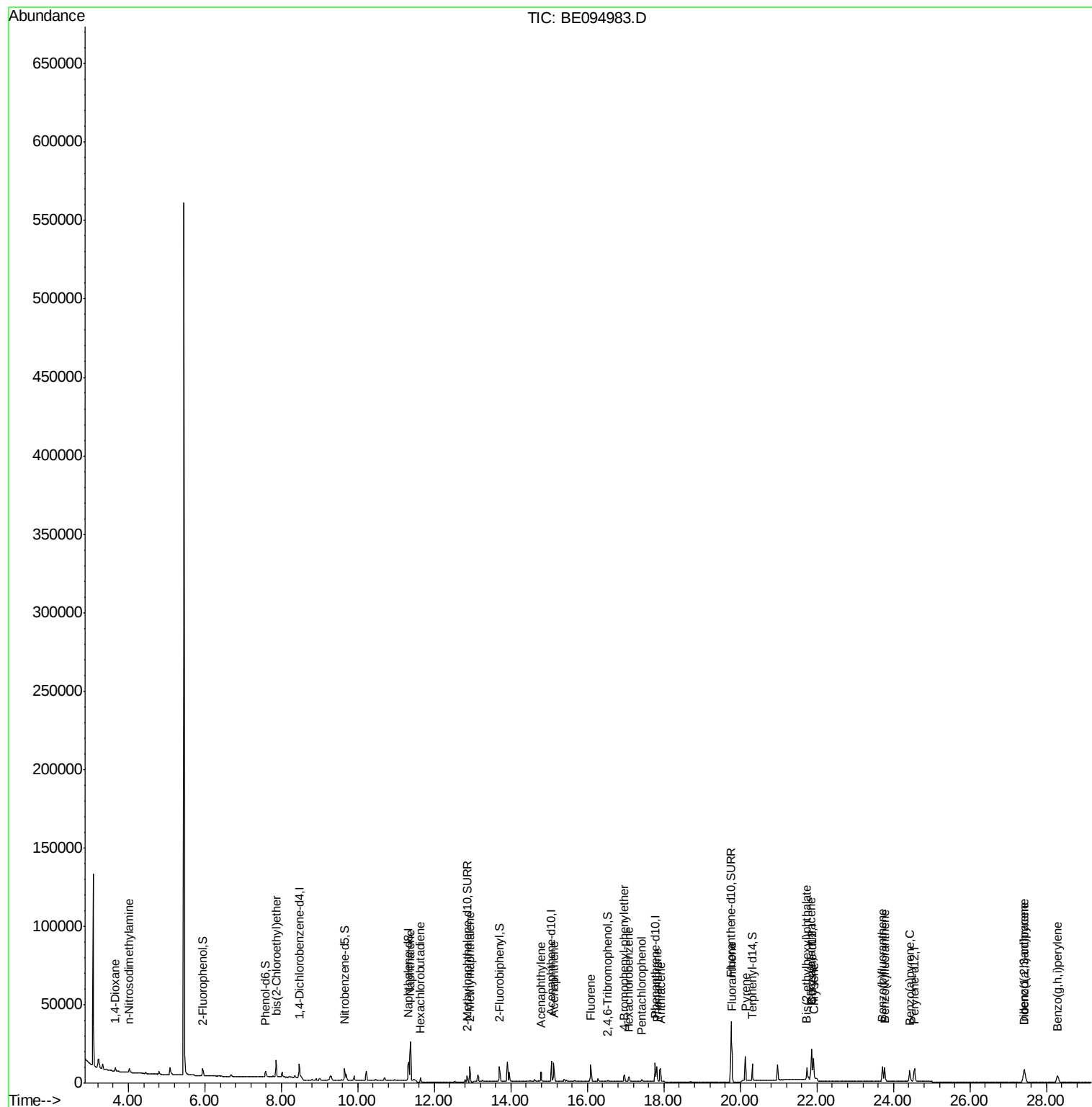
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	1474	0.209	ng	# 56
3) n-Nitrosodimethylamine	4.01	42	2046	0.245	ng	88
6) bis(2-Chloroethyl)ether	7.87	93	3772	0.234	ng	94
9) Naphthalene	11.38	128	43103	0.251	ng	99
10) Hexachlorobutadiene	11.64	225	1934	0.247	ng	97
12) 2-Methylnaphthalene	12.93	142	10338	0.241	ng	96
16) Acenaphthylene	14.79	152	8798	0.228	ng	99
17) Acenaphthene	15.12	154	5839	0.228	ng	93
18) Fluorene	16.08	166	7319	0.230	ng	# 78
20) 4-Bromophenyl-phenylether	16.97	248	2385	0.252	ng	# 73
21) Hexachlorobenzene	17.09	284	2446	0.252	ng	# 80
22) Pentachlorophenol	17.42	266	678	0.362	ng	# 71
23) Phenanthrene	17.82	178	12576	0.249	ng	97
24) Anthracene	17.91	178	13090	0.253	ng	# 90
26) Fluoranthene	19.78	202	15051	0.242	ng	98
28) Pyrene	20.13	202	15230	0.248	ng	99
30) Benzo(a)anthracene	21.85	228	14041	0.265	ng	# 62
31) Chrysene	21.92	228	16803	0.281	ng	# 62
32) Bis(2-ethylhexyl)phthalate	21.73	149	13560	0.201	ng	98
33) Indeno(1,2,3-cd)pyrene	27.41	276	13518	0.278	ng	99
35) Benzo(b)fluoranthene	23.72	252	13897	0.273	ng	# 90
36) Benzo(k)fluoranthene	23.77	252	13287	0.258	ng	# 92
37) Benzo(a)pyrene	24.43	252	12268	0.272	ng	95
38) Dibenzo(a,h)anthracene	27.43	278	11158	0.267	ng	98
39) Benzo(g,h,i)perylene	28.29	276	12048	0.289	ng	# 93

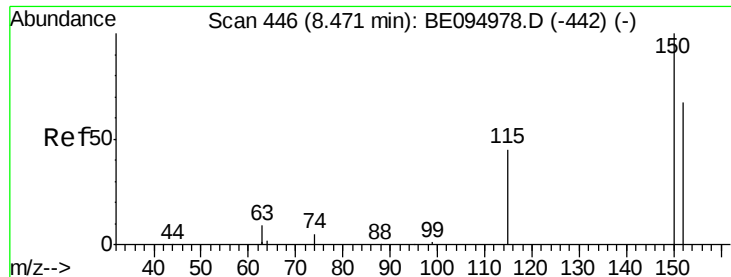
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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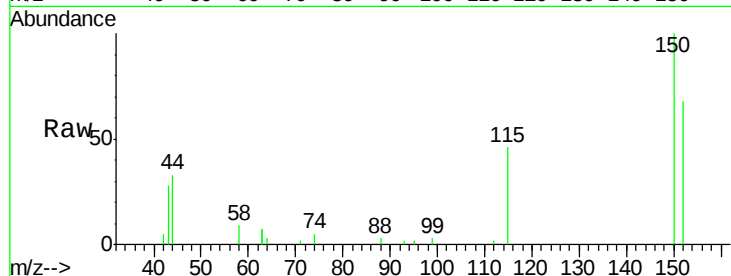


#1

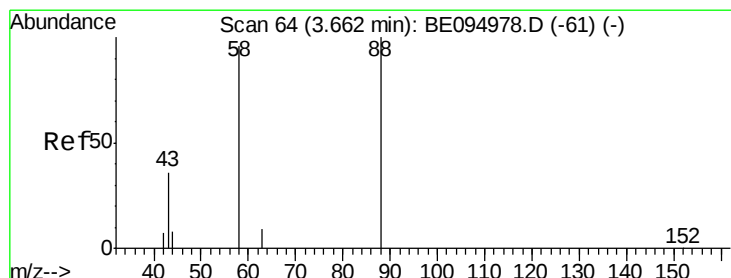
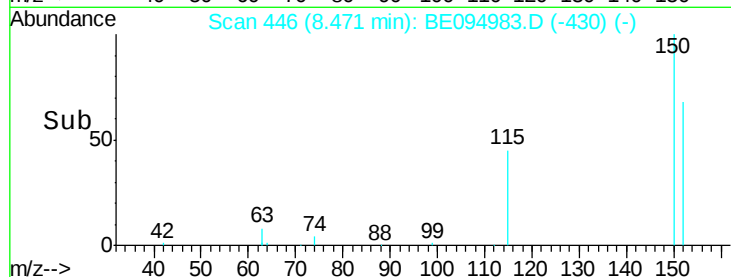
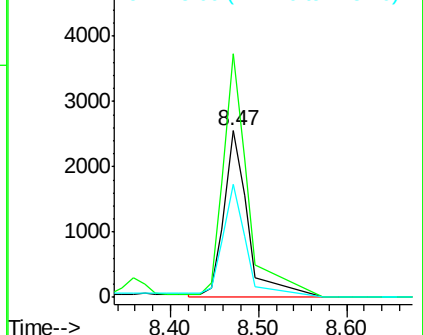
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Instrument :
BNA_E
ClientSampleId :
PB104984BS

Tot Ion:152 Resp: 7168
Ion Ratio Lower Upper
152 100
150 146.2 117.2 175.8
115 67.6 57.0 85.6



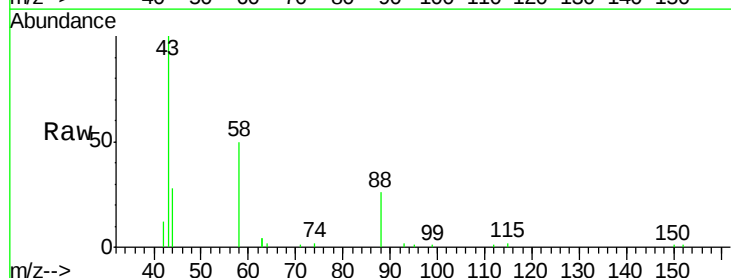
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



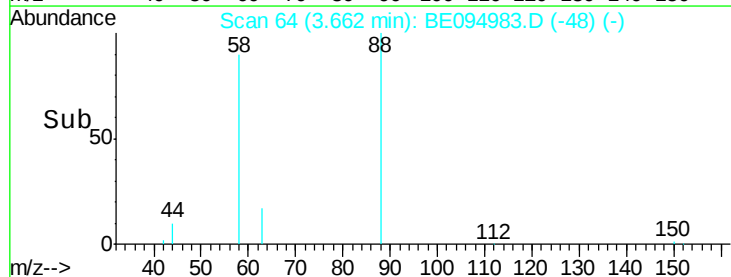
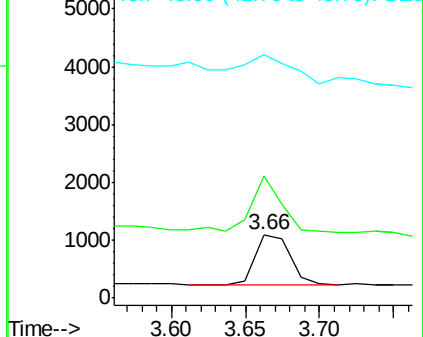
#2

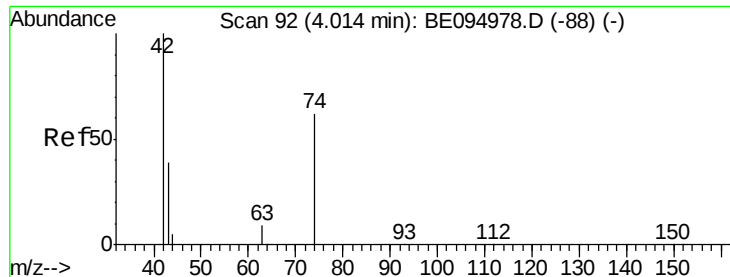
1,4-Dioxane
Concen: 0.209 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion: 88 Resp: 1474
Ion Ratio Lower Upper
88 100
58 93.8 63.2 94.8
43 110.9 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: 0.245 ng

RT: 4.01 min Scan# 92

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

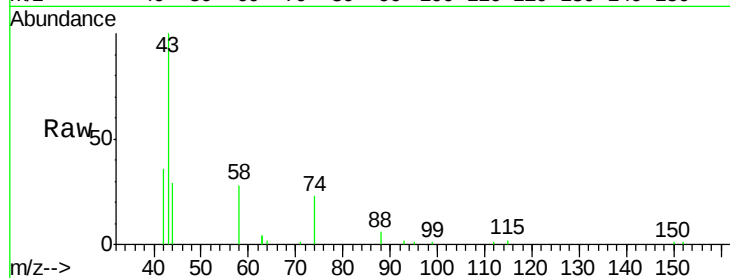
Tot Ion: 42 Resp: 2046

Ion Ratio Lower Upper

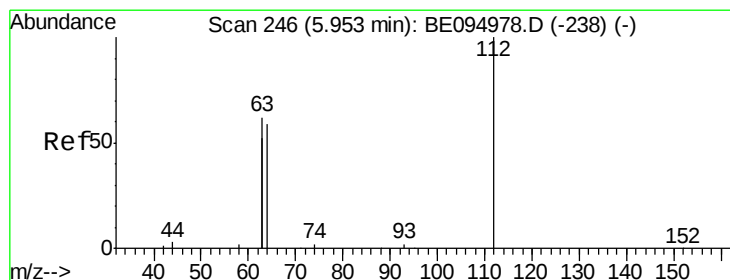
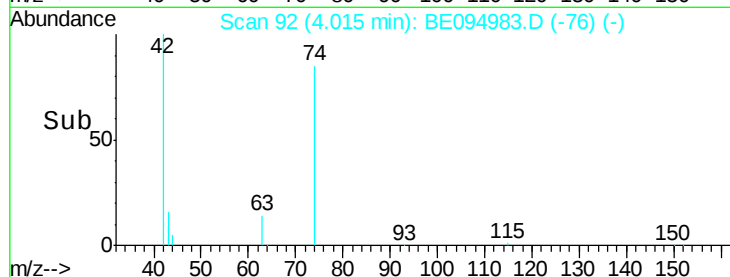
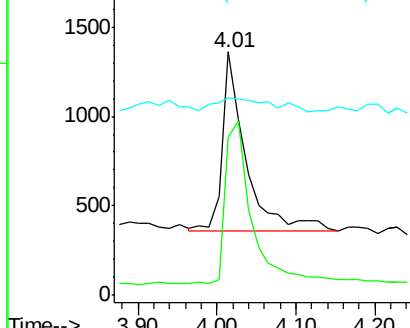
42 100

74 105.3 96.0 144.0

44 17.3 12.0 18.0



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.214 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

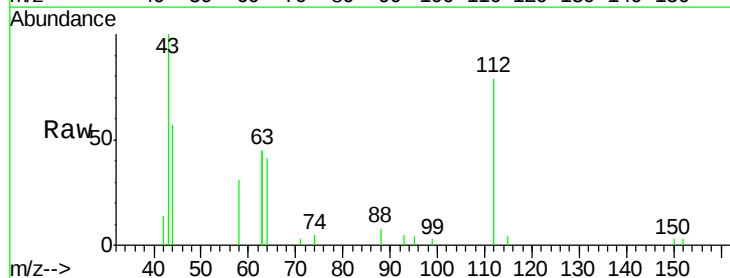
Tgt Ion: 112 Resp: 2379

Ion Ratio Lower Upper

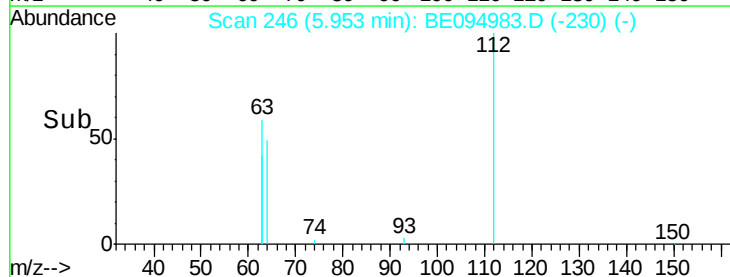
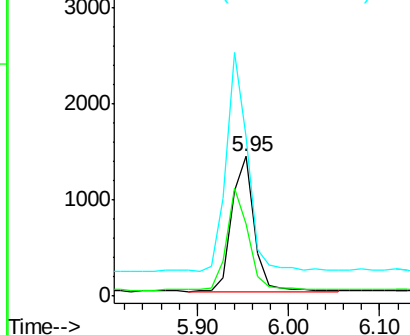
112 100

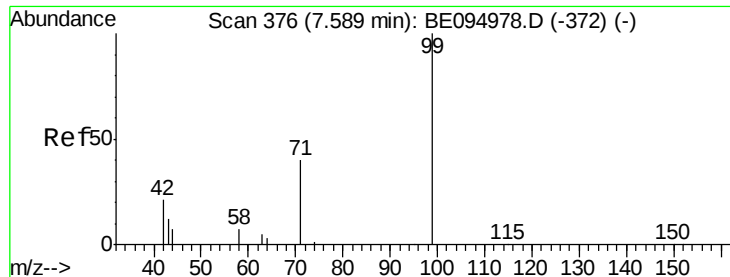
64 75.7 60.1 90.1

63 157.1 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.199 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

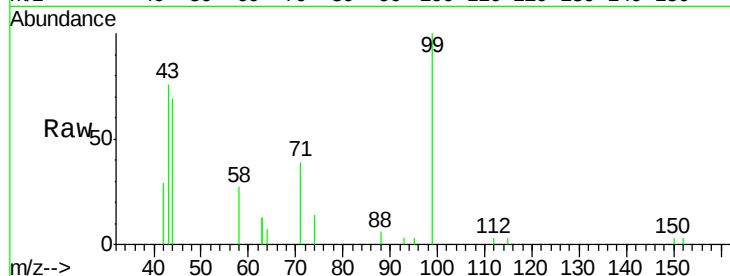
Tot Ion: 99 Resp: 3290

Ion Ratio Lower Upper

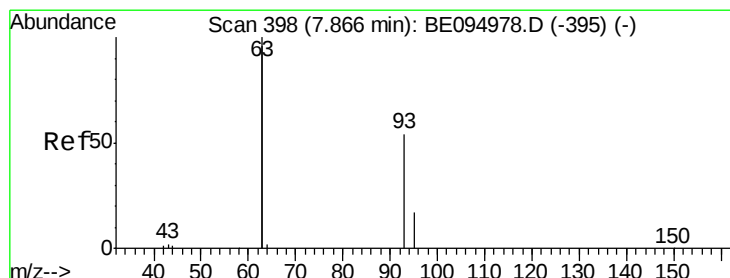
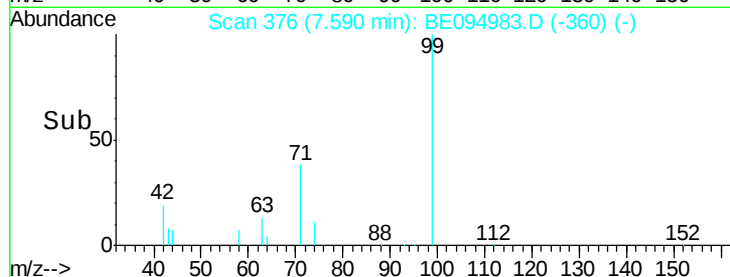
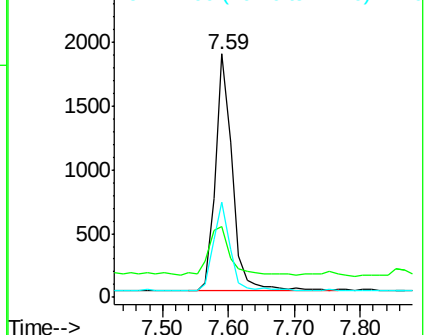
99 100

42 27.6 20.2 30.2

71 37.4 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: 0.234 ng

RT: 7.87 min Scan# 398

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

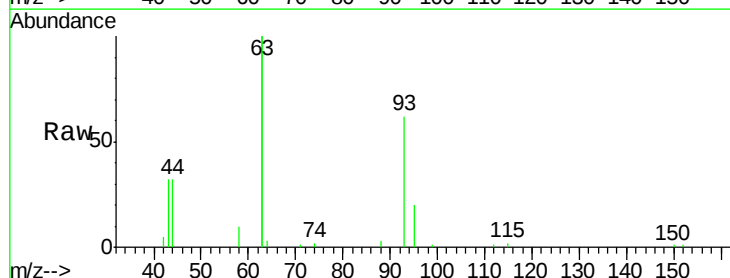
Tgt Ion: 93 Resp: 3772

Ion Ratio Lower Upper

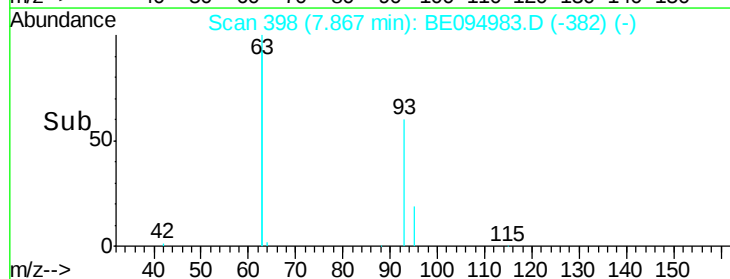
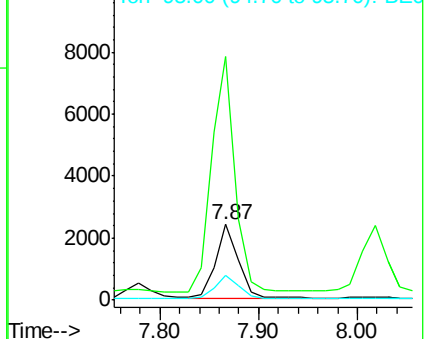
93 100

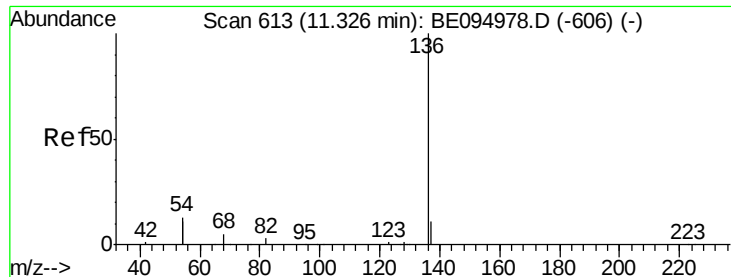
63 331.6 275.3 412.9

95 33.1 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: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

Tot Ion:136 Resp: 14644

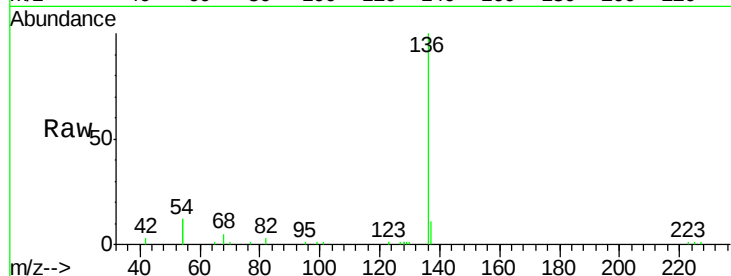
Ion Ratio Lower Upper

136 100

137 10.8 9.5 14.3

54 23.9 29.1 43.7#

68 5.0 6.2 9.2#

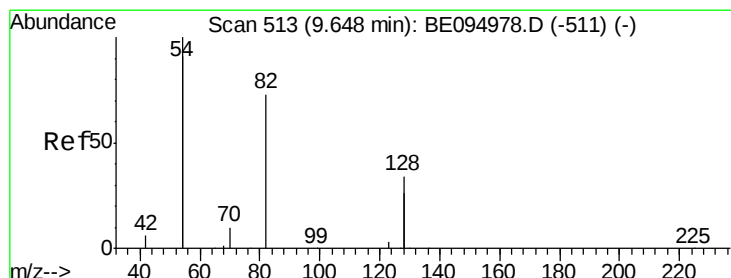
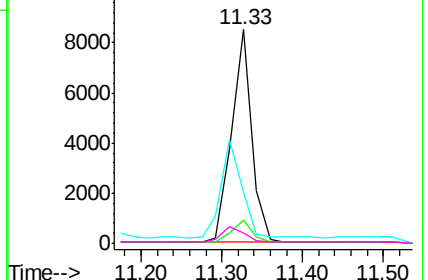
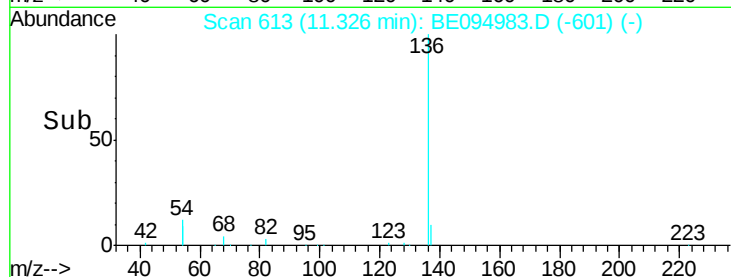


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.267 ng

RT: 9.65 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

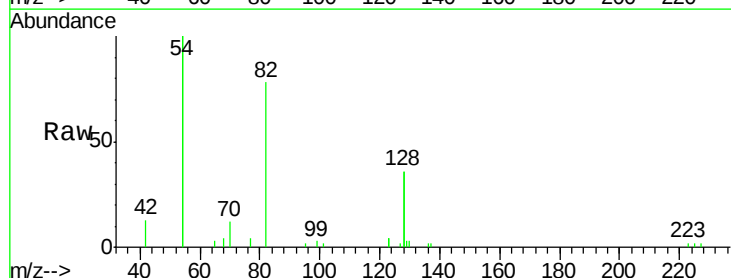
Tgt Ion: 82 Resp: 3214

Ion Ratio Lower Upper

82 100

128 93.2 150.0 225.0#

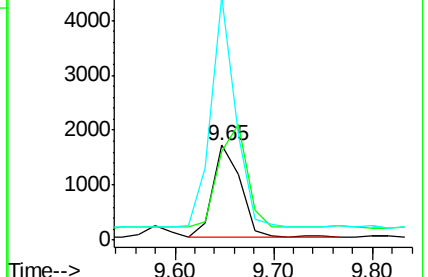
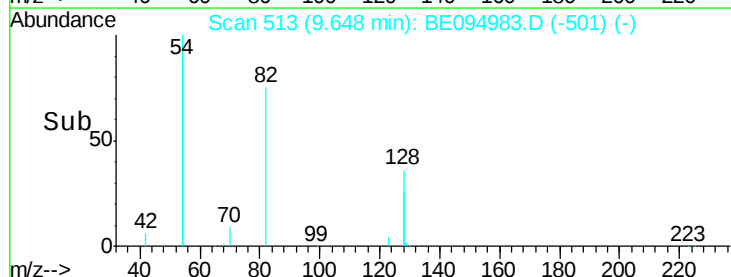
54 256.1 154.2 231.4#

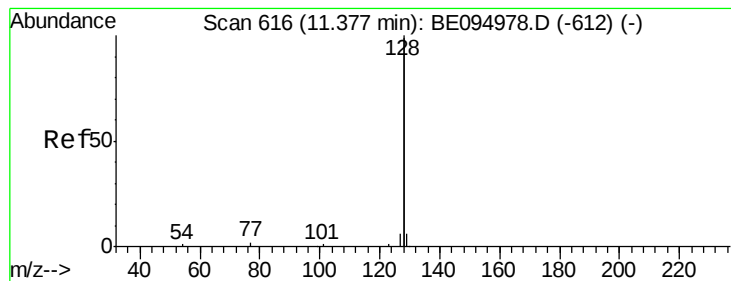


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

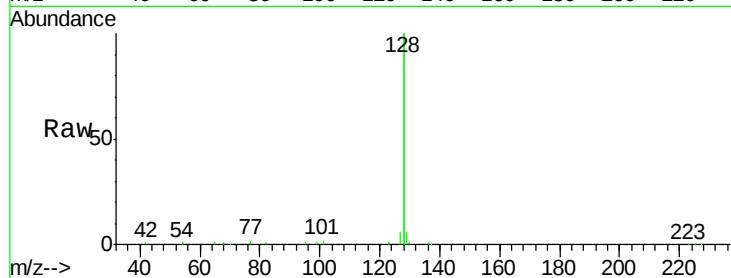
Tot Ion:128 Resp: 43103

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

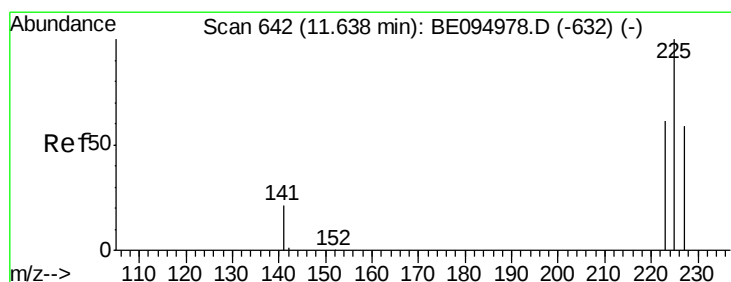
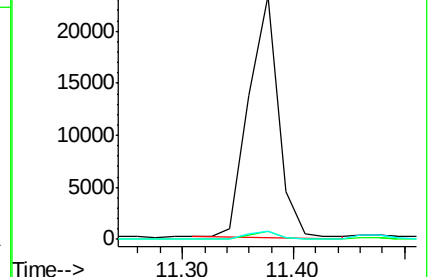
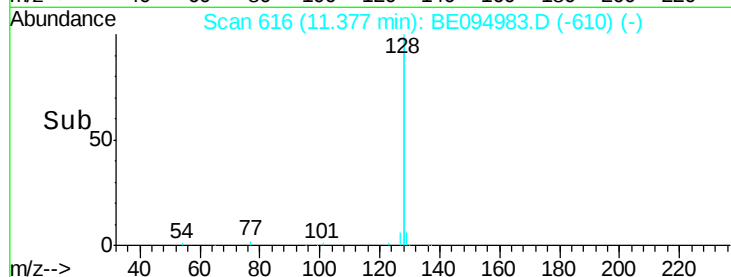
127 3.2 2.8 4.2



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: 0.247 ng

RT: 11.64 min Scan# 642

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

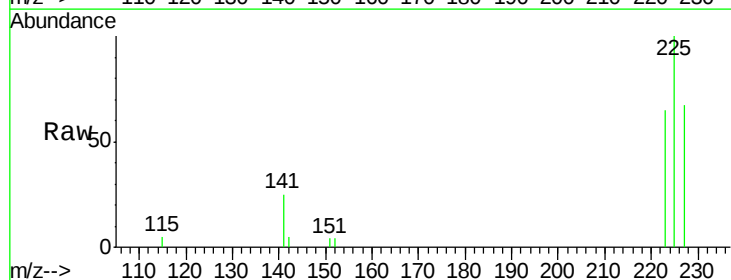
Tgt Ion:225 Resp: 1934

Ion Ratio Lower Upper

225 100

223 62.3 53.0 79.6

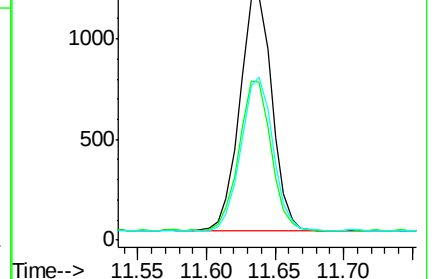
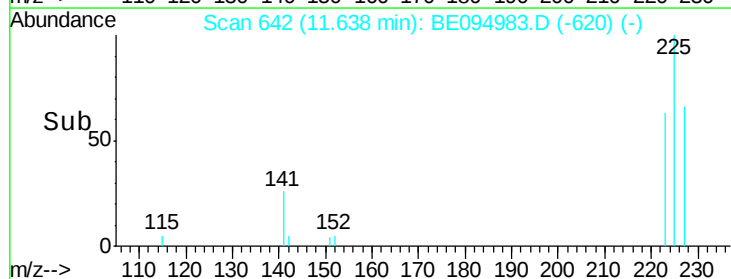
227 64.2 51.4 77.2

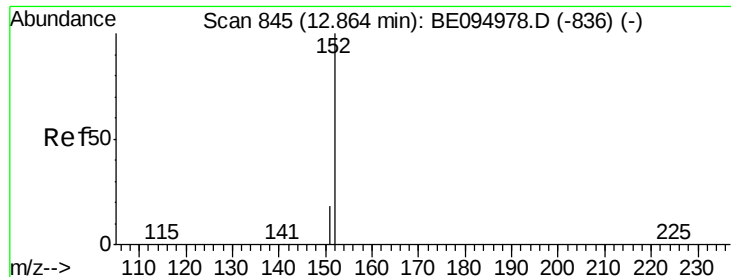


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.240 ng

RT: 12.86 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

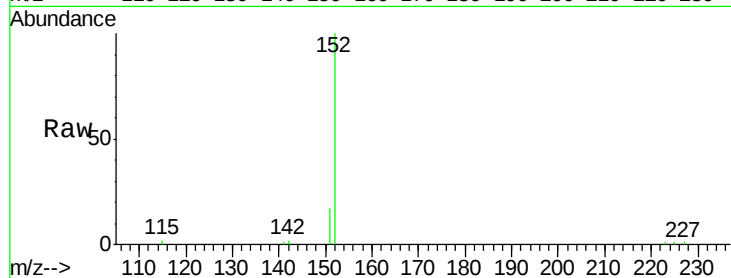
PB104984BS

Tot Ion:152 Resp: 5757

Ion Ratio Lower Upper

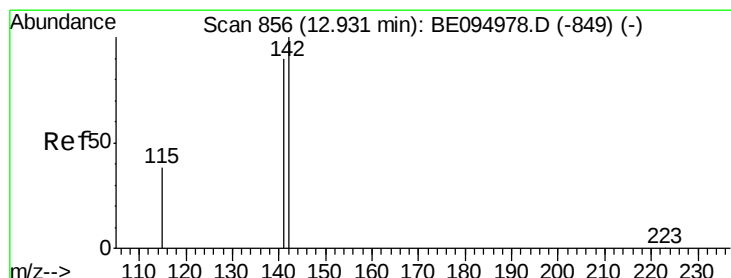
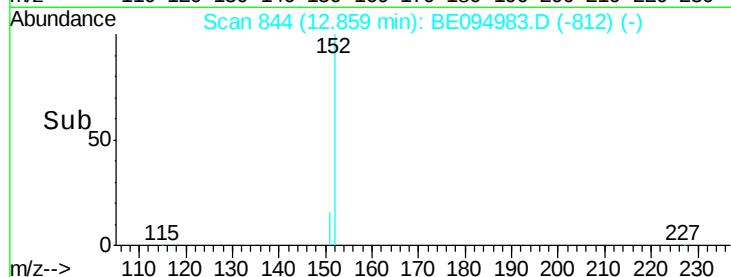
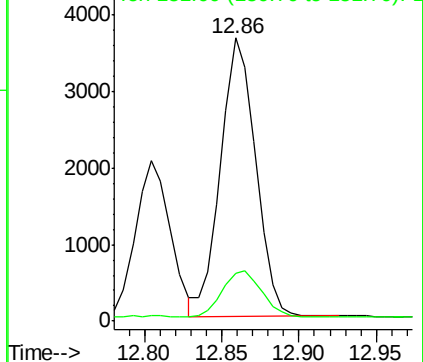
152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.241 ng

RT: 12.93 min Scan# 856

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

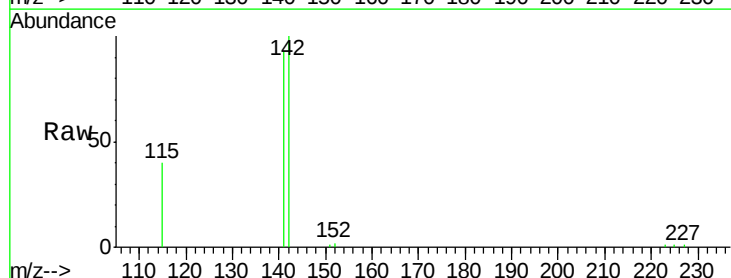
Tgt Ion:142 Resp: 10338

Ion Ratio Lower Upper

142 100

141 93.0 70.4 105.6

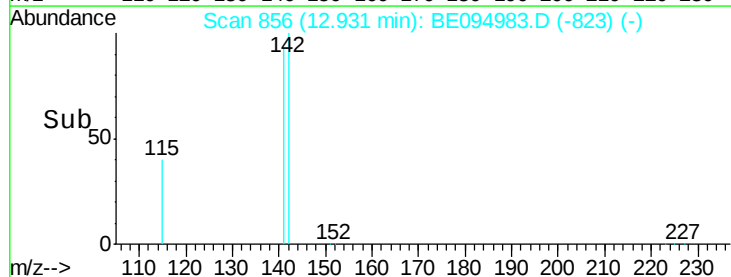
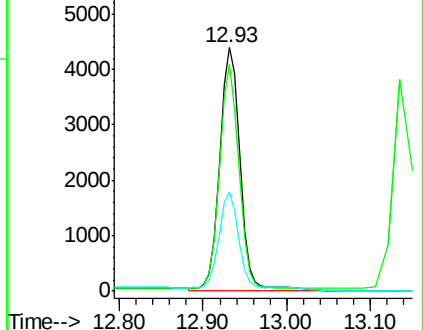
115 40.5 31.7 47.5

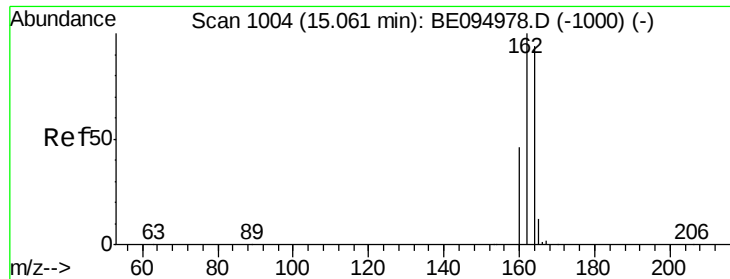


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

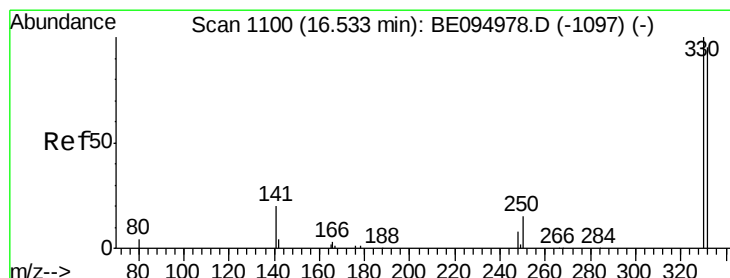
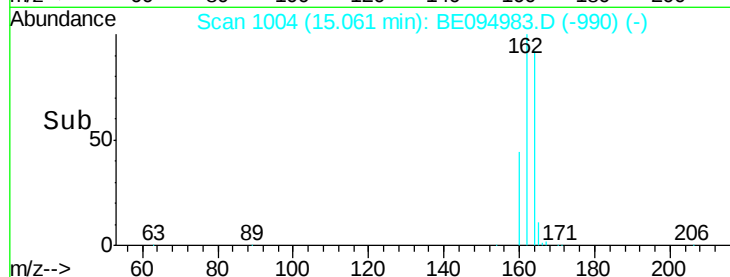
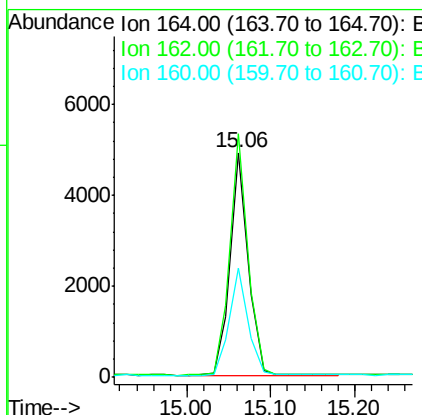
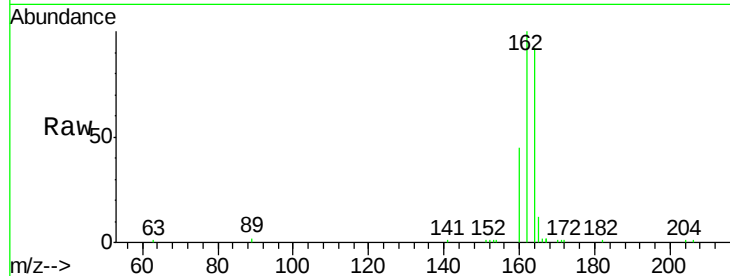




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

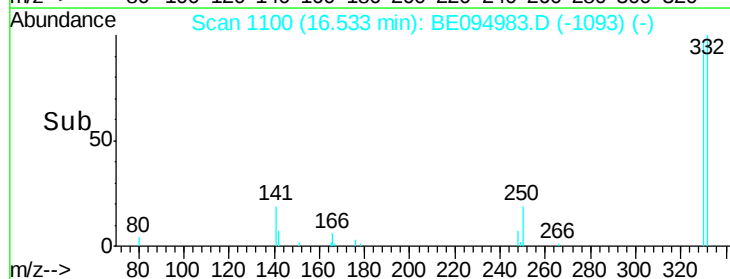
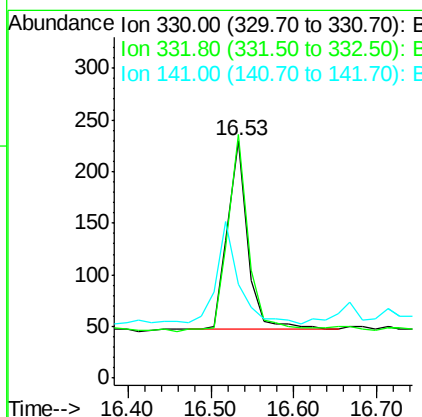
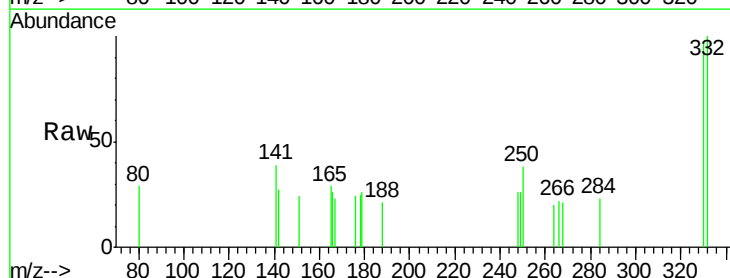
Instrument :
BNA_E
ClientSampleId :
PB104984BS

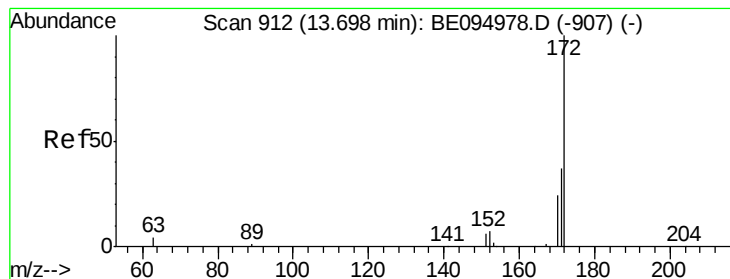
Tot Ion:164 Resp: 7221
Ion Ratio Lower Upper
164 100
162 108.2 83.1 124.7
160 48.3 37.1 55.7



#14
2,4,6-Tribromophenol
Concen: 0.185 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:330 Resp: 310
Ion Ratio Lower Upper
330 100
332 108.7 152.7 229.1#
141 58.1 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.277 ng

RT: 13.70 min Scan# 912

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

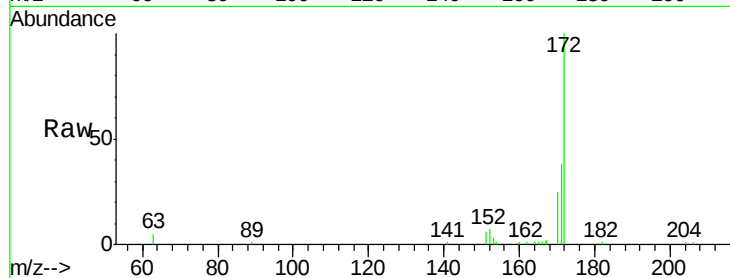
Tot Ion:172 Resp: 8854

Ion Ratio Lower Upper

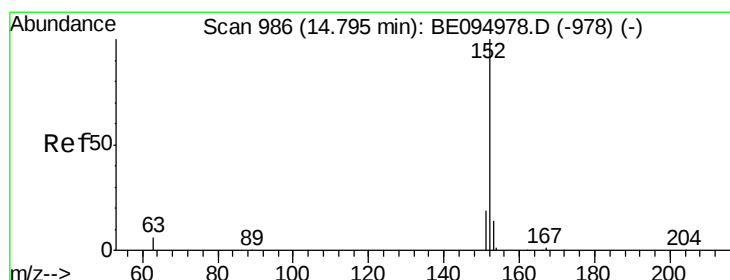
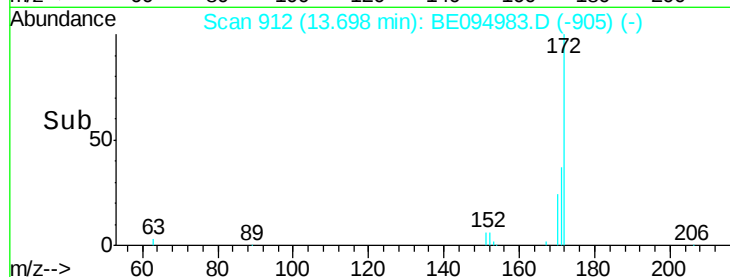
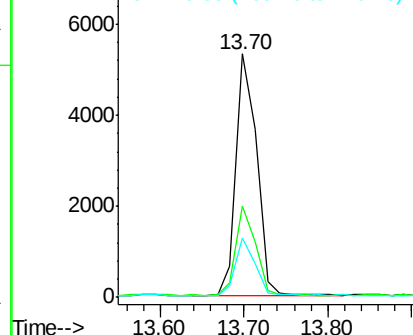
172 100

171 37.7 29.9 44.9

170 24.6 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: 0.228 ng

RT: 14.79 min Scan# 986

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

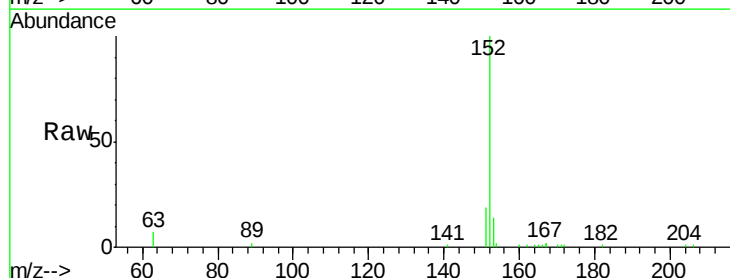
Tgt Ion:152 Resp: 8798

Ion Ratio Lower Upper

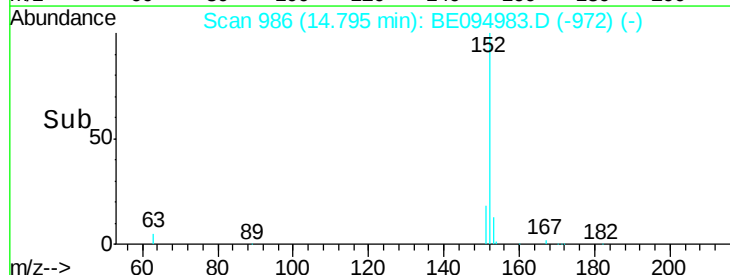
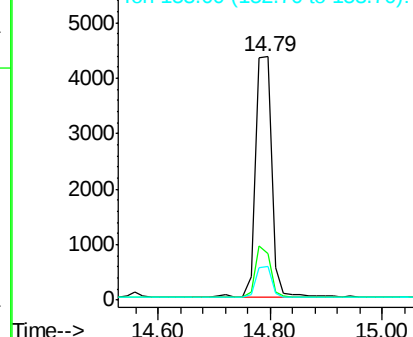
152 100

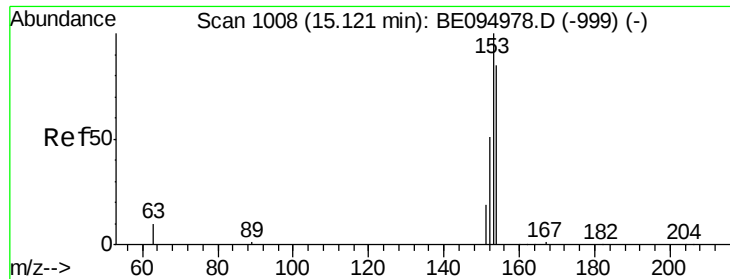
151 20.5 15.7 23.5

153 12.8 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: 0.228 ng

RT: 15.12 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

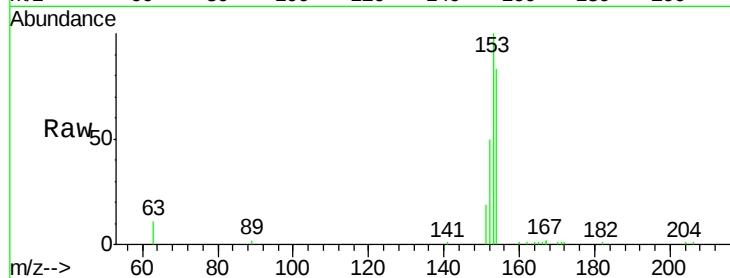
Tot Ion:154 Resp: 5839

Ion Ratio Lower Upper

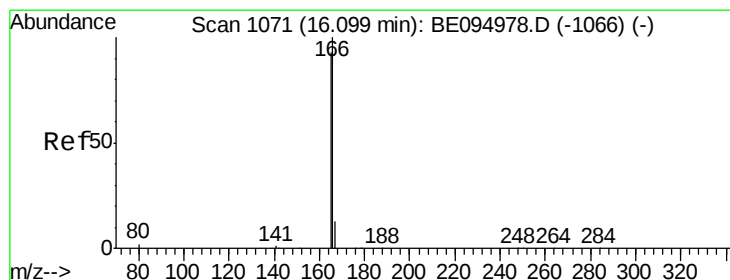
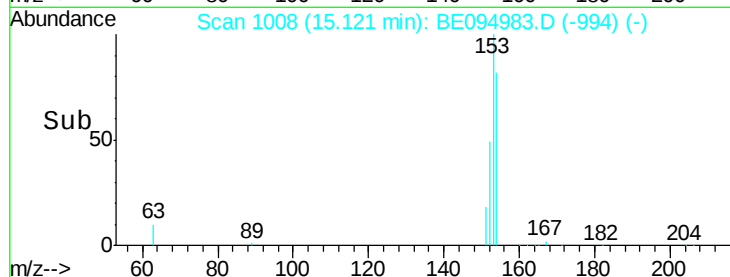
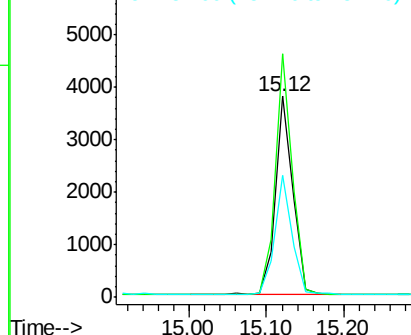
154 100

153 117.6 89.2 133.8

152 60.2 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: 0.230 ng

RT: 16.08 min Scan# 1070

Delta R.T. -0.01 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

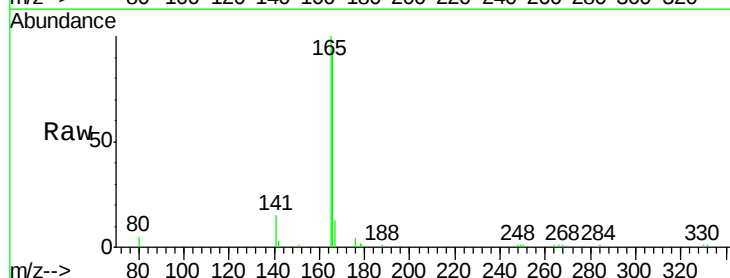
Tgt Ion:166 Resp: 7319

Ion Ratio Lower Upper

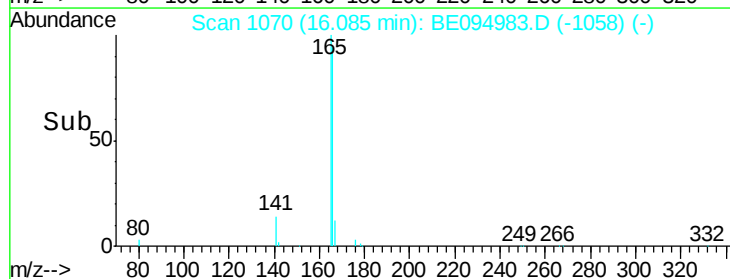
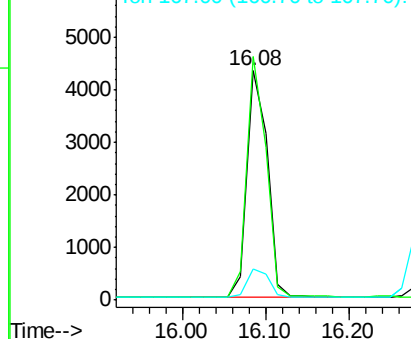
166 100

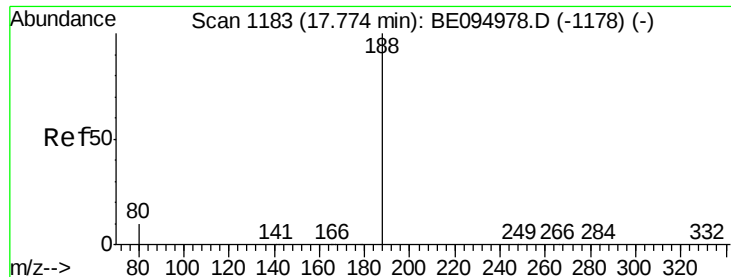
165 100.4 77.8 116.6

167 13.9 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: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

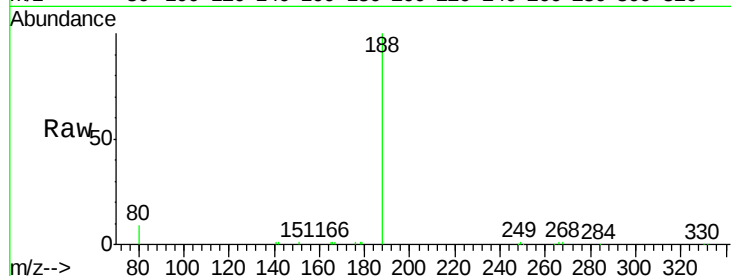
Tot Ion:188 Resp: 16189

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

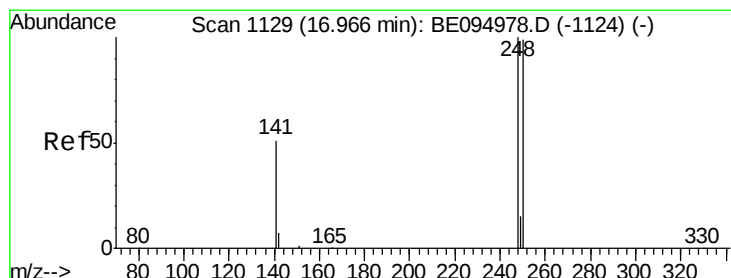
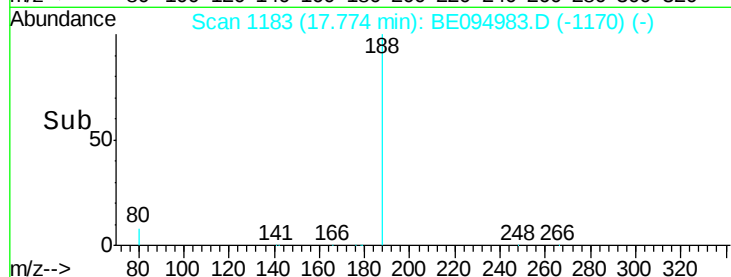
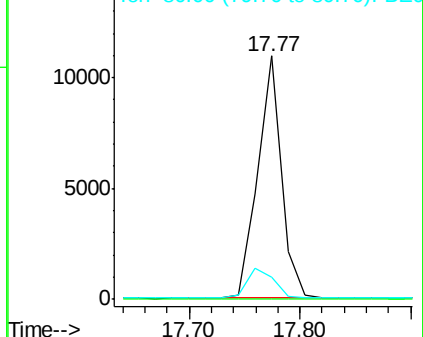
80 8.9 3.6 5.4#



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: 0.252 ng

RT: 16.97 min Scan# 1129

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

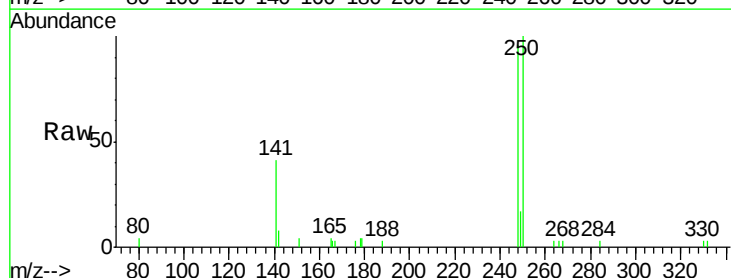
Tgt Ion:248 Resp: 2385

Ion Ratio Lower Upper

248 100

250 103.7 62.7 94.1#

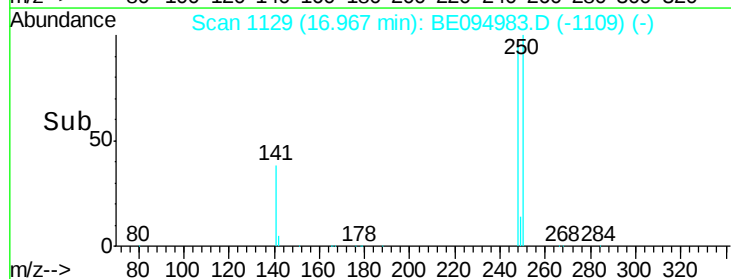
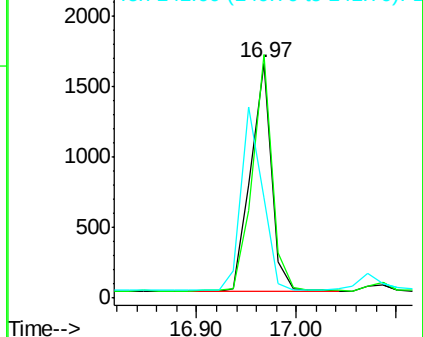
141 42.5 48.2 72.2#

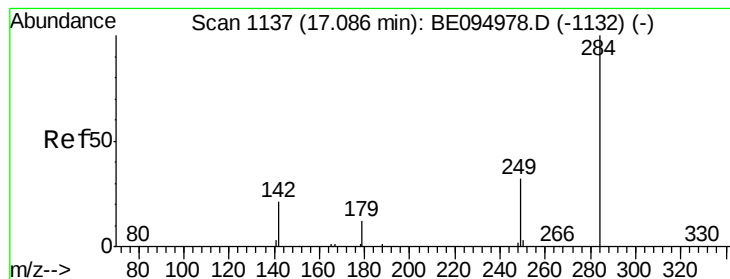


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.252 ng

RT: 17.09 min Scan# 1137

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

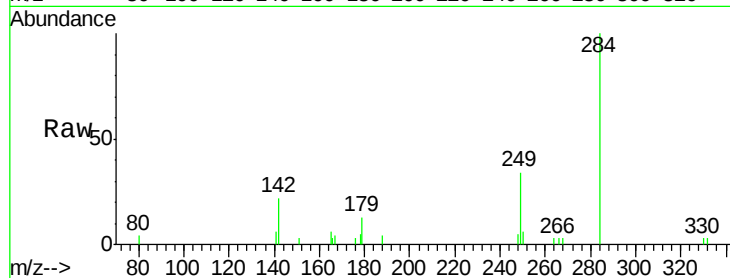
Tot Ion:284 Resp: 2446

Ion Ratio Lower Upper

284 100

142 42.6 22.1 33.1#

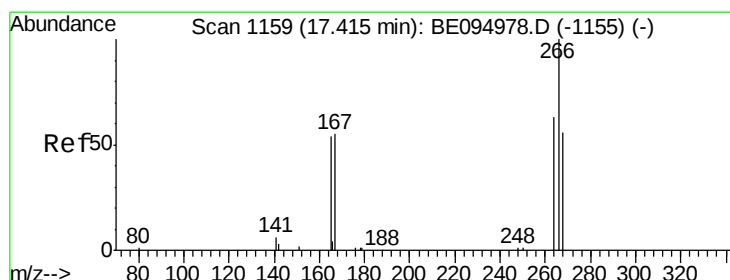
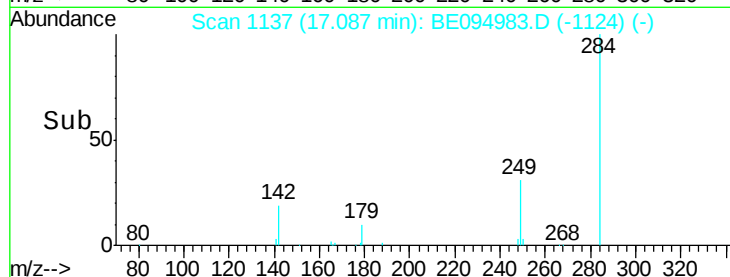
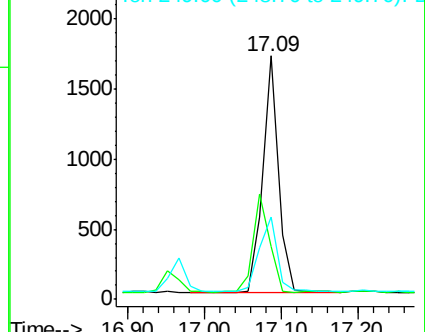
249 34.7 34.8 52.2#



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: 0.362 ng

RT: 17.42 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

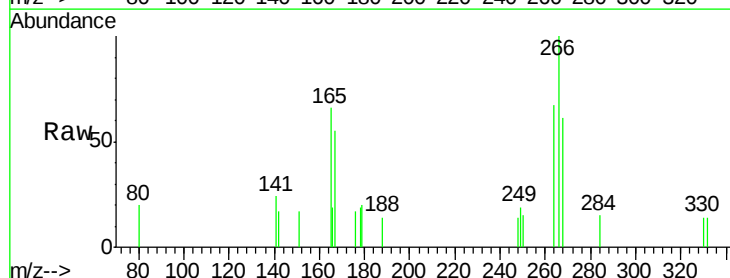
Tgt Ion:266 Resp: 678

Ion Ratio Lower Upper

266 100

264 67.0 72.5 108.7#

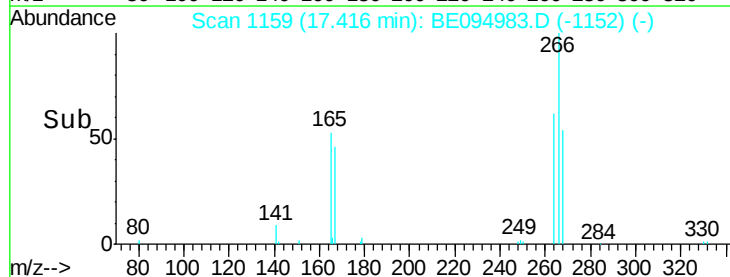
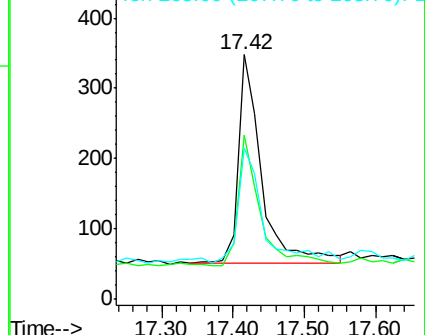
268 61.5 73.8 110.6#

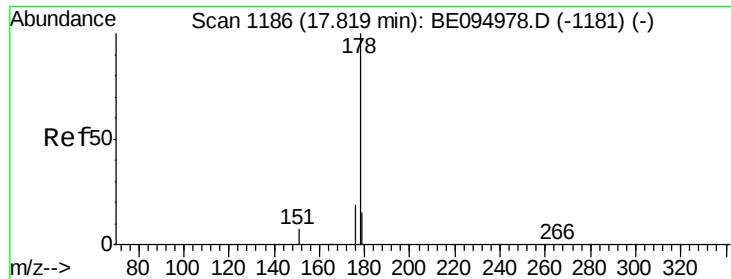


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.249 ng

RT: 17.82 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

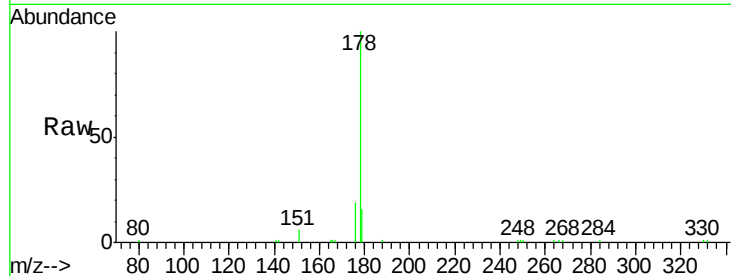
Tot Ion:178 Resp: 12576

Ion Ratio Lower Upper

178 100

176 20.5 15.1 22.7

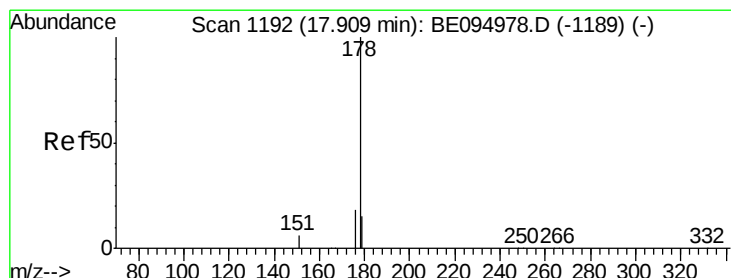
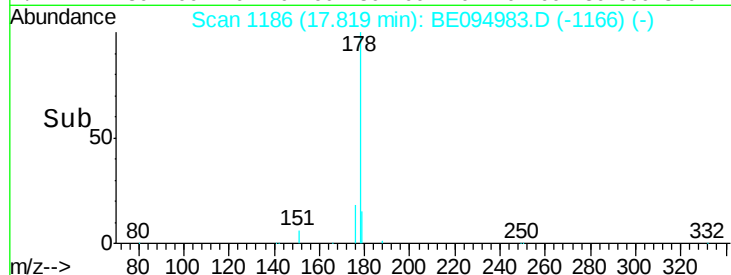
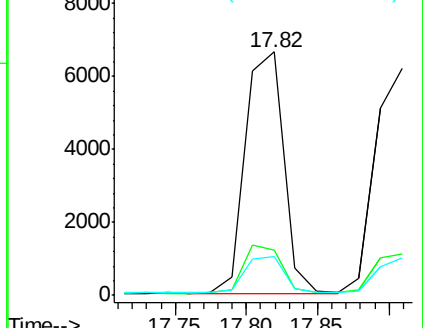
179 16.1 11.8 17.6



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: BE094983.D

Acq: 14 Dec 2017 19:01

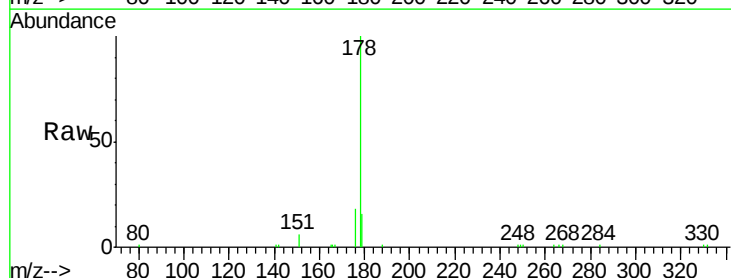
Tgt Ion:178 Resp: 13090

Ion Ratio Lower Upper

178 100

176 21.6 12.8 19.2#

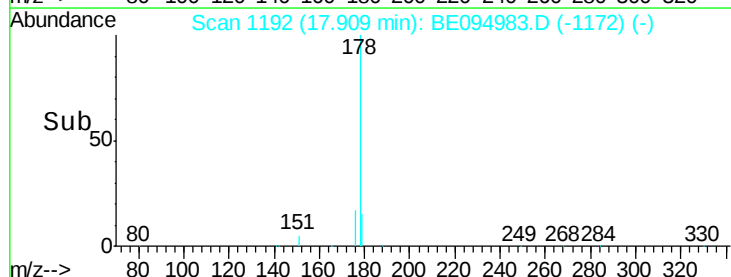
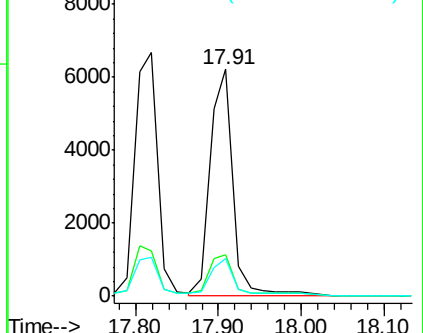
179 19.1 13.0 19.6

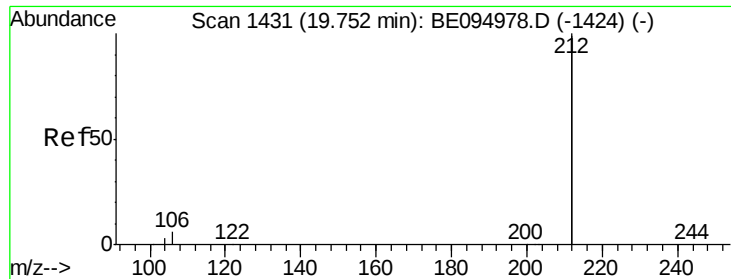


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.238 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

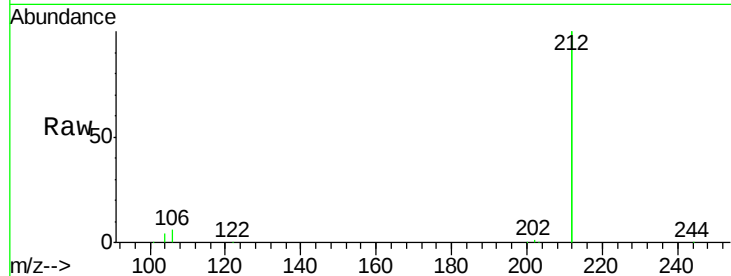
Tot Ion:212 Resp: 50030

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

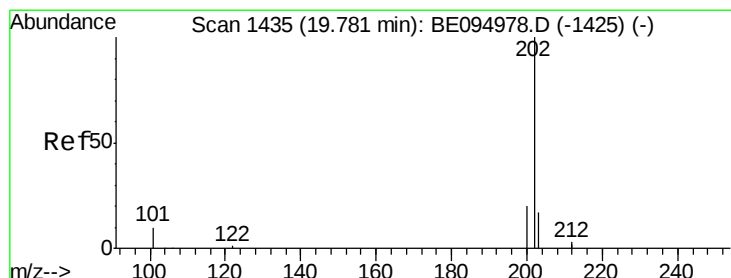
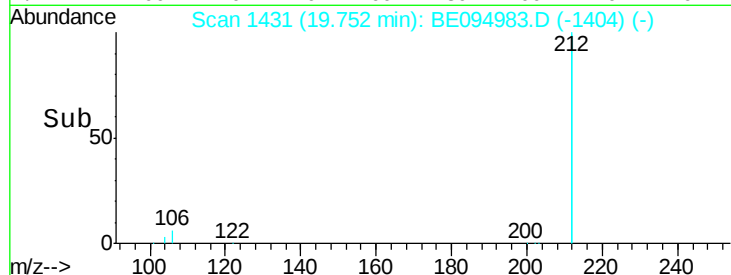
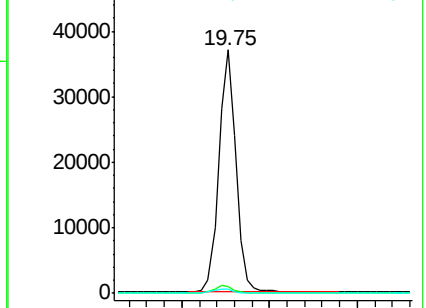
104 1.8 1.6 2.4



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: 0.242 ng

RT: 19.78 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

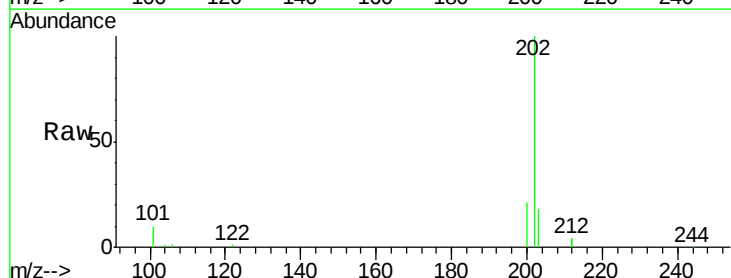
Tgt Ion:202 Resp: 15051

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

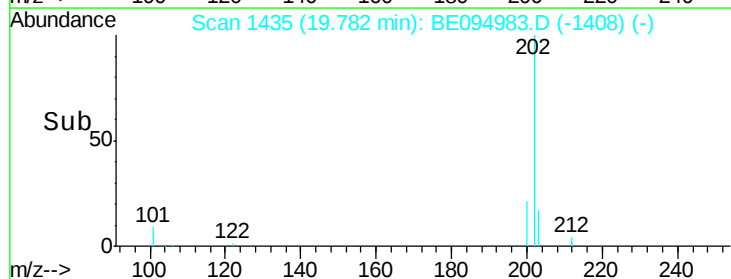
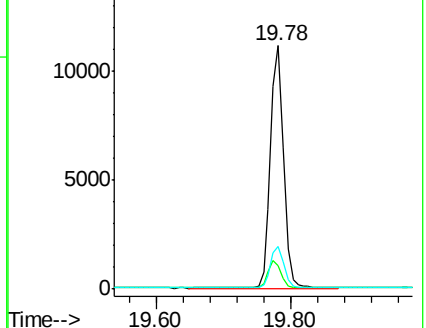
203 17.8 13.7 20.5

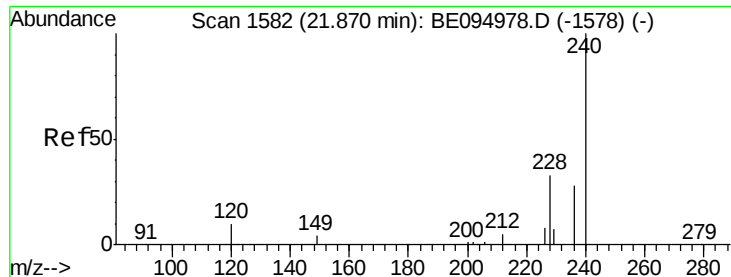


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

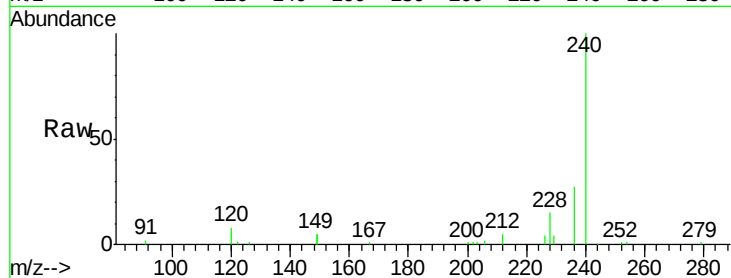
Tot Ion:240 Resp: 18152

Ion Ratio Lower Upper

240 100

120 8.1 5.5 8.3

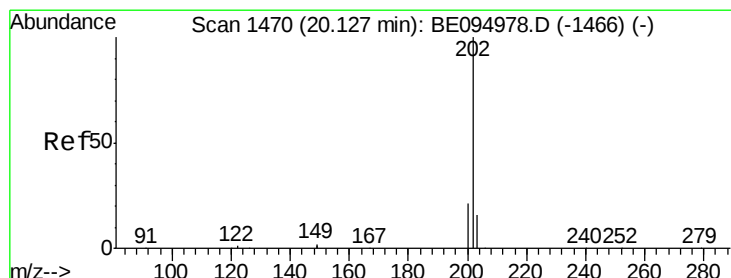
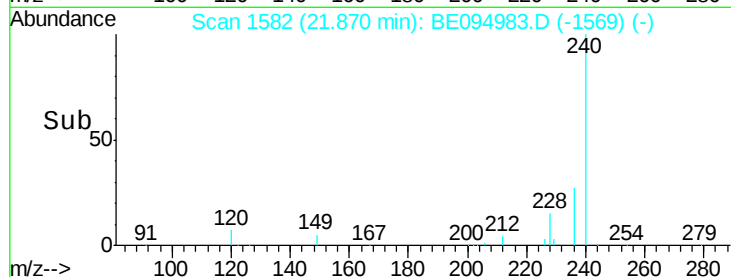
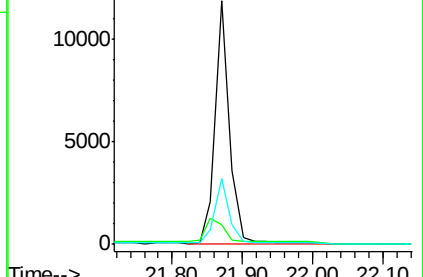
236 27.2 20.7 31.1



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: 0.248 ng

RT: 20.13 min Scan# 1470

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

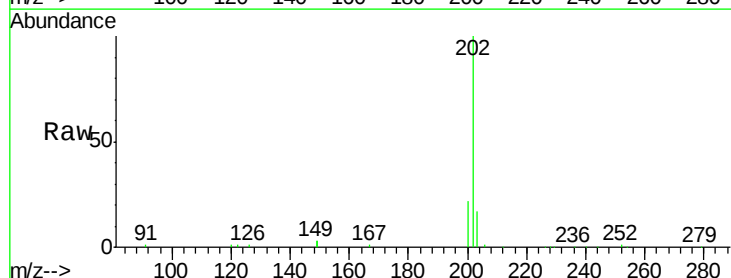
Tgt Ion:202 Resp: 15230

Ion Ratio Lower Upper

202 100

200 21.4 16.6 25.0

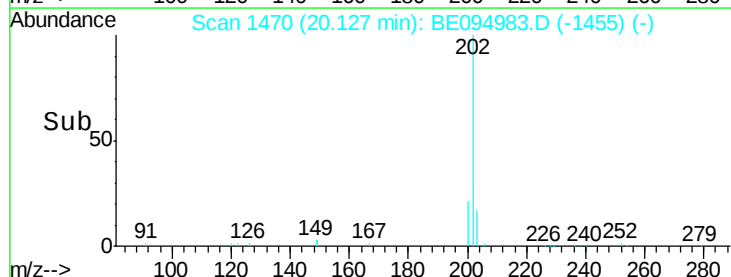
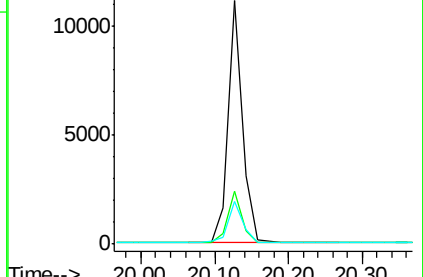
203 17.7 13.8 20.8

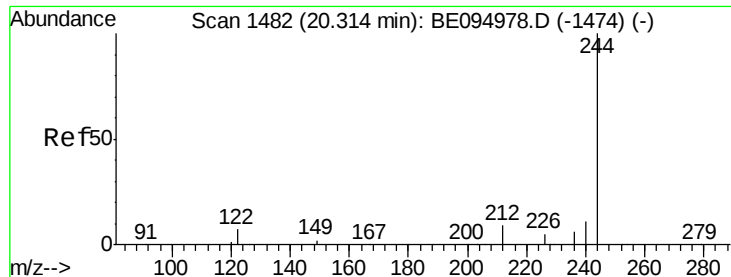


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.295 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

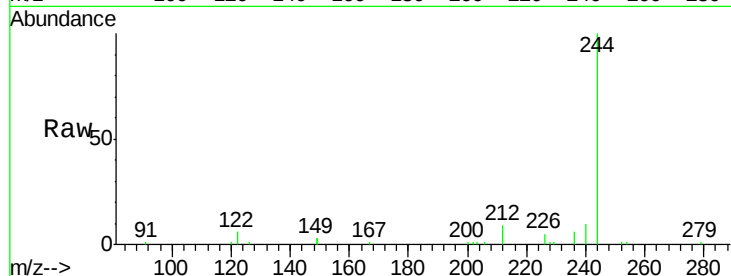
Tot Ion:244 Resp: 10076

Ion Ratio Lower Upper

244 100

212 8.6 25.4 38.0#

122 6.3 8.1 12.1#

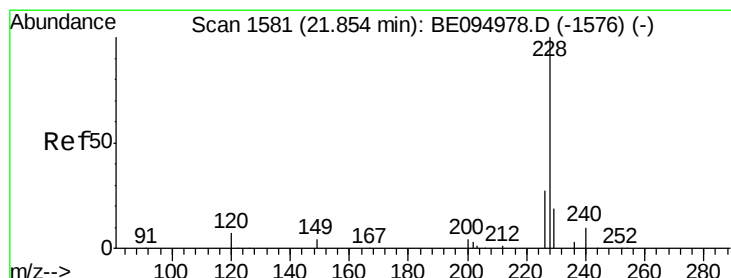
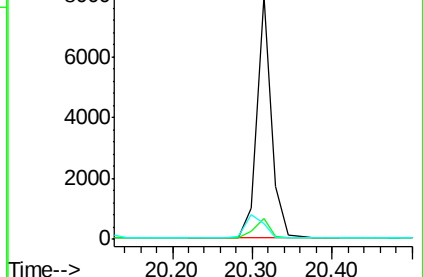
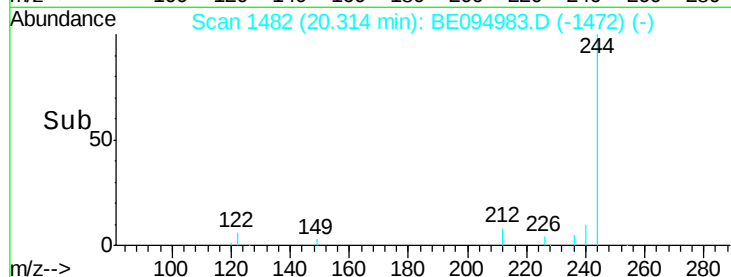


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#30

Benzo(a)anthracene

Concen: 0.265 ng

RT: 21.85 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

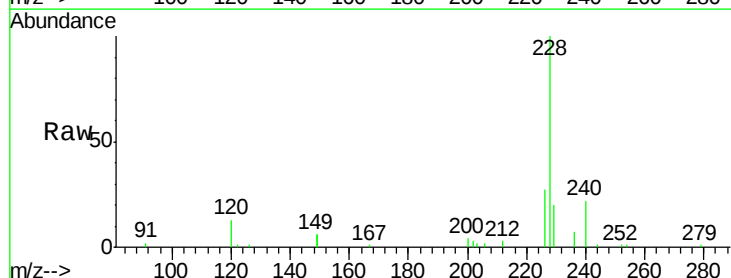
Tgt Ion:228 Resp: 14041

Ion Ratio Lower Upper

228 100

226 27.1 40.0 60.0#

229 20.3 40.0 60.0#

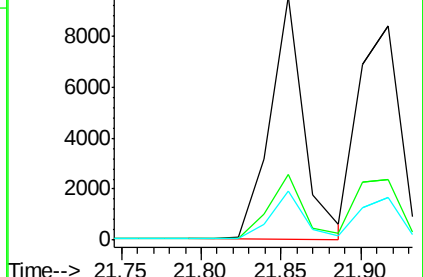
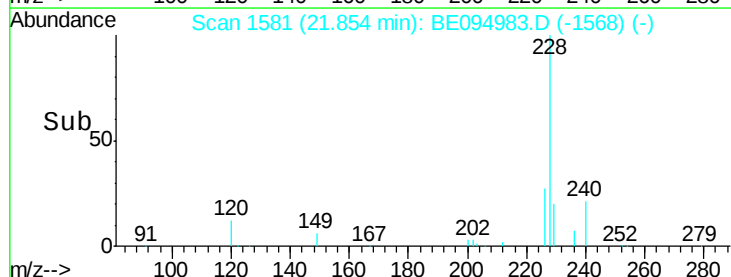


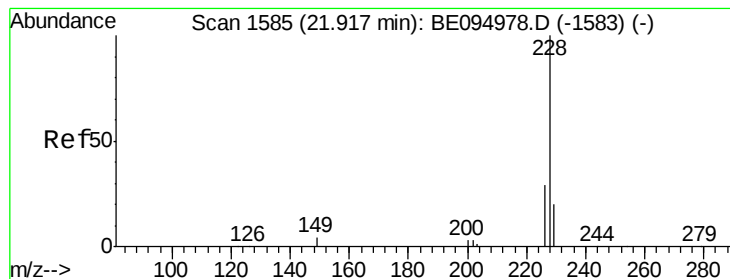
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->





#31

Chrysene

Concen: 0.281 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

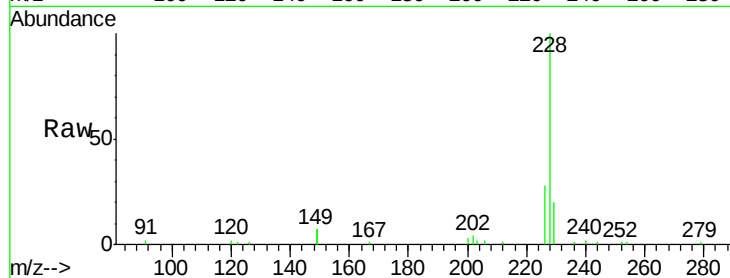
Tot Ion:228 Resp: 16803

Ion Ratio Lower Upper

228 100

226 28.1 40.0 60.0#

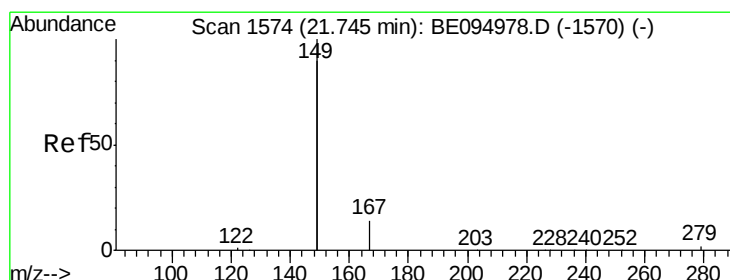
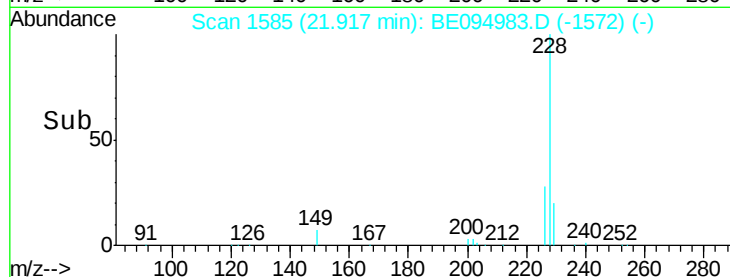
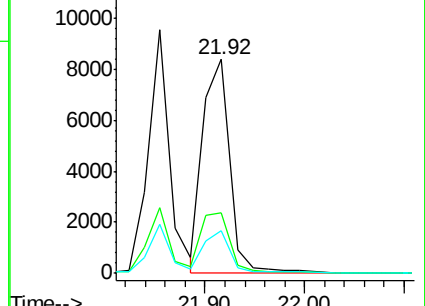
229 20.2 40.0 60.0#



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: 0.201 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

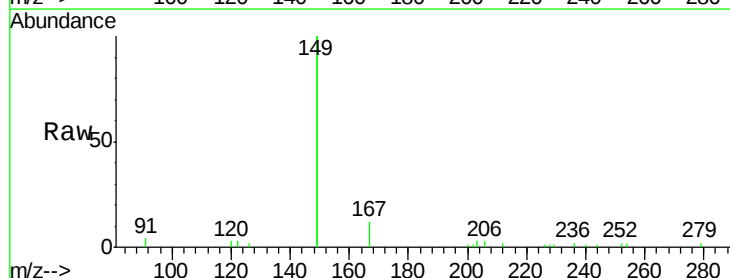
Tgt Ion:149 Resp: 13560

Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

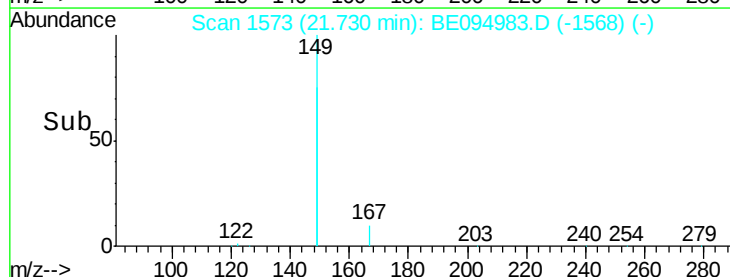
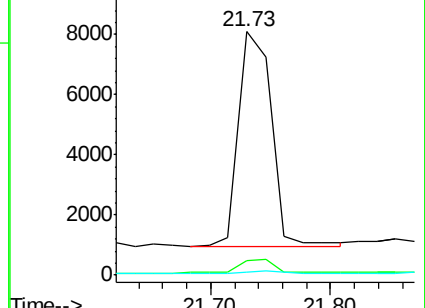
279 0.8 0.7 1.1

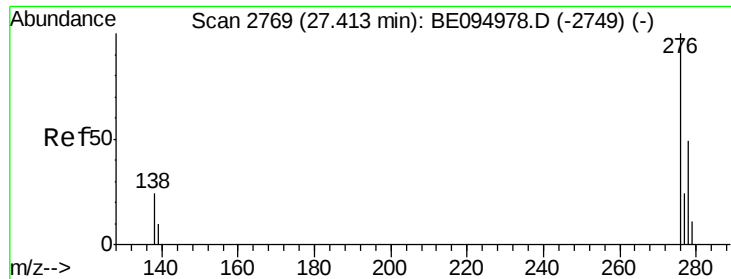


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.278 ng

RT: 27.41 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

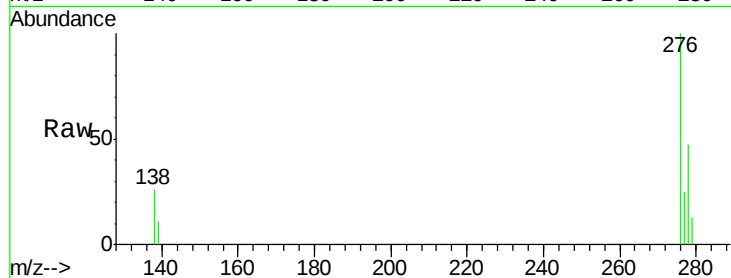
Tot Ion:276 Resp: 13518

Ion Ratio Lower Upper

276 100

138 27.3 22.5 33.7

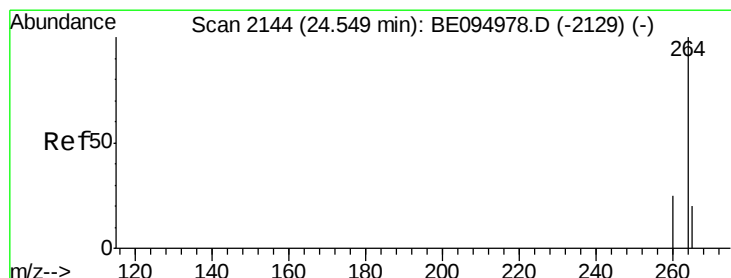
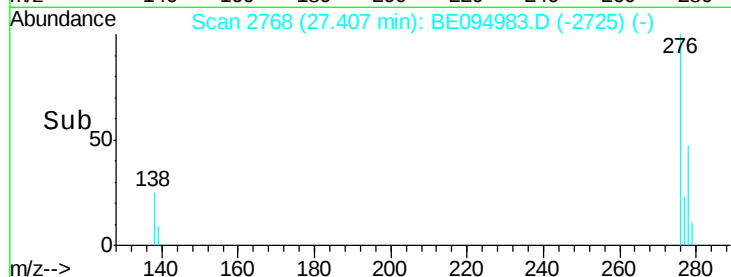
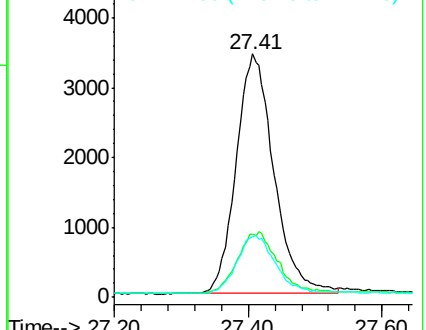
277 24.6 19.9 29.9



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: BE094983.D

Acq: 14 Dec 2017 19:01

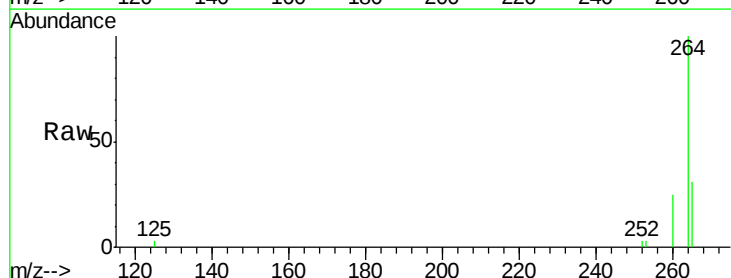
Tgt Ion:264 Resp: 13837

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

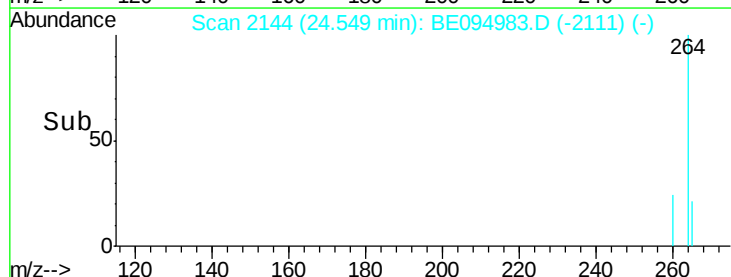
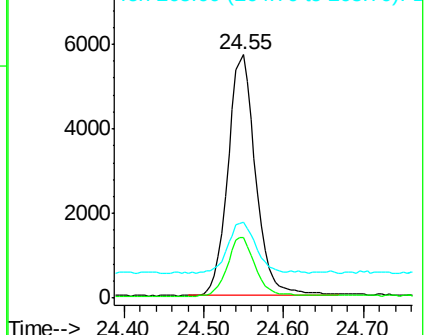
265 31.3 22.8 34.2

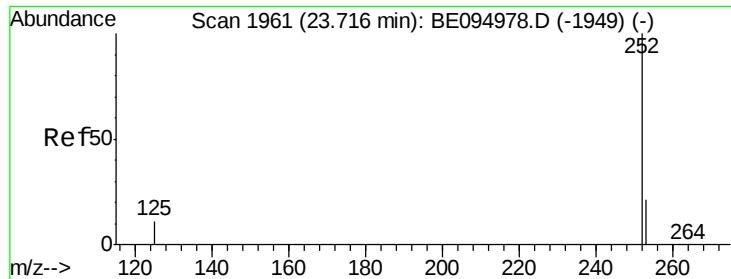


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

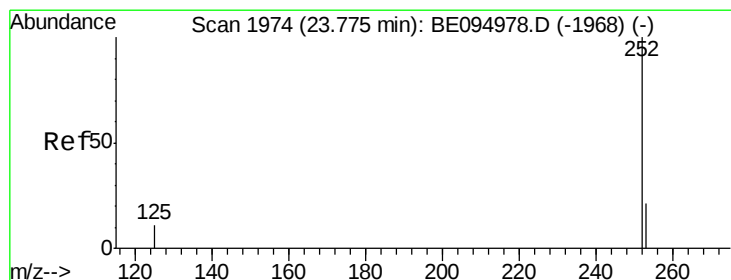
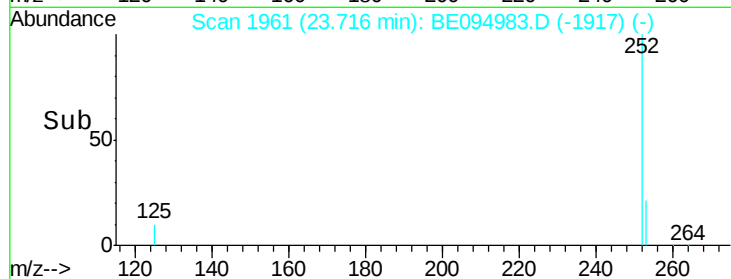
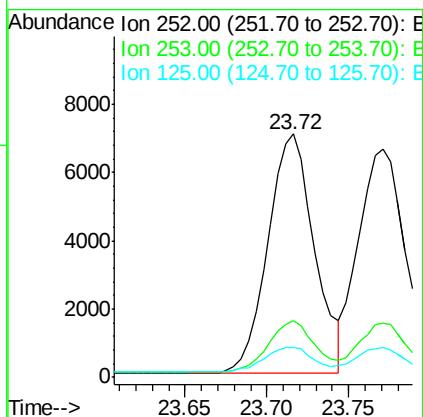
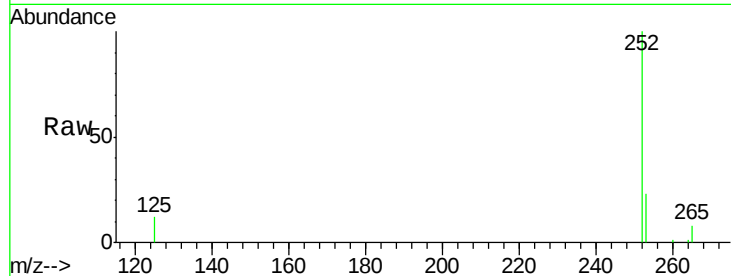




#35
Benzo(b)fluoranthene
Concen: 0.273 ng
RT: 23.72 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

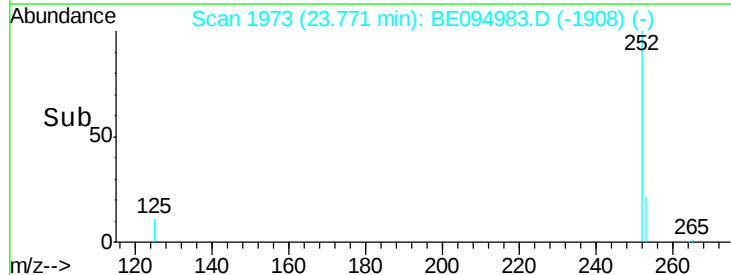
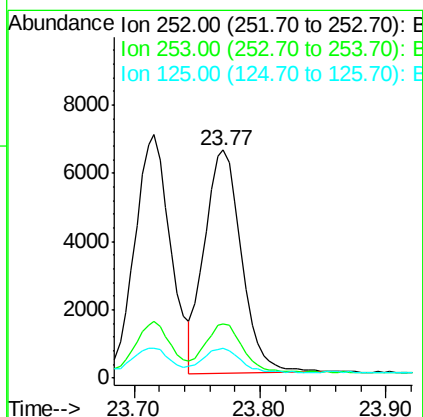
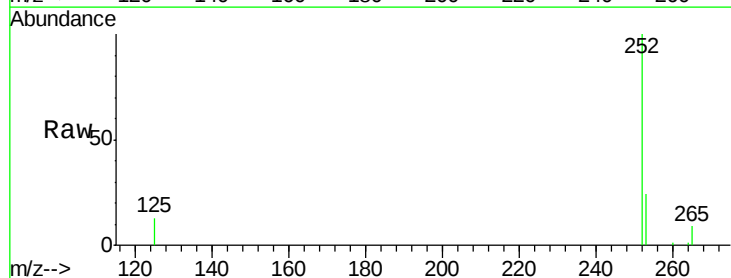
Instrument :
BNA_E
ClientSampleId :
PB104984BS

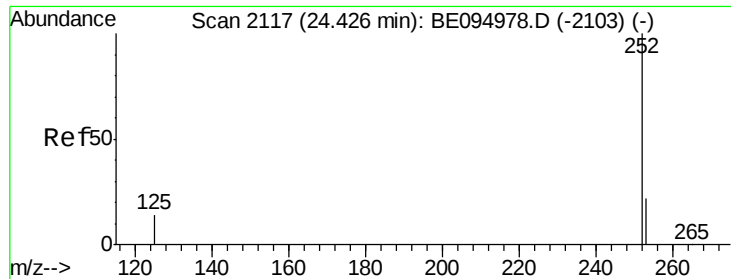
Tot Ion:252 Resp: 13897
Ion Ratio Lower Upper
252 100
253 23.0 20.0 30.0
125 12.3 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.258 ng
RT: 23.77 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BE094983.D
Acq: 14 Dec 2017 19:01

Tgt Ion:252 Resp: 13287
Ion Ratio Lower Upper
252 100
253 23.5 16.0 24.0
125 13.3 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.272 ng

RT: 24.43 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

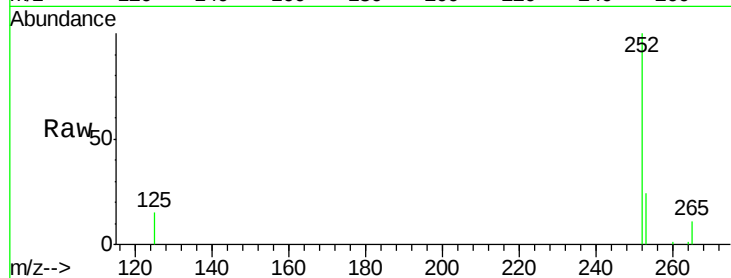
Tot Ion:252 Resp: 12268

Ion Ratio Lower Upper

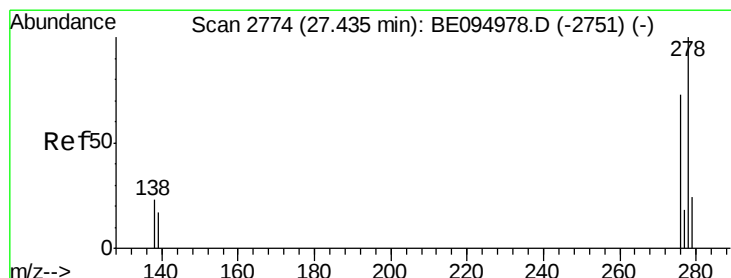
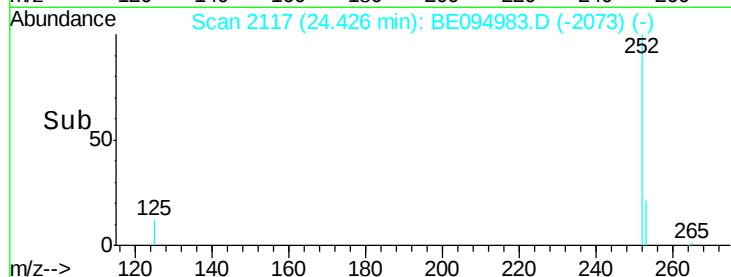
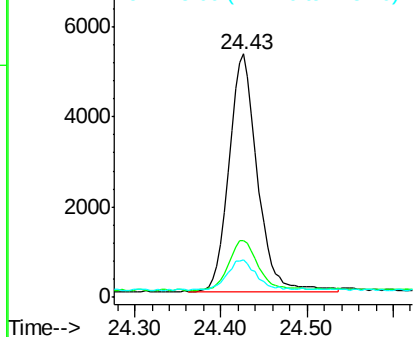
252 100

253 23.5 16.0 24.0

125 15.4 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: 0.267 ng

RT: 27.43 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

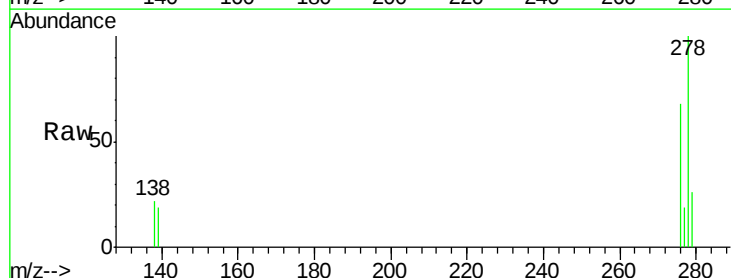
Tgt Ion:278 Resp: 11158

Ion Ratio Lower Upper

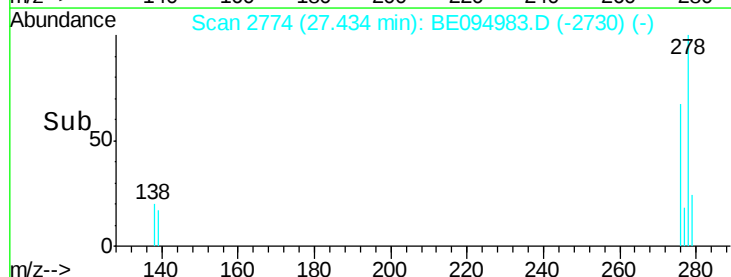
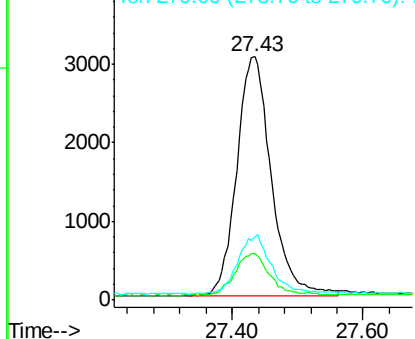
278 100

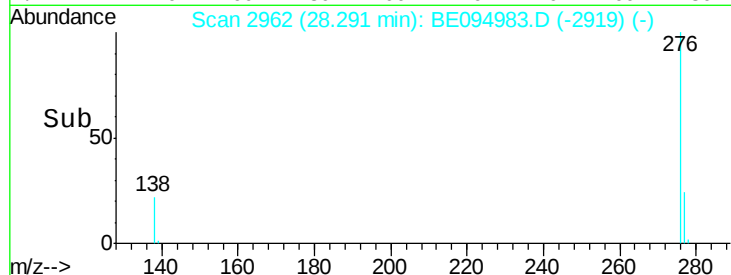
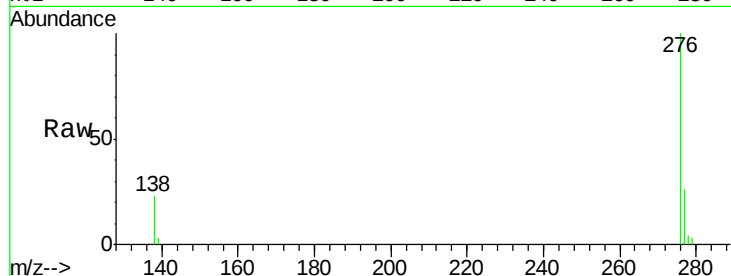
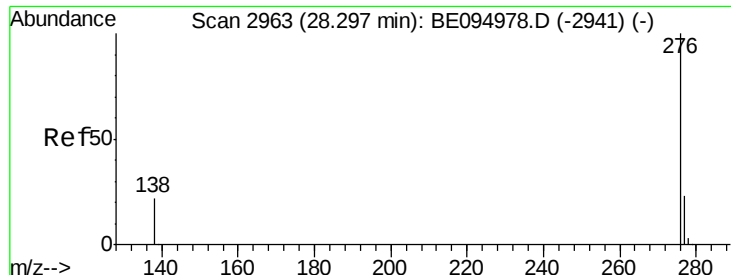
139 19.1 16.0 24.0

279 26.2 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(a,h,i)perylene

Concen: 0.289 ng

RT: 28.29 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BE094983.D

Acq: 14 Dec 2017 19:01

Instrument :

BNA_E

ClientSampleId :

PB104984BS

Tot Ion:276 Resp: 12048

Ion Ratio Lower Upper

276 100

277 25.6 16.0 24.0#

138 23.2 20.0 30.0

