

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121517\
 Data File : BE094999.D
 Acq On : 15 Dec 2017 13:28
 Operator : SJ/JU
 Sample : I6876-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

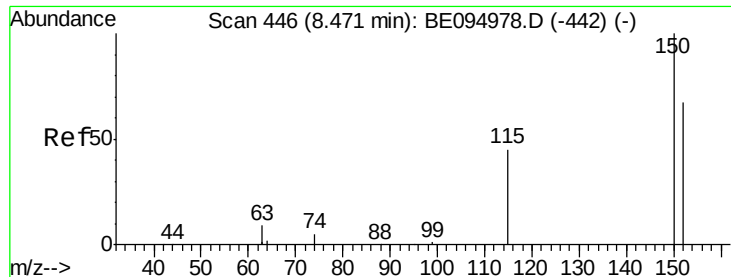
Quant Time: Dec 15 16:32:09 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 18:42:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7440	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	16254	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	9325	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	21818	0.40	ng	0.00
27) Chrysene-d12	21.87	240	24320	0.40	ng	0.00
34) Perylene-d12	24.55	264	19004	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	2136	0.18	ng	0.00
5) Phenol-d6	7.59	99	1999	0.12	ng	0.00
8) Nitrobenzene-d5	9.65	82	6370	0.48	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	10975	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	1449	0.67	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	19688	0.48	ng	0.00
25) Fluoranthene-d10	19.75	212	121750	0.43	ng	0.00
29) Terphenyl-d14	20.31	244	26137	0.57	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	1432	0.195	ng	# 71
3) n-Nitrosodimethylamine	3.93	42	1177	0.136	ng	# 2
9) Naphthalene	11.38	128	7217	0.038	ng	# 97
22) Pentachlorophenol	17.43	266	77	0.103	ng	94
23) Phenanthrene	17.80	178	1422	0.021	ng	# 93
24) Anthracene	17.91	178	2345	0.034	ng	# 49
30) Benzo(a)anthracene	21.85	228	3007	0.042	ng	# 67
31) Chrysene	21.92	228	3760	0.047	ng	# 71
32) Bis(2-ethylhexyl)phthalate	21.73	149	31845	0.352	ng	99
33) Indeno(1,2,3-cd)pyrene	27.41	276	2642	0.041	ng	99
35) Benzo(b)fluoranthene	23.71	252	2725	0.039	ng	# 80
36) Benzo(k)fluoranthene	23.77	252	2700	0.038	ng	# 64
37) Benzo(a)pyrene	24.43	252	1642	0.027	ng	# 35
38) Dibenzo(a,h)anthracene	27.44	278	2159	0.038	ng	# 76
39) Benzo(a,h,i)perylene	28.30	276	2219	0.039	ng	# 80

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

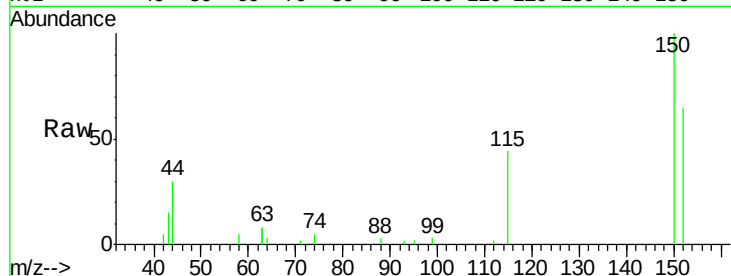


#1

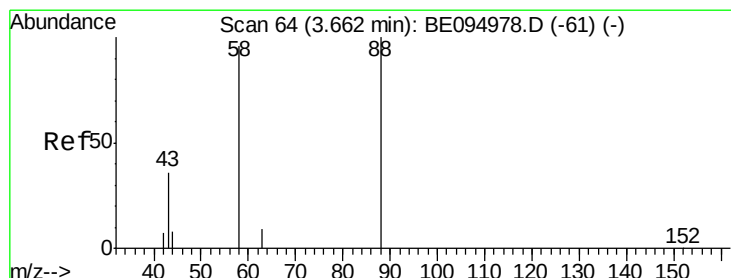
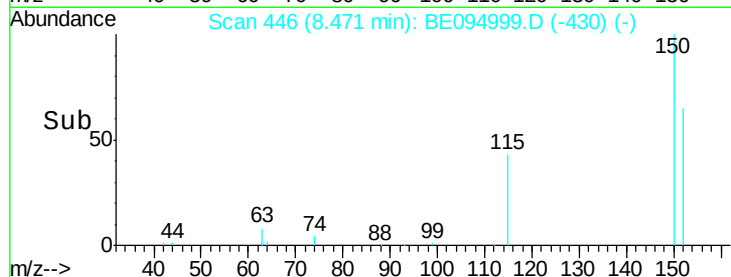
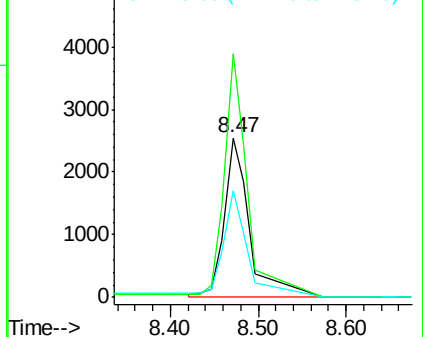
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.47 min Scan# 446
Delta R.T. 0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 7440
Ion Ratio Lower Upper
152 100
150 153.0 117.2 175.8
115 67.2 57.0 85.6



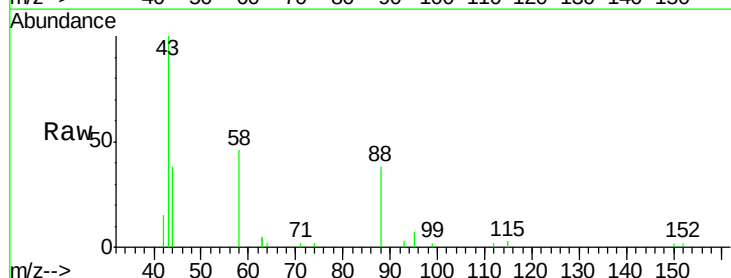
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



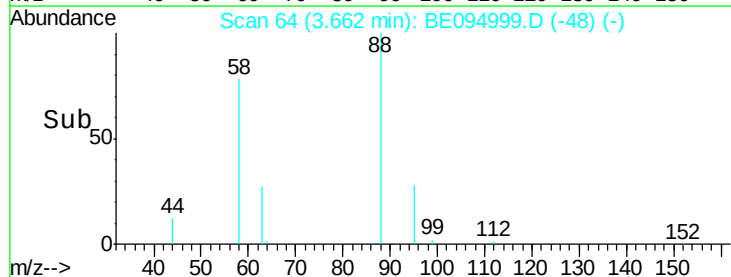
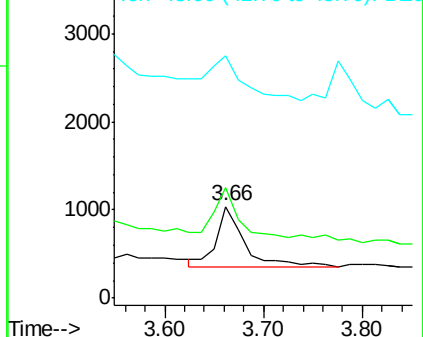
#2

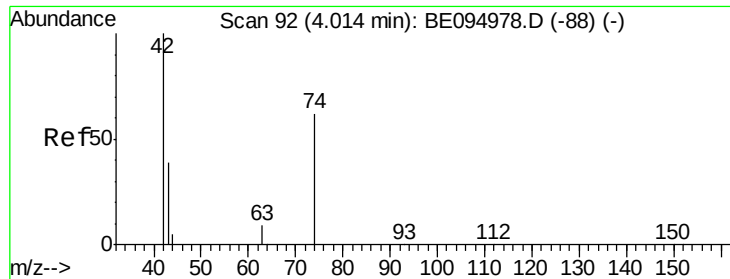
1,4-Dioxane
Concen: 0.195 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion: 88 Resp: 1432
Ion Ratio Lower Upper
88 100
58 97.8 63.2 94.8#
43 79.7 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

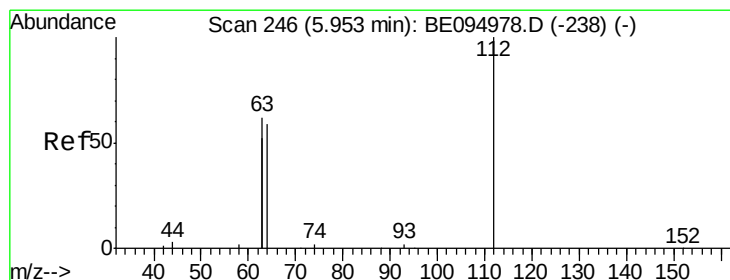
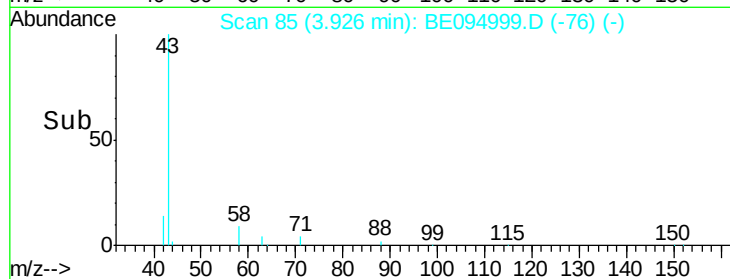
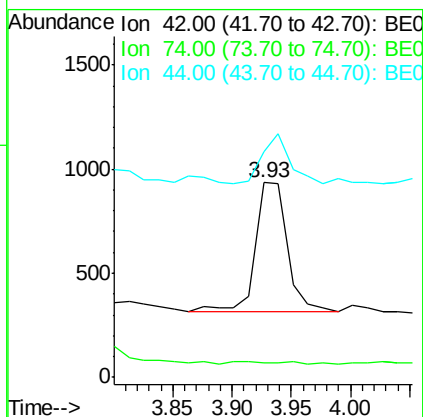
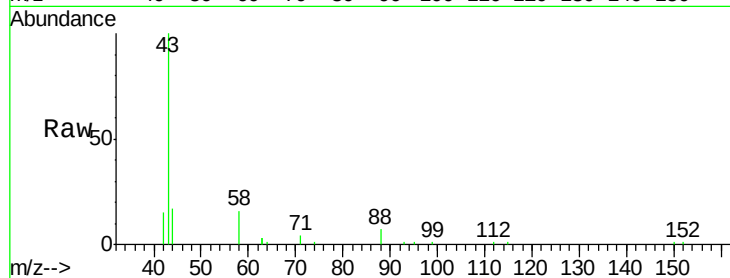




#3
n-Nitrosodimethylamine
Concen: 0.136 ng
RT: 3.93 min Scan# 85
Delta R.T. -0.09 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

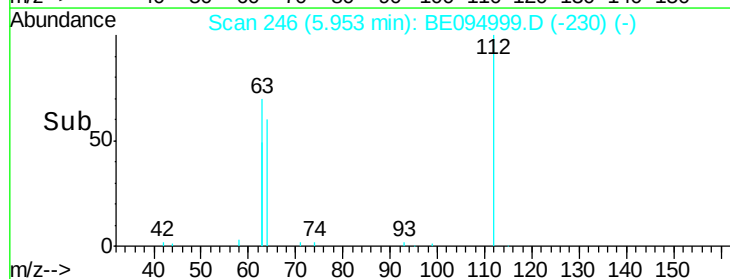
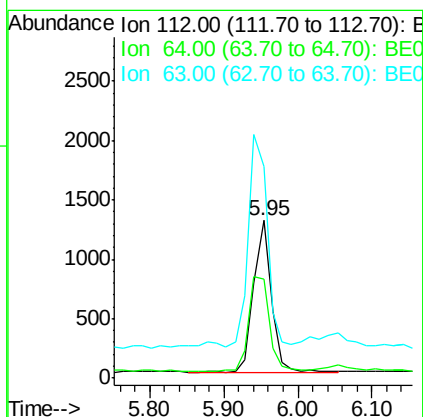
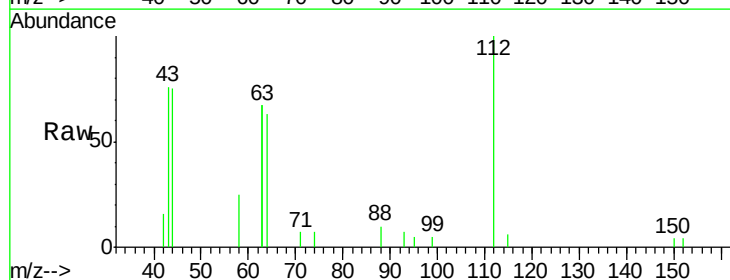
Instrument :
BNA_E
ClientSampleId :

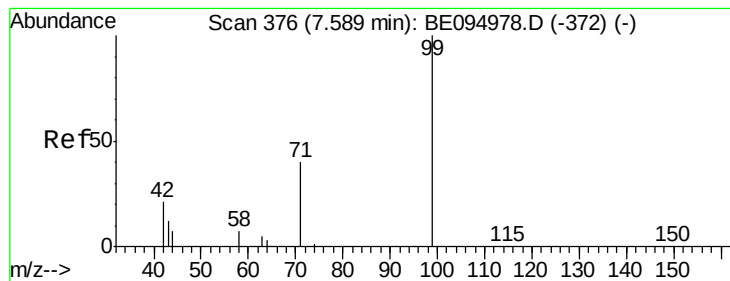
Tot Ion: 42 Resp: 1177
Ion Ratio Lower Upper
42 100
74 2.7 96.0 144.0#
44 0.0 12.0 18.0#



#4
2-Fluorophenol
Concen: 0.185 ng
RT: 5.95 min Scan# 246
Delta R.T. 0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion: 112 Resp: 2136
Ion Ratio Lower Upper
112 100
64 71.3 60.1 90.1
63 147.5 116.8 175.2





#5

Phenol-d6

Concen: 0.116 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampled :

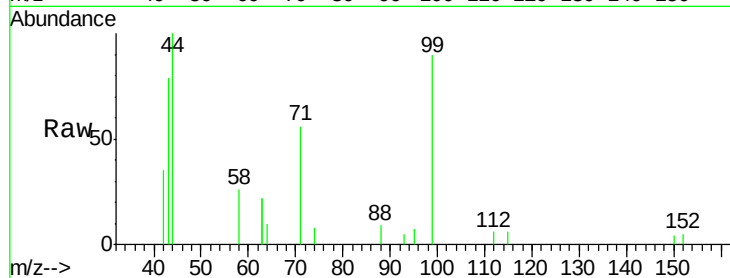
Tot Ion: 99 Resp: 1999

Ion Ratio Lower Upper

99 100

42 42.2 20.2 30.2#

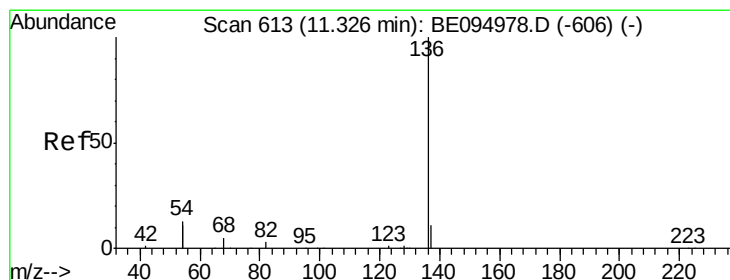
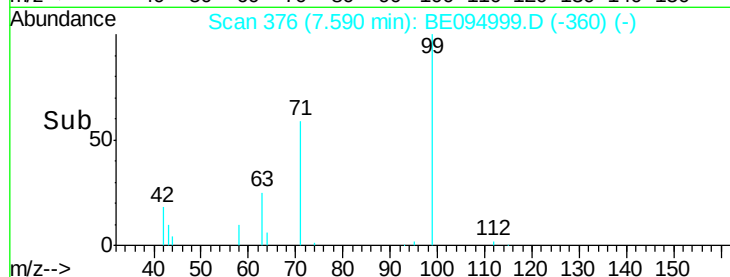
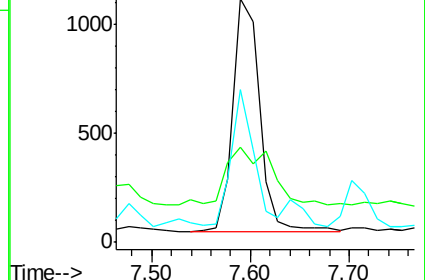
71 50.4 28.4 42.6#



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.33 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Tgt Ion: 136 Resp: 16254

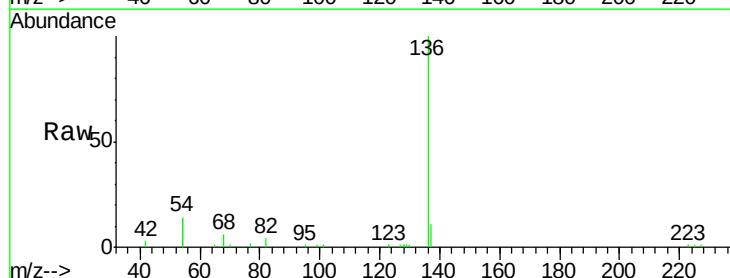
Ion Ratio Lower Upper

136 100

137 11.3 9.5 14.3

54 27.7 29.1 43.7#

68 6.4 6.2 9.2

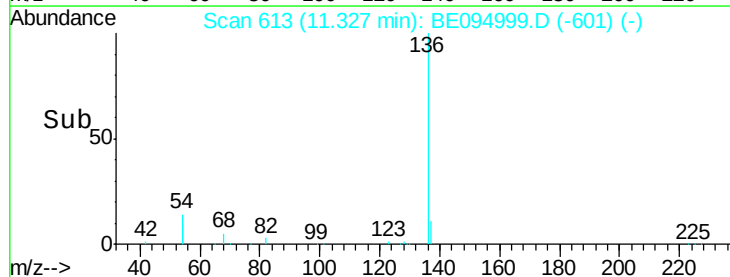
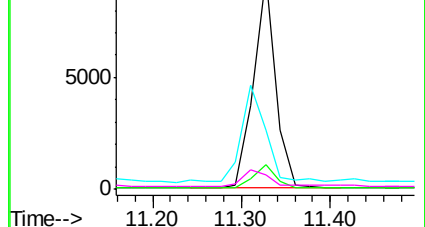


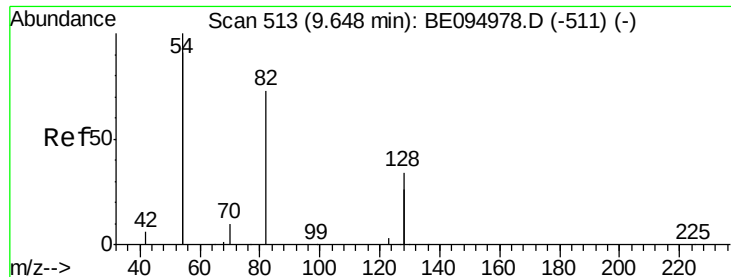
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.478 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

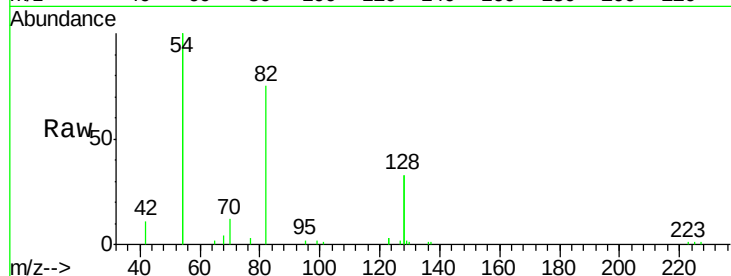
Tot Ion: 82 Resp: 6370

Ion Ratio Lower Upper

82 100

128 89.5 150.0 225.0#

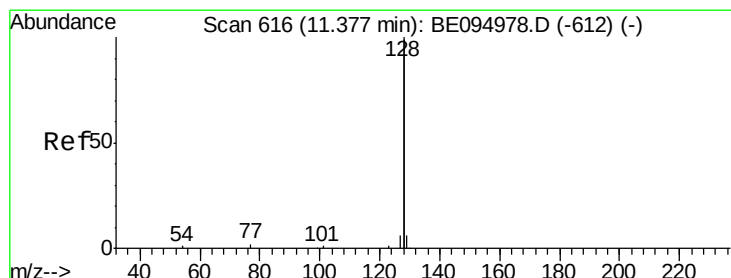
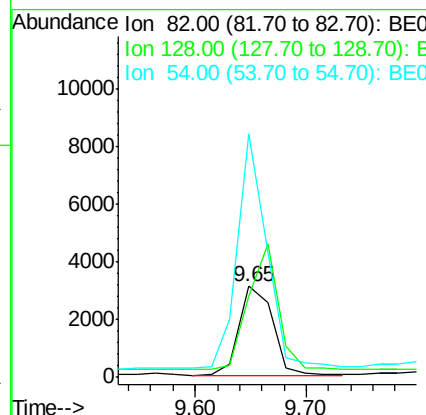
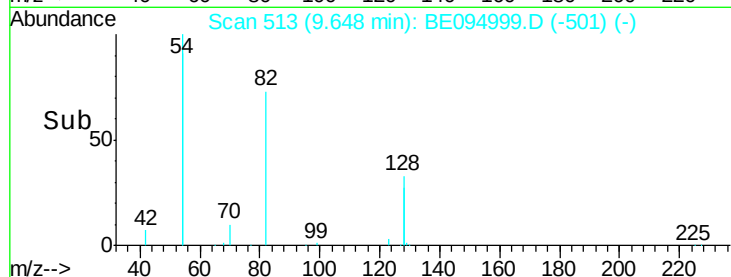
54 267.8 154.2 231.4#



Abundance Ion 82.00 (81.70 to 82.70): BE094999.D (-501) (-)

Ion 128.00 (127.70 to 128.70): BE094999.D (-501) (-)

Ion 54.00 (53.70 to 54.70): BE094999.D (-501) (-)



#9

Naphthalene

Concen: 0.038 ng

RT: 11.38 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

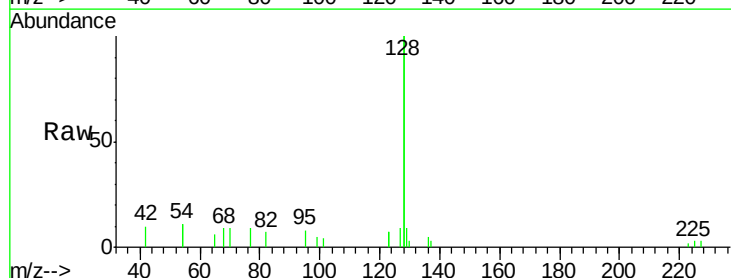
Tgt Ion: 128 Resp: 7217

Ion Ratio Lower Upper

128 100

129 4.4 2.6 3.8#

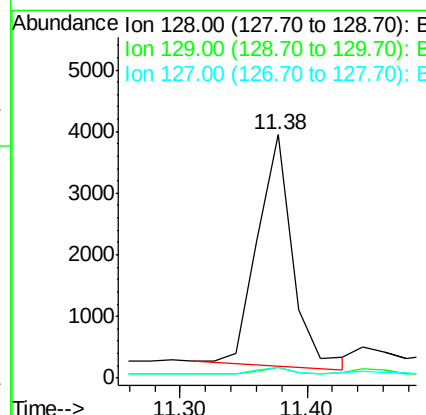
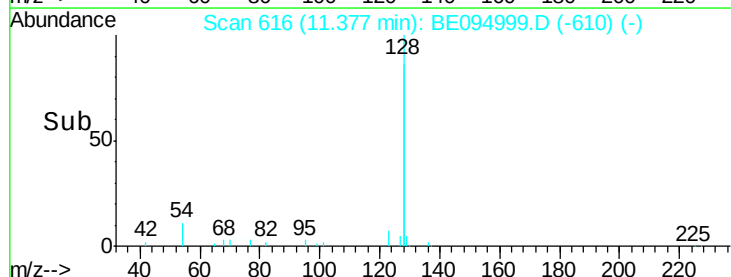
127 4.4 2.8 4.2#

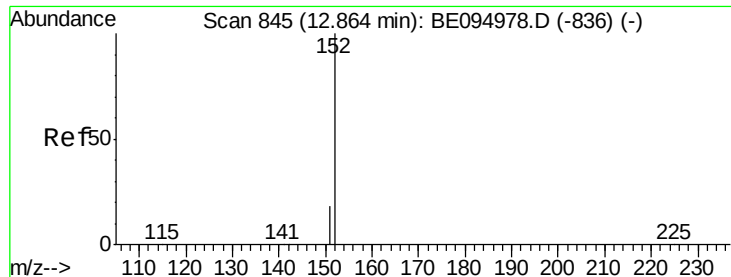


Abundance Ion 128.00 (127.70 to 128.70): BE094999.D (-610) (-)

Ion 129.00 (128.70 to 129.70): BE094999.D (-610) (-)

Ion 127.00 (126.70 to 127.70): BE094999.D (-610) (-)

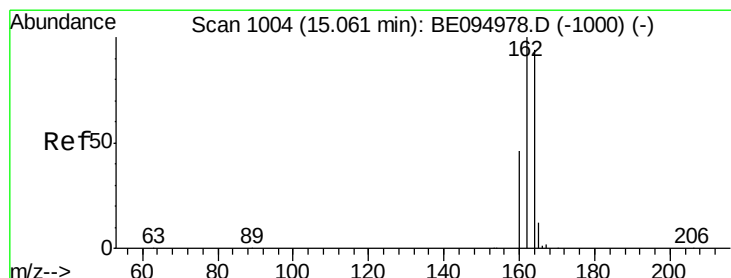
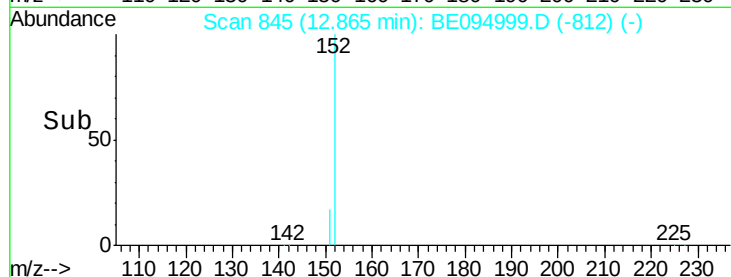
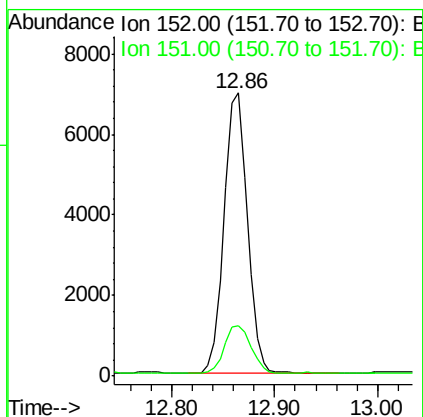
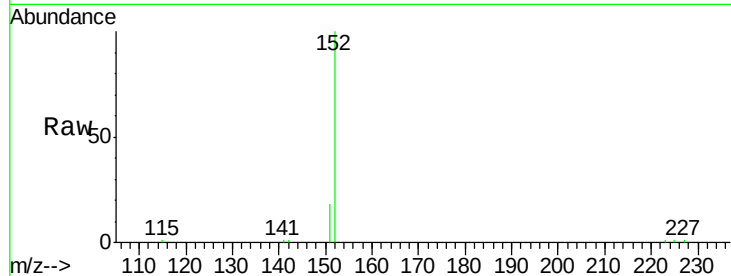




#11
 2-Methylnaphthalene-d10
 Concen: 0.412 ng
 RT: 12.86 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: BE094999.D
 Acq: 15 Dec 2017 13:28

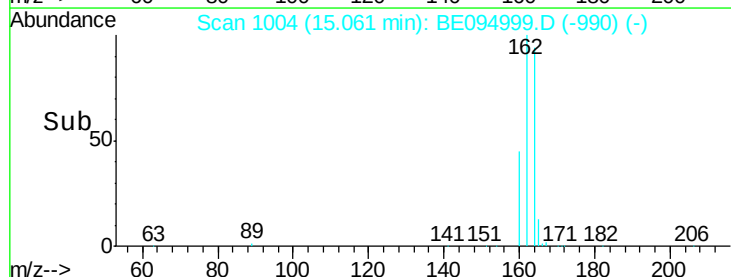
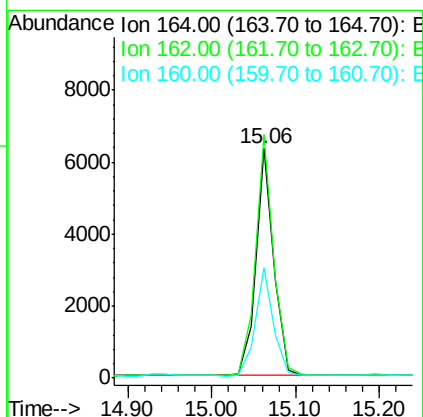
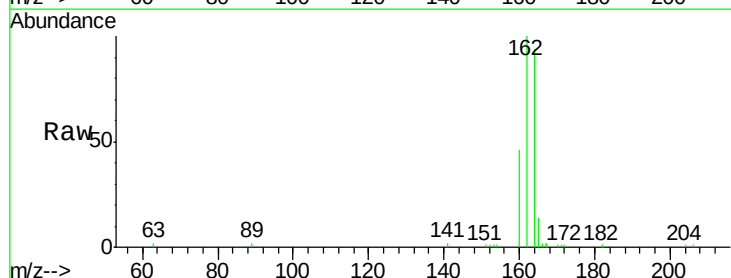
Instrument :
 BNA_E
 ClientSampleId :

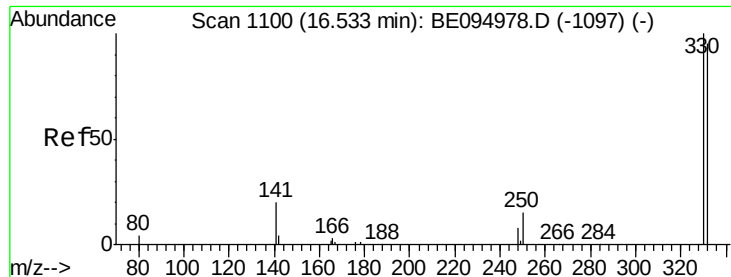
Tot Ion:152 Resp: 10975
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.4 23.0



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.06 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BE094999.D
 Acq: 15 Dec 2017 13:28

Tgt Ion:164 Resp: 9325
 Ion Ratio Lower Upper
 164 100
 162 106.3 83.1 124.7
 160 48.4 37.1 55.7





#14

2,4,6-Tribromophenol

Concen: 0.669 ng

RT: 16.53 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampled :

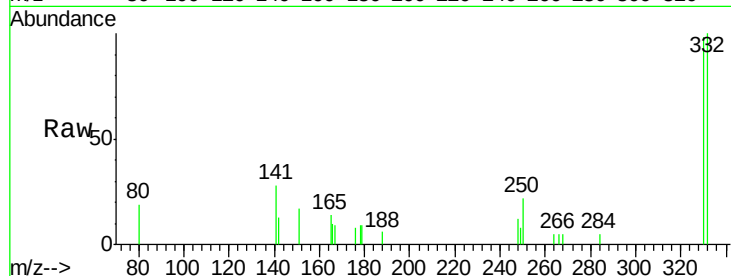
Tot Ion:330 Resp: 1449

Ion Ratio Lower Upper

330 100

332 95.0 152.7 229.1#

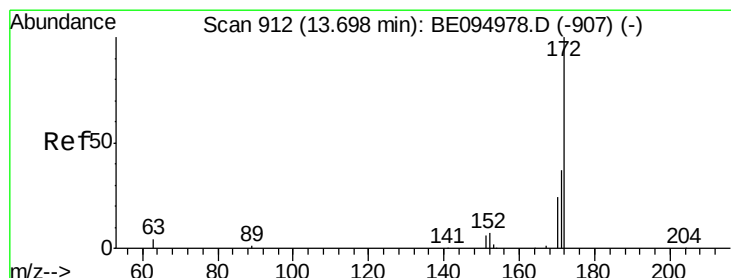
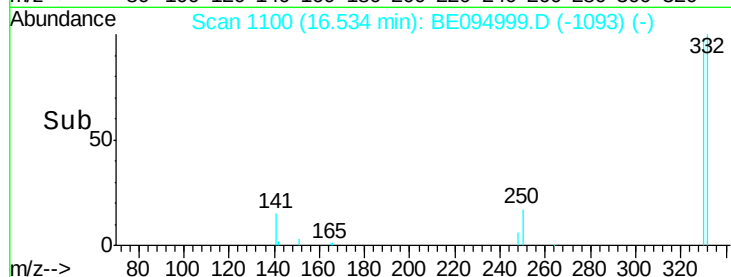
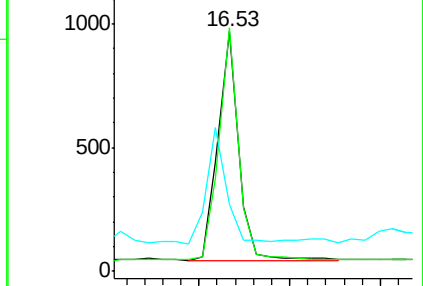
141 46.6 33.7 50.5



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: 0.477 ng

RT: 13.70 min Scan# 912

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

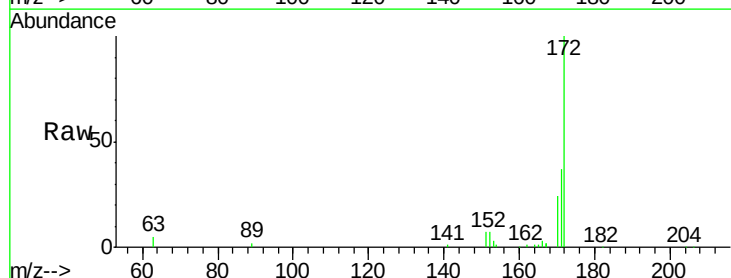
Tgt Ion:172 Resp: 19688

Ion Ratio Lower Upper

172 100

171 37.4 29.9 44.9

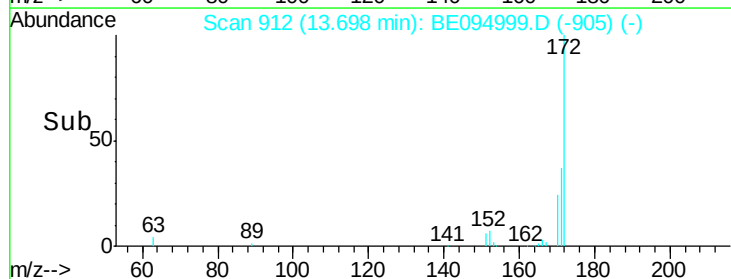
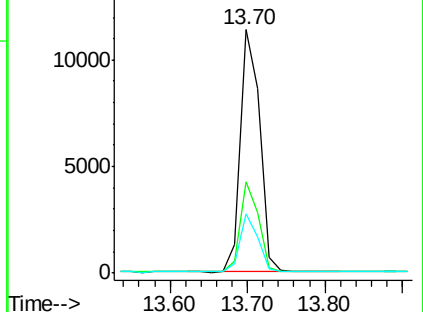
170 24.4 21.8 32.8

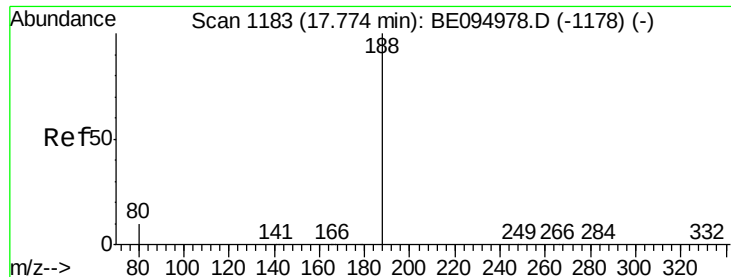


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

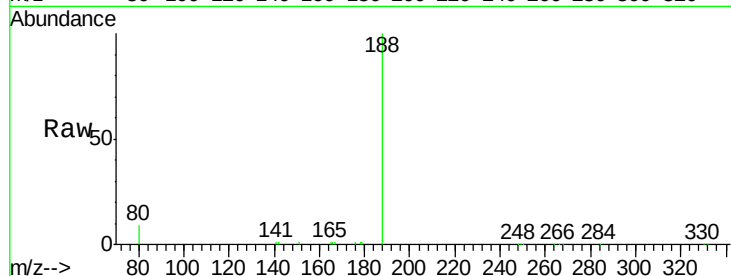
Tot Ion:188 Resp: 21818

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

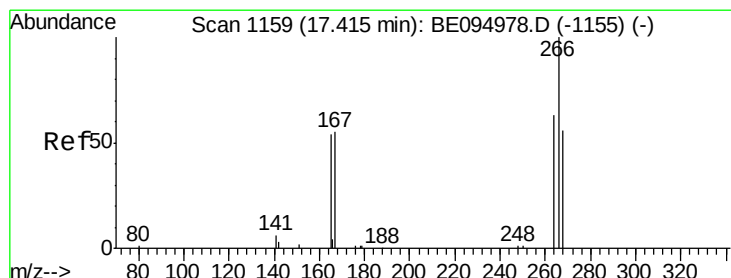
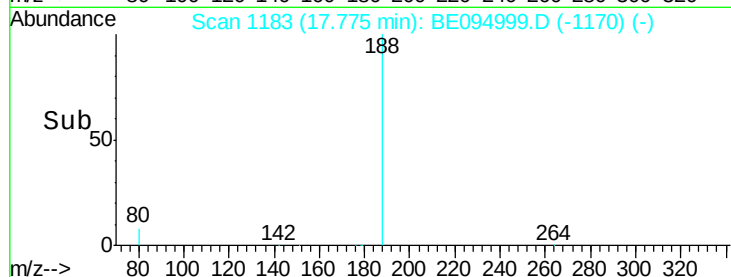
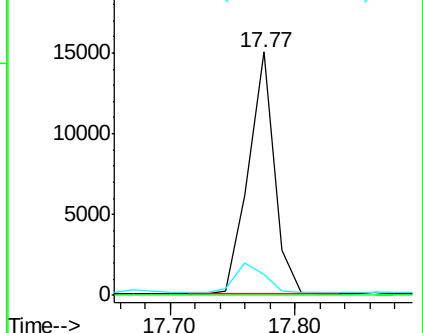
80 8.7 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.103 ng

RT: 17.43 min Scan# 1160

Delta R.T. 0.02 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

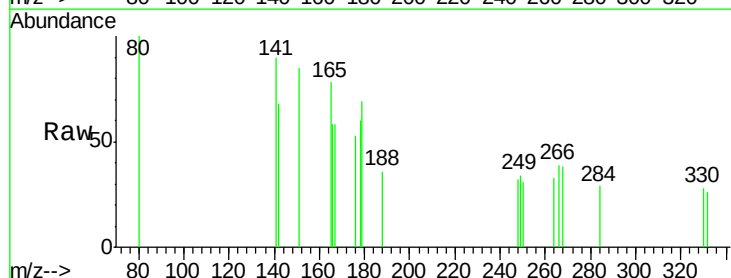
Tgt Ion:266 Resp: 77

Ion Ratio Lower Upper

266 100

264 85.1 72.5 108.7

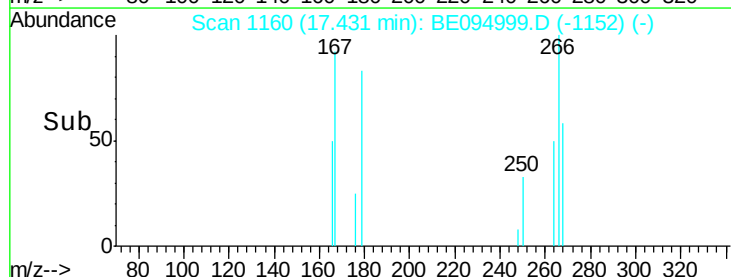
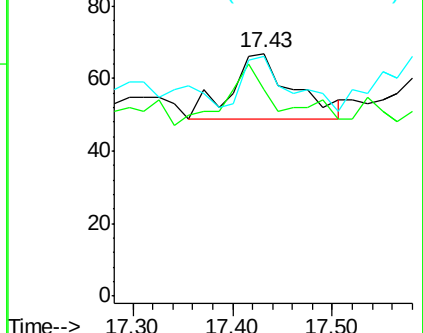
268 98.5 73.8 110.6

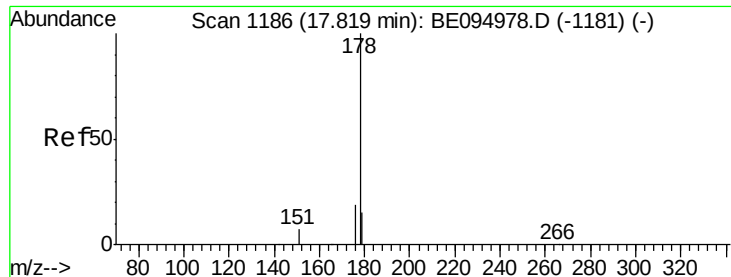


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.021 ng

RT: 17.80 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

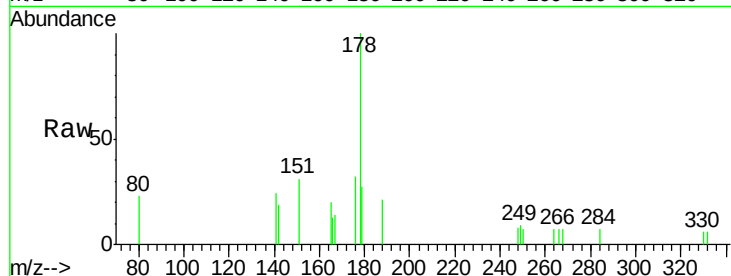
Tot Ion:178 Resp: 1422

Ion Ratio Lower Upper

178 100

176 23.2 15.1 22.7#

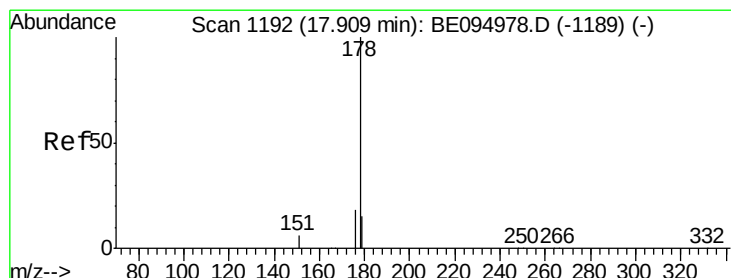
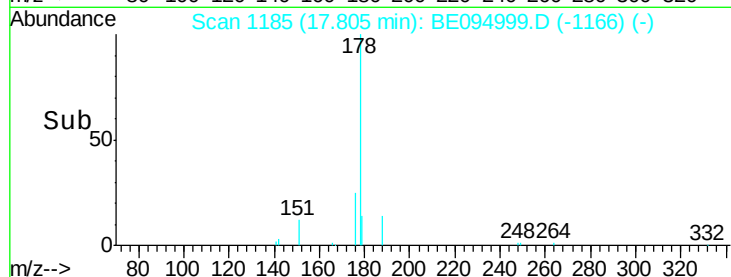
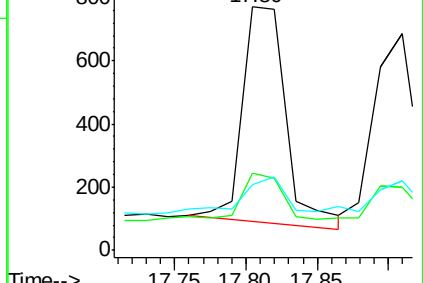
179 13.3 11.8 17.6



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: 0.034 ng

RT: 17.91 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

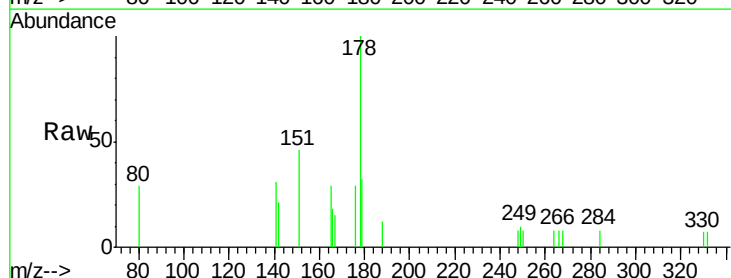
Tgt Ion:178 Resp: 2345

Ion Ratio Lower Upper

178 100

176 51.4 12.8 19.2#

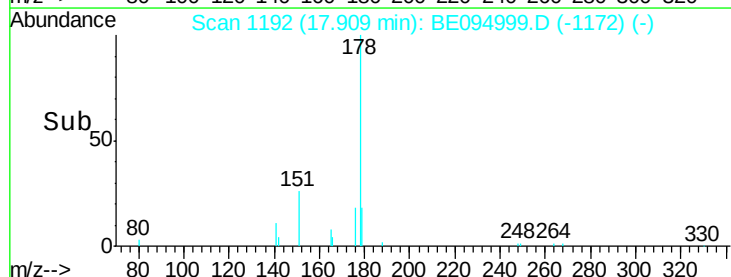
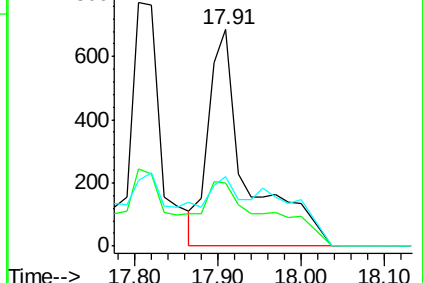
179 8.1 13.0 19.6#

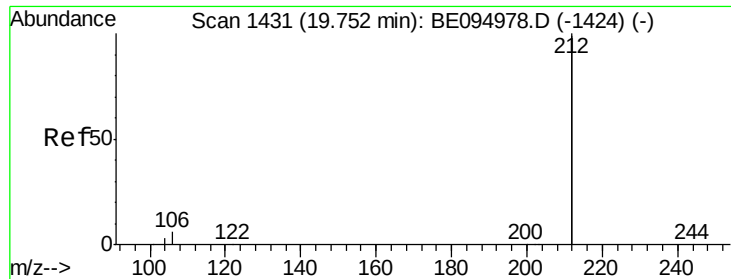


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.430 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

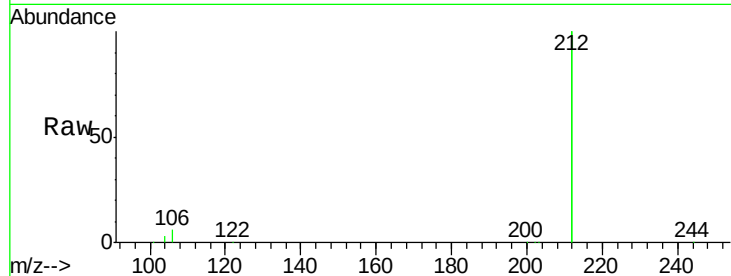
Tot Ion:212 Resp: 121750

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

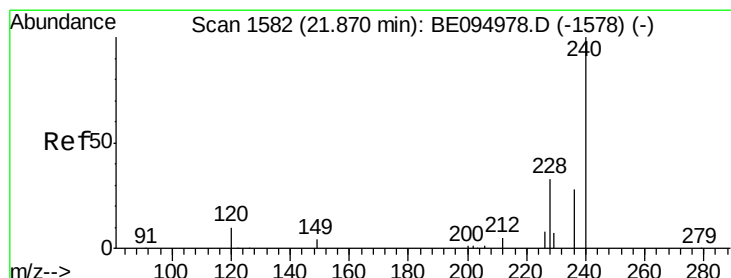
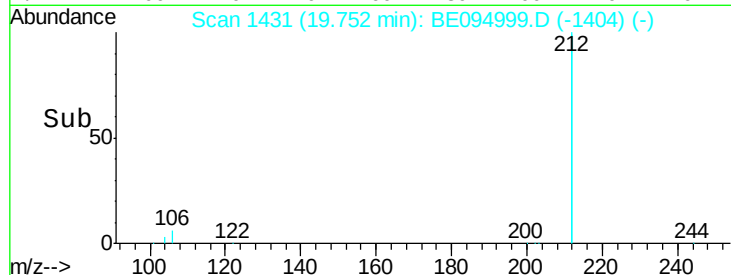
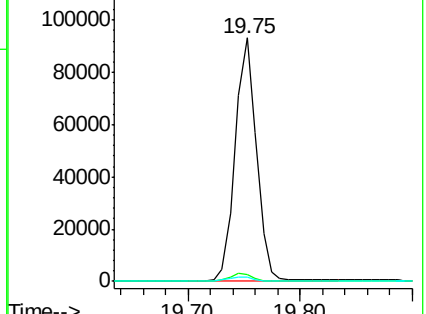
104 2.0 1.6 2.4



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

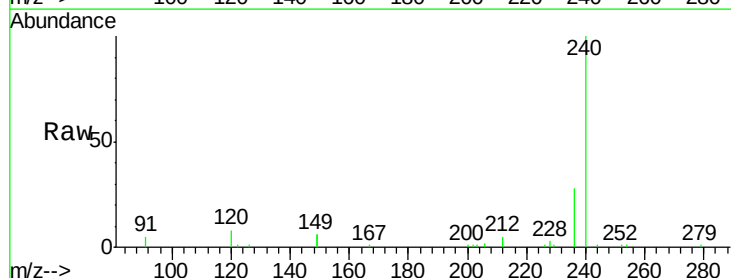
Tgt Ion:240 Resp: 24320

Ion Ratio Lower Upper

240 100

120 8.1 5.5 8.3

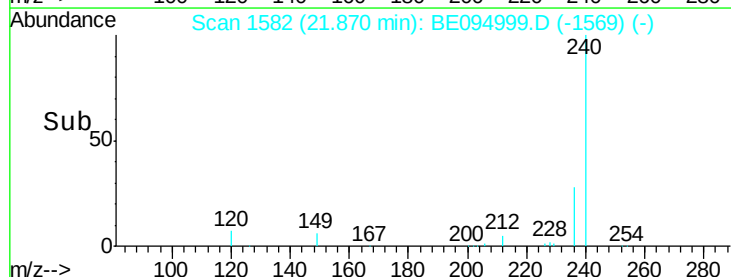
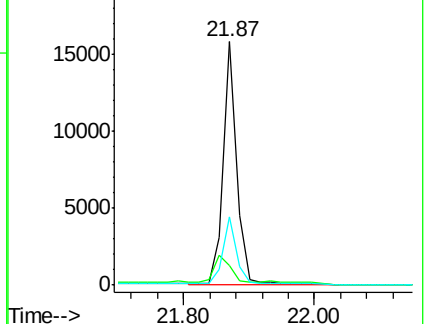
236 28.0 20.7 31.1

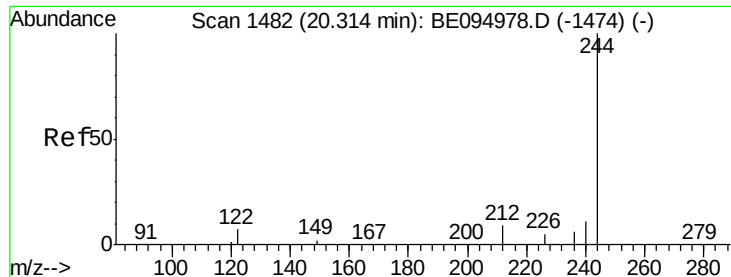


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.571 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampled :

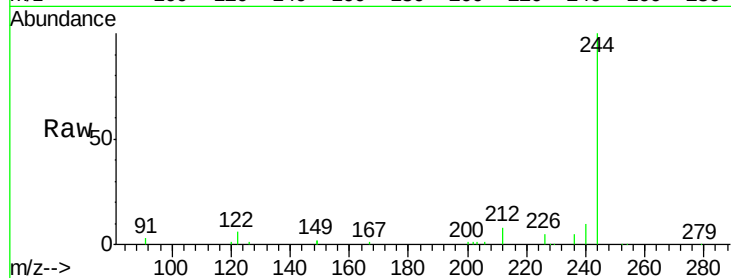
Tot Ion:244 Resp: 26137

Ion Ratio Lower Upper

244 100

212 8.1 25.4 38.0#

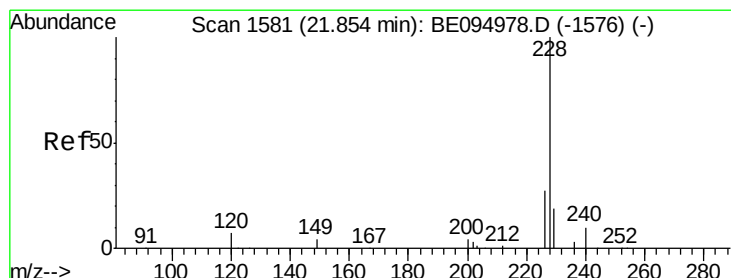
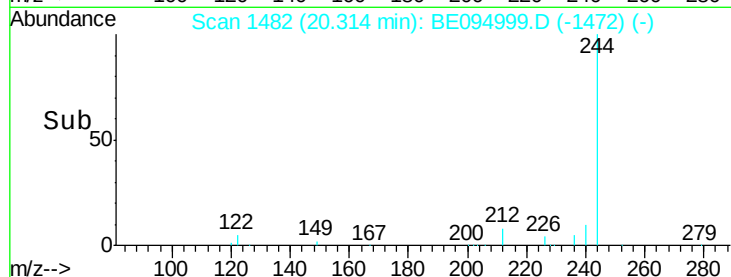
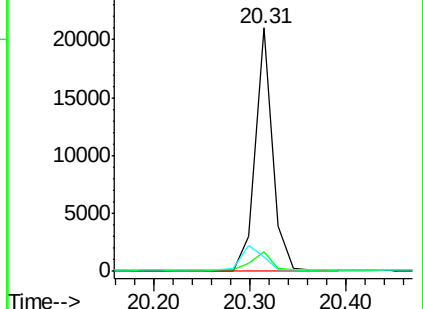
122 6.0 8.1 12.1#



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: 0.042 ng

RT: 21.85 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

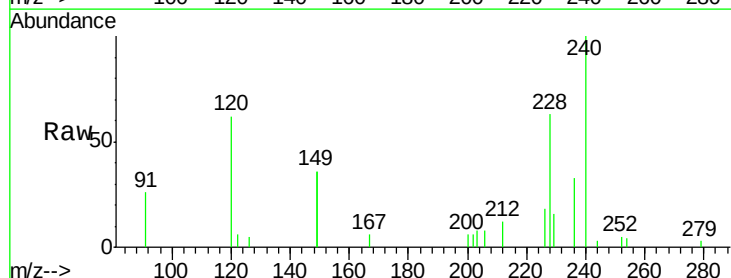
Tgt Ion:228 Resp: 3007

Ion Ratio Lower Upper

228 100

226 29.0 40.0 60.0#

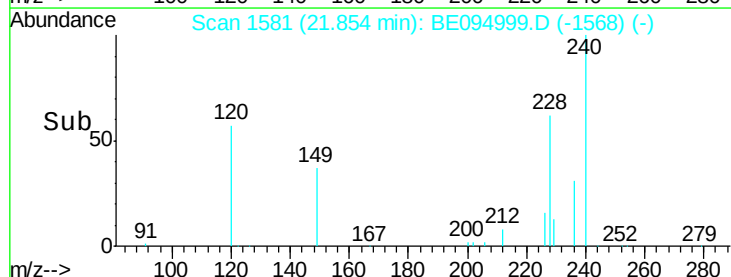
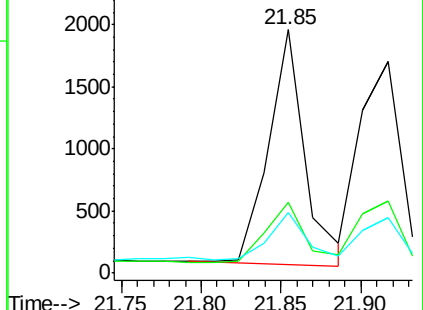
229 24.9 40.0 60.0#

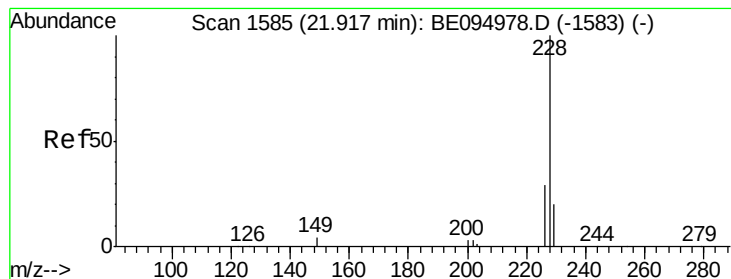


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.047 ng

RT: 21.92 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :

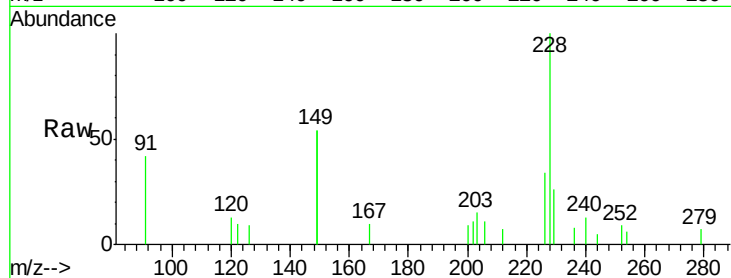
Tot Ion:228 Resp: 3760

Ion Ratio Lower Upper

228 100

226 34.0 40.0 60.0#

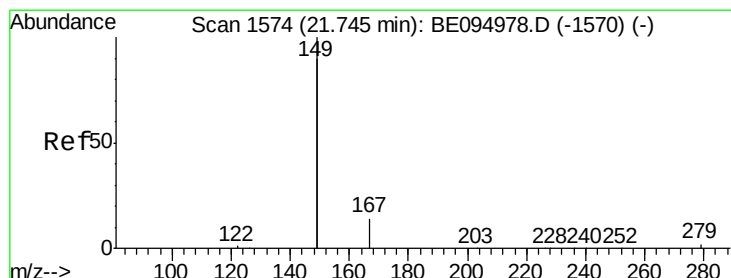
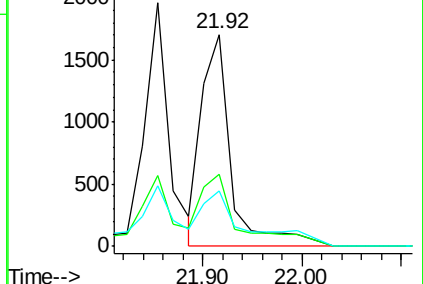
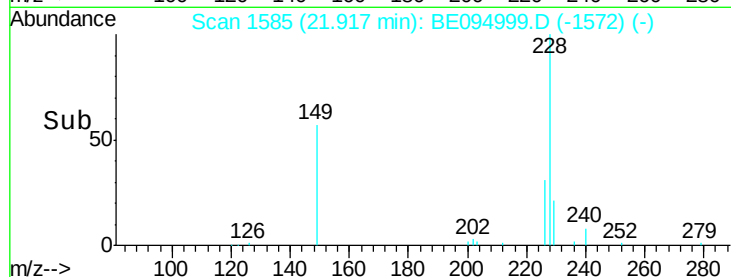
229 26.4 40.0 60.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.352 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

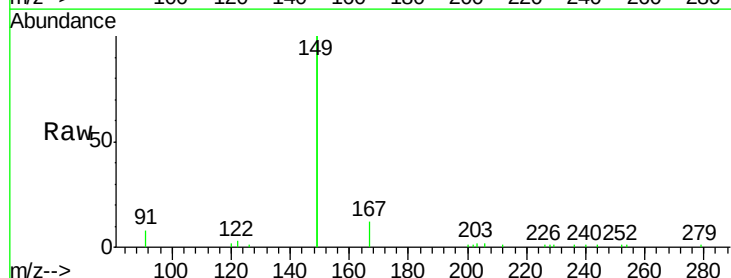
Tgt Ion:149 Resp: 31845

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

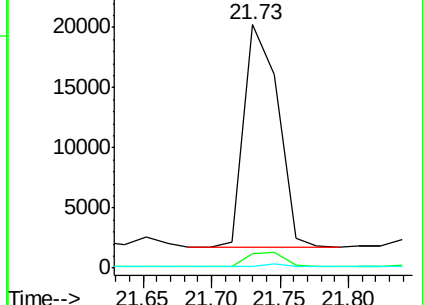
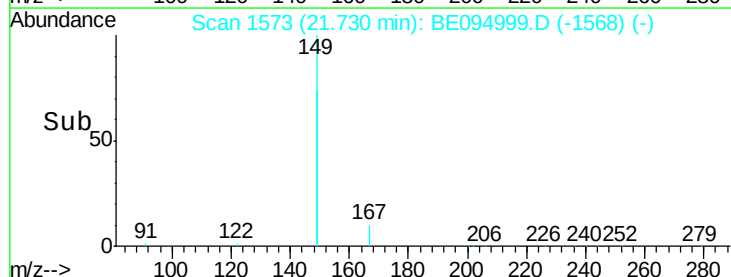
279 0.8 0.7 1.1

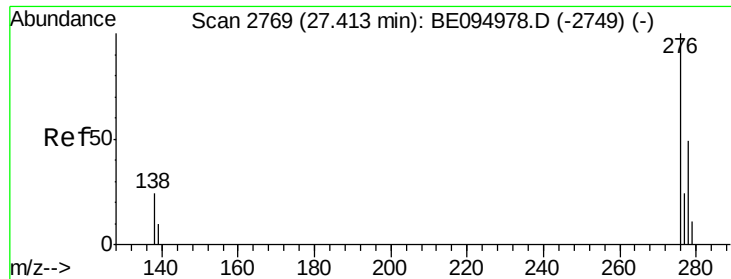


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

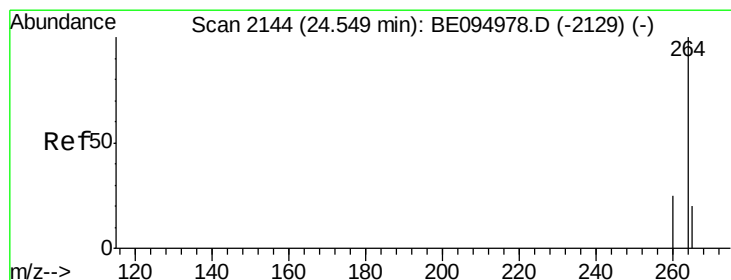
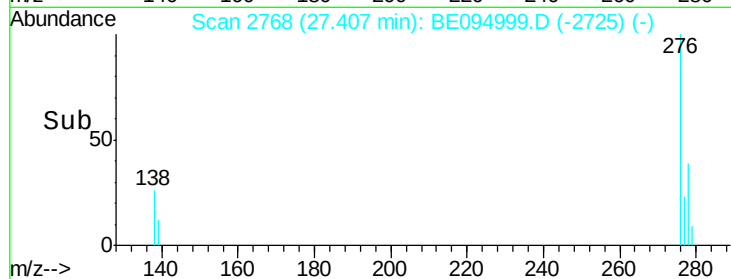
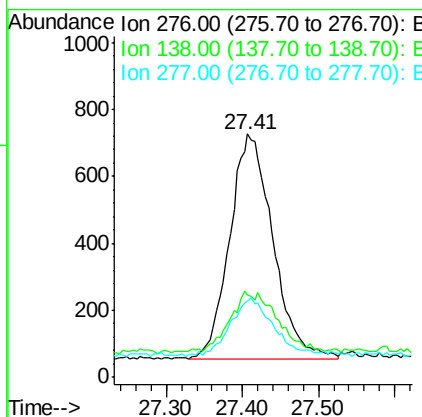
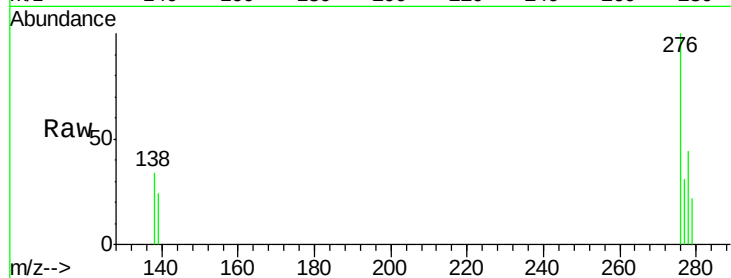




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.041 ng
RT: 27.41 min Scan# 2768
Delta R.T. -0.01 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

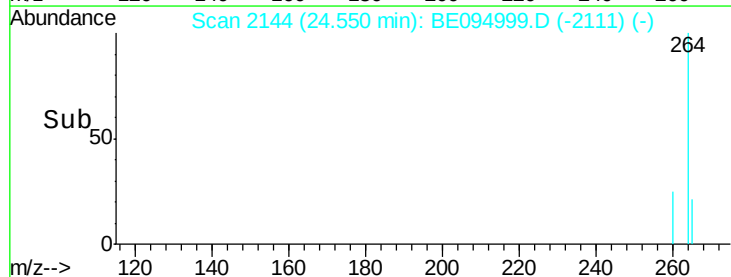
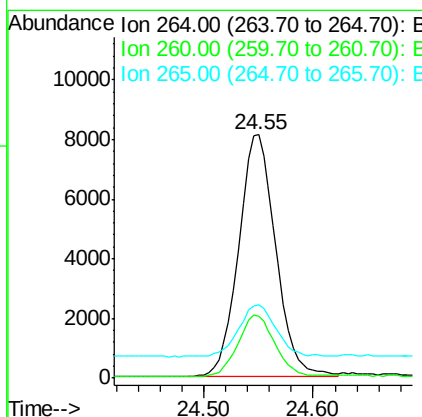
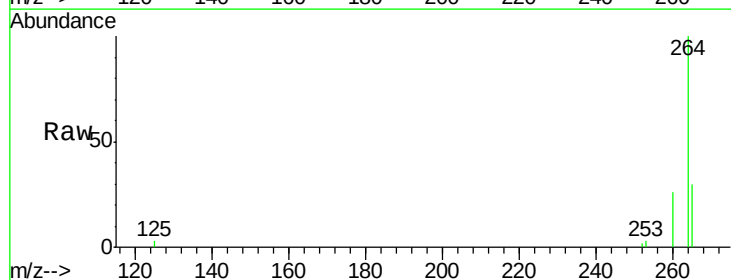
Instrument :
BNA_E
ClientSampleId :

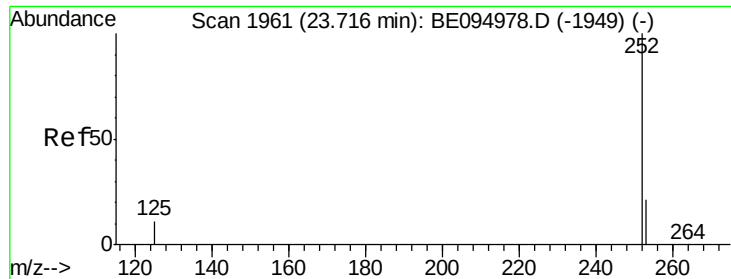
Tot Ion:276 Resp: 2642
Ion Ratio Lower Upper
276 100
138 28.5 22.5 33.7
277 25.0 19.9 29.9



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.55 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion:264 Resp: 19004
Ion Ratio Lower Upper
264 100
260 25.5 20.5 30.7
265 30.1 22.8 34.2

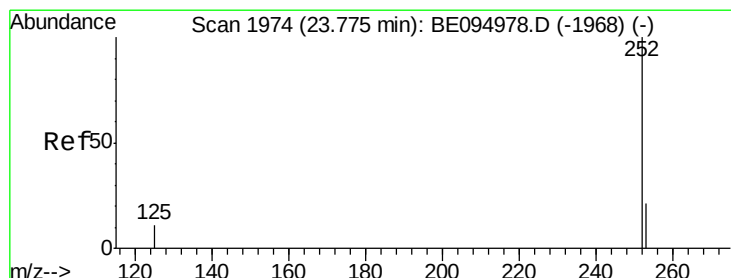
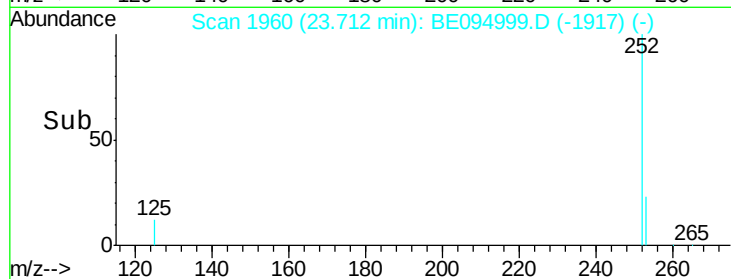
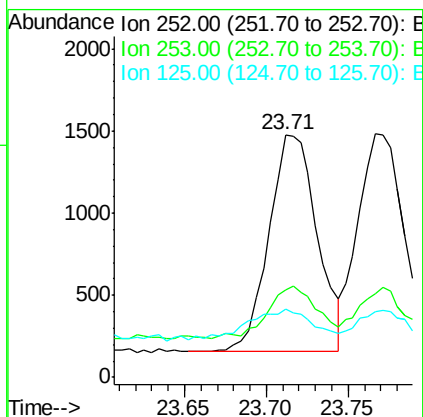
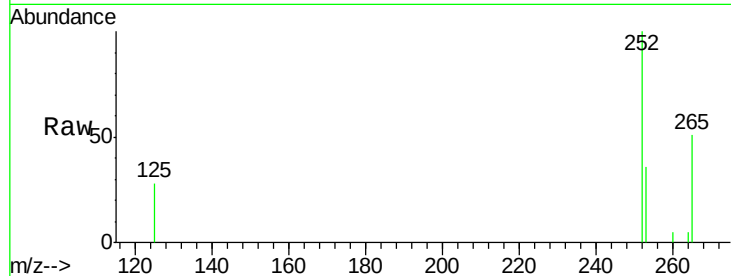




#35
Benzo(b)fluoranthene
Concen: 0.039 ng
RT: 23.71 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

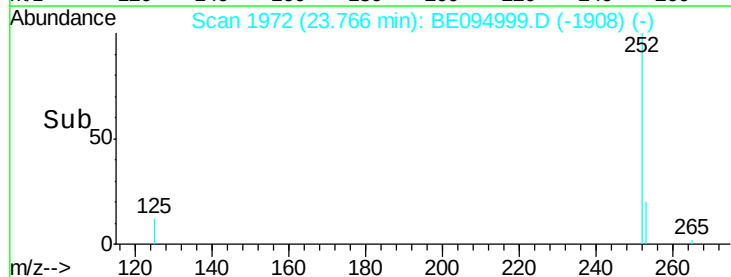
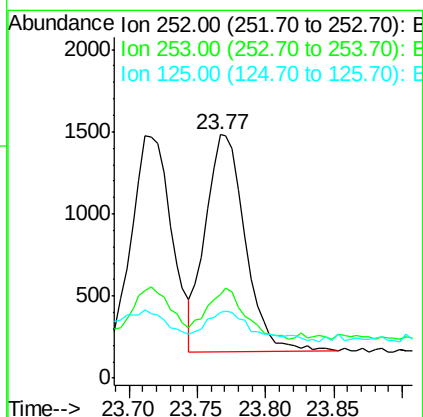
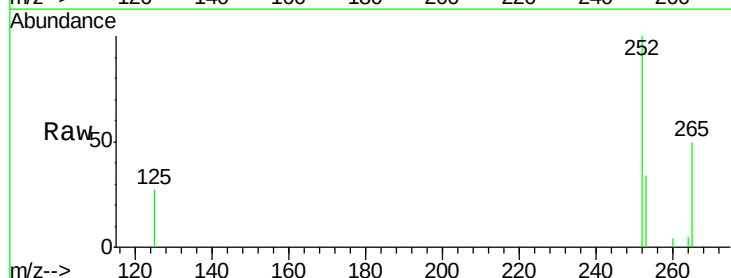
Instrument :
BNA_E
ClientSampleId :

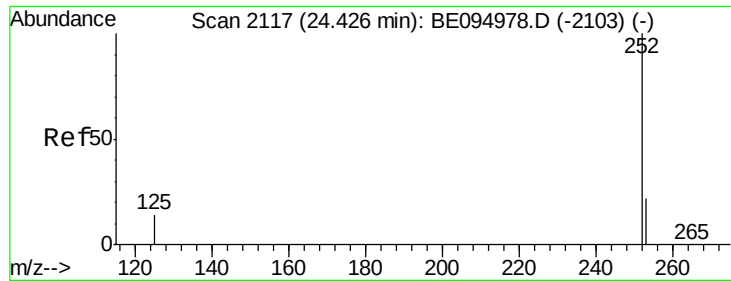
Tot Ion:252 Resp: 2725
Ion Ratio Lower Upper
252 100
253 36.2 20.0 30.0#
125 28.0 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.038 ng
RT: 23.77 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BE094999.D
Acq: 15 Dec 2017 13:28

Tgt Ion:252 Resp: 2700
Ion Ratio Lower Upper
252 100
253 34.5 16.0 24.0#
125 26.9 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.027 ng

RT: 24.43 min Scan# 2118

Delta R.T. 0.01 min

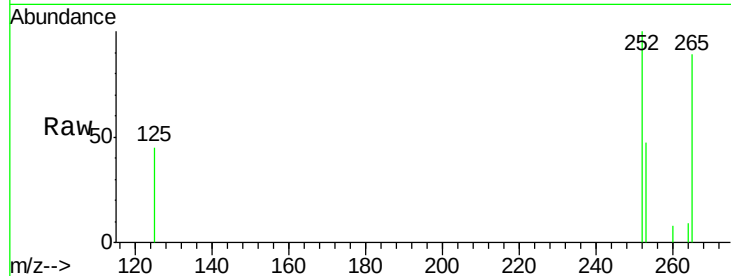
Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampled :



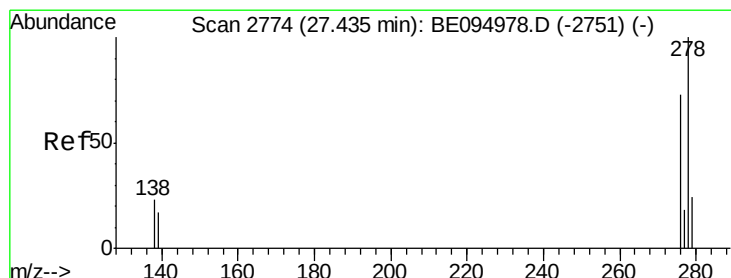
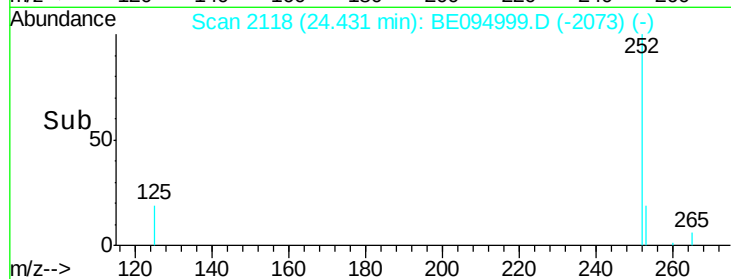
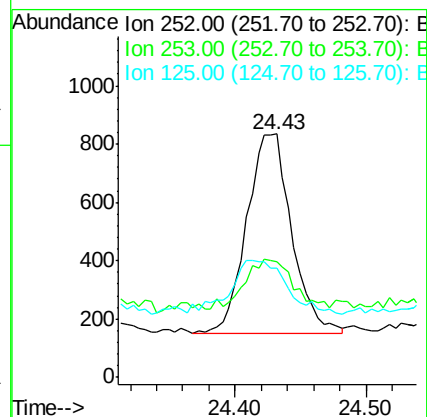
Tot Ion:252 Resp: 1642

Ion Ratio Lower Upper

252 100

253 47.4 16.0 24.0#

125 44.7 12.0 18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.038 ng

RT: 27.44 min Scan# 2775

Delta R.T. 0.00 min

Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

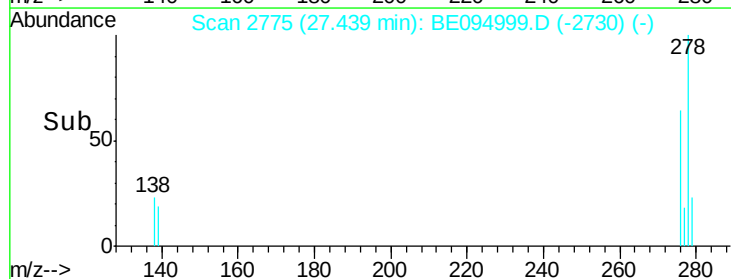
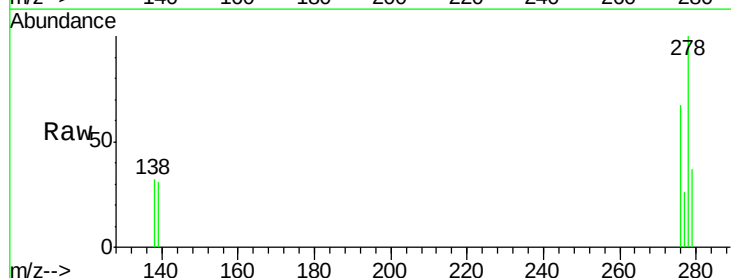
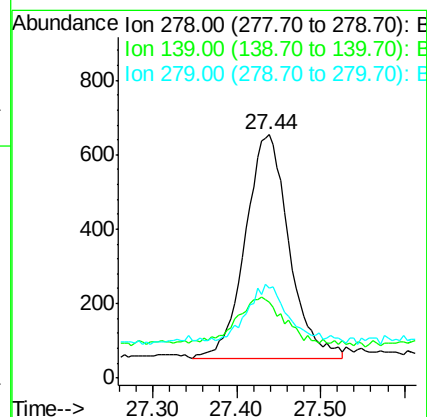
Tgt Ion:278 Resp: 2159

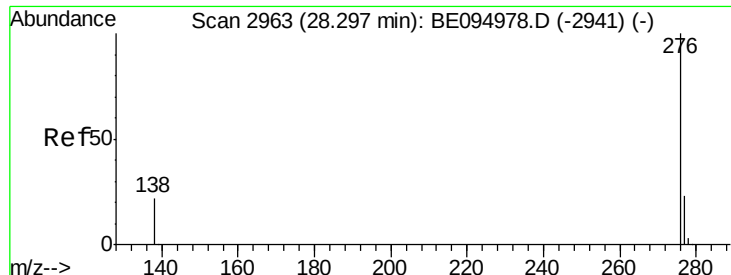
Ion Ratio Lower Upper

278 100

139 31.0 16.0 24.0#

279 37.2 20.0 30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.039 ng

RT: 28.30 min Scan# 2964

Delta R.T. 0.00 min

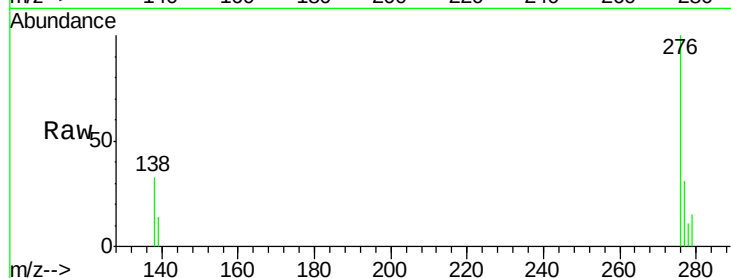
Lab File: BE094999.D

Acq: 15 Dec 2017 13:28

Instrument :

BNA_E

ClientSampleId :



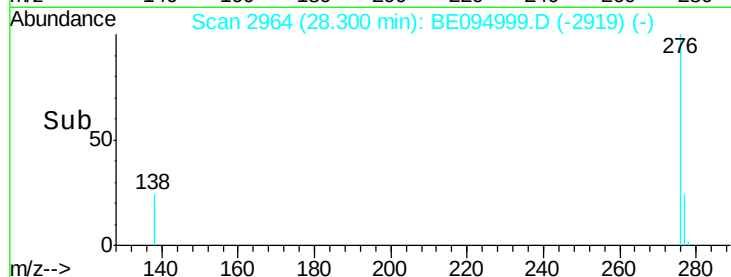
Tot Ion: 276 Resp: 2219

Ion Ratio Lower Upper

276 100

277 31.4 16.0 24.0#

138 32.9 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

