

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121517\
 Data File : BE095001.D
 Acq On : 15 Dec 2017 14:40
 Operator : SJ/JU
 Sample : I6876-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 15 16:32:39 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	7234	0.40	ng	0.00
7) Naphthalene-d8	11.31	136	15481	0.40	ng	-0.02
13) Acenaphthene-d10	15.05	164	8636	0.40	ng	-0.01
19) Phenanthrene-d10	17.76	188	20177	0.40	ng	-0.01
27) Chrysene-d12	21.85	240	23303	0.40	ng	-0.02
34) Perylene-d12	24.52	264	17840	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.95	112	1720	0.15	ng	0.00
5) Phenol-d6	7.59	99	1525	0.09	ng	0.00
8) Nitrobenzene-d5	9.65	82	5643	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.85	152	9506	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	16.52	330	835	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.70	172	15543	0.41	ng	0.00
25) Fluoranthene-d10	19.74	212	102038	0.39	ng	-0.01
29) Terphenyl-d14	20.30	244	20488	0.47	ng	-0.02

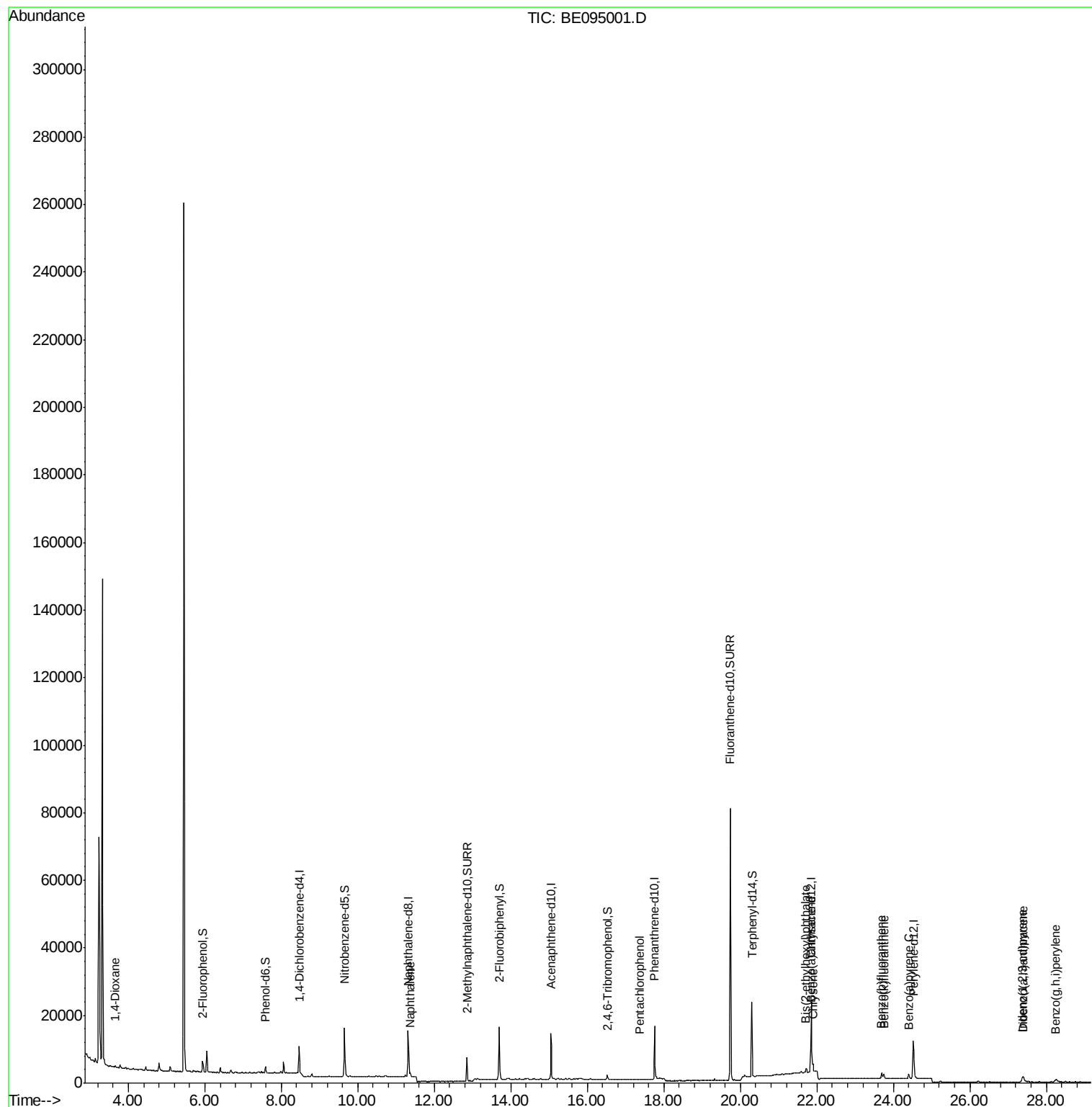
Target Compounds						Qvalue
2) 1,4-Dioxane	3.66	88	287	0.040	ng	# 41
9) Naphthalene	11.36	128	5593	0.031	ng	# 91
22) Pentachlorophenol	17.37	266	4	0.080	ng	# 95
30) Benzo(a)anthracene	21.84	228	2342	0.034	ng	# 66
31) Chrysene	21.90	228	3155	0.041	ng	# 68
32) Bis(2-ethylhexyl)phthalate	21.71	149	2397	0.028	ng	# 96
33) Indeno(1,2,3-cd)pyrene	27.37	276	2345	0.038	ng	# 97
35) Benzo(b)fluoranthene	23.69	252	2438	0.037	ng	# 85
36) Benzo(k)fluoranthene	23.75	252	2296	0.035	ng	# 68
37) Benzo(a)pyrene	24.40	252	2063	0.035	ng	# 57
38) Dibenzo(a,h)anthracene	27.40	278	1850	0.034	ng	# 84
39) Benzo(g,h,i)perylene	28.25	276	2018	0.038	ng	# 83

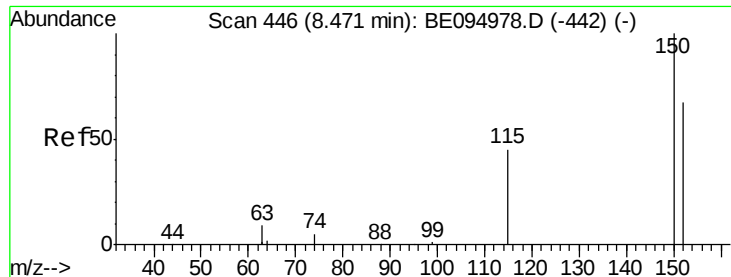
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

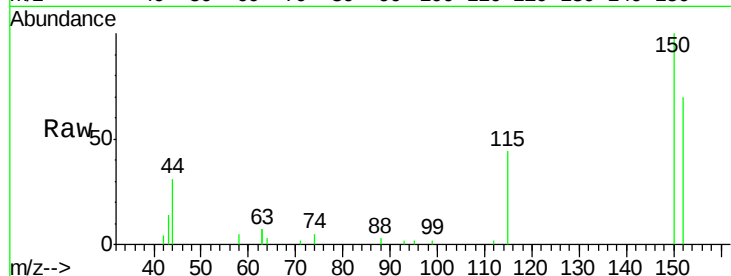
Tot Ion:152 Resp: 7234

Ion Ratio Lower Upper

152 100

150 143.5 117.2 175.8

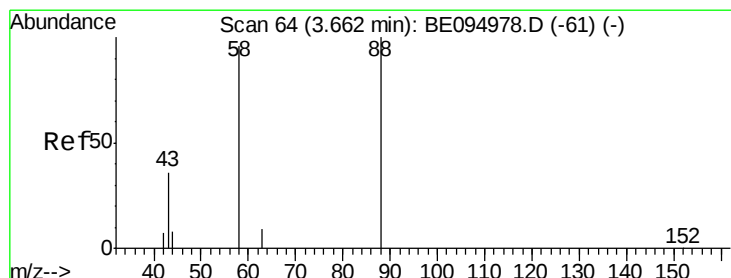
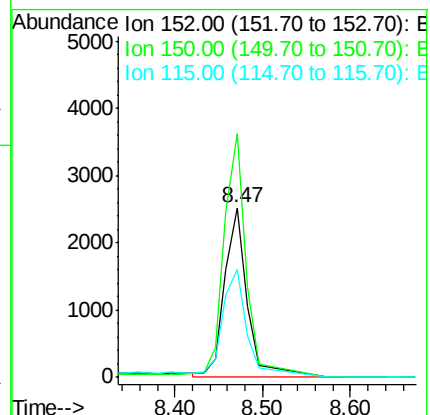
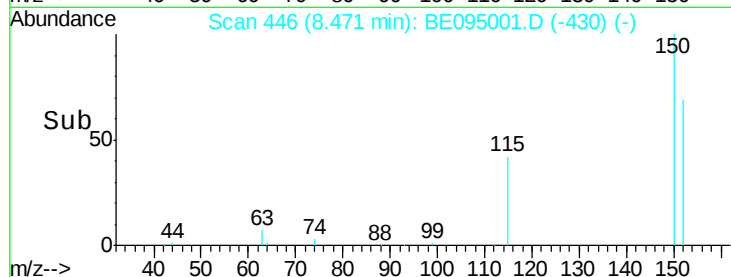
115 63.3 57.0 85.6



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: 0.040 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

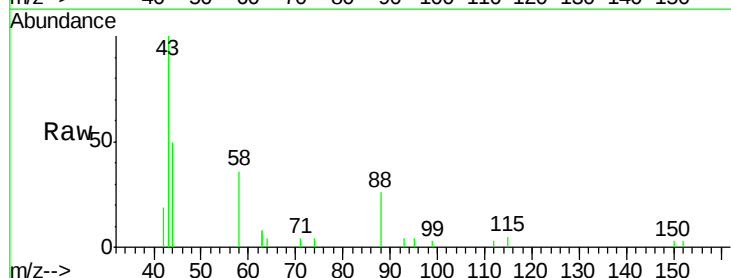
Tgt Ion: 88 Resp: 287

Ion Ratio Lower Upper

88 100

58 122.6 63.2 94.8#

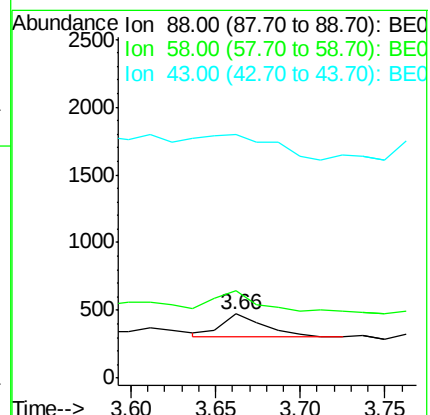
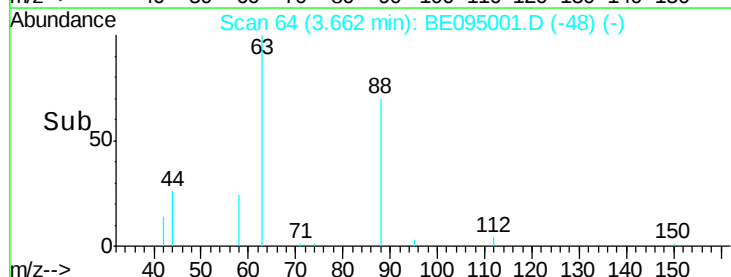
43 0.0 41.2 61.8#

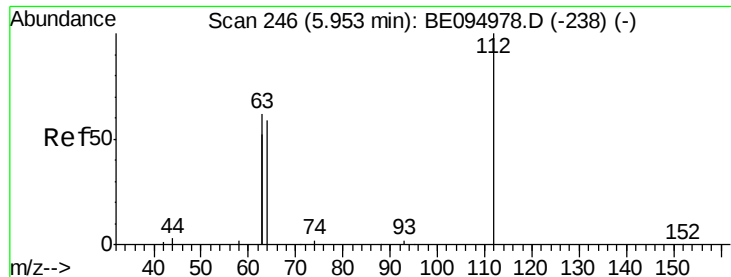


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.153 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampled :

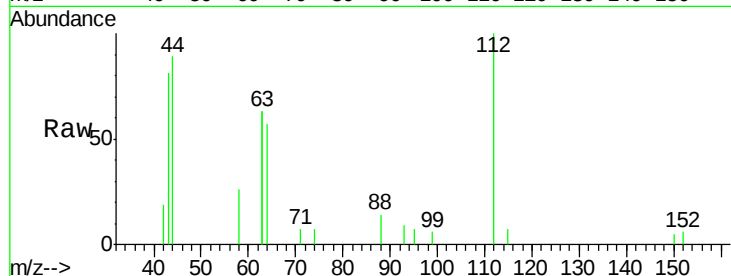
Tot Ion: 112 Resp: 1720

Ion Ratio Lower Upper

112 100

64 73.3 60.1 90.1

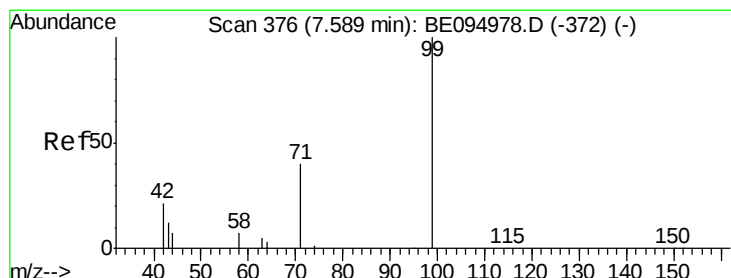
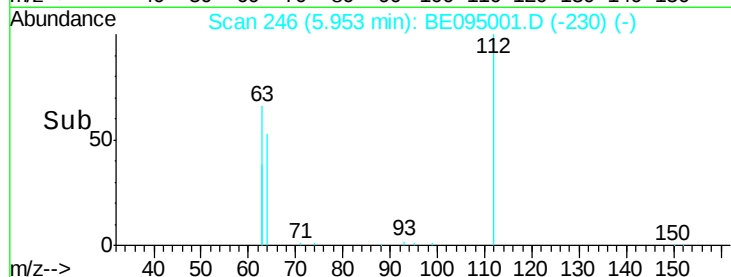
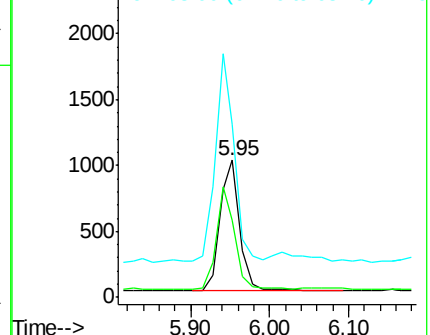
63 151.3 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE094978.D (-238) (-)

Ion 64.00 (63.70 to 64.70): BE094978.D (-238) (-)

Ion 63.00 (62.70 to 63.70): BE094978.D (-238) (-)



#5

Phenol-d6

Concen: 0.091 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

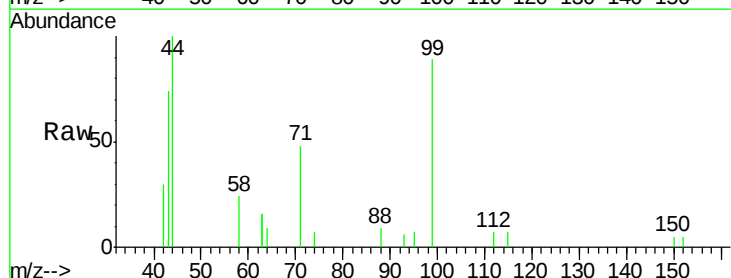
Tgt Ion: 99 Resp: 1525

Ion Ratio Lower Upper

99 100

42 25.8 20.2 30.2

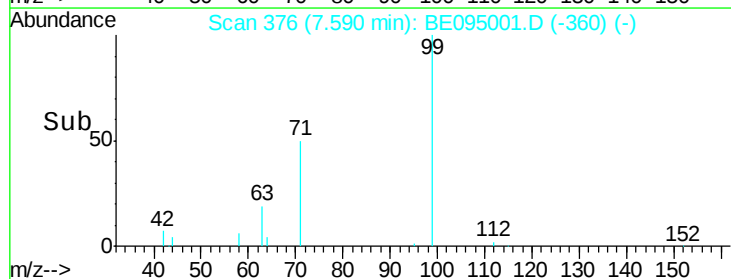
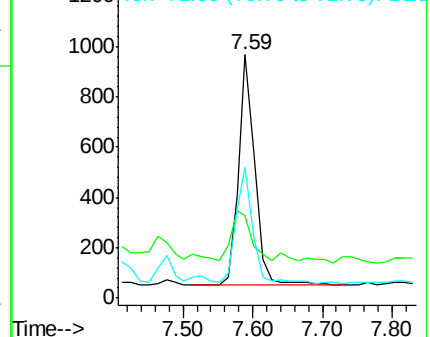
71 51.8 28.4 42.6#

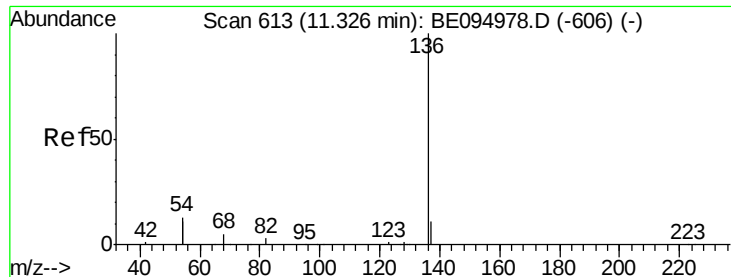


Abundance Ion 99.00 (98.70 to 99.70): BE094978.D (-372) (-)

Ion 42.00 (41.70 to 42.70): BE094978.D (-372) (-)

Ion 71.00 (70.70 to 71.70): BE094978.D (-372) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.02 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 15481

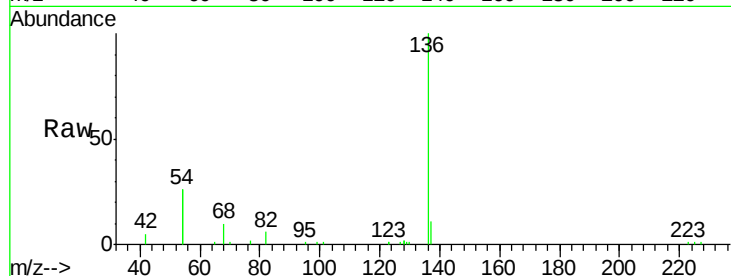
Ion Ratio Lower Upper

136 100

137 11.1 9.5 14.3

54 52.3 29.1 43.7#

68 10.4 6.2 9.2#

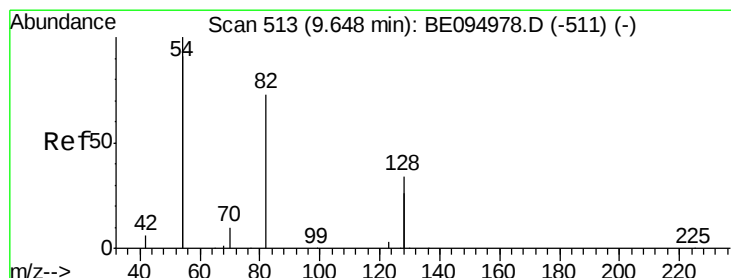
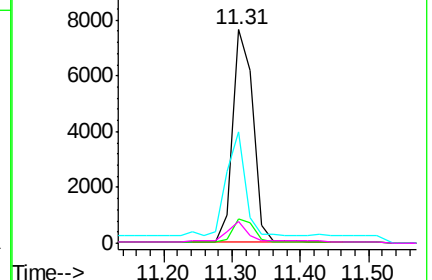
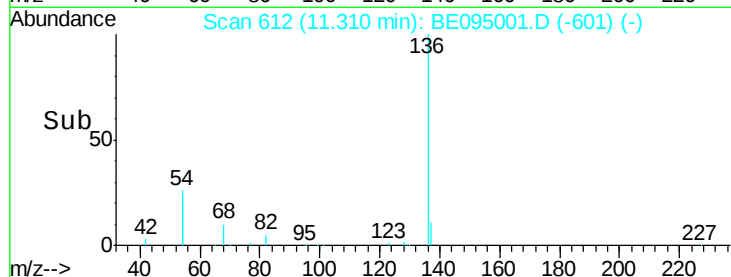


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.444 ng

RT: 9.65 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

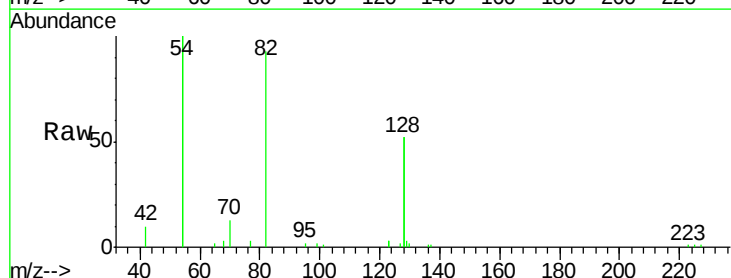
Tgt Ion: 82 Resp: 5643

Ion Ratio Lower Upper

82 100

128 111.1 150.0 225.0#

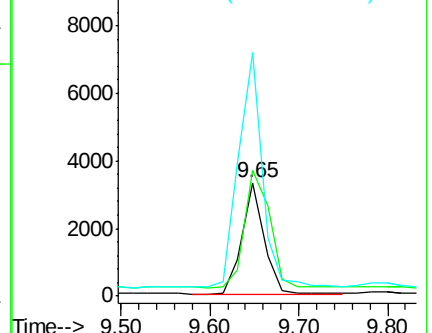
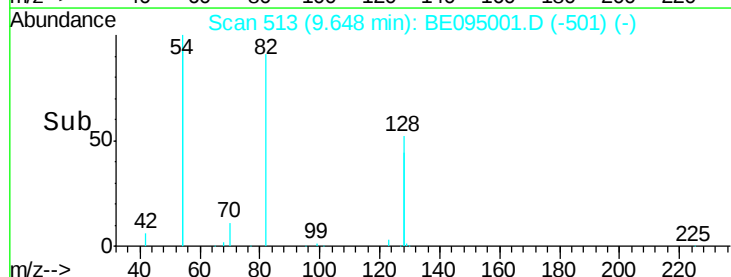
54 215.0 154.2 231.4

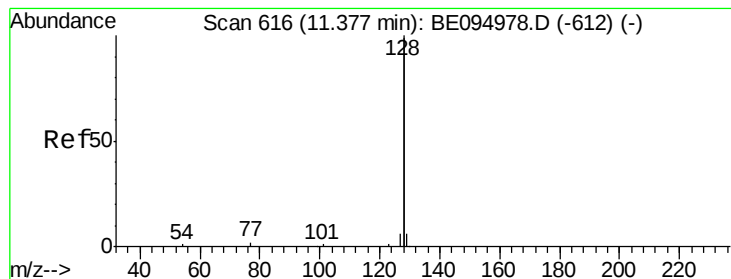


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.031 ng

RT: 11.36 min Scan# 615

Delta R.T. -0.02 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

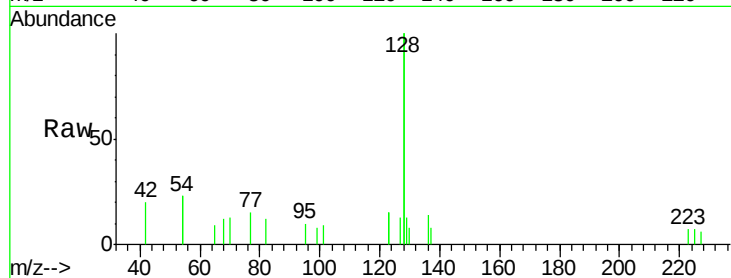
Tot Ion:128 Resp: 5593

Ion Ratio Lower Upper

128 100

129 6.3 2.6 3.8#

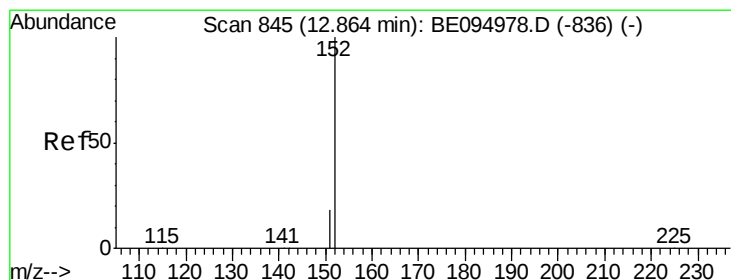
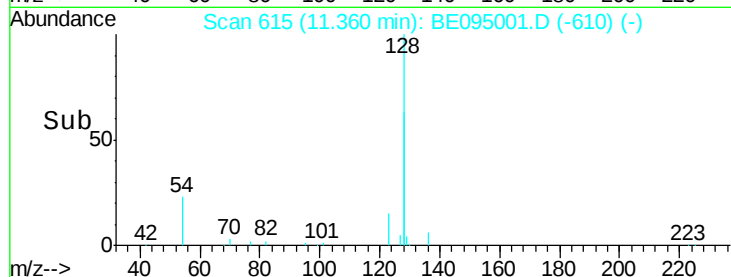
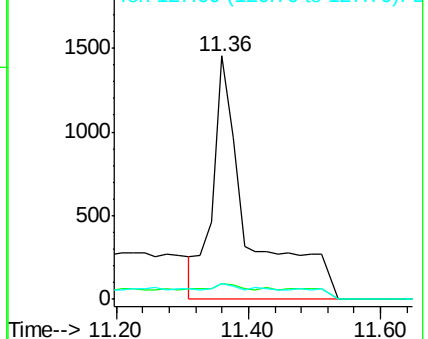
127 6.5 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

RT: 12.85 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE095001.D

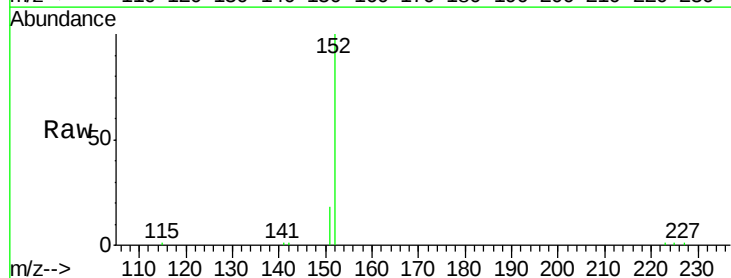
Acq: 15 Dec 2017 14:40

Tgt Ion:152 Resp: 9506

Ion Ratio Lower Upper

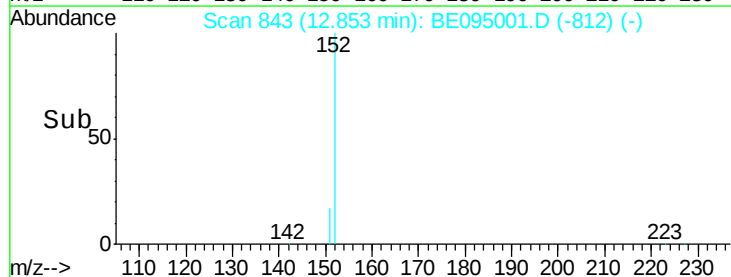
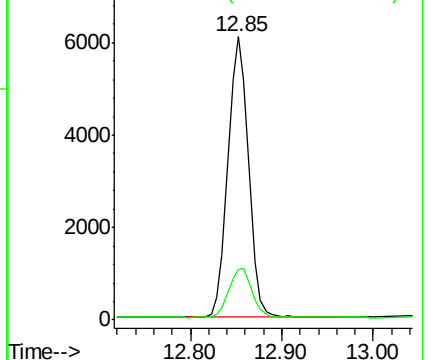
152 100

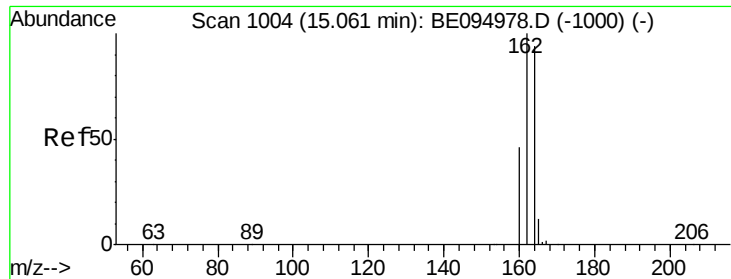
151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.05 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

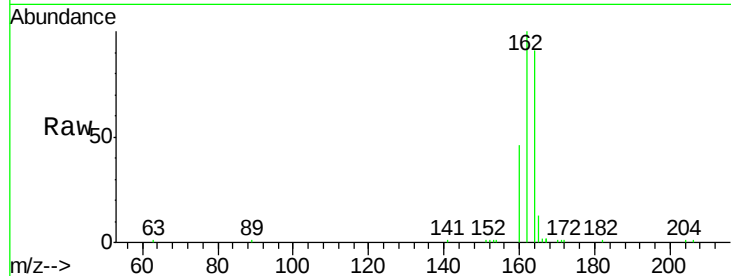
Tot Ion:164 Resp: 8636

Ion Ratio Lower Upper

164 100

162 109.9 83.1 124.7

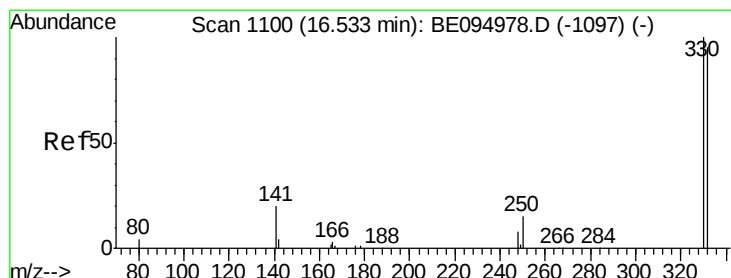
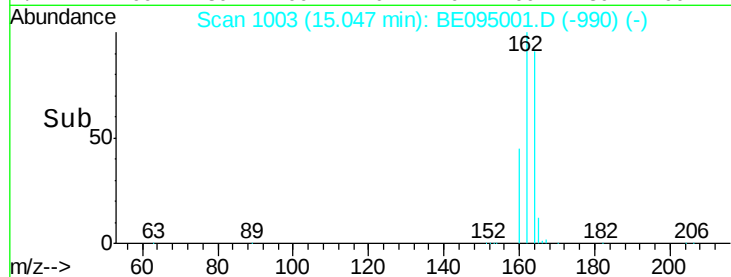
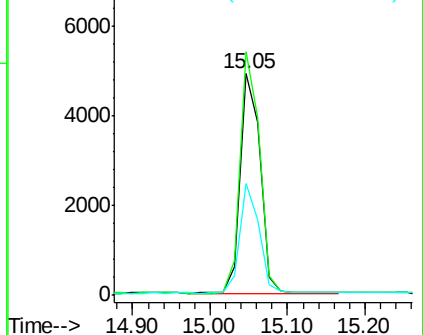
160 50.3 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.416 ng

RT: 16.52 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

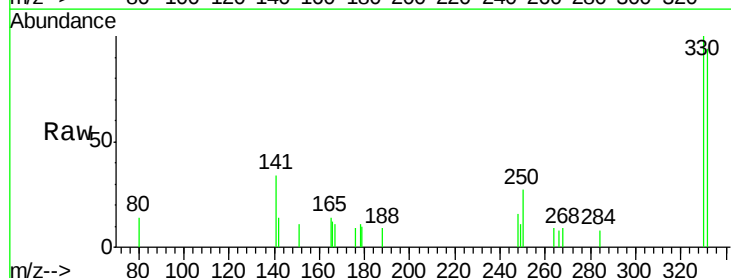
Tgt Ion:330 Resp: 835

Ion Ratio Lower Upper

330 100

332 94.5 152.7 229.1#

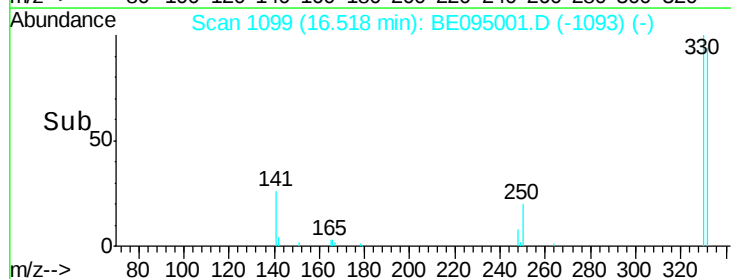
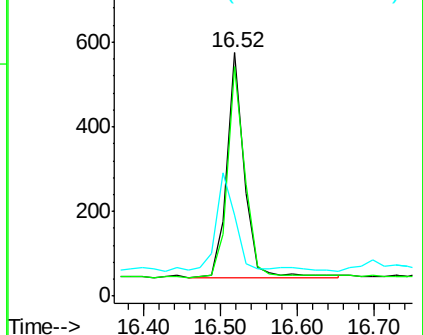
141 46.0 33.7 50.5

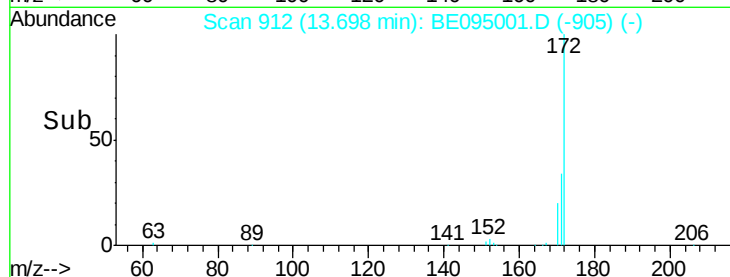
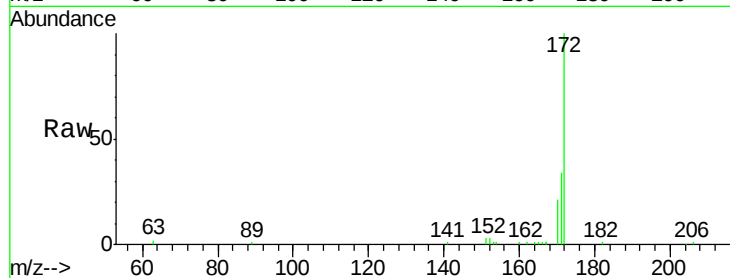
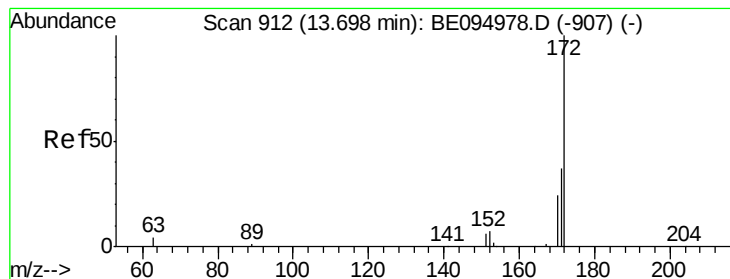


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.406 ng

RT: 13.70 min Scan# 912

Delta R.T. 0.00 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

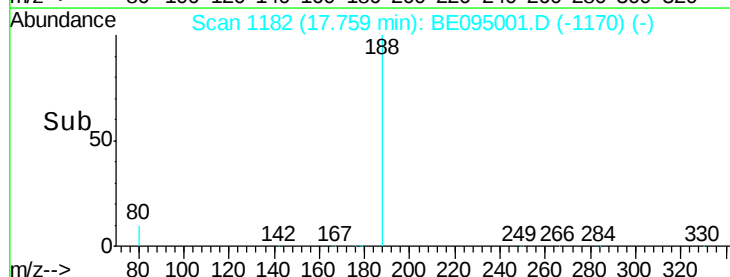
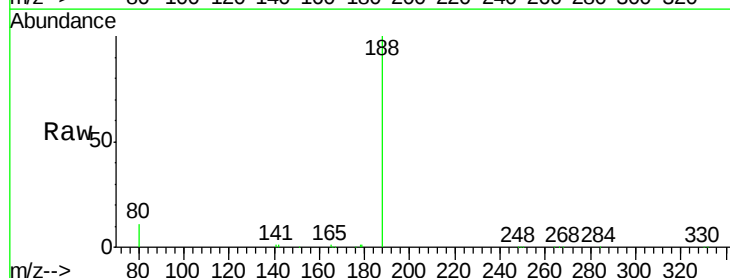
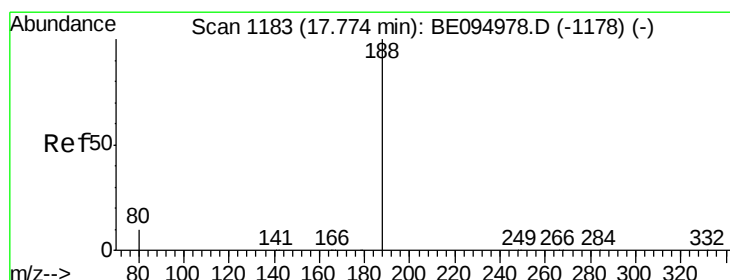
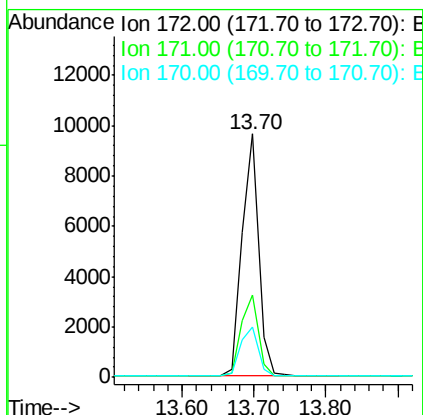
Tot Ion:172 Resp: 15543

Ion Ratio Lower Upper

172 100

171 34.0 29.9 44.9

170 20.7 21.8 32.8#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.76 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

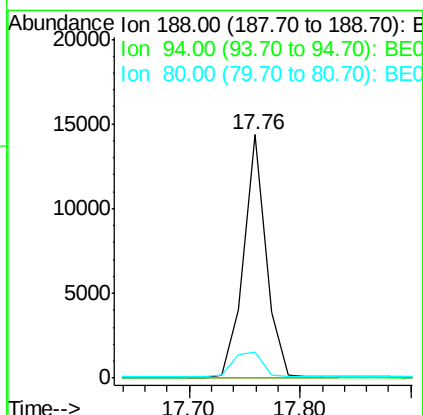
Tgt Ion:188 Resp: 20177

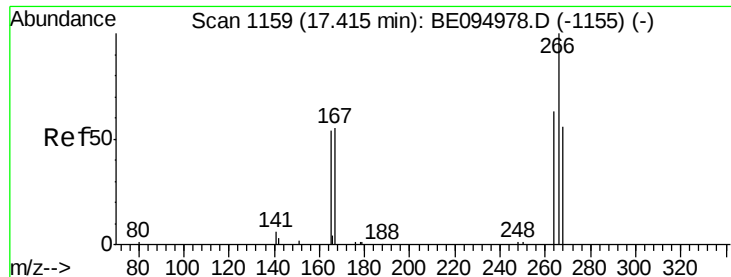
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 10.6 3.6 5.4#

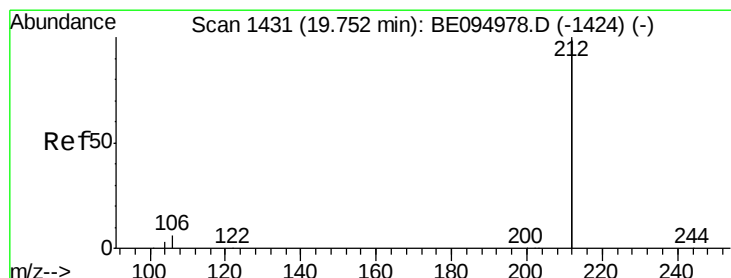
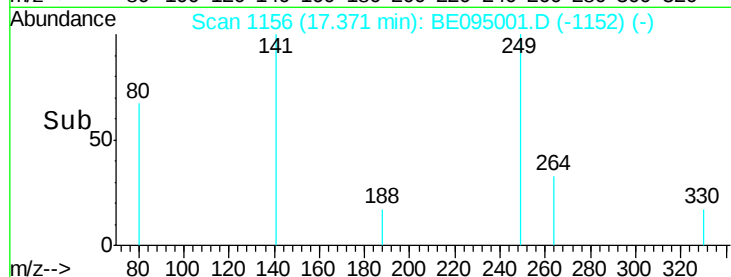
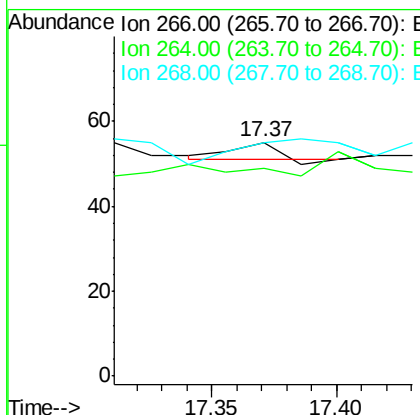
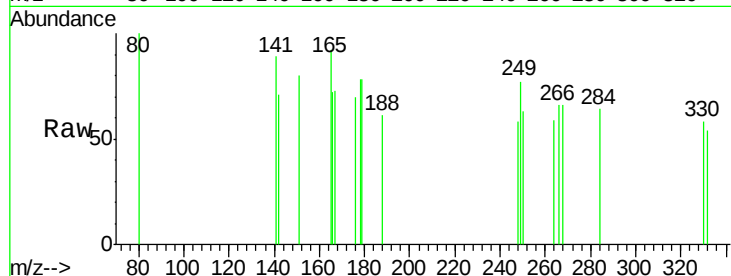




#22
 Pentachlorophenol
 Concen: 0.080 ng
 RT: 17.37 min Scan# 1156
 Delta R.T. -0.04 min
 Lab File: BE095001.D
 Acq: 15 Dec 2017 14:40

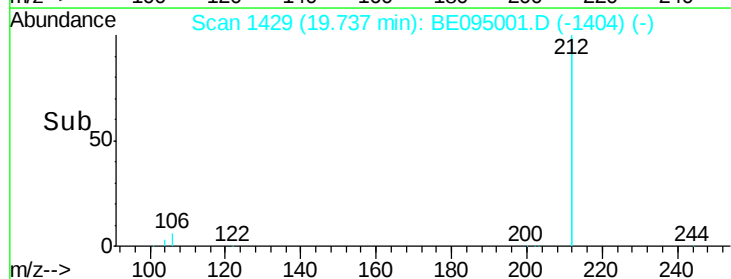
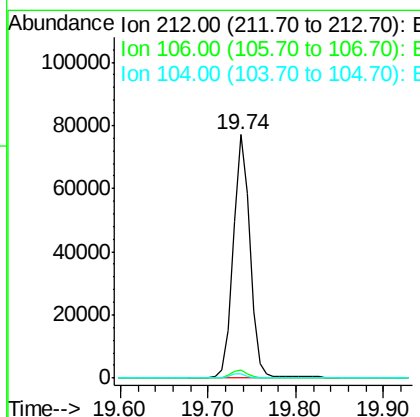
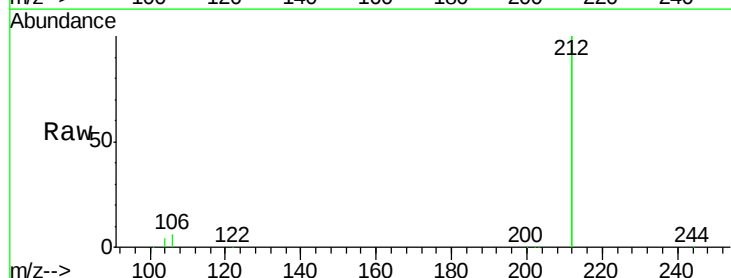
Instrument :
 BNA_E
 ClientSampleId :

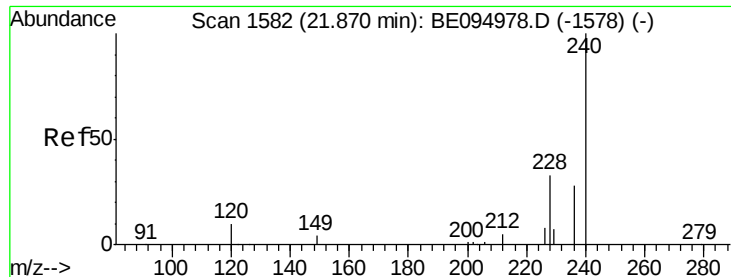
Tot Ion:266 Resp: 4
 Ion Ratio Lower Upper
 266 100
 264 89.1 72.5 108.7
 268 100.0 73.8 110.6



#25
 Fluoranthene-d10
 Concen: 0.390 ng
 RT: 19.74 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE095001.D
 Acq: 15 Dec 2017 14:40

Tgt Ion:212 Resp: 102038
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.8 4.2
 104 1.8 1.6 2.4

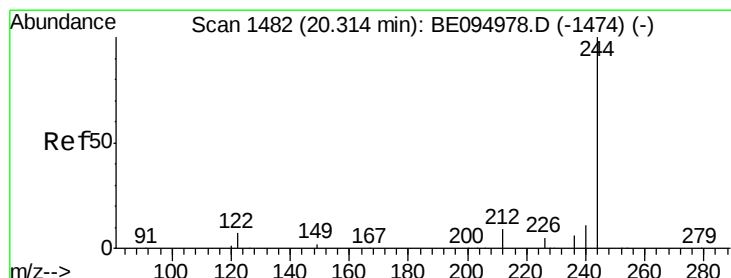
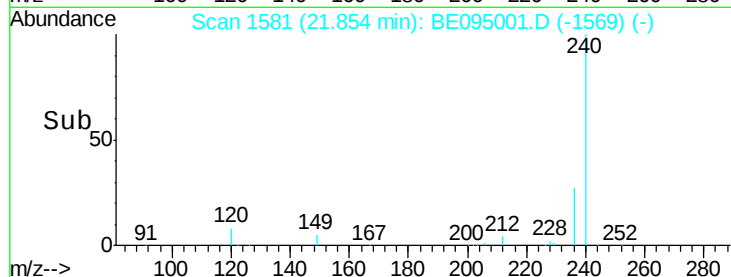
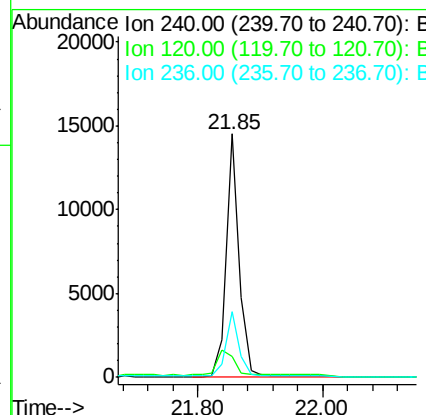
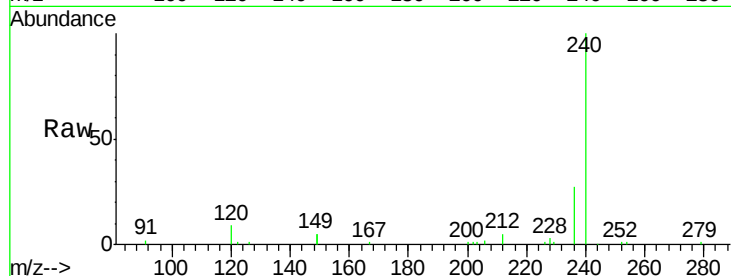




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.85 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BE095001.D
 Acq: 15 Dec 2017 14:40

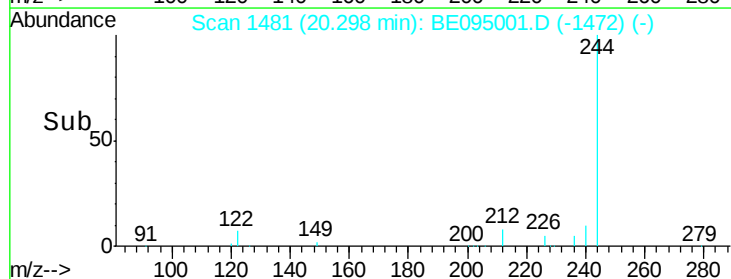
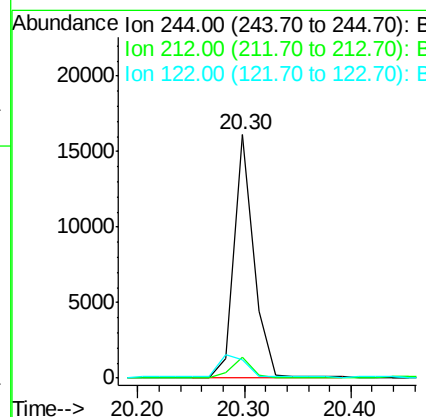
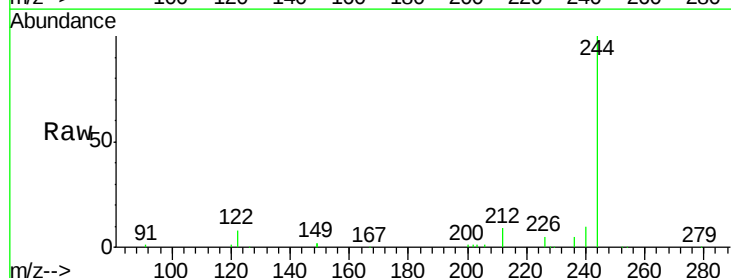
Instrument :
 BNA_E
 ClientSampleId :

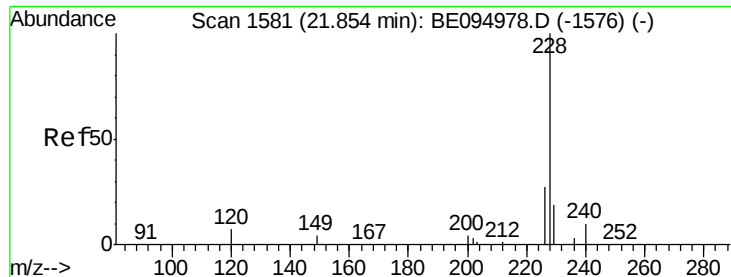
Tot Ion:240 Resp: 23303
 Ion Ratio Lower Upper
 240 100
 120 8.6 5.5 8.3#
 236 27.1 20.7 31.1



#29
 Terphenyl-d14
 Concen: 0.467 ng
 RT: 20.30 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BE095001.D
 Acq: 15 Dec 2017 14:40

Tgt Ion:244 Resp: 20488
 Ion Ratio Lower Upper
 244 100
 212 8.7 25.4 38.0#
 122 7.7 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.034 ng

RT: 21.84 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

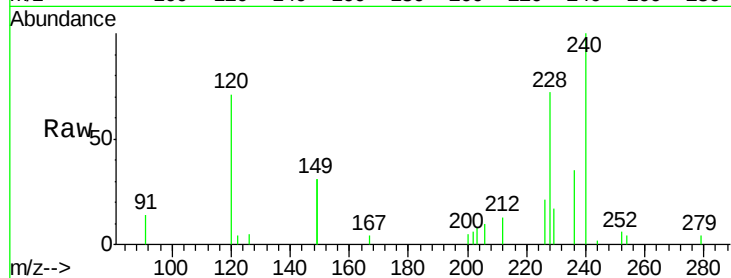
Tot Ion:228 Resp: 2342

Ion Ratio Lower Upper

228 100

226 29.6 40.0 60.0#

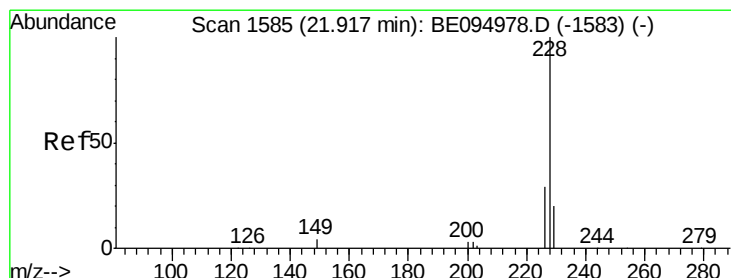
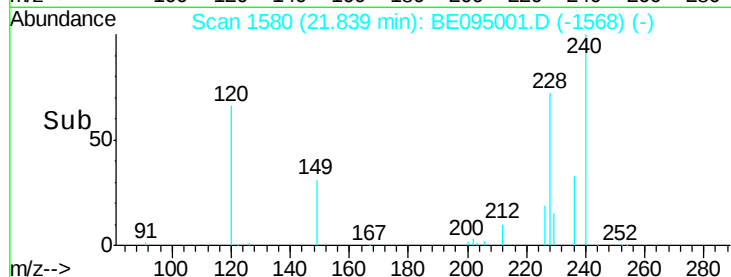
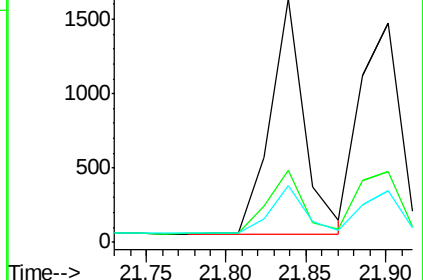
229 23.4 40.0 60.0#



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: 0.041 ng

RT: 21.90 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

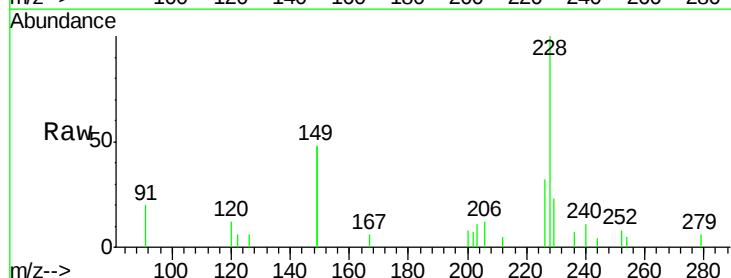
Tgt Ion:228 Resp: 3155

Ion Ratio Lower Upper

228 100

226 32.5 40.0 60.0#

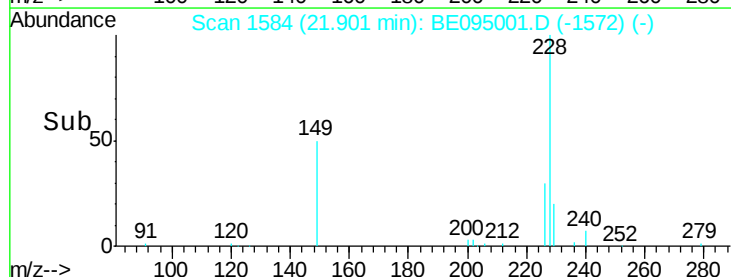
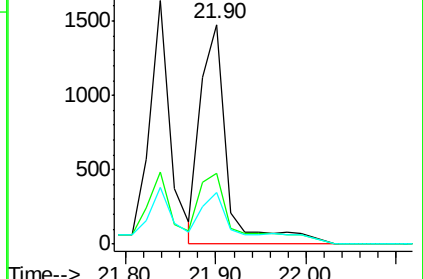
229 23.4 40.0 60.0#

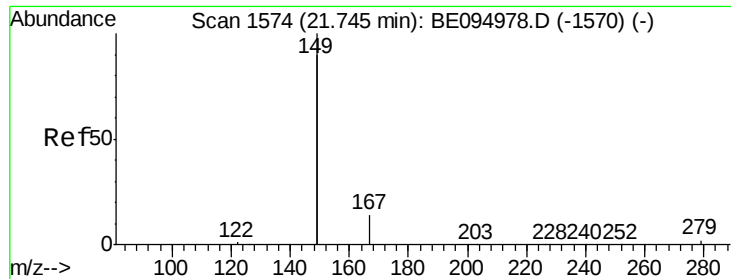


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

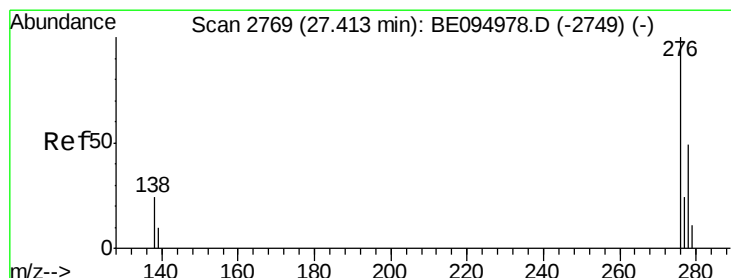
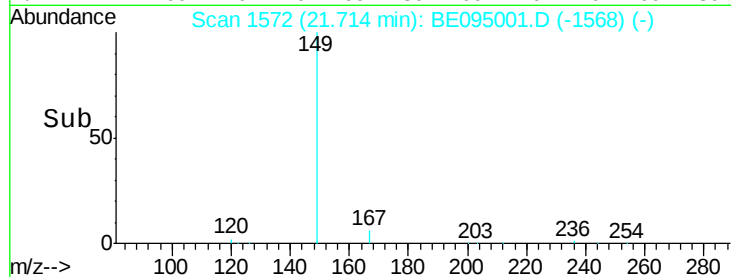
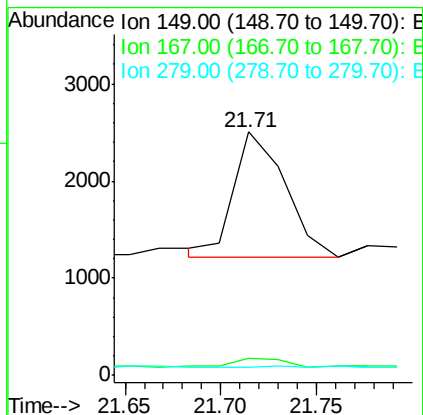
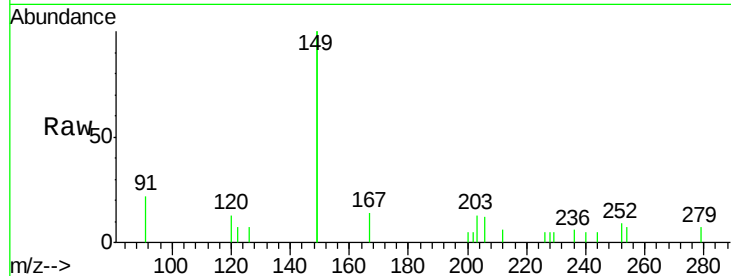




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.028 ng
 RT: 21.71 min Scan# 1572
 Delta R.T. -0.03 min
 Lab File: BE095001.D
 Acq: 15 Dec 2017 14:40

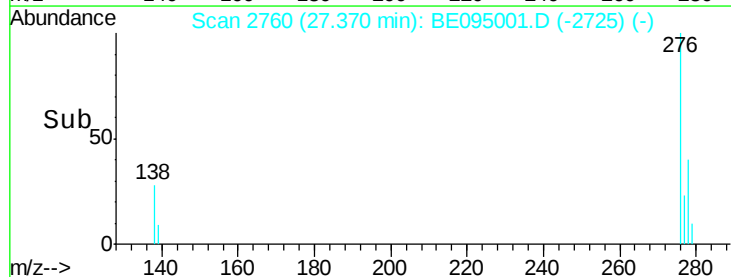
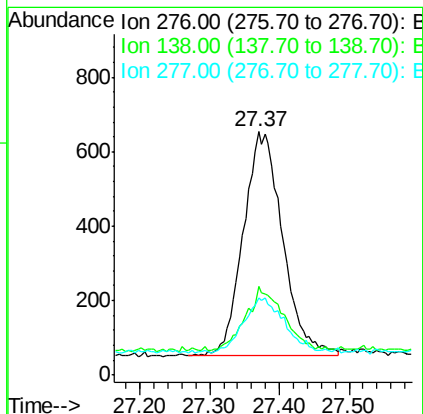
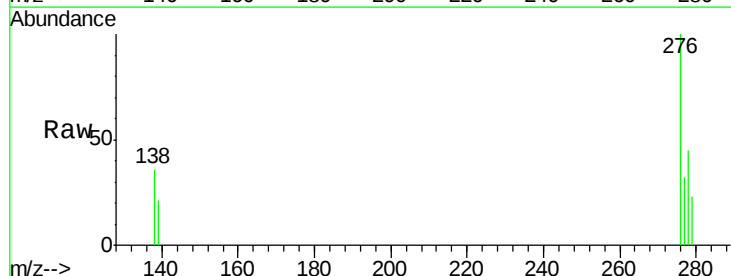
Instrument :
 BNA_E
 ClientSampleId :

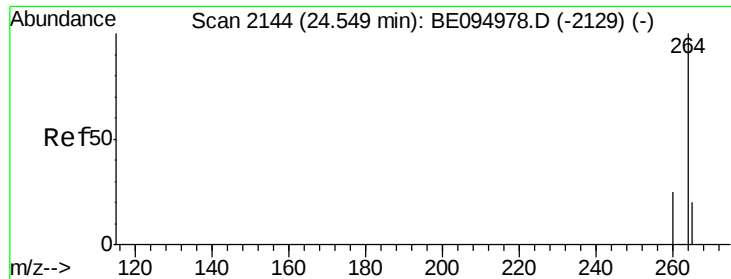
Tot Ion:149 Resp: 2397
 Ion Ratio Lower Upper
 149 100
 167 8.0 5.4 8.0
 279 0.0 0.7 1.1#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.038 ng
 RT: 27.37 min Scan# 2760
 Delta R.T. -0.04 min
 Lab File: BE095001.D
 Acq: 15 Dec 2017 14:40

Tgt Ion:276 Resp: 2345
 Ion Ratio Lower Upper
 276 100
 138 26.7 22.5 33.7
 277 26.2 19.9 29.9

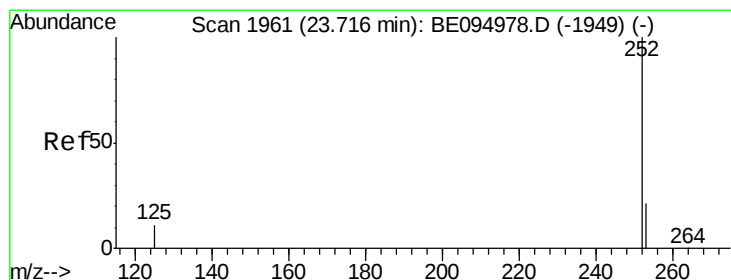
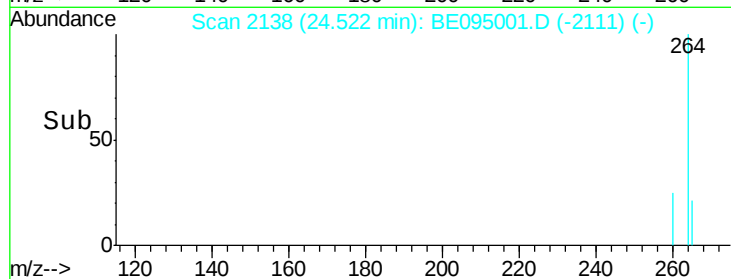
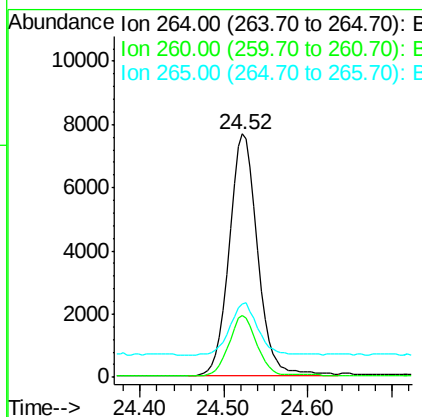
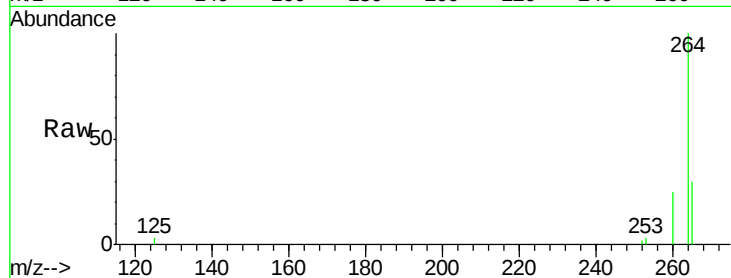




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.52 min Scan# 2138
Delta R.T. -0.03 min
Lab File: BE095001.D
Acq: 15 Dec 2017 14:40

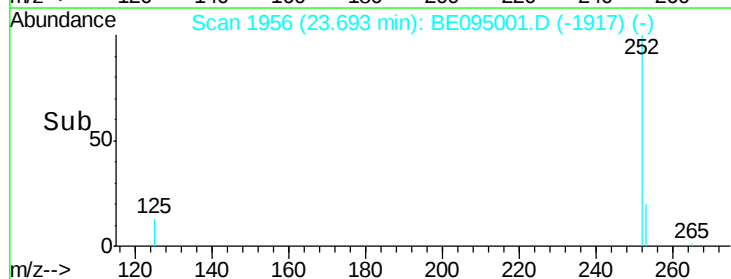
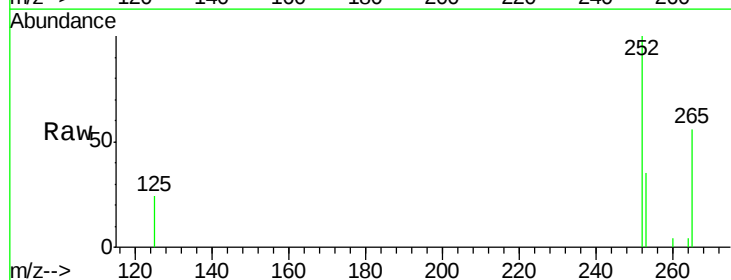
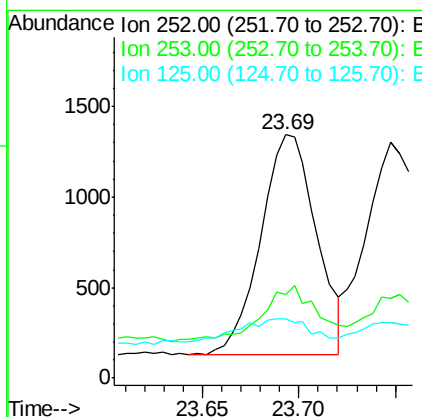
Instrument :
BNA_E
ClientSampleId :

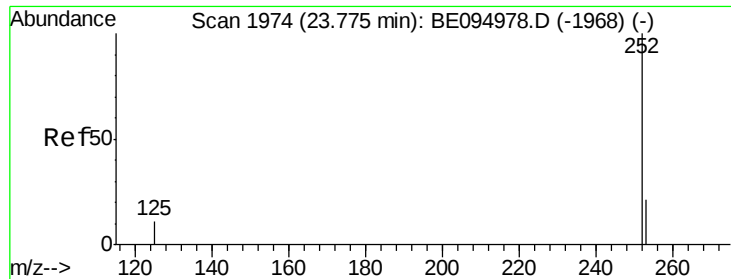
Tot Ion:264 Resp: 17840
Ion Ratio Lower Upper
264 100
260 25.3 20.5 30.7
265 29.9 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 0.037 ng
RT: 23.69 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BE095001.D
Acq: 15 Dec 2017 14:40

Tgt Ion:252 Resp: 2438
Ion Ratio Lower Upper
252 100
253 34.6 20.0 30.0#
125 24.4 16.0 24.0#





#36

Benzo(k)fluoranthene

Concen: 0.035 ng

RT: 23.75 min Scan# 1968

Delta R.T. -0.03 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

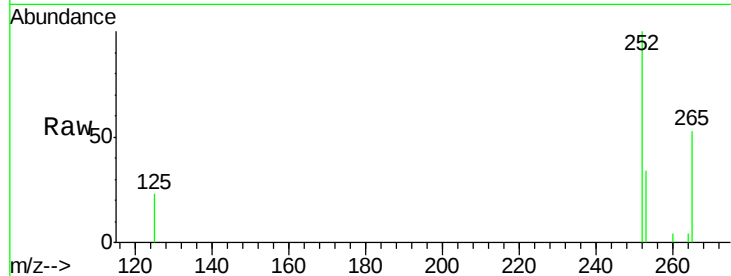
Tot Ion:252 Resp: 2296

Ion Ratio Lower Upper

252 100

253 33.9 16.0 24.0#

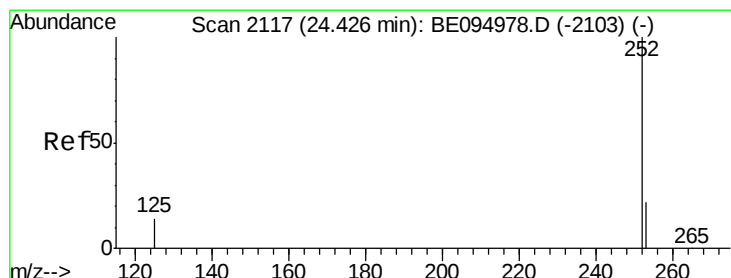
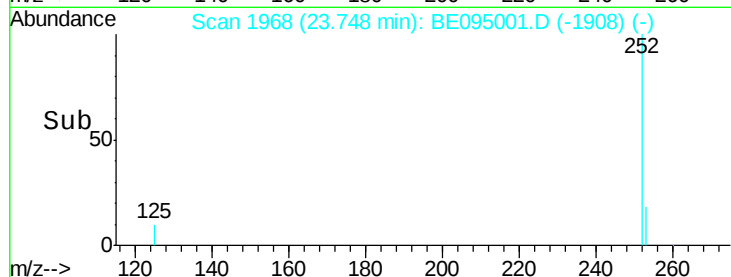
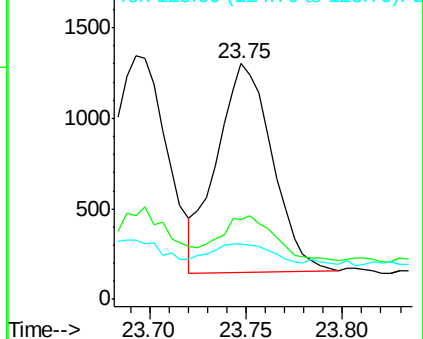
125 23.3 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.035 ng

RT: 24.40 min Scan# 2112

Delta R.T. -0.02 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

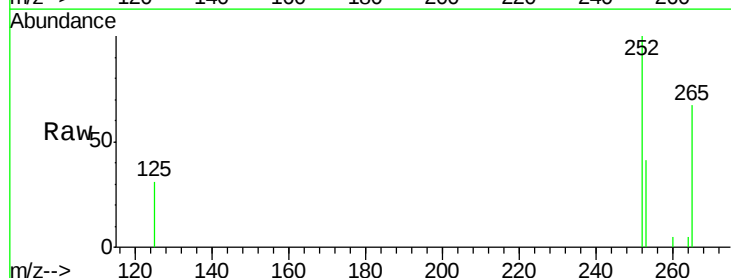
Tgt Ion:252 Resp: 2063

Ion Ratio Lower Upper

252 100

253 41.1 16.0 24.0#

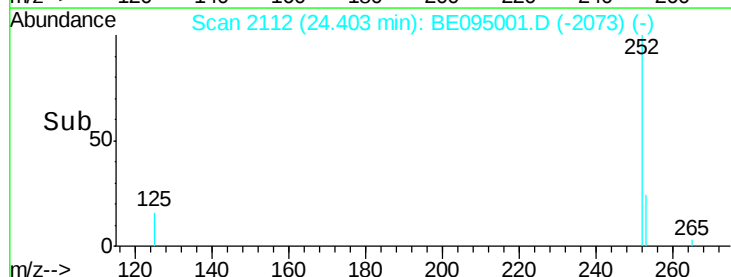
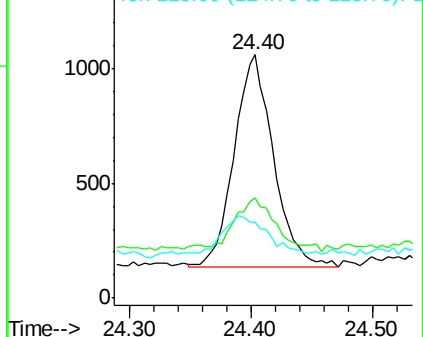
125 31.3 12.0 18.0#

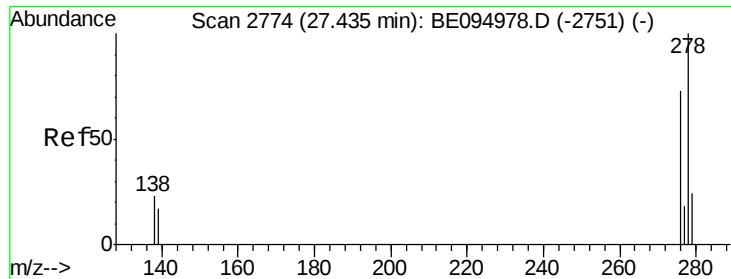


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.034 ng

RT: 27.40 min Scan# 2767

Delta R.T. -0.03 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

Instrument :

BNA_E

ClientSampleId :

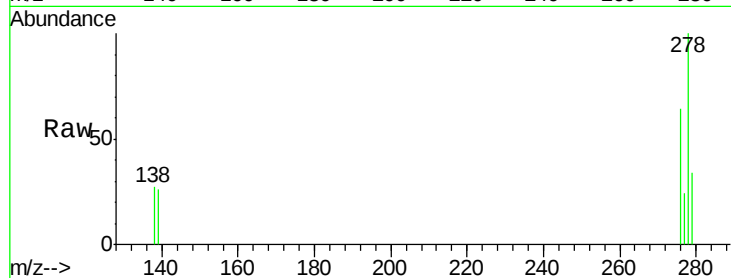
Tot Ion:278 Resp: 1850

Ion Ratio Lower Upper

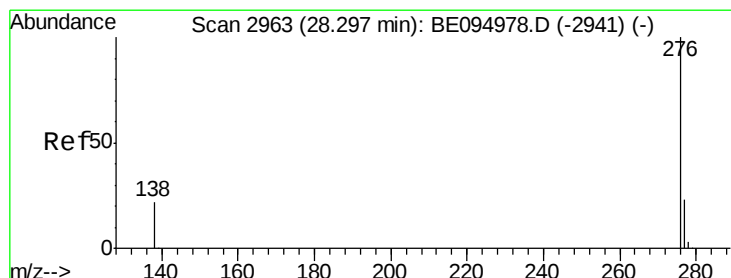
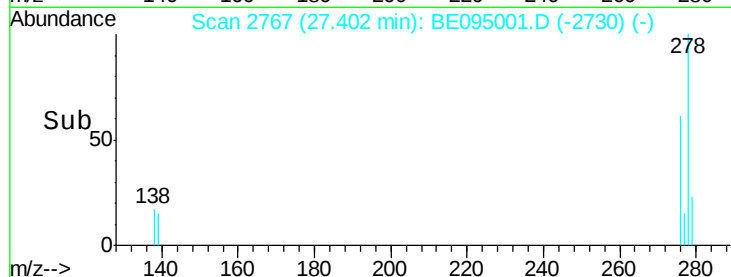
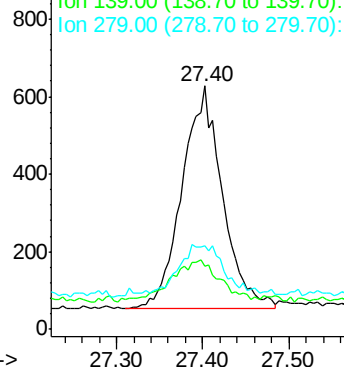
278 100

139 26.0 16.0 24.0#

279 34.4 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: 0.038 ng

RT: 28.25 min Scan# 2954

Delta R.T. -0.04 min

Lab File: BE095001.D

Acq: 15 Dec 2017 14:40

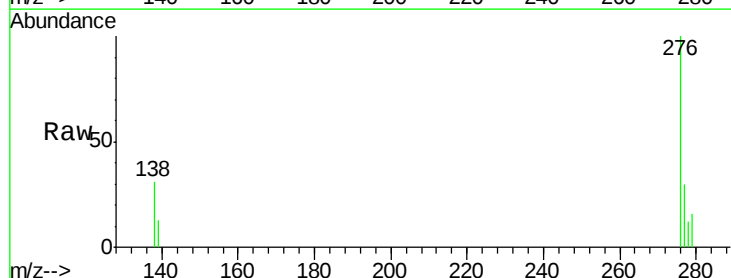
Tgt Ion:276 Resp: 2018

Ion Ratio Lower Upper

276 100

277 30.3 16.0 24.0#

138 31.0 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

