

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121417\
 Data File : BE094990.D
 Acq On : 14 Dec 2017 23:08
 Operator : SJ/JU
 Sample : I6876-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-171211

Quant Time: Dec 15 08:13:37 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	6727	0.40	ng	0.00
7) Naphthalene-d8	11.33	136	14459	0.40	ng	0.00
13) Acenaphthene-d10	15.06	164	7978	0.40	ng	0.00
19) Phenanthrene-d10	17.77	188	18963	0.40	ng	0.00
27) Chrysene-d12	21.87	240	21540	0.40	ng	0.00
34) Perylene-d12	24.55	264	17983	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.95	112	1636	0.16	ng	0.00
5) Phenol-d6	7.59	99	1403	0.09	ng	0.00
8) Nitrobenzene-d5	9.65	82	5112	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.86	152	8837	0.37	ng	0.00
14) 2,4,6-Tribromophenol	16.53	330	745	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.70	172	14360	0.41	ng	0.00
25) Fluoranthene-d10	19.75	212	95838	0.39	ng	0.00
29) Terphenyl-d14	20.31	244	19402	0.48	ng	0.00

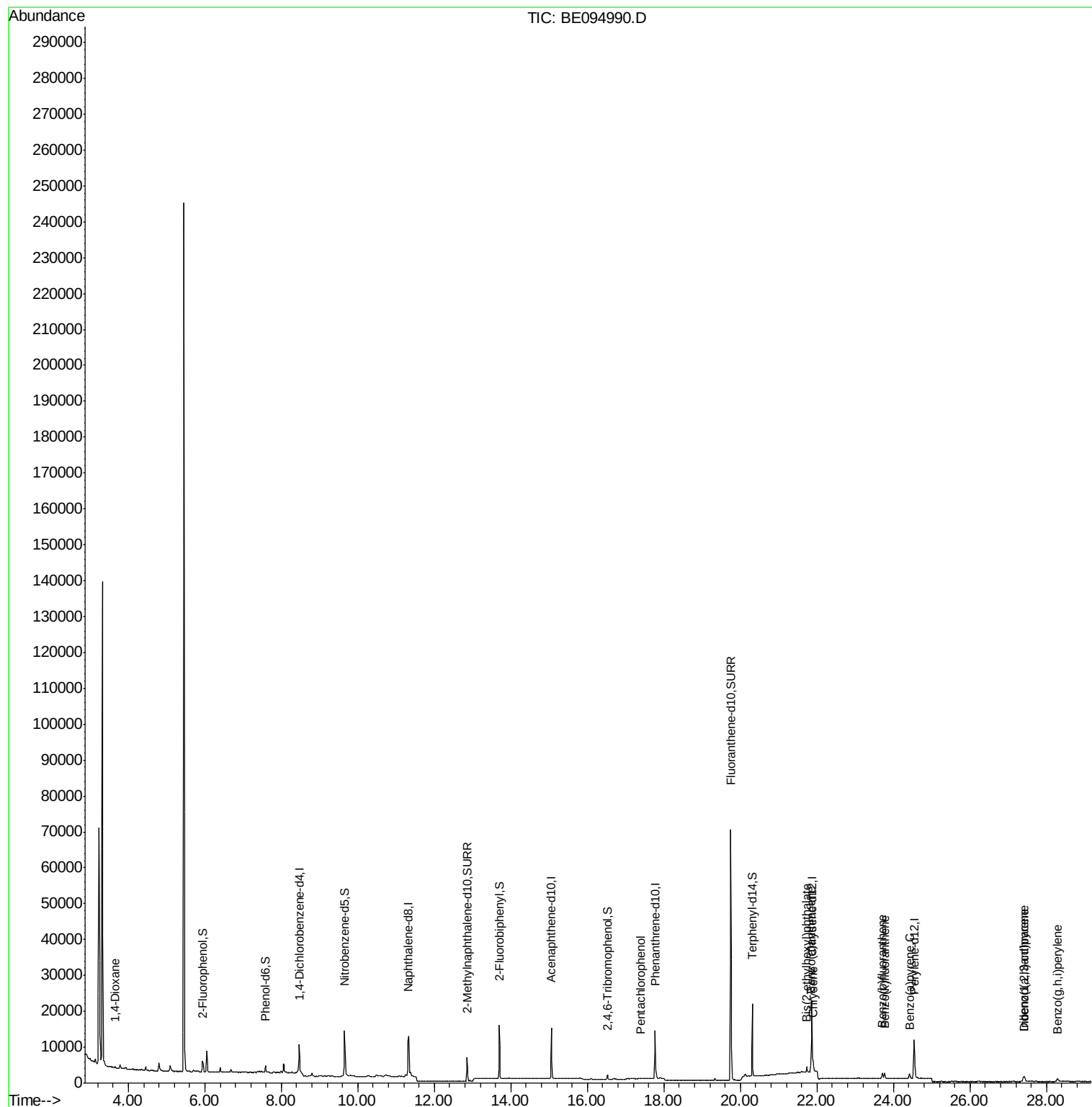
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	314	0.047	ng	# 12
22) Pentachlorophenol	17.38	266	16	0.085	ng	# 93
30) Benzo(a)anthracene	21.85	228	2444	0.039	ng	# 65
31) Chrysene	21.90	228	2924	0.041	ng	# 69
32) Bis(2-ethylhexyl)phthalate	21.73	149	2116	0.026	ng	# 96
33) Indeno(1,2,3-cd)pyrene	27.41	276	2352	0.041	ng	# 100
35) Benzo(b)fluoranthene	23.71	252	2417	0.037	ng	# 82
36) Benzo(k)fluoranthene	23.77	252	2301	0.034	ng	# 60
37) Benzo(a)pyrene	24.42	252	2036	0.035	ng	# 52
38) Dibenzo(a,h)anthracene	27.43	278	1868	0.034	ng	# 79
39) Benzo(g,h,i)perylene	28.29	276	2034	0.038	ng	# 82

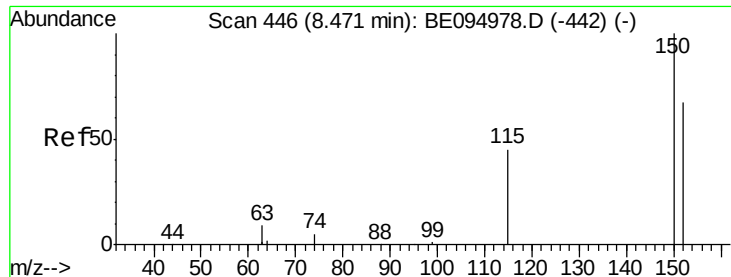
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121417\
Data File : BE094990.D
Acq On : 14 Dec 2017 23:08
Operator : SJ/JU
Sample : I6876-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
KY038PS034-171211

Quant Time: Dec 15 08:13:37 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.47 min Scan# 446

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

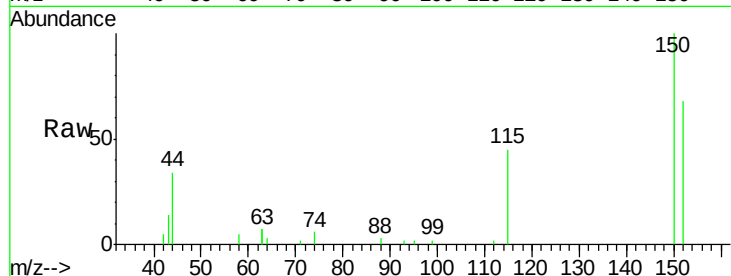
Tgt Ion: 152 Resp: 6727

Ion Ratio Lower Upper

152 100

150 148.0 117.2 175.8

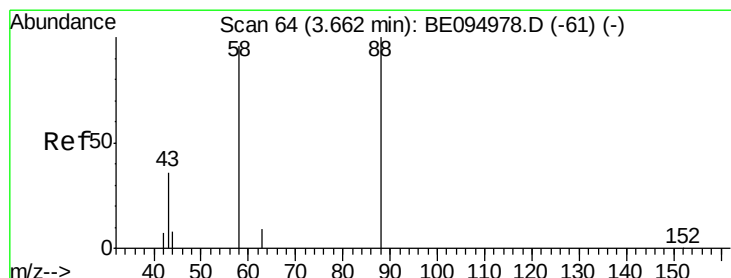
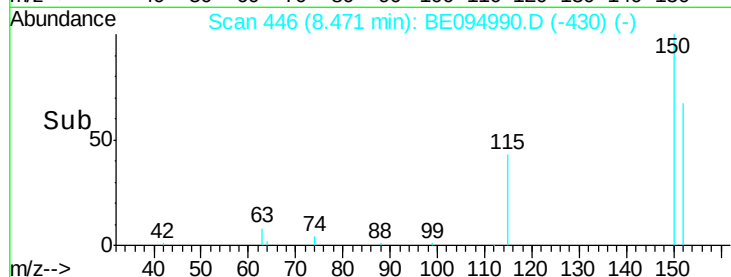
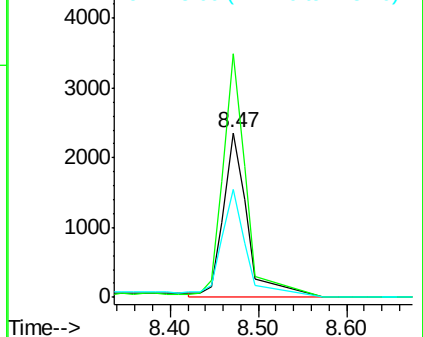
115 65.9 57.0 85.6



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: 0.047 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

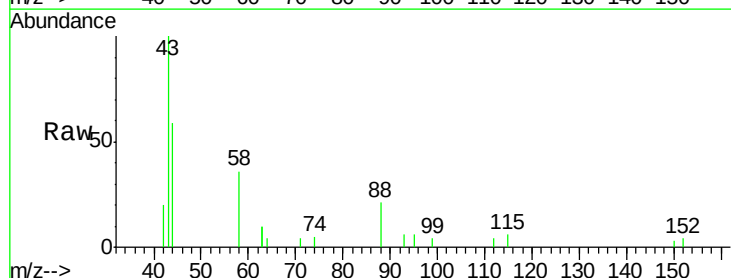
Tgt Ion: 88 Resp: 314

Ion Ratio Lower Upper

88 100

58 164.6 63.2 94.8#

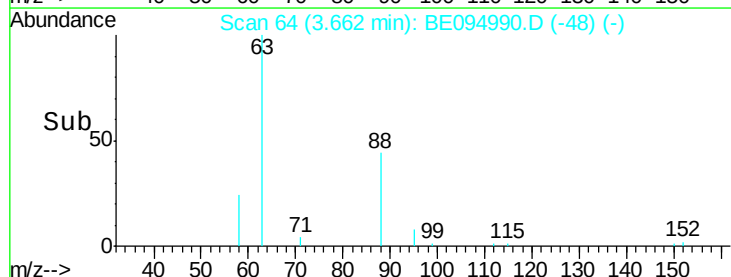
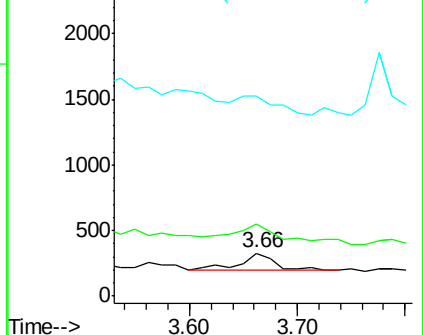
43 0.0 41.2 61.8#

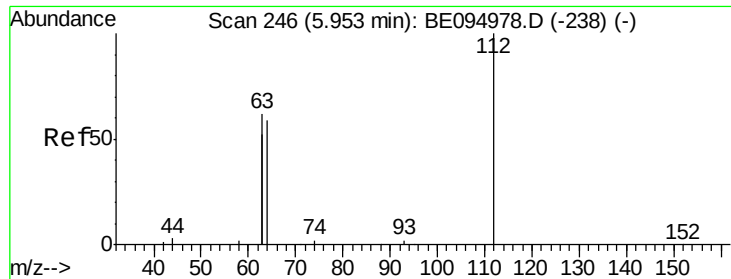


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.157 ng

RT: 5.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

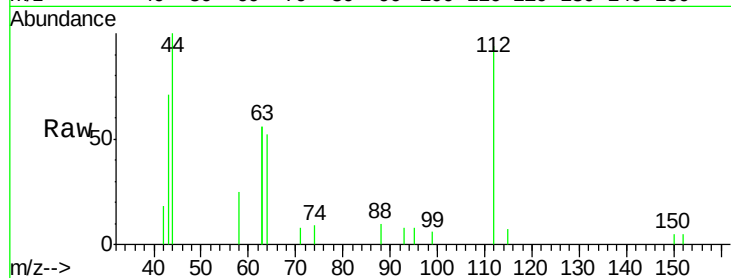
Tgt Ion: 112 Resp: 1636

Ion Ratio Lower Upper

112 100

64 74.8 60.1 90.1

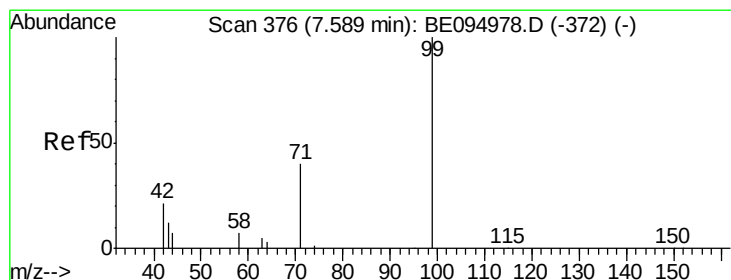
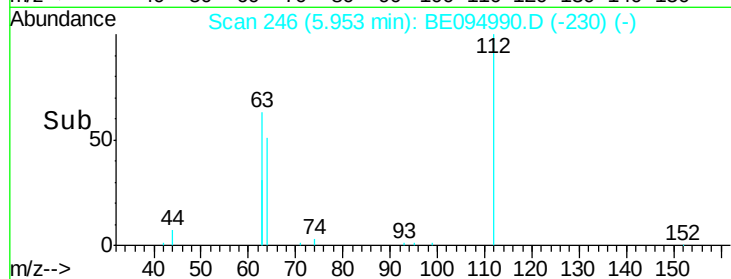
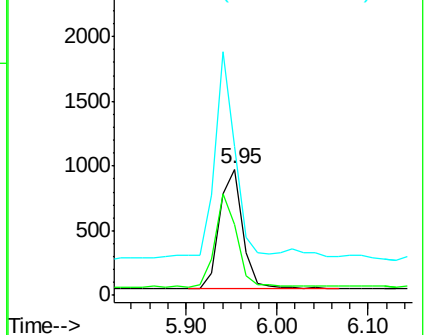
63 152.8 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.090 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

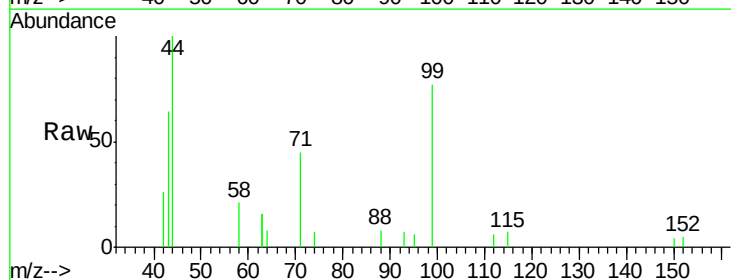
Tgt Ion: 99 Resp: 1403

Ion Ratio Lower Upper

99 100

42 29.5 20.2 30.2

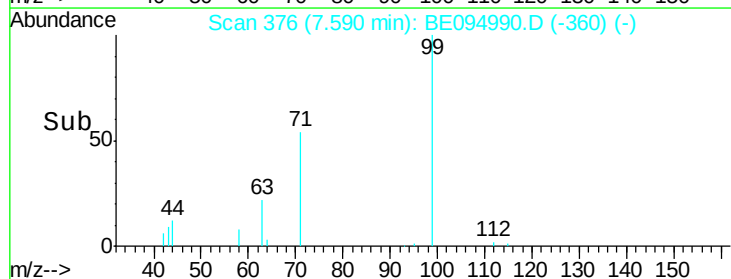
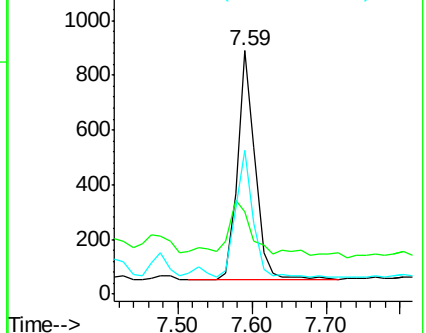
71 54.9 28.4 42.6#

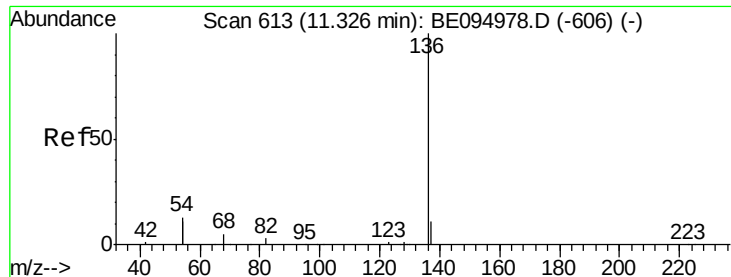


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

Tgt Ion:136 Resp: 14459

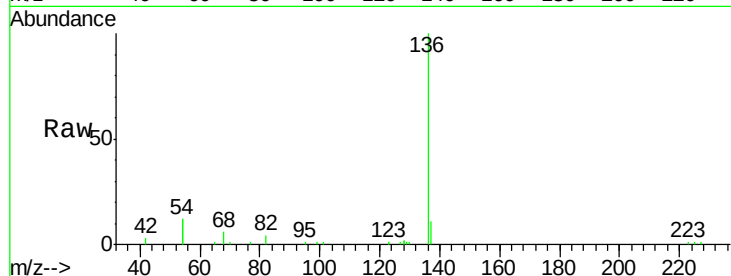
Ion Ratio Lower Upper

136 100

137 11.2 9.5 14.3

54 23.4 29.1 43.7#

68 5.6 6.2 9.2#



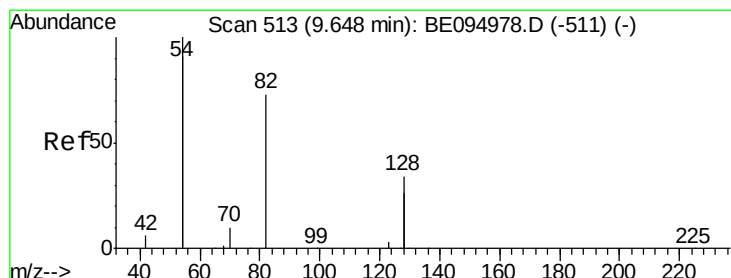
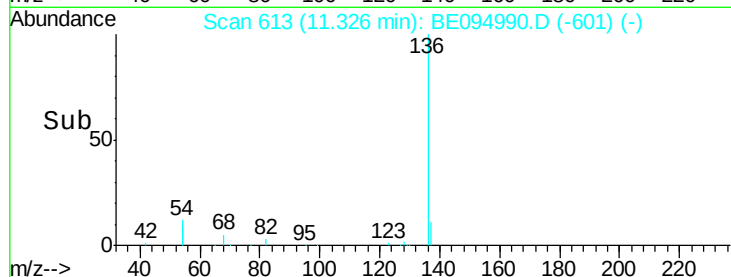
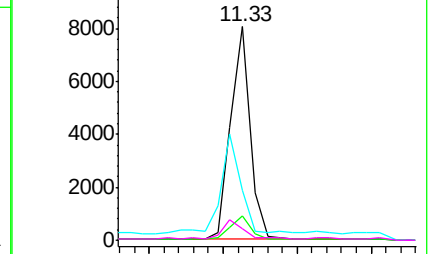
Abundance

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: 0.431 ng

RT: 9.65 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

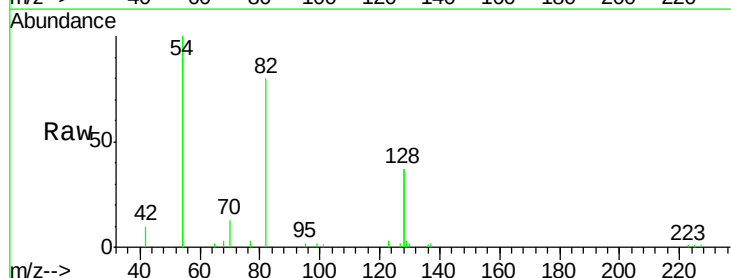
Tgt Ion: 82 Resp: 5112

Ion Ratio Lower Upper

82 100

128 93.5 150.0 225.0#

54 250.9 154.2 231.4#

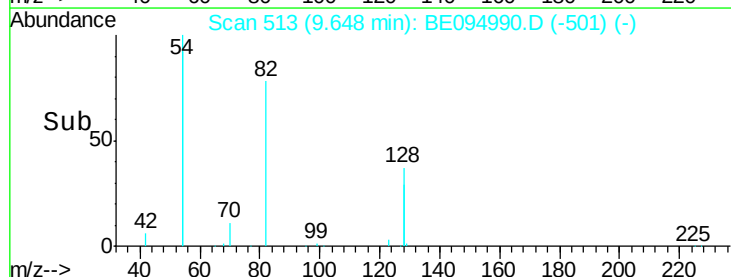
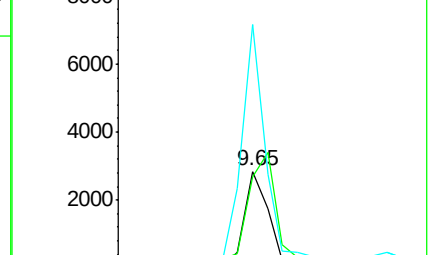


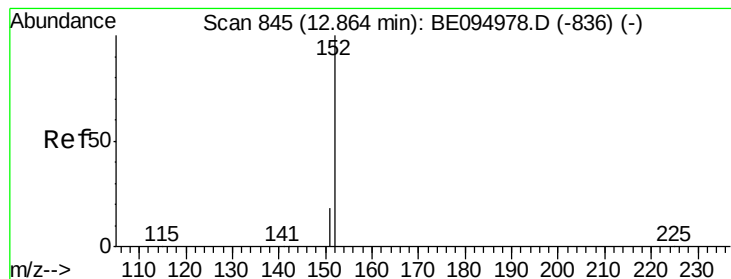
Abundance

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





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 12.86 min Scan# 844

Delta R.T. -0.01 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

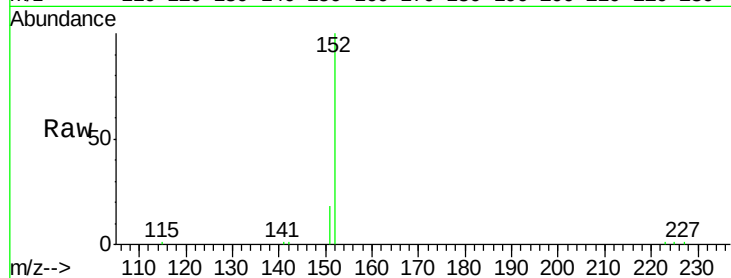
KY038PS034-171211

Tgt Ion:152 Resp: 8837

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

6000

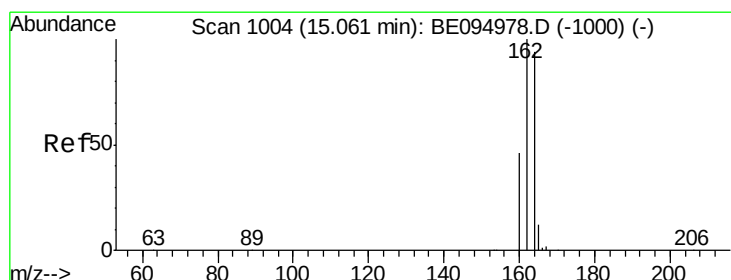
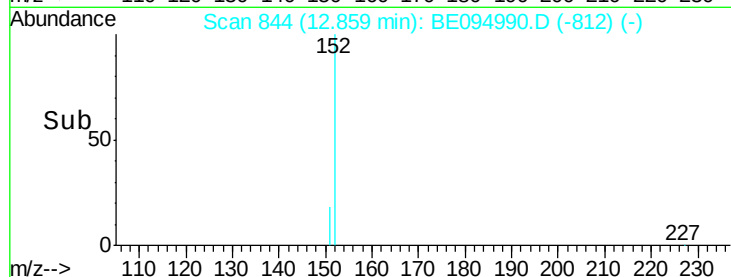
4000

2000

0

12.86

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

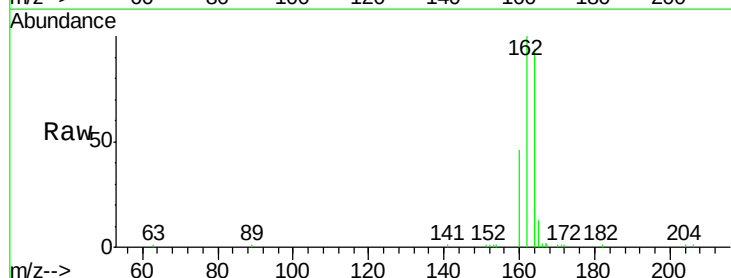
Tgt Ion:164 Resp: 7978

Ion Ratio Lower Upper

164 100

162 106.0 83.1 124.7

160 48.3 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

6000

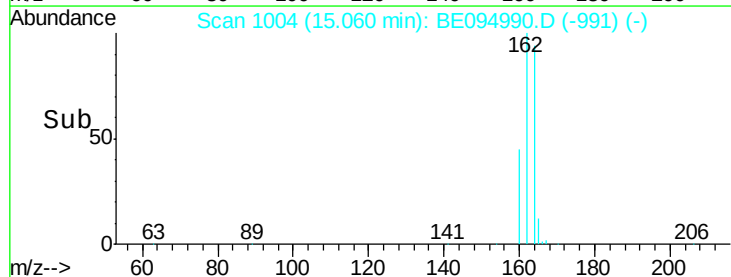
4000

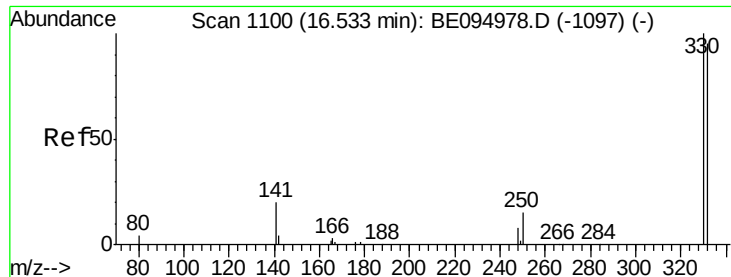
2000

0

15.06

Time-->

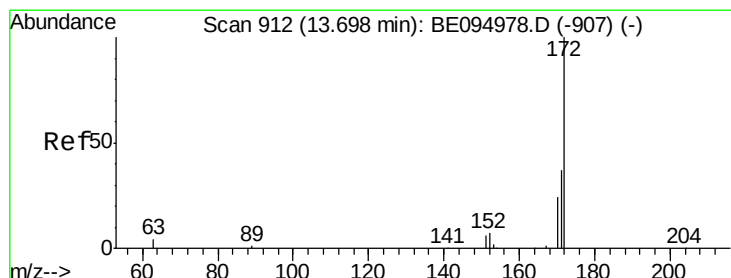
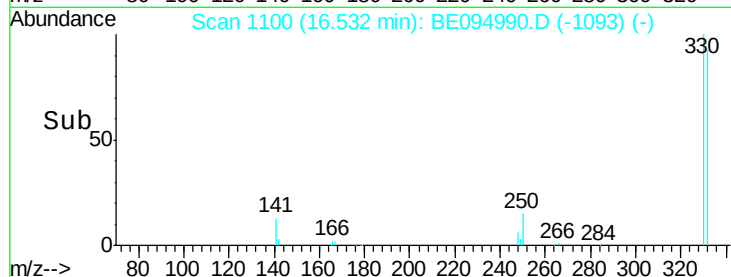
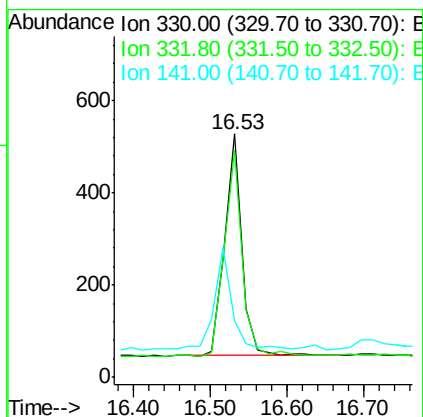
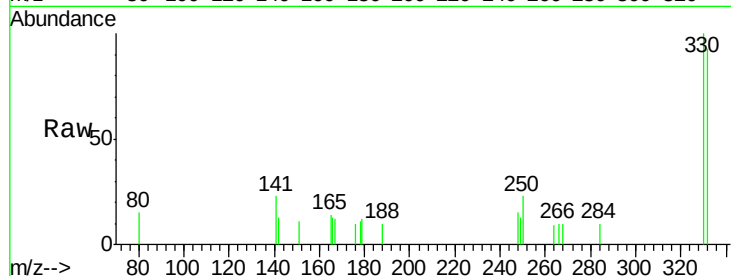




#14
 2,4,6-Tribromophenol
 Concen: 0.402 ng
 RT: 16.53 min Scan# 1100
 Delta R.T. -0.00 min
 Lab File: BE094990.D
 Acq: 14 Dec 2017 23:08

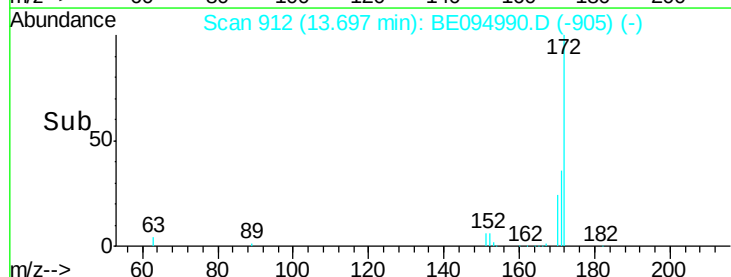
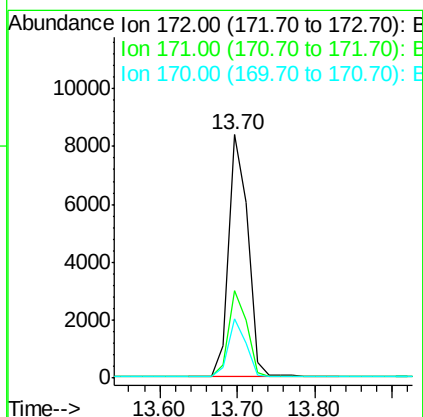
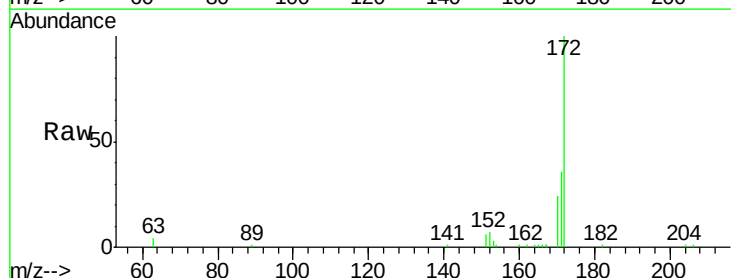
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-171211

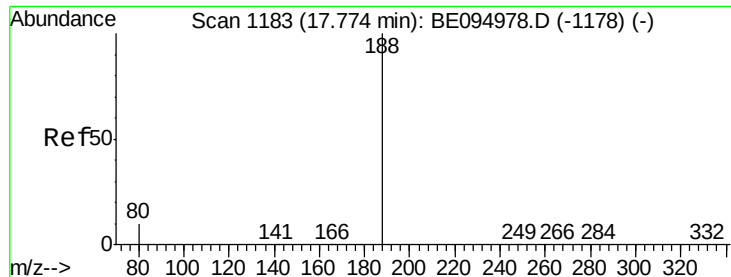
Tgt Ion: 330 Resp: 745
 Ion Ratio Lower Upper
 330 100
 332 95.6 152.7 229.1#
 141 46.0 33.7 50.5



#15
 2-Fluorobiphenyl
 Concen: 0.406 ng
 RT: 13.70 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE094990.D
 Acq: 14 Dec 2017 23:08

Tgt Ion: 172 Resp: 14360
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.9 44.9
 170 24.4 21.8 32.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

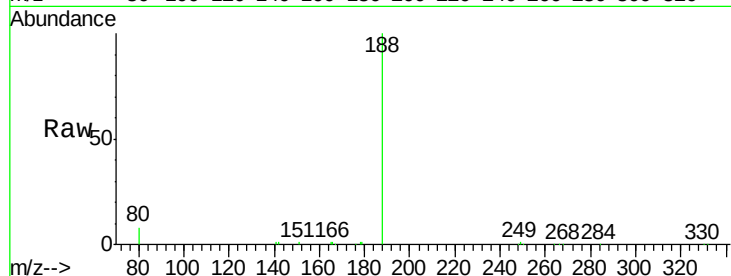
Tgt Ion:188 Resp: 18963

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

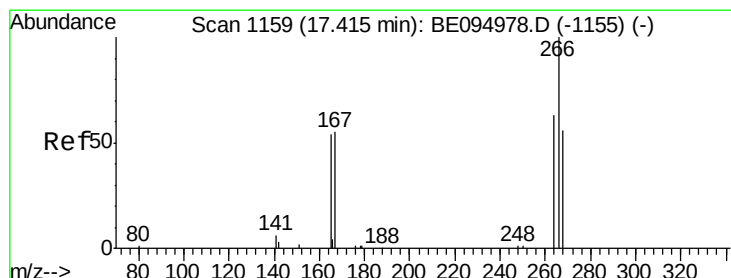
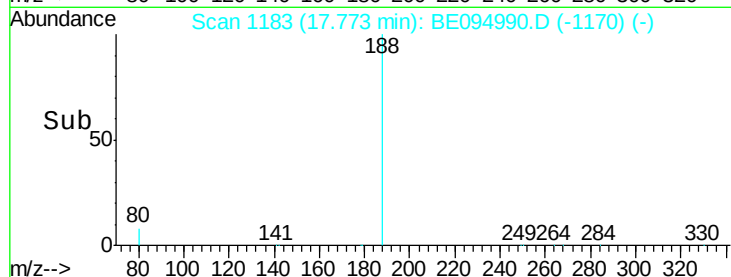
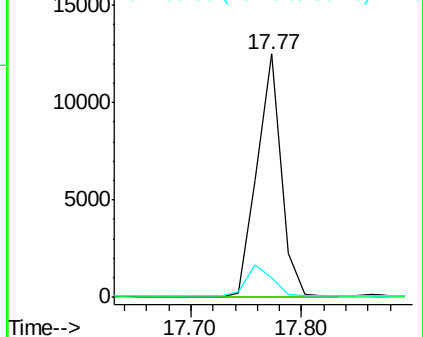
80 8.2 3.6 5.4#



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: 0.085 ng

RT: 17.38 min Scan# 1157

Delta R.T. -0.03 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

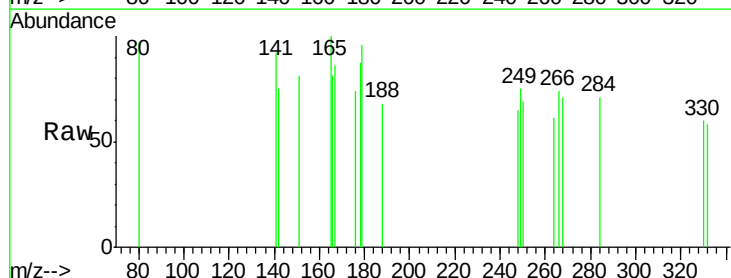
Tgt Ion:266 Resp: 16

Ion Ratio Lower Upper

266 100

264 82.5 72.5 108.7

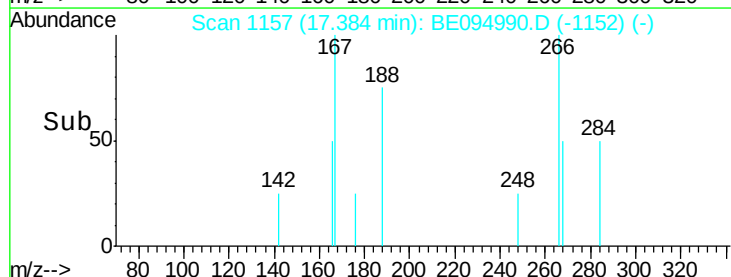
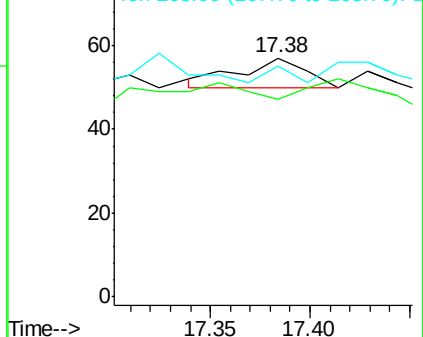
268 96.5 73.8 110.6

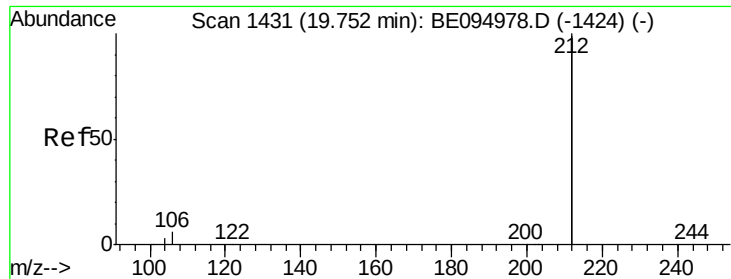


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 19.75 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

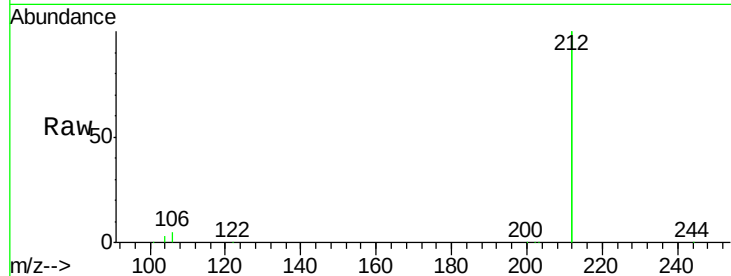
Tgt Ion:212 Resp: 95838

Ion Ratio Lower Upper

212 100

106 3.3 2.8 4.2

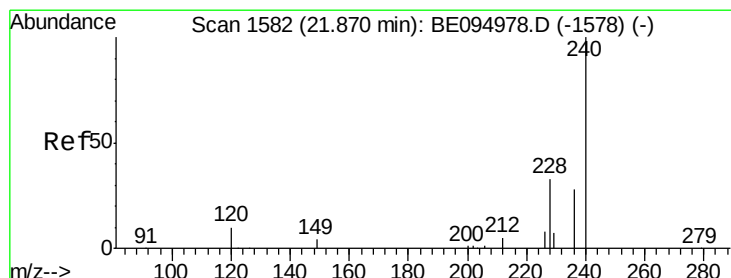
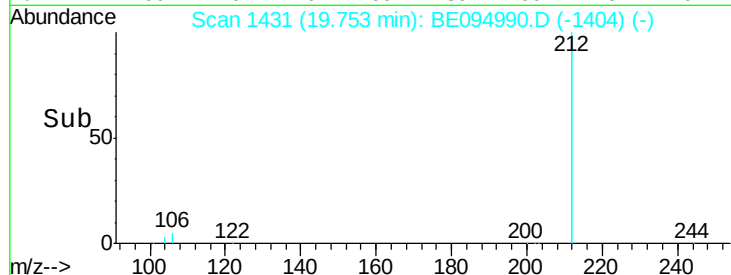
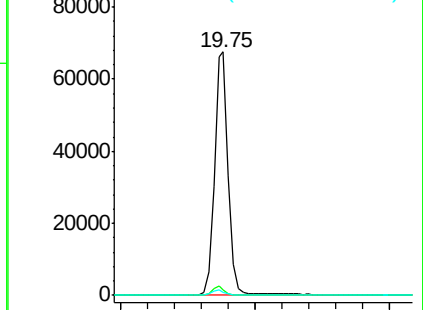
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

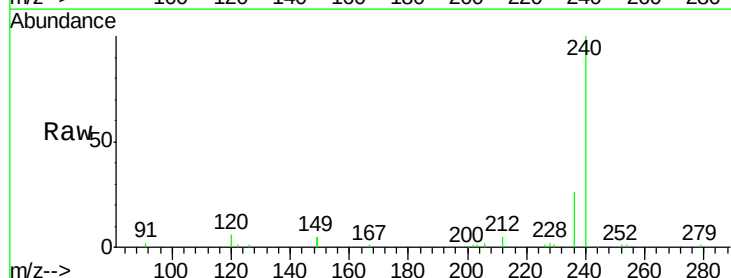
Tgt Ion:240 Resp: 21540

Ion Ratio Lower Upper

240 100

120 6.3 5.5 8.3

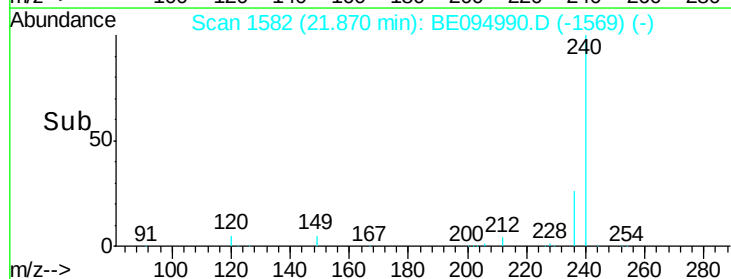
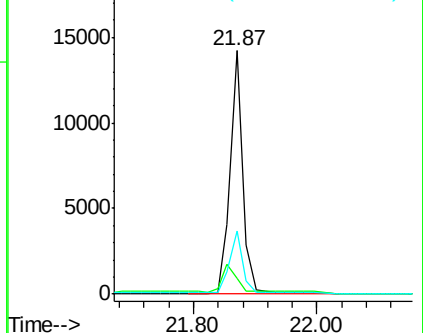
236 26.2 20.7 31.1

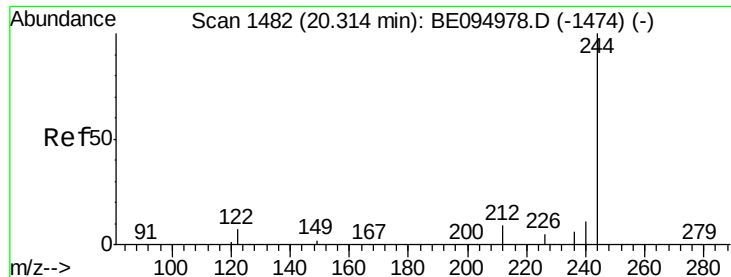


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.478 ng

RT: 20.31 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

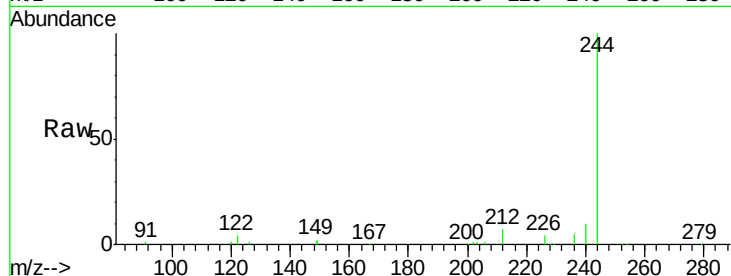
Tgt Ion:244 Resp: 19402

Ion Ratio Lower Upper

244 100

212 6.7 25.4 38.0#

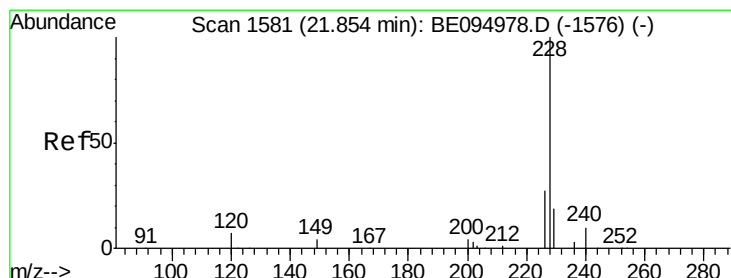
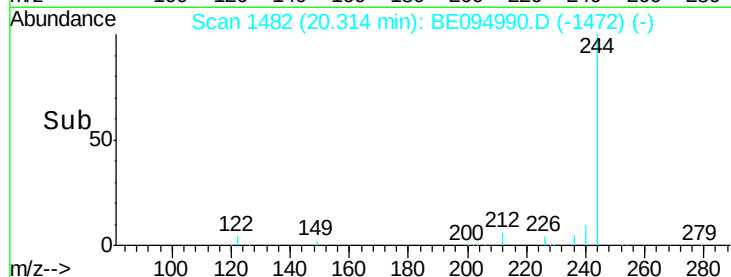
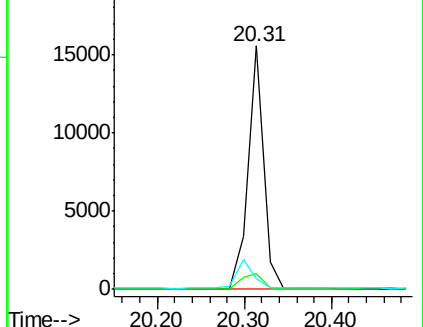
122 4.2 8.1 12.1#



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: 0.039 ng

RT: 21.85 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

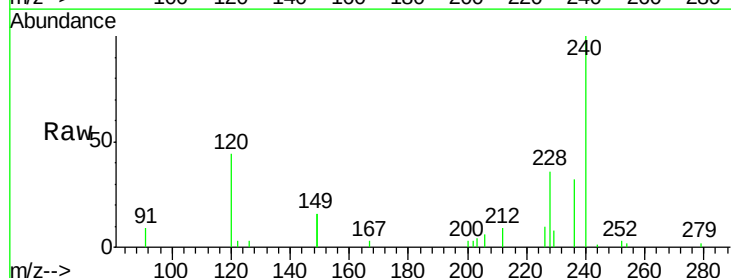
Tgt Ion:228 Resp: 2444

Ion Ratio Lower Upper

228 100

226 28.5 40.0 60.0#

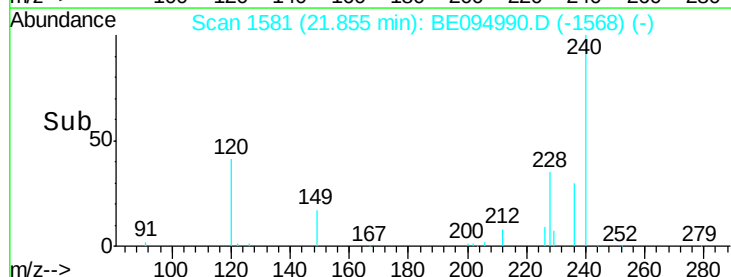
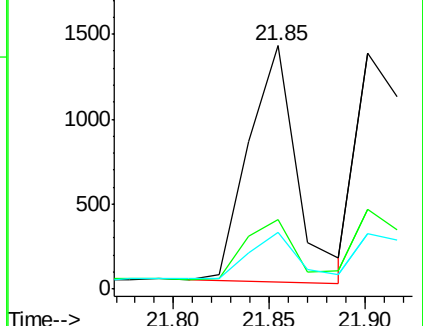
229 23.4 40.0 60.0#

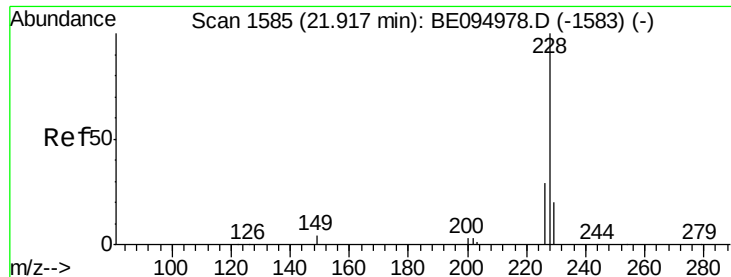


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.041 ng

RT: 21.90 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

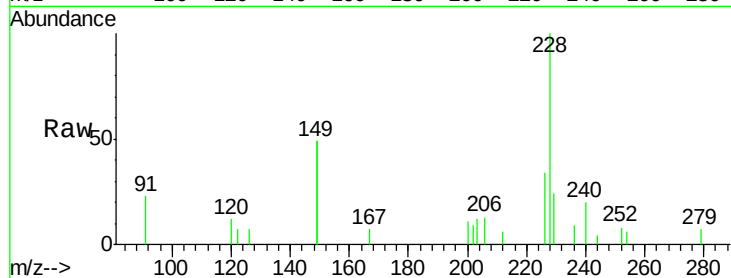
Tgt Ion:228 Resp: 2924

Ion Ratio Lower Upper

228 100

226 33.8 40.0 60.0#

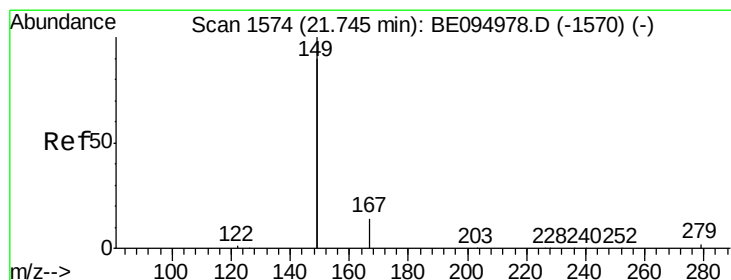
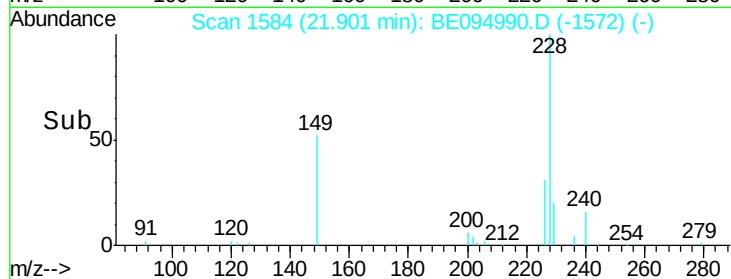
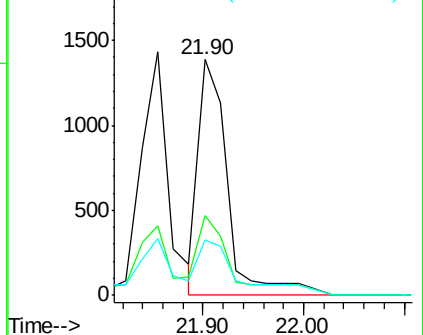
229 23.7 40.0 60.0#



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: 0.026 ng

RT: 21.73 min Scan# 1573

Delta R.T. -0.02 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

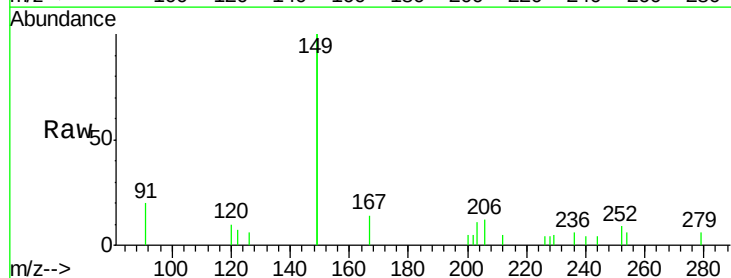
Tgt Ion:149 Resp: 2116

Ion Ratio Lower Upper

149 100

167 8.2 5.4 8.0#

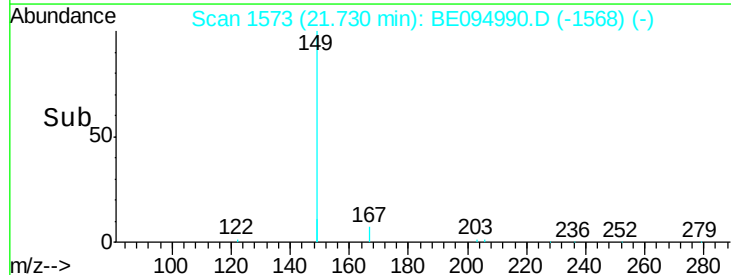
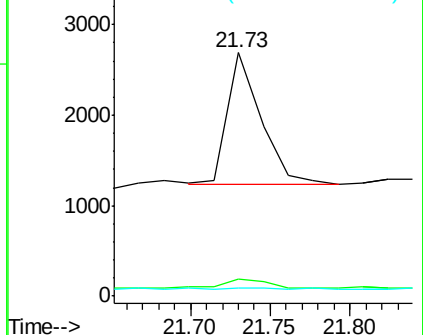
279 2.2 0.7 1.1#

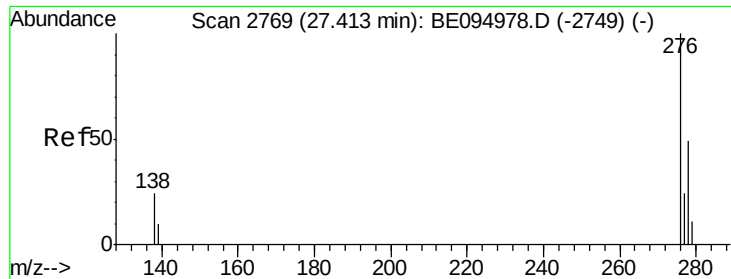


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.041 ng

RT: 27.41 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

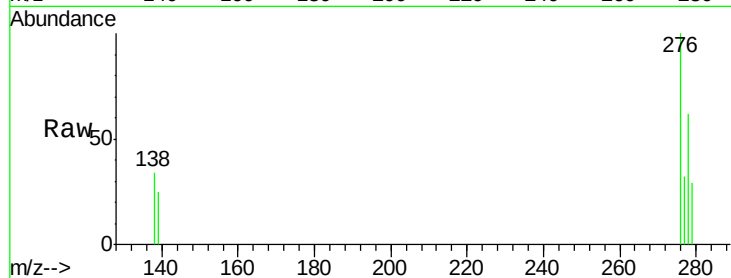
Tgt Ion:276 Resp: 2352

Ion Ratio Lower Upper

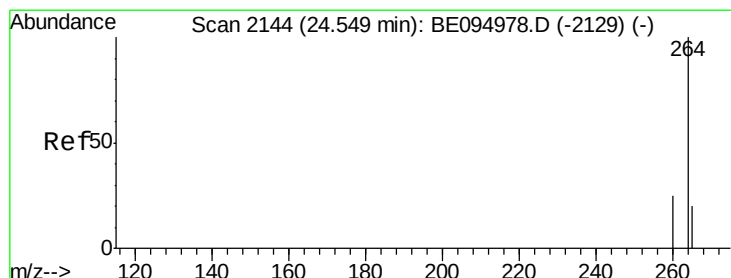
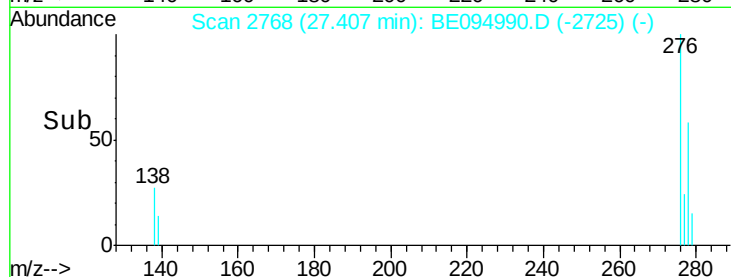
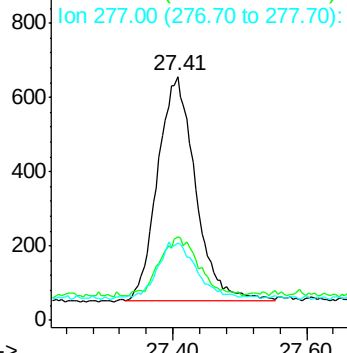
276 100

138 28.5 22.5 33.7

277 24.8 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: BE094990.D

Acq: 14 Dec 2017 23:08

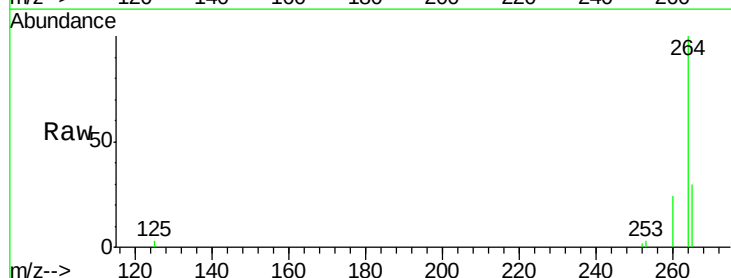
Tgt Ion:264 Resp: 17983

Ion Ratio Lower Upper

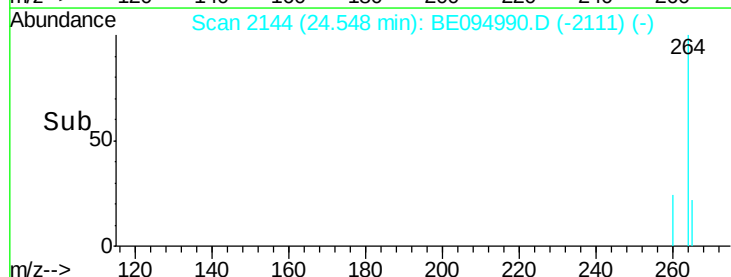
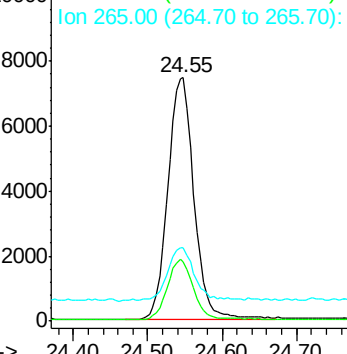
264 100

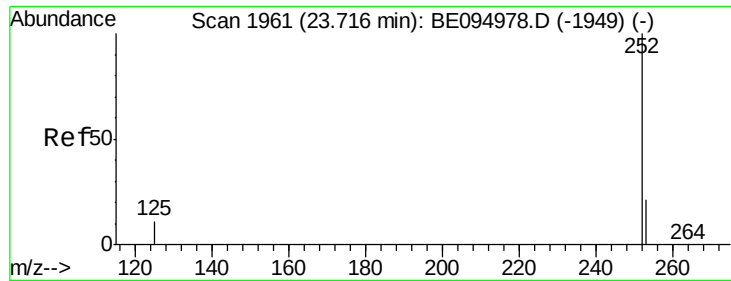
260 24.3 20.5 30.7

265 29.9 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: 0.037 ng

RT: 23.71 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211

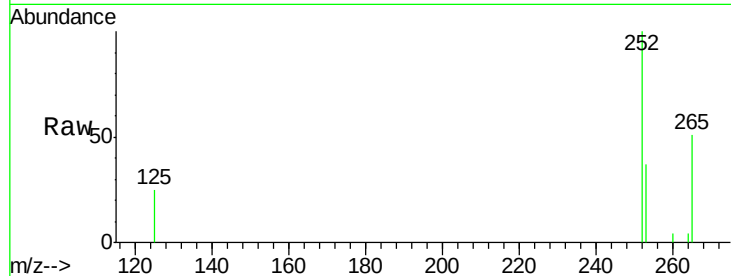
Tgt Ion: 252 Resp: 2417

Ion Ratio Lower Upper

252 100

253 37.1 20.0 30.0#

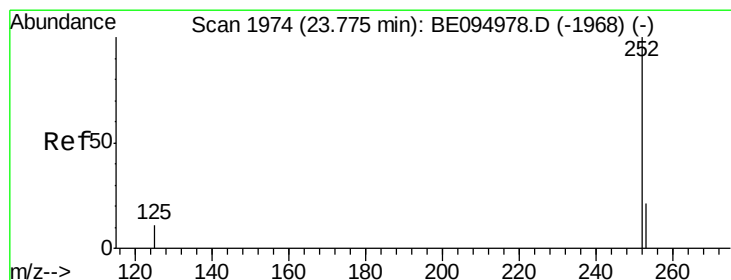
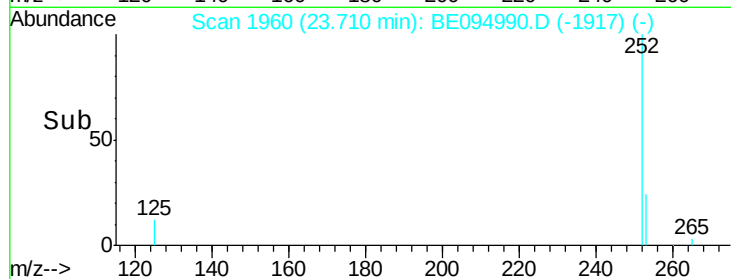
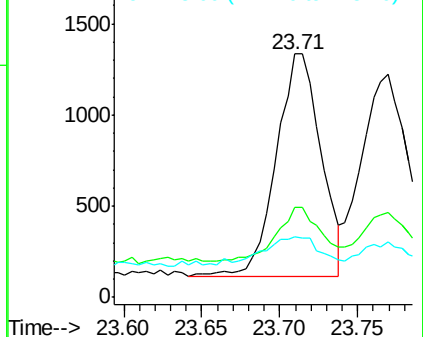
125 24.8 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.034 ng

RT: 23.77 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

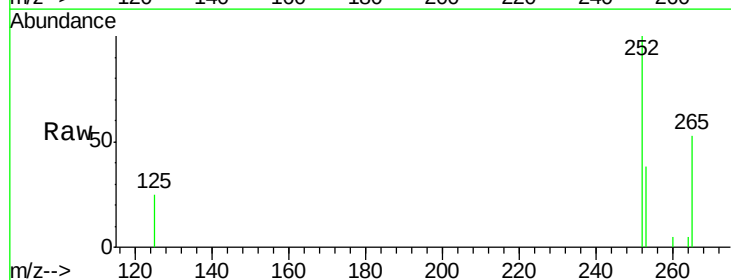
Tgt Ion: 252 Resp: 2301

Ion Ratio Lower Upper

252 100

253 38.4 16.0 24.0#

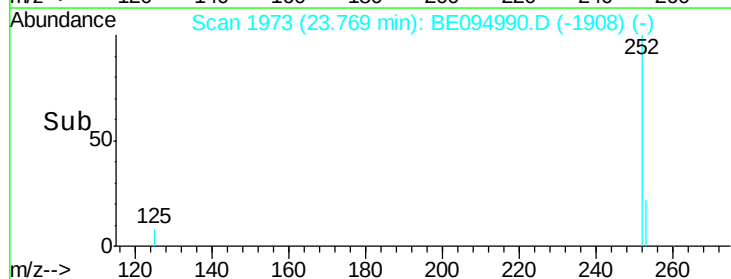
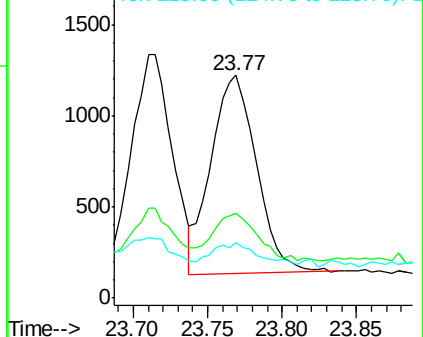
125 24.7 8.0 12.0#

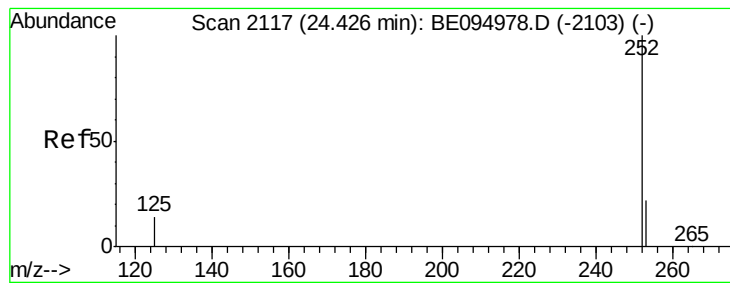


Abundance Ion 252.00 (251.70 to 252.70): E

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: 24.42 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BE094990.D

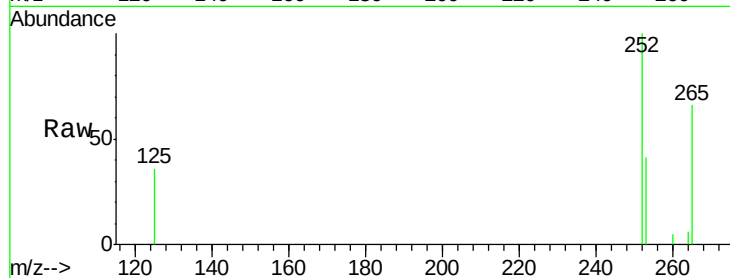
Acq: 14 Dec 2017 23:08

Instrument :

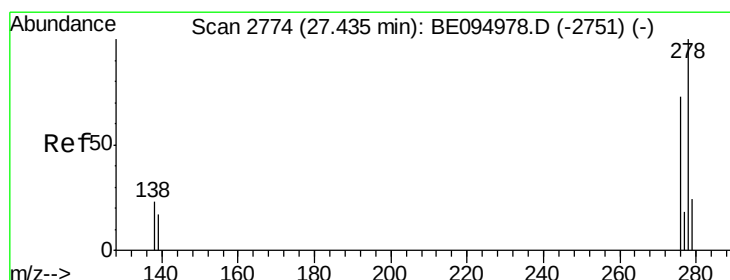
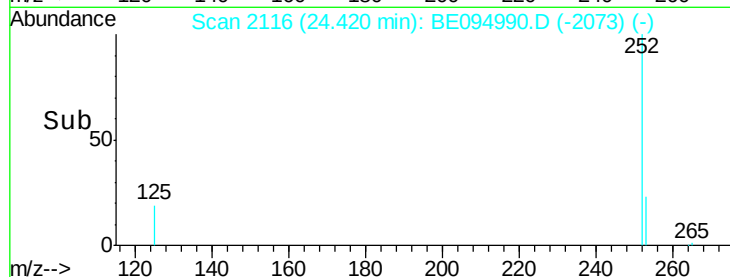
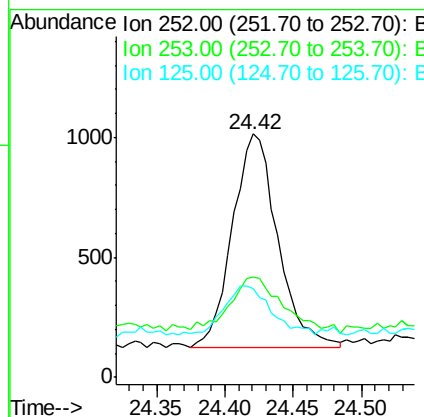
BNA_E

ClientSampleId :

KY038PS034-171211



Tgt Ion:	252	Resp:	2036
Ion	Ratio	Lower	Upper
252	100		
253	41.0	16.0	24.0#
125	36.3	12.0	18.0#



#38

Dibenzo(a,h)anthracene

Concen: 0.034 ng

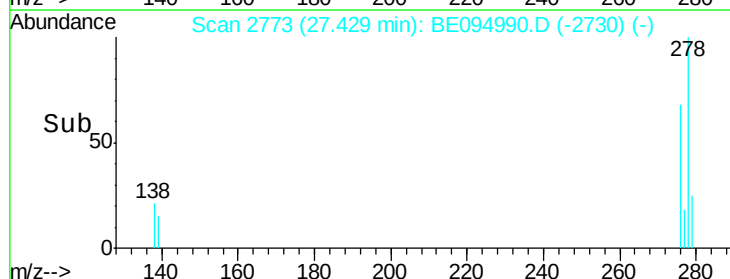
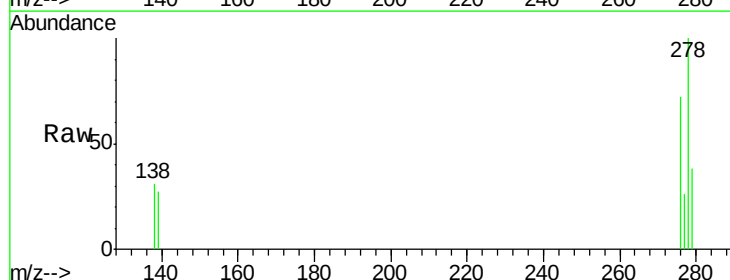
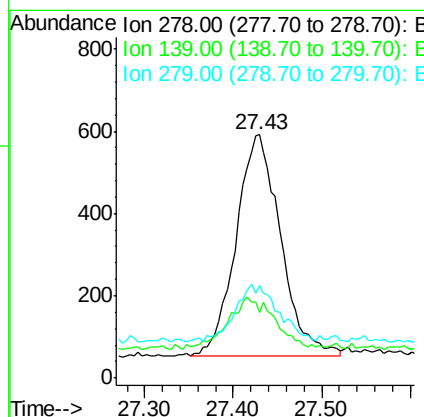
RT: 27.43 min Scan# 2773

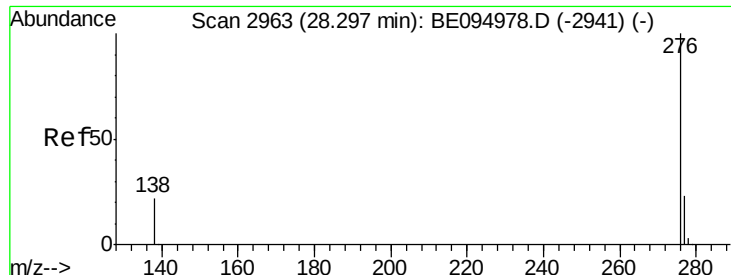
Delta R.T. -0.01 min

Lab File: BE094990.D

Acq: 14 Dec 2017 23:08

Tgt Ion:	278	Resp:	1868
Ion	Ratio	Lower	Upper
278	100		
139	26.9	16.0	24.0#
279	38.2	20.0	30.0#





#39

Benzo(g,h,i)perylene

Concen: 0.038 ng

RT: 28.29 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BE094990.D

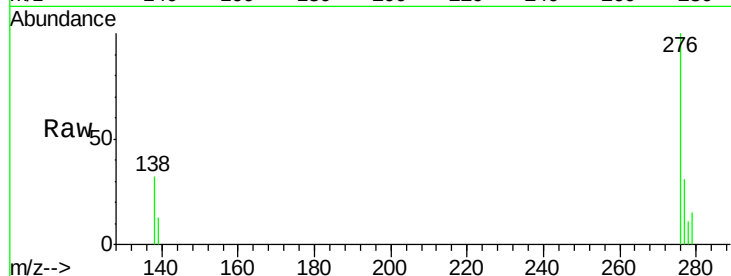
Acq: 14 Dec 2017 23:08

Instrument :

BNA_E

ClientSampleId :

KY038PS034-171211



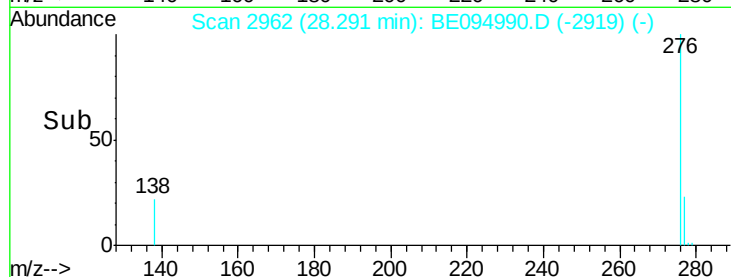
Tgt Ion: 276 Resp: 2034

Ion Ratio Lower Upper

276 100

277 30.6 16.0 24.0#

138 31.7 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

800

600

400

200

0

28.29

28.20

28.30

28.40

Time-->