

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021017\
 Data File : BE092724.D
 Acq On : 10 Feb 2017 16:44
 Operator : SJ/MA
 Sample : I1744-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS034-170206

Quant Time: Feb 10 17:22:23 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	9466	5.00	ng	-0.02
7) Naphthalene-d8	10.89	136	39595	5.00	ng	-0.02
12) Acenaphthene-d10	14.78	164	24604	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	48793	5.00	ng	0.00
24) Chrysene-d12	21.70	240	66602	5.00	ng	-0.02
31) Perylene-d12	24.04	264	59710	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.63	112	7943	3.76	ng	-0.02
5) Phenol-d6	7.29	99	5217	2.01	ng	-0.04
8) Nitrobenzene-d5	9.29	82	13681	5.32	ng	-0.04
13) 2,4,6-Tribromophenol	16.27	330	6868	9.43	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	34216	5.65	ng	-0.02
26) Terphenyl-d14	20.14	244	44708	4.75	ng	-0.02

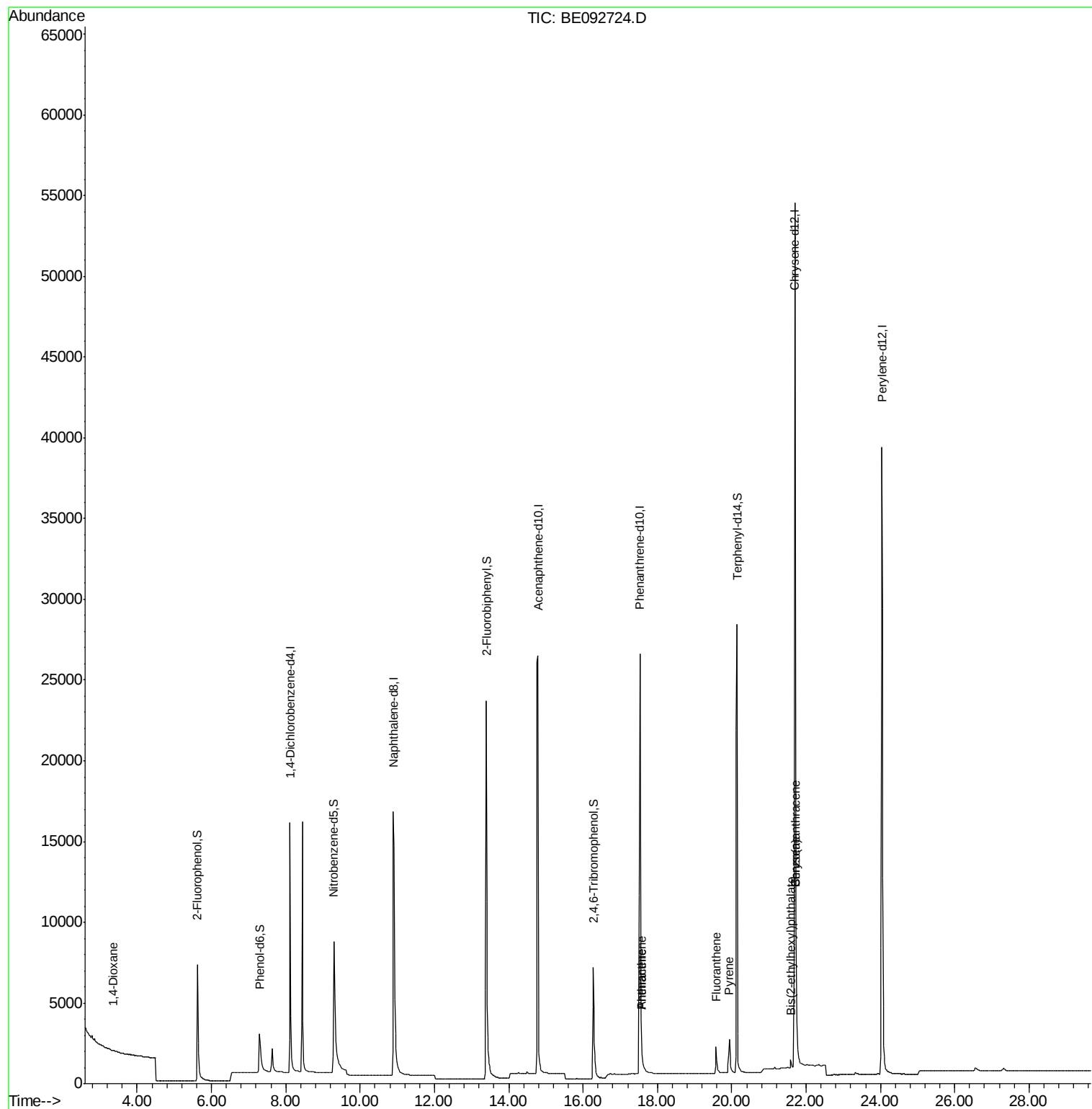
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	123	0.03	ng	# 57
19) Hexachlorobenzene	16.66	284	112	Below Cal		# 39
21) Phenanthrene	17.58	178	463	0.04	ng	# 57
22) Anthracene	17.58	178	463	0.05	ng	# 61
23) Fluoranthene	19.58	202	3425	0.07	ng	100
25) Pyrene	19.94	202	3183	0.05	ng	95
27) Benzo(a)anthracene	21.72	228	5931	0.09	ng	# 68
28) Chrysene	21.72	228	5983	0.08	ng	# 88
29) Bis(2-ethylhexyl)phthalate	21.59	149	792	0.26	ng	# 72

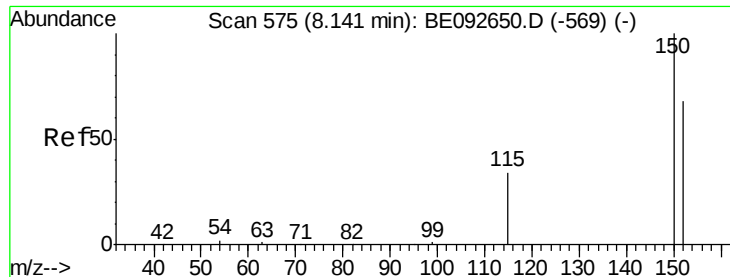
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.12 min Scan# 574

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

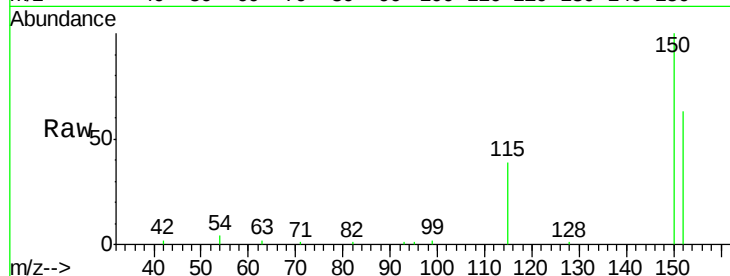
Tgt Ion:152 Resp: 9466

Ion Ratio Lower Upper

152 100

150 157.7 106.0 159.0

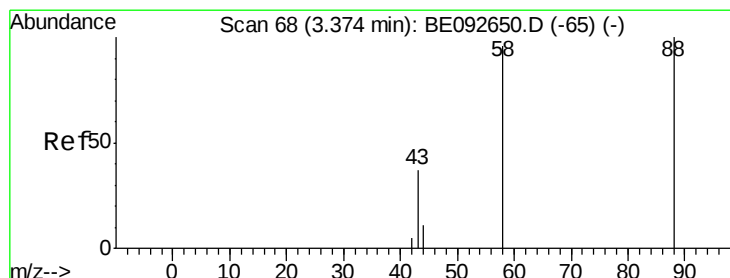
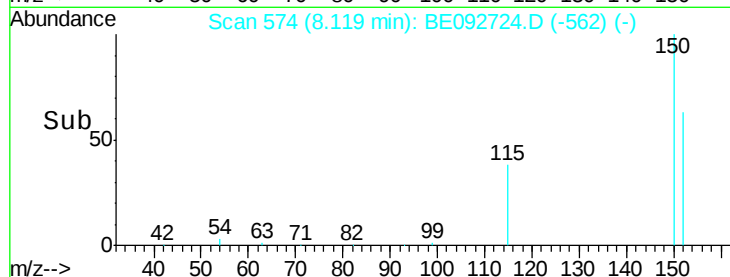
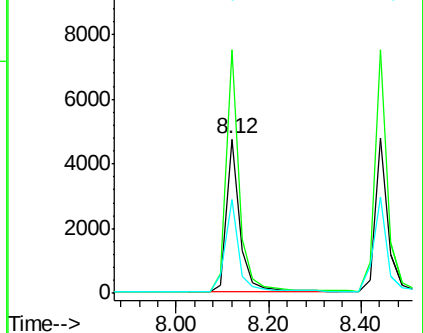
115 61.2 31.2 46.8#



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: 0.03 ng

RT: 3.36 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

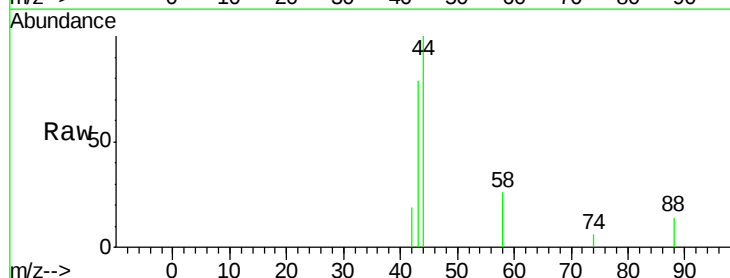
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

58 48.8 63.6 95.4#

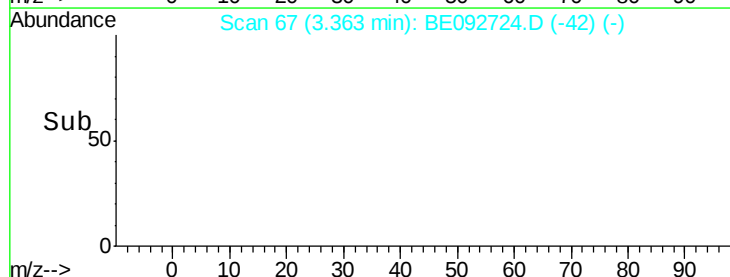
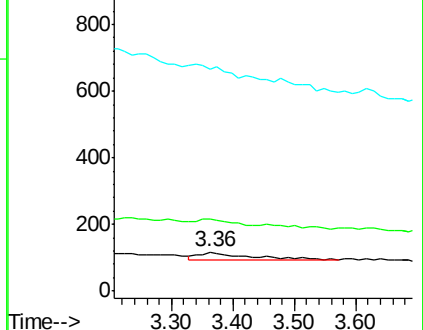
43 0.0 28.0 42.0#

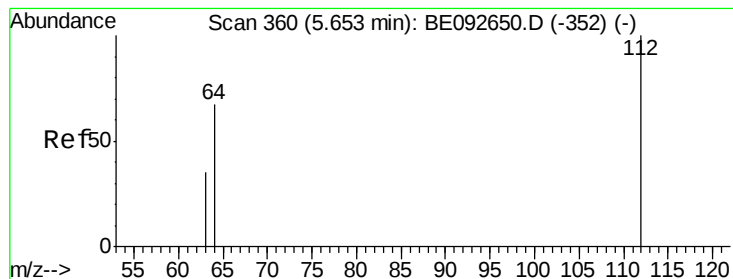


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.76 ng

RT: 5.63 min Scan# 356

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

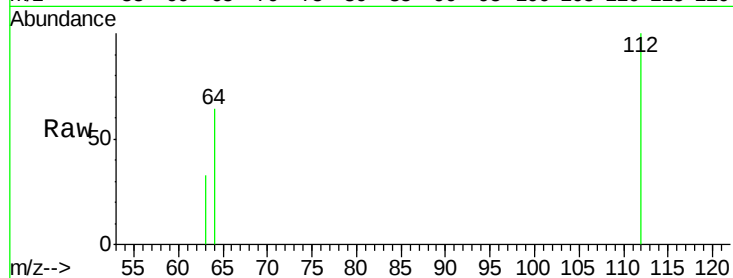
Tgt Ion: 112 Resp: 7943

Ion Ratio Lower Upper

112 100

64 67.6 53.5 80.3

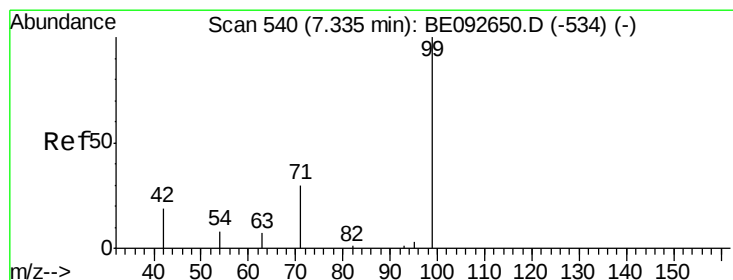
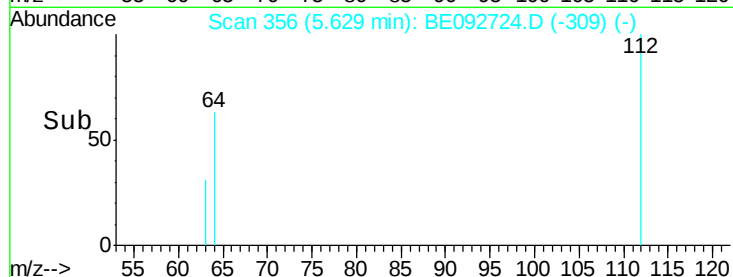
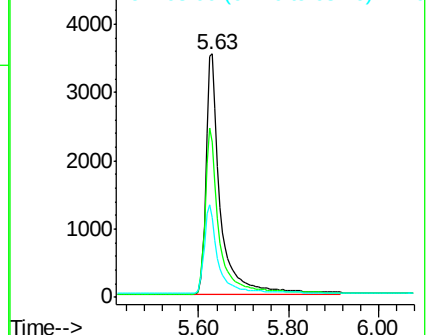
63 36.1 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092724.D (-352) (-)

Ion 64.00 (63.70 to 64.70): BE092724.D (-352) (-)

Ion 63.00 (62.70 to 63.70): BE092724.D (-352) (-)



#5

Phenol-d6

Concen: 2.01 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.04 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

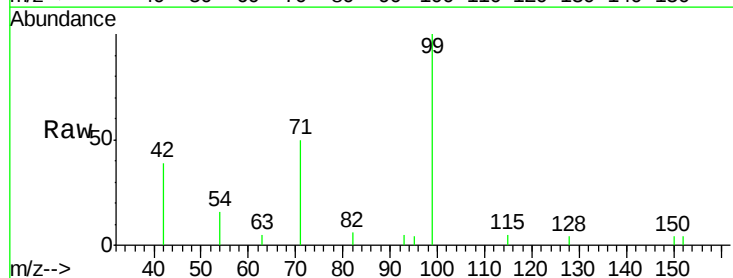
Tgt Ion: 99 Resp: 5217

Ion Ratio Lower Upper

99 100

42 24.4 16.0 24.0#

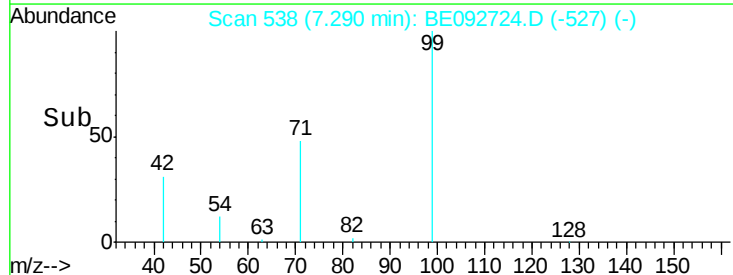
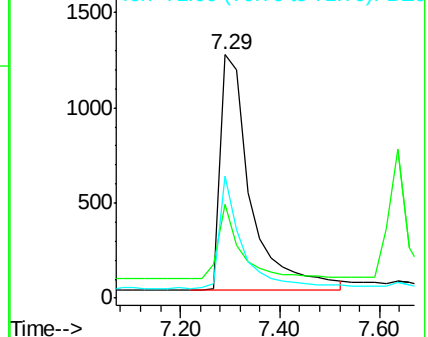
71 35.0 30.6 45.8

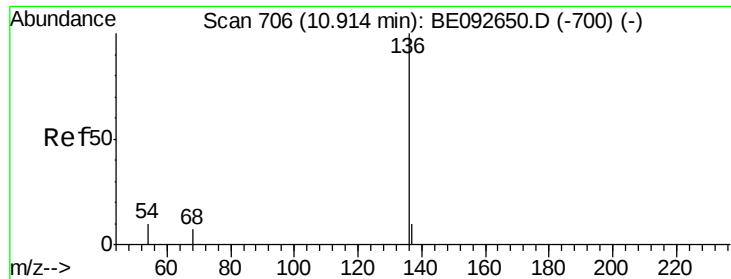


Abundance Ion 99.00 (98.70 to 99.70): BE092724.D (-527) (-)

Ion 42.00 (41.70 to 42.70): BE092724.D (-527) (-)

Ion 71.00 (70.70 to 71.70): BE092724.D (-527) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.89 min Scan# 705

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

Tgt Ion:136 Resp: 39595

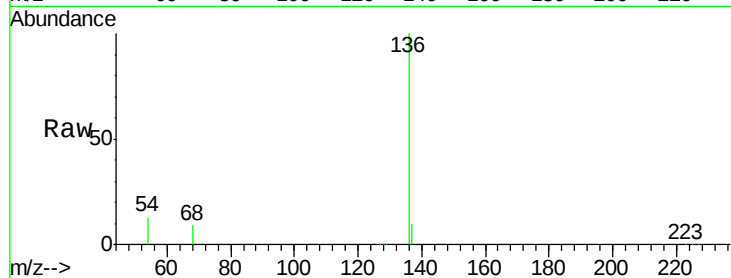
Ion Ratio Lower Upper

136 100

137 10.3 8.2 12.4

54 13.4 9.6 14.4

68 9.0 6.7 10.1

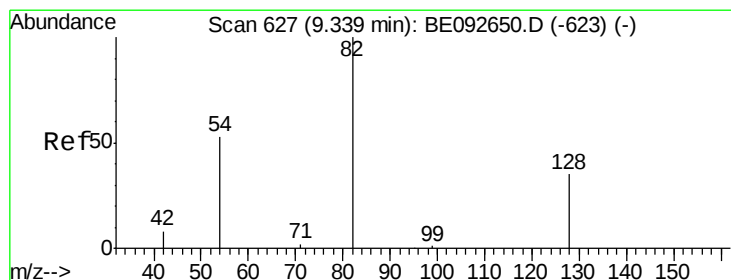
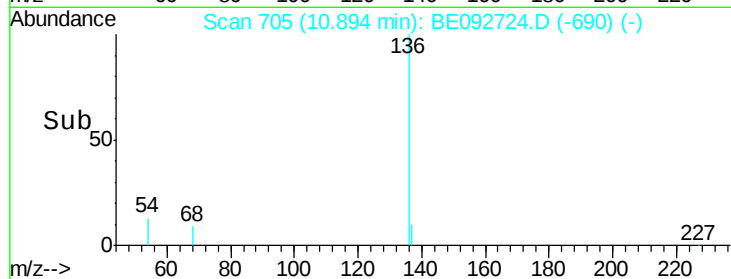
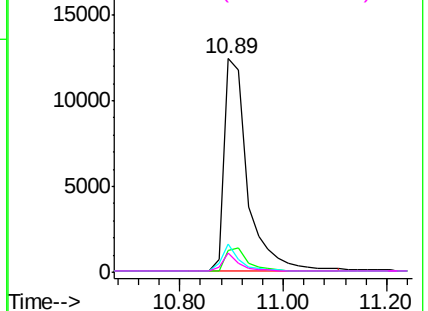


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.32 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.04 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

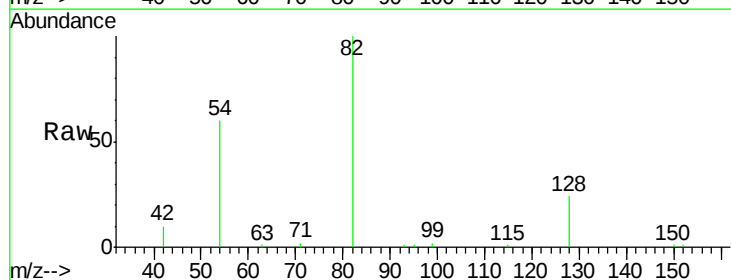
Tgt Ion: 82 Resp: 13681

Ion Ratio Lower Upper

82 100

128 24.1 39.0 58.4#

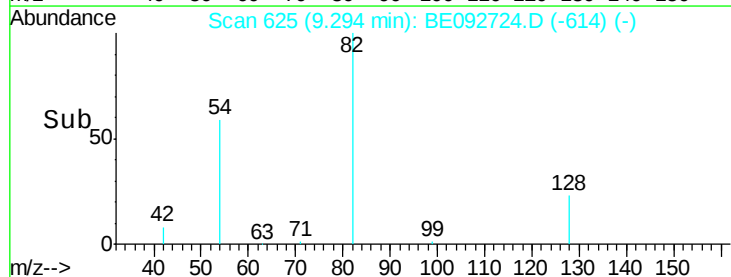
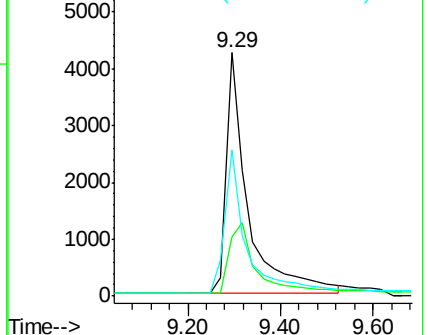
54 60.0 44.8 67.2

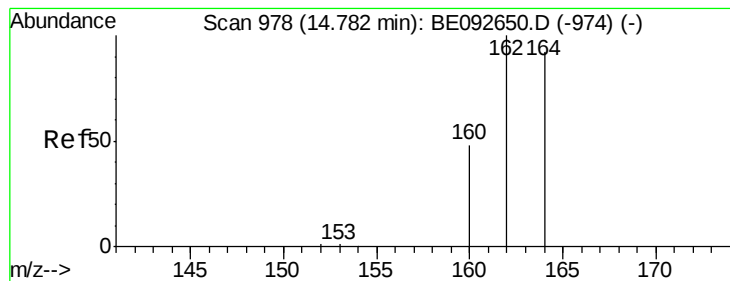


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

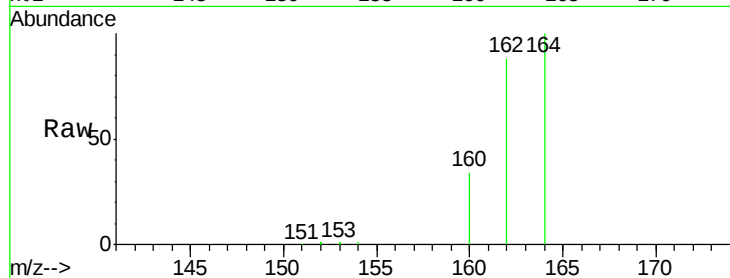
Tgt Ion:164 Resp: 24604

Ion Ratio Lower Upper

164 100

162 87.5 71.4 107.0

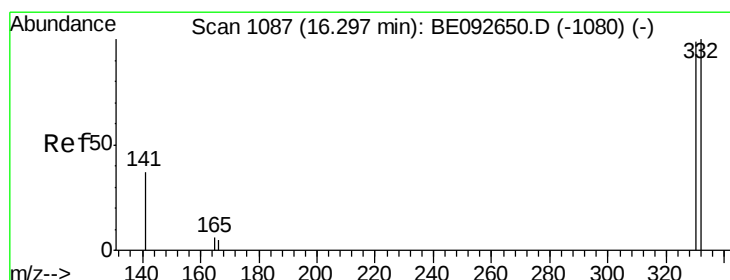
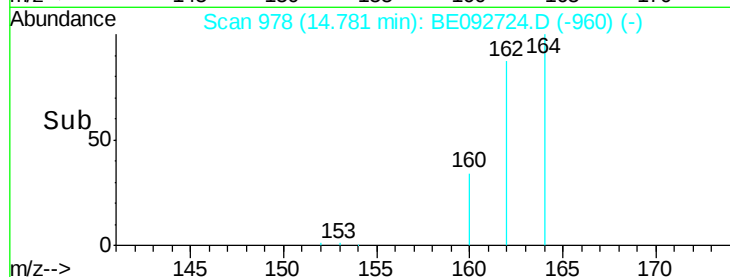
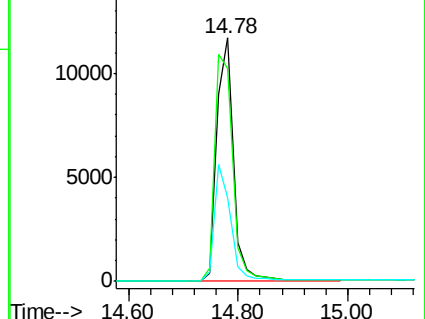
160 34.5 27.4 41.2



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



#13

2,4,6-Tribromophenol

Concen: 9.43 ng

RT: 16.27 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

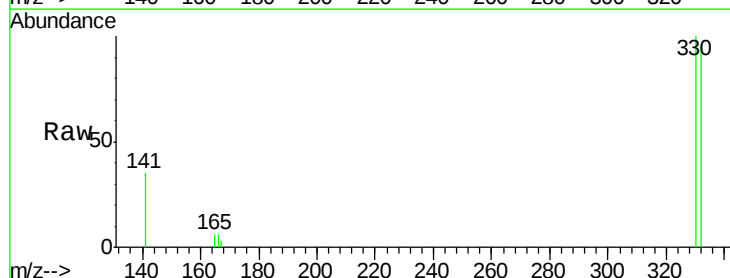
Tgt Ion:330 Resp: 6868

Ion Ratio Lower Upper

330 100

332 96.7 75.4 113.0

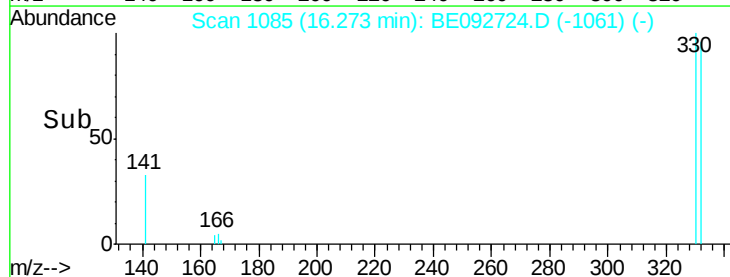
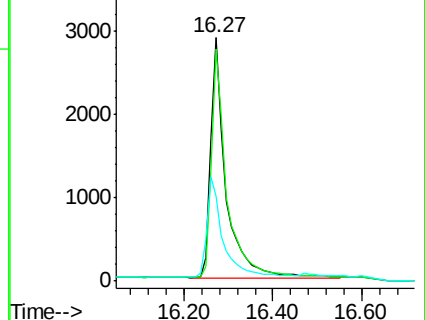
141 43.0 31.0 46.6

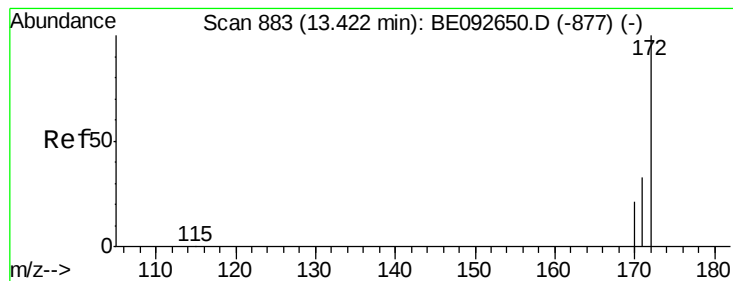


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 5.65 ng

RT: 13.40 min Scan# 881

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

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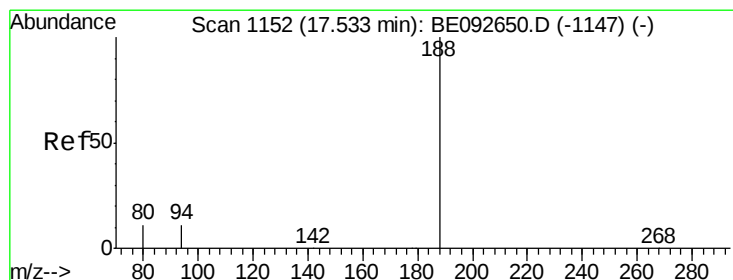
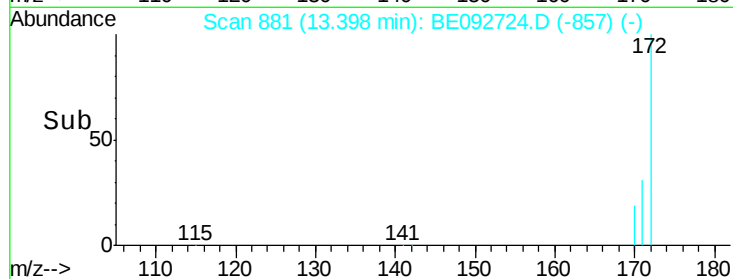
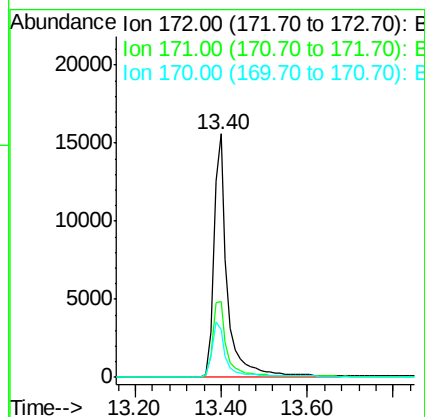
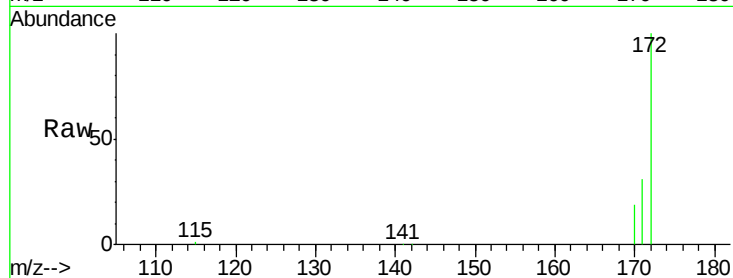
Tgt Ion:172 Resp: 34216

Ion Ratio Lower Upper

172 100

171 31.4 30.1 45.1

170 19.4 21.8 32.6#



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

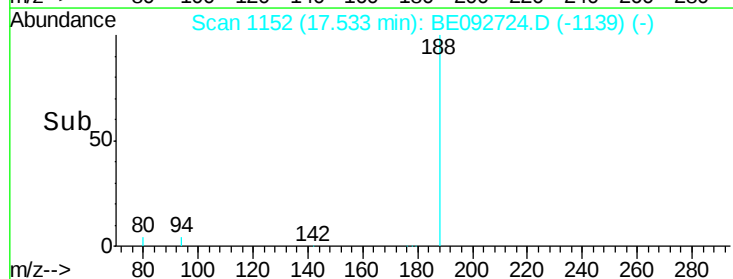
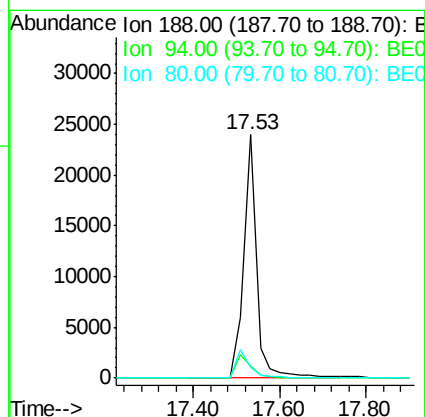
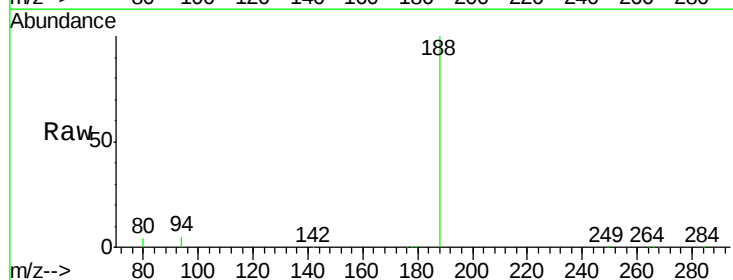
Tgt Ion:188 Resp: 48793

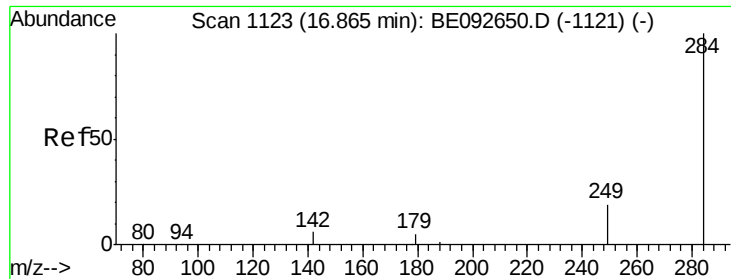
Ion Ratio Lower Upper

188 100

94 4.7 3.2 4.8

80 4.2 2.6 3.8#





#19

Hexachlorobenzene

Concen: Below Cal

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

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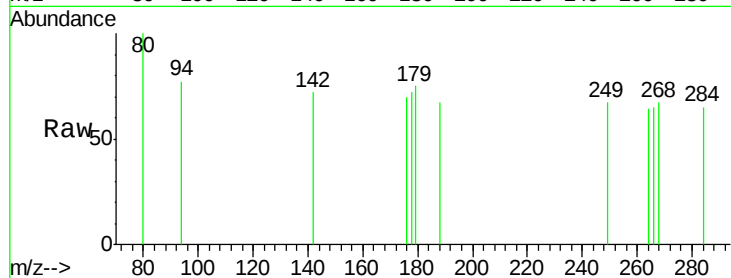
Tgt Ion: 284 Resp: 112

Ion Ratio Lower Upper

284 100

142 0.0 29.1 43.7#

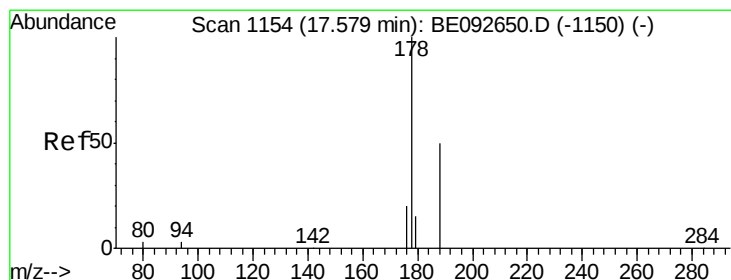
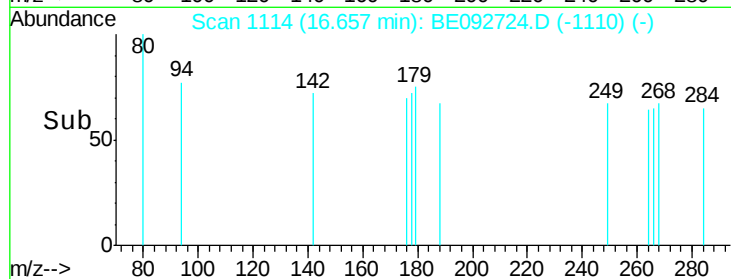
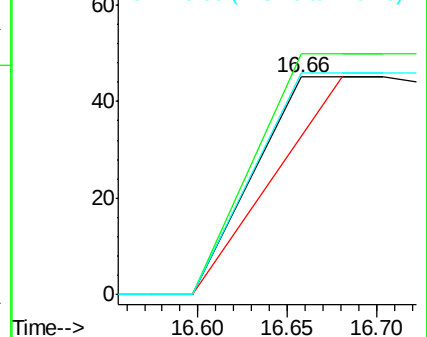
249 0.0 27.9 41.9#



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



#21

Phenanthrene

Concen: 0.04 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

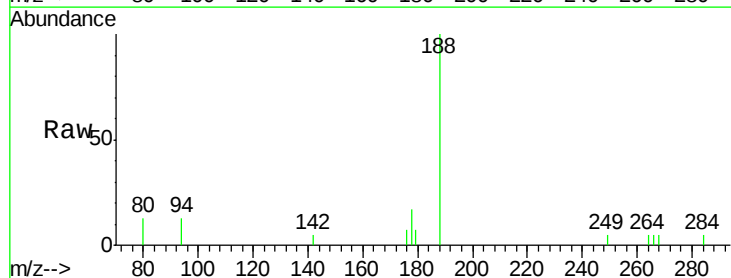
Tgt Ion: 178 Resp: 463

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

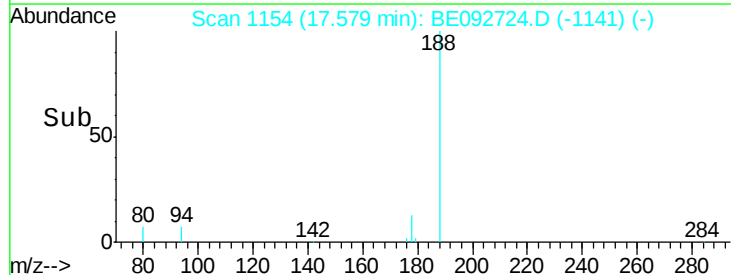
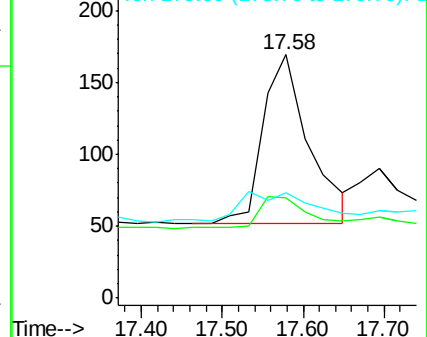
179 0.0 16.0 24.0#

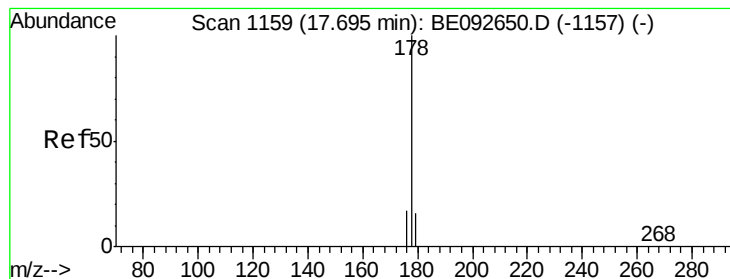


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 0.05 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.12 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

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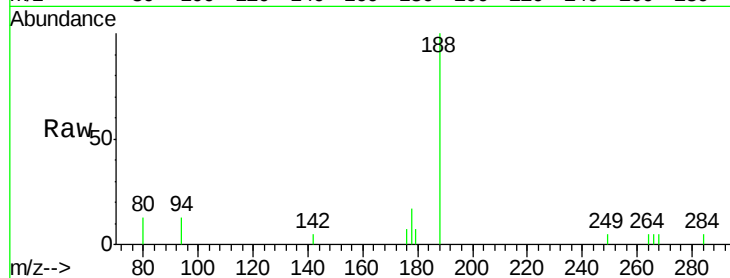
Tgt Ion:178 Resp: 463

Ion Ratio Lower Upper

178 100

176 0.0 15.0 22.4#

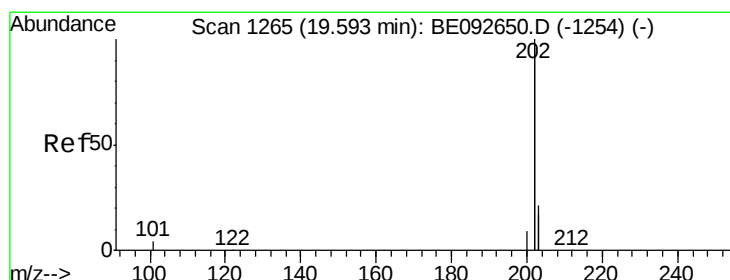
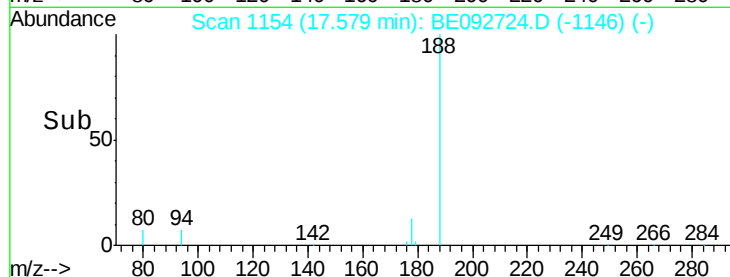
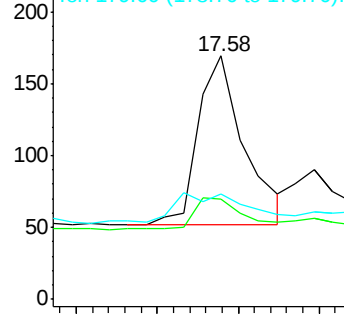
179 0.0 12.2 18.2#



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



#23

Fluoranthene

Concen: 0.07 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

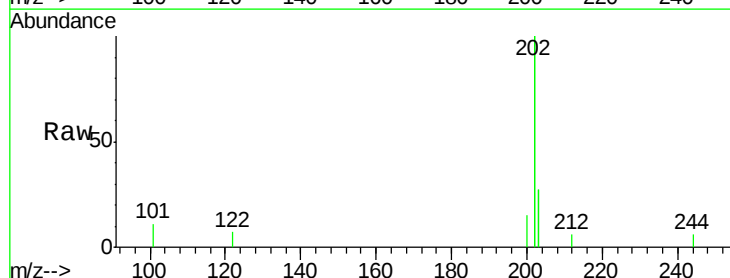
Tgt Ion:202 Resp: 3425

Ion Ratio Lower Upper

202 100

101 2.7 2.2 3.4

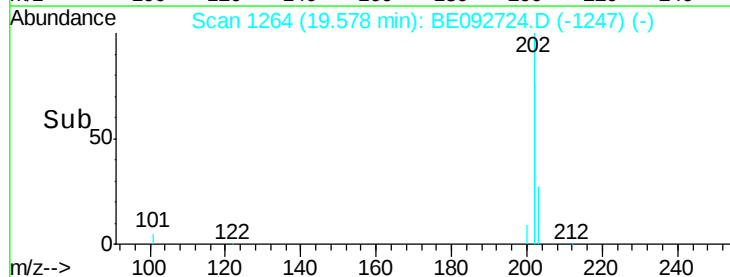
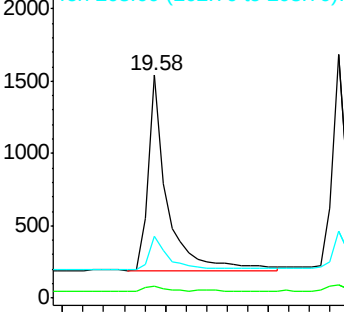
203 17.3 13.7 20.5

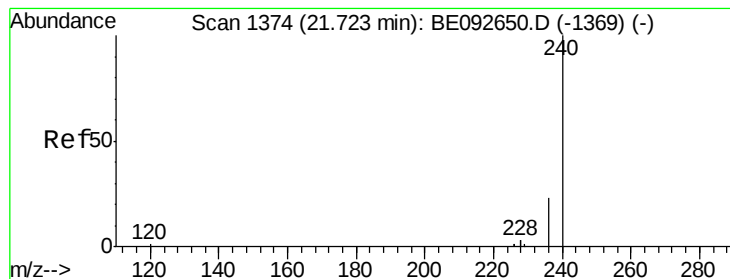


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.70 min Scan# 1373

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

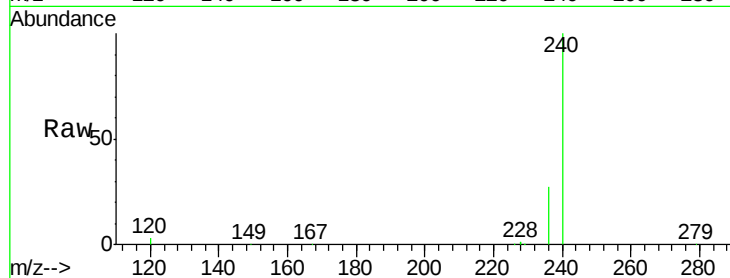
Tgt Ion:240 Resp: 66602

Ion Ratio Lower Upper

240 100

120 3.0 2.6 4.0

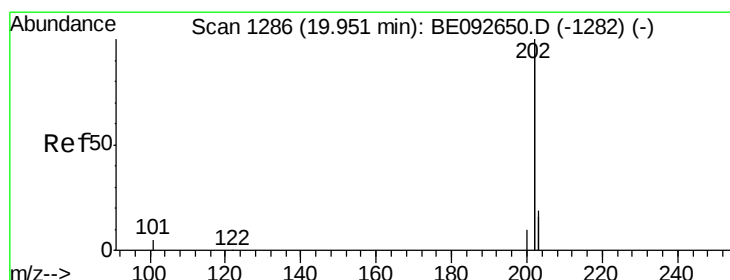
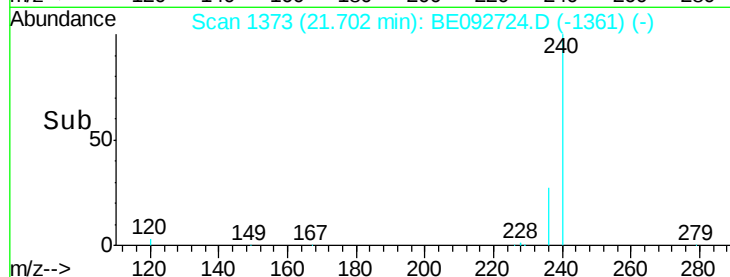
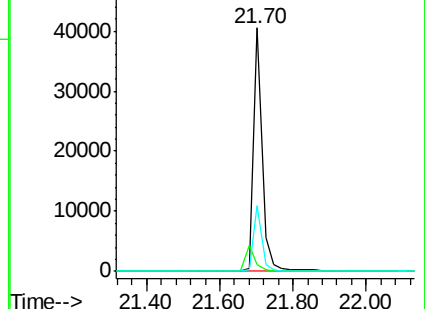
236 27.0 24.6 37.0



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



#25

Pyrene

Concen: 0.05 ng

RT: 19.94 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

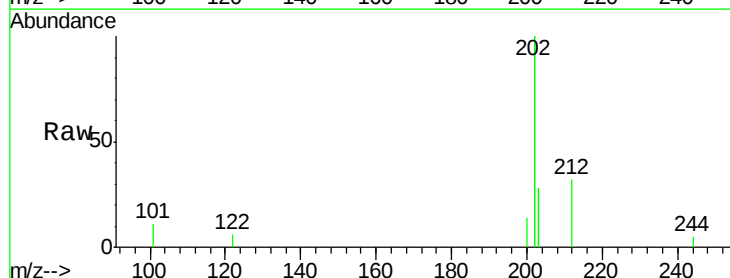
Tgt Ion:202 Resp: 3183

Ion Ratio Lower Upper

202 100

200 5.2 4.2 6.4

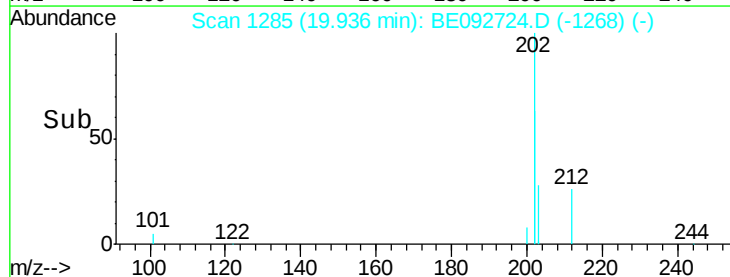
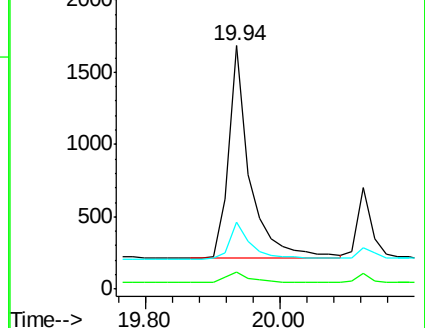
203 20.3 13.9 20.9

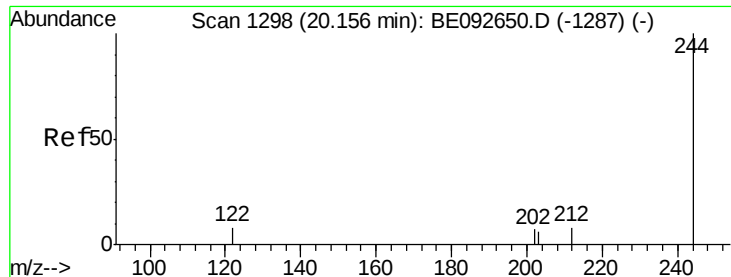


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#26

Terphenyl-d14

Concen: 4.75 ng

RT: 20.14 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

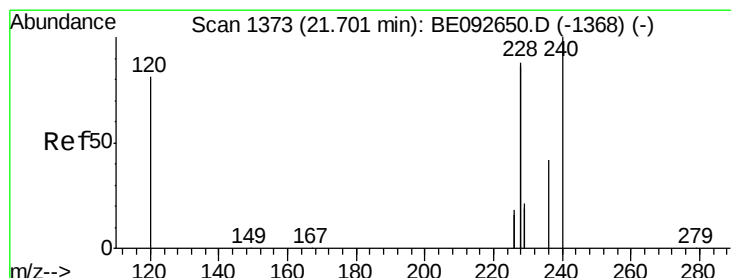
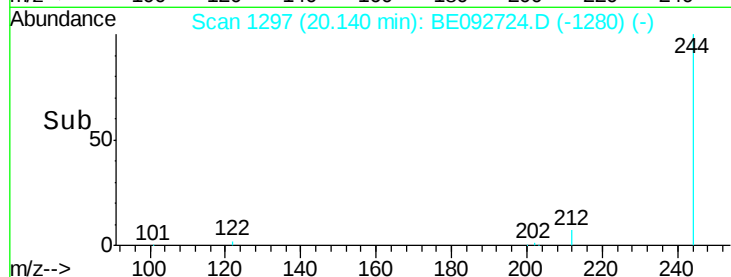
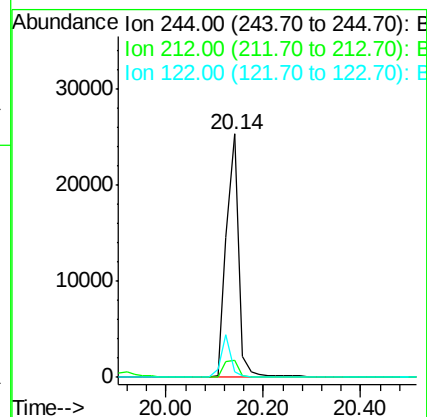
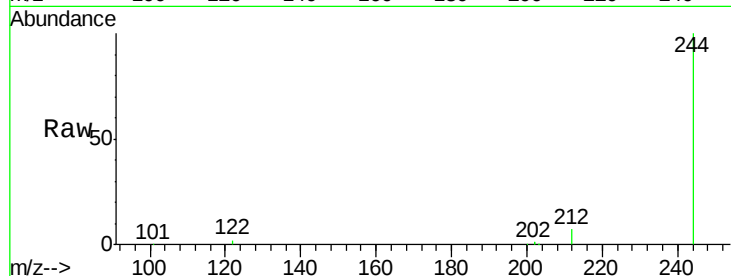
Tgt Ion:244 Resp: 44708

Ion Ratio Lower Upper

244 100

212 7.2 6.7 10.1

122 2.2 3.6 5.4#



#27

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

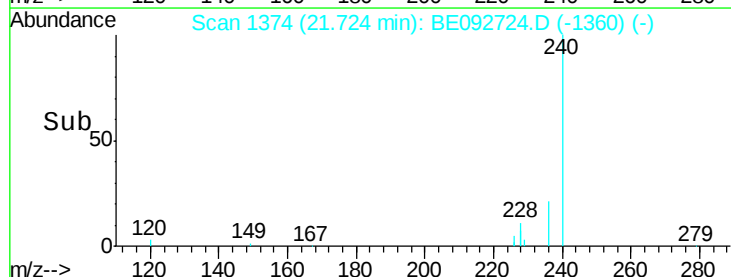
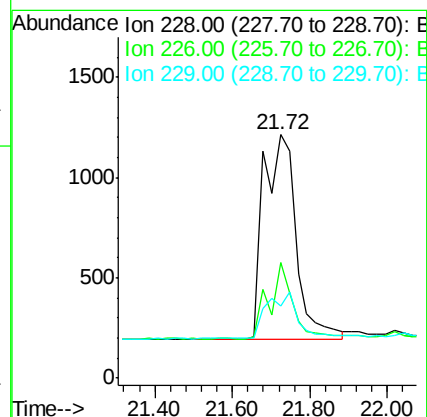
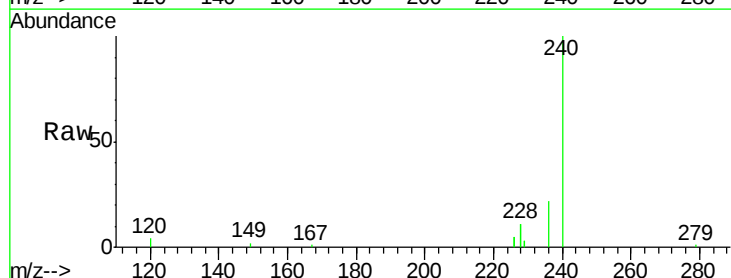
Tgt Ion:228 Resp: 5931

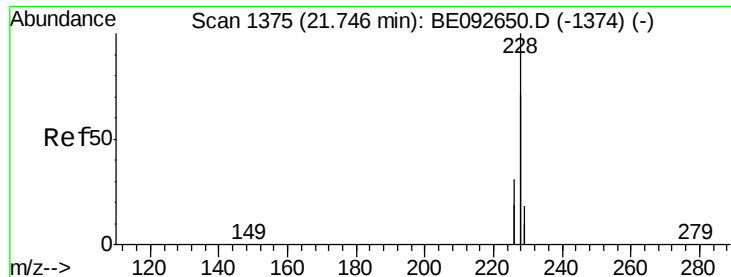
Ion Ratio Lower Upper

228 100

226 47.6 23.6 35.4#

229 29.5 13.3 19.9#





#28

Chrysene

Concen: 0.08 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

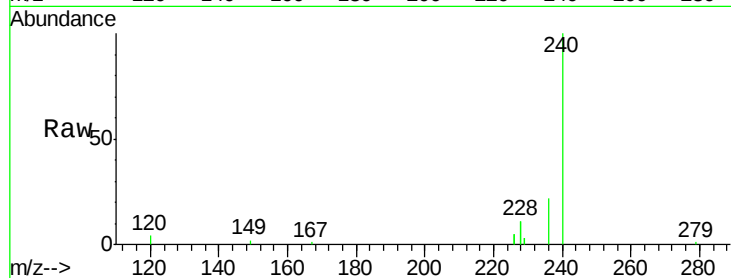
Tgt Ion:228 Resp: 5983

Ion Ratio Lower Upper

228 100

226 47.6 36.3 54.5

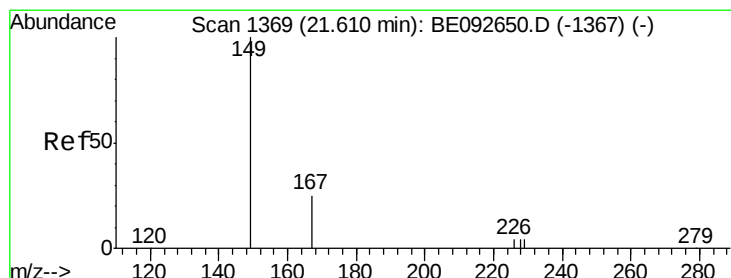
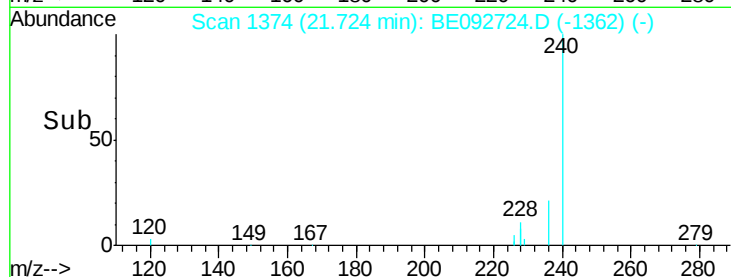
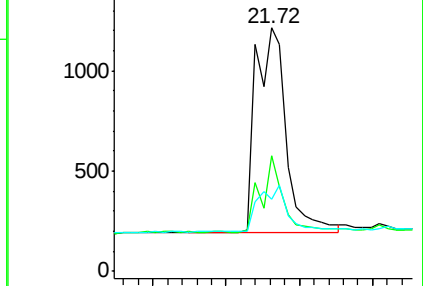
229 29.5 10.6 16.0#



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



#29

Bis(2-ethylhexyl)phthalate

Concen: 0.26 ng

RT: 21.59 min Scan# 1368

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

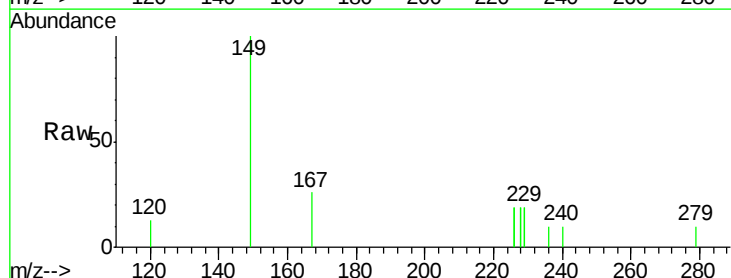
Tgt Ion:149 Resp: 792

Ion Ratio Lower Upper

149 100

167 26.0 16.0 24.0#

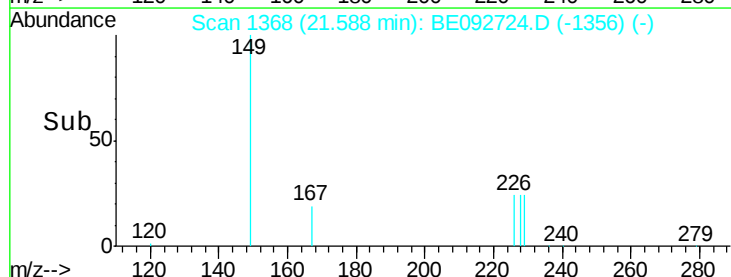
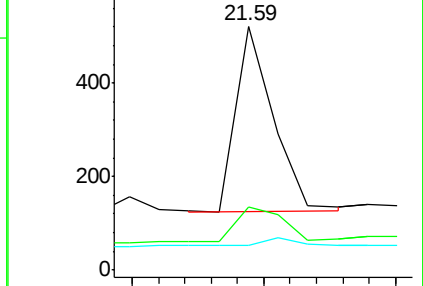
279 0.0 16.0 24.0#

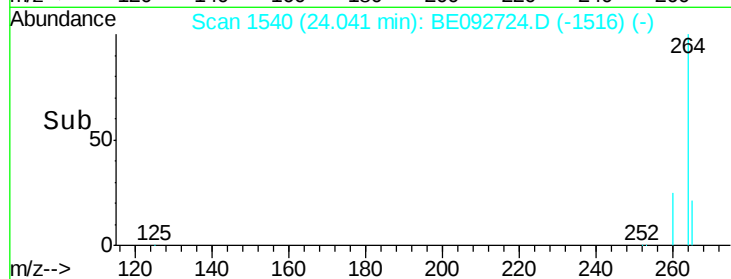
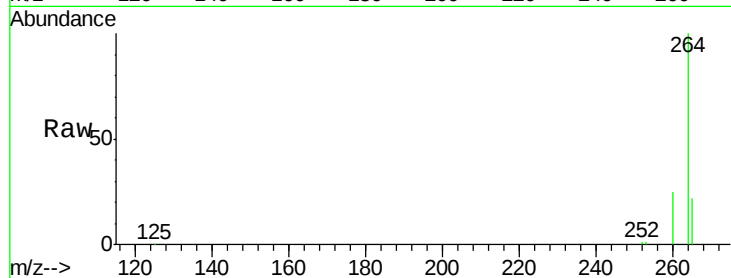
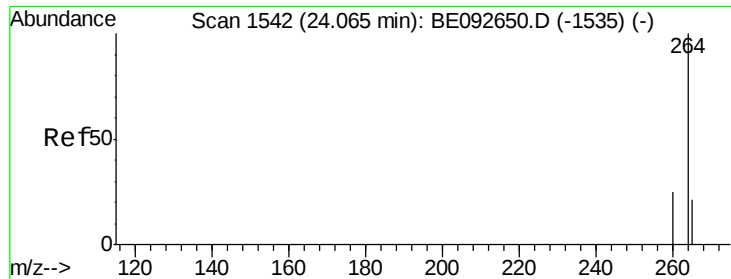


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.04 min Scan# 1540

Delta R.T. -0.02 min

Lab File: BE092724.D

Acq: 10 Feb 2017 16:44

Instrument :

BNA_E

ClientSampleId :

KY038PS034-170206

Tgt Ion: 264 Resp: 59710

Ion Ratio Lower Upper

264 100

260 25.3 20.1 30.1

265 21.6 17.9 26.9

