

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042916\
 Data File : BE091737.D
 Acq On : 29 Apr 2016 17:17
 Operator : UM/SJ
 Sample : H2769-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160427

Quant Time: Apr 29 23:07:38 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37243	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	167780	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	95600	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	244751	5.00	ng	0.00
26) Chrysene-d12	21.31	240	268070	5.00	ng	0.00
35) Perylene-d12	23.74	264	270807	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	17564	1.92	ng	0.00
5) Phenol-d6	6.95	99	12305	1.01	ng	0.00
8) Nitrobenzene-d5	8.95	82	33910	3.13	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	20434	5.79	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	101681	3.76	ng	0.00
29) Terphenyl-d14	19.76	244	189148	4.52	ng	0.00

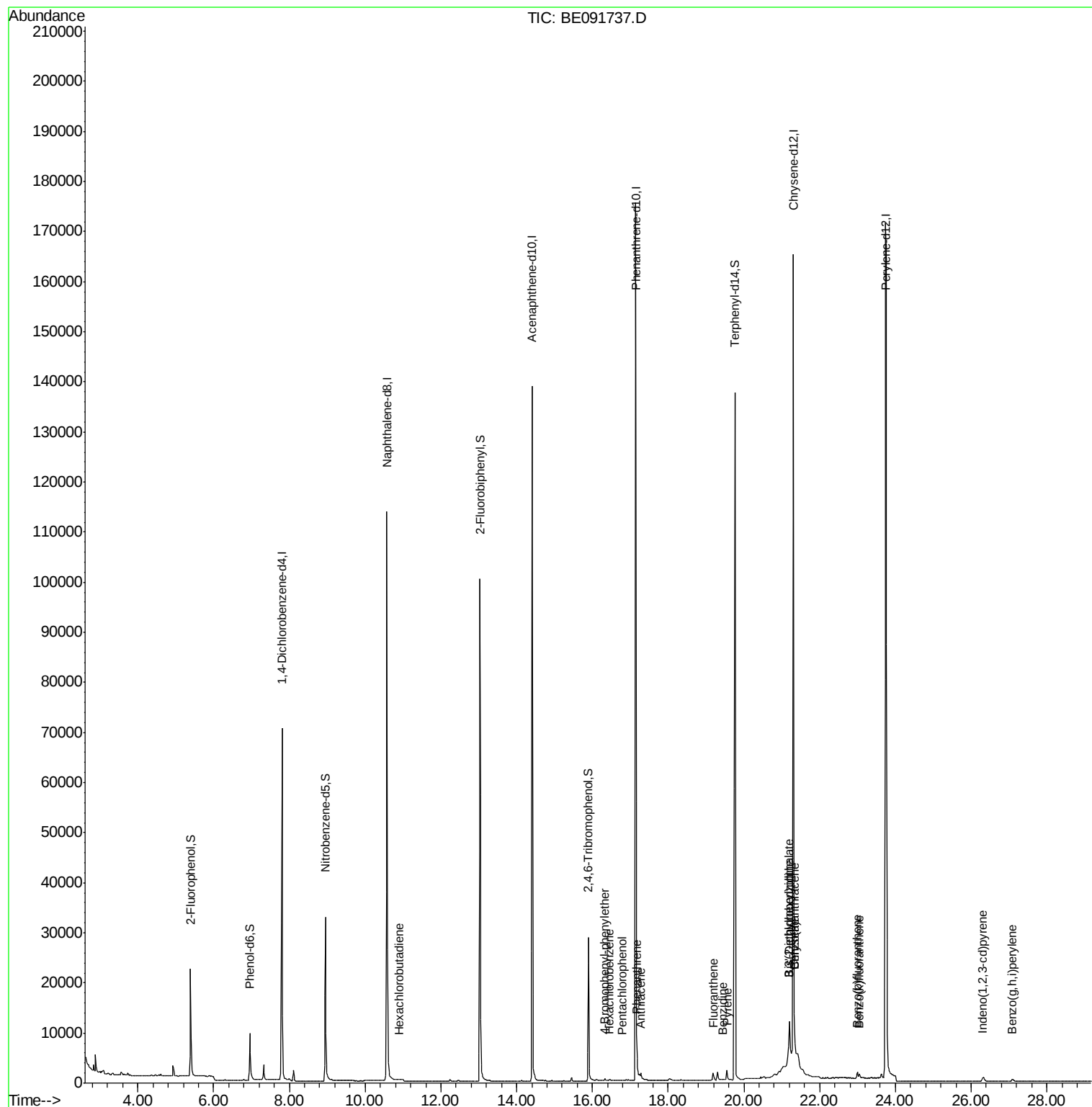
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	440	Below Cal	#	73
11) Hexachlorobutadiene	10.90	225	463	0.09 ng	#	19
20) 4-Bromophenyl-phenylether	16.33	248	224	0.03 ng		95
21) Hexachlorobenzene	16.45	284	238	0.03 ng	#	84
22) Pentachlorophenol	16.79	266	107	0.12 ng	#	82
23) Phenanthrene	17.18	178	1777	0.03 ng	#	82
24) Anthracene	17.28	178	1295	0.03 ng		99
25) Fluoranthene	19.19	202	1855	0.03 ng		98
27) Benzidine	19.44	184	199	0.17 ng	#	1
28) Pyrene	19.55	202	2034	0.03 ng		98
30) Benzo(a)anthracene	21.33	228	5030	0.08 ng	#	88
31) 3,3'-Dichlorobenzidine	21.20	252	912	0.03 ng	#	58
32) Chrysene	21.33	228	4799	0.07 ng		93
33) Bis(2-ethylhexyl)phthalate	21.20	149	28217	1.42 ng	#	66
34) Indeno(1,2,3-cd)pyrene	26.31	276	1344	0.02 ng		97
36) Benzo(b)fluoranthene	23.00	252	1579	0.02 ng	#	56
37) Benzo(k)fluoranthene	23.04	252	1396	0.02 ng	#	56
40) Benzo(g,h,i)perylene	27.09	276	1202	0.02 ng	#	77

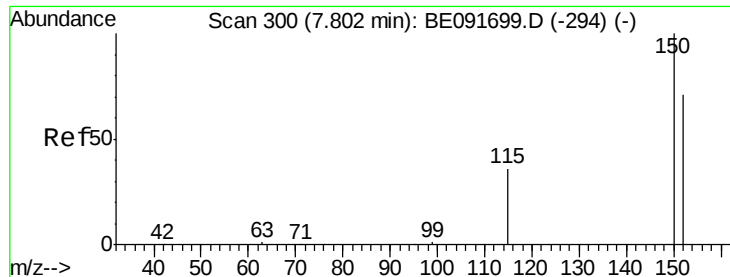
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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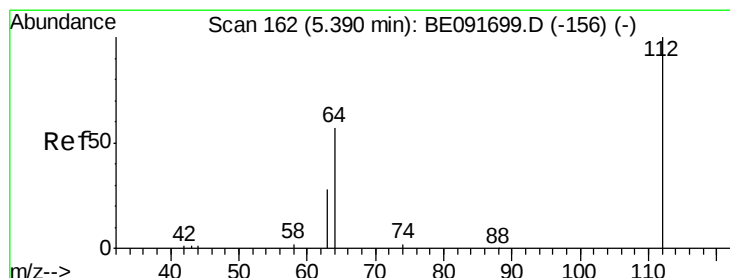
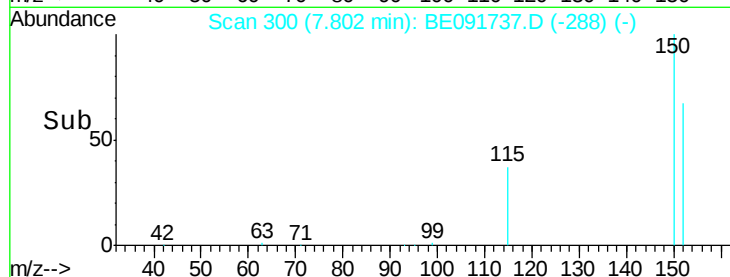
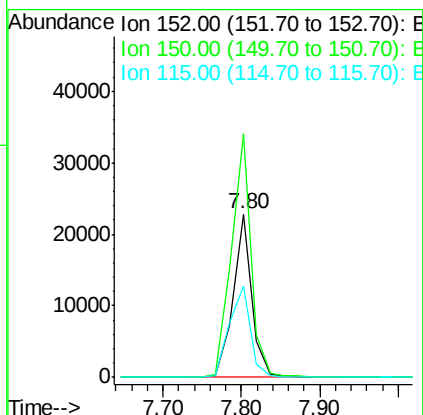
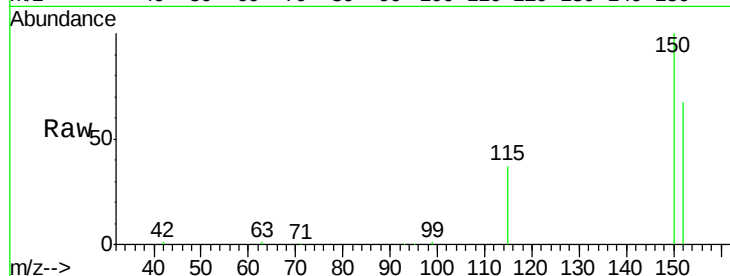


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

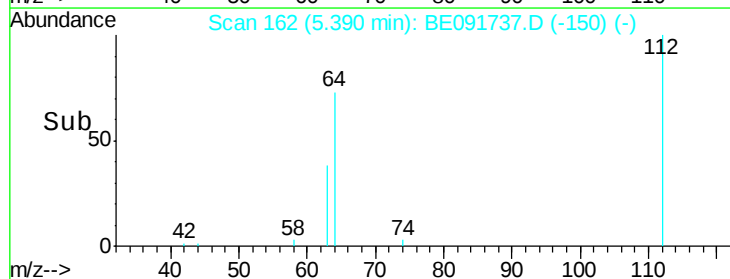
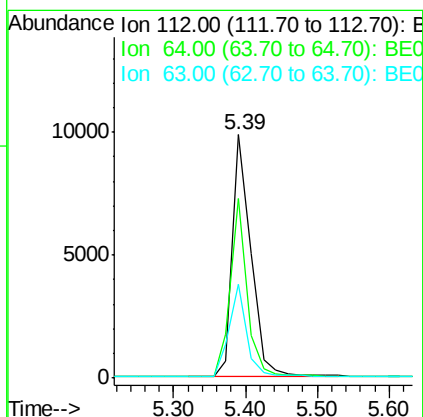
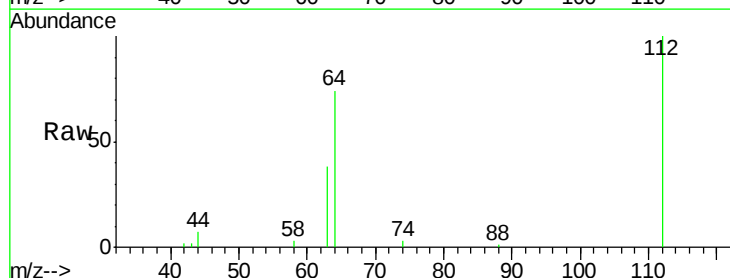
Tgt Ion:152 Resp: 37243
Ion Ratio Lower Upper
152 100
150 149.0 122.6 183.8
115 55.7 52.8 79.2

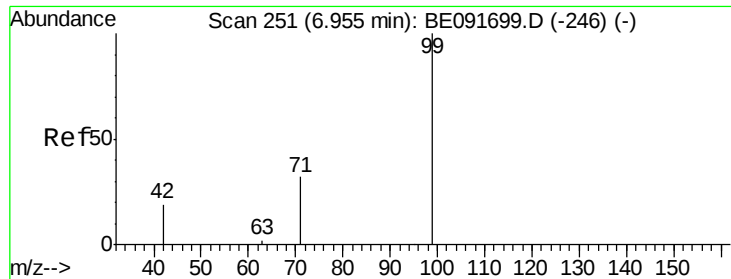


#4

2-Fluorophenol
Concen: 1.92 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion:112 Resp: 17564
Ion Ratio Lower Upper
112 100
64 66.9 30.9 46.3#
63 36.6 16.7 25.1#





#5

Phenol-d6

Concen: 1.01 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

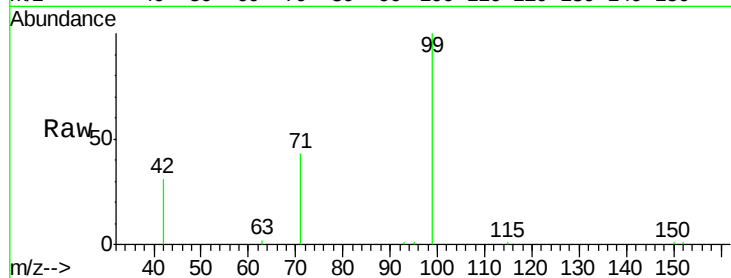
Tgt Ion: 99 Resp: 12305

Ion Ratio Lower Upper

99 100

42 25.7 16.2 24.2#

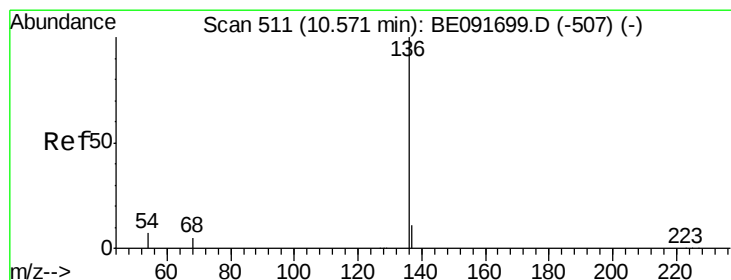
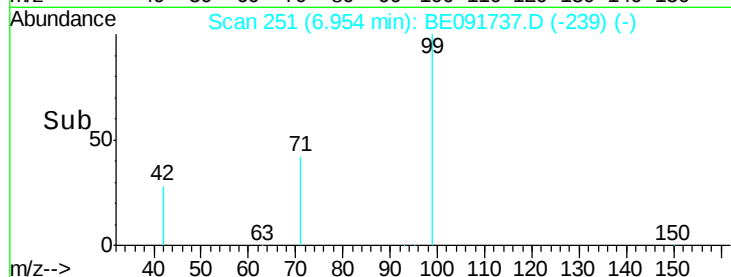
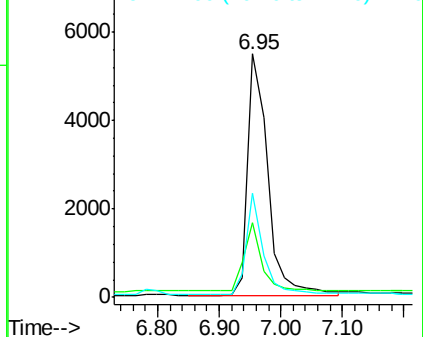
71 36.6 29.0 43.4



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: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Tgt Ion: 136 Resp: 167780

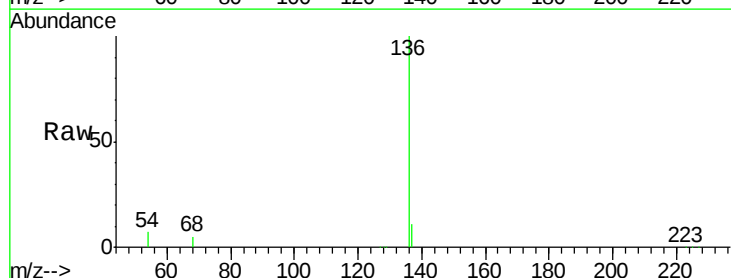
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.6 8.2 12.4#

68 4.9 6.2 9.4#

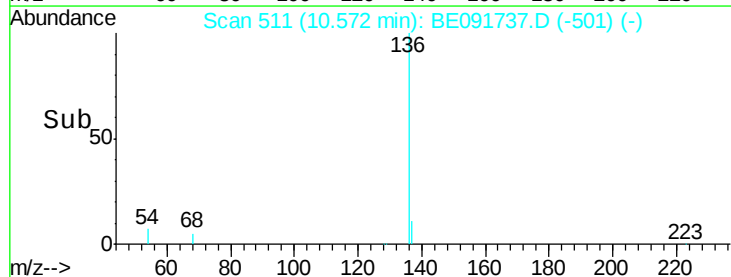
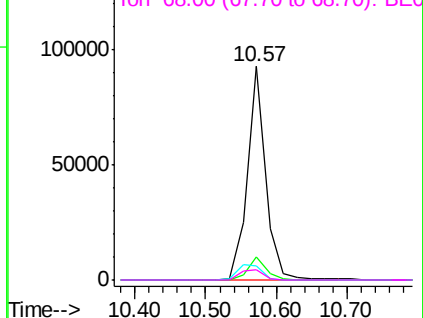


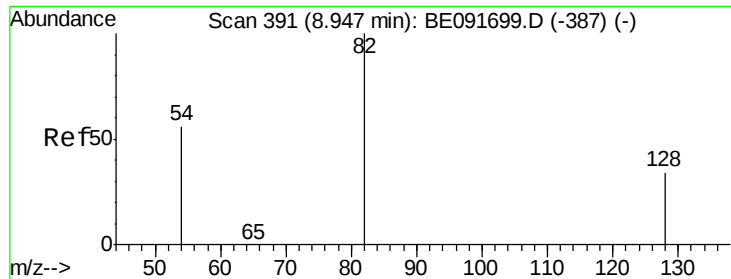
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.13 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

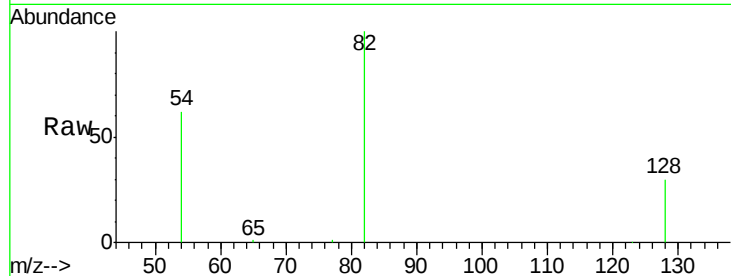
Tgt Ion: 82 Resp: 33910

Ion Ratio Lower Upper

82 100

128 30.0 25.4 38.0

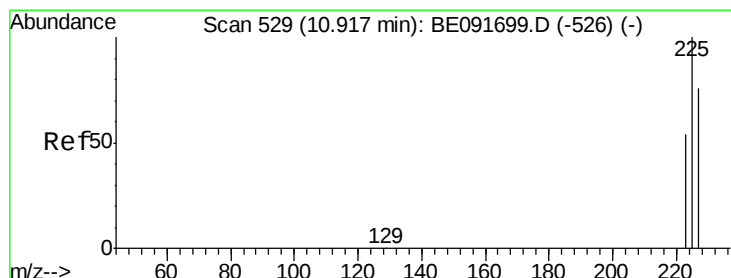
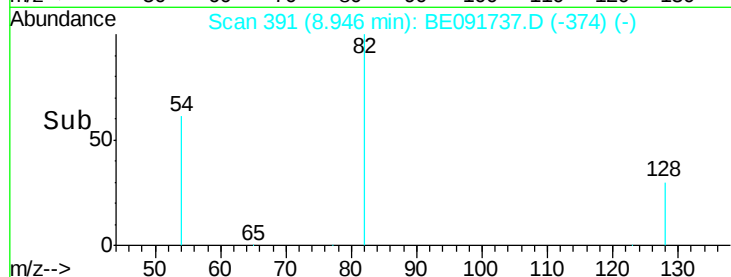
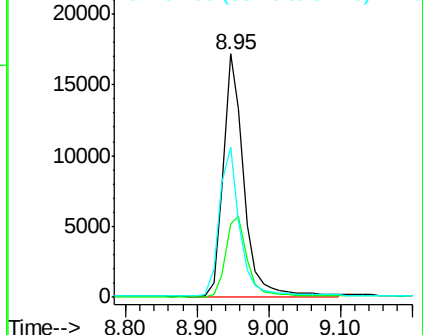
54 61.7 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

Hexachlorobutadiene

Concen: 0.09 ng

RT: 10.90 min Scan# 528

Delta R.T. -0.02 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

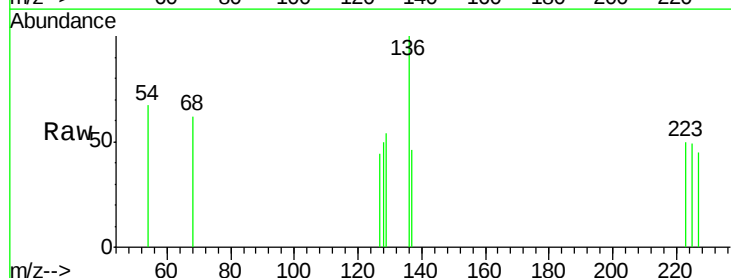
Tgt Ion: 225 Resp: 463

Ion Ratio Lower Upper

225 100

223 0.0 49.0 73.6#

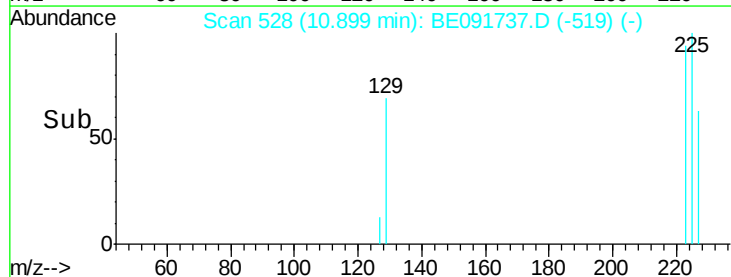
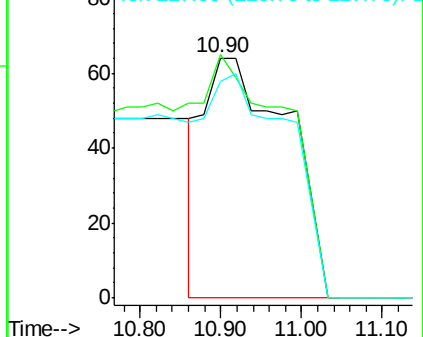
227 0.0 50.3 75.5#

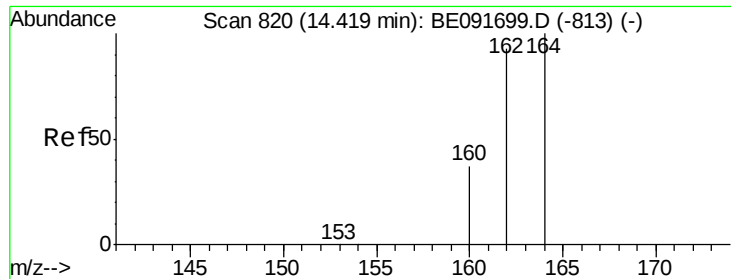


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

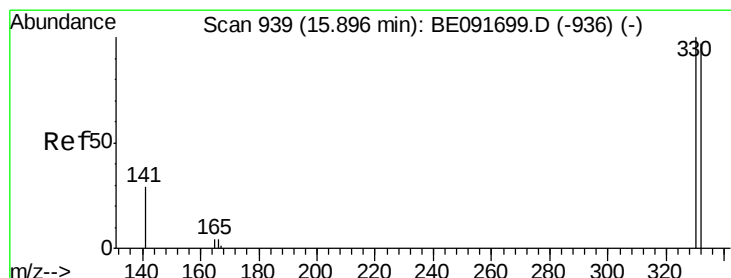
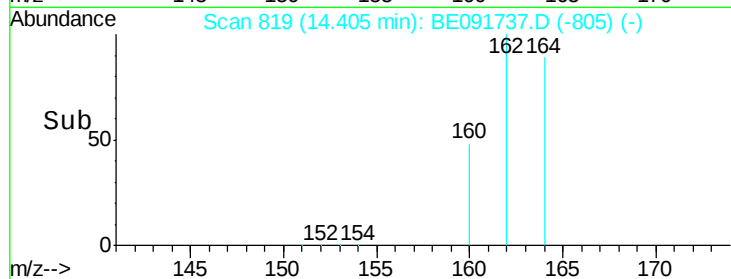
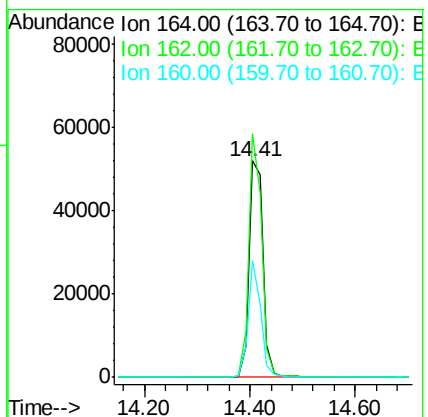
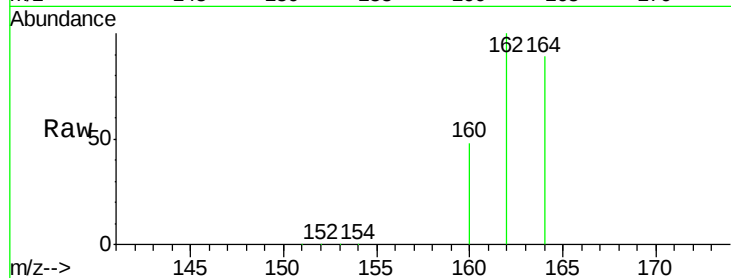
Tgt Ion:164 Resp: 95600

Ion Ratio Lower Upper

164 100

162 112.4 85.3 127.9

160 53.9 46.2 69.2



#14

2,4,6-Tribromophenol

Concen: 5.79 ng

RT: 15.90 min Scan# 939

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

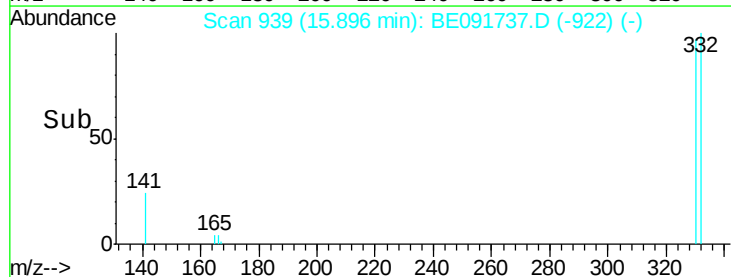
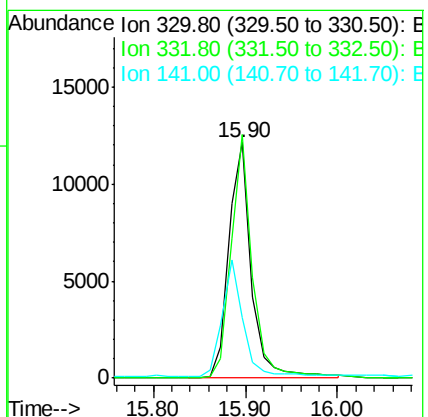
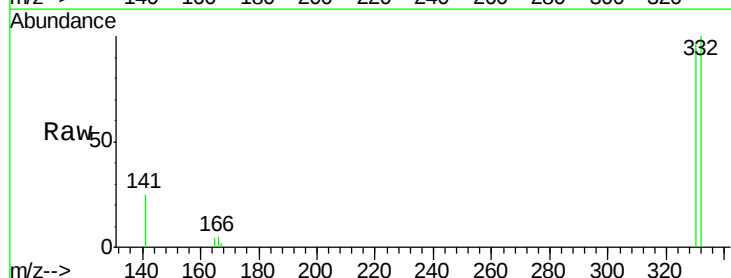
Tgt Ion:330 Resp: 20434

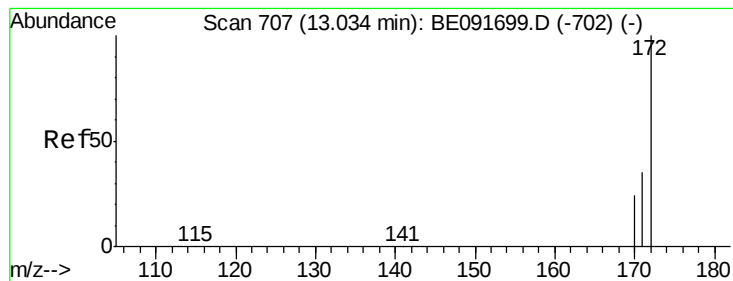
Ion Ratio Lower Upper

330 100

332 97.1 79.1 118.7

141 46.2 125.4 188.0#

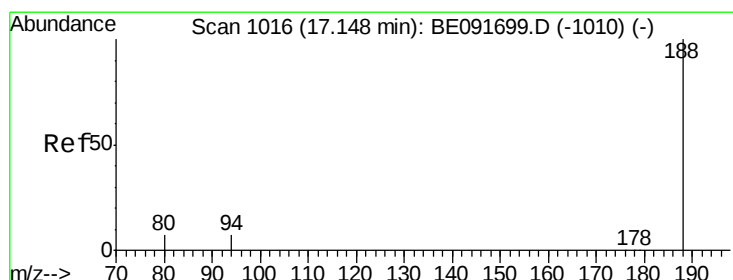
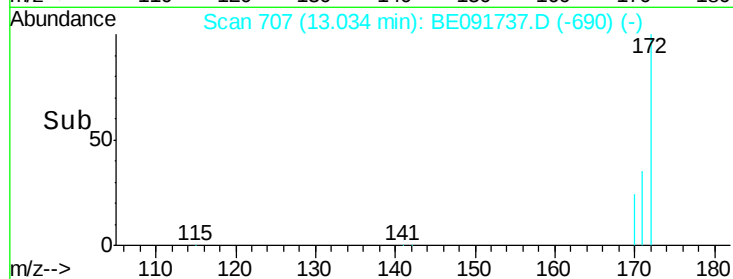
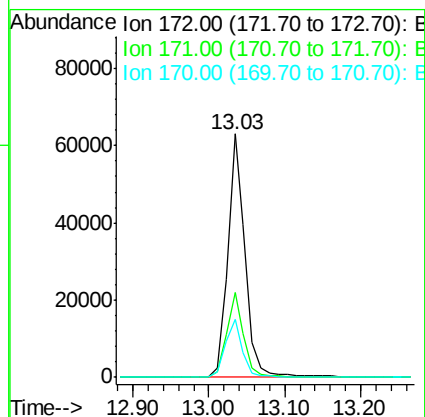
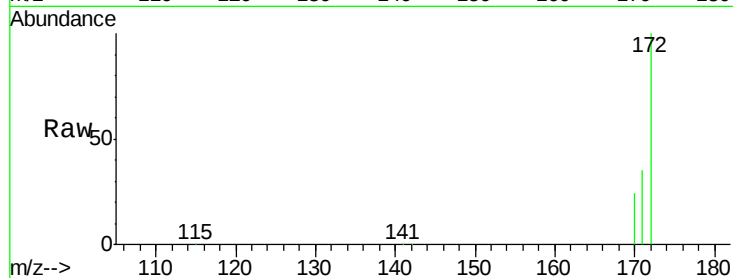




#15
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 13.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

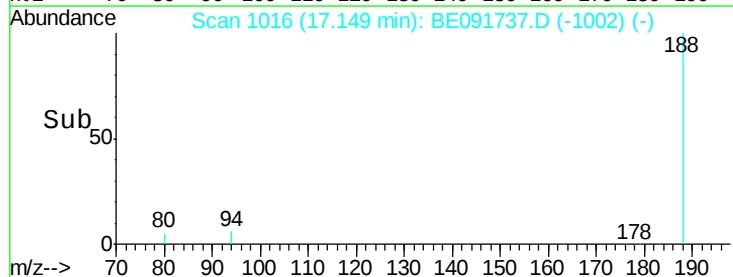
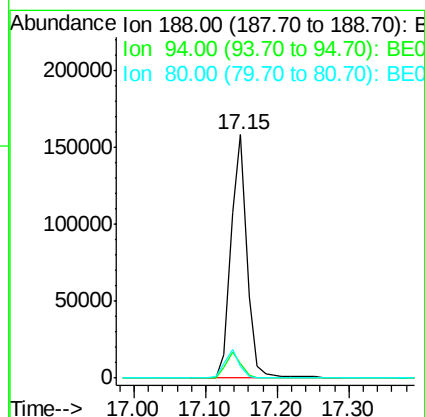
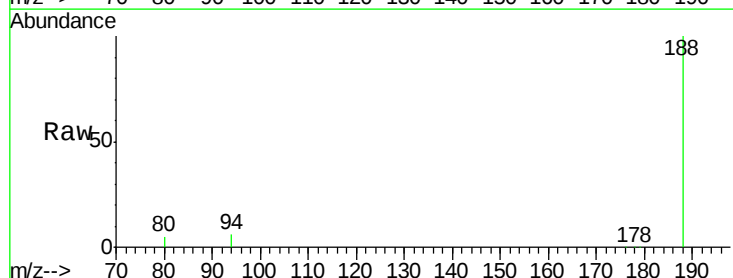
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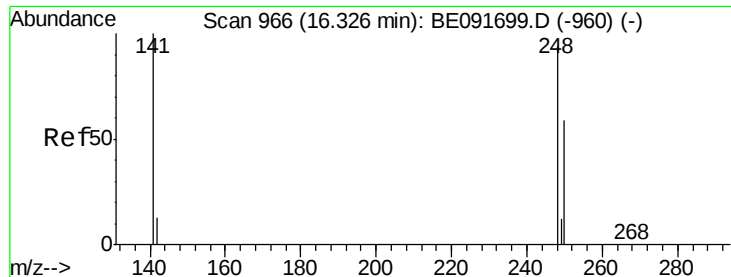
Tgt Ion:172 Resp: 101681
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.9 19.3 28.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion:188 Resp: 244751
Ion Ratio Lower Upper
188 100
94 5.8 8.7 13.1#
80 5.1 9.4 14.0#

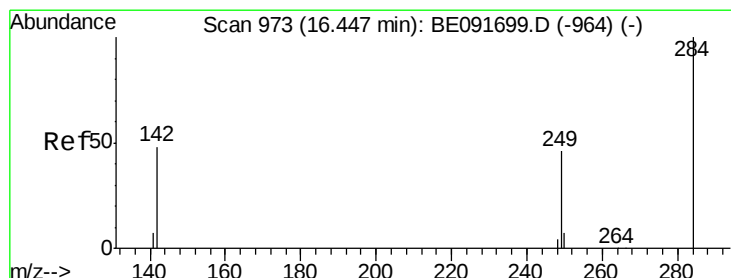
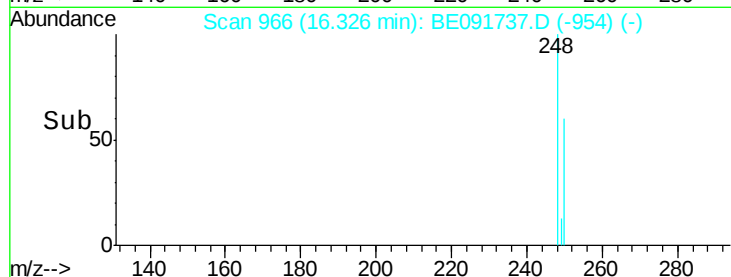
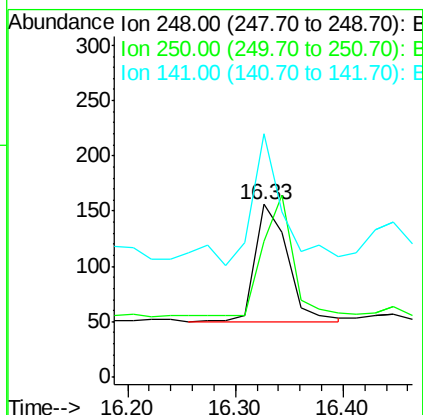
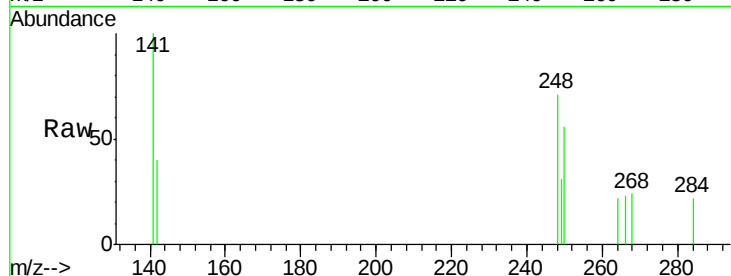




#20
4-Bromophenyl-phenylether
Concen: 0.03 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

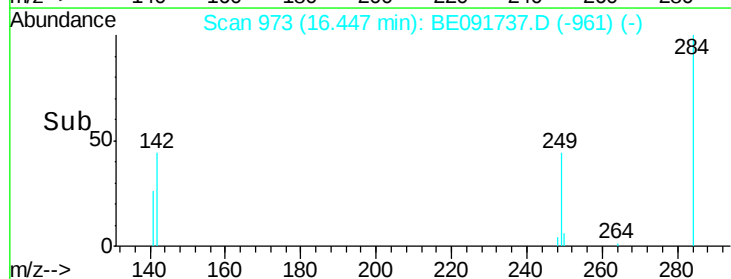
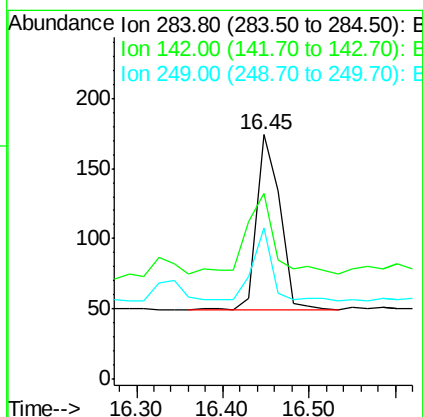
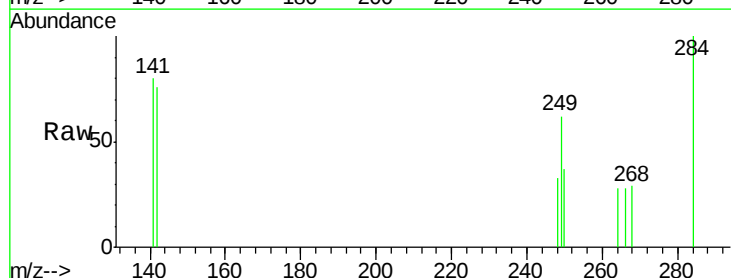
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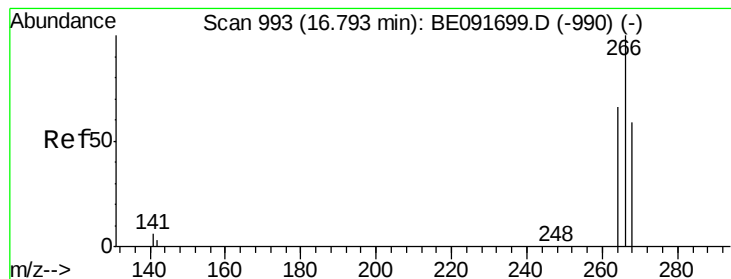
Tgt Ion: 248 Resp: 224
Ion Ratio Lower Upper
248 100
250 94.2 80.5 120.7
141 93.8 72.0 108.0



#21
Hexachlorobenzene
Concen: 0.03 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion: 284 Resp: 238
Ion Ratio Lower Upper
284 100
142 54.2 32.2 48.2#
249 36.1 25.4 38.2





#22

Pentachlorophenol

Concen: 0.12 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

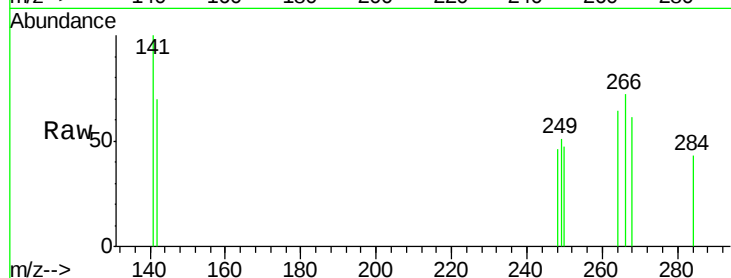
Tgt Ion:266 Resp: 107

Ion Ratio Lower Upper

266 100

268 84.5 58.2 87.2

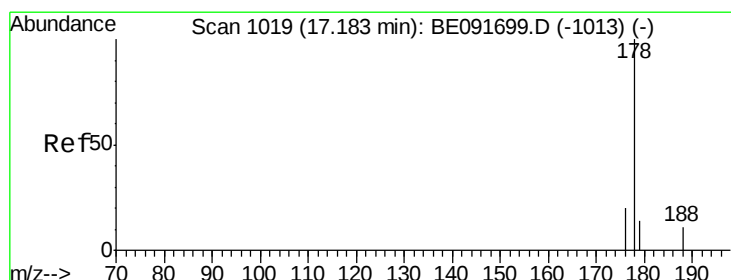
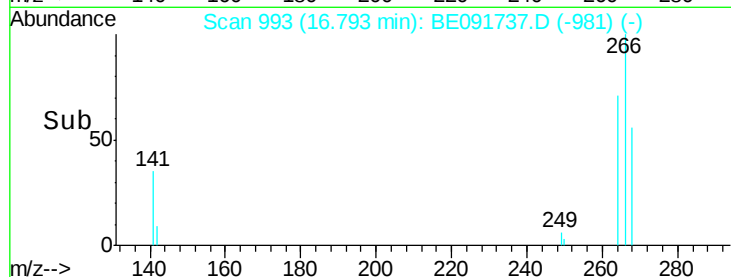
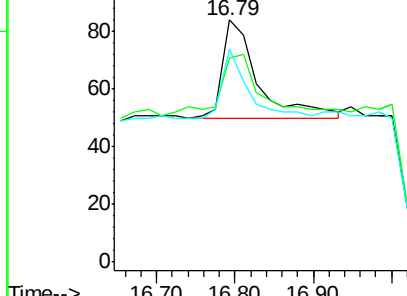
264 88.1 56.2 84.4#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#23

Phenanthrene

Concen: 0.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

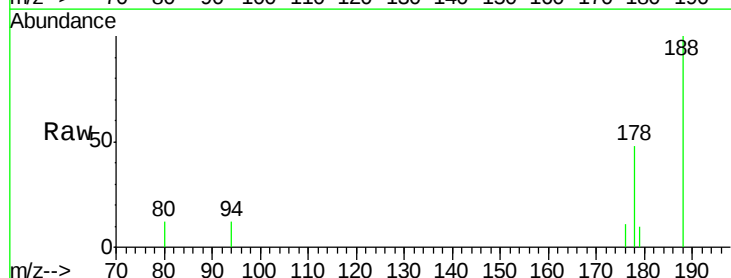
Tgt Ion:178 Resp: 1777

Ion Ratio Lower Upper

178 100

176 17.9 15.3 22.9

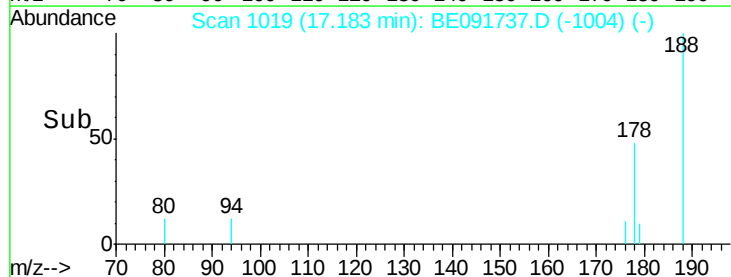
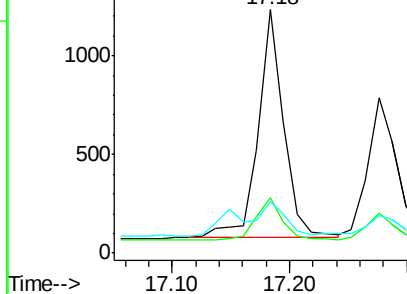
179 0.0 12.6 18.8#

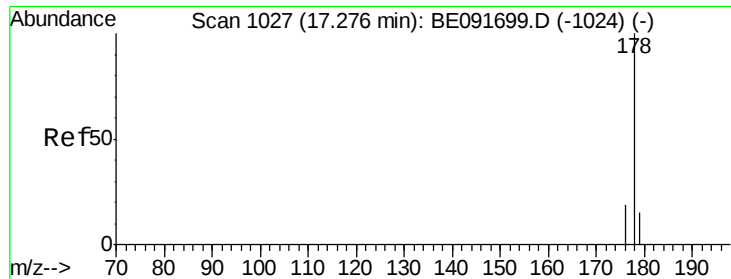


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.03 ng

RT: 17.28 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

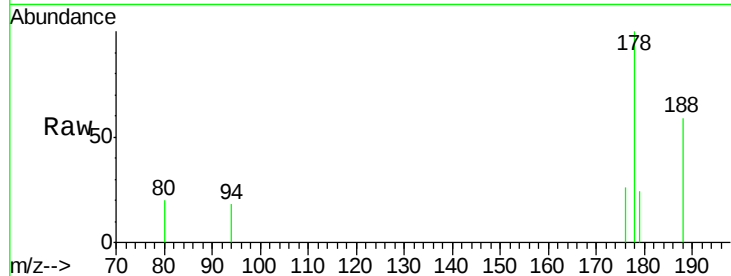
Tgt Ion:178 Resp: 1295

Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

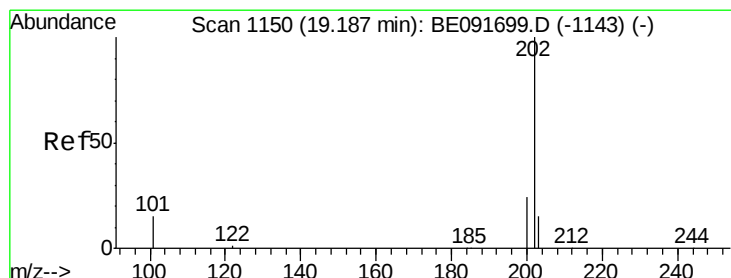
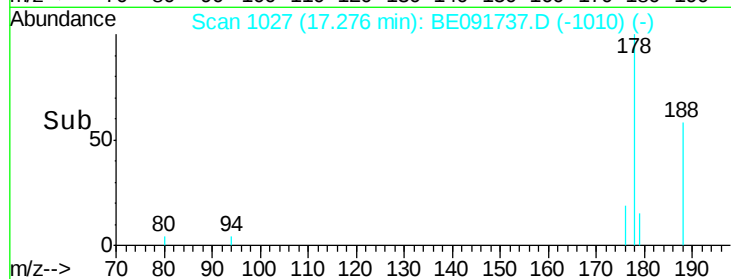
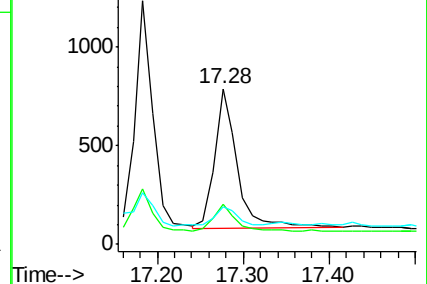
179 14.4 11.8 17.6



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



#25

Fluoranthene

Concen: 0.03 ng

RT: 19.19 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

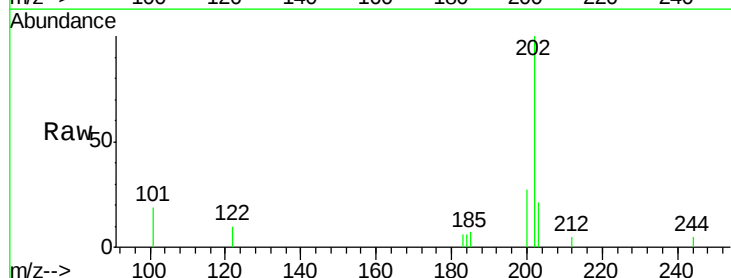
Tgt Ion:202 Resp: 1855

Ion Ratio Lower Upper

202 100

101 15.0 11.0 16.6

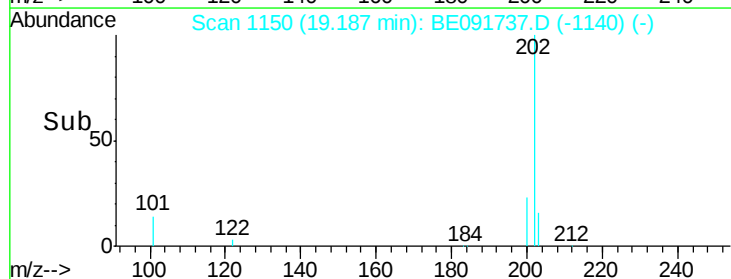
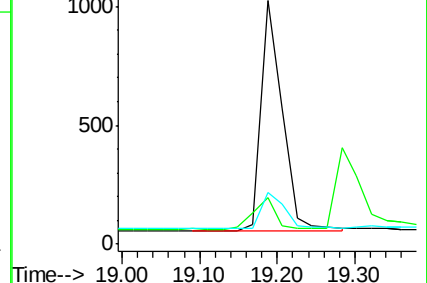
203 18.0 13.9 20.9

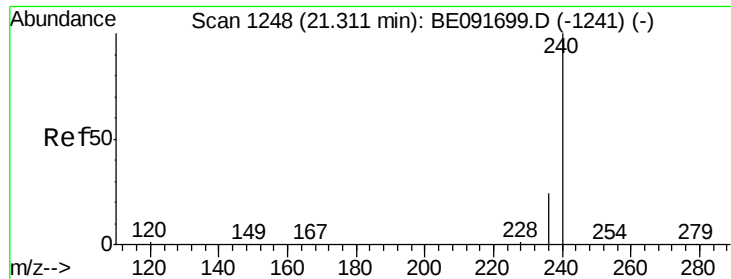


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

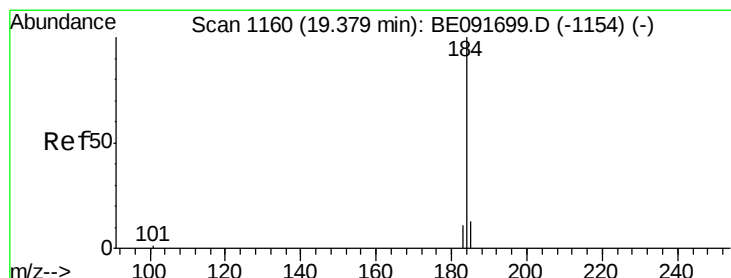
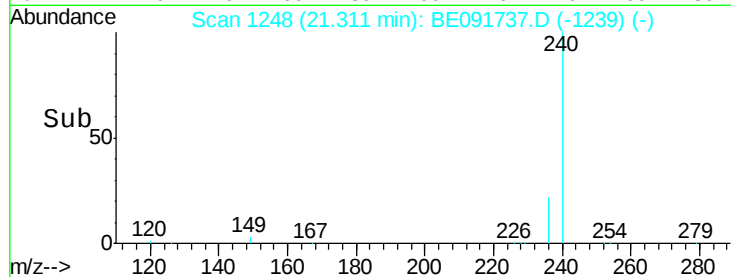
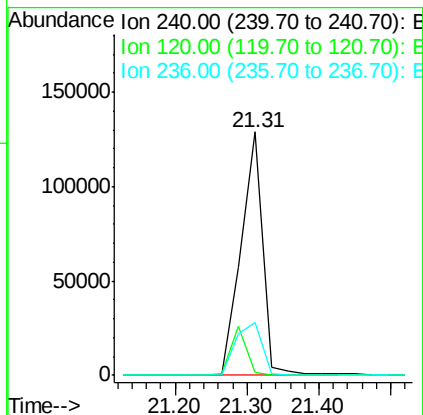
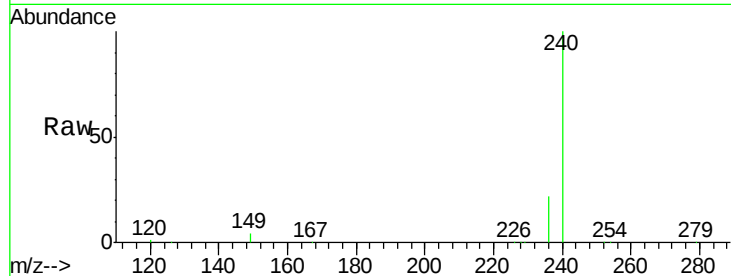




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

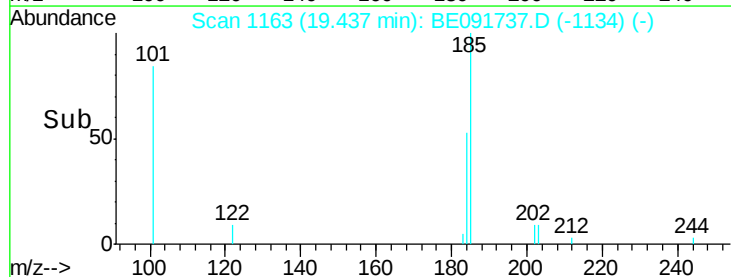
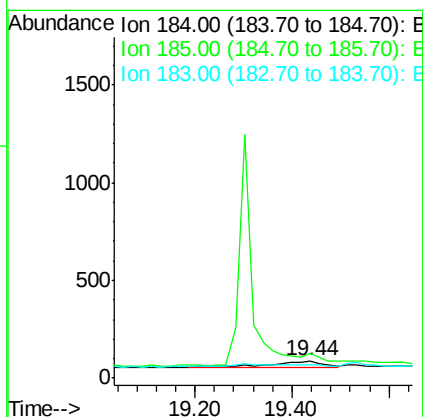
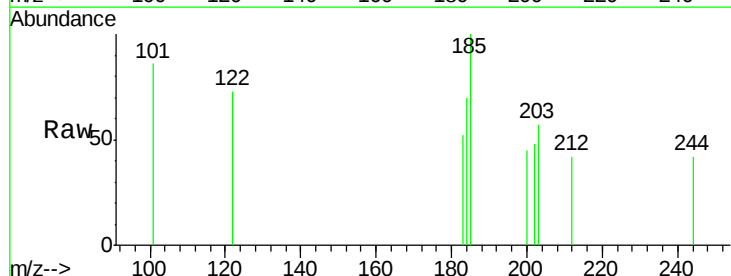
Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

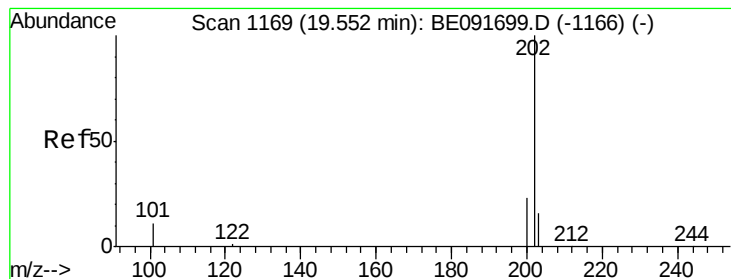
Tgt Ion:240 Resp: 268070
Ion Ratio Lower Upper
240 100
120 1.0 11.0 16.4#
236 21.9 21.7 32.5



#27
Benzidine
Concen: 0.17 ng
RT: 19.44 min Scan# 1163
Delta R.T. 0.06 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion:184 Resp: 199
Ion Ratio Lower Upper
184 100
185 142.0 22.3 33.5#
183 73.9 16.4 24.6#





#28

Pyrene

Concen: 0.03 ng

RT: 19.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

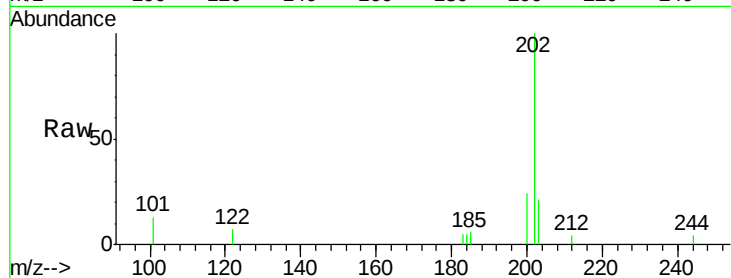
Tgt Ion:202 Resp: 2034

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

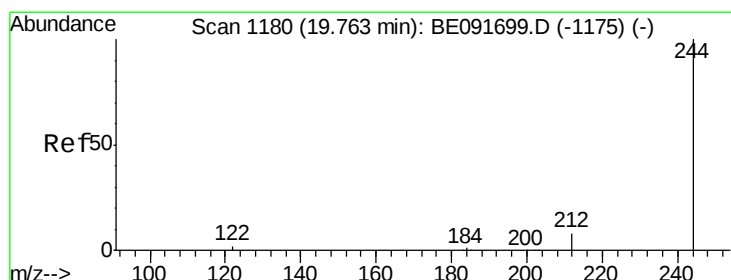
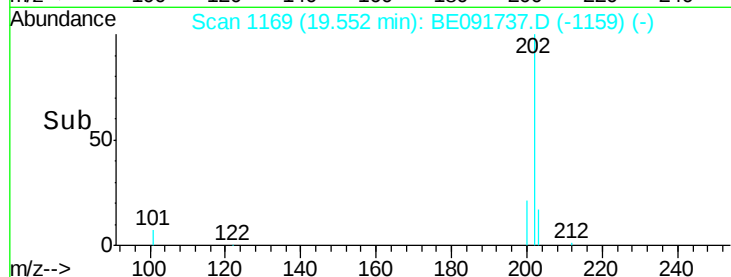
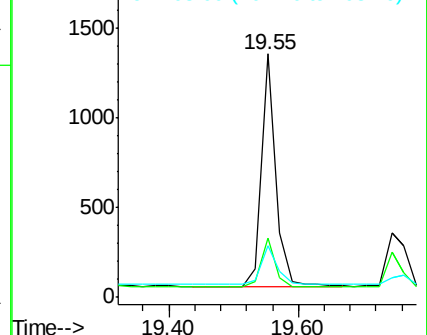
203 19.4 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 4.52 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

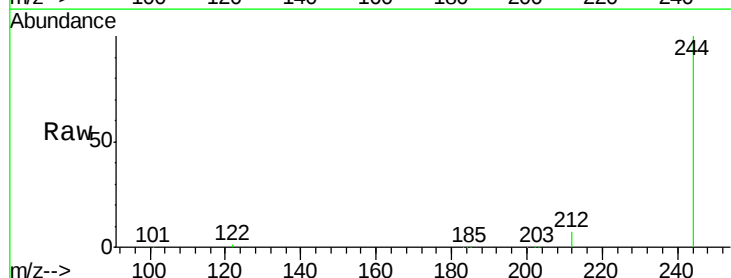
Tgt Ion:244 Resp: 189148

Ion Ratio Lower Upper

244 100

212 7.1 6.9 10.3

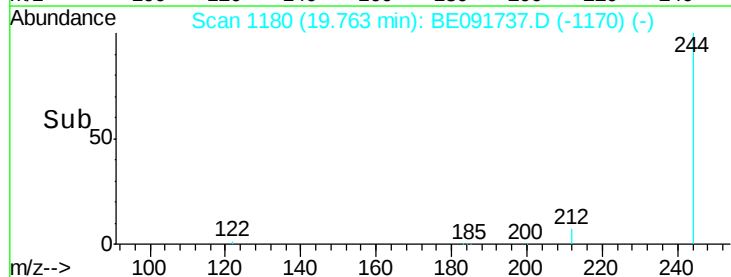
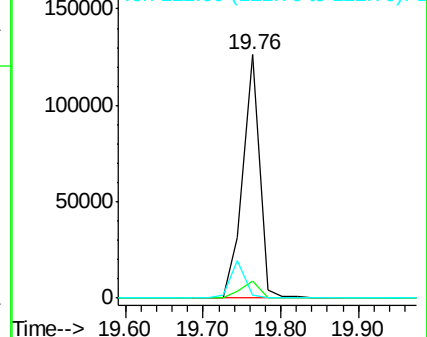
122 1.0 11.0 16.4#

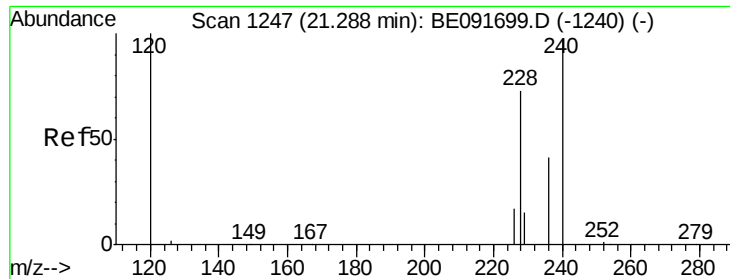


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.33 min Scan# 1249

Delta R.T. 0.05 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

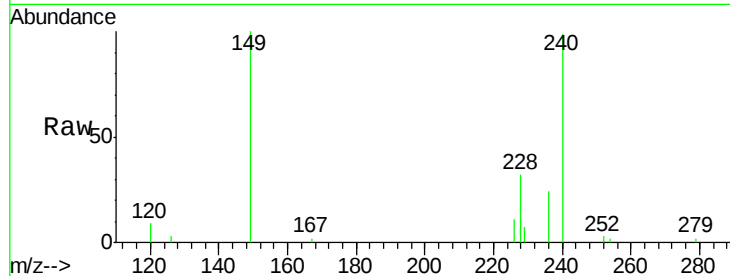
Tgt Ion:228 Resp: 5030

Ion Ratio Lower Upper

228 100

226 34.0 21.0 31.4#

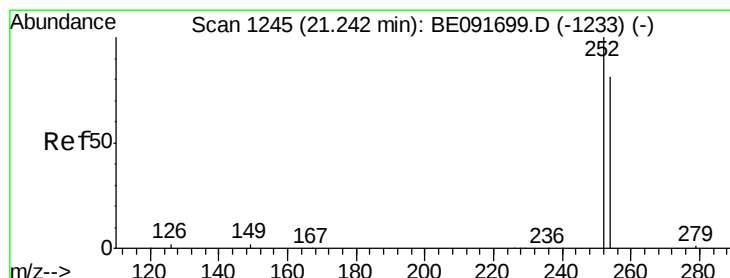
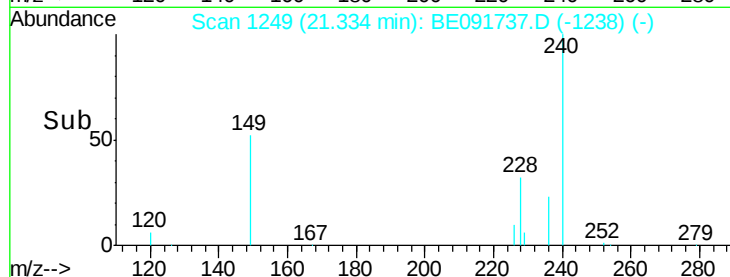
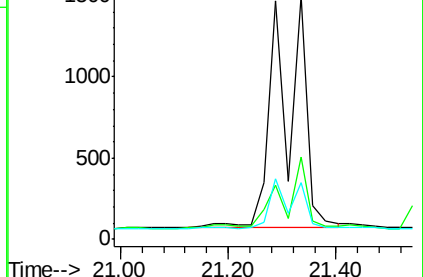
229 23.3 15.7 23.5



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

3,3'-Dichlorobenzidine

Concen: 0.03 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.05 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

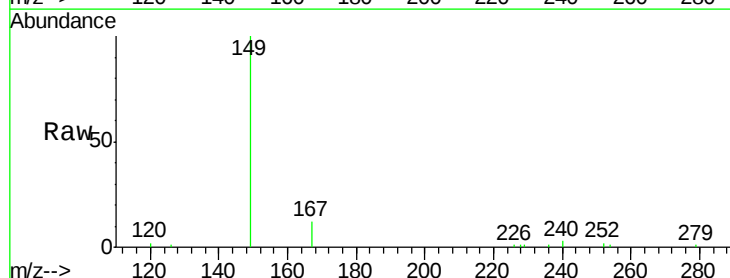
Tgt Ion:252 Resp: 912

Ion Ratio Lower Upper

252 100

254 54.5 51.1 76.7

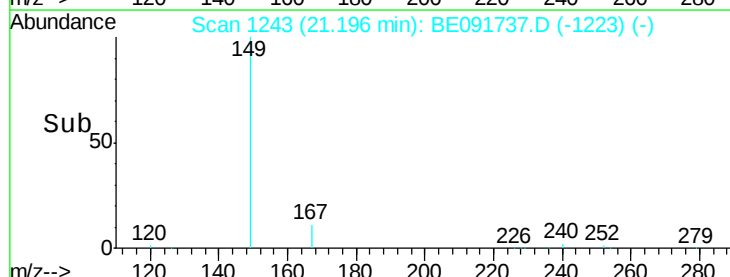
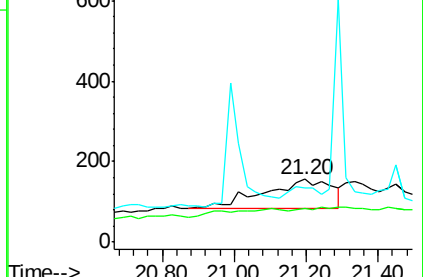
126 85.9 12.6 18.8#

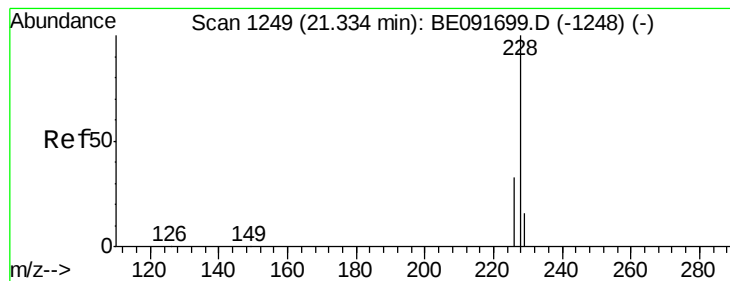


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 0.07 ng

RT: 21.33 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427

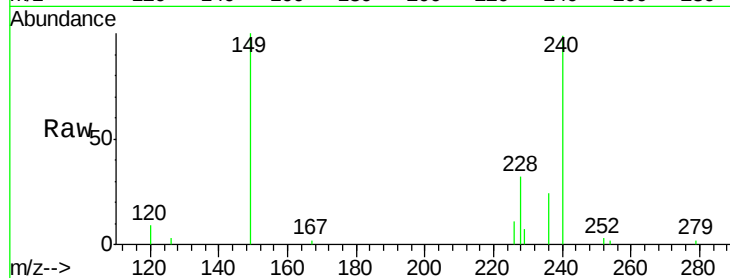
Tgt Ion:228 Resp: 4799

Ion Ratio Lower Upper

228 100

226 34.0 24.0 36.0

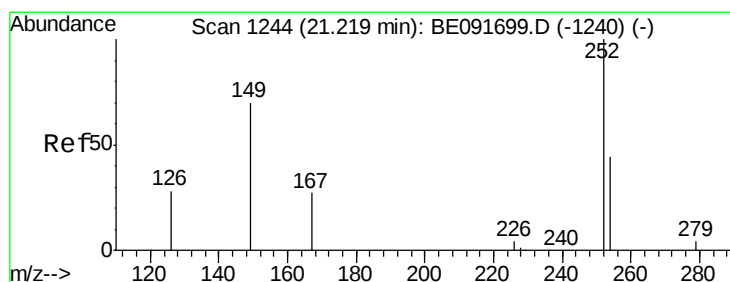
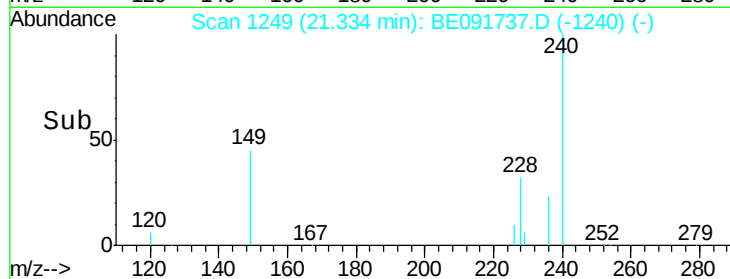
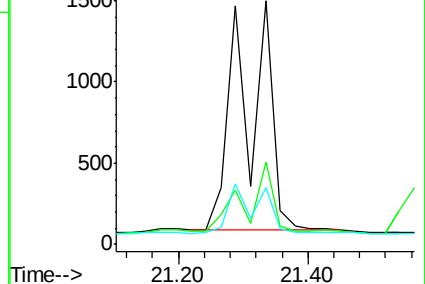
229 23.3 15.9 23.9



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 1.42 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091737.D

Acq: 29 Apr 2016 17:17

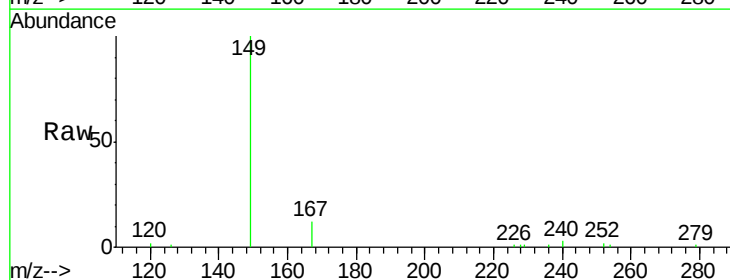
Tgt Ion:149 Resp: 28217

Ion Ratio Lower Upper

149 100

167 6.6 19.5 29.3#

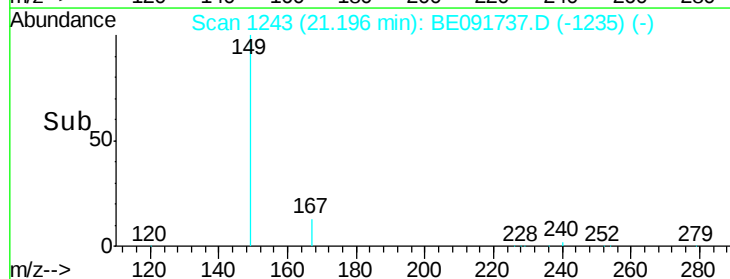
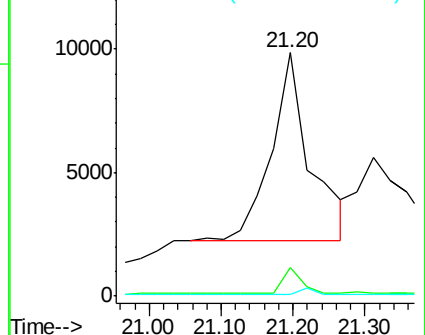
279 0.0 10.0 15.0#

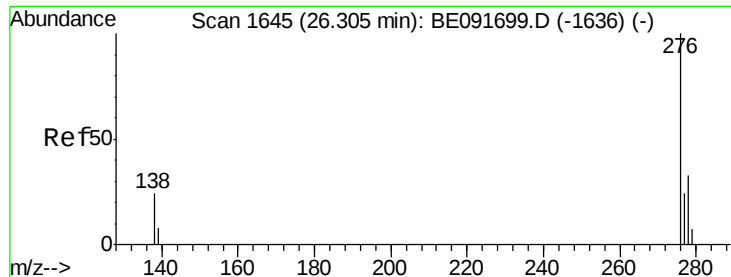


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

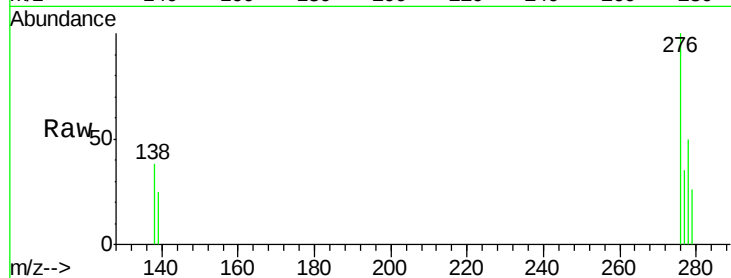




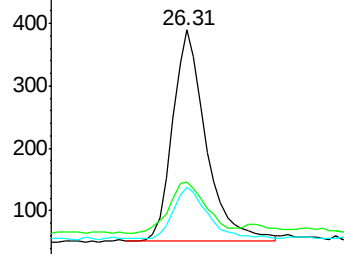
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.02 ng
 RT: 26.31 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: BE091737.D
 Acq: 29 Apr 2016 17:17

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160427

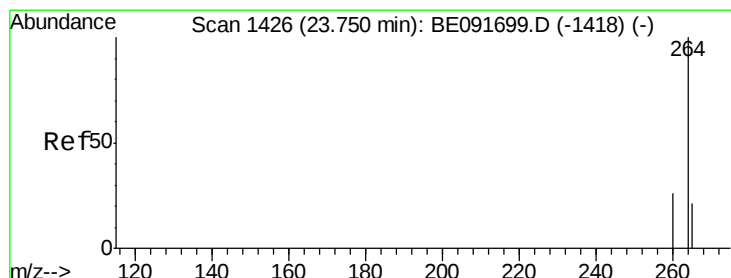
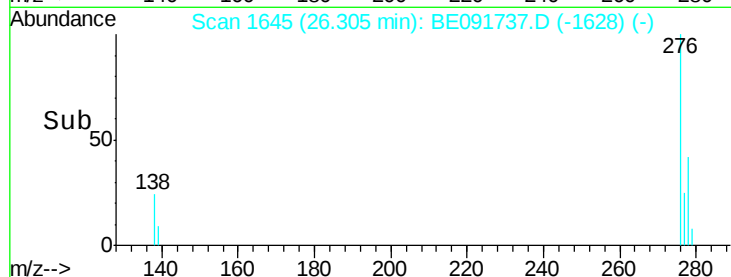
Tgt Ion: 276 Resp: 1344
 Ion Ratio Lower Upper
 276 100
 138 26.8 23.4 35.2
 277 25.3 19.8 29.8



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

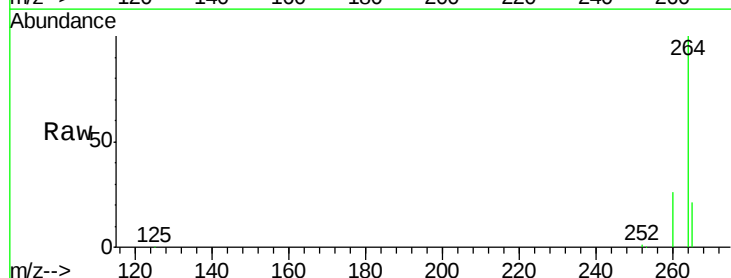


Time-->

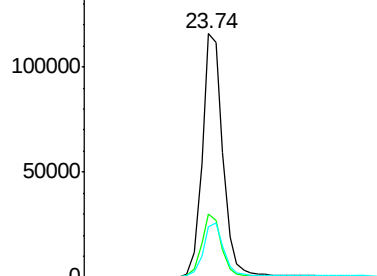


#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.74 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BE091737.D
 Acq: 29 Apr 2016 17:17

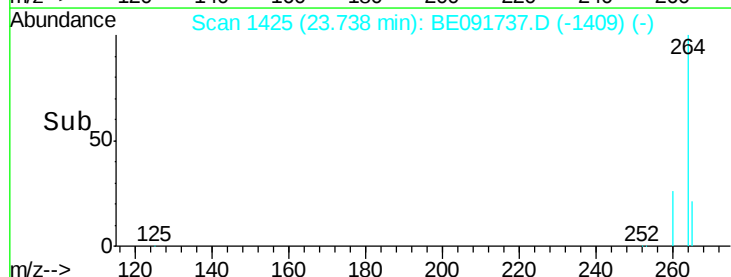
Tgt Ion: 264 Resp: 270807
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.0 30.0
 265 20.9 17.5 26.3

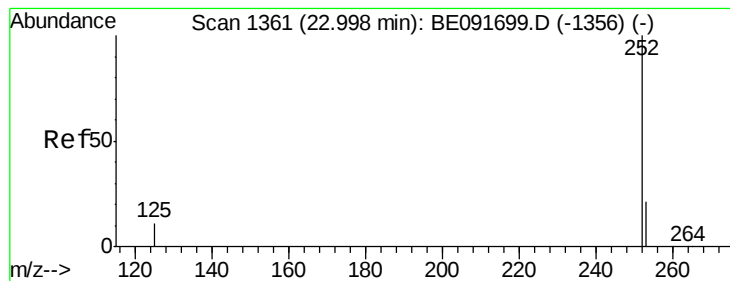


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->

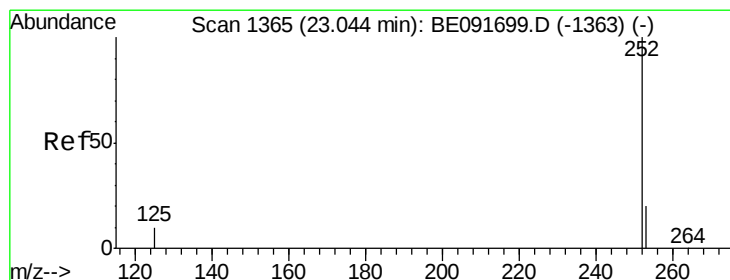
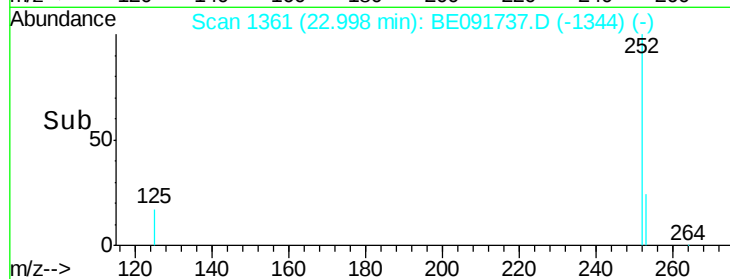
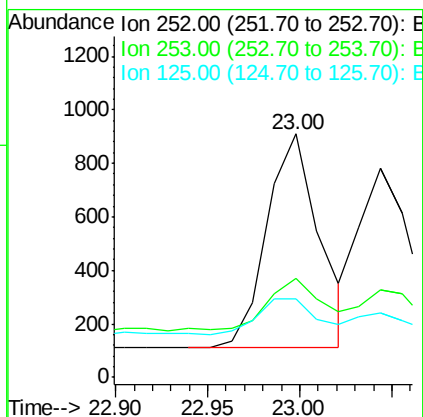
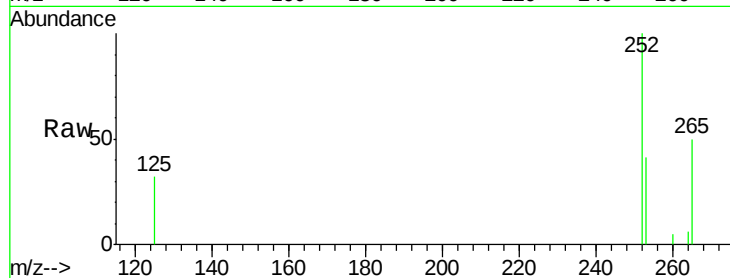




#36
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 23.00 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

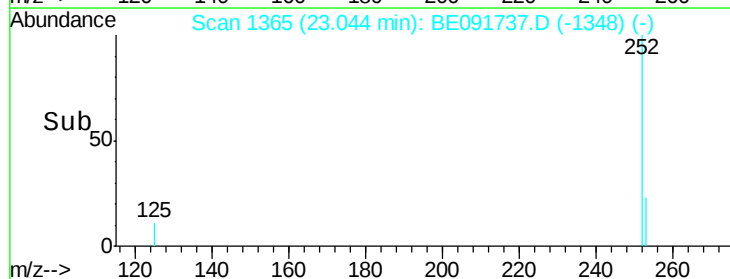
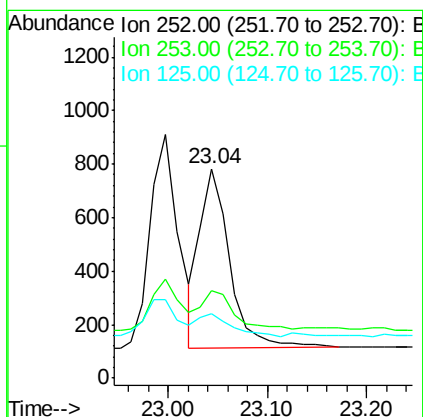
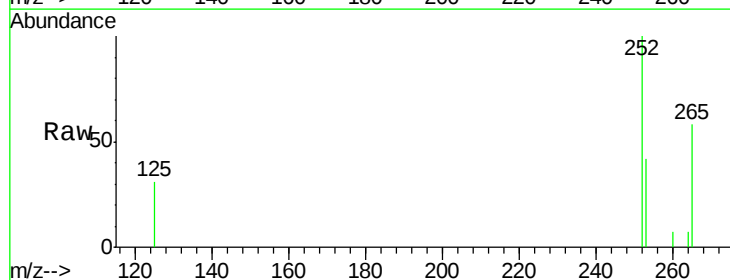
Instrument :
BNA_E
ClientSampleId :
KY038PS038-160427

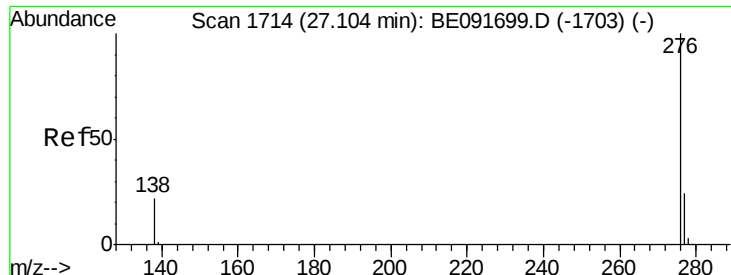
Tgt Ion:252 Resp: 1579
Ion Ratio Lower Upper
252 100
253 40.5 17.4 26.0#
125 32.4 10.2 15.2#



#37
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE091737.D
Acq: 29 Apr 2016 17:17

Tgt Ion:252 Resp: 1396
Ion Ratio Lower Upper
252 100
253 41.9 17.6 26.4#
125 30.9 9.9 14.9#





#40

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091737.D

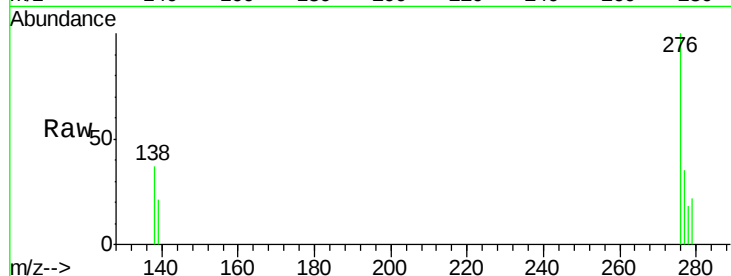
Acq: 29 Apr 2016 17:17

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160427



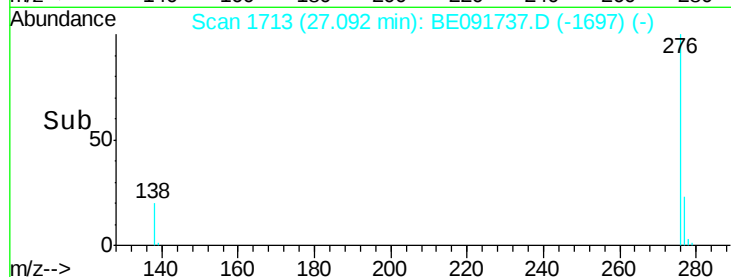
Tgt Ion: 276 Resp: 1202

Ion Ratio Lower Upper

276 100

277 35.5 18.6 28.0#

138 36.6 20.4 30.6#



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

