

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042916\
 Data File : BE091738.D
 Acq On : 29 Apr 2016 17:53
 Operator : UM/SJ
 Sample : H2769-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160427

Quant Time: Apr 29 23:08:00 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	32701	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	148290	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	86557	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	221987	5.00	ng	0.00
26) Chrysene-d12	21.31	240	255955	5.00	ng	0.00
35) Perylene-d12	23.74	264	253467	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	14190	1.77	ng	0.00
5) Phenol-d6	6.96	99	11252	1.06	ng	0.00
8) Nitrobenzene-d5	8.95	82	29074	3.04	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	25315	7.86	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	95711	3.91	ng	0.00
29) Terphenyl-d14	19.76	244	207381	5.20	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.56	42	251	0.04	ng	# 1
20) 4-Bromophenyl-phenylether	16.32	248	203	0.03	ng	# 1
21) Hexachlorobenzene	16.45	284	211	0.03	ng	# 62
22) Pentachlorophenol	16.79	266	179	0.14	ng	93
23) Phenanthrene	17.27	178	2635	0.05	ng	97
24) Anthracene	17.27	178	2813	0.06	ng	98
25) Fluoranthene	19.19	202	2229	0.04	ng	# 79
27) Benzidine	19.45	184	352	0.18	ng	# 1
28) Pyrene	19.55	202	2335	0.04	ng	95
30) Benzo(a)anthracene	21.33	228	4767	0.08	ng	# 87
32) Chrysene	21.33	228	4699	0.07	ng	# 92
33) Bis(2-ethylhexyl)phthalate	21.20	149	8162	0.43	ng	# 87
34) Indeno(1,2,3-cd)pyrene	26.29	276	1462	0.03	ng	97
36) Benzo(b)fluoranthene	23.00	252	1894	0.03	ng	# 48
37) Benzo(k)fluoranthene	23.04	252	1433	0.02	ng	# 52
38) Benzo(a)pyrene	23.63	252	1334	0.02	ng	# 31
39) Dibenzo(a,h)anthracene	26.32	278	1063	0.02	ng	# 66
40) Benzo(g,h,i)perylene	27.09	276	1308	0.02	ng	# 77

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

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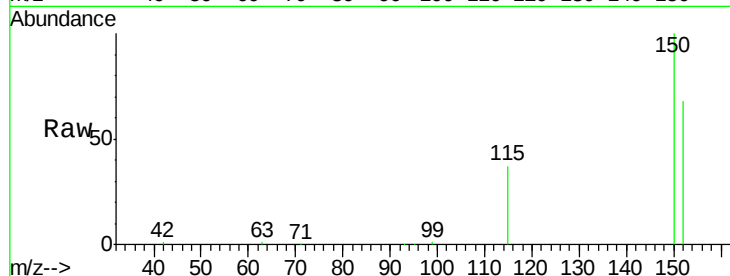
Tgt Ion:152 Resp: 32701

Ion Ratio Lower Upper

152 100

150 146.2 122.6 183.8

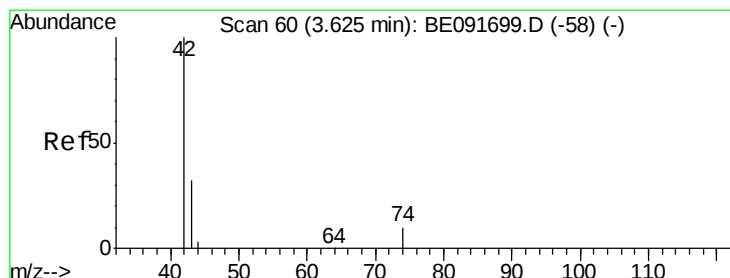
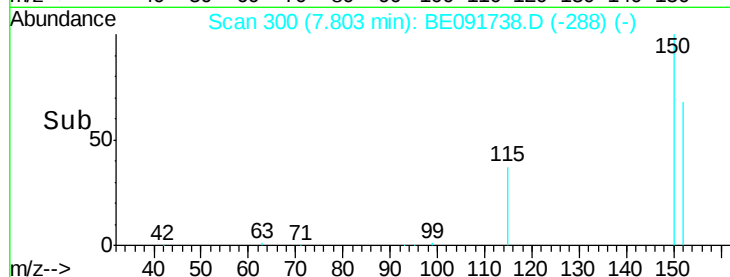
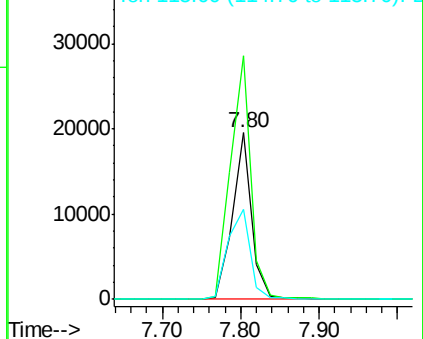
115 53.9 52.8 79.2



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



#3

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 3.56 min Scan# 56

Delta R.T. -0.07 min

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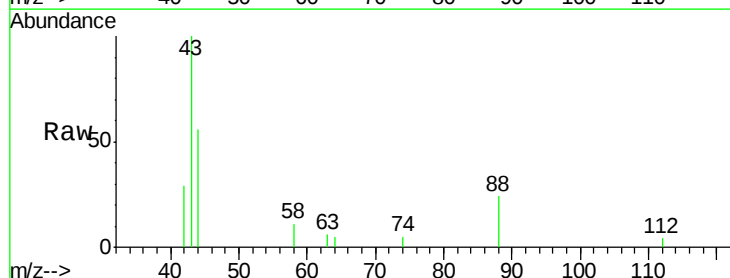
Tgt Ion: 42 Resp: 251

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

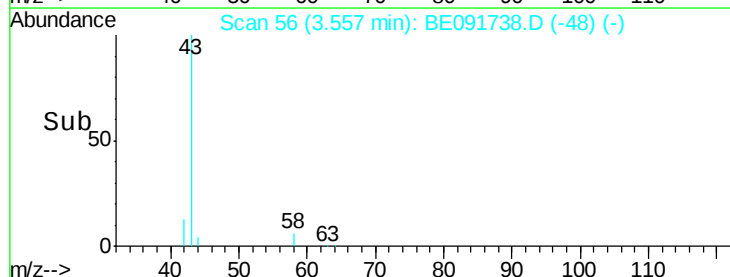
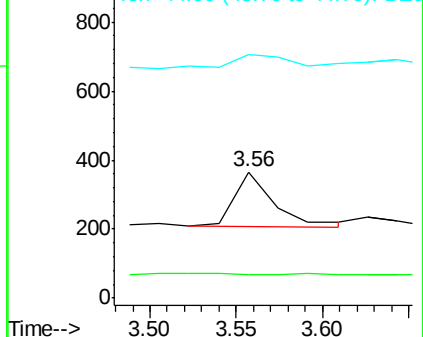
44 41.8 6.6 9.8#

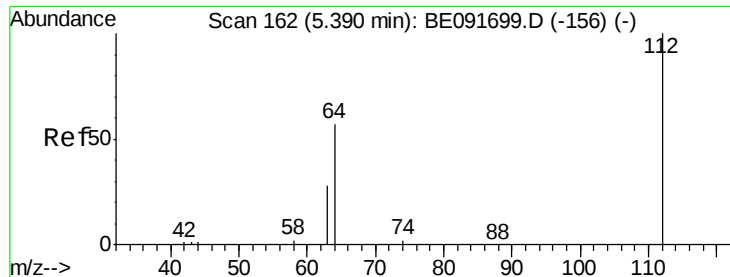


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 1.77 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

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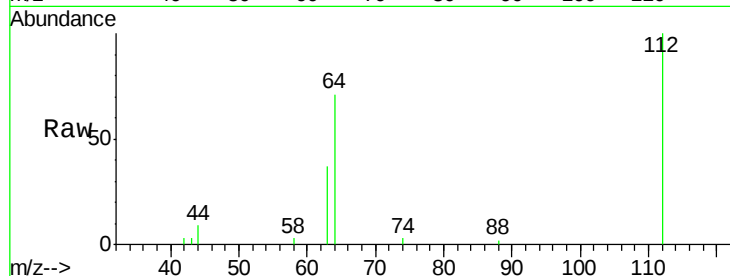
Tgt Ion: 112 Resp: 14190

Ion Ratio Lower Upper

112 100

64 67.3 30.9 46.3#

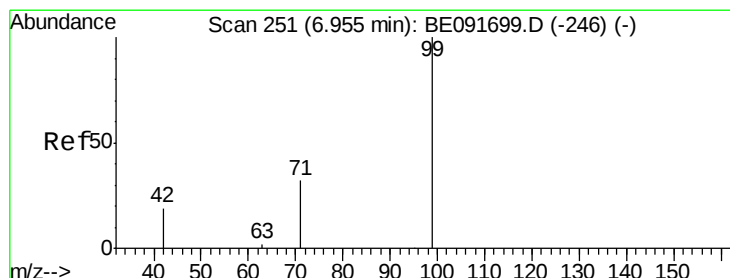
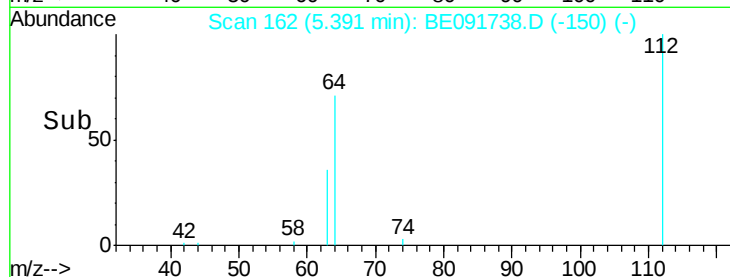
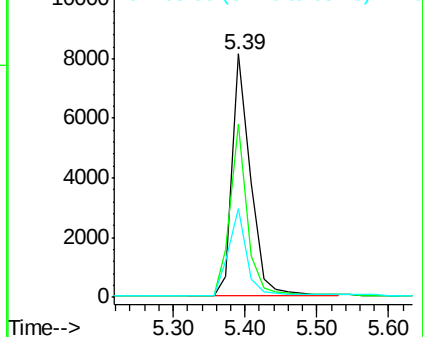
63 36.6 16.7 25.1#



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: 1.06 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

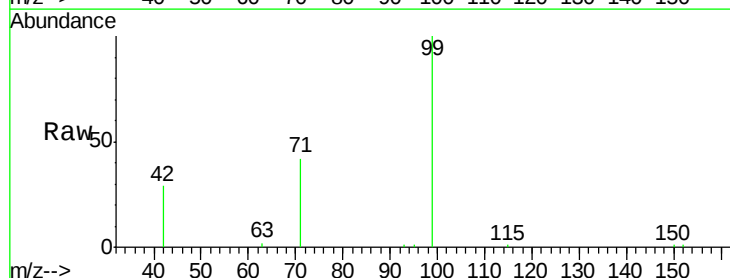
Tgt Ion: 99 Resp: 11252

Ion Ratio Lower Upper

99 100

42 25.3 16.2 24.2#

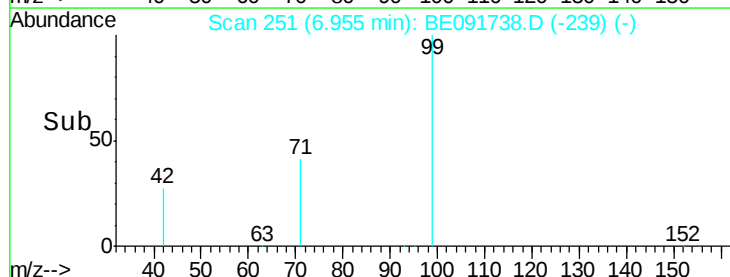
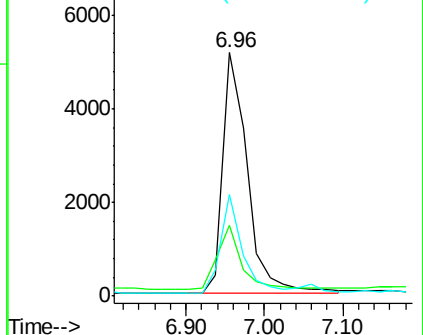
71 36.1 29.0 43.4

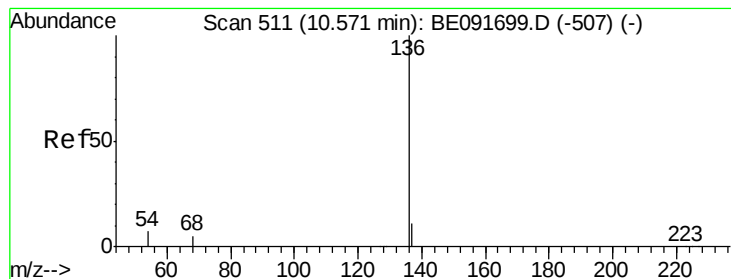


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 148290

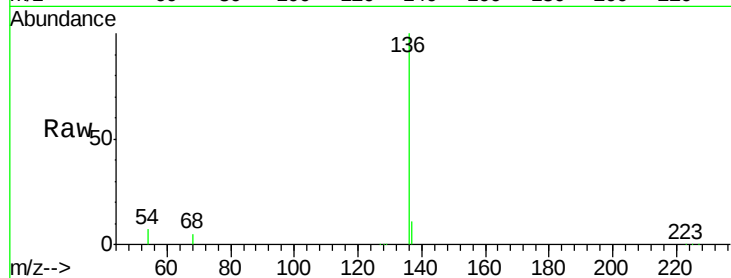
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.0 8.2 12.4#

68 5.2 6.2 9.4#

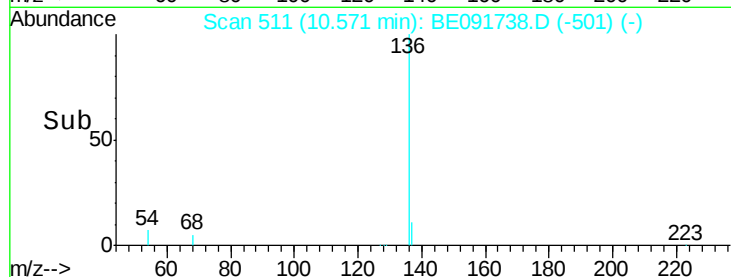


Abundance Ion 136.00 (135.70 to 136.70): E

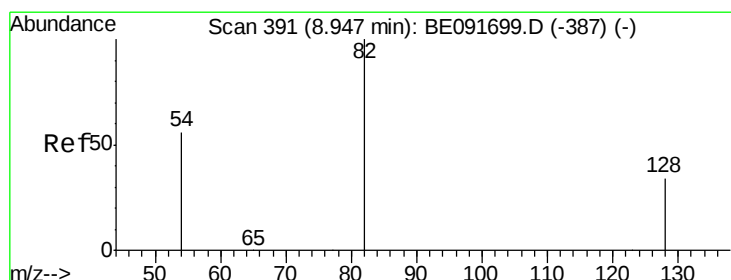
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.40 10.50 10.60 10.70



#8

Nitrobenzene-d5

Concen: 3.04 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

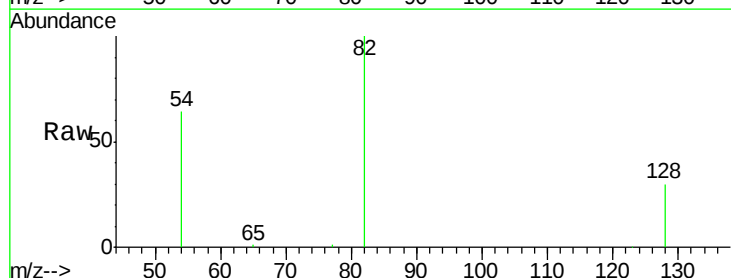
Tgt Ion: 82 Resp: 29074

Ion Ratio Lower Upper

82 100

128 29.9 25.4 38.0

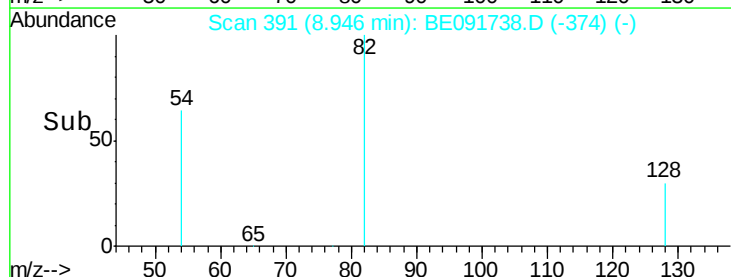
54 64.0 48.4 72.6



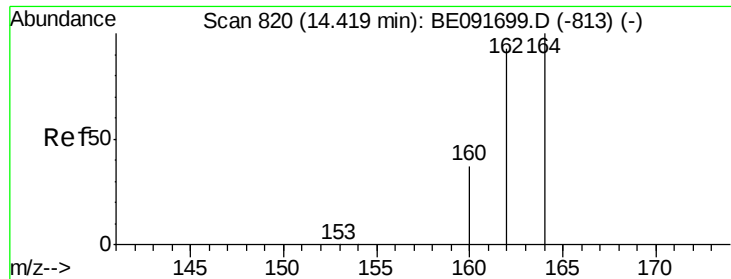
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 8.80 8.90 9.00 9.10



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

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ClientSampleId :

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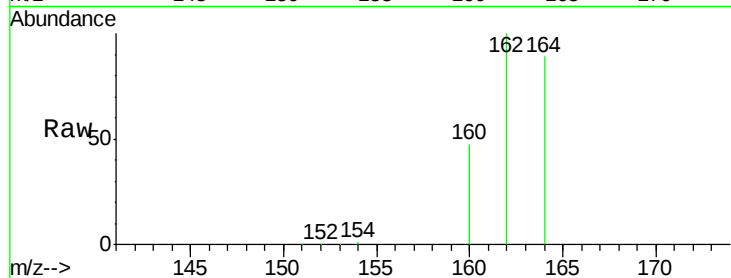
Tgt Ion:164 Resp: 86557

Ion Ratio Lower Upper

164 100

162 112.2 85.3 127.9

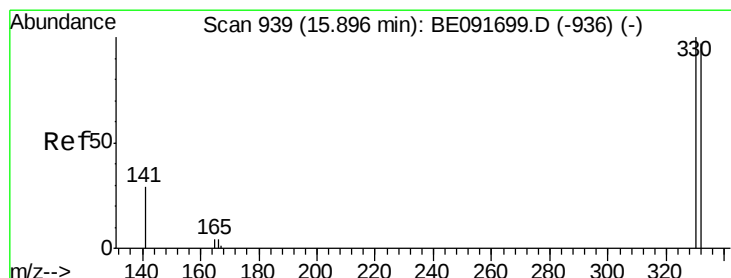
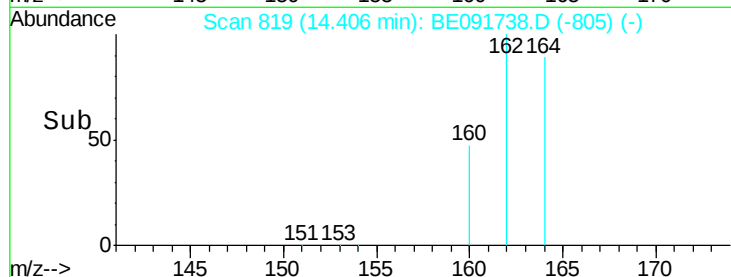
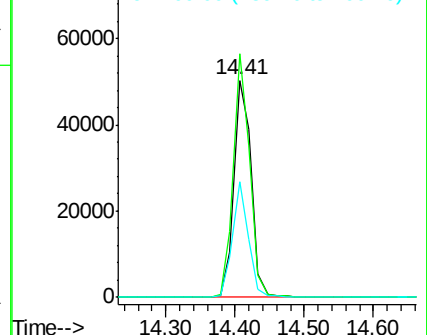
160 53.0 46.2 69.2



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



#14

2,4,6-Tribromophenol

Concen: 7.86 ng

RT: 15.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

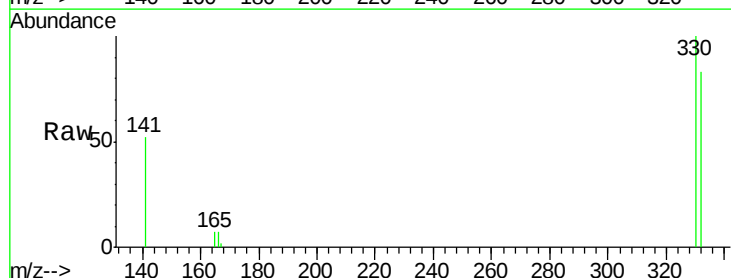
Tgt Ion:330 Resp: 25315

Ion Ratio Lower Upper

330 100

332 96.3 79.1 118.7

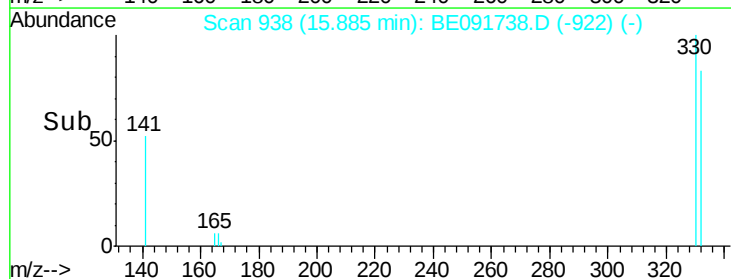
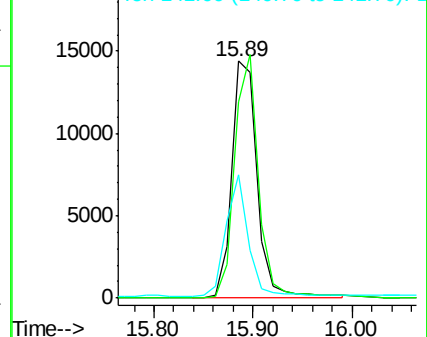
141 45.4 125.4 188.0#

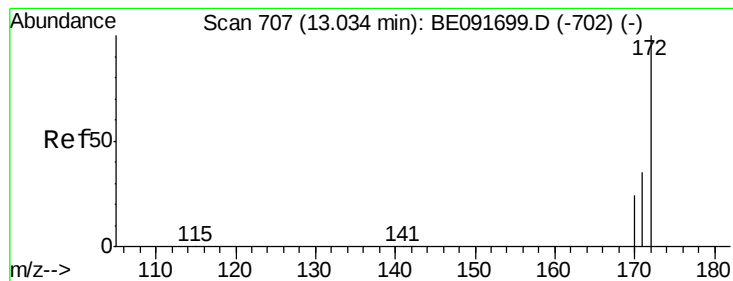


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

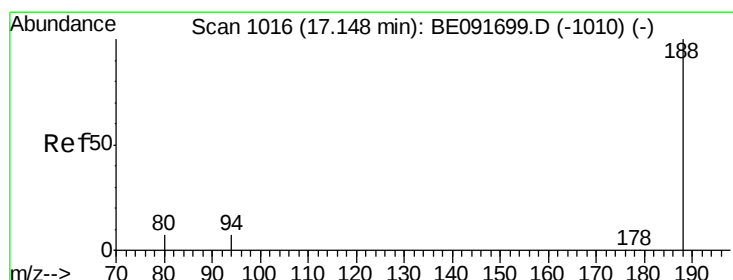
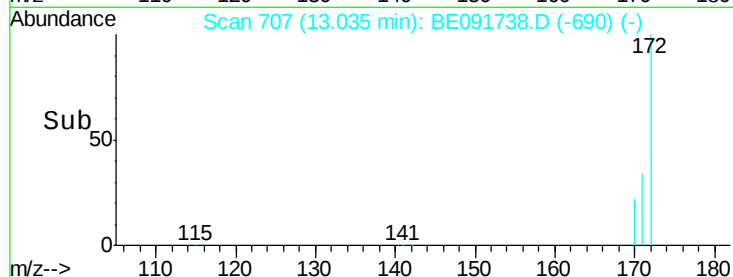
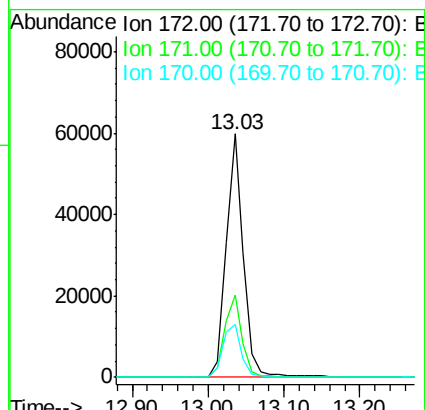
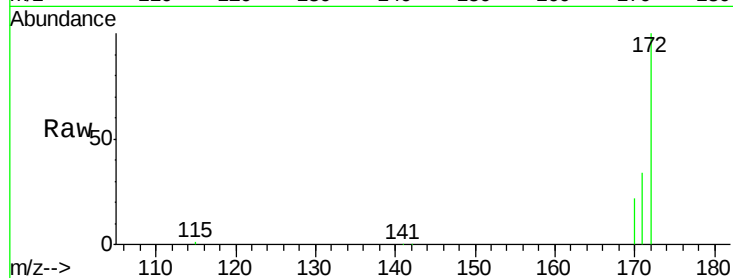




#15
2-Fluorobiphenyl
Concen: 3.91 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

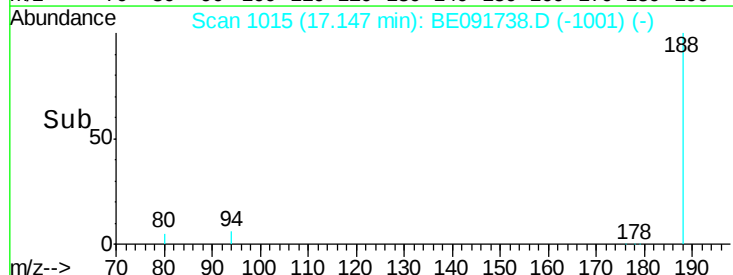
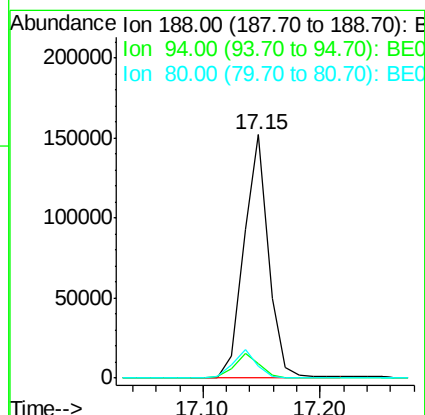
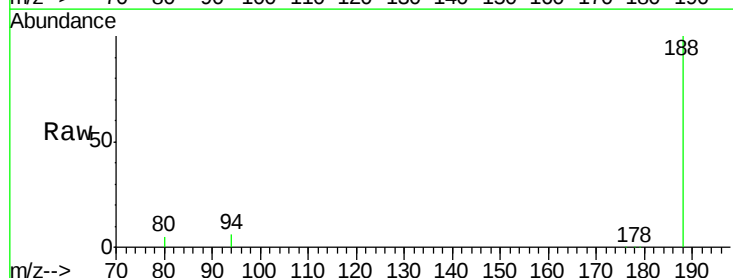
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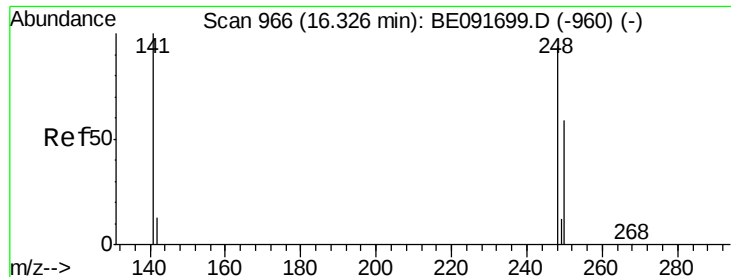
Tgt Ion:172 Resp: 95711
Ion Ratio Lower Upper
172 100
171 33.9 28.8 43.2
170 21.9 19.3 28.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion:188 Resp: 221987
Ion Ratio Lower Upper
188 100
94 5.8 8.7 13.1#
80 5.0 9.4 14.0#

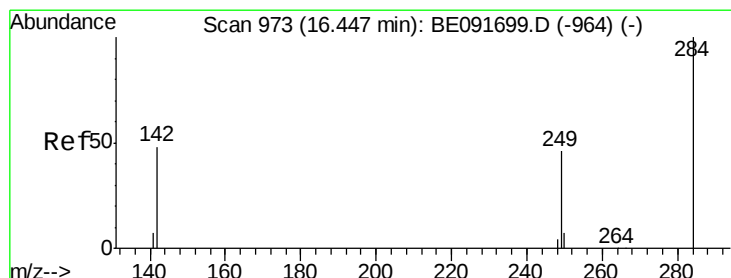
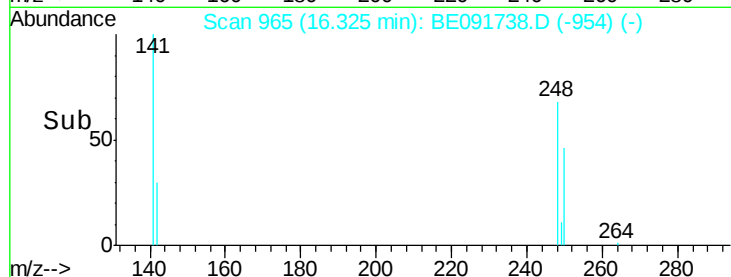
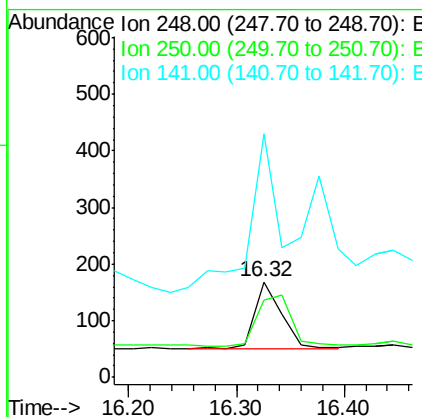
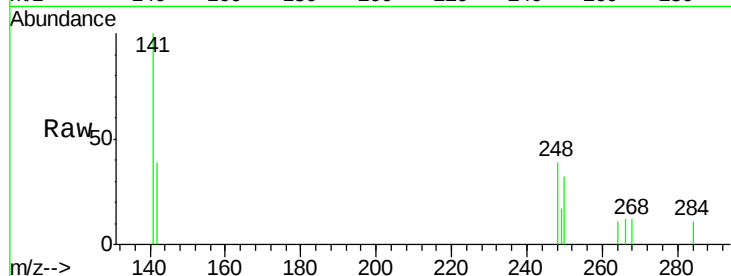




#20
4-Bromophenyl-phenylether
Concen: 0.03 ng
RT: 16.32 min Scan# 965
Delta R.T. -0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

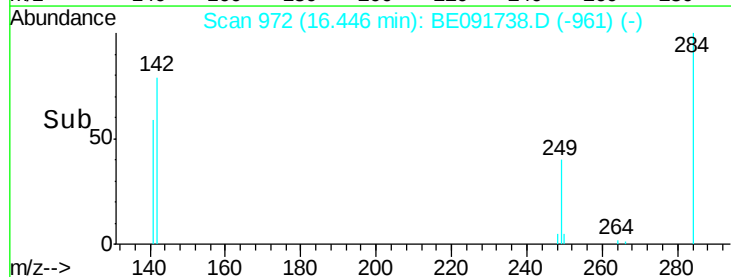
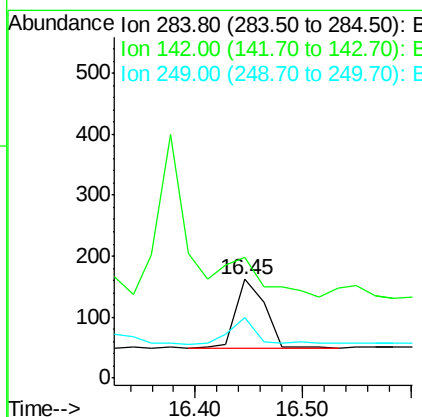
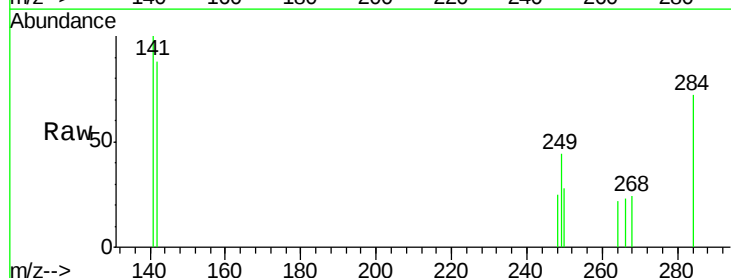
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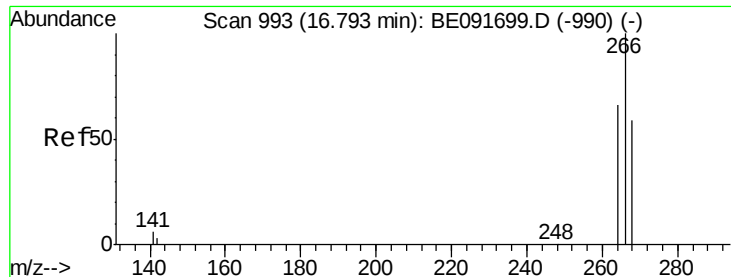
Tgt Ion: 248 Resp: 203
Ion Ratio Lower Upper
248 100
250 95.6 80.5 120.7
141 296.1 72.0 108.0#



#21
Hexachlorobenzene
Concen: 0.03 ng
RT: 16.45 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion: 284 Resp: 211
Ion Ratio Lower Upper
284 100
142 0.0 32.2 48.2#
249 34.1 25.4 38.2

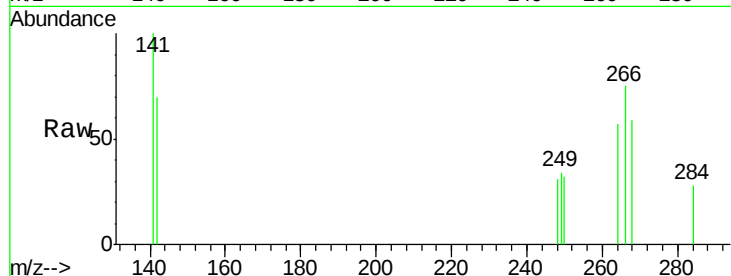




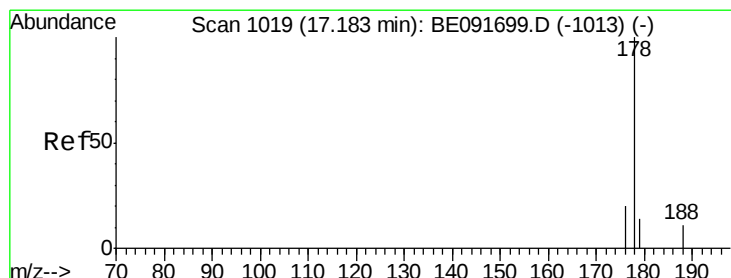
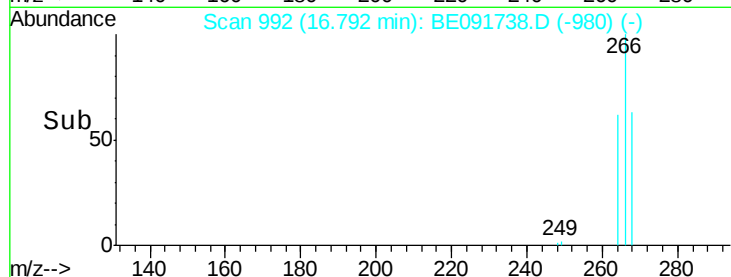
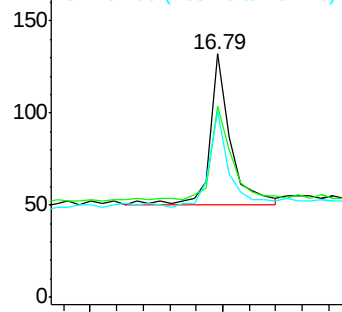
#22
 Pentachlorophenol
 Concen: 0.14 ng
 RT: 16.79 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion: 266 Resp: 179
 Ion Ratio Lower Upper
 266 100
 268 78.8 58.2 87.2
 264 76.5 56.2 84.4

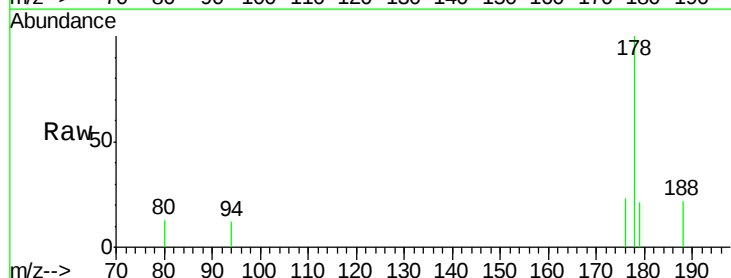


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

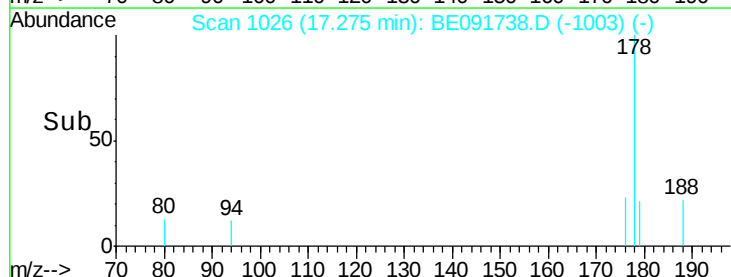
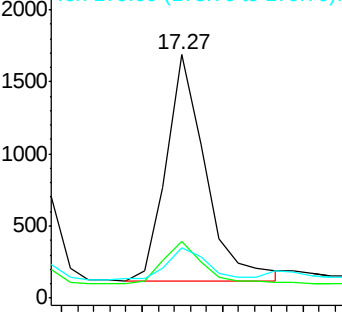


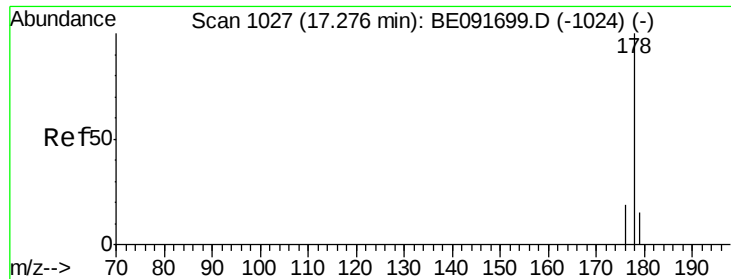
#23
 Phenanthrene
 Concen: 0.05 ng
 RT: 17.27 min Scan# 1026
 Delta R.T. 0.09 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Tgt Ion: 178 Resp: 2635
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 13.1 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: 0.06 ng

RT: 17.27 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160427

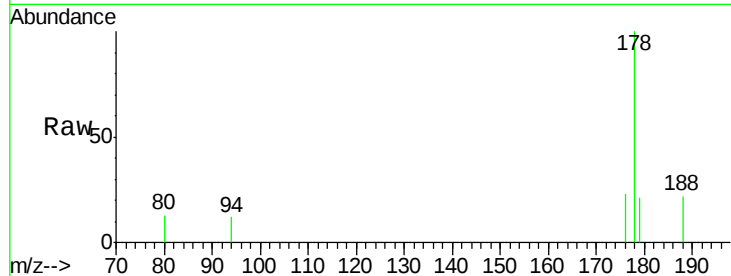
Tgt Ion:178 Resp: 2813

Ion Ratio Lower Upper

178 100

176 18.5 14.6 21.8

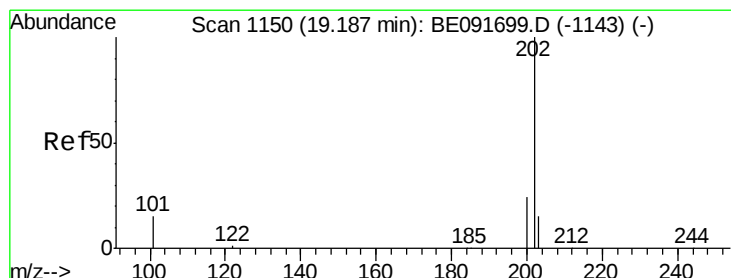
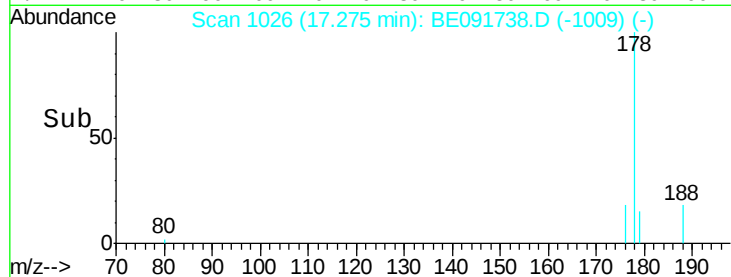
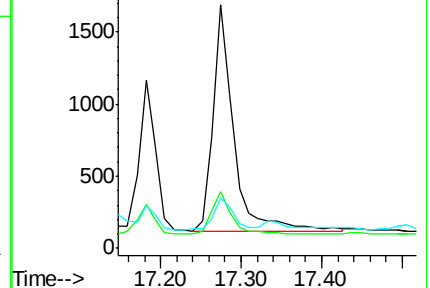
179 13.3 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene

Concen: 0.04 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

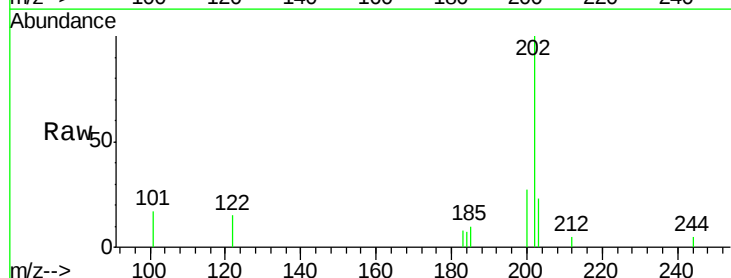
Tgt Ion:202 Resp: 2229

Ion Ratio Lower Upper

202 100

101 27.9 11.0 16.6#

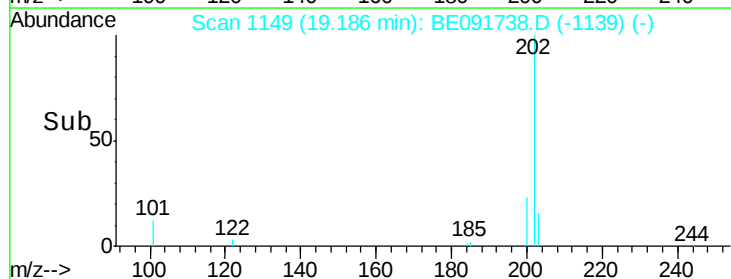
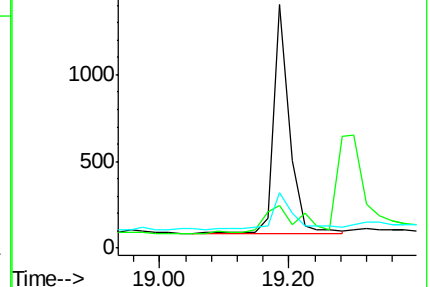
203 21.5 13.9 20.9#

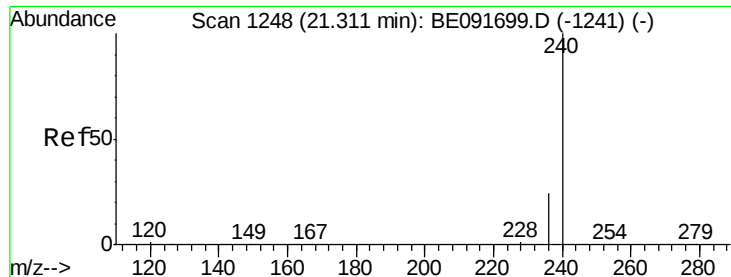


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

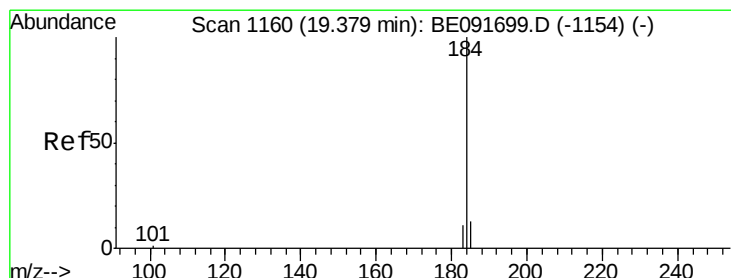
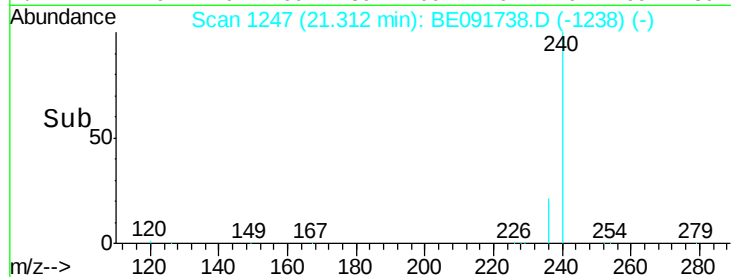
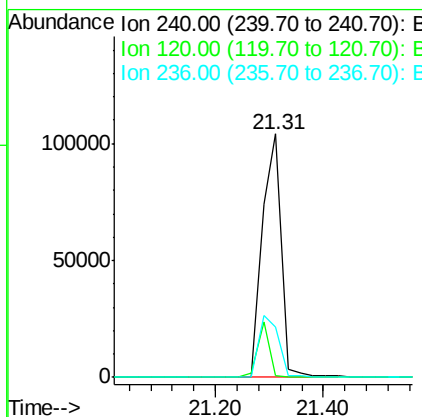
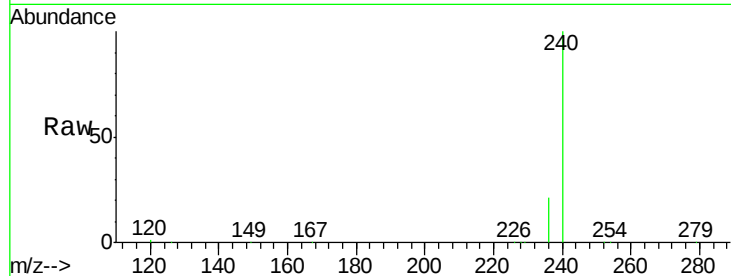




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

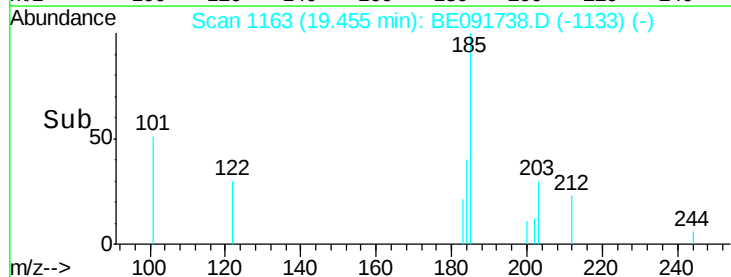
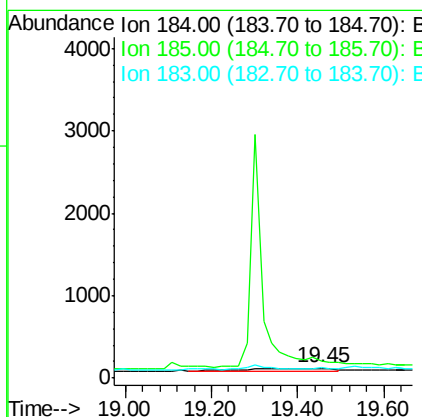
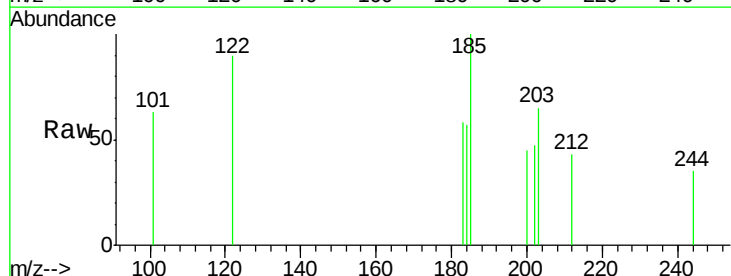
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160427

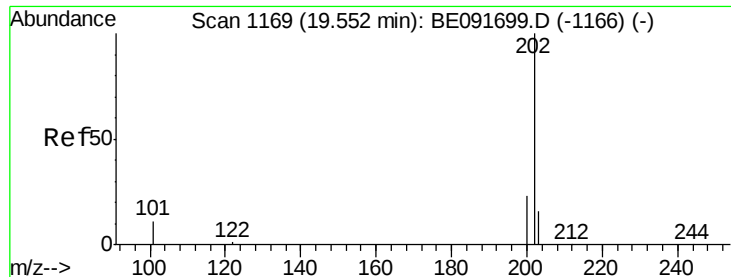
Tgt Ion:240 Resp: 255955
Ion Ratio Lower Upper
240 100
120 0.9 11.0 16.4#
236 20.9 21.7 32.5#



#27
Benzidine
Concen: 0.18 ng
RT: 19.45 min Scan# 1163
Delta R.T. 0.08 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion:184 Resp: 352
Ion Ratio Lower Upper
184 100
185 175.2 22.3 33.5#
183 102.5 16.4 24.6#

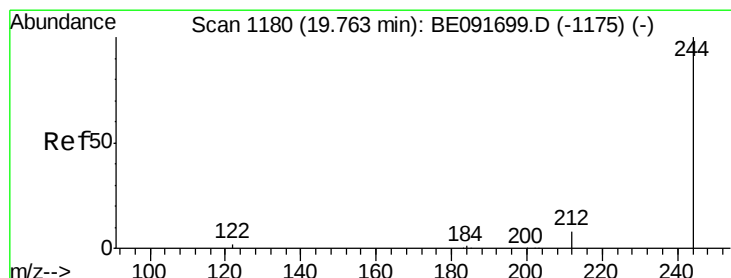
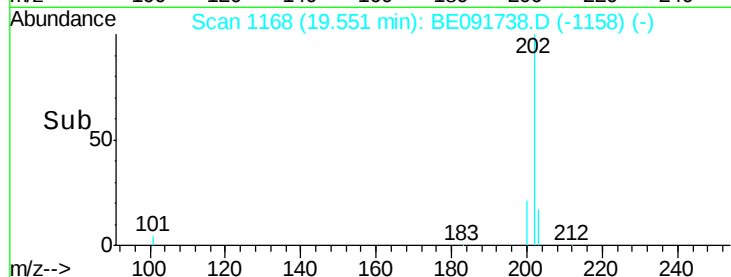
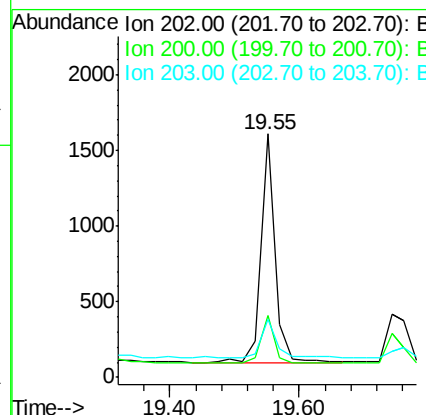
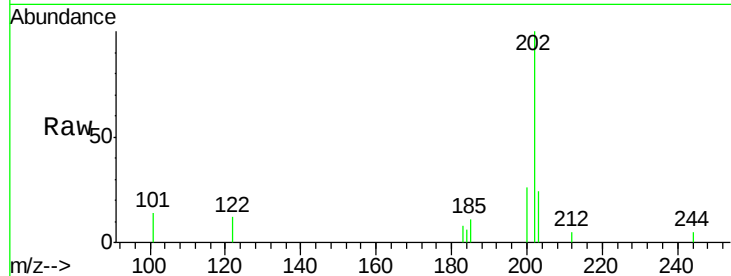




#28
 Pyrene
 Concen: 0.04 ng
 RT: 19.55 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

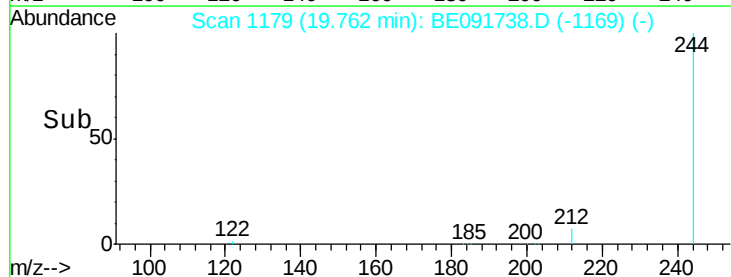
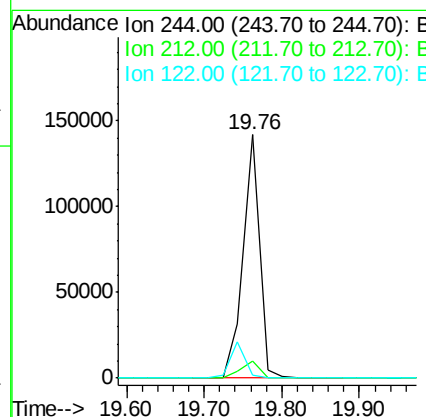
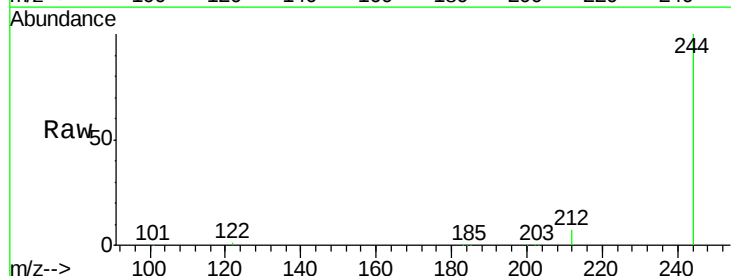
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160427

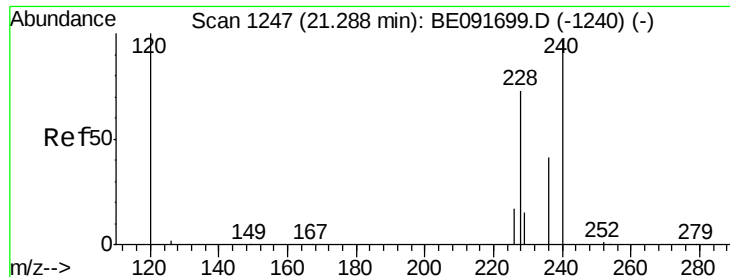
Tgt Ion: 202 Resp: 2335
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.8 25.2
 203 20.9 14.0 21.0



#29
 Terphenyl-d14
 Concen: 5.20 ng
 RT: 19.76 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Tgt Ion: 244 Resp: 207381
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.9 10.3
 122 1.1 11.0 16.4#





#30

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.33 min Scan# 1248

Delta R.T. 0.05 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160427

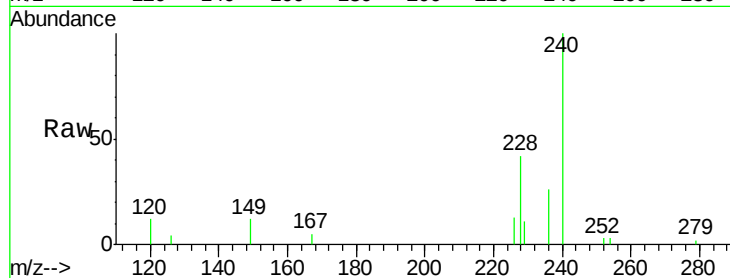
Tgt Ion:228 Resp: 4767

Ion Ratio Lower Upper

228 100

226 31.6 21.0 31.4#

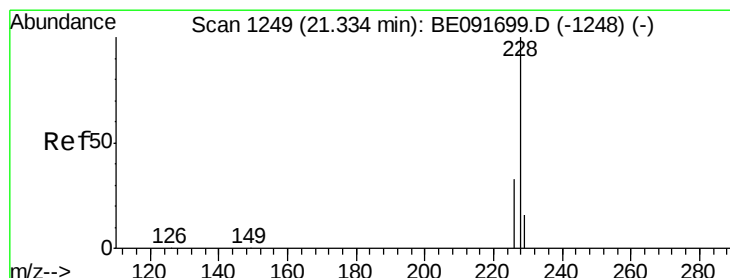
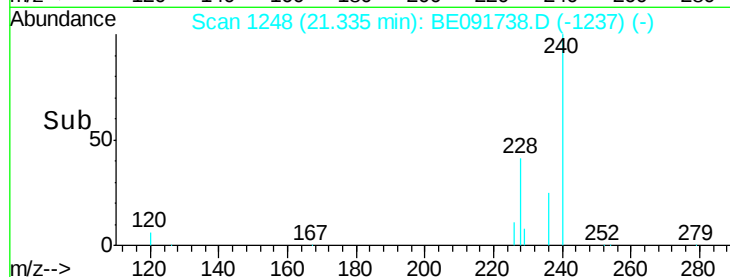
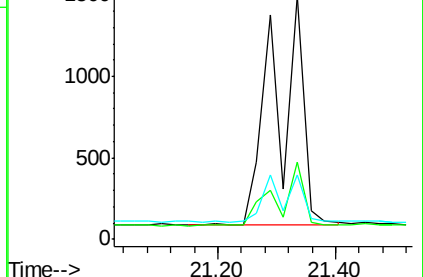
229 26.5 15.7 23.5#



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



#32

Chrysene

Concen: 0.07 ng

RT: 21.33 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

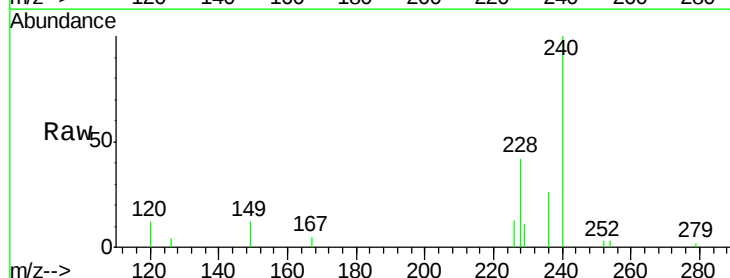
Tgt Ion:228 Resp: 4699

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

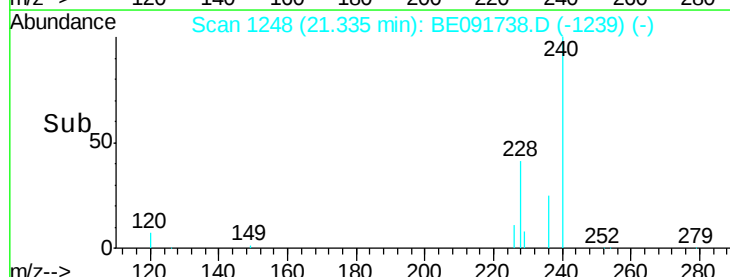
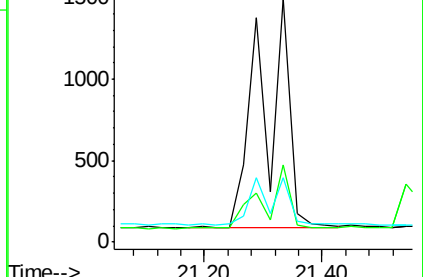
229 26.5 15.9 23.9#

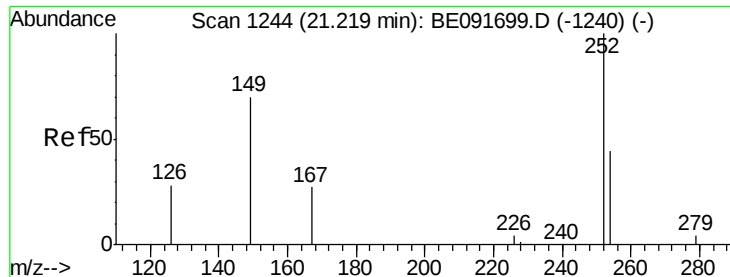


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

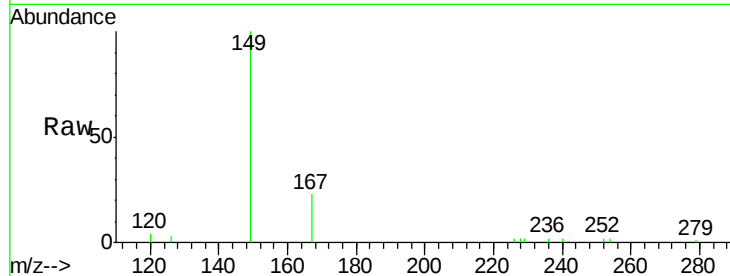




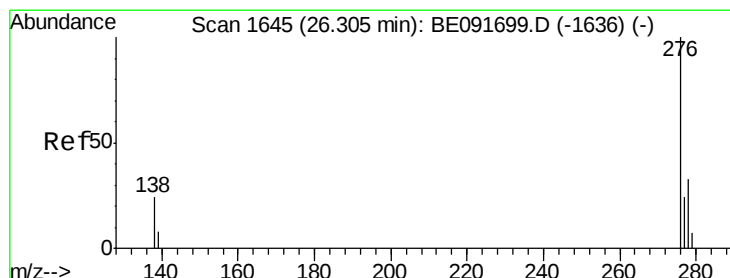
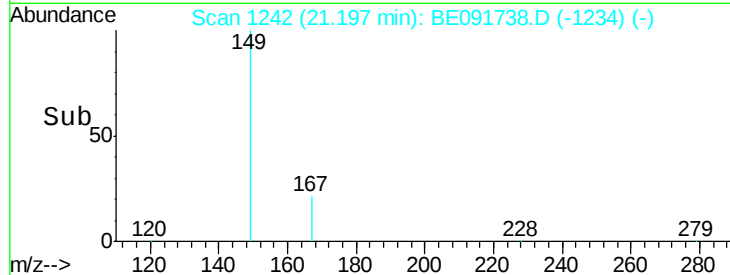
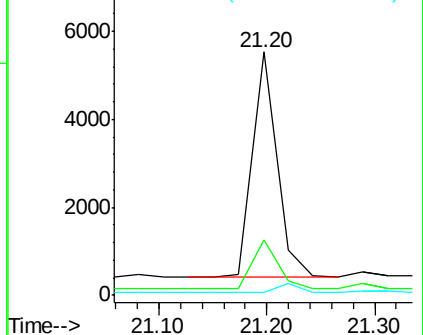
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.43 ng
 RT: 21.20 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS027-160427

Tgt Ion: 149 Resp: 8162
 Ion Ratio Lower Upper
 149 100
 167 22.4 19.5 29.3
 279 0.0 10.0 15.0#

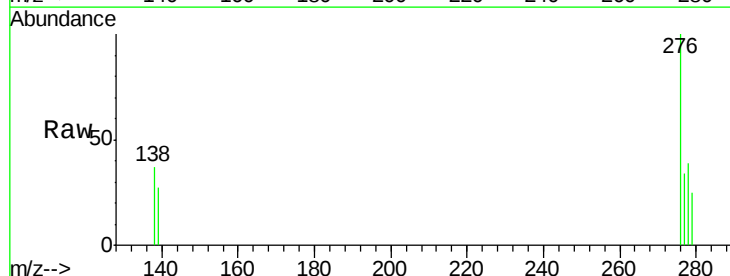


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

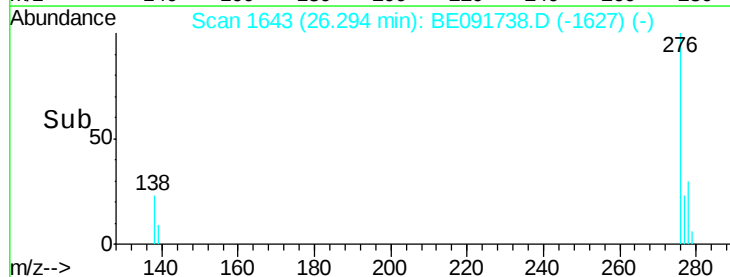
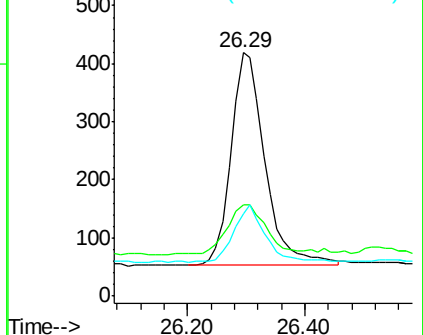


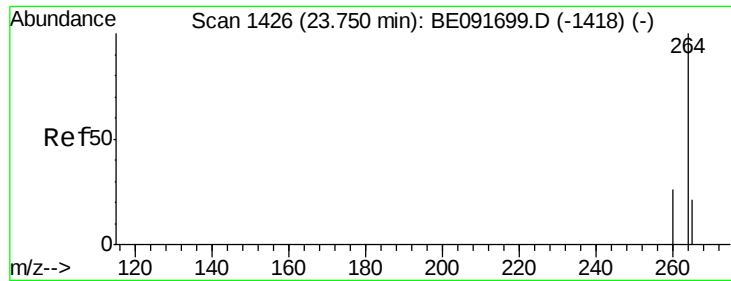
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 26.29 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BE091738.D
 Acq: 29 Apr 2016 17:53

Tgt Ion: 276 Resp: 1462
 Ion Ratio Lower Upper
 276 100
 138 27.4 23.4 35.2
 277 25.7 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

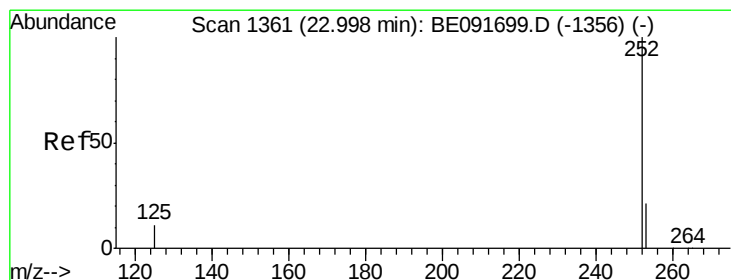
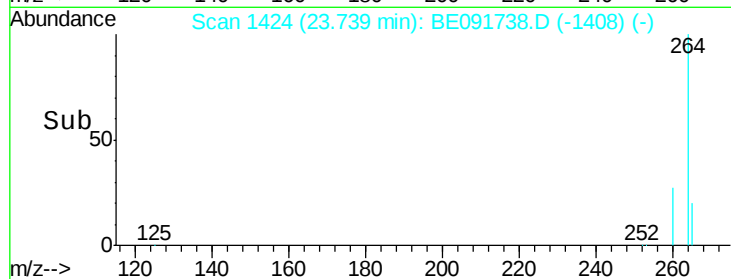
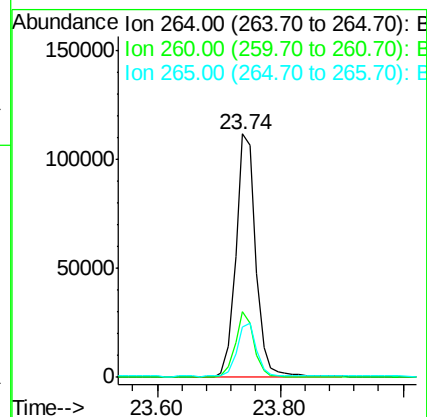
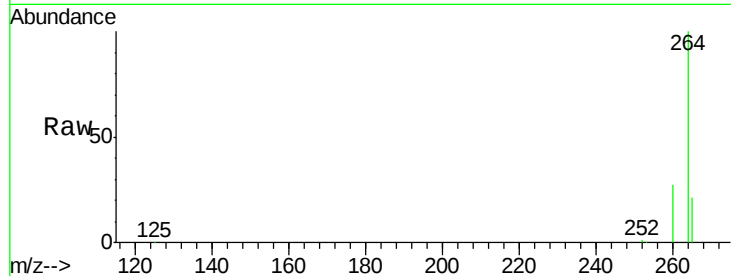




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.74 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

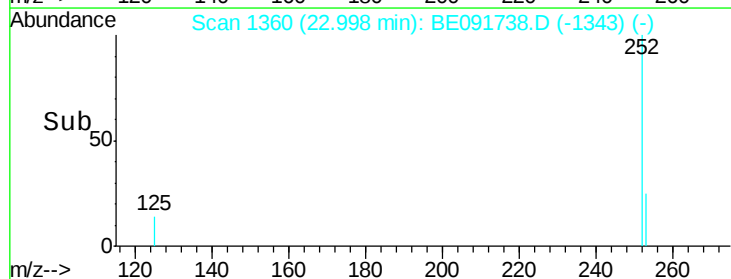
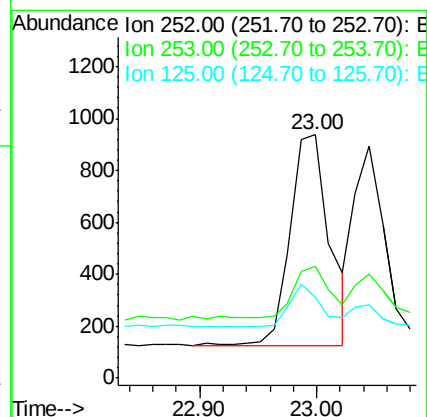
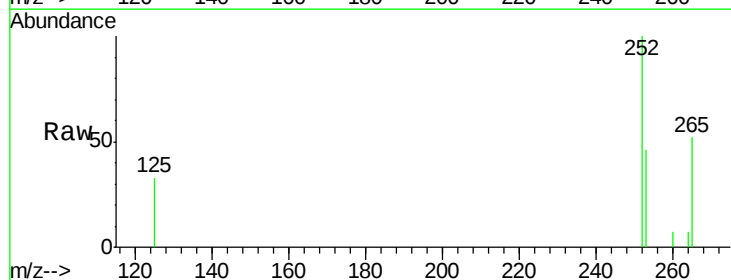
Instrument :
BNA_E
ClientSampleId :
KY038PS027-160427

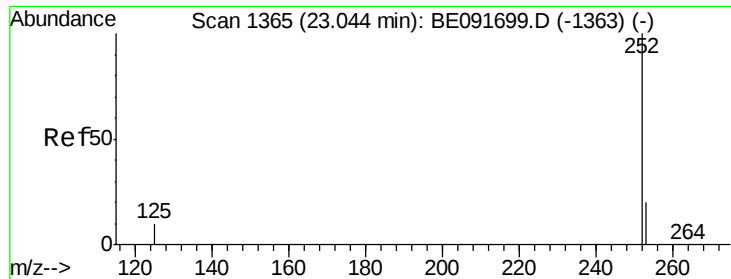
Tgt Ion: 264 Resp: 253467
Ion Ratio Lower Upper
264 100
260 26.8 20.0 30.0
265 20.6 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.00 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BE091738.D
Acq: 29 Apr 2016 17:53

Tgt Ion: 252 Resp: 1894
Ion Ratio Lower Upper
252 100
253 46.2 17.4 26.0#
125 33.5 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.04 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160427

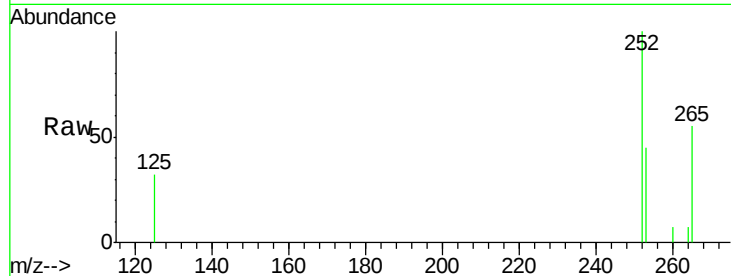
Tgt Ion:252 Resp: 1433

Ion Ratio Lower Upper

252 100

253 44.7 17.6 26.4#

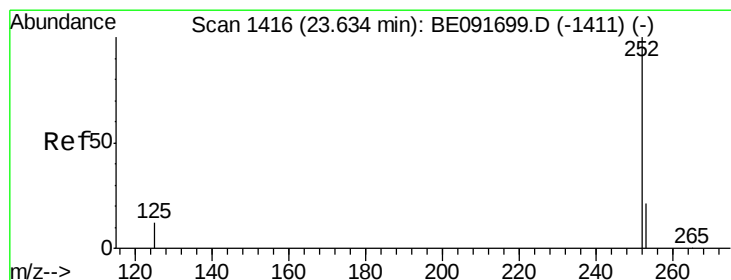
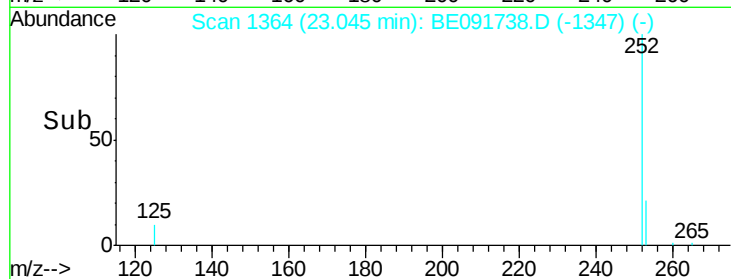
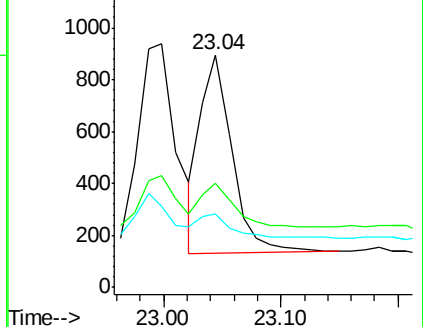
125 31.5 9.9 14.9#



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

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.63 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

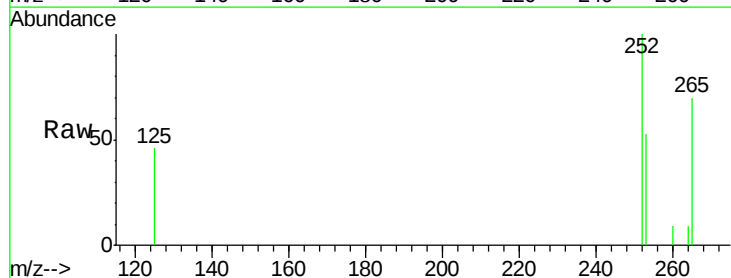
Tgt Ion:252 Resp: 1334

Ion Ratio Lower Upper

252 100

253 53.1 18.1 27.1#

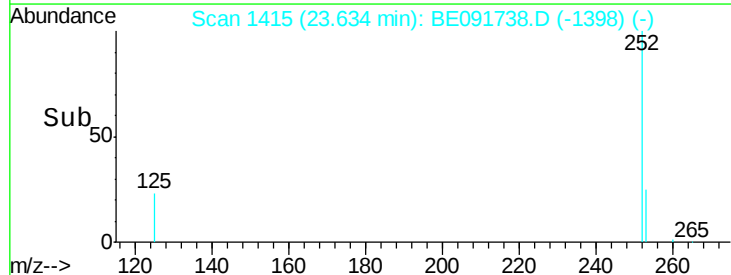
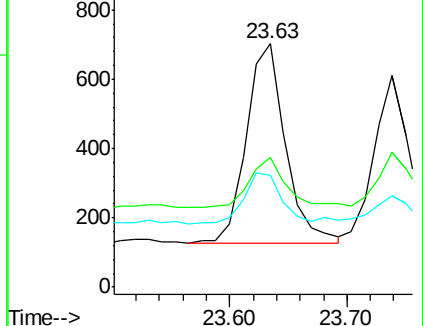
125 45.8 11.0 16.4#

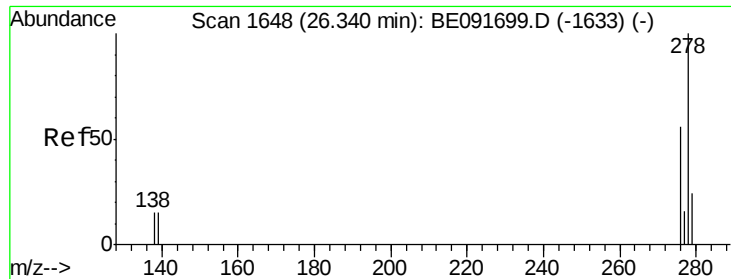


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.32 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

Instrument :

BNA_E

ClientSampleId :

KY038PS027-160427

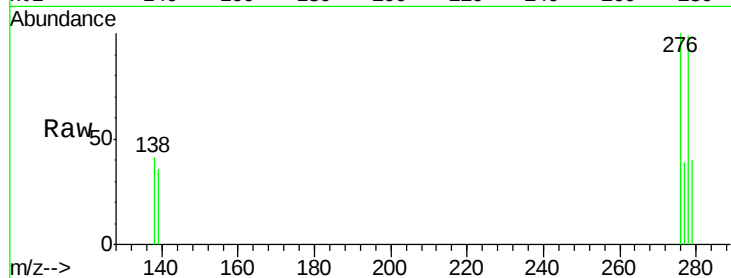
Tgt Ion: 278 Resp: 1063

Ion Ratio Lower Upper

278 100

139 36.1 16.0 24.0#

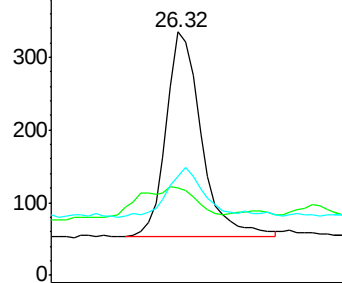
279 40.9 19.4 29.2#



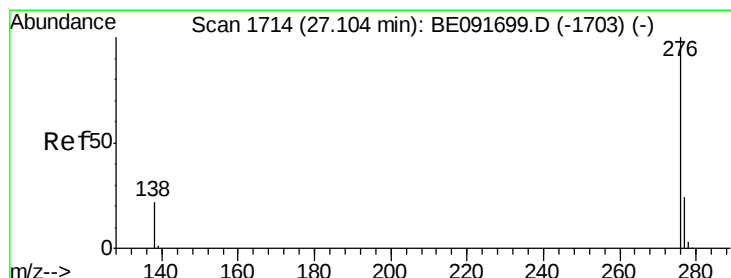
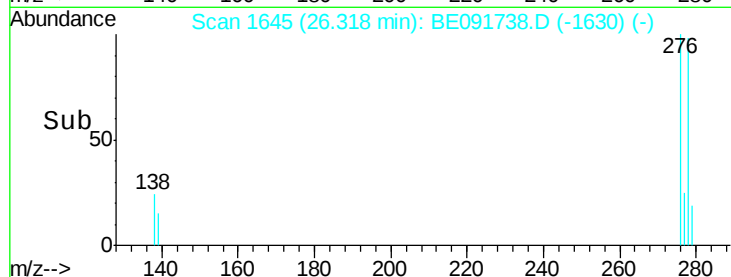
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#40

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 27.09 min Scan# 1712

Delta R.T. -0.01 min

Lab File: BE091738.D

Acq: 29 Apr 2016 17:53

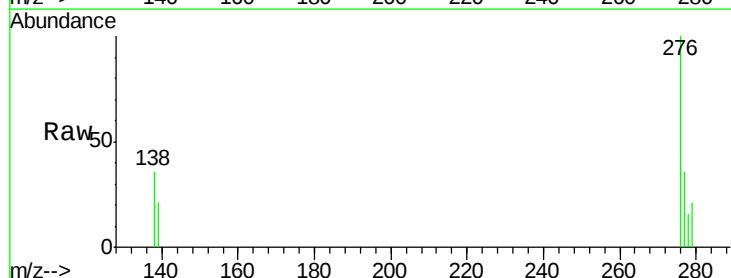
Tgt Ion: 276 Resp: 1308

Ion Ratio Lower Upper

276 100

277 35.8 18.6 28.0#

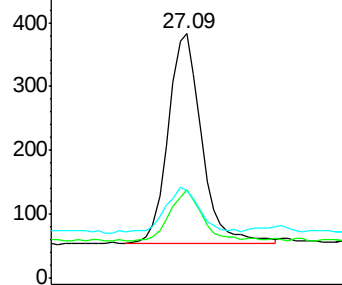
138 35.5 20.4 30.6#



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



Time-->

